



Building knowledge

# Job Order Contract Construction Task Catalog®

Book 1 CSI Divisions 01 - 46 2019

Prince William County  
Joint Procurement for General Construction Services



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## About the CTC:

- ☑ This Construction Task Catalog® (CTC) was developed and customized by The Gordian Group, Inc. specifically for **Prince William County**, priced locally using current labor, material and equipment costs, and published in December 2019.
- ☑ The Gordian Group, Inc. licenses the use of this CTC and other proprietary information and software for the sole purpose of providing Job Order Contracting services to **Prince William County**. Use of this CTC and other proprietary information and software for any other purpose, or for any other entity, is expressly prohibited without the express written consent of The Gordian Group, Inc.

## MasterFormat™

- ☑ The tasks in this Construction Task Catalog are organized using CSI's *MasterFormat*.



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## The Unit Prices Include:

### LABOR COSTS:

- ☑ Labor costs include direct labor through the working foreperson level at straight-time prevailing wage rates including fringe benefits and an allowance for Social Security, Medicare taxes, worker's compensation, unemployment insurance, and employee benefits.
- ☑ Labor costs include unloading equipment, materials, and tools, and transporting the same up or down 2 stories and 125' to reach the project site; layout; measuring and cutting to fit; performing the task; disposal of excess material; and time for lunch and breaks.

### EQUIPMENT COSTS:

- ☑ Equipment costs include all equipment required to accomplish the task.
- ☑ Mobilization is included for all equipment except large equipment (e.g. cranes, bulldozers, excavators, backhoes, bobcats etc.), which exclude mobilization.
- ☑ Equipment costs include all operating expenses such as fuel, electricity, lubricants, etc.

### MATERIAL COSTS:

- ☑ Material costs include the cost of the material, delivery, and all incidentals and accessories integral to the installation.
- ☑ Material costs include manufacturer's and/or fabricator's shop drawings.
- ☑ Material costs for roofing, drywall, VCT, carpet, wall covering, ceiling tile, pipe, conduit, concrete, etc. include an allowance for waste. This list is not intended to be all inclusive, but descriptive of the types of construction materials that are typically sold in standard lengths, sizes and weights.
- ☑ Material costs for imported materials (e.g. aggregate, sand, soil, etc.) include delivery up to 15 miles from the closest approved source.

## The Adjustment Factors Include:

The Adjustment Factors include the following costs, unless specifically excluded by the terms of the Contract Documents:

### BUSINESS COSTS:

- ☑ Office overhead, including, but not limited to, office space, office equipment, office and management personnel, office supplies, and employee transportation.
- ☑ Insurance and bonding.
- ☑ Profit.

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- Job Order development services, Owner meetings, and other administrative services required by the Contract Documents.
- Subcontractor's overhead and profit.
- Cost of financing the work.
- Business risks such as the risk of a lower than expected volume of work, smaller than anticipated Job Orders, poor Subcontractor performance, and inflation or material cost fluctuations.

### PROJECT RELATED COSTS:

- Project trailer, equipment and supplies, and portable toilets for Contractor's use.
- Project management and project supervision.
- Services required to complete project filings and obtain permits.
- Preparation and modification of sketches, drawings, submittals, as-built drawings, and other project records.
- Incidental engineering and architectural services.
- Gang boxes and storage containers for Contractor's tools, equipment and materials.
- Basic safety and warning signage, minor barricades (e.g., construction tape, etc.) and personnel safety equipment (e.g., hard hats, safety harnesses with lifeline or cabling, protective clothing, safety glasses, face shields, etc.).
- Meeting Owner's security requirements.
- All taxes for which a waiver is not available including material sales tax and equipment rental.
- Removing and returning Owner's furniture and furnishings (e.g. chairs, tables, pictures, etc. but excluding modular furniture, furnishings fastened to the wall or floor, safes and other furniture requiring disassembly).
- Sealing windows doors, and other openings with plastic to contain construction dust and debris within the work area, or to protect existing surfaces.
- Working in extreme temperatures (below or above normal) or adverse conditions such as rain, wind,

sleet or snow. Costs resulting from inadequate supply of building materials, fuel, electricity, or skilled labor.

- Daily clean-up.
- Final professional clean-up.

### PRICE VARIATIONS:

- Contractors may experience direct costs that are different than the unit prices set forth in the Construction Task Catalog. While diligent effort was made to provide accurate, unit prices, it is the Contractor's responsibility to review and analyze the unit prices, and to calculate, prior to bidding, the Adjustment Factors accordingly.

### SUMMARY:

- This list is not exhaustive and is intended to provide general examples of costs to be included in the Contractor's Adjustment Factors.
- The only compensation to be paid to the Contractor for unit price tasks will be:
 

Unit Price	X	Quantity	X	Adjustment Factor
------------	---	----------	---	-------------------
- No additional payments of any kind whatsoever will be made.
- All costs in excess of the unit prices, must be included in the Adjustment Factors.

### General Rules:

- Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the task as described in the CTC.
- If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or other equipment as part of the delivery process) to lift material onto a roof, even if that roof is less than



2 stories, the contractor will be paid for such crane or lifting equipment as a separate task.

- ☑ Unit prices include all fasteners such as anchor bolts, lag bolts, screws, adhesive, wedge anchors, expansion bolts, roofing clips (excluding hurricane clips) required. Fasteners listed separately in the CTC are for use with Owner furnished material and equipment or relocating or reinstalling existing material and equipment.
- ☑ Unit prices exclude more substantial mounting material such as threaded rod or angle iron unless the task description states otherwise.
- ☑ Unit prices for doors and windows, duct work, plumbing fixtures, seamless floors, countertops, roof flashing, pitch pockets, skylights, roof curbs, exterior trim, etc. include sealant and caulking.
- ☑ Unit prices include testing, calibrating, balancing, start-up services and the like required to ensure proper installation, construction and performance of the work (e.g. compaction test for backfill, balancing of heating ventilation and air conditioning, pneumatic or hydrostatic testing, soaping of joints, disinfection and flushing of water lines, etc.). Contractor may be paid for testing, calibrating, balancing, start-up services and the like for Owner supplied materials and equipment, or when working on or tying into existing materials and equipment.
- ☑ For the purpose of calculating the quantity of a task, quantities are calculated on a per project basis. The quantity so determined shall be used for the task and all appropriate modifiers, unless the task states otherwise.
- ☑ Whenever there are alternative tasks that may be selected to complete work, the Contractor shall select the most practical and economical tasks available (e.g. rental of equipment by weeks or months rather than days, or painting by roller or spray rather than brush).

### **DEMOLITION:**

- ☑ Unit prices for demolition include all labor, equipment and material required for the complete removal of the items; clean-up of the area; and transporting the demolished items up or down 2 stories into a truck, dumpster, or to an owner

designated area, located within 125' of the project site.

- ☑ Unit prices for demolition exclude costs for hauling (See 01741900), dump fees (See 01741900), dumpsters (See 01741900), and trash chutes (See 01741900).
- ☑ If the item being demolished is attached to another item being removed and can be removed as one item, then that item shall not be priced as a separate demolition task, unless the component alone must be demolished to accomplish the task (e.g. demolition of pipe includes pipe fittings unless the fitting must be demolished separately to accomplish the task; demolition of a wood door includes hinges, hardware, closures, kick plates, etc.).
- ☑ The word "replace" includes removal of the existing item and installation of the new item.
- ☑ The words "remove and relocate" or "remove and reinstall" include removal, cleaning, and installation of the existing item in either the same location or another location.
- ☑ Salvageable materials are the property of the Owner and shall, if directed, be turned over to the Owner.

### **WORKING HEIGHT:**

- ☑ Typical working height for work other than masonry is up to 14' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for work below 14'.
- ☑ Typical working height for masonry work is up to 4' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for masonry work below 4'.

### **FIELD ENGINEERING:**

- ☑ Surveying tasks shall be used only when the Owner requests the Contractor to perform topographic surveys, property line surveys or to establish horizontal and vertical control points. If the Owner provides horizontal and vertical control points within or adjacent to the project site, all other surveying

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required to complete the work shall be considered construction staking or layout, and the cost thereof is included in the appropriate tasks.

equipment, spare parts, services, and work required by a Technical Specification shall be considered included in the unit price, unless the task description states otherwise.

### ASSEMBLIES:

- Assembly tasks take precedence over individual component tasks.

### RESTRICTED AND CONFINED SPACES:

- Restricted Working Space is defined as any area with less than 3' vertical or horizontal clearance and includes areas such as crawl spaces, ceiling plenums where the grid is not removed, narrow piping tunnels, and equipment rooms where the space to install the new work is congested as a result of equipment and piping placement that meet these dimensional restrictions. A Restricted Working Space modifier is available for certain mechanical piping and piping accessories tasks and for certain electrical conduit and conduit accessories tasks. Only those tasks with a modifier for Restricted Working Space are eligible for a price adjustment, and then only if the modifier applies to the contemplated tasks. A non pre-priced task will not be allowed because of Restricted Working Space for any CTC task.
- Confined Working Space is defined according to the OSHA definition 29 CFR 1926.21(b)(6)(i): "Any space having limited means of egress, which is subject to accumulation of toxic or flammable contaminants or has an oxygen deficient atmosphere, including, but not limited to, storage tanks, process vessels, bins, boilers, ventilation and exhaust duct, sewers, underground vaults, tunnels, pipelines and open top spaces more than 4 feet in depth such as pits and tubs." The Contractor shall conform to all OSHA and Owner requirements for working in Confined Working Spaces. Required ventilation and air monitoring equipment tasks shall be priced from the CTC.

### TECHNICAL SPECIFICATIONS:

- Technical Specifications for tasks shall be interpreted as follows: All labor, material,

### Or Equals:

- Whenever material, products, or equipment is identified in the CTC, or in the Technical Specifications, by reference to a manufacturer's name, make or model number, the identification is intended to establish a standard. Any material, product, or equipment of another manufacturer may be considered an or-equal provided that, in the opinion of the Owner, the material, product, or equipment so proposed is of equal quality, substance and function to the named item. The Contractor shall not install any proposed material, product, or equipment without the prior written approval of the Owner. The burden of proof, and all costs related thereto, concerning whether the proposed material, product, or equipment is an or-equal, shall be borne by the Contractor.

### Useful Information:

#### UNIT OF MEASURE DEFINITIONS:

**ACR** – Acre, **BAG** – Bag, **BBL** – Barrel, **BCY** - Bank (In-place) Cubic Yards, **BF** - Board Foot, **BOX** - Box (each), **BTU** - British Thermal Unit, **C** - One Hundred, **CCF** - One Hundred Cubic Feet, **CCY** - Compacted Cubic Yards, **CF** - Cubic Foot, **CFM** - Cubic Feet Per Minute, **CI** – Cubic Inch, **CLF** - One Hundred Linear Feet, **CSF** - One Hundred Square Feet, **CSY** - Hundred Square Yards, **CWT** - Hundred Weight, **CY** - Cubic Yard, **CYM** - Cubic Yard Mile, **DAY** – Day, **DRM** - Drum (each), **EA** – Each, **FLR** - Floor (Per Floor), **FT** – Foot, **GAL** – Gallon, **GSF** - Ground Square Foot, **HR** – Hour, **HWT** - Hundred Carton Weight, **HYR** – Half Year, **IN** – Inch, **JOB** – Job, **LAN** – Lane, **LB** – Pound, **LCY** - Loose (Excavated) Cubic Yards, **LF** - Linear Foot, **LFD**

- Linear Feet Per Day, **LIT** – Liter, **LOT** – Lot, **MBF** - One Thousand Board Feet, **MBH** - One Thousand British Thermal Units, **MCF** – One Thousand Cubic Feet, **MF3** - One Thousand Cubic Feet Per Minute, **MGL** – One Thousand Gallons, **MI** – Mile, **MLF** - One Thousand Linear Feet, **MO** – Month, **MSF** - One Thousand Square Feet, **MSY** - One Thousand Square Yards, **MT** – Metric Ton, **MTK** – Metric Ton Kilometer, **M2** – Square Meter, **M3K** – Cubic Meter Kilometer, **NTE** – Note, **OPN** – Opening, **OUT** - Outlet or Output (each), **OZ** – Ounce, **PKG** – Package, **PNT** – Point, **PR** – Pair, **QT** – Quart, **ROL** - Roll (each), **ROM** – Room, **ROW** – Row, **RSR** - Riser (Per Rise), **SEA** – Seat, **SET** – Set, **SF** - Square Foot, **SHT** – Sheet, **SI** - Square Inch, **STP** - Stop (each), **SQ** - Square or One Hundred Square Feet, **SY** - Square Yard, **SYI** – Inches per Square Yard, **TNM** - Tons per Mile, **TON** – Ton, **TRK** – Truck Load, **UI** - United Inch, **UNT** – Unit, **VLF** - Vertical Linear Foot, **WK** – Week, **YD** – Yard, **YR** – Year

Clay	3220	2150	3570
Gneiss	4550	2720	3180

### BULK FACTORS FOR DEMOLITION:

The following bulk factors shall be used to calculate the volume of demolished material to be transported from the project site.

- **Asphalt** = 1.25
- **Concrete** = 1.40

### CONVERSIONS:

**1 Acre** = 43,560 Square Feet = 4046.8 Square Meters

**1 Board Foot** = 12" x 12" x 1" = 144 Cubic Inches

**1 Centimeter** = 0.3937 Inches = 0.0328 Feet

**1 Cubic Foot** = 0.03704 Cubic Yards = 0.02832 Cubic Meters

**1 Cubic Meter** = 1.3080 Cubic Yards = 35.3147 Cubic Feet

**1 Cubic Yard** = 27 Cubic Feet = 0.7646 Cubic Meters

**1 Foot** = 12 Inches = 0.3048 Meters

**1 Inch** = 2.54 Centimeters = 0.0254 Meters

**1 Kilogram** = 2.2046 Pounds

**1 Kilometer** = 0.6214 Miles = 3280 Feet

**1 Meter** = 100 Centimeters = 3.2808 Feet

**1 Mile** = 5280 Feet = 1.6093 Kilometers

**1 Pound** = 0.4536 Kilograms

**1 Square Foot** = 144 Square Inches = .0929 Square Meters

**1 Square Meter** = 1.1960 Square Yards = 10.7639 Square Feet

**1 Square Yard** = 9 Square Feet = 0.8361 Square Meters

### MATERIAL WEIGHTS:

#### EARTHEN MATERIAL

The following engineering values for establishing shrink/swell factors shall be used unless otherwise directed by the Owner.

Material	Material Weight (Lbs Per CY)		
	In-place (Bank)	Loose (Excavated Materials)	Compacted
Earth, Common (Average)	3170	2536	3520
Sand	2880	2590	3240
Earth, Rock Mix. (75% E/ 25% R)	3380	2370	3720
Earth, Rock Mix. (50% E/50% R)	3750	2710	4000
Earth, Rock Mix. (25% E/ 75% R)	4120	3140	3680
Gravel (Average)	3280	2730	3570
Limestone	4380	2690	3220
Riprap Rock (Average)	4500	2610	3150
Granite	4540	2640	3170
Basalt	4950	3020	3640

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**1 Ton =** 2000 Pounds = 907.185 Kilograms

**1 Yard =** 3 Feet = 0.9144 Meters

**TRADEMARKS**

- ☑ Gordian JOC Solution, JOC Complete Solution, JOC Complete Solution Plus, PROGEN, eGordian, ezIQ, Construction Task Catalog, Catalog of Construction Tasks, DMAP, The Standard for Job Order Contracting and 6 Phase Development and Implementation Process are either registered trademarks or trademarks of The Gordian Group, Inc. The names of actual companies and products mentioned herein may be the trademarks of their respective owners.

Sheet Metal Thickness (inches)				
Gage No.	Steel Sheet	Galvanized Steel Sheet	Stainless Steel Sheet	Aluminum Sheet
10	.135	.138	.141	
11	.120	.123	.125	
12	.105	.108	.109	
13	.090	.093	.094	.072
14	.075	.079	.078	.064
15	.067	.071	.070	.057
16	.060	.064	.063	.051
17	.054	.058	.056	.045
18	.048	.052	.050	.040
19	.042	.046	.044	.036
20	.036	.040	.038	.032
21	.033	.037	.034	.028
22	.030	.034	.031	.025
23	.027	.031	.028	.023
24	.024	.028	.025	.020
25	.021	.025	.022	.018
26	.018	.022	.019	.017

**STANDARD GEOMETRY:**

**Circle**

- Circumference =  $2 \pi \text{ radius} = \pi \text{ diameter}$
- Area =  $\pi \text{ radius}^2 = \pi (\text{diameter}^2 / 4)$

**Cylinder**

- Volume =  $(\pi \text{ radius}^2) \text{height}$
- Surface Area =  $2 \pi \text{ radius}^2 + (2 \pi \text{ radius}) \text{height}$

**Sphere**

- Volume =  $(4 \pi \text{ radius}^3) / 3$
- Surface Area =  $4 \pi \text{ radius}^2$

**$\pi = 3.14159$**

**United Inch**

- The industry standard for measuring windows is the United Inch or UI. The UI is determined by adding the width and the height in inches.



<b>General Requirements</b>		<b>01</b>
<b>Price And Payment Procedures</b>		<b>01 20</b>
Unit Prices		01 22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 01 General Requirements

### 01 20 Price And Payment Procedures <sup>(01)</sup>

#### 01 22 Unit Prices <sup>(01 20)</sup>

##### 01 22 16 Unit Price Payment <sup>(01 22)</sup>

##### 01 22 16 00-0001 Schedule Purchases <sup>(01 22 16)</sup>

01 22 16 00-0002 EA GSA/NJPA Or Other Government Purchasing Agency Schedule Purchases..... 1.00  
 Note: Purchases made by the contractor using the any of the above schedules will be reimbursed to the Contractor at the actual cost of the purchase. The adjustment applied to purchases will be the Contractor's applicable, standard or premium, multiplier. The base cost of the purchase is \$1.00, quantity will adjust cost to actual purchase cost, i.e.; quantity of 125 = \$125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase. A copy of the receipt shall be included with the proposal. Excludes labor and equipment costs for installation.

##### 01 22 16 00-0003 Salvage Value <sup>(01 22 16)</sup>

01 22 16 00-0004 EA Salvage Value.....-1.00  
 Note: Typically, demolished items become the property of the Contractor and any salvage value is to the benefit of the Contractor. However, the Owner reserves the right to share in the value of salvaged materials or equipment. Task 01206-1001 is used to provided credit to the Owner for an agreed upon quantity of salvage value. The quantity for Task 01206-1001 shall be based on the receipt or quote for the salvaged items. If there are multiple salvage value tasks on the same Work Order, each shall be included separately with a comment in the "note" block to identify the agreed upon portion of the salvage value (e.g. masonry, steel, etc.).

##### 01 22 16 00-0005 Reimbursable Fees <sup>(01 22 16)</sup>

01 22 16 00-0006 EA Reimbursable Fees..... 1.00  
 Note: Reimbursable fees include but are not limited to permits, special inspections, special insurance, additional warranties, tolls, expedited shipping costs, etc, which are not included in a task or an Adjustment Factor as explained in the Contract or The Construction Task Catalog®.  
 Note: Reimbursable Fees will be paid to the contractor for eligible costs. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt shall be submitted with the Price Proposal.

#### 01 22 20 Wage Rates <sup>(01 22)</sup>

##### 01 22 20 00-0001 Local Labor/Wage Rates <sup>(01 22 20)</sup>

Note: Welders receive the rate prescribed for the craft performing the operation to which the welding is incidental.

01 22 20 00-0002 HR Foreman/Superintendent..... 48.33  
 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

01 22 20 00-0003 HR Asbestos Removal Worker ..... 43.75  
 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreman, Add 2.19  
 For Apprentice, Deduct -8.75

01 22 20 00-0004 HR Insulator ..... 61.34  
 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreman, Add 3.07  
 For Apprentice, Deduct -12.27

01 22 20 00-0005 HR Boilermaker..... 65.23  
 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreman, Add 3.26  
 For Apprentice, Deduct -13.05

01 22 20 00-0006 HR Brick Layer..... 50.11  
 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreman, Add 2.51  
 For Apprentice, Deduct -10.02

01 22 20 00-0007 HR Carpenter..... 38.66  
 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreman, Add 1.93  
 For Apprentice, Deduct -7.73

01 22 20 00-0008 HR Carpet, Linoleum ..... 38.66  
 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreman, Add 1.93  
 For Apprentice, Deduct -7.73

01 22 20 00-0009 HR Cement Mason ..... 46.57  
 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreman, Add 2.33  
 For Apprentice, Deduct -9.31

01 22 20 00-0010 HR Drywall Finisher ..... 62.99  
 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreman, Add 3.15  
 For Apprentice, Deduct -12.60

01 22 20 00-0011 HR Electrician ..... 73.09  
 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.

For Foreman, Add 3.65  
 For Apprentice, Deduct -14.62

<b>01</b>	<b>General Requirements</b>
<b>01 20</b>	<b>Price And Payment Procedures</b>
<b>01 22</b>	<b>Unit Prices</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0012	HR		Security Access Electrician .....	45.00	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	2.25	
			For Apprentice, Deduct	-9.00	
01 22 20 00-0013	HR		Equipment Operator, Heavy (Crane) .....	51.76	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	2.59	
			For Apprentice, Deduct	-10.35	
01 22 20 00-0014	HR		Equipment Operator, Medium (Bulldozer).....	47.38	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	2.37	
			For Apprentice, Deduct	-9.48	
01 22 20 00-0015	HR		Equipment Operator, Light (Backhoe, Skid-Steer Loader).....	42.17	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	2.11	
			For Apprentice, Deduct	-8.43	
01 22 20 00-0016	HR		Equipment Operator, CCTV Camera Operator .....	42.17	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	2.11	
			For Apprentice, Deduct	-8.43	
01 22 20 00-0017	HR		Equipment Operator, Pipe Bursting Winch Operator .....	47.38	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	2.37	
			For Apprentice, Deduct	-9.48	
01 22 20 00-0018	HR		Glazier .....	49.90	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	2.50	
			For Apprentice, Deduct	-9.98	
01 22 20 00-0019	HR		Laborer .....	38.65	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	1.93	
			For Apprentice, Deduct	-7.73	
01 22 20 00-0020	HR		Lather.....	38.07	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	1.90	
			For Apprentice, Deduct	-7.61	
01 22 20 00-0021	HR		Marble Setter .....	65.65	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	3.28	
			For Apprentice, Deduct	-13.13	
01 22 20 00-0022	HR		Millwright.....	38.13	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	1.91	
			For Apprentice, Deduct	-7.63	
01 22 20 00-0023	HR		Painter, Ordinary.....	40.94	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	2.05	
			For Apprentice, Deduct	-8.19	
01 22 20 00-0024	HR		Painter, Structural Steel .....	44.79	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	2.24	
			For Apprentice, Deduct	-8.96	
01 22 20 00-0025	HR		Paperhanger .....	40.94	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	2.05	
			For Apprentice, Deduct	-8.19	
01 22 20 00-0026	HR		Pile Drivers .....	39.02	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	1.95	
			For Apprentice, Deduct	-7.80	
01 22 20 00-0027	HR		Plasterer .....	46.39	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	2.32	
			For Apprentice, Deduct	-9.28	
01 22 20 00-0028	HR		Plumber .....	70.16	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	3.51	
			For Apprentice, Deduct	-14.03	
01 22 20 00-0029	HR		Powderman.....	40.89	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	2.04	
			For Apprentice, Deduct	-8.18	
01 22 20 00-0030	HR		Rigger .....	27.50	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	1.38	
			For Apprentice, Deduct	-5.50	
01 22 20 00-0031	HR		Rodman (Reinforcing)/Ornamental Steel Worker.....	62.43	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	3.12	
			For Apprentice, Deduct	-12.49	
01 22 20 00-0032	HR		Roofer, Composite .....	52.33	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Foreman, Add	2.62	
			For Apprentice, Deduct	-10.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0033 HR Roofer, Tile/Slate.....	52.33	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	2.62	
For Apprentice, Deduct	-10.47	
01 22 20 00-0034 HR Sheet Metal Worker.....	69.40	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.47	
For Apprentice, Deduct	-13.88	
01 22 20 00-0035 HR Sprinkler Installer.....	63.42	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.17	
For Apprentice, Deduct	-12.68	
01 22 20 00-0036 HR Fusion Tech, High Density Polyethylene (HDPE) Welder.....	72.03	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.60	
For Apprentice, Deduct	-14.41	
01 22 20 00-0037 HR Steam / Pipe Fitter.....	72.03	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.60	
For Apprentice, Deduct	-14.41	
01 22 20 00-0038 HR Stone Mason.....	64.63	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.23	
For Apprentice, Deduct	-12.93	
01 22 20 00-0039 HR Structural Steel Worker.....	64.10	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.21	
For Apprentice, Deduct	-12.82	
01 22 20 00-0040 HR Tile Layer.....	45.79	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	2.29	
For Apprentice, Deduct	-9.16	
01 22 20 00-0041 HR Terrazzo Worker.....	46.20	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	2.31	
For Apprentice, Deduct	-9.24	
01 22 20 00-0042 HR Truck Driver, Light.....	42.97	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	2.15	
For Apprentice, Deduct	-8.59	
01 22 20 00-0043 HR Truck Driver, Heavy.....	43.68	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	2.18	
For Apprentice, Deduct	-8.74	
01 22 20 00-0044 HR Welder.....	64.10	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.21	
For Apprentice, Deduct	-12.82	
01 22 20 00-0045 HR Class I Diver.....	55.77	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0046 HR Class III Diver Tender.....	40.89	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0047 HR Skilled Laborer.....	38.66	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0048 HR Sewer Pipe Cleaner.....	38.65	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
<b>01 22 20 00-0049 Rates For Services (01 22 20)</b>		
01 22 20 00-0050 HR Watchman/Guard, Unarmed.....	29.80	
01 22 20 00-0051 HR Watchman/Guard, Armed.....	36.97	
01 22 20 00-0052 HR CAD Draftsman / Technician.....	75.00	
Note: Preparation of contract documents, structural and/or design drawings, special investigating requirements or services outside required architectural and engineering services.		
01 22 20 00-0053 HR Certified Industrial Hygienist.....	113.28	
01 22 20 00-0054 HR Senior Surveyor (Party Chief).....	54.65	
01 22 20 00-0055 HR Surveyor (Instrument person).....	47.80	
01 22 20 00-0056 HR Surveyor (Rod person).....	44.22	
01 22 20 00-0057 HR On-Site Certified Materials Testing Technician.....	83.80	
01 22 20 00-0058 HR Geotechnical Crew Of One.....	92.54	
01 22 20 00-0059 HR Geotechnical Crew Of Two.....	123.39	
01 22 20 00-0060 MI Mileage For Professional Services (Engineering, Surveying, Etcetera).....	0.58	
Note: For use only when the Owner directs the contractor to use personnel whose base of operations is more than 100 miles from the site. Quantity shall be miles that exceed 100.		
01 22 20 00-0061 DAY Gas Detection Service To Monitor The Project Site For The Presence Of Gas.....	375.00	
Note: Includes equipment, project manager, notices and reports.		
<b>01 22 20 00-0062 Rates For Architectural And Engineering Services (01 22 20)</b>		
01 22 20 00-0063 HR Principal Architect.....	205.00	
01 22 20 00-0064 HR Senior Architect.....	180.00	
01 22 20 00-0065 HR Architect.....	136.88	
01 22 20 00-0066 HR Principal Engineer.....	205.00	
01 22 20 00-0067 HR Senior Engineer.....	154.38	



<b>01</b>	<b>General Requirements</b>
<b>01 20</b>	<b>Price And Payment Procedures</b>
<b>01 22</b>	<b>Unit Prices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0068 HR Engineer .....	123.75	
01 22 20 00-0069 HR Draftsman .....	73.12	
01 22 20 00-0070 HR Project Manager.....	116.25	
<b>01 22 20 00-0071 Rates For Traffic Control</b> <small>(01 22 20)</small>		
01 22 20 00-0072 DAY Pilot Vehicle With Driver .....	519.81	
Note: Includes CB and radio, "Follow Me" sign, "Wait For Pilot Car" signs on barricades where required.		
01 22 20 00-0073 HR Flagperson For Traffic Control .....	38.65	
01 22 20 00-0074 HR Local Jurisdiction Police Officer .....	45.00	
<b>01 22 20 00-0075 Preventive Maintenance/Service Call Crews</b> <small>(01 22 20)</small>		
Note: Includes one person crew, specific tools to the trade and truck. Minimum of 1-1/2 hours per service call. Labor rates include base rate, fringe, an allowance for payroll taxes and insurance. Labor rates will be paid on the basis of productive time at the job site. Time spent for transportation of workers, material acquisition, handling, delivery or movement of contractor owned or rental equipment may not be chargeable, but are considered as part of the contractor's factor. All material will be purchased and billed for under the reimbursable section of the CTC. The Contractor shall have at all times during the contract term a service team that includes at a minimum HVAC mechanic licensed journeyman and helper. There shall be one licensed Master Mechanic available to provide direction to journeyman as needed. All contractor personnel shall be licensed and certified as required by the Commonwealth of Virginia. Service personnel shall be qualified through manufacturer's factory training or other appropriate HVAC training to perform this type of work. The Contractor shall submit evidence of licensing, trade certification and training of all personnel. The County reserves the rights to reject any of the Contractor's service personnel, who, in the County's judgment, are not adequately qualified to perform the work or are otherwise unsatisfactory. HVAC – Mechanic-Licensed Journeyman : Minimum 5 years as a journeyman Helper – Apprentice or assistant: Level IV heating, ventilating and air conditioning mechanic.		
01 22 20 00-0076 HR Preventive Maintenance HVAC/Refrigeration Worker With Truck And Tools .....	110.44	
01 22 20 00-0077 HR Preventive Maintenance HVAC/Refrigeration Helper/Assistant .....	68.18	
01 22 20 00-0078 HR Service Call HVAC/Refrigeration Worker With Truck And Tools.....	159.73	
01 22 20 00-0079 HR Service Call HVAC/Refrigeration Helper/Assistant .....	112.11	
<b>01 22 23 Equipment Usage</b> <small>(01 22)</small>		
Note: Includes fuel costs unless otherwise stated. These tasks shall be used for owned, leased or rented equipment. See CSI section 01 22 20 00-0071 for traffic control (where required), 01 71 13 00-0000 for equipment delivery, pickup, mobilization and demobilization.		
<b>01 22 23 00-0001 Aerial Equipment</b> <small>(01 22 23)</small>		
<b>01 22 23 00-0002 Man Lifts</b> <small>(01 22 23 00-0001)</small>		
Note: Excludes operator, delivery, set-up, and removal.		
<b>01 22 23 00-0003 Telescoping Boom Man Lifts With Platform</b> <small>(01 22 23 00-0002)</small>		
<b>01 22 23 00-0004 Engine Powered, Telescoping Boom Man Lifts With Platform</b> <small>(01 22 23 00-0003)</small>		
Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0005 DAY 40' Engine Powered, Telescoping Boom Man Lift With Platform .....	404.61	
<i>For Four-Wheel Drive, Add</i>		
	91.04	
01 22 23 00-0006 WK 40' Engine Powered, Telescoping Boom Man Lift With Platform .....	1,018.06	
<i>For Four-Wheel Drive, Add</i>		
	229.06	
01 22 23 00-0007 MO 40' Engine Powered, Telescoping Boom Man Lift With Platform .....	2,284.10	
<i>For Four-Wheel Drive, Add</i>		
	513.92	
01 22 23 00-0008 DAY 60' Engine Powered, Telescoping Boom Man Lift With Platform .....	593.87	
<i>For Four-Wheel Drive, Add</i>		
	133.62	
01 22 23 00-0009 WK 60' Engine Powered, Telescoping Boom Man Lift With Platform .....	1,416.14	
<i>For Four-Wheel Drive, Add</i>		
	318.63	
01 22 23 00-0010 MO 60' Engine Powered, Telescoping Boom Man Lift With Platform .....	3,099.85	
<i>For Four-Wheel Drive, Add</i>		
	697.47	
01 22 23 00-0011 DAY 80' Engine Powered, Telescoping Boom Man Lift With Platform .....	1,155.10	
<i>For Four-Wheel Drive, Add</i>		
	259.90	
01 22 23 00-0012 WK 80' Engine Powered, Telescoping Boom Man Lift With Platform .....	2,799.65	
<i>For Four-Wheel Drive, Add</i>		
	629.92	
01 22 23 00-0013 MO 80' Engine Powered, Telescoping Boom Man Lift With Platform .....	5,873.40	
<i>For Four-Wheel Drive, Add</i>		
	1,321.52	
01 22 23 00-0014 DAY 110' Engine Powered, Telescoping Boom Man Lift With Platform .....	1,644.55	
<i>For Four-Wheel Drive, Add</i>		
	370.02	
01 22 23 00-0015 WK 110' Engine Powered, Telescoping Boom Man Lift With Platform .....	3,959.98	
<i>For Four-Wheel Drive, Add</i>		
	891.00	
01 22 23 00-0016 MO 110' Engine Powered, Telescoping Boom Man Lift With Platform .....	9,867.31	
<i>For Four-Wheel Drive, Add</i>		
	2,220.14	
01 22 23 00-0017 DAY 120' Engine Powered, Telescoping Boom Man Lift With Platform .....	2,003.48	
<i>For Four-Wheel Drive, Add</i>		
	450.78	
01 22 23 00-0018 WK 120' Engine Powered, Telescoping Boom Man Lift With Platform .....	5,109.86	
<i>For Four-Wheel Drive, Add</i>		
	1,149.72	
01 22 23 00-0019 MO 120' Engine Powered, Telescoping Boom Man Lift With Platform .....	11,616.28	
<i>For Four-Wheel Drive, Add</i>		
	2,613.66	
<b>01 22 23 00-0020 Articulating (Up/Over) Boom Man Lifts With Platform</b> <small>(01 22 23 00-0002)</small>		
<b>01 22 23 00-0021 Engine Powered, Articulating (Up/Over) Boom Man Lifts With Platform</b> <small>(01 22 23 00-0020)</small>		
Note: Diesel or dual fuel (gasoline or liquid propane gas). Four-wheel drive. For use on unpaved or paved surfaces.		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				01 22 23 00-0022 DAY 34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	363.60	
				01 22 23 00-0023 WK 34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	912.32	
				01 22 23 00-0024 MO 34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	2,194.85	
				01 22 23 00-0025 DAY 45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	462.77	
				01 22 23 00-0026 WK 45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	1,011.48	
				01 22 23 00-0027 MO 45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	2,510.86	
				01 22 23 00-0028 DAY 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	594.99	
				01 22 23 00-0029 WK 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	1,375.09	
				01 22 23 00-0030 MO 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	3,074.12	
				01 22 23 00-0031 DAY 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	1,037.93	
				01 22 23 00-0032 WK 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	2,446.07	
				01 22 23 00-0033 MO 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	5,948.58	
				01 22 23 00-0034 DAY 125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	2,016.36	
				01 22 23 00-0035 WK 125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	4,759.92	
				01 22 23 00-0036 MO 125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform.....	11,635.36	
01 22 23 00-0037				<b>Electric, Articulating (Up/Over) Boom Man Lifts With Platform</b> (01 22 23 00-0020) Note: For use on paved surfaces.		
				01 22 23 00-0038 DAY 30' Electric, Articulating (Up/Over) Boom Man Lift With Platform.....	363.60	
				01 22 23 00-0039 WK 30' Electric, Articulating (Up/Over) Boom Man Lift With Platform.....	912.32	
				01 22 23 00-0040 MO 30' Electric, Articulating (Up/Over) Boom Man Lift With Platform.....	2,194.85	
				01 22 23 00-0041 DAY 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform.....	363.60	
				01 22 23 00-0042 WK 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform.....	912.32	
				01 22 23 00-0043 MO 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform.....	2,194.85	
				01 22 23 00-0044 DAY 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform.....	449.55	
				01 22 23 00-0045 WK 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform.....	971.82	
				01 22 23 00-0046 MO 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform.....	2,413.02	
				01 22 23 00-0047 DAY 45' Electric, Articulating (Up/Over) Boom Man Lift With Platform.....	449.55	
				01 22 23 00-0048 WK 45' Electric, Articulating (Up/Over) Boom Man Lift With Platform.....	971.82	
				01 22 23 00-0049 MO 45' Electric, Articulating (Up/Over) Boom Man Lift With Platform.....	2,413.02	
01 22 23 00-0050				<b>Platform Lifts</b> (01 22 23 00-0001) Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0051				<b>Electric, Scissor Platform Lifts</b> (01 22 23 00-0050) Note: For use on paved surfaces.		
				01 22 23 00-0052 DAY 17' Electric, Scissor Platform Lift.....	160.41	
				01 22 23 00-0053 WK 17' Electric, Scissor Platform Lift.....	320.83	
				01 22 23 00-0054 MO 17' Electric, Scissor Platform Lift.....	656.24	
				01 22 23 00-0055 DAY 20' Electric, Scissor Platform Lift.....	175.00	
				01 22 23 00-0056 WK 20' Electric, Scissor Platform Lift.....	349.99	
				01 22 23 00-0057 MO 20' Electric, Scissor Platform Lift.....	699.98	
				01 22 23 00-0058 DAY 25' Electric, Scissor Platform Lift.....	226.04	
				01 22 23 00-0059 WK 25' Electric, Scissor Platform Lift.....	452.07	
				01 22 23 00-0060 MO 25' Electric, Scissor Platform Lift.....	969.77	
				01 22 23 00-0061 DAY 30' Electric, Scissor Platform Lift.....	291.66	
				01 22 23 00-0062 WK 30' Electric, Scissor Platform Lift.....	576.03	
				01 22 23 00-0063 MO 30' Electric, Scissor Platform Lift.....	1,276.01	
				01 22 23 00-0064 DAY 33' Electric, Scissor Platform Lift.....	313.53	
				01 22 23 00-0065 WK 33' Electric, Scissor Platform Lift.....	612.49	
				01 22 23 00-0066 MO 33' Electric, Scissor Platform Lift.....	1,385.38	
				01 22 23 00-0067 DAY 40' Electric, Scissor Platform Lift.....	408.32	
				01 22 23 00-0068 WK 40' Electric, Scissor Platform Lift.....	1,013.52	
				01 22 23 00-0069 MO 40' Electric, Scissor Platform Lift.....	2,821.81	
01 22 23 00-0070				<b>Engine Powered, Scissor Platform Lifts</b> (01 22 23 00-0050) Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.		
				01 22 23 00-0071 DAY 25' Engine Powered, Scissor Platform Lift.....	328.12	
				For Four-Wheel Drive, Add	65.62	
				01 22 23 00-0072 WK 25' Engine Powered, Scissor Platform Lift.....	641.65	
				For Four-Wheel Drive, Add	128.33	
				01 22 23 00-0073 MO 25' Engine Powered, Scissor Platform Lift.....	1,567.67	
				For Four-Wheel Drive, Add	313.53	
				01 22 23 00-0074 DAY 33' Engine Powered, Scissor Platform Lift.....	335.41	
				For Four-Wheel Drive, Add	67.08	
				01 22 23 00-0075 WK 33' Engine Powered, Scissor Platform Lift.....	765.61	
				For Four-Wheel Drive, Add	153.12	
				01 22 23 00-0076 MO 33' Engine Powered, Scissor Platform Lift.....	1,677.04	
				For Four-Wheel Drive, Add	335.41	
				01 22 23 00-0077 DAY 40' Engine Powered, Scissor Platform Lift.....	371.87	
				For Four-Wheel Drive, Add	74.37	
				01 22 23 00-0078 WK 40' Engine Powered, Scissor Platform Lift.....	853.11	
				For Four-Wheel Drive, Add	170.62	
				01 22 23 00-0079 MO 40' Engine Powered, Scissor Platform Lift.....	1,895.79	
				For Four-Wheel Drive, Add	379.16	
				01 22 23 00-0080 DAY 43' Engine Powered, Scissor Platform Lift.....	393.74	
				For Four-Wheel Drive, Add	78.75	
				01 22 23 00-0081 WK 43' Engine Powered, Scissor Platform Lift.....	918.73	
				For Four-Wheel Drive, Add	183.75	

<b>01</b>	<b>General Requirements</b>
<b>01 20</b>	<b>Price And Payment Procedures</b>
<b>01 22</b>	<b>Unit Prices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0082 MO 43' Engine Powered, Scissor Platform Lift .....	2,260.36	
For Four-Wheel Drive, Add	452.07	
01 22 23 00-0083 DAY 50' Engine Powered, Scissor Platform Lift .....	736.44	
For Four-Wheel Drive, Add	147.29	
01 22 23 00-0084 WK 50' Engine Powered, Scissor Platform Lift .....	1,618.71	
For Four-Wheel Drive, Add	323.74	
01 22 23 00-0085 MO 50' Engine Powered, Scissor Platform Lift .....	3,981.16	
For Four-Wheel Drive, Add	796.23	
<b>01 22 23 00-0086 Personnel Lifts</b> <small>(01 22 23 00-0001)</small>		
Note: Includes delivery to job site and pick-up when complete. Excludes operator. For use on paved surfaces.		
01 22 23 00-0087 DAY 24', Push-Type, Electric Single Man Personnel Lift .....	95.00	
01 22 23 00-0088 WK 24', Push-Type, Electric Single Man Personnel Lift .....	269.15	
01 22 23 00-0089 MO 24', Push-Type, Electric Single Man Personnel Lift .....	543.58	
01 22 23 00-0090 DAY 30', Push-Type, Electric Single Man Personnel Lift .....	131.94	
01 22 23 00-0091 WK 30', Push-Type, Electric Single Man Personnel Lift .....	279.71	
01 22 23 00-0092 MO 30', Push-Type, Electric Single Man Personnel Lift .....	949.95	
01 22 23 00-0093 DAY 36', Push-Type, Electric Single Man Personnel Lift .....	221.66	
01 22 23 00-0094 WK 36', Push-Type, Electric Single Man Personnel Lift .....	538.30	
01 22 23 00-0095 MO 36', Push-Type, Electric Single Man Personnel Lift .....	1,572.70	
01 22 23 00-0096 DAY 40', Push-Type, Electric Single Man Personnel Lift .....	237.49	
01 22 23 00-0097 WK 40', Push-Type, Electric Single Man Personnel Lift .....	591.08	
01 22 23 00-0098 MO 40', Push-Type, Electric Single Man Personnel Lift .....	1,778.52	
01 22 23 00-0099 DAY 15', Self-Propelled, Electric Single Man Personnel Lift .....	126.66	
01 22 23 00-0100 WK 15', Self-Propelled, Electric Single Man Personnel Lift .....	253.32	
01 22 23 00-0101 MO 15', Self-Propelled, Electric Single Man Personnel Lift .....	506.64	
01 22 23 00-0102 DAY 20', Self-Propelled, Electric Single Man Personnel Lift .....	126.66	
01 22 23 00-0103 WK 20', Self-Propelled, Electric Single Man Personnel Lift .....	253.32	
01 22 23 00-0104 MO 20', Self-Propelled, Electric Single Man Personnel Lift .....	526.69	
<b>01 22 23 00-0105 Bucket Trucks</b> <small>(01 22 23 00-0001)</small>		
Note: Includes full-time operator, delivery, and removal.		
01 22 23 00-0106 DAY 29' Bucket Truck With Full-Time Operator .....	809.39	
For Equipment Without Operator, Deduct	-349.43	
01 22 23 00-0107 WK 29' Bucket Truck With Full-Time Operator .....	3,127.06	
For Equipment Without Operator, Deduct	-1,747.16	
01 22 23 00-0108 MO 29' Bucket Truck With Full-Time Operator .....	11,043.32	
For Equipment Without Operator, Deduct	-7,530.86	
01 22 23 00-0109 DAY 38' Bucket Truck With Full-Time Operator .....	867.94	
For Equipment Without Operator, Deduct	-349.43	
01 22 23 00-0110 WK 38' Bucket Truck With Full-Time Operator .....	3,315.22	
For Equipment Without Operator, Deduct	-1,747.16	
01 22 23 00-0111 MO 38' Bucket Truck With Full-Time Operator .....	11,545.10	
For Equipment Without Operator, Deduct	-7,530.86	
01 22 23 00-0112 DAY 48' Bucket Truck With Full-Time Operator .....	1,018.47	
For Equipment Without Operator, Deduct	-349.43	
01 22 23 00-0113 WK 48' Bucket Truck With Full-Time Operator .....	3,587.02	
For Equipment Without Operator, Deduct	-1,747.16	
01 22 23 00-0114 MO 48' Bucket Truck With Full-Time Operator .....	12,130.51	
For Equipment Without Operator, Deduct	-7,530.86	
01 22 23 00-0115 DAY 62' Bucket Truck With Full-Time Operator .....	1,352.99	
For Equipment Without Operator, Deduct	-349.43	
01 22 23 00-0116 WK 62' Bucket Truck With Full-Time Operator .....	4,674.21	
For Equipment Without Operator, Deduct	-1,747.16	
01 22 23 00-0117 MO 62' Bucket Truck With Full-Time Operator .....	15,057.56	
For Equipment Without Operator, Deduct	-7,530.86	
01 22 23 00-0118 DAY 85' Bucket Truck With Full-Time Operator .....	1,520.25	
For Equipment Without Operator, Deduct	-349.43	
01 22 23 00-0119 WK 85' Bucket Truck With Full-Time Operator .....	5,259.62	
For Equipment Without Operator, Deduct	-1,747.16	
01 22 23 00-0120 MO 85' Bucket Truck With Full-Time Operator .....	17,148.31	
For Equipment Without Operator, Deduct	-7,530.86	
01 22 23 00-0121 Day 105' Bucket Truck With Full-Time Operator .....	1,603.88	
For Equipment Without Operator, Deduct	-349.43	
01 22 23 00-0122 WK 105' Bucket Truck With Full-Time Operator .....	5,510.51	
For Equipment Without Operator, Deduct	-1,747.16	
01 22 23 00-0123 MO 105' Bucket Truck With Full-Time Operator .....	17,349.03	
For Equipment Without Operator, Deduct	-7,530.87	
<b>01 22 23 00-0124 Air Equipment</b> <small>(01 22 23)</small>		
<b>01 22 23 00-0125 Air Compressors</b> <small>(01 22 23 00-0124)</small>		
Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0126 DAY 100 CFM Diesel Powered Portable Air Compressor .....	112.18	
01 22 23 00-0127 WK 100 CFM Diesel Powered Portable Air Compressor .....	336.53	
01 22 23 00-0128 MO 100 CFM Diesel Powered Portable Air Compressor .....	934.81	
01 22 23 00-0129 DAY 130 CFM Diesel Powered Portable Air Compressor .....	134.61	
01 22 23 00-0130 WK 130 CFM Diesel Powered Portable Air Compressor .....	396.36	
01 22 23 00-0131 MO 130 CFM Diesel Powered Portable Air Compressor .....	1,121.78	
01 22 23 00-0132 DAY 185 CFM Diesel Powered Portable Air Compressor .....	179.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0133 WK 185 CFM Diesel Powered Portable Air Compressor.....	403.84	
01 22 23 00-0134 MO 185 CFM Diesel Powered Portable Air Compressor.....	889.94	
01 22 23 00-0135 DAY 375 CFM Diesel Powered Portable Air Compressor.....	254.27	
01 22 23 00-0136 WK 375 CFM Diesel Powered Portable Air Compressor.....	643.15	
01 22 23 00-0137 MO 375 CFM Diesel Powered Portable Air Compressor.....	1,533.09	
01 22 23 00-0138 DAY 600 CFM Diesel Powered Portable Air Compressor.....	565.37	
01 22 23 00-0139 WK 600 CFM Diesel Powered Portable Air Compressor.....	1,361.09	
01 22 23 00-0140 MO 600 CFM Diesel Powered Portable Air Compressor.....	3,392.25	
01 22 23 00-0141 DAY 750 CFM Diesel Powered Portable Air Compressor.....	680.54	
01 22 23 00-0142 WK 750 CFM Diesel Powered Portable Air Compressor.....	1,675.18	
01 22 23 00-0143 MO 750 CFM Diesel Powered Portable Air Compressor.....	4,113.18	
01 22 23 00-0144 DAY 825 CFM Diesel Powered Portable Air Compressor.....	680.54	
01 22 23 00-0145 WK 825 CFM Diesel Powered Portable Air Compressor.....	1,675.18	
01 22 23 00-0146 MO 825 CFM Diesel Powered Portable Air Compressor.....	4,113.18	
01 22 23 00-0147 DAY 1,300 CFM Diesel Powered Portable Air Compressor.....	792.72	
01 22 23 00-0148 WK 1,300 CFM Diesel Powered Portable Air Compressor.....	1,776.89	
01 22 23 00-0149 MO 1,300 CFM Diesel Powered Portable Air Compressor.....	4,738.38	
01 22 23 00-0150 DAY 1,600 CFM Diesel Powered Portable Air Compressor.....	987.16	
01 22 23 00-0151 WK 1,600 CFM Diesel Powered Portable Air Compressor.....	2,221.11	
01 22 23 00-0152 MO 1,600 CFM Diesel Powered Portable Air Compressor.....	5,922.97	
<b>01 22 23 00-0153 Negative Air Machines</b> (01 22 23 00-0124)		
Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0154 DAY Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And HEPA Filter.....	62.85	
01 22 23 00-0155 WK Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And HEPA Filter.....	258.13	
01 22 23 00-0156 MO Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And HEPA Filter.....	780.00	
01 22 23 00-0157 EA Replacement HEPA Filter, 99.99% Efficient @ 0.3 Micron For Negative Air Machine.....	220.76	
Note: Required if over 800 hours operation.		
01 22 23 00-0158 LF Discharge Flexible Duct For Negative Air Machine.....	0.87	
<b>01 22 23 00-0159 Portable Air Scrubbers</b> (01 22 23 00-0124)		
Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0160 DAY 200 to 1,000 CFM Portable Air Scrubber.....	80.39	
01 22 23 00-0161 WK 200 to 1,000 CFM Portable Air Scrubber.....	334.17	
01 22 23 00-0162 MO 200 to 1,000 CFM Portable Air Scrubber.....	925.01	
01 22 23 00-0163 DAY >1,000 to 2,000 CFM Portable Air Scrubber.....	101.70	
01 22 23 00-0164 WK >1,000 to 2,000 CFM Portable Air Scrubber.....	421.34	
01 22 23 00-0165 MO >1,000 to 2,000 CFM Portable Air Scrubber.....	1,234.96	
<b>01 22 23 00-0166 Compaction And Paving Equipment</b> (01 22 23)		
<b>01 22 23 00-0167 Pavers And Rollers</b> (01 22 23 00-0166)		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
<b>01 22 23 00-0168 Pavers</b> (01 22 23 00-0167)		
01 22 23 00-0169 DAY 10' Wide Paving Machine With Full-Time Operator.....	1,228.82	
<i>For Equipment Without Operator, Deduct</i>		
	-379.04	
01 22 23 00-0170 WK 10' Wide Paving Machine With Full-Time Operator.....	5,294.30	
<i>For Equipment Without Operator, Deduct</i>		
	-1,895.18	
01 22 23 00-0171 MO 10' Wide Paving Machine With Full-Time Operator.....	20,308.78	
<i>For Equipment Without Operator, Deduct</i>		
	-8,168.86	
<b>01 22 23 00-0172 Ride-On Self-Propelled, Rubber Tire Rollers</b> (01 22 23 00-0167)		
01 22 23 00-0173 DAY 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	728.16	
<i>For Equipment Without Operator, Deduct</i>		
	-379.04	
01 22 23 00-0174 WK 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	2,951.13	
<i>For Equipment Without Operator, Deduct</i>		
	-1,895.18	
01 22 23 00-0175 MO 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	11,035.36	
<i>For Equipment Without Operator, Deduct</i>		
	-8,168.86	
01 22 23 00-0176 DAY 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	862.92	
<i>For Equipment Without Operator, Deduct</i>		
	-379.04	
01 22 23 00-0177 WK 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	3,953.18	
<i>For Equipment Without Operator, Deduct</i>		
	-1,895.18	
01 22 23 00-0178 MO 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	12,548.24	
<i>For Equipment Without Operator, Deduct</i>		
	-8,168.86	
01 22 23 00-0179 DAY 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator.....	869.04	
<i>For Equipment Without Operator, Deduct</i>		
	-379.04	
01 22 23 00-0180 WK 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator.....	3,555.06	
<i>For Equipment Without Operator, Deduct</i>		
	-1,895.18	
01 22 23 00-0181 MO 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator.....	12,842.24	
<i>For Equipment Without Operator, Deduct</i>		
	-8,168.86	
<b>01 22 23 00-0182 Ride-On Self-Propelled, Padfoot Rollers</b> (01 22 23 00-0167)		
01 22 23 00-0183 DAY 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator.....	783.29	
<i>For Equipment Without Operator, Deduct</i>		
	-379.04	
01 22 23 00-0184 WK 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator.....	3,016.06	
<i>For Equipment Without Operator, Deduct</i>		
	-1,895.18	

<b>01</b>	<b>General Requirements</b>
<b>01 20</b>	<b>Price And Payment Procedures</b>
<b>01 22</b>	<b>Unit Prices</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0185	MO		5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	11,408.98 -8,168.86	
01 22 23 00-0186	DAY		8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	1,040.54 -379.04	
01 22 23 00-0187	WK		8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	3,536.68 -1,895.18	
01 22 23 00-0188	MO		8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	13,050.48 -8,168.86	
01 22 23 00-0189	DAY		10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	1,101.79 -379.04	
01 22 23 00-0190	WK		10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	3,922.56 -1,895.18	
01 22 23 00-0191	MO		10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	14,128.48 -8,168.86	
<b>01 22 23 00-0192</b>			<b>Towed, Padfoot Rollers</b> <small>(01 22 23 00-0167)</small>		
01 22 23 00-0193	DAY		48" Wide, 40" Diameter, Towed Padfoot Roller ..... 116.38		
01 22 23 00-0194	WK		48" Wide, 40" Diameter, Towed Padfoot Roller ..... 336.88		
01 22 23 00-0195	MO		48" Wide, 40" Diameter, Towed Padfoot Roller ..... 992.25		
01 22 23 00-0196	DAY		60" Wide, 60" Diameter, Towed Padfoot Roller ..... 147.00		
01 22 23 00-0197	WK		60" Wide, 60" Diameter, Towed Padfoot Roller ..... 410.38		
01 22 23 00-0198	MO		60" Wide, 60" Diameter, Towed Padfoot Roller ..... 1,745.62		
<b>01 22 23 00-0199</b>			<b>Static Rollers</b> <small>(01 22 23 00-0167)</small>		
01 22 23 00-0200	DAY		5 Ton, 2 Drum Articulated Roller With Full-Time Operator ..... 813.92 <i>For Equipment Without Operator, Deduct</i>	-379.04	
01 22 23 00-0201	WK		5 Ton, 2 Drum Articulated Roller With Full-Time Operator ..... 3,279.43 <i>For Equipment Without Operator, Deduct</i>	-1,895.18	
01 22 23 00-0202	MO		5 Ton, 2 Drum Articulated Roller With Full-Time Operator ..... 12,272.61 <i>For Equipment Without Operator, Deduct</i>	-8,168.86	
01 22 23 00-0203	DAY		8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator ..... 948.66 <i>For Equipment Without Operator, Deduct</i>	-379.04	
01 22 23 00-0204	WK		8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator ..... 3,646.93 <i>For Equipment Without Operator, Deduct</i>	-1,895.18	
01 22 23 00-0205	MO		8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator ..... 13,289.36 <i>For Equipment Without Operator, Deduct</i>	-8,168.86	
<b>01 22 23 00-0206</b>			<b>Ride-On Self-Propelled, Smooth Drum Vibratory Rollers</b> <small>(01 22 23 00-0167)</small>		
01 22 23 00-0207	DAY		1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... 617.92 <i>For Equipment Without Operator, Deduct</i>	-379.04	
01 22 23 00-0208	WK		1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... 2,593.43 <i>For Equipment Without Operator, Deduct</i>	-1,895.18	
01 22 23 00-0209	MO		1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... 10,006.36 <i>For Equipment Without Operator, Deduct</i>	-8,168.86	
01 22 23 00-0210	DAY		3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... 709.79 <i>For Equipment Without Operator, Deduct</i>	-379.04	
01 22 23 00-0211	WK		3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... 2,869.06 <i>For Equipment Without Operator, Deduct</i>	-1,895.18	
01 22 23 00-0212	MO		3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... 10,741.36 <i>For Equipment Without Operator, Deduct</i>	-8,168.86	
01 22 23 00-0213	DAY		5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... 771.04 <i>For Equipment Without Operator, Deduct</i>	-379.04	
01 22 23 00-0214	WK		5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... 3,052.80 <i>For Equipment Without Operator, Deduct</i>	-1,895.18	
01 22 23 00-0215	MO		5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... 11,231.36 <i>For Equipment Without Operator, Deduct</i>	-8,168.86	
01 22 23 00-0216	DAY		8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... 850.66 <i>For Equipment Without Operator, Deduct</i>	-379.04	
01 22 23 00-0217	WK		8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... 3,285.56 <i>For Equipment Without Operator, Deduct</i>	-1,895.18	
01 22 23 00-0218	MO		8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... 11,837.74 <i>For Equipment Without Operator, Deduct</i>	-8,168.86	
01 22 23 00-0219	DAY		11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... 1,009.92 <i>For Equipment Without Operator, Deduct</i>	-379.04	
01 22 23 00-0220	WK		11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... 3,751.06 <i>For Equipment Without Operator, Deduct</i>	-1,895.18	
01 22 23 00-0221	MO		11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... 13,068.86 <i>For Equipment Without Operator, Deduct</i>	-8,168.86	
<b>01 22 23 00-0222</b>			<b>Steel Roadway Plates</b> <small>(01 22 23 00-0166)</small>		
01 22 23 00-0223	EA		Mobilization of Steel Roadway Plates ..... 223.60 Note: Mobilization for each site location.		
01 22 23 00-0224	EA		Place And Remove Steel Roadway Plates ..... 27.01		
01 22 23 00-0225	DAY		1" x 4' x 8' Steel Plate ..... 24.47		
01 22 23 00-0226	WK		1" x 4' x 8' Steel Plate ..... 57.77		
01 22 23 00-0227	MO		1" x 4' x 8' Steel Plate ..... 76.03		
01 22 23 00-0228	DAY		1" x 4' x 10' Steel Plate ..... 32.63		
01 22 23 00-0229	WK		1" x 4' x 10' Steel Plate ..... 73.41		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0230	MO		1" x 4' x 10' Steel Plate .....	89.72	
01 22 23 00-0231	DAY		1" x 5' x 10' Steel Plate .....	33.98	
01 22 23 00-0232	WK		1" x 5' x 10' Steel Plate .....	76.81	
01 22 23 00-0233	MO		1" x 5' x 10' Steel Plate .....	203.91	
01 22 23 00-0234	DAY		1" x 6' x 8' Steel Plate .....	21.75	
01 22 23 00-0235	WK		1" x 6' x 8' Steel Plate .....	48.94	
01 22 23 00-0236	MO		1" x 6' x 8' Steel Plate .....	130.50	
01 22 23 00-0237	DAY		1" x 6' x 10' Steel Plate .....	40.78	
01 22 23 00-0238	WK		1" x 6' x 10' Steel Plate .....	53.70	
01 22 23 00-0239	MO		1" x 6' x 10' Steel Plate .....	143.42	
01 22 23 00-0240	DAY		1" x 6' x 12' Steel Plate .....	57.09	
01 22 23 00-0241	WK		1" x 6' x 12' Steel Plate .....	73.07	
01 22 23 00-0242	MO		1" x 6' x 12' Steel Plate .....	197.79	
01 22 23 00-0243	DAY		1" x 8' x 10' Steel Plate .....	36.02	
01 22 23 00-0244	WK		1" x 8' x 10' Steel Plate .....	80.88	
01 22 23 00-0245	MO		1" x 8' x 10' Steel Plate .....	215.46	
01 22 23 00-0246	DAY		1" x 8' x 12' Steel Plate .....	65.25	
01 22 23 00-0247	WK		1" x 8' x 12' Steel Plate .....	80.88	
01 22 23 00-0248	MO		1" x 8' x 12' Steel Plate .....	391.51	
01 22 23 00-0249	DAY		1" x 8' x 16' Steel Plate .....	87.00	
01 22 23 00-0250	WK		1" x 8' x 16' Steel Plate .....	195.75	
01 22 23 00-0251	MO		1" x 8' x 16' Steel Plate .....	522.01	
01 22 23 00-0252	LF		Cold Mix For Temporary Ramp Base, 6" At Edge Of Trench Plate.....	1.24	
01 22 23 00-0253	EA		Remove And Reset Steel Roadway Plate .....	15.00	
01 22 23 00-0254	DAY		1-1/4" x 8' x 10' Steel Plate.....	43.23	
01 22 23 00-0255	WK		1-1/4" x 8' x 10' Steel Plate .....	97.06	
01 22 23 00-0256	MO		1-1/4" x 8' x 10' Steel Plate .....	258.56	
01 22 23 00-0257	DAY		1-1/2" x 8' x 15' Steel Plate.....	100.05	
01 22 23 00-0258	WK		1-1/2" x 8' x 15' Steel Plate.....	225.12	
01 22 23 00-0259	MO		1-1/2" x 8' x 15' Steel Plate .....	600.31	
<b>01 22 23 00-0260 Street Sweepers (01 22 23 00-0166)</b>					
Note: Includes full-time operator. Excludes delivery, set-up, and removal.					
01 22 23 00-0261	DAY		8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator .....	548.10	
				<i>For Equipment Without Operator, Deduct</i>	-337.38
01 22 23 00-0262	WK		8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator .....	2,521.94	
				<i>For Equipment Without Operator, Deduct</i>	-1,686.92
01 22 23 00-0263	MO		8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator .....	10,246.21	
				<i>For Equipment Without Operator, Deduct</i>	-7,271.22
01 22 23 00-0264	DAY		Self-Propelled Street Sweeper With Hopper And Full-Time Operator .....	1,281.74	
Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.					
				<i>For Equipment Without Operator, Deduct</i>	-337.38
01 22 23 00-0265	WK		Self-Propelled Street Sweeper With Hopper And Full-Time Operator .....	5,469.59	
Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.					
				<i>For Equipment Without Operator, Deduct</i>	-1,686.92
01 22 23 00-0266	MO		Self-Propelled Street Sweeper With Hopper And Full-Time Operator .....	20,770.66	
Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.					
				<i>For Equipment Without Operator, Deduct</i>	-7,271.22
<b>01 22 23 00-0267 Earthmoving Equipment (01 22 23)</b>					
<b>01 22 23 00-0268 Skid-Steer Loaders (01 22 23 00-0267)</b>					
Note: Includes full-time operator and combination bucket and dozer blade attachments. Add extra attachments where necessary. Excludes delivery, set-up, and removal.					
01 22 23 00-0269	DAY		700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator .....	600.11	
				<i>For Equipment Without Operator, Deduct</i>	-337.38
01 22 23 00-0270	WK		700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator .....	2,376.18	
				<i>For Equipment Without Operator, Deduct</i>	-1,686.92
01 22 23 00-0271	MO		700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator .....	8,931.16	
				<i>For Equipment Without Operator, Deduct</i>	-7,271.22
01 22 23 00-0272	DAY		1,500 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator .....	669.37	
				<i>For Equipment Without Operator, Deduct</i>	-337.38
01 22 23 00-0273	WK		1,500 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator .....	2,501.50	
				<i>For Equipment Without Operator, Deduct</i>	-1,686.92
01 22 23 00-0274	MO		1,500 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator .....	9,205.99	
				<i>For Equipment Without Operator, Deduct</i>	-7,271.22
01 22 23 00-0275	DAY		2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator .....	689.16	
				<i>For Equipment Without Operator, Deduct</i>	-337.38
01 22 23 00-0276	WK		2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator .....	2,681.79	
				<i>For Equipment Without Operator, Deduct</i>	-1,686.92
01 22 23 00-0277	MO		2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator .....	9,684.18	
				<i>For Equipment Without Operator, Deduct</i>	-7,271.22
01 22 23 00-0278	DAY		2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator .....	766.11	
				<i>For Equipment Without Operator, Deduct</i>	-337.38
01 22 23 00-0279	WK		2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator .....	2,934.63	
				<i>For Equipment Without Operator, Deduct</i>	-1,686.92
01 22 23 00-0280	MO		2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator .....	10,519.65	
				<i>For Equipment Without Operator, Deduct</i>	-7,271.22
01 22 23 00-0281	DAY		3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator .....	898.02	
				<i>For Equipment Without Operator, Deduct</i>	-337.38



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 22 23 00-0282	WK	3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	3,434.81	
		<i>For Equipment Without Operator, Deduct</i>	-1,686.92	
01 22 23 00-0283	MO	3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	11,750.87	
		<i>For Equipment Without Operator, Deduct</i>	-7,271.22	
01 22 23 00-0284	DAY	Hydraulic Hammer Attachment For Skid-Steer Loaders	219.86	
01 22 23 00-0285	WK	Hydraulic Hammer Attachment For Skid-Steer Loaders	731.03	
01 22 23 00-0286	MO	Hydraulic Hammer Attachment For Skid-Steer Loaders	1,945.76	
01 22 23 00-0287	DAY	Forklift Attachment For Skid-Steer Loaders	47.27	
01 22 23 00-0288	WK	Forklift Attachment For Skid-Steer Loaders	126.42	
01 22 23 00-0289	MO	Forklift Attachment For Skid-Steer Loaders	357.27	
01 22 23 00-0290	DAY	Backhoe Attachment For Skid-Steer Loaders	104.43	
01 22 23 00-0291	WK	Backhoe Attachment For Skid-Steer Loaders	250.64	
01 22 23 00-0292	MO	Backhoe Attachment For Skid-Steer Loaders	623.30	
01 22 23 00-0293	DAY	Broom Attachment For Skid-Steer Loaders	103.33	
01 22 23 00-0294	WK	Broom Attachment For Skid-Steer Loaders	280.32	
01 22 23 00-0295	MO	Broom Attachment For Skid-Steer Loaders	742.03	
01 22 23 00-0296	DAY	Concrete Pump Attachment For Skid-Steer Loaders	219.86	
01 22 23 00-0297	WK	Concrete Pump Attachment For Skid-Steer Loaders	731.03	
01 22 23 00-0298	MO	Concrete Pump Attachment For Skid-Steer Loaders	1,945.76	
01 22 23 00-0299	DAY	Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders	90.14	
01 22 23 00-0300	WK	Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders	248.44	
01 22 23 00-0301	MO	Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders	678.27	
01 22 23 00-0302	DAY	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	24.84	
01 22 23 00-0303	WK	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	65.00	
01 22 23 00-0304	MO	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	191.18	
01 22 23 00-0305	DAY	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	33.45	
01 22 23 00-0306	WK	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	83.16	
01 22 23 00-0307	MO	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	248.54	
01 22 23 00-0308	DAY	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	48.74	
01 22 23 00-0309	WK	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	148.17	
01 22 23 00-0310	MO	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	439.72	
01 22 23 00-0311	DAY	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	9.89	
01 22 23 00-0312	WK	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	23.09	
01 22 23 00-0313	MO	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	61.56	

## 01 22 23 00-0314

**Bulldozers** (01 22 23 00-0267)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0315	DAY	70 HP, D3 Bulldozer With Full-Time Operator	788.92	
		<i>For Equipment Without Operator, Deduct</i>	-379.04	
01 22 23 00-0316	WK	70 HP, D3 Bulldozer With Full-Time Operator	3,511.48	
		<i>For Equipment Without Operator, Deduct</i>	-1,895.18	
01 22 23 00-0317	MO	70 HP, D3 Bulldozer With Full-Time Operator	12,963.63	
		<i>For Equipment Without Operator, Deduct</i>	-8,168.86	
01 22 23 00-0318	DAY	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	982.25	
		<i>For Equipment Without Operator, Deduct</i>	-379.04	
01 22 23 00-0319	WK	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	4,292.56	
		<i>For Equipment Without Operator, Deduct</i>	-1,895.18	
01 22 23 00-0320	MO	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	15,361.02	
		<i>For Equipment Without Operator, Deduct</i>	-8,168.86	
01 22 23 00-0321	DAY	140 HP, D6 Bulldozer With Full-Time Operator	1,531.33	
		<i>For Equipment Without Operator, Deduct</i>	-379.04	
01 22 23 00-0322	WK	140 HP, D6 Bulldozer With Full-Time Operator	6,488.88	
		<i>For Equipment Without Operator, Deduct</i>	-1,895.18	
01 22 23 00-0323	MO	140 HP, D6 Bulldozer With Full-Time Operator	21,934.49	
		<i>For Equipment Without Operator, Deduct</i>	-8,168.86	
01 22 23 00-0324	DAY	200 HP, D7 Bulldozer With Full-Time Operator	2,018.54	
		<i>For Equipment Without Operator, Deduct</i>	-379.04	
01 22 23 00-0325	WK	200 HP, D7 Bulldozer With Full-Time Operator	8,445.45	
		<i>For Equipment Without Operator, Deduct</i>	-1,895.18	
01 22 23 00-0326	MO	200 HP, D7 Bulldozer With Full-Time Operator	27,811.95	
		<i>For Equipment Without Operator, Deduct</i>	-8,168.86	
01 22 23 00-0327	DAY	335 HP, D8 Bulldozer With Full-Time Operator	2,598.55	
		<i>For Equipment Without Operator, Deduct</i>	-379.04	
01 22 23 00-0328	WK	335 HP, D8 Bulldozer With Full-Time Operator	10,765.50	
		<i>For Equipment Without Operator, Deduct</i>	-1,895.18	
01 22 23 00-0329	MO	335 HP, D8 Bulldozer With Full-Time Operator	34,772.10	
		<i>For Equipment Without Operator, Deduct</i>	-8,168.86	
01 22 23 00-0330	DAY	460 HP, D9 Bulldozer With Full-Time Operator	2,923.36	
		<i>For Equipment Without Operator, Deduct</i>	-379.04	
01 22 23 00-0331	WK	460 HP, D9 Bulldozer With Full-Time Operator	12,057.00	
		<i>For Equipment Without Operator, Deduct</i>	-1,895.18	
01 22 23 00-0332	MO	460 HP, D9 Bulldozer With Full-Time Operator	38,638.85	
		<i>For Equipment Without Operator, Deduct</i>	-8,168.86	

## 01 22 23 00-0333

**Hydraulic Excavators** (01 22 23 00-0267)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0334	DAY	3/8 CY Hydraulic Excavator With Full-Time Operator	668.24	
		<i>For Equipment Without Operator, Deduct</i>	-379.04	
01 22 23 00-0335	WK	3/8 CY Hydraulic Excavator With Full-Time Operator	2,918.08	
		<i>For Equipment Without Operator, Deduct</i>	-1,895.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0336 MO 3/8 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	11,596.38 -8,168.86	
01 22 23 00-0337 DAY 1/2 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	749.64 -379.04	
01 22 23 00-0338 WK 1/2 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	3,276.90 -1,895.18	
01 22 23 00-0339 MO 1/2 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	13,031.65 -8,168.86	
01 22 23 00-0340 DAY 5/8 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	775.35 -379.04	
01 22 23 00-0341 WK 5/8 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	3,410.79 -1,895.18	
01 22 23 00-0342 MO 5/8 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	13,267.30 -8,168.86	
01 22 23 00-0343 DAY 3/4 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	802.12 -379.04	
01 22 23 00-0344 WK 3/4 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	3,533.96 -1,895.18	
01 22 23 00-0345 MO 3/4 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	13,502.94 -8,168.86	
01 22 23 00-0346 DAY 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	823.55 -379.04	
01 22 23 00-0347 WK 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	3,662.50 -1,895.18	
01 22 23 00-0348 MO 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	13,738.58 -8,168.86	
01 22 23 00-0349 DAY 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,112.74 -379.04	
01 22 23 00-0350 WK 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	4,813.93 -1,895.18	
01 22 23 00-0351 MO 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	16,925.10 -8,168.86	
01 22 23 00-0352 DAY 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,155.59 -379.04	
01 22 23 00-0353 WK 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	5,001.37 -1,895.18	
01 22 23 00-0354 MO 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	17,487.43 -8,168.86	
01 22 23 00-0355 DAY 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,235.92 -379.04	
01 22 23 00-0356 WK 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	5,322.70 -1,895.18	
01 22 23 00-0357 MO 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	18,451.42 -8,168.86	
01 22 23 00-0358 DAY 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,326.96 -379.04	
01 22 23 00-0359 WK 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	5,681.52 -1,895.18	
01 22 23 00-0360 MO 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	19,522.52 -8,168.86	
01 22 23 00-0361 DAY 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,353.74 -379.04	
01 22 23 00-0362 WK 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	5,788.63 -1,895.18	
01 22 23 00-0363 MO 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	19,843.85 -8,168.86	
01 22 23 00-0364 DAY 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,610.80 -379.04	
01 22 23 00-0365 WK 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	6,822.24 -1,895.18	
01 22 23 00-0366 MO 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	22,950.04 -8,168.86	
01 22 23 00-0367 DAY 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,980.33 -379.04	
01 22 23 00-0368 WK 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	8,289.65 -1,895.18	
01 22 23 00-0369 MO 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	27,341.55 -8,168.86	
01 22 23 00-0370 DAY 6 To 11 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	2,435.55 -379.04	
01 22 23 00-0371 WK 6 To 11 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	10,110.52 -1,895.18	
01 22 23 00-0372 MO 6 To 11 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	32,804.16 -8,168.86	
01 22 23 00-0373 DAY Up To 50' Depth, 50,000 LB Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,257.34 -379.04	
01 22 23 00-0374 WK Up To 50' Depth, 50,000 LB Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	5,397.68 -1,895.18	
01 22 23 00-0375 MO Up To 50' Depth, 50,000 LB Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	18,665.64 -8,168.86	
01 22 23 00-0376 DAY Thumbs Or Grapple Attachment For Hydraulic Excavators.....	74.98	
01 22 23 00-0377 WK Thumbs Or Grapple Attachment For Hydraulic Excavators.....	289.20	
01 22 23 00-0378 MO Thumbs Or Grapple Attachment For Hydraulic Excavators.....	856.88	
01 22 23 00-0379 DAY 1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	332.04	





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0380	WK		1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators .....	878.30	
01 22 23 00-0381	MO		1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators .....	2,458.17	
01 22 23 00-0382	DAY		1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators .....	514.13	
01 22 23 00-0383	WK		1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators .....	1,312.10	
01 22 23 00-0384	MO		1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators .....	3,411.45	
01 22 23 00-0385	DAY		3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators .....	717.64	
01 22 23 00-0386	WK		3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators .....	1,933.34	
01 22 23 00-0387	MO		3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators .....	5,419.77	
01 22 23 00-0388	DAY		24" Compaction Wheel Attachment For Hydraulic Excavators .....	149.95	
01 22 23 00-0389	WK		24" Compaction Wheel Attachment For Hydraulic Excavators .....	599.82	
01 22 23 00-0390	MO		24" Compaction Wheel Attachment For Hydraulic Excavators .....	1,799.45	
01 22 23 00-0391	DAY		36" Compaction Wheel Attachment For Hydraulic Excavators .....	214.22	
01 22 23 00-0392	WK		36" Compaction Wheel Attachment For Hydraulic Excavators .....	856.88	
01 22 23 00-0393	MO		36" Compaction Wheel Attachment For Hydraulic Excavators .....	2,570.64	
01 22 23 00-0394	DAY		48" Compaction Wheel Attachment For Hydraulic Excavators .....	235.64	
01 22 23 00-0395	WK		48" Compaction Wheel Attachment For Hydraulic Excavators .....	931.86	
01 22 23 00-0396	MO		48" Compaction Wheel Attachment For Hydraulic Excavators .....	2,784.86	
<b>01 22 23 00-0397</b>			<b>Mini-Excavators</b> <small>(01 22 23 00-0267)</small>		
			Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0398	DAY		2,000 LB Mini-Excavator With Full-Time Operator .....	603.97	
			<i>For Equipment Without Operator, Deduct</i>	-379.04	
01 22 23 00-0399	WK		2,000 LB Mini-Excavator With Full-Time Operator .....	2,532.48	
			<i>For Equipment Without Operator, Deduct</i>	-1,895.18	
01 22 23 00-0400	MO		2,000 LB Mini-Excavator With Full-Time Operator .....	9,572.00	
			<i>For Equipment Without Operator, Deduct</i>	-8,168.86	
01 22 23 00-0401	DAY		3,500 LB Mini-Excavator With Full-Time Operator .....	609.33	
			<i>For Equipment Without Operator, Deduct</i>	-379.04	
01 22 23 00-0402	WK		3,500 LB Mini-Excavator With Full-Time Operator .....	2,548.55	
			<i>For Equipment Without Operator, Deduct</i>	-1,895.18	
01 22 23 00-0403	MO		3,500 LB Mini-Excavator With Full-Time Operator .....	9,909.40	
			<i>For Equipment Without Operator, Deduct</i>	-8,168.86	
01 22 23 00-0404	DAY		6,000 LB Mini-Excavator With Full-Time Operator .....	636.10	
			<i>For Equipment Without Operator, Deduct</i>	-379.04	
01 22 23 00-0405	WK		6,000 LB Mini-Excavator With Full-Time Operator .....	2,623.53	
			<i>For Equipment Without Operator, Deduct</i>	-1,895.18	
01 22 23 00-0406	MO		6,000 LB Mini-Excavator With Full-Time Operator .....	9,957.60	
			<i>For Equipment Without Operator, Deduct</i>	-8,168.86	
01 22 23 00-0407	DAY		7,500 LB Mini-Excavator With Full-Time Operator .....	646.82	
			<i>For Equipment Without Operator, Deduct</i>	-379.04	
01 22 23 00-0408	WK		7,500 LB Mini-Excavator With Full-Time Operator .....	2,661.02	
			<i>For Equipment Without Operator, Deduct</i>	-1,895.18	
01 22 23 00-0409	MO		7,500 LB Mini-Excavator With Full-Time Operator .....	9,979.02	
			<i>For Equipment Without Operator, Deduct</i>	-8,168.86	
01 22 23 00-0410	DAY		9,500 LB Mini-Excavator With Full-Time Operator .....	711.08	
			<i>For Equipment Without Operator, Deduct</i>	-379.04	
01 22 23 00-0411	WK		9,500 LB Mini-Excavator With Full-Time Operator .....	2,714.57	
			<i>For Equipment Without Operator, Deduct</i>	-1,895.18	
01 22 23 00-0412	MO		9,500 LB Mini-Excavator With Full-Time Operator .....	10,600.26	
			<i>For Equipment Without Operator, Deduct</i>	-8,168.86	
01 22 23 00-0413	DAY		11,000 LB Mini-Excavator With Full-Time Operator .....	716.44	
			<i>For Equipment Without Operator, Deduct</i>	-379.04	
01 22 23 00-0414	WK		11,000 LB Mini-Excavator With Full-Time Operator .....	2,982.35	
			<i>For Equipment Without Operator, Deduct</i>	-1,895.18	
01 22 23 00-0415	MO		11,000 LB Mini-Excavator With Full-Time Operator .....	10,627.03	
			<i>For Equipment Without Operator, Deduct</i>	-8,168.86	
<b>01 22 23 00-0416</b>			<b>Loader-Backhoes With Standard Bucket</b> <small>(01 22 23 00-0267)</small>		
			Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0417	DAY		1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator .....	702.83	
			<i>For Equipment Without Operator, Deduct</i>	-379.04	
01 22 23 00-0418	WK		1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator .....	2,664.19	
			<i>For Equipment Without Operator, Deduct</i>	-1,895.18	
01 22 23 00-0419	MO		1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator .....	9,978.63	
			<i>For Equipment Without Operator, Deduct</i>	-8,168.86	
01 22 23 00-0420	DAY		1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator .....	737.52	
			<i>For Equipment Without Operator, Deduct</i>	-379.04	
01 22 23 00-0421	WK		1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator .....	2,785.61	
			<i>For Equipment Without Operator, Deduct</i>	-1,895.18	
01 22 23 00-0422	MO		1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator .....	10,718.72	
			<i>For Equipment Without Operator, Deduct</i>	-8,168.86	
01 22 23 00-0423	DAY		1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator .....	791.01	
			<i>For Equipment Without Operator, Deduct</i>	-379.04	
01 22 23 00-0424	WK		1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator .....	2,918.59	
			<i>For Equipment Without Operator, Deduct</i>	-1,895.18	
01 22 23 00-0425	MO		1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator .....	11,100.33	
			<i>For Equipment Without Operator, Deduct</i>	-8,168.86	
01 22 23 00-0426	DAY		1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator .....	1,029.52	
			<i>For Equipment Without Operator, Deduct</i>	-379.04	
01 22 23 00-0427	WK		1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator .....	3,629.78	
			<i>For Equipment Without Operator, Deduct</i>	-1,895.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0428 MO 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	13,135.60 -8,168.86	
<b>01 22 23 00-0429 Heavy Duty Construction Loaders (01 22 23 00-0267)</b> Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0430 DAY 2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	825.10 -379.04	
01 22 23 00-0431 WK 2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	3,658.84 -1,895.18	
01 22 23 00-0432 MO 2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	13,452.98 -8,168.86	
01 22 23 00-0433 DAY 3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	1,195.68 -379.04	
01 22 23 00-0434 WK 3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	4,063.73 -1,895.18	
01 22 23 00-0435 MO 3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	13,658.86 -8,168.86	
01 22 23 00-0436 DAY 3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	1,278.03 -379.04	
01 22 23 00-0437 WK 3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	4,283.33 -1,895.18	
01 22 23 00-0438 MO 3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	14,207.86 -8,168.86	
01 22 23 00-0439 DAY 4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	1,504.49 -379.04	
01 22 23 00-0440 WK 4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	4,880.37 -1,895.18	
01 22 23 00-0441 MO 4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	15,717.61 -8,168.86	
01 22 23 00-0442 DAY 7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	2,087.80 -379.04	
01 22 23 00-0443 WK 7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	8,716.50 -1,895.18	
01 22 23 00-0444 MO 7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	28,619.11 -8,168.86	
01 22 23 00-0445 DAY 13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	5,930.73 -379.04	
01 22 23 00-0446 WK 13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	19,922.78 -1,895.18	
01 22 23 00-0447 MO 13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	57,298.94 -8,168.86	
<b>01 22 23 00-0448 Shoring (01 22 23 00-0267)</b> Note: Includes delivery to job site and pick-up when complete.		
<b>01 22 23 00-0449 Aluminum Hydraulic Shoring (01 22 23 00-0448)</b> Note: Includes delivery to job site and pick-up when complete. Excludes sheeting.		
01 22 23 00-0450 WK 2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring..... Note: Up to 88" spread width.	58.46	
01 22 23 00-0451 MO 2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring ..... Note: Up to 88" spread width.	172.44	
01 22 23 00-0452 WK Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring ..... Note: Up to 88" spread width.	78.43	
01 22 23 00-0453 MO Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring ..... Note: Up to 88" spread width.	231.33	
01 22 23 00-0454 WK Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring ..... Note: Up to 88" spread width.	145.43	
01 22 23 00-0455 MO Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring ..... Note: Up to 88" spread width.	429.01	
01 22 23 00-0456 EA Set-up And Removal Of 1 Cylinder Aluminum Hydraulic Shores.....	12.18	
01 22 23 00-0457 EA Set-up And Removal Of 2 Cylinders Aluminum Hydraulic Shores .....	19.48	
01 22 23 00-0458 EA Set-up And Removal Of 3 Cylinders Aluminum Hydraulic Shores .....	32.47	
<b>01 22 23 00-0459 Tractors (01 22 23 00-0267)</b> Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0460 DAY 20 To 29 HP Tractor .....	356.82	
01 22 23 00-0461 WK 20 To 29 HP Tractor .....	859.02	
01 22 23 00-0462 MO 20 To 29 HP Tractor .....	2,319.36	
01 22 23 00-0463 DAY 30 To 35 HP Tractor .....	369.73	
01 22 23 00-0464 WK 30 To 35 HP Tractor .....	951.85	
01 22 23 00-0465 MO 30 To 35 HP Tractor .....	2,635.28	
01 22 23 00-0466 DAY 40 To 45 HP Tractor .....	377.59	
01 22 23 00-0467 WK 40 To 45 HP Tractor .....	1,014.78	
01 22 23 00-0468 MO 40 To 45 HP Tractor .....	2,784.74	
01 22 23 00-0469 DAY 80 To 89 HP Tractor .....	486.15	
01 22 23 00-0470 WK 80 To 89 HP Tractor .....	1,378.68	
01 22 23 00-0471 MO 80 To 89 HP Tractor .....	3,947.57	
01 22 23 00-0472 DAY 60" Rotary Mower Attachment For Tractors.....	152.61	
01 22 23 00-0473 WK 60" Rotary Mower Attachment For Tractors.....	471.99	
01 22 23 00-0474 DAY 84" Rotary Mower Attachment For Tractors.....	166.77	
01 22 23 00-0475 WK 84" Rotary Mower Attachment For Tractors.....	511.32	

<b>01</b>	<b>General Requirements</b>
<b>01 20</b>	<b>Price And Payment Procedures</b>
<b>01 22</b>	<b>Unit Prices</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 22 23 00-0476	DAY	Under Deck Rotary Mower Attachment For Tractors .....	22.49
01 22 23 00-0477	WK	Under Deck Rotary Mower Attachment For Tractors .....	89.96

**01 22 23 00-0478 Trench Boxes/Trench Shields** (01 22 23 00-0267)

Note: Trenching tasks include moving the trench box in excavation as trenching proceeds. Includes delivery to job site and pick-up when complete. For stackable units, combine multiple units for depth required.

01 22 23 00-0479	WK	4' x 6' Trench Box With Up To 48" Spreaders.....	175.09
01 22 23 00-0480	MO	4' x 6' Trench Box With Up To 48" Spreaders.....	525.26
01 22 23 00-0481	WK	6' x 6' Trench Box With Up To 48" Spreaders.....	197.68
01 22 23 00-0482	MO	6' x 6' Trench Box With Up To 48" Spreaders.....	593.04
01 22 23 00-0483	WK	8' x 6' Trench Box With Up To 48" Spreaders.....	208.98
01 22 23 00-0484	MO	8' x 6' Trench Box With Up To 48" Spreaders.....	626.93
01 22 23 00-0485	WK	4' x 8' Trench Box With Up To 48" Spreaders.....	192.03
01 22 23 00-0486	MO	4' x 8' Trench Box With Up To 48" Spreaders.....	576.10
01 22 23 00-0487	WK	6' x 8' Trench Box With Up To 48" Spreaders.....	225.92
01 22 23 00-0488	MO	6' x 8' Trench Box With Up To 48" Spreaders.....	677.76
01 22 23 00-0489	WK	8' x 8' Trench Box With Up To 48" Spreaders.....	254.16
01 22 23 00-0490	MO	8' x 8' Trench Box With Up To 48" Spreaders.....	762.48
01 22 23 00-0491	WK	4' x 10' Trench Box With Up To 48" Spreaders.....	214.62
01 22 23 00-0492	MO	4' x 10' Trench Box With Up To 48" Spreaders.....	643.87
01 22 23 00-0493	WK	6' x 10' Trench Box With Up To 48" Spreaders.....	254.16
01 22 23 00-0494	MO	6' x 10' Trench Box With Up To 48" Spreaders.....	762.48
01 22 23 00-0495	WK	8' x 10' Trench Box With Up To 48" Spreaders.....	310.64
01 22 23 00-0496	MO	8' x 10' Trench Box With Up To 48" Spreaders.....	926.27
01 22 23 00-0497	WK	4' x 12' Trench Box With Up To 48" Spreaders.....	254.16
01 22 23 00-0498	MO	4' x 12' Trench Box With Up To 48" Spreaders.....	762.48
01 22 23 00-0499	WK	6' x 12' Trench Box With Up To 48" Spreaders.....	310.64
01 22 23 00-0500	MO	6' x 12' Trench Box With Up To 48" Spreaders.....	931.92
01 22 23 00-0501	WK	8' x 12' Trench Box With Up To 48" Spreaders.....	395.36
01 22 23 00-0502	MO	8' x 12' Trench Box With Up To 48" Spreaders.....	1,186.08
01 22 23 00-0503	WK	4' x 14' Trench Box With Up To 48" Spreaders.....	282.40
01 22 23 00-0504	MO	4' x 14' Trench Box With Up To 48" Spreaders.....	847.20
01 22 23 00-0505	WK	6' x 14' Trench Box With Up To 48" Spreaders.....	367.12
01 22 23 00-0506	MO	6' x 14' Trench Box With Up To 48" Spreaders.....	1,101.36
01 22 23 00-0507	WK	8' x 14' Trench Box With Up To 48" Spreaders.....	451.84
01 22 23 00-0508	MO	8' x 14' Trench Box With Up To 48" Spreaders.....	1,355.52
01 22 23 00-0509	WK	4' x 16' Trench Box With Up To 48" Spreaders.....	310.64
01 22 23 00-0510	MO	4' x 16' Trench Box With Up To 48" Spreaders.....	931.92
01 22 23 00-0511	WK	6' x 16' Trench Box With Up To 48" Spreaders.....	423.60
01 22 23 00-0512	MO	6' x 16' Trench Box With Up To 48" Spreaders.....	1,270.80
01 22 23 00-0513	WK	8' x 16' Trench Box With Up To 48" Spreaders.....	508.32
01 22 23 00-0514	MO	8' x 16' Trench Box With Up To 48" Spreaders.....	1,524.96
01 22 23 00-0515	WK	4' x 20' Trench Box With Up To 48" Spreaders.....	367.12
01 22 23 00-0516	MO	4' x 20' Trench Box With Up To 48" Spreaders.....	1,101.36
01 22 23 00-0517	WK	6' x 20' Trench Box With Up To 48" Spreaders.....	508.32
01 22 23 00-0518	MO	6' x 20' Trench Box With Up To 48" Spreaders.....	1,524.96
01 22 23 00-0519	WK	8' x 20' Trench Box With Up To 48" Spreaders.....	593.04
01 22 23 00-0520	MO	8' x 20' Trench Box With Up To 48" Spreaders.....	1,779.12
01 22 23 00-0521	WK	4' x 24' Trench Box With Up To 48" Spreaders.....	508.32
01 22 23 00-0522	MO	4' x 24' Trench Box With Up To 48" Spreaders.....	1,524.96
01 22 23 00-0523	WK	6' x 24' Trench Box With Up To 48" Spreaders.....	621.28
01 22 23 00-0524	MO	6' x 24' Trench Box With Up To 48" Spreaders.....	1,863.84
01 22 23 00-0525	WK	8' x 24' Trench Box With Up To 48" Spreaders.....	677.76
01 22 23 00-0526	MO	8' x 24' Trench Box With Up To 48" Spreaders.....	2,033.28
01 22 23 00-0527	WK	For Spreaders >48" To 84", Add.....	16.94
01 22 23 00-0528	MO	For Spreaders >48" To 84", Add.....	50.83
01 22 23 00-0529	WK	For Spreaders >84" To 120", Add.....	101.66
01 22 23 00-0530	MO	For Spreaders >84" To 120", Add.....	304.99
01 22 23 00-0531	WK	For Spreaders >120", Add.....	214.62
01 22 23 00-0532	MO	For Spreaders >120", Add.....	643.87
01 22 23 00-0533	WK	8' x 4' Manhole Box.....	266.87
01 22 23 00-0534	MO	8' x 4' Manhole Box.....	800.60
01 22 23 00-0535	WK	8' x 8' Manhole Box.....	381.24
01 22 23 00-0536	MO	8' x 8' Manhole Box.....	1,143.72

**01 22 23 00-0537 Trenchers** (01 22 23 00-0267)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0538	DAY	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator .....	630.77
		<i>For Equipment Without Operator, Deduct</i> .....	-379.04
01 22 23 00-0539	WK	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator .....	2,752.63
		<i>For Equipment Without Operator, Deduct</i> .....	-1,895.18
01 22 23 00-0540	MO	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator .....	10,528.81
		<i>For Equipment Without Operator, Deduct</i> .....	-8,168.86
01 22 23 00-0541	DAY	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator .....	1,055.56
		<i>For Equipment Without Operator, Deduct</i> .....	-379.04
01 22 23 00-0542	WK	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator .....	4,184.33
		<i>For Equipment Without Operator, Deduct</i> .....	-1,895.18
01 22 23 00-0543	MO	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator .....	14,462.06
		<i>For Equipment Without Operator, Deduct</i> .....	-8,168.86



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>01 22 23 00-0544 Telescopic Hydraulic Excavators (Gradall) <small>(01 22 23 00-0267)</small></b>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0545 DAY Telescopic Hydraulic Excavator (Gradall) With Full-Time Operator .....	1,669.76	
For Equipment Without Operator, Deduct .....	-379.04	
01 22 23 00-0546 WK Telescopic Hydraulic Excavator (Gradall) With Full-Time Operator .....	7,052.27	
For Equipment Without Operator, Deduct .....	-1,895.18	
01 22 23 00-0547 MO Telescopic Hydraulic Excavator (Gradall) With Full-Time Operator .....	26,575.26	
For Equipment Without Operator, Deduct .....	-8,168.86	
<b>01 22 23 00-0548 Road Graders <small>(01 22 23 00-0267)</small></b>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0549 DAY 60 HP Road Grader With Full-Time Operator .....	857.10	
For Equipment Without Operator, Deduct .....	-379.04	
01 22 23 00-0550 WK 60 HP Road Grader With Full-Time Operator .....	3,188.38	
For Equipment Without Operator, Deduct .....	-1,895.18	
01 22 23 00-0551 MO 60 HP Road Grader With Full-Time Operator .....	12,036.21	
For Equipment Without Operator, Deduct .....	-8,168.86	
01 22 23 00-0552 DAY 80 HP Road Grader With Full-Time Operator .....	998.06	
For Equipment Without Operator, Deduct .....	-379.04	
01 22 23 00-0553 WK 80 HP Road Grader With Full-Time Operator .....	3,580.63	
For Equipment Without Operator, Deduct .....	-1,895.18	
01 22 23 00-0554 MO 80 HP Road Grader With Full-Time Operator .....	13,225.22	
For Equipment Without Operator, Deduct .....	-8,168.86	
01 22 23 00-0555 DAY 130 HP Road Grader With Full-Time Operator .....	902.60	
For Equipment Without Operator, Deduct .....	-379.04	
01 22 23 00-0556 WK 130 HP Road Grader With Full-Time Operator .....	3,989.43	
For Equipment Without Operator, Deduct .....	-1,895.18	
01 22 23 00-0557 MO 130 HP Road Grader With Full-Time Operator .....	15,653.06	
For Equipment Without Operator, Deduct .....	-8,168.86	
<b>01 22 23 00-0558 Motor Scraper <small>(01 22 23 00-0267)</small></b>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0559 DAY 11 CY Motor Scraper-Hauler With Full-Time Operator .....	1,223.21	
For Equipment Without Operator, Deduct .....	-379.04	
01 22 23 00-0560 WK 11 CY Motor Scraper-Hauler With Full-Time Operator .....	5,271.87	
For Equipment Without Operator, Deduct .....	-1,895.18	
01 22 23 00-0561 MO 11 CY Motor Scraper-Hauler With Full-Time Operator .....	18,287.36	
For Equipment Without Operator, Deduct .....	-8,168.86	
01 22 23 00-0562 DAY 18 CY Motor Scraper-Hauler With Full-Time Operator .....	1,564.35	
For Equipment Without Operator, Deduct .....	-379.04	
01 22 23 00-0563 WK 18 CY Motor Scraper-Hauler With Full-Time Operator .....	6,636.42	
For Equipment Without Operator, Deduct .....	-1,895.18	
01 22 23 00-0564 MO 18 CY Motor Scraper-Hauler With Full-Time Operator .....	22,392.58	
For Equipment Without Operator, Deduct .....	-8,168.86	
01 22 23 00-0565 DAY 24 CY Motor Scraper-Hauler With Full-Time Operator .....	1,893.92	
For Equipment Without Operator, Deduct .....	-379.04	
01 22 23 00-0566 WK 24 CY Motor Scraper-Hauler With Full-Time Operator .....	7,948.93	
For Equipment Without Operator, Deduct .....	-1,895.18	
01 22 23 00-0567 MO 24 CY Motor Scraper-Hauler With Full-Time Operator .....	26,324.34	
For Equipment Without Operator, Deduct .....	-8,168.86	
<b>01 22 23 00-0568 Portable Sediment Tank <small>(01 22 23 00-0267)</small></b>		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0569 WK Portable Sediment Tank .....	112.46	
01 22 23 00-0570 MO Portable Sediment Tank .....	329.87	
<b>01 22 23 00-0571 Heavy Equipment (Wood Ground Protection) Mats <small>(01 22 23 00-0267)</small></b>		
Note: Rental price per mat. Excludes placement, moving, mobilization and demobilization. See CSI section 01 22 23 00-0267 for equipment for offloading/reloading from delivery vehicle, placing, and moving mats, 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.		
01 22 23 00-0572 DAY 14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat .....	15.84	
01 22 23 00-0573 WK 14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat .....	37.71	
01 22 23 00-0574 MO 14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat .....	79.20	
01 22 23 00-0575 DAY 16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat .....	16.63	
01 22 23 00-0576 WK 16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat .....	39.60	
01 22 23 00-0577 MO 16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat .....	83.16	
01 22 23 00-0578 DAY 16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat .....	13.46	
01 22 23 00-0579 WK 16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat .....	31.68	
01 22 23 00-0580 MO 16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat .....	67.32	
01 22 23 00-0581 DAY 18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat .....	15.05	
01 22 23 00-0582 WK 18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat .....	35.64	
01 22 23 00-0583 MO 18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat .....	75.24	
01 22 23 00-0584 DAY 20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat .....	16.63	
01 22 23 00-0585 WK 20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat .....	39.60	
01 22 23 00-0586 MO 20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat .....	83.16	
01 22 23 00-0587 DAY 24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat .....	18.22	
01 22 23 00-0588 WK 24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat .....	43.37	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 22 23 00-0589	MO	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	91.08
01 22 23 00-0590	Day	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	14.26
01 22 23 00-0591	WK	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	39.60
01 22 23 00-0592	MO	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	71.28
01 22 23 00-0593	Day	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	16.63
01 22 23 00-0594	WK	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	39.60
01 22 23 00-0595	MO	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	83.16
01 22 23 00-0596	Day	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	19.80
01 22 23 00-0597	WK	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	43.56
01 22 23 00-0598	MO	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	99.00
01 22 23 00-0599	Day	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	21.38
01 22 23 00-0600	WK	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	50.91
01 22 23 00-0601	MO	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	106.92
01 22 23 00-0602	Day	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	22.97
01 22 23 00-0603	WK	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	54.69
01 22 23 00-0604	MO	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	114.84
01 22 23 00-0605	Day	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	23.76
01 22 23 00-0606	WK	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	56.57
01 22 23 00-0607	MO	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat.....	118.80
01 22 23 00-0608	Day	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	7.62
01 22 23 00-0609	WK	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	19.05
01 22 23 00-0610	MO	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	57.14
01 22 23 00-0611	Day	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	9.11
01 22 23 00-0612	WK	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	22.77
01 22 23 00-0613	MO	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	68.31
01 22 23 00-0614	Day	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	10.40
01 22 23 00-0615	WK	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	26.00
01 22 23 00-0616	MO	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	78.01
01 22 23 00-0617	Day	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	11.09
01 22 23 00-0618	WK	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	27.72
01 22 23 00-0619	MO	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	83.16
01 22 23 00-0620	Day	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	12.67
01 22 23 00-0621	WK	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	31.68
01 22 23 00-0622	MO	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	95.04
01 22 23 00-0623	Day	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	14.56
01 22 23 00-0624	WK	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	36.41
01 22 23 00-0625	MO	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	109.22
01 22 23 00-0626	Day	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™).....	11.20
01 22 23 00-0627	WK	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™).....	28.01
01 22 23 00-0628	MO	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™).....	84.03
01 22 23 00-0629	Day	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	15.17
01 22 23 00-0630	WK	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	37.92
01 22 23 00-0631	MO	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	113.77
01 22 23 00-0632	Day	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	13.12
01 22 23 00-0633	WK	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	32.79
01 22 23 00-0634	MO	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	98.37
01 22 23 00-0635	Day	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	21.87
01 22 23 00-0636	WK	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	54.68
01 22 23 00-0637	MO	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	164.05
01 22 23 00-0638	Day	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™).....	23.32
01 22 23 00-0639	WK	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™).....	58.29
01 22 23 00-0640	MO	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™).....	174.87

01 22 23 00-0641 Electrical Equipment (01 22 23)

01 22 23 00-0642 Tripod Mounted Floodlights (01 22 23 00-0641)

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0643	DAY	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	54.04
01 22 23 00-0644	WK	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	127.86
01 22 23 00-0645	MO	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	270.21
01 22 23 00-0646	DAY	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	54.04
01 22 23 00-0647	WK	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	158.17
01 22 23 00-0648	MO	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	467.93
01 22 23 00-0649	DAY	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	60.63
01 22 23 00-0650	WK	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	164.76
01 22 23 00-0651	MO	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	402.02

01 22 23 00-0652 Trailer Mounted Floodlights (01 22 23 00-0641)

Note: Includes delivery to job site and pick-up when complete. Excludes operator.

01 22 23 00-0653	DAY	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	151.58
01 22 23 00-0654	WK	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	336.12
01 22 23 00-0655	MO	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	724.96

01 22 23 00-0656 Generator Sets (01 22 23 00-0641)

01 22 23 00-0657 Portable, Gas Or Diesel Powered Generator Sets (01 22 23 00-0656)

Note: With 24 hour day-tank. Includes delivery to job site and pick-up when complete. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0799 for reimbursable fuel fees.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0658 DAY 3.6 KW, 8 HP Gas Powered Generator Set.....	52.27	
<i>For LP Or NG Gas, Add</i>	6.53	
<i>For &gt;160 To 320 Hours Usage Per Month, Add</i>	26.14	
01 22 23 00-0659 WK 3.6 KW, 8 HP Gas Powered Generator Set.....	188.42	
<i>For LP Or NG Gas, Add</i>	23.55	
01 22 23 00-0660 MO 3.6 KW, 8 HP Gas Powered Generator Set.....	522.71	
<i>For LP Or NG Gas, Add</i>	65.34	
01 22 23 00-0661 DAY 5 KW, 11 HP Gas Powered Generator Set.....	74.15	
<i>For LP Or NG Gas, Add</i>	9.27	
01 22 23 00-0662 WK 5 KW, 11 HP Gas Powered Generator Set.....	237.04	
<i>For LP Or NG Gas, Add</i>	29.63	
01 22 23 00-0663 MO 5 KW, 11 HP Gas Powered Generator Set.....	540.94	
<i>For LP Or NG Gas, Add</i>	67.62	
01 22 23 00-0664 DAY 6.5 KW, 13 HP Gas Powered Generator Set.....	94.82	
<i>For LP Or NG Gas, Add</i>	11.85	
01 22 23 00-0665 WK 6.5 KW, 13 HP Gas Powered Generator Set.....	255.28	
<i>For LP Or NG Gas, Add</i>	31.91	
01 22 23 00-0666 MO 6.5 KW, 13 HP Gas Powered Generator Set.....	705.05	
<i>For LP Or NG Gas, Add</i>	88.13	
01 22 23 00-0667 DAY 10 KW, 18 HP Gas Powered Generator Set.....	105.76	
<i>For LP Or NG Gas, Add</i>	13.22	
01 22 23 00-0668 WK 10 KW, 18 HP Gas Powered Generator Set.....	285.67	
<i>For LP Or NG Gas, Add</i>	35.71	
01 22 23 00-0669 MO 10 KW, 18 HP Gas Powered Generator Set.....	820.53	
<i>For LP Or NG Gas, Add</i>	102.57	
<b>01 22 23 00-0670 Towable, Diesel Powered Generator Sets</b> <small>(01 22 23 00-0656)</small>		
<small>Note: Includes 24 hour day-tank on sizes up to 180KW, 40 hour day-tank for sizes greater than 180KW To 300 KW and 1000 gallon for sizes greater than 300KW. Multi-voltage transformer unless stated otherwise, trailer mounted including sound attenuation and control panel. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0799 for reimbursable fuel fees.</small>		
01 22 23 00-0671 DAY 20 KW, 60 Hertz Towable Diesel Powered Generator Set.....	217.59	
<small>Note: Fuel consumption: 100% load - 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.</small>		
<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	108.80	
<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	217.59	
01 22 23 00-0672 WK 20 KW, 60 Hertz Towable Diesel Powered Generator Set.....	568.90	
<small>Note: Fuel consumption: 100% load - 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.</small>		
<i>For &gt;40 To 80 Hours Usage Per Week, Add</i>	284.45	
<i>For &gt;80 Hours Usage Per Week, Add</i>	568.90	
01 22 23 00-0673 MO 20 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,549.89	
<small>Note: Fuel consumption: 100% load - 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.</small>		
<i>For &gt;160 To 320 Hours Usage Per Month, Add</i>	774.95	
<i>For &gt;320 Hours Usage Per Month, Add</i>	1,549.89	
01 22 23 00-0674 DAY 30 KW, 60 Hertz Towable Diesel Powered Generator Set.....	364.75	
<small>Note: Fuel consumption: 100% load - 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.</small>		
<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	182.38	
<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	364.75	
01 22 23 00-0675 WK 30 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,082.47	
<small>Note: Fuel consumption: 100% load - 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.</small>		
<i>For &gt;40 To 80 Hours Usage Per Week, Add</i>	541.24	
<i>For &gt;80 Hours Usage Per Week, Add</i>	1,082.47	
01 22 23 00-0676 MO 30 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,235.54	
<small>Note: Fuel consumption: 100% load - 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.</small>		
<i>For &gt;160 To 320 Hours Usage Per Month, Add</i>	1,117.77	
<i>For &gt;320 Hours Usage Per Month, Add</i>	2,235.54	
01 22 23 00-0677 DAY 40.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	400.04	
<small>Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.</small>		
<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	200.02	
<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	400.04	
01 22 23 00-0678 WK 40.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,117.77	
<small>Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.</small>		
<i>For &gt;40 To 80 Hours Usage Per Week, Add</i>	558.89	
<i>For &gt;80 Hours Usage Per Week, Add</i>	1,117.77	
01 22 23 00-0679 MO 40.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,470.86	
<small>Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.</small>		
<i>For &gt;160 To 320 Hours Usage Per Month, Add</i>	1,235.43	
<i>For &gt;320 Hours Usage Per Month, Add</i>	2,470.86	
01 22 23 00-0680 DAY 55.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	429.46	
<small>Note: Fuel consumption: 100% load - 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.</small>		
<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	214.73	
<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	429.46	

<b>01</b>	<b>General Requirements</b>
<b>01 20</b>	<b>Price And Payment Procedures</b>
<b>01 22</b>	<b>Unit Prices</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0681	WK		55.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,176.60	
			Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.		
			For >40 To 80 Hours Usage Per Week, Add	588.30	
			For >80 Hours Usage Per Week, Add	1,176.60	
01 22 23 00-0682	MO		55.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,823.84	
			Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.		
			For >160 To 320 Hours Usage Per Month, Add	1,411.92	
			For >320 Hours Usage Per Month, Add	2,823.84	
01 22 23 00-0683	DAY		70.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	470.64	
			Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.		
			For >8 To 16 Hours Usage Per Day, Add	235.32	
			For >16 To 24 Hours Usage Per Day, Add	470.64	
01 22 23 00-0684	WK		70.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,335.44	
			Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.		
			For >40 To 80 Hours Usage Per Week, Add	667.72	
			For >80 Hours Usage Per Week, Add	1,335.44	
01 22 23 00-0685	MO		70.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	3,176.82	
			Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.		
			For >160 To 320 Hours Usage Per Month, Add	1,588.41	
			For >320 Hours Usage Per Month, Add	3,176.82	
01 22 23 00-0686	DAY		80.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	529.47	
			Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.		
			For >8 To 16 Hours Usage Per Day, Add	264.74	
			For >16 To 24 Hours Usage Per Day, Add	529.47	
01 22 23 00-0687	WK		80.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,411.92	
			Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.		
			For >40 To 80 Hours Usage Per Week, Add	705.96	
			For >80 Hours Usage Per Week, Add	1,411.92	
01 22 23 00-0688	MO		80.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	3,529.80	
			Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.		
			For >160 To 320 Hours Usage Per Month, Add	1,764.90	
			For >320 Hours Usage Per Month, Add	3,529.80	
01 22 23 00-0689	DAY		100.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	547.12	
			Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.		
			For >8 To 16 Hours Usage Per Day, Add	273.56	
			For >16 To 24 Hours Usage Per Day, Add	547.12	
01 22 23 00-0690	WK		100.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,470.75	
			Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.		
			For >40 To 80 Hours Usage Per Week, Add	735.38	
			For >80 Hours Usage Per Week, Add	1,470.75	
01 22 23 00-0691	MO		100.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	4,000.44	
			Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.		
			For >160 To 320 Hours Usage Per Month, Add	2,000.22	
			For >320 Hours Usage Per Month, Add	4,000.44	
01 22 23 00-0692	DAY		120.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	617.72	
			Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.		
			For >8 To 16 Hours Usage Per Day, Add	308.86	
			For >16 To 24 Hours Usage Per Day, Add	617.72	
01 22 23 00-0693	WK		120.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,706.07	
			Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.		
			For >40 To 80 Hours Usage Per Week, Add	853.04	
			For >80 Hours Usage Per Week, Add	1,706.07	
01 22 23 00-0694	MO		120.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	4,588.74	
			Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.		
			For >160 To 320 Hours Usage Per Month, Add	2,294.37	
			For >320 Hours Usage Per Month, Add	4,588.74	
01 22 23 00-0695	DAY		140.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	647.13	
			Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.		
			For >8 To 16 Hours Usage Per Day, Add	323.57	
			For >16 To 24 Hours Usage Per Day, Add	647.13	
01 22 23 00-0696	WK		140.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,794.32	
			Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.		
			For >40 To 80 Hours Usage Per Week, Add	897.16	
			For >80 Hours Usage Per Week, Add	1,794.32	
01 22 23 00-0697	MO		140.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	5,059.38	
			Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.		
			For >160 To 320 Hours Usage Per Month, Add	2,529.69	
			For >320 Hours Usage Per Month, Add	5,059.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0698 DAY 150.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	676.54	
Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	338.27	
For >16 To 24 Hours Usage Per Day, Add	676.54	
01 22 23 00-0699 WK 150.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,941.39	
Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	970.70	
For >80 Hours Usage Per Week, Add	1,941.39	
01 22 23 00-0700 MO 150.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	5,294.70	
Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	2,647.35	
For >320 Hours Usage Per Month, Add	5,294.70	
01 22 23 00-0701 DAY 160.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	705.96	
Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	352.98	
For >16 To 24 Hours Usage Per Day, Add	705.96	
01 22 23 00-0702 WK 160.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,059.05	
Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	1,029.53	
For >80 Hours Usage Per Week, Add	2,059.05	
01 22 23 00-0703 MO 160.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	5,530.02	
Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	2,765.01	
For >320 Hours Usage Per Month, Add	5,530.02	
01 22 23 00-0704 DAY 175.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	705.96	
Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	352.98	
For >16 To 24 Hours Usage Per Day, Add	705.96	
01 22 23 00-0705 WK 175.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,059.05	
Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	1,029.53	
For >80 Hours Usage Per Week, Add	2,059.05	
01 22 23 00-0706 MO 175.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	5,530.02	
Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	2,765.01	
For >320 Hours Usage Per Month, Add	5,530.02	
01 22 23 00-0707 DAY 200.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	970.70	
Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	485.35	
For >16 To 24 Hours Usage Per Day, Add	970.70	
01 22 23 00-0708 WK 200.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,412.03	
Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	1,206.02	
For >80 Hours Usage Per Week, Add	2,412.03	
01 22 23 00-0709 MO 200.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	7,059.60	
Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	3,529.80	
For >320 Hours Usage Per Month, Add	7,059.60	
01 22 23 00-0710 DAY 250.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,029.52	
Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	514.76	
For >16 To 24 Hours Usage Per Day, Add	1,029.52	
01 22 23 00-0711 WK 250.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,470.86	
Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	1,235.43	
For >80 Hours Usage Per Week, Add	2,470.86	
01 22 23 00-0712 MO 250.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	7,294.92	
Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	3,647.46	
For >320 Hours Usage Per Month, Add	7,294.92	
01 22 23 00-0713 DAY 275.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,088.36	
Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.		
For >8 To 16 Hours Usage Per Day, Add	544.18	
For >16 To 24 Hours Usage Per Day, Add	1,088.36	
01 22 23 00-0714 WK 275.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,529.69	
Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	1,264.85	
For >80 Hours Usage Per Week, Add	2,529.69	



<b>01</b>	<b>General Requirements</b>
<b>01 20</b>	<b>Price And Payment Procedures</b>
<b>01 22</b>	<b>Unit Prices</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0715	MO		275.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	7,530.24	
			Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.		
			For >160 To 320 Hours Usage Per Month, Add	3,765.12	
			For >320 Hours Usage Per Month, Add	7,530.24	
01 22 23 00-0716	DAY		300.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,123.65	
			Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.		
			For >8 To 16 Hours Usage Per Day, Add	561.83	
			For >16 To 24 Hours Usage Per Day, Add	1,123.65	
01 22 23 00-0717	WK		300.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,706.18	
			Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.		
			For >40 To 80 Hours Usage Per Week, Add	1,353.09	
			For >80 Hours Usage Per Week, Add	2,706.18	
01 22 23 00-0718	MO		300.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	8,000.88	
			Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.		
			For >160 To 320 Hours Usage Per Month, Add	4,000.44	
			For >320 Hours Usage Per Month, Add	8,000.88	
01 22 23 00-0719	DAY		350.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,176.60	
			Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.		
			For >8 To 16 Hours Usage Per Day, Add	588.30	
			For >16 To 24 Hours Usage Per Day, Add	1,176.60	
01 22 23 00-0720	WK		350.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	3,059.16	
			Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.		
			For >40 To 80 Hours Usage Per Week, Add	1,529.58	
			For >80 Hours Usage Per Week, Add	3,059.16	
01 22 23 00-0721	MO		350.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	8,824.50	
			Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.		
			For >160 To 320 Hours Usage Per Month, Add	4,412.25	
			For >320 Hours Usage Per Month, Add	8,824.50	
01 22 23 00-0722	DAY		400.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,291.45	
			Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.		
			For >8 To 16 Hours Usage Per Day, Add	645.73	
			For >16 To 24 Hours Usage Per Day, Add	1,291.45	
01 22 23 00-0723	WK		400.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	3,339.00	
			Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.		
			For >40 To 80 Hours Usage Per Week, Add	1,669.50	
			For >80 Hours Usage Per Week, Add	3,339.00	
01 22 23 00-0724	MO		400.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	8,830.40	
			Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.		
			For >160 To 320 Hours Usage Per Month, Add	4,415.20	
			For >320 Hours Usage Per Month, Add	8,830.40	
01 22 23 00-0725	DAY		500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	1,655.70	
			Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.		
			For >8 To 16 Hours Usage Per Day, Add	827.85	
			For >16 To 24 Hours Usage Per Day, Add	1,655.70	
01 22 23 00-0726	WK		500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	4,304.82	
			Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.		
			For >40 To 80 Hours Usage Per Week, Add	2,152.41	
			For >80 Hours Usage Per Week, Add	4,304.82	
01 22 23 00-0727	MO		500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	9,934.20	
			Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.		
			For >160 To 320 Hours Usage Per Month, Add	4,967.10	
			For >320 Hours Usage Per Month, Add	9,934.20	
01 22 23 00-0728	DAY		640.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	2,047.55	
			Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.		
			For >8 To 16 Hours Usage Per Day, Add	1,023.78	
			For >16 To 24 Hours Usage Per Day, Add	2,047.55	
01 22 23 00-0729	WK		640.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	5,408.62	
			Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.		
			For >40 To 80 Hours Usage Per Week, Add	2,704.31	
			For >80 Hours Usage Per Week, Add	5,408.62	
01 22 23 00-0730	MO		640.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	13,245.60	
			Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.		
			For >160 To 320 Hours Usage Per Month, Add	6,622.80	
			For >320 Hours Usage Per Month, Add	13,245.60	
01 22 23 00-0731	DAY		750.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	2,213.12	
			Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.		
			For >8 To 16 Hours Usage Per Day, Add	1,106.56	
			For >16 To 24 Hours Usage Per Day, Add	2,213.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0732 WK 750.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	5,099.56	
Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.		
For >40 To 80 Hours Usage Per Week, Add	2,549.78	
For >80 Hours Usage Per Week, Add	5,099.56	
01 22 23 00-0733 MO 750.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	15,298.67	
Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.		
For >160 To 320 Hours Usage Per Month, Add	7,649.34	
For >320 Hours Usage Per Month, Add	15,298.67	
01 22 23 00-0734 EA Up To 300 KW Generator Set Delivery, Set-Up, Testing And Pick-up.....	677.68	
01 22 23 00-0735 EA 350 To 750 KW Generator Set Delivery, Set-Up, Testing And Pick-up .....	1,002.39	
<b>01 22 23 00-0736 Generator Accessories (01 22 23 00-0656)</b>		
Note: Includes delivery to job site and pick-up when complete.		
<b>01 22 23 00-0737 Step Down Transformer (01 22 23 00-0736)</b>		
01 22 23 00-0738 WK 75 KVA, 480-208 Volt, Step Down Transformer .....	347.10	
01 22 23 00-0739 MO 75 KVA, 480-208 Volt, Step Down Transformer .....	970.70	
01 22 23 00-0740 WK 150 KVA, 480-208 Volt, Step Down Transformer .....	556.53	
01 22 23 00-0741 MO 150 KVA, 480-208 Volt, Step Down Transformer .....	1,668.42	
01 22 23 00-0742 WK 225 KVA, 480-208 Volt, Step Down Transformer .....	741.26	
01 22 23 00-0743 MO 225 KVA, 480-208 Volt, Step Down Transformer .....	2,223.77	
01 22 23 00-0744 WK 500 KVA, 480-208 Volt, Step Down Transformer .....	882.45	
01 22 23 00-0745 MO 500 KVA, 480-208 Volt, Step Down Transformer .....	2,647.35	
01 22 23 00-0746 WK 1,000 KVA, 4,160/480 Volt, Step Down Transformer.....	1,317.79	
01 22 23 00-0747 MO 1,000 KVA, 4,160/480 Volt, Step Down Transformer.....	3,935.73	
01 22 23 00-0748 WK 1,500 KVA, 4,160/480 Volt, Step Down Transformer.....	2,141.41	
01 22 23 00-0749 MO 1,500 KVA, 4,160/480 Volt, Step Down Transformer.....	6,418.35	
01 22 23 00-0750 WK 2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer .....	2,470.86	
01 22 23 00-0751 MO 2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer .....	7,412.58	
<b>01 22 23 00-0752 Portable Panel (01 22 23 00-0736)</b>		
01 22 23 00-0753 WK 100 Amp Portable Panel.....	276.50	
01 22 23 00-0754 MO 100 Amp Portable Panel.....	705.96	
01 22 23 00-0755 WK 200 Amp Portable Panel.....	330.62	
01 22 23 00-0756 MO 200 Amp Portable Panel.....	882.45	
01 22 23 00-0757 WK 400 Amp Portable Panel.....	352.98	
01 22 23 00-0758 MO 400 Amp Portable Panel.....	1,058.94	
<b>01 22 23 00-0759 Portable Fusible Disconnect (01 22 23 00-0736)</b>		
01 22 23 00-0760 WK 100 - 200 Amp Portable Fusible Disconnect.....	123.54	
01 22 23 00-0761 MO 100 - 200 Amp Portable Fusible Disconnect.....	370.63	
01 22 23 00-0762 WK 300 - 400 Amp Portable Fusible Disconnect.....	247.09	
01 22 23 00-0763 MO 300 - 400 Amp Portable Fusible Disconnect.....	741.26	
<b>01 22 23 00-0764 Portable Transfer Switch (01 22 23 00-0736)</b>		
01 22 23 00-0765 WK 100 Amp, 480 Volt, Portable Transfer Switch .....	370.63	
01 22 23 00-0766 MO 100 Amp, 480 Volt, Portable Transfer Switch .....	1,111.89	
01 22 23 00-0767 WK 200 Amp, 480 Volt, Portable Transfer Switch .....	494.17	
01 22 23 00-0768 MO 200 Amp, 480 Volt, Portable Transfer Switch .....	1,482.52	
01 22 23 00-0769 WK 400 Amp, 480 Volt, Portable Transfer Switch .....	617.72	
01 22 23 00-0770 MO 400 Amp, 480 Volt, Portable Transfer Switch .....	1,853.14	
<b>01 22 23 00-0771 Cabling For Generator Sets (01 22 23 00-0656)</b>		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0772 DAY #1 Banded Cable, 50' With Camlock Ends For Generator Set .....	25.89	
01 22 23 00-0773 WK #1 Banded Cable, 50' With Camlock Ends For Generator Set .....	45.30	
01 22 23 00-0774 MO #1 Banded Cable, 50' With Camlock Ends For Generator Set .....	135.90	
01 22 23 00-0775 DAY 50', 4/0 Cable With Camlock Ends For Generator Set.....	12.94	
01 22 23 00-0776 WK 50', 4/0 Cable With Camlock Ends For Generator Set.....	37.65	
01 22 23 00-0777 MO 50', 4/0 Cable With Camlock Ends For Generator Set.....	104.72	
<b>01 22 23 00-0778 Resistive Load Banks For Generator Sets (01 22 23 00-0656)</b>		
Note: Includes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0799 for reimbursable fuel fees.		
01 22 23 00-0779 DAY 100 KW A/C Resistive Load Bank .....	340.73	
01 22 23 00-0780 WK 100 KW A/C Resistive Load Bank .....	840.95	
01 22 23 00-0781 MO 100 KW A/C Resistive Load Bank .....	2,515.59	
01 22 23 00-0782 DAY 650 KW A/C Resistive Load Bank .....	574.16	
01 22 23 00-0783 WK 650 KW A/C Resistive Load Bank .....	1,535.45	
01 22 23 00-0784 MO 650 KW A/C Resistive Load Bank .....	3,914.76	
<b>01 22 23 00-0785 Sub-Distribution Panels (Spider Box) For Generator Sets (01 22 23 00-0656)</b>		
Note: Includes delivery to job site and pick-up when complete.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0786	DAY		Sub-Distribution Panel (Spider Box) .....	63.54	
01 22 23 00-0787	WK		Sub-Distribution Panel (Spider Box) .....	164.72	
01 22 23 00-0788	MO		Sub-Distribution Panel (Spider Box) .....	464.76	
<b>01 22 23 00-0789</b>			<b>Portable Distribution Panels For Generator Sets</b> (01 22 23 00-0656)		
			Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0790	DAY		200 Amp Portable Spider Box Feeder Panel .....	141.19	
01 22 23 00-0791	WK		200 Amp Portable Spider Box Feeder Panel .....	382.40	
01 22 23 00-0792	MO		200 Amp Portable Spider Box Feeder Panel .....	1,070.71	
01 22 23 00-0793	DAY		100 Amp Portable Quad Box Panel .....	115.31	
01 22 23 00-0794	WK		100 Amp Portable Quad Box Panel .....	300.03	
01 22 23 00-0795	MO		100 Amp Portable Quad Box Panel .....	853.04	
01 22 23 00-0796	DAY		200 Amp Portable Quad Box Panel .....	147.08	
01 22 23 00-0797	WK		200 Amp Portable Quad Box Panel .....	370.63	
01 22 23 00-0798	MO		200 Amp Portable Quad Box Panel .....	1,005.99	
<b>01 22 23 00-0799</b>			<b>Fuel Reimbursement For Generators</b> (01 22 23 00-0656)		
01 22 23 00-0800	EA		Fuel Reimbursement For Generators .....	1.00	
			Note: Purchases made by the contractor for fuel will be reimbursed to the Contractor at the actual cost of the purchase, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The base cost of the purchase is \$1.00, quantity will adjust cost to actual purchase cost; i.e., quantity of 125 = \$125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase.		
<b>01 22 23 00-0801</b>			<b>Welding Machines</b> (01 22 23 00-0641)		
			Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
<b>01 22 23 00-0802</b>			<b>Diesel Powered Towable Welding Machines</b> (01 22 23 00-0801)		
			Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0803	DAY		250 To 299 AMP, Diesel Powered Towable Welding Machine .....	109.18	
01 22 23 00-0804	WK		250 To 299 AMP, Diesel Powered Towable Welding Machine .....	266.88	
01 22 23 00-0805	MO		250 To 299 AMP, Diesel Powered Towable Welding Machine .....	636.88	
01 22 23 00-0806	DAY		300 To 349 AMP, Diesel Powered Towable Welding Machine .....	145.57	
01 22 23 00-0807	WK		300 To 349 AMP, Diesel Powered Towable Welding Machine .....	285.08	
01 22 23 00-0808	MO		300 To 349 AMP, Diesel Powered Towable Welding Machine .....	665.99	
01 22 23 00-0809	DAY		350 To 399 AMP, Diesel Powered Towable Welding Machine .....	151.64	
01 22 23 00-0810	WK		350 To 399 AMP, Diesel Powered Towable Welding Machine .....	303.28	
01 22 23 00-0811	MO		350 To 399 AMP, Diesel Powered Towable Welding Machine .....	739.99	
<b>01 22 23 00-0812</b>			<b>General Equipment</b> (01 22 23)		
<b>01 22 23 00-0813</b>			<b>Torch Burning</b> (01 22 23 00-0812)		
			Note: Includes delivery to job site, pick-up when complete and full time operator.		
01 22 23 00-0814	DAY		Torch Burning Package With Full Time Operator.....	548.49	
			Note: Includes torch set, regulator, hoses, oxygen tank and acetylene tank.		
			For Equipment Without Operator, Deduct .....	-518.16	
01 22 23 00-0815	WK		Torch Burning Package With Full Time Operator.....	2,681.76	
			Note: Includes torch set, regulator, hoses, oxygen tank and acetylene tank.		
			For Equipment Without Operator, Deduct .....	-2,590.78	
01 22 23 00-0816	MO		Torch Burning Package With Full Time Operator.....	11,440.12	
			Note: Includes torch set, regulator, hoses, oxygen tank and acetylene tank.		
			For Equipment Without Operator, Deduct .....	-11,167.17	
<b>01 22 23 00-0817</b>			<b>Mowers</b> (01 22 23 00-0812)		
			Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0818	DAY		21" Walk Behind Lawn Mower .....	52.55	
01 22 23 00-0819	WK		21" Walk Behind Lawn Mower .....	151.08	
01 22 23 00-0820	MO		21" Walk Behind Lawn Mower .....	308.72	
01 22 23 00-0821	DAY		32" Walk Behind Lawn Mower .....	65.68	
01 22 23 00-0822	WK		32" Walk Behind Lawn Mower .....	157.64	
01 22 23 00-0823	MO		32" Walk Behind Lawn Mower .....	328.42	
01 22 23 00-0824	DAY		36" To 48" Walk Behind Deck Mower .....	118.23	
01 22 23 00-0825	WK		36" To 48" Walk Behind Deck Mower .....	328.42	
01 22 23 00-0826	MO		36" To 48" Walk Behind Deck Mower .....	952.43	
01 22 23 00-0827	DAY		61" To 72" Walk Behind Deck Mower .....	118.23	
01 22 23 00-0828	WK		61" To 72" Walk Behind Deck Mower .....	328.42	
01 22 23 00-0829	MO		61" To 72" Walk Behind Deck Mower .....	952.43	
<b>01 22 23 00-0830</b>			<b>Jacks And Bracing</b> (01 22 23 00-0812)		
			Note: Includes delivery to job site and pick-up when complete.		
<b>01 22 23 00-0831</b>			<b>Manual Hydraulic Jacks</b> (01 22 23 00-0830)		
01 22 23 00-0832	DAY		12 Ton Manual Hydraulic Bottle Jack.....	1.68	
01 22 23 00-0833	WK		12 Ton Manual Hydraulic Bottle Jack.....	7.98	
01 22 23 00-0834	MO		12 Ton Manual Hydraulic Bottle Jack.....	28.68	
01 22 23 00-0835	DAY		20 Ton Manual Hydraulic Bottle Jack.....	2.94	
01 22 23 00-0836	WK		20 Ton Manual Hydraulic Bottle Jack.....	9.24	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0837	MO		20 Ton Manual Hydraulic Bottle Jack .....	34.98	
01 22 23 00-0838	DAY		50 Ton Manual Hydraulic Bottle Jack .....	10.50	
01 22 23 00-0839	WK		50 Ton Manual Hydraulic Bottle Jack .....	40.75	
01 22 23 00-0840	MO		50 Ton Manual Hydraulic Bottle Jack .....	146.59	
01 22 23 00-0841	DAY		100 Ton Manual Hydraulic Bottle Jack .....	14.70	
01 22 23 00-0842	WK		100 Ton Manual Hydraulic Bottle Jack .....	58.80	
01 22 23 00-0843	MO		100 Ton Manual Hydraulic Bottle Jack .....	211.81	
<b>01 22 23 00-0844</b>			<b>Manual Screw Jacks</b> (01 22 23 00-0830)		
01 22 23 00-0845	DAY		10 To 20 Ton Manual Screw Jack .....	15.36	
01 22 23 00-0846	WK		10 To 20 Ton Manual Screw Jack .....	41.35	
01 22 23 00-0847	MO		10 To 20 Ton Manual Screw Jack .....	114.61	
<b>01 22 23 00-0848</b>			<b>Pressure Washers</b> (01 22 23 00-0812)		
Note: Includes full-time operator, delivery, set-up, and removal.					
01 22 23 00-0849	DAY		2,000 PSI Pressure Washer With Full-Time Operator .....	414.51	
For Equipment Without Operator, Deduct				-309.18	
01 22 23 00-0850	WK		2,000 PSI Pressure Washer With Full-Time Operator .....	1,813.28	
For Equipment Without Operator, Deduct				-1,545.91	
01 22 23 00-0851	MO		2,000 PSI Pressure Washer With Full-Time Operator .....	7,343.97	
For Equipment Without Operator, Deduct				-6,663.40	
01 22 23 00-0852	DAY		2,500 PSI Pressure Washer With Full-Time Operator .....	394.57	
For Equipment Without Operator, Deduct				-309.18	
01 22 23 00-0853	WK		2,500 PSI Pressure Washer With Full-Time Operator .....	1,762.67	
For Equipment Without Operator, Deduct				-1,545.91	
01 22 23 00-0854	MO		2,500 PSI Pressure Washer With Full-Time Operator .....	7,215.15	
For Equipment Without Operator, Deduct				-6,663.40	
01 22 23 00-0855	DAY		3,000 PSI Pressure Washer With Full-Time Operator .....	414.51	
For Equipment Without Operator, Deduct				-309.18	
01 22 23 00-0856	WK		3,000 PSI Pressure Washer With Full-Time Operator .....	1,813.28	
For Equipment Without Operator, Deduct				-1,545.91	
01 22 23 00-0857	MO		3,000 PSI Pressure Washer With Full-Time Operator .....	7,343.97	
For Equipment Without Operator, Deduct				-6,663.40	
01 22 23 00-0858	DAY		3,500 PSI Pressure Washer With Full-Time Operator .....	401.14	
For Equipment Without Operator, Deduct				-309.18	
01 22 23 00-0859	WK		3,500 PSI Pressure Washer With Full-Time Operator .....	1,782.38	
For Equipment Without Operator, Deduct				-1,545.91	
01 22 23 00-0860	MO		3,500 PSI Pressure Washer With Full-Time Operator .....	7,267.70	
For Equipment Without Operator, Deduct				-6,663.40	
01 22 23 00-0861	DAY		4,000 PSI Pressure Washer With Full-Time Operator .....	455.02	
For Equipment Without Operator, Deduct				-309.18	
01 22 23 00-0862	WK		4,000 PSI Pressure Washer With Full-Time Operator .....	1,942.91	
For Equipment Without Operator, Deduct				-1,545.91	
01 22 23 00-0863	MO		4,000 PSI Pressure Washer With Full-Time Operator .....	7,773.37	
For Equipment Without Operator, Deduct				-6,663.40	
01 22 23 00-0864	DAY		5,000 PSI Pressure Washer With Full-Time Operator .....	440.55	
For Equipment Without Operator, Deduct				-309.18	
01 22 23 00-0865	WK		5,000 PSI Pressure Washer With Full-Time Operator .....	1,900.61	
For Equipment Without Operator, Deduct				-1,545.91	
01 22 23 00-0866	MO		5,000 PSI Pressure Washer With Full-Time Operator .....	7,661.81	
For Equipment Without Operator, Deduct				-6,663.40	
<b>01 22 23 00-0867</b>			<b>Confined Space Entry Equipment</b> (01 22 23 00-0812)		
Note: Includes delivery, set-up, and removal.					
01 22 23 00-0868	DAY		Ventilation Equipment For Confined Space .....	45.24	
Note: Includes electric or gas blower and ventilation duct up to 25'.					
01 22 23 00-0869	WK		Ventilation Equipment For Confined Space .....	135.71	
Note: Includes electric or gas blower and ventilation duct up to 25'.					
01 22 23 00-0870	MO		Ventilation Equipment For Confined Space .....	404.99	
Note: Includes electric or gas blower and ventilation duct up to 25'.					
01 22 23 00-0871	DAY		Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly .....	35.93	
01 22 23 00-0872	WK		Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly .....	107.80	
01 22 23 00-0873	MO		Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly .....	323.40	
01 22 23 00-0874	DAY		Confined Space Air Monitor Personnel .....	337.38	
Note: Per person day.					
<b>01 22 23 00-0875</b>			<b>High Volume Vacuums</b> (01 22 23 00-0812)		
Note: Includes delivery, set up, and operator.					
01 22 23 00-0876	DAY		500 Gallon High Volume Vacuum With Full-Time Operator .....	993.69	
For Equipment Without Operator, Deduct				-674.77	
01 22 23 00-0877	WK		500 Gallon High Volume Vacuum With Full-Time Operator .....	3,423.38	
For Equipment Without Operator, Deduct				-2,530.39	
01 22 23 00-0878	MO		500 Gallon High Volume Vacuum With Full-Time Operator .....	11,918.02	
For Equipment Without Operator, Deduct				-8,856.34	
<b>01 22 23 00-0879</b>			<b>Portable Floor Drying Fans</b> (01 22 23 00-0812)		
Note: Includes delivery to job site and pick-up when complete. Excludes operator.					
01 22 23 00-0880	DAY		2,250 CFM Portable Floor Drying Fan .....	18.28	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0881	WK		2,250 CFM Portable Floor Drying Fan .....	84.57	
01 22 23 00-0882	MO		2,250 CFM Portable Floor Drying Fan .....	279.99	
<b>01 22 23 00-0883</b>			<b>Portable Dehumidifiers</b> (01 22 23 00-0812) Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0884	DAY		7.5 To 10 Gallons Per Day, Portable Dehumidifier .....	48.53	
01 22 23 00-0885	WK		7.5 To 10 Gallons Per Day, Portable Dehumidifier .....	158.81	
01 22 23 00-0886	MO		7.5 To 10 Gallons Per Day, Portable Dehumidifier .....	449.97	
01 22 23 00-0887	DAY		16 To 25 Gallons Per Day, Portable Dehumidifier .....	71.47	
01 22 23 00-0888	WK		16 To 25 Gallons Per Day, Portable Dehumidifier .....	229.40	
01 22 23 00-0889	MO		16 To 25 Gallons Per Day, Portable Dehumidifier .....	639.67	
<b>01 22 23 00-0890</b>			<b>Portable Fume Extractors</b> (01 22 23 00-0812) Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0891	DAY		Portable Fume Extractor .....	29.08	
01 22 23 00-0892	WK		Portable Fume Extractor .....	87.25	
<b>01 22 23 00-0893</b>			<b>Ground Thaw Mobile Equipment And Blankets</b> (01 22 23 00-0812) Note: Rental includes self contained boiler equipment with manifold, fuel, all hoses and blankets. Includes delivery to job site and pick-up when complete.		
01 22 23 00-0894	DAY		Up To 2,500 SF Ground Area, Portable Ground Heater For Ground Thaw .....	448.86	
			Note: Up to 5,000 SF concrete curing area.		
01 22 23 00-0895	WK		Up To 2,500 SF Ground Area, Portable Ground Heater For Ground Thaw .....	1,454.44	
			Note: Up to 5,000 SF concrete curing area.		
01 22 23 00-0896	MO		Up To 2,500 SF Ground Area, Portable Ground Heater For Ground Thaw .....	5,090.54	
			Note: Up to 5,000 SF concrete curing area.		
01 22 23 00-0897	DAY		>2,500 To 3,500 SF Ground Area, Portable Ground Heater For Ground Thaw .....	852.48	
			Note: >5,000 to 7,000 SF concrete curing area.		
01 22 23 00-0898	WK		>2,500 To 3,500 SF Ground Area, Portable Ground Heater For Ground Thaw .....	2,203.70	
			Note: >5,000 to 7,000 SF concrete curing area.		
01 22 23 00-0899	MO		>2,500 To 3,500 SF Ground Area, Portable Ground Heater For Ground Thaw .....	5,480.24	
			Note: >5,000 to 7,000 SF concrete curing area.		
01 22 23 00-0900	DAY		>4,000 To 5,000 SF Ground Area, Portable Ground Heater For Ground Thaw .....	1,043.86	
			Note: >8,000 to 10,000 SF concrete curing area.		
01 22 23 00-0901	WK		>4,000 To 5,000 SF Ground Area, Portable Ground Heater For Ground Thaw .....	2,783.62	
			Note: >8,000 to 10,000 SF concrete curing area.		
01 22 23 00-0902	MO		>4,000 To 5,000 SF Ground Area, Portable Ground Heater For Ground Thaw .....	5,940.49	
			Note: >8,000 to 10,000 SF concrete curing area.		
01 22 23 00-0903	DAY		>5,000 To 6,000 SF Ground Area, Portable Ground Heater For Ground Thaw .....	1,312.73	
			Note: 10,000 to 12,000 SF concrete curing area.		
01 22 23 00-0904	WK		>5,000 To 6,000 SF Ground Area, Portable Ground Heater For Ground Thaw .....	3,038.78	
			Note: 10,000 to 12,000 SF concrete curing area.		
01 22 23 00-0905	MO		>5,000 To 6,000 SF Ground Area, Portable Ground Heater For Ground Thaw .....	7,915.91	
			Note: 10,000 To 12,000 SF concrete curing area.		
01 22 23 00-0906	DAY		11,000 To 12,000 SF Ground Area, Portable Ground Heater For Ground Thaw .....	1,646.97	
			Note: 22,000 to 24,000 SF concrete curing area.		
01 22 23 00-0907	WK		11,000 To 12,000 SF Ground Area, Portable Ground Heater For Ground Thaw .....	3,880.82	
			Note: 22,000 to 24,000 SF concrete curing area.		
01 22 23 00-0908	MO		11,000 To 12,000 SF Ground Area, Portable Ground Heater For Ground Thaw .....	8,612.97	
			Note: 22,000 to 24,000 SF concrete curing area.		
01 22 23 00-0909	CSF		Place Hoses And Blankets Over Area .....	15.59	
			Note: Lay hose in loops, 24" on center, over area. Cover the hose with construction blankets.		
<b>01 22 23 00-0910</b>			<b>Space Heaters</b> (01 22 23 00-0812) Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0911	DAY		150,000 BTU/Hour Space Heater .....	62.77	
01 22 23 00-0912	WK		150,000 BTU/Hour Space Heater .....	180.46	
01 22 23 00-0913	MO		150,000 BTU/Hour Space Heater .....	509.99	
01 22 23 00-0914	DAY		500,000 BTU/Hour Space Heater .....	133.38	
01 22 23 00-0915	WK		500,000 BTU/Hour Space Heater .....	329.53	
01 22 23 00-0916	MO		500,000 BTU/Hour Space Heater .....	833.25	
<b>01 22 23 00-0917</b>			<b>Marine Equipment</b> (01 22 23)		
<b>01 22 23 00-0918</b>			<b>Barge And Tug Boat Rental</b> (01 22 23 00-0917)		
01 22 23 00-0919	DAY		50' Deck Cargo Barge .....	649.82	
01 22 23 00-0920	DAY		90' Deck Cargo Barge .....	922.52	
01 22 23 00-0921	DAY		160' Deck Cargo Barge .....	1,357.67	
01 22 23 00-0922	DAY		200' Deck Cargo Barge .....	2,059.71	
01 22 23 00-0923	DAY		Barge Rental With Mounted Crane And Full-time Operator .....	1,942.75	
			Note: Including barge.		
01 22 23 00-0924	HR		400 HP Tug Boat With Operator .....	115.35	
01 22 23 00-0925	HR		500 To 800 HP Tug Boat With Operator .....	160.34	
<b>01 22 23 00-0926</b>			<b>Material Handling Equipment</b> (01 22 23)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>01 22 23 00-0927</b>			<b>Truck Mounted Hydraulic Cranes</b> <small>(01 22 23 00-0926)</small>		
			Note: Includes full-time operator. Include delivery, set-up, rigging, and removal time in rental period. Excludes lattice boom extension.		
01 22 23 00-0928	DAY	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	848.10		
		<i>For Equipment Without Operator, Deduct</i>	-414.09		
01 22 23 00-0929	WK	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,385.24		
		<i>For Equipment Without Operator, Deduct</i>	-2,070.44		
01 22 23 00-0930	MO	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	12,881.48		
		<i>For Equipment Without Operator, Deduct</i>	-8,924.33		
01 22 23 00-0931	DAY	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	962.99		
		<i>For Equipment Without Operator, Deduct</i>	-414.09		
01 22 23 00-0932	WK	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,726.70		
		<i>For Equipment Without Operator, Deduct</i>	-2,070.44		
01 22 23 00-0933	MO	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	13,902.68		
		<i>For Equipment Without Operator, Deduct</i>	-8,924.33		
01 22 23 00-0934	DAY	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,077.87		
		<i>For Equipment Without Operator, Deduct</i>	-414.09		
01 22 23 00-0935	WK	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,068.16		
		<i>For Equipment Without Operator, Deduct</i>	-2,070.44		
01 22 23 00-0936	MO	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	14,923.88		
		<i>For Equipment Without Operator, Deduct</i>	-8,924.33		
01 22 23 00-0937	DAY	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,231.05		
		<i>For Equipment Without Operator, Deduct</i>	-414.09		
01 22 23 00-0938	WK	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,527.70		
		<i>For Equipment Without Operator, Deduct</i>	-2,070.44		
01 22 23 00-0939	MO	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	16,296.12		
		<i>For Equipment Without Operator, Deduct</i>	-8,924.33		
01 22 23 00-0940	DAY	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,371.47		
		<i>For Equipment Without Operator, Deduct</i>	-414.09		
01 22 23 00-0941	WK	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	5,478.70		
		<i>For Equipment Without Operator, Deduct</i>	-2,070.44		
01 22 23 00-0942	MO	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	19,146.54		
		<i>For Equipment Without Operator, Deduct</i>	-8,924.33		
01 22 23 00-0943	DAY	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,703.35		
		<i>For Equipment Without Operator, Deduct</i>	-414.09		
01 22 23 00-0944	WK	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	6,665.84		
		<i>For Equipment Without Operator, Deduct</i>	-2,070.44		
01 22 23 00-0945	MO	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	22,710.53		
		<i>For Equipment Without Operator, Deduct</i>	-8,924.33		
01 22 23 00-0946	DAY	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,913.98		
		<i>For Equipment Without Operator, Deduct</i>	-414.09		
01 22 23 00-0947	WK	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	7,406.21		
		<i>For Equipment Without Operator, Deduct</i>	-2,070.44		
01 22 23 00-0948	MO	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	24,936.75		
		<i>For Equipment Without Operator, Deduct</i>	-8,924.33		
01 22 23 00-0949	DAY	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,079.92		
		<i>For Equipment Without Operator, Deduct</i>	-414.09		
01 22 23 00-0950	WK	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	8,006.16		
		<i>For Equipment Without Operator, Deduct</i>	-2,070.44		
01 22 23 00-0951	MO	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	26,734.06		
		<i>For Equipment Without Operator, Deduct</i>	-8,924.33		
01 22 23 00-0952	DAY	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,245.87		
		<i>For Equipment Without Operator, Deduct</i>	-414.09		
01 22 23 00-0953	WK	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	8,606.12		
		<i>For Equipment Without Operator, Deduct</i>	-2,070.44		
01 22 23 00-0954	MO	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	28,531.37		
		<i>For Equipment Without Operator, Deduct</i>	-8,924.33		
01 22 23 00-0955	DAY	90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,354.37		
		<i>For Equipment Without Operator, Deduct</i>	-414.09		
01 22 23 00-0956	WK	90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	8,976.30		
		<i>For Equipment Without Operator, Deduct</i>	-2,070.44		
01 22 23 00-0957	MO	90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	29,654.69		
		<i>For Equipment Without Operator, Deduct</i>	-8,924.33		
01 22 23 00-0958	DAY	100 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,466.12		
		<i>For Equipment Without Operator, Deduct</i>	-379.04		
01 22 23 00-0959	WK	100 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	9,349.94		
		<i>For Equipment Without Operator, Deduct</i>	-1,895.18		
01 22 23 00-0960	MO	100 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	30,533.14		
		<i>For Equipment Without Operator, Deduct</i>	-8,168.86		

<b>01 22 23 00-0961</b>			<b>Cable Controlled Lattice Boom, Truck Mounted Mechanical Cranes</b> <small>(01 22 23 00-0926)</small>		
			Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0962	DAY	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	1,945.89		
		<i>For Equipment Without Operator, Deduct</i>	-414.09		
01 22 23 00-0963	WK	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	7,533.86		
		<i>For Equipment Without Operator, Deduct</i>	-2,070.44		
01 22 23 00-0964	MO	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	25,314.59		
		<i>For Equipment Without Operator, Deduct</i>	-8,924.33		
01 22 23 00-0965	DAY	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	3,126.65		
		<i>For Equipment Without Operator, Deduct</i>	-414.09		
01 22 23 00-0966	WK	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	9,499.67		
		<i>For Equipment Without Operator, Deduct</i>	-2,070.44		

<b>01</b>	<b>General Requirements</b>
<b>01 20</b>	<b>Price And Payment Procedures</b>
<b>01 22</b>	<b>Unit Prices</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0967	MO		100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	31,212.02	
			<i>For Equipment Without Operator, Deduct</i>	-8,924.33	
01 22 23 00-0968	DAY		125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	3,318.13	
			<i>For Equipment Without Operator, Deduct</i>	-414.09	
01 22 23 00-0969	WK		125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	10,897.44	
			<i>For Equipment Without Operator, Deduct</i>	-2,070.44	
01 22 23 00-0970	MO		125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	35,404.05	
			<i>For Equipment Without Operator, Deduct</i>	-8,924.33	
01 22 23 00-0971	DAY		150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	3,701.08	
			<i>For Equipment Without Operator, Deduct</i>	-414.09	
01 22 23 00-0972	WK		150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	12,295.20	
			<i>For Equipment Without Operator, Deduct</i>	-2,070.44	
01 22 23 00-0973	MO		150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	39,590.97	
			<i>For Equipment Without Operator, Deduct</i>	-8,924.33	
01 22 23 00-0974	DAY		250 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	4,064.88	
			<i>For Equipment Without Operator, Deduct</i>	-414.09	
01 22 23 00-0975	WK		250 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	15,090.74	
			<i>For Equipment Without Operator, Deduct</i>	-2,070.44	
01 22 23 00-0976	MO		250 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	47,985.23	
			<i>For Equipment Without Operator, Deduct</i>	-8,924.33	
01 22 23 00-0977	DAY		300 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	4,664.83	
			<i>For Equipment Without Operator, Deduct</i>	-414.09	
01 22 23 00-0978	WK		300 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	17,241.64	
			<i>For Equipment Without Operator, Deduct</i>	-2,070.44	
01 22 23 00-0979	MO		300 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	54,429.00	
			<i>For Equipment Without Operator, Deduct</i>	-8,924.33	
01 22 23 00-0980	DAY		500 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	8,353.92	
			<i>For Equipment Without Operator, Deduct</i>	-414.09	
01 22 23 00-0981	WK		500 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	30,389.59	
			<i>For Equipment Without Operator, Deduct</i>	-2,070.44	
01 22 23 00-0982	MO		500 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....	93,888.17	
			<i>For Equipment Without Operator, Deduct</i>	-8,924.33	
<b>01 22 23 00-0983</b>			<b>Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklifts</b> (01 22 23 00-0926)		
			Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0984	DAY		5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	828.45	
			<i>For Equipment Without Operator, Deduct</i>	-337.38	
01 22 23 00-0985	WK		5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	2,888.76	
			<i>For Equipment Without Operator, Deduct</i>	-1,686.92	
01 22 23 00-0986	MO		5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	9,855.82	
			<i>For Equipment Without Operator, Deduct</i>	-7,271.22	
01 22 23 00-0987	DAY		6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	880.15	
			<i>For Equipment Without Operator, Deduct</i>	-337.38	
01 22 23 00-0988	WK		6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	3,005.07	
			<i>For Equipment Without Operator, Deduct</i>	-1,686.92	
01 22 23 00-0989	MO		6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	10,114.28	
			<i>For Equipment Without Operator, Deduct</i>	-7,271.22	
01 22 23 00-0990	DAY		8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	867.22	
			<i>For Equipment Without Operator, Deduct</i>	-337.38	
01 22 23 00-0991	WK		8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	3,063.22	
			<i>For Equipment Without Operator, Deduct</i>	-1,686.92	
01 22 23 00-0992	MO		8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	10,501.97	
			<i>For Equipment Without Operator, Deduct</i>	-7,271.22	
01 22 23 00-0993	DAY		10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	1,015.84	
			<i>For Equipment Without Operator, Deduct</i>	-337.38	
01 22 23 00-0994	WK		10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	3,450.91	
			<i>For Equipment Without Operator, Deduct</i>	-1,686.92	
01 22 23 00-0995	MO		10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator.....	11,406.58	
			<i>For Equipment Without Operator, Deduct</i>	-7,271.22	
<b>01 22 23 00-0996</b>			<b>Straight Mast, Rough Terrain Construction Forklifts</b> (01 22 23 00-0926)		
			Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0997	DAY		5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	656.58	
			<i>For Equipment Without Operator, Deduct</i>	-337.38	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	63.84	
01 22 23 00-0998	WK		5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	2,558.58	
			<i>For Equipment Without Operator, Deduct</i>	-1,686.92	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	174.33	
01 22 23 00-0999	MO		5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	9,266.21	
			<i>For Equipment Without Operator, Deduct</i>	-7,271.22	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	399.00	
01 22 23 00-1000	DAY		6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	673.38	
			<i>For Equipment Without Operator, Deduct</i>	-337.38	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	67.20	
01 22 23 00-1001	WK		6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	2,604.45	
			<i>For Equipment Without Operator, Deduct</i>	-1,686.92	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	183.51	
01 22 23 00-1002	MO		6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	9,371.21	
			<i>For Equipment Without Operator, Deduct</i>	-7,271.22	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	420.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1003 DAY 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	763.84	
<i>For Equipment Without Operator, Deduct</i>	-337.38	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	85.29	
01 22 23 00-1004 WK 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	2,856.45	
<i>For Equipment Without Operator, Deduct</i>	-1,686.92	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	233.91	
01 22 23 00-1005 MO 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	9,952.74	
<i>For Equipment Without Operator, Deduct</i>	-7,271.22	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	536.30	
01 22 23 00-1006 DAY 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	813.66	
<i>For Equipment Without Operator, Deduct</i>	-337.38	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	95.26	
01 22 23 00-1007 WK 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	2,834.87	
<i>For Equipment Without Operator, Deduct</i>	-1,686.92	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	229.59	
01 22 23 00-1008 MO 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	10,128.88	
<i>For Equipment Without Operator, Deduct</i>	-7,271.22	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	571.53	
01 22 23 00-1009 DAY 12,000 To 14,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	908.91	
<i>For Equipment Without Operator, Deduct</i>	-337.38	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	114.31	
01 22 23 00-1010 WK 12,000 To 14,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	3,064.46	
<i>For Equipment Without Operator, Deduct</i>	-1,686.92	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	275.51	
01 22 23 00-1011 MO 12,000 To 14,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	10,700.42	
<i>For Equipment Without Operator, Deduct</i>	-7,271.22	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	685.84	
<b>01 22 23 00-1012 Straight Mast, Industrial Warehouse Forklifts</b> <small>(01 22 23 00-0926)</small>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-1013 DAY 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	608.76	
<i>For Equipment Without Operator, Deduct</i>	-337.38	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	54.28	
01 22 23 00-1014 WK 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	2,307.22	
<i>For Equipment Without Operator, Deduct</i>	-1,686.92	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	124.06	
01 22 23 00-1015 MO 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	8,757.36	
<i>For Equipment Without Operator, Deduct</i>	-7,271.22	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	297.23	
01 22 23 00-1016 DAY 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	615.22	
<i>For Equipment Without Operator, Deduct</i>	-337.38	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	55.57	
01 22 23 00-1017 WK 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	2,326.61	
<i>For Equipment Without Operator, Deduct</i>	-1,686.92	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	127.94	
01 22 23 00-1018 MO 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	8,802.60	
<i>For Equipment Without Operator, Deduct</i>	-7,271.22	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	306.28	
01 22 23 00-1019 DAY 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	750.92	
<i>For Equipment Without Operator, Deduct</i>	-337.38	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	82.71	
01 22 23 00-1020 WK 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	2,623.84	
<i>For Equipment Without Operator, Deduct</i>	-1,686.92	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	187.38	
01 22 23 00-1021 MO 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	9,532.74	
<i>For Equipment Without Operator, Deduct</i>	-7,271.22	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	452.30	
01 22 23 00-1022 DAY 12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	763.84	
<i>For Equipment Without Operator, Deduct</i>	-337.38	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	85.29	
01 22 23 00-1023 WK 12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	2,733.68	
<i>For Equipment Without Operator, Deduct</i>	-1,686.92	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	209.35	
01 22 23 00-1024 MO 12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	9,920.44	
<i>For Equipment Without Operator, Deduct</i>	-7,271.22	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	529.84	
01 22 23 00-1025 DAY 15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	880.15	
<i>For Equipment Without Operator, Deduct</i>	-337.38	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	108.55	
01 22 23 00-1026 WK 15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	2,921.07	
<i>For Equipment Without Operator, Deduct</i>	-1,686.92	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	246.83	
01 22 23 00-1027 MO 15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	10,243.51	
<i>For Equipment Without Operator, Deduct</i>	-7,271.22	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	594.46	
<b>01 22 23 00-1028 Chain Hoists</b> <small>(01 22 23 00-0926)</small>		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-1029 DAY 1 Ton, 20' Lift, Manual Chain Hoist.....	12.60	
01 22 23 00-1030 WK 1 Ton, 20' Lift, Manual Chain Hoist.....	32.76	
01 22 23 00-1031 MO 1 Ton, 20' Lift, Manual Chain Hoist.....	97.02	
01 22 23 00-1032 DAY 3 Ton, 20' Lift, Manual Chain Hoist.....	35.28	
01 22 23 00-1033 WK 3 Ton, 20' Lift, Manual Chain Hoist.....	83.16	





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1034	MO		3 Ton, 20' Lift, Manual Chain Hoist.....	233.10	
01 22 23 00-1035	DAY		5 Ton, 20' Lift, Manual Chain Hoist.....	45.36	
01 22 23 00-1036	WK		5 Ton, 20' Lift, Manual Chain Hoist.....	122.22	
01 22 23 00-1037	MO		5 Ton, 20' Lift, Manual Chain Hoist.....	340.20	
01 22 23 00-1038	DAY		2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	89.46	
01 22 23 00-1039	WK		2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	233.10	
01 22 23 00-1040	MO		2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	630.00	
01 22 23 00-1041	DAY		3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	90.72	
01 22 23 00-1042	WK		3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	242.55	
01 22 23 00-1043	MO		3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	661.50	
01 22 23 00-1044	DAY		5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	93.24	
01 22 23 00-1045	WK		5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	261.45	
01 22 23 00-1046	MO		5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist.....	724.50	
<b>01 22 23 00-1047</b>			<b>Roof Swing Hoist</b> (01 22 23 00-0926)		
01 22 23 00-1048	DAY		Up To 400#, Manual Swing Roof Hoist.....	56.17	
01 22 23 00-1049	WK		Up To 400#, Manual Swing Roof Hoist.....	196.60	
01 22 23 00-1050	MO		Up To 400#, Manual Swing Roof Hoist.....	674.04	
<b>01 22 23 00-1051</b>			<b>Pumping Equipment</b> (01 22 23)		
<b>01 22 23 00-1052</b>			<b>Gas Powered Portable Centrifugal Pumps</b> (01 22 23 00-1051)		
			Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-1076 for larger diameter pumps.		
01 22 23 00-1053	DAY		8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump.....	56.47	
01 22 23 00-1054	WK		8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump.....	127.05	
01 22 23 00-1055	MO		8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump.....	338.81	
01 22 23 00-1056	DAY		16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump.....	67.76	
01 22 23 00-1057	WK		16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump.....	152.46	
01 22 23 00-1058	MO		16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump.....	406.57	
<b>01 22 23 00-1059</b>			<b>Gas Powered Portable Diaphragm Pumps</b> (01 22 23 00-1051)		
			Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1060	DAY		3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump.....	64.94	
01 22 23 00-1061	WK		3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump.....	183.52	
01 22 23 00-1062	MO		3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump.....	465.86	
01 22 23 00-1063	DAY		5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump.....	79.06	
01 22 23 00-1064	WK		5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump.....	211.76	
01 22 23 00-1065	MO		5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump.....	599.97	
<b>01 22 23 00-1066</b>			<b>Gas Powered Portable Trash Pumps</b> (01 22 23 00-1051)		
			Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1067	DAY		12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	81.88	
01 22 23 00-1068	WK		12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	169.40	
01 22 23 00-1069	MO		12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	508.21	
01 22 23 00-1070	DAY		25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	81.88	
01 22 23 00-1071	WK		25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	218.81	
01 22 23 00-1072	MO		25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	599.97	
01 22 23 00-1073	DAY		35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	129.88	
01 22 23 00-1074	WK		35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	367.04	
01 22 23 00-1075	MO		35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	1,065.83	
<b>01 22 23 00-1076</b>			<b>Diesel Powered Portable Trash Pumps</b> (01 22 23 00-1051)		
			Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1077	DAY		63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump.....	254.11	
01 22 23 00-1078	WK		63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump.....	691.73	
01 22 23 00-1079	MO		63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump.....	3,013.98	
01 22 23 00-1080	DAY		156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump.....	388.22	
01 22 23 00-1081	WK		156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump.....	1,016.42	
01 22 23 00-1082	MO		156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump.....	2,703.41	
01 22 23 00-1083	DAY		246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump.....	527.98	
01 22 23 00-1084	WK		246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump.....	1,413.11	
01 22 23 00-1085	MO		246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump.....	3,780.53	
01 22 23 00-1086	DAY		379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump.....	683.26	
01 22 23 00-1087	WK		379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump.....	1,744.86	
01 22 23 00-1088	MO		379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump.....	5,124.47	
<b>01 22 23 00-1089</b>			<b>Diesel Powered Portable Silenced Environmental Trash Pumps</b> (01 22 23 00-1051)		
			Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1090	DAY		90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	362.81	
01 22 23 00-1091	WK		90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	825.84	
01 22 23 00-1092	MO		90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	2,574.94	
01 22 23 00-1093	DAY		136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	444.69	
01 22 23 00-1094	WK		136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	1,108.18	
01 22 23 00-1095	MO		136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	3,013.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1096 DAY 246,000 GPH, 10' Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	536.45	
01 22 23 00-1097 WK 246,000 GPH, 10' Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	1,586.75	
01 22 23 00-1098 MO 246,000 GPH, 10' Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	4,425.68	
01 22 23 00-1099 DAY 510,000 GPH, 12' Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	807.49	
01 22 23 00-1100 WK 510,000 GPH, 12' Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	2,062.49	
01 22 23 00-1101 MO 510,000 GPH, 12' Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	6,056.19	
<b>01 22 23 00-1102 3 Phase Electric Submersible Pumps (01 22 23 00-1051)</b> Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1103 DAY 24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump.....	141.17	
01 22 23 00-1104 WK 24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump.....	352.92	
01 22 23 00-1105 MO 24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump.....	1,058.78	
01 22 23 00-1106 DAY 49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump.....	186.34	
01 22 23 00-1107 WK 49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump.....	465.86	
01 22 23 00-1108 MO 49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump.....	1,397.58	
<b>01 22 23 00-1109 Suction Hose With Couplings (01 22 23 00-1051)</b> Note: Includes delivery, set-up, and removal.		
01 22 23 00-1110 DAY Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	6.00	
01 22 23 00-1111 WK Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	15.00	
01 22 23 00-1112 MO Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	46.00	
01 22 23 00-1113 DAY 3" Inside Diameter, 20' Length, Suction Hose With Couplings.....	16.00	
01 22 23 00-1114 WK 3" Inside Diameter, 20' Length, Suction Hose With Couplings.....	41.00	
01 22 23 00-1115 MO 3" Inside Diameter, 20' Length, Suction Hose With Couplings.....	125.00	
01 22 23 00-1116 DAY 4" Inside Diameter, 20' Length, Suction Hose With Couplings.....	24.00	
01 22 23 00-1117 WK 4" Inside Diameter, 20' Length, Suction Hose With Couplings.....	61.00	
01 22 23 00-1118 MO 4" Inside Diameter, 20' Length, Suction Hose With Couplings.....	185.00	
01 22 23 00-1119 DAY 6" Inside Diameter, 20' Length, Suction Hose With Couplings.....	30.00	
01 22 23 00-1120 WK 6" Inside Diameter, 20' Length, Suction Hose With Couplings.....	75.00	
01 22 23 00-1121 MO 6" Inside Diameter, 20' Length, Suction Hose With Couplings.....	220.00	
01 22 23 00-1122 DAY 10" Inside Diameter, 20' Length, Suction Hose With Couplings.....	70.00	
01 22 23 00-1123 WK 10" Inside Diameter, 20' Length, Suction Hose With Couplings.....	180.00	
01 22 23 00-1124 MO 10" Inside Diameter, 20' Length, Suction Hose With Couplings.....	530.00	
01 22 23 00-1125 DAY 12" Inside Diameter, 20' Length, Suction Hose With Couplings.....	94.00	
01 22 23 00-1126 WK 12" Inside Diameter, 20' Length, Suction Hose With Couplings.....	205.00	
01 22 23 00-1127 MO 12" Inside Diameter, 20' Length, Suction Hose With Couplings.....	615.00	
<b>01 22 23 00-1128 Discharge Hose With Couplings (01 22 23 00-1051)</b> Note: Includes delivery, set-up, and removal.		
01 22 23 00-1129 DAY 1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	6.00	
01 22 23 00-1130 WK 1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	15.00	
01 22 23 00-1131 MO 1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	46.00	
01 22 23 00-1132 DAY 2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	7.00	
01 22 23 00-1133 WK 2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	17.00	
01 22 23 00-1134 MO 2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	53.00	
01 22 23 00-1135 DAY 3" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	8.00	
01 22 23 00-1136 WK 3" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	20.00	
01 22 23 00-1137 MO 3" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	61.00	
01 22 23 00-1138 DAY 4" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	21.00	
01 22 23 00-1139 WK 4" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	54.00	
01 22 23 00-1140 MO 4" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	155.00	
01 22 23 00-1141 DAY 6" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	26.00	
01 22 23 00-1142 WK 6" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	71.00	
01 22 23 00-1143 MO 6" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	195.00	
01 22 23 00-1144 DAY 10" Inside Diameter, 10' Length, Discharge Hose With Couplings.....	20.00	
01 22 23 00-1145 WK 10" Inside Diameter, 10' Length, Discharge Hose With Couplings.....	50.00	
01 22 23 00-1146 MO 10" Inside Diameter, 10' Length, Discharge Hose With Couplings.....	150.00	
01 22 23 00-1147 DAY 12" Inside Diameter, 10' Length, Discharge Hose With Couplings.....	51.00	
01 22 23 00-1148 WK 12" Inside Diameter, 10' Length, Discharge Hose With Couplings.....	130.00	
01 22 23 00-1149 MO 12" Inside Diameter, 10' Length, Discharge Hose With Couplings.....	385.00	
<b>01 22 23 00-1150 Hydraulic Submersible Pumps (01 22 23 00-1051)</b>		
<b>01 22 23 00-1151 Hydraulic Submersible Pumps (01 22 23 00-1150)</b> Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1152 DAY 60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump.....	93.17	
01 22 23 00-1153 WK 60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump.....	249.87	
01 22 23 00-1154 MO 60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump.....	698.79	
01 22 23 00-1155 DAY 132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump.....	118.58	
01 22 23 00-1156 WK 132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump.....	304.93	
01 22 23 00-1157 MO 132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump.....	931.72	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>01 22 23 00-1158</b>	<b>Hydraulic Submersible Pump Diesel Power Packs</b> (01 22 23 00-1150)	
	Note: Includes delivery, set-up, and removal. Excludes operator.	
01 22 23 00-1159	DAY 100 HP, Hydraulic Submersible Pump Diesel Power Pack.....	215.28
01 22 23 00-1160	WK 100 HP, Hydraulic Submersible Pump Diesel Power Pack.....	642.32
01 22 23 00-1161	MO 100 HP, Hydraulic Submersible Pump Diesel Power Pack.....	1,694.04

<b>01 22 23 00-1162</b>	<b>HDPE Pipe With Couplings</b> (01 22 23 00-1051)	
	Note: Includes delivery, set-up, and removal.	
01 22 23 00-1163	DAY 4" x 20' HDPE Pipe With Couplings.....	6.25
01 22 23 00-1164	WK 4" x 20' HDPE Pipe With Couplings.....	15.00
01 22 23 00-1165	MON 4" x 20' HDPE Pipe With Couplings.....	46.25
01 22 23 00-1166	DAY 6" x 20' HDPE Pipe With Couplings.....	10.00
01 22 23 00-1167	WK 6" x 20' HDPE Pipe With Couplings.....	25.00
01 22 23 00-1168	MON 6" x 20' HDPE Pipe With Couplings.....	76.25
01 22 23 00-1169	DAY 8" x 20' HDPE Pipe With Couplings.....	16.25
01 22 23 00-1170	WK 8" x 20' HDPE Pipe With Couplings.....	42.50
01 22 23 00-1171	MON 8" x 20' HDPE Pipe With Couplings.....	126.25
01 22 23 00-1172	DAY 10" x 20' HDPE Pipe With Couplings.....	20.00
01 22 23 00-1173	WK 10" x 20' HDPE Pipe With Couplings.....	51.25
01 22 23 00-1174	MON 10" x 20' HDPE Pipe With Couplings.....	156.25
01 22 23 00-1175	DAY 12" x 10' HDPE Pipe With Couplings.....	15.00
01 22 23 00-1176	WK 12" x 10' HDPE Pipe With Couplings.....	41.25
01 22 23 00-1177	MON 12" x 10' HDPE Pipe With Couplings.....	125.00
01 22 23 00-1178	DAY 4" Elbow For HDPE Pipe, Quick Connect.....	15.00
01 22 23 00-1179	WK 4" Elbow For HDPE Pipe, Quick Connect.....	38.75
01 22 23 00-1180	MON 4" Elbow For HDPE Pipe, Quick Connect.....	115.00
01 22 23 00-1181	DAY 6" Elbow For HDPE Pipe, Quick Connect.....	17.50
01 22 23 00-1182	WK 6" Elbow For HDPE Pipe, Quick Connect.....	45.00
01 22 23 00-1183	MON 6" Elbow For HDPE Pipe, Quick Connect.....	137.50
01 22 23 00-1184	DAY 8" Elbow For HDPE Pipe, Quick Connect.....	20.00
01 22 23 00-1185	WK 8" Elbow For HDPE Pipe, Quick Connect.....	51.25
01 22 23 00-1186	MON 8" Elbow For HDPE Pipe, Quick Connect.....	156.25
01 22 23 00-1187	DAY 10" Elbow For HDPE Pipe, Quick Connect.....	25.00
01 22 23 00-1188	WK 10" Elbow For HDPE Pipe, Quick Connect.....	63.75
01 22 23 00-1189	MON 10" Elbow For HDPE Pipe, Quick Connect.....	193.75
01 22 23 00-1190	DAY 12" Elbow For HDPE Pipe, Quick Connect.....	25.00
01 22 23 00-1191	WK 12" Elbow For HDPE Pipe, Quick Connect.....	63.75
01 22 23 00-1192	MON 12" Elbow For HDPE Pipe, Quick Connect.....	193.75
01 22 23 00-1193	DAY 4" Tee For HDPE Pipe, Quick Connect.....	15.00
01 22 23 00-1194	WK 4" Tee For HDPE Pipe, Quick Connect.....	38.75
01 22 23 00-1195	MON 4" Tee For HDPE Pipe, Quick Connect.....	115.00
01 22 23 00-1196	DAY 6" Tee For HDPE Pipe, Quick Connect.....	20.00
01 22 23 00-1197	WK 6" Tee For HDPE Pipe, Quick Connect.....	51.25
01 22 23 00-1198	MON 6" Tee For HDPE Pipe, Quick Connect.....	156.25
01 22 23 00-1199	DAY 8" Tee For HDPE Pipe, Quick Connect.....	25.00
01 22 23 00-1200	WK 8" Tee For HDPE Pipe, Quick Connect.....	63.75
01 22 23 00-1201	MON 8" Tee For HDPE Pipe, Quick Connect.....	193.75
01 22 23 00-1202	DAY 10" Tee For HDPE Pipe, Quick Connect.....	30.00
01 22 23 00-1203	WK 10" Tee For HDPE Pipe, Quick Connect.....	76.25
01 22 23 00-1204	MON 10" Tee For HDPE Pipe, Quick Connect.....	231.25
01 22 23 00-1205	DAY 12" Tee For HDPE Pipe, Quick Connect.....	30.00
01 22 23 00-1206	WK 12" Tee For HDPE Pipe, Quick Connect.....	76.25
01 22 23 00-1207	MON 12" Tee For HDPE Pipe, Quick Connect.....	231.25
01 22 23 00-1208	DAY 4" Cap For HDPE Pipe, Quick Connect.....	2.50
01 22 23 00-1209	WK 4" Cap For HDPE Pipe, Quick Connect.....	7.50
01 22 23 00-1210	MON 4" Cap For HDPE Pipe, Quick Connect.....	22.50
01 22 23 00-1211	DAY 6" Cap For HDPE Pipe, Quick Connect.....	2.50
01 22 23 00-1212	WK 6" Cap For HDPE Pipe, Quick Connect.....	7.50
01 22 23 00-1213	MON 6" Cap For HDPE Pipe, Quick Connect.....	22.50
01 22 23 00-1214	DAY 8" Cap For HDPE Pipe, Quick Connect.....	2.50
01 22 23 00-1215	WK 8" Cap For HDPE Pipe, Quick Connect.....	7.50
01 22 23 00-1216	MON 8" Cap For HDPE Pipe, Quick Connect.....	22.50
01 22 23 00-1217	DAY 10" Cap For HDPE Pipe, Quick Connect.....	2.50
01 22 23 00-1218	WK 10" Cap For HDPE Pipe, Quick Connect.....	7.50
01 22 23 00-1219	MON 10" Cap For HDPE Pipe, Quick Connect.....	22.50
01 22 23 00-1220	DAY 12" Cap For HDPE Pipe, Quick Connect.....	2.50
01 22 23 00-1221	WK 12" Cap For HDPE Pipe, Quick Connect.....	7.50
01 22 23 00-1222	MON 12" Cap For HDPE Pipe, Quick Connect.....	22.50
01 22 23 00-1223	DAY 4" Wye For HDPE Pipe, Quick Connect.....	7.50
01 22 23 00-1224	WK 4" Wye For HDPE Pipe, Quick Connect.....	18.75
01 22 23 00-1225	MON 4" Wye For HDPE Pipe, Quick Connect.....	57.50
01 22 23 00-1226	DAY 6" Wye For HDPE Pipe, Quick Connect.....	8.75
01 22 23 00-1227	WK 6" Wye For HDPE Pipe, Quick Connect.....	22.50
01 22 23 00-1228	MON 6" Wye For HDPE Pipe, Quick Connect.....	68.75
01 22 23 00-1229	DAY 8" Wye For HDPE Pipe, Quick Connect.....	15.00
01 22 23 00-1230	WK 8" Wye For HDPE Pipe, Quick Connect.....	38.75
01 22 23 00-1231	MON 8" Wye For HDPE Pipe, Quick Connect.....	115.00
01 22 23 00-1232	DAY 10" Wye For HDPE Pipe, Quick Connect.....	22.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1233 WK 10" Wye For HDPE Pipe, Quick Connect .....	57.50	
01 22 23 00-1234 MON 10" Wye For HDPE Pipe, Quick Connect .....	175.00	
01 22 23 00-1235 DAY 12" Wye For HDPE Pipe, Quick Connect .....	22.50	
01 22 23 00-1236 WK 12" Wye For HDPE Pipe, Quick Connect .....	57.50	
01 22 23 00-1237 MON 12" Wye For HDPE Pipe, Quick Connect .....	175.00	
<b>01 22 23 00-1238 Temporary Building Services (01 22 23)</b>		
<b>01 22 23 00-1239 Boilers (01 22 23 00-1238)</b>		
Note: Excludes operator, delivery, set-up, and removal.		
<b>01 22 23 00-1240 Electric Boilers (01 22 23 00-1239)</b>		
01 22 23 00-1241 MO 40 MBH, 12 KW Electric Boiler Rental .....	1,733.49	
01 22 23 00-1242 MO 60 MBH, 20 KW Electric Boiler Rental .....	1,891.11	
01 22 23 00-1243 MO 95 MBH, 30 KW Electric Boiler Rental .....	1,969.92	
01 22 23 00-1244 MO 135 MBH, 40 KW Electric Boiler Rental .....	2,206.26	
01 22 23 00-1245 MO 165 MBH, 50 KW Electric Boiler Rental .....	3,073.01	
01 22 23 00-1246 MO 215 MBH, 60 KW Electric Boiler Rental .....	3,545.79	
01 22 23 00-1247 MO 365 MBH, 100 KW Electric Boiler Rental .....	4,648.96	
01 22 23 00-1248 MO 510 MBH, 150 KW Electric Boiler Rental .....	5,673.32	
<b>01 22 23 00-1249 Oil/Gas Fired Boilers (01 22 23 00-1239)</b>		
01 22 23 00-1250 MO Up To 100 HP, Gas/Oil Dual Fuel Boiler Rental .....	2,000.00	
For >3 Months Rental, Deduct	-300.00	
01 22 23 00-1251 MO >100 HP To 250 HP, Gas/Oil Dual Fuel Boiler Rental .....	2,600.00	
For >3 Months Rental, Deduct	-390.00	
01 22 23 00-1252 MO >250 HP To 500 HP, Gas/Oil Dual Fuel Boiler Rental .....	4,200.00	
For >3 Months Rental, Deduct	-630.00	
01 22 23 00-1253 MO >500 HP To 800 HP, Gas/Oil Dual Fuel Boiler Rental .....	5,800.00	
For >3 Months Rental, Deduct	-870.00	
<b>01 22 23 00-1254 Oil Fired Boilers (01 22 23 00-1239)</b>		
01 22 23 00-1255 MO 250 HP Oil Fired Boiler Rental .....	4,868.53	
01 22 23 00-1256 MO 350 HP Oil Fired Boiler Rental .....	6,491.37	
01 22 23 00-1257 MO 500 HP Oil Fired Boiler Rental .....	8,114.21	
01 22 23 00-1258 MO 600 HP Oil Fired Boiler Rental .....	8,925.64	
<b>01 22 23 00-1259 Boilers Setup (01 22 23 00-1239)</b>		
01 22 23 00-1260 EA Setup Rental Boiler .....	4,351.25	
Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.		
<b>01 22 23 00-1261 Chillers (01 22 23 00-1238)</b>		
Note: Excludes operator, delivery, set-up, and removal.		
<b>01 22 23 00-1262 Air Cooled Chillers (01 22 23 00-1261)</b>		
01 22 23 00-1263 MO 25 Ton Air Cooled Chiller Rental .....	2,357.06	
For >3 To 6 Month Rental, Deduct	-353.56	
For >6 Month Rental, Deduct	-589.27	
01 22 23 00-1264 MO 40 Ton Air Cooled Chiller Rental .....	3,771.31	
For >3 To 6 Month Rental, Deduct	-565.70	
For >6 Month Rental, Deduct	-942.83	
01 22 23 00-1265 MO 60 Ton Air Cooled Chiller Rental .....	4,612.73	
For >3 To 6 Month Rental, Deduct	-691.91	
For >6 Month Rental, Deduct	-1,153.18	
01 22 23 00-1266 MO 80 Ton Air Cooled Chiller Rental .....	5,454.16	
For >3 To 6 Month Rental, Deduct	-818.12	
For >6 Month Rental, Deduct	-1,363.54	
01 22 23 00-1267 MO 100 Ton Air Cooled Chiller Rental .....	6,295.59	
For >3 To 6 Month Rental, Deduct	-944.34	
For >6 Month Rental, Deduct	-1,573.90	
01 22 23 00-1268 MO 125 Ton Air Cooled Chiller Rental .....	7,293.56	
For >3 To 6 Month Rental, Deduct	-1,094.03	
For >6 Month Rental, Deduct	-1,823.39	
01 22 23 00-1269 MO 155 Ton Air Cooled Chiller Rental .....	8,823.42	
For >3 To 6 Month Rental, Deduct	-1,323.51	
For >6 Month Rental, Deduct	-2,205.86	
01 22 23 00-1270 MO 170 Ton Air Cooled Chiller Rental .....	9,435.37	
For >3 To 6 Month Rental, Deduct	-1,415.31	
For >6 Month Rental, Deduct	-2,358.84	
01 22 23 00-1271 MO 200 Ton Air Cooled Chiller Rental .....	10,838.94	
For >3 To 6 Month Rental, Deduct	-1,625.84	
For >6 Month Rental, Deduct	-2,709.74	
01 22 23 00-1272 MO 250 Ton Air Cooled Chiller Rental .....	12,897.15	
For >3 To 6 Month Rental, Deduct	-1,934.57	
For >6 Month Rental, Deduct	-3,224.29	

<b>01</b>	<b>General Requirements</b>
<b>01 20</b>	<b>Price And Payment Procedures</b>
<b>01 22</b>	<b>Unit Prices</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1273	MO		300 Ton Air Cooled Chiller Rental..... Note: Includes trailer. <i>For &gt;3 To 6 Month Rental, Deduct</i> <i>For &gt;6 Month Rental, Deduct</i>	15,049.64  -2,257.45 -3,762.41	
01 22 23 00-1274	MO		400 Ton Air Cooled Chiller Rental..... Note: Includes trailer, pump and 200' of 6" hose. <i>For &gt;3 To 6 Month Rental, Deduct</i> <i>For &gt;6 Month Rental, Deduct</i>	19,852.72  -2,977.91 -4,963.18	
01 22 23 00-1275	MO		500 Ton Air Cooled Chiller Rental..... Note: Includes trailer, pump and 200' of 6" hose. <i>For &gt;3 To 6 Month Rental, Deduct</i> <i>For &gt;6 Month Rental, Deduct</i>	24,573.96  -3,686.09 -6,143.49	
01 22 23 00-1276	EA		Setup Air Cooled Chiller Rental Unit..... Note: Includes delivery, setup, installation, refrigerant charge, startup, commissioning, decommissioning, recovery of refrigerant and pickup. Excludes piping and electrical hookup. Excludes crane if off-loaded.	3,024.65	
<b>01 22 23 00-1277 Chiller Rental Accessories (01 22 23 00-1261)</b>					
01 22 23 00-1278	MO		4" x 25' Flexible Water Hose For Chiller Rental .....	42.00	
01 22 23 00-1279	MO		6" x 25' Flexible Water Hose For Chiller Rental .....	52.50	
<b>01 22 23 00-1280 Cooling Tower (01 22 23 00-1238)</b>					
Note: Excludes operator, delivery, set-up, and removal.					
01 22 23 00-1281	MO		100 Ton Cooling Tower Rental .....	2,163.00	
			<i>For &gt;3 To 6 Months Rental, Deduct</i>	-324.45	
			<i>For &gt;6 Months Rental, Deduct</i>	-540.75	
01 22 23 00-1282	MO		200 Ton Cooling Tower Rental .....	3,937.50	
			<i>For &gt;3 To 6 Months Rental, Deduct</i>	-590.63	
			<i>For &gt;6 Months Rental, Deduct</i>	-984.38	
01 22 23 00-1283	MO		250 Ton Cooling Tower Rental .....	4,459.04	
			<i>For &gt;3 To 6 Months Rental, Deduct</i>	-668.86	
			<i>For &gt;6 Months Rental, Deduct</i>	-1,114.76	
01 22 23 00-1284	MO		300 Ton Cooling Tower Rental .....	5,040.00	
			<i>For &gt;3 To 6 Months Rental, Deduct</i>	-756.00	
			<i>For &gt;6 Months Rental, Deduct</i>	-1,260.00	
01 22 23 00-1285	MO		400 Ton Cooling Tower Rental .....	6,300.00	
			<i>For &gt;3 To 6 Months Rental, Deduct</i>	-945.00	
			<i>For &gt;6 Months Rental, Deduct</i>	-1,575.00	
01 22 23 00-1286	MO		500 Ton Cooling Tower Rental .....	7,365.78	
			<i>For &gt;3 To 6 Months Rental, Deduct</i>	-1,104.87	
			<i>For &gt;6 Months Rental, Deduct</i>	-1,841.45	
01 22 23 00-1287	MO		Setup Rental Cooling Tower .....	3,024.65	
			Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.		
<b>01 22 23 00-1288 Emergency Cooler/Freezer (01 22 23 00-1238)</b>					
Note: Excludes utility connection, delivery, set-up, and removal. Cooler 115 Volt or 230 Volt, freezer 208/230 Volt, combo 115 Volt or 230 Volt.					
01 22 23 00-1289	DAY		8 x 6 x 7 Emergency Cooler Rental .....	95.68	
01 22 23 00-1290	WK		8 x 6 x 7 Emergency Cooler Rental .....	510.28	
01 22 23 00-1291	DAY		10 x 7 x 7 Emergency Cooler Rental .....	191.36	
01 22 23 00-1292	WK		10 x 7 x 7 Emergency Cooler Rental .....	765.42	
01 22 23 00-1293	MO		10 x 7 x 7 Emergency Cooler Rental .....	1,913.55	
01 22 23 00-1294	DAY		10 x 7 x 7 Emergency Freezer Rental.....	223.25	
01 22 23 00-1295	WK		10 x 7 x 7 Emergency Freezer Rental.....	892.99	
01 22 23 00-1296	MO		10 x 7 x 7 Emergency Freezer Rental.....	2,296.26	
01 22 23 00-1297	DAY		6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental .....	255.14	
01 22 23 00-1298	WK		6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental .....	1,020.56	
01 22 23 00-1299	MO		6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental .....	2,551.40	
<b>01 22 23 00-1300 Fuel Oil Tank (01 22 23 00-1238)</b>					
Note: Includes delivery to job site, connection to existing system and pick-up when complete. Excludes Off-road fuel costs. See CSI section 01 22 23 00-0799 for reimbursable fuel fees.					
01 22 23 00-1301	MO		100 Gallon Portable Double Wall Fuel Oil Tank Rental .....	478.91	
01 22 23 00-1302	MO		275 Gallon Portable Double Wall Fuel Oil Tank Rental .....	744.98	
01 22 23 00-1303	MO		500 Gallon Portable Double Wall Fuel Oil Tank Rental .....	1,862.44	
01 22 23 00-1304	MO		1,000 Gallon Portable Double Wall Fuel Oil Tank Rental .....	3,104.06	
01 22 23 00-1305	MO		2,300 Gallon Portable Double Wall Fuel Oil Tank Rental .....	4,097.36	
01 22 23 00-1306	MO		5,000 Gallon Portable Double Wall Fuel Oil Tank Rental .....	7,319.68	
<b>01 22 23 00-1307 Portable Spot Cooling Units (01 22 23 00-1238)</b>					
Note: Includes delivery to job site, connection to existing system and pick-up when complete. Excludes operator.					
01 22 23 00-1308	DAY		1 Ton Portable Spot Cooling Unit.....	164.76	
01 22 23 00-1309	WK		1 Ton Portable Spot Cooling Unit.....	362.48	
01 22 23 00-1310	MO		1 Ton Portable Spot Cooling Unit.....	724.96	
01 22 23 00-1311	DAY		2 Ton Portable Spot Cooling Unit.....	263.62	
01 22 23 00-1312	WK		2 Ton Portable Spot Cooling Unit.....	527.24	
01 22 23 00-1313	MO		2 Ton Portable Spot Cooling Unit.....	1,186.29	
01 22 23 00-1314	DAY		3 Ton Portable Spot Cooling Unit.....	395.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1315 WK 3 Ton Portable Spot Cooling Unit .....	790.86	
01 22 23 00-1316 MO 3 Ton Portable Spot Cooling Unit .....	1,581.72	
01 22 23 00-1317 DAY 5 Ton Portable Spot Cooling Unit .....	461.34	
01 22 23 00-1318 WK 5 Ton Portable Spot Cooling Unit .....	922.67	
01 22 23 00-1319 MO 5 Ton Portable Spot Cooling Unit .....	2,108.96	
01 22 23 00-1320 DAY 10 Ton Portable Spot Cooling Unit .....	988.58	
01 22 23 00-1321 WK 10 Ton Portable Spot Cooling Unit .....	1,581.72	
01 22 23 00-1322 MO 10 Ton Portable Spot Cooling Unit .....	3,163.44	
01 22 23 00-1323 DAY 20 Ton Portable Spot Cooling Unit .....	1,318.10	
01 22 23 00-1324 WK 20 Ton Portable Spot Cooling Unit .....	2,306.68	
01 22 23 00-1325 MO 20 Ton Portable Spot Cooling Unit .....	4,942.88	
01 22 23 00-1326 DAY 25 Ton Portable Spot Cooling Unit .....	1,515.82	
01 22 23 00-1327 WK 25 Ton Portable Spot Cooling Unit .....	2,438.48	
01 22 23 00-1328 MO 25 Ton Portable Spot Cooling Unit .....	5,272.40	
<b>01 22 23 00-1329 Air Handling Unit (AHU) (01 22 23 00-1238)</b>		
Note: Excludes operator, delivery, set-up, and removal.		
<b>01 22 23 00-1330 Air Handling Unit (AHU) (01 22 23 00-1329)</b>		
01 22 23 00-1331 MO 5,000 CFM Air Handling Unit Rental.....	2,781.16	
01 22 23 00-1332 MO 10,000 CFM Air Handling Unit Rental.....	2,875.79	
01 22 23 00-1333 MO 25,000 CFM Air Handling Unit Rental.....	4,725.87	
<b>01 22 23 00-1334 Air Handling Unit Setup (01 22 23 00-1329)</b>		
01 22 23 00-1335 EA Setup Rental Air Handling Unit .....	981.75	
Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.		
01 22 23 00-1336 MO 12" x 100' Flex Duct For AHU Rental.....	272.17	
Note: Include four (4) 25' sections.		
01 22 23 00-1337 MO 20" x 100' Flex Duct For AHU Rental.....	329.10	
Note: Include four (4) 25' sections.		
<b>01 22 23 00-1338 Truck And Trailer Equipment (01 22 23)</b>		
<b>01 22 23 00-1339 Trucks (01 22 23 00-1338)</b>		
Note: Includes driver, delivery, and removal.		
<b>01 22 23 00-1340 Flat Bed Trucks (01 22 23 00-1339)</b>		
Note: Includes hydraulic tilt bed.		
01 22 23 00-1341 DAY 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	599.90	
For Equipment Without Operator, Deduct	-349.43	
01 22 23 00-1342 WK 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	2,403.80	
For Equipment Without Operator, Deduct	-1,747.16	
01 22 23 00-1343 MO 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	1,189.39	
For Equipment Without Operator, Deduct	-7,530.86	
01 22 23 00-1344 DAY 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	708.21	
For Equipment Without Operator, Deduct	-349.43	
01 22 23 00-1345 WK 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	2,681.35	
For Equipment Without Operator, Deduct	-1,747.16	
01 22 23 00-1346 MO 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	9,900.18	
For Equipment Without Operator, Deduct	-7,530.86	
01 22 23 00-1347 DAY 6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	785.93	
For Equipment Without Operator, Deduct	-349.43	
01 22 23 00-1348 WK 6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	2,978.40	
For Equipment Without Operator, Deduct	-1,747.16	
01 22 23 00-1349 MO 6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	11,030.71	
For Equipment Without Operator, Deduct	-7,530.88	
<b>01 22 23 00-1350 Light Off-Road Utility Passenger Vehicles (01 22 23 00-1339)</b>		
01 22 23 00-1351 DAY 4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle.....	168.70	
01 22 23 00-1352 WK 4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle.....	380.13	
01 22 23 00-1353 MO 4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle.....	843.52	
01 22 23 00-1354 DAY 4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle.....	173.98	
01 22 23 00-1355 WK 4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle.....	405.94	
01 22 23 00-1356 MO 4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle.....	896.24	
<b>01 22 23 00-1357 Light Duty Trucks (01 22 23 00-1339)</b>		
01 22 23 00-1358 DAY 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver.....	607.88	
For Equipment Without Operator, Deduct	-349.43	
01 22 23 00-1359 WK 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver.....	2,595.19	
For Equipment Without Operator, Deduct	-1,747.16	
01 22 23 00-1360 MO 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver.....	9,307.69	
For Equipment Without Operator, Deduct	-7,530.86	
01 22 23 00-1361 DAY 3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver.....	656.34	
For Equipment Without Operator, Deduct	-349.43	
01 22 23 00-1362 WK 3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver.....	2,740.57	
For Equipment Without Operator, Deduct	-1,747.16	

<b>01</b>	<b>General Requirements</b>
<b>01 20</b>	<b>Price And Payment Procedures</b>
<b>01 22</b>	<b>Unit Prices</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1363	MO		3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	9,630.75 -7,530.86	
<b>01 22 23 00-1364</b>			<b>Rear Dump Trucks</b> (01 22 23 00-1339)		
01 22 23 00-1365	DAY		2.5 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	624.85 -343.75	
01 22 23 00-1366	WK		2.5 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	2,461.19 -1,718.73	
01 22 23 00-1367	MO		2.5 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	9,681.55 -7,408.33	
01 22 23 00-1368	DAY		4 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	723.72 -349.43	
01 22 23 00-1369	WK		4 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	2,778.36 -1,747.16	
01 22 23 00-1370	MO		4 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	10,204.34 -7,530.86	
01 22 23 00-1371	DAY		6 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	777.19 -349.43	
01 22 23 00-1372	WK		6 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	2,892.94 -1,747.16	
01 22 23 00-1373	MO		6 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	10,280.72 -7,530.86	
01 22 23 00-1374	DAY		13 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	1,411.18 -349.43	
01 22 23 00-1375	WK		13 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	4,199.12 -1,747.16	
01 22 23 00-1376	MO		13 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	13,947.20 -7,530.86	
01 22 23 00-1377	DAY		18 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	1,517.36 -349.43	
01 22 23 00-1378	WK		18 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	4,444.31 -1,747.16	
01 22 23 00-1379	MO		18 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	14,588.83 -7,530.86	
<b>01 22 23 00-1380</b>			<b>Tractor-Trailer Trucks</b> (01 22 23 00-1339)		
01 22 23 00-1381	DAY		Tractor, Truck, Diesel Powered, 4x2, 35000 GVW, 329 HP, With Full Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	544.27 -349.43	
01 22 23 00-1382	WK		Tractor, Truck, Diesel Powered, 4x2, 35000 GVW, 329 HP, With Full Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	2,526.53 -1,747.16	
01 22 23 00-1383	MO		Tractor, Truck, Diesel Powered, 4x2, 35000 GVW, 329 HP, With Full Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	10,316.06 -7,530.86	
01 22 23 00-1384	DAY		Tractor, Truck, Diesel Powered, 6x4, 75000 GVW, 400 HP, With Full Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	606.88 -349.43	
01 22 23 00-1385	WK		Tractor, Truck, Diesel Powered, 6x4, 75000 GVW, 400 HP, With Full Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	2,776.96 -1,747.16	
01 22 23 00-1386	MO		Tractor, Truck, Diesel Powered, 6x4, 75000 GVW, 400 HP, With Full Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	11,207.39 -7,530.86	
<b>01 22 23 00-1387</b>			<b>Under-Bridge Inspection Trucks</b> (01 22 23 00-1339)		
01 22 23 00-1388	DAY		40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	2,496.17 -349.43	
01 22 23 00-1389	WK		40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	11,320.46 -1,747.16	
01 22 23 00-1390	MO		40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	41,481.34 -7,530.86	
01 22 23 00-1391	DAY		50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	2,786.27 -349.43	
01 22 23 00-1392	WK		50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	11,900.66 -1,747.16	
01 22 23 00-1393	MO		50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	43,671.69 -7,530.86	
01 22 23 00-1394	DAY		60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	2,960.33 -349.43	
01 22 23 00-1395	WK		60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	12,770.96 -1,747.16	
01 22 23 00-1396	MO		60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	45,862.05 -7,530.86	
01 22 23 00-1397	DAY		75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	3,714.59 -349.43	
01 22 23 00-1398	WK		75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	16,252.16 -1,747.16	
01 22 23 00-1399	MO		75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	56,813.82 -7,530.86	
<b>01 22 23 00-1400</b>			<b>Vacuum Trucks</b> (01 22 23 00-1339)		
01 22 23 00-1401	DAY		1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	668.18 -349.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1402 WK 1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver.....	2,697.16	
<i>For Equipment Without Operator, Deduct</i>	-1,747.16	
01 22 23 00-1403 MO 1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver.....	10,337.11	
<i>For Equipment Without Operator, Deduct</i>	-7,530.86	
01 22 23 00-1404 DAY 5,000 Gallon Vacuum Truck With Full-Time Truck Driver.....	1,403.54	
<i>For Equipment Without Operator, Deduct</i>	-349.43	
01 22 23 00-1405 WK 5,000 Gallon Vacuum Truck With Full-Time Truck Driver.....	4,921.72	
<i>For Equipment Without Operator, Deduct</i>	-1,747.16	
01 22 23 00-1406 MO 5,000 Gallon Vacuum Truck With Full-Time Truck Driver.....	16,898.72	
<i>For Equipment Without Operator, Deduct</i>	-7,530.86	
<b>01 22 23 00-1407 Water Trucks</b> <small>(01 22 23 00-1339)</small>		
See CSI section 01 22 23 00-1464 for water trailer.		
01 22 23 00-1408 DAY 2,000 Gallon Water Truck With Full-Time Driver .....	911.93	
<i>For Equipment Without Operator, Deduct</i>	-349.43	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	8.00	
01 22 23 00-1409 WK 2,000 Gallon Water Truck With Full-Time Driver .....	3,228.41	
<i>For Equipment Without Operator, Deduct</i>	-1,747.16	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	8.00	
01 22 23 00-1410 MO 2,000 Gallon Water Truck With Full-Time Driver .....	11,030.86	
<i>For Equipment Without Operator, Deduct</i>	-7,530.86	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	8.00	
01 22 23 00-1411 DAY 3,700 To 4,000 Gallon Water Truck With Full-Time Driver .....	1,186.93	
<i>For Equipment Without Operator, Deduct</i>	-349.43	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	8.00	
01 22 23 00-1412 WK 3,700 To 4,000 Gallon Water Truck With Full-Time Driver .....	4,053.41	
<i>For Equipment Without Operator, Deduct</i>	-1,747.16	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	8.00	
01 22 23 00-1413 MO 3,700 To 4,000 Gallon Water Truck With Full-Time Driver .....	13,155.86	
<i>For Equipment Without Operator, Deduct</i>	-7,530.86	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>	8.00	
<b>01 22 23 00-1414 Asphalt Distribution Trucks</b> <small>(01 22 23 00-1339)</small>		
01 22 23 00-1415 DAY 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver .....	1,509.72	
<i>For Equipment Without Operator, Deduct</i>	-349.43	
01 22 23 00-1416 WK 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver .....	5,213.14	
<i>For Equipment Without Operator, Deduct</i>	-1,747.16	
01 22 23 00-1417 MO 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver .....	17,777.18	
<i>For Equipment Without Operator, Deduct</i>	-7,530.86	
<b>01 22 23 00-1418 Boom Trucks</b> <small>(01 22 23 00-1339)</small>		
01 22 23 00-1419 DAY 3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver.....	815.85	
<i>For Equipment Without Operator, Deduct</i>	-349.43	
01 22 23 00-1420 WK 3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver.....	2,961.61	
<i>For Equipment Without Operator, Deduct</i>	-1,747.16	
01 22 23 00-1421 MO 3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver.....	10,610.98	
<i>For Equipment Without Operator, Deduct</i>	-7,530.86	
<b>01 22 23 00-1422 Straight/Box Trucks</b> <small>(01 22 23 00-1339)</small>		
01 22 23 00-1423 DAY 18,000 LB Capacity, 24' Straight/Box Truck With Full-Time Truck Driver.....	456.39	
Note: Includes 2,500 LB lift gate.		
<i>For Equipment Without Operator, Deduct</i>	-349.43	
01 22 23 00-1424 WK 18,000 LB Capacity, 24' Straight/Box Truck With Full-Time Truck Driver.....	2,281.95	
Note: Includes 2,500 LB lift gate.		
<i>For Equipment Without Operator, Deduct</i>	-1,747.16	
01 22 23 00-1425 MO 18,000 LB Capacity, 24' Straight/Box Truck With Full-Time Truck Driver.....	9,109.51	
Note: Includes 2,500 LB lift gate.		
<i>For Equipment Without Operator, Deduct</i>	-7,530.86	
<b>01 22 23 00-1426 Traffic Control Truck With Mounted Impact Attenuators/Crash Cushions And Arrow Board</b> <small>(01 22 23 00-1339)</small>		
01 22 23 00-1427 DAY Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver.....	1,004.47	
<i>For Equipment Without Operator, Deduct</i>	-343.75	
01 22 23 00-1428 WK Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver.....	3,668.71	
<i>For Equipment Without Operator, Deduct</i>	-1,718.73	
01 22 23 00-1429 MO Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver.....	12,143.78	
<i>For Equipment Without Operator, Deduct</i>	-7,408.34	
<b>01 22 23 00-1430 Vacuum Sweeper Trucks For Bridge Decks</b> <small>(01 22 23 00-1339)</small>		
01 22 23 00-1431 DAY Vacuum Sweeper Truck, With Full-Time Truck Driver.....	1,403.54	
<i>For Equipment Without Operator, Deduct</i>	-349.43	
01 22 23 00-1432 WK Vacuum Sweeper Truck, With Full-Time Truck Driver.....	4,921.72	
<i>For Equipment Without Operator, Deduct</i>	-1,747.16	



<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 20</b>	<b>Price And Payment Procedures</b>
	<b>01 22</b>	<b>Unit Prices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1433 MO Vacuum Sweeper Truck, With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	16,898.72	-7,530.86
<b>01 22 23 00-1434 Truck Mounted Accessories</b> (01 22 23 00-1338) Note: Includes delivery to job site and pick-up when complete.		
<b>01 22 23 00-1435 Truck Mounted Arrow Boards</b> (01 22 23 00-1434)		
01 22 23 00-1436 DAY Truck Mounted Arrow Board .....	36.80	
01 22 23 00-1437 WK Truck Mounted Arrow Board .....	146.35	
01 22 23 00-1438 MO Truck Mounted Arrow Board .....	521.85	
<b>01 22 23 00-1439 Snow Removal Equipment</b> (01 22 23 00-1434) See CSI section 01 22 23 00-1339 for truck information.		
01 22 23 00-1440 DAY One Way Type Snow Plow Attachment For Trucks .....	173.50	
01 22 23 00-1441 DAY Reversible Type Snow Plow Attachment For Trucks .....	185.82	
01 22 23 00-1442 DAY V Type Snow Plow Attachment For Trucks.....	192.63	
01 22 23 00-1443 DAY Slide-In, V-Box Hopper, 10 CY Salt/Sand Spreader Attachment For Dump Body Trucks .....	79.67	
<i>For &gt;10 CY Spreader, Add</i>	13.04	
01 22 23 00-1444 DAY Tailgate Mounted, Salt/Sand Spreader Attachment For Pickup Trucks .....	53.73	
01 22 23 00-1445 DAY Salt/Sand Spreader Attachment For Pickup Trucks.....	53.99	
<b>01 22 23 00-1446 Trailers</b> (01 22 23 00-1338) Note: Includes delivery to job site and pick-up when complete.		
<b>01 22 23 00-1447 Platform Trailers</b> (01 22 23 00-1446)		
01 22 23 00-1448 DAY 25 Ton Capacity Platform Trailer .....	80.07	
01 22 23 00-1449 WK 25 Ton Capacity Platform Trailer .....	315.32	
01 22 23 00-1450 MO 25 Ton Capacity Platform Trailer .....	1,122.49	
01 22 23 00-1451 DAY 40 Ton Capacity Platform Trailer .....	83.70	
01 22 23 00-1452 WK 40 Ton Capacity Platform Trailer .....	332.33	
01 22 23 00-1453 MO 40 Ton Capacity Platform Trailer .....	1,191.00	
01 22 23 00-1454 DAY 50 Ton Capacity Platform Trailer .....	96.08	
01 22 23 00-1455 WK 50 Ton Capacity Platform Trailer .....	379.38	
01 22 23 00-1456 MO 50 Ton Capacity Platform Trailer .....	1,355.13	
01 22 23 00-1457 DAY 75 Ton Capacity Platform Trailer .....	125.47	
01 22 23 00-1458 WK 75 Ton Capacity Platform Trailer .....	496.92	
01 22 23 00-1459 MO 75 Ton Capacity Platform Trailer .....	1,778.42	
<b>01 22 23 00-1460 Dry Freight Van Trailers</b> (01 22 23 00-1446)		
01 22 23 00-1461 DAY 48' Dry Freight Van Trailers .....	129.38	
01 22 23 00-1462 WK 48' Dry Freight Van Trailers .....	331.88	
01 22 23 00-1463 MO 48' Dry Freight Van Trailers .....	888.75	
<b>01 22 23 00-1464 Water Trailers With Pump</b> (01 22 23 00-1446)		
01 22 23 00-1465 DAY 500 To 600 Gallon Water Trailer With Pump .....	143.75	
01 22 23 00-1466 WK 500 To 600 Gallon Water Trailer With Pump .....	368.75	
01 22 23 00-1467 MO 500 To 600 Gallon Water Trailer With Pump .....	987.50	

**01 30 Administrative Requirements** (01)

**01 35 Special Procedures** (01 30)

**01 35 23 Owner Safety Requirements** (01 35)

**01 35 23 00-0001 Site Specific Plans** (01 35 23)

01 35 23 00-0002 EA Safety - Site Specific Plan.....	75.00
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**01 40 Quality Requirements** (01)

**01 45 Quality Control** (01 40)

**01 45 23 Testing And Inspecting Services** (01 45)

Note: For application to existing materials/site conditions only. Includes acquisition and maintenance of sample (for laboratory tests) to include shipping as required, applicable equipment for field tests, and appropriate test reports.

**01 45 23 00-0001 Soils/Aggregate Testing** (01 45 23)

**01 45 23 00-0002 Field Soils Tests** (01 45 23 00-0001)

01 45 23 00-0003 EA Plasticity Index Soils Test, ASTM D-4318, Field Soils Test .....	192.29
01 45 23 00-0004 EA 4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test .....	272.93
01 45 23 00-0005 EA 6" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test .....	310.15
01 45 23 00-0006 EA Resistance (R) Value Soils Test, CA 301, Field Soils Test .....	248.12
01 45 23 00-0007 EA Soils Classification Test, ASTM D-2487, Field Soils Test .....	372.18
01 45 23 00-0008 SET Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test.....	744.09
01 45 23 00-0009 EA Moisture Content, Field Soils Test .....	27.90



<b>General Requirements</b>		<b>01</b>
<b>Quality Requirements</b>		<b>01 40</b>
<b>Quality Control</b>		<b>01 45</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0010 EA UBC Or Swell Test, Field Soils Test.....	97.75	
01 45 23 00-0011 EA Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test.....	186.02	
01 45 23 00-0012 EA Proctor Compaction 6" Standard Mold, Field Soils Test.....	232.53	
01 45 23 00-0013 EA Density And Classification Test, Field Soils Test.....	74.41	
01 45 23 00-0014 EA Percolation Test, Field Soils Test.....	186.02	
01 45 23 00-0015 EA Infiltration Test, Field Soils Test.....	372.04	
<b>01 45 23 00-0016 Soil Borings Laboratory Tests (01 45 23 00-0001)</b>		
01 45 23 00-0017 EA Atterberg Limits - Liquid Limits (LL) And Plastic Limits (PL), T89, T90, ASTM D4318, Soil Borings Laboratory Test.....	85.39	
01 45 23 00-0018 EA Shrinkage Limit, Soil Borings Laboratory Test.....	27.25	
01 45 23 00-0019 EA Unconfined Compressive Strength of Cohesive Soils, Soil Borings Laboratory Test.....	65.68	
01 45 23 00-0020 EA Consolidation, Soil Borings Laboratory Test.....	459.80	
01 45 23 00-0021 EA Swell Test, Soil Borings Laboratory Test.....	90.83	
01 45 23 00-0022 EA In Place Density, Soil Borings Laboratory Test.....	19.71	
01 45 23 00-0023 EA Moisture Content, ASTM D2216, Soil Borings Laboratory Test.....	12.24	
01 45 23 00-0024 EA Moisture-Density Determination, Standard, ASTM D698, Soil Borings Laboratory Test.....	98.85	
01 45 23 00-0025 EA Moisture-Density Determination, Modified, ASTM D1557, Soil Borings Laboratory Test.....	98.85	
01 45 23 00-0026 EA Moisture-Density Determination, One Point Test, Soil Borings Laboratory Test.....	54.92	
01 45 23 00-0027 EA Hydrometer Analysis, Soil Borings Laboratory Test.....	158.05	
01 45 23 00-0028 EA Specific Gravity, ASTM D854, Soil Borings Laboratory Test.....	55.12	
01 45 23 00-0029 EA Partial Sieve Analysis, Soil Borings Laboratory Test.....	10.90	
01 45 23 00-0030 EA Laboratory Permeability, Soil Borings Laboratory Test.....	545.01	
01 45 23 00-0031 EA Sieve Analysis, ASTM D422, Soil Borings Laboratory Test.....	110.24	
01 45 23 00-0032 EA Sulfate Soundness, Soil Borings Laboratory Test.....	136.25	
01 45 23 00-0033 EA Los Angeles Abrasion, Soil Borings Laboratory Test.....	317.69	
01 45 23 00-0034 EA Soil Bearing Ratio, ASTM D1883.....	279.14	
01 45 23 00-0035 EA Compaction Test Subgrade, Soil Borings Laboratory Test.....	81.75	
01 45 23 00-0036 EA Compaction Test Base Course, Soil Borings Laboratory Test.....	69.17	
01 45 23 00-0037 EA In Place Density And Water Content Test By Nuclear Methods, ASTM D6938, Soil Borings Laboratory Test.....	268.82	
01 45 23 00-0038 EA Field Density Sand Cone, AASHTO T-191, ASTM D1556, Soil Borings Laboratory Test.....	41.78	
01 45 23 00-0039 EA Direct Shear Per Point, ASTM D3080, Soil Borings Laboratory Test.....	164.75	
01 45 23 00-0040 EA Unconfined Compression, ASTM D2166 And D2938, Soil Borings Laboratory Test.....	54.92	
01 45 23 00-0041 EA Triaxial Shear, Per Point, ASTM D2850, Unconsolidated-Undrained, Soil Borings Laboratory Test.....	219.67	
01 45 23 00-0042 EA Triaxial Shear, Per Point, ASTM D2850, Consolidated-Undrained, Soil Borings Laboratory Test.....	411.88	
01 45 23 00-0043 EA Triaxial Shear, Per Point, ASTM D2850, Consolidated-Drained, Soil Borings Laboratory Test.....	494.25	
01 45 23 00-0044 EA Permeability, ASTM D2434, Soil Borings Laboratory Test.....	247.13	
01 45 23 00-0045 EA Permeability, ASTM D2434, Undisturbed/Remolded, Soil Borings Laboratory Test.....	274.58	
01 45 23 00-0046 EA One-Dimension Consolidation/Swell, ASTM D2435 And D4186, 4 KSF Load, Soil Borings Laboratory Test.....	219.67	
01 45 23 00-0047 EA One-Dimension Consolidation/Swell, ASTM D2435 And D4186, 8 KSF Load, Soil Borings Laboratory Test.....	82.38	
01 45 23 00-0048 EA One-Dimension Consolidation/Swell, ASTM D2435 And D4186, 16 KSF Load, Soil Borings Laboratory Test.....	82.38	
01 45 23 00-0049 EA One-Dimension Consolidation/Swell, ASTM D2435 And D4186, 32 KSF Load, Soil Borings Laboratory Test.....	82.38	
01 45 23 00-0050 EA Classification Of Soil, ASTM D2487, Soil Borings Laboratory Test.....	65.90	
<b>01 45 23 00-0051 Aggregate Testing (01 45 23 00-0001)</b>		
01 45 23 00-0052 EA Coarse Aggregate Sieve Analysis Test, ASTM C-136, CA 202.....	62.03	
01 45 23 00-0053 EA Fine Aggregate Sieve Analysis Test, ASTM C-136, CA 202.....	111.65	
01 45 23 00-0054 EA Combined Aggregate Sieve Analysis Test, ASTM C-136, CA 202.....	155.08	
01 45 23 00-0055 EA Sieve Analysis, Pit Run, ASTM C136.....	120.91	
Note: Includes wash.		
01 45 23 00-0056 EA Specific Special Gravity, Course, ASTM C127.....	98.53	
Note: Includes absorption test.		
01 45 23 00-0057 EA Special Gravity, Fine, ASTM C127.....	88.36	
Note: Includes absorption test.		
01 45 23 00-0058 EA Coarse Aggregate Bulk SSD Specific Gravity Test, ASTM C-128.....	131.37	
01 45 23 00-0059 EA Fine Aggregate Bulk SSD Specific Gravity Test, ASTM C-128.....	124.06	
01 45 23 00-0060 EA Aggregate Cleanness Value, ASTM C-128, CA 227.....	124.06	
01 45 23 00-0061 EA Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217.....	93.04	
01 45 23 00-0062 EA Fine Aggregate Durability Index, CA 229.....	99.25	
01 45 23 00-0063 EA Sodium And Magnesium Soundness, ASTM C88.....	260.43	
01 45 23 00-0064 EA Los Angeles Rattler, ASTM C-131, CA 211.....	198.50	
01 45 23 00-0065 EA Los Angeles Rattler, ASTM C-535.....	198.50	
01 45 23 00-0066 EA Unit Weight Of Aggregates, ASTM C29.....	55.83	
01 45 23 00-0067 EA Organic Impurities In Sand, ASTM C40.....	55.81	
01 45 23 00-0068 EA Crushed Particle, ASTM California Test Method.....	55.81	
01 45 23 00-0069 EA Clay Lump And Friable Particles, ASTM C142.....	111.61	
<b>01 45 23 00-0070 Permeability Tests (01 45 23 00-0001)</b>		
<b>01 45 23 00-0071 In-Place Tests (01 45 23 00-0070)</b>		
01 45 23 00-0072 EA Double Ring Infiltrometer Test, ASTM D3385.....	985.28	
01 45 23 00-0073 EA Unconfined Compressive Strength (Pocket Penetrometer) Test.....	46.51	
<b>01 45 23 00-0074 Lab Tests (01 45 23 00-0070)</b>		
01 45 23 00-0075 EA Falling Head Rigid Wall Consolidometer Technique CAE.....	459.80	
01 45 23 00-0076 EA Falling Head Permeability Test EPA-9100.....	459.80	
01 45 23 00-0077 EA Constant Head Permeability Test For Granular Soils, ASTM D2432.....	262.74	

**01 General Requirements****01 40 Quality Requirements****01 45 Quality Control**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

01 45 23 00-0078	Insitu Tests <small>(01 45 23 00-0001)</small>		
01 45 23 00-0079	EA Standard Penetration With Split Spoon.....	15.72	
01 45 23 00-0080	EA Split Spoon (Tripod).....	29.34	
01 45 23 00-0081	EA Thin Walled Tube/Shelby.....	83.84	
01 45 23 00-0082	VLF Cone Penetrometer.....	6.29	
01 45 23 00-0083	EA Pressuremeter Insitu Test.....	157.20	
01 45 23 00-0084	VLF Dilatometer Insitu Test.....	3.14	
01 45 23 00-0085	EA Permeability.....	104.80	
01 45 23 00-0086	VLF Observation Well With SB.....	14.67	
01 45 23 00-0087	VLF Observation Well Without SB.....	20.96	
01 45 23 00-0088	EA Slope Indicator Casing.....	36.68	
01 45 23 00-0089	Concrete/Cement/Asphalt Testing <small>(01 45 23)</small>		
01 45 23 00-0090	Concrete Testing <small>(01 45 23 00-0089)</small>		
01 45 23 00-0091	EA Prepare 6 x 12 Concrete Cylinder And Deliver To Lab.....	12.29	
01 45 23 00-0092	EA 6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633.....	39.41	
01 45 23 00-0093	EA Concrete Cores Compression Test, ASTM C-42.....	80.64	
01 45 23 00-0094	EA 6 x 6 x 18 Concrete Flexural Test, ASTM C-78.....	117.86	
01 45 23 00-0095	EA Unit Weight Of Concrete Cylinder, ASTM C-567.....	43.42	
01 45 23 00-0096	EA Concrete Mix Design Review.....	235.71	
01 45 23 00-0097	EA Trial Concrete Batch Prepared In Laboratory.....	558.27	
01 45 23 00-0098	EA Concrete Shrinkage, ASTM C-157 Modified.....	434.21	
01 45 23 00-0099	EA 6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496.....	66.99	
01 45 23 00-0100	EA Concrete Slump Test, ASTM C143.....	31.02	
01 45 23 00-0101	EA Concrete Air Content Test, ASTM C138, ASTM C173, Or ASTM C231.....	31.02	
01 45 23 00-0102	Cement Testing <small>(01 45 23 00-0089)</small>		
01 45 23 00-0103	EA Cement Grab Sample (CCR Title 24).....	31.02	
	Note: Includes sealing and storing 1 year.		
01 45 23 00-0104	EA 2" x 2" x 2" Cube Compression Test, All Type Materials.....	49.62	
01 45 23 00-0105	Asphaltic Concrete Testing <small>(01 45 23 00-0089)</small>		
01 45 23 00-0106	EA Hveem Asphaltic Concrete Stability Test, CA 366.....	62.03	
01 45 23 00-0107	EA Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927.....	161.28	
01 45 23 00-0108	EA Stability Tests, Premixed, ASTM D1559.....	62.03	
01 45 23 00-0109	EA Stability Tests, Lab. Mixed, ASTM D1559.....	161.28	
01 45 23 00-0110	EA Swell Test, CA 305.....	74.44	
	Note: Includes compaction.		
01 45 23 00-0111	EA % Asphalt Extraction Test, ASTM D-2172 B.....	186.09	
01 45 23 00-0112	EA Gradation On Extracted Sample, ASTM D-5444.....	124.06	
01 45 23 00-0113	EA Maximum Theoretical Unit Weight, ASTM C2041.....	118.23	
01 45 23 00-0114	EA Unit Weight Sample Requiring Compaction, California Test Method 308.....	24.81	
01 45 23 00-0115	EA Asphalt Unit Weight On Core Test, CA 308C.....	24.81	
01 45 23 00-0116	HR Nuclear Field Density Testing, 4 Hour Minimum.....	127.78	
01 45 23 00-0117	EA Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664.....	83.71	
01 45 23 00-0118	EA Penetration, ASTM D5.....	89.61	
01 45 23 00-0119	Masonry/Concrete Block/Tile Testing <small>(01 45 23)</small>		
01 45 23 00-0120	Masonry Testing <small>(01 45 23 00-0119)</small>		
01 45 23 00-0121	EA 2" x 4" Cylinder Mortar Compression Test.....	40.94	
01 45 23 00-0122	EA 4" x 4" x 8" Grout Prisms Compression Test.....	40.94	
01 45 23 00-0123	EA Masonry Cores Compression Test.....	80.64	
01 45 23 00-0124	EA Composite Grouted Prism Compression Test.....	155.08	
01 45 23 00-0125	Concrete Block Testing (ASTM C140 Or CMA Per Specimen) <small>(01 45 23 00-0119)</small>		
01 45 23 00-0126	EA Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140.....	99.25	
01 45 23 00-0127	EA Absorption Test, Moisture Content And Unit Weight.....	68.23	
01 45 23 00-0128	EA Moisture Condition By Relative Humidity, ASTM C427, First Unit.....	260.43	
01 45 23 00-0129	EA Moisture Condition By Relative Humidity, ASTM C427, Additional Unit.....	130.22	
01 45 23 00-0130	Metals Testing <small>(01 45 23)</small>		
01 45 23 00-0131	Tank Tightness Testing <small>(01 45 23 00-0130)</small>		
01 45 23 00-0132	GAL Up To 20 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks.....	4.96	
01 45 23 00-0133	GAL >20 To 120 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks.....	4.25	
01 45 23 00-0134	EA Up To 12,000 Gallons, Tank Volumetric Tightness Testing.....	1,275.38	
01 45 23 00-0135	EA >12,000 To 29,999 Gallons, Tank Volumetric Tightness Testing.....	1,558.30	
01 45 23 00-0136	EA >29,999 Gallons, Tank Volumetric Tightness Testing.....	1,984.55	
01 45 23 00-0137	Tank Line Tightness Testing <small>(01 45 23 00-0130)</small>		



<b>General Requirements</b>	<b>01</b>	<b>10</b>
Quality Requirements	01 40	
Quality Control	01 45	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0138 EA Up To 12,000 Gallons, Tank Line Volumetric Tightness Testing .....	269.11	
01 45 23 00-0139 EA >12,000 To 29,999 Gallons, Tank Line Volumetric Tightness Testing.....	298.82	
01 45 23 00-0140 EA >29,999 Gallons, Tank Line Volumetric Tightness Testing.....	328.42	
<b>01 45 23 00-0141 Other Testing (01 45 23)</b>		
<b>01 45 23 00-0142 Special Testing (01 45 23 00-0141)</b>		
01 45 23 00-0143 EA Asphalt Roofing Cut-out Samples, To Determine Unit Weight.....	96.16	
01 45 23 00-0144 EA Complete Built-Up Roof Analysis, ASTM D2829 Or ASTM D3617 .....	576.97	
01 45 23 00-0145 EA Bacteria Test (Total Coliform Bacteria And E. Coli Bacteria).....	29.01	
01 45 23 00-0146 EA Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Caulk, Analysis Per Sample.....	120.25	
01 45 23 00-0147 EA Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Soil, Analysis Per Sample.....	120.25	
01 45 23 00-0148 EA Testing For The Presence Of Polychlorinated Biphenyl (PCB) Using Wipe Sampling, Analysis Per Sample.....	120.25	
01 45 23 00-0149 EA Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Air, Analysis Per Sample .....	661.38	
<b>01 45 23 00-0150 Nondestructive Field Testing Services (01 45 23 00-0141)</b>		
<b>01 45 23 00-0151 Infrared Thermography (01 45 23 00-0150)</b>		
Note: The following tasks use certified infrared (IR) thermographers, such as Stockton Infrared Thermographic Services, Inc. and United Infrared, Inc., to scan for specific problems and produce a report on the findings. The contractor is entitled to the mobilization charge and the appropriate square foot or hourly task.		
<b>01 45 23 00-0152 Roof Investigation And Moisture Survey Using Infrared Thermography (01 45 23 00-0151)</b>		
Note: For on the roof surveys.		
01 45 23 00-0153 EA Roof Investigation And Moisture Survey Using Infrared Thermography, Mobilization Charge.....	2,164.50	
01 45 23 00-0154 CSF Up To 10,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography .....	3.61	
<i>For CADD Drawings, Add</i>		
	0.72	
01 45 23 00-0155 CSF >10,000 To 50,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography.....	2.40	
<i>For CADD Drawings, Add</i>		
	0.48	
01 45 23 00-0156 CSF >50,000 To 250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography.....	1.80	
<i>For CADD Drawings, Add</i>		
	0.36	
<i>For Elevated Infrared Thermography Roof Investigation, Add</i>		
	0.45	
<i>For Aerial Infrared Thermography Roof Investigation, Add</i>		
	0.45	
01 45 23 00-0157 CSF >250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography.....	1.20	
<i>For CADD Drawings, Add</i>		
	0.24	
<i>For Elevated Infrared Thermography Roof Investigation, Add</i>		
	0.30	
<i>For Aerial Infrared Thermography Roof Investigation, Add</i>		
	0.30	
<b>01 45 23 00-0158 Building Moisture Investigation Using Infrared Thermography (01 45 23 00-0151)</b>		
Note: For finding moisture in walls and windows.		
01 45 23 00-0159 EA Building Moisture Investigation Using Infrared Thermography, Mobilization Charge.....	1,142.38	
01 45 23 00-0160 CSF Up To 1,000 SF, Building Moisture Investigation Using Infrared Thermography .....	3.61	
<i>For Digital Or Analog Recording Of All Items, Add</i>		
	1.81	
01 45 23 00-0161 CSF >1,000 To 5,000 SF, Building Moisture Investigation Using Infrared Thermography.....	2.40	
<i>For Digital Or Analog Recording Of All Items, Add</i>		
	1.20	
01 45 23 00-0162 CSF >5,000 SF, Building Moisture Investigation Using Infrared Thermography.....	1.20	
<i>For Digital Or Analog Recording Of All Items, Add</i>		
	0.60	
<b>01 45 23 00-0163 General Building Investigation Using Infrared Thermography (01 45 23 00-0151)</b>		
Note: For finding missing or misplaced insulation, air leakage and delamination.		
01 45 23 00-0164 EA General Building Investigation Using Infrared Thermography, Mobilization Charge.....	2,344.88	
01 45 23 00-0165 CSF Up To 1,000 SF, General Building Investigation Using Infrared Thermography .....	3.61	
<i>For Digital Or Analog Recording Of All Items, Add</i>		
	1.81	
01 45 23 00-0166 CSF >1,000 To 5,000 SF, General Building Investigation Using Infrared Thermography.....	2.40	
<i>For Digital Or Analog Recording Of All Items, Add</i>		
	1.20	
01 45 23 00-0167 CSF >5,000 SF, General Building Investigation Using Infrared Thermography .....	1.20	
<i>For Digital Or Analog Recording Of All Items, Add</i>		
	0.60	
<b>01 45 23 00-0168 Electrical /Mechanical Equipment Scanning Using Infrared Thermography (01 45 23 00-0151)</b>		
Note: For diagnosing electrical issues such as loose connections, overloaded or imbalanced circuits, faulty breakers, damaged switches, faulty fuses, etc. For diagnosing electrical issues caused by resistance and mechanical issues caused by friction.		
01 45 23 00-0169 EA Electrical /Mechanical Equipment Scanning Using Infrared Thermography, Mobilization Charge.....	1,142.38	
01 45 23 00-0170 HR Electrical /Mechanical Equipment Scanning Using Infrared Thermography .....	130.61	
<i>For Digital Or Analog Recording Of All Items, Add</i>		
	19.54	
<b>01 45 23 00-0171 Concrete Block Wall Investigation Using Infrared Thermography (01 45 23 00-0151)</b>		
Note: For investigating issues with grouted cells, bond beams and other structural components in concrete block walls.		
01 45 23 00-0172 EA Concrete Block Wall Investigation Using Infrared Thermography, Mobilization Charge .....	1,142.38	
01 45 23 00-0173 CSF Up To 50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography.....	3.61	
<i>For Digital Or Analog Recording Of All Items, Add</i>		
	0.54	
01 45 23 00-0174 CSF >50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography .....	2.40	
<i>For Digital Or Analog Recording Of All Items, Add</i>		
	0.36	

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 40</b>	<b>Quality Requirements</b>
	<b>01 45</b>	<b>Quality Control</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>01 45 23 00-0175</b>	<b>Other Nondestructive Field Testing Services <small>(01 45 23 00-0150)</small></b>	
01 45 23 00-0176 HR ASNT Certified Level I NDT Consultant.....	103.62	
01 45 23 00-0177 HR ASNT Certified Level II NDT Consultant.....	89.60	
01 45 23 00-0178 HR ASNT Certified Level III NDT Consultant.....	70.40	
01 45 23 00-0179 HR Certified Industrial Radiography Radiation Safety Personnel.....	117.80	

**01 50 Temporary Facilities And Controls (01)**

Note: Tasks in this section shall be used as directed by owner.

**01 51 Temporary Utilities (01 50)**

**01 51 13 Temporary Electricity (01 51)**

**01 51 13 00-0001 Service Switch And/Or Building Feeder Switch (01 51 13)**  
 Note: Includes all connections and removal after use.

01 51 13 00-0002 EA Temporary 100 Amp, NEMA 1 Or 3R Disconnect Switch With Fuses.....	1,111.22
01 51 13 00-0003 EA Temporary 200 Amp, NEMA 1 Or 3R Disconnect Switch With Fuses.....	1,702.15

**01 51 13 00-0004 120/208 Volt Main Lug Panelboard Complete With Branch Fuses (01 51 13)**  
 Note: Includes mounting on wall and removal after use.

01 51 13 00-0005 EA Temporary 100 Amp Panelboard Complete With GFCI Circuit Breakers.....	1,243.09
01 51 13 00-0006 EA Temporary 200 Amp Panelboard Complete With GFCI Circuit Breakers.....	1,650.46

**01 51 13 00-0007 Temporary Conduit And Cable For Temporary Disconnect Switches And Temporary Panelboards (01 51 13)**  
 Note: Includes all connections, fittings, supports and removal after use.

01 51 13 00-0008 LF Temporary SER Cable (Conduit As Required) For Temporary Disconnect Switches And Temporary Panelboards.....	6.63
01 51 13 00-0009 LF Temporary Branch Circuit Conduit And Wiring For Temporary Disconnect Switches And Temporary Panelboards.....	7.26

**01 51 13 00-0010 Cord Grip Plug (01 51 13)**  
 Note: Includes installation, a maximum of 50' of cord, connection to source and removal after use.

01 51 13 00-0011 EA Temporary 2 Pole Cord Grip Plug With Installation.....	201.01
01 51 13 00-0012 EA Temporary 3 Pole Cord Grip Plug With Installation.....	297.38
01 51 13 00-0013 EA Temporary 4 Pole Cord Grip Plug With Installation.....	371.68
01 51 13 00-0014 EA Temporary 3 Pole (30 A) Cord Grip Plug With Installation.....	287.94
01 51 13 00-0015 EA Temporary 4 Pole (30 A) Cord Grip Plug With Installation.....	356.58
01 51 13 00-0016 EA Temporary 3 Pole (50 A) Cord Grip Plug With Installation.....	321.49

**01 51 26 Temporary Lighting (01 51)**

**01 51 26 00-0001 Temporary Devices (01 51 26)**  
 Note: Includes removal after use.

01 51 26 00-0002 EA Temporary Exit Light.....	246.00
01 51 26 00-0003 EA Temporary 10 Light String With Cages.....	79.73
01 51 26 00-0004 EA Temporary High Bay Light.....	285.39

**01 52 Construction Facilities (01 50)**

Note: Tasks in this section shall be used as directed by owner for owner's use. See CSI section 13 34 23 13-0045 for anchors for holding down portable buildings and structures where required.

**01 52 13 Field Offices And Sheds (01 52)**

**01 52 13 00-0001 Field Offices (01 52 13)**  
 Note: Excludes furniture, utility connections and service. Minimum 6 months rental.

01 52 13 00-0002 MO 8' x 24' Mobile Office, With Toilet.....	201.37
For Each Delivery And Removal, Two Round Trips, Add	522.43
For Each Set-Up (Block And Level), Add	275.80
For Each Anchoring Into Dirt, Add	101.49
For Each Anchoring Into Asphalt Or Concrete, Add	152.24
For Office Trailer Without Toilet, Deduct	-40.27
01 52 13 00-0003 MO 8' x 32' Mobile Office, With Toilet.....	228.21
For Each Delivery And Removal, Two Round Trips, Add	522.43
For Each Set-Up (Block And Level), Add	275.80
For Each Anchoring Into Dirt, Add	101.49
For Each Anchoring Into Asphalt Or Concrete, Add	152.24
For Office Trailer Without Toilet, Deduct	-45.64
01 52 13 00-0004 MO 10' x 36' Mobile Office, With Toilet.....	308.77
For Each Delivery And Removal, Two Round Trips, Add	740.11
For Each Set-Up (Block And Level), Add	450.00
For Each Anchoring Into Dirt, Add	101.49
For Each Anchoring Into Asphalt Or Concrete, Add	152.24
For Office Trailer Without Toilet, Deduct	-61.75



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 13 00-0005 MO 10' x 40' Mobile Office, With Toilet.....	328.90	
For Each Delivery And Removal, Two Round Trips, Add	740.11	
For Each Set-Up (Block And Level), Add	450.00	
For Each Anchoring Into Dirt, Add	101.49	
For Each Anchoring Into Asphalt Or Concrete, Add	152.24	
For Office Trailer Without Toilet, Deduct	-65.78	
01 52 13 00-0006 MO 10' x 44' Mobile Office, With Toilet.....	362.46	
For Each Delivery And Removal, Two Round Trips, Add	740.11	
For Each Set-Up (Block And Level), Add	450.00	
For Each Anchoring Into Dirt, Add	101.49	
For Each Anchoring Into Asphalt Or Concrete, Add	152.24	
01 52 13 00-0007 MO 10' x 50' Mobile Office, With Toilet.....	382.60	
For Each Delivery And Removal, Two Round Trips, Add	740.11	
For Each Set-Up (Block And Level), Add	450.00	
For Each Anchoring Into Dirt, Add	101.49	
For Each Anchoring Into Asphalt Or Concrete, Add	152.24	
01 52 13 00-0008 MO 12' x 32' Mobile Office, With Toilet.....	296.01	
For Each Anchoring Into Dirt, Add	101.49	
For Each Anchoring Into Asphalt Or Concrete, Add	152.24	
For Each Delivery And Set-Up (Block And Level), Add	716.86	
For Each Knock-Down And Pick-Up, Add	521.86	
01 52 13 00-0009 MO 12' x 44' Mobile Office, With Toilet.....	395.76	
For Each Delivery And Removal, Two Round Trips, Add	740.11	
For Each Set-Up (Block And Level), Add	450.00	
For Each Anchoring Into Dirt, Add	101.49	
For Each Anchoring Into Asphalt Or Concrete, Add	152.24	
01 52 13 00-0010 MO 12' x 50' Mobile Office, With Toilet.....	449.72	
For Each Delivery And Removal, Two Round Trips, Add	740.11	
For Each Set-Up (Block And Level), Add	450.00	
For Each Anchoring Into Dirt, Add	101.49	
For Each Anchoring Into Asphalt Or Concrete, Add	152.24	
01 52 13 00-0011 MO 12' x 60' Mobile Office, With Toilet.....	490.00	
For Each Delivery And Removal, Two Round Trips, Add	740.11	
For Each Set-Up (Block And Level), Add	450.00	
For Each Anchoring Into Dirt, Add	101.49	
For Each Anchoring Into Asphalt Or Concrete, Add	152.24	
01 52 13 00-0012 MO 24' x 60' Modular Office, With Toilet.....	1,073.96	
For Each Delivery And Removal, Two Round Trips, Add	1,393.14	
For Each Set-Up (Block And Level), Add	725.80	
For Each Anchoring Into Dirt, Add	101.49	
For Each Anchoring Into Asphalt Or Concrete, Add	152.24	
01 52 13 00-0013 MO 24' x 72' Modular Office, With Toilet.....	1,288.75	
For Each Delivery And Removal, Two Round Trips, Add	1,393.14	
For Each Set-Up (Block And Level), Add	725.80	
For Each Anchoring Into Dirt, Add	101.49	
For Each Anchoring Into Asphalt Or Concrete, Add	152.24	
01 52 13 00-0014 MO 30' x 30' Modular Office, With Toilet.....	612.49	
For Each Delivery And Removal, Two Round Trips, Add	1,393.14	
For Each Set-Up (Block And Level), Add	725.80	
For Each Anchoring Into Dirt, Add	101.49	
For Each Anchoring Into Asphalt Or Concrete, Add	152.24	
<b>01 52 13 00-0015 Accessories For Field Office Trailers (01 52 13)</b>		
Note: Costs includes installation or placement in trailer.		
01 52 13 00-0016 MO Desk For Field Office Trailer.....	32.00	
01 52 13 00-0017 MO Rolling Desk Chair For Field Office Trailer.....	20.00	
01 52 13 00-0018 MO File Cabinet For Field Office Trailer.....	24.00	
01 52 13 00-0019 MO Table For Field Office Trailer.....	16.00	
01 52 13 00-0020 MO Folding Chair For Field Office Trailer.....	7.58	
01 52 13 00-0021 EA Phone Hook-Up For Field Office Trailer.....	88.01	
01 52 13 00-0022 MO Local Phone Service Per Phone Line For Field Office Trailer.....	56.01	
01 52 13 00-0023 MO Security System With Monitoring For Field Office Trailer.....	100.84	
01 52 13 00-0024 LF Perimeter Vinyl Trailer Skirting For Field Office Trailer.....	10.92	
01 52 13 00-0025 LF Insulated Perimeter Trailer Skirting For Field Office Trailer.....	25.88	
01 52 13 00-0026 MO Steps For Field Office Trailer.....	60.00	
01 52 13 00-0027 MO Fax Machine For Field Office Trailer.....	40.00	
01 52 13 00-0028 MO Copier For Field Office Trailer.....	64.01	
<b>01 52 13 00-0029 Storage Containers (01 52 13)</b>		
01 52 13 00-0030 MO 8' x 8' x 10' Storage Container.....	80.07	
For Each Delivery And Removal, Two Round Trips, Add	203.12	
For >12 Months, Deduct	-24.02	
01 52 13 00-0031 MO 8' x 8' x 20' Storage Container.....	83.71	
For Each Delivery And Removal, Two Round Trips, Add	223.44	
For >12 Months, Deduct	-25.11	
01 52 13 00-0032 MO 8' x 8' x 40' Storage Container.....	98.99	
For Each Delivery And Removal, Two Round Trips, Add	450.00	
For >12 Months, Deduct	-29.70	

**01 52 19 Sanitary Facilities (01 52)**

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 50</b>	<b>Temporary Facilities And Controls</b>
	<b>01 52</b>	<b>Construction Facilities</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>01 52 19 00-0001</b>	<b>Portable Toilets</b> <small>(01 52 19)</small>		
	Note: Includes set-up, servicing once per week and removal.		
01 52 19 00-0002	WK Portable Chemical Toilet.....	58.33	
	For Each Additional Servicing Per Unit Per Week, Add	25.00	
	For Each Delivery, Add	35.00	
01 52 19 00-0003	MO Portable Chemical Toilet.....	175.00	
	For Each Additional Servicing Per Unit Per Week, Add	25.00	
	For Each Delivery, Add	35.00	
01 52 19 00-0004	WK ADA Portable Chemical Toilet.....	69.58	
	For Each Additional Servicing Per Unit Per Week, Add	25.00	
	For Each Delivery, Add	35.00	
01 52 19 00-0005	MO ADA Portable Chemical Toilet.....	204.17	
	For Each Additional Servicing Per Unit Per Week, Add	25.00	
	For Each Delivery, Add	35.00	
01 52 19 00-0006	WK Two Station Portable Handwash.....	30.66	
	For Each Delivery, Add	35.00	
01 52 19 00-0007	MO Two Station Portable Handwash.....	93.01	
	For Each Delivery, Add	35.00	

**01 53 Temporary Construction** (01 50)

**01 53 16 Temporary Decking** (01 53)

<b>01 53 16 00-0001</b>	<b>Temporary Walkways And Railings</b> <small>(01 53 16)</small>		
	Note: Includes removal after use.		
01 53 16 00-0002	SF Temporary Wood Walkway, 3/4" Plywood On 2 x 6 Stringers.....	3.85	
01 53 16 00-0003	LF Temporary Wooden Guardrail, 42" High, Posts, Handrail, And Intermediate Rail.....	12.68	
01 53 16 00-0004	LF Temporary Wood Guardrail Base, 12" x 12" Timber Beam.....	7.94	
01 53 16 00-0005	RSR Temporary Wood Stairs, Tread And Riser On 2" x 12" Stringers.....	11.83	

**01 53 23 Temporary Ramps** (01 53)

<b>01 53 23 00-0001</b>	<b>Temporary Plywood For Wheel Barrow Access</b> <small>(01 53 23)</small>		
	Note: Includes removal after use.		
01 53 23 00-0002	SF Temporary Plywood For Wheel Barrow Access.....	0.60	0.16

**01 54 Construction Aids** (01 50)

**01 54 23 Temporary Scaffolding And Platforms** (01 54)

<b>01 54 23 00-0001</b>	<b>Scaffolding</b> <small>(01 54 23)</small>		
	Note: Additional scaffolding rental for work above the normal working height of 14'.		
<b>01 54 23 00-0002</b>	<b>Scaffolding Rental - Rental Only</b> <small>(01 54 23 00-0001)</small>		
	Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc. See CSI section 01 54 23 00-0006 for scaffolding erection and dismantling.		
01 54 23 00-0003	CCF Scaffolding With Bracing Accessories - Area Based On 5' Wide Sections (CCF / Month).....	21.82	
	For Up To 25, Add	8.73	
	For >25 To 50, Add	5.46	
	For >50 To 150, Add	2.18	
01 54 23 00-0004	CCF Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month).....	24.53	
	For Up To 25, Add	9.81	
	For >25 To 50, Add	6.13	
	For >50 To 150, Add	2.45	
01 54 23 00-0005	CCF Scaffolding With Bracing Accessories - Area Based On 3' Wide Sections (CCF / Month).....	32.73	
	For Up To 25, Add	13.09	
	For >25 To 50, Add	8.18	
	For >50 To 150, Add	3.27	
<b>01 54 23 00-0006</b>	<b>Scaffolding Erection And Dismantling - Labor Only</b> <small>(01 54 23 00-0001)</small>		
	Note: Includes both initial erection and final dismantling. Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0002 for scaffolding rental.		
01 54 23 00-0007	CCF Up To 20' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	19.61	
01 54 23 00-0008	CCF >20' To 40' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	24.53	
01 54 23 00-0009	CCF >40' To 60' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	29.43	
01 54 23 00-0010	CCF >60' To 80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	32.37	
01 54 23 00-0011	CCF >80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	37.27	
<b>01 54 23 00-0012</b>	<b>Heavy Duty Masonry Scaffolding Rental - Rental Only</b> <small>(01 54 23 00-0001)</small>		
	Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps, flat plate, connectors and building ties, etc. See CSI section 01 54 23 00-0018 for erection.		
01 54 23 00-0013	CCF Heavy Duty Masonry Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month).....	38.27	
01 54 23 00-0014	CCF Heavy Duty Masonry Scaffolding With Bracing Accessories - Area Based On 2' Wide Sections (CCF / Month).....	70.16	
01 54 23 00-0015	LF Aluminum Joists (LF / Month).....	6.22	
01 54 23 00-0016	LF Aluminum Stringers (LF / Month).....	8.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 23 00-0017 EA Screw Jack With U-Plate For Stringers (EA / Month).....	11.25	
<b>01 54 23 00-0018 Heavy Duty Masonry Scaffolding Erection And Dismantling - Labor Only</b> <sup>(01 54 23 00-0001)</sup> Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0012 for scaffolding rental.		
01 54 23 00-0019 CCF Up To 20' Height Heavy Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	31.39	
01 54 23 00-0020 CCF >20' To 40' Height Heavy Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	39.23	
01 54 23 00-0021 CCF >40' To 60' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	47.08	
01 54 23 00-0022 CCF >60' To 80' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	51.00	
01 54 23 00-0023 CCF >80' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	56.89	
<b>01 54 23 00-0024 Scaffolding Accessories</b> <sup>(01 54 23 00-0001)</sup> See CSI section 01 54 23 00-0018 for erection.		
01 54 23 00-0025 CSF Netting for Exterior Building Scaffolding ..... Note: Includes removal after use.	19.37	
<b>01 54 23 00-0026 Mobile Mast Climbing Scaffolding</b> <sup>(01 54 23)</sup> Note: Per month.		
<b>01 54 23 00-0027 Fraco FRSM ACT Solution Single Mast, Mast Climbing Scaffolding Per Month</b> <sup>(01 54 23 00-0026)</sup>		
01 54 23 00-0028 MO Single Mast Climber, 175' High Mast x 35' Wide Platform.....	3,300.00	
01 54 23 00-0029 EA Delivery/Pick-up Fee For Single Mast Climber ..... Note: Excludes erection or dismantle.	2,400.00	
01 54 23 00-0030 EA Erection For Single Mast Climber.....	3,000.00	
01 54 23 00-0031 EA Dismantle For Single Mast Climber.....	2,500.00	
01 54 23 00-0032 SF Additional Scaffolding Planks, Wood, 2".....	0.52	
<b>01 54 23 00-0033 Rolling Scaffolding</b> <sup>(01 54 23)</sup> Note: Includes moving and relocating scaffolding on site. Excludes initial erection and final dismantling of scaffold.		
01 54 23 00-0034 DAY Rolling Scaffolding >14' To 20' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	8.29	
01 54 23 00-0035 WK Rolling Scaffolding >14' To 20' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	33.21	
01 54 23 00-0036 MO Rolling Scaffolding >14' To 20' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	132.82	
01 54 23 00-0037 DAY Rolling Scaffolding >20' To 40' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	13.87	
01 54 23 00-0038 WK Rolling Scaffolding >20' To 40' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	55.56	
01 54 23 00-0039 MO Rolling Scaffolding >20' To 40' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	222.27	
01 54 23 00-0040 EA Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold, >14' To 20'.....	48.69	
01 54 23 00-0041 EA Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold, >20' To 40'.....	60.86	
<b>01 54 23 00-0042 Shoring Posts</b> <sup>(01 54 23)</sup> Note: Includes moving to perform task and removal after use. No additional cost for relocating will be allowed.		
01 54 23 00-0043 DAY 6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post.....	4.49	
01 54 23 00-0044 WK 6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post.....	13.48	
01 54 23 00-0045 MO 6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post.....	22.47	
<b>01 54 23 00-0046 Temporary Lumber For Platforms, Scaffolding And Bracing</b> <sup>(01 54 23)</sup> Note: Includes removal after use.		
01 54 23 00-0047 SF 5/16" CD Grade Plywood, Temporary Lumber.....	0.78	0.24
01 54 23 00-0048 SF 1/2" CD Grade Plywood, Temporary Lumber.....	1.02	0.24
01 54 23 00-0049 SF 5/8" CD Grade Plywood, Temporary Lumber.....	1.13	0.24
01 54 23 00-0050 SF 3/4" CD Grade Plywood, Temporary Lumber.....	1.32	0.24
01 54 23 00-0051 SF 1" CD Grade Plywood, Temporary Lumber.....	2.09	0.36
01 54 23 00-0052 LF 2" x 4" Temporary Lumber.....	0.74	0.49
01 54 23 00-0053 LF 2" x 6" Temporary Lumber.....	1.10	0.49
01 54 23 00-0054 LF 2" x 8" Temporary Lumber.....	1.47	0.49
01 54 23 00-0055 LF 2" x 10" Temporary Lumber.....	1.85	0.49
01 54 23 00-0056 LF 2" x 12" Temporary Lumber.....	2.21	0.49
01 54 23 00-0057 LF 3" x 8" Temporary Lumber.....	2.21	0.49
01 54 23 00-0058 LF 3" x 10" Temporary Lumber.....	2.76	0.49
01 54 23 00-0059 LF 3" x 12" Temporary Lumber.....	3.32	0.49
01 54 23 00-0060 LF 4" x 4" Temporary Lumber.....	1.52	0.25
01 54 23 00-0061 LF 4" x 6" Temporary Lumber.....	2.29	0.31
01 54 23 00-0062 LF 6" x 6" Temporary Lumber.....	3.07	0.37
01 54 23 00-0063 LF 6" x 8" Temporary Lumber.....	4.03	0.46
01 54 23 00-0064 LF 12" x 12" Temporary Lumber.....	10.76	0.75
<b>01 54 23 00-0065 Temporary Precast Concrete Blocks</b> <sup>(01 54 23)</sup> Note: Includes removal after use.		



<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 50</b>	<b>Temporary Facilities And Controls</b>
	<b>01 54</b>	<b>Construction Aids</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	01 54 23 00-0066	EA	2' x 2' x 2' Temporary Precast Concrete Block.....	55.80	
	01 54 23 00-0067	EA	2' x 2' x 4' Temporary Precast Concrete Block.....	69.74	
	01 54 23 00-0068	EA	2' x 2' x 8' Temporary Precast Concrete Block.....	83.70	
<b>01 54 26</b>	<b>Temporary Swing Staging (01 54)</b>				
	Note: Up to one month rental. Includes connection to existing electrical outlet on roof, all necessary safety equipment for personnel and anchoring to existing roof anchors. Excludes installing roof anchors.				
	01 54 26 00-0001		<b>Swing Stage (01 54 26)</b>		
	Note: Up to one month rental. Includes connection to existing electrical outlet on roof, and all necessary safety equipment for personnel. Excludes installing roof anchors.				
	01 54 26 00-0002	MO	7' Swing Stage, Electric Operated .....	1,682.26	
	01 54 26 00-0003	MO	10' Swing Stage, Electric Operated .....	1,766.38	
	01 54 26 00-0004	MO	14' Swing Stage, Electric Operated .....	1,850.49	
	01 54 26 00-0005	MO	20' Swing Stage, Electric Operated .....	1,934.60	
	01 54 26 00-0006	MO	24' Swing Stage, Electric Operated .....	2,018.72	
	01 54 26 00-0007	MO	30' Swing Stage, Electric Operated .....	2,102.83	
	01 54 26 00-0008	MO	42' Swing Stage, Electric Operated .....	2,186.94	
	01 54 26 00-0009	MO	12' Swing Stage, Manually Operated.....	485.11	
	01 54 26 00-0010	MO	24' Swing Stage, Manually Operated.....	606.38	
	01 54 26 00-0011	EA	Swing Stage Platform From Hooks, Erection And Dismantling.....	2,074.92	
	Note: Includes both initial erection and final dismantling of platform. Excludes anchors or temporary roof mounted outrigger system.				
	01 54 26 00-0012	EA	Swing Stage Platform And Temporary Roof Mounted Outrigger System Erection And Dismantling .....	2,883.44	
	Note: Includes both initial erection and final dismantling of temporary roof mounted outrigger system.				
	01 54 26 00-0013	EA	Move Swing Stage Platform From Hooks To Different Location At Same Roof.....	1,091.04	
	01 54 26 00-0014	EA	Move Swing Stage Platform and Temporary Roof Mounted Outrigger System To Different Location At Same Roof.....	1,519.65	
<b>01 55</b>	<b>Vehicular Access And Parking (01 50)</b>				
	01 55 26	<b>Traffic Control (01 55)</b>			
	01 55 26 00-0001		<b>Removable Prefomed Traffic Black Line Mask (01 55 26)</b>		
	Note: Includes installation and removal after use.				
	01 55 26 00-0002	LF	6" Removable Traffic Black Line Mask.....	3.82	
	01 55 26 00-0003	LF	8" Removable Traffic Black Line Mask.....	4.82	
	01 55 26 00-0004		<b>Temporary Prefomed Traffic Line Tape (01 55 26)</b>		
	Note: Includes installation and removal after use.				
	01 55 26 00-0005	LF	4" Reflective Removable Traffic Line Tape.....	2.74	
	01 55 26 00-0006	LF	6" Reflective Removable Traffic Line Tape.....	3.79	
	01 55 26 00-0007	LF	8" Reflective Removable Traffic Line Tape.....	4.81	
	01 55 26 00-0008		<b>Temporary Painted Traffic Lines (01 55 26)</b>		
	Note: Includes installation and removal after use.				
	01 55 26 00-0009	LF	4" Temporary Painted Traffic Lines.....	1.10	
	<i>For Not Removed, Deduct</i>				
				-1.50	
	01 55 26 00-0010	LF	6" Temporary Painted Traffic Lines.....	1.45	
	<i>For Not Removed, Deduct</i>				
				-2.02	
	01 55 26 00-0011	LF	8" Temporary Painted Traffic Lines.....	1.83	
	<i>For Not Removed, Deduct</i>				
				-2.56	
	01 55 26 00-0012		<b>Pedestrian Traffic Control (01 55 26)</b>		
	01 55 26 00-0013	CLF	1", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange .....	9.44	
	01 55 26 00-0014	CLF	2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange .....	13.48	
	01 55 26 00-0015	CLF	3/4", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow.....	5.78	
	01 55 26 00-0016	CLF	2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow.....	7.62	
	01 55 26 00-0017	CLF	3", 4 Mil Polyethylene Printed Barricade Tape, Non Fluorescent.....	9.05	
	01 55 26 00-0018	CLF	6", 4 Mil Polyethylene Printed Barricade Tape, Non Fluorescent.....	14.29	
	01 55 26 00-0019	CLF	1" Exterior Vinyl Tape (Warning Tape).....	12.58	
	01 55 26 00-0020	CLF	2" Exterior Vinyl Tape (Warning Tape).....	19.43	
	01 55 26 00-0021	CLF	3" Exterior Vinyl Tape (Warning Tape).....	26.57	
	01 55 26 00-0022	CLF	4" Exterior Vinyl Tape (Warning Tape).....	31.22	
	01 55 26 00-0023		<b>Linear Delineation System, Temporary Or Permanent (01 55 26)</b>		
	Note: High visibility reflective sheeting strips. Scotchlite as manufactured by 3M.				
	01 55 26 00-0024	LF	4" Linear Delineation System.....	6.13	
	01 55 26 00-0025	LF	6" Linear Delineation System.....	8.38	
	01 55 26 00-0026		<b>Traffic Protection (01 55 26)</b>		
	01 55 26 00-0027		<b>Portable Traffic Control Device Usage (01 55 26 00-0026)</b>		
	Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0103 for delivery, placing and removal.				
	01 55 26 00-0028	DAY	28" Cone With Reflective Collar.....	0.48	
	01 55 26 00-0029	WK	28" Cone With Reflective Collar.....	1.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0030 MO 28" Cone With Reflective Collar.....	4.34	
01 55 26 00-0031 DAY Vertical Panel.....	1.46	
01 55 26 00-0032 WK Vertical Panel.....	4.37	
01 55 26 00-0033 MO Vertical Panel.....	13.11	
01 55 26 00-0034 DAY Channelizer Drum.....	1.58	
01 55 26 00-0035 WK Channelizer Drum.....	4.75	
01 55 26 00-0036 MO Channelizer Drum.....	14.24	
01 55 26 00-0037 DAY Stackable Channelizer Panel.....	0.75	
01 55 26 00-0038 WK Stackable Channelizer Panel.....	2.24	
01 55 26 00-0039 MO Stackable Channelizer Panel.....	6.73	
01 55 26 00-0040 DAY Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	1.04	
01 55 26 00-0041 WK Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	3.11	
01 55 26 00-0042 MO Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	9.32	
01 55 26 00-0043 DAY Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	2.30	
01 55 26 00-0044 WK Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	6.89	
01 55 26 00-0045 MO Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	20.66	
01 55 26 00-0046 DAY Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	2.62	
01 55 26 00-0047 WK Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	7.85	
01 55 26 00-0048 MO Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	23.55	
01 55 26 00-0049 DAY Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	4.79	
01 55 26 00-0050 WK Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	14.36	
01 55 26 00-0051 MO Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	43.08	
01 55 26 00-0052 DAY Up To 10' Wide A Frame Barricade.....	2.63	
01 55 26 00-0053 WK Up To 10' Wide A Frame Barricade.....	7.88	
01 55 26 00-0054 MO Up To 10' Wide A Frame Barricade.....	23.63	
01 55 26 00-0055 DAY Type A Or C Flasher.....	0.54	
01 55 26 00-0056 WK Type A Or C Flasher.....	1.60	
01 55 26 00-0057 MO Type A Or C Flasher.....	4.82	
01 55 26 00-0058 DAY Type B Flasher (High Intensity).....	2.90	
01 55 26 00-0059 WK Type B Flasher (High Intensity).....	8.71	
01 55 26 00-0060 MO Type B Flasher (High Intensity).....	26.12	

**01 55 26 00-0061**

**Traffic Barriers Usage** (01 55 26 00-0026)

Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0103 for delivery, placing and removal.

01 55 26 00-0062 DAY 6' Long Portable Parking Curbs.....	1.25	
01 55 26 00-0063 WK 6' Long Portable Parking Curbs.....	3.75	
01 55 26 00-0064 MO 6' Long Portable Parking Curbs.....	11.25	
01 55 26 00-0065 DAY 6' Long Portable Speed Bumps.....	3.70	
01 55 26 00-0066 WK 6' Long Portable Speed Bumps.....	11.10	
01 55 26 00-0067 MO 6' Long Portable Speed Bumps.....	33.30	
01 55 26 00-0068 DAY Up To 12.5' Concrete Traffic Barrier.....	8.89	
01 55 26 00-0069 WK Up To 12.5' Concrete Traffic Barrier.....	26.66	
01 55 26 00-0070 MO Up To 12.5' Concrete Traffic Barrier.....	79.99	
01 55 26 00-0071 DAY >12.5' To 20' Concrete Traffic Barrier.....	17.78	
01 55 26 00-0072 WK >12.5' To 20' Concrete Traffic Barrier.....	53.33	
01 55 26 00-0073 MO >12.5' To 20' Concrete Traffic Barrier.....	159.99	
01 55 26 00-0074 DAY 6' x 32" Tall Plastic Water Barrier.....	10.61	
01 55 26 00-0075 WK 6' x 32" Tall Plastic Water Barrier.....	31.84	
01 55 26 00-0076 MO 6' x 32" Tall Plastic Water Barrier.....	95.52	
01 55 26 00-0077 DAY 6' x 46" Tall Plastic Water Barrier.....	15.16	
01 55 26 00-0078 WK 6' x 46" Tall Plastic Water Barrier.....	45.47	
01 55 26 00-0079 MO 6' x 46" Tall Plastic Water Barrier.....	136.40	
01 55 26 00-0080 DAY Sand Filled Crash Attenuator Barrels.....	5.93	
01 55 26 00-0081 WK Sand Filled Crash Attenuator Barrels.....	17.80	
01 55 26 00-0082 MO Sand Filled Crash Attenuator Barrels.....	53.39	
01 55 26 00-0083 MON 24" Wide x 32" High x 32' Long, Anchorless Water Filler, Non Redirective, Bi-Directional Impact Attenuator (ABSORB 350® BARRIER).....	843.52	

Note: Consists of 8 bays with nose piece at the front of the system.

**01 55 26 00-0084**

**Portable Signs And Message Displays Usage** (01 55 26 00-0026)

Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0103 for delivery, placing and removal.

01 55 26 00-0085 DAY Mesh Or Vinyl Roll-up Sign With Stand.....	4.66	
01 55 26 00-0086 WK Mesh Or Vinyl Roll-up Sign With Stand.....	13.97	
01 55 26 00-0087 MO Mesh Or Vinyl Roll-up Sign With Stand.....	41.92	
01 55 26 00-0088 DAY Aluminum Sign And Post.....	2.51	
01 55 26 00-0089 WK Aluminum Sign And Post.....	7.54	
01 55 26 00-0090 MO Aluminum Sign And Post.....	22.61	
01 55 26 00-0091 DAY Aluminum Sign And A Frame Stand.....	3.52	
01 55 26 00-0092 WK Aluminum Sign And A Frame Stand.....	10.56	
01 55 26 00-0093 MO Aluminum Sign And A Frame Stand.....	31.69	
01 55 26 00-0094 DAY Trailer Mounted Flashing Arrow Board.....	56.00	
01 55 26 00-0095 WK Trailer Mounted Flashing Arrow Board.....	155.00	
01 55 26 00-0096 MO Trailer Mounted Flashing Arrow Board.....	430.50	
01 55 26 00-0097 DAY Trailer Mounted Portable Variable Message Sign (PVMS).....	315.00	
01 55 26 00-0098 WK Trailer Mounted Portable Variable Message Sign (PVMS).....	840.00	
01 55 26 00-0099 MO Trailer Mounted Portable Variable Message Sign (PVMS).....	1,680.00	

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 50</b>	<b>Temporary Facilities And Controls</b>
	<b>01 55</b>	<b>Vehicular Access And Parking</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 55 26 00-0100	DAY		Two Head, Trailer Mounted Traffic Signal System (Set Of Two) .....793.03 Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.		
01 55 26 00-0101	WK		Two Head, Trailer Mounted Traffic Signal System (Set Of Two) .....2,379.09 Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.		
01 55 26 00-0102	MO		Two Head, Trailer Mounted Traffic Signal System (Set Of Two) .....7,137.27 Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.		

**01 55 26 00-0103 Place And Remove Traffic Protection Using Truck** (01 55 26 00-0026)

Note: Includes delivery and return up to 15 miles. See CSI section 01 74 19 00-0032 for delivery >15 miles.

01 55 26 00-0104	EA		Place And Remove Up To 250 Cones Using Truck .....2.17		
01 55 26 00-0105	EA		Place And Remove >250 Cones Using Truck.....1.74		
01 55 26 00-0106	EA		Place And Remove Up To 250 Panels/Channelizers Using Truck.....2.89		
01 55 26 00-0107	EA		Place And Remove >250 Panels/Channelizers Using Truck .....2.32		
01 55 26 00-0108	EA		Place And Remove Up To 250 Barricades Using Truck .....4.35		
01 55 26 00-0109	EA		Place And Remove >250 Barricades Using Truck .....3.47		
01 55 26 00-0110	EA		Place And Remove Curbs/Speed Bumps Using Truck .....4.35		
01 55 26 00-0111	EA		Place And Remove Portable Sign And Stand Using Truck .....2.61		
01 55 26 00-0112	EA		Place And Remove Aluminum Sign And Post Using Truck .....10.85		
01 55 26 00-0113	EA		Place And Remove Trailer Mounted Boards And Signals Using Truck.....32.57		
01 55 26 00-0114	EA		Place And Remove Up To 12.5' Concrete Traffic Barrier.....44.47 Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
			For 1 Barrier, Add	111.18	
			For 2 Barriers, Add	40.02	
			For 3 Barriers, Add	13.34	
01 55 26 00-0115	EA		Place And Remove >12.5' Concrete Traffic Barrier .....66.72 Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
			For 1 Barrier, Add	166.80	
			For 2 Barriers, Add	60.05	
			For 3 Barriers, Add	20.02	
01 55 26 00-0116	EA		Place And Remove Plastic Water Barrier .....26.24 Note: Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for Equipment Usage, 01 71 13 00-0000 for mobilization tasks.		
			For 1 Barrier, Add	55.60	
			For 2 Barriers, Add	20.02	
			For 3 Barriers, Add	6.67	
01 55 26 00-0117	EA		Place And Remove Crash Attenuator Barrels.....33.36 Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
			For 1 Barrier, Add	83.40	
			For 2 Barriers, Add	30.02	
			For 3 Barriers, Add	10.01	
01 55 26 00-0118	EA		Place And Remove 24" Wide x 32" High x 32' Long, Anchorless Water Filler, Non Redirective, Bi-Directional Impact Attenuator (ABSORB 350® BARRIER).....244.64 Note: Consists of 8 bays with nose piece at the front of the system attached and anchored in accordance with the manufactures instructions. Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.		

**01 55 26 00-0119 Place And Remove Traffic Protection From Roadside (Daily)** (01 55 26 00-0026)

01 55 26 00-0120	EA		Place And Remove Up To 250 Cones By Hand From Roadside .....1.09		
01 55 26 00-0121	EA		Place And Remove >250 Cones By Hand From Roadside.....0.87		
01 55 26 00-0122	EA		Place And Remove Up To 250 Panels/Channelizers By Hand From Roadside.....1.45		
01 55 26 00-0123	EA		Place And Remove >250 Panels/Channelizers By Hand From Roadside .....1.15		
01 55 26 00-0124	EA		Place And Remove Up To 250 Barricades By Hand From Roadside .....2.17		
01 55 26 00-0125	EA		Place And Remove >250 Barricades By Hand From Roadside .....1.74		
01 55 26 00-0126	EA		Place And Remove Portable Sign And Stand From Roadside.....1.29		
01 55 26 00-0127	EA		Place And Remove Trailer Mounted Boards And Signals From Roadside .....16.29		
01 55 26 00-0128	EA		Roadside Relocation Of Concrete Traffic Barrier .....22.24 Note: Excludes flatbed truck. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		

**01 55 26 00-0129 Temporary Rumble Strips** (01 55 26)

Note: Includes removal after use.

01 55 26 00-0130	LF		1/4" High, 4" Wide, Polymer Tape Temporary Rumble Strip.....7.37		
01 55 26 00-0131	LF		1/2" High, 3-1/2" Wide, Polycarbonate Temporary Rumble Strip.....5.24		

**01 56 Temporary Barriers And Enclosures** (01 50)

Note: Includes removal after use.

**01 56 16 Temporary Dust Barriers** (01 56)

**01 56 16 00-0001 Temporary Sheeting For Protection** (01 56 16)

Note: Includes removal after use.

01 56 16 00-0002	SF		6 Mil, Plastic Sheeting, Applied To Floors.....0.18		
01 56 16 00-0003	SF		6 Mil, Plastic Sheeting, Applied To Walls.....0.23		
01 56 16 00-0004	SF		6 Mil, Plastic Sheeting, Applied To Ceilings.....0.30		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0005 SF 6 Mil, Plastic Sheeting, Applied To Scaffolding.....	0.30	
01 56 16 00-0006 SF 6 Mil, Fire Retardant, Plastic Sheeting, Applied To Floors.....	0.22	
01 56 16 00-0007 SF 6 Mil, Fire Retardant, Plastic Sheeting, Applied To Walls.....	0.27	
01 56 16 00-0008 SF 6 Mil, Fire Retardant, Plastic Sheeting, Applied To Ceilings.....	0.34	
01 56 16 00-0009 SF 6 Mil, Fire Retardant, Plastic Sheeting, Applied To Scaffolding.....	0.32	
01 56 16 00-0010 SF 10 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding.....	0.44	
01 56 16 00-0011 SF 6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Floors.....	0.24	
01 56 16 00-0012 SF 6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Walls.....	0.29	
01 56 16 00-0013 SF 6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Ceilings.....	0.36	
01 56 16 00-0014 SF 6 Mil, Fire Retardant, Anti Static, Plastic Sheeting, Applied To Scaffolding.....	0.34	
01 56 16 00-0015 SF 6 Mil, Reinforced, Plastic Sheeting, Applied To Floors.....	0.23	
01 56 16 00-0016 SF 6 Mil, Reinforced, Plastic Sheeting, Applied To Walls.....	0.28	
01 56 16 00-0017 SF 6 Mil, Reinforced, Plastic Sheeting, Applied To Ceilings.....	0.35	
01 56 16 00-0018 SF 6 Mil, Reinforced, Plastic Sheeting, Applied To Scaffolding.....	0.33	
01 56 16 00-0019 SF 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Floors.....	0.28	
01 56 16 00-0020 SF 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Walls.....	0.33	
01 56 16 00-0021 SF 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Ceilings.....	0.40	
01 56 16 00-0022 SF 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding.....	0.38	
<b>01 56 16 00-0023 Temporary Canvas For Protection (01 56 16)</b>		
Note: Includes removal after use.		
01 56 16 00-0024 SF Heavy Duty Woven Water Repellant Canvas, Applied To Walls.....	0.47	
<b>01 56 16 00-0025 Accessories For Temporary Sheeting (01 56 16)</b>		
Note: Includes removal after use.		
01 56 16 00-0026 EA 7 Zipper Door For Plastic Sheeting.....	9.64	
01 56 16 00-0027 LF Zip Wall Kit And ICRA Dust Control Awareness Barrier (Per LF Of Wall).....	4.31	
Note: Includes up to 12' long spring loaded poles, side clamps, foam rails and 6 mil poly barrier. Excludes zip doors.		
<b>01 56 16 00-0028 Temporary Critical Barriers For Protection (01 56 16)</b>		
Note: Includes removal after use. See CSI section 02 89 00 00-0002 for Other barriers for infectious control.		
01 56 16 00-0029 EA Up To 1 SF Individual Critical Barriers.....	4.04	
Note: For Outlets And Receptacles		
01 56 16 00-0030 EA >1 To 4 SF Individual Critical Barriers.....	6.17	
Note: For diffusers, ceiling speakers, return grilles, etc.		
01 56 16 00-0031 EA >4 To 8 SF Individual Critical Barriers.....	8.35	
Note: For diffusers, return grilles, access doors, light fixtures, etc.		
01 56 16 00-0032 EA >8 To 32 SF Individual Critical Barriers.....	13.45	
Note: For doors, windows, etc.		
<b>01 56 16 00-0033 Temporary Stud Wall (01 56 16)</b>		
Note: Includes removal after use.		
<b>01 56 16 00-0034 Temporary Stud Wall With Drywall (01 56 16 00-0033)</b>		
Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, drywall taped and finished and removal after use. Excludes paint.		
<b>01 56 16 00-0035 Temporary Stud Wall With Drywall (01 56 16 00-0034)</b>		
01 56 16 00-0036 SF 3/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	2.60	
For Metal Studs 24" On Center, Add/Deduct	0.17	
01 56 16 00-0037 SF 1/2" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	2.60	
For Metal Studs 24" On Center, Add/Deduct	0.17	
01 56 16 00-0038 SF 5/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	2.69	
For Metal Studs 24" On Center, Add/Deduct	0.17	
01 56 16 00-0039 SF 3/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	3.66	
For Metal Studs 24" On Center, Add/Deduct	0.20	
01 56 16 00-0040 SF 1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	3.66	
For Metal Studs 24" On Center, Add/Deduct	0.20	
01 56 16 00-0041 SF 5/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	3.84	
For Metal Studs 24" On Center, Add/Deduct	0.20	
<b>01 56 16 00-0042 Temporary Stud Wall With Fire Rated Drywall (01 56 16 00-0034)</b>		
01 56 16 00-0043 SF 1/2" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	2.70	
For Metal Studs 24" On Center, Add/Deduct	0.17	
01 56 16 00-0044 SF 5/8" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	2.73	
For Metal Studs 24" On Center, Add/Deduct	0.17	
01 56 16 00-0045 SF 5/8" Type X Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	2.68	
For Metal Studs 24" On Center, Add/Deduct	0.17	
01 56 16 00-0046 SF 3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center.....	3.36	
For Metal Studs 24" On Center, Add/Deduct	0.17	
01 56 16 00-0047 SF 1/2" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	3.86	
For Metal Studs 24" On Center, Add/Deduct	0.20	
01 56 16 00-0048 SF 5/8" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	3.92	
For Metal Studs 24" On Center, Add/Deduct	0.20	
01 56 16 00-0049 SF 5/8" Type X Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	3.82	
For Metal Studs 24" On Center, Add/Deduct	0.20	

**01 General Requirements****01 50 Temporary Facilities And Controls****01 56 Temporary Barriers And Enclosures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0050 SF 3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	5.17	
For Metal Studs 24" On Center, Add/Deduct	0.20	
<b>01 56 16 00-0051 Temporary Stud Wall With Oriented Strand Board (OSB) (01 56 16 00-0033)</b>		
Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, oriented strand board (OSB) wall sheathing, and removal after use. Excludes paint.		
01 56 16 00-0052 SF 7/16" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	2.50	
For Metal Studs 24" On Center, Add/Deduct	0.17	
01 56 16 00-0053 SF 1/2" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	2.54	
For Metal Studs 24" On Center, Add/Deduct	0.17	
01 56 16 00-0054 SF 5/8" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	2.65	
For Metal Studs 24" On Center, Add/Deduct	0.17	
01 56 16 00-0055 SF 3/4" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	2.71	
For Metal Studs 24" On Center, Add/Deduct	0.17	
01 56 16 00-0056 SF 7/16" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	3.46	
For Metal Studs 24" On Center, Add/Deduct	0.20	
01 56 16 00-0057 SF 1/2" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	3.53	
For Metal Studs 24" On Center, Add/Deduct	0.20	
01 56 16 00-0058 SF 5/8" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	3.75	
For Metal Studs 24" On Center, Add/Deduct	0.20	
01 56 16 00-0059 SF 3/4" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	3.87	
For Metal Studs 24" On Center, Add/Deduct	0.20	
<b>01 56 16 00-0060 Temporary Stud Wall With BC Plywood (01 56 16 00-0033)</b>		
Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, interior/exterior BC plywood wall sheathing, and removal after use. Excludes paint.		
01 56 16 00-0061 SF 3/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	2.76	
For Metal Studs 24" On Center, Add/Deduct	0.17	
01 56 16 00-0062 SF 1/2" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	2.90	
For Metal Studs 24" On Center, Add/Deduct	0.17	
01 56 16 00-0063 SF 5/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	2.97	
For Metal Studs 24" On Center, Add/Deduct	0.17	
01 56 16 00-0064 SF 3/4" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center.....	3.07	
For Metal Studs 24" On Center, Add/Deduct	0.17	
01 56 16 00-0065 SF 3/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	3.97	
For Metal Studs 24" On Center, Add/Deduct	0.20	
01 56 16 00-0066 SF 1/2" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	4.26	
For Metal Studs 24" On Center, Add/Deduct	0.20	
01 56 16 00-0067 SF 5/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	4.39	
For Metal Studs 24" On Center, Add/Deduct	0.20	
01 56 16 00-0068 SF 3/4" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center.....	4.60	
For Metal Studs 24" On Center, Add/Deduct	0.20	
<b>01 56 16 00-0069 Temporary Stud Wall With Plastic Sheeting (01 56 16 00-0033)</b>		
Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, 6 Mil plastic sheeting, and removal after use.		
01 56 16 00-0070 SF 6 Mil, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center.....	1.48	
For Metal Studs 24" On Center, Add/Deduct	0.13	
01 56 16 00-0071 SF 6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center.....	1.53	
For Metal Studs 24" On Center, Add/Deduct	0.13	
01 56 16 00-0072 SF 6 Mil, Fire Retardant, Anti-Static, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center.....	1.55	
For Metal Studs 24" On Center, Add/Deduct	0.13	
01 56 16 00-0073 SF 6 Mil, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center.....	1.54	
For Metal Studs 24" On Center, Add/Deduct	0.13	
01 56 16 00-0074 SF 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center.....	1.58	
For Metal Studs 24" On Center, Add/Deduct	0.13	
<b>01 56 16 00-0075 Temporary Doors (01 56 16 00-0033)</b>		
Note: For temporary stud walls. Includes removal after use.		
01 56 16 00-0076 EA Temporary Metal Door And Frame.....	274.31	
Note: Painted with panic hardware, lockset, threshold and smoke seals. Remove after use.		
01 56 16 00-0077 EA 3' x 7'-1/2" Plywood Hinged Access Panel For Temporary Stud Wall.....	168.90	
Note: Includes hardware and lockset.		
<b>01 56 16 00-0078 Temporary Floor Protection (01 56 16)</b>		
Note: Includes removal after use.		
01 56 16 00-0079 SF Masonite For Temporary Floor Protection.....	0.82	
01 56 16 00-0080 SF 1/2" Plywood For Temporary Floor Protection.....	0.86	
01 56 16 00-0081 SF 3/4" Plywood For Temporary Floor Protection.....	1.05	
01 56 16 00-0082 SF Burlap For Temporary Floor Protection.....	0.36	
<b>01 56 16 00-0083 Sticky Mats (01 56 16)</b>		
Note: Includes removal after use.		
01 56 16 00-0084 EA 18" x 36", 30 Layer Sticky Mat.....	20.49	
For 60 Layers Instead Of 30, Add	13.91	
01 56 16 00-0085 EA 18" x 46", 30 Layer Sticky Mat.....	23.58	
For 60 Layers Instead Of 30, Add	16.22	



<b>General Requirements</b>		<b>01</b>
Temporary Facilities And Controls		01 50
Temporary Barriers And Enclosures		01 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0086	EA		24" x 36", 30 Layer Sticky Mat.....	23.58	
			<i>For 60 Layers Instead Of 30, Add</i>	16.22	
01 56 16 00-0087	EA		25" x 45", 30 Layer Sticky Mat.....	31.30	
			<i>For 60 Layers Instead Of 30, Add</i>	22.01	
01 56 16 00-0088	EA		36" x 36", 30 Layer Sticky Mat.....	34.39	
			<i>For 60 Layers Instead Of 30, Add</i>	24.33	
01 56 16 00-0089	EA		36" x 46", 30 Layer Sticky Mat.....	37.48	
			<i>For 60 Layers Instead Of 30, Add</i>	26.65	
01 56 16 00-0090	EA		36" x 60", 30 Layer Sticky Mat.....	76.09	
			<i>For 60 Layers Instead Of 30, Add</i>	55.61	
01 56 16 00-0091	EA		36" x 72", 30 Layer Sticky Mat.....	90.92	
<b>01 56 26</b>	<b>Temporary Fencing</b> <small>(01 56)</small>				
01 56 26 00-0001	Temporary Fencing <small>(01 56 26)</small>				
	Note: Includes set-up and removal after use. Excludes auguring/drilling for posts.				
01 56 26 00-0002	Temporary Chain Link Fence <small>(01 56 26 00-0001)</small>				
	Note: Includes set-up and removal. Excludes auguring/drilling for posts.				
01 56 26 00-0003	Temporary Chain Link Fence, Up To 6 Months <small>(01 56 26 00-0002)</small>				
01 56 26 00-0004	LF		Temporary 4' High Chain Link Fence And Posts, Up To 6 Months.....	4.01	
			<i>For &gt;100 To 250, Deduct</i>	-0.12	
			<i>For &gt;250 To 500, Deduct</i>	-0.25	
			<i>For &gt;500, Deduct</i>	-0.37	
			<i>For Each LF Shade Cloth, Add</i>	1.60	
01 56 26 00-0005	LF		Temporary 6' High Chain Link Fence And Posts, Up To 6 Months.....	4.48	
			<i>For &gt;100 To 250, Deduct</i>	-0.14	
			<i>For &gt;250 To 500, Deduct</i>	-0.28	
			<i>For &gt;500, Deduct</i>	-0.42	
			<i>For Each LF Shade Cloth, Add</i>	2.55	
01 56 26 00-0006	LF		Temporary 8' High Chain Link Fence And Posts, Up To 6 Months.....	6.55	
			<i>For &gt;100 To 250, Deduct</i>	-0.23	
			<i>For &gt;250 To 500, Deduct</i>	-0.47	
			<i>For &gt;500, Deduct</i>	-0.70	
			<i>For Each LF Shade Cloth, Add</i>	3.60	
01 56 26 00-0007	LF		Temporary 10' High Chain Link Fence And Posts, Up To 6 Months.....	15.96	
			<i>For &gt;100 To 250, Deduct</i>	-0.70	
			<i>For &gt;250 To 500, Deduct</i>	-1.39	
			<i>For &gt;500, Deduct</i>	-2.09	
			<i>For Each LF Shade Cloth, Add</i>	4.75	
01 56 26 00-0008	Temporary Chain Link Fence, >6 To 12 Months <small>(01 56 26 00-0002)</small>				
01 56 26 00-0009	LF		Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months.....	4.26	
			<i>For &gt;100 To 250, Deduct</i>	-0.14	
			<i>For &gt;250 To 500, Deduct</i>	-0.27	
			<i>For &gt;500, Deduct</i>	-0.41	
			<i>For Each LF Shade Cloth, Add</i>	1.60	
01 56 26 00-0010	LF		Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months.....	4.75	
			<i>For &gt;100 To 250, Deduct</i>	-0.15	
			<i>For &gt;250 To 500, Deduct</i>	-0.30	
			<i>For &gt;500, Deduct</i>	-0.46	
			<i>For Each LF Shade Cloth, Add</i>	2.55	
01 56 26 00-0011	LF		Temporary 8' High Chain Link Fence And Posts, >6 To 12 Months.....	7.01	
			<i>For &gt;100 To 250, Deduct</i>	-0.26	
			<i>For &gt;250 To 500, Deduct</i>	-0.51	
			<i>For &gt;500, Deduct</i>	-0.77	
			<i>For Each LF Shade Cloth, Add</i>	3.60	
01 56 26 00-0012	LF		Temporary 10' High Chain Link Fence And Posts, >6 To 12 Months.....	17.34	
			<i>For &gt;100 To 250, Deduct</i>	-0.76	
			<i>For &gt;250 To 500, Deduct</i>	-1.53	
			<i>For &gt;500, Deduct</i>	-2.29	
			<i>For Each LF Shade Cloth, Add</i>	4.75	
01 56 26 00-0013	Temporary Chain Link Fence, >12 To 18 Months <small>(01 56 26 00-0002)</small>				
01 56 26 00-0014	LF		Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months.....	4.54	
			<i>For &gt;100 To 250, Deduct</i>	-0.15	
			<i>For &gt;250 To 500, Deduct</i>	-0.30	
			<i>For &gt;500, Deduct</i>	-0.45	
			<i>For Each LF Shade Cloth, Add</i>	1.60	
01 56 26 00-0015	LF		Temporary 6' High Chain Link Fence And Posts, >12 To 18 Months.....	5.06	
			<i>For &gt;100 To 250, Deduct</i>	-0.17	
			<i>For &gt;250 To 500, Deduct</i>	-0.34	
			<i>For &gt;500, Deduct</i>	-0.50	
			<i>For Each LF Shade Cloth, Add</i>	2.55	
01 56 26 00-0016	LF		Temporary 8' High Chain Link Fence And Posts, >12 To 18 Months.....	7.53	
			<i>For &gt;100 To 250, Deduct</i>	-0.28	
			<i>For &gt;250 To 500, Deduct</i>	-0.57	
			<i>For &gt;500, Deduct</i>	-0.85	
			<i>For Each LF Shade Cloth, Add</i>	3.60	

<b>01</b>	<b>General Requirements</b>
<b>01 50</b>	<b>Temporary Facilities And Controls</b>
<b>01 56</b>	<b>Temporary Barriers And Enclosures</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0017 LF Temporary 10' High Chain Link Fence And Posts, >12 To 18 Months.....	18.87	
For >100 To 250, Deduct	-0.84	
For >250 To 500, Deduct	-1.68	
For >500, Deduct	-2.52	
For Each LF Shade Cloth, Add	4.75	
<b>01 56 26 00-0018 Temporary Chain Link Fence, &gt;18 Months (01 56 26 00-0002)</b>		
01 56 26 00-0019 LF Temporary 4' High Chain Link Fence And Posts, >18 Months.....	4.83	
For >100 To 250, Deduct	-0.16	
For >250 To 500, Deduct	-0.33	
For >500, Deduct	-0.49	
For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0020 LF Temporary 6' High Chain Link Fence And Posts, >18 Months.....	5.38	
For >100 To 250, Deduct	-0.18	
For >250 To 500, Deduct	-0.37	
For >500, Deduct	-0.55	
For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0021 LF Temporary 8' High Chain Link Fence And Posts, >18 Months.....	8.09	
For >100 To 250, Deduct	-0.31	
For >250 To 500, Deduct	-0.62	
For >500, Deduct	-0.93	
For Each LF Shade Cloth, Add	3.60	
01 56 26 00-0022 LF Temporary 10' High Chain Link Fence And Posts, >18 Months.....	20.55	
For >100 To 250, Deduct	-0.92	
For >250 To 500, Deduct	-1.85	
For >500, Deduct	-2.77	
For Each LF Shade Cloth, Add	4.75	
<b>01 56 26 00-0023 Temporary Chain Link Fence Gates (01 56 26 00-0001)</b>		
Note: Includes set-up and removal. Excludes auguring/drilling for posts.		
<b>01 56 26 00-0024 Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0023)</b>		
<b>01 56 26 00-0025 4' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)</b>		
01 56 26 00-0026 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	185.48	
For Each LF Shade Cloth, Add	11.67	
01 56 26 00-0027 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	305.42	
For Each LF Shade Cloth, Add	29.17	
01 56 26 00-0028 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	344.42	
For Each LF Shade Cloth, Add	35.00	
01 56 26 00-0029 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	390.45	
For Each LF Shade Cloth, Add	43.75	
01 56 26 00-0030 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	470.99	
For Each LF Shade Cloth, Add	58.34	
01 56 26 00-0031 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	520.57	
For Each LF Shade Cloth, Add	70.00	
<b>01 56 26 00-0032 6' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)</b>		
01 56 26 00-0033 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	196.87	
For Each LF Shade Cloth, Add	18.59	
01 56 26 00-0034 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	326.19	
For Each LF Shade Cloth, Add	46.49	
01 56 26 00-0035 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	368.35	
For Each LF Shade Cloth, Add	55.78	
01 56 26 00-0036 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	422.59	
For Each LF Shade Cloth, Add	69.73	
01 56 26 00-0037 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	512.71	
For Each LF Shade Cloth, Add	92.97	
01 56 26 00-0038 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	574.18	
For Each LF Shade Cloth, Add	111.57	
<b>01 56 26 00-0039 8' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)</b>		
01 56 26 00-0040 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	218.67	
For Each LF Shade Cloth, Add	26.25	
01 56 26 00-0041 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	368.76	
For Shade Cloth, Add	65.63	
01 56 26 00-0042 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	415.40	
For Shade Cloth, Add	78.75	
01 56 26 00-0043 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	472.78	
For Shade Cloth, Add	98.44	
01 56 26 00-0044 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	577.82	
For Shade Cloth, Add	131.26	
01 56 26 00-0045 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	657.31	
For Shade Cloth, Add	157.51	
<b>01 56 26 00-0046 10' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)</b>		
01 56 26 00-0047 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	267.91	
For Each LF Shade Cloth, Add	34.64	



		<b>General Requirements</b>	<b>01</b>
		<b>Temporary Facilities And Controls</b>	<b>01 50</b>
		<b>Temporary Barriers And Enclosures</b>	<b>01 56</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0048 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months..... <i>For Each LF Shade Cloth, Add</i>	448.38 86.59	
01 56 26 00-0049 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months..... <i>For Each LF Shade Cloth, Add</i>	505.86 103.91	
01 56 26 00-0050 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months..... <i>For Each LF Shade Cloth, Add</i>	575.10 129.89	
01 56 26 00-0051 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months..... <i>For Each LF Shade Cloth, Add</i>	702.98 173.18	
01 56 26 00-0052 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months..... <i>For Each LF Shade Cloth, Add</i>	796.78 207.82	
<b>01 56 26 00-0053 Temporary Chain Link Fence Gates, &gt;6 To 12 Months</b> (01 56 26 00-0023)		
<b>01 56 26 00-0054 4' High, Temporary Chain Link Fence Gates, &gt;6 To 12 Months</b> (01 56 26 00-0053)		
01 56 26 00-0055 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months ..... <i>For Each LF Shade Cloth, Add</i>	193.29 11.67	
01 56 26 00-0056 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months ..... <i>For Each LF Shade Cloth, Add</i>	317.57 29.17	
01 56 26 00-0057 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months ..... <i>For Each LF Shade Cloth, Add</i>	358.31 35.00	
01 56 26 00-0058 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months ..... <i>For Each LF Shade Cloth, Add</i>	406.08 43.75	
01 56 26 00-0059 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months ..... <i>For Each LF Shade Cloth, Add</i>	490.09 58.34	
01 56 26 00-0060 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months ..... <i>For Each LF Shade Cloth, Add</i>	541.41 70.00	
<b>01 56 26 00-0061 6' High, Temporary Chain Link Fence Gates, &gt;6 To 12 Months</b> (01 56 26 00-0053)		
01 56 26 00-0062 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months ..... <i>For Each LF Shade Cloth, Add</i>	205.04 18.59	
01 56 26 00-0063 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months ..... <i>For Each LF Shade Cloth, Add</i>	338.90 46.49	
01 56 26 00-0064 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months ..... <i>For Each LF Shade Cloth, Add</i>	382.87 55.78	
01 56 26 00-0065 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months ..... <i>For Each LF Shade Cloth, Add</i>	438.92 69.73	
01 56 26 00-0066 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months ..... <i>For Each LF Shade Cloth, Add</i>	532.68 92.97	
01 56 26 00-0067 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months ..... <i>For Each LF Shade Cloth, Add</i>	595.96 111.57	
<b>01 56 26 00-0068 8' High, Temporary Chain Link Fence Gates, &gt;6 To 12 Months</b> (01 56 26 00-0053)		
01 56 26 00-0069 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months ..... <i>For Each LF Shade Cloth, Add</i>	227.65 26.25	
01 56 26 00-0070 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months ..... <i>For Shade Cloth, Add</i>	382.73 65.63	
01 56 26 00-0071 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months ..... <i>For Shade Cloth, Add</i>	431.37 78.75	
01 56 26 00-0072 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months ..... <i>For Shade Cloth, Add</i>	490.75 98.44	
01 56 26 00-0073 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months ..... <i>For Shade Cloth, Add</i>	599.78 131.26	
01 56 26 00-0074 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months ..... <i>For Shade Cloth, Add</i>	681.27 157.51	
<b>01 56 26 00-0075 10' High, Temporary Chain Link Fence Gates, &gt;6 To 12 Months</b> (01 56 26 00-0053)		
01 56 26 00-0076 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months ..... <i>For Each LF Shade Cloth, Add</i>	279.14 34.64	
01 56 26 00-0077 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months ..... <i>For Each LF Shade Cloth, Add</i>	465.85 86.59	
01 56 26 00-0078 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months ..... <i>For Each LF Shade Cloth, Add</i>	525.83 103.91	
01 56 26 00-0079 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months ..... <i>For Each LF Shade Cloth, Add</i>	597.56 129.89	
01 56 26 00-0080 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months ..... <i>For Each LF Shade Cloth, Add</i>	730.43 173.18	
01 56 26 00-0081 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months ..... <i>For Each LF Shade Cloth, Add</i>	826.73 207.82	
<b>01 56 26 00-0082 Temporary Chain Link Fence Gates, &gt;12 To 18 Months</b> (01 56 26 00-0023)		
<b>01 56 26 00-0083 4' High, Temporary Chain Link Fence Gates, &gt;12 To 18 Months</b> (01 56 26 00-0082)		
01 56 26 00-0084 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months ..... <i>For Each LF Shade Cloth, Add</i>	201.49 11.67	
01 56 26 00-0085 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months ..... <i>For Each LF Shade Cloth, Add</i>	330.33 29.17	
01 56 26 00-0086 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months ..... <i>For Each LF Shade Cloth, Add</i>	372.89 35.00	



<b>01</b>	<b>General Requirements</b>
<b>01 50</b>	<b>Temporary Facilities And Controls</b>
<b>01 56</b>	<b>Temporary Barriers And Enclosures</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0087	EA		15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	422.48	
			<i>For Each LF Shade Cloth, Add</i> .....	43.75	
01 56 26 00-0088	EA		20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	510.14	
			<i>For Each LF Shade Cloth, Add</i> .....	58.34	
01 56 26 00-0089	EA		24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	563.29	
			<i>For Each LF Shade Cloth, Add</i> .....	70.00	
<b>01 56 26 00-0090</b>			<b>6' High, Temporary Chain Link Fence Gates, &gt;12 To 18 Months</b> (01 56 26 00-0082)		
01 56 26 00-0091	EA		4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	213.62	
			<i>For Each LF Shade Cloth, Add</i> .....	18.59	
01 56 26 00-0092	EA		10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	352.24	
			<i>For Each LF Shade Cloth, Add</i> .....	46.49	
01 56 26 00-0093	EA		12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	398.12	
			<i>For Each LF Shade Cloth, Add</i> .....	55.78	
01 56 26 00-0094	EA		15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	456.08	
			<i>For Each LF Shade Cloth, Add</i> .....	69.73	
01 56 26 00-0095	EA		20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	553.64	
			<i>For Each LF Shade Cloth, Add</i> .....	92.97	
01 56 26 00-0096	EA		24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	618.83	
			<i>For Each LF Shade Cloth, Add</i> .....	111.57	
<b>01 56 26 00-0097</b>			<b>8' High, Temporary Chain Link Fence Gates, &gt;12 To 18 Months</b> (01 56 26 00-0082)		
01 56 26 00-0098	EA		4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	237.08	
			<i>For Each LF Shade Cloth, Add</i> .....	26.25	
01 56 26 00-0099	EA		10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	397.41	
			<i>For Shade Cloth, Add</i> .....	65.63	
01 56 26 00-0100	EA		12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	448.14	
			<i>For Shade Cloth, Add</i> .....	78.75	
01 56 26 00-0101	EA		15' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	509.62	
			<i>For Shade Cloth, Add</i> .....	98.44	
01 56 26 00-0102	EA		20' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	622.84	
			<i>For Shade Cloth, Add</i> .....	131.26	
01 56 26 00-0103	EA		24' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	706.43	
			<i>For Shade Cloth, Add</i> .....	157.51	
<b>01 56 26 00-0104</b>			<b>10' High, Temporary Chain Link Fence Gates, &gt;12 To 18 Months</b> (01 56 26 00-0082)		
01 56 26 00-0105	EA		4' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	290.93	
			<i>For Each LF Shade Cloth, Add</i> .....	34.64	
01 56 26 00-0106	EA		10' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	484.19	
			<i>For Each LF Shade Cloth, Add</i> .....	86.59	
01 56 26 00-0107	EA		12' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	546.79	
			<i>For Each LF Shade Cloth, Add</i> .....	103.91	
01 56 26 00-0108	EA		15' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	621.15	
			<i>For Each LF Shade Cloth, Add</i> .....	129.89	
01 56 26 00-0109	EA		20' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	759.26	
			<i>For Each LF Shade Cloth, Add</i> .....	173.18	
01 56 26 00-0110	EA		24' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months .....	858.17	
			<i>For Each LF Shade Cloth, Add</i> .....	207.82	
<b>01 56 26 00-0111</b>			<b>Temporary Chain Link Fence Gates, &gt;18 Months</b> (01 56 26 00-0023)		
<b>01 56 26 00-0112</b>			<b>4' High, Temporary Chain Link Fence Gates, &gt;18 Months</b> (01 56 26 00-0111)		
01 56 26 00-0113	EA		4' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months .....	209.70	
			<i>For Each LF Shade Cloth, Add</i> .....	11.67	
01 56 26 00-0114	EA		10' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months .....	343.09	
			<i>For Each LF Shade Cloth, Add</i> .....	29.17	
01 56 26 00-0115	EA		12' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months .....	387.48	
			<i>For Each LF Shade Cloth, Add</i> .....	35.00	
01 56 26 00-0116	EA		15' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months .....	438.89	
			<i>For Each LF Shade Cloth, Add</i> .....	43.75	
01 56 26 00-0117	EA		20' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months .....	530.20	
			<i>For Each LF Shade Cloth, Add</i> .....	58.34	
01 56 26 00-0118	EA		24' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months .....	585.16	
			<i>For Each LF Shade Cloth, Add</i> .....	70.00	
<b>01 56 26 00-0119</b>			<b>6' High, Temporary Chain Link Fence Gates, &gt;18 Months</b> (01 56 26 00-0111)		
01 56 26 00-0120	EA		4' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months .....	222.19	
			<i>For Each LF Shade Cloth, Add</i> .....	18.59	
01 56 26 00-0121	EA		10' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months .....	365.58	
			<i>For Each LF Shade Cloth, Add</i> .....	46.49	
01 56 26 00-0122	EA		12' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months .....	413.36	
			<i>For Each LF Shade Cloth, Add</i> .....	55.78	
01 56 26 00-0123	EA		15' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months .....	473.23	
			<i>For Each LF Shade Cloth, Add</i> .....	69.73	
01 56 26 00-0124	EA		20' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months .....	574.61	
			<i>For Each LF Shade Cloth, Add</i> .....	92.97	
01 56 26 00-0125	EA		24' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months .....	641.70	
			<i>For Each LF Shade Cloth, Add</i> .....	111.57	



<b>General Requirements</b>			<b>01</b>
Temporary Facilities And Controls			01 50
Temporary Barriers And Enclosures			01 56

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>01 56 26 00-0126</b> <b>8' High, Temporary Chain Link Fence Gates, &gt;18 Months</b> <small>(01 56 26 00-0111)</small>		
01 56 26 00-0127    EA    4' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months .....	246.52	
For Each LF Shade Cloth, Add	26.25	
01 56 26 00-0128    EA    10' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months .....	412.08	
For Shade Cloth, Add	65.63	
01 56 26 00-0129    EA    12' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months .....	464.92	
For Shade Cloth, Add	78.75	
01 56 26 00-0130    EA    15' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months .....	528.49	
For Shade Cloth, Add	98.44	
01 56 26 00-0131    EA    20' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months .....	645.90	
For Shade Cloth, Add	131.26	
01 56 26 00-0132    EA    24' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months .....	731.58	
For Shade Cloth, Add	157.51	
<b>01 56 26 00-0133</b> <b>10' High, Temporary Chain Link Fence Gates, &gt;18 Months</b> <small>(01 56 26 00-0111)</small>		
01 56 26 00-0134    EA    4' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months .....	302.73	
For Each LF Shade Cloth, Add	34.64	
01 56 26 00-0135    EA    10' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months .....	502.54	
For Each LF Shade Cloth, Add	86.59	
01 56 26 00-0136    EA    12' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months .....	567.76	
For Each LF Shade Cloth, Add	103.91	
01 56 26 00-0137    EA    15' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months .....	644.73	
For Each LF Shade Cloth, Add	129.89	
01 56 26 00-0138    EA    20' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months .....	788.09	
For Each LF Shade Cloth, Add	173.18	
01 56 26 00-0139    EA    24' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months .....	889.62	
For Each LF Shade Cloth, Add	207.82	
<b>01 56 26 00-0140</b> <b>Temporary Chain Link Fence Panels (Portable)</b> <small>(01 56 26 00-0001)</small>		
Note: Includes set-up and removal. Excludes sandbags.		
<b>01 56 26 00-0141</b> <b>Temporary Chain Link Fence Panels (Portable), Up To 6 Months</b> <small>(01 56 26 00-0140)</small>		
01 56 26 00-0142    LF    Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months.....	4.50	
For >100 To 250, Deduct	-0.15	
For >250 To 500, Deduct	-0.29	
For >500, Deduct	-0.44	
For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0143    LF    Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months.....	5.00	
For >100 To 250, Deduct	-0.16	
For >250 To 500, Deduct	-0.33	
For >500, Deduct	-0.49	
For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0144    LF    Temporary 8' High Chain Link Fence Panels (Portable), Up To 6 Months.....	7.17	
For >100 To 250, Deduct	-0.27	
For >250 To 500, Deduct	-0.53	
For >500, Deduct	-0.80	
For Each LF Shade Cloth, Add	3.60	
<b>01 56 26 00-0145</b> <b>Temporary Chain Link Fence Panels (Portable), &gt;6 To 12 Months</b> <small>(01 56 26 00-0140)</small>		
01 56 26 00-0146    LF    Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months.....	4.75	
For >100 To 250, Deduct	-0.16	
For >250 To 500, Deduct	-0.32	
For >500, Deduct	-0.48	
For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0147    LF    Temporary 6' High Chain Link Fence Panels (Portable), >6 To 12 Months.....	5.27	
For >100 To 250, Deduct	-0.18	
For >250 To 500, Deduct	-0.36	
For >500, Deduct	-0.53	
For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0148    LF    Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months.....	7.64	
For >100 To 250, Deduct	-0.29	
For >250 To 500, Deduct	-0.58	
For >500, Deduct	-0.87	
For Each LF Shade Cloth, Add	3.60	
<b>01 56 26 00-0149</b> <b>Temporary Chain Link Fence Panels (Portable), &gt;12 To 18 Months</b> <small>(01 56 26 00-0140)</small>		
01 56 26 00-0150    LF    Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months.....	5.00	
For >100 To 250, Deduct	-0.17	
For >250 To 500, Deduct	-0.34	
For >500, Deduct	-0.52	
For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0151    LF    Temporary 6' High Chain Link Fence Panels (Portable), >12 To 18 Months.....	5.59	
For >100 To 250, Deduct	-0.19	
For >250 To 500, Deduct	-0.39	
For >500, Deduct	-0.58	
For Each LF Shade Cloth, Add	2.55	

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 50</b>	<b>Temporary Facilities And Controls</b>
	<b>01 56</b>	<b>Temporary Barriers And Enclosures</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0152 LF Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months .....	8.16	
For >100 To 250, Deduct	-0.31	
For >250 To 500, Deduct	-0.63	
For >500, Deduct	-0.94	
For Each LF Shade Cloth, Add	3.60	
<b>01 56 26 00-0153 Temporary Chain Link Fence Panels (Portable), &gt;18 Months</b> (01 56 26 00-0140)		
01 56 26 00-0154 LF Temporary 4' High Chain Link Fence Panels (Portable), >18 Months .....	5.31	
For >100 To 250, Deduct	-0.19	
For >250 To 500, Deduct	-0.38	
For >500, Deduct	-0.56	
For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0155 LF Temporary 6' High Chain Link Fence Panels (Portable), >18 Months .....	5.90	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.42	
For >500, Deduct	-0.63	
For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0156 LF Temporary 8' High Chain Link Fence Panels (Portable), >18 Months .....	8.70	
For >100 To 250, Deduct	-0.34	
For >250 To 500, Deduct	-0.68	
For >500, Deduct	-1.02	
For Each LF Shade Cloth, Add	3.60	
<b>01 56 26 00-0157 Temporary Chain Link Fence Panels (Portable) Sandbags</b> (01 56 26 00-0140)		
01 56 26 00-0158 BAG Temporary Chain Link Fence Panels (Portable) Sandbag .....	3.33	
Note: Includes placement and removal.		
<b>01 56 26 00-0159 Relocate Chain Link Fence, Gates And Panels</b> (01 56 26 00-0001)		
Note: Excludes auguring/drilling for posts.		
<b>01 56 26 00-0160 Relocate Temporary Chain Link Fence On Site</b> (01 56 26 00-0159)		
01 56 26 00-0161 LF Relocate Temporary 4' High Chain Link Fence And Posts .....	1.38	
01 56 26 00-0162 LF Relocate Temporary 6' High Chain Link Fence And Posts .....	2.07	
01 56 26 00-0163 LF Relocate Temporary 8' High Chain Link Fence And Posts .....	2.99	
01 56 26 00-0164 LF Relocate Temporary 10' High Chain Link Fence And Posts .....	3.68	
<b>01 56 26 00-0165 Relocate Temporary Chain Link Fence Panels On Site</b> (01 56 26 00-0159)		
01 56 26 00-0166 LF Relocate Temporary 4' High Chain Link Fence Panel, Self Standing .....	0.39	
01 56 26 00-0167 LF Relocate Temporary 6' High Chain Link Fence Panel, Self Standing .....	0.46	
01 56 26 00-0168 LF Relocate Temporary 8' High Chain Link Fence Panel, Self Standing .....	0.52	
<b>01 56 26 00-0169 Relocate Temporary Chain Link Gates On Site</b> (01 56 26 00-0159)		
01 56 26 00-0170 EA Relocate Temporary 4' High Chain Link Vehicle Gate And Posts .....	50.64	
01 56 26 00-0171 EA Relocate Temporary 6' High Chain Link Vehicle Gate And Posts .....	58.43	
01 56 26 00-0172 EA Relocate Temporary 8' High Chain Link Vehicle Gate And Posts .....	72.07	
01 56 26 00-0173 EA Relocate Temporary 10' High Chain Link Vehicle Gate And Posts .....	77.92	
<b>01 56 26 00-0174 Temporary Safety Fence</b> (01 56 26)		
Note: Includes removal after use.		
01 56 26 00-0175 LF 48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence .....	1.92	
<b>01 56 29 Temporary Protective Walkways</b> (01 56)		
<b>01 56 29 00-0001 Temporary Sidewalk Bridge Protection</b> (01 56 29)		
Note: Includes removal after use.		
<b>01 56 29 00-0002 Installation of Sidewalk Bridge</b> (01 56 29 00-0001)		
01 56 29 00-0003 LF Installation of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly .....	62.78	
Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.		
For 3 Post System, Add	6.00	
For Each Additional Foot Over 8' Wide, Add	3.00	
For Each Additional Foot Over 8' High, Add	2.00	
01 56 29 00-0004 LF Installation of Netting for Sidewalk Bridge .....	1.60	
<b>01 56 29 00-0005 Monthly Rental of Sidewalk Bridge</b> (01 56 29 00-0001)		
01 56 29 00-0006 LF Monthly Rental Of Up To 8' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Assembly .....	8.44	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	1.27	
01 56 29 00-0007 LF Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly .....	9.50	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	1.43	



<b>General Requirements</b>	<b>01</b>	
<b>Temporary Facilities And Controls</b>	<b>01 50</b>	<b>10</b>
<b>Temporary Barriers And Enclosures</b>	<b>01 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 29 00-0008 LF Monthly Rental Of Up To 8' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	10.55	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	1.58	
01 56 29 00-0009 LF Monthly Rental Of 8' - 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	10.55	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	1.58	
01 56 29 00-0010 LF Monthly Rental Of 8' - 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	11.60	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	1.74	
01 56 29 00-0011 LF Monthly Rental Of 8' - 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	13.73	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	2.06	
01 56 29 00-0012 LF Monthly Rental Of Over 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	12.67	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	1.90	
01 56 29 00-0013 LF Monthly Rental Of Over 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	14.78	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	2.22	
01 56 29 00-0014 LF Monthly Rental Of Over 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	15.82	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	2.37	
01 56 29 00-0015 LF Monthly Rental of Netting for Sidewalk Bridge.....	1.58	
<b>01 56 29 00-0016 Removal of Sidewalk Bridge (01 56 29 00-0001)</b>		
01 56 29 00-0017 LF Removal of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	13.07	
Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.		
For 3 Post System, Add	2.50	
For Each Additional Foot Over 8' Wide, Add	1.25	
For Each Additional Foot Over 8' High, Add	0.75	
01 56 29 00-0018 LF Removal of Netting for Sidewalk Bridge.....	0.80	
<b>01 56 29 00-0019 Safety Nets (01 56 29)</b>		
Note: Includes removal after use.		
01 56 29 00-0020 SF Small Mesh Debris Netting.....	1.14	
Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors.		
<b>01 56 33 Temporary Security Barriers (01 56)</b>		
<b>01 56 33 00-0001 Board-up Opening With Plywood (01 56 33)</b>		
Note: For use where directed by owner for boarding up door and window openings.		
01 56 33 00-0002 OPN Removal Of Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day.....	5.84	
01 56 33 00-0003 SF Board-up Opening With 5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners.....	3.39	
01 56 33 00-0004 SF Board-up Opening With 3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners.....	3.91	
<b>01 56 33 00-0005 Temporary Pedestrian Barricade (01 56 33)</b>		
Note: Portable, interlocking galvanized steel fence with pivoting legs.		
01 56 33 00-0006 DAY 3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	7.86	
01 56 33 00-0007 WK 3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	19.10	
01 56 33 00-0008 MO 3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	57.29	
<b>01 56 39 Temporary Tree And Plant Protection (01 56)</b>		
<b>01 56 39 00-0001 Temporary Tree Guards (01 56 39)</b>		
Note: Includes digging holes and removal after use.		
01 56 39 00-0002 EA Up To 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	93.79	
01 56 39 00-0003 EA 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	113.58	
01 56 39 00-0004 EA 6' x 6' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	123.95	
01 56 39 00-0005 EA Temporary Tree Wrap, With 2" x 10" Or 2" x 12" Tied Around Tree With 4' Visible Fence Around Tree Base.....	75.08	
Note: Includes removal after use.		
<b>01 57 Temporary Controls (01 50)</b>		
<b>01 57 13 Temporary Erosion And Sediment Control (01 57)</b>		
See CSI section 31 25 00 00-0000 for temporary erosion and sediment control.		
<b>01 57 23 Temporary Storm Water Pollution Control (01 57)</b>		
See CSI section 31 25 00 00-0000 for temporary storm water pollution control.		

<b>01</b>	<b>General Requirements</b>
<b>01 50</b>	<b>Temporary Facilities And Controls</b>
<b>01 57</b>	<b>Temporary Controls</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 57 23 00-0001	Temporary Drain Guard <sup>(01 57 23)</sup> Note: Includes removal after use.		
01 57 23 00-0002	EA 36" x 48" x 18" Non-Woven Polypropylene Trash and Debris Drain Guard (Ultra-Drain Guard® 9227) .....	56.52	
01 57 23 00-0003	EA 36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9217) .....	55.36	
	Note: Up to 0.87 gallons oil, up to 40 lbs sediment.		
01 57 23 00-0004	EA 36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9219) .....	71.64	
	Note: Up to 1.38 gallons oil, up to 40 lbs sediment.		
01 57 23 00-0005	EA 60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9356) .....	70.47	
	Note: Up to 1.55 gallons oil, up to 40 lbs sediment.		
01 57 23 00-0006	EA 60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9358) .....	87.92	
	Note: Up to 2.06 gallons oil, up to 40 lbs sediment.		

## 01 58 Project Identification <sup>(01 50)</sup>

Note: Includes removal after use.

### 01 58 13 Temporary Project Signage <sup>(01 58)</sup>

01 58 13 00-0001	Project Sign <sup>(01 58 13)</sup>		
01 58 13 00-0002	MDO Plywood Signs <sup>(01 58 13 00-0001)</sup> Note: Excludes posts.		
01 58 13 00-0003	Reflectorized, MDO Plywood Signs <sup>(01 58 13 00-0002)</sup>		
01 58 13 00-0004	Engineer Grade, Reflectorized, MDO Plywood Signs <sup>(01 58 13 00-0003)</sup>		
01 58 13 00-0005	EA Up To 8 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign .....	91.05	10.72
	For High-Intensity Grade, Add	24.37	
	For Diamond Grade, Add	46.99	
01 58 13 00-0006	EA >8 To 16 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign .....	161.64	11.20
	For High-Intensity Grade, Add	48.73	
	For Diamond Grade, Add	93.98	
01 58 13 00-0007	EA >16 To 24 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign .....	232.23	11.69
	For High-Intensity Grade, Add	73.10	
	For Diamond Grade, Add	140.97	
01 58 13 00-0008	EA >24 To 32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign .....	302.82	12.18
	For High-Intensity Grade, Add	97.46	
	For Diamond Grade, Add	187.96	
01 58 13 00-0009	SF >32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign .....	9.48	0.39
	For High-Intensity Grade, Add	3.05	
	For Diamond Grade, Add	5.87	
01 58 13 00-0010	Non-Reflectorized, MDO Plywood Signs <sup>(01 58 13 00-0002)</sup>		
01 58 13 00-0011	One Or Two Color Design, Non-Reflectorized, MDO Plywood Signs <sup>(01 58 13 00-0010)</sup>		
01 58 13 00-0012	EA Up To 8 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign .....	115.88	10.72
01 58 13 00-0013	EA >8 To 16 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign .....	139.40	11.20
01 58 13 00-0014	EA >16 To 24 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign .....	176.33	11.69
01 58 13 00-0015	EA >24 To 32 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign .....	211.18	12.18
01 58 13 00-0016	SF >32 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign .....	6.62	0.39
01 58 13 00-0017	Full Color Design, Non-Reflectorized, MDO Plywood Signs <sup>(01 58 13 00-0010)</sup>		
01 58 13 00-0018	EA Up To 8 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign .....	118.54	10.72
01 58 13 00-0019	EA >8 To 16 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign .....	153.74	11.20
01 58 13 00-0020	EA >16 To 24 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign .....	190.89	11.69
01 58 13 00-0021	EA >24 To 32 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign .....	223.66	12.18
01 58 13 00-0022	SF >32 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign .....	7.01	0.39
01 58 13 00-0023	Fabricate And Install New Posts <sup>(01 58 13 00-0001)</sup> Note: Includes excavation, backfill and compaction. Excludes core drilling.		
01 58 13 00-0024	LF Galvanized Metal Channel Sign Posts .....	7.83	
01 58 13 00-0025	LF 4" x 4" Pressure Treated Wood Sign Posts .....	4.97	
01 58 13 00-0026	LF 4" x 6" Pressure Treated Wood Sign Posts .....	6.59	
01 58 13 00-0027	Owner Supplied Signs <sup>(01 58 13 00-0001)</sup>		
01 58 13 00-0028	EA Installation And Removal Of Owner Supplied Project Sign .....	38.97	

## 01 60 Product Requirements <sup>(01)</sup>

### 01 66 Product Storage And Handling Requirements <sup>(01 60)</sup>

#### 01 66 19 Product Handling Requirements <sup>(01 66)</sup>

Note: Not for use in conjunction with other tasks when the distance is less than 2 stories with attic (2-1/2 stories) or less than 125'.

01 66 19 00-0001	Transfer Delivered Materials Between Floors <sup>(01 66 19)</sup> Note: For moving delivered, owner supplied or existing materials.		
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<b>General Requirements</b>	<b>01</b>	<b>10</b>
<b>Product Requirements</b>	<b>01 60</b>	
<b>Product Storage And Handling Requirements</b>	<b>01 66</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 66 19 00-0002 CY Transfer Delivered Material Between Floors Via Stairs, Per Floor.....	7.49	
Note: Quantity equals volume of materials multiplied by number of floors traveled.		
01 66 19 00-0003 CY Transfer Delivered Material Between Floors Via Elevator, Per Trip.....	4.87	
Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.		
<b>01 66 19 00-0004</b> Transfer Delivered Materials Distances Greater Than 125' <sup>(01 66 19)</sup>		
Note: For moving delivered, owner supplied or existing materials.		
01 66 19 00-0005 CY Transfer Delivered Materials Distances Greater Than 125', Per CY Of Material Per 125' .....	3.05	
<b>01 66 19 00-0006</b> Transfer Demolition Debris Between Floors <sup>(01 66 19)</sup>		
Note: Only for use with demolition tasks.		
01 66 19 00-0007 CY Transfer Demolition Debris Between Floors Via Stairs, Per Floor .....	9.64	
Note: Quantity equals material volume times bulk factor times number of floors traveled.		
01 66 19 00-0008 CY Transfer Demolition Debris Between Floors Via Elevator, Per Trip .....	5.78	
Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.		
<b>01 66 19 00-0009</b> Transfer Demolition Debris Distances Greater Than 125' <sup>(01 66 19)</sup>		
01 66 19 00-0010 CY Transfer Demolition Debris Distances Greater Than 125', Per CY Of Material Per 125' .....	3.05	
<b>01 66 19 00-0011</b> Moving Furniture And Furnishings <sup>(01 66 19)</sup>		
Note: To be used when contractor is required to move furniture and furnishings occupying 55% or more of the total floor space.		
01 66 19 00-0012 SF Remove, Transport, Return And Reinstall Office Furniture And Furnishings.....	0.48	
Note: Includes desks, tables, file cabinets, chairs, storage boxes, bookshelves, office equipment, computers, and other furniture and furnishings. Quantity equals total floor space.		
<b>01 66 23 Off-Site Storage Facilities <sup>(01 66)</sup></b>		
<b>01 66 23 00-0001</b> Climate And Humidity Controlled Off-site Storage Facility <sup>(01 66 23)</sup>		
01 66 23 00-0002 MO 5' x 10', Climate And Humidity Controlled Storage Facility .....	167.62	
01 66 23 00-0003 MO 10' x 10', Climate And Humidity Controlled Storage Facility .....	187.78	
01 66 23 00-0004 MO 10' x 20', Climate And Humidity Controlled Storage Facility .....	345.31	
01 66 23 00-0005 MO 15' x 15', Climate And Humidity Controlled Storage Facility .....	424.71	
01 66 23 00-0006 MO 10' x 30', Climate And Humidity Controlled Storage Facility .....	544.44	

## 01 70 Execution And Closeout Requirements <sup>(01)</sup>

### 01 71 Examination And Preparation <sup>(01 70)</sup>

#### 01 71 13 Mobilization <sup>(01 71)</sup>

##### 01 71 13 00-0001 Equipment Delivery, Pickup, Mobilization And Demobilization <sup>(01 71 13)</sup>

Note: Excludes flagman for traffic control where necessary.

01 71 13 00-0002 EA Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck .....

158.88

Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom man lifts with up to 40' boom lengths, etc.

01 71 13 00-0003 EA Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed.....

602.40

Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom man lifts with >40' boom lengths, etc.

##### 01 71 13 00-0004 Crane Delivery, Pickup, Mobilization And Demobilization <sup>(01 71 13)</sup>

Note: Includes delivery of equipment, off loading on site and rigging. Return includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.

01 71 13 00-0005 EA Up To 20 Ton Lift Move On/Off Cost, Hydraulic Crane .....

254.21

Note: Includes delivery and pickup.

For >30 To 60 Miles Radius, Add 63.55

For >60 To 100 Miles Radius, Add 101.68

01 71 13 00-0006 EA 20 To 30 Ton Lift Move On/Off Cost, Hydraulic Crane .....

413.09

Note: Includes delivery and pickup.

For >30 To 60 Miles Radius, Add 103.27

For >60 To 100 Miles Radius, Add 165.24

01 71 13 00-0007 EA 40 To 50 Ton Lift Move On/Off Cost, Hydraulic Crane .....

571.98

Note: Includes delivery and pickup.

For >30 To 60 Miles Radius, Add 143.00

For >60 To 100 Miles Radius, Add 228.79

01 71 13 00-0008 EA 70 To 100 Ton Lift Move On/Off Cost, Hydraulic Crane .....

921.53

Note: Includes delivery and pickup.

For >30 To 60 Miles Radius, Add 230.38

For >60 To 100 Miles Radius, Add 368.61

<b>01</b>	<b>General Requirements</b>
<b>01 70</b>	<b>Execution And Closeout Requirements</b>
<b>01 71</b>	<b>Examination And Preparation</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 13 00-0009 EA 75 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane .....730.87 Note: Includes delivery and pickup. For >30 To 60 Miles Radius, Add 182.72 For >60 To 100 Miles Radius, Add 292.35		
01 71 13 00-0010 EA 100 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane .....1,175.74 Note: Includes delivery and pickup. For >30 To 60 Miles Radius, Add 293.94 For >60 To 100 Miles Radius, Add 470.30		
01 71 13 00-0011 EA 125 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane .....1,480.80 Note: Includes delivery and pickup. For >30 To 60 Miles Radius, Add 370.20 For >60 To 100 Miles Radius, Add 592.32		
01 71 13 00-0012 EA 150 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane .....1,836.70 Note: Includes delivery and pickup. For >30 To 60 Miles Radius, Add 459.18 For >60 To 100 Miles Radius, Add 734.68		
01 71 13 00-0013 EA 250 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane .....2,669.25 Note: Includes delivery and pickup. For >30 To 60 Miles Radius, Add 667.31 For >60 To 100 Miles Radius, Add 1,067.70		
01 71 13 00-0014 EA 300 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane .....3,813.22 Note: Includes delivery and pickup. For >30 To 60 Miles Radius, Add 953.31 For >60 To 100 Miles Radius, Add 1,525.29		
01 71 13 00-0015 EA 500 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane .....5,243.18 Note: Includes delivery and pickup. For >30 To 60 Miles Radius, Add 1,310.80 For >60 To 100 Miles Radius, Add 2,097.27		
<b>01 71 23 Field Engineering (01 71)</b>		
<b>01 71 23 16 Construction Surveying (01 71 23)</b>		
<b>01 71 23 16-0001 Conventional Topographic Survey (01 71 23 16)</b> Note: The professional services include AutoCAD drafting and certification. The survey includes location of structures, walks, drives, parking, significant vegetation, utilities, etc. The area within building footprint is not to be considered as part of the acreage.		
01 71 23 16-0002 ACR Survey Clear Area With Few To No Obstacles .....580.10		
01 71 23 16-0003 ACR Survey Clear Area With Medium Height Vegetation, Few Trees (<5% Buildings) .....1,532.35		
01 71 23 16-0004 ACR Survey Clear Area With Few Structures, And/Or Wooded (5-25% Buildings) .....2,207.56		
01 71 23 16-0005 ACR Survey Developed Areas With Several Structures (25-65% Buildings) .....3,264.00		
01 71 23 16-0006 ACR Survey Highly Developed Areas, Sidewalks, Etcetera (>65% Buildings) .....4,065.43		
<b>01 71 23 16-0007 Property Lines Survey (01 71 23 16)</b> Note: Not to be added to tasks in the "Conventional Topographic Survey" section.		
01 71 23 16-0008 LF Survey Property Lines On Cleared Land .....1.16		
01 71 23 16-0009 LF Survey Property Lines On Slightly Wooded Land .....1.34		
01 71 23 16-0010 LF Survey Property Lines On Wooded Land .....1.57		
<b>01 71 23 16-0011 Survey Monument (01 71 23 16)</b>		
01 71 23 16-0012 EA 3' Precast Survey Monument .....108.51 For Owner Furnished Monument, Deduct -32.71		
<b>01 71 23 16-0013 Facade Surveying (01 71 23 16)</b>		
01 71 23 16-0014 LF Facade Survey And Reports (LF Of Facade x Number Of Floors) .....3.12		
<b>01 71 23 16-0015 Utility Survey (01 71 23 16)</b> Note: This survey is only for the location of underground utilities.		
01 71 23 16-0016 ACR Survey Clear Area For Underground Utilities .....2,704.14		
<b>01 71 36 Non-Destructive Concrete Examination (01 71)</b>		
<b>01 71 36 00-0001 Electromagnetic Survey (01 71 36)</b> Note: To locate voids, prior to moving heavy machinery to an area of concern, to locate reinforcing bars, conduits, pipes, etc., prior to core drilling or cutting existing concrete, masonry or asphalt, to locate underground utilities, underground storage tanks, etc. Electromagnetic survey includes Subsurface Interface Radar (SIR) and/or Ground Penetrating Radar (GPR).		
<b>01 71 36 00-0002 Electromagnetic (SIR/GPR) Survey (01 71 36 00-0001)</b>		
01 71 36 00-0003 EA Up To 1 Hour On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt .....632.64		
01 71 36 00-0004 EA >1 To 4 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt .....948.96		
01 71 36 00-0005 EA >4 To 8 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt .....1,897.92		
<b>01 71 36 00-0006 Reports And Mapping For Electromagnetic (SIR/GPR) Surveys (01 71 36 00-0001)</b>		
01 71 36 00-0007 EA Standard Report For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt .....210.88 Note: Includes a detailed description of the scope of work, inspection methods, and equipment used. Also includes visuals such as site locations, images of data, and site photos.		



<b>General Requirements</b>	<b>01</b>	<b>10</b>
<b>Execution And Closeout Requirements</b>	<b>01 70</b>	
<b>Examination And Preparation</b>	<b>01 71</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 36 00-0008	EA		GPS Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt ..... Note: Includes GPS coordinates of located items and reference items.	421.76	
01 71 36 00-0009	EA		CAD Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt ..... Note: Includes additions to the owner provided CAD drawing.	948.96	

**01 74 Cleaning And Waste Management** (01 74)

**01 74 13 Progress Cleaning** (01 74)

Note: For use on existing areas other than where actual work is to be performed where ordered by the owner. Daily cleanup and final cleanup is included in the contractor's adjustment factor.

**01 74 13 00-0001 General** (01 74 13)

01 74 13 00-0002	CSF	Clean Miscellaneous Surfaces, Wipe Down With Mild Detergent.....	9.75
01 74 13 00-0003	CY	Collect Existing Debris And Load Into Truck Or Dumpster .....	11.46

Note: Per CY of debris removed.

**01 74 13 00-0004 Window Washing** (01 74 13)

Note: Includes scaffolding, platform lift, swing scaffold, boatswains chair or other required equipment.

01 74 13 00-0005	SF	Wash Exterior Windows On First Floor Without Window Guards .....	0.44
01 74 13 00-0006	SF	Wash Exterior Windows Above First Floor Without Window Guard.....	1.24
01 74 13 00-0007	SF	Wash Interior Windows Without Window Guard .....	0.65
01 74 13 00-0008	SF	Wash Exterior Windows On First Floor With Window Guards .....	0.82
01 74 13 00-0009	SF	Wash Exterior Windows Above First Floor With Window Guard.....	1.62
01 74 13 00-0010	SF	Wash Interior Windows With Window Guard .....	1.05

**01 74 16 Site Maintenance** (01 74)

**01 74 16 00-0001 Parking Lot, Roads And Pathway Maintenance** (01 74 16)

Note: These tasks shall be used for maintenance of existing roads and walks only as requested by the owner. Do not use these tasks in conjunction with related installation/demolition tasks in the Construction Task Catalog@.

**01 74 16 00-0002 Parking Lot, Road, And Street Sweeping** (01 74 16 00-0001)

01 74 16 00-0003	MSF	Sweep Parking Lot, With Street Sweeper.....	9.61
01 74 16 00-0004	MSF	Sweeper/Vacuum/Sprayer For Parking Lots, Streets And Roads.....	11.52

**01 74 19 Construction Waste Management And Disposal** (01 74)

Note: Tasks in this section shall be used as directed by owner.

**01 74 19 00-0001 Debris Chutes** (01 74 19)

Note: Includes hopper sections and entry sections. Used as required for buildings of all heights.

**01 74 19 00-0002 Steel Temporary Debris Chutes** (01 74 19 00-0001)

01 74 19 00-0003	LF	18" Diameter, Steel Temporary Debris Chute.....	17.90
01 74 19 00-0004	LF	30" Diameter, Steel Temporary Debris Chute.....	28.14

**01 74 19 00-0005 Plastic Temporary Debris Chutes** (01 74 19 00-0001)

01 74 19 00-0006	LF	24" Diameter, Plastic Temporary Debris Chute .....	7.12
		<i>For Steel Liner, Add</i>	1.51
01 74 19 00-0007	LF	30" Diameter, Plastic Temporary Debris Chute .....	8.17
		<i>For Steel Liner, Add</i>	1.73
01 74 19 00-0008	LF	36" Diameter, Plastic Temporary Debris Chute .....	9.21
		<i>For Steel Liner, Add</i>	1.95

**01 74 19 00-0009 Wood Temporary Debris Chutes** (01 74 19 00-0001)

01 74 19 00-0010	LF	4' x 4', Wood Temporary Debris Chute .....	15.29
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Note: Includes fabrication and installation.

**01 74 19 00-0011 Construction Dumpsters Rental** (01 74 19)

Note: Includes service to delivery and pick-up of dumpster, hauling of debris, rental of dumpster and all applicable non-hazardous disposal fees. Cost of "each" is based on each pick-up. Unacceptable materials include: aerosol cans, all liquids, animals, antifreeze, appliances, asbestos, barrels, batteries, chemical products, computers, contaminated oils (mixed with solvents, gasoline, etc.), dirt, fluorescent tubes, hazardous waste, herbicides and pesticides, industrial waste, lubricating/hydraulic oil, mattresses, medical waste, microwaves, monitors, motor oil, oil filters, other flammable liquids, paint (except completely dried latex paint cans, no liquids), petroleum-contaminated soil/lead paint chips, propane tanks, radioactive material, railroad ties, solvents, televisions, tires, and transmission oil.

01 74 19 00-0012	EA	10 CY Dumpster (2 Ton) "Construction Debris".....	398.00
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	
		<i>For Each Ton Over Indicated Amount, Add</i>	77.00
01 74 19 00-0013	EA	15 CY Dumpster (2 Ton) "Construction Debris".....	397.99
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	
		<i>For Each Ton Over Indicated Amount, Add</i>	77.00
01 74 19 00-0014	EA	20 CY Dumpster (2 Ton) "Construction Debris".....	459.00
		Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	
		<i>For Each Ton Over Indicated Amount, Add</i>	77.00



<b>01</b>	<b>General Requirements</b>
<b>01 70</b>	<b>Execution And Closeout Requirements</b>
<b>01 74</b>	<b>Cleaning And Waste Management</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 19 00-0015	EA		30 CY Dumpster (3 Ton) "Construction Debris".....	508.97	
			Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
			For Each Ton Over Indicated Amount, Add	77.00	
01 74 19 00-0016	EA		40 CY Dumpster (5 Ton) "Construction Debris".....	618.98	
			Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
			For Each Ton Over Indicated Amount, Add	77.00	
<b>01 74 19 00-0017</b>			<b>Concrete Washout Service</b> (01 74 19)		
01 74 19 00-0018	MO		Rampless Concrete Washout Bin.....	395.01	
			Note: Includes delivery.		
01 74 19 00-0019	MO		Ramped Concrete Washout Bin.....	474.01	
			Note: Includes delivery.		
01 74 19 00-0020	EA		Interim Vacuum Service, Concrete Washout Bin.....	348.12	
			Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.		
01 74 19 00-0021	EA		Vacuum, Pickup, Swap And Dump, Concrete Washout Bin.....	754.26	
			Note: Includes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.		
<b>01 74 19 00-0022</b>			<b>Debris Processing Fee</b> (01 74 19)		
<b>01 74 19 00-0023</b>			<b>Material Recycling Fees</b> (01 74 19 00-0022)		
			Note: Does not apply with use of dumpsters. Excludes hauling.		
01 74 19 00-0024	CY		Drop-Off Asphalt At Recycling Center.....	17.12	
01 74 19 00-0025	CY		Drop-Off Non Reinforced Concrete At Recycling Center.....	22.93	
01 74 19 00-0026	CY		Drop-Off Reinforced Concrete At Recycling Center.....	34.40	
01 74 19 00-0027	CY		Drop-Off Brick Or Block At Recycling Center.....	29.81	
01 74 19 00-0028	CY		Drop-Off Dirt At Recycling Center.....	33.25	
01 74 19 00-0029	CY		Drop-Off Dimensional Lumber At Recycling Center.....	32.10	
<b>01 74 19 00-0030</b>			<b>Landfill Dump Fees</b> (01 74 19 00-0022)		
			Note: Contractor shall not use when material is disposed at Owner's site or facility (with waived tipping fee), or with use per dumpsters. Excludes hauling.		
01 74 19 00-0031	TON		Dump Fee.....	66.50	
			Note: Used for municipal solid waste (household garbage), yard waste (grass, yard trimmings, etc.), construction waste, woody waste (lumber), clean rubble (concrete, brick, dirt, etc.), and other waste mixed with yard waste, construction waste, or woody waste.		
<b>01 74 19 00-0032</b>			<b>Hauling</b> (01 74 19)		
			Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: 32 total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM.		
01 74 19 00-0033	CYM		Hauling On Paved Roads, First 15 Miles.....	0.53	
01 74 19 00-0034	CYM		Hauling On Paved Roads, Miles Over Initial 15 Miles.....	0.36	
01 74 19 00-0035	CYM		Hauling On Unimproved Roads, First 15 Miles.....	0.83	
01 74 19 00-0036	CYM		Hauling On Unimproved Roads, Miles Over Initial 15 Miles.....	0.64	
01 74 19 00-0037	EA		Truck Liner For Wet Dredging.....	51.82	
			Note: Per Trip		
<b>01 74 23</b>			<b>Final Cleaning</b> (01 74)		
<b>01 74 23 00-0001</b>			<b>Glass</b> (01 74 23)		
01 74 23 00-0002	CSF		Clean Existing Glass Surfaces.....	13.79	
<b>01 74 23 00-0003</b>			<b>Cleaning Of Unit Components</b> (01 74 23)		
			Note: Cleaning shall be used only as directed by the Owner. It is not to be used in conjunction with installation/demolition tasks in the Construction Task Catalog®.		
01 74 23 00-0004	EA		Clean Residential Plumbing Fixtures.....	7.61	
01 74 23 00-0005	EA		Clean Commercial Plumbing Fixture.....	12.37	
01 74 23 00-0006	EA		Clean Residential HVAC Unit.....	41.70	
01 74 23 00-0007	EA		Clean Commercial HVAC Unit.....	86.18	
01 74 23 00-0008	EA		Clean Residential Light Fixture.....	11.03	
01 74 23 00-0009	EA		Clean Commercial Light Fixture.....	18.38	
01 74 23 00-0010	SF		Clean Mirror.....	0.12	
01 74 23 00-0011	CSF		Clean Windows - Interior.....	15.46	
01 74 23 00-0012	CSF		Clean Windows - Exterior.....	18.55	
01 74 23 00-0013	EA		Clean Cabinets.....	15.46	
01 74 23 00-0014	LF		Clean Counter-Top.....	0.46	
			Note: Includes backboard.		
01 74 23 00-0015	CSF		Clean Walls.....	13.91	
01 74 23 00-0016	CSF		Clean Ceilings.....	27.83	
01 74 23 00-0017	CSF		Clean Stairs.....	20.10	
01 74 23 00-0018	EA		Clean Doors.....	20.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 23 00-0019 CSF Clean Floor - Wood.....	24.73	
01 74 23 00-0020 CSF Clean Floor - Carpet.....	21.77	
01 74 23 00-0021 CSF Steam Clean Carpet.....	28.84	
01 74 23 00-0022 LF Clean Ductwork.....	1.01	
01 74 23 00-0023 EA Clean Ductwork Vent Opening.....	5.02	
01 74 23 00-0024 EA Clean Residential Appliance.....	24.35	
01 74 23 00-0025 EA Clean Residential Plumbing Bath Tub Without Surround.....	17.26	
01 74 23 00-0026 EA Clean Residential Plumbing Bath Tub With Surround.....	32.59	

## 01 95 Residential Construction <sup>(01)</sup>

### 01 95 01 Residential - General Conditions <sup>(01 95)</sup>

01 95 01 00-0001	Pre-Clean Interior Of Residential Unit <sup>(01 95 01)</sup>	
	Note: Remove all discarded debris from unit prior to commencement of work. Excludes disposal of waste.	
01 95 01 00-0002	EA Pre-Clean Residential Unit - Efficiency Unit.....	272.66
01 95 01 00-0003	EA Pre-Clean Residential Unit - One Bedroom Unit.....	350.34
01 95 01 00-0004	EA Pre-Clean Residential Unit - Two Bedroom Unit.....	523.62
01 95 01 00-0005	EA Pre-Clean Residential Unit - Three Bedroom Unit.....	705.75
01 95 01 00-0006	EA Pre-Clean Residential Unit - Four Bedroom Unit.....	896.81
01 95 01 00-0007	EA Pre-Clean Residential Unit - Five Bedroom Unit.....	1,082.14
01 95 01 00-0008	EA Pre-Clean Residential Unit - Six Bedroom Unit.....	1,264.85
01 95 01 00-0009	EA Pre-Clean Residential Basement.....	779.14

01 95 01 00-0010	Final Clean Interior Of Residential Unit <sup>(01 95 01)</sup>	
	Note: Final cleaning to make unit ready for tenant move-in. This is over and above the daily and final construction cleaning which is part of the Contractor's Adjustment Factor.	
01 95 01 00-0011	EA Final Clean Residential Unit - Efficiency Unit.....	331.27
01 95 01 00-0012	EA Final Clean Residential Unit - One Bedroom Unit.....	427.16
01 95 01 00-0013	EA Final Clean Residential Unit - Two Bedroom Unit.....	624.32
01 95 01 00-0014	EA Final Clean Residential Unit - Three Bedroom Unit.....	811.61
01 95 01 00-0015	EA Final Clean Residential Unit - Four Bedroom Unit.....	1,058.63
01 95 01 00-0016	EA Final Clean Residential Unit - Five Bedroom Unit.....	1,248.63
01 95 01 00-0017	EA Final Clean Residential Unit - Six Bedroom Unit.....	1,440.73
01 95 01 00-0018	EA Final Clean Residential Unit - Basement.....	857.33

01 95 01 00-0019	Clean Residential HVAC <sup>(01 95 01)</sup>	
01 95 01 00-0020	EA Clean And Service Residential Furnace.....	336.26
01 95 01 00-0021	EA Clean Residential Ductwork In Efficiency Unit.....	253.23
01 95 01 00-0022	EA Clean Residential Ductwork In One Bedroom Unit.....	302.65
01 95 01 00-0023	EA Clean Residential Ductwork In Two Bedroom Unit.....	352.11
01 95 01 00-0024	EA Clean Residential Ductwork In Three Bedroom Unit.....	402.12
01 95 01 00-0025	EA Clean Residential Ductwork In Four Bedroom Unit.....	451.31
01 95 01 00-0026	EA Clean Residential Ductwork In Five Bedroom Unit.....	507.78
01 95 01 00-0027	EA Clean Residential Ductwork In Six Bedroom Unit.....	565.58

01 95 01 00-0028	Residential Relocation Costs <sup>(01 95 01)</sup>	
	Note: Includes packing and relocating furniture to new location. Excludes moving truck.	
01 95 01 00-0029	EA Move Furniture In Residential Efficiency Bedroom, Same Floor.....	321.88
01 95 01 00-0030	EA Move Furniture In Residential One Bedroom, Same Floor.....	433.74
01 95 01 00-0031	EA Move Furniture In Residential Two Bedroom, Same Floor.....	682.40
01 95 01 00-0032	EA Move Furniture In Residential Three Bedroom, Same Floor.....	891.53
01 95 01 00-0033	EA Move Furniture In Residential Four Bedroom, Same Floor.....	1,100.35
01 95 01 00-0034	EA Move Furniture In Residential Five Bedroom, Same Floor.....	1,273.70
01 95 01 00-0035	EA Move Furniture In Residential Six Bedroom, Same Floor.....	1,484.10
01 95 01 00-0036	EA Move Furniture In Residential Efficiency Bedroom, Different Floor.....	380.83
01 95 01 00-0037	EA Move Furniture In Residential One Bedroom, Different Floor.....	511.80
01 95 01 00-0038	EA Move Furniture In Residential Two Bedroom, Different Floor.....	840.29
01 95 01 00-0039	EA Move Furniture In Residential Three Bedroom, Different Floor.....	1,086.75
01 95 01 00-0040	EA Move Furniture In Residential Four Bedroom, Different Floor.....	1,343.36
01 95 01 00-0041	EA Move Furniture In Residential Five Bedroom, Different Floor.....	1,549.02
01 95 01 00-0042	EA Move Furniture In Residential Six Bedroom, Different Floor.....	1,759.83
01 95 01 00-0043	EA Move Furniture In Residential Efficiency Bedroom, Different Building.....	596.92
01 95 01 00-0044	EA Move Furniture In Residential One Bedroom, Different Building.....	746.09
01 95 01 00-0045	EA Move Furniture In Residential Two Bedroom, Different Building.....	1,073.16
01 95 01 00-0046	EA Move Furniture In Residential Three Bedroom, Different Building.....	1,403.26
01 95 01 00-0047	EA Move Furniture In Residential Four Bedroom, Different Building.....	1,662.43
01 95 01 00-0048	EA Move Furniture In Residential Five Bedroom, Different Building.....	1,862.96
01 95 01 00-0049	EA Move Furniture In Residential Six Bedroom, Different Building.....	2,073.53

01 95 01 00-0050	Residential Testing <sup>(01 95 01)</sup>	
01 95 01 00-0051	EA Carbon Dioxide (CO2) Test For Residential Sewer Vents.....	305.24
01 95 01 00-0052	EA Carbon Monoxide (CO) Test On Residential Furnace.....	425.67

**01 General Requirements****01 95 Residential Construction****01 95 06 Residential - Wood And Plastics**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**01 95 06 Residential - Wood And Plastics** (01 95)

01 95 06 00-0001	Residential Wood Hand Rails (01 95 06)		
01 95 06 00-0002	EA Brackets For Residential Hand Rails .....	18.72	4.84
01 95 06 00-0003	LF 2-1/4" x 2-3/8" Oak Colonial Residential Handrail.....	10.27	2.75
01 95 06 00-0004	LF 2-1/4" x 2-3/8" Hemlock Colonial Residential Handrail .....	8.87	2.75
01 95 06 00-0005	LF 2-1/4" x 2-3/8" Poplar Colonial Residential Handrail.....	10.17	2.75
01 95 06 00-0006	LF 1-5/8" x 1-1/16" Pine Oval Residential Handrail.....	6.93	2.75
01 95 06 00-0007	LF 1-1/4" x 2-1/4" Pine Oval Residential Handrail.....	6.98	2.75
01 95 06 00-0008	LF 2-1/4" x 1-5/16" Poplar Oval Residential Handrail.....	7.44	2.75
01 95 06 00-0009	LF 1-3/4" x 1-5/8" Oak Oval Residential Handrail .....	8.22	2.75
01 95 06 00-0010	LF 2-1/4" x 1-1/2" Oak Oval Residential Handrail .....	8.36	2.75
01 95 06 00-0011	Residential Wood Shelving (01 95 06)		
	Note: Wood shelving is clear or finger jointed pine, poplar, laminated particle board or medium-density fiberboard (MDF) shelving. Includes brackets.		
01 95 06 00-0012	LF 12" Wide Wood Shelving For Residential Closets .....	16.70	2.51
01 95 06 00-0013	LF 16" Wide Wood Shelving For Residential Closets .....	25.07	3.81
01 95 06 00-0014	LF 20" Wide Wood Shelving For Residential Closets .....	33.55	5.07
01 95 06 00-0015	Residential Base Cabinets (01 95 06)		
	Note: Armstrong Extreme Branford Oak or Coronet Plantation Hardwood. Excludes tops.		
01 95 06 00-0016	Base Cabinets, Single Drawer And Single Door (01 95 06 00-0015)		
	Note: Use these cabinets for Universal Access (32-1/2" high with 8-1/2" kick) applications.		
01 95 06 00-0017	EA Up To 15" Width, 34-1/2" High x 24" Deep Base 1 Drawer And 1 Door Residential Cabinet.....	172.68	22.40
	Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Solid hardwood door panels. Excludes countertop.		
	For 3 Drawer Unit, Add	56.30	
	For 4 Drawer Unit, Add	70.38	
01 95 06 00-0018	EA >15"-18" Width, 34-1/2" High x 24" Deep Base 1 Drawer And 1 Door Residential Cabinet.....	186.00	27.50
	Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Solid hardwood door panels. Excludes countertop.		
	For 3 Drawer Unit, Add	58.73	
	For 4 Drawer Unit, Add	73.42	
01 95 06 00-0019	EA >18"-21" Width, 34-1/2" High x 24" Deep Base 1 Drawer And 1 Door Residential Cabinet.....	203.06	31.44
	Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Solid hardwood door panels. Excludes countertop.		
	For 3 Drawer Unit, Add	63.30	
	For 4 Drawer Unit, Add	79.13	
01 95 06 00-0020	EA >21"-24" Width, 34-1/2" High x 24" Deep Base 1 Drawer And 1 Door Residential Cabinet.....	216.04	36.55
	Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Solid hardwood door panels. Excludes countertop.		
	For 3 Drawer Unit, Add	65.59	
	For 4 Drawer Unit, Add	81.99	
01 95 06 00-0021	Base Cabinets, Double Drawer And Double Door (01 95 06 00-0015)		
	Note: Use these cabinets for Universal Access (32-1/2" high with 8-1/2" kick) applications.		
01 95 06 00-0022	EA 24"-27" Wide, 34-1/2" High x 24" Deep 2 Drawer And 2 Door Residential Cabinet.....	266.25	30.06
	Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Solid hardwood door panels. Excludes countertop.		
	For 3 Drawer Unit, Add	20.61	
	For Sink Base With Sink Front (No Drawer), Deduct	-30.92	
01 95 06 00-0023	EA >33"-30" Wide, 34-1/2" High x 24" Deep 2 Drawer And 2 Door Residential Cabinet.....	277.36	32.23
	Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Solid hardwood door panels. Excludes countertop.		
	For 3 Drawer Unit, Add	21.29	
	For Sink Base With Sink Front (No Drawer), Deduct	-31.94	
01 95 06 00-0024	EA >30"-33" Wide, 34-1/2" High x 24" Deep 2 Drawer And 2 Door Residential Cabinet.....	287.50	33.01
	Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Solid hardwood door panels. Excludes countertop.		
	For 3 Drawer Unit, Add	22.15	
	For Sink Base With Sink Front (No Drawer), Deduct	-33.22	
01 95 06 00-0025	EA >33"-36" Wide, 34-1/2" High x 24" Deep 2 Drawer And 2 Door Residential Cabinet.....	296.58	33.80
	Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Solid hardwood door panels. Excludes countertop.		
	For 3 Drawer Unit, Add	22.90	
	For Sink Base With Sink Front (No Drawer), Deduct	-34.35	
01 95 06 00-0026	EA >36"-42" Wide, 34-1/2" High x 24" Deep 2 Drawer And 2 Door Residential Cabinet.....	325.66	36.55
	Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Solid hardwood door panels. Excludes countertop.		
	For 3 Drawer Unit, Add	25.26	
	For Sink Base With Sink Front (No Drawer), Deduct	-37.89	
01 95 06 00-0027	EA >42"-48" Wide, 34-1/2" High x 24" Deep 2 Drawer And 2 Door Residential Cabinet.....	352.60	41.26
	Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Solid hardwood door panels. Excludes countertop.		
	For 3 Drawer Unit, Add	27.01	
	For Sink Base With Sink Front (No Drawer), Deduct	-40.51	
01 95 06 00-0028	Vanity Bases (01 95 06 00-0015)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 95 06 00-0029 EA 32-1/2" High x 21" Deep x 18" Wide Residential Vanity Bases, 1 Door ..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Solid hardwood door panels. Excludes countertop.	199.55	29.24
01 95 06 00-0030 EA 32-1/2" High x 21" Deep x 21" Wide Residential Vanity Bases, 1 Door ..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Solid hardwood door panels. Excludes countertop.	214.82	32.54
01 95 06 00-0031 EA 32-1/2" High x 21" Deep x 24" Wide Residential Vanity Bases, 2 Door ..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Solid hardwood door panels. Excludes countertop.	227.44	33.87
01 95 06 00-0032 EA 32-1/2" High x 21" Deep x 30" Wide Residential Vanity Bases, 2 Door ..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Solid hardwood door panels. Excludes countertop.	265.75	41.26
01 95 06 00-0033 EA 32-1/2" High x 21" Deep x 36" Wide Residential Vanity Bases, 2 Door ..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Solid hardwood door panels. Excludes countertop.	281.83	41.26
01 95 06 00-0034 EA 32-1/2" High x 21" Deep x 42" Wide Residential Vanity Bases, 2 Door ..... Note: Prefinished with solid hardwood face frames, hardwood door frames and drawer fronts. Solid hardwood door panels. Excludes countertop.	298.62	41.26
<b>01 95 06 00-0035 Residential Wall Cabinets</b> (01 95 06) Note: Armstrong Extreme Branford Oak or Coronet Plantation Hardwood.		
<b>01 95 06 00-0036 Wall Cabinets 36" High x 13" Deep</b> (01 95 06 00-0035)		
<b>01 95 06 00-0037 Single Door Type Units</b> (01 95 06 00-0036)		
01 95 06 00-0038 EA Up To 15" Wide, 36" High x 13" Deep Single Door Residential Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Solid hardwood door panels.	187.54	28.29
01 95 06 00-0039 EA >15"-18" Wide, 36" High x 13" Deep Single Door Residential Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Solid hardwood door panels.	198.66	28.88
01 95 06 00-0040 EA >18"-24" Wide, 36" High x 13" Deep Single Door Residential Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Solid hardwood door panels.	210.30	29.86
<b>01 95 06 00-0041 Double Door Type Units</b> (01 95 06 00-0036)		
01 95 06 00-0042 EA Up To 27" Wide, 36" High x 13" Deep Double Door Residential Wall Cabinet ..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Solid hardwood door panels.	256.06	33.01
01 95 06 00-0043 EA >27"-30" Wide, 36" High x 13" Deep Double Door Residential Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Solid hardwood door panels.	276.83	36.15
01 95 06 00-0044 EA >30"-36" Wide, 36" High x 13" Deep Double Door Residential Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Solid hardwood door panels.	300.47	36.94
01 95 06 00-0045 EA >36"-42" Wide, 36" High x 13" Deep Double Door Residential Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Solid hardwood door panels.	330.20	38.31
01 95 06 00-0046 EA >42"-48" Wide, 36" High x 13" Deep Double Door Residential Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Solid hardwood door panels.	344.39	40.08
<b>01 95 06 00-0047 Wall Cabinets 30" High x 13" Deep</b> (01 95 06 00-0035)		
<b>01 95 06 00-0048 Single Door Type Units</b> (01 95 06 00-0047)		
01 95 06 00-0049 EA Up To 12" Wide, 30" High x 13" Deep Single Door Residential Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Solid hardwood door panels.	133.30	22.34
01 95 06 00-0050 EA >12"-15" Wide, 30" High x 13" Deep Single Door Residential Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Solid hardwood door panels.	135.93	23.31
01 95 06 00-0051 EA >15"-18" Wide, 30" High x 13" Deep Single Door Residential Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Solid hardwood door panels.	146.57	23.80
01 95 06 00-0052 EA >18"-24" Wide, 30" High x 13" Deep Single Door Residential Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Solid hardwood door panels.	160.13	24.65
<b>01 95 06 00-0053 Double Door Type Units</b> (01 95 06 00-0047)		
01 95 06 00-0054 EA Up To 27" Wide, 30" High x 13" Deep Double Door Residential Wall Cabinet ..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Solid hardwood door panels.	180.09	25.17
01 95 06 00-0055 EA >27"-30" Wide, 30" High x 13" Deep Double Door Residential Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Solid hardwood door panels.	191.24	25.80
01 95 06 00-0056 EA >30"-36" Wide, 30" High x 13" Deep Double Door Residential Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Solid hardwood door panels.	208.81	26.42
01 95 06 00-0057 EA >36"-42" Wide, 30" High x 13" Deep Double Door Residential Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Solid hardwood door panels.	227.45	27.04
01 95 06 00-0058 EA >42"-48" Wide, 30" High x 13" Deep Double Door Residential Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Solid hardwood door panels.	237.85	27.35
<b>01 95 06 00-0059 Wall Cabinets 24" High x 13" Deep</b> (01 95 06 00-0035)		
<b>01 95 06 00-0060 Double Door Type Units</b> (01 95 06 00-0059)		
01 95 06 00-0061 EA Up To 27" Wide, 24" High x 13" Deep Double Door Residential Wall Cabinet ..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Solid hardwood door panels.	165.16	20.44
01 95 06 00-0062 EA >27"-30" Wide, 24" High x 13" Deep Double Door Residential Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Solid hardwood door panels.	174.66	21.42
01 95 06 00-0063 EA >30"-36" Wide, 24" High x 13" Deep Double Door Residential Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Solid hardwood door panels.	190.77	22.05
01 95 06 00-0064 EA >36"-42" Wide, 24" High x 13" Deep Double Door Residential Wall Cabinet..... Note: Prefinished with solid hardwood face frames, hardwood door frames. Solid hardwood door panels.	208.34	22.40

**01 General Requirements****01 95 Residential Construction****01 95 06 Residential - Wood And Plastics**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 95 06 00-0065			Wall Cabinets 15" High x 13" Deep (01 95 06 00-0035)		
01 95 06 00-0066			Double Door Type Units (01 95 06 00-0065)		
01 95 06 00-0067	EA		Up To 30" Wide, 15" High x 13" Deep Double Door Residential Wall Cabinet.....	142.96	19.25
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Solid hardwood door panels.		
01 95 06 00-0068	EA		>30"-36" Wide, 15" High x 13" Deep Double Door Residential Wall Cabinet.....	156.83	22.05
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Solid hardwood door panels.		
01 95 06 00-0069	EA		>36"-39" Wide, 15" High x 13" Deep Double Door Residential Wall Cabinet.....	165.80	22.05
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Solid hardwood door panels.		
01 95 06 00-0070			Wall Cabinets 12" High x 13" Deep (01 95 06 00-0035)		
01 95 06 00-0071	EA		Up To 30" Wide, 12" High x 13" Deep Double Door Residential Wall Cabinet.....	143.14	12.10
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Solid hardwood door panels.		
01 95 06 00-0072	EA		>30"-39" Wide, 12" High x 13" Deep Double Door Residential Wall Cabinet.....	165.95	9.07
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Solid hardwood door panels.		
01 95 06 00-0073			Residential Cabinet Accessories (01 95 06)		
01 95 06 00-0074	EA		Residential, Single Door Wall Corner Cabinet With Shelving .....	346.09	44.17
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Solid hardwood door panels.		
01 95 06 00-0075	EA		Residential, Single Door Wall Lazy Susan With Cabinet Enclosure.....	406.10	44.17
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Solid hardwood door panels.		
01 95 06 00-0076	EA		Residential, Base Corner Cabinet.....	373.65	17.66
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Solid hardwood door panels.		
			Excludes countertop.		
01 95 06 00-0077	EA		Residential, Broom/Utility Cabinet.....	478.35	25.24
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Solid hardwood door panels.		
01 95 06 00-0078	EA		Residential, Base Range Cabinet.....	447.42	14.73
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Solid hardwood door panels.		
01 95 06 00-0079	EA		Residential, Microwave Cabinet.....	177.53	11.78
			Note: Prefinished with solid hardwood face frames, hardwood door frames. Solid hardwood door panels.		
01 95 06 00-0080			Residential Cabinet Repairs (01 95 06)		
01 95 06 00-0081	EA		Replace Residential Cabinet Door .....	37.22	
			Note: Includes all hardware.		
01 95 06 00-0082	EA		Replace Residential Cabinet Drawer .....	44.69	
			Note: Includes all hardware.		
01 95 06 00-0083	PR		Replace Residential Drawer Guides .....	22.86	
01 95 06 00-0084	EA		Replace Residential Knob/Pull.....	12.46	
01 95 06 00-0085	PR		Replace Residential Hinges.....	10.47	
01 95 06 00-0086			Residential Stair Parts (01 95 06)		
01 95 06 00-0087	LF		Replace Residential Pine Stair Treads .....	11.49	
01 95 06 00-0088	LF		Replace Residential Oak Stair Treads .....	20.53	
01 95 06 00-0089	LF		Replace Residential Pine Stair Risers .....	10.25	
01 95 06 00-0090	LF		Replace Residential Oak Stair Risers .....	15.40	
01 95 06 00-0091	EA		Re-Anchor Residential Stairs Bracket.....	45.92	
01 95 06 00-0092			Residential Finish Carpentry And Wood Casings (01 95 06)		
01 95 06 00-0093	LF		5/8" x 3-1/4" Residential Primed Finger Joint Casing.....	3.06	0.70
01 95 06 00-0094	LF		1 1/16" x 2-1/4" Residential Primed Finger Joint Casing.....	2.32	0.70
01 95 06 00-0095	LF		1 1/16" x 3-1/4" Residential Pine Casing .....	2.45	0.70
<b>01 95 07 Residential - Thermal And Moisture Protection (01 95)</b>					
01 95 07 00-0001			Residential Siding (01 95 07)		
			See CSI section 06 65 00 00-0048 for PVC Trim, 07 46 33 00-0001 for vinyl siding.		
01 95 07 00-0002			Residential Roofing (01 95 07)		
01 95 07 00-0003			Aluminum Drip Edge (01 95 07 00-0002)		
			See CSI section 07 62 19 00-0001 for drip edge.		
01 95 07 00-0004	LF		0.031" Thick Residential Vented Aluminum Drip Edge, 6-1/2" Shingle Underlay, Painted Finish .....	4.66	0.63
01 95 07 00-0005			Flashing (01 95 07 00-0002)		
01 95 07 00-0006	SF		Residential Aluminum Valley Flashing .....	17.45	1.75
01 95 07 00-0007	SF		Residential Aluminum Step Flashing .....	18.77	2.17
01 95 07 00-0008	SF		Residential Copper Step Flashing.....	18.34	3.08
<b>01 95 08 Residential - Doors And Windows (01 95)</b>					
			See CSI section 08 36 13 00-0101 for residential overhead doors, 08 53 00 00-0000 for vinyl windows.		
01 95 08 00-0001			Residential Exterior Doors (01 95 08)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>01 95 08 00-0002 Steel Exterior Residential Door Slab</b> (01 95 08 00-0001)		
Note: Primed galvanized steel skin with polystyrene core door.		
01 95 08 00-0003 EA 24 Gauge Flush Steel Exterior Residential Door Slab .....	163.78	20.63
For 12" x 12" Vision Light, Add	74.12	
For 20 Minute Fire Rating, Add	1.23	
For 90 Minute Fire Rating, Add	11.03	
01 95 08 00-0004 EA 24 Gauge Six Panel Steel Exterior Residential Door Slab .....	173.75	20.63
For Fan Or Nine Lite, Add	60.36	
For 20 Minute Fire Rating, Add	1.32	
For 90 Minute Fire Rating, Add	11.92	
01 95 08 00-0005 EA 22 Gauge Flush Steel Exterior Residential Door Slab .....	257.66	21.61
For 12" x 12" Vision Light, Add	74.12	
For 20 Minute Fire Rating, Add	2.14	
For 90 Minute Fire Rating, Add	298.06	
01 95 08 00-0006 EA 22 Gauge Six Panel Steel Exterior Residential Door Slab .....	264.17	21.61
For Fan Or Nine Lite, Add	60.36	
For 20 Minute Fire Rating, Add	2.21	
For 90 Minute Fire Rating, Add	307.11	
<b>01 95 08 00-0007 Pre-Hung Steel Exterior Residential Doors</b> (01 95 08 00-0001)		
Note: Primed galvanized steel skin with polystyrene core door. Primed galvanized steel skin and wood frame.		
01 95 08 00-0008 EA 25 Gauge Flush Pre-Hung (Or Slab Only) Steel Exterior Residential Doors .....	203.00	27.50
For 12" x 12" Vision Light, Add	74.12	
For 20 Minute Fire Rating, Add	84.35	
For 90 Minute Fire Rating, Add	195.33	
01 95 08 00-0009 EA 25 Gauge Six Panel Pre-Hung (Or Slab Only) Steel Exterior Residential Doors .....	217.03	27.50
For Fan Or Nine Lite, Add	60.36	
For 20 Minute Fire Rating, Add	92.35	
For 90 Minute Fire Rating, Add	213.85	
01 95 08 00-0010 EA 24 Gauge Flush Pre-Hung Steel Exterior Residential Doors .....	316.95	29.47
For 12" x 12" Vision Light, Add	74.12	
For 20 Minute Fire Rating, Add	10.32	
For 90 Minute Fire Rating, Add	152.22	
01 95 08 00-0011 EA 24 Gauge Six Panel Pre-Hung Steel Exterior Residential Doors .....	326.34	29.47
For Fan Or Nine Lite, Add	60.36	
For 20 Minute Fire Rating, Add	10.70	
For 90 Minute Fire Rating, Add	157.76	
01 95 08 00-0012 EA 22 Gauge Flush Pre-Hung Steel Exterior Residential Doors .....	386.58	31.44
For 12" x 12" Vision Light, Add	74.12	
For 20 Minute Fire Rating, Add	12.95	
For 90 Minute Fire Rating, Add	317.24	
01 95 08 00-0013 EA 22 Gauge Six Panel Pre-Hung Steel Exterior Residential Doors .....	399.91	31.44
For Fan Or Nine Lite, Add	60.36	
For 20 Minute Fire Rating, Add	13.48	
For 90 Minute Fire Rating, Add	330.30	
<b>01 95 08 00-0014 Fiberglass Exterior Residential Door Slab</b> (01 95 08 00-0001)		
01 95 08 00-0015 EA Flush Fiberglass Exterior Residential Doors .....	209.63	20.63
For 12" x 12" Vision Light, Add	74.12	
For 20 Minute Fire Rating, Add	1.68	
01 95 08 00-0016 EA Six Panel Fiberglass Exterior Residential Doors .....	209.72	20.63
For Fan Or Nine Lite, Add	60.36	
For 20 Minute Fire Rating, Add	72.44	
<b>01 95 08 00-0017 Pre-Hung Fiberglass Exterior Residential Doors</b> (01 95 08 00-0001)		
01 95 08 00-0018 EA Flush Pre-Hung Fiberglass Exterior Residential Doors .....	360.09	29.47
For Fan Or Nine Lite, Add	60.36	
For 20 Minute Fire Rating, Add	51.19	
01 95 08 00-0019 EA Six Panel Pre-Hung Fiberglass Exterior Residential Doors .....	360.18	29.47
For Fan Or Nine Lite, Add	60.36	
For 20 Minute Fire Rating, Add	78.32	
<b>01 95 08 00-0020 Residential Interior Doors</b> (01 95 08)		
<b>01 95 08 00-0021 Birch Faced Hollow Core Flush Door Slab</b> (01 95 08 00-0020)		
Note: Includes preparing door for lockset and hinges.		
01 95 08 00-0022 EA 2'-4", 1-3/8" Unfinished, Birch Faced, Hollow Core, Residential Flush Door Slab .....	75.30	17.88
01 95 08 00-0023 EA 2'-6", 1-3/8" Unfinished, Birch Faced, Hollow Core, Residential Flush Door Slab .....	75.70	18.07
01 95 08 00-0024 EA 2'-8", 1-3/8" Unfinished, Birch Faced, Hollow Core, Residential Flush Door Slab .....	77.37	18.27
01 95 08 00-0025 EA 3'-0", 1-3/8" Unfinished, Birch Faced, Hollow Core, Residential Flush Door Slab .....	80.31	18.47
<b>01 95 08 00-0026 Lauan Faced Hollow Core Flush Door Slab</b> (01 95 08 00-0020)		
Note: Includes preparing door for lockset and hinges.		
01 95 08 00-0027 EA 1'-6", 1-3/8" Unfinished, Lauan Faced, Hollow Core, Residential Flush Door Slab .....	58.23	15.72
01 95 08 00-0028 EA 2'-0", 1-3/8" Unfinished, Lauan Faced, Hollow Core, Residential Flush Door Slab .....	62.16	17.68
01 95 08 00-0029 EA 2'-4", 1-3/8" Unfinished, Lauan Faced, Hollow Core, Residential Flush Door Slab .....	66.37	17.88
01 95 08 00-0030 EA 2'-6", 1-3/8" Unfinished, Lauan Faced, Hollow Core, Residential Flush Door Slab .....	68.04	18.07
01 95 08 00-0031 EA 2'-8", 1-3/8" Unfinished, Lauan Faced, Hollow Core, Residential Flush Door Slab .....	69.72	18.27
01 95 08 00-0032 EA 3'-0", 1-3/8" Unfinished, Lauan Faced, Hollow Core, Residential Flush Door Slab .....	71.38	18.47

**01 General Requirements****01 95 Residential Construction****01 95 08 Residential - Doors And Windows**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
01 95 08 00-0033		<b>Lauan Faced Solid Core Flush Door Slab</b> <small>(01 95 08 00-0020)</small>		
		Note: Includes preparing door for lockset and hinges.		
01 95 08 00-0034	EA	2'-8", 1-3/8" Unfinished, Lauan Faced, Solid Core, Residential Flush Door Slab.....	97.78	18.27
01 95 08 00-0035	EA	3'-0", 1-3/8" Unfinished, Lauan Faced, Solid Core, Residential Flush Door Slab.....	100.72	18.47
01 95 08 00-0036		<b>High Density Fiberboard Hollow Core Six Panel Door Slab</b> <small>(01 95 08 00-0020)</small>		
		Note: Includes preparing door for lockset and hinges.		
01 95 08 00-0037	EA	2'-0", 1-3/8" Primed, High Density Fiberboard Hardboard, Hollow Core, Six Panel Residential Door Slab.....	76.19	17.68
01 95 08 00-0038	EA	2'-4", 1-3/8" Primed, High Density Fiberboard Hardboard, Hollow Core, Six Panel Residential Door Slab.....	80.40	17.88
01 95 08 00-0039	EA	2'-6", 1-3/8" Primed, High Density Fiberboard Hardboard, Hollow Core, Six Panel Residential Door Slab.....	80.80	18.07
01 95 08 00-0040	EA	2'-8", 1-3/8" Primed, High Density Fiberboard Hardboard, Hollow Core, Six Panel Residential Door Slab.....	83.75	18.27
01 95 08 00-0041	EA	3'-0", 1-3/8" Primed, High Density Fiberboard Hardboard, Hollow Core, Six Panel Residential Door Slab.....	86.69	18.47
01 95 08 00-0042		<b>Pre-Hung Lauan Faced Hollow Core Flush Door Slab And Frame</b> <small>(01 95 08 00-0020)</small>		
		Note: Includes hinges.		
01 95 08 00-0043	EA	2'-6", Pre-Hung 1-3/8" Unfinished, Lauan Faced, Hollow Core, Residential Flush Door And Frame .....	110.35	24.56
01 95 08 00-0044	EA	2'-4", Pre-Hung 1-3/8" Unfinished, Lauan Faced, Hollow Core, Residential Flush Door And Frame .....	112.61	25.05
01 95 08 00-0045	EA	2'-6", Pre-Hung 1-3/8" Unfinished, Lauan Faced, Hollow Core, Residential Flush Door And Frame .....	116.14	25.55
01 95 08 00-0046	EA	2'-8", Pre-Hung 1-3/8" Unfinished, Lauan Faced, Hollow Core, Residential Flush Door And Frame .....	119.68	26.03
01 95 08 00-0047	EA	3'-0", Pre-Hung 1-3/8" Unfinished, Lauan Faced, Hollow Core, Residential Flush Door And Frame .....	123.21	26.53
01 95 08 00-0048		<b>Pre-Hung High Density Fiberboard Hollow Core Six Panel Door And Frame</b>		
		<small>(01 95 08 00-0020)</small>		
		Note: Includes hinges.		
01 95 08 00-0049	EA	1'-6", Pre-Hung 1-3/8" Primed, High Density Fiberboard Hardboard, Hollow Core, Six Panel Residential Door And Frame .....	124.98	23.58
01 95 08 00-0050	EA	2'-0", Pre-Hung 1-3/8" Primed, High Density Fiberboard Hardboard, Hollow Core, Six Panel Residential Door And Frame .....	129.49	24.56
01 95 08 00-0051	EA	2'-4", Pre-Hung 1-3/8" Primed, High Density Fiberboard Hardboard, Hollow Core, Six Panel Residential Door And Frame .....	138.12	25.05
01 95 08 00-0052	EA	2'-6", Pre-Hung 1-3/8" Primed, High Density Fiberboard Hardboard, Hollow Core, Six Panel Residential Door And Frame .....	140.38	25.55
01 95 08 00-0053	EA	2'-8", Pre-Hung 1-3/8" Primed, High Density Fiberboard Hardboard, Hollow Core, Six Panel Residential Door And Frame .....	143.92	26.03
01 95 08 00-0054	EA	3'-0", Pre-Hung 1-3/8" Primed, High Density Fiberboard Hardboard, Hollow Core, Six Panel Residential Door And Frame .....	147.45	26.53
01 95 08 00-0055		<b>Residential Bi-Fold And Bi-Pass Doors</b> <small>(01 95 08)</small>		
		See CSI section 08 13 76 00-0001 for bi-fold metal doors, 08 14 76 00-0001 for bi-fold wood doors.		
01 95 08 00-0056		<b>Residential Security Screens</b> <small>(01 95 08)</small>		
01 95 08 00-0057	EA	Heavy Duty Aluminum Residential Security Screen Door, 0.028" Stainless Mesh, Hardware (Tapco Or Equal).....	421.86	60.86
		<i>For Powder Coated Color, Add</i> .....	19.71	
01 95 08 00-0058	EA	Heavy Duty Steel Residential Security Screen Door, 0.028" Stainless Steel Mesh, Powder Coated Color And Hardware (Summitt Or Rusco Or Equal) .....	669.39	60.86
01 95 08 00-0059		<b>Residential Door Hardware</b> <small>(01 95 08)</small>		
		See CSI section 08 71 11 00-2424 for deadbolts.		
01 95 08 00-0060	EA	Entry Lock Core Replacement, Master Keyed - Falcon Or Equal .....	32.26	
01 95 08 00-0061	EA	Deadbolt Core Replacement, Master Keyed - Falcon Or Equal.....	35.63	
01 95 08 00-0062	PR	Exterior Residential Grade Door Hinges .....	28.67	3.99
01 95 08 00-0063	PR	Interior Residential Grade Door Hinges .....	21.55	3.99
01 95 08 00-0064	EA	4" Modern Bright Brass Surface Bolt, Residential.....	21.73	4.39
01 95 08 00-0065	EA	6" Modern Bright Brass Surface Bolt, Residential.....	23.89	4.39
01 95 08 00-0066	EA	4" Modern Satin Chrome Surface Bolt, Residential .....	23.74	4.39
01 95 08 00-0067	EA	6" Modern Satin Chrome Surface Bolt, Residential .....	26.18	4.39
01 95 08 00-0068		<b>Residential Door Accessories</b> <small>(01 95 08)</small>		
01 95 08 00-0069	EA	Residential Chain Door Guard .....	20.77	3.93
01 95 08 00-0070	EA	Residential Wall Mounted Door Bumper .....	10.75	1.96
01 95 08 00-0071	OPN	Residential Weatherstripping .....	41.14	3.43
01 95 08 00-0072	EA	Residential Aluminum Threshold .....	25.09	3.43
01 95 08 00-0073	EA	Residential Wood Threshold.....	27.62	3.43
01 95 08 00-0074		<b>Residential Window Repair</b> <small>(01 95 08)</small>		
		Note: Includes self adhering butyl rubber tape flashing at perimeter.		
01 95 08 00-0075	EA	Replace Residential Window Sash Locks.....	8.10	
01 95 08 00-0076	EA	Replace Residential Window Lifts/Handles.....	7.62	
01 95 08 00-0077	EA	Remove And Replace Residential Window Balance, Complete (Per Balance).....	8.70	
		Note: Includes bracket, guides and support hardware.		
01 95 08 00-0078	EA	Replace Residential Casement Window Fasteners .....	7.89	
01 95 08 00-0079	EA	Replace Residential Window Hooks .....	5.74	
01 95 08 00-0080	SF	Replace Residential Window Insect Screens - Fiberglass.....	1.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 95 08 00-0081 SF Replace Residential Window Insect Screens - Aluminum .....	1.98	
<b>01 95 08 00-0082 Residential Window Barrier</b> <small>(01 95 08)</small>		
01 95 08 00-0083 SF Inoperable/Fixed, 12 Mesh (0.028") Stainless Steel Wire Cloth Infill, Level 5, Steel Narrowline Residential Security Screen (Kane SNR5Z).....	15.11	0.25
01 95 08 00-0084 SF Operable, 12 Mesh (0.028") Stainless Steel Wire Cloth Infill, Level 5, Steel Narrowline Residential Security Screen (Kane SNR50).....	22.98	0.25
<b>01 95 09 Residential - Finishes</b> <small>(01 95)</small>		
01 95 09 00-0001 Residential Flooring Finishes <small>(01 95 09)</small> See CSI section 09 64 00 00-0000 for wood flooring, 09 65 00 00-0000 for resilient flooring.		
01 95 09 00-0002 Residential Painting <small>(01 95 09)</small> Note: Includes all materials, surface preparation (wipe down and light clean, patching holes up to 3/8"), caulking and sealing, all finishes, surface protection, and masking tape.		
01 95 09 00-0003 GSF Paint Entire Residential Unit Complete Including Doors.....	3.27	
Note: Includes doors, walls, moldings, kitchen, ceilings, etc. Includes preparation. Per SF of floor area. Combination semi-gloss and eggshell. Two coats paint or one coat primer and one coat paint.		
<i>For Each Additional Coat, Add</i>	1.19	
01 95 09 00-0004 GSF Paint Entire Residential Unit Complete Excluding Doors.....	3.01	
Note: Includes walls, moldings, kitchen, ceilings, etc. Includes preparation. Per SF of floor area. Combination semi-gloss and eggshell. Two coats paint or one coat primer and one coat paint.		
<i>For Each Additional Coat, Add</i>	1.09	
<b>01 95 10 Residential - Specialties</b> <small>(01 95)</small>		
01 95 10 00-0001 Residential Toilet Accessories <small>(01 95 10)</small> See CSI section 10 28 16 13-0001 for residential toilet accessories.		
<b>01 95 11 Residential - Equipment</b> <small>(01 95)</small>		
01 95 11 00-0001 Residential Kitchen Equipment <small>(01 95 11)</small> See CSI section 11 30 13 00-0000 for residential appliances.		
01 95 11 00-0002 Refrigerators <small>(01 95 11 00-0001)</small> See CSI section 11 30 13 13-0042 for residential refrigerators.		
01 95 11 00-0003 Ranges <small>(01 95 11 00-0001)</small> See CSI section 11 30 13 13-0001 for ranges.		
<b>01 95 12 Residential - Furnishings</b> <small>(01 95)</small>		
01 95 12 00-0001 Residential Mini Blinds <small>(01 95 12)</small>		
01 95 12 00-0002 SF 1" Residential Vinyl Mini Blinds.....	1.66	0.39
01 95 12 00-0003 SF 1" Residential Aluminum Mini Blinds.....	3.24	0.58
<b>01 95 22 Residential - Plumbing</b> <small>(01 95)</small>		
01 95 22 00-0001 Residential Plumbing <small>(01 95 22)</small>		
01 95 22 00-0002 Residential Lavatory Faucets <small>(01 95 22 00-0001)</small> See CSI section 22 41 39 00-0010 for residential kitchen faucets, 22 42 39 00-0024 for additional lavatory faucets.		
01 95 22 00-0003 Residential Preassembled Vanities With Tops <small>(01 95 22 00-0001)</small>		
01 95 22 00-0004 EA 19" Residential Preassembled Vanity With Top (Glacier Bay GB18P2COM-WH).....	159.76	33.87
01 95 22 00-0005 EA 24-1/2" Residential Preassembled Vanity With Top (Glacier Bay GB24P2COM-WH).....	198.12	41.26
01 95 22 00-0006 EA 30-1/2" Residential Preassembled Vanity With Top (Glacier Bay GB30P2COM-WH).....	249.23	43.23
01 95 22 00-0007 Residential Kitchen Faucets <small>(01 95 22 00-0001)</small> See CSI section 22 41 39 00-0001 for residential kitchen faucets.		
01 95 22 00-0008 Residential Water Heaters Parts And Accessories <small>(01 95 22 00-0001)</small>		
01 95 22 00-0009 EA Remove And Replace Residential Pressure And Temperature Valve .....	129.91	
01 95 22 00-0010 EA Remove And Replace Residential 9", 120 Volt, 1,500 Watt Screw-In Water Heater Element .....	76.94	
Note: Incoloy Nickel-base sheath elements.		
01 95 22 00-0011 EA Remove And Replace Residential 9", 208 Volt, 2,000 Watt Screw-In Water Heater Element .....	84.14	
Note: Incoloy Nickel-base sheath elements.		
01 95 22 00-0012 EA Remove And Replace Residential 16-1/2", 208 Volt, 3,000 Watt Screw-In Water Heater Element .....	115.08	
Note: Incoloy Nickel-base sheath elements.		
01 95 22 00-0013 EA Remove And Replace Residential 16-1/2", 208 Volt, 4,000 Watt Screw-In Water Heater Element .....	115.08	
Note: Incoloy Nickel-base sheath elements.		
01 95 22 00-0014 EA Remove And Replace Residential 16-1/2", 208 Volt, 4,500 Watt Screw-In Water Heater Element .....	115.53	
Note: Incoloy Nickel-base sheath elements.		
01 95 22 00-0015 EA Remove And Replace Residential 16-1/2", 208 Volt, 5,000 Watt Screw-In Water Heater Element .....	118.68	
Note: Incoloy Nickel-base sheath elements.		
01 95 22 00-0016 EA Remove And Replace Residential 16-1/2", 208 Volt, 6,000 Watt Screw-In Water Heater Element .....	116.28	
Note: Incoloy Nickel-base sheath elements.		
01 95 22 00-0017 EA Remove And Replace Residential 9-1/4", 240 Volt, 1,000 Watt Screw-In Water Heater Element .....	73.19	
Note: Incoloy Nickel-base sheath elements.		



**01 General Requirements****01 95 Residential Construction****01 95 22 Residential - Plumbing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 95 22 00-0018 EA Remove And Replace Residential 9", 240 Volt, 1,000 Watt Screw-In Water Heater Element ..... 79.79 Note: Incoloy Nickel-base sheath elements.	79.79	
01 95 22 00-0019 EA Remove And Replace Residential 11-1/2", 240 Volt, 2,000 Watt Screw-In Water Heater Element ..... 81.39 Note: Incoloy Nickel-base sheath elements.	81.39	
01 95 22 00-0020 EA Remove And Replace Residential 11", 240 Volt, 2,500 Watt Screw-In Water Heater Element ..... 81.24 Note: Incoloy Nickel-base sheath elements.	81.24	
01 95 22 00-0021 EA Remove And Replace Residential 13-1/2", 240 Volt, 3,000 Watt Screw-In Water Heater Element ..... 89.41 Note: Incoloy Nickel-base sheath elements.	89.41	
01 95 22 00-0022 EA Remove And Replace Residential 13-3/4", 240 Volt, 3,500 Watt Screw-In Water Heater Element ..... 89.86 Note: Incoloy Nickel-base sheath elements.	89.86	
01 95 22 00-0023 EA Remove And Replace Residential 16", 240 Volt, 4,000 Watt Screw-In Water Heater Element ..... 108.93 Note: Incoloy Nickel-base sheath elements.	108.93	
01 95 22 00-0024 EA Remove And Replace Residential 13-3/4", 240 Volt, 4,500 Watt Screw-In Water Heater Element ..... 92.86 Note: Incoloy Nickel-base sheath elements.	92.86	
01 95 22 00-0025 EA Remove And Replace Residential 16", 240 Volt, 5,000 Watt Screw-In Water Heater Element ..... 111.78 Note: Incoloy Nickel-base sheath elements.	111.78	
01 95 22 00-0026 EA Remove And Replace Residential 13-1/2", 240 Volt, 5,500 Watt Screw-In Water Heater Element ..... 97.05 Note: Incoloy Nickel-base sheath elements.	97.05	
01 95 22 00-0027 EA Remove And Replace Residential 16-1/2", 240 Volt, 6,000 Watt Screw-In Water Heater Element ..... 110.13 Note: Incoloy Nickel-base sheath elements.	110.13	
01 95 22 00-0028 EA Remove And Replace Residential 16-1/2", 277 Volt, 3,000 Watt Screw-In Water Heater Element ..... 117.78 Note: Incoloy Nickel-base sheath elements.	117.78	
01 95 22 00-0029 EA Remove And Replace Residential 16-1/2", 277 Volt, 4,500 Watt Screw-In Water Heater Element ..... 122.43 Note: Incoloy Nickel-base sheath elements.	122.43	
01 95 22 00-0030 EA Remove And Replace Residential 16", 240 Volt, 2,000 Watt Screw-In Water Heater Element ..... 101.59 Note: Incoloy Nickel-base sheath elements.	101.59	
01 95 22 00-0031 EA Remove And Replace Residential 16-1/2", 480 Volt, 3,000 Watt Screw-In Water Heater Element ..... 117.48 Note: Incoloy Nickel-base sheath elements.	117.48	
01 95 22 00-0032 EA Remove And Replace Residential 16-1/2", 480 Volt, 4,000 Watt Screw-In Water Heater Element ..... 122.58 Note: Incoloy Nickel-base sheath elements.	122.58	
01 95 22 00-0033 EA Remove And Replace Residential 16-1/2", 480 Volt, 4,500 Watt Screw-In Water Heater Element ..... 123.03 Note: Incoloy Nickel-base sheath elements.	123.03	
01 95 22 00-0034 EA Remove And Replace Residential 16-1/2", 480 Volt, 5,000 Watt Screw-In Water Heater Element ..... 123.03 Note: Incoloy Nickel-base sheath elements.	123.03	
01 95 22 00-0035 EA Remove And Replace Residential 16-1/2", 480 Volt, 6,000 Watt Screw-In Water Heater Element ..... 120.48 Note: Incoloy Nickel-base sheath elements.	120.48	

**01 95 23 Residential - HVAC** (01 95)**01 95 23 00-0001 Residential HVAC** (01 95 23)**01 95 23 00-0002 Residential Furnace Repair Parts And Accessories** (01 95 23 00-0001)

01 95 23 00-0003 EA Replace Motor For Residential Blower Assembly ..... 139.45	139.45	
01 95 23 00-0004 EA Replace Residential Blower Assembly ..... 476.41	476.41	
01 95 23 00-0005 EA Replace Residential Heater/Furnace Door ..... 38.15	38.15	
01 95 23 00-0006 EA Up To 4" Diameter Residential Roof Jack With Bird Screen And Back Draft Damper ..... 71.00	71.00	25.21
01 95 23 00-0007 EA 6" Diameter Residential Roof Jack With Bird Screen And Back Draft Damper ..... 85.68	85.68	25.21

**01 95 23 00-0008 Residential Air Distribution** (01 95 23 00-0001)

01 95 23 00-0009 EA Replace Residential Exhaust Fan ..... 141.91	141.91	
01 95 23 00-0010 EA Replace Residential R/A Grills ..... 39.26	39.26	
01 95 23 00-0011 EA Replace Residential Registers ..... 24.33	24.33	

**01 95 23 00-0012 Residential Thermostat** (01 95 23 00-0001)

01 95 23 00-0013 EA Residential Thermostat, 24 Volt A.C. Heat Only Thermostat (Lightstat) ..... 223.22	223.22	22.77
Note: With automatic setback.		

**01 95 26 Residential - Electrical** (01 95)**01 95 26 00-0001 Residential Wire** (01 95 26)

01 95 26 00-0002 LF 12 AWG, 2 Conductor, Residential Non-Metallic Sheathed, Solid Copper Cable ..... 2.51	2.51	1.18
01 95 26 00-0003 LF 10 AWG, 2 Conductor, Residential Non-Metallic Sheathed, Solid Copper Cable ..... 2.78	2.78	1.18

**01 95 26 00-0004 Residential Lighting Fixtures** (01 95 26)

Note: Includes lamps.

**01 95 26 00-0005 Residential Bedroom Fixtures** (01 95 26 00-0004)

01 95 26 00-0006 EA 11" Round, Close To Ceiling Residential Fixture, Incandescent (Progress 3520-30) ..... 82.37	82.37	24.43
01 95 26 00-0007 EA 12" Round, Close To Ceiling Residential Fixture, Compact Fluorescent, 2 - 13W Lamps (Sea Gull 5902-15) ..... 111.58	111.58	24.43
01 95 26 00-0008 EA Globe, Close To Ceiling Residential Fixture, Incandescent (Progress 3605-30) ..... 51.95	51.95	24.43
01 95 26 00-0009 EA Globe, Close To Ceiling Residential Fixture, Incandescent, With Pull Chain (Progress 3605-30SW) ..... 60.68	60.68	24.43
01 95 26 00-0010 EA 14" Round, Close To Ceiling Residential Fixture, Compact Fluorescent (Progress 7378-30) ..... 129.74	129.74	24.43
01 95 26 00-0011 EA 12" Square Residential Canopy, Incandescent (Progress 4962) ..... 52.26	52.26	24.43
01 95 26 00-0012 EA 12" Square Residential Canopy, Incandescent (Progress 4961) ..... 51.63	51.63	24.43

**01 95 26 00-0013 Residential Bathroom Fixtures** (01 95 26 00-0004)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 95 26 00-0014 EA Residential Wall Fixture, Incandescent (Sea Gull 4450).....	60.22	24.43
01 95 26 00-0015 EA Residential Wall Fixture, Incandescent (Westinghouse 66401).....	46.85	24.43
01 95 26 00-0016 EA Residential Wall Fixture, Incandescent, 2 Lamps (Westinghouse 66403) .....	50.64	24.43
<b>01 95 26 00-0017 Residential Kitchen And Hallway Fixtures</b> <small>(01 95 26 00-0004)</small>		
<small>See CSI section 26 51 16 00-0253 for ceiling light fixtures.</small>		
01 95 26 00-0018 EA Public Halls, 5" x 26" Vandal Resistant Fluorescent, 1 - 17 Watt, Luminaire VSL.1 17.....	334.58	24.43
01 95 26 00-0019 EA Public Halls, 9" x 26" Vandal Resistant Fluorescent, 2 - 17 Watt, Luminaire VSL.2 17.....	378.93	24.43
<b>01 95 26 00-0020 Residential Exterior Fixtures</b> <small>(01 95 26 00-0004)</small>		
01 95 26 00-0021 EA Residential Wall Lantern, Glass Globe, Incandescent (Progress Lighting P5602-31) .....	47.82	24.43
01 95 26 00-0022 EA Residential Wall Lantern, Glass Lens, Incandescent (Lumapro 3RB20) .....	68.77	24.43
01 95 26 00-0023 EA Residential Wall Lantern, Polycarbonate Lens, HPS (Lumapro 5MM60).....	161.45	24.43
<b>01 95 26 00-0024 Residential Energy Efficient Lighting And Ballasts</b> <small>(01 95 26 00-0004)</small>		
<small>Note: Listed manufacturers or equal.</small>		
01 95 26 00-0025 EA Residential Elec. LP Bal. And (1) 4' T8 Lamp - A; Advance VEL (or REL) -1P32-RH-TP.....	71.92	
01 95 26 00-0026 EA Residential Retrofit LP Elec. Bal. And (2) 4' T8 Lamp - B; Advance VEL (or REL) -2P32-LW-RH-TP .....	74.57	
01 95 26 00-0027 EA Residential Retrofit TW in 2; LP Elec. Bal. And (2) 4' T8 Lamp - BT; Advance VEL (or REL) - 4P32-LW-RH-TP .....	65.84	
01 95 26 00-0028 EA Residential Retrofit LP Elec. Bal. And (4) 4' T8 Lamp - D; Advance VEL (or REL) - 4P32-LW-RH-TP .....	88.21	
01 95 26 00-0029 EA Residential Retrofit 23 Watt CF With Bal. - F3 (Phillips LKGEB23100) .....	50.32	
01 95 26 00-0030 EA Residential Retrofit 13 Watt CF With Bal. (3pc) And Reflect- F5 (Lumatech 11324 Lamp PLQ13) .....	69.48	
01 95 26 00-0031 EA Residential 8' To 4' Conversion Kit; LP Elec. Bal. (4) 4' T8 - JT (Advance VEL (or REL) - 4P32-LW-RH-TP).....	76.65	
01 95 26 00-0032 EA Residential Retrofit - LP Elec. Bal.; (1) 2' T8 - KA.....	58.02	
01 95 26 00-0033 EA Residential Retrofit - TW In 2; Elec. Bal.; (4) 2' T8 - KB (Howard EL/32IS) .....	60.30	
01 95 26 00-0034 EA Residential Retrofit - LP Elec. Bal.; (1) 3' T8 - LA (Advance VEL (Or REL) - 1P32-RH-TP) .....	58.02	
01 95 26 00-0035 EA Residential Retrofit - Elec. Bal. (2) 4' T8, (1) 2' x 4' Spec Refl - R .....	128.30	
01 95 26 00-0036 EA Residential Retrofit - Elec. Bal. (2) 2' T8, (1) 2' x 2' - RU (Advance VEL (or REL) - 2P17-RH-TP) .....	111.96	
<b>01 95 26 00-0037 Residential Alarms</b> <small>(01 95 26)</small>		
01 95 26 00-0038 EA Battery Operated, Residential Smoke Alarm (Kidde 0916E).....	32.37	9.17
01 95 26 00-0039 EA AC Powered, Residential Wire-in Smoke Alarm (Kidde i12020) .....	48.16	18.35
01 95 26 00-0040 EA Battery Operated, Residential Carbon Monoxide and Smoke Alarm (Kidde 900-0102).....	82.96	9.17
01 95 26 00-0041 EA AC Powered, Residential Carbon Monoxide Alarm (Kidde 900-0107) .....	94.42	18.35
01 95 26 00-0042 EA AC Powered, Residential Carbon Monoxide and Fire Alarm (Kidde 900-0114).....	105.07	18.35
<b>01 95 26 00-0043 Residential Occupancy Sensor</b> <small>(01 95 26)</small>		
01 95 26 00-0044 EA 180 Degree Residential Occupancy Sensor .....	98.73	36.69
<b>01 95 26 00-0045 Residential Breakers</b> <small>(01 95 26)</small>		
<small>See CSI section 26 28 16 13-0002 for circuit breakers.</small>		

**END OF SECTION 01**

01	<b>01</b>	<b>General Requirements</b>
	01 95	Residential Construction
	01 95 26	Residential - Electrical



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>Existing Conditions</b>	<b>02</b>	<b>02</b>
Assessment	02 20	
Existing Material Assessment	02 25	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 02 Existing Conditions

### 02 20 Assessment <sup>(02)</sup>

#### 02 25 Existing Material Assessment <sup>(02 20)</sup>

**02 25 16 Existing Concrete, Masonry Or Asphalt Assessment <sup>(02 25)</sup>**  
See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

**02 25 16 13 Concrete Assessment Drilling <sup>(02 25 16)</sup>**  
See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

### 02 30 Subsurface Investigation <sup>(02)</sup>

#### 02 32 Geotechnical Investigations <sup>(02 30)</sup>

**02 32 13 Subsurface Drilling And Sampling <sup>(02 32)</sup>**  
See CSI section 01 45 23 00-0000 for testing and lab reports.

**02 32 13 00-0001 Borings And Samples <sup>(02 32 13)</sup>**

**02 32 13 00-0002 Soil Borings (SB) <sup>(02 32 13 00-0001)</sup>**

02 32 13 00-0003	VLF	Hollow Stem Auger .....	7.86
02 32 13 00-0004	VLF	Casing .....	10.48
02 32 13 00-0005	VLF	Rotary-Wash.....	10.48
02 32 13 00-0006	VLF	Hand Auger.....	26.20

**02 32 13 00-0007 Rock Core <sup>(02 32 13 00-0001)</sup>**

02 32 13 00-0008	VLF	Double Tube .....	41.92
02 32 13 00-0009	VLF	NX Size.....	41.92

**02 32 13 00-0010 Drilled (Pavement) Core <sup>(02 32 13 00-0001)</sup>**

02 32 13 00-0011	EA	1st 8" Drilled Core.....	47.16
02 32 13 00-0012	IN	>8" Drilled Core .....	8.38

**02 32 13 00-0013 Samples <sup>(02 32 13 00-0001)</sup>**

02 32 13 00-0014	EA	Undisturbed .....	83.84
02 32 13 00-0015	EA	Ring-Lined Barrel.....	49.26
02 32 13 00-0016	EA	Grab/Bag (Disturbed).....	15.72

**02 32 13 00-0017 Grouting <sup>(02 32 13 00-0001)</sup>**

02 32 13 00-0018	VLF	Boreholes.....	5.76
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#### 02 32 19 Exploratory Excavations <sup>(02 32)</sup>

**02 32 19 00-0001 Machine Dug Test, Entry/Exit Pits <sup>(02 32 19)</sup>**

02 32 19 00-0002	CY	Test, Entry/Exit Pit Excavation, Backfill And Compaction, By Machine, Unpaved Areas.....	37.95
02 32 19 00-0003	CY	Test, Entry/Exit Pit Excavation, Backfill And Compaction, By Machine, Paved Areas - Non Arterial and Non State Roads.....	72.73
02 32 19 00-0004	CY	Test, Entry/Exit Pit Excavation, Backfill And Compaction, By Machine, Paved Areas - Arterial and State Roads.....	94.87

**02 32 19 00-0005 Hydro Excavation <sup>(02 32 19)</sup>**  
Note: Assumes on-site disposal.

02 32 19 00-0006	DAY	Hydro Excavation, Mobilization.....	85.12
02 32 19 00-0007	DAY	Hydro Excavation, Minimum Charge .....	340.48
Note: For projects where the total charge is less than the "Hydro Excavation Minimum" cost, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.			
02 32 19 00-0008	CY	Hydro Excavation, Normal Soil Conditions (Hydro-Vac Truck).....	28.37
Note: Normal soil conditions consist of silt, sand and gravel.			
02 32 19 00-0009	CY	Hydro Excavation, Adverse Soil Conditions (Hydro-Vac Truck).....	45.39
Note: Adverse soil conditions consist of clay, glacial till and rocks.			

## 02 40 Demolition And Structure Moving <sup>(02)</sup>

### 02 41 Demolition <sup>(02 40)</sup>

**02 41 13 Selective Site Demolition <sup>(02 41)</sup>**

**02 41 13 13 Paving Removal <sup>(02 41 13)</sup>**  
Note: Includes break-up of material, loading into truck or dumpster and clean-up. Salvage tasks include placement on pallets and storage on site.



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 41 13 13-0001	<b>By Machine, Break-up And Leave In Place Bituminous And Concrete Paving</b> <small>(02 41 13 13)</small>	
	Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting. See CSI section 02 41 13 13-0018 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0058 for saw cutting.	
02 41 13 13-0002	SY Up To 3" By Machine, Break-up And Leave In Place Bituminous Paving.....	3.42
	For >500 To 1,000, Deduct	-0.34
	For >1,000 To 2,500, Deduct	-0.62
	For >2,500 To 5,000, Deduct	-0.89
	For >5,000 To 10,000, Deduct	-1.16
	For >10,000, Deduct	-1.44
02 41 13 13-0003	SY >3" To 6" By Machine, Break-up And Leave In Place Bituminous Paving.....	5.13
	For >500 To 1,000, Deduct	-0.51
	For >1,000 To 2,500, Deduct	-0.92
	For >2,500 To 5,000, Deduct	-1.33
	For >5,000 To 10,000, Deduct	-1.74
	For >10,000, Deduct	-2.15
02 41 13 13-0004	SY >6" To 8" By Machine, Break-up And Leave In Place Bituminous Paving.....	6.84
	For >500 To 1,000, Deduct	-0.68
	For >1,000 To 2,500, Deduct	-1.23
	For >2,500 To 5,000, Deduct	-1.78
	For >5,000 To 10,000, Deduct	-2.33
	For >10,000, Deduct	-2.87
02 41 13 13-0005	SY Up To 3" By Machine, Break-up And Leave In Place Concrete Paving.....	6.39
	For >500 To 1,000, Deduct	-0.64
	For >1,000 To 2,500, Deduct	-1.15
	For >2,500 To 5,000, Deduct	-1.66
	For >5,000 To 10,000, Deduct	-2.17
	For >10,000, Deduct	-2.68
02 41 13 13-0006	SY >3" To 6" By Machine, Break-up And Leave In Place Concrete Paving.....	9.03
	For >500 To 1,000, Deduct	-0.90
	For >1,000 To 2,500, Deduct	-1.63
	For >2,500 To 5,000, Deduct	-2.35
	For >5,000 To 10,000, Deduct	-3.07
	For >10,000, Deduct	-3.79
02 41 13 13-0007	SY >6" To 9" By Machine, Break-up And Leave In Place Concrete Paving.....	12.80
	For >500 To 1,000, Deduct	-1.28
	For >1,000 To 2,500, Deduct	-2.30
	For >2,500 To 5,000, Deduct	-3.33
	For >5,000 To 10,000, Deduct	-4.35
	For >10,000, Deduct	-5.38
02 41 13 13-0008	SY >9" To 14" By Machine, Break-up And Leave In Place Concrete Paving.....	18.06
	For >500 To 1,000, Deduct	-1.81
	For >1,000 To 2,500, Deduct	-3.25
	For >2,500 To 5,000, Deduct	-4.70
	For >5,000 To 10,000, Deduct	-6.14
	For >10,000, Deduct	-7.59
02 41 13 13-0009	SY >14" To 19" By Machine, Break-up And Leave In Place Concrete Paving.....	23.62
	For >500 To 1,000, Deduct	-2.36
	For >1,000 To 2,500, Deduct	-4.25
	For >2,500 To 5,000, Deduct	-6.14
	For >5,000 To 10,000, Deduct	-8.03
	For >10,000, Deduct	-9.92
02 41 13 13-0010	SY >19" To 24" By Machine, Break-up And Leave In Place Concrete Paving.....	30.72
	For >500 To 1,000, Deduct	-3.07
	For >1,000 To 2,500, Deduct	-5.53
	For >2,500 To 5,000, Deduct	-7.99
	For >5,000 To 10,000, Deduct	-10.44
	For >10,000, Deduct	-12.90
02 41 13 13-0011	<b>By Hand, Break-up And Leave In Place Bituminous And Concrete Paving</b> <small>(02 41 13 13)</small>	
	Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles with jackhammer and hand tools. For individual work areas up to 100 SF where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting. See CSI section 02 41 13 13-0036 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0058 for saw cutting.	
02 41 13 13-0012	SF Up To 3" By Hand, Break-up And Leave In Place Bituminous Paving.....	0.79
02 41 13 13-0013	SF >3" To 6" By Hand, Break-up And Leave In Place Bituminous Paving.....	1.00
02 41 13 13-0014	SF >6" To 8" By Hand, Break-up And Leave In Place Bituminous Paving.....	1.32
02 41 13 13-0015	SF Up To 3" By Hand, Break-up And Leave In Place Concrete Paving.....	0.99
02 41 13 13-0016	SF >3" To 6" By Hand, Break-up And Leave In Place Concrete Paving.....	1.25
02 41 13 13-0017	SF >6" To 8" By Hand, Break-up And Leave In Place Concrete Paving.....	1.65
02 41 13 13-0018	<b>By Machine, Break-up And Remove Bituminous And Concrete Paving</b> <small>(02 41 13 13)</small>	
	Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Excludes saw cutting. See CSI section 02 41 19 13-0058 for saw cutting.	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0019 SY Up To 3" By Machine, Break-up And Remove Bituminous Paving .....	7.14	
For Elevated Slab, Add	3.57	
For >500 To 1,000, Deduct	-0.71	
For >1,000 To 2,500, Deduct	-1.29	
For >2,500 To 5,000, Deduct	-1.86	
For >5,000 To 10,000, Deduct	-2.43	
For >10,000, Deduct	-3.00	
02 41 13 13-0020 SY >3" To 6" By Machine, Break-up And Remove Bituminous Paving.....	9.75	
For Elevated Slab, Add	4.88	
For >500 To 1,000, Deduct	-0.98	
For >1,000 To 2,500, Deduct	-1.76	
For >2,500 To 5,000, Deduct	-2.54	
For >5,000 To 10,000, Deduct	-3.32	
For >10,000, Deduct	-4.10	
02 41 13 13-0021 SY >6" To 9" By Machine, Break-up And Remove Bituminous Paving.....	13.53	
For Elevated Slab, Add	6.77	
For >500 To 1,000, Deduct	-1.35	
For >1,000 To 2,500, Deduct	-2.44	
For >2,500 To 5,000, Deduct	-3.52	
For >5,000 To 10,000, Deduct	-4.60	
For >10,000, Deduct	-5.68	
02 41 13 13-0022 SY >9" To 12" By Machine, Break-up And Remove Bituminous Paving.....	17.65	
For Elevated Slab, Add	8.83	
For >500 To 1,000, Deduct	-1.77	
For >1,000 To 2,500, Deduct	-3.18	
For >2,500 To 5,000, Deduct	-4.59	
For >5,000 To 10,000, Deduct	-6.00	
For >10,000, Deduct	-7.41	
02 41 13 13-0023 SY >12" To 15" By Machine, Break-up And Remove Bituminous Paving.....	24.56	
For Elevated Slab, Add	12.28	
For >500 To 1,000, Deduct	-2.46	
For >1,000 To 2,500, Deduct	-4.42	
For >2,500 To 5,000, Deduct	-6.39	
For >5,000 To 10,000, Deduct	-8.35	
For >10,000, Deduct	-10.32	
02 41 13 13-0024 SY >15" To 18" By Machine, Break-up And Remove Bituminous Paving.....	33.79	
For Elevated Slab, Add	16.90	
For >500 To 1,000, Deduct	-3.38	
For >1,000 To 2,500, Deduct	-6.08	
For >2,500 To 5,000, Deduct	-8.79	
For >5,000 To 10,000, Deduct	-11.49	
For >10,000, Deduct	-14.19	
02 41 13 13-0025 SY Up To 3" By Machine, Break-up And Remove Non Reinforced Concrete Paving.....	8.21	
For Elevated Slab, Add	4.11	
For >500 To 1,000, Deduct	-0.82	
For >1,000 To 2,500, Deduct	-1.48	
For >2,500 To 5,000, Deduct	-2.13	
For >5,000 To 10,000, Deduct	-2.79	
For >10,000, Deduct	-3.45	
02 41 13 13-0026 SY >3" To 6" By Machine, Break-up And Remove Non Reinforced Concrete Paving.....	10.75	
For Elevated Slab, Add	5.38	
For >500 To 1,000, Deduct	-1.08	
For >1,000 To 2,500, Deduct	-1.94	
For >2,500 To 5,000, Deduct	-2.80	
For >5,000 To 10,000, Deduct	-3.66	
For >10,000, Deduct	-4.52	
02 41 13 13-0027 SY Up To 3" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	10.90	
For Elevated Slab, Add	5.45	
For >500 To 1,000, Deduct	-1.09	
For >1,000 To 2,500, Deduct	-1.96	
For >2,500 To 5,000, Deduct	-2.83	
For >5,000 To 10,000, Deduct	-3.71	
For >10,000, Deduct	-4.58	
02 41 13 13-0028 SY >3" To 6" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	14.12	
For Elevated Slab, Add	7.06	
For >500 To 1,000, Deduct	-1.41	
For >1,000 To 2,500, Deduct	-2.54	
For >2,500 To 5,000, Deduct	-3.67	
For >5,000 To 10,000, Deduct	-4.80	
For >10,000, Deduct	-5.93	
02 41 13 13-0029 SY >6" To 9" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	23.42	
For Elevated Slab, Add	11.71	
For >500 To 1,000, Deduct	-2.34	
For >1,000 To 2,500, Deduct	-4.22	
For >2,500 To 5,000, Deduct	-6.09	
For >5,000 To 10,000, Deduct	-7.96	
For >10,000, Deduct	-9.84	
02 41 13 13-0030 SY Up To 3" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	11.82	
For Elevated Slab, Add	5.91	
For >500 To 1,000, Deduct	-1.18	
For >1,000 To 2,500, Deduct	-2.13	
For >2,500 To 5,000, Deduct	-3.07	
For >5,000 To 10,000, Deduct	-4.02	
For >10,000, Deduct	-4.96	

<b>02</b>	<b>Existing Conditions</b>
<b>02 40</b>	<b>Demolition And Structure Moving</b>
<b>02 41</b>	<b>Demolition</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0031 SY >3" To 6" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	15.21	
For Elevated Slab, Add	7.61	
For >500 To 1,000, Deduct	-1.52	
For >1,000 To 2,500, Deduct	-2.74	
For >2,500 To 5,000, Deduct	-3.95	
For >5,000 To 10,000, Deduct	-5.17	
For >10,000, Deduct	-6.39	
02 41 13 13-0032 SY >6" To 9" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	27.18	
For Elevated Slab, Add	13.59	
For >500 To 1,000, Deduct	-2.72	
For >1,000 To 2,500, Deduct	-4.89	
For >2,500 To 5,000, Deduct	-7.07	
For >5,000 To 10,000, Deduct	-9.24	
For >10,000, Deduct	-11.42	
02 41 13 13-0033 SY >9" To 14" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	35.47	
For Elevated Slab, Add	17.74	
For >500 To 1,000, Deduct	-3.55	
For >1,000 To 2,500, Deduct	-6.38	
For >2,500 To 5,000, Deduct	-9.22	
For >5,000 To 10,000, Deduct	-12.06	
For >10,000, Deduct	-14.90	
02 41 13 13-0034 SY >14" To 19" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	46.37	
For Elevated Slab, Add	23.19	
For >500 To 1,000, Deduct	-4.64	
For >1,000 To 2,500, Deduct	-8.35	
For >2,500 To 5,000, Deduct	-12.06	
For >5,000 To 10,000, Deduct	-15.77	
For >10,000, Deduct	-19.48	
02 41 13 13-0035 SY >19" To 24" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	56.28	
For Elevated Slab, Add	28.14	
For >500 To 1,000, Deduct	-5.63	
For >1,000 To 2,500, Deduct	-10.13	
For >2,500 To 5,000, Deduct	-14.63	
For >5,000 To 10,000, Deduct	-19.14	
For >10,000, Deduct	-23.64	
<b>02 41 13 13-0036 By Hand, Break-up And Remove Bituminous And Concrete Paving</b> (02 41 13 13)		
Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas up to 100 SF where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Excludes saw cutting. See CSI section 02 41 19 13-0058 for saw cutting.		
02 41 13 13-0037 SF Up To 3" By Hand, Break-up And Remove Bituminous Paving.....	1.75	
02 41 13 13-0038 SF >3" To 6" By Hand, Break-up And Remove Bituminous Paving.....	2.31	
02 41 13 13-0039 SF >6" To 8" By Hand, Break-up And Remove Bituminous Paving.....	2.99	
02 41 13 13-0040 SF Up To 3" By Hand, Break-up And Remove Concrete Paving.....	2.19	
02 41 13 13-0041 SF >3" To 6" By Hand, Break-up And Remove Concrete Paving.....	3.03	
02 41 13 13-0042 SF >6" To 8" By Hand, Break-up And Remove Concrete Paving.....	3.87	
<b>02 41 13 13-0043 Grind Concrete</b> (02 41 13 13)		
02 41 13 13-0044 EA Grind Existing Sidewalks Up To 1/2" Depth To Remove Ridges (Tripping Hazard).....	81.16	
Note: For each location up to 5' wide, feather up to 12" each direction.		
For >1/2" To 1" Depth Of Grinding, Add	12.17	
For >1" To 1-1/2" Depth Of Grinding, Add	20.29	
For Up To 5, Add	16.23	
For >5 To 10, Add	8.12	
For >25 To 50, Deduct	-8.12	
For >50 To 250, Deduct	-12.17	
For >250, Deduct	-16.23	
For Sidewalks >5', Add	8.12	
For Up To 12" Additional Feathering Per Side, Add	8.12	
<b>02 41 13 15 Hydro Demolition</b> (02 41 13)		
<b>02 41 13 15-0001 Hydro Demolition Of Concrete Pavement</b> (02 41 13 15)		
Note: Includes removal but excludes disposal of concrete.		
02 41 13 15-0002 SF Up To 2" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	3.47	
02 41 13 15-0003 SF >2" To 4" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	4.34	
02 41 13 15-0004 SF >4" To 6" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	5.78	
02 41 13 15-0005 SF >6" To 8" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	11.56	
<b>02 41 16 Structure Demolition</b> (02 41)		
<b>02 41 16 13 Building Demolition</b> (02 41 16)		
<b>02 41 16 13-0001 Building Interior Demolition</b> (02 41 16 13)		
Note: Guttered and placed in truck or dumpsters. Based on overall floor area including space under demolished walls. Includes all soft stripping of materials (doors and frames, non-load bearing walls, carpet, moldings, drywall, tile, ceiling, ductwork, piping, light fixtures, etc.), accessible mechanical, electrical, plumbing, overhead sprinkler, fire protection and similar systems. Excludes lead, asbestos or other contaminants or load bearing walls, mechanical, plumbing or electrical equipment such as furnaces, water heaters, plumbing fixtures, sump pumps, switchgear or panel boards. Excludes hauling, dump fees, recycling charges, and/or salvage value.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0002 GSF Residential Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck .....	3.80	
02 41 16 13-0003 GSF Up To 2,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck.....	5.74	
02 41 16 13-0004 GSF >2,000 To 10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck .....	4.70	
02 41 16 13-0005 GSF >10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck .....	4.18	
<b>02 41 16 13-0006 Commercial And Residential Structures Demolition</b> <small>(02 41 16 13)</small>		
Note: Complete demolition of structures. Includes site and building safety preparation, signage, dust control, scattered debris and other site clean-up, demolition equipment, and repair of any damaged adjacent property. Excludes (if required) utility disconnects and capping, underground or above ground storage tank removal, adjacent property protection, adjacent property cleanup, adjacent property work, site paving (asphalt or concrete), recycling fees, gutting/soft stripping (selective removal of materials for reuse) of building, site security, hazardous material abatement (including lead, asbestos, and PCBs), surveys, clearing and grubbing of site, cranes, traffic control, elevator removal, major mechanical equipment such as boilers, chillers, cooling towers, Etc., excavation or backfill, foundations, basement floor, slab-on grade, temporary fencing (installation and removal), hauling, disposal and dump fees for all debris (site and building), earthwork and erosion control. Pricing is by Hundred Cubic Foot (CCF) of complete building volume being demolished. For computing building volume, height is computed at actual floor-to-floor dimensions with attic and basement each computed at half-height, width and length are actual dimensions. Excludes salvage value.		
<b>02 41 16 13-0007 Steel Framed Building Demolition</b> <small>(02 41 16 13-0006)</small>		
Note: Includes masonry partitions and concrete decks.		
02 41 16 13-0008 CCF By Pneumatic Tools/Hand, Steel Framed Building Demolition .....	37.10	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-2.78	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-5.57	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-8.35	
For Up To 500, Add	11.13	
For >500 To 1,000, Add	7.42	
For >1,000 To 2,000, Add	3.71	
For Volume Of Area Within 15' To An Adjacent Building, Add	12.24	
For No Interior Partitions, Deduct	-9.28	
02 41 16 13-0009 CCF By Machine, Steel Framed Building Demolition .....	22.99	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-1.72	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-3.45	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-5.17	
For Up To 500, Add	6.90	
For >500 To 1,000, Add	4.60	
For >1,000 To 2,000, Add	2.30	
For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	3.45	
For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	5.75	
For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	8.05	
For Volume Of Area Within 15' To An Adjacent Building, Add	7.59	
For No Interior Partitions, Deduct	-5.75	
<b>02 41 16 13-0010 Reinforced Concrete Building Demolition</b> <small>(02 41 16 13-0006)</small>		
02 41 16 13-0011 CCF By Pneumatic Tools/Hand, Reinforced Concrete Building Demolition.....	46.56	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-3.49	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-6.98	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-10.48	
For Up To 500, Add	13.97	
For >500 To 1,000, Add	9.31	
For >1,000 To 2,000, Add	4.66	
For Volume Of Area Within 15' To An Adjacent Building, Add	15.36	
For No Interior Partitions, Deduct	-11.64	
02 41 16 13-0012 CCF By Machine, Reinforced Concrete Building Demolition.....	30.36	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-2.28	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-4.55	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-6.83	
For Up To 500, Add	9.11	
For >500 To 1,000, Add	6.07	
For >1,000 To 2,000, Add	3.04	
For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	4.55	
For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	7.59	
For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	10.63	
For Volume Of Area Within 15' To An Adjacent Building, Add	10.02	
For No Interior Partitions, Deduct	-7.59	
<b>02 41 16 13-0013 Masonry Construction Building Demolition</b> <small>(02 41 16 13-0006)</small>		
02 41 16 13-0014 CCF By Pneumatic Tools/Hand, Masonry Construction Building Demolition .....	32.71	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-2.45	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-4.91	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-7.36	
For Up To 500, Add	9.81	
For >500 To 1,000, Add	6.54	
For >1,000 To 2,000, Add	3.27	
For Volume Of Area Within 15' To An Adjacent Building, Add	10.79	
For No Interior Partitions, Deduct	-8.18	



<b>02</b>	<b>Existing Conditions</b>
<b>02 40</b>	<b>Demolition And Structure Moving</b>
<b>02 41</b>	<b>Demolition</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0015 CCF By Machine, Masonry Construction Building Demolition.....	20.63	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-1.55	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-3.09	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-4.64	
For Up To 500, Add	6.19	
For >500 To 1,000, Add	4.13	
For >1,000 To 2,000, Add	2.06	
For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	3.09	
For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	5.16	
For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	7.22	
For Volume Of Area Within 15' To An Adjacent Building, Add	6.81	
For No Interior Partitions, Deduct	-5.16	
<b>02 41 16 13-0016 Wood Frame Construction Building Demolition (02 41 16 13-0006)</b>		
02 41 16 13-0017 CCF By Pneumatic Tools/Hand, Wood Frame Construction Building Demolition .....	28.44	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-2.13	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-4.27	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-6.40	
For Up To 500, Add	8.53	
For >500 To 1,000, Add	5.69	
For >1,000 To 2,000, Add	2.84	
For Volume Of Area Within 15' To An Adjacent Building, Add	9.39	
For No Interior Partitions, Deduct	-7.11	
02 41 16 13-0018 CCF By Machine, Wood Frame Construction Building Demolition .....	17.66	
For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	-1.32	
For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	-2.65	
For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	-3.97	
For Up To 500, Add	5.30	
For >500 To 1,000, Add	3.53	
For >1,000 To 2,000, Add	1.77	
For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	2.65	
For Volume Of Area Within 15' To An Adjacent Building, Add	5.83	
For No Interior Partitions, Deduct	-4.42	
<b>02 41 16 13-0019 Sorting Of Material Debris For Recycling Prior To Hauling Off (02 41 16 13-0006)</b>		
Note: Per building volume.		
02 41 16 13-0020 CCF Sorting Of Material Debris For Recycling Prior To Hauling Off .....	4.28	
For Up To 500, Add	1.28	
For >500 To 1,000, Add	0.86	
For >1,000 To 2,000, Add	0.43	
<b>02 41 16 13-0021 Foundation Demolition (02 41 16 13)</b>		
Note: Excludes earthwork.		
<b>02 41 16 13-0022 Concrete Foundation Demolition (02 41 16 13-0021)</b>		
02 41 16 13-0023 CF Non Reinforced Concrete Foundation Demolition.....	6.78	
02 41 16 13-0024 SF 4" Thick Non Reinforced Concrete Foundation Wall Demolition .....	2.91	
02 41 16 13-0025 SF 6" Thick Non Reinforced Concrete Foundation Wall Demolition .....	3.88	
02 41 16 13-0026 SF 8" Thick Non Reinforced Concrete Foundation Wall Demolition .....	4.85	
02 41 16 13-0027 SF 10" Thick Non Reinforced Concrete Foundation Wall Demolition .....	5.81	
02 41 16 13-0028 SF 12" Thick Non Reinforced Concrete Foundation Wall Demolition .....	6.78	
02 41 16 13-0029 SF 16" Thick Non Reinforced Concrete Foundation Wall Demolition .....	7.76	
02 41 16 13-0030 CF Reinforced Concrete Foundation Demolition .....	8.14	
02 41 16 13-0031 SF 4" Thick Reinforced Concrete Foundation Wall Demolition.....	3.49	
02 41 16 13-0032 SF 6" Thick Reinforced Concrete Foundation Wall Demolition.....	4.65	
02 41 16 13-0033 SF 8" Thick Reinforced Concrete Foundation Wall Demolition.....	5.81	
02 41 16 13-0034 SF 10" Thick Reinforced Concrete Foundation Wall Demolition.....	6.88	
02 41 16 13-0035 SF 12" Thick Reinforced Concrete Foundation Wall Demolition.....	8.14	
02 41 16 13-0036 SF 16" Thick Reinforced Concrete Foundation Wall Demolition.....	9.30	
<b>02 41 16 13-0037 Concrete Block Foundation Wall Demolition (02 41 16 13-0021)</b>		
02 41 16 13-0038 SF 4" Thick Non Reinforced Concrete Block Foundation Wall Demolition .....	2.13	
02 41 16 13-0039 SF 6" Thick Non Reinforced Concrete Block Foundation Wall Demolition .....	2.27	
02 41 16 13-0040 SF 8" Thick Non Reinforced Concrete Block Foundation Wall Demolition .....	2.57	
02 41 16 13-0041 SF 10" Thick Non Reinforced Concrete Block Foundation Wall Demolition .....	2.95	
02 41 16 13-0042 SF 12" Thick Non Reinforced Concrete Block Foundation Wall Demolition .....	3.29	
02 41 16 13-0043 SF 16" Thick Non Reinforced Concrete Block Foundation Wall Demolition .....	4.12	
02 41 16 13-0044 SF 4" Thick Reinforced Concrete Block Foundation Wall Demolition .....	2.55	
02 41 16 13-0045 SF 6" Thick Reinforced Concrete Block Foundation Wall Demolition .....	2.73	
02 41 16 13-0046 SF 8" Thick Reinforced Concrete Block Foundation Wall Demolition .....	3.08	
02 41 16 13-0047 SF 10" Thick Reinforced Concrete Block Foundation Wall Demolition.....	3.55	
02 41 16 13-0048 SF 12" Thick Reinforced Concrete Block Foundation Wall Demolition.....	3.96	
02 41 16 13-0049 SF 16" Thick Reinforced Concrete Block Foundation Wall Demolition.....	4.94	
<b>02 41 16 13-0050 Brick Foundation Wall Demolition (02 41 16 13-0021)</b>		
02 41 16 13-0051 SF 4" Thick Brick Foundation Wall Demolition .....	2.13	
02 41 16 13-0052 SF 6" Thick Brick Foundation Wall Demolition .....	2.27	
02 41 16 13-0053 SF 8" Thick Brick Foundation Wall Demolition .....	2.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0054 SF 10" Thick Brick Foundation Wall Demolition .....	2.95	
02 41 16 13-0055 SF 12" Thick Brick Foundation Wall Demolition .....	3.29	
02 41 16 13-0056 SF 16" Thick Brick Foundation Wall Demolition .....	4.12	
<b>02 41 16 13-0057 Stone Foundation Demolition</b> (02 41 16 13-0021)		
02 41 16 13-0058 CF Stone Footing Or Foundation Wall Demolition.....	6.78	
<b>02 41 16 13-0059 Other Foundation Demolition</b> (02 41 16 13-0021)		
02 41 16 13-0060 CF Concrete Footing For Fence, Gate Or Playground Equipment Post, Etc. Demolition .....	7.17	
02 41 16 13-0061 CF Demolish Concrete Storm Water Structures.....	5.38	
<b>02 41 19 Selective Demolition</b> (02 41)		
<b>02 41 19 13 Selective Building Demolition</b> (02 41 19)		
02 41 19 13-0001 Exterior Masonry Removal (02 41 19 13)		
02 41 19 13-0002 Masonry Columns Removal (Interior And Exterior) (02 41 19 13-0001)		
02 41 19 13-0003 VLF 8" x 8" Masonry Column Removal .....	6.60	
02 41 19 13-0004 VLF 10" x 10" Masonry Column Removal .....	10.32	
02 41 19 13-0005 VLF 12" x 12" Masonry Column Removal .....	13.22	
02 41 19 13-0006 VLF 14" x 14" Masonry Column Removal .....	16.55	
02 41 19 13-0007 VLF 16" x 16" Masonry Column Removal .....	20.34	
02 41 19 13-0008 CF Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square .....	11.42	
<b>02 41 19 13-0009 Masonry Chimney Removal</b> (02 41 19 13-0001)		
02 41 19 13-0010 CF Up To 3 CF/VLF Chimney Removal, Per CF Of Masonry Removed .....	13.39	
02 41 19 13-0011 CF >3 To 10 CF/VLF Chimney Removal, Per CF Of Masonry Removed .....	10.06	
02 41 19 13-0012 CF >10 To 20 CF/VLF Chimney Removal, Per CF Of Masonry Removed .....	7.69	
02 41 19 13-0013 CF >20 CF/VLF Chimney Removal, Per CF Of Masonry Removed .....	5.33	
<b>02 41 19 13-0014 Remove And Reset Precast, Stone Or Masonry Coping</b> (02 41 19 13-0001)		
Note: Includes removing, cleaning, and resetting coping with new ties and mortar. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0058 for saw cutting.		
02 41 19 13-0015 LF Up To 8" Wide, Remove And Reset Precast, Stone Or Masonry Coping .....	9.89	
02 41 19 13-0016 LF >8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping .....	14.33	
02 41 19 13-0017 LF >12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping .....	26.52	
<b>02 41 19 13-0018 Facade Removal</b> (02 41 19 13-0001)		
Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0058 for saw cutting.		
02 41 19 13-0019 SF Stone Or Brick Veneer Facade Removal.....	2.51	
For Cleaning and Storage For Reuse, Add		3.77
<b>02 41 19 13-0020 Exterior Masonry Removal</b> (02 41 19 13-0001)		
Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0058 for saw cutting.		
02 41 19 13-0021 SF Demolish 4" Thick Non Reinforced Concrete Block Exterior Wall.....	2.21	
02 41 19 13-0022 SF Demolish 6" Thick Non Reinforced Concrete Block Exterior Wall.....	2.49	
02 41 19 13-0023 SF Demolish 8" Thick Non Reinforced Concrete Block Exterior Wall.....	3.02	
02 41 19 13-0024 SF Demolish 10" Thick Non Reinforced Concrete Block Exterior Wall.....	3.30	
02 41 19 13-0025 SF Demolish 12" Thick Non Reinforced Concrete Block Exterior Wall.....	3.62	
02 41 19 13-0026 SF Demolish 16" Thick Non Reinforced Concrete Block Exterior Wall.....	4.53	
02 41 19 13-0027 SF Demolish 4" Thick Reinforced Concrete Block Exterior Wall .....	2.62	
02 41 19 13-0028 SF Demolish 6" Thick Reinforced Concrete Block Exterior Wall .....	2.99	
02 41 19 13-0029 SF Demolish 8" Thick Reinforced Concrete Block Exterior Wall .....	3.62	
02 41 19 13-0030 SF Demolish 10" Thick Reinforced Concrete Block Exterior Wall .....	3.96	
02 41 19 13-0031 SF Demolish 12" Thick Reinforced Concrete Block Exterior Wall .....	4.34	
02 41 19 13-0032 SF Demolish 16" Thick Reinforced Concrete Block Exterior Wall .....	5.44	
02 41 19 13-0033 SF Demolish 4" Thick Brick Exterior Wall.....	2.21	
For Cleaning and Storage For Reuse, Add		3.32
02 41 19 13-0034 SF Demolish 6" Thick Brick Exterior Wall.....	2.49	
For Cleaning and Storage For Reuse, Add		3.74
02 41 19 13-0035 SF Demolish 8" Thick Brick Exterior Wall.....	3.02	
For Cleaning and Storage For Reuse, Add		4.53
02 41 19 13-0036 SF Demolish 10" Thick Brick Exterior Wall.....	3.30	
For Cleaning and Storage For Reuse, Add		4.95
02 41 19 13-0037 SF Demolish 12" Thick Brick Exterior Wall.....	3.62	
For Cleaning and Storage For Reuse, Add		5.43

<b>02</b>	<b>Existing Conditions</b>
<b>02 40</b>	<b>Demolition And Structure Moving</b>
<b>02 41</b>	<b>Demolition</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0038 SF Demolish 16" Thick Brick Exterior Wall.....	4.53	
For Cleaning and Storage For Reuse, Add	6.80	
02 41 19 13-0039 CF Exterior Brick, Concrete Block Or Composite Removal.....	6.44	
For Cleaning and Storage For Reuse, Add	9.66	
<b>02 41 19 13-0040 Lintel Removal</b> (02 41 19 13-0001)		
Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0058 for saw cutting.		
02 41 19 13-0041 LF Demolish Steel Lintel.....	8.24	
02 41 19 13-0042 LF Demolish Concrete Or Stone Lintel.....	10.99	
02 41 19 13-0043 LF Demolish Steel Shelf Angle.....	8.70	
02 41 19 13-0044 LF Clean, Prime And Paint Steel Shelf Angle Or Lintel.....	4.86	
02 41 19 13-0045 LF Reinstall Existing Concrete Or Stone Lintel.....	10.99	
02 41 19 13-0046 LF Reinstall Existing Steel Shelf Angle.....	23.94	
Note: Includes fasteners.		
02 41 19 13-0047 LF Reinstall Existing Steel Lintel.....	9.15	
02 41 19 13-0048 LF Removal And Replacement Of Steel Shelf Angle Over Window Openings At Cavity Walls.....	72.66	
02 41 19 13-0049 LF Removal And Replacement Of Steel Lintel Over Window Openings.....	81.82	
<b>02 41 19 13-0050 Exterior Concrete Wall Removal</b> (02 41 19 13)		
02 41 19 13-0051 SF Demolish 4" Thick Reinforced Concrete Exterior Wall.....	3.02	
02 41 19 13-0052 SF Demolish 6" Thick Reinforced Concrete Exterior Wall.....	5.48	
02 41 19 13-0053 SF Demolish 8" Thick Reinforced Concrete Exterior Wall.....	6.88	
02 41 19 13-0054 SF Demolish 10" Thick Reinforced Concrete Exterior Wall.....	8.12	
02 41 19 13-0055 SF Demolish 12" Thick Reinforced Concrete Exterior Wall.....	9.60	
<b>02 41 19 13-0056 Elevated Concrete Removal</b> (02 41 19 13)		
02 41 19 13-0057 CF Elevated Concrete Beam/Slab/Steps Removal, Reinforced.....	5.78	
<b>02 41 19 13-0058 Saw Cutting</b> (02 41 19 13)		
Note: Includes blade wear, water, taping off area, layout, clean-up and mist spray with wet vacuuming for dust control where necessary. For projects where the total saw cutting charge is less than the minimum charge, use task "Saw Cut Minimum Charge" exclusively. Task "Saw Cut Minimum Charge" should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0059 LF Saw Cut Bituminous Paving Up To 4" Depth.....	1.17	
For Each Additional Pass (Depth To 3"), Add	0.43	
For >250, Deduct	-0.11	
02 41 19 13-0060 LF Saw Cut Brick Masonry Up To 4" Depth.....	4.00	
For Each Additional Pass (Depth To 3"), Add	1.56	
For >250, Deduct	-0.39	
02 41 19 13-0061 LF Saw Cut Concrete Block Up To 4" Depth.....	3.63	
For Each Additional Pass (Depth To 3"), Add	1.41	
For >250, Deduct	-0.35	
02 41 19 13-0062 LF Saw Cut Non Reinforced Concrete Slab Or Paving Up To 4" Depth.....	1.36	
For Each Additional Pass (Depth To 3"), Add	0.50	
For >250, Deduct	-0.12	
02 41 19 13-0063 LF Saw Cut Welded Wire Reinforced Concrete Slab Up To 4" Depth.....	1.77	
For Each Additional Pass (Depth To 3"), Add	0.65	
For >250, Deduct	-0.16	
02 41 19 13-0064 LF Saw Cut Rod Reinforced Concrete Slab Up To 4" Depth.....	2.79	
For Each Additional Pass (Depth To 3"), Add	1.06	
For >250, Deduct	-0.26	
02 41 19 13-0065 LF Saw Cut Plain Concrete Walls Up To 4" Depth.....	5.09	
For Each Additional Pass (Depth To 3"), Add	1.99	
For >250, Deduct	-0.49	
02 41 19 13-0066 LF Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth.....	6.82	
For Each Additional Pass (Depth To 3"), Add	2.67	
For >250, Deduct	-0.66	
02 41 19 13-0067 LF Saw Cut In Streets, Concrete And Asphalt Up To 4" Depth.....	1.45	
For Each Additional Pass (Depth To 3"), Add	0.51	
For >250, Deduct	-0.12	
02 41 19 13-0068 LF Saw Cut Igneous Stone Pavements Up To 4" Depth.....	3.66	
For Each Additional Pass (Depth To 3"), Add	1.42	
For >250, Deduct	-0.35	
02 41 19 13-0069 LF Saw Cut Sedimentary Stone Pavements Up To 4" Depth.....	3.66	
For Each Additional Pass (Depth To 3"), Add	1.42	
For >250, Deduct	-0.35	
02 41 19 13-0070 LF Saw Cut Metamorphic Stone Pavements Up To 4" Depth.....	3.66	
For Each Additional Pass (Depth To 3"), Add	1.42	
For >250, Deduct	-0.35	
02 41 19 13-0071 LF Saw Cut Terrazzo Stone Pavements Up To 4" Depth.....	3.66	
For Each Additional Pass (Depth To 3"), Add	1.42	
For >250, Deduct	-0.35	
02 41 19 13-0072 EA Saw Cut Minimum Charge.....	520.49	
Note: For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>02 41 19 13-0073 Torch Cutting</b> <small>(02 41 19 13)</small>		
Note: Includes grinding edge		
02 41 19 13-0074 LF Up To 1/2", Torch Cut Steel Plate.....	1.80	
02 41 19 13-0075 LF >1/2" To 1" Thick, Torch Cut Steel Plate .....	3.57	
02 41 19 13-0076 LF >1" To 1-1/2" Thick, Torch Cut Steel Plate .....	5.37	
02 41 19 13-0077 LF >1-1/2" To 2" Thick, Torch Cut Steel Plate .....	7.16	
02 41 19 13-0078 LF >2" To 2-1/2" Thick, Torch Cut Steel Plate .....	8.94	
02 41 19 13-0079 LF >2-1/2" To 3" Thick, Torch Cut Steel Plate .....	10.73	
02 41 19 13-0080 EA Torch Cutting Minimum Charge .....	581.71	
Note: For projects where the total torch cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
<b>02 41 19 13-0081 Drilling In Existing Materials</b> <small>(02 41 19 13)</small>		
Note: Includes drill bit wear, water, layout, set-up and clean-up.		
<b>02 41 19 13-0082 Concrete Core Drilling</b> <small>(02 41 19 13-0081)</small>		
<b>02 41 19 13-0083 Up To 4" Thick Concrete Core Drilling</b> <small>(02 41 19 13-0082)</small>		
02 41 19 13-0084 EA Drill 1" Diameter Core In Up To 4" Concrete.....	20.65	
For Horizontal Cores, Add	3.70	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	7.40	
02 41 19 13-0085 EA Drill 1-1/2" Diameter Core In Up To 4" Concrete .....	22.70	
For Horizontal Cores, Add	4.11	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	8.22	
02 41 19 13-0086 EA Drill 2" Diameter Core In Up To 4" Concrete.....	24.99	
For Horizontal Cores, Add	4.57	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	9.14	
02 41 19 13-0087 EA Drill 3" Diameter Core In Up To 4" Concrete.....	35.52	
For Horizontal Cores, Add	6.53	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	13.06	
02 41 19 13-0088 EA Drill 4" Diameter Core In Up To 4" Concrete.....	47.62	
For Horizontal Cores, Add	8.75	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	17.50	
02 41 19 13-0089 EA Drill 6" Diameter Core In Up To 4" Concrete.....	53.84	
For Horizontal Cores, Add	9.79	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	19.58	
02 41 19 13-0090 EA Drill 8" Diameter Core In Up To 4" Concrete.....	85.03	
For Horizontal Cores, Add	15.67	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	31.34	
02 41 19 13-0091 EA Drill 10" Diameter Core In Up To 4" Concrete.....	107.05	
For Horizontal Cores, Add	19.58	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	39.17	
02 41 19 13-0092 EA Drill 12" Diameter Core In Up To 4" Concrete.....	125.19	
For Horizontal Cores, Add	22.85	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	45.70	
02 41 19 13-0093 EA Drill 14" Diameter Core In Up To 4" Concrete.....	143.57	
For Horizontal Cores, Add	26.11	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	52.22	
02 41 19 13-0094 EA Drill 18" Diameter Core In Up To 4" Concrete.....	163.59	
For Horizontal Cores, Add	29.37	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	58.74	
<b>02 41 19 13-0095 &gt;4" To 6" Thick Concrete Core Drilling</b> <small>(02 41 19 13-0082)</small>		
02 41 19 13-0096 EA Drill 1" Diameter Core In >4" To 6" Concrete.....	29.72	
For Horizontal Cores, Add	5.29	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	10.58	
02 41 19 13-0097 EA Drill 1-1/2" Diameter Core In >4" To 6" Concrete.....	32.65	
For Horizontal Cores, Add	5.87	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	11.75	
02 41 19 13-0098 EA Drill 2" Diameter Core In >4" To 6" Concrete.....	35.92	
For Horizontal Cores, Add	6.53	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	13.06	
02 41 19 13-0099 EA Drill 3" Diameter Core In >4" To 6" Concrete.....	43.67	
For Horizontal Cores, Add	7.83	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	15.67	
02 41 19 13-0100 EA Drill 4" Diameter Core In >4" To 6" Concrete.....	54.92	
For Horizontal Cores, Add	9.79	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	19.58	
02 41 19 13-0101 EA Drill 6" Diameter Core In >4" To 6" Concrete.....	72.70	
For Horizontal Cores, Add	13.06	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	26.11	
02 41 19 13-0102 EA Drill 8" Diameter Core In >4" To 6" Concrete.....	108.05	
For Horizontal Cores, Add	19.58	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	39.17	
02 41 19 13-0103 EA Drill 10" Diameter Core In >4" To 6" Concrete.....	127.91	
For Horizontal Cores, Add	22.85	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	45.70	
02 41 19 13-0104 EA Drill 12" Diameter Core In >4" To 6" Concrete.....	146.92	
For Horizontal Cores, Add	26.11	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	52.22	
02 41 19 13-0105 EA Drill 14" Diameter Core In >4" To 6" Concrete.....	166.76	
For Horizontal Cores, Add	29.37	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	58.74	

<b>02</b>	<b>Existing Conditions</b>
<b>02 40</b>	<b>Demolition And Structure Moving</b>
<b>02 41</b>	<b>Demolition</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0106	EA		Drill 18" Diameter Core In >4" To 6" Concrete.....	188.98	
			<i>For Horizontal Cores, Add</i>	32.64	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	65.28	
<b>02 41 19 13-0107</b>			<b>&gt;6" To 8" Thick Concrete Core Drilling (02 41 19 13-0082)</b>		
02 41 19 13-0108	EA		Drill 1" Diameter Core In >6" To 8" Concrete.....	33.54	
			<i>For Horizontal Cores, Add</i>	5.82	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	11.63	
02 41 19 13-0109	EA		Drill 1-1/2" Diameter Core In >6" To 8" Concrete.....	36.77	
			<i>For Horizontal Cores, Add</i>	6.46	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	12.92	
02 41 19 13-0110	EA		Drill 2" Diameter Core In >6" To 8" Concrete.....	40.37	
			<i>For Horizontal Cores, Add</i>	7.18	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	14.36	
02 41 19 13-0111	EA		Drill 3" Diameter Core In >6" To 8" Concrete.....	48.57	
			<i>For Horizontal Cores, Add</i>	8.49	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	16.98	
02 41 19 13-0112	EA		Drill 4" Diameter Core In >6" To 8" Concrete.....	63.52	
			<i>For Horizontal Cores, Add</i>	11.10	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	22.19	
02 41 19 13-0113	EA		Drill 6" Diameter Core In >6" To 8" Concrete.....	88.29	
			<i>For Horizontal Cores, Add</i>	15.67	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	31.34	
02 41 19 13-0114	EA		Drill 8" Diameter Core In >6" To 8" Concrete.....	144.12	
			<i>For Horizontal Cores, Add</i>	26.11	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	52.22	
02 41 19 13-0115	EA		Drill 10" Diameter Core In >6" To 8" Concrete.....	165.04	
			<i>For Horizontal Cores, Add</i>	29.37	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	58.74	
02 41 19 13-0116	EA		Drill 12" Diameter Core In >6" To 8" Concrete.....	185.00	
			<i>For Horizontal Cores, Add</i>	32.64	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	65.28	
02 41 19 13-0117	EA		Drill 14" Diameter Core In >6" To 8" Concrete.....	206.26	
			<i>For Horizontal Cores, Add</i>	35.90	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	71.80	
02 41 19 13-0118	EA		Drill 18" Diameter Core In >6" To 8" Concrete.....	230.66	
			<i>For Horizontal Cores, Add</i>	39.17	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	78.34	
<b>02 41 19 13-0119</b>			<b>&gt;8" To 10" Thick Concrete Core Drilling (02 41 19 13-0082)</b>		
02 41 19 13-0120	EA		Drill 1" Diameter Core In >8" To 10" Concrete.....	39.99	
			<i>For Horizontal Cores, Add</i>	6.87	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	13.74	
02 41 19 13-0121	EA		Drill 1-1/2" Diameter Core In >8" To 10" Concrete.....	43.82	
			<i>For Horizontal Cores, Add</i>	7.64	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	15.28	
02 41 19 13-0122	EA		Drill 2" Diameter Core In >8" To 10" Concrete.....	48.06	
			<i>For Horizontal Cores, Add</i>	8.49	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	16.97	
02 41 19 13-0123	EA		Drill 3" Diameter Core In >8" To 10" Concrete.....	56.72	
			<i>For Horizontal Cores, Add</i>	9.79	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	19.58	
02 41 19 13-0124	EA		Drill 4" Diameter Core In >8" To 10" Concrete.....	65.60	
			<i>For Horizontal Cores, Add</i>	11.10	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	22.19	
02 41 19 13-0125	EA		Drill 6" Diameter Core In >8" To 10" Concrete.....	90.82	
			<i>For Horizontal Cores, Add</i>	15.67	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	31.34	
02 41 19 13-0126	EA		Drill 8" Diameter Core In >8" To 10" Concrete.....	147.55	
			<i>For Horizontal Cores, Add</i>	26.11	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	52.22	
02 41 19 13-0127	EA		Drill 10" Diameter Core In >8" To 10" Concrete.....	169.56	
			<i>For Horizontal Cores, Add</i>	29.37	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	58.74	
02 41 19 13-0128	EA		Drill 12" Diameter Core In >8" To 10" Concrete.....	190.38	
			<i>For Horizontal Cores, Add</i>	32.63	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	65.26	
02 41 19 13-0129	EA		Drill 14" Diameter Core In >8" To 10" Concrete.....	213.13	
			<i>For Horizontal Cores, Add</i>	35.90	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	71.80	
02 41 19 13-0130	EA		Drill 18" Diameter Core In >8" To 10" Concrete.....	239.66	
			<i>For Horizontal Cores, Add</i>	39.16	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	78.32	
<b>02 41 19 13-0131</b>			<b>&gt;10" To 12" Thick Concrete Core Drilling (02 41 19 13-0082)</b>		
02 41 19 13-0132	EA		Drill 1" Diameter Core In >10" To 12" Concrete.....	43.82	
			<i>For Horizontal Cores, Add</i>	7.40	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	14.80	
02 41 19 13-0133	EA		Drill 1-1/2" Diameter Core In >10" To 12" Concrete.....	47.93	
			<i>For Horizontal Cores, Add</i>	8.22	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	16.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0134 EA Drill 2" Diameter Core In >10" To 12" Concrete.....	52.51	
<i>For Horizontal Cores, Add</i>	9.14	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	18.28	
02 41 19 13-0135 EA Drill 3" Diameter Core In >10" To 12" Concrete.....	58.35	
<i>For Horizontal Cores, Add</i>	9.79	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	19.58	
02 41 19 13-0136 EA Drill 4" Diameter Core In >10" To 12" Concrete.....	77.48	
<i>For Horizontal Cores, Add</i>	13.06	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	26.11	
02 41 19 13-0137 EA Drill 6" Diameter Core In >10" To 12" Concrete.....	99.88	
<i>For Horizontal Cores, Add</i>	16.97	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	33.95	
02 41 19 13-0138 EA Drill 8" Diameter Core In >10" To 12" Concrete.....	157.53	
<i>For Horizontal Cores, Add</i>	27.42	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	54.84	
02 41 19 13-0139 EA Drill 10" Diameter Core In >10" To 12" Concrete.....	174.08	
<i>For Horizontal Cores, Add</i>	29.37	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	58.74	
02 41 19 13-0140 EA Drill 12" Diameter Core In >10" To 12" Concrete.....	202.39	
<i>For Horizontal Cores, Add</i>	33.95	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	67.90	
<b>02 41 19 13-0141 &gt;12" Thick Concrete Core Drilling (02 41 19 13-0082)</b>		
02 41 19 13-0142 IN Drill 1" Diameter Core In >12" Concrete .....	5.09	
<i>For Horizontal Cores, Add</i>	0.90	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	1.81	
02 41 19 13-0143 IN Drill 1-1/2" Diameter Core In >12" Concrete .....	5.59	
<i>For Horizontal Cores, Add</i>	1.00	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	2.01	
02 41 19 13-0144 IN Drill 2" Diameter Core In >12" Concrete .....	6.16	
<i>For Horizontal Cores, Add</i>	1.12	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	2.24	
02 41 19 13-0145 IN Drill 3" Diameter Core In >12" Concrete .....	6.90	
<i>For Horizontal Cores, Add</i>	1.22	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	2.45	
02 41 19 13-0146 IN Drill 4" Diameter Core In >12" Concrete .....	9.18	
<i>For Horizontal Cores, Add</i>	1.63	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	3.26	
02 41 19 13-0147 IN Drill 6" Diameter Core In >12" Concrete .....	11.86	
<i>For Horizontal Cores, Add</i>	2.12	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	4.24	
02 41 19 13-0148 IN Drill 8" Diameter Core In >12" Concrete .....	18.85	
<i>For Horizontal Cores, Add</i>	3.43	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	6.86	
02 41 19 13-0149 IN Drill 10" Diameter Core In >12" Concrete .....	20.70	
<i>For Horizontal Cores, Add</i>	3.69	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	7.37	
02 41 19 13-0150 IN Drill 12" Diameter Core In >12" Concrete .....	23.95	
<i>For Horizontal Cores, Add</i>	4.25	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	8.49	
<b>02 41 19 13-0151 Brick/Concrete Block Core Drilling (02 41 19 13-0081)</b>		
<b>02 41 19 13-0152 Up To 4" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0151)</b>		
02 41 19 13-0153 EA Drill 1" Diameter Core In Up To 4" Brick/Concrete Block.....	16.95	
<i>For Horizontal Cores, Add</i>	2.96	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	5.92	
02 41 19 13-0154 EA Drill 1-1/2" Diameter Core In Up To 4" Brick/Concrete Block.....	18.59	
<i>For Horizontal Cores, Add</i>	3.29	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	6.58	
02 41 19 13-0155 EA Drill 2" Diameter Core In Up To 4" Brick/Concrete Block.....	20.42	
<i>For Horizontal Cores, Add</i>	3.66	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	7.31	
02 41 19 13-0156 EA Drill 3" Diameter Core In Up To 4" Brick/Concrete Block.....	28.99	
<i>For Horizontal Cores, Add</i>	5.22	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	10.44	
02 41 19 13-0157 EA Drill 4" Diameter Core In Up To 4" Brick/Concrete Block.....	38.87	
<i>For Horizontal Cores, Add</i>	7.00	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	14.00	
02 41 19 13-0158 EA Drill 6" Diameter Core In Up To 4" Brick/Concrete Block.....	44.05	
<i>For Horizontal Cores, Add</i>	7.83	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	15.67	
02 41 19 13-0159 EA Drill 8" Diameter Core In Up To 4" Brick/Concrete Block.....	69.36	
<i>For Horizontal Cores, Add</i>	12.53	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	25.07	
02 41 19 13-0160 EA Drill 10" Diameter Core In Up To 4" Brick/Concrete Block.....	87.47	
<i>For Horizontal Cores, Add</i>	15.67	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	31.34	
02 41 19 13-0161 EA Drill 12" Diameter Core In Up To 4" Brick/Concrete Block.....	102.34	
<i>For Horizontal Cores, Add</i>	18.28	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	36.56	

<b>02</b>	<b>Existing Conditions</b>
<b>02 40</b>	<b>Demolition And Structure Moving</b>
<b>02 41</b>	<b>Demolition</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0162 EA Drill 14" Diameter Core In Up To 4" Brick/Concrete Block .....	117.47	
For Horizontal Cores, Add	20.89	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	41.78	
02 41 19 13-0163 EA Drill 18" Diameter Core In Up To 4" Brick/Concrete Block .....	134.22	
For Horizontal Cores, Add	23.50	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	47.00	
<b>02 41 19 13-0164 &gt;4" To 6" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0151)</b>		
02 41 19 13-0165 EA Drill 1" Diameter Core In > 4" To 6" Brick/Concrete Block .....	24.43	
For Horizontal Cores, Add	4.23	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	8.46	
02 41 19 13-0166 EA Drill 1-1/2" Diameter Core In > 4" To 6" Brick/Concrete Block .....	26.77	
For Horizontal Cores, Add	4.70	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	9.40	
02 41 19 13-0167 EA Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block .....	29.39	
For Horizontal Cores, Add	5.22	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	10.44	
02 41 19 13-0168 EA Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block .....	35.84	
For Horizontal Cores, Add	6.27	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	12.54	
02 41 19 13-0169 EA Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block .....	45.13	
For Horizontal Cores, Add	7.83	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	15.67	
02 41 19 13-0170 EA Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block .....	59.64	
For Horizontal Cores, Add	10.44	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	20.89	
02 41 19 13-0171 EA Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block .....	88.47	
For Horizontal Cores, Add	15.67	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	31.34	
02 41 19 13-0172 EA Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block .....	105.06	
For Horizontal Cores, Add	18.28	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	36.56	
02 41 19 13-0173 EA Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block .....	120.82	
For Horizontal Cores, Add	20.89	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	41.78	
02 41 19 13-0174 EA Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block .....	137.39	
For Horizontal Cores, Add	23.50	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	47.00	
02 41 19 13-0175 EA Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block .....	156.34	
For Horizontal Cores, Add	26.11	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	52.22	
<b>02 41 19 13-0176 &gt;6" To 8" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0151)</b>		
02 41 19 13-0177 EA Drill 1" Diameter Core In > 6" To 8" Brick/Concrete Block .....	27.72	
For Horizontal Cores, Add	4.65	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	9.30	
02 41 19 13-0178 EA Drill 1-1/2" Diameter Core In > 6" To 8" Brick/Concrete Block .....	30.31	
For Horizontal Cores, Add	5.17	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	10.34	
02 41 19 13-0179 EA Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block .....	33.18	
For Horizontal Cores, Add	5.74	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	11.49	
02 41 19 13-0180 EA Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block .....	40.07	
For Horizontal Cores, Add	6.79	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	13.58	
02 41 19 13-0181 EA Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block .....	52.43	
For Horizontal Cores, Add	8.88	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	17.76	
02 41 19 13-0182 EA Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block .....	72.62	
For Horizontal Cores, Add	12.53	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	25.07	
02 41 19 13-0183 EA Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block .....	118.02	
For Horizontal Cores, Add	20.89	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	41.78	
02 41 19 13-0184 EA Drill 10" Diameter Core In >6" To 8" Brick/Concrete Block .....	135.67	
For Horizontal Cores, Add	23.50	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	47.00	
02 41 19 13-0185 EA Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block .....	152.36	
For Horizontal Cores, Add	26.11	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	52.22	
02 41 19 13-0186 EA Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block .....	170.36	
For Horizontal Cores, Add	28.72	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	57.44	
02 41 19 13-0187 EA Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block .....	191.49	
For Horizontal Cores, Add	31.33	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	62.67	
<b>02 41 19 13-0188 &gt;8" To 10" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0151)</b>		
02 41 19 13-0189 EA Drill 1" Diameter Core In > 8" To 10" Brick/Concrete Block .....	33.13	
For Horizontal Cores, Add	5.50	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	11.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0190 EA Drill 1-1/2" Diameter Core In > 8" To 10" Brick/Concrete Block.....	36.18	
<i>For Horizontal Cores, Add</i>	6.11	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	12.22	
02 41 19 13-0191 EA Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block.....	39.57	
<i>For Horizontal Cores, Add</i>	6.79	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	13.58	
02 41 19 13-0192 EA Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block.....	46.93	
<i>For Horizontal Cores, Add</i>	7.83	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	15.67	
02 41 19 13-0193 EA Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block.....	54.51	
<i>For Horizontal Cores, Add</i>	8.88	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	17.76	
02 41 19 13-0194 EA Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block.....	75.15	
<i>For Horizontal Cores, Add</i>	12.53	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	25.07	
02 41 19 13-0195 EA Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block.....	121.45	
<i>For Horizontal Cores, Add</i>	20.89	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	41.78	
02 41 19 13-0196 EA Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block.....	140.19	
<i>For Horizontal Cores, Add</i>	23.50	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	47.00	
02 41 19 13-0197 EA Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block.....	157.75	
<i>For Horizontal Cores, Add</i>	26.11	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	52.21	
02 41 19 13-0198 EA Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block.....	177.23	
<i>For Horizontal Cores, Add</i>	28.72	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	57.44	
02 41 19 13-0199 EA Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block.....	200.49	
<i>For Horizontal Cores, Add</i>	31.33	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	62.65	
<b>02 41 19 13-0200 &gt;10" To 12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0151)</b>		
02 41 19 13-0201 EA Drill 1" Diameter Core In >10" To 12" Brick/Concrete Block.....	36.42	
<i>For Horizontal Cores, Add</i>	5.92	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	11.84	
02 41 19 13-0202 EA Drill 1-1/2" Diameter Core In > 10" To 12" Brick/Concrete Block.....	39.71	
<i>For Horizontal Cores, Add</i>	6.58	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	13.16	
02 41 19 13-0203 EA Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block.....	43.37	
<i>For Horizontal Cores, Add</i>	7.31	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	14.62	
02 41 19 13-0204 EA Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block.....	48.56	
<i>For Horizontal Cores, Add</i>	7.83	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	15.67	
02 41 19 13-0205 EA Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block.....	64.42	
<i>For Horizontal Cores, Add</i>	10.44	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	20.89	
02 41 19 13-0206 EA Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block.....	82.91	
<i>For Horizontal Cores, Add</i>	13.58	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	27.16	
02 41 19 13-0207 EA Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block.....	130.11	
<i>For Horizontal Cores, Add</i>	21.93	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	43.87	
02 41 19 13-0208 EA Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block.....	144.71	
<i>For Horizontal Cores, Add</i>	23.50	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	47.00	
02 41 19 13-0209 EA Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block.....	168.45	
<i>For Horizontal Cores, Add</i>	27.16	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	54.32	
<b>02 41 19 13-0210 &gt;12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0151)</b>		
02 41 19 13-0211 IN Drill 1" Diameter Core In >12" Brick/Concrete Block.....	4.19	
<i>For Horizontal Cores, Add</i>	0.72	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	1.45	
02 41 19 13-0212 IN Drill 1-1/2" Diameter Core In >12" Brick/Concrete Block.....	4.59	
<i>For Horizontal Cores, Add</i>	0.80	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	1.61	
02 41 19 13-0213 IN Drill 2" Diameter Core In >12" Brick/Concrete Block.....	5.04	
<i>For Horizontal Cores, Add</i>	0.89	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	1.79	
02 41 19 13-0214 IN Drill 3" Diameter Core In >12" Brick/Concrete Block.....	5.68	
<i>For Horizontal Cores, Add</i>	0.98	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	1.96	
02 41 19 13-0215 IN Drill 4" Diameter Core In >12" Brick/Concrete Block.....	7.55	
<i>For Horizontal Cores, Add</i>	1.31	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	2.61	
02 41 19 13-0216 IN Drill 6" Diameter Core In >12" Brick/Concrete Block.....	9.74	
<i>For Horizontal Cores, Add</i>	1.70	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	3.40	
02 41 19 13-0217 IN Drill 8" Diameter Core In >12" Brick/Concrete Block.....	15.42	
<i>For Horizontal Cores, Add</i>	2.74	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	5.49	



<b>02</b>	<b>Existing Conditions</b>
<b>02 40</b>	<b>Demolition And Structure Moving</b>
<b>02 41</b>	<b>Demolition</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0218 IN Drill 10" Diameter Core In >12" Brick/Concrete Block.....	17.02	
<i>For Horizontal Cores, Add</i>	2.95	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	5.90	
02 41 19 13-0219 IN Drill 12" Diameter Core In >12" Brick/Concrete Block.....	19.70	
<i>For Horizontal Cores, Add</i>	3.40	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	6.79	
<b>02 41 19 13-0220 Asphalt Core Drilling (02 41 19 13-0081)</b>		
<b>02 41 19 13-0221 Up To 2" Thick Asphalt Core Drilling (02 41 19 13-0220)</b>		
02 41 19 13-0222 EA Drill 1" Diameter Core In Up To 2" Asphalt.....	9.35	
02 41 19 13-0223 EA Drill 1-1/2" Diameter Core In Up To 2" Asphalt.....	11.71	
02 41 19 13-0224 EA Drill 2" Diameter Core In Up To 2" Asphalt.....	14.65	
02 41 19 13-0225 EA Drill 3" Diameter Core In Up To 2" Asphalt.....	18.22	
02 41 19 13-0226 EA Drill 4" Diameter Core In Up To 2" Asphalt.....	22.96	
02 41 19 13-0227 EA Drill 6" Diameter Core In Up To 2" Asphalt.....	28.86	
02 41 19 13-0228 EA Drill 8" Diameter Core In Up To 2" Asphalt.....	36.11	
02 41 19 13-0229 EA Drill 10" Diameter Core In Up To 2" Asphalt.....	44.80	
02 41 19 13-0230 EA Drill 12" Diameter Core In Up To 2" Asphalt.....	55.89	
<b>02 41 19 13-0231 &gt;2" To 3" Thick Asphalt Core Drilling (02 41 19 13-0220)</b>		
02 41 19 13-0232 EA Drill 1" Diameter Core In >2" To 3" Asphalt.....	11.67	
02 41 19 13-0233 EA Drill 1-1/2" Diameter Core In >2" To 3" Asphalt.....	15.15	
02 41 19 13-0234 EA Drill 2" Diameter Core In >2" To 3" Asphalt.....	18.64	
02 41 19 13-0235 EA Drill 3" Diameter Core In >2" To 3" Asphalt.....	23.39	
02 41 19 13-0236 EA Drill 4" Diameter Core In >2" To 3" Asphalt.....	29.29	
02 41 19 13-0237 EA Drill 6" Diameter Core In >2" To 3" Asphalt.....	36.91	
02 41 19 13-0238 EA Drill 8" Diameter Core In >2" To 3" Asphalt.....	45.93	
02 41 19 13-0239 EA Drill 10" Diameter Core In >2" To 3" Asphalt.....	57.47	
02 41 19 13-0240 EA Drill 12" Diameter Core In >2" To 3" Asphalt.....	71.44	
<b>02 41 19 13-0241 &gt;3" To 4" Thick Asphalt Core Drilling (02 41 19 13-0220)</b>		
02 41 19 13-0242 EA Drill 1" Diameter Core In >3" To 4" Asphalt.....	15.20	
02 41 19 13-0243 EA Drill 1-1/2" Diameter Core In >3" To 4" Asphalt.....	19.33	
02 41 19 13-0244 EA Drill 2" Diameter Core In >3" To 4" Asphalt.....	24.00	
02 41 19 13-0245 EA Drill 3" Diameter Core In >3" To 4" Asphalt.....	29.94	
02 41 19 13-0246 EA Drill 4" Diameter Core In >3" To 4" Asphalt.....	37.70	
02 41 19 13-0247 EA Drill 6" Diameter Core In >3" To 4" Asphalt.....	47.13	
02 41 19 13-0248 EA Drill 8" Diameter Core In >3" To 4" Asphalt.....	59.21	
02 41 19 13-0249 EA Drill 10" Diameter Core In >3" To 4" Asphalt.....	73.71	
02 41 19 13-0250 EA Drill 12" Diameter Core In >3" To 4" Asphalt.....	91.80	
<b>02 41 19 13-0251 &gt;4" To 6" Thick Asphalt Core Drilling (02 41 19 13-0220)</b>		
02 41 19 13-0252 EA Drill 1" Diameter Core In >4" To 6" Asphalt.....	20.03	
02 41 19 13-0253 EA Drill 1-1/2" Diameter Core In >4" To 6" Asphalt.....	24.83	
02 41 19 13-0254 EA Drill 2" Diameter Core In >4" To 6" Asphalt.....	30.69	
02 41 19 13-0255 EA Drill 3" Diameter Core In >4" To 6" Asphalt.....	39.13	
02 41 19 13-0256 EA Drill 4" Diameter Core In >4" To 6" Asphalt.....	48.80	
02 41 19 13-0257 EA Drill 6" Diameter Core In >4" To 6" Asphalt.....	60.70	
02 41 19 13-0258 EA Drill 8" Diameter Core In >4" To 6" Asphalt.....	76.57	
02 41 19 13-0259 EA Drill 10" Diameter Core In >4" To 6" Asphalt.....	95.21	
02 41 19 13-0260 EA Drill 12" Diameter Core In >4" To 6" Asphalt.....	118.76	
<b>02 41 19 13-0261 Manhole Core Drilling (02 41 19 13-0081)</b>		
02 41 19 13-0262 EA Drill 4" Diameter Core In 6" Brick Manhole.....	101.94	
02 41 19 13-0263 EA Drill 5" Diameter Core In 6" Brick Manhole.....	116.43	
02 41 19 13-0264 EA Drill 6" Diameter Core In 6" Brick Manhole.....	135.52	
02 41 19 13-0265 EA Drill 8" Diameter Core In 6" Brick Manhole.....	202.62	
02 41 19 13-0266 EA Drill 2" Diameter Core In 8" Concrete Manhole.....	135.75	
02 41 19 13-0267 EA Drill 3" Diameter Core In 8" Concrete Manhole.....	145.80	
02 41 19 13-0268 EA Drill 4" Diameter Core In 8" Concrete Manhole.....	161.67	
02 41 19 13-0269 EA Drill 5" Diameter Core In 8" Concrete Manhole.....	173.81	
02 41 19 13-0270 EA Drill 6" Diameter Core In 8" Concrete Manhole.....	205.49	
02 41 19 13-0271 EA Drill 8" Diameter Core In 8" Concrete Manhole.....	292.90	
02 41 19 13-0272 EA Drill 2" Diameter Core In Fiberglass Manhole.....	13.17	
02 41 19 13-0273 EA Drill 3" Diameter Core In Fiberglass Manhole.....	15.22	
02 41 19 13-0274 EA Drill 4" Diameter Core In Fiberglass Manhole.....	16.54	
02 41 19 13-0275 EA Drill 5" Diameter Core In Fiberglass Manhole.....	18.04	
02 41 19 13-0276 EA Drill 6" Diameter Core In Fiberglass Manhole.....	19.85	
02 41 19 13-0277 EA Drill 8" Diameter Core In Fiberglass Manhole.....	22.08	
<b>02 41 19 13-0278 Drilling In Concrete Per Inch Of Depth (02 41 19 13-0081)</b>		
Note: Includes layout.		
02 41 19 13-0279 IN 1/4" Diameter Drilling In Concrete Per Inch Of Depth.....	1.05	
02 41 19 13-0280 IN 3/8" Diameter Drilling In Concrete Per Inch Of Depth.....	1.10	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0281	IN		1/2" Diameter Drilling In Concrete Per Inch Of Depth.....	1.17	
02 41 19 13-0282	IN		5/8" Diameter Drilling In Concrete Per Inch Of Depth.....	1.25	
02 41 19 13-0283	IN		3/4" Diameter Drilling In Concrete Per Inch Of Depth.....	1.38	
02 41 19 13-0284	IN		7/8" Diameter Drilling In Concrete Per Inch Of Depth.....	1.48	
02 41 19 13-0285	IN		1" Diameter Drilling In Concrete Per Inch Of Depth.....	1.57	
02 41 19 13-0286	IN		1-1/4" Diameter Drilling In Concrete Per Inch Of Depth.....	1.73	
02 41 19 13-0287	IN		1-1/2" Diameter Drilling In Concrete Per Inch Of Depth.....	1.97	
<b>02 41 19 13-0288</b>			<b>Drilling In Brick/Concrete Block Per Inch Of Depth</b> (02 41 19 13-0081)		
			Note: Includes layout.		
02 41 19 13-0289	IN		1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	0.88	
02 41 19 13-0290	IN		3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	0.92	
02 41 19 13-0291	IN		1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	0.98	
02 41 19 13-0292	IN		5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	1.06	
02 41 19 13-0293	IN		3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	1.15	
02 41 19 13-0294	IN		7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	1.24	
02 41 19 13-0295	IN		1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	1.32	
02 41 19 13-0296	IN		1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	1.46	
02 41 19 13-0297	IN		1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	1.77	
<b>02 41 19 13-0298</b>			<b>Drilling In Wood Or Plastic Per Inch Of Depth</b> (02 41 19 13-0081)		
			Note: Includes layout.		
02 41 19 13-0299	IN		1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.43	
02 41 19 13-0300	IN		3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.46	
02 41 19 13-0301	IN		1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.49	
02 41 19 13-0302	IN		5/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.51	
02 41 19 13-0303	IN		3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.56	
02 41 19 13-0304	IN		7/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.61	
02 41 19 13-0305	IN		1" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.64	
02 41 19 13-0306	IN		1-1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.71	
02 41 19 13-0307	IN		1-1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.83	
<b>02 41 19 13-0308</b>			<b>Limestone Core Drilling</b> (02 41 19 13-0081)		
<b>02 41 19 13-0309</b>			<b>10" To 14" Thick Limestone Core Drilling</b> (02 41 19 13-0308)		
02 41 19 13-0310	EA		Drill 1" Diameter Core In 10" To 14" Limestone.....	30.74	
02 41 19 13-0311	EA		Drill 1-1/2" Diameter Core In 10" To 14" Limestone.....	37.18	
02 41 19 13-0312	EA		Drill 2" Diameter Core In 10" To 14" Limestone.....	40.82	
02 41 19 13-0313	EA		Drill 3" Diameter Core In 10" To 14" Limestone.....	48.11	
02 41 19 13-0314	EA		Drill 4" Diameter Core In 10" To 14" Limestone.....	55.58	
02 41 19 13-0315	EA		Drill 6" Diameter Core In 10" To 14" Limestone.....	77.02	
02 41 19 13-0316	EA		Drill 8" Diameter Core In 10" To 14" Limestone.....	125.34	
<b>02 41 19 13-0317</b>			<b>15" To 18" Thick Limestone Core Drilling</b> (02 41 19 13-0308)		
02 41 19 13-0318	EA		Drill 1" Diameter Core In 15" To 18" Limestone.....	34.12	
02 41 19 13-0319	EA		Drill 1-1/2" Diameter Core In 15" To 18" Limestone.....	40.73	
02 41 19 13-0320	EA		Drill 2" Diameter Core In 15" To 18" Limestone.....	44.55	
02 41 19 13-0321	EA		Drill 3" Diameter Core In 15" To 18" Limestone.....	49.41	
02 41 19 13-0322	EA		Drill 4" Diameter Core In 15" To 18" Limestone.....	65.62	
02 41 19 13-0323	EA		Drill 6" Diameter Core In 15" To 18" Limestone.....	84.63	
02 41 19 13-0324	EA		Drill 8" Diameter Core In 15" To 18" Limestone.....	133.72	
<b>02 41 19 13-0325</b>			<b>19" To 24" Thick Limestone Core Drilling</b> (02 41 19 13-0308)		
02 41 19 13-0326	EA		Drill 1" Diameter Core In 19" To 24" Limestone.....	37.41	
02 41 19 13-0327	EA		Drill 1-1/2" Diameter Core In 19" To 24" Limestone.....	44.18	
02 41 19 13-0328	EA		Drill 2" Diameter Core In 19" To 24" Limestone.....	48.17	
02 41 19 13-0329	EA		Drill 3" Diameter Core In 19" To 24" Limestone.....	56.12	
02 41 19 13-0330	EA		Drill 4" Diameter Core In 19" To 24" Limestone.....	78.26	
02 41 19 13-0331	EA		Drill 6" Diameter Core In 19" To 24" Limestone.....	97.61	
02 41 19 13-0332	EA		Drill 8" Diameter Core In 19" To 24" Limestone.....	144.62	
<b>02 41 19 13-0333</b>			<b>Minimum Charge For Core Drilling</b> (02 41 19 13-0081)		
02 41 19 13-0334	EA		Core Drill Minimum Charge.....	415.80	
			Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth".		
<b>02 41 19 13-0335</b>			<b>Cutouts</b> (02 41 19 13)		
			Note: Includes saw cutting and removal of material. Not to be used for openings greater than 24 SF.		
<b>02 41 19 13-0336</b>			<b>Reinforced Concrete Slab On Grade Cutouts</b> (02 41 19 13-0335)		
02 41 19 13-0337	SF		4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	22.78	
02 41 19 13-0338	SF		6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	24.16	

<b>02</b>	<b>Existing Conditions</b>
<b>02 40</b>	<b>Demolition And Structure Moving</b>
<b>02 41</b>	<b>Demolition</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0339 SF 8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF .....	25.54	
02 41 19 13-0340 SF 10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF .....	26.92	
02 41 19 13-0341 SF 12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF .....	27.61	
<b>02 41 19 13-0342 Reinforced Concrete Elevated Slab Cutouts (02 41 19 13-0335)</b>		
Note: Includes cutting and removing steel decking.		
02 41 19 13-0343 SF 4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF .....	27.76	
02 41 19 13-0344 SF 6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF .....	29.45	
02 41 19 13-0345 SF 8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF .....	31.13	
02 41 19 13-0346 SF 10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF .....	32.81	
02 41 19 13-0347 SF 12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF .....	33.65	
<b>02 41 19 13-0348 Reinforced Concrete Wall Cutouts (02 41 19 13-0335)</b>		
02 41 19 13-0349 SF 4" Thick Reinforced Concrete Wall Cutouts, <24 SF .....	28.47	
02 41 19 13-0350 SF 6" Thick Reinforced Concrete Wall Cutouts, <24 SF .....	30.20	
02 41 19 13-0351 SF 8" Thick Reinforced Concrete Wall Cutouts, <24 SF .....	31.92	
02 41 19 13-0352 SF 10" Thick Reinforced Concrete Wall Cutouts, <24 SF .....	33.65	
02 41 19 13-0353 SF 12" Thick Reinforced Concrete Wall Cutouts, <24 SF .....	34.52	
<b>02 41 19 13-0354 Brick Wall Cutouts (02 41 19 13-0335)</b>		
Note: Excludes tothing.		
02 41 19 13-0355 SF 4" Thick Brick Wall Cutouts, <24 SF .....	8.63	
02 41 19 13-0356 SF 6" Thick Brick Wall Cutouts, <24 SF .....	14.24	
02 41 19 13-0357 SF 8" Thick Brick Wall Cutouts, <24 SF .....	19.83	
02 41 19 13-0358 SF 10" Thick Brick Wall Cutouts, <24 SF .....	24.16	
02 41 19 13-0359 SF 12" Thick Brick Wall Cutouts, <24 SF .....	28.90	
02 41 19 13-0360 SF 16" Thick Brick Wall Cutouts, <24 SF .....	34.08	
<b>02 41 19 13-0361 Concrete Block Wall Cutouts (02 41 19 13-0335)</b>		
Note: Excludes tothing.		
02 41 19 13-0362 SF 4" Thick Concrete Block Wall Cutouts, <24 SF .....	14.27	
02 41 19 13-0363 SF 6" Thick Concrete Block Wall Cutouts, <24 SF .....	15.12	
02 41 19 13-0364 SF 8" Thick Concrete Block Wall Cutouts, <24 SF .....	15.97	
02 41 19 13-0365 SF 10" Thick Concrete Block Wall Cutouts, <24 SF .....	16.82	
02 41 19 13-0366 SF 12" Thick Concrete Block Wall Cutouts, <24 SF .....	17.26	
02 41 19 13-0367 SF 16" Thick Concrete Block Wall Cutouts, <24 SF .....	18.12	
<b>02 41 19 13-0368 Limestone Cutouts (02 41 19 13-0335)</b>		
02 41 19 13-0369 SF 2" Thick Limestone Cutouts, <24 SF .....	24.16	
02 41 19 13-0370 SF 4" Thick Limestone Cutouts, <24 SF .....	29.34	
02 41 19 13-0371 SF 6" Thick Limestone Cutouts, <24 SF .....	31.06	
02 41 19 13-0372 SF 8" Thick Limestone Cutouts, <24 SF .....	32.79	
02 41 19 13-0373 SF 10" Thick Limestone Cutouts, <24 SF .....	34.52	
02 41 19 13-0374 SF 12" Thick Limestone Cutouts, <24 SF .....	36.24	
<b>02 41 19 13-0375 Tothing Masonry Cutouts (02 41 19 13-0335)</b>		
Note: For use where existing masonry must be removed in a tothing pattern along horizontal and vertical mortar joints. VLF measurement includes all horizontal cutting.		
02 41 19 13-0376 VLF Brick, Soft Old Mortar, Tothing Masonry Cutouts .....	8.63	
02 41 19 13-0377 VLF Brick, Hard Mortar, Tothing Masonry Cutouts .....	11.65	
02 41 19 13-0378 VLF Concrete Block, Soft Old Mortar, Tothing Masonry Cutouts .....	5.18	
02 41 19 13-0379 VLF Concrete Block, Hard Mortar, Tothing Masonry Cutouts .....	6.90	
<b>02 41 19 13-0380 Minimum Charge For Cutouts (02 41 19 13-0335)</b>		
Note: For projects where the total cutouts charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0381 EA Cutouts Minimum Charge .....	172.57	
<b>02 41 19 16 Selective Interior Demolition (02 41 19)</b>		
Note: Includes break-up of material, loading into truck or dumpster and clean-up.		
<b>02 41 19 16-0001 Floor Removal (02 41 19 16)</b>		
<b>02 41 19 16-0002 Scarify Concrete (02 41 19 16-0001)</b>		
Note: Up to 1/4" removal per pass.		
02 41 19 16-0003 SF Scarify Concrete Floor .....	0.14	
02 41 19 16-0004 SF Scarify Concrete Tread And Riser .....	1.14	
02 41 19 16-0005 SF Scarify Concrete Wall .....	1.04	
<b>02 41 19 16-0006 Fireproofing Removal (02 41 19 16)</b>		
02 41 19 16-0007 SF Removal Of Fireproofing From Concrete Or Steel .....	0.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>02 41 19 16-0008 Demolish Ceiling</b> (02 41 19 16)		
02 41 19 16-0009 SF Demolish Drywall Ceiling.....	0.43	
02 41 19 16-0010 SF Demolish Furred Plastered Ceiling.....	1.00	
02 41 19 16-0011 SF Demolish Suspended Plastered Ceiling And Suspension System.....	0.76	
<b>02 41 19 16-0012 Demolish Concrete Stair</b> (02 41 19 16)		
02 41 19 16-0013 CF Demolish Interior Reinforced Concrete Stairs.....	3.62	
02 41 19 16-0014 CF Demolish Exterior Reinforced Concrete Stairs.....	3.15	
<b>02 41 19 16-0015 Demolish Interior Partition/Wall</b> (02 41 19 16) Note: Price includes knock down, loading, clean-up.		
<b>02 41 19 16-0016 Demolish Masonry And Concrete Interior Partition/Walls</b> (02 41 19 16-0015) Note: Includes saw cutting, knock down, loading and clean-up.		
<b>02 41 19 16-0017 Demolish Concrete Block Interior Partition/Walls</b> (02 41 19 16-0016)		
02 41 19 16-0018 SF Demolish 4" Thick Non Reinforced Concrete Block Interior Partition/Wall.....	2.35	
02 41 19 16-0019 SF Demolish 6" Thick Non Reinforced Concrete Block Interior Partition/Wall.....	2.50	
02 41 19 16-0020 SF Demolish 8" Thick Non Reinforced Concrete Block Interior Partition/Wall.....	2.82	
02 41 19 16-0021 SF Demolish 12" Thick Non Reinforced Concrete Block Interior Partition/Wall.....	3.62	
02 41 19 16-0022 SF Demolish 16" Thick Non Reinforced Concrete Block Interior Partition/Wall.....	4.53	
02 41 19 16-0023 SF Demolish 4" Thick Reinforced Concrete Block Interior Partition/Wall.....	2.81	
02 41 19 16-0024 SF Demolish 6" Thick Reinforced Concrete Block Interior Partition/Wall.....	3.01	
02 41 19 16-0025 SF Demolish 8" Thick Reinforced Concrete Block Interior Partition/Wall.....	3.39	
02 41 19 16-0026 SF Demolish 12" Thick Reinforced Concrete Block Interior Partition/Wall.....	4.35	
02 41 19 16-0027 SF Demolish 16" Thick Reinforced Concrete Block Interior Partition/Wall.....	5.44	
<b>02 41 19 16-0028 Demolish Brick Interior Partition/Walls</b> (02 41 19 16-0016)		
02 41 19 16-0029 SF Demolish 4" Thick Brick Interior Partition/Wall.....	2.35	
02 41 19 16-0030 SF Demolish 8" Thick Brick Interior Partition/Wall.....	2.82	
02 41 19 16-0031 SF Demolish 12" Thick Brick Interior Partition/Wall.....	3.62	
02 41 19 16-0032 SF Demolish 16" Thick Brick Interior Partition/Wall.....	4.53	
<b>02 41 19 16-0033 Demolish Glass Block Interior Partition/Walls</b> (02 41 19 16-0016)		
02 41 19 16-0034 SF Demolish Glass Block Interior Partition/Walls.....	2.01	
<b>02 41 19 16-0035 Demolish Concrete Interior Partition/Walls</b> (02 41 19 16-0016) See CSI section 02 41 16 13-0021 for concrete foundation demolition.		
02 41 19 16-0036 SF Demolish 6" Thick Non Reinforced Concrete Interior Partition/Wall.....	4.27	
02 41 19 16-0037 SF Demolish 8" Thick Non Reinforced Concrete Interior Partition/Wall.....	5.33	
02 41 19 16-0038 SF Demolish 12" Thick Non Reinforced Concrete Interior Partition/Wall.....	7.46	
02 41 19 16-0039 SF Demolish 6" Thick Reinforced Concrete Interior Partition/Wall.....	5.12	
02 41 19 16-0040 SF Demolish 8" Thick Reinforced Concrete Interior Partition/Wall.....	6.44	
02 41 19 16-0041 SF Demolish 12" Thick Reinforced Concrete Interior Partition/Wall.....	8.96	
<b>02 41 19 16-0042 Demolish Terra-Cotta Block Interior Partition/Walls</b> (02 41 19 16-0016)		
02 41 19 16-0043 SF Demolish Up To 6" Thick Terra-Cotta Block Interior Partition/Wall Finished With Plaster.....	0.81	
<b>02 41 19 16-0044 Demolish Stud Framed Interior Partition/Walls</b> (02 41 19 16-0015) Note: Includes knock down, loading and clean-up. Includes demo of insulation if required.		
02 41 19 16-0045 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 1 Side.....	1.41	
For Heights >14' To 20', Add	0.21	
For Heights >20', Add	0.28	
02 41 19 16-0046 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 2 Sides.....	1.65	
For Heights >14' To 20', Add	0.25	
For Heights >20', Add	0.33	
02 41 19 16-0047 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 1 Side.....	1.81	
For Heights >14' To 20', Add	0.27	
For Heights >20', Add	0.36	
02 41 19 16-0048 SF Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 2 Sides.....	2.52	
For Heights >14' To 20', Add	0.38	
For Heights >20', Add	0.50	
02 41 19 16-0049 SF Demolish Plaster And Lath From 1 Side Of An Interior Partition/Wall.....	0.74	
For Heights >14' To 20', Add	0.11	
For Heights >20', Add	0.15	
02 41 19 16-0050 SF Demolish Plaster And Lath From 2 Sides Of An Interior Partition/Wall.....	0.88	
For Heights >14' To 20', Add	0.13	
For Heights >20', Add	0.18	

**02 42 Removal And Salvage Of Construction Materials** (02 40)

**02 42 21 Salvage of Construction Materials** (02 42)

Note: Salvage tasks include placement on pallets and storage on site.

**02 Existing Conditions****02 40 Demolition And Structure Moving****02 42 Removal And Salvage Of Construction Materials**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**02 42 21 35 Roofing Salvage (02 42 21)**

02 42 21 35-0001	Clay Tile Roof Remove And Salvage For Re-use (02 42 21 35)		
	Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.		
02 42 21 35-0002	SQ Removal Of Clay Roof Tile, Salvage For Re-use.....	129.76	

**02 42 21 47 Flooring Salvage (02 42 21)**

02 42 21 47-0001	Remove And Salvage For Re-Use (02 42 21 47)		
	Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.		
02 42 21 47-0002	SF Removal Of Brick Flooring And Salvage.....	1.18	
02 42 21 47-0003	SF Removal Of Ceramic/Quarry Tile Floor And Salvage.....	1.18	
02 42 21 47-0004	SF Removal Of Terrazzo Flooring And Salvage.....	1.63	
02 42 21 47-0005	SF Removal Of Wood Strip Flooring And Salvage.....	0.96	
02 42 21 47-0006	SF Removal Of Wood Parquet Flooring And Salvage.....	0.50	
02 42 21 47-0007	SF Removal Of Resilient/Linoleum Flooring And Salvage.....	0.36	

**02 43 Structure Moving (02 40)****02 43 13 Structure Relocation (02 43)**

Note: Includes disconnection of utilities, moving of structure, one day move (excludes travel expenses and lodging), up to 24' wide. Reset on new foundations and hook up to utilities.

**02 43 13 13 Building Relocation (02 43 13)**

02 43 13 13-0001	Move Relocatable Structures (Trailer, Mobile Facilities, etc.), Complete (02 43 13)		
	Note: Includes disconnect portable from foundation, separate relocatable unit and attachments as needed for transport, secure all relocatable attachments (awnings, steps, ramps, railing, etc.) for transport, transport relocatable and attachments to new location, including permits and police escort, connect to foundation per approved specifications/details, including welding and/or hurricane anchoring as needed.		
02 43 13 13-0002	SF Up To 800 SF, Move Relocatable Metal Frame Building.....	17.29	
02 43 13 13-0003	SF >800 To 920 SF, Move Relocatable Metal Frame Building.....	16.35	
02 43 13 13-0004	SF >920 SF, Move Relocatable Metal Frame Building.....	15.30	
02 43 13 13-0005	SF Up To 800 SF, Move Relocatable Wood Frame Building.....	13.87	
02 43 13 13-0006	SF >800 To 920 SF, Move Relocatable Wood Frame Building.....	12.97	
02 43 13 13-0007	SF >920 SF, Move Relocatable Wood Frame Building.....	11.47	
02 43 13 13-0008	SF Up To 800 SF, Move Relocatable Wood/Metal Frame Building.....	16.81	
02 43 13 13-0009	SF >800 To 920 SF, Move Relocatable Wood/Metal Frame Building.....	15.30	
02 43 13 13-0010	SF >920 SF, Move Relocatable Wood/Metal Frame Building.....	12.97	

**02 50 Site Remediation (02)****02 58 Snow Control (02 50)****02 58 13 Snow Fencing (02 58)**

02 58 13 00-0001	Snow/Sand Fence On Steel Posts (02 58 13)		
02 58 13 00-0002	LF Steel Fence Post, 10' On Center With 4' Wood Snow/Sand Fence.....	3.78	0.94

**02 60 Contaminated Site Material Removal (02)****02 61 Removal And Disposal Of Contaminated Soils (02 60)****02 61 13 Excavation And Handling Of Contaminated Material (02 61)**

See CSI section 31 23 16 00-0000 for excavation.

02 61 13 00-0001	Excavate Petroleum Contaminated Soil (02 61 13)		
02 61 13 00-0002	CY Excavate Petroleum Contaminated Soil.....	6.91	
	Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.		
02 61 13 00-0003	CY Load Excavated Petroleum Contaminated Soil.....	4.21	
02 61 13 00-0004	CY Disposal Fees Of Petroleum Contaminated Soil.....	70.17	
02 61 13 00-0005	Accessories For Contaminated Soil Stockpile (02 61 13)		
	See CSI section 31 25 14 23-0001 for sand bags.		
02 61 13 00-0006	SF 30 Mil Liner For Contaminated Soil Storage.....	0.75	
	Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.		
02 61 13 00-0007	SF 10 Mil Liner For Contaminated Soil Storage.....	0.44	
	Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.		

**02 61 26 Removal and Disposal of Asbestos Contaminated Soils (02 61)**

Note: Tasks include materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

<b>02 61 26 00-0001</b>	<b>Removal and Disposal of Asbestos Contaminated Soils</b> <small>(02 61 26)</small>	
	Note: Tasks include materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.	
02 61 26 00-0002	EA Up To 10 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal .....	575.94
	<i>For Work In Restricted Working Space, Add</i>	172.78
02 61 26 00-0003	CF >10 To 100 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal.....	38.18
	<i>For Work In Restricted Working Space, Add</i>	11.45
02 61 26 00-0004	CF >100 To 250 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal.....	25.45
	<i>For Work In Restricted Working Space, Add</i>	7.64
02 61 26 00-0005	CF >250 To 500 CF, Asbestos Contaminated Asbestos Abatement And Disposal.....	19.12
02 61 26 00-0006	CF >500 To 2,500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal.....	15.27
	<i>For Work In Restricted Working Space, Add</i>	4.58
02 61 26 00-0007	CF >2,500 To 10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal.....	12.98
	<i>For Work In Restricted Working Space, Add</i>	3.89
02 61 26 00-0008	CF >10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal.....	11.68
	<i>For Work In Restricted Working Space, Add</i>	3.50

## 02 62 Hazardous Waste Recovery Process (02 60)

### 02 62 16 Soil Vapor Extraction (02 62)

02 62 16 00-0001	Active And Passive Trench System <small>(02 62 16)</small>	
02 62 16 00-0002	Vertical Leachate And Gas Collection Pipe Well <small>(02 62 16 00-0001)</small>	
	Note: Includes drilling 24" diameter well, 20' non-perforated 4" pipe with 3' telescoping above grade, backfill with washed rock, lower and upper perm seal and compacted soil sections.	
02 62 16 00-0003	VLF Drill 24" Diameter LFG Well To 17" Depth.....	122.37
02 62 16 00-0004	VLF For Each Additional VLF Over 17" Drill 24" Diameter LFG Well .....	62.95

### 02 62 16 00-0005 Leachate And Gas Transfer Pipe (02 62 16 00-0001)

02 62 16 00-0006	High Density Polyethylene Pipe, Laterals <small>(02 62 16 00-0005)</small>	
	Note: Heat fusion connections with pipe and fittings.	
02 62 16 00-0007	LF 3" Diameter High Density Polyethylene Pipe - SDR 17 With Fittings.....	9.91
02 62 16 00-0008	LF 4" Diameter High Density Polyethylene Pipe - SDR 17 With Fittings.....	11.62
02 62 16 00-0009	LF 6" Diameter High Density Polyethylene Pipe - SDR 17 With Fittings.....	15.99
02 62 16 00-0010	LF 8" Diameter High Density Polyethylene Pipe - SDR 17 With Fittings.....	23.69
02 62 16 00-0011	LF 10" Diameter High Density Polyethylene Pipe - SDR 17 With Fittings.....	31.82
02 62 16 00-0012	LF 12" Diameter High Density Polyethylene Pipe - SDR 17 With Fittings.....	41.02
02 62 16 00-0013	EA Monitoring And Control Assembly.....	1,380.46
02 62 16 00-0014	EA 3" Header Valve Assembly .....	675.50
02 62 16 00-0015	EA 4" Header Valve Assembly .....	1,059.92
02 62 16 00-0016	EA 6" Header Valve Assembly .....	1,560.43
02 62 16 00-0017	EA 8" Header Valve Assembly .....	2,308.69
02 62 16 00-0018	EA Condensate Sump Assembly.....	15,191.91
02 62 16 00-0019	EA Header Monitoring Port Assembly .....	818.80

### 02 62 16 00-0020 Chemical Resistant Sump And Manhole (02 62 16 00-0001)

02 62 16 00-0021	High Density Polyethylene Manholes <small>(02 62 16 00-0020)</small>	
02 62 16 00-0022	EA 27" Diameter Concrete Filled Polyethylene Lid Stainless Steel Handle.....	168.86
02 62 16 00-0023	EA 4" Diameter, 2" High Riser Section With Or Without Steps.....	311.93
02 62 16 00-0024	EA 3.25" High x 4" Diameter Upper Unit With Or Without Steps.....	545.05
02 62 16 00-0025	EA 4.25" High x 4" Diameter Upper Unit With Or Without Steps.....	661.78
02 62 16 00-0026	EA 3" High x 4" Diameter Manhole Base - No Outlets.....	549.46
02 62 16 00-0027	EA 12" Inlet/Outlet - Factory Attached.....	203.59
02 62 16 00-0028	EA 15" Inlet/Outlet - Factory Attached.....	313.98
02 62 16 00-0029	EA 18" Inlet/Outlet - Factory Attached.....	347.61
02 62 16 00-0030	EA 24" Inlet/Outlet - Factory Attached.....	411.01
02 62 16 00-0031	EA 30" Inlet/Outlet - Factory Attached.....	468.95
02 62 16 00-0032	EA 36" Inlet/Outlet - Factory Attached.....	550.39
02 62 16 00-0033	EA 4" Inlet Gasket - To Attach Leachate Transport Pipe.....	9.64
02 62 16 00-0034	EA 6" Inlet Gasket - To Attach Leachate Transport Pipe.....	12.87
02 62 16 00-0035	EA 8" Inlet Gasket - To Attach Leachate Transport Pipe.....	16.08
02 62 16 00-0036	EA 10" Inlet Gasket - To Attach Leachate Transport Pipe.....	24.10
02 62 16 00-0037	EA 12" Inlet Gasket - To Attach Leachate Transport Pipe.....	30.54
02 62 16 00-0038	EA Additional Penetrations Into Manhole .....	192.56

### 02 62 16 00-0039 High Density Polyethylene Sumps (02 62 16 00-0020)

02 62 16 00-0040	EA 42" Diameter Riser Sump With 30" Or 22-1/2" Diameter Neck.....	1,175.66
02 62 16 00-0041	EA 2" Riser Sump Extension - 22-1/2" Or 30" Diameter .....	406.50
02 62 16 00-0042	EA 48" Sump Base.....	344.12

**02 Existing Conditions****02 60 Contaminated Site Material Removal****02 62 Hazardous Waste Recovery Process**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 62 16 00-0043 EA 30" Sump Cover.....	231.80	
02 62 16 00-0044 EA 22" Sump Cover.....	207.73	
02 62 16 00-0045 EA Riser Sump To Base Seal.....	207.73	
02 62 16 00-0046 EA Riser Sump To Extension Seal.....	149.96	
02 62 16 00-0047 EA 2" Conduit Grommet - Box Of 6 .....	238.41	
02 62 16 00-0048 EA 4" Conduit Grommet - Box Of 6 .....	292.38	
02 62 16 00-0049 EA 6" Conduit Grommet - Box Of 6 .....	406.98	
<b>02 62 16 00-0050 Leachate And Gas Collection Pipe</b> (02 62 16 00-0001)		
<b>02 62 16 00-0051 Slotted Polyvinyl Chloride (PVC)</b> (02 62 16 00-0050)		
Note: Number of rows of slots, slot spacing and slot width can vary to give required outside diameter intake area. Slot width and spacing varies.		
02 62 16 00-0052 LF 2" Diameter, Schedule 40, 2 To 3 Rows Of Slots .....	4.44	
02 62 16 00-0053 LF 4" Diameter, Schedule 40, 2 To 4 Rows Of Slots .....	7.27	
02 62 16 00-0054 LF 6" Diameter, Schedule 40, 2 To 6 Rows Of Slots .....	10.75	
02 62 16 00-0055 LF 8" Diameter, Schedule 40, 2 To 6 Rows Of Slots .....	17.20	
02 62 16 00-0056 LF 10" Diameter, Schedule 40, 2 To 8 Rows Of Slots .....	25.49	
02 62 16 00-0057 LF 12" Diameter, Schedule 40, 2 To 10 Rows Of Slots .....	36.35	
<b>02 62 16 00-0058 Sheet Drainage Systems</b> (02 62 16)		
Note: Made of 2 sets of parallel strands. Intersecting strands form two overlaid sets of continuous deep channels.		
<b>02 62 16 00-0059 Drainage Nets And Composites</b> (02 62 16 00-0058)		
<b>02 62 16 00-0060 Polyethylene Drainage Nets</b> (02 62 16 00-0059)		
02 62 16 00-0061 SF Drainage Net - 1/4" Thick High Density Polyethylene .....	0.48	
02 62 16 00-0062 SF Drainage Net With Geotextile Fabric Heat Bonded To One Side.....	1.70	
02 62 16 00-0063 SF Drainage Net With Geotextile Fabric Heat Bonded To Both Sides .....	1.97	
<b>02 62 16 00-0064 Gas Interception Networks</b> (02 62 16)		
<b>02 62 16 00-0065 Gas Treatment</b> (02 62 16 00-0064)		
<b>02 62 16 00-0066 Flares</b> (02 62 16 00-0065)		
Note: These are basic flare prices and exclude controls and auxiliary equipment. The basic price will be approximately 25% of the total cost of the unit complete with controls, auxiliary equipment, piping, setup, etc.		
02 62 16 00-0067 EA 2.25 Million BTU/Hour Landfill Flare .....	40,045.74	
02 62 16 00-0068 EA 7.5 Million BTU/Hour Landfill Flare .....	50,991.59	
02 62 16 00-0069 EA 10.5 Million BTU/Hour Landfill Flare .....	66,649.51	
02 62 16 00-0070 EA 22.5 Million BTU/Hour Landfill Flare .....	135,105.06	
02 62 16 00-0071 EA 30 Million BTU/Hour Landfill Flare .....	156,829.24	
02 62 16 00-0072 EA 36 Million BTU/Hour Landfill Flare .....	178,977.78	
<b>02 62 16 00-0073 Gas Scrubbers</b> (02 62 16 00-0064)		
<b>02 62 16 00-0074 Single Stage Gas Scrubbers</b> (02 62 16 00-0073)		
Note: Unit is flange to flange, carbon steel construction. Includes ecosphere packing (HDPE), mist eliminator section, internal spray nozzle, access doors and differential pressure gauge.		
02 62 16 00-0075 EA 1,500 CFM Fluidized Bed Gas Scrubber - Single Stage .....	32,813.87	
02 62 16 00-0076 EA 4,400 CFM Fluidized Bed Gas Scrubber - Single Stage .....	44,631.06	
02 62 16 00-0077 EA 5,800 CFM Fluidized Bed Gas Scrubber - Single Stage .....	47,285.69	
02 62 16 00-0078 EA 7,700 CFM Fluidized Bed Gas Scrubber - Single Stage .....	50,904.52	
02 62 16 00-0079 EA 9,600 CFM Fluidized Bed Gas Scrubber - Single Stage .....	55,227.82	
02 62 16 00-0080 EA 12,000 CFM Fluidized Bed Gas Scrubber - Single Stage .....	58,688.45	
02 62 16 00-0081 EA 17,000 CFM Fluidized Bed Gas Scrubber - Single Stage .....	63,486.78	
02 62 16 00-0082 EA 23,600 CFM Fluidized Bed Gas Scrubber - Single Stage .....	68,249.82	
02 62 16 00-0083 EA 30,200 CFM Fluidized Bed Gas Scrubber - Single Stage .....	72,680.31	
02 62 16 00-0084 EA 38,700 CFM Fluidized Bed Gas Scrubber - Single Stage .....	82,582.03	
02 62 16 00-0085 EA 47,200 CFM Fluidized Bed Gas Scrubber - Single Stage .....	94,044.03	
02 62 16 00-0086 EA 58,000 CFM Fluidized Bed Gas Scrubber - Single Stage .....	101,768.92	
02 62 16 00-0087 EA 79,700 CFM Fluidized Bed Gas Scrubber - Single Stage .....	116,076.65	
02 62 16 00-0088 EA 90,900 CFM Fluidized Bed Gas Scrubber - Single Stage .....	122,129.28	
02 62 16 00-0089 EA 113,300 CFM Fluidized Bed Gas Scrubber - Single Stage .....	131,935.94	
02 62 16 00-0090 EA 3,000 CFM Fluidized Bed Gas Scrubber - Single Stage .....	41,891.83	
<b>02 62 16 00-0091 Gas Collection</b> (02 62 16 00-0064)		
<b>02 62 16 00-0092 Vacuum Blowers</b> (02 62 16 00-0091)		
Note: Aluminum wheel with clean-out door, drain and plug. 60 Hertz, 230/460V, 3600 rpm, TEFC, 184T. As manufactured by New York Blower Fans.		
02 62 16 00-0093 EA 5 HP New York Blower, Pressure Blower Size 2204, Arrangement 4 3 Phase, 60 Hertz, 230/460 Volt, 3,600 rpm, TEFC, 184T.....	3,277.75	
For Silencer Option, Add		360.00
02 62 16 00-0094 EA 5 HP New York Blower, Pressure Blower Size 2206, Arrangement 4 3 Phase, 60 Hertz, 230/460 Volt, 3,600 rpm, TEFC, 184T.....	3,288.24	
For Silencer Option, Add		386.00



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 62 16 00-0095	EA	5 HP New York Blower, Pressure Blower Size 2606, Arrangement 4 3 Phase, 60 Hertz, 230/460 Volt, 3,600 rpm, TEFC, 184T <i>For Silencer Option, Add</i>	3,681.08 420.00	
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**02 62 16 00-0096 Vacuum Blowers And Compressors** (02 62 16 00-0091)

Note: Heavy duty rotary blowers packaged with silencer, filter, drive and motor. Unit is mounted and interconnected all on the same base.

02 62 16 00-0097	EA	Positive Displacement Blower, 4.9 Max. HP, 48 CFM	5,149.43	
02 62 16 00-0098	EA	Positive Displacement Blower, 5.6 Max. HP, 111 CFM	5,653.44	
02 62 16 00-0099	EA	Positive Displacement Blower, 12.2 Max. HP, 143 CFM	6,488.89	
02 62 16 00-0100	EA	Positive Displacement Blower, 11.8 Max. HP, 271 CFM	6,751.07	
02 62 16 00-0101	EA	Positive Displacement Blower, 15 Max. HP, 134 CFM	6,252.03	
02 62 16 00-0102	EA	Positive Displacement Blower, 19.7 Max. HP, 278 CFM	7,266.15	
02 62 16 00-0103	EA	Positive Displacement Blower, 18.3 Max. HP, 399 CFM	7,821.51	
02 62 16 00-0104	EA	Positive Displacement Blower, 254 Max. HP, 247 CFM	8,869.33	
02 62 16 00-0105	EA	Positive Displacement Blower, 28.3 Max. HP., 427 CFM	10,817.34	
02 62 16 00-0106	EA	Positive Displacement Blower, 29 Max. HP, 665 CFM	11,011.50	
02 62 16 00-0107	EA	Positive Displacement Blower, 38.8 Max. HP, 393 CFM	11,993.90	
02 62 16 00-0108	EA	Positive Displacement Blower, 49.6 Max. HP, 615 CFM	15,719.84	
02 62 16 00-0109	EA	Positive Displacement Blower, 46.5 Max. HP, 1,248 CFM	17,377.61	
02 62 16 00-0110	EA	Positive Displacement Blower, 55 Max. HP, 574 CFM	18,086.85	
02 62 16 00-0111	EA	Positive Displacement Blower, 67.1 Max. HP, 1,071 CFM	21,511.58	
02 62 16 00-0112	EA	Positive Displacement Blower, 65.5 Max. HP, 1,878 CFM	24,451.34	

**02 62 16 00-0113 Fugitive Dust, Vapor And Gas Emissions Control** (02 62 16)

**02 62 16 00-0114 Sprayed Dust Suppressants** (02 62 16 00-0113)

Note: Overall dust suppression reflects treatment of unpaved haul roads and parking lots and similar surfaces. Overall erosion control reflects stabilizing road shoulders and slopes. Excludes water costs.

02 62 16 00-0115	SY	Overall Dust Suppression And Erosion Control, Tree Sap Based Sprayed Dust Suppressant	2.25	
02 62 16 00-0116	SY	Erosion Control For Landfill Cap	2.41	
02 62 16 00-0117	SY	Stockpile Dust Suppression Tree Sap Based Dust Suppressant	2.41	
02 62 16 00-0118	SY	Periodic Maintenance Application Tree Sap Based Sprayed Dust Suppressant	2.09	
02 62 16 00-0119	SY	Overall Dust Suppression And Erosion Control, Chloride Based Sprayed Dust Suppressant	2.30	
02 62 16 00-0120	SY	Erosion Control For Landfill Cap Chloride Based Sprayed Dust Suppressant	2.64	
02 62 16 00-0121	SY	Stockpile Dust Suppression, Chloride Based Sprayed Dust Suppressant	2.46	
02 62 16 00-0122	SY	Periodic Maintenance Application Chloride Based Sprayed Dust Suppressant	2.12	
02 62 16 00-0123	SY	Overall Dust Suppression And Erosion Control, Oil Emulsion Sprayed Dust Suppressant	2.54	
02 62 16 00-0124	SY	Erosion Control For Landfill Cap	3.18	
02 62 16 00-0125	SY	Stockpile Dust Suppression, Oil Emulsion Sprayed Dust Suppressant	2.84	
02 62 16 00-0126	SY	Periodic Maintenance Application Oil Emulsion Sprayed Dust Suppressant	2.22	
02 62 16 00-0127	SY	Overall Dust Suppression And Erosion Control, Asphalt Emulsion Sprayed Dust Suppressant	2.80	
02 62 16 00-0128	SY	Erosion Control For Landfill Cap Asphalt Emulsion Sprayed Dust Suppressant	3.51	
02 62 16 00-0129	SY	Stockpile Dust Suppression, Asphalt Emulsion Sprayed Dust Suppressant	3.14	
02 62 16 00-0130	SY	Periodic Maintenance Application Asphalt Emulsion Sprayed Dust Suppressant	2.46	
02 62 16 00-0131	SY	Overall Dust Suppression And Erosion Control, Lignosulphonate Sprayed Dust Suppressant	2.27	
02 62 16 00-0132	SY	Erosion Control For Landfill Cap Lignosulphonate Sprayed Dust Suppressant	2.60	
02 62 16 00-0133	SY	Stockpile Dust Suppression, Lignosulphonate Sprayed Dust Suppressant	2.43	
02 62 16 00-0134	SY	Periodic Maintenance Application Lignosulphonate Sprayed Dust Suppressant	2.12	

**02 62 16 00-0135 Synthetic Covers Over Waste Piles** (02 62 16 00-0135)

**02 62 16 00-0136 Plastic Waste Pile Covers** (02 62 16 00-0135)

02 62 16 00-0137	SF	Plastic Laminate Waste Pile Cover, 130 LB Tear Strength, 1 To 1-1/2 Year Outdoor Life Expectancy	0.21	
02 62 16 00-0138	SF	Plastic Laminate Waste Pile Cover, 185 LB Tear Strength, 3 To 4 Year Outdoor Life Expectancy	0.50	
02 62 16 00-0139	SF	Plastic Laminate Waste Pile Cover, 250 LB Tear Strength, 4 To 5 Year Outdoor Life Expectancy	0.67	
02 62 16 00-0140	LF	Add For Cover Drawstring	0.80	
02 62 16 00-0141	EA	Add For Metal Grommets Used With Tie-downs	0.83	
02 62 16 00-0142	SF	Plastic Laminate Waste Pile Cover, 135 LB Tear Strength, 2 To 2-1/2 Year Outdoor Life Expectancy	0.29	

**02 65 Underground Storage Tank Removal** (02 60)

Note: Petroleum gasoline is classified as a hazardous material; fuel oil is considered a non-hazardous material. See CSI section 01 74 19 00-0032 for hauling, 31 20 00 00-0000 for non-contaminated soil excavation, 31 23 16 00-0000 for excavation, 31 41 00 00-0000 for shoring.

**02 65 00 00-0001 Monitoring, Sampling, Testing And Analysis** (02 65)

**02 65 00 00-0002 Field Samples For Testing Underground Storage Tank** (02 65 00 00-0001)

02 65 00 00-0003	EA	Collection Of Sludge Sample For Underground Storage Tank	23.39	
02 65 00 00-0004	EA	Collection Of Pumpable Liquids Sample For Underground Storage Tank	23.39	
02 65 00 00-0005	EA	Collection Of Contaminated Soil Sample	23.39	

**02 65 00 00-0006 Lab Tests For Underground Storage Tank Removal** (02 65 00 00-0001)

Note: Includes lab test fees, reports, shipping, handling, chain of custody documents and disposal of sample.

02 65 00 00-0007	EA	Lab Test - Benzene, Toluene, Ethylbenzene, Xylene 8020	113.44	
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Note: The cost is for the in-lab test for Benzene, Toluene, Ethylbenzene, And Xylene using procedure 8020 as detailed in EPA SW-846.



**02 Existing Conditions****02 60 Contaminated Site Material Removal****02 65 Underground Storage Tank Removal**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0008 EA Lab Test - Flashpoint .....	44.12	
Note: The cost is for the in-lab test for the flashpoint using procedure 40CFR 261.21 as detailed in EPA SW-846.		
02 65 00 00-0009 EA Lab Test - TOX 9020 .....	106.13	
Note: The cost is for the in-lab test for total organic halides using procedure 9020 as detailed in EPA SW-846.		
02 65 00 00-0010 EA Lab Test - TPH 8015 Modified .....	113.44	
Note: The cost is for the in-lab test for total petroleum hydrocarbons by gas chromatography using procedure 8015 Mod. as detailed in EPA SW-846.		
02 65 00 00-0011 EA Lab Test - TRPH 418.1 .....	88.24	
Note: The cost is for the in-lab test for total recoverable petroleum hydrocarbons using procedure 418.1 as detailed in EPA SW-846.		
02 65 00 00-0012 EA Lab Test - VOC .....	239.50	
Note: The cost is for the in-lab test for volatile organics using procedure 8240 as detailed in EPA SW-846.		
02 65 00 00-0013 EA Lab Test - Semi-Volatile Organic .....	441.18	
Note: The cost is for the in-lab test for semi-volatile organics using procedure 8270 as detailed in EPA SW-846.		
02 65 00 00-0014 EA Lab Test - Oil And Grease 413.1 .....	53.06	
Note: The cost is for the in-lab test for oil and grease using procedure 413.1 as detailed in EPA SW-846.		
02 65 00 00-0015 EA Lab Test - TCLP (Extraction) - Metals.....	94.54	
Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.		
02 65 00 00-0016 EA Lab Test - TCLP (Extraction) - Semi-Volatile Organic.....	126.05	
Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.		
02 65 00 00-0017 EA Lab Test - Metals 6010 RCRA .....	141.18	
Note: The cost is for the in-lab test for metals using procedure 6010 RCRA as detailed in EPA SW-846.		
02 65 00 00-0018 EA Lab Test - Metals (Arsenic) 7060 .....	18.91	
Note: The cost is for the in-lab test for the metal arsenic using procedure 7060 as detailed in EPA SW-846.		
02 65 00 00-0019 EA Lab Test - Metals (Selenium) 7740 .....	18.91	
Note: The cost is for the in-lab test for the metal selenium (SE) using procedure 7740 as detailed in EPA SW-846.		
02 65 00 00-0020 EA Lab Test - Metals (Lead) 7421 .....	18.91	
Note: The cost is for the in-lab test for the metal lead using procedure 7421 as detailed in EPA SW-846.		
02 65 00 00-0021 EA Lab Test - Metals (Mercury) 7470 .....	35.29	
Note: The cost is for the in-lab test for the metal mercury using procedure 7470 as detailed in EPA SW-846.		
02 65 00 00-0022 EA Lab Test - PNA/PAH 8100 .....	201.68	
Note: The cost is for the in-lab test for polynuclear aromatic hydrocarbons using procedure 8100 as detailed in EPA SW-846.		
02 65 00 00-0023 EA Lab Test - Fuel Id ASTM D3328-78 .....	72.96	
Note: The cost is for the in-lab test to determine the constituents of fuel using the procedure as detailed in ASTM D3328-78.		
02 65 00 00-0024 EA Lab Test - pH .....	15.13	
02 65 00 00-0025 EA Lab Test - Polychlorinated Biphenyl (PCB) In Wastewater .....	189.08	
02 65 00 00-0026 EA Lab Test - Methyl Tertiary Butyl Ether (MTBE) .....	113.44	
<b>02 65 00 00-0027 Tests, Surveys And Maintenance For Underground Storage Tank (02 65 00 00-0001)</b>		
02 65 00 00-0028 EA Site Survey For AST/UST Location By Certified Tank Installer.....	987.66	
Note: Includes testing Pump output both tank and dispenser, Calibrate pump dispenser if needed, Check all sumps both tank and dispenser, check all fitting connections for leaks and check wiring connection for possible malfunction or safety hazard, check seals on caps for fill tube, check overflow performance for safety shutdown, check all hoses and pump handle, check break-away couplings, complete written report on all data found.		
02 65 00 00-0029 EA Check Cathodic Protection - Impressed Current Systems And Sacrificial Anode Systems .....	154.01	
Note: By Certified Technician. Write report of findings for action if needed		
02 65 00 00-0030 EA Check And Report On Monitor Probes.....	36.47	
Note: By Certified Technician		
02 65 00 00-0031 EA Tank Monitoring System: Check System Per Manufacturer's Specification By Certified Technician With Written Report.....	267.19	
Note: Including pass / fail; paper feed operational paper installed etc.; and status of inspection repairs needed etc.		
02 65 00 00-0032 EA Replace Anode On Impressed System .....	94.64	
02 65 00 00-0033 EA Replace Power Converter On Impressed System On Underground Storage Tank .....	136.17	
02 65 00 00-0034 EA Replace Monitor Probes On Underground Storage Tank .....	195.08	
02 65 00 00-0035 EA Ultrasonic Test On Underground Storage Tank .....	75.43	
<b>02 65 00 00-0036 Tests And Sampling Labor Hours (02 65 00 00-0001)</b>		
02 65 00 00-0037 HR Certified Tank Installer For Underground Storage Tank .....	69.13	
02 65 00 00-0038 HR Certified Geologist/Environmentalist .....	113.28	
02 65 00 00-0039 HR Hourly Office Work For Reports Required For EPA On Underground Storage Tank .....	118.17	
Note: Includes title searches, well survey data, site drawings, submitting preliminary work, etc. Hours not to be used in association with other tasks performed.		
<b>02 65 00 00-0040 Remove Tank Contents (02 65)</b>		
<b>02 65 00 00-0041 Transfer Liquid (02 65 00 00-0040)</b>		
Note: For use to transfer liquids from one tank to another.		
02 65 00 00-0042 GAL Transfer Reusable Liquid To Different Tank .....	0.38	
Note: Per gallon of material transferred.		
<b>02 65 00 00-0043 Remove And Dispose Of Liquid From Tank (02 65 00 00-0040)</b>		
02 65 00 00-0044 GAL Removal and Disposal Of Hazardous Liquids From Tank .....	1.22	
02 65 00 00-0045 GAL Removal and Disposal Of Non Hazardous Liquid From Tank.....	0.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>02 65 00 00-0046</b> <b>Remove And Dispose Of Solids Or Sludge</b> <small>(02 65 00 00-0040)</small> Note: Includes scraping and solidifying agent.		
02 65 00 00-0047      GAL    Removal and Disposal Of Hazardous Solids Or Sludge From Tank.....	3.40	
02 65 00 00-0048      GAL    Removal and Disposal Of Non Hazardous Solids Or Sludge From Tank.....	0.89	
<b>02 65 00 00-0049</b> <b>Purge Vapors, Open And Clean Tank</b> <small>(02 65)</small>		
<b>02 65 00 00-0050</b> <b>Purge Vapors</b> <small>(02 65 00 00-0049)</small>		
02 65 00 00-0051      LB    Purge Tank Using Dry Ice..... Note: Approximately 1.5 To 3.0 LBS of dry ice per 100 Gals of tank volume.	2.42	
<b>02 65 00 00-0052</b> <b>High Pressure Water Wash And Rinse Of Tank Interior</b> <small>(02 65 00 00-0049)</small> Note: Includes removal and disposal of rinse water.		
02 65 00 00-0053      EA    Up To 275 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	178.20	
02 65 00 00-0054      EA    >275 To 550 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	237.62	
02 65 00 00-0055      EA    >550 To 1,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	314.13	
02 65 00 00-0056      EA    >1,000 To 2,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	438.23	
02 65 00 00-0057      EA    >2,000 To 5,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	872.27	
02 65 00 00-0058      EA    >5,000 To 6,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	1,048.62	
02 65 00 00-0059      EA    >6,000 To 8,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	1,225.55	
02 65 00 00-0060      EA    >8,000 To 10,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	1,488.00	
02 65 00 00-0061      EA    >10,000 To 15,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	1,961.18	
02 65 00 00-0062      EA    >15,000 To 20,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	2,357.21	
02 65 00 00-0063      EA    >20,000 To 30,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	3,011.52	
02 65 00 00-0064      EA    >30,000 To 40,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	3,677.98	
02 65 00 00-0065      EA    >40,000 To 50,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	4,445.34	
<b>02 65 00 00-0066</b> <b>Scrape Clean Tank Exterior</b> <small>(02 65 00 00-0049)</small>		
02 65 00 00-0067      EA    Up To 275 Gallon Tank, Scrape Clean Tank Exterior.....	102.68	
02 65 00 00-0068      EA    >275 To 550 Gallon Tank, Scrape Clean Tank Exterior.....	136.73	
02 65 00 00-0069      EA    >550 To 1,000 Gallon Tank, Scrape Clean Tank Exterior.....	179.17	
02 65 00 00-0070      EA    >1,000 To 2,000 Gallon Tank, Scrape Clean Tank Exterior.....	248.11	
02 65 00 00-0071      EA    >2,000 To 5,000 Gallon Tank, Scrape Clean Tank Exterior.....	549.45	
02 65 00 00-0072      EA    >5,000 To 6,000 Gallon Tank, Scrape Clean Tank Exterior.....	695.72	
02 65 00 00-0073      EA    >6,000 To 8,000 Gallon Tank, Scrape Clean Tank Exterior.....	814.13	
02 65 00 00-0074      EA    >8,000 To 10,000 Gallon Tank, Scrape Clean Tank Exterior.....	1,023.48	
02 65 00 00-0075      EA    >10,000 To 15,000 Gallon Tank, Scrape Clean Tank Exterior.....	1,330.26	
02 65 00 00-0076      EA    >15,000 To 20,000 Gallon Tank, Scrape Clean Tank Exterior.....	1,669.74	
02 65 00 00-0077      EA    >20,000 To 30,000 Gallon Tank, Scrape Clean Tank Exterior.....	2,174.15	
02 65 00 00-0078      EA    >30,000 To 40,000 Gallon Tank, Scrape Clean Tank Exterior.....	2,608.98	
02 65 00 00-0079      EA    >40,000 To 50,000 Gallon Tank, Scrape Clean Tank Exterior.....	3,261.22	
<b>02 65 00 00-0080</b> <b>Tank And Piping Removal</b> <small>(02 65)</small> Note: Excludes excavation.		
<b>02 65 00 00-0081</b> <b>Removal And Disposal Of Piping</b> <small>(02 65 00 00-0080)</small> Note: Includes removal, inspection, loading, transporting pipe to disposal facility or transfer station within 15 miles and disposal fees.		
02 65 00 00-0082      LF    Up To 4", Removal And Disposal Of Piping.....	9.79	
02 65 00 00-0083      LF    >4" To 8", Removal And Disposal Of Piping.....	13.05	
<b>02 65 00 00-0084</b> <b>Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement</b> <small>(02 65 00 00-0080)</small> Note: Excludes excavation or backfill.		
02 65 00 00-0085      EA    Up To 275 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	302.92	
02 65 00 00-0086      EA    >275 To 550 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	367.83	
02 65 00 00-0087      EA    >550 To 1,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	432.75	
02 65 00 00-0088      EA    >1,000 To 2,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	540.94	
02 65 00 00-0089      EA    >2,000 To 5,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	757.31	
02 65 00 00-0090      EA    >5,000 To 6,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	952.04	
02 65 00 00-0091      EA    >6,000 To 8,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	1,081.86	
02 65 00 00-0092      EA    >8,000 To 10,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	1,298.24	
02 65 00 00-0093      EA    >10,000 To 15,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	1,730.98	
02 65 00 00-0094      EA    >15,000 To 20,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	2,075.06	
02 65 00 00-0095      EA    >20,000 To 30,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	2,431.55	
02 65 00 00-0096      EA    >30,000 To 40,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	2,844.71	
02 65 00 00-0097      EA    >40,000 To 50,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	3,555.88	
<b>02 65 00 00-0098</b> <b>Cut Tank Into Sections That Can Easily Be Transported And Disposed Of When Necessary</b> <small>(02 65 00 00-0080)</small> Note: Includes 1 lengthwise at every 4' on-center height wise.		
02 65 00 00-0099      EA    >1,000 To 2,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	468.98	
02 65 00 00-0100      EA    >2,000 To 5,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	874.59	

<b>02</b>	<b>Existing Conditions</b>
<b>02 60</b>	<b>Contaminated Site Material Removal</b>
<b>02 65</b>	<b>Underground Storage Tank Removal</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 65 00 00-0101	EA	>5,000 To 6,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	1,052.04	
02 65 00 00-0102	EA	>6,000 To 8,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	1,172.46	
02 65 00 00-0103	EA	>8,000 To 10,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	1,406.94	
02 65 00 00-0104	EA	>10,000 To 15,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	1,749.17	
02 65 00 00-0105	EA	>15,000 To 20,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	2,104.09	
02 65 00 00-0106	EA	>20,000 To 30,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	2,630.10	
02 65 00 00-0107	EA	>30,000 To 40,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	3,287.64	
02 65 00 00-0108	EA	>40,000 To 50,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	4,109.54	

### 02 65 00 00-0109 Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer

Station (02 65 00 00-0090)

Note: Includes disposal fee.

02 65 00 00-0110	EA	Up To 275 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	200.00	
		For Each Additional Mile >15 Miles, Add .....	2.17	
02 65 00 00-0111	EA	>275 To 550 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	279.40	
		For Each Additional Mile >15 Miles, Add .....	2.75	
02 65 00 00-0112	EA	>550 To 1,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	447.35	
		For Each Additional Mile >15 Miles, Add .....	4.12	
02 65 00 00-0113	EA	>1,000 To 2,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	757.40	
		For Each Additional Mile >15 Miles, Add .....	4.81	
02 65 00 00-0114	EA	>2,000 To 5,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	1,337.15	
		For Each Additional Mile >15 Miles, Add .....	8.47	
02 65 00 00-0115	EA	>5,000 To 6,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	1,364.61	
		For Each Additional Mile >15 Miles, Add .....	9.15	
02 65 00 00-0116	EA	>6,000 To 8,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	1,410.38	
		For Each Additional Mile >15 Miles, Add .....	10.30	
02 65 00 00-0117	EA	>8,000 To 10,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	2,094.02	
		For Each Additional Mile >15 Miles, Add .....	13.73	
02 65 00 00-0118	EA	>10,000 To 15,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	2,801.93	
		For Each Additional Mile >15 Miles, Add .....	20.60	
02 65 00 00-0119	EA	>15,000 To 20,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	3,326.76	
		For Each Additional Mile >15 Miles, Add .....	22.89	
02 65 00 00-0120	EA	>20,000 To 30,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	4,150.35	
		For Each Additional Mile >15 Miles, Add .....	27.46	
02 65 00 00-0121	EA	>30,000 To 40,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	6,027.84	
		For Each Additional Mile >15 Miles, Add .....	32.96	
02 65 00 00-0122	EA	>40,000 To 50,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	7,355.89	
		For Each Additional Mile >15 Miles, Add .....	37.90	

### 02 65 00 00-0123 Other Storage Tank Removals (02 65 00 00-0080)

02 65 00 00-0124	GAL	Removal Of Cement Lining .....	0.28	
02 65 00 00-0125	GAL	Sandblast Tank In Prep For Lining Or Welding; Remove Sand, Vacuum Walls And Seams .....	0.10	
02 65 00 00-0126	GAL	Install Epoxy For Interior Corrosion Protection .....	0.66	

### 02 65 00 00-0127 Tank Closure Report (02 65 00 00-0080)

Note: Excludes soils tests. See CSI section 02 65 00 00-0006 for soil tests.

02 65 00 00-0128	EA	Prepare Tank Closure Report .....	2,469.15	
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### 02 65 00 00-0129 Temporary Tanks (02 65)

#### 02 65 00 00-0130 Temporary Holding Tanks (02 65 00 00-0129)

#### 02 65 00 00-0131 Above Ground Temporary Holding Tanks, Monthly Rental (02 65 00 00-0130)

02 65 00 00-0132	MO	550 Gallon, Stainless Steel, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental .....	524.52	
02 65 00 00-0133	MO	630 Gallon, Polyethylene, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental .....	524.52	
02 65 00 00-0134	MO	630 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental .....	1,049.04	
02 65 00 00-0135	MO	4,000 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental .....	786.78	
02 65 00 00-0136	MO	4,000 Gallon, Polyethylene, Trailer Mounted, Above Ground Temporary Holding Tanks, Monthly Rental .....	1,835.83	
02 65 00 00-0137	MO	6,000 Gallon, Polyethylene, Total Drain, Above Ground Temporary Holding Tanks, Monthly Rental .....	1,311.31	
02 65 00 00-0138	MO	21,000 Gallon (500 BBL), Steel, Open, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental .....	3,029.18	
02 65 00 00-0139	MO	21,000 Gallon (500 BBL), Steel, Closed, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental .....	3,630.21	
02 65 00 00-0140	MO	21,000 Gallon (500 BBL), Steel, Vapor Proof, Above Ground Temporary Holding Tanks, Monthly Rental .....	6,130.49	

### 02 65 00 00-0141 Secondary Containment Berm (02 65 00 00-0129)

02 65 00 00-0142	MO	Secondary Containment Berm Monthly Rental .....	1,136.46	
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## 02 66 Landfill Construction and Storage (02 60)

### 02 66 13 Landfill Excavation (02 66)

02 66 13 00-0001		Excavate, Haul And Place Soil (02 66 13)		
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 66 13 00-0002 CY Excavate, Haul And Place Soil At Landfill.....	1.65	
<i>For &gt;50,000 To 100,000, Deduct</i>	-0.05	
<i>For &gt;100,000 To 200,000, Deduct</i>	-0.10	
<i>For &gt;200,000 To 500,000, Deduct</i>	-0.15	
<i>For &gt;500,000 To 1,000,000, Deduct</i>	-0.20	
<i>For &gt;1,000,000, Deduct</i>	-0.25	
<b>02 66 13 00-0003    Compaction</b> <small>(02 66 13)</small>		
02 66 13 00-0004 CY Compaction In Landfill .....	0.22	
<i>For &gt;50,000 To 100,000, Deduct</i>	-0.01	
<i>For &gt;100,000 To 200,000, Deduct</i>	-0.01	
<i>For &gt;200,000 To 500,000, Deduct</i>	-0.02	
<i>For &gt;500,000 To 1,000,000, Deduct</i>	-0.03	
<i>For &gt;1,000,000, Deduct</i>	-0.03	
<b>02 66 13 00-0005    Burn Dump Excavation</b> <small>(02 66 13)</small>		
Note: Includes excavation, segregation, removal and disposal of solid waste. Not for use with any section other than ash matrix excavation.		
<b>02 66 13 00-0006    Ash Matrix Excavation With Dozer</b> <small>(02 66 13 00-0005)</small>		
Note: Dozing distance averages up to 150' push, 50 min/hour, +5% grade, average operator and material conversion factors. Pushed to stockpile area.		
02 66 13 00-0007 CY Ash Matrix Excavation, D-3B Dozer, Light Material 65 HP With Blade, 150' Push, 30 CY/Hour.....	3.49	
<i>For &gt;50,000 To 100,000, Deduct</i>	-0.10	
<i>For &gt;100,000 To 200,000, Deduct</i>	-0.21	
<i>For &gt;200,000 To 500,000, Deduct</i>	-0.31	
<i>For &gt;500,000 To 1,000,000, Deduct</i>	-0.42	
<i>For &gt;1,000,000, Deduct</i>	-0.52	
02 66 13 00-0008 CY Ash Matrix Excavation, D-4H Dozer, Light Material 90 HP With Blade, 150' Push, 60 CY/Hour .....	1.69	
<i>For &gt;50,000 To 100,000, Deduct</i>	-0.05	
<i>For &gt;100,000 To 200,000, Deduct</i>	-0.10	
<i>For &gt;200,000 To 500,000, Deduct</i>	-0.15	
<i>For &gt;500,000 To 1,000,000, Deduct</i>	-0.20	
<i>For &gt;1,000,000, Deduct</i>	-0.25	
02 66 13 00-0009 CY Ash Matrix Excavation, D-5H Dozer, Light Material 120 HP With Blade, 150' Push, 85 CY/Hour .....	1.28	
<i>For &gt;50,000 To 100,000, Deduct</i>	-0.04	
<i>For &gt;100,000 To 200,000, Deduct</i>	-0.08	
<i>For &gt;200,000 To 500,000, Deduct</i>	-0.12	
<i>For &gt;500,000 To 1,000,000, Deduct</i>	-0.15	
<i>For &gt;1,000,000, Deduct</i>	-0.19	
02 66 13 00-0010 CY Ash Matrix Excavation, D-6D Dozer, Light Material 140 HP With Blade, 150' Push, 115 CY/Hour .....	1.18	
<i>For &gt;50,000 To 100,000, Deduct</i>	-0.04	
<i>For &gt;100,000 To 200,000, Deduct</i>	-0.07	
<i>For &gt;200,000 To 500,000, Deduct</i>	-0.11	
<i>For &gt;500,000 To 1,000,000, Deduct</i>	-0.14	
<i>For &gt;1,000,000, Deduct</i>	-0.18	
02 66 13 00-0011 CY Ash Matrix Excavation, D-7G Dozer, Light Material 200 HP With U-Blade, 150' Push, 185 CY/Hour .....	0.81	
<i>For &gt;50,000 To 100,000, Deduct</i>	-0.02	
<i>For &gt;100,000 To 200,000, Deduct</i>	-0.05	
<i>For &gt;200,000 To 500,000, Deduct</i>	-0.07	
<i>For &gt;500,000 To 1,000,000, Deduct</i>	-0.10	
<i>For &gt;1,000,000, Deduct</i>	-0.12	
02 66 13 00-0012 CY Ash Matrix Excavation, D-8L Dozer, Light Material 335 HP With U-Blade, 150' Push, 290 CY/Hour .....	0.71	
<i>For &gt;50,000 To 100,000, Deduct</i>	-0.02	
<i>For &gt;100,000 To 200,000, Deduct</i>	-0.04	
<i>For &gt;200,000 To 500,000, Deduct</i>	-0.06	
<i>For &gt;500,000 To 1,000,000, Deduct</i>	-0.09	
<i>For &gt;1,000,000, Deduct</i>	-0.11	
02 66 13 00-0013 CY Ash Matrix Excavation, D-9L Dozer, Light Material 460 HP With U-Blade, 150' Push, 375 CY/Hour .....	0.52	
<i>For &gt;50,000 To 100,000, Deduct</i>	-0.02	
<i>For &gt;100,000 To 200,000, Deduct</i>	-0.03	
<i>For &gt;200,000 To 500,000, Deduct</i>	-0.05	
<i>For &gt;500,000 To 1,000,000, Deduct</i>	-0.06	
<i>For &gt;1,000,000, Deduct</i>	-0.08	
02 66 13 00-0014 CY Ash Matrix Excavation, D-10 Dozer, Light Material 700 HP With U-Blade, 150' Push, 495 CY/Hour .....	0.44	
<i>For &gt;50,000 To 100,000, Deduct</i>	-0.01	
<i>For &gt;100,000 To 200,000, Deduct</i>	-0.03	
<i>For &gt;200,000 To 500,000, Deduct</i>	-0.04	
<i>For &gt;500,000 To 1,000,000, Deduct</i>	-0.05	
<i>For &gt;1,000,000, Deduct</i>	-0.07	
<b>02 66 13 00-0015    Ash Matrix Excavation With Dozer</b> <small>(02 66 13 00-0005)</small>		
Note: Dozing distance averages >150' to 300' push, 50 min/hour, +5% grade, average operator and material conversion factors. Pushed to stockpile area.		
02 66 13 00-0016 CY Ash Matrix Excavation, D-3B Dozer, Light Material 65 HP With Blade, 12.5 CY/Hour, 300' Push.....	8.39	
<i>For &gt;50,000 To 100,000, Deduct</i>	-0.25	
<i>For &gt;100,000 To 200,000, Deduct</i>	-0.50	
<i>For &gt;200,000 To 500,000, Deduct</i>	-0.76	
<i>For &gt;500,000 To 1,000,000, Deduct</i>	-1.01	
<i>For &gt;1,000,000, Deduct</i>	-1.26	

**02 Existing Conditions****02 60 Contaminated Site Material Removal****02 66 Landfill Construction and Storage**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 66 13 00-0017 CY Ash Matrix Excavation, D-4H Dozer, Light Material 90 HP With Blade, 24 CY/Hour, 300' Push.....	5.08	
For >50,000 To 100,000, Deduct	-0.15	
For >100,000 To 200,000, Deduct	-0.30	
For >200,000 To 500,000, Deduct	-0.46	
For >500,000 To 1,000,000, Deduct	-0.61	
For >1,000,000, Deduct	-0.76	
02 66 13 00-0018 CY Ash Matrix Excavation, D-5H Dozer, Light Material 120 HP With Blade, 35 CY/Hour, 300' Push.....	3.10	
For >50,000 To 100,000, Deduct	-0.09	
For >100,000 To 200,000, Deduct	-0.19	
For >200,000 To 500,000, Deduct	-0.28	
For >500,000 To 1,000,000, Deduct	-0.37	
For >1,000,000, Deduct	-0.47	
02 66 13 00-0019 CY Ash Matrix Excavation, D-6D Dozer, Light Material 140 HP With Blade, 55 CY/Hour, 300' Push.....	2.47	
For >50,000 To 100,000, Deduct	-0.07	
For >100,000 To 200,000, Deduct	-0.15	
For >200,000 To 500,000, Deduct	-0.22	
For >500,000 To 1,000,000, Deduct	-0.30	
For >1,000,000, Deduct	-0.37	
02 66 13 00-0020 CY Ash Matrix Excavation, D-7G Dozer, Light Material 200 HP With Blade, 100 CY/Hour, 300' Push .....	1.75	
For >50,000 To 100,000, Deduct	-0.05	
For >100,000 To 200,000, Deduct	-0.11	
For >200,000 To 500,000, Deduct	-0.16	
For >500,000 To 1,000,000, Deduct	-0.21	
For >1,000,000, Deduct	-0.26	
02 66 13 00-0021 CY Ash Matrix Excavation, D-8L Dozer, Light Material 335 HP With U-Blade, 145 CY/Hour, 300' Push .....	1.42	
For >50,000 To 100,000, Deduct	-0.04	
For >100,000 To 200,000, Deduct	-0.09	
For >200,000 To 500,000, Deduct	-0.13	
For >500,000 To 1,000,000, Deduct	-0.17	
For >1,000,000, Deduct	-0.21	
02 66 13 00-0022 CY Ash Matrix Excavation, D-9L Dozer, Light Material 460 HP With U-Blade, 195 CY/Hour, 300' Push .....	1.00	
For >50,000 To 100,000, Deduct	-0.03	
For >100,000 To 200,000, Deduct	-0.06	
For >200,000 To 500,000, Deduct	-0.09	
For >500,000 To 1,000,000, Deduct	-0.12	
For >1,000,000, Deduct	-0.15	
02 66 13 00-0023 CY Ash Matrix Excavation, D-10 Dozer, Light Material 700 HP With U-Blade, 275 CY/Hour, 300' Push .....	0.80	
For >50,000 To 100,000, Deduct	-0.02	
For >100,000 To 200,000, Deduct	-0.05	
For >200,000 To 500,000, Deduct	-0.07	
For >500,000 To 1,000,000, Deduct	-0.10	
For >1,000,000, Deduct	-0.12	
<b>02 66 13 00-0024 Ash Matrix Excavation With Dozer</b> (02 66 13 00-0005)		
Note: Dozing distance averages >300' to 450' push, 50 min/hour, +5% grade, average operator and material conversion factors. Pushed to stockpile area.		
02 66 13 00-0025 CY Ash Matrix Excavation, D-7G Dozer, Light Material 215 HP With U-Blade, 75 CY/Hour, 450' Push.....	1.98	
For >50,000 To 100,000, Deduct	-0.06	
For >100,000 To 200,000, Deduct	-0.12	
For >200,000 To 500,000, Deduct	-0.18	
For >500,000 To 1,000,000, Deduct	-0.24	
For >1,000,000, Deduct	-0.30	
02 66 13 00-0026 CY Ash Matrix Excavation, D-8L Dozer, Light Material 335 HP With U-Blade, 105 CY/Hour, 450' Push .....	1.97	
For >50,000 To 100,000, Deduct	-0.06	
For >100,000 To 200,000, Deduct	-0.12	
For >200,000 To 500,000, Deduct	-0.18	
For >500,000 To 1,000,000, Deduct	-0.24	
For >1,000,000, Deduct	-0.30	
02 66 13 00-0027 CY Ash Matrix Excavation, D-9L Dozer, Light Material 460 HP With U-Blade, 145 CY/Hour, 450' Push .....	1.35	
For >50,000 To 100,000, Deduct	-0.04	
For >100,000 To 200,000, Deduct	-0.08	
For >200,000 To 500,000, Deduct	-0.12	
For >500,000 To 1,000,000, Deduct	-0.16	
For >1,000,000, Deduct	-0.20	
02 66 13 00-0028 CY Ash Matrix Excavation, D-10 Dozer, Light Material 700 HP With U-Blade, 185 CY/Hour, 450' Push .....	1.18	
For >50,000 To 100,000, Deduct	-0.04	
For >100,000 To 200,000, Deduct	-0.07	
For >200,000 To 500,000, Deduct	-0.11	
For >500,000 To 1,000,000, Deduct	-0.14	
For >1,000,000, Deduct	-0.18	
<b>02 66 13 00-0029 Ash Matrix Excavation With Scraper</b> (02 66 13 00-0005)		
Note: Choose scraper capacity and cycle time.		
<b>02 66 13 00-0030 Self Propelled Scraper Capacity 9 BCY</b> (02 66 13 00-0029)		
02 66 13 00-0031 CY Ash Matrix With Push Loaded Self Propelled Scraper 9 BCY, 9 Cycles Per Hour.....	2.32	
For >50,000 To 100,000, Deduct	-0.07	
For >100,000 To 200,000, Deduct	-0.14	
For >200,000 To 500,000, Deduct	-0.21	
For >500,000 To 1,000,000, Deduct	-0.28	
For >1,000,000, Deduct	-0.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 66 13 00-0032 CY Ash Matrix With Push Loaded Self Propelled Scraper 9 BCY, 13.5 Cycles Per Hour.....	1.54	
<i>For &gt;50,000 To 100,000, Deduct</i>	-0.05	
<i>For &gt;100,000 To 200,000, Deduct</i>	-0.09	
<i>For &gt;200,000 To 500,000, Deduct</i>	-0.14	
<i>For &gt;500,000 To 1,000,000, Deduct</i>	-0.18	
<i>For &gt;1,000,000, Deduct</i>	-0.23	
<b>02 66 13 00-0033 Self Propelled Scraper Capacity 16 BCY</b> <small>(02 66 13 00-0029)</small>		
02 66 13 00-0034 CY Ash Matrix With Push Loaded Self Propelled Scraper 16 BCY, 4.5 Cycles Per Hour.....	3.79	
<i>For &gt;50,000 To 100,000, Deduct</i>	-0.11	
<i>For &gt;100,000 To 200,000, Deduct</i>	-0.23	
<i>For &gt;200,000 To 500,000, Deduct</i>	-0.34	
<i>For &gt;500,000 To 1,000,000, Deduct</i>	-0.45	
<i>For &gt;1,000,000, Deduct</i>	-0.57	
02 66 13 00-0035 CY Ash Matrix With Push Loaded Self Propelled Scraper 16 BCY, 6 Cycles Per Hour.....	2.53	
<i>For &gt;50,000 To 100,000, Deduct</i>	-0.08	
<i>For &gt;100,000 To 200,000, Deduct</i>	-0.15	
<i>For &gt;200,000 To 500,000, Deduct</i>	-0.23	
<i>For &gt;500,000 To 1,000,000, Deduct</i>	-0.30	
<i>For &gt;1,000,000, Deduct</i>	-0.38	
02 66 13 00-0036 CY Ash Matrix With Push Loaded Self Propelled Scraper 16 BCY, 9 Cycles Per Hour.....	1.68	
<i>For &gt;50,000 To 100,000, Deduct</i>	-0.05	
<i>For &gt;100,000 To 200,000, Deduct</i>	-0.10	
<i>For &gt;200,000 To 500,000, Deduct</i>	-0.15	
<i>For &gt;500,000 To 1,000,000, Deduct</i>	-0.20	
<i>For &gt;1,000,000, Deduct</i>	-0.25	
02 66 13 00-0037 CY Ash Matrix With Push Loaded Self Propelled Scraper 16 BCY, 13.5 Cycles Per Hour.....	1.11	
<i>For &gt;50,000 To 100,000, Deduct</i>	-0.03	
<i>For &gt;100,000 To 200,000, Deduct</i>	-0.07	
<i>For &gt;200,000 To 500,000, Deduct</i>	-0.10	
<i>For &gt;500,000 To 1,000,000, Deduct</i>	-0.13	
<i>For &gt;1,000,000, Deduct</i>	-0.17	
<b>02 66 13 00-0038 Self Propelled Scraper Capacity 25 BCY</b> <small>(02 66 13 00-0029)</small>		
02 66 13 00-0039 CY Ash Matrix With Push Loaded Self Propelled Scraper 25 BCY, 4.5 Cycles Per Hour.....	2.00	
<i>For &gt;50,000 To 100,000, Deduct</i>	-0.06	
<i>For &gt;100,000 To 200,000, Deduct</i>	-0.12	
<i>For &gt;200,000 To 500,000, Deduct</i>	-0.18	
<i>For &gt;500,000 To 1,000,000, Deduct</i>	-0.24	
<i>For &gt;1,000,000, Deduct</i>	-0.30	
02 66 13 00-0040 CY Ash Matrix With Push Loaded Self Propelled Scraper 25 BCY, 6 Cycles Per Hour.....	1.70	
<i>For &gt;50,000 To 100,000, Deduct</i>	-0.05	
<i>For &gt;100,000 To 200,000, Deduct</i>	-0.10	
<i>For &gt;200,000 To 500,000, Deduct</i>	-0.15	
<i>For &gt;500,000 To 1,000,000, Deduct</i>	-0.20	
<i>For &gt;1,000,000, Deduct</i>	-0.26	
02 66 13 00-0041 CY Ash Matrix With Push Loaded Self Propelled Scraper 25 BCY, 9 Cycles Per Hour.....	1.13	
<i>For &gt;50,000 To 100,000, Deduct</i>	-0.03	
<i>For &gt;100,000 To 200,000, Deduct</i>	-0.07	
<i>For &gt;200,000 To 500,000, Deduct</i>	-0.10	
<i>For &gt;500,000 To 1,000,000, Deduct</i>	-0.14	
<i>For &gt;1,000,000, Deduct</i>	-0.17	
02 66 13 00-0042 CY Ash Matrix With Push Loaded Self Propelled Scraper 25 BCY, 13.5 Cycles Per Hour.....	0.75	
<i>For &gt;50,000 To 100,000, Deduct</i>	-0.02	
<i>For &gt;100,000 To 200,000, Deduct</i>	-0.05	
<i>For &gt;200,000 To 500,000, Deduct</i>	-0.07	
<i>For &gt;500,000 To 1,000,000, Deduct</i>	-0.09	
<i>For &gt;1,000,000, Deduct</i>	-0.11	
<b>02 66 13 00-0043 Self Propelled Scraper Capacity 35 BCY</b> <small>(02 66 13 00-0029)</small>		
02 66 13 00-0044 CY Ash Matrix With Push Loaded Self Propelled Scraper 35 BCY, 4.5 Cycles Per Hour.....	1.75	
<i>For &gt;50,000 To 100,000, Deduct</i>	-0.05	
<i>For &gt;100,000 To 200,000, Deduct</i>	-0.11	
<i>For &gt;200,000 To 500,000, Deduct</i>	-0.16	
<i>For &gt;500,000 To 1,000,000, Deduct</i>	-0.21	
<i>For &gt;1,000,000, Deduct</i>	-0.26	
02 66 13 00-0045 CY Ash Matrix With Push Loaded Self Propelled Scraper 35 BCY, 6 Cycles Per Hour.....	1.30	
<i>For &gt;50,000 To 100,000, Deduct</i>	-0.04	
<i>For &gt;100,000 To 200,000, Deduct</i>	-0.08	
<i>For &gt;200,000 To 500,000, Deduct</i>	-0.12	
<i>For &gt;500,000 To 1,000,000, Deduct</i>	-0.16	
<i>For &gt;1,000,000, Deduct</i>	-0.20	
02 66 13 00-0046 CY Ash Matrix With Push Loaded Self Propelled Scraper 35 BCY, 9 Cycles Per Hour.....	0.86	
<i>For &gt;50,000 To 100,000, Deduct</i>	-0.03	
<i>For &gt;100,000 To 200,000, Deduct</i>	-0.05	
<i>For &gt;200,000 To 500,000, Deduct</i>	-0.08	
<i>For &gt;500,000 To 1,000,000, Deduct</i>	-0.10	
<i>For &gt;1,000,000, Deduct</i>	-0.13	

**02 Existing Conditions****02 60 Contaminated Site Material Removal****02 66 Landfill Construction and Storage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 66 13 00-0047	CY		Ash Matrix With Push Loaded Self Propelled Scraper 35 BCY, 13.5 Cycles Per Hour.....	0.58	
			<i>For &gt;50,000 To 100,000, Deduct</i>	-0.02	
			<i>For &gt;100,000 To 200,000, Deduct</i>	-0.03	
			<i>For &gt;200,000 To 500,000, Deduct</i>	-0.05	
			<i>For &gt;500,000 To 1,000,000, Deduct</i>	-0.07	
			<i>For &gt;1,000,000, Deduct</i>	-0.09	
<b>02 66 13 00-0048</b>			<b>Self Propelled Scraper Capacity 43 BCY</b> (02 66 13 00-0029)		
02 66 13 00-0049	CY		Ash Matrix With Push Loaded Self Propelled Scraper 43 BCY, 4.5 Cycles Per Hour.....	1.34	
			<i>For &gt;50,000 To 100,000, Deduct</i>	-0.04	
			<i>For &gt;100,000 To 200,000, Deduct</i>	-0.08	
			<i>For &gt;200,000 To 500,000, Deduct</i>	-0.12	
			<i>For &gt;500,000 To 1,000,000, Deduct</i>	-0.16	
			<i>For &gt;1,000,000, Deduct</i>	-0.20	
02 66 13 00-0050	CY		Ash Matrix With Push Loaded Self Propelled Scraper 43 BCY, 6 Cycles Per Hour.....	1.06	
			<i>For &gt;50,000 To 100,000, Deduct</i>	-0.03	
			<i>For &gt;100,000 To 200,000, Deduct</i>	-0.06	
			<i>For &gt;200,000 To 500,000, Deduct</i>	-0.10	
			<i>For &gt;500,000 To 1,000,000, Deduct</i>	-0.13	
			<i>For &gt;1,000,000, Deduct</i>	-0.16	
02 66 13 00-0051	CY		Ash Matrix With Push Loaded Self Propelled Scraper 43 BCY, 9 Cycles Per Hour.....	0.71	
			<i>For &gt;50,000 To 100,000, Deduct</i>	-0.02	
			<i>For &gt;100,000 To 200,000, Deduct</i>	-0.04	
			<i>For &gt;200,000 To 500,000, Deduct</i>	-0.06	
			<i>For &gt;500,000 To 1,000,000, Deduct</i>	-0.09	
			<i>For &gt;1,000,000, Deduct</i>	-0.11	
02 66 13 00-0052	CY		Ash Matrix With Push Loaded Self Propelled Scraper 43 BCY, 13.5 Cycles Per Hour.....	0.47	
			<i>For &gt;50,000 To 100,000, Deduct</i>	-0.01	
			<i>For &gt;100,000 To 200,000, Deduct</i>	-0.03	
			<i>For &gt;200,000 To 500,000, Deduct</i>	-0.04	
			<i>For &gt;500,000 To 1,000,000, Deduct</i>	-0.06	
			<i>For &gt;1,000,000, Deduct</i>	-0.07	
<b>02 66 13 00-0053</b>			<b>Ash Matrix Excavation With Excavator</b> (02 66 13 00-0005)		
			Note: Includes loading into truck, hauling and placement.		
02 66 13 00-0054	CY		Ash Matrix Excavate, Load, Haul And Place Soil At Landfill.....	2.33	
			<i>For &gt;50,000 To 100,000, Deduct</i>	-0.07	
			<i>For &gt;100,000 To 200,000, Deduct</i>	-0.14	
			<i>For &gt;200,000 To 500,000, Deduct</i>	-0.21	
			<i>For &gt;500,000 To 1,000,000, Deduct</i>	-0.28	
			<i>For &gt;1,000,000, Deduct</i>	-0.35	
<b>02 66 23</b>			<b>Secure Landfill Construction</b> (02 66)		
02 66 23 00-0001			Secure Burial Cell Construction (02 66 23)		
02 66 23 00-0002			Polymeric Liner And Cover System (02 66 23 00-0001)		
02 66 23 00-0003			Very Low Density Polyethylene Liner (02 66 23 00-0002)		
02 66 23 00-0004	SF		20 Mil Very Low Density Polyethylene Liner.....	1.20	
02 66 23 00-0005	SF		30 Mil Very Low Density Polyethylene Liner.....	1.72	
02 66 23 00-0006	SF		40 Mil Very Low Density Polyethylene Liner.....	1.96	
02 66 23 00-0007	SF		50 Mil Very Low Density Polyethylene Liner.....	2.38	
02 66 23 00-0008	SF		60 Mil Very Low Density Polyethylene Liner.....	2.87	
02 66 23 00-0009	SF		70 Mil Very Low Density Polyethylene Liner.....	3.12	
02 66 23 00-0010	SF		80 Mil Very Low Density Polyethylene Liner.....	3.55	
02 66 23 00-0011	SF		90 Mil Very Low Density Polyethylene Liner.....	3.96	
02 66 23 00-0012	SF		100 Mil Very Low Density Polyethylene Liner.....	4.89	
02 66 23 00-0013			Chlorosulfonated Polyethylene-Hypalon (CSPE) Liner (02 66 23 00-0002)		
02 66 23 00-0014	SF		36 Mil Chlorosulfonated Polyethylene-Hypalon (CSPE) Liner.....	2.06	
02 66 23 00-0015	SF		45 Mil Chlorosulfonated Polyethylene-Hypalon (CSPE) Liner.....	2.15	
02 66 23 00-0016			Polyvinyl Chloride (PVC) Liner (02 66 23 00-0002)		
02 66 23 00-0017	SF		20 Mil Polyvinyl Chloride Liner.....	0.36	
02 66 23 00-0018	SF		30 Mil Polyvinyl Chloride Liner.....	0.54	
02 66 23 00-0019	SF		40 Mil Polyvinyl Chloride Liner.....	0.68	
02 66 23 00-0020	SF		50 Mil Polyvinyl Chloride Liner.....	0.84	
02 66 23 00-0021	SF		60 Mil Polyvinyl Chloride Liner.....	1.03	
02 66 23 00-0022	SF		70 Mil Polyvinyl Chloride Liner.....	1.21	
02 66 23 00-0023	SF		80 Mil Polyvinyl Chloride Liner.....	1.37	
02 66 23 00-0024	SF		90 Mil Polyvinyl Chloride Liner.....	1.51	
02 66 23 00-0025	SF		100 Mil Polyvinyl Chloride Liner.....	1.71	
02 66 23 00-0026			Rough Textured High Density Polyethylene Liner (02 66 23 00-0002)		
			Note: Greatly increases slope stability.		
02 66 23 00-0027	SF		40 Mil High Density Polyethylene Liner.....	2.02	
02 66 23 00-0028	SF		60 Mil High Density Polyethylene Liner.....	2.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 66 23 00-0029 SF 80 Mil High Density Polyethylene Liner .....	3.53	
<b>02 66 23 00-0030 Soil And Admixed Liner And Cover</b> (02 66 23 00-0001)		
<b>02 66 23 00-0031 Soil/Bentonite Liners</b> (02 66 23 00-0030)		
Note: Low contaminant resistant is for caps. Medium resists 10,000 PPM salts. High resists salts to 100,000 PPM.		
02 66 23 00-0032 TON High Efficiency/Low Contaminant Resistant Bentonite .....	320.12	
02 66 23 00-0033 TON High Contaminant Resistant Bentonite Resists Salts Up To 100,000 PPM .....	443.53	
02 66 23 00-0034 TON Contaminant Resistant Bentonite Tank Farm Liners - (Chemical Storage) .....	453.61	
02 66 23 00-0035 TON 90 BBL Yield Bentonite No Contamination Resistance.....	252.01	
02 66 23 00-0036 TON 125 BBL Yield Bentonite No Contamination Resistance.....	268.81	
02 66 23 00-0037 TON 180 BBL Yield Bentonite No Contamination Resistance.....	312.48	
02 66 23 00-0038 SF Liner/Cap Installed - Cost Per 6 Lift - 4 LB/SF Bentonite.....	1.25	
02 66 23 00-0039 TON High Efficiency/Medium Contaminant Resistant Bentonite.....	389.92	
<b>02 66 23 00-0040 Geocomposite Lining Systems</b> (02 66 23 00-0001)		
<b>02 66 23 00-0041 Polypropylene/Bentonite Sandwich Sheets</b> (02 66 23 00-0040)		
02 66 23 00-0042 SF 1/4" Thick Geocomposite Installed On Soil Or Aggregate Base .....	1.28	
02 66 23 00-0043 SF 1/4" Thick Geocomposite Installed On Polymeric Base.....	1.76	
<b>02 66 23 00-0044 Liner And Dike Support</b> (02 66 23 00-0001)		
<b>02 66 23 00-0045 Geogrids</b> (02 66 23 00-0044)		
Note: Composite grip layer matting is used to hold topsoil with low cohesive strength over flexible liners.		
02 66 23 00-0046 SF Biaxial, 9.8' x 164' Rolls Tensile Modulus = 14,000 LB/SF .....	0.25	
02 66 23 00-0047 SF Biaxial, 13.1' x 164' Rolls Tensile Modulus = 14,000 LB/SF .....	0.25	
02 66 23 00-0048 SF Biaxial, 9.8' x 164' Rolls Tensile Modulus = 18,500 LB/SF .....	0.38	
02 66 23 00-0049 SF Biaxial, 13.1' x 164' Rolls Tensile Modulus = 18,500 LB/SF .....	0.38	
02 66 23 00-0050 SF Uniaxial, 4.3' x 98' Rolls Tensile Modulus = 50,000 LB/SF.....	0.72	
02 66 23 00-0051 SF Uniaxial, 3.3' x 98' Rolls Tensile Modulus = 100,000 LB/SF.....	1.20	
02 66 23 00-0052 SF Uniaxial, 4.3' x 98' Rolls Tensile Modulus = 100,000 LB/SF.....	1.20	
02 66 23 00-0053 SF Uniaxial, 4.3' x 98' Rolls Tensile Modulus = 130,000 LB/SF.....	1.43	
02 66 23 00-0054 SF Composite Grip Layer Mat - Nylon Geomatrix/Polyvinyl Chloride (PVC) Coated Polyester.....	2.13	
<b>02 66 23 00-0055 Slurry Wall Installation</b> (02 66 23)		
02 66 23 00-0056 CY Level And Compact Working Surface .....	5.33	
02 66 23 00-0057 CY Construct Dike For Mixing Basin.....	5.33	
02 66 23 00-0058 CY Normal Soil, 26" - 75" Slurry Wall Excavation.....	5.39	
02 66 23 00-0059 CY Clay/Sand With Boulders, 26" - 75" Slurry Wall Excavation.....	8.02	
02 66 23 00-0060 CY Normal Soil, 76" - 120" Slurry Wall Excavation.....	8.25	
02 66 23 00-0061 CWT Clay/Sand With Boulders, 76" - 120" Slurry Wall Excavation.....	12.30	
02 66 23 00-0062 GAL Slurry Mixing, Hydration, And Placement, Per Gallon.....	0.07	
02 66 23 00-0063 CY Soil, Bentonite Backfill Mixing.....	2.64	
02 66 23 00-0064 CY Backfill Slurry Wall Trench .....	2.37	
02 66 23 00-0065 SF Cleanup And Re-Grade Working Surface.....	0.07	

**02 80 Facility Remediation** (02)**02 81 Transportation And Disposal Of Hazardous Materials** (02 80)

<b>02 81 00 00-0001 Hazardous Material Disposal</b> (02 81)		
02 81 00 00-0002 TON Bulk Hazardous Material Landfill Cost .....	234.60	
<b>02 81 00 00-0003 Equipment Oil Drain And Disposal</b> (02 81)		
02 81 00 00-0004 TRIP Drain Oil Filled Equipment, Place In Approved Container And Transport To Disposal Site.....	369.04	
Note: Excludes Disposal Cost.		
02 81 00 00-0005 DRM Disposal Of Non-Polychlorinated Biphenyl (PCB) Oil In Normal Landfill, Per Partial Or Full 55-Gallon Drum.....	57.99	
Note: Excludes draining, placing in approved container, and transporting to disposal site.		
02 81 00 00-0006 DRM Disposal Of Non-Toxic Polychlorinated Biphenyl (PCB) Oil Into A Lined Landfill, Per Partial Or Full 55-Gallon Drum.....	263.60	
Note: Excludes draining, placing in approved container, and transporting to disposal site.		
02 81 00 00-0007 DRM Disposal Of Toxic Polychlorinated Biphenyl (PCB) Oil By Incineration, Per Partial Or Full 55-Gallon Drum.....	474.48	
Note: Excludes draining, placing in approved container, and transporting to disposal site.		
02 81 00 00-0008 CF Hazardous Polychlorinated Biphenyl (PCB) Oil Filled Equipment Disposal At Approved Site.....	63.16	
Note: Includes handling of equipment and disposal at approved site. Excludes draining of PCB contaminated oil prior to disposal.		

**02 82 Asbestos Remediation** (02 80)

Note: Tasks include materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, lockdown encapsulant applied to surfaces, clean-up, vacuuming, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types



**02 Existing Conditions****02 80 Facility Remediation****02 82 Asbestos Remediation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 10 LF or SF (10 LF to 20 LF for ACM pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. This does not apply to glove bag projects. See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0032 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0010 for decontamination chambers.

**02 82 13 Asbestos Abatement** (02 82)**02 82 13 00-0001 Air Monitoring And Bulk Sampling, Asbestos Testing** (02 82 13)

Note: Testing tasks include packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Polarizing Light Microscope (PLM), Phase Contrast Microscope (PCM), and Transmission Electron Microscope (TEM). Excludes sampling time.

02 82 13 00-0002	HR	Certified Asbestos Air Sampling Technician For Bulk Sampling Or Air Monitoring .....	45.88
02 82 13 00-0003	EA	48 Hours Or Longer Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing .....	34.26
02 82 13 00-0004	EA	Next Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing .....	40.17
02 82 13 00-0005	EA	Same Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing .....	63.80
02 82 13 00-0006	EA	48 Hours Or Longer Turnaround, (Bulk) TEM Test, Asbestos Testing.....	109.88
02 82 13 00-0007	EA	Next Day Turnaround, (Bulk) TEM Test, Asbestos Testing .....	133.51
02 82 13 00-0008	EA	48 Hours Or Longer Turnaround, (Air) PCM Test, Asbestos Testing.....	27.17
02 82 13 00-0009	EA	Next Day Turnaround, (Air) PCM Test, Asbestos Testing.....	33.08
02 82 13 00-0010	EA	Same Day Turnaround, (Air) PCM Test, Asbestos Testing.....	44.90
02 82 13 00-0011	EA	48 Hours Or Longer Turnaround, (Air Point Counting) PLM Test .....	34.26
02 82 13 00-0012	EA	Next Day Turnaround, (Air Point Counting) PLM Test .....	40.17
02 82 13 00-0013	EA	Same Day Turnaround, (Air Point Counting) PLM Test .....	63.80
02 82 13 00-0014	EA	48 Hours Or Longer Turnaround, (Air) TEM Test, Asbestos Testing .....	109.88
02 82 13 00-0015	EA	Next Day Turnaround, (Air) TEM Test, Asbestos Testing .....	126.42
02 82 13 00-0016	EA	Same Day Turnaround, (Air) TEM Test, Asbestos Testing .....	176.04

**02 82 16 Engineering Control of Asbestos Containing Materials** (02 82)**02 82 16 00-0001 Asbestos Encapsulation (Lock-Down)** (02 82 16)

02 82 16 00-0002	SF	Asbestos Encapsulant Spray Adhesive (Lock-Down), Per Coat.....	0.86
02 82 16 00-0003	SF	Asbestos Binding Compound Encapsulant/Sealant, Per Coat Required (Fiberlock® ABC® Asbestos Binding Compound).....	1.17
02 82 16 00-0004	SF	Asbestos Fiberspray Encapsulation (Fiberlock® ABC Fiberspray®) .....	1.31
02 82 16 00-0005	SF	Asbestos Acrylic Encasement/Encapsulation (Fiberlock® Lag-Kote®).....	1.39
02 82 16 00-0006	SF	Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kwik®) .....	4.47
02 82 16 00-0007	SF	Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kloth®) .....	5.09

**02 82 33 Removal and Disposal of Asbestos Containing Materials** (02 82)**02 82 33 00-0001 Pipe And Pipe Fittings Insulation, Asbestos Abatement And Disposal** (02 82 33)**02 82 33 00-0002 Pipe Insulation, Asbestos Abatement And Disposal** (02 82 33 00-0001)

Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.

**02 82 33 00-0003 Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal** (02 82 33 00-0002)

See CSI section 02 82 33 00-0017 for projects with less than 10 LF.

02 82 33 00-0004	SET	Up To 20 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	392.08
		<i>For Work In Restricted Working Space, Add</i>	115.19
02 82 33 00-0005	LF	>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	20.05
		<i>For Work In Restricted Working Space, Add</i>	5.89
02 82 33 00-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	15.13
		<i>For Work In Restricted Working Space, Add</i>	4.42
02 82 33 00-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	11.46
		<i>For Work In Restricted Working Space, Add</i>	3.32
02 82 33 00-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	8.69
		<i>For Work In Restricted Working Space, Add</i>	2.48
02 82 33 00-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	7.62
		<i>For Work In Restricted Working Space, Add</i>	2.16

**02 82 33 00-0010 >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal** (02 82 33 00-0002)

See CSI section 02 82 33 00-0017 for projects with less than 10 LF.

02 82 33 00-0011	SET	Up To 20 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal .....	416.41
		<i>For Work In Restricted Working Space, Add</i>	115.19
02 82 33 00-0012	LF	>20 To 250 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	24.20
		<i>For Work In Restricted Working Space, Add</i>	6.77
02 82 33 00-0013	LF	>250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	18.55
		<i>For Work In Restricted Working Space, Add</i>	5.08
02 82 33 00-0014	LF	>500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	14.32
		<i>For Work In Restricted Working Space, Add</i>	3.81
02 82 33 00-0015	LF	>2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	11.14
		<i>For Work In Restricted Working Space, Add</i>	2.86
02 82 33 00-0016	LF	>10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal .....	9.90
		<i>For Work In Restricted Working Space, Add</i>	2.48



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>02 82 33 00-0017</b> <b>Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0002)</small>		
<i>Note: Solid isolation barriers and plastic sheeting for containment construction (except on floor) are not required for glove bag projects unless required by local codes.</i>		
02 82 33 00-0018      SET    Glove Bag For First 3 LF Pipe Insulation, Asbestos Abatement And Disposal .....	280.16	
<i>For Work In Restricted Working Space, Add</i>		
	82.59	
02 82 33 00-0019      LF     >3 To 20 LF Additional Glove Bag Work for Pipe Insulation .....	62.80	
<i>For Work In Restricted Working Space, Add</i>		
	18.35	
02 82 33 00-0020      LF     >20 To 250 LF Additional Glove Bag Work for Pipe Insulation .....	25.37	
<i>For Work In Restricted Working Space, Add</i>		
	7.13	
02 82 33 00-0021      LF     >250 To 500 LF Additional Glove Bag Work for Pipe Insulation .....	19.42	
<i>For Work In Restricted Working Space, Add</i>		
	5.34	
02 82 33 00-0022      LF     >500 LF Additional Glove Bag Work for Pipe Insulation .....	14.97	
<i>For Work In Restricted Working Space, Add</i>		
	4.01	
<b>02 82 33 00-0023</b> <b>Demolish And Disposal Of Asbestos Pipe</b> <small>(02 82 33)</small>		
02 82 33 00-0024      LF     Demolish And Disposal Of Up To 6", Asbestos Pipe .....	12.21	
02 82 33 00-0025      LF     Demolish And Disposal Of >6 To 12", Asbestos Pipe .....	21.28	
<b>02 82 33 00-0026</b> <b>Thermal Insulation, Asbestos Abatement And Disposal</b> <small>(02 82 33)</small>		
<b>02 82 33 00-0027</b> <b>Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0026)</small>		
<i>Note: e.g., duct, boiler, tank, etc.</i>		
02 82 33 00-0028      SET    Up To 25 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal .....	394.11	
02 82 33 00-0029      SF     >25 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal .....	20.05	
02 82 33 00-0030      SF     >500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal .....	15.88	
02 82 33 00-0031      SF     >2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal .....	12.01	
02 82 33 00-0032      SF     >10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal .....	9.11	
<b>02 82 33 00-0033</b> <b>Surfacing Material, Asbestos Abatement And Disposal</b> <small>(02 82 33)</small>		
<b>02 82 33 00-0034</b> <b>Fireproofing For Small Areas, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0033)</small>		
<i>Note: For asbestos abatement for up to 1 SF sections to expose area for attachments. See CSI section 02 82 33 00-0036 for areas &gt; 1 SF see CSI section.</i>		
02 82 33 00-0035      EA     Up To 1 SF, Fireproofing For Small Areas, Asbestos Abatement And Disposal .....	96.40	
<i>Note: For asbestos abatement for up to 1 SF sections to expose steel area for welding attachments.</i>		
<b>02 82 33 00-0036</b> <b>Fireproofing, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0033)</small>		
<i>Note: Exposed surface area, includes associated overspray.</i>		
02 82 33 00-0037      SET    Up To 25 SF, Fireproofing, Asbestos Abatement And Disposal .....	394.11	
02 82 33 00-0038      SF     >25 To 500 SF, Fireproofing, Asbestos Abatement And Disposal .....	23.96	
02 82 33 00-0039      SF     >500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal .....	18.08	
02 82 33 00-0040      SF     >2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal .....	13.66	
02 82 33 00-0041      SF     >10,000 SF, Fireproofing, Asbestos Abatement And Disposal .....	10.34	
<b>02 82 33 00-0042</b> <b>Acoustical Plaster, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0033)</small>		
<i>Note: Remove surface coat from brown coat or remove entire assembly, including lathe and finish materials.</i>		
02 82 33 00-0043      SET    Up To 25 SF, Acoustical Plaster, Asbestos Abatement And Disposal .....	390.73	
02 82 33 00-0044      SF     >25 To 500 SF, Acoustical Plaster, Asbestos Abatement And Disposal .....	10.10	
02 82 33 00-0045      SF     >500 To 2,500 SF, Acoustical Plaster, Asbestos Abatement And Disposal .....	7.71	
02 82 33 00-0046      SF     >2,500 To 10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal .....	5.79	
02 82 33 00-0047      SF     >10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal .....	4.35	
<b>02 82 33 00-0048</b> <b>Gypsum Wall Board, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0033)</small>		
02 82 33 00-0049      SET    Up To 50 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal .....	397.49	
<i>For Additional Layer, Add</i>		
	105.59	
02 82 33 00-0050      SF     >50 To 500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal .....	7.83	
<i>For Additional Layer, Add</i>		
	2.08	
02 82 33 00-0051      SF     >500 To 2,500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal .....	5.79	
<i>For Additional Layer, Add</i>		
	1.52	
02 82 33 00-0052      SF     >2,500 To 10,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal .....	4.59	
<i>For Additional Layer, Add</i>		
	1.19	
02 82 33 00-0053      SF     >10,000 To 50,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal .....	3.63	
<i>For Additional Layer, Add</i>		
	0.92	
02 82 33 00-0054      SF     >50,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal .....	2.91	
<i>For Additional Layer, Add</i>		
	0.73	
02 82 33 00-0055      SF     >100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal .....	2.38	
<i>For Additional Layer, Add</i>		
	0.58	
<b>02 82 33 00-0056</b> <b>Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0033)</small>		
02 82 33 00-0057      SET    Up To 25 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal .....	390.73	

**02 Existing Conditions****02 80 Facility Remediation****02 82 Asbestos Remediation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0058 SF >25 To 500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	14.62	
02 82 33 00-0059 SF >500 To 2,500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal .....	10.78	
02 82 33 00-0060 SF >2,500 To 10,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	8.47	
02 82 33 00-0061 SF >10,000 To 50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal .....	6.66	
02 82 33 00-0062 SF >50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	4.83	
<b>02 82 33 00-0063 Stucco, Asbestos Abatement And Disposal (02 82 33 00-0033)</b>		
02 82 33 00-0064 SET Up To 50 SF, Stucco, Asbestos Abatement And Disposal.....	397.49	
02 82 33 00-0065 SF >50 To 500 SF, Stucco, Asbestos Abatement And Disposal .....	16.96	
02 82 33 00-0066 SF >500 To 2,500 SF, Stucco, Asbestos Abatement And Disposal.....	12.78	
02 82 33 00-0067 SF >2,500 To 10,000 SF, Stucco, Asbestos Abatement And Disposal .....	9.66	
02 82 33 00-0068 SF >10,000 SF, Stucco, Asbestos Abatement And Disposal .....	7.31	
<b>02 82 33 00-0069 Spray On Acoustical Ceiling, Asbestos Abatement And Disposal (02 82 33 00-0033)</b>		
02 82 33 00-0070 SET Up To 50 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal .....	397.49	
02 82 33 00-0071 SF >50 To 500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	6.67	
02 82 33 00-0072 SF >500 To 2,500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	5.34	
02 82 33 00-0073 SF >2,500 To 10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	3.87	
02 82 33 00-0074 SF >10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal.....	2.96	
<b>02 82 33 00-0075 Plywood, Asbestos Abatement And Disposal (02 82 33 00-0033)</b>		
02 82 33 00-0076 SET Up To 40 SF, Plywood, Asbestos Abatement And Disposal.....	394.79	
02 82 33 00-0077 SF >50 To 500 SF, Plywood, Asbestos Abatement And Disposal.....	8.43	
02 82 33 00-0078 SF >500 To 2,500 SF, Plywood, Asbestos Abatement And Disposal.....	4.20	
02 82 33 00-0079 SF >2,500 To 10,000 SF, Plywood, Asbestos Abatement And Disposal.....	2.92	
02 82 33 00-0080 SF >10,000 SF, Plywood, Asbestos Abatement And Disposal.....	2.52	
<b>02 82 33 00-0081 Flooring Material, Asbestos Abatement And Disposal (02 82 33)</b>		
<b>02 82 33 00-0082 Floor Tile, Linoleum, Carpet Or Base, Asbestos Abatement And Disposal (02 82 33 00-0081)</b>		
<b>02 82 33 00-0083 Floor Tile Or Linoleum, Asbestos Abatement And Disposal (02 82 33 00-0082)</b>		
Note: Single layer or first of multiple layers. Excludes mastic.		
02 82 33 00-0084 SET Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal.....	386.67	
02 82 33 00-0085 SF >100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal.....	4.20	
For Each Additional Layer, Add	1.05	
02 82 33 00-0086 SF >500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal.....	3.46	
For Each Additional Layer, Add	0.87	
02 82 33 00-0087 SF >2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal.....	2.79	
For Each Additional Layer, Add	0.70	
02 82 33 00-0088 SF >10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Asbestos Abatement And Disposal .....	1.98	
For Each Additional Layer, Add	0.50	
<b>02 82 33 00-0089 Carpet, Asbestos Abatement And Disposal (02 82 33 00-0082)</b>		
02 82 33 00-0090 SET Up To 100 SF, Non-Friable Carpet, Asbestos Abatement And Disposal .....	386.67	
02 82 33 00-0091 SF >100 To 500 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	3.28	
02 82 33 00-0092 SF >500 To 2,500 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	2.68	
02 82 33 00-0093 SF >2,500 To 10,000 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	2.00	
02 82 33 00-0094 SF >10,000 SF, Non-Friable Carpet, Asbestos Abatement And Disposal.....	1.56	
<b>02 82 33 00-0095 Wall Or Cove Base, Asbestos Abatement And Disposal (02 82 33 00-0082)</b>		
Note: Up to 12".		
02 82 33 00-0096 SET Up To 25 LF, Wall Base And Mastic, Asbestos Abatement And Disposal .....	147.37	
02 82 33 00-0097 LF >25 To 100 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	2.70	
02 82 33 00-0098 LF >100 To 500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	1.67	
02 82 33 00-0099 LF >500 To 2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	1.10	
02 82 33 00-0100 LF >2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	0.82	
<b>02 82 33 00-0101 Mastic, Asbestos Abatement And Disposal (02 82 33 00-0081)</b>		
Note: Applies to single layer or bottom layer only of multiple layers. Non hydrocarbon with pine, citrus or no odor.		
02 82 33 00-0102 SET Up To 100 SF, Mastic, Asbestos Abatement And Disposal .....	390.73	
Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0103 SF >100 To 500 SF, Mastic, Asbestos Abatement And Disposal.....	1.50	
Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0104 SF >500 To 2,500 SF, Mastic, Asbestos Abatement And Disposal.....	1.12	
Note: Applies to bottom layer only if multiple layers.		



<b>Existing Conditions</b>	<b>02</b>	<b>02</b>
Facility Remediation	02 80	
Asbestos Remediation	02 82	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0105 SF >2,500 To 10,000 SF, Mastic, Asbestos Abatement And Disposal.....	0.88	
Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0106 SF >10,000 SF, Mastic, Asbestos Abatement And Disposal.....	0.72	
Note: Applies to bottom layer only if multiple layers.		
<b>02 82 33 00-0107 Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal (02 82 33 00-0081)</b>		
Note: Includes finish wood, asbestos barrier paper, cleanup of sub-wood floor, fasteners, wood fillers and protection of clean crawl space from contamination.		
02 82 33 00-0108 SET Up To 100 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	411.01	
02 82 33 00-0109 SF >100 To 500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	4.81	
02 82 33 00-0110 SF >500 To 2,500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	3.58	
02 82 33 00-0111 SF >2,500 To 10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	2.86	
02 82 33 00-0112 SF >10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	2.28	
<b>02 82 33 00-0113 Mastic Contaminated Wood Sub-Flooring, Asbestos Abatement And Disposal (02 82 33 00-0081)</b>		
Note: Includes removal of all anchors.		
02 82 33 00-0114 SF Mastic-Contaminated Wood Sub-Flooring, Asbestos Abatement And Disposal.....	2.23	
Note: Includes removal of all anchors.		
<b>02 82 33 00-0115 Roofing, Asbestos Abatement And Disposal (02 82 33)</b>		
<b>02 82 33 00-0116 Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0115)</b>		
Note: Includes roofing, flashing, sheet metal, insulation, pitch pockets, board etc.		
<b>02 82 33 00-0117 Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0116)</b>		
02 82 33 00-0118 SET Up To 125 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	513.76	
02 82 33 00-0119 SF >125 To 1,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	3.96	
02 82 33 00-0120 SF >1,000 To 5,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	3.21	
02 82 33 00-0121 SF >5,000 To 10,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	2.62	
02 82 33 00-0122 SF >10,000 To 20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	2.03	
02 82 33 00-0123 SF >20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	1.59	
<b>02 82 33 00-0124 &gt;2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0116)</b>		
02 82 33 00-0125 SET Up To 110 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	539.44	
02 82 33 00-0126 SF >110 To 1,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	4.73	
02 82 33 00-0127 SF >1,000 To 5,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	3.88	
02 82 33 00-0128 SF >5,000 To 10,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	3.23	
02 82 33 00-0129 SF >10,000 To 20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	2.55	
02 82 33 00-0130 SF >20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	2.05	
<b>02 82 33 00-0131 &gt;5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0116)</b>		
02 82 33 00-0132 SET Up To 110 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	569.18	
02 82 33 00-0133 SF >110 To 1,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	5.47	
02 82 33 00-0134 SF >1,000 To 5,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	4.52	
02 82 33 00-0135 SF >5,000 To 10,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	3.80	
02 82 33 00-0136 SF >10,000 To 20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	3.05	
02 82 33 00-0137 SF >20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	2.48	
<b>02 82 33 00-0138 Shingles And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0115)</b>		
<b>02 82 33 00-0139 Shingles And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0138)</b>		
02 82 33 00-0140 SET Up To 125 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	488.41	
Note: Single or first of multiple layers.		
02 82 33 00-0141 SF >125 To 1,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	3.76	
Note: Single or first of multiple layers.		
<i>For Each Additional Layer, Add</i>	<i>0.94</i>	

**02 Existing Conditions****02 80 Facility Remediation****02 82 Asbestos Remediation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0142 SF >1,000 To 5,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	3.01	
Note: Single or first of multiple layers.		
For Each Additional Layer, Add	0.75	
02 82 33 00-0143 SF >5,000 To 10,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	2.42	
Note: Single or first of multiple layers.		
For Each Additional Layer, Add	0.61	
02 82 33 00-0144 SF >10,000 To 20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	1.83	
Note: Single or first of multiple layers.		
For Each Additional Layer, Add	0.46	
02 82 33 00-0145 SF >20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal.....	1.39	
Note: Single or first of multiple layers.		
For Each Additional Layer, Add	0.35	
<b>02 82 33 00-0146 Roof Penetration Mastic, Asbestos Abatement And Disposal (02 82 33 00-0115)</b>		
02 82 33 00-0147 SET Up To 10 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal .....	120.67	
02 82 33 00-0148 SF >10 To 50 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal .....	1.51	
02 82 33 00-0149 SF >50 To 100 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal.....	1.25	
02 82 33 00-0150 SF >100 To 250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal.....	1.02	
02 82 33 00-0151 SF >250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal .....	0.76	
<b>02 82 33 00-0152 Roof Curb Mastic, Asbestos Abatement And Disposal (02 82 33 00-0115)</b>		
02 82 33 00-0153 SET Up To 10 LF, Roof Curb Mastic, Asbestos Abatement And Disposal .....	120.67	
02 82 33 00-0154 LF >10 To 20 LF, Roof Curb Mastic, Asbestos Abatement And Disposal .....	4.39	
02 82 33 00-0155 LF >20 To 50 LF, Roof Curb Mastic, Asbestos Abatement And Disposal .....	3.53	
02 82 33 00-0156 LF >50 To 150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....	2.95	
02 82 33 00-0157 LF >150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal.....	2.15	
<b>02 82 33 00-0158 Asbestos-Cement Products, Asbestos Abatement And Disposal (02 82 33)</b>		
<b>02 82 33 00-0159 Interior Asbestos-Cement Board, Asbestos Abatement And Disposal (02 82 33 00-0158)</b>		
Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0160 SET Up To 100 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	397.48	
Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0161 SF >100 To 500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal .....	4.07	
Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0162 SF >500 To 2,500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal .....	2.10	
Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0163 SF >2,500 To 10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal .....	1.70	
Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0164 SF >10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal .....	1.51	
Note: Includes detachment of mounted objects before removal.		
<b>02 82 33 00-0165 Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal (02 82 33 00-0158)</b>		
02 82 33 00-0166 SET Up To 100 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal .....	397.48	
02 82 33 00-0167 SF >100 To 500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal .....	3.55	
02 82 33 00-0168 SF >500 To 2,500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal .....	1.89	
02 82 33 00-0169 SF >2,500 To 10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	1.54	
02 82 33 00-0170 SF >10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal .....	1.35	
<b>02 82 33 00-0171 Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal (02 82 33 00-0158)</b>		
02 82 33 00-0172 SET Up To 10 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal .....	304.19	
02 82 33 00-0173 LF >10 To 100 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal .....	21.26	
02 82 33 00-0174 LF >100 To 250 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal .....	16.34	
02 82 33 00-0175 LF >250 To 500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal .....	12.67	
02 82 33 00-0176 LF >500 To 2,500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	9.90	
02 82 33 00-0177 LF >2,500 To 10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	7.83	
02 82 33 00-0178 LF >10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	7.69	
<b>02 82 33 00-0179 Exterior Transite Siding, Asbestos Abatement And Disposal (02 82 33 00-0158)</b>		
02 82 33 00-0180 SET Up To 125 SF, Exterior Transite Siding, Asbestos Abatement And Disposal .....	406.88	
Note: Single or first of multiple layers.		
02 82 33 00-0181 SF >125 To 1,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	3.21	
Note: Single or first of multiple layers.		
02 82 33 00-0182 SF >1,000 To 5,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	2.59	
Note: Single or first of multiple layers.		
02 82 33 00-0183 SF >5,000 To 10,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal .....	2.10	
Note: Single or first of multiple layers.		
02 82 33 00-0184 SF >10,000 To 20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal .....	1.62	
Note: Single or first of multiple layers.		
02 82 33 00-0185 SF >20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal .....	1.24	
Note: Single or first of multiple layers.		



<b>Existing Conditions</b>	<b>02</b>
<b>Facility Remediation</b>	<b>02 80</b>
<b>Asbestos Remediation</b>	<b>02 82</b>

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0186 Asbestos Contaminated Debris, Asbestos Abatement And Disposal (02 82 33)		
02 82 33 00-0187 Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal (02 82 33 00-0186)		
Note: For non-attic/crawl space surface cleaning including walls, floors, equipment, and furniture.		
02 82 33 00-0188 SET Up To 10 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal.....	145.34	
02 82 33 00-0189 SF >10 To 100 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal.....	0.61	
02 82 33 00-0190 SF >100 To 500 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal .....	0.42	
02 82 33 00-0191 SF >500 To 1,000 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal .....	0.36	
02 82 33 00-0192 SF >1,000 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal.....	0.33	
02 82 33 00-0193 Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal (02 82 33 00-0186)		
02 82 33 00-0194 SET Up To 10 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal .....	293.38	
02 82 33 00-0195 SF >10 To 100 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal .....	10.14	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0196 SF >100 To 250 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal .....	7.02	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0197 SF >250 To 500 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal .....	5.34	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0198 SF >500 To 2,500 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal .....	4.38	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0199 SF >2,500 To 10,000 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal .....	3.90	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0200 SF >10,000 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal .....	3.42	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0201 SET Up To 10 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal .....	393.43	
02 82 33 00-0202 SF >10 To 100 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal .....	20.03	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0203 SF >100 To 250 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal .....	13.67	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0204 SF >250 To 500 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal .....	10.51	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0205 SF >500 To 2,500 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal .....	8.59	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0206 SF >2,500 To 10,000 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal .....	7.44	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0207 SF >10,000 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal .....	6.79	
For Batt Insulation Removal, Add	2.00	
For Encapsulated Soil, Add	1.00	
For Work In Restricted Working Space, Add	1.00	
02 82 33 00-0208 SET Up To 10 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal .....	496.18	

**02 Existing Conditions****02 80 Facility Remediation****02 82 Asbestos Remediation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0209	SF		>10 To 100 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	39.80	
			<i>For Batt Insulation Removal, Add</i>	2.00	
			<i>For Encapsulated Soil, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	1.00	
02 82 33 00-0210	SF		>100 To 250 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	27.07	
			<i>For Batt Insulation Removal, Add</i>	2.00	
			<i>For Encapsulated Soil, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	1.00	
02 82 33 00-0211	SF		>250 To 500 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	20.74	
			<i>For Batt Insulation Removal, Add</i>	2.00	
			<i>For Encapsulated Soil, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	1.00	
02 82 33 00-0212	SF		>500 To 2,500 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	16.89	
			<i>For Batt Insulation Removal, Add</i>	2.00	
			<i>For Encapsulated Soil, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	1.00	
02 82 33 00-0213	SF		>2,500 To 10,000 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	14.60	
			<i>For Batt Insulation Removal, Add</i>	2.00	
			<i>For Encapsulated Soil, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	1.00	
02 82 33 00-0214	SF		>10,000 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal.....	13.30	
			<i>For Batt Insulation Removal, Add</i>	2.00	
			<i>For Encapsulated Soil, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	1.00	
<b>02 82 33 00-0215</b>			<b>Asbestos Contaminated Debris, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0186)</small>		
02 82 33 00-0216	SET		Up To 10 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	400.19	
			<i>For Work In Restricted Working Space, Add</i>	115.19	
02 82 33 00-0217	CF		>10 To 100 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	39.80	
			<i>For Work In Restricted Working Space, Add</i>	11.45	
02 82 33 00-0218	CF		>100 To 250 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	27.07	
			<i>For Work In Restricted Working Space, Add</i>	7.64	
02 82 33 00-0219	CF		>250 To 500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	20.74	
			<i>For Work In Restricted Working Space, Add</i>	5.74	
02 82 33 00-0220	CF		>500 To 2,500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	16.89	
			<i>For Work In Restricted Working Space, Add</i>	4.58	
02 82 33 00-0221	CF		>2,500 To 10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	14.60	
			<i>For Work In Restricted Working Space, Add</i>	3.89	
02 82 33 00-0222	CF		>10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	13.30	
			<i>For Work In Restricted Working Space, Add</i>	3.50	
<b>02 82 33 00-0223</b>			<b>Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0186)</small>		
02 82 33 00-0224	SET		Up To 4 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	319.12	
02 82 33 00-0225	EA		>4 To 40 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	42.15	
02 82 33 00-0226	EA		>40 To 60 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	30.70	
02 82 33 00-0227	EA		>60 To 125 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	25.00	
02 82 33 00-0228	EA		>125 To 625 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	21.54	
02 82 33 00-0229	EA		>625 To 1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	19.47	
02 82 33 00-0230	EA		>1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	18.30	
<b>02 82 33 00-0231</b>			<b>Other Asbestos Containing Materials, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0231)</small>		
<b>02 82 33 00-0232</b>			<b>30" To 36" Fire Door, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0231)</small>		
02 82 33 00-0233	SET		Up To 1 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	199.28	
02 82 33 00-0234	EA		>1 To 20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	76.41	
02 82 33 00-0235	EA		>20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	69.50	
<b>02 82 33 00-0236</b>			<b>HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0231)</small>		
02 82 33 00-0237	SET		Up To 10 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	192.32	
02 82 33 00-0238	LF		>10 To 50 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	3.96	
02 82 33 00-0239	LF		>50 To 100 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	2.97	
02 82 33 00-0240	LF		>100 To 250 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	2.57	
02 82 33 00-0241	LF		>250 To 1,000 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	2.21	
02 82 33 00-0242	LF		>1,000 To 2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	1.90	
02 82 33 00-0243	LF		>2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal.....	1.64	
<b>02 82 33 00-0244</b>			<b>Grout, Asbestos Abatement And Disposal</b> <small>(02 82 33 00-0231)</small>		
			Note: e.g. flue grout.		
02 82 33 00-0245	SET		Up To 10 LF, Grout, Asbestos Abatement And Disposal.....	192.20	



<b>Existing Conditions</b>	<b>02</b>	<b>02</b>
Facility Remediation	02 80	
Asbestos Remediation	02 82	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0246 LF >10 To 50 LF, Grout, Asbestos Abatement And Disposal .....	7.58	
02 82 33 00-0247 LF >50 To 100 LF, Grout, Asbestos Abatement And Disposal .....	5.23	
02 82 33 00-0248 LF >100 To 250 LF, Grout, Asbestos Abatement And Disposal .....	4.47	
02 82 33 00-0249 LF >250 To 1,000 LF, Grout, Asbestos Abatement And Disposal .....	3.85	
02 82 33 00-0250 LF >1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal .....	3.32	
02 82 33 00-0251 LF >2,500 LF, Grout, Asbestos Abatement And Disposal.....	2.84	
<b>02 82 33 00-0252 Gaskets, Asbestos Abatement And Disposal</b> (02 82 33 00-0231)		
Note: e.g. rope, web cloth, flat.		
02 82 33 00-0253 SET Up To 10 LF, Gaskets, Asbestos Abatement And Disposal.....	192.32	
02 82 33 00-0254 LF >10 To 50 LF, Gaskets, Asbestos Abatement And Disposal .....	10.21	
02 82 33 00-0255 LF >50 To 250 LF, Gaskets, Asbestos Abatement And Disposal .....	7.67	
02 82 33 00-0256 LF >250 To 500 LF, Gaskets, Asbestos Abatement And Disposal .....	6.54	
02 82 33 00-0257 LF >500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal .....	5.88	
02 82 33 00-0258 LF >1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal .....	5.29	
02 82 33 00-0259 LF >2,500 LF, Gaskets, Asbestos Abatement And Disposal .....	5.04	
<b>02 82 33 00-0260 Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal</b> (02 82 33 00-0231)		
Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'.		
02 82 33 00-0261 SET Up To 50 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal.....	390.73	
02 82 33 00-0262 SF >50 To 1,000 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal .....	8.30	
02 82 33 00-0263 SF >1,000 To 2,500 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal .....	4.07	
02 82 33 00-0264 SF >2,500 To 10,000 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal .....	2.79	
02 82 33 00-0265 SF >10,000 SF, Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal .....	2.39	
<b>02 82 33 00-0266 Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal</b> (02 82 33 00-0231)		
Note: Includes ceiling tile, asbestos barrier paper, and furring strips.		
02 82 33 00-0267 SET Up To 50 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	387.62	
02 82 33 00-0268 SF >50 To 1,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	8.30	
02 82 33 00-0269 SF >1,000 To 2,500 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal .....	4.07	
02 82 33 00-0270 SF >2,500 To 10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal .....	2.79	
02 82 33 00-0271 SF >10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal.....	2.39	
<b>02 82 33 00-0272 Caulking, Asbestos Abatement And Disposal</b> (02 82 33 00-0231)		
<b>02 82 33 00-0273 Non Friable Caulking, Asbestos Abatement And Disposal</b> (02 82 33 00-0272)		
02 82 33 00-0274 SET Up To 10 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal .....	192.20	
02 82 33 00-0275 LF >10 To 50 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal .....	5.69	
02 82 33 00-0276 LF >50 To 100 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal .....	4.01	
02 82 33 00-0277 LF >100 To 250 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal .....	3.00	
02 82 33 00-0278 LF >250 To 1,000 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal .....	2.25	
02 82 33 00-0279 LF >1,000 To 2,500 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal .....	1.78	
02 82 33 00-0280 LF >2,500 LF, Non Friable Asbestos Or Polychlorinated Biphenyl (PCB) Contaminated Caulking, Asbestos Abatement And Disposal .....	1.55	
<b>02 82 33 00-0281 Asbestos Contaminated Paint, Asbestos Abatement And Disposal</b> (02 82 33 00-0231)		
Note: Exposed surface area, includes associated overspray.		
02 82 33 00-0282 SET Up To 10 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal .....	240.66	
02 82 33 00-0283 SF >10 To 500 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal .....	23.62	
02 82 33 00-0284 SF >500 To 2,500 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal .....	17.74	
02 82 33 00-0285 SF >2,500 To 10,000 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal .....	13.32	
02 82 33 00-0286 SF >10,000 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal .....	10.00	
<b>02 82 33 00-0287 Tackboards/Chalkboards/Markerboards With Mastic, Asbestos Abatement And Disposal</b> (02 82 33 00-0231)		
02 82 33 00-0288 SF Tackboards/Chalkboards/Markerboards With Mastic, Asbestos Abatement And Disposal .....	2.54	
02 82 33 00-0289 SF Mastic On Walls, Asbestos Abatement And Disposal.....	9.67	
<b>02 82 33 00-0290 Other Material, Asbestos Abatement And Disposal</b> (02 82 33 00-0231)		
02 82 33 00-0291 LF Chemical Countertops, Asbestos Abatement And Disposal .....	13.34	
02 82 33 00-0292 EA Chemical Fume Hood, Asbestos Abatement And Disposal .....	758.85	



**02 Existing Conditions****02 80 Facility Remediation****02 82 Asbestos Remediation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 82 33 00-0293	Wire Insulation, Asbestos Abatement And Disposal	(02 82 33 00-0231)	
02 82 33 00-0294	Wire Insulation, Asbestos Abatement And Disposal	(02 82 33 00-0293)	
02 82 33 00-0295	SET Up To 10 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal		96.21
02 82 33 00-0296	LF >10 To 50 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal		2.14
02 82 33 00-0297	LF >50 To 100 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal		1.52
02 82 33 00-0298	LF >100 To 250 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal		1.14
02 82 33 00-0299	LF >250 To 1,000 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal		0.85
02 82 33 00-0300	LF >1,000 To 2,500 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal		0.69
02 82 33 00-0301	LF >2,500 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal		0.60

**02 83 Lead Remediation** (02 80)

Note: Tasks include materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete removal and disposal of lead contaminated materials in accordance with EPA and local regulations. Where types of Lead are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0032 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0010 for decontamination chambers.

**02 83 19 Lead-Based Paint Remediation** (02 83)**02 83 19 13 Lead-Based Paint Abatement** (02 83 19)

02 83 19 13-0001	Lead Sampling And Testing	(02 83 19 13)	
	Note: Includes taking sample, delivery to lab and lab fee.		
02 83 19 13-0002	EA X-Ray Fluorescence (XRF) Lead Testing Including Technician, 3 Readings Per Surface And Lab Fee		40.73
02 83 19 13-0003	EA Toxicity Characteristic Leaching Procedure (TCLP) Lead Test (5 Day Turnaround) And Lab Fee		38.99
02 83 19 13-0004	EA Toxicity Characteristic Leaching Procedure (TCLP) Lead Test (48 Hour Turnaround) And Lab Fee		59.08
02 83 19 13-0005	EA Toxicity Characteristic Leaching Procedure (TCLP) Lead Test (24 Hour Turnaround) And Lab Fee		82.70
02 83 19 13-0006	EA Total Threshold Leaching Concentration (TTL) Lead Test (5 Day Turnaround) And Lab Fee		15.36
02 83 19 13-0007	EA Total Threshold Leaching Concentration (TTL) Lead Test (24 Hour Turnaround) And Lab Fee		23.63
02 83 19 13-0008	EA Total Threshold Leaching Concentration (TTL) Lead Test (8 Hour Turnaround) And Lab Fee		29.54
02 83 19 13-0009	EA Soluble Threshold Limit Concentration (STLC) Lead Test (5 Day Turnaround) And Lab Fee		38.99
02 83 19 13-0010	EA Soluble Threshold Limit Concentration (STLC) Lead Test (3 Day Turnaround) And Lab Fee		59.08
02 83 19 13-0011	EA Lead Wipe Samples (5 Day Turnaround) And Lab Fee		6.50
02 83 19 13-0012	EA Lead Wipe Samples (24 Hour Turnaround) And Lab Fee		8.86
02 83 19 13-0013	EA Lead Wipe Samples (8 Hour Turnaround) And Lab Fee		13.00
02 83 19 13-0014	EA Lead Air Samples (5 Day Turn -Around) And Lab Fee		6.50
02 83 19 13-0015	EA Lead Air Samples (24 Hour Turnaround) And Lab Fee		8.86
02 83 19 13-0016	EA Lead Air Samples (8 Hour Turnaround) And Lab Fee		13.00
02 83 19 13-0017	EA Lead Water Test (5 Day Turnaround) and Lab Fee		23.63
02 83 19 13-0018	EA Lead Water Test (24 Hour Turnaround) and Lab Fee		35.44
02 83 19 13-0019	EA Lead Water Test (8 Hour Turnaround) and Lab Fee		47.26
02 83 19 13-0020	EA Lead Paint Chip Test (5 Day Turnaround) and Lab Fee		24.44
02 83 19 13-0021	EA Lead Soil Test (5 Day Turnaround) and Lab Fee		48.88

**02 83 19 13-0022 Chemical Stripping Of Lead Contaminated Material** (02 83 19 13)

Note: Per 0.02" (20 mils) application. Manufacture recommended operating temperatures not to be below 50 degrees. Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not limited to, chromium, cadmium and mercury.

02 83 19 13-0023	SF Balustrades, Chemical Stripping Of Lead Contaminated Material		17.59
02 83 19 13-0024	SF Balustrades, Ornate, Chemical Stripping Of Lead Contaminated Material		25.92
02 83 19 13-0025	LF Up To 6" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material		7.61
02 83 19 13-0026	LF >6" To 12" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material		15.33
02 83 19 13-0027	SF Cornice, Chemical Stripping Of Lead Contaminated Material		8.41
02 83 19 13-0028	SF Cornice, Ornate, Chemical Stripping Of Lead Contaminated Material		23.15
02 83 19 13-0029	SF Brick, Concrete Block, Concrete, Chemical Stripping Of Lead Contaminated Material		5.25
02 83 19 13-0030	SF Plaster, Stucco and Drywall Surfaces, Chemical Stripping Of Lead Contaminated Material		7.13
02 83 19 13-0031	SF Cabinets, Chemical Stripping Of Lead Contaminated Material		14.70
02 83 19 13-0032	SF Cabinets, Ornate, Chemical Stripping Of Lead Contaminated Material		18.65
02 83 19 13-0033	SF Columns, Chemical Stripping Of Lead Contaminated Material		6.94
02 83 19 13-0034	SF Flush Doors, One Side, Chemical Stripping Of Lead Contaminated Material		6.08
02 83 19 13-0035	SF Raised Panel Doors and Decorative Doors, Chemical Stripping Of Lead Contaminated Material		8.49
02 83 19 13-0036	SF Sectional Panel Or Roll-Up Doors, Chemical Stripping Of Lead Contaminated		10.85
02 83 19 13-0037	EA Electrical Devices, Chemical Stripping Of Lead Contaminated Material		30.56
02 83 19 13-0038	LF Door Frames, Chemical Stripping Of Lead Contaminated Material		7.72
02 83 19 13-0039	SF Wood Floors, Chemical Stripping Of Lead Contaminated Material		4.37
02 83 19 13-0040	SF HVAC Grilles, Chemical Stripping Of Lead Contaminated Material		15.68
02 83 19 13-0041	SF HVAC Grilles, Ornate, Chemical Stripping Of Lead Contaminated Material		18.65
02 83 19 13-0042	EA Hinges, Chemical Stripping Of Lead Contaminated Material		10.07
02 83 19 13-0043	EA Up To 6" Diameter Hangers, Chemical Stripping Of Lead Contaminated Material		12.32
02 83 19 13-0044	LF Up To 2" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material		3.53
02 83 19 13-0045	LF >2" To 4" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material		5.54
02 83 19 13-0046	LF >4" To 8" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material		9.88
02 83 19 13-0047	LF >8" To 12" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material		13.49
02 83 19 13-0048	LF >12" To 16" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material		24.06
02 83 19 13-0049	SF >16" Diameter Pipes, Chemical Stripping Of Lead Contaminated Material, SF Of Surface Area		7.14



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0050 EA Up To 12 SF Radiators, Chemical Stripping Of Lead Contaminated Material .....	141.20	
02 83 19 13-0051 SF Flat And Raised Panel Wood Shutters, Chemical Stripping Of Lead Contaminated Material .....	10.55	
02 83 19 13-0052 SF Louvered Wood Shutters, Chemical Stripping Of Lead Contaminated Material .....	11.47	
02 83 19 13-0053 SF Siding, Chemical Stripping Of Lead Contaminated Material .....	5.92	
02 83 19 13-0054 SF Soffit, Chemical Stripping Of Lead Contaminated Material .....	11.94	
02 83 19 13-0055 SF Flat Steel Surfaces, Chemical Stripping Of Lead Contaminated Material .....	5.64	
02 83 19 13-0056 SF Corrugated Steel, Chemical Stripping Of Lead Contaminated Material .....	6.37	
02 83 19 13-0057 SF Steel Beams and Columns, Chemical Stripping Of Lead Contaminated Material .....	6.35	
02 83 19 13-0058 SF Trusses, Chemical Stripping Of Lead Contaminated Material .....	8.88	
02 83 19 13-0059 SF Wood Surfaces, Chemical Stripping Of Lead Contaminated Material .....	6.35	
02 83 19 13-0060 SF Windows, One Side, 1/1 Light, Chemical Stripping Of Lead Contaminated Material .....	14.27	
02 83 19 13-0061 SF Windows, One Side, 2/2 Light, Chemical Stripping Of Lead Contaminated Material .....	15.59	
02 83 19 13-0062 SF Windows, One Side, 4/4 Light, Chemical Stripping Of Lead Contaminated Material .....	16.48	
02 83 19 13-0063 SF Windows, One Side, 6/6 Light, Chemical Stripping Of Lead Contaminated Material .....	17.38	
02 83 19 13-0064 SF Windows, One Side, 8/8 Light Chemical Stripping Of Lead Contaminated Material .....	18.28	
02 83 19 13-0065 SF Windows, One Side, 10/10 Light, Chemical Stripping Of Lead Contaminated Material .....	19.21	
02 83 19 13-0066 SF Windows, One Side, 12/12 light Chemical Stripping Of Lead Contaminated Material .....	20.07	
02 83 19 13-0067 SF Windows, One Side, 14/14 Light, Chemical Stripping Of Lead Contaminated Material .....	20.52	
02 83 19 13-0068 SF Windows, One Side, 16/16 Light Chemical Stripping Of Lead Contaminated Material .....	20.98	
02 83 19 13-0069 SF Windows, One Side, 20/20 Light, Chemical Stripping Of Lead Contaminated Material .....	21.41	
02 83 19 13-0070 SF Metal Stairs, Chemical Stripping Of Lead Contaminated Material .....	28.48	
02 83 19 13-0071 LF Metal Single Hand Rail, Chemical Stripping Of Lead Contaminated Material .....	5.06	
02 83 19 13-0072 SF Metal Railing And Posts, Chemical Stripping Of Lead Contaminated Material .....	14.63	
Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.		
02 83 19 13-0073 SF Metal Picket Fence, Chemical Stripping Of Lead Contaminated Material .....	15.87	
<b>02 83 19 13-0074</b>	<b>Demolish Lead Contaminated Material</b> <small>(02 83 19 13)</small>	
Note: Includes waste handling, packing, all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.		
02 83 19 13-0075 SF Demolish Ceiling Suspension System, Lead Contaminated Material .....	1.23	
02 83 19 13-0076 SF Demolish Plaster Or Stucco, And Lath, Lead Contaminated Material .....	1.78	
02 83 19 13-0077 SF Demolish Walls, Gypsum Board, Lead Contaminated Material .....	0.58	
02 83 19 13-0078 SF Demolish Suspended Ceiling System And Tile, Lead Contaminated Material .....	0.72	
02 83 19 13-0079 SF Demolish Acoustical Ceiling Tile, Lead Contaminated Material .....	0.46	
02 83 19 13-0080 SF Demolish Metal Pan Grid System, Lead Contaminated Material .....	0.71	
02 83 19 13-0081 EA Demolish Ceiling And Recessed Light Fixtures, Lead Contaminated Material .....	34.24	
02 83 19 13-0082 EA Demolish >2' x 4' Light Fixtures, Lead Contaminated Material .....	45.42	
02 83 19 13-0083 SF Demolish Non Load Bearing Partitions Of Plaster Or Stucco, Lath And Studs, Lead Contaminated Material .....	5.08	
02 83 19 13-0084 SF Demolish Non Load Bearing Partitions Of Gypsum Board And Studs, Lead Contaminated Material .....	2.84	
02 83 19 13-0085 SF Demolish Brick, Lead Contaminated Material .....	2.14	
02 83 19 13-0086 SF Demolish Concrete Block, Lead Contaminated Material .....	2.76	
02 83 19 13-0087 SF Demolish Tile, Lead Contaminated Material .....	2.07	
02 83 19 13-0088 SF Removal Of Lead Paint On Brick Or Concrete Block, Lead Contaminated Material .....	3.12	
02 83 19 13-0089 IN Drilling, Up To 1/2" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth .....	2.43	
02 83 19 13-0090 IN Drilling, >1/2" To 1" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth .....	3.25	
02 83 19 13-0091 LF Demolish Wood Balustrades And Railings, Lead Contaminated Material .....	3.55	
02 83 19 13-0092 LF Demolish Up To 6" Wide Baseboard, Lead Contaminated Material .....	0.93	
02 83 19 13-0093 LF Demolish >6" To 12" Wide Baseboard, Lead Contaminated Material .....	1.15	
02 83 19 13-0094 LF Demolish Base Shoe Molding, Lead Contaminated Material .....	0.75	
02 83 19 13-0095 SF Demolish Concrete, Lead Contaminated Material .....	7.06	
02 83 19 13-0096 LF Demolish Cabinets, Lead Contaminated Material .....	16.45	
02 83 19 13-0097 SF Demolish Ceilings, Gypsum Board, Lead Contaminated Material .....	0.93	
02 83 19 13-0098 SF Demolish Up To 12" Diameter Columns, Lead Contaminated Material .....	9.12	
02 83 19 13-0099 SF Demolish Cornice, Lead Contaminated Material .....	1.21	
02 83 19 13-0100 EA Demolish Doors, Lead Contaminated Material .....	35.68	
02 83 19 13-0101 LF Demolish Door And Window Trim Or Frames, Lead Contaminated Material .....	1.09	
02 83 19 13-0102 EA Demolish Electrical Devices, Lead Contaminated Material .....	10.95	
02 83 19 13-0103 LF Demolish Up To 1" Diameter Electrical Conduit, Lead Contaminated Material .....	1.41	
02 83 19 13-0104 LF Demolish >1" To 2" Diameter Electrical Conduit, Lead Contaminated Material .....	2.34	
02 83 19 13-0105 SF Demolish Wood Floors, Lead Contaminated Material .....	1.69	
02 83 19 13-0106 SF Demolish Grilles, Lead Contaminated Material .....	1.98	
02 83 19 13-0107 EA Demolish Hinges, Lead Contaminated Material .....	3.99	
02 83 19 13-0108 EA Demolish Up To 6" Diameter Hangers, Lead Contaminated Material .....	8.55	
02 83 19 13-0109 LF Demolish Up To 2" Diameter Pipes, Lead Contaminated Material .....	3.51	
02 83 19 13-0110 LF Demolish >2" To 4" Diameter Pipes, Lead Contaminated Material .....	5.12	
02 83 19 13-0111 LF Demolish >4" To 8" Diameter Pipes, Lead Contaminated Material .....	7.73	
02 83 19 13-0112 LF Demolish >8" To 12" Diameter Pipes, Lead Contaminated Material .....	14.26	
02 83 19 13-0113 EA Demolish Radiators, Lead Contaminated Material .....	61.60	
02 83 19 13-0114 EA Demolish Shutters, Lead Contaminated Material .....	24.00	
02 83 19 13-0115 SF Demolish Siding, Lead Contaminated Material .....	0.95	
02 83 19 13-0116 SF Demolish Soffit, Lead Contaminated Material .....	0.81	
02 83 19 13-0117 SF Demolish Flat Steel Surfaces, Lead Contaminated Material .....	2.22	
02 83 19 13-0118 SF Demolish Steel Beams, Lead Contaminated Material .....	2.62	
02 83 19 13-0119 SF Demolish Trusses, Lead Contaminated Material .....	3.43	
02 83 19 13-0120 SF Demolish Walls, Wood, Lead Contaminated Material .....	2.53	
02 83 19 13-0121 SF Demolish Windows, Lead Contaminated Material .....	8.52	
02 83 19 13-0122 SF Demolish Metal Stair, Lead Contaminated Material .....	4.08	
02 83 19 13-0123 LF Demolish Single Metal Hand Rail, Lead Contaminated Material .....	3.00	
02 83 19 13-0124 LF Demolish Metal Railing And Posts, Lead Contaminated Material .....	4.89	

**02 Existing Conditions****02 80 Facility Remediation****02 83 Lead Remediation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0125 SF Demolish Metal Picket Fence, Lead Contaminated Material.....	1.35	
02 83 19 13-0126 SF Demolish Plywood, Lead Contaminated Material.....	3.69	
02 83 19 13-0127 SF Demolish Planks (Various Sizes), Lead Contaminated Material.....	1.80	
02 83 19 13-0128 EA Demolish Metal Brackets Or Other Small Metal Shapes, Lead Contaminated Material.....	11.24	
02 83 19 13-0129 SF Demolish Ceramic Tile Block, Lead Contaminated Material.....	2.46	
02 83 19 13-0130 LF Demolish Roof Metal Trim, Lead Contaminated Material.....	1.44	
02 83 19 13-0131 LF Demolish Rain Gutters, Lead Contaminated Material.....	2.47	
02 83 19 13-0132 LF Demolish Downspouts, Lead Contaminated Material.....	2.02	
02 83 19 13-0133 LF Demolish Roof Metal Flashing, Lead Contaminated Material.....	1.44	
02 83 19 13-0134 LF Demolish Fascia Board Up To 12", Lead Contaminated Material.....	3.60	
<b>02 83 19 13-0135 Wet Sanding Of Lead Contaminated Material (02 83 19 13)</b>		
02 83 19 13-0136 SF Wet Sand/Scrape Of Lead Contaminated Material For Prep Before New Paint.....	0.97	
<b>02 83 19 13-0137 Scrape And Sand Lead Paint (02 83 19 13)</b>		
02 83 19 13-0138 SF Hand Scrape Lead Paint From Concrete Or Masonry Surfaces.....	0.65	
02 83 19 13-0139 SF Scrape Lead Paint, Repair And Sand Severely Damaged Drywall Surfaces.....	0.67	
02 83 19 13-0140 SF Hand Scrape Lead Paint From Wood Surfaces.....	0.89	
02 83 19 13-0141 SF Hand Scraping And Sanding Lead Paint From Metal Surfaces.....	0.92	
<b>02 83 19 13-0142 Lead Abatement Encapsulation (02 83 19 13)</b>		
Note: Can also be used for asbestos contaminated encapsulation. Spray applied application unless task described otherwise.		
02 83 19 13-0143 SF Balustrades, Lead Abatement Encapsulation.....	3.17	
02 83 19 13-0144 LF Up To 6" Wide, Baseboard, Lead Abatement Encapsulation.....	3.60	
02 83 19 13-0145 LF >6" To 12" Wide, Baseboard, Lead Abatement Encapsulation.....	4.88	
02 83 19 13-0146 SF Brick, Concrete Block, Concrete, Lead Abatement Encapsulation.....	2.06	
02 83 19 13-0147 SF Ornate Cabinets, Lead Abatement Encapsulation.....	4.56	
02 83 19 13-0148 SF Simple Design Cabinets, Lead Abatement Encapsulation.....	3.72	
02 83 19 13-0149 SF Drywall Ceilings, Lead Abatement Encapsulation.....	1.31	
02 83 19 13-0150 SF Wood Ceilings, Lead Abatement Encapsulation.....	1.58	
02 83 19 13-0151 SF Acoustical And Popcorn Ceilings, Lead Abatement Encapsulation.....	1.47	
02 83 19 13-0152 SF Columns, Lead Abatement Encapsulation.....	2.47	
02 83 19 13-0153 SF Doors, Lead Abatement Encapsulation.....	5.34	
02 83 19 13-0154 LF Up To 2" Electrical Conduit, Lead Abatement Encapsulation.....	2.06	
02 83 19 13-0155 SF Picket Fence (Brush), Lead Abatement Encapsulation.....	1.50	
02 83 19 13-0156 SF Wood Floors (Roller), Lead Abatement Encapsulation.....	1.27	
02 83 19 13-0157 SF Grilles, Vents, Lead Abatement Encapsulation.....	3.41	
02 83 19 13-0158 LF Gutters And Downspouts, Lead Abatement Encapsulation.....	3.17	
02 83 19 13-0159 EA Hangers, Lead Abatement Encapsulation.....	26.55	
02 83 19 13-0160 LF Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	1.93	
02 83 19 13-0161 LF >4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	2.81	
02 83 19 13-0162 LF >8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	4.37	
02 83 19 13-0163 LF >12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	6.45	
02 83 19 13-0164 EA Radiators, Lead Abatement Encapsulation.....	115.09	
02 83 19 13-0165 EA Up To 6' Shutters, Lead Abatement Encapsulation.....	99.30	
02 83 19 13-0166 SF Siding, Lead Abatement Encapsulation.....	1.78	
02 83 19 13-0167 SF Up To 12" Soffit, Lead Abatement Encapsulation.....	2.47	
02 83 19 13-0168 SF Steel, Flat Surfaces And Tanks Up To 12', Lead Abatement Encapsulation.....	2.06	
02 83 19 13-0169 SF Steel Beams And Metal Decks, Lead Abatement Encapsulation.....	2.67	
02 83 19 13-0170 SF Trusses, Lead Abatement Encapsulation.....	2.67	
02 83 19 13-0171 SF Drywall Walls, Lead Abatement Encapsulation.....	1.16	
02 83 19 13-0172 SF Wood Walls, Lead Abatement Encapsulation.....	1.43	
02 83 19 13-0173 EA Window Without Grille, Lead Abatement Encapsulation.....	99.88	
02 83 19 13-0174 EA Window With Grille, Lead Abatement Encapsulation.....	117.43	
02 83 19 13-0175 LF Frames And Trim, Lead Abatement Encapsulation.....	1.80	
02 83 19 13-0176 LF Steel Lintels, Lead Abatement Encapsulation.....	2.07	
<b>02 83 33 Removal and Disposal of Material Containing Lead (02 83)</b>		
<b>02 83 33 13 Lead-Based Paint Removal and Disposal (02 83 33)</b>		
<b>02 83 33 13-0001 Remove Loose Dirt And Debris Containing Lead (02 83 33 13)</b>		
02 83 33 13-0002 SF HEPA Vacuum And Wet Clean Lead Contaminated Area With Mild Detergent.....	0.16	
02 83 33 13-0003 SF HEPA Vacuum And Wet Clean Lead Contaminated Area With Tri-Sodium Phosphate.....	0.22	
02 83 33 13-0004 SF HEPA Vacuum And Shampoo Lead Contaminated Carpeting.....	0.71	
<b>02 84 Polychlorinated Biphenyl Remediation (02 80)</b>		
<b>02 84 16 Handling Of Lighting Ballasts and Lamps Containing PBCs and Mercury (02 84)</b>		
<b>02 84 16 00-0001 Removal Of TSCA-Exempt PCB And Non-PCB Ballasts From Demolished Fixtures (02 84 16)</b>		
Note: Includes removal of TSCA-exempt PCB and Non-PCB ballast from demolished lighting fixture and placing ballast in an approved container for recycling.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 84 16 00-0002 EA Removal Of TSCA-Exempt Polychlorinated Biphenyl (PCB) And Non-PCB Ballast From A Demolished Fixture For Recycling.....	5.89	
<b>02 84 16 00-0003 Recycle TSCA-Exempt PCB And Non-PCB Ballasts (02 84 16)</b> Note: Non leaking ballasts. Includes containers, shipping costs and recycling fees. Excludes ballast removal.		
02 84 16 00-0004 EA Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures.....	0.99	
02 84 16 00-0005 EA Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures.....	1.48	
02 84 16 00-0006 EA Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures.....	4.60	
02 84 16 00-0007 EA Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures.....	10.51	
<b>02 84 16 00-0008 Disposal Of Leaking PCB And Non-PCB Ballasts (02 84 16)</b> Note: Disposal at an EPA approved facility. Includes containers, shipping costs and disposal fees. Excludes ballast removal.		
02 84 16 00-0009 EA Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures.....	2.46	
02 84 16 00-0010 EA Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures.....	3.69	
02 84 16 00-0011 EA Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures.....	6.90	
02 84 16 00-0012 EA Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures.....	15.76	
<b>02 84 33 Removal and Disposal of Polychlorinated Biphenyls (02 84)</b>		
<b>02 84 33 00-0001 Removal And Disposal Of Polychlorinated Biphenyls Oil Filled Transformers (02 84 33)</b> Note: Includes disposal in approved container, rigging, manifesting, hauling, etc.		
02 84 33 00-0002 EA Removal And Disposal Of Transformers 2.5/3.5 KVA, Non Polychlorinated Biphenyl (PCB).....	1,799.15	
02 84 33 00-0003 EA Removal And Disposal Of Transformers 20 KVA, Non Polychlorinated Biphenyl (PCB).....	2,811.53	
02 84 33 00-0004 EA Removal And Disposal Of Switch, Non Polychlorinated Biphenyl (PCB).....	810.65	
02 84 33 00-0005 EA Removal And Disposal Of Transformers 2.5/3.5 KVA, Polychlorinated Biphenyl (PCB).....	3,346.70	
02 84 33 00-0006 EA Removal And Disposal Of Switch, Polychlorinated Biphenyl (PCB).....	2,636.91	
02 84 33 00-0007 EA Removal And Disposal Of Transformers 20 KVA, Polychlorinated Biphenyl (PCB).....	5,254.02	
<b>02 86 Hazardous Waste Drum Handling (02 86)</b>		
<b>02 86 00 00-0001 Hazardous Waste Packaging (02 86)</b>		
<b>02 86 00 00-0002 Overpacks (02 86 00 00-0001)</b>		
<b>02 86 00 00-0003 Steel Salvage Drums, 16 Gauge (02 86 00 00-0002)</b>		
02 86 00 00-0004 EA 110 Gallon, 30" Diameter X 41" High.....	296.91	
02 86 00 00-0005 EA 85 Gallon, 26" Diameter X 38" High.....	169.01	
02 86 00 00-0006 EA 83 Gallon, 26" Diameter X 36" High.....	163.12	
02 86 00 00-0007 EA 55 Gallon, DOT 17C, 18" Diameter X 34" High.....	102.05	
02 86 00 00-0008 EA 30 Gallon, DOT 17C, 18" Diameter X 28" High.....	80.39	
02 86 00 00-0009 EA 22 Gallon, 16" Diameter X 25" High.....	54.16	
02 86 00 00-0010 EA 15 Gallon, DOT 17C, 14" Diameter X 24" High.....	48.97	
02 86 00 00-0011 EA 10 Gallon, 13.8" Diameter X 15" High.....	43.15	
<b>02 86 00 00-0012 Polyethylene Overpacks (02 86 00 00-0002)</b>		
02 86 00 00-0013 EA 95 Gallon, DOT E9618, Twist On Lid 31" Diameter X 41" High.....	335.37	
02 86 00 00-0014 EA 20 Gallon, Labpack, Twist On Lid 21" Diameter X 7.5" High.....	61.98	
02 86 00 00-0015 EA 85 Gallon, DOT E9775, Clamp Ring Lid, 27" Diameter X 41" High.....	303.47	
<b>02 86 00 00-0016 Composite Overpacks (02 86 00 00-0002)</b>		
02 86 00 00-0017 EA 55 Gal, DOT 17C, Steel Drum Nested With 2-20 Gallon Fiber Drums.....	164.68	
02 86 00 00-0018 EA 55 Gal, DOT 17C, Steel Drum Nested With 4-10 Gallon Fiber Drums.....	225.99	
02 86 00 00-0019 EA 85 Gal, 16 Gauge Salvage Drum Nested With 3-20 Gallon Fiber Drums.....	306.52	
<b>02 86 00 00-0020 DOT E-9168 Exempt Packaging (02 86 00 00-0002)</b>		
02 86 00 00-0021 EA 32 Oz Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168.....	14.21	
02 86 00 00-0022 EA 950 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168.....	14.99	
02 86 00 00-0023 EA 500 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168.....	14.66	
02 86 00 00-0024 EA 250 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168.....	7.26	
02 86 00 00-0025 EA Can, Carton, Insert, Tape - Corrosive And Flammable - UPS.....	8.82	
02 86 00 00-0026 EA 16 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS.....	6.32	
02 86 00 00-0027 EA 32 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS.....	8.22	
<b>02 86 00 00-0028 Steel Drums (02 86 00 00-0001)</b>		
<b>02 86 00 00-0029 UN Rated Steel Drums (02 86 00 00-0028)</b>		
02 86 00 00-0030 EA UN 1A2/X 320/S 55 Gallon, Open, 16 Gauge, Steel Drum.....	105.79	

**02 Existing Conditions****02 80 Facility Remediation****02 86 Hazardous Waste Drum Handling**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 86 00 00-0031	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (25-49)	941.24
02 86 00 00-0032	EA	8 Gallon, 17C, Open, Steel Drum	55.29
02 86 00 00-0033	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (10-24)	759.53
02 86 00 00-0034	EA	55 Gallon Reconditioned Steel 17h Drum (50+)	54.09
02 86 00 00-0035	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (25-49)	745.24
02 86 00 00-0036	EA	55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (10-24)	1,090.29
02 86 00 00-0037	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (50+)	892.24
02 86 00 00-0038	EA	UN 1A2/X 320/S 55 Gallon, Closed, 16 Gauge, Steel Drum	99.99
02 86 00 00-0039	EA	UN 1A2/Y 1.4/100 55 Gallon, Open, 16 Gauge, Steel Drum	81.08
02 86 00 00-0040	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (1-9)	986.16
02 86 00 00-0041	EA	55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (25-49)	1,069.87
02 86 00 00-0042	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (50+)	671.73
02 86 00 00-0043	EA	55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (50+)	963.70
02 86 00 00-0044	EA	UN 1A2/Y 1.4/100 55 Gallon, Closed, 16 Gauge, Steel Drum	63.89
02 86 00 00-0045	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (10-24)	967.79
02 86 00 00-0046	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (1-9)	632.94
02 86 00 00-0047	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (10-24)	608.44
02 86 00 00-0048	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (1-9)	1,029.04
02 86 00 00-0049	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (25-49)	871.83
02 86 00 00-0050	EA	UN 1A2/X 160/S 30 Gallon, Open, 18 Gauge, Steel Drum	74.07
02 86 00 00-0051	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (50+)	826.91
02 86 00 00-0052	EA	UN 1A2/Y 1.4/100 30 Gallon, Open, 18 Gauge, Steel Drum	62.96
02 86 00 00-0053	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (10-24)	1,004.54
02 86 00 00-0054	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (25-49)	581.90
02 86 00 00-0055	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (50+)	561.48
02 86 00 00-0056	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (25-49)	986.16
02 86 00 00-0057	EA	30 Gallon, 17E, Open, Steel Drum	45.67
02 86 00 00-0058	EA	55 Gallon Reconditioned Steel 17h Drum (1-9)	79.34
02 86 00 00-0059	EA	20 Gallon, 17C, Open, Steel Drum	64.19
02 86 00 00-0060	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (50+)	888.16
02 86 00 00-0061	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (1-9)	1,063.75
02 86 00 00-0062	EA	55 Gallon Reconditioned Steel 17h Drum (10-24)	70.32
02 86 00 00-0063	EA	55 Gallon Reconditioned Steel 17h Drum (25-49)	61.30
02 86 00 00-0064	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (1-9)	777.91
02 86 00 00-0065	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (10-24)	1,043.33
02 86 00 00-0066	EA	20 Gallon, 17E, Open, Steel Drum	43.21

**02 86 00 00-0067 Plastic Drums** (02 86 00 00-0001)**02 86 00 00-0068 Polyethylene Closed Head Drums** (02 86 00 00-0067)

Note: Closed head drums have standard NPS (National Pipe Standard) plug and drain vents. Primarily for liquids.

02 86 00 00-0069	EA	55 Gallon Polyethylene Closed Head Drums	66.41
02 86 00 00-0070	EA	35 Gallon Polyethylene Closed Head Drums	50.98
02 86 00 00-0071	EA	30 Gallon Polyethylene Closed Head Drums	46.29
02 86 00 00-0072	EA	20 Gallon Polyethylene Closed Head Drums	32.34
02 86 00 00-0073	EA	15 Gallon Polyethylene Closed Head Drums	31.73

**02 86 00 00-0074 Polyethylene Open Head Drums** (02 86 00 00-0067)

Note: Open head drums are primarily used for solids and sludge.

02 86 00 00-0075	EA	55 Gallon Polyethylene Open Head Drums	83.94
02 86 00 00-0076	EA	35 Gallon Polyethylene Open Head Drums	61.72
02 86 00 00-0077	EA	30 Gallon Polyethylene Open Head Drums	58.64
02 86 00 00-0078	EA	20 Gallon Polyethylene Open Head Drums	43.21
02 86 00 00-0079	EA	15 Gallon Polyethylene Open Head Drums	37.03

**02 86 00 00-0080 Fiber Drums** (02 86 00 00-0001)**02 86 00 00-0081 Steel Top/Fiber Bottom Drums, Hazardous** (02 86 00 00-0080)

Note: Waste fiber drums have tubular rubber gaskets and caulked bottom seams.

02 86 00 00-0082	EA	30 Gallon Fiber Drum DOT-21C (1-9)	50.86
02 86 00 00-0083	EA	30 Gallon Fiber Drum DOT-21C (10-24)	47.65
02 86 00 00-0084	EA	30 Gallon Fiber Drum DOT-21C (25-49)	43.45
02 86 00 00-0085	EA	30 Gallon Fiber Drum DOT-21C (50+)	42.96
02 86 00 00-0086	EA	55 Gallon Fiber Drum DOT-21C (1-9)	52.34
02 86 00 00-0087	EA	55 Gallon Fiber Drum DOT-21C (10-24)	49.38
02 86 00 00-0088	EA	55 Gallon Fiber Drum DOT-21C (25-49)	45.67
02 86 00 00-0089	EA	55 Gallon Fiber Drum DOT-21C (50-99)	44.19
02 86 00 00-0090	EA	55 Gallon Fiber Drum DOT-21C (100+)	38.27
02 86 00 00-0091	EA	10 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	32.59
02 86 00 00-0092	EA	20 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	35.55
02 86 00 00-0093	EA	20 Gallon, 23" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	41.48

**02 86 00 00-0094 Loading Hazardous Waste For Shipment** (02 86 00 00-0001)

02 86 00 00-0095	EA	Load Drums On Disposal Truck	5.28
02 86 00 00-0096	EA	Load Liquid Or Sludge Into 5,000 Gallon Bulk Tank Truck	615.49



<b>Existing Conditions</b>	<b>02</b>	<b>02</b>
<b>Facility Remediation</b>	<b>02 80</b>	
<b>Hazardous Waste Drum Handling</b>	<b>02 86</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 86 00 00-0097	Transport Drums To Landfill <small>(02 86 00 00-0001)</small> Note: Includes transportation for up to 25 miles.	
02 86 00 00-0098 EA	Transport Drum To Landfill ..... Note: Includes transportation for up to 25 miles.	55.59

**02 87 Bio-Hazard Material Remediation** (02 80)

**02 87 13 Mold Remediation** (02 87)

Note: All unit pricing in this section includes: materials, equipment, mobilization, preparation, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, monitoring (personnel and air), sampling/testing, fees, documentation and other associated costs necessary for the complete removal and disposal of mold in accordance with EPA, OSHA, IICRC standards and local regulations. Where types of Mold are listed by quantity, the quantity of the entire project, not a particular work area of building, is to be used in determining which tasks apply. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 100 LF or SF (Up to 25 LF for Mold Abatement pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0032 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0010 for decontamination chambers.

**02 87 13 33 Removal and Disposal of Materials with Mold** (02 87 13)

02 87 13 33-0001	Pipe And Pipe Fittings Insulation, Mold Abatement And Disposal <small>(02 87 13 33)</small> Note: Treat fittings as additional lf of insulation.	
02 87 13 33-0002	Pipe Insulation, Mold Abatement And Disposal <small>(02 87 13 33-0001)</small> Note: Diameter is outer size of insulation.	
02 87 13 33-0003	Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal <small>(02 87 13 33-0002)</small> Note: Excludes encased fittings.	
02 87 13 33-0004 SET	Up To 20 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	392.08
02 87 13 33-0005 LF	>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal .....	15.25
02 87 13 33-0006 LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal .....	11.55
02 87 13 33-0007 LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal .....	8.76
02 87 13 33-0008 LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal .....	6.67
02 87 13 33-0009 LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	5.86

02 87 13 33-0010	>6" Diameter Pipe Insulation, Mold Abatement And Disposal <small>(02 87 13 33-0002)</small>	
02 87 13 33-0011 SET	Up To 20 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal .....	416.41
02 87 13 33-0012 LF	>20 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal .....	18.70
02 87 13 33-0013 LF	>250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal .....	14.43
02 87 13 33-0014 LF	>500 To 2,500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal .....	11.22
02 87 13 33-0015 LF	>2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal .....	8.82
02 87 13 33-0016 LF	>10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal .....	7.89

02 87 13 33-0017	Thermal Insulation, Mold Abatement And Disposal <small>(02 87 13 33)</small>	
02 87 13 33-0018	Other Thermal Insulation, Up To 3" Thick, Mold Abatement And Disposal <small>(02 87 13 33-0017)</small>	
02 87 13 33-0019 SET	Up To 50 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal .....	404.25
02 87 13 33-0020 SF	>50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal .....	8.94
02 87 13 33-0021 SF	>500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal .....	6.81
02 87 13 33-0022 SF	>2,500 To 10,000 SF, Up To 3" Thick Other Thermal Insulation, Mold Abatement And Disposal .....	5.21
02 87 13 33-0023 SF	>10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal .....	4.09

**02 87 13 33-0024 Surfacing Material, Mold Abatement And Disposal** (02 87 13 33)  
Note: e.g. fireproofing, acoustical plaster, etc.

02 87 13 33-0025	Stucco, Mold Abatement And Disposal <small>(02 87 13 33-0024)</small> Note: Remove surface coat from brown coat or remove entire assembly, including lath.	
02 87 13 33-0026 SET	Up To 50 SF, Stucco, Mold Abatement And Disposal .....	397.49
02 87 13 33-0027 SF	>50 To 500 SF, Stucco, Mold Abatement And Disposal .....	8.80
02 87 13 33-0028 SF	>500 To 2,500 SF, Stucco, Mold Abatement And Disposal .....	6.67
02 87 13 33-0029 SF	>2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal .....	5.07
02 87 13 33-0030 SF	>10,000 SF, Stucco, Mold Abatement And Disposal .....	3.88

02 87 13 33-0031	Acoustical Plaster, Mold Abatement And Disposal <small>(02 87 13 33-0024)</small> Note: Remove surface coat from brown coat or remove entire assembly, including lath.	
02 87 13 33-0032 SET	Up To 50 SF, Acoustical Plaster, Mold Abatement And Disposal .....	397.49
02 87 13 33-0033 SF	>50 To 500 SF, Acoustical Plaster, Mold Abatement And Disposal.....	8.80
02 87 13 33-0034 SF	>500 To 2,500 SF, Acoustical Plaster, Mold Abatement And Disposal .....	6.67
02 87 13 33-0035 SF	>2,500 To 10,000 SF, Acoustical Plaster, Mold Abatement And Disposal.....	5.07
02 87 13 33-0036 SF	>10,000 SF, Acoustical Plaster, Mold Abatement And Disposal.....	3.88

02 87 13 33-0037	Gypsum Board, Mold Abatement And Disposal <small>(02 87 13 33-0024)</small>	
02 87 13 33-0038 SET	Up To 100 SF, Gypsum Board, Mold Abatement And Disposal.....	411.01
02 87 13 33-0039 SF	>100 To 500 SF, Gypsum Board, Mold Abatement And Disposal .....	3.03
02 87 13 33-0040 SF	>500 To 2,500 SF, Gypsum Board, Mold Abatement And Disposal .....	2.43
02 87 13 33-0041 SF	>2,500 To 10,000 SF, Gypsum Board, Mold Abatement And Disposal .....	1.95

<b>02</b>	<b>Existing Conditions</b>
<b>02 80</b>	<b>Facility Remediation</b>
<b>02 87</b>	<b>Bio-Hazard Material Remediation</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0042 SF >10,000 SF, Gypsum Board, Mold Abatement And Disposal .....	1.47	
<b>02 87 13 33-0043 Fireproofing, Mold Abatement And Disposal</b> (02 87 13 33-0024) Note: Exposed surface area, includes associated overspray.		
02 87 13 33-0044 SET Up To 50 SF, Fireproofing, Mold Abatement And Disposal .....	404.25	
02 87 13 33-0045 SF >50 To 500 SF, Fireproofing, Mold Abatement And Disposal .....	12.17	
02 87 13 33-0046 SF >500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal .....	9.24	
02 87 13 33-0047 SF >2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal .....	7.03	
02 87 13 33-0048 SF >10,000 SF, Fireproofing, Mold Abatement And Disposal .....	5.38	
<b>02 87 13 33-0049 Flooring, Mold Abatement And Disposal</b> (02 87 13 33) Note: Includes cove base.		
<b>02 87 13 33-0050 Floor Tile Or Linoleum, Mold Abatement And Disposal</b> (02 87 13 33-0049)		
<b>02 87 13 33-0051 Floor Tile Or Linoleum, Mold Abatement And Disposal</b> (02 87 13 33-0050) Note: Single layer or first of multiple layers.		
02 87 13 33-0052 SET Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal.....	411.01	
02 87 13 33-0053 SF >100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal .....	3.02	
For Each Additional Layer, Add	0.76	
02 87 13 33-0054 SF >500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal .....	1.75	
For Each Additional Layer, Add	0.44	
02 87 13 33-0055 SF >2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal .....	1.07	
For Each Additional Layer, Add	0.27	
02 87 13 33-0056 SF >10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal .....	0.86	
For Each Additional Layer, Add	0.22	
<b>02 87 13 33-0057 Carpet, Mold Abatement And Disposal</b> (02 87 13 33-0049)		
<b>02 87 13 33-0058 Carpet, Glue Down, Mold Abatement And Disposal</b> (02 87 13 33-0057)		
02 87 13 33-0059 SET Up To 100 SF, Carpet, Glue Down, Mold Abatement And Disposal .....	411.01	
02 87 13 33-0060 SF >100 To 500 SF, Carpet, Glue Down, Mold Abatement And Disposal.....	2.52	
02 87 13 33-0061 SF >500 To 2,500 SF, Carpet, Glue Down, Mold Abatement And Disposal.....	1.64	
02 87 13 33-0062 SF >2,500 To 10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal.....	1.14	
02 87 13 33-0063 SF >10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal.....	0.90	
<b>02 87 13 33-0064 Carpet, Padded With Tack Strips, Mold Abatement And Disposal</b> (02 87 13 33-0057)		
02 87 13 33-0065 SET Up To 100 SF, Carpet And Pad, Mold Abatement And Disposal.....	411.01	
Note: Includes tack strips.		
02 87 13 33-0066 SF >100 To 500 SF, Carpet And Pad, Mold Abatement And Disposal.....	2.83	
Note: Includes tack strips.		
02 87 13 33-0067 SF >500 To 2,500 SF, Carpet And Pad, Mold Abatement And Disposal.....	2.10	
Note: Includes tack strips.		
02 87 13 33-0068 SF >2,500 To 10,000 SF, Carpet And Pad, Mold Abatement And Disposal.....	1.69	
Note: Includes tack strips.		
02 87 13 33-0069 SF >10,000 SF, Carpet And Pad, Mold Abatement And Disposal.....	1.34	
Note: Includes tack strips.		
<b>02 87 13 33-0070 Subflooring, Mold Abatement And Disposal</b> (02 87 13 33-0049)		
02 87 13 33-0071 SET Up To 75 SF, Subflooring, Mold Abatement And Disposal .....	404.25	
02 87 13 33-0072 SF >75 To 500 SF, Subflooring, Mold Abatement And Disposal .....	3.44	
02 87 13 33-0073 SF >500 To 2,500 SF, Subflooring, Mold Abatement And Disposal .....	2.25	
02 87 13 33-0074 SF >2,500 To 10,000 SF, Subflooring, Mold Abatement And Disposal .....	1.42	
02 87 13 33-0075 SF >10,000 SF, Subflooring, Mold Abatement And Disposal .....	0.96	
<b>02 87 13 33-0076 Siding, Mold Abatement And Disposal</b> (02 87 13 33)		
<b>02 87 13 33-0077 Interior Paneling, Mold Abatement And Disposal</b> (02 87 13 33-0076) Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0078 SET Up To 100 SF, Interior Paneling, Mold Abatement And Disposal .....	411.01	
Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0079 SF >100 To 500 SF, Interior Paneling, Mold Abatement And Disposal.....	3.00	
Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0080 SF >500 To 2,500 SF, Interior Paneling, Mold Abatement And Disposal .....	2.15	
Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0081 SF >2,500 To 10,000 SF, Interior Paneling, Mold Abatement And Disposal .....	1.31	
Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0082 SF >10,000 SF, Interior Paneling, Mold Abatement And Disposal .....	1.04	
Note: Includes detachment of mounted objects before removal.		
<b>02 87 13 33-0083 Exterior Siding, Mold Abatement And Disposal</b> (02 87 13 33-0076)		
02 87 13 33-0084 SET Up To 100 SF, Exterior Siding Board, Mold Abatement And Disposal.....	411.01	
02 87 13 33-0085 SF >100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal .....	3.69	
02 87 13 33-0086 SF >500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal .....	2.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0087 SF >2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal .....	1.80	
02 87 13 33-0088 SF >10,000 SF, Exterior Siding Board, Mold Abatement And Disposal .....	1.64	
<b>02 87 13 33-0089 Contaminated Debris, Mold Abatement And Disposal (02 87 13 33)</b>		
<b>02 87 13 33-0090 Contaminated Debris, Mold Abatement And Disposal (02 87 13 33-0089)</b>		
02 87 13 33-0091 SET Up To 20 CF, Contaminated Debris, Mold Abatement And Disposal .....	416.41	
02 87 13 33-0092 CF >20 To 100 CF, Contaminated Debris, Mold Abatement And Disposal .....	14.90	
02 87 13 33-0093 CF >100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal .....	10.47	
02 87 13 33-0094 CF >250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal .....	8.26	
02 87 13 33-0095 CF >500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal .....	6.94	
02 87 13 33-0096 CF >2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal .....	4.52	
02 87 13 33-0097 CF >10,000 CF, Contaminated Debris, Mold Abatement And Disposal .....	4.22	
<b>02 87 13 33-0098 Other Mold Containing Materials, Mold Abatement And Disposal (02 87 13 33)</b>		
<b>02 87 13 33-0099 Wood Studs, Mold Abatement And Disposal (02 87 13 33-0098)</b>		
Note: 2" x 4" or 2" x 6" exposed studs in walls. Excludes surfacing material.		
02 87 13 33-0100 SET Up To 100 LF, Wood Studs, Mold Abatement And Disposal .....	205.49	
02 87 13 33-0101 LF >100 To 500 LF, Wood Studs, Mold Abatement And Disposal .....	1.68	
02 87 13 33-0102 LF >500 To 2,500 LF, Wood Studs, Mold Abatement And Disposal .....	1.28	
02 87 13 33-0103 LF >2,500 To 10,000 LF, Wood Studs, Mold Abatement And Disposal .....	1.00	
02 87 13 33-0104 LF >10,000 LF, Wood Studs, Mold Abatement And Disposal .....	0.79	
<b>02 87 13 33-0105 Ceiling Tile, Mold Abatement And Disposal (02 87 13 33-0098)</b>		
Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'.		
02 87 13 33-0106 SET Up To 100 SF, Ceiling Tile, Mold Abatement And Disposal .....	411.01	
02 87 13 33-0107 SF >100 To 1,000 SF, Ceiling Tile, Mold Abatement And Disposal .....	5.07	
02 87 13 33-0108 SF >1,000 To 2,500 SF, Ceiling Tile, Mold Abatement And Disposal .....	2.46	
02 87 13 33-0109 SF >2,500 To 10,000 SF, Ceiling Tile, Mold Abatement And Disposal .....	1.80	
02 87 13 33-0110 SF >10,000 SF, Ceiling Tile, Mold Abatement And Disposal .....	1.64	
<b>02 87 13 33-0111 Caulking, Mold Abatement And Disposal (02 87 13 33-0098)</b>		
02 87 13 33-0112 SET Up To 20 LF, Caulking, Mold Abatement And Disposal .....	96.44	
02 87 13 33-0113 LF >20 To 50 LF, Caulking, Mold Abatement And Disposal .....	1.94	
02 87 13 33-0114 LF >50 To 100 LF, Caulking, Mold Abatement And Disposal .....	1.39	
02 87 13 33-0115 LF >100 To 250 LF, Caulking, Mold Abatement And Disposal .....	1.06	
02 87 13 33-0116 LF >250 To 1,000 LF, Caulking, Mold Abatement And Disposal .....	0.79	
02 87 13 33-0117 LF >1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal .....	0.64	
02 87 13 33-0118 LF >2,500 LF, Caulking, Mold Abatement And Disposal .....	0.56	
<b>02 87 13 33-0119 Wipe Down Walls, Ceilings And Floors (02 87 13 33-0098)</b>		
02 87 13 33-0120 CSF Wipe Down Floors With Mild Bleach Solution .....	10.67	
02 87 13 33-0121 CSF Wipe Down Walls With Mild Bleach Solution .....	12.55	
02 87 13 33-0122 CSF Wipe Down Ceilings With Mild Bleach Solution .....	14.28	
02 87 13 33-0123 CSF Wipe Down Countertops With Mild Bleach Solution .....	11.64	
02 87 13 33-0124 CSF Wipe Down Other Surfaces With Mild Bleach Solution .....	14.77	
<b>02 87 13 33-0125 Cabinets (02 87 13 33-0098)</b>		
02 87 13 33-0126 SET Up To 10 LF, Base Cabinet, Mold Abatement And Disposal .....	464.39	
02 87 13 33-0127 LF >10 To 20 LF, Base Cabinet, Mold Abatement And Disposal .....	48.73	
02 87 13 33-0128 LF >20 LF, Base Cabinet, Mold Abatement And Disposal .....	37.26	
02 87 13 33-0129 SET Up To 10 LF, Wall Cabinet, Mold Abatement And Disposal .....	415.73	
02 87 13 33-0130 LF >10 To 20 LF, Wall Cabinet, Mold Abatement And Disposal .....	39.28	
02 87 13 33-0131 LF >20 LF, Wall Cabinet, Mold Abatement And Disposal .....	27.81	
<b>02 87 16 Excrement Removal (02 87)</b>		
Note: Tasks include materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of the contaminated material in accordance with EPA and local regulations. The quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. There is a task with a unit of measure of EA for a quantity of less than 10 SF, followed by a series of tasks for additional quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus each additional task in sequence to arrive at the total quantity for the entire project, not a particular work area.		
<b>02 87 16 13 Bird Excrement Removal (02 87 16)</b>		
<b>02 87 16 13-0001 Bird Waste Removal (02 87 16 13)</b>		
Note: In addition to items listed the Bio-Hazard Material Remediation note above, tasks include wetting agents and disinfection of contaminated surfaces.		
02 87 16 13-0002 EA Up To 10 SF Bird Waste Removal, Up To 3" Thickness .....	383.97	
For Work In Restricted Working Space, Add	115.19	
02 87 16 13-0003 SF >10 To 500 SF Bird Waste Removal, Up To 3" Thickness .....	6.40	
For Work In Restricted Working Space, Add	1.92	
02 87 16 13-0004 SF >500 To 2,500 SF Bird Waste Removal, Up To 3" Thickness .....	5.82	
For Work In Restricted Working Space, Add	1.75	



**02 Existing Conditions****02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 16 13-0005 SF >2,500 To 10,000 SF Bird Waste Removal, Up To 3" Thickness.....	5.28	
For Work In Restricted Working Space, Add	1.58	
02 87 16 13-0006 SF >10,000 SF Bird Waste Removal, Up To 3" Thickness.....	4.81	
For Work In Restricted Working Space, Add	1.44	
<b>02 87 19 Bio-Hazard And Infectious Disease Control Remediation (02 87)</b>		
<b>02 87 19 00-0001 Temporary Barriers (02 87 19)</b>		
<b>02 87 19 00-0002 Adjustable Barrier Panel System For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)</b>		
Note: Panels are opal or transparent. Panels include self leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.		
02 87 19 00-0003 EA 4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000).....	600.05	
02 87 19 00-0004 EA 3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001).....	570.05	
02 87 19 00-0005 EA 2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002).....	450.05	
02 87 19 00-0006 EA 2' Wide x 7'-8" To 10' High With HEPA Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1).....	520.05	
02 87 19 00-0007 EA 6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005).....	275.02	
02 87 19 00-0008 EA 12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006).....	295.02	
02 87 19 00-0009 EA 3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010).....	915.05	
Note: Door panels include a hydraulic closer and a lever style lockset standard.		
02 87 19 00-0010 EA 4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003).....	1,015.05	
Note: Door panels include a hydraulic closer and a lever style lockset standard.		
02 87 19 00-0011 EA 4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008).....	1,215.05	
Note: Door panels include a hydraulic closer and a lever style lockset standard.		
02 87 19 00-0012 EA 7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004).....	207.52	
02 87 19 00-0013 EA 7'-8" To 10' High, Outside Corner Post (Edge Guard 4007).....	172.52	
02 87 19 00-0014 EA 7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009).....	172.52	
02 87 19 00-0015 EA Closure Strips (Edge Guard 3003).....	12.95	
Note: To seal panels to existing walls		
02 87 19 00-0016 EA Digital Differential Pressure Gauge Kit (Edge Guard 3005).....	280.63	
<b>02 87 19 00-0017 Temporary Sheeting For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)</b>		
Note: Includes removal and disposal in approved landfill after use.		
02 87 19 00-0018 SF 6 Mil Plastic Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control.....	0.52	
02 87 19 00-0019 SF 6 Mil Plastic Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control.....	0.70	
02 87 19 00-0020 SF 6 Mil Plastic Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control.....	0.95	
02 87 19 00-0021 SF 6 Mil Plastic Fire Retardant, Anti Static Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control.....	0.58	
02 87 19 00-0022 SF 6 Mil Plastic Fire Retardant, Anti Static Retardant Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control.....	0.76	
02 87 19 00-0023 SF 6 Mil Plastic Fire Retardant, Anti Static Retardant Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control.....	1.01	
<b>02 87 19 00-0024 Temporary Floor Protection For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)</b>		
Note: Includes removal after use.		
02 87 19 00-0025 SF Masonite Temporary Floor Protection For Bio-Hazard And Infectious Disease Control.....	1.97	
02 87 19 00-0026 SF 1/2" Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control.....	1.99	
02 87 19 00-0027 SF 3/4" Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control.....	2.36	
<b>02 87 19 00-0028 Temporary Stud Wall For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)</b>		
Note: Includes removal after use.		
02 87 19 00-0029 SF 1/2" Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control.....	5.91	
02 87 19 00-0030 SF 1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control.....	8.17	
02 87 19 00-0031 SF 5/8" Type Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control.....	6.03	
02 87 19 00-0032 SF 5/8" Type Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control.....	8.41	
02 87 19 00-0033 SF 6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control.....	3.41	
<b>02 87 19 00-0034 Isolation Barriers For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)</b>		
02 87 19 00-0035 GSF Tent Construction Utilizing Two Layers Of 6 Mil Fire Rated Plastic Sheeting For Bio-Hazard And Infectious Disease Control.....	21.60	
Note: Includes support frame of 2x4s or PVC piping (ground SF) up to 6' to construct stand-alone tents (floor, walls and ceiling) with airlock.		
02 87 19 00-0036 GSF Relocate Tent Construction To Different Area.....	2.82	
<b>02 87 19 00-0037 Plexiglass Barriers For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)</b>		
02 87 19 00-0038 SF 3/8" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control.....	20.07	
02 87 19 00-0039 SF 1/2" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control.....	23.59	
02 87 19 00-0040 SF 3/4" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control.....	33.04	
02 87 19 00-0041 PR Install Pair Of 8" Diameter Glove Iris Port In Barrier For Bio-Hazard And Infectious Disease Control.....	900.61	
Note: Excludes gloves.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0042 PR Pair Of 8" Diameter Economy Sleeved Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control.....	321.50	
Note: For installation in glove iris port.		
02 87 19 00-0043 PR Pair Of 8" Diameter Bellows Type Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control.....	502.28	
Note: For installation in glove iris port.		
<b>02 87 19 00-0044 Temporary Portable And Mobile Trailers (02 87 19)</b>		
<b>02 87 19 00-0045 Trailer Delivery (02 87 19 00-0044)</b>		
02 87 19 00-0046 EA Deliver Trailer Within 25 Miles.....	1,271.15	
<b>02 87 19 00-0047 Portable And Mobile Trailers, Purchase (02 87 19 00-0044)</b>		
Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, & phone jacks. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.		
02 87 19 00-0048 EA 8' x 24' Mobile Trailer With Toilet, Purchase.....	7,504.67	
For Tie-Downs, Add		
	74.05	
02 87 19 00-0049 EA 8' x 32' Mobile Trailer With Toilet, Purchase.....	10,595.99	
For Tie-Downs, Add		
	74.05	
02 87 19 00-0050 EA 10' x 36' Mobile Trailer With Toilet, Purchase.....	15,104.37	
For Tie-Downs, Add		
	74.05	
02 87 19 00-0051 EA 10' x 44' Mobile Trailer With Toilet, Purchase.....	18,861.10	
For Tie-Downs, Add		
	74.05	
02 87 19 00-0052 EA 10' x 50' Mobile Trailer With Toilet, Purchase.....	21,439.03	
For Tie-Downs, Add		
	74.05	
02 87 19 00-0053 EA 12' x 50' Mobile Trailer With Toilet, Purchase.....	22,548.51	
For Tie-Downs, Add		
	74.05	
02 87 19 00-0054 EA 12' x 60' Mobile Trailer With Toilet, Purchase.....	25,089.05	
For Tie-Downs, Add		
	74.05	
<b>02 87 19 00-0055 Portable And Mobile Trailers, Rental (02 87 19 00-0044)</b>		
Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, & phone jacks. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.		
02 87 19 00-0056 MO 8' x 24' Mobile Trailer, With Toilet, Rental.....	140.64	
For Each Anchoring Into Dirt, Add		
	116.49	
For Each Anchoring Into Asphalt Or Concrete, Add		
	174.74	
For Each Delivery And Removal, Two Round Trips, Add		
	742.13	
For Each Set-Up (Block And Level), Add		
	374.89	
02 87 19 00-0057 MO 8' x 32' Mobile Trailer, With Toilet, Rental.....	159.38	
For Each Anchoring Into Dirt, Add		
	116.49	
For Each Anchoring Into Asphalt Or Concrete, Add		
	174.74	
For Each Delivery And Removal, Two Round Trips, Add		
	742.13	
For Each Set-Up (Block And Level), Add		
	374.89	
02 87 19 00-0058 MO 10' x 36' Mobile Trailer, With Toilet, Rental.....	215.64	
For Each Anchoring Into Dirt, Add		
	116.49	
For Each Anchoring Into Asphalt Or Concrete, Add		
	174.74	
For Each Delivery And Removal, Two Round Trips, Add		
	1,051.36	
For Each Set-Up (Block And Level), Add		
	611.66	
02 87 19 00-0059 MO 10' x 44' Mobile Trailer, With Toilet, Rental.....	253.14	
For Each Anchoring Into Dirt, Add		
	116.49	
For Each Anchoring Into Asphalt Or Concrete, Add		
	174.74	
For Each Delivery And Removal, Two Round Trips, Add		
	1,051.36	
For Each Set-Up (Block And Level), Add		
	611.66	
02 87 19 00-0060 MO 10' x 50' Mobile Trailer, With Toilet, Rental.....	267.21	
For Each Anchoring Into Dirt, Add		
	116.49	
For Each Anchoring Into Asphalt Or Concrete, Add		
	174.74	
For Each Delivery And Removal, Two Round Trips, Add		
	1,051.36	
For Each Set-Up (Block And Level), Add		
	611.66	
02 87 19 00-0061 MO 12' x 50' Mobile Trailer, With Toilet, Rental.....	314.08	
For Each Anchoring Into Dirt, Add		
	116.49	
For Each Anchoring Into Asphalt Or Concrete, Add		
	174.74	
For Each Delivery And Removal, Two Round Trips, Add		
	1,051.36	
For Each Set-Up (Block And Level), Add		
	611.66	
02 87 19 00-0062 MO 12' x 60' Mobile Trailer, With Toilet, Rental.....	342.21	
For Each Anchoring Into Dirt, Add		
	116.49	
For Each Anchoring Into Asphalt Or Concrete, Add		
	174.74	
For Each Delivery And Removal, Two Round Trips, Add		
	1,051.36	
For Each Set-Up (Block And Level), Add		
	611.66	
02 87 19 00-0063 MO 24' x 60' Modular Trailer, With Toilet, Rental.....	750.04	
For Each Delivery And Removal, Two Round Trips, Add		
	1,979.01	
For Each Set-Up (Block And Level), Add		
	986.55	
For Each Anchoring Into Dirt, Add		
	116.49	
For Each Anchoring Into Asphalt Or Concrete, Add		
	174.74	
<b>02 87 19 00-0064 Accessories For Portable And Mobile Trailers (02 87 19 00-0044)</b>		
<b>02 87 19 00-0065 Skirting (02 87 19 00-0064)</b>		
Note: Includes 2" x 4" wood framing 16" on center.		
02 87 19 00-0066 SF 1'-8" High Vinyl Covered Skirt.....	4.29	2.11
02 87 19 00-0067 SF 3' High Vinyl Covered Skirt.....	6.53	3.48

**02 Existing Conditions****02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>02 87 19 00-0068 Aluminum Modular Access Ramp</b> <small>(02 87 19 00-0064)</small> Note: Includes picketed guardrails, inside grabrails, legs and hardware.		
02 87 19 00-0069 EA Up To 35" High, Aluminum Modular Access Ramp.....	2,225.25	40.43
<b>02 87 19 00-0070 Aluminum Modular Stairs</b> <small>(02 87 19 00-0064)</small> Note: Excludes earthwork		
02 87 19 00-0071 EA Aluminum Steps For Mobile Trailers.....	624.03	
<b>02 87 19 00-0072 Decontamination Chambers For Bio-Hazard And Infectious Disease Control</b> <small>(02 87 19)</small> Note: Includes removal after use.		
02 87 19 00-0073 EA Portable Personnel Decontamination Wash Facility (3 Stage) For Bio-Hazard And Infectious Disease Control .....	715.79	
Note: Includes connection to negative air system.		
02 87 19 00-0074 EA Portable Personnel Decontamination Wash Facility (5 Stage) For Bio-Hazard And Infectious Disease Control .....	846.85	
Note: Includes connection to negative air system.		
02 87 19 00-0075 EA Portable Waste Decontamination Unit For Bio-Hazard And Infectious Disease Control .....	463.45	
Note: Includes connection to negative air system.		
<b>02 87 19 00-0076 Bio-Hazard And Infectious Disease Control Cleaning, Level 2</b> <small>(02 87 19)</small> Note: Includes worker personal protection equipment suites, gloves and masks. Level 1 Biohazard - Minor bacteria and viruses as well as non-infectious bacteria. Microbes are not known to cause disease in healthy hosts and pose minimal risk to workers and the environment. Level 2 Biohazard - Bacteria and viruses that cause mild disease or are difficult to contract. Microbes are typically indigenous and are associated with diseases of varying severity. They pose moderate risk to workers and the environment. Level 3 Biohazard - Microbes are indigenous or exotic and cause serious or potential lethal diseases through respiratory transmission. Disposal of materials used to wipe down surfaces in approved landfill after use. See CSI section 02 87 19 00-0146 for disposal of material into approved landfill.		
<b>02 87 19 00-0077 Bio-Hazard And Infectious Disease Control Cleaning Mobilization</b> <small>(02 87 19 00-0076)</small>		
02 87 19 00-0078 EA Bio-Hazard And Infectious Disease Control Mobilization And Set-Up.....	366.16	
Note: Mobilization and set-up minimum for each site location.		
<b>02 87 19 00-0079 Bio-Hazard And Infectious Disease Control Cleaning Of Surfaces</b> <small>(02 87 19 00-0076)</small> Note: Includes electrostatic spraying of surfaces with mild bleach, wet mop/wipe, disinfect and HEPA vacuum surfaces.		
02 87 19 00-0080 CSF Cleaning Of Floors For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution .....	27.15	
For >25 To 50, Deduct	-2.71	
For >50 To 200, Deduct	-5.43	
For >200, Deduct	-8.14	
For Cleaning Surfaces With Goldshield® GS5, Add	8.33	
For Level 1 Biohazard Cleaning, Deduct	-5.43	
For Level 3 Biohazard Cleaning, Add	8.95	
02 87 19 00-0081 CSF Cleaning Of Walls For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution .....	31.93	
For >25 To 50, Deduct	-3.19	
For >50 To 200, Deduct	-6.38	
For >200, Deduct	-9.57	
For Cleaning Surfaces With Goldshield® GS5, Add	8.33	
For Level 1 Biohazard Cleaning, Deduct	-6.38	
For Level 3 Biohazard Cleaning, Add	10.53	
02 87 19 00-0082 CSF Cleaning Of Ceilings For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution .....	36.31	
For >25 To 50, Deduct	-3.63	
For >50 To 200, Deduct	-7.26	
For >200, Deduct	-10.89	
For Cleaning Surfaces With Goldshield® GS5, Add	8.33	
For Level 1 Biohazard Cleaning, Deduct	-7.26	
For Level 3 Biohazard Cleaning, Add	11.98	
02 87 19 00-0083 CSF Cleaning Of Countertops For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution.....	29.61	
For >5 To 10, Deduct	-1.48	
For >10 To 50, Deduct	-2.96	
For >50, Deduct	-5.92	
For Cleaning Surfaces With Goldshield® GS5, Add	8.33	
For Level 1 Biohazard Cleaning, Deduct	-5.92	
For Level 3 Biohazard Cleaning, Add	9.76	
02 87 19 00-0084 CSF Cleaning Of Other Surfaces For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution .....	37.58	
For >25 To 50, Deduct	-3.76	
For >50 To 200, Deduct	-7.51	
For >200, Deduct	-11.27	
For Cleaning Surfaces With Goldshield® GS5, Add	8.33	
For Level 1 Biohazard Cleaning, Deduct	-7.51	
For Level 3 Biohazard Cleaning, Add	12.39	
<b>02 87 19 00-0085 Bio-Hazard And Infectious Disease Control Cleaning Of Equipment And Materials</b> <small>(02 87 19 00-0076)</small> Note: Includes spraying of surfaces with mild bleach, wet mop/wipe and disinfect		
02 87 19 00-0086 EA Cleaning Of Plumbing Fixture For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution .....	70.16	
For Cleaning Surfaces With Goldshield® GS5, Add	4.16	
For Level 1 Biohazard Cleaning, Deduct	-14.03	
For Level 3 Biohazard Cleaning, Add	23.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0087 EA Cleaning Of Restroom Accessory For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution ..... 32.20 <i>For Cleaning Surfaces With Goldshield® GS5, Add</i> 2.78 <i>For Level 1 Biohazard Cleaning, Deduct</i> -6.44 <i>For Level 3 Biohazard Cleaning, Add</i> 10.62	32.20	
02 87 19 00-0088 EA Cleaning Of Kitchen Appliance For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution ..... 113.01 <i>For Cleaning Surfaces With Goldshield® GS5, Add</i> 4.16 <i>For Level 1 Biohazard Cleaning, Deduct</i> -22.60 <i>For Level 3 Biohazard Cleaning, Add</i> 37.29	113.01	
02 87 19 00-0089 EA Cleaning Of Electrical Switch/Receptacle For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution ..... 6.96 <i>For Cleaning Surfaces With Goldshield® GS5, Add</i> 0.83 <i>For Level 1 Biohazard Cleaning, Deduct</i> -1.39 <i>For Level 3 Biohazard Cleaning, Add</i> 2.29	6.96	
02 87 19 00-0090 EA Cleaning Of WorkStation, Exterior Wipe For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Clean-up ..... 104.18 Note: Includes desk, chair, computer, monitor(s), keyboard, mouse, lamp, drawers <i>For Cleaning Surfaces With Goldshield® GS5, Add</i> 4.16 <i>For Level 1 Biohazard Cleaning, Deduct</i> -20.83 <i>For Level 3 Biohazard Cleaning, Add</i> 34.37	104.18	
02 87 19 00-0091 EA Cleaning Of Knobs, Latches, And Locks For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Clean-up ..... 11.13 <i>For Cleaning Surfaces With Goldshield® GS5, Add</i> 0.83 <i>For Level 1 Biohazard Cleaning, Deduct</i> -2.22 <i>For Level 3 Biohazard Cleaning, Add</i> 3.67	11.13	
<b>02 87 19 00-0092 Bio-Hazard And Infectious Disease Control Cleaning Of Ductwork (02 87 19 00-0076)</b>		
02 87 19 00-0093 LF Up To 2 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning ..... 4.09 <i>For Level 1 Biohazard Cleaning, Deduct</i> -0.81 <i>For Level 3 Biohazard Cleaning, Add</i> 1.34	4.09	
02 87 19 00-0094 LF >2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning ..... 5.11 <i>For Level 1 Biohazard Cleaning, Deduct</i> -1.02 <i>For Level 3 Biohazard Cleaning, Add</i> 1.68	5.11	
02 87 19 00-0095 LF >4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning ..... 6.85 <i>For Level 1 Biohazard Cleaning, Deduct</i> -1.36 <i>For Level 3 Biohazard Cleaning, Add</i> 2.24	6.85	
02 87 19 00-0096 LF >8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning ..... 9.67 <i>For Level 1 Biohazard Cleaning, Deduct</i> -1.91 <i>For Level 3 Biohazard Cleaning, Add</i> 3.14	9.67	
02 87 19 00-0097 EA Clean Duct Coil For Bio-Hazard And Infectious Disease Control Cleaning ..... 183.10 <i>For Level 1 Biohazard Cleaning, Deduct</i> -36.62 <i>For Level 3 Biohazard Cleaning, Add</i> 60.42	183.10	
02 87 19 00-0098 SF Clean Duct Dampers And Vane Sets For Bio-Hazard And Infectious Disease Control Cleaning ..... 12.73 <i>For Level 1 Biohazard Cleaning, Deduct</i> -2.54 <i>For Level 3 Biohazard Cleaning, Add</i> 4.19	12.73	
02 87 19 00-0099 EA Clean Fan Coil Unit (FCU) Or Variable Air Volume (VAV) Unit For Bio-Hazard And Infectious Disease Control Cleaning ..... 122.07 <i>For Level 1 Biohazard Cleaning, Deduct</i> -24.41 <i>For Level 3 Biohazard Cleaning, Add</i> 40.28	122.07	
02 87 19 00-0100 EA Clean Air Handling Unit Fan And Coil For Bio-Hazard And Infectious Disease Control Cleaning ..... 366.18 <i>For Level 1 Biohazard Cleaning, Deduct</i> -73.23 <i>For Level 3 Biohazard Cleaning, Add</i> 120.83	366.18	
02 87 19 00-0101 EA Clean Grille/Diffuser/Register For Bio-Hazard And Infectious Disease Control Cleaning ..... 30.53 Note: Includes removal and reinstallation. <i>For Level 1 Biohazard Cleaning, Deduct</i> -6.10 <i>For Level 3 Biohazard Cleaning, Add</i> 10.07	30.53	
02 87 19 00-0102 SF Apply Sporicidin Disinfectant To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning ..... 0.53 <i>For Level 1 Biohazard Cleaning, Deduct</i> -0.10 <i>For Level 3 Biohazard Cleaning, Add</i> 0.16	0.53	
02 87 19 00-0103 SF Apply Goldshield® GS5 Antimicrobial Agent To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning ..... 0.57 <i>For Level 1 Biohazard Cleaning, Deduct</i> -0.10 <i>For Level 3 Biohazard Cleaning, Add</i> 0.16	0.57	
<b>02 87 19 00-0104 Bio-Hazard And Infectious Disease Control Equipment Rental (02 87 19)</b> Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0105 DAY Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up ..... 130.76	130.76	
02 87 19 00-0106 WK Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up ..... 556.94	556.94	
02 87 19 00-0107 MO Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up ..... 1,559.45	1,559.45	
02 87 19 00-0108 DAY Vacuum - HEPA Industrial For Bio-Hazard And Infectious Disease Control Clean-up ..... 89.25	89.25	
02 87 19 00-0109 WK Vacuum - HEPA Industrial For Bio-Hazard And Infectious Disease Control Clean-up ..... 245.44	245.44	
02 87 19 00-0110 MO Vacuum - HEPA Industrial For Bio-Hazard And Infectious Disease Control Clean-up ..... 669.38	669.38	
02 87 19 00-0111 DAY Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up ..... 28.14	28.14	
02 87 19 00-0112 WK Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up ..... 77.38	77.38	
02 87 19 00-0113 MO Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up ..... 211.05	211.05	
02 87 19 00-0114 DAY Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And HEPA Filter For Bio-Hazard And Infectious Disease Control Clean-up ..... 62.85	62.85	
02 87 19 00-0115 WK Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And HEPA Filter For Bio-Hazard And Infectious Disease Control Clean-up ..... 258.13	258.13	

**02 Existing Conditions****02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0116	MO		Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And HEPA Filter For Bio-Hazard And Infectious Disease Control Clean-up.....	780.00	
02 87 19 00-0117	EA		HEPA Filter, 99.99% Efficient At 0.3 Micron For Negative Air Machine For Bio-Hazard And Infectious Disease Control Clean-up..... Note: Required if over 800 hours operation.	220.49	
02 87 19 00-0118	DAY		Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up .....	61.33	
02 87 19 00-0119	WK		Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up .....	168.66	
02 87 19 00-0120	MO		Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up .....	459.98	
02 87 19 00-0121	DAY		20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	280.48	
02 87 19 00-0122	WK		20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	560.95	
02 87 19 00-0123	MO		20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	1,121.90	
02 87 19 00-0124	DAY		20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	373.97	
02 87 19 00-0125	WK		20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	747.94	
02 87 19 00-0126	MO		20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	1,495.87	
02 87 19 00-0127	DAY		20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	560.40	
02 87 19 00-0128	WK		20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	1,120.80	
02 87 19 00-0129	MO		20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	2,241.60	
02 87 19 00-0130	DAY		20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	747.20	
02 87 19 00-0131	WK		20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	1,494.40	
02 87 19 00-0132	MO		20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	2,988.80	
02 87 19 00-0133	DAY		20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	934.00	
02 87 19 00-0134	WK		20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	1,868.00	
02 87 19 00-0135	MO		20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	3,736.00	
02 87 19 00-0136	EA		Set-Up 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	112.60	
			Note: Includes staking down tent.		
02 87 19 00-0137	EA		Set-Up 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	225.20	
			Note: Includes staking down tent.		
02 87 19 00-0138	EA		Set-Up 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	675.60	
			Note: Includes staking down tent.		
02 87 19 00-0139	EA		Set-Up 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	1,351.20	
			Note: Includes staking down tent.		
02 87 19 00-0140	EA		Set-Up 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up .....	2,252.00	
			Note: Includes staking down tent.		
02 87 19 00-0141			<b>Bio-Hazard And Infectious Disease Control Hauling By Truck</b> <sup>(02 87 19)</sup> Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one-way mileage) using an appropriately sized truck.		
02 87 19 00-0142	EA		Hauling With 2-3 CY Pick-up Truck, Van Or Trailer, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up .....	115.47	
			Note: Each first 15 miles per trip		
			For Each Additional Mile Over First 15 Miles, Add Per Mile	1.44	
02 87 19 00-0143	EA		Hauling With 6 To 8 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up .....	153.98	
			Note: Each first 15 miles per trip		
			For Each Additional Mile Over First 15 Miles, Add Per Mile	1.92	
02 87 19 00-0144	EA		Hauling With 10 To 12 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up .....	161.27	
			Note: Each first 15 miles per trip		
			For Each Additional Mile Over First 15 Miles, Add Per Mile	2.02	
02 87 19 00-0145	EA		Hauling With 16' To 20', Box Or Flat Bed Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up .....	164.16	
			Note: Each first 15 miles per trip		
			For Each Additional Mile Over First 15 Miles, Add Per Mile	2.05	
02 87 19 00-0146			<b>Bio-Hazard And Infectious Disease Control Disposal</b> <sup>(02 87 19)</sup> Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0147	CY		Bio-Hazard And Infectious Disease Control Landfill Dump Fee .....	85.62	
02 87 19 00-0148			<b>BLU-MED Response Systems® (BLU-MED) Deployable Medical Facilities™ and Emergency Shelters</b> <sup>(02 87 19)</sup> Note: Includes delivery and set-up of facility, electrical, lighting and HVAC. Excludes medical equipment.		
02 87 19 00-0149	EA		20' x 32.5' Medical Shelter with 1-phase electrical, 60Hz (BLU-MED BM-2032.5-MS/1P) .....	26,539.21	
02 87 19 00-0150	EA		7' x 8' Entry Vestibule (BLU-MED BM-MS-VEST) .....	2,551.28	
02 87 19 00-0151	EA		Vestibule End Panel with Bump Thru Door (BLU-MED BM-7x8-VEP04) .....	4,221.38	
02 87 19 00-0152	SF		Sub Flooring For Medical Shelter (AKS-AB846) .....	4.02	
02 87 19 00-0153	EA		Upgrade To Large Roto-Mold Container, Blue (AK-ULC-5) .....	1,158.66	
02 87 19 00-0154	EA		Environmental Control Unit-5 Ton, 60Hz, Blue (AK-ECU-5T-5) .....	18,977.75	
02 87 19 00-0155	EA		3' ECU to Generator Pigtail, 60Hz (AKS-AC915) .....	661.47	
02 87 19 00-0156	EA		Negative Pressure Isolation (NPI) System (AK-NPIS-5) .....	29,870.67	
			Note: Including: (1) Germicidal/HEPA Filter Unit; (1) Monitor/Alarm with Motorized Damper; (1) Isolation Partition for 20'-Wide Shelter; (1) NPI Accessories Case		
02 87 19 00-0157	EA		6' Step Ladder (AKS-AC595) .....	184.14	
02 87 19 00-0158	EA		10 Lbs Sledgehammer (AKS-AA268) .....	53.30	
02 87 19 00-0159			<b>Bio-Hazard And Infectious Disease Time And Material Tasks</b> <sup>(02 87 19)</sup> Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>02 87 19 00-0160</b>	<b>Bio-Hazard And Infectious Disease Control Labor</b> <small>(02 87 19 00-0159)</small>	
Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0161 HR	General Laborer For Bio-Hazard And Infectious Disease Control Clean Up .....	126.52
02 87 19 00-0162 HR	Skilled Tradesman For Bio-Hazard And Infectious Disease Control Clean Up .....	147.35
02 87 19 00-0163 HR	Biohazard Technician For Bio-Hazard And Infectious Disease Control Clean Up .....	94.50
02 87 19 00-0164 HR	Biohazard Supervisor For Bio-Hazard And Infectious Disease Control Clean Up .....	113.40
02 87 19 00-0165 HR	Project Manager For Bio-Hazard And Infectious Disease Control Clean Up .....	132.30
<b>02 87 19 00-0166</b>	<b>Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment</b> <small>(02 87 19 00-0159)</small>	
Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0167 EA	Tyvek Coveralls For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment .....	9.32
02 87 19 00-0168 EA	Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment .....	15.25
02 87 19 00-0169 PR	Polycarbonate Lens Safety Goggles For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment .....	9.88
02 87 19 00-0170 EA	Dual Cartridge Half-Mask Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment .....	71.93
02 87 19 00-0171 EA	Cartridge - Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment .....	32.55
02 87 19 00-0172 EA	Full Face Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment .....	219.45
Note: Respirator Connection Type: Bayonet, 4 pt. Full Face Suspension		
02 87 19 00-0173 EA	14-1/2" Width x 9" Height Polycarbonate Visor Faceshield For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment .....	30.00
Note: Includes basic impact ratchet headgear and faceshield safety system. ANSI Z87.1-2010		
02 87 19 00-0174 EA	19" Width x 11" Height Polycarbonate Visor Attachment To Hardhat For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment .....	54.50
Note: Includes clear polycarbonate crown and chin guard system for hardhat. The chin guard extends below the chin, the shield extends passed the ear, and the crown extends over the forehead to the front of the hardhat. ANSI Z87.1-2015. Excludes hardhat.		
02 87 19 00-0175 BOX	Box of 100, 5 Mil, Disposable Latex Gloves For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment .....	16.88
02 87 19 00-0176 EA	Gloves - Rubber (Heavy Duty) For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment .....	14.42
02 87 19 00-0177 EA	Belt-Mounted, Universal Mask, Powered Air Purifying Respirator (PAPR) System Kit For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment .....	1,466.85
Note: Kit includes NIOSH Approved with Draeger DHR 7000, C420 Blower, Single-Speed Toggle, Battery - LiSO2 (BA5800/U), C420 Breathing Tube Assembly with 75 Degrees Swivel, Decon Belt Assembly 70" x 2", C420 Airflow Indicator (Afl), Micronel Safety M95 Cartridge (2), Molded Case, Black, CBRN Breathing Tube Assembly		
<b>02 87 19 00-0178</b>	<b>Bio-Hazard And Infectious Disease Control Expendables</b> <small>(02 87 19 00-0159)</small>	
Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0179 GAL	Bleach For Bio-Hazard And Infectious Disease Control Clean-up .....	9.08
02 87 19 00-0180 EA	N95 Masks For Bio-Hazard And Infectious Disease Control Clean-up .....	2.41
02 87 19 00-0181 GAL	Disinfectant/Antimicrobial For Bio-Hazard And Infectious Disease Control Clean Up .....	88.95
02 87 19 00-0182 GAL	Goldshield® G55 Antimicrobial Concentrate For Bio-Hazard And Infectious Disease Control Clean-up .....	199.88
Note: Mix 1 gallon in 5 gallons of water to produce 6 gallons of ready-to-use product. Use on any surface for bacterial inhibition up to 30 days		
02 87 19 00-0183 QT	Hand Sanitizer For Bio-Hazard And Infectious Disease Control Clean-up .....	9.43
02 87 19 00-0184 EA	Sponges - Dry For Bio-Hazard And Infectious Disease Control Clean-up .....	4.44
02 87 19 00-0185 ROL	Tape - Duct, 2" x 50 YD For Bio-Hazard And Infectious Disease Control Clean-up .....	11.58
02 87 19 00-0186 EA	UV Mini Light, Handheld For Bio-Hazard And Infectious Disease Control Clean-up .....	43.67
02 87 19 00-0187 ROL	Visqueen 1 Mil, 12' x 400', For Bio-Hazard And Infectious Disease Control Clean-up .....	46.66
02 87 19 00-0188 LB	Wipes, Terry Cloth 14" x 17" For Bio-Hazard And Infectious Disease Control Clean-up .....	6.88
02 87 19 00-0189 EA	Wyp-Alls, Case, 160 Wipes For Bio-Hazard And Infectious Disease Control Clean-up .....	13.89
02 87 19 00-0190 ROL	6 Mil, 55 Gallon Trash Bags, 50/Roll For Bio-Hazard And Infectious Disease Control Clean Up .....	143.65
<b>02 89</b>	<b>Hazmat Ancillary Tasks And Support</b> <small>(02 80)</small>	
<b>02 89 00 00-0001</b>	<b>Barriers And Protection</b> <small>(02 89)</small>	
Note: Includes removal and disposal after use.		
<b>02 89 00 00-0002</b>	<b>Isolation Barriers</b> <small>(02 89 00 00-0001)</small>	
See CSI section 01 56 16 00-0033 for temporary stud walls.		
<b>02 89 00 00-0003</b>	<b>Hazmat Containment Construction</b> <small>(02 89 00 00-0001)</small>	
02 89 00 00-0004 SF	6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction .....	0.24
02 89 00 00-0005 SF	6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction .....	0.31
02 89 00 00-0006 SF	6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction .....	0.42
02 89 00 00-0007 SF	6 Mil Plastic Fire Retardant, Anti Static Sheeting, Applied To Floors, Hazmat Containment Construction .....	0.27
02 89 00 00-0008 SF	6 Mil Plastic Fire Retardant, Anti Static Retardant Sheeting, Applied To Walls, Hazmat Containment Construction .....	0.34
02 89 00 00-0009 SF	6 Mil Plastic Fire Retardant, Anti Static Retardant Sheeting, Applied To Ceilings, Hazmat Containment Construction .....	0.43
<b>02 89 00 00-0010</b>	<b>Decontamination Chambers</b> <small>(02 89)</small>	
Note: Includes removal after use.		

**02 Existing Conditions****02 80 Facility Remediation****02 89 Hazmat Ancillary Tasks And Support**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 89 00 00-0011	EA		Portable Personnel Decontamination Wash Facility (3 Stage)..... Note: Includes connection to negative air system.	480.64	
			<i>For Dismantling And Relocation To A Different Area, Add</i>	230.08	
02 89 00 00-0012	EA		Portable Personnel Decontamination Wash Facility (5 Stage)..... Note: Includes connection to negative air system.	564.52	
			<i>For Dismantling And Relocation To A Different Area, Add</i>	272.56	
02 89 00 00-0013	EA		Portable Waste Decontamination Unit..... Note: Includes connection to negative air system.	277.13	
			<i>For Dismantling And Relocation To A Different Area, Add</i>	151.85	

**02 90 Disaster Recovery** <sup>(02)</sup>

Note: The tasks in this division are only to be used when specifically requested by the Owner and are not to be combined with tasks from other divisions of this or other Construction Task Catalogs® unless specifically requested by the Owner.

**02 90 10 Right Of Way Clearing** <sup>(02 90)</sup>

02 90 10 00-0001			Load And Haul Burnable Right Of Way Debris <sup>(02 90 10)</sup>		
02 90 10 00-0002	CY		Load And Haul Up To 15 Miles Burnable Debris From Right of Way To Designated Area.....	14.20	
02 90 10 00-0003	CY		Load And Haul >15 To 30 Miles Burnable Debris From Right of Way To Designated Area.....	16.86	
02 90 10 00-0004	CY		Load And Haul >30 To 60 Miles Burnable Debris From Right of Way To Designated Area.....	20.78	

**02 90 10 00-0005 Load And Haul Non-Burnable Right Of Way Debris** <sup>(02 90 10)</sup>

02 90 10 00-0006	TON		Load And Haul Up To 15 Miles Non Burnable Right Of Way To Designated Area.....	51.76	
02 90 10 00-0007	TON		Load And Haul >15 To 30 Miles Non Burnable Right Of Way To Designated Area.....	59.15	
02 90 10 00-0008	TON		Load And Haul >30 To 60 Miles Non Burnable Right Of Way To Designated Area.....	69.51	

**02 90 10 00-0009 Haul Chipped Debris** <sup>(02 90 10)</sup>

Note: Excludes chipping the debris. Debris is chipped and loaded by others typically at a temporary vegetative debris staging site

02 90 10 00-0010	TON		Haul Chipped Debris Up To 15 Miles To Designated Area.....	43.09	
02 90 10 00-0011	TON		Haul Chipped Debris >15 To 30 Miles To Designated Area.....	51.06	
02 90 10 00-0012	TON		Haul Chipped Debris >30 To 60 Miles To Designated Area.....	67.02	

**02 90 20 Vegetation Removal And Maintenance** <sup>(02 90)</sup>**02 90 20 00-0001 Remove And Haul Stumps** <sup>(02 90 20)</sup>

02 90 20 00-0002	EA		Remove And Haul Stump 6 To 24 Inches.....	177.47	
02 90 20 00-0003	EA		Remove And Haul Stump >24 To 48 Inches.....	502.84	
02 90 20 00-0004	EA		Remove And Haul Stump >48 Inches.....	695.10	

**02 90 20 00-0005 Remove Trees and Place on Right-of-Way** <sup>(02 90 20)</sup>

02 90 20 00-0006	EA		13" - 24" DBH Tree Removal and Place on Right-of-Way.....	161.12	
02 90 20 00-0007	EA		>24 - 48" DBH Tree Removal and Place on Right-of-Way.....	769.98	
02 90 20 00-0008	EA		>48 - 72" DBH Tree Removal and Place on Right-of-Way.....	1,018.35	
02 90 20 00-0009	EA		>72" DBH Tree Removal and Place on Right-of-Way.....	1,697.26	

**02 90 20 00-0010 Remove Hanging Limbs From Tree** <sup>(02 90 20)</sup>

02 90 20 00-0011	EA		Remove Hanging Limbs From Tree, Per Each Tree.....	185.45	
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**02 90 30 Management Of Temporary Storage And Reduction Site(s)** <sup>(02 90)</sup>**02 90 30 00-0001 Management Of Temporary Storage And Reduction Site** <sup>(02 90 30)</sup>

Note: Includes all equipment and personnel to manage and operate vegetative debris storage and reduction site(s). Sites shall be designated by the Owner.

02 90 30 00-0002	CY		Management Of Temporary Vegetative Debris Storage And Reduction Site.....	9.34	
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**02 90 50 Cleaning And Emergency Clean-up** <sup>(02 90)</sup>**02 90 50 00-0001 Non-Mold Contaminated Wet Material Removal** <sup>(02 90 50)</sup>

Note: For materials that do not require mold abatement.

02 90 50 00-0002	SY		Wet Broadloom Carpet Removal For Emergency Clean-up.....	7.92	
02 90 50 00-0003	SY		Wet Carpet Tile Removal For Emergency Clean-up.....	1.93	
02 90 50 00-0004	SF		Wet Batt Insulation Removal For Emergency Clean-up.....	0.16	
02 90 50 00-0005	SF		Wet Ceiling Tile Removal For Emergency Clean-up.....	0.19	
02 90 50 00-0006	SF		Single Layer, Wet Gypsum Board Removal For Emergency Clean-up.....	0.19	
02 90 50 00-0007	SF		Double Layer, Wet Gypsum Board Removal For Emergency Clean-up.....	0.29	

**02 90 50 00-0008 Cleaning** <sup>(02 90 50)</sup>

Note: Use "Light Clean" when soot or dust is barely evident. Use "Medium Clean" when paint color can be seen through the soot or dust. Use "Heavy Clean" when paint color cannot be seen. Includes all man power, equipment and expendables required



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>02 90 50 00-0009 Clean Furnishings (02 90 50 00-0008)</b>		
02 90 50 00-0010 EA Office Equipment, Exterior Wipe For Emergency Clean-up.....	26.79	
<i>For Medium Clean, Add</i>	11.25	
<i>For Heavy Clean, Add</i>	34.83	
02 90 50 00-0011 SF Bookcase (Per SF Of Face Area), Light Clean For Emergency Clean-up.....	1.49	
<i>For Medium Clean, Add</i>	0.63	
<i>For Heavy Clean, Add</i>	1.94	
02 90 50 00-0012 LF Shelving, Light Clean For Emergency Clean-up.....	2.68	
<i>For Medium Clean, Add</i>	1.13	
<i>For Heavy Clean, Add</i>	3.48	
02 90 50 00-0013 EA Plastic Or Metal Chair, Light Clean For Emergency Clean-up.....	7.74	
<i>For Medium Clean, Add</i>	3.25	
<i>For Heavy Clean, Add</i>	10.06	
02 90 50 00-0014 EA Upholstered Chair, Light Clean For Emergency Clean-up.....	25.01	
<i>For Medium Clean, Add</i>	10.50	
<i>For Heavy Clean, Add</i>	32.51	
02 90 50 00-0015 EA Upholstered Sofa, Light Clean For Emergency Clean-up.....	154.24	
<i>For Medium Clean, Add</i>	64.78	
<i>For Heavy Clean, Add</i>	200.51	
02 90 50 00-0016 EA Desk, Light Clean For Emergency Clean-up.....	31.56	
<i>For Medium Clean, Add</i>	13.26	
<i>For Heavy Clean, Add</i>	41.03	
02 90 50 00-0017 EA Table, Light Clean For Emergency Clean-up.....	29.78	
<i>For Medium Clean, Add</i>	12.51	
<i>For Heavy Clean, Add</i>	38.71	
02 90 50 00-0018 EA Two Drawer File Cabinet, Light Clean For Emergency Clean-up.....	6.53	
<i>For Medium Clean, Add</i>	2.74	
<i>For Heavy Clean, Add</i>	8.49	
02 90 50 00-0019 EA Four Drawer File Cabinet, Light Clean For Emergency Clean-up.....	8.36	
<i>For Medium Clean, Add</i>	3.51	
<i>For Heavy Clean, Add</i>	10.87	
02 90 50 00-0020 LF Base Cabinet, Exterior Wipe, Light Clean For Emergency Clean-up.....	6.85	
<i>For Medium Clean, Add</i>	2.88	
<i>For Heavy Clean, Add</i>	8.91	
02 90 50 00-0021 LF Base Cabinet, Exterior And Interior Wipe, Light Clean For Emergency Clean-up.....	13.40	
<i>For Medium Clean, Add</i>	5.63	
<i>For Heavy Clean, Add</i>	17.42	
02 90 50 00-0022 LF Wall Cabinet, Exterior Wipe, Light Clean For Emergency Clean-up.....	6.85	
<i>For Medium Clean, Add</i>	2.88	
<i>For Heavy Clean, Add</i>	8.91	
02 90 50 00-0023 LF Wall Cabinet, Exterior And Interior Wipe, Light Clean For Emergency Clean-up.....	11.92	
<i>For Medium Clean, Add</i>	5.01	
<i>For Heavy Clean, Add</i>	15.50	
02 90 50 00-0024 EA Picture Frame, Glass And Back, Light Clean For Emergency Clean-up.....	2.86	
<i>For Medium Clean, Add</i>	1.20	
<i>For Heavy Clean, Add</i>	3.72	
<b>02 90 50 00-0025 Clean Hard Surfaces (02 90 50 00-0008)</b>		
02 90 50 00-0026 LF Wood, Vinyl Or Rubber Baseboard, Light Clean For Emergency Clean-up.....	0.39	
<i>For Medium Clean, Add</i>	0.16	
<i>For Heavy Clean, Add</i>	0.51	
02 90 50 00-0027 EA Door And Hardware (Per Side), Light Clean For Emergency Clean-up.....	5.07	
<i>For Medium Clean, Add</i>	2.13	
<i>For Heavy Clean, Add</i>	6.59	
02 90 50 00-0028 EA Detailed Door And Hardware (Per Side), Light Clean For Emergency Clean-up.....	5.75	
<i>For Medium Clean, Add</i>	2.42	
<i>For Heavy Clean, Add</i>	7.48	
02 90 50 00-0029 SF Overhead Door, Light Clean For Emergency Clean-up.....	0.40	
<i>For Medium Clean, Add</i>	0.17	
<i>For Heavy Clean, Add</i>	0.52	
02 90 50 00-0030 SF Mirror, Light Clean For Emergency Clean-up.....	0.30	
<i>For Medium Clean, Add</i>	0.13	
<i>For Heavy Clean, Add</i>	0.39	
02 90 50 00-0031 SF Window, Light Clean For Emergency Clean-up.....	0.88	
<i>For Medium Clean, Add</i>	0.37	
<i>For Heavy Clean, Add</i>	1.14	
02 90 50 00-0032 LF Handrail, Light Clean For Emergency Clean-up.....	0.78	
<i>For Medium Clean, Add</i>	0.33	
<i>For Heavy Clean, Add</i>	1.01	
02 90 50 00-0033 LF Bumper Rail, Light Clean For Emergency Clean-up.....	0.41	
<i>For Medium Clean, Add</i>	0.17	
<i>For Heavy Clean, Add</i>	0.53	
02 90 50 00-0034 SF Hard Floor, Light Clean For Emergency Clean-up.....	0.35	
<i>For Medium Clean, Add</i>	0.15	
<i>For Heavy Clean, Add</i>	0.46	
02 90 50 00-0035 SF Carpet, Light Clean For Emergency Clean-up.....	0.36	
<i>For Medium Clean, Add</i>	0.15	
<i>For Heavy Clean, Add</i>	0.47	
02 90 50 00-0036 SF Hard Ceiling, Light Clean For Emergency Clean-up.....	0.28	
<i>For Medium Clean, Add</i>	0.12	
<i>For Heavy Clean, Add</i>	0.36	



**02 Existing Conditions****02 90 Disaster Recovery****02 90 50 Cleaning And Emergency Clean-up**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0037	SF		Suspended Ceiling, Tile And Grid, Light Clean For Emergency Clean-up.....	0.30	
			<i>For Medium Clean, Add</i>	0.13	
			<i>For Heavy Clean, Add</i>	0.39	
02 90 50 00-0038	SF		Ceramic Tile Wall, Light Clean For Emergency Clean-up.....	0.25	
			<i>For Medium Clean, Add</i>	0.11	
			<i>For Heavy Clean, Add</i>	0.33	
02 90 50 00-0039	SF		Wall, Light Clean For Emergency Clean-up.....	0.18	
			<i>For Medium Clean, Add</i>	0.08	
			<i>For Heavy Clean, Add</i>	0.23	
02 90 50 00-0040	SF		Masonry Wall, Light Clean For Emergency Clean-up.....	0.25	
			<i>For Medium Clean, Add</i>	0.11	
			<i>For Heavy Clean, Add</i>	0.33	
02 90 50 00-0041	EA		Up To 24 SF Area Rug, Off-Site Cleaning, Light Clean For Emergency Clean-up.....	62.81	
			Note: Includes removal from site, cleaning, and return.		
			<i>For Medium Clean, Add</i>	26.38	
			<i>For Heavy Clean, Add</i>	81.65	
02 90 50 00-0042	EA		>24 To 96 SF Area Rug, Off-Site Cleaning, Light Clean For Emergency Clean-up.....	78.50	
			Note: Includes removal from site, cleaning, and return.		
			<i>For Medium Clean, Add</i>	32.97	
			<i>For Heavy Clean, Add</i>	102.05	
02 90 50 00-0043	EA		>96 To 140 SF Area Rug, Off-Site Cleaning, Light Clean For Emergency Clean-up.....	94.20	
			Note: Includes removal from site, cleaning, and return.		
			<i>For Medium Clean, Add</i>	39.56	
			<i>For Heavy Clean, Add</i>	122.46	
02 90 50 00-0044	EA		>140 To 216 SF Area Rug, Off-Site Cleaning, Light Clean For Emergency Clean-up.....	109.91	
			<i>For Medium Clean, Add</i>	46.16	
			<i>For Heavy Clean, Add</i>	142.88	
<b>02 90 50 00-0045</b>			<b>Clean Window Treatments (02 90 50 00-0008)</b>		
02 90 50 00-0046	SF		Window Blind, Light Clean For Emergency Clean-up.....	0.68	
			<i>For Medium Clean, Add</i>	0.29	
			<i>For Heavy Clean, Add</i>	0.88	
02 90 50 00-0047	EA		Up To 6' Long Drapery (Per Pleat), Light Clean For Emergency Clean-up.....	1.39	
			<i>For Medium Clean, Add</i>	0.58	
			<i>For Heavy Clean, Add</i>	1.81	
02 90 50 00-0048	EA		Up To 6' Long Lined Drapery (Per Pleat), Light Clean For Emergency Clean-up.....	1.60	
			<i>For Medium Clean, Add</i>	0.67	
			<i>For Heavy Clean, Add</i>	2.08	
02 90 50 00-0049	EA		>6' To 8' Drapery (Per Pleat), Light Clean For Emergency Clean-up.....	1.47	
			<i>For Medium Clean, Add</i>	0.62	
			<i>For Heavy Clean, Add</i>	1.91	
02 90 50 00-0050	EA		>6' To 8' Lined Drapery (Per Pleat), Light Clean For Emergency Clean-up.....	1.69	
			<i>For Medium Clean, Add</i>	0.71	
			<i>For Heavy Clean, Add</i>	2.20	
02 90 50 00-0051	EA		>8' To 10' Drapery (Per Pleat), Light Clean For Emergency Clean-up.....	1.79	
			<i>For Medium Clean, Add</i>	0.75	
			<i>For Heavy Clean, Add</i>	2.33	
02 90 50 00-0052	EA		>8' To 10' Lined Drapery (Per Pleat), Light Clean For Emergency Clean-up.....	2.07	
			<i>For Medium Clean, Add</i>	0.87	
			<i>For Heavy Clean, Add</i>	2.69	
<b>02 90 50 00-0053</b>			<b>Clean Appliances (02 90 50 00-0008)</b>		
02 90 50 00-0054	EA		Microwave Oven, Outside, Light Clean For Emergency Clean-up.....	12.34	
			<i>For Medium Clean, Add</i>	5.18	
			<i>For Heavy Clean, Add</i>	16.04	
02 90 50 00-0055	EA		Refrigerator, Outside, Light Clean For Emergency Clean-up.....	29.07	
			<i>For Medium Clean, Add</i>	12.21	
			<i>For Heavy Clean, Add</i>	37.79	
02 90 50 00-0056	EA		Range, Outside, Light Clean For Emergency Clean-up.....	25.12	
			<i>For Medium Clean, Add</i>	10.55	
			<i>For Heavy Clean, Add</i>	32.66	
<b>02 90 50 00-0057</b>			<b>Clean Plumbing (02 90 50 00-0008)</b>		
02 90 50 00-0058	EA		Water Heater, Light Clean For Emergency Clean-up.....	17.86	
			<i>For Medium Clean, Add</i>	7.50	
			<i>For Heavy Clean, Add</i>	23.22	
02 90 50 00-0059	EA		Plumbing Fixture, Light Clean For Emergency Clean-up.....	18.04	
			<i>For Medium Clean, Add</i>	7.58	
			<i>For Heavy Clean, Add</i>	23.45	
02 90 50 00-0060	EA		Restroom Accessory, Light Clean For Emergency Clean-up.....	8.27	
			<i>For Medium Clean, Add</i>	3.47	
			<i>For Heavy Clean, Add</i>	10.75	
<b>02 90 50 00-0061</b>			<b>Clean HVAC (02 90 50 00-0008)</b>		
02 90 50 00-0062	LF		Baseboard Heater, Light Clean For Emergency Clean-up.....	5.33	
			<i>For Medium Clean, Add</i>	2.24	
			<i>For Heavy Clean, Add</i>	6.93	
02 90 50 00-0063	LF		Ductwork, Exterior Wipe, Light Clean For Emergency Clean-up.....	14.89	
			<i>For Medium Clean, Add</i>	6.25	
			<i>For Heavy Clean, Add</i>	19.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0064 EA Ductwork, Interior (Per Grille/Register), Light Clean For Emergency Clean-up .....	57.17	
<i>For Medium Clean, Add</i>	24.01	
<i>For Heavy Clean, Add</i>	74.32	
02 90 50 00-0065 EA Grille/Register, Light Clean For Emergency Clean-up .....	5.36	
<i>For Medium Clean, Add</i>	2.25	
<i>For Heavy Clean, Add</i>	6.97	
02 90 50 00-0066 EA Air Handling Unit, Exterior Wipe, Light Clean For Emergency Clean-up .....	37.13	
<i>For Medium Clean, Add</i>	15.59	
<i>For Heavy Clean, Add</i>	48.27	
02 90 50 00-0067 EA Furnace, Exterior Wipe, Light Clean For Emergency Clean-up .....	33.05	
<i>For Medium Clean, Add</i>	13.88	
<i>For Heavy Clean, Add</i>	42.97	
<b>02 90 50 00-0068 Clean Electrical (02 90 50 00-0008)</b>		
02 90 50 00-0069 EA Electric Fan, Light Clean For Emergency Clean-up .....	22.04	
<i>For Medium Clean, Add</i>	9.26	
<i>For Heavy Clean, Add</i>	28.65	
02 90 50 00-0070 EA Ceiling Fan, Light Clean For Emergency Clean-up .....	23.82	
<i>For Medium Clean, Add</i>	10.00	
<i>For Heavy Clean, Add</i>	30.97	
02 90 50 00-0071 EA Ceiling Fan And Light, Light Clean For Emergency Clean-up .....	30.97	
<i>For Medium Clean, Add</i>	13.01	
<i>For Heavy Clean, Add</i>	40.26	
02 90 50 00-0072 EA Ceiling Exhaust Fan, Light Clean For Emergency Clean-up .....	21.74	
<i>For Medium Clean, Add</i>	9.13	
<i>For Heavy Clean, Add</i>	28.26	
02 90 50 00-0073 EA 2' x 4' Light Fixture, Light Clean For Emergency Clean-up .....	14.29	
<i>For Medium Clean, Add</i>	6.00	
<i>For Heavy Clean, Add</i>	18.58	
02 90 50 00-0074 EA Light Fixture, Light Clean For Emergency Clean-up .....	6.55	
<i>For Medium Clean, Add</i>	2.75	
<i>For Heavy Clean, Add</i>	8.52	
02 90 50 00-0075 EA Smoke Detector, Light Clean For Emergency Clean-up .....	5.07	
<i>For Medium Clean, Add</i>	2.13	
<i>For Heavy Clean, Add</i>	6.59	
02 90 50 00-0076 EA Thermostat, Light Clean For Emergency Clean-up .....	1.78	
<i>For Medium Clean, Add</i>	0.75	
<i>For Heavy Clean, Add</i>	2.31	
<b>02 90 50 00-0077 Thermal Fog (02 90 50 00-0008)</b>		
02 90 50 00-0078 CF Clean And Deodorize Building With Thermal Fog For Emergency Clean-up .....	0.02	
<b>02 90 50 00-0079 Contents Manipulation (02 90 50)</b>		
02 90 50 00-0080 SF Cover Contents With 6 Mil Plastic Sheetting For Emergency Clean-up .....	0.21	
02 90 50 00-0081 SF Floor Protection - Adhesive Film For Emergency Clean-up .....	0.26	
02 90 50 00-0082 SF Move Contents Out And Later Reset For Emergency Clean-up .....	0.47	
02 90 50 00-0083 MO 20' Long Job Site Storage Trailer For Emergency Clean-up .....	122.44	
02 90 50 00-0084 MO 40' Long Job Site Storage Trailer For Emergency Clean-up .....	162.37	
02 90 50 00-0085 EA Delivery Or Pickup Job Site Storage Trailer For Emergency Clean-up .....	138.52	
<b>02 90 50 00-0086 Water Emergency Clean-up (02 90 50)</b>		
02 90 50 00-0087 LF Detach Baseboard For Emergency Clean-up .....	0.61	
02 90 50 00-0088 LF Detach And Later Reset Baseboard For Emergency Clean-up .....	1.08	
02 90 50 00-0089 EA Block And Pad Furniture (Per Piece Of Furniture) For Emergency Clean-up .....	3.98	
02 90 50 00-0090 SF Water Extraction From Floor For Emergency Clean-up .....	0.42	
02 90 50 00-0091 SF Gray Water Extraction From Floor For Emergency Clean-up .....	0.67	
02 90 50 00-0092 SF Black Water Extraction From Floor For Emergency Clean-up .....	1.06	
02 90 50 00-0093 SF Tear Out Wet Non Salvageable Carpet For Emergency Clean-up .....	0.33	
02 90 50 00-0094 SF Tear Out Wet Non Salvageable Carpet, Black Water For Emergency Clean-up .....	0.39	
02 90 50 00-0095 SF Tear Out Wet Non Salvageable Glue Down Carpet For Emergency Clean-up .....	0.58	
02 90 50 00-0096 SF Tear Out Wet Non Salvageable Glue Down Carpet, Black Water For Emergency Clean-up .....	0.86	
02 90 50 00-0097 SF Tear Out Vinyl Flooring For Emergency Clean-up .....	0.81	
02 90 50 00-0098 SF Tear Out Vinyl Flooring, Black Water For Emergency Clean-up .....	1.19	
02 90 50 00-0099 SF Tear Out Wood Flooring, Black Water For Emergency Clean-up .....	3.08	
02 90 50 00-0100 SF Tear Out Laminated Wood Flooring For Emergency Clean-up .....	1.51	
02 90 50 00-0101 SF Tear Out Laminated Wood Flooring, Black Water For Emergency Clean-up .....	2.23	
02 90 50 00-0102 SF Tear Out Wet Ceiling Tile For Emergency Clean-up .....	0.25	
02 90 50 00-0103 SF Tear Out Batt Insulation For Emergency Clean-up .....	0.25	
02 90 50 00-0104 SF Tear Out Wet Gypsum Board For Emergency Clean-up .....	0.43	
02 90 50 00-0105 SF Apply Antimicrobial Agent For Emergency Clean-up .....	0.23	
02 90 50 00-0106 SF HEPA Vacuuming For Emergency Clean-up .....	0.32	
<b>02 90 50 00-0107 Emergency Clean-up Labor (02 90 50)</b>		
Note: Used in the performance of time and material projects. Not to be used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.		
02 90 50 00-0108 HR Skilled Tradesman For Emergency Clean Up .....	60.00	
02 90 50 00-0109 HR Restoration / Document Laborer For Emergency Clean Up .....	42.00	

**02 Existing Conditions****02 90 Disaster Recovery****02 90 50 Cleaning And Emergency Clean-up**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 90 50 00-0110	HR	Restoration / Document Supervisor For Emergency Clean Up.....	57.75
02 90 50 00-0111	HR	Restoration / Document Project Manager For Emergency Clean Up.....	94.50
02 90 50 00-0112	HR	Assistant Project Manager For Emergency Clean Up.....	78.75
02 90 50 00-0113	HR	Senior Project Manager For Emergency Clean Up.....	110.25
02 90 50 00-0114	HR	Project Director / Document Consultant / Account Manager For Emergency Clean Up.....	157.50
02 90 50 00-0115	HR	Equipment Technician For Emergency Clean Up.....	115.50
02 90 50 00-0116	HR	Mold Remediation Laborer For Emergency Clean Up.....	57.75
02 90 50 00-0117	HR	Mold Remediation Supervisor For Emergency Clean Up.....	78.75
02 90 50 00-0118	HR	Administrative Personnel For Emergency Clean Up.....	36.75
02 90 50 00-0119	HR	Project Accountant For Emergency Clean Up.....	60.00
02 90 50 00-0120	HR	Biohazard Technician For Emergency Clean Up.....	78.75
02 90 50 00-0121	HR	Biohazard Supervisor For Emergency Clean Up.....	94.50
02 90 50 00-0122	HR	Health And Safety Officer For Emergency Clean Up.....	90.00
02 90 50 00-0123	HR	Resource And Logistics Coordinator For Emergency Clean Up.....	65.00
02 90 50 00-0124	HR	Loss Control Specialist For Emergency Clean Up.....	63.00
02 90 50 00-0125	HR	Moisture Control Specialist For Emergency Clean Up.....	42.00
02 90 50 00-0126	HR	Mobilization Support For Emergency Clean Up.....	32.00

**02 90 50 00-0127****Emergency Clean-up Equipment (02 90 50)**

Note: Used in the performance of time and material projects. Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.

**02 90 50 00-0128****General Emergency Clean-up Equipment (02 90 50 00-0127)**

02 90 50 00-0129	DAY	Air Compressor Rental For Emergency Clean-up.....	49.82
02 90 50 00-0130	DAY	13" Floor Buffer Rental For Emergency Clean-up.....	33.21
02 90 50 00-0131	WK	13" Floor Buffer Rental For Emergency Clean-up.....	93.27
02 90 50 00-0132	MO	13" Floor Buffer Rental For Emergency Clean-up.....	257.49
02 90 50 00-0133	DAY	17" Floor Buffer Rental For Emergency Clean-up.....	64.37
02 90 50 00-0134	WK	17" Floor Buffer Rental For Emergency Clean-up.....	164.21
02 90 50 00-0135	MO	17" Floor Buffer Rental For Emergency Clean-up.....	387.54
02 90 50 00-0136	DAY	Walk Behind Floor Scrubber Rental For Emergency Clean-up.....	354.70
02 90 50 00-0137	WK	Walk Behind Floor Scrubber Rental For Emergency Clean-up.....	952.43
02 90 50 00-0138	MO	Walk Behind Floor Scrubber Rental For Emergency Clean-up.....	2,653.67
02 90 50 00-0139	DAY	Ride-On Floor Scrubber Rental For Emergency Clean-up.....	801.36
02 90 50 00-0140	WK	Ride-On Floor Scrubber Rental For Emergency Clean-up.....	2,115.06
02 90 50 00-0141	MO	Ride-On Floor Scrubber Rental For Emergency Clean-up.....	5,701.46
02 90 50 00-0142	DAY	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	57.80
02 90 50 00-0143	WK	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	164.21
02 90 50 00-0144	MO	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	564.89
02 90 50 00-0145	DAY	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	53.86
02 90 50 00-0146	WK	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	144.51
02 90 50 00-0147	MO	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	374.40
02 90 50 00-0148	DAY	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	86.18
02 90 50 00-0149	WK	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	245.92
02 90 50 00-0150	MO	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up.....	687.33
02 90 50 00-0151	DAY	Truck Mounted Extractor Rental For Emergency Clean-up.....	540.99
02 90 50 00-0152	WK	Truck Mounted Extractor Rental For Emergency Clean-up.....	1,622.96
02 90 50 00-0153	MO	Truck Mounted Extractor Rental For Emergency Clean-up.....	4,868.87
02 90 50 00-0154	DAY	16" Chain Saw Rental For Emergency Clean-up.....	63.06
02 90 50 00-0155	WK	16" Chain Saw Rental For Emergency Clean-up.....	141.88
02 90 50 00-0156	MO	16" Chain Saw Rental For Emergency Clean-up.....	378.35
02 90 50 00-0157	DAY	20" Chain Saw Rental For Emergency Clean-up.....	78.82
02 90 50 00-0158	WK	20" Chain Saw Rental For Emergency Clean-up.....	177.35
02 90 50 00-0159	MO	20" Chain Saw Rental For Emergency Clean-up.....	472.93
02 90 50 00-0160	EA	Cleaning Kit With Mop, Broom And Bucket For Emergency Clean-up.....	59.12
02 90 50 00-0161	DAY	14" Electric Cut Off Saw Rental For Emergency Clean-up.....	84.08
02 90 50 00-0162	WK	14" Electric Cut Off Saw Rental For Emergency Clean-up.....	229.90
02 90 50 00-0163	MO	14" Electric Cut Off Saw Rental For Emergency Clean-up.....	643.71
02 90 50 00-0164	DAY	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up.....	102.47
02 90 50 00-0165	WK	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up.....	348.13
02 90 50 00-0166	MO	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up.....	663.42
02 90 50 00-0167	DAY	Wet Or Dry Portable Cleaning Unit Rental For Emergency Clean-up.....	94.11
02 90 50 00-0168	DAY	Extension Cords - 220 Volt For Emergency Clean-up.....	32.84
02 90 50 00-0169	DAY	Extension Cords - 220 Volt Converter Box For Emergency Clean-up.....	19.71
02 90 50 00-0170	DAY	Demolition Cart, 7 Yard For Emergency Clean-up.....	49.82
02 90 50 00-0171	EA	Demolition Kit With Wheel Barrow, Shovel And Broom For Emergency Clean-up.....	98.53
02 90 50 00-0172	DAY	Dry-Ice Blasting System For Emergency Clean-up.....	1,063.94
02 90 50 00-0173	DAY	Fogger - Mist For Emergency Clean-up.....	27.68
02 90 50 00-0174	DAY	Fogger - Electric Thermal For Emergency Clean-up.....	39.86
02 90 50 00-0175	DAY	Fogger - Gas Power Thermal For Emergency Clean-up.....	107.06
02 90 50 00-0176	JOB	Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up.....	131.80
02 90 50 00-0177	DAY	Hand Trucks/Dollies For Emergency Clean-up.....	15.76
02 90 50 00-0178	DAY	Heat Gun - Shrink Wrap For Emergency Clean-up.....	81.97
02 90 50 00-0179	DAY	HEPA Negative Air Machine For Emergency Clean-up.....	115.98
		Note: Includes all filters.	
02 90 50 00-0180	DAY	Ladder For Emergency Clean-up.....	22.33
02 90 50 00-0181	DAY	Lights - Demo, Drop, Stand, String For Emergency Clean-up.....	19.93
02 90 50 00-0182	DAY	Lights - Wobble For Emergency Clean-up.....	24.36
02 90 50 00-0183	DAY	Moisture Meter For Emergency Clean-up.....	33.21
02 90 50 00-0184	DAY	Nail Gun For Emergency Clean-up.....	59.12



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0185 DAY Ozone Generator For Emergency Clean-up.....	138.39	
02 90 50 00-0186 DAY PPE (Personal Protective Equipment) Mold Remediation Related For Emergency Clean-up.....	78.82	
02 90 50 00-0187 DAY Portable Generator, Up To 7,500 Watts For Emergency Clean-up.....	110.71	
02 90 50 00-0188 DAY Pressure Washer, Hot For Emergency Clean-up.....	166.07	
02 90 50 00-0189 DAY Pressure Washer, Cold For Emergency Clean-up.....	110.71	
02 90 50 00-0190 DAY Scaffolding - Per Section For Emergency Clean-up.....	85.39	
02 90 50 00-0191 DAY Small Tools - Tool Box For Emergency Clean-up.....	32.84	
02 90 50 00-0192 DAY Soda Blasting Equipment For Emergency Clean-up.....	1,055.74	
02 90 50 00-0193 DAY Sprayer - Hudson For Emergency Clean-up.....	10.51	
02 90 50 00-0194 DAY Sprayer - Industrial Airless For Emergency Clean-up.....	89.07	
02 90 50 00-0195 DAY Storage Space (Per SF Per Day) For Emergency Clean-up.....	2.55	
02 90 50 00-0196 DAY Submersible Pump For Emergency Clean-up.....	27.68	
02 90 50 00-0197 DAY Trash Pump - 2" Gas Powered For Emergency Clean-up.....	151.91	
02 90 50 00-0198 DAY Vehicle, Pick-up, SUV, Car For Emergency Clean-up.....	75.41	
02 90 50 00-0199 DAY Vehicle, Van For Emergency Clean-up.....	122.95	
02 90 50 00-0200 DAY Vehicle, 16' Or 24' Box Truck (Inclusive Of Mileage) For Emergency Clean-up.....	148.69	
02 90 50 00-0201 DAY Trailer - Refrigerated 40' Storage For Emergency Clean-up.....	163.39	
02 90 50 00-0202 DAY Trailer - Utility (Inclusive Of Mileage) For Emergency Clean-up.....	136.07	
02 90 50 00-0203 DAY Truck Mount, Per Wand Extraction For Emergency Clean-up.....	613.66	
02 90 50 00-0204 DAY Vacuum - HEPA Backpack For Emergency Clean-up.....	27.68	
02 90 50 00-0205 DAY Vacuum - Shop Vacuum For Emergency Clean-up.....	27.68	
02 90 50 00-0206 DAY Vacuum - Commercial For Emergency Clean-up.....	83.03	
02 90 50 00-0207 DAY 12 Gallon, Vacuum - HEPA Industrial For Emergency Clean-up.....	94.11	
02 90 50 00-0208 DAY Vacuum - Upright For Emergency Clean-up.....	18.03	
02 90 50 00-0209 DAY Zip Walls (Per 2 Poles) For Emergency Clean-up.....	27.68	
02 90 50 00-0210 DAY 2 Way Radio For Emergency Clean-up.....	22.14	
<b>02 90 50 00-0211</b>	<b>Technical/Electronics Restoration Equipment</b>	<i>(02 90 50 00-0127)</i>
02 90 50 00-0212 DAY Computer - Diagnostic For Emergency Clean-up.....	32.84	
02 90 50 00-0213 WK Computer - Diagnostic For Emergency Clean-up.....	90.32	
02 90 50 00-0214 MO Computer - Diagnostic For Emergency Clean-up.....	246.32	
02 90 50 00-0215 DAY Convection Oven - Large For Emergency Clean-up.....	477.05	
02 90 50 00-0216 WK Convection Oven - Large For Emergency Clean-up.....	1,311.89	
02 90 50 00-0217 MO Convection Oven - Large For Emergency Clean-up.....	3,577.88	
02 90 50 00-0218 DAY Convection Oven - Small For Emergency Clean-up.....	118.23	
02 90 50 00-0219 WK Convection Oven - Small For Emergency Clean-up.....	325.14	
02 90 50 00-0220 MO Convection Oven - Small For Emergency Clean-up.....	886.75	
02 90 50 00-0221 DAY Convection Oven - Vacuum For Emergency Clean-up.....	680.88	
02 90 50 00-0222 WK Convection Oven - Vacuum For Emergency Clean-up.....	1,872.41	
02 90 50 00-0223 MO Convection Oven - Vacuum For Emergency Clean-up.....	5,106.58	
02 90 50 00-0224 DAY Decontamination Booth For Emergency Clean-up.....	562.84	
02 90 50 00-0225 WK Decontamination Booth For Emergency Clean-up.....	1,547.82	
02 90 50 00-0226 MO Decontamination Booth For Emergency Clean-up.....	4,221.33	
02 90 50 00-0227 DAY DI Water System For Emergency Clean-up.....	43.72	
02 90 50 00-0228 WK DI Water System For Emergency Clean-up.....	120.22	
02 90 50 00-0229 MO DI Water System For Emergency Clean-up.....	327.87	
02 90 50 00-0230 DAY ESD Bench Workstation For Emergency Clean-up.....	26.78	
02 90 50 00-0231 WK ESD Bench Workstation For Emergency Clean-up.....	73.63	
02 90 50 00-0232 MO ESD Bench Workstation For Emergency Clean-up.....	200.82	
02 90 50 00-0233 DAY Heater/Enclosure Control System For Emergency Clean-up.....	19.71	
02 90 50 00-0234 WK Heater/Enclosure Control System For Emergency Clean-up.....	54.19	
02 90 50 00-0235 MO Heater/Enclosure Control System For Emergency Clean-up.....	147.79	
02 90 50 00-0236 DAY Hi-Tech Mobile Cart/Workstation For Emergency Clean-up.....	68.85	
02 90 50 00-0237 WK Hi-Tech Mobile Cart/Workstation For Emergency Clean-up.....	189.34	
02 90 50 00-0238 MO Hi-Tech Mobile Cart/Workstation For Emergency Clean-up.....	516.40	
02 90 50 00-0239 DAY Micro-Blaster/Dust Collector For Emergency Clean-up.....	295.58	
02 90 50 00-0240 WK Micro-Blaster/Dust Collector For Emergency Clean-up.....	812.85	
02 90 50 00-0241 MO Micro-Blaster/Dust Collector For Emergency Clean-up.....	2,216.87	
02 90 50 00-0242 DAY Mobile Laboratory For Emergency Clean-up.....	821.06	
02 90 50 00-0243 WK Mobile Laboratory For Emergency Clean-up.....	2,257.92	
02 90 50 00-0244 MO Mobile Laboratory For Emergency Clean-up.....	6,157.97	
02 90 50 00-0245 DAY Nitrogen Enclosure Cabinet For Emergency Clean-up.....	15.76	
02 90 50 00-0246 WK Nitrogen Enclosure Cabinet For Emergency Clean-up.....	43.35	
02 90 50 00-0247 MO Nitrogen Enclosure Cabinet For Emergency Clean-up.....	118.23	
02 90 50 00-0248 DAY Odell Cleaning Station For Emergency Clean-up.....	459.80	
02 90 50 00-0249 WK Odell Cleaning Station For Emergency Clean-up.....	1,264.44	
02 90 50 00-0250 MO Odell Cleaning Station For Emergency Clean-up.....	3,448.46	
02 90 50 00-0251 DAY Parts Washer For Emergency Clean-up.....	32.84	
02 90 50 00-0252 WK Parts Washer For Emergency Clean-up.....	90.32	
02 90 50 00-0253 MO Parts Washer For Emergency Clean-up.....	246.32	
02 90 50 00-0254 DAY Ultrasonic Cleaning System For Emergency Clean-up.....	204.92	
02 90 50 00-0255 WK Ultrasonic Cleaning System For Emergency Clean-up.....	563.53	
02 90 50 00-0256 MO Ultrasonic Cleaning System For Emergency Clean-up.....	1,536.89	
02 90 50 00-0257 DAY Vacuum - HEPA Technical For Emergency Clean-up.....	109.29	
02 90 50 00-0258 WK Vacuum - HEPA Technical For Emergency Clean-up.....	300.55	
02 90 50 00-0259 MO Vacuum - HEPA Technical For Emergency Clean-up.....	819.68	
<b>02 90 50 00-0260</b>	<b>Drying/Dehumidification Equipment</b>	<i>(02 90 50 00-0127)</i>

**02 Existing Conditions****02 90 Disaster Recovery****02 90 50 Cleaning And Emergency Clean-up**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0261 DAY 202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up.....	138.39	
Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.		
02 90 50 00-0262 WK 202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up.....	380.57	
Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.		
02 90 50 00-0263 MO 202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up.....	1,037.92	
Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.		
02 90 50 00-0264 DAY 3,000 CFM Axial Air Mover For Emergency Clean-up.....	53.81	
02 90 50 00-0265 WK 3,000 CFM Axial Air Mover For Emergency Clean-up.....	147.99	
02 90 50 00-0266 MO 3,000 CFM Axial Air Mover For Emergency Clean-up.....	403.60	
02 90 50 00-0267 DAY Injectidry System For Emergency Clean-up.....	171.60	
02 90 50 00-0268 WK Injectidry System For Emergency Clean-up.....	471.91	
02 90 50 00-0269 MO Injectidry System For Emergency Clean-up.....	1,287.03	
02 90 50 00-0270 DAY Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	110.71	
02 90 50 00-0271 WK Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	304.46	
02 90 50 00-0272 MO Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	830.34	
02 90 50 00-0273 DAY >100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	164.21	
02 90 50 00-0274 WK >100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	451.58	
02 90 50 00-0275 MO >100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	1,231.59	
02 90 50 00-0276 DAY >175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	152.89	
02 90 50 00-0277 WK >175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	420.44	
02 90 50 00-0278 MO >175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up.....	1,146.66	
02 90 50 00-0279 DAY Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up.....	163.43	
02 90 50 00-0280 WK Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up.....	449.44	
02 90 50 00-0281 MO Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up.....	1,225.74	
02 90 50 00-0282 DAY Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up.....	163.43	
02 90 50 00-0283 WK Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up.....	449.44	
02 90 50 00-0284 MO Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up.....	1,225.74	
02 90 50 00-0285 DAY D-500 Desiccant Dehumidifier For Emergency Clean-up.....	184.52	
02 90 50 00-0286 WK D-500 Desiccant Dehumidifier For Emergency Clean-up.....	507.43	
02 90 50 00-0287 MO D-500 Desiccant Dehumidifier For Emergency Clean-up.....	1,383.90	
02 90 50 00-0288 DAY D-750 Desiccant Dehumidifier For Emergency Clean-up.....	387.49	
02 90 50 00-0289 WK D-750 Desiccant Dehumidifier For Emergency Clean-up.....	1,065.60	
02 90 50 00-0290 MO D-750 Desiccant Dehumidifier For Emergency Clean-up.....	2,906.19	
02 90 50 00-0291 DAY D-1000 Desiccant Dehumidifier For Emergency Clean-up.....	664.27	
02 90 50 00-0292 WK D-1000 Desiccant Dehumidifier For Emergency Clean-up.....	1,826.75	
02 90 50 00-0293 MO D-1000 Desiccant Dehumidifier For Emergency Clean-up.....	4,982.04	
02 90 50 00-0294 DAY D-1500 Desiccant Dehumidifier For Emergency Clean-up.....	1,022.77	
02 90 50 00-0295 WK D-1500 Desiccant Dehumidifier For Emergency Clean-up.....	2,812.61	
02 90 50 00-0296 MO D-1500 Desiccant Dehumidifier For Emergency Clean-up.....	7,670.76	
02 90 50 00-0297 DAY D-2000 Desiccant Dehumidifier For Emergency Clean-up.....	1,022.77	
02 90 50 00-0298 WK D-2000 Desiccant Dehumidifier For Emergency Clean-up.....	2,812.61	
02 90 50 00-0299 MO D-2000 Desiccant Dehumidifier For Emergency Clean-up.....	7,670.76	
02 90 50 00-0300 DAY D-2250 Desiccant Dehumidifier For Emergency Clean-up.....	1,068.11	
02 90 50 00-0301 WK D-2250 Desiccant Dehumidifier For Emergency Clean-up.....	2,937.29	
02 90 50 00-0302 MO D-2250 Desiccant Dehumidifier For Emergency Clean-up.....	8,010.80	
02 90 50 00-0303 DAY D-3000 Desiccant Dehumidifier For Emergency Clean-up.....	1,328.54	
02 90 50 00-0304 WK D-3000 Desiccant Dehumidifier For Emergency Clean-up.....	3,653.50	
02 90 50 00-0305 MO D-3000 Desiccant Dehumidifier For Emergency Clean-up.....	9,964.08	
02 90 50 00-0306 DAY D-4500 Desiccant Dehumidifier For Emergency Clean-up.....	1,494.61	
02 90 50 00-0307 WK D-4500 Desiccant Dehumidifier For Emergency Clean-up.....	4,110.18	
02 90 50 00-0308 MO D-4500 Desiccant Dehumidifier For Emergency Clean-up.....	11,209.59	
02 90 50 00-0309 DAY D-5000 Desiccant Dehumidifier For Emergency Clean-up.....	1,605.32	
02 90 50 00-0310 WK D-5000 Desiccant Dehumidifier For Emergency Clean-up.....	4,414.64	
02 90 50 00-0311 MO D-5000 Desiccant Dehumidifier For Emergency Clean-up.....	12,039.93	
02 90 50 00-0312 DAY D-9000 Desiccant Dehumidifier For Emergency Clean-up.....	2,108.80	
02 90 50 00-0313 WK D-9000 Desiccant Dehumidifier For Emergency Clean-up.....	5,799.20	
02 90 50 00-0314 MO D-9000 Desiccant Dehumidifier For Emergency Clean-up.....	15,816.00	
02 90 50 00-0315 DAY D-10500 Desiccant Dehumidifier For Emergency Clean-up.....	2,214.24	
02 90 50 00-0316 WK D-10500 Desiccant Dehumidifier For Emergency Clean-up.....	6,089.16	
02 90 50 00-0317 MO D-10500 Desiccant Dehumidifier For Emergency Clean-up.....	16,606.80	
02 90 50 00-0318 DAY 3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	359.81	
02 90 50 00-0319 WK 3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	989.49	
02 90 50 00-0320 MO 3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	2,698.60	
02 90 50 00-0321 DAY 5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	498.20	
02 90 50 00-0322 WK 5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	1,370.06	
02 90 50 00-0323 MO 5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	3,736.53	
02 90 50 00-0324 DAY 10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	664.27	
02 90 50 00-0325 WK 10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	1,826.75	
02 90 50 00-0326 MO 10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	4,982.04	
02 90 50 00-0327 DAY 25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	885.70	
02 90 50 00-0328 WK 25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	2,435.66	
02 90 50 00-0329 MO 25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	6,642.72	
02 90 50 00-0330 DAY 50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	1,494.61	
02 90 50 00-0331 WK 50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	4,110.18	
02 90 50 00-0332 MO 50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	11,209.59	
02 90 50 00-0333 DAY 80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	1,660.68	
02 90 50 00-0334 WK 80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	4,566.87	
02 90 50 00-0335 MO 80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up.....	12,455.10	
02 90 50 00-0336 DAY 25' Flex Duct For Emergency Clean-up.....	22.14	
02 90 50 00-0337 WK 25' Flex Duct For Emergency Clean-up.....	60.89	
02 90 50 00-0338 MO 25' Flex Duct For Emergency Clean-up.....	166.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0339 DAY Hygrothermograph For Emergency Clean-up .....	32.84	
02 90 50 00-0340 WK Hygrothermograph For Emergency Clean-up .....	90.32	
02 90 50 00-0341 MO Hygrothermograph For Emergency Clean-up .....	246.32	
02 90 50 00-0342 DAY Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up .....	5,204.26	
Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.		
02 90 50 00-0343 WK Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up .....	14,311.71	
Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.		
02 90 50 00-0344 MO Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up .....	39,031.95	
Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.		
<b>02 90 50 00-0345 Power Equipment</b> (02 90 50 00-0127)		
02 90 50 00-0346 WK Up to 65 KVA Generator For Emergency Clean-up .....	685.36	
02 90 50 00-0347 WK >65 to 125 KVA Generator For Emergency Clean-up .....	1,159.84	
02 90 50 00-0348 WK >125 to 250 KVA Generator For Emergency Clean-up .....	1,130.07	
02 90 50 00-0349 WK >250 to 375 KVA Generator For Emergency Clean-up .....	1,950.64	
02 90 50 00-0350 WK >375 Up to 440 KVA Generator For Emergency Clean-up .....	2,636.00	
02 90 50 00-0351 WK >440 to 625 KVA Generator For Emergency Clean-up .....	3,965.15	
02 90 50 00-0352 WK >625 to 800 KVA Generator For Emergency Clean-up .....	4,059.44	
02 90 50 00-0353 WK >800 to 1,000 KVA Generator For Emergency Clean-up .....	5,430.16	
02 90 50 00-0354 WK >1,000 to 1,500 KVA Generator For Emergency Clean-up .....	8,171.60	
02 90 50 00-0355 EA Generator Cable/Pigtails (Per Section) For Emergency Clean-up .....	17.71	
02 90 50 00-0356 EA Sub-Distribution Panel (Spider Box) For Emergency Clean-up .....	84.88	
02 90 50 00-0357 EA Electrical Distribution Panel For Emergency Clean-up .....	204.92	
02 90 50 00-0358 EA Quad Box Strings (25' Sections) For Emergency Clean-up .....	31.90	
02 90 50 00-0359 EA 50' Power Cord For Spider Box For Emergency Clean-up .....	29.52	
02 90 50 00-0360 EA Pig Tails (Per Each) For Emergency Clean-up .....	3.28	
<b>02 90 50 00-0361 Freight Charges</b> (02 90 50 00-0127)		
02 90 50 00-0362 MI Freight Up To 1 Ton Pick Up Truck For Emergency Clean-up Equipment .....	1.64	
02 90 50 00-0363 MI Freight >1 Ton Pick Up Truck For Emergency Clean-up Equipment .....	2.96	
02 90 50 00-0364 MI Freight 16' Or 24' Box Truck For Emergency Clean-up Equipment .....	2.96	
02 90 50 00-0365 MI Freight Tractor Trailer For Emergency Clean-up Equipment .....	4.27	
<b>02 90 50 00-0366 Emergency Clean-up Personal Protection Equipment</b> (02 90 50)		
Note: Used in the performance of time and material projects. Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.		
02 90 50 00-0367 EA Tyvek Coveralls For Emergency Clean-up Personal Protection Equipment .....	9.16	
02 90 50 00-0368 EA Cartridge - Respirator For Emergency Clean-up Personal Protection Equipment .....	32.01	
02 90 50 00-0369 BOX Dust Mask For Emergency Clean-up Personal Protection Equipment .....	35.69	
02 90 50 00-0370 PR Cotton Canvas Gloves For Emergency Clean-up Personal Protection Equipment .....	2.46	
02 90 50 00-0371 BOX 5 Mil, Disposable Latex Gloves For Emergency Clean-up Personal Protection Equipment .....	16.61	
02 90 50 00-0372 PR Gloves - Leather For Emergency Clean-up Personal Protection Equipment .....	8.31	
02 90 50 00-0373 EA Gloves - Rubber (Heavy Duty) For Emergency Clean-up Personal Protection Equipment .....	14.18	
02 90 50 00-0374 PR Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment .....	9.72	
02 90 50 00-0375 EA Disposable Dual Cartridge Half-Mask Respirator For Emergency Clean-up Personal Protection Equipment .....	81.49	
02 90 50 00-0376 PR Plastic Safety Glasses For Emergency Clean-up Personal Protection Equipment .....	4.26	
02 90 50 00-0377 EA Safety Harness (Per Person/Day) For Emergency Clean-up Personal Protection Equipment .....	5.54	
<b>02 90 50 00-0378 Emergency Clean-up Expendables</b> (02 90 50)		
Note: Used in the performance of time and material projects. Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.		
<b>02 90 50 00-0379 General Materials</b> (02 90 50 00-0378)		
02 90 50 00-0380 GAL Adhesive Remover For Emergency Clean-up .....	83.03	
02 90 50 00-0381 GAL Bio-HS For Emergency Clean-up .....	27.99	
02 90 50 00-0382 GAL Biocide For Emergency Clean-up .....	35.72	
02 90 50 00-0383 EA 10" x 12" x 15" Cardboard Storage Box For Emergency Clean-up .....	4.38	
02 90 50 00-0384 EA 10" x 12" x 24" Cardboard Storage Box For Emergency Clean-up .....	6.64	
02 90 50 00-0385 GAL Bleach For Emergency Clean-up .....	8.93	
02 90 50 00-0386 EA Small Stainless Brush For Emergency Clean-up .....	5.46	
02 90 50 00-0387 EA 2-1/2 Gallon Buckets For Emergency Clean-up .....	6.94	
02 90 50 00-0388 EA 5 Gallon Bucket For Emergency Clean-up .....	10.51	
02 90 50 00-0389 GAL Carpet Defoamer For Emergency Clean-up .....	27.04	
02 90 50 00-0390 GAL Carpet Pre-treat For Emergency Clean-up .....	20.22	
02 90 50 00-0391 GAL Carpet Spotter For Emergency Clean-up .....	33.88	
02 90 50 00-0392 GAL Carpet/Upholstery Cleaner For Emergency Clean-up .....	27.32	
02 90 50 00-0393 ROL Carpet Masking/Shield For Emergency Clean-up .....	75.79	
02 90 50 00-0394 EA Chem Sponge For Emergency Clean-up .....	3.27	
02 90 50 00-0395 GAL Clear Seal For Emergency Clean-up .....	111.64	
02 90 50 00-0396 GAL Coil Cleaner For Emergency Clean-up .....	52.19	
02 90 50 00-0397 EA Comfort Masks, Per Box 50 For Emergency Clean-up .....	38.35	
02 90 50 00-0398 EA Coverall - Bio-Hazard For Emergency Clean-up .....	16.96	
02 90 50 00-0399 EA Decontamination Chamber For Emergency Clean-up .....	226.96	

**02 Existing Conditions****02 90 Disaster Recovery****02 90 50 Cleaning And Emergency Clean-up**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 90 50 00-0400	GAL	Degreaser, All Purpose For Emergency Clean-up	36.54		
02 90 50 00-0401	GAL	Degreaser, Heavy Duty For Emergency Clean-up	44.01		
02 90 50 00-0402	GAL	De-Foamer Liquid For Emergency Clean-up	48.02		
02 90 50 00-0403	EA	Deodorization Membrane For Emergency Clean-up	94.14		
02 90 50 00-0404	GAL	Deodorizer, 9D9 For Emergency Clean-up	143.54		
02 90 50 00-0405	LB	Deodorizing Gel For Emergency Clean-up	33.72		
02 90 50 00-0406	GAL	Deodorizing Liquid For Emergency Clean-up	49.92		
02 90 50 00-0407	PAIL	Deodorizing Block For Emergency Clean-up	8.48		
02 90 50 00-0408	GAL	Disinfectant/Antimicrobial For Emergency Clean-up	87.49		
02 90 50 00-0409	GAL	Disinfectant, BruClean For Emergency Clean-up	26.57		
02 90 50 00-0410	GAL	Dryclean For Emergency Clean-up	39.23		
02 90 50 00-0411	GAL	Duct Sealant Spray For Emergency Clean-up	59.12		
02 90 50 00-0412	GAL	Duct Sealant, Antifungal For Emergency Clean-up	85.39		
02 90 50 00-0413	GAL	Microbial Encapsulant (Fosters 20 - 40) For Emergency Clean-up	129.44		
02 90 50 00-0414	PR	Ear Plugs For Emergency Clean-up Personal Protection Equipment	0.53		
02 90 50 00-0415	GAL	Encapsulant For Emergency Clean-up	89.62		
02 90 50 00-0416	GAL	Fiberlocke - Aftershock For Emergency Clean-up	78.69		
02 90 50 00-0417	GAL	Fiberlocke - IAQ 2500 For Emergency Clean-up	101.39		
02 90 50 00-0418	GAL	Fiberlocke - IAS 6000 For Emergency Clean-up	104.28		
02 90 50 00-0419	ROL	Filter Material For Emergency Clean-up	203.55		
02 90 50 00-0420	EA	Filter, Blue Paper Collection Bag For Emergency Clean-up	5.48		
02 90 50 00-0421	EA	Filter, CVAC For HEPA Vacuum For Emergency Clean-up	435.36		
02 90 50 00-0422	EA	Filter, Pre-Filter For Negative Air Machine For Emergency Clean-up	2.09		
02 90 50 00-0423	EA	Filter, Pleated For Negative Air Machine For Emergency Clean-up	9.30		
02 90 50 00-0424	EA	Filter, Charcoal For Negative Air Machine For Emergency Clean-up	33.11		
02 90 50 00-0425	EA	Filter, HEPA For Negative Air Machine For Emergency Clean-up	314.89		
02 90 50 00-0426	EA	Filter, Pleated For Dehumidifiers For Emergency Clean-up	8.31		
02 90 50 00-0427	GAL	Floor Stripper For Emergency Clean-up	18.39		
02 90 50 00-0428	GAL	Floor Wax For Emergency Clean-up	26.27		
02 90 50 00-0429	GAL	Fogger (Thermal) For Emergency Clean-up	152.23		
02 90 50 00-0430	BOX	Furniture Blocks For Emergency Clean-up	122.62		
02 90 50 00-0431	EA	Furniture Polish, Per Can For Emergency Clean-up	16.52		
02 90 50 00-0432	GAL	Glass Cleaner For Emergency Clean-up	11.02		
02 90 50 00-0433	PR	Chemical Splash/Impact Resistant, Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment	16.03		
02 90 50 00-0434	EA	Goof Off Spray, 12 Oz For Emergency Clean-up	13.18		
02 90 50 00-0435	EA	Halogen Light Bulbs For Emergency Clean-up	18.76		
02 90 50 00-0436	QT	Hand Sanitizer For Emergency Clean-up	9.27		
02 90 50 00-0437	EA	Hard Hats For Emergency Clean-up Personal Protection Equipment	7.64		
02 90 50 00-0438	BOX	Hog Rings, Box Of 2,500 For Emergency Clean-up	16.06		
02 90 50 00-0439	GAL	HVAC Coal Cleaner For Emergency Clean-up	52.19		
02 90 50 00-0440	BOX	Inventory Tag, Box Of 1,000 For Emergency Clean-up	112.96		
02 90 50 00-0441	EA	Knives - Utility For Emergency Clean-up	14.45		
02 90 50 00-0442	ROL	Lay Flat Tubing, 13" (250' Roll) For Emergency Clean-up	96.90		
02 90 50 00-0443	ROL	Lay Flat Tubing, 20" (250' Roll) For Emergency Clean-up	102.30		
02 90 50 00-0444	ROL	Lay Flat Tubing, 29" (250' Roll) For Emergency Clean-up	203.68		
02 90 50 00-0445	ROL	Lay Flat Tubing, 39" (250' Roll) For Emergency Clean-up	294.40		
02 90 50 00-0446	GAL	Lemon Oil For Emergency Clean-up	44.28		
02 90 50 00-0447	GAL	LPS 1/Mecca Lube For Emergency Clean-up	47.74		
02 90 50 00-0448	GAL	LPS 2 For Emergency Clean-up	50.52		
02 90 50 00-0449	GAL	LPS Contact Cleaner For Emergency Clean-up	50.29		
02 90 50 00-0450	GAL	Lubricant, Preserver (Light) For Emergency Clean-up	117.91		
02 90 50 00-0451	GAL	Lubricant, Preserver (Heavy) For Emergency Clean-up	26.27		
02 90 50 00-0452	GAL	Machinery Cleaning Solvent For Emergency Clean-up	212.02		
02 90 50 00-0453	GAL	Metal Polishing Paste For Emergency Clean-up	21.83		
02 90 50 00-0454	GAL	Microban For Emergency Clean-up	53.10		
02 90 50 00-0455	GAL	Milgo For Emergency Clean-up	65.17		
02 90 50 00-0456	EA	Mop Heads For Emergency Clean-up	7.87		
02 90 50 00-0457	EA	Nylon Scouring Pads For Emergency Clean-up	1.45		
02 90 50 00-0458	GAL	Odor Neutralizer For Emergency Clean-up	33.88		
02 90 50 00-0459	EA	Packing Paper, 25 LB Bundle For Emergency Clean-up	58.74		
02 90 50 00-0460	EA	Paint Brushes For Emergency Clean-up	6.57		
02 90 50 00-0461	ROL	Paper, Corrugated/Craft For Emergency Clean-up	136.99		
02 90 50 00-0462	EA	Putty Knives For Emergency Clean-up	5.95		
02 90 50 00-0463	ROL	Red Resin Paper, 200' Roll For Emergency Clean-up	29.89		
02 90 50 00-0464	GAL	Reodorant For Emergency Clean-up	111.66		
02 90 50 00-0465	EA	Respirator - N95 For Emergency Clean-up Personal Protection Equipment	3.83		
02 90 50 00-0466	EA	Respirator - N95 With valve For Emergency Clean-up Personal Protection Equipment	5.94		
02 90 50 00-0467	PR	Respirator Cartridges - 3M For Emergency Clean-up Personal Protection Equipment	39.83		
02 90 50 00-0468	PR	Respirator Cartridges -P100 For Emergency Clean-up Personal Protection Equipment	39.83		
02 90 50 00-0469	EA	Respirator Cleaning Wipes, Per Box 100 For Emergency Clean-up Personal Protection Equipment	31.87		
02 90 50 00-0470	GAL	Restoracide For Emergency Clean-up	52.38		
02 90 50 00-0471	GAL	Rust Remover For Emergency Clean-up	77.50		
02 90 50 00-0472	EA	Saltesmo Test Samples For Emergency Clean-up	7.20		
02 90 50 00-0473	EA	Sand Bag, Excluding Sand For Emergency Clean-up	1.89		
02 90 50 00-0474	EA	Scotch-Brite 7447, Per Box 50 For Emergency Clean-up	23.52		
02 90 50 00-0475	EA	Small Scrub Brushes For Emergency Clean-up	12.57		
02 90 50 00-0476	GAL	Soot Sealant, Clear For Emergency Clean-up	89.88		
02 90 50 00-0477	GAL	Soot Sealant, Pigmented For Emergency Clean-up	242.39		
02 90 50 00-0478	ROL	Shrink Wrap Plastic For Emergency Clean-up	55.80		
02 90 50 00-0479	EA	Sponges - Dry For Emergency Clean-up	4.37		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST		
02 90 50 00-0480	EA	Spray Adhesive, Per Can For Emergency Clean-up.....	5.82	
02 90 50 00-0481	EA	Spray Bot./Trigger For Emergency Clean-up.....	5.07	
02 90 50 00-0482	GAL	Stain Remover For Emergency Clean-up.....	30.60	
02 90 50 00-0483	GAL	Stainless Steel Cleaner For Emergency Clean-up.....	10.97	
02 90 50 00-0484	EA	Stainless Steel Polish, Per Can For Emergency Clean-up.....	14.39	
02 90 50 00-0485	LB	Sweeping Compound For Emergency Clean-up.....	0.48	
02 90 50 00-0486	ROL	Tape - Duct, 2" x 50 YD For Emergency Clean-up.....	11.39	
02 90 50 00-0487	ROL	Tape - Environmental (Teal), 3/4" x 1,440' For Emergency Clean-up.....	10.71	
02 90 50 00-0488	ROL	Tape - HVAC (Aluminum), 2" x 75' For Emergency Clean-up.....	28.90	
02 90 50 00-0489	ROL	Tape - Blue Masking (Painters Tape), 1-1/2" x 198' For Emergency Clean-up.....	15.25	
02 90 50 00-0490	ROL	Tape - Poly Box, 2" x 110 YD For Emergency Clean-up.....	4.70	
02 90 50 00-0491	LB	Wipes, Terry Cloth 14" x 17" For Emergency Clean-up.....	6.77	
02 90 50 00-0492	GAL	Thermal Fog For Emergency Clean-up.....	68.85	
02 90 50 00-0493	ROL	Trash Bags - Lawn And Leaf For Emergency Clean-up.....	35.43	
02 90 50 00-0494	ROL	Trash Bags - 6 Mil Heavy Duty (50 Count) For Emergency Clean-up.....	141.29	
02 90 50 00-0495	EA	Trisodium Phosphate, 20 LB Pail For Emergency Clean-up.....	47.94	
02 90 50 00-0496	EA	Vacuum Bags - Backpack For Emergency Clean-up.....	1.62	
02 90 50 00-0497	EA	Vacuum Bags - Upright For Emergency Clean-up.....	2.15	
02 90 50 00-0498	GAL	Vinyl And Leather Cleaner For Emergency Clean-up.....	27.32	
02 90 50 00-0499	ROL	Visqueen 1 Mil For Emergency Clean-up.....	45.90	
02 90 50 00-0500	ROL	Visqueen 4 Mil For Emergency Clean-up.....	124.63	
02 90 50 00-0501	ROL	Visqueen 6 Mil For Emergency Clean-up.....	170.05	
02 90 50 00-0502	LB	Wipes, Cotton Cloth For Emergency Clean-up.....	4.82	
02 90 50 00-0503	ROL	12" x 750', Wrap, Bubble / Anti-Static For Emergency Clean-up.....	139.97	
02 90 50 00-0504	EA	Wyp-Alls, Case, 160 Wipes For Emergency Clean-up.....	13.66	
02 90 50 00-0505	EA	Zip Wall Zippers For Emergency Clean-up.....	21.25	
<b>02 90 50 00-0506 Technical/Electronics Restoration Materials (02 90 50 00-0378)</b>				
02 90 50 00-0507	EA	Brush - Brass For Emergency Clean-up.....	4.93	
02 90 50 00-0508	EA	1" Brush, Natural Bristle For Emergency Clean-up.....	1.58	
02 90 50 00-0509	EA	1/2" Brush, Natural Bristle For Emergency Clean-up.....	1.31	
02 90 50 00-0510	EA	1/4" Brush, Natural Bristle For Emergency Clean-up.....	1.12	
02 90 50 00-0511	EA	Brush - Parts For Emergency Clean-up.....	6.83	
02 90 50 00-0512	EA	Brush - Plastic For Emergency Clean-up.....	3.55	
02 90 50 00-0513	EA	Brush - Wire Grout For Emergency Clean-up.....	7.65	
02 90 50 00-0514	EA	Brushing Tool For Emergency Clean-up.....	14.75	
02 90 50 00-0515	EA	Cleaning Swabs, Cotton For Emergency Clean-up.....	0.33	
02 90 50 00-0516	EA	Cleaning Swabs, Foam Tip For Emergency Clean-up.....	0.39	
02 90 50 00-0517	EA	Contact Restorer, Per Can For Emergency Clean-up.....	31.86	
02 90 50 00-0518	EA	Contact Spray, Per Can For Emergency Clean-up.....	21.68	
02 90 50 00-0519	UNIT	Corrosion Inhibitor Emitter - 1 CF For Emergency Clean-up.....	3.15	
02 90 50 00-0520	UNIT	Corrosion Inhibitor Emitter - 5 CF For Emergency Clean-up.....	7.23	
02 90 50 00-0521	UNIT	Corrosion Inhibitor Emitter - 10 CF For Emergency Clean-up.....	12.48	
02 90 50 00-0522	LB	Cotton Cleaning Cloths For Emergency Clean-up.....	19.71	
02 90 50 00-0523	EA	12" x 17" Dust Cloths For Emergency Clean-up.....	0.29	
02 90 50 00-0524	EA	24" x 24" Dust Cloths For Emergency Clean-up.....	0.81	
02 90 50 00-0525	EA	Deoxidizing Agent, Per Can For Emergency Clean-up.....	15.44	
02 90 50 00-0526	GAL	Electronic Grade Detergent For Emergency Clean-up.....	32.79	
02 90 50 00-0527	SHT	Inventory Labels For Emergency Clean-up.....	0.13	
02 90 50 00-0528	GAL	Isopropyl Alcohol For Emergency Clean-up.....	86.89	
02 90 50 00-0529	GAL	Lubrication/Penetrating Oil, Per Can For Emergency Clean-up.....	126.69	
02 90 50 00-0530	GAL	PC Board Detergent For Emergency Clean-up.....	89.99	
02 90 50 00-0531	GAL	Rust Inhibitor, Regular Duty For Emergency Clean-up.....	146.14	
02 90 50 00-0532	GAL	Rust Inhibitor, Moderate Duty For Emergency Clean-up.....	147.24	
02 90 50 00-0533	GAL	Rust Inhibitor, Severe Duty For Emergency Clean-up.....	157.38	
02 90 50 00-0534	LB	Wipes, Lint Free Cloths For Emergency Clean-up.....	5.18	
02 90 50 00-0535	EA	Wire Marker Card For Emergency Clean-up.....	2.30	
02 90 50 00-0536	EA	Steel Wool, 16 Pad Sleeve For Emergency Clean-up.....	1.16	
<b>02 90 50 00-0537 Board Up And Tarp Up (02 90 50)</b>				
02 90 50 00-0538	SF	Polyethylene Tarp On Roof Or Openings For Emergency Clean-up.....	0.22	
02 90 50 00-0539	SF	1/2" Temporary Plywood On Roof For Emergency Clean-up.....	1.31	
02 90 50 00-0540	SF	1/2" Temporary Plywood On Wall Or Windows For Emergency Clean-up.....	1.67	
<b>02 90 50 00-0541 Minimum Charges (02 90 50)</b>				
02 90 50 00-0542	EA	Minimum For Emergency Cleaning.....	787.37	
02 90 50 00-0543	EA	Minimum For Emergency Water Extraction.....	169.40	
02 90 50 00-0544	EA	Minimum For Emergency Carpet Cleaning.....	157.64	
<b>02 90 50 00-0545 Document Restoration (02 90 50)</b>				
02 90 50 00-0546	EA	Book Rebinding, Each For Document Restoration.....	81.41	
02 90 50 00-0547	EA	Book Recasing, Each For Document Restoration.....	40.70	
02 90 50 00-0548	EA	Boxes-MCS, 1.2 CF For Document Restoration.....	5.12	
02 90 50 00-0549	EA	Boxes-MCS, 2.0 CF For Document Restoration.....	5.65	
02 90 50 00-0550	EA	Boxes Bankers For Document Restoration.....	13.01	
02 90 50 00-0551	EA	Boxes Standard Packout For Document Restoration.....	3.28	



**02 Existing Conditions****02 90 Disaster Recovery****02 90 50 Cleaning And Emergency Clean-up**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 90 50 00-0552	EA	Boxes X Ray For Document Restoration .....	8.14	
02 90 50 00-0553	EA	CD Scanning and Diagnostics, Each For Document Restoration .....	8.14	
02 90 50 00-0554	EA	Cleaning Antique Books, Each For Document Restoration.....	244.22	
02 90 50 00-0555	EA	Cleaning Catheter Roll, Per Roll For Document Restoration .....	32.55	
02 90 50 00-0556	EA	Cleaning CD And DVD, Per Disc For Document Restoration .....	3.27	
02 90 50 00-0557	EA	Cleaning Level 1 - Blue Prints, Each For Document Restoration.....	2.29	
02 90 50 00-0558	CF	Cleaning Level 1 - Document Per CF For Document Restoration .....	70.91	
02 90 50 00-0559	EA	Cleaning Level 1 - Linen, Each For Document Restoration .....	2.29	
02 90 50 00-0560	EA	Cleaning Level 1 - Mylar, Each For Document Restoration.....	2.29	
02 90 50 00-0561	EA	Cleaning Level 2 - Blue Print, Each For Document Restoration .....	2.84	
02 90 50 00-0562	CF	Cleaning Level 2 - Document Per CF For Document Restoration .....	106.27	
02 90 50 00-0563	EA	Cleaning Level 2 - Linen, Each For Document Restoration .....	2.84	
02 90 50 00-0564	EA	Cleaning Level 2 - Mylar, Each For Document Restoration.....	2.84	
02 90 50 00-0565	EA	Cleaning Level 3 - Blue Prints, Each For Document Restoration.....	4.03	
02 90 50 00-0566	CF	Cleaning Level 3 - Document Per CF For Document Restoration .....	141.79	
02 90 50 00-0567	EA	Cleaning Level 3 - Linen, Each For Document Restoration.....	4.03	
02 90 50 00-0568	EA	Cleaning Level 3 - Mylar, Each For Document Restoration.....	4.03	
02 90 50 00-0569	EA	Cleaning Level 4 - All Fire-Blue Print, Each For Document Restoration.....	5.65	
02 90 50 00-0570	EA	Cleaning Level 4 - All Fire-Linen, Each For Document Restoration.....	5.65	
02 90 50 00-0571	EA	Cleaning Level 4 - All Fire-Mylar, Each For Document Restoration.....	5.65	
02 90 50 00-0572	CF	Cleaning Level 4 - Light Fire-Documnt Per CF For Document Restoration .....	177.21	
02 90 50 00-0573	EA	Cleaning Level 5 - Severe Fire-Blue Print, Each For Document Restoration.....	6.26	
02 90 50 00-0574	CF	Cleaning Level 5 - Severe Fire-Documnt Per CF For Document Restoration.....	265.89	
02 90 50 00-0575	EA	Cleaning Level 5 - Severe Fire-Linen, Each For Document Restoration.....	6.26	
02 90 50 00-0576	EA	Cleaning Level 5 - Severe Fire-Mylar, Each For Document Restoration.....	6.26	
02 90 50 00-0577	EA	Cleaning Microfiche Sheets, Each For Document Restoration .....	2.22	
02 90 50 00-0578	EA	Cleaning Microfiche Strips, Each For Document Restoration .....	0.52	
02 90 50 00-0579	EA	Cleaning Microfilm Rolls (In House), Per Roll For Document Restoration .....	81.41	
02 90 50 00-0580	EA	Cleaning Microfilm Rolls (Outside), Per Roll For Document Restoration .....	113.98	
02 90 50 00-0581	EA	Cleaning Photographs Negatives, Per Negative For Document Restoration.....	2.22	
02 90 50 00-0582	EA	Cleaning Photographs, Each For Document Restoration .....	0.52	
02 90 50 00-0583	EA	Cleaning Record Albums, Each For Document Restoration .....	3.27	
02 90 50 00-0584	EA	Cleaning VHS And Beta Tapes-In House, Each For Document Restoration.....	8.14	
02 90 50 00-0585	EA	Cleaning VHS And Beta Tapes-Outside, Each For Document Restoration .....	32.55	
02 90 50 00-0586	EA	Cleaning X Ray 1-1000, Per Film For Document Restoration.....	3.04	
02 90 50 00-0587	EA	Cleaning X Ray 1K-5K, Per Film For Document Restoration .....	2.59	
02 90 50 00-0588	EA	Cleaning X Ray 5K-Up, Per Film For Document Restoration.....	2.04	
02 90 50 00-0589	EA	Copying Clean Water, Per Page For Document Restoration .....	0.29	
02 90 50 00-0590	EA	Copying Greywater Fire, Per Page For Document Restoration .....	0.88	
02 90 50 00-0591	CF	Deodorization, Vapor Tech For Document Restoration .....	5.60	
02 90 50 00-0592	CF	Disinfectant-Fogging For Document Restoration .....	11.42	
02 90 50 00-0593	EA	Document Disposal In House No Shredding For Document Restoration.....	43.50	
02 90 50 00-0594	EA	Document Disposal In House With Shredding For Document Restoration .....	11.87	
02 90 50 00-0595	CF	Up To 150 CF, Drying-MCS Center For Document Restoration .....	146.53	
02 90 50 00-0596	CF	>150 To 500 CF, Drying-MCS Center For Document Restoration.....	113.98	
02 90 50 00-0597	CF	>500 CF, Drying-MCS Center For Document Restoration.....	97.69	
02 90 50 00-0598	CF	>50 To 150 CF, Drying-MCS Center For Document Restoration.....	130.25	
02 90 50 00-0599	CF	Up To 500 CF, Drying-Onsite For Document Restoration.....	244.22	
02 90 50 00-0600	CF	>500 CF, Drying-Onsite For Document Restoration .....	149.81	
02 90 50 00-0601	EA	Drying Antique Books, Each For Document Restoration .....	32.55	
02 90 50 00-0602	EA	Drying Blue Prints, Each For Document Restoration .....	4.07	
02 90 50 00-0603	EA	DVD Scanning And Diagnostics, Each For Document Restoration .....	8.14	
02 90 50 00-0604	EA	Freeze Drying (In House) For Document Restoration.....	73.81	
02 90 50 00-0605	EA	Freeze Drying (Outside) For Document Restoration.....	63.26	
02 90 50 00-0606	EA	Up To 48 CF, Irradiation - Gamma (Minimum Charge) For Document Restoration .....	1,739.76	
02 90 50 00-0607	CF	>48 CF, Irradiation - Gamma (Per CF Charge) For Document Restoration.....	15.82	
02 90 50 00-0608	EA	Minimal Drying Jobs For Document Restoration.....	732.81	
02 90 50 00-0609	EA	Monthly Storage For Document Restoration.....	136.61	
02 90 50 00-0610	EA	Mylar Prints For Document Restoration .....	8.14	
02 90 50 00-0611	CF	Ozoning For Document Restoration.....	5.03	
02 90 50 00-0612	CF	Stabilization Freezer Storage, Per Cubic Foot Per Month For Document Restoration.....	6.37	
02 90 50 00-0613	MO	Stabilization Freezer Storage, Per Page-Per Month For Document Restoration .....	0.08	
02 90 50 00-0614	EA	Wood Pallets, Each For Document Restoration.....	17.70	

**END OF SECTION 02**



<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Maintenance Of Concrete</b>	<b>03 01</b>	
<b>Maintenance Of Cast-In-Place Concrete</b>	<b>03 01 30</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 03 Concrete

### 03 01 Maintenance Of Concrete <sup>(03)</sup>

#### 03 01 30 Maintenance Of Cast-In-Place Concrete <sup>(03 01)</sup>

##### 03 01 30 51 Cleaning Of Cast-In-Place Concrete <sup>(03 01 30)</sup>

03 01 30 51-0001	Abrasive Blasting <sup>(03 01 30 51)</sup>	
	Note: Includes containment and clean-up of all material. Includes steel ball media.	
03 01 30 51-0002	SF Concrete Floors, Abrasive Shot Blasting .....	1.51
	For Up To 100, Add	1.46
	For >100 To 250, Add	0.37
	For >250 To 500, Add	0.18
	For >5,000 To 10,000, Deduct	-0.04
	For >10,000, Deduct	-0.07
03 01 30 51-0003	SF Concrete Walls, Abrasive Shot Blasting .....	2.23
	For Up To 100, Add	2.90
	For >100 To 250, Add	0.73
	For >250 To 500, Add	0.36
	For >5,000 To 10,000, Deduct	-0.07
	For >10,000, Deduct	-0.15

##### 03 01 30 71 Rehabilitation Of Cast-in-Place Concrete <sup>(03 01 30)</sup>

03 01 30 71-0001	Concrete Resurfacing/Repair <sup>(03 01 30 71)</sup>	
	See CSI section 09 91 43 00-0002 for surface preparation as required.	
03 01 30 71-0002	Concrete Floor Resurfacing <sup>(03 01 30 71-0001)</sup>	
03 01 30 71-0003	SF 1/4" Interior Floor Self-leveling, Colored Cementitious Topping .....	2.80
03 01 30 71-0004	SF 1/2" Interior Floor Self-leveling, Colored Cementitious Topping .....	3.86
03 01 30 71-0005	SF 1" Interior Floor Self-leveling, Colored Cementitious Topping .....	7.23
03 01 30 71-0006	SF Thin Patch/Skim Coat .....	1.07
03 01 30 71-0007	Concrete Repair <sup>(03 01 30 71-0001)</sup>	
03 01 30 71-0008	Decks Or Floors <sup>(03 01 30 71-0007)</sup>	
	Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.	
03 01 30 71-0009	SF 1/8" To 1/4", Cementitious Mortar Patch, Decks And Floors.....	4.66
03 01 30 71-0010	SF 1/8" To 1/4", Epoxy Cementitious Mortar Patch, Decks And Floors.....	19.60
03 01 30 71-0011	SF White Aluminum Oxide Grit (Non Slip Aggregate) Patch, Decks And Floors.....	0.50
03 01 30 71-0012	CF Patch Decks Or Floors, Rapid Set Polymer Concrete Methyl Methacrylate .....	110.64
03 01 30 71-0013	CF Patch Decks Or Floors, SSI Flex Patch (Other Than Specified).....	249.15
03 01 30 71-0014	Verticals Or Overheads <sup>(03 01 30 71-0007)</sup>	
	Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.	
03 01 30 71-0015	SF 1/8" To 1/4" Cementitious Mortar Patch, Verticals And Overheads .....	6.66
03 01 30 71-0016	SF 1/8" To 1/4" Epoxy Cementitious Mortar Patch, Verticals And Overheads .....	23.67
03 01 30 71-0017	SF 1/8" To 1/4" Latex Cementitious Mortar Patch, Verticals And Overheads .....	27.49
03 01 30 71-0018	SF 1/8" To 1/4" Elastomeric Compound Patch, Verticals And Overheads .....	4.78
03 01 30 71-0019	SF 1/8" To 1/4" Copolymer Cementitious Compound Patch, Verticals And Overheads.....	8.52
	Note: Rapid Set - WunderFixx	
03 01 30 71-0020	Circular Piers <sup>(03 01 30 71-0007)</sup>	
03 01 30 71-0021	SF Patch Circular Piers With 1/8" To 1/4" Elastomeric Patching Compound .....	6.54
03 01 30 71-0022	SF Patch Circular Piers With 1/8" To 1/4" Copolymer Cementitious Compound.....	11.33
	Note: Rapid Set - WunderFixx	
03 01 30 71-0023	Concrete Grinding <sup>(03 01 30 71-0007)</sup>	
03 01 30 71-0024	SF Grinding Cured, Warped, Or Rough Slabs .....	1.06
03 01 30 71-0025	Spall Concrete Repair <sup>(03 01 30 71-0001)</sup>	
	Note: Includes removal of defective concrete with chipping hammers, water blasting, cleaning of rebar, formwork, cementitious mortar, curing, and finishing.	
03 01 30 71-0026	SF Spall Concrete Repair, Up To 3/4" Deep On Vertical/Overhead Surfaces.....	46.72
	For Up To 100, Add	81.80
	For >100 To 250, Add	40.90
03 01 30 71-0027	SF Spall Concrete Repair, >3/4" To 1-1/2" Deep On Vertical/Overhead Surfaces.....	57.08
	For Up To 100, Add	90.86
	For >100 To 250, Add	45.43
03 01 30 71-0028	SF Spall Concrete Repair, >1-1/2" To 3" Deep On Vertical/Overhead Surfaces.....	85.62
	For Up To 100, Add	136.30
	For >100 To 250, Add	68.15

**03 Concrete****03 01 Maintenance Of Concrete****03 01 30 Maintenance Of Cast-In-Place Concrete**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0029 SF Spall Concrete Repair, >3" To 4" Deep On Vertical/Overhead Surfaces .....	111.89	
For Up To 100, Add	177.20	
For >100 To 250, Add	88.60	
03 01 30 71-0030 SF Spall Concrete Repair, Up To 3/4" Deep On Floor Surfaces .....	34.45	
For Up To 100, Add	57.26	
For >100 To 250, Add	28.63	
03 01 30 71-0031 SF Spall Concrete Repair, >3/4" To 1-1/2" Deep On Floor Surfaces .....	43.45	
For Up To 100, Add	63.60	
For >100 To 250, Add	31.80	
03 01 30 71-0032 SF Spall Concrete Repair, >1-1/2" To 3" Deep On Floor Surfaces .....	65.18	
For Up To 100, Add	95.42	
For >100 To 250, Add	47.71	
03 01 30 71-0033 SF Spall Concrete Repair, >3" To 4" Deep On Floor Surfaces.....	85.31	
For Up To 100, Add	124.04	
For >100 To 250, Add	62.02	
<b>03 01 30 71-0034 Concrete Cleaning</b> (03 01 30 71-0001)		
03 01 30 71-0035 SF Clean Calcite/Staining On Concrete .....	11.38	
<b>03 01 30 71-0036 Crack Repair For Concrete</b> (03 01 30 71-0001)		
<b>03 01 30 71-0037 Non Structural Crack Repair For Concrete</b> (03 01 30 71-0036)		
<b>03 01 30 71-0038 Surface Applied, Non Structural Crack Repair For Concrete</b> (03 01 30 71-0037)		
Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing sealer with caulk gun, cartridge gun, squeeze bottle, etc. Excludes backer rod and sanding.		
03 01 30 71-0039 LF Up To 1/4" Wide, Latex Emulsion, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal).....	2.83	
For V-Grooving Crack With Grinder, Add	2.24	
03 01 30 71-0040 LF >1/4" To 1/2" Wide, Latex Emulsion, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal).....	3.74	
For V-Grooving Crack With Grinder, Add	2.19	
03 01 30 71-0041 LF Up To 1/4" Wide, Sanded Acrylic Latex, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair) .....	2.91	
For V-Grooving Crack With Grinder, Add	2.24	
03 01 30 71-0042 LF >1/4" To 1/2" Wide, Sanded Acrylic Latex, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair) .....	3.89	
For V-Grooving Crack With Grinder, Add	2.19	
03 01 30 71-0043 LF Up To 1/4" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant) .....	3.20	
For V-Grooving Crack With Grinder, Add	2.24	
03 01 30 71-0044 LF >1/4" To 1/2" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant) .....	4.46	
For V-Grooving Crack With Grinder, Add	2.19	
03 01 30 71-0045 LF Up To 1/4" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix) .....	3.40	
For V-Grooving Crack With Grinder, Add	2.24	
03 01 30 71-0046 LF >1/4" To 1/2" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix) .....	4.88	
For V-Grooving Crack With Grinder, Add	2.19	
<b>03 01 30 71-0047 Pressure Injected, Non Structural Crack Repair For Concrete</b> (03 01 30 71-0037)		
Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with polyurethane and restoring the sealed surface to flush conditions. Excludes disposal.		
03 01 30 71-0048 LF Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (SealBoss 1570) .....	14.20	
For Cracks Accessible From Both Sides, Add	2.90	
<b>03 01 30 71-0049 Structural Crack Repair For Concrete</b> (03 01 30 71-0036)		
<b>03 01 30 71-0050 Surface Applied, Structural Crack Repair For Concrete</b> (03 01 30 71-0049)		
Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Excludes disposal.		
03 01 30 71-0051 LF Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35) .....	3.46	
For V-Grooving Crack With Grinder, Add	2.24	
03 01 30 71-0052 LF >1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35) .....	4.98	
For V-Grooving Crack With Grinder, Add	2.19	
03 01 30 71-0053 LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied Trowel (Sikadur® 52) .....	3.65	
For V-Grooving Crack With Grinder, Add	2.24	
03 01 30 71-0054 LF >1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 52) .....	5.37	
For V-Grooving Crack With Grinder, Add	2.19	
03 01 30 71-0055 LF Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix) .....	4.27	
For V-Grooving Crack With Grinder, Add	2.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0056 LF >1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix).....	6.61	
<i>For V-Grooving Crack With Grinder, Add</i>	2.19	
<b>03 01 30 71-0057 Pressure Injected, Structural Crack Repair For Concrete</b> (03 01 30 71-0049) Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with epoxy and restoring the sealed surface to flush conditions. Excludes disposal.		
03 01 30 71-0058 LF Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 35).....	11.98	
<i>For Cracks Accessible From Both Sides, Add</i>	2.90	
03 01 30 71-0059 LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 52).....	12.17	
<i>For Cracks Accessible From Both Sides, Add</i>	2.90	
<b>03 01 30 71-0060 Carbon Fiber Strengthening System</b> (03 01 30 71-0001) Note: Includes preparing surface, dust and debris removal by hand, clean and protect adjacent area, fill voids, primer, fabric substrate layers, final coat of epoxy and finish. Excludes disposal.		
03 01 30 71-0061 SF Carbon Fiber Strengthening System Beams, Per Layer .....	33.91	
Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.		
03 01 30 71-0062 SF Carbon Fiber Strengthening System Columns, Per Layer .....	30.72	
Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.		
03 01 30 71-0063 SF Carbon Fiber Strengthening System Slabs, Per Layer .....	27.92	
Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.		
<b>03 01 30 72 Strengthening Of Cast-in-Place Concrete</b> (03 01 30)		
<b>03 01 30 72-0001 Concrete Surface Repairs</b> (03 01 30 72)		
03 01 30 72-0002 SF Sound The Concrete Surface To Locate Delaminated Areas .....	0.20	

### 03 05 Common Work Results For Concrete (03)

#### 03 05 13 Concrete Admixtures (03 05)

<b>03 05 13 00-0001 Concrete Admixtures</b> (03 05 13)		
03 05 13 00-0002 CY Low Range Water Reducing (LRWR), Type A Concrete Admixture .....	3.77	
03 05 13 00-0003 CY Set Retarding, Type B Concrete Admixture .....	2.61	
03 05 13 00-0004 CY 1% Calcium Chloride Accelerating, Type C Concrete Admixture.....	4.06	
03 05 13 00-0005 CY 2% Calcium Chloride Accelerating, Type C Concrete Admixture.....	8.12	
03 05 13 00-0006 CY 1% Non-Chloride Accelerating, Type C Concrete Admixture.....	7.25	
03 05 13 00-0007 CY 2% Non-Chloride Accelerating, Type C Concrete Admixture.....	14.50	
03 05 13 00-0008 CY Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture .....	3.13	
03 05 13 00-0009 CY 1% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture .....	4.35	
03 05 13 00-0010 CY 2% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture .....	8.70	
03 05 13 00-0011 CY Mid Range Water Reducing (MRWR) Superplasticizer, Type A Or E Concrete Admixture .....	6.74	
03 05 13 00-0012 CY High Range Water Reducing (HRWR) Superplasticizer, Type F Concrete Admixture.....	6.96	
03 05 13 00-0013 CY 1-1/2 LB/CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture .....	9.28	
03 05 13 00-0014 CY 25 LB/CY Steel Fibers, Concrete Admixture.....	23.16	
03 05 13 00-0015 CY 10% Microsilica (Silica Fume), Concrete Admixture .....	107.83	
03 05 13 00-0016 CY Corrosion Inhibiting Concrete Admixture .....	17.41	
03 05 13 00-0017 CY Winter Service Or Heat, Concrete Add.....	4.06	
03 05 13 00-0018 CY Chilled Water, Concrete Add .....	4.06	
03 05 13 00-0019 CY Subtle Color (See Davis Colors Color Card), Concrete Admixture .....	23.50	
03 05 13 00-0020 CY Standard Color (See Davis Colors Color Card), Concrete Admixture.....	39.16	
03 05 13 00-0021 CY Premium Color (See Davis Colors Color Card), Concrete Admixture .....	75.19	
03 05 13 00-0022 CY Ultra Premium Color (See Davis Colors Color Card), Concrete Admixture .....	104.44	

### 03 10 Concrete Forming And Accessories (03)

#### 03 11 Concrete Forming (03 10)

##### 03 11 13 Structural Cast-In-Place Concrete Forming (03 11)

Note: Per square foot of formwork.

<b>03 11 13 00-0001 Wood Formwork</b> (03 11 13) Note: For job built wood and/or plywood form systems where metal framed formwork cannot be used. Includes erecting, stripping, stacking, plywood, framing lumber, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.		
<b>03 11 13 00-0002 Foundation Wood Formwork</b> (03 11 13 00-0001) Note: For foundation work below or at grade.		
03 11 13 00-0003 SF Continuous Footings Foundation Wood Formwork.....	3.42	
<i>For &lt;1,000, Add</i>	0.60	
<i>For Foundations &gt;8' Below Grade, Add</i>	0.56	
<i>For Curved Formwork, Add</i>	1.13	

**03 Concrete****03 10 Concrete Forming And Accessories****03 11 Concrete Forming**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0004	SF		Pile Cap, Pier Or Spread Footings Foundation Wood Formwork.....	4.01	
			<i>For &lt;1,000, Add</i>	0.72	
			<i>For Foundations &gt;8' Below Grade, Add</i>	0.67	
			<i>For Curved Formwork, Add</i>	1.35	
03 11 13 00-0005	SF		Mat Foundation Wood Formwork.....	4.50	
			<i>For &lt;1,000, Add</i>	0.83	
			<i>For Foundations &gt;8' Below Grade, Add</i>	0.79	
			<i>For Curved Formwork, Add</i>	1.58	
03 11 13 00-0006	SF		Grade Beams Or Duct Bank Foundation Wood Formwork .....	3.78	
			<i>For &lt;1,000, Add</i>	0.68	
			<i>For Foundations &gt;8' Below Grade, Add</i>	0.65	
			<i>For Curved Formwork, Add</i>	1.29	
03 11 13 00-0007	SF		Below Grade Walls Foundation Wood Formwork .....	5.41	
			Note: Excludes footing		
			<i>For &lt;1,000, Add</i>	0.97	
			<i>For Foundations &gt;8' Below Grade, Add</i>	0.92	
			<i>For Curved Formwork, Add</i>	1.83	
<b>03 11 13 00-0008</b>			<b>Slab Edge And Block-Out Wood Formwork</b> (03 11 13 00-0001)		
03 11 13 00-0009	LF		Up To 6" High Slab Edge and Block-Out Wood Formwork .....	2.54	
			<i>For Foundations &gt;8' Below Grade, Add</i>	0.44	
			<i>For Curved Formwork, Add</i>	0.89	
			<i>For Up To 250, Add</i>	0.47	
03 11 13 00-0010	LF		>6" To 12" High Slab Edge and Block-Out Wood Formwork .....	3.75	
			<i>For Foundations &gt;8' Below Grade, Add</i>	0.62	
			<i>For Curved Formwork, Add</i>	1.25	
			<i>For Up To 250, Add</i>	0.67	
03 11 13 00-0011	SF		>12" High Slab Edge and Block-Out Wood Formwork .....	4.75	
			<i>For Foundations &gt;8' Below Grade, Add</i>	0.80	
			<i>For Curved Formwork, Add</i>	1.61	
			<i>For &lt;1,000, Add</i>	0.85	
<b>03 11 13 00-0012</b>			<b>Column Wood Formwork</b> (03 11 13 00-0001)		
03 11 13 00-0013	LF		Up To 8" Square Column Wood Formwork.....	20.30	
03 11 13 00-0014	LF		>8" To 12" Square Column Wood Formwork .....	29.86	
03 11 13 00-0015	LF		>12" To 18" Square Column Wood Formwork .....	36.98	
03 11 13 00-0016	LF		>18" To 24" Square Column Wood Formwork .....	51.94	
03 11 13 00-0017	LF		>24" To 36" Square Column Wood Formwork .....	74.17	
03 11 13 00-0018	LF		>36" To 48" Square Column Wood Formwork .....	96.99	
<b>03 11 13 00-0019</b>			<b>Above Grade Wall Wood Formwork</b> (03 11 13 00-0001)		
03 11 13 00-0020	SF		Up To 8' High Above Grade Wall Wood Formwork.....	5.97	
			<i>For Curved Formwork, Add</i>	2.06	
			<i>For &lt;1,000, Add</i>	1.08	
03 11 13 00-0021	SF		>8' High Above Grade Wall Wood Formwork .....	7.08	
			<i>For Curved Formwork, Add</i>	2.44	
			<i>For &lt;1,000, Add</i>	1.29	
<b>03 11 13 00-0022</b>			<b>Elevated Beam Wood Formwork</b> (03 11 13 00-0001)		
			Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0023	SF		Bottom of Elevated Beam Wood Formwork .....	7.78	
			<i>For Curved Formwork, Add</i>	2.68	
			<i>For &lt;1,000, Add</i>	1.41	
03 11 13 00-0024	SF		Vertical Sides of Elevated Beam Wood Formwork.....	4.94	
			<i>For Curved Formwork, Add</i>	1.71	
			<i>For &lt;1,000, Add</i>	0.90	
<b>03 11 13 00-0025</b>			<b>Elevated Slab Wood Formwork</b> (03 11 13 00-0001)		
			Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0026	SF		Elevated Slab Wood Formwork.....	4.83	
			<i>For &lt;1,000, Add</i>	0.83	
<b>03 11 13 00-0027</b>			<b>Metal Framed Formwork</b> (03 11 13)		
			Note: For all metal framed and metal form systems. Includes erecting, stripping, stacking, oiling, studs/walers, strongbacks, deadmen, supporting braces, tumblers, ties, and clips.		
<b>03 11 13 00-0028</b>			<b>Foundation Metal Framed Formwork</b> (03 11 13 00-0027)		
			Note: For foundation work below or at grade.		
03 11 13 00-0029	SF		Continuous Footings Foundation Metal Framed Formwork .....	3.51	
			<i>For &lt;1,000, Add</i>	0.58	
			<i>For Foundations &gt;8' Below Grade, Add</i>	0.52	
			<i>For Curved Formwork, Add</i>	1.04	
03 11 13 00-0030	SF		Pile Cap, Pier Or Spread Footings Foundation Metal Framed Formwork .....	3.82	
			<i>For &lt;1,000, Add</i>	0.64	
			<i>For Foundations &gt;8' Below Grade, Add</i>	0.58	
			<i>For Curved Formwork, Add</i>	1.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0031 SF Mat Foundation Metal Framed Formwork.....	4.39	
<i>For &lt;1,000, Add</i>	0.72	
<i>For Foundations &gt;8' Below Grade, Add</i>	0.65	
<i>For Curved Formwork, Add</i>	1.29	
03 11 13 00-0032 SF Grade Beams Or Duct Bank Foundation Metal Framed Formwork .....	3.71	
<i>For &lt;1,000, Add</i>	0.61	
<i>For Foundations &gt;8' Below Grade, Add</i>	0.54	
<i>For Curved Formwork, Add</i>	1.09	
03 11 13 00-0033 SF Below Grade Walls Foundation Metal Framed Formwork .....	5.44	
<i>Note: Excludes footing.</i>		
<i>For &lt;1,000, Add</i>	0.92	
<i>For Foundations &gt;8' Below Grade, Add</i>	0.84	
<i>For Curved Formwork, Add</i>	1.68	
<b>03 11 13 00-0034 Slab Edge And Block-Out Metal Framed Formwork</b> (03 11 13 00-0027)		
03 11 13 00-0035 LF Up To 6" High Slab Edge and Block-Out Metal Framed Formwork .....	2.11	
<i>For Foundations &gt;8' Below Grade, Add</i>	0.40	
<i>For Curved Formwork, Add</i>	0.79	
<i>For &lt;250, Add</i>	0.41	
03 11 13 00-0036 LF >6" To 12" High Slab Edge and Block-Out Metal Framed Formwork.....	2.68	
<i>For Foundations &gt;8' Below Grade, Add</i>	0.50	
<i>For Curved Formwork, Add</i>	0.99	
<i>For &lt;250, Add</i>	0.51	
03 11 13 00-0037 SF >12" High Slab Edge and Block-Out Metal Framed Formwork.....	2.98	
<i>For Foundations &gt;8' Below Grade, Add</i>	0.55	
<i>For Curved Formwork, Add</i>	1.10	
<i>For &lt;1,000, Add</i>	0.57	
<b>03 11 13 00-0038 Column Metal Framed Formwork</b> (03 11 13 00-0027)		
<b>03 11 13 00-0039 Square Columns</b> (03 11 13 00-0038)		
03 11 13 00-0040 LF Up To 12" Square Column Metal Framed Formwork.....	22.59	
03 11 13 00-0041 LF >12" To 16" Square Column Metal Framed Formwork .....	27.62	
03 11 13 00-0042 LF >16" To 20" Square Column Metal Framed Formwork .....	32.67	
03 11 13 00-0043 LF >20" To 24" Square Column Metal Framed Formwork .....	38.86	
03 11 13 00-0044 LF >24" To 30" Square Column Metal Framed Formwork .....	46.99	
03 11 13 00-0045 LF >30" To 36" Square Column Metal Framed Formwork .....	56.74	
03 11 13 00-0046 LF >36" To 48" Square Column Metal Framed Formwork .....	73.01	
03 11 13 00-0047 LF >48" To 60" Square Column Metal Framed Formwork .....	90.48	
<b>03 11 13 00-0048 Round Columns</b> (03 11 13 00-0038)		
03 11 13 00-0049 LF Up To 12" Diameter Column Metal Formwork .....	31.12	
03 11 13 00-0050 LF >12" To 16" Diameter Column Metal Formwork.....	33.92	
03 11 13 00-0051 LF >16" To 20" Diameter Column Metal Formwork.....	38.16	
03 11 13 00-0052 LF >20" To 24" Diameter Column Metal Formwork.....	43.12	
03 11 13 00-0053 LF >24" To 30" Diameter Column Metal Formwork.....	50.01	
03 11 13 00-0054 LF >30" To 36" Diameter Column Metal Formwork.....	56.62	
03 11 13 00-0055 LF >36" To 48" Diameter Column Metal Formwork.....	76.79	
03 11 13 00-0056 LF >48" To 60" Diameter Column Metal Formwork.....	108.54	
<b>03 11 13 00-0057 Above Grade Wall Metal Framed Formwork</b> (03 11 13 00-0027)		
03 11 13 00-0058 SF Up to 8' High Above Grade Wall Metal Framed Formwork .....	3.74	
<i>For Curved Formwork, Add</i>	1.00	
<i>For &lt;1,000, Add</i>	0.58	
03 11 13 00-0059 SF >8' High Above Grade Wall Metal Framed Formwork.....	4.66	
<i>For Curved Formwork, Add</i>	1.22	
<i>For &lt;1,000, Add</i>	0.72	
<b>03 11 13 00-0060 Elevated Beam Metal Framed Formwork</b> (03 11 13 00-0027)		
<i>Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.</i>		
03 11 13 00-0061 SF Bottom of Elevated Beam Metal Framed Formwork .....	3.75	
<i>For Curved Formwork, Add</i>	0.95	
<i>For &lt;1,000, Add</i>	0.57	
03 11 13 00-0062 SF Vertical Sides of Elevated Beam Metal Framed Formwork.....	2.85	
<i>For Curved Formwork, Add</i>	0.74	
<i>For &lt;1,000, Add</i>	0.44	
<b>03 11 13 00-0063 Elevated Slab Metal Framed Formwork</b> (03 11 13 00-0027)		
<i>Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.</i>		
03 11 13 00-0064 SF Elevated Slab Metal Framed Formwork.....	5.42	
<i>For &lt;1,000, Add</i>	0.73	
<b>03 11 13 00-0065 Fiber Tube Formwork</b> (03 11 13)		
<i>Note: Includes all supporting braces, erecting, aligning, stripping, turnbuckles, ties and clips.</i>		
<b>03 11 13 00-0066 Round Column Fiber Tube Formwork</b> (03 11 13 00-0065)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0067 LF 6" Diameter Round Fiber Tube Formwork .....	8.06	
For Plastic Lined, Add	0.55	
For Columns >12' In Length, Add	0.81	
03 11 13 00-0068 LF 8" Diameter Round Fiber Tube Formwork .....	8.61	
For Plastic Lined, Add	0.64	
For Columns >12' In Length, Add	0.86	
03 11 13 00-0069 LF 10" Diameter Round Fiber Tube Formwork .....	9.56	
For Plastic Lined, Add	0.74	
For Columns >12' In Length, Add	0.96	
03 11 13 00-0070 LF 12" Diameter Round Fiber Tube Formwork .....	11.60	
For Plastic Lined, Add	1.06	
For Columns >12' In Length, Add	1.16	
03 11 13 00-0071 LF 14" Diameter Round Fiber Tube Formwork .....	13.53	
For Plastic Lined, Add	1.44	
For Columns >12' In Length, Add	1.35	
03 11 13 00-0072 LF 16" Diameter Round Fiber Tube Formwork .....	15.11	
For Plastic Lined, Add	1.82	
For Columns >12' In Length, Add	1.51	
03 11 13 00-0073 LF 18" Diameter Round Fiber Tube Formwork .....	15.99	
For Plastic Lined, Add	1.98	
For Columns >12' In Length, Add	1.60	
03 11 13 00-0074 LF 20" Diameter Round Fiber Tube Formwork .....	17.96	
For Plastic Lined, Add	2.47	
For Columns >12' In Length, Add	1.80	
03 11 13 00-0075 LF 22" Diameter Round Fiber Tube Formwork .....	20.16	
For Plastic Lined, Add	2.98	
For Columns >12' In Length, Add	2.02	
03 11 13 00-0076 LF 24" Diameter Round Fiber Tube Formwork .....	22.34	
For Plastic Lined, Add	3.49	
For Columns >12' In Length, Add	2.23	
03 11 13 00-0077 LF 26" Diameter Round Fiber Tube Formwork .....	23.59	
For Plastic Lined, Add	3.80	
For Columns >12' In Length, Add	2.36	
03 11 13 00-0078 LF 28" Diameter Round Fiber Tube Formwork .....	25.64	
For Plastic Lined, Add	4.36	
For Columns >12' In Length, Add	2.56	
03 11 13 00-0079 LF 30" Diameter Round Fiber Tube Formwork .....	27.86	
For Plastic Lined, Add	4.97	
For Columns >12' In Length, Add	2.79	
03 11 13 00-0080 LF 36" Diameter Round Fiber Tube Formwork .....	35.70	
For Plastic Lined, Add	7.11	
For Columns >12' In Length, Add	3.57	
03 11 13 00-0081 LF 42" Diameter Round Fiber Tube Formwork .....	52.76	
For Plastic Lined, Add	12.07	
For Columns >12' In Length, Add	5.28	
03 11 13 00-0082 LF 48" Diameter Round Fiber Tube Formwork .....	64.88	
For Plastic Lined, Add	15.56	
For Columns >12' In Length, Add	6.49	
03 11 13 00-0083 LF 54" Diameter Round Fiber Tube Formwork .....	116.15	
For Plastic Lined, Add	30.69	
For Columns >12' In Length, Add	11.62	
03 11 13 00-0084 LF 60" Diameter Round Fiber Tube Formwork .....	130.05	
For Plastic Lined, Add	34.67	
For Columns >12' In Length, Add	13.01	
<b>03 11 13 00-0085 Accessories For Formwork</b> (03 11 13)		
<b>03 11 13 00-0086 Keyway Forms, All Materials</b> (03 11 13 00-0085)		
03 11 13 00-0087 LF 2" x 4" To 2" x 6" Keyway Forms for Concrete Formwork, All Materials.....	0.84	
<b>03 11 13 00-0088 Chamfer Strips, All Materials</b> (03 11 13 00-0085)		
03 11 13 00-0089 LF 1/2" Wide Chamfer Strips for Concrete Formwork, All Materials.....	0.89	
03 11 13 00-0090 LF 3/4" Wide Chamfer Strips for Concrete Formwork, All Materials.....	1.04	
03 11 13 00-0091 LF 1" Wide Chamfer Strips for Concrete Formwork, All Materials.....	1.20	
<b>03 11 13 00-0092 Strip Out Reglets For Concrete Formwork</b> (03 11 13 00-0085)		
03 11 13 00-0093 LF 24 To 26 Gauge Galvanized Steel, Strip Out Reglets For Concrete Formwork.....	4.75	
<b>03 11 13 00-0094 Sleeves And Chases, Plastic Or Sheet Metal</b> (03 11 13 00-0085)		
03 11 13 00-0095 EA 2" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	5.96	
03 11 13 00-0096 EA 4" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	7.82	
03 11 13 00-0097 EA 6" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	9.51	
03 11 13 00-0098 EA 8" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	11.90	
03 11 13 00-0099 EA 12" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	15.64	
03 11 13 00-0100 EA 18" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal.....	43.13	

### 03 11 16 Architectural Cast-In-Place Concrete Forming (03 11)



<b>Concrete</b>	<b>03</b>	<b>03</b>	
<b>Concrete Forming And Accessories</b>			<b>03 10</b>
<b>Concrete Forming</b>			<b>03 11</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>03 11 16 13 Concrete Form Liners (03 11 16)</b>		
<b>03 11 16 13-0001 Concrete Form Liners (03 11 16 13)</b>		
03 11 16 13-0002 SF Various Patterns And Textures, 1 Use, Concrete Form Liner, Add To Formwork.....	3.13	
03 11 16 13-0003 SF Rusticated Concrete Finish, Beveled Edge, 1 Use, Concrete Form Liner, Add To Formwork .....	3.15	
03 11 16 13-0004 SF Rusticated Concrete Finish, Square Edge, 1 Use, Concrete Form Liner, Add To Formwork .....	4.03	
<b>03 11 23 Permanent Stair Forming (03 11)</b>		
<b>03 11 23 00-0001 Stairway Wood Formwork (03 11 23)</b>		
03 11 23 00-0002 SF Cast On Grade Stairway Wood Formwork.....	7.30	
<i>For Curved Formwork, Add</i>	2.71	
<i>For &lt;1,000, Add</i>	1.39	
03 11 23 00-0003 SF Elevated Stairway Wood Formwork .....	14.48	
<i>Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.</i>		
<i>For Curved Formwork, Add</i>	5.26	
<i>For &lt;1,000, Add</i>	2.72	
<b>03 11 23 00-0004 Stairway Metal Framed Formwork (03 11 23)</b>		
03 11 23 00-0005 SF Cast On Grade Stairway Metal Framed Formwork.....	6.44	
<i>For Curved Formwork, Add</i>	2.24	
<i>For &lt;1,000, Add</i>	1.18	
03 11 23 00-0006 SF Elevated Stairway Metal Framed Formwork .....	11.66	
<i>Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.</i>		
<i>For Curved Formwork, Add</i>	4.13	
<i>For &lt;1,000, Add</i>	2.16	
<b>03 15 Concrete Accessories (03 10)</b>		
<b>03 15 13 Waterstops (03 15)</b>		
<b>03 15 13 13 Non-Expanding Waterstops (03 15 13)</b>		
<b>03 15 13 13-0001 Polyvinyl Chloride (PVC) Waterstops (03 15 13 13)</b>		
03 15 13 13-0002 LF 3/16" Thick x 4" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop.....	3.85	
03 15 13 13-0003 LF 3/16" Thick x 6" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop.....	4.52	
03 15 13 13-0004 LF 3/16" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb .....	5.92	
03 15 13 13-0005 LF 3/8" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb .....	6.73	
03 15 13 13-0006 LF 1/2" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop .....	12.12	
03 15 13 13-0007 LF 3/16" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop .....	5.34	
03 15 13 13-0008 LF 3/8" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop .....	6.34	
03 15 13 13-0009 LF 3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop .....	13.61	
03 15 13 13-0010 LF 3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop With Center Bulb .....	9.90	
<b>03 15 13 13-0011 Rubber Waterstops (03 15 13 13)</b>		
03 15 13 13-0012 LF 3/8" Thick x 6" Wide Rubber Dumbbell Waterstop.....	4.66	
03 15 13 13-0013 LF 3/8" Thick x 9" Wide Rubber Dumbbell Waterstop.....	5.68	
03 15 13 13-0014 LF 1/4" Thick x 6" Wide Rubber Waterstop, With Center Bulb.....	5.76	
03 15 13 13-0015 LF 1/4" Thick x 9" Wide Rubber Waterstop, With Center Bulb.....	8.90	
03 15 13 13-0016 LF 3/8" Thick x 6" Wide Rubber Waterstop, With Center Bulb.....	6.36	
03 15 13 13-0017 LF 3/8" Thick x 9" Wide Rubber Waterstop, With Center Bulb.....	9.04	
<b>03 15 13 16 Expanding Waterstops (03 15 13)</b>		
<b>03 15 13 16-0001 Bentonite Waterstops (03 15 13 16)</b>		
03 15 13 16-0002 LF 3/4" x 3/8" Bentonite Waterstop .....	3.79	
03 15 13 16-0003 LF 1-1/4" x 1/2" Bentonite Waterstop.....	6.43	
03 15 13 16-0004 LF 1" x 3/4" Bentonite Waterstop.....	7.38	
03 15 13 16-0005 LF 1" x 1" Bentonite Waterstop.....	8.69	
<b>03 15 16 Concrete Construction Joints (03 15)</b>		
<b>03 15 16 00-0001 Poured Expansion Joint (03 15 16)</b>		
03 15 16 00-0002 LF 1/2" x 1" Plain Asphalt Expansion Joint, Poured.....	1.10	0.39
<i>For Installation In Walls, Add</i>	0.65	
03 15 16 00-0003 LF 1" x 2" Plain Asphalt Expansion Joint, Poured.....	1.95	0.39
<i>For Installation In Walls, Add</i>	0.74	
03 15 16 00-0004 LF 1/2" x 1" Liquid Neoprene Expansion Joint, Poured, Cold Applied .....	1.86	0.39
<i>For Installation In Walls, Add</i>	0.65	
03 15 16 00-0005 LF 1" x 2" Liquid Neoprene Expansion Joint, Poured, Cold Applied .....	4.99	0.39
<i>For Installation In Walls, Add</i>	0.74	
03 15 16 00-0006 LF 1/2" x 1" Polyurethane Expansion Joint, Poured, 2 Parts .....	2.83	0.39
<i>For Installation In Walls, Add</i>	0.74	
03 15 16 00-0007 LF 1" x 2" Polyurethane Expansion Joint, Poured, Poured, 2 Parts.....	5.27	0.39
<i>For Installation In Walls, Add</i>	1.19	





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 16 00-0008	LF		1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Or Cold Applied.....	1.17	0.39
			<i>For Installation In Walls, Add</i>	0.65	
03 15 16 00-0009	LF		1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant .....	1.33	0.39
			<i>For Installation In Walls, Add</i>	0.65	
03 15 16 00-0010	LF		1" x 2" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant .....	2.78	0.39
			<i>For Installation In Walls, Add</i>	0.74	
<b>03 15 16 00-0011</b>			<b>Premolded Expansion Joints</b> (03 15 16)		
<b>03 15 16 00-0012</b>			<b>Asphalt Saturated Fiber, Premolded Expansion Joints</b> (03 15 16 00-0011)		
03 15 16 00-0013	LF		1/4" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint.....	0.93	0.39
03 15 16 00-0014	LF		1/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.14	0.42
03 15 16 00-0015	LF		1/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.25	0.44
03 15 16 00-0016	LF		1/4" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.38	0.46
03 15 16 00-0017	LF		3/8" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.09	0.39
03 15 16 00-0018	LF		3/8" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.26	0.42
03 15 16 00-0019	LF		3/8" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.49	0.44
03 15 16 00-0020	LF		3/8" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.83	0.46
03 15 16 00-0021	LF		1/2" x 2" Asphalt Saturated Fiber, Premolded Expansion Joint.....	0.95	0.37
03 15 16 00-0022	LF		1/2" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.07	0.39
03 15 16 00-0023	LF		1/2" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.20	0.42
03 15 16 00-0024	LF		1/2" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.31	0.44
03 15 16 00-0025	LF		1/2" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.47	0.46
03 15 16 00-0026	LF		1/2" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.70	0.48
03 15 16 00-0027	LF		1/2" x 10" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.86	0.49
03 15 16 00-0028	LF		1/2" x 12" Asphalt Saturated Fiber, Premolded Expansion Joint.....	2.18	0.51
03 15 16 00-0029	LF		3/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.21	0.42
03 15 16 00-0030	LF		3/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.48	0.44
03 15 16 00-0031	LF		3/4" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint.....	1.94	0.48
03 15 16 00-0032	SF		1" Asphalt Saturated Fiber, Premolded Expansion Joint.....	3.74	0.65
<b>03 15 16 00-0033</b>			<b>Cork, Premolded Expansion Joints</b> (03 15 16 00-0011)		
03 15 16 00-0034	LF		1/2" x 4" Cork, Premolded Expansion Joint .....	2.13	0.42
03 15 16 00-0035	LF		1/2" x 6" Cork, Premolded Expansion Joint .....	2.42	0.46
03 15 16 00-0036	LF		1/2" x 8" Cork, Premolded Expansion Joint .....	2.68	0.48
03 15 16 00-0037	LF		1/2" x 10" Cork, Premolded Expansion Joint.....	4.13	0.49
03 15 16 00-0038	LF		1/2" x 12" Cork, Premolded Expansion Joint.....	4.42	0.51
03 15 16 00-0039	SF		1/2" Cork, Premolded Expansion Joint.....	4.71	0.65
03 15 16 00-0040	SF		3/4" Cork, Premolded Expansion Joint.....	5.68	0.65
03 15 16 00-0041	SF		1" Cork, Premolded Expansion Joint .....	6.13	0.65
<b>03 15 16 00-0042</b>			<b>Flexible Polyethylene Foam, Premolded Expansion Joints</b> (03 15 16 00-0011)		
03 15 16 00-0043	LF		1/4" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint .....	1.02	0.42
03 15 16 00-0044	LF		1/4" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint .....	1.07	0.44
03 15 16 00-0045	LF		1/4" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint .....	1.14	0.46
03 15 16 00-0046	LF		1/4" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint .....	1.44	0.48
03 15 16 00-0047	LF		1/2" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint .....	1.08	0.42
03 15 16 00-0048	LF		1/2" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint .....	1.13	0.44
03 15 16 00-0049	LF		1/2" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint .....	1.17	0.46
03 15 16 00-0050	LF		1/2" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint .....	1.35	0.48
<b>03 15 16 00-0051</b>			<b>Zip Strip, Premolded Expansion Joints</b> (03 15 16 00-0011)		
03 15 16 00-0052	LF		1" Zip Strip, Premolded Expansion Joint.....	1.05	0.42
03 15 16 00-0053	LF		1-1/2" Zip Strip, Premolded Expansion Joint.....	1.18	0.44
03 15 16 00-0054	LF		2" Zip Strip, Premolded Expansion Joint.....	1.34	0.48
<b>03 15 16 00-0055</b>			<b>Sponge Rubber, Premolded Expansion Joints</b> (03 15 16 00-0011)		
03 15 16 00-0056	LF		1/2" x 4" Sponge Rubber, Premolded Expansion Joint.....	2.76	0.39
03 15 16 00-0057	LF		1/2" x 6" Sponge Rubber, Premolded Expansion Joint .....	3.30	0.39
<b>03 15 16 00-0058</b>			<b>Asphalt Felt Control Joints Or Bond Breaker</b> (03 15 16)		
03 15 16 00-0059	SF		Asphalt Felt Control Joint, 30 LB Felt Bond Breaker.....	0.48	0.29
			>1,250, Deduct	-0.02	
03 15 16 00-0060	SF		Asphalt Felt Control Joint, 15 LB Felt Bond Breaker.....	0.43	0.29
			>1,250, Deduct	-0.02	
<b>03 15 16 00-0061</b>			<b>Keyed Cold Expansion And Control Joints</b> (03 15 16)		
<b>03 15 16 00-0062</b>			<b>24 Gauge Galvanized Steel With Stakes</b> (03 15 16 00-0061)		
03 15 16 00-0063	LF		24 Gauge Galvanized Steel Keyed Joint, 3-1/2" Cold Expansion Or Control Joint .....	2.84	
03 15 16 00-0064	LF		24 Gauge Galvanized Steel Keyed Joint, 4-1/2" Cold Expansion Or Control Joint .....	2.97	
03 15 16 00-0065	LF		24 Gauge Galvanized Steel Keyed Joint, 5-1/2" Cold Expansion Or Control Joint.....	3.12	
03 15 16 00-0066	LF		24 Gauge Galvanized Steel Keyed Joint, 7-1/2" Cold Expansion Or Control Joint.....	3.46	
03 15 16 00-0067	LF		24 Gauge Galvanized Steel Keyed Joint, 9-1/2" Cold Expansion Or Control Joint.....	5.19	



<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Concrete Forming And Accessories</b>	<b>03 10</b>	
<b>Concrete Accessories</b>	<b>03 15</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>03 15 16 00-0068</b> <b>Expansion Control Systems</b> <small>(03 15 16)</small>		
<b>03 15 16 00-0069</b> <b>Wabo Jeene "FW" Traffic Series Expansion Control System</b> <small>(03 15 16 00-0068)</small>		
<p>Note: Jeene® is a patented structural sealing joint system comprised of a neoprene profile, which is air-pressurized and bonded in place with a specially formulated epoxy adhesive. Complete adhesion of the epoxy to the profile and joint wall is achieved due to the air inflation during installation.</p>		
03 15 16 00-0070    LF    1" x 1-1/4" Jeene "FW" Expansion Joint System.....	45.14	2.39
<p>Note: Jeene 25FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.</p>		
03 15 16 00-0071    LF    1-5/8" x 2" Jeene "FW" Expansion Joint System.....	56.52	2.71
<p>Note: Jeene 40FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.</p>		
03 15 16 00-0072    LF    2" x 2-1/2" Jeene "FW" Expansion Joint System.....	65.89	2.99
<p>Note: Jeene 50FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.</p>		
03 15 16 00-0073    LF    2-1/2" x 3-1/4" Jeene "FW" Expansion Joint System.....	79.35	3.31
<p>Note: Jeene 65FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.</p>		
03 15 16 00-0074    LF    3" x 3-3/4" Jeene "FW" Expansion Joint System.....	101.35	3.63
<p>Note: Jeene 75FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.</p>		
03 15 16 00-0075    LF    3-7/8" x 5" Jeene "FW" Expansion Joint System.....	120.87	3.91
<p>Note: Jeene 100FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.</p>		
03 15 16 00-0076    LF    5" x 6-1/8" Jeene "FW" Expansion Joint System.....	203.83	4.23
<p>Note: Jeene 125FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.</p>		
<b>03 15 16 00-0077</b> <b>Wabo ElastoFlex "EFJ" High Impact Load Expansion Joint System</b> <small>(03 15 16 00-0068)</small>		
<p>Note: Wabo®ElastoFlex is a watertight continuous membrane system for joints with movements up to four inches in parking decks, loading docks, elevated roadways and other vehicle and forklift traffic. It uses mechanically fastened ethylene propylene diene monomer (EPDM) anchor blocks with molded-in steel inserts to support heavy duty and high impact loads. The winged flap of the durable elastomeric seal is locked between the anchor block and concrete slab. An epoxy paste bedding adhesive is applied between the winged flap and concrete slab to enhance the product's watertightness. The exposed surfaces are non-metallic and skid resistant while resisting UV deterioration and most chemicals.</p>		
03 15 16 00-0078    LF    1-1/2" ElastoFlex "EFJ" Expansion Joint System.....	89.25	3.14
<p>Note: ElastoFlex EFJ-225 slab to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.</p>		
03 15 16 00-0079    LF    2-1/2" ElastoFlex "EFJ" Expansion Joint System.....	110.87	3.93
<p>Note: ElastoFlex EFJ-400 slab to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.</p>		
03 15 16 00-0080    LF    3-3/4" ElastoFlex "EFJ" Expansion Joint System.....	139.85	4.71
<p>Note: ElastoFlex EFJ-600 slab to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.</p>		
03 15 16 00-0081    LF    1-1/2" ElastoFlex "EFJ-C" Expansion Joint System.....	65.98	3.14
<p>Note: ElastoFlex EFJ-225C wall to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.</p>		
03 15 16 00-0082    LF    2-1/2" ElastoFlex "EFJ-C" Expansion Joint System.....	86.23	3.93
<p>Note: ElastoFlex EFJ-400C wall to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.</p>		
03 15 16 00-0083    LF    3-3/4" ElastoFlex "EFJ-C" Expansion Joint System.....	116.58	4.71
<p>Note: ElastoFlex EFJ-600C wall to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.</p>		
<b>03 15 16 00-0084</b> <b>Emseal Seismic Colorseal Expansion Joint System</b> <small>(03 15 16 00-0068)</small>		
<p>Note: For high-movement and seismic structural expansion joints, panel joints, window perimeter joints, joints around other penetrations of the building envelope such as store-fronts, curtain walls, EIFS panel joints etc, seal shall be silicone pre-coated, preformed, pre-compressed, self-expanding, sealant system. Seal shall combine factory-applied, 15 Shore-A hardness, low-modulus silicone, and a backing of acrylic-impregnated expanding foam into a unified binary sealant system.</p>		
03 15 16 00-0085    LF    1" Seismic Colorseal Expansion Joint System.....	28.14	1.60
<p>Note: Includes seal, adhesive, field applied silicon comerbeads and all components required for installation. Excludes surface preparation.</p>		
03 15 16 00-0086    LF    1-1/2" Seismic Colorseal Expansion Joint System.....	43.20	1.83
<p>Note: Includes seal, adhesive, field applied silicon comerbeads and all components required for installation. Excludes surface preparation.</p>		
03 15 16 00-0087    LF    2" Seismic Colorseal Expansion Joint System.....	61.05	2.07
<p>Note: Includes seal, adhesive, field applied silicon comerbeads and all components required for installation. Excludes surface preparation.</p>		
03 15 16 00-0088    LF    2-1/2" Seismic Colorseal Expansion Joint System.....	76.41	2.28
<p>Note: Includes seal, adhesive, field applied silicon comerbeads and all components required for installation. Excludes surface preparation.</p>		
03 15 16 00-0089    LF    3" Seismic Colorseal Expansion Joint System.....	94.95	2.51
<p>Note: Includes seal, adhesive, field applied silicon comerbeads and all components required for installation. Excludes surface preparation.</p>		
03 15 16 00-0090    LF    3-1/2" Seismic Colorseal Expansion Joint System.....	118.00	2.75
<p>Note: Includes seal, adhesive, field applied silicon comerbeads and all components required for installation. Excludes surface preparation.</p>		
03 15 16 00-0091    LF    4" Seismic Colorseal Expansion Joint System.....	142.44	2.99
<p>Note: Includes seal, adhesive, field applied silicon comerbeads and all components required for installation. Excludes surface preparation.</p>		

**03 Concrete****03 10 Concrete Forming And Accessories****03 15 Concrete Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 16 00-0092 LF 4-1/2" Seismic Colorseal Expansion Joint System.....	164.42	3.19
Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.		
03 15 16 00-0093 LF 5" Seismic Colorseal Expansion Joint System.....	187.47	3.43
Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.		
<b>03 15 16 00-0094 Emseal Thermaflex Watertight Expansion Joint System</b> <small>(03 15 16 00-0068)</small>		
Note: Thermaflex consists of extruded thermo-plastic Santoprene rubber sealing glands with punched flanges embedded in a high-strength, flexible, impact-absorbing elastomeric concrete nosing. The thermo-plastic Santoprene sealing glands are heat-weldable making transitions through changes in direction and plane not only practical but watertight. The elastomeric concrete is two-part polyurethane reinforced with silica sand and fiberglass.		
03 15 16 00-0095 LF 1-1/2" Thermaflex TM Expansion Joint System.....	48.63	2.36
Note: Includes seal, adhesive, polyurethane elastomeric concrete and all components required for installation. Excludes surface preparation.		
03 15 16 00-0096 LF 2-1/2" Thermaflex TM Expansion Joint System.....	51.30	2.75
Note: Includes seal, adhesive, polyurethane elastomeric concrete and all components required for installation. Excludes surface preparation.		
03 15 16 00-0097 EA Thermaflex TM Fittings Expansion Joint System.....	261.04	7.86
Note: For direction changes, tees and crosses. Includes seal, adhesive, polyurethane elastomeric concrete and all components required for installation. Excludes surface preparation.		
<b>03 15 19 Cast-In Concrete Anchors</b> <small>(03 15)</small>		
<b>03 15 19 00-0001 Cast In Place Anchors</b> <small>(03 15 19)</small>		
Note: For cast in place installations. Includes nut and washer.		
<b>03 15 19 00-0002 J-Type Anchor Bolts</b> <small>(03 15 19 00-0001)</small>		
See CSI section 03 11 13 00-0002 for template.		
<b>03 15 19 00-0003 1/2" And 5/8" Diameter</b> <small>(03 15 19 00-0002)</small>		
03 15 19 00-0004 EA 1/2" Diameter x 6" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	4.02	
For Galvanized, Add	0.90	
For Stainless Steel, Add	6.27	
For >10 To 50, Deduct	-0.11	
For >50 To 100, Deduct	-0.27	
For >100, Deduct	-0.54	
03 15 19 00-0005 EA 1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	4.68	
For Galvanized, Add	1.14	
For Stainless Steel, Add	7.98	
For >10 To 50, Deduct	-0.12	
For >50 To 100, Deduct	-0.30	
For >100, Deduct	-0.59	
03 15 19 00-0006 EA 1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	5.75	
For Galvanized, Add	1.57	
For Stainless Steel, Add	10.99	
For >10 To 50, Deduct	-0.13	
For >50 To 100, Deduct	-0.34	
For >100, Deduct	-0.68	
03 15 19 00-0007 EA 5/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	6.71	
For Galvanized, Add	2.05	
For Stainless Steel, Add	14.35	
For >10 To 50, Deduct	-0.13	
For >50 To 100, Deduct	-0.36	
For >100, Deduct	-0.73	
03 15 19 00-0008 EA 5/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	8.32	
For Galvanized, Add	2.74	
For Stainless Steel, Add	19.18	
For >10 To 50, Deduct	-0.14	
For >50 To 100, Deduct	-0.42	
For >100, Deduct	-0.84	
03 15 19 00-0009 EA 5/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	9.38	
For Galvanized, Add	3.13	
For Stainless Steel, Add	21.91	
For >10 To 50, Deduct	-0.16	
For >50 To 100, Deduct	-0.47	
For >100, Deduct	-0.94	
<b>03 15 19 00-0010 3/4" And 7/8" Diameter</b> <small>(03 15 19 00-0002)</small>		
03 15 19 00-0011 EA 3/4" Diameter x 8" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	9.34	
For Galvanized, Add	3.11	
For Stainless Steel, Add	21.77	
For >10 To 50, Deduct	-0.16	
For >50 To 100, Deduct	-0.47	
For >100, Deduct	-0.94	
03 15 19 00-0012 EA 3/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....	10.73	
For Galvanized, Add	3.63	
For Stainless Steel, Add	25.38	
For >10 To 50, Deduct	-0.17	
For >50 To 100, Deduct	-0.53	
For >100, Deduct	-1.06	



<b>Concrete</b>	<b>03</b>	<b>03</b>	
<b>Concrete Forming And Accessories</b>			<b>03 10</b>
<b>Concrete Accessories</b>			<b>03 15</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0013 EA 3/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	13.18	
For Galvanized, Add	4.64	
For Stainless Steel, Add	32.48	
For >10 To 50, Deduct	-0.20	
For >50 To 100, Deduct	-0.62	
For >100, Deduct	-1.24	
03 15 19 00-0014 EA 3/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	16.08	
For Galvanized, Add	5.85	
For Stainless Steel, Add	40.95	
For >10 To 50, Deduct	-0.22	
For >50 To 100, Deduct	-0.73	
For >100, Deduct	-1.46	
03 15 19 00-0015 EA 7/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	12.40	
For Galvanized, Add	4.25	
For Stainless Steel, Add	29.75	
For >10 To 50, Deduct	-0.20	
For >50 To 100, Deduct	-0.60	
For >100, Deduct	-1.21	
03 15 19 00-0016 EA 7/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	14.64	
For Galvanized, Add	5.09	
For Stainless Steel, Add	35.60	
For >10 To 50, Deduct	-0.22	
For >50 To 100, Deduct	-0.70	
For >100, Deduct	-1.40	
03 15 19 00-0017 EA 7/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	18.77	
For Galvanized, Add	6.78	
For Stainless Steel, Add	47.46	
For >10 To 50, Deduct	-0.26	
For >50 To 100, Deduct	-0.86	
For >100, Deduct	-1.72	
<b>03 15 19 00-0018 1" And 1-1/8" Diameter</b> (03 15 19 00-0002) .....		
03 15 19 00-0019 EA 1" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	15.46	
For Galvanized, Add	5.50	
For Stainless Steel, Add	38.47	
For >10 To 50, Deduct	-0.22	
For >50 To 100, Deduct	-0.72	
For >100, Deduct	-1.44	
03 15 19 00-0020 EA 1" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	18.44	
For Galvanized, Add	6.62	
For Stainless Steel, Add	46.31	
For >10 To 50, Deduct	-0.26	
For >50 To 100, Deduct	-0.85	
For >100, Deduct	-1.70	
03 15 19 00-0021 EA 1" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	22.83	
For Galvanized, Add	8.29	
For Stainless Steel, Add	58.03	
For >10 To 50, Deduct	-0.31	
For >50 To 100, Deduct	-1.04	
For >100, Deduct	-2.08	
03 15 19 00-0022 EA 1" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	28.08	
For Galvanized, Add	10.13	
For Stainless Steel, Add	70.91	
For >10 To 50, Deduct	-0.39	
For >50 To 100, Deduct	-1.29	
For >100, Deduct	-2.58	
03 15 19 00-0023 EA 1-1/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	18.65	
For Galvanized, Add	6.87	
For Stainless Steel, Add	48.09	
For >10 To 50, Deduct	-0.25	
For >50 To 100, Deduct	-0.83	
For >100, Deduct	-1.67	
03 15 19 00-0024 EA 1-1/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	22.26	
For Galvanized, Add	8.27	
For Stainless Steel, Add	57.89	
For >10 To 50, Deduct	-0.29	
For >50 To 100, Deduct	-0.99	
For >100, Deduct	-1.97	
03 15 19 00-0025 EA 1-1/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	27.59	
For Galvanized, Add	10.37	
For Stainless Steel, Add	72.56	
For >10 To 50, Deduct	-0.34	
For >50 To 100, Deduct	-1.20	
For >100, Deduct	-2.41	
03 15 19 00-0026 EA 1-1/8" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	33.90	
For Galvanized, Add	12.66	
For Stainless Steel, Add	88.62	
For >10 To 50, Deduct	-0.43	
For >50 To 100, Deduct	-1.49	
For >100, Deduct	-2.98	
<b>03 15 19 00-0027 1-1/4" And 1-1/2" Diameter</b> (03 15 19 00-0002) .....		

**03 Concrete****03 10 Concrete Forming And Accessories****03 15 Concrete Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0028	EA		1-1/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	22.60	
			<i>For Galvanized, Add</i>	8.59	
			<i>For Stainless Steel, Add</i>	60.10	
			<i>For &gt;10 To 50, Deduct</i>	-0.27	
			<i>For &gt;50 To 100, Deduct</i>	-0.97	
			<i>For &gt;100, Deduct</i>	-1.94	
03 15 19 00-0029	EA		1-1/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	27.01	
			<i>For Galvanized, Add</i>	10.34	
			<i>For Stainless Steel, Add</i>	72.35	
			<i>For &gt;10 To 50, Deduct</i>	-0.32	
			<i>For &gt;50 To 100, Deduct</i>	-1.15	
			<i>For &gt;100, Deduct</i>	-2.30	
03 15 19 00-0030	EA		1-1/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	33.52	
			<i>For Galvanized, Add</i>	12.96	
			<i>For Stainless Steel, Add</i>	90.72	
			<i>For &gt;10 To 50, Deduct</i>	-0.38	
			<i>For &gt;50 To 100, Deduct</i>	-1.41	
			<i>For &gt;100, Deduct</i>	-2.82	
03 15 19 00-0031	EA		1-1/4" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	41.15	
			<i>For Galvanized, Add</i>	15.83	
			<i>For Stainless Steel, Add</i>	110.78	
			<i>For &gt;10 To 50, Deduct</i>	-0.48	
			<i>For &gt;50 To 100, Deduct</i>	-1.74	
			<i>For &gt;100, Deduct</i>	-3.48	
03 15 19 00-0032	EA		1-1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	27.56	
			<i>For Galvanized, Add</i>	10.74	
			<i>For Stainless Steel, Add</i>	75.15	
			<i>For &gt;10 To 50, Deduct</i>	-0.30	
			<i>For &gt;50 To 100, Deduct</i>	-1.15	
			<i>For &gt;100, Deduct</i>	-2.29	
03 15 19 00-0033	EA		1-1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	32.95	
			<i>For Galvanized, Add</i>	12.92	
			<i>For Stainless Steel, Add</i>	90.44	
			<i>For &gt;10 To 50, Deduct</i>	-0.36	
			<i>For &gt;50 To 100, Deduct</i>	-1.36	
			<i>For &gt;100, Deduct</i>	-2.71	
03 15 19 00-0034	EA		1-1/2" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	40.93	
			<i>For Galvanized, Add</i>	16.20	
			<i>For Stainless Steel, Add</i>	113.40	
			<i>For &gt;10 To 50, Deduct</i>	-0.43	
			<i>For &gt;50 To 100, Deduct</i>	-1.66	
			<i>For &gt;100, Deduct</i>	-3.33	
03 15 19 00-0035	EA		1-1/2" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	50.22	
			<i>For Galvanized, Add</i>	19.79	
			<i>For Stainless Steel, Add</i>	138.50	
			<i>For &gt;10 To 50, Deduct</i>	-0.53	
			<i>For &gt;50 To 100, Deduct</i>	-2.05	
			<i>For &gt;100, Deduct</i>	-4.11	
03 15 19 00-0036			<b>L-Type Anchor Bolts</b> <small>(03 15 19 00-0001)</small>		
			See CSI section 03 11 13 00-0002 for template.		
03 15 19 00-0037			<b>3/4" And 7/8" Diameter</b> <small>(03 15 19 00-0036)</small>		
03 15 19 00-0038	EA		3/4" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	8.23	
			<i>For Galvanized, Add</i>	2.38	
			<i>For Stainless Steel, Add</i>	16.63	
			<i>For &gt;10 To 50, Deduct</i>	-0.17	
			<i>For &gt;50 To 100, Deduct</i>	-0.47	
			<i>For &gt;100, Deduct</i>	-0.93	
03 15 19 00-0039	EA		3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	9.77	
			<i>For Galvanized, Add</i>	2.94	
			<i>For Stainless Steel, Add</i>	20.55	
			<i>For &gt;10 To 50, Deduct</i>	-0.20	
			<i>For &gt;50 To 100, Deduct</i>	-0.54	
			<i>For &gt;100, Deduct</i>	-1.07	
03 15 19 00-0040	EA		3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	11.20	
			<i>For Galvanized, Add</i>	3.37	
			<i>For Stainless Steel, Add</i>	23.56	
			<i>For &gt;10 To 50, Deduct</i>	-0.22	
			<i>For &gt;50 To 100, Deduct</i>	-0.62	
			<i>For &gt;100, Deduct</i>	-1.23	
03 15 19 00-0041	EA		3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	12.20	
			<i>For Galvanized, Add</i>	3.50	
			<i>For Stainless Steel, Add</i>	24.47	
			<i>For &gt;10 To 50, Deduct</i>	-0.26	
			<i>For &gt;50 To 100, Deduct</i>	-0.70	
			<i>For &gt;100, Deduct</i>	-1.39	
03 15 19 00-0042	EA		3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	13.58	
			<i>For Galvanized, Add</i>	3.67	
			<i>For Stainless Steel, Add</i>	25.66	
			<i>For &gt;10 To 50, Deduct</i>	-0.31	
			<i>For &gt;50 To 100, Deduct</i>	-0.81	
			<i>For &gt;100, Deduct</i>	-1.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0043 EA 7/8" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	9.79	
For Galvanized, Add	2.95	
For Stainless Steel, Add	20.62	
For >10 To 50, Deduct	-0.20	
For >50 To 100, Deduct	-0.54	
For >100, Deduct	-1.07	
03 15 19 00-0044 EA 7/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	11.34	
For Galvanized, Add	3.44	
For Stainless Steel, Add	24.05	
For >10 To 50, Deduct	-0.22	
For >50 To 100, Deduct	-0.62	
For >100, Deduct	-1.24	
03 15 19 00-0045 EA 7/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	13.08	
For Galvanized, Add	3.94	
For Stainless Steel, Add	27.55	
For >10 To 50, Deduct	-0.26	
For >50 To 100, Deduct	-0.72	
For >100, Deduct	-1.44	
03 15 19 00-0046 EA 7/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	14.42	
For Galvanized, Add	4.09	
For Stainless Steel, Add	28.60	
For >10 To 50, Deduct	-0.31	
For >50 To 100, Deduct	-0.83	
For >100, Deduct	-1.66	
03 15 19 00-0047 EA 7/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	16.41	
For Galvanized, Add	4.30	
For Stainless Steel, Add	30.07	
For >10 To 50, Deduct	-0.39	
For >50 To 100, Deduct	-1.00	
For >100, Deduct	-1.99	
<b>03 15 19 00-0048 1" And 1-1/8" Diameter</b> (03 15 19 00-0036) .....		
03 15 19 00-0049 EA 1" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	12.03	
For Galvanized, Add	3.78	
For Stainless Steel, Add	26.46	
For >10 To 50, Deduct	-0.22	
For >50 To 100, Deduct	-0.64	
For >100, Deduct	-1.27	
03 15 19 00-0050 EA 1" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	13.71	
For Galvanized, Add	4.25	
For Stainless Steel, Add	29.75	
For >10 To 50, Deduct	-0.26	
For >50 To 100, Deduct	-0.73	
For >100, Deduct	-1.47	
03 15 19 00-0051 EA 1" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	15.75	
For Galvanized, Add	4.75	
For Stainless Steel, Add	33.25	
For >10 To 50, Deduct	-0.31	
For >50 To 100, Deduct	-0.86	
For >100, Deduct	-1.73	
03 15 19 00-0052 EA 1" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	16.74	
For Galvanized, Add	4.98	
For Stainless Steel, Add	34.83	
For >10 To 50, Deduct	-0.34	
For >50 To 100, Deduct	-0.93	
For >100, Deduct	-1.86	
03 15 19 00-0053 EA 1" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	18.24	
For Galvanized, Add	5.21	
For Stainless Steel, Add	36.47	
For >10 To 50, Deduct	-0.39	
For >50 To 100, Deduct	-1.04	
For >100, Deduct	-2.09	
03 15 19 00-0054 EA 1" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	20.77	
For Galvanized, Add	6.04	
For Stainless Steel, Add	42.28	
For >10 To 50, Deduct	-0.43	
For >50 To 100, Deduct	-1.17	
For >100, Deduct	-2.34	
03 15 19 00-0055 EA 1" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	24.55	
For Galvanized, Add	7.07	
For Stainless Steel, Add	49.46	
For >10 To 50, Deduct	-0.52	
For >50 To 100, Deduct	-1.40	
For >100, Deduct	-2.79	
03 15 19 00-0056 EA 1-1/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	15.15	
For Galvanized, Add	4.97	
For Stainless Steel, Add	34.79	
For >10 To 50, Deduct	-0.26	
For >50 To 100, Deduct	-0.77	
For >100, Deduct	-1.54	

**03 Concrete****03 10 Concrete Forming And Accessories****03 15 Concrete Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0057	EA		1-1/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	17.38	
			<i>For Galvanized, Add</i>	5.57	
			<i>For Stainless Steel, Add</i>	38.96	
			<i>For &gt;10 To 50, Deduct</i>	-0.31	
			<i>For &gt;50 To 100, Deduct</i>	-0.90	
			<i>For &gt;100, Deduct</i>	-1.81	
03 15 19 00-0058	EA		1-1/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	18.43	
			<i>For Galvanized, Add</i>	5.82	
			<i>For Stainless Steel, Add</i>	40.74	
			<i>For &gt;10 To 50, Deduct</i>	-0.34	
			<i>For &gt;50 To 100, Deduct</i>	-0.97	
			<i>For &gt;100, Deduct</i>	-1.94	
<b>03 15 19 00-0059</b>			<b>1-1/4" And 1-3/8" Diameter</b> <small>(03 15 19 00-0036)</small>		
03 15 19 00-0060	EA		1-1/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	18.27	
			<i>For Galvanized, Add</i>	6.01	
			<i>For Stainless Steel, Add</i>	42.07	
			<i>For &gt;10 To 50, Deduct</i>	-0.31	
			<i>For &gt;50 To 100, Deduct</i>	-0.93	
			<i>For &gt;100, Deduct</i>	-1.85	
03 15 19 00-0061	EA		1-1/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	21.89	
			<i>For Galvanized, Add</i>	7.04	
			<i>For Stainless Steel, Add</i>	49.25	
			<i>For &gt;10 To 50, Deduct</i>	-0.39	
			<i>For &gt;50 To 100, Deduct</i>	-1.13	
			<i>For &gt;100, Deduct</i>	-2.27	
03 15 19 00-0062	EA		1-1/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	24.16	
			<i>For Galvanized, Add</i>	7.97	
			<i>For Stainless Steel, Add</i>	55.76	
			<i>For &gt;10 To 50, Deduct</i>	-0.41	
			<i>For &gt;50 To 100, Deduct</i>	-1.22	
			<i>For &gt;100, Deduct</i>	-2.44	
03 15 19 00-0063	EA		1-1/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	26.68	
			<i>For Galvanized, Add</i>	9.00	
			<i>For Stainless Steel, Add</i>	62.97	
			<i>For &gt;10 To 50, Deduct</i>	-0.43	
			<i>For &gt;50 To 100, Deduct</i>	-1.32	
			<i>For &gt;100, Deduct</i>	-2.64	
03 15 19 00-0064	EA		1-1/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	29.34	
			<i>For Galvanized, Add</i>	9.79	
			<i>For Stainless Steel, Add</i>	68.50	
			<i>For &gt;10 To 50, Deduct</i>	-0.49	
			<i>For &gt;50 To 100, Deduct</i>	-1.47	
			<i>For &gt;100, Deduct</i>	-2.93	
03 15 19 00-0065	EA		1-1/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	32.11	
			<i>For Galvanized, Add</i>	10.48	
			<i>For Stainless Steel, Add</i>	73.33	
			<i>For &gt;10 To 50, Deduct</i>	-0.56	
			<i>For &gt;50 To 100, Deduct</i>	-1.64	
			<i>For &gt;100, Deduct</i>	-3.28	
03 15 19 00-0066	EA		1-1/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	35.46	
			<i>For Galvanized, Add</i>	11.22	
			<i>For Stainless Steel, Add</i>	78.51	
			<i>For &gt;10 To 50, Deduct</i>	-0.65	
			<i>For &gt;50 To 100, Deduct</i>	-1.86	
			<i>For &gt;100, Deduct</i>	-3.73	
03 15 19 00-0067	EA		1-1/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	40.43	
			<i>For Galvanized, Add</i>	12.40	
			<i>For Stainless Steel, Add</i>	86.80	
			<i>For &gt;10 To 50, Deduct</i>	-0.78	
			<i>For &gt;50 To 100, Deduct</i>	-2.18	
			<i>For &gt;100, Deduct</i>	-4.37	
03 15 19 00-0068	EA		1-3/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	21.28	
			<i>For Galvanized, Add</i>	7.52	
			<i>For Stainless Steel, Add</i>	52.61	
			<i>For &gt;10 To 50, Deduct</i>	-0.31	
			<i>For &gt;50 To 100, Deduct</i>	-1.00	
			<i>For &gt;100, Deduct</i>	-2.00	
03 15 19 00-0069	EA		1-3/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	25.41	
			<i>For Galvanized, Add</i>	8.80	
			<i>For Stainless Steel, Add</i>	61.57	
			<i>For &gt;10 To 50, Deduct</i>	-0.39	
			<i>For &gt;50 To 100, Deduct</i>	-1.22	
			<i>For &gt;100, Deduct</i>	-2.44	
03 15 19 00-0070	EA		1-3/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	28.14	
			<i>For Galvanized, Add</i>	9.96	
			<i>For Stainless Steel, Add</i>	69.69	
			<i>For &gt;10 To 50, Deduct</i>	-0.41	
			<i>For &gt;50 To 100, Deduct</i>	-1.32	
			<i>For &gt;100, Deduct</i>	-2.64	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	03 15 19 00-0071	EA		1-3/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	31.17	
				<i>For Galvanized, Add</i>	11.24	
				<i>For Stainless Steel, Add</i>	78.68	
				<i>For &gt;10 To 50, Deduct</i>	-0.43	
				<i>For &gt;50 To 100, Deduct</i>	-1.43	
				<i>For &gt;100, Deduct</i>	-2.86	
	03 15 19 00-0072	EA		1-3/8" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	34.23	
				<i>For Galvanized, Add</i>	12.23	
				<i>For Stainless Steel, Add</i>	85.61	
				<i>For &gt;10 To 50, Deduct</i>	-0.49	
				<i>For &gt;50 To 100, Deduct</i>	-1.59	
				<i>For &gt;100, Deduct</i>	-3.18	
	03 15 19 00-0073	EA		1-3/8" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	37.36	
				<i>For Galvanized, Add</i>	13.10	
				<i>For Stainless Steel, Add</i>	91.70	
				<i>For &gt;10 To 50, Deduct</i>	-0.56	
				<i>For &gt;50 To 100, Deduct</i>	-1.77	
				<i>For &gt;100, Deduct</i>	-3.54	
	03 15 19 00-0074	EA		1-3/8" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	41.30	
				<i>For Galvanized, Add</i>	14.14	
				<i>For Stainless Steel, Add</i>	98.95	
				<i>For &gt;10 To 50, Deduct</i>	-0.65	
				<i>For &gt;50 To 100, Deduct</i>	-2.01	
				<i>For &gt;100, Deduct</i>	-4.02	
	03 15 19 00-0075	EA		1-3/8" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	46.63	
				<i>For Galvanized, Add</i>	15.50	
				<i>For Stainless Steel, Add</i>	108.50	
				<i>For &gt;10 To 50, Deduct</i>	-0.78	
				<i>For &gt;50 To 100, Deduct</i>	-2.34	
				<i>For &gt;100, Deduct</i>	-4.68	
	<b>03 15 19 00-0076</b>			<b>1-1/2", 1-3/4", And 2" Diameter</b> <small>(03 15 19 00-0036)</small>		
	03 15 19 00-0077	EA		1-1/2" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	27.94	
				<i>For Galvanized, Add</i>	10.42	
				<i>For Stainless Steel, Add</i>	72.91	
				<i>For &gt;10 To 50, Deduct</i>	-0.36	
				<i>For &gt;50 To 100, Deduct</i>	-1.23	
				<i>For &gt;100, Deduct</i>	-2.46	
	03 15 19 00-0078	EA		1-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	30.08	
				<i>For Galvanized, Add</i>	10.93	
				<i>For Stainless Steel, Add</i>	76.48	
				<i>For &gt;10 To 50, Deduct</i>	-0.41	
				<i>For &gt;50 To 100, Deduct</i>	-1.37	
				<i>For &gt;100, Deduct</i>	-2.74	
	03 15 19 00-0079	EA		1-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	33.23	
				<i>For Galvanized, Add</i>	12.02	
				<i>For Stainless Steel, Add</i>	84.14	
				<i>For &gt;10 To 50, Deduct</i>	-0.46	
				<i>For &gt;50 To 100, Deduct</i>	-1.52	
				<i>For &gt;100, Deduct</i>	-3.04	
	03 15 19 00-0080	EA		1-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	36.03	
				<i>For Galvanized, Add</i>	13.13	
				<i>For Stainless Steel, Add</i>	91.91	
				<i>For &gt;10 To 50, Deduct</i>	-0.49	
				<i>For &gt;50 To 100, Deduct</i>	-1.63	
				<i>For &gt;100, Deduct</i>	-3.27	
	03 15 19 00-0081	EA		1-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	38.91	
				<i>For Galvanized, Add</i>	14.25	
				<i>For Stainless Steel, Add</i>	99.72	
				<i>For &gt;10 To 50, Deduct</i>	-0.52	
				<i>For &gt;50 To 100, Deduct</i>	-1.75	
				<i>For &gt;100, Deduct</i>	-3.51	
	03 15 19 00-0082	EA		1-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	42.66	
				<i>For Galvanized, Add</i>	15.32	
				<i>For Stainless Steel, Add</i>	107.24	
				<i>For &gt;10 To 50, Deduct</i>	-0.60	
				<i>For &gt;50 To 100, Deduct</i>	-1.97	
				<i>For &gt;100, Deduct</i>	-3.94	
	03 15 19 00-0083	EA		1-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	47.35	
				<i>For Galvanized, Add</i>	16.57	
				<i>For Stainless Steel, Add</i>	115.99	
				<i>For &gt;10 To 50, Deduct</i>	-0.71	
				<i>For &gt;50 To 100, Deduct</i>	-2.25	
				<i>For &gt;100, Deduct</i>	-4.50	
	03 15 19 00-0084	EA		1-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	54.12	
				<i>For Galvanized, Add</i>	18.38	
				<i>For Stainless Steel, Add</i>	128.63	
				<i>For &gt;10 To 50, Deduct</i>	-0.87	
				<i>For &gt;50 To 100, Deduct</i>	-2.66	
				<i>For &gt;100, Deduct</i>	-5.31	



**03 Concrete****03 10 Concrete Forming And Accessories****03 15 Concrete Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0085	EA		1-3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	39.16	
			<i>For Galvanized, Add</i>	15.67	
			<i>For Stainless Steel, Add</i>	109.69	
			<i>For &gt;10 To 50, Deduct</i>	-0.39	
			<i>For &gt;50 To 100, Deduct</i>	-1.57	
			<i>For &gt;100, Deduct</i>	-3.13	
03 15 19 00-0086	EA		1-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	40.71	
			<i>For Galvanized, Add</i>	16.01	
			<i>For Stainless Steel, Add</i>	112.07	
			<i>For &gt;10 To 50, Deduct</i>	-0.43	
			<i>For &gt;50 To 100, Deduct</i>	-1.67	
			<i>For &gt;100, Deduct</i>	-3.34	
03 15 19 00-0087	EA		1-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	41.73	
			<i>For Galvanized, Add</i>	16.27	
			<i>For Stainless Steel, Add</i>	113.89	
			<i>For &gt;10 To 50, Deduct</i>	-0.46	
			<i>For &gt;50 To 100, Deduct</i>	-1.73	
			<i>For &gt;100, Deduct</i>	-3.47	
03 15 19 00-0088	EA		1-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	47.35	
			<i>For Galvanized, Add</i>	18.79	
			<i>For Stainless Steel, Add</i>	131.53	
			<i>For &gt;10 To 50, Deduct</i>	-0.49	
			<i>For &gt;50 To 100, Deduct</i>	-1.92	
			<i>For &gt;100, Deduct</i>	-3.83	
03 15 19 00-0089	EA		1-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	54.54	
			<i>For Galvanized, Add</i>	21.69	
			<i>For Stainless Steel, Add</i>	151.83	
			<i>For &gt;10 To 50, Deduct</i>	-0.56	
			<i>For &gt;50 To 100, Deduct</i>	-2.20	
			<i>For &gt;100, Deduct</i>	-4.40	
03 15 19 00-0090	EA		1-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	56.98	
			<i>For Galvanized, Add</i>	21.98	
			<i>For Stainless Steel, Add</i>	153.83	
			<i>For &gt;10 To 50, Deduct</i>	-0.65	
			<i>For &gt;50 To 100, Deduct</i>	-2.40	
			<i>For &gt;100, Deduct</i>	-4.80	
03 15 19 00-0091	EA		1-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	63.09	
			<i>For Galvanized, Add</i>	23.73	
			<i>For Stainless Steel, Add</i>	166.11	
			<i>For &gt;10 To 50, Deduct</i>	-0.78	
			<i>For &gt;50 To 100, Deduct</i>	-2.75	
			<i>For &gt;100, Deduct</i>	-5.50	
03 15 19 00-0092	EA		1-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	70.65	
			<i>For Galvanized, Add</i>	25.56	
			<i>For Stainless Steel, Add</i>	178.92	
			<i>For &gt;10 To 50, Deduct</i>	-0.98	
			<i>For &gt;50 To 100, Deduct</i>	-3.23	
			<i>For &gt;100, Deduct</i>	-6.46	
03 15 19 00-0093	EA		2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	56.90	
			<i>For Galvanized, Add</i>	23.86	
			<i>For Stainless Steel, Add</i>	166.99	
			<i>For &gt;10 To 50, Deduct</i>	-0.46	
			<i>For &gt;50 To 100, Deduct</i>	-2.11	
			<i>For &gt;100, Deduct</i>	-4.22	
03 15 19 00-0094	EA		2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	62.00	
			<i>For Galvanized, Add</i>	25.79	
			<i>For Stainless Steel, Add</i>	180.53	
			<i>For &gt;10 To 50, Deduct</i>	-0.52	
			<i>For &gt;50 To 100, Deduct</i>	-2.33	
			<i>For &gt;100, Deduct</i>	-4.66	
03 15 19 00-0095	EA		2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	68.24	
			<i>For Galvanized, Add</i>	28.11	
			<i>For Stainless Steel, Add</i>	196.77	
			<i>For &gt;10 To 50, Deduct</i>	-0.60	
			<i>For &gt;50 To 100, Deduct</i>	-2.61	
			<i>For &gt;100, Deduct</i>	-5.22	
03 15 19 00-0096	EA		2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	73.75	
			<i>For Galvanized, Add</i>	29.77	
			<i>For Stainless Steel, Add</i>	208.39	
			<i>For &gt;10 To 50, Deduct</i>	-0.71	
			<i>For &gt;50 To 100, Deduct</i>	-2.91	
			<i>For &gt;100, Deduct</i>	-5.82	
03 15 19 00-0097	EA		2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	79.61	
			<i>For Galvanized, Add</i>	31.99	
			<i>For Stainless Steel, Add</i>	223.93	
			<i>For &gt;10 To 50, Deduct</i>	-0.78	
			<i>For &gt;50 To 100, Deduct</i>	-3.16	
			<i>For &gt;100, Deduct</i>	-6.33	
03 15 19 00-0098	EA		2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	85.69	
			<i>For Galvanized, Add</i>	34.16	
			<i>For Stainless Steel, Add</i>	239.12	
			<i>For &gt;10 To 50, Deduct</i>	-0.87	
			<i>For &gt;50 To 100, Deduct</i>	-3.45	
			<i>For &gt;100, Deduct</i>	-6.89	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0099	EA		2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	95.70	
			<i>For Galvanized, Add</i>	36.69	
			<i>For Stainless Steel, Add</i>	256.80	
			<i>For &gt;10 To 50, Deduct</i>	-1.12	
			<i>For &gt;50 To 100, Deduct</i>	-4.07	
			<i>For &gt;100, Deduct</i>	-8.13	
03 15 19 00-0100	EA		2" Diameter x 66" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	102.99	
			<i>For Galvanized, Add</i>	40.33	
			<i>For Stainless Steel, Add</i>	282.31	
			<i>For &gt;10 To 50, Deduct</i>	-1.12	
			<i>For &gt;50 To 100, Deduct</i>	-4.25	
			<i>For &gt;100, Deduct</i>	-8.50	
03 15 19 00-0101	EA		2" Diameter x 72" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	115.71	
			<i>For Galvanized, Add</i>	44.83	
			<i>For Stainless Steel, Add</i>	313.81	
			<i>For &gt;10 To 50, Deduct</i>	-1.30	
			<i>For &gt;50 To 100, Deduct</i>	-4.85	
			<i>For &gt;100, Deduct</i>	-9.69	
03 15 19 00-0102			<b>2-1/2" And 2-3/4" Diameter</b> <small>(03 15 19 00-0036)</small> .....		
03 15 19 00-0103	EA		2-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	115.19	
			<i>For Galvanized, Add</i>	53.00	
			<i>For Stainless Steel, Add</i>	371.00	
			<i>For &gt;10 To 50, Deduct</i>	-0.46	
			<i>For &gt;50 To 100, Deduct</i>	-3.57	
			<i>For &gt;100, Deduct</i>	-7.14	
03 15 19 00-0104	EA		2-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	121.21	
			<i>For Galvanized, Add</i>	55.40	
			<i>For Stainless Steel, Add</i>	387.77	
			<i>For &gt;10 To 50, Deduct</i>	-0.52	
			<i>For &gt;50 To 100, Deduct</i>	-3.81	
			<i>For &gt;100, Deduct</i>	-7.62	
03 15 19 00-0105	EA		2-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	132.17	
			<i>For Galvanized, Add</i>	60.08	
			<i>For Stainless Steel, Add</i>	420.53	
			<i>For &gt;10 To 50, Deduct</i>	-0.60	
			<i>For &gt;50 To 100, Deduct</i>	-4.21	
			<i>For &gt;100, Deduct</i>	-8.41	
03 15 19 00-0106	EA		2-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	140.83	
			<i>For Galvanized, Add</i>	63.31	
			<i>For Stainless Steel, Add</i>	443.17	
			<i>For &gt;10 To 50, Deduct</i>	-0.71	
			<i>For &gt;50 To 100, Deduct</i>	-4.59	
			<i>For &gt;100, Deduct</i>	-9.17	
03 15 19 00-0107	EA		2-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	149.04	
			<i>For Galvanized, Add</i>	66.71	
			<i>For Stainless Steel, Add</i>	466.94	
			<i>For &gt;10 To 50, Deduct</i>	-0.78	
			<i>For &gt;50 To 100, Deduct</i>	-4.90	
			<i>For &gt;100, Deduct</i>	-9.80	
03 15 19 00-0108	EA		2-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	158.38	
			<i>For Galvanized, Add</i>	70.51	
			<i>For Stainless Steel, Add</i>	493.54	
			<i>For &gt;10 To 50, Deduct</i>	-0.87	
			<i>For &gt;50 To 100, Deduct</i>	-5.26	
			<i>For &gt;100, Deduct</i>	-10.52	
03 15 19 00-0109	EA		2-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	171.13	
			<i>For Galvanized, Add</i>	74.40	
			<i>For Stainless Steel, Add</i>	520.80	
			<i>For &gt;10 To 50, Deduct</i>	-1.12	
			<i>For &gt;50 To 100, Deduct</i>	-5.95	
			<i>For &gt;100, Deduct</i>	-11.91	
03 15 19 00-0110	EA		2-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	129.76	
			<i>For Galvanized, Add</i>	60.00	
			<i>For Stainless Steel, Add</i>	419.97	
			<i>For &gt;10 To 50, Deduct</i>	-0.49	
			<i>For &gt;50 To 100, Deduct</i>	-3.98	
			<i>For &gt;100, Deduct</i>	-7.95	
03 15 19 00-0111	EA		2-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	139.52	
			<i>For Galvanized, Add</i>	64.18	
			<i>For Stainless Steel, Add</i>	449.26	
			<i>For &gt;10 To 50, Deduct</i>	-0.56	
			<i>For &gt;50 To 100, Deduct</i>	-4.33	
			<i>For &gt;100, Deduct</i>	-8.65	
03 15 19 00-0112	EA		2-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	149.83	
			<i>For Galvanized, Add</i>	68.40	
			<i>For Stainless Steel, Add</i>	478.80	
			<i>For &gt;10 To 50, Deduct</i>	-0.65	
			<i>For &gt;50 To 100, Deduct</i>	-4.72	
			<i>For &gt;100, Deduct</i>	-9.45	

<b>03</b>	<b>Concrete</b>
<b>03 10</b>	<b>Concrete Forming And Accessories</b>
<b>03 15</b>	<b>Concrete Accessories</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 15 19 00-0113	EA		2-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	160.03	
			<i>For Galvanized, Add</i>	72.20	
			<i>For Stainless Steel, Add</i>	505.40	
			<i>For &gt;10 To 50, Deduct</i>	-0.78	
			<i>For &gt;50 To 100, Deduct</i>	-5.17	
			<i>For &gt;100, Deduct</i>	-10.35	
03 15 19 00-0114	EA		2-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	170.08	
			<i>For Galvanized, Add</i>	76.36	
			<i>For Stainless Steel, Add</i>	534.49	
			<i>For &gt;10 To 50, Deduct</i>	-0.87	
			<i>For &gt;50 To 100, Deduct</i>	-5.55	
			<i>For &gt;100, Deduct</i>	-11.11	
03 15 19 00-0115	EA		2-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	184.04	
			<i>For Galvanized, Add</i>	82.26	
			<i>For Stainless Steel, Add</i>	575.79	
			<i>For &gt;10 To 50, Deduct</i>	-0.98	
			<i>For &gt;50 To 100, Deduct</i>	-6.07	
			<i>For &gt;100, Deduct</i>	-12.13	
03 15 19 00-0116	EA		2-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	199.60	
			<i>For Galvanized, Add</i>	86.78	
			<i>For Stainless Steel, Add</i>	607.43	
			<i>For &gt;10 To 50, Deduct</i>	-1.30	
			<i>For &gt;50 To 100, Deduct</i>	-6.94	
			<i>For &gt;100, Deduct</i>	-13.89	

### 03 20 Concrete Reinforcing <sup>(03)</sup>

Note: Includes cutting or torching to size, bending where necessary and tie wires.

#### 03 21 Reinforcement Bars <sup>(03 20)</sup>

Note: Includes cutting, bending, tie wire, tying, bar chairs and all non-mechanical splicing. The weights of reinforcing steel shall be used as follows: #2 - 0.167 Lbs./LF, #3 - 0.376 Lbs./LF, #4 - 0.668 Lbs./LF, #5 - 1.043 Lbs./LF, #6 - 1.502 Lbs./LF, #7 - 2.044 Lbs./LF, #8 - 2.670 Lbs./LF, #9 - 3.400 Lbs./LF, #10 - 4.303 Lbs./LF, #11 - 5.313 Lbs./LF, #14 - 7.650 Lbs./LF, #18 - 13.600 Lbs./LF.

##### 03 21 11 Plain Steel Reinforcement Bars <sup>(03 21)</sup>

##### 03 21 11 00-0001 Beams And Girders, Steel Reinforcement Bar <sup>(03 21 11)</sup>

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0002	LF	#3, Grade 40, Beams And Girders, Steel Reinforcement Bar .....	0.44
03 21 11 00-0003	LF	#4, Grade 40, Beams And Girders, Steel Reinforcement Bar .....	0.75
03 21 11 00-0004	LF	#5, Grade 40, Beams And Girders, Steel Reinforcement Bar .....	1.13
03 21 11 00-0005	LF	#6, Grade 40, Beams And Girders, Steel Reinforcement Bar .....	1.56
03 21 11 00-0006	LF	#3, Grade 50, Beams And Girders, Steel Reinforcement Bar .....	0.45
03 21 11 00-0007	LF	#4, Grade 50, Beams And Girders, Steel Reinforcement Bar .....	0.77
03 21 11 00-0008	LF	#5, Grade 50, Beams And Girders, Steel Reinforcement Bar .....	1.16
03 21 11 00-0009	LF	#6, Grade 50, Beams And Girders, Steel Reinforcement Bar .....	1.60
03 21 11 00-0010	LF	#3, Grade 60, Beams And Girders, Steel Reinforcement Bar .....	0.47
03 21 11 00-0011	LF	#4, Grade 60, Beams And Girders, Steel Reinforcement Bar .....	0.79
03 21 11 00-0012	LF	#5, Grade 60, Beams And Girders, Steel Reinforcement Bar .....	1.20
03 21 11 00-0013	LF	#6, Grade 60, Beams And Girders, Steel Reinforcement Bar .....	1.66
03 21 11 00-0014	LF	#7, Grade 60, Beams And Girders, Steel Reinforcement Bar .....	2.18
03 21 11 00-0015	LF	#8, Grade 60, Beams And Girders, Steel Reinforcement Bar .....	2.71
03 21 11 00-0016	LF	#9, Grade 60, Beams And Girders, Steel Reinforcement Bar .....	3.35
03 21 11 00-0017	LF	#10, Grade 60, Beams And Girders, Steel Reinforcement Bar .....	4.09
03 21 11 00-0018	LF	#11, Grade 60, Beams And Girders, Steel Reinforcement Bar .....	4.88
03 21 11 00-0019	LF	#14, Grade 60, Beams And Girders, Steel Reinforcement Bar .....	6.79
03 21 11 00-0020	LF	#18, Grade 60, Beams And Girders, Steel Reinforcement Bar .....	11.65
03 21 11 00-0021	LF	#6, Grade 75, Beams And Girders, Steel Reinforcement Bar .....	1.72
03 21 11 00-0022	LF	#7, Grade 75, Beams And Girders, Steel Reinforcement Bar .....	2.26
03 21 11 00-0023	LF	#8, Grade 75, Beams And Girders, Steel Reinforcement Bar .....	2.82
03 21 11 00-0024	LF	#9, Grade 75, Beams And Girders, Steel Reinforcement Bar .....	3.48
03 21 11 00-0025	LF	#10, Grade 75, Beams And Girders, Steel Reinforcement Bar .....	4.27
03 21 11 00-0026	LF	#11, Grade 75, Beams And Girders, Steel Reinforcement Bar .....	5.10
03 21 11 00-0027	LF	#14, Grade 75, Beams And Girders, Steel Reinforcement Bar .....	7.09
03 21 11 00-0028	LF	#18, Grade 75, Beams And Girders, Steel Reinforcement Bar .....	12.19
03 21 11 00-0029	LF	#3, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar .....	0.48
03 21 11 00-0030	LF	#4, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar .....	0.81
03 21 11 00-0031	LF	#5, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar .....	1.23
03 21 11 00-0032	LF	#6, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar .....	1.70
03 21 11 00-0033	LF	#7, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar .....	2.24
03 21 11 00-0034	LF	#8, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar .....	2.80
03 21 11 00-0035	LF	#9, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar .....	3.45
03 21 11 00-0036	LF	#10, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar .....	4.22
03 21 11 00-0037	LF	#11, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar .....	5.04
03 21 11 00-0038	LF	#14, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar .....	7.02
03 21 11 00-0039	LF	#18, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar .....	12.06

##### 03 21 11 00-0040 Columns, Steel Reinforcement Bar <sup>(03 21 11)</sup>

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0041	LF	#3, Grade 40, Columns, Steel Reinforcement Bar .....	0.46
03 21 11 00-0042	LF	#4, Grade 40, Columns, Steel Reinforcement Bar .....	0.80
03 21 11 00-0043	LF	#5, Grade 40, Columns, Steel Reinforcement Bar .....	1.19



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0044 LF #6, Grade 40, Columns, Steel Reinforcement Bar.....	1.64	
03 21 11 00-0045 LF #3, Grade 50, Columns, Steel Reinforcement Bar.....	0.47	
03 21 11 00-0046 LF #4, Grade 50, Columns, Steel Reinforcement Bar.....	0.82	
03 21 11 00-0047 LF #5, Grade 50, Columns, Steel Reinforcement Bar.....	1.22	
03 21 11 00-0048 LF #6, Grade 50, Columns, Steel Reinforcement Bar.....	1.68	
03 21 11 00-0049 LF #3, Grade 60, Columns, Steel Reinforcement Bar.....	0.49	
03 21 11 00-0050 LF #4, Grade 60, Columns, Steel Reinforcement Bar.....	0.84	
03 21 11 00-0051 LF #5, Grade 60, Columns, Steel Reinforcement Bar.....	1.26	
03 21 11 00-0052 LF #6, Grade 60, Columns, Steel Reinforcement Bar.....	1.74	
03 21 11 00-0053 LF #7, Grade 60, Columns, Steel Reinforcement Bar.....	2.27	
03 21 11 00-0054 LF #8, Grade 60, Columns, Steel Reinforcement Bar.....	2.81	
03 21 11 00-0055 LF #9, Grade 60, Columns, Steel Reinforcement Bar.....	3.47	
03 21 11 00-0056 LF #10, Grade 60, Columns, Steel Reinforcement Bar.....	4.24	
03 21 11 00-0057 LF #11, Grade 60, Columns, Steel Reinforcement Bar.....	5.05	
03 21 11 00-0058 LF #14, Grade 60, Columns, Steel Reinforcement Bar.....	7.01	
03 21 11 00-0059 LF #18, Grade 60, Columns, Steel Reinforcement Bar.....	11.99	
03 21 11 00-0060 LF #6, Grade 75, Columns, Steel Reinforcement Bar.....	1.80	
03 21 11 00-0061 LF #7, Grade 75, Columns, Steel Reinforcement Bar.....	2.35	
03 21 11 00-0062 LF #8, Grade 75, Columns, Steel Reinforcement Bar.....	2.92	
03 21 11 00-0063 LF #9, Grade 75, Columns, Steel Reinforcement Bar.....	3.60	
03 21 11 00-0064 LF #10, Grade 75, Columns, Steel Reinforcement Bar.....	4.42	
03 21 11 00-0065 LF #11, Grade 75, Columns, Steel Reinforcement Bar.....	5.27	
03 21 11 00-0066 LF #14, Grade 75, Columns, Steel Reinforcement Bar.....	7.31	
03 21 11 00-0067 LF #18, Grade 75, Columns, Steel Reinforcement Bar.....	12.53	
03 21 11 00-0068 LF #3, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	0.50	
03 21 11 00-0069 LF #4, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	0.86	
03 21 11 00-0070 LF #5, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	1.29	
03 21 11 00-0071 LF #6, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	1.78	
03 21 11 00-0072 LF #7, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	2.33	
03 21 11 00-0073 LF #8, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	2.90	
03 21 11 00-0074 LF #9, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	3.57	
03 21 11 00-0075 LF #10, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	4.37	
03 21 11 00-0076 LF #11, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	5.21	
03 21 11 00-0077 LF #14, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	7.24	
03 21 11 00-0078 LF #18, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	12.40	

**03 21 11 00-0079 Footings, Steel Reinforcement Bar (03 21 11)**

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0080 LF #3, Grade 40, Footings, Steel Reinforcement Bar.....	0.41	
03 21 11 00-0081 LF #4, Grade 40, Footings, Steel Reinforcement Bar.....	0.70	
03 21 11 00-0082 LF #5, Grade 40, Footings, Steel Reinforcement Bar.....	1.05	
03 21 11 00-0083 LF #6, Grade 40, Footings, Steel Reinforcement Bar.....	1.45	
03 21 11 00-0084 LF #3, Grade 50, Footings, Steel Reinforcement Bar.....	0.42	
03 21 11 00-0085 LF #4, Grade 50, Footings, Steel Reinforcement Bar.....	0.72	
03 21 11 00-0086 LF #5, Grade 50, Footings, Steel Reinforcement Bar.....	1.08	
03 21 11 00-0087 LF #6, Grade 50, Footings, Steel Reinforcement Bar.....	1.49	
03 21 11 00-0088 LF #3, Grade 60, Footings, Steel Reinforcement Bar.....	0.44	
03 21 11 00-0089 LF #4, Grade 60, Footings, Steel Reinforcement Bar.....	0.74	
03 21 11 00-0090 LF #5, Grade 60, Footings, Steel Reinforcement Bar.....	1.12	
03 21 11 00-0091 LF #6, Grade 60, Footings, Steel Reinforcement Bar.....	1.55	
03 21 11 00-0092 LF #7, Grade 60, Footings, Steel Reinforcement Bar.....	2.03	
03 21 11 00-0093 LF #8, Grade 60, Footings, Steel Reinforcement Bar.....	2.55	
03 21 11 00-0094 LF #9, Grade 60, Footings, Steel Reinforcement Bar.....	3.15	
03 21 11 00-0095 LF #10, Grade 60, Footings, Steel Reinforcement Bar.....	3.87	
03 21 11 00-0096 LF #11, Grade 60, Footings, Steel Reinforcement Bar.....	4.63	
03 21 11 00-0097 LF #14, Grade 60, Footings, Steel Reinforcement Bar.....	6.47	
03 21 11 00-0098 LF #18, Grade 60, Footings, Steel Reinforcement Bar.....	11.14	
03 21 11 00-0099 LF #6, Grade 75, Footings, Steel Reinforcement Bar.....	1.61	
03 21 11 00-0100 LF #7, Grade 75, Footings, Steel Reinforcement Bar.....	2.11	
03 21 11 00-0101 LF #8, Grade 75, Footings, Steel Reinforcement Bar.....	2.66	
03 21 11 00-0102 LF #9, Grade 75, Footings, Steel Reinforcement Bar.....	3.28	
03 21 11 00-0103 LF #10, Grade 75, Footings, Steel Reinforcement Bar.....	4.05	
03 21 11 00-0104 LF #11, Grade 75, Footings, Steel Reinforcement Bar.....	4.85	
03 21 11 00-0105 LF #14, Grade 75, Footings, Steel Reinforcement Bar.....	6.77	
03 21 11 00-0106 LF #18, Grade 75, Footings, Steel Reinforcement Bar.....	11.68	
03 21 11 00-0107 LF #3, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	0.45	
03 21 11 00-0108 LF #4, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	0.76	
03 21 11 00-0109 LF #5, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	1.15	
03 21 11 00-0110 LF #6, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	1.59	
03 21 11 00-0111 LF #7, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	2.09	
03 21 11 00-0112 LF #8, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	2.64	
03 21 11 00-0113 LF #9, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	3.25	
03 21 11 00-0114 LF #10, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	4.00	
03 21 11 00-0115 LF #11, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	4.79	
03 21 11 00-0116 LF #14, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	6.70	
03 21 11 00-0117 LF #18, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	11.55	

**03 21 11 00-0118 Slab On Grade, Steel Reinforcement Bar (03 21 11)**

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 21 11 00-0119	LF	#3, Grade 40, Slab On Grade, Steel Reinforcement Bar	0.39
03 21 11 00-0120	LF	#4, Grade 40, Slab On Grade, Steel Reinforcement Bar	0.68
03 21 11 00-0121	LF	#5, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.02
03 21 11 00-0122	LF	#6, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.41
03 21 11 00-0123	LF	#3, Grade 50, Slab On Grade, Steel Reinforcement Bar	0.40
03 21 11 00-0124	LF	#4, Grade 50, Slab On Grade, Steel Reinforcement Bar	0.70
03 21 11 00-0125	LF	#5, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.05
03 21 11 00-0126	LF	#6, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.45
03 21 11 00-0127	LF	#3, Grade 60, Slab On Grade, Steel Reinforcement Bar	0.42
03 21 11 00-0128	LF	#4, Grade 60, Slab On Grade, Steel Reinforcement Bar	0.72
03 21 11 00-0129	LF	#5, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.09
03 21 11 00-0130	LF	#6, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.51
03 21 11 00-0131	LF	#7, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.98
03 21 11 00-0132	LF	#8, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.48
03 21 11 00-0133	LF	#9, Grade 60, Slab On Grade, Steel Reinforcement Bar	3.09
03 21 11 00-0134	LF	#10, Grade 60, Slab On Grade, Steel Reinforcement Bar	3.79
03 21 11 00-0135	LF	#11, Grade 60, Slab On Grade, Steel Reinforcement Bar	4.55
03 21 11 00-0136	LF	#14, Grade 60, Slab On Grade, Steel Reinforcement Bar	6.36
03 21 11 00-0137	LF	#18, Grade 60, Slab On Grade, Steel Reinforcement Bar	10.96
03 21 11 00-0138	LF	#6, Grade 75, Slab On Grade, Steel Reinforcement Bar	1.57
03 21 11 00-0139	LF	#7, Grade 75, Slab On Grade, Steel Reinforcement Bar	2.06
03 21 11 00-0140	LF	#8, Grade 75, Slab On Grade, Steel Reinforcement Bar	2.59
03 21 11 00-0141	LF	#9, Grade 75, Slab On Grade, Steel Reinforcement Bar	3.22
03 21 11 00-0142	LF	#10, Grade 75, Slab On Grade, Steel Reinforcement Bar	3.97
03 21 11 00-0143	LF	#11, Grade 75, Slab On Grade, Steel Reinforcement Bar	4.77
03 21 11 00-0144	LF	#14, Grade 75, Slab On Grade, Steel Reinforcement Bar	6.66
03 21 11 00-0145	LF	#18, Grade 75, Slab On Grade, Steel Reinforcement Bar	11.50
03 21 11 00-0146	LF	#3, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.43
03 21 11 00-0147	LF	#4, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.74
03 21 11 00-0148	LF	#5, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.12
03 21 11 00-0149	LF	#6, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.55
03 21 11 00-0150	LF	#7, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.04
03 21 11 00-0151	LF	#8, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.57
03 21 11 00-0152	LF	#9, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	3.19
03 21 11 00-0153	LF	#10, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	3.92
03 21 11 00-0154	LF	#11, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	4.71
03 21 11 00-0155	LF	#14, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	6.59
03 21 11 00-0156	LF	#18, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	11.37

### 03 21 11 00-0157 Elevated Slabs, Steel Reinforcement Bar<sup>(0321 11)</sup>

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0158	LF	#3, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.37
03 21 11 00-0159	LF	#4, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.64
03 21 11 00-0160	LF	#5, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.96
03 21 11 00-0161	LF	#6, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.34
03 21 11 00-0162	LF	#3, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.38
03 21 11 00-0163	LF	#4, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.66
03 21 11 00-0164	LF	#5, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.99
03 21 11 00-0165	LF	#6, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.38
03 21 11 00-0166	LF	#3, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.40
03 21 11 00-0167	LF	#4, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.68
03 21 11 00-0168	LF	#5, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.03
03 21 11 00-0169	LF	#6, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.44
03 21 11 00-0170	LF	#7, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.89
03 21 11 00-0171	LF	#8, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.37
03 21 11 00-0172	LF	#9, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.95
03 21 11 00-0173	LF	#10, Grade 60, Elevated Slabs, Steel Reinforcement Bar	3.65
03 21 11 00-0174	LF	#11, Grade 60, Elevated Slabs, Steel Reinforcement Bar	4.38
03 21 11 00-0175	LF	#14, Grade 60, Elevated Slabs, Steel Reinforcement Bar	6.15
03 21 11 00-0176	LF	#18, Grade 60, Elevated Slabs, Steel Reinforcement Bar	10.62
03 21 11 00-0177	LF	#6, Grade 75, Elevated Slabs, Steel Reinforcement Bar	1.50
03 21 11 00-0178	LF	#7, Grade 75, Elevated Slabs, Steel Reinforcement Bar	1.97
03 21 11 00-0179	LF	#8, Grade 75, Elevated Slabs, Steel Reinforcement Bar	2.48
03 21 11 00-0180	LF	#9, Grade 75, Elevated Slabs, Steel Reinforcement Bar	3.08
03 21 11 00-0181	LF	#10, Grade 75, Elevated Slabs, Steel Reinforcement Bar	3.83
03 21 11 00-0182	LF	#11, Grade 75, Elevated Slabs, Steel Reinforcement Bar	4.60
03 21 11 00-0183	LF	#14, Grade 75, Elevated Slabs, Steel Reinforcement Bar	6.45
03 21 11 00-0184	LF	#18, Grade 75, Elevated Slabs, Steel Reinforcement Bar	11.16
03 21 11 00-0185	LF	#3, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.41
03 21 11 00-0186	LF	#4, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.70
03 21 11 00-0187	LF	#5, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.06
03 21 11 00-0188	LF	#6, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.48
03 21 11 00-0189	LF	#7, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.95
03 21 11 00-0190	LF	#8, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.46
03 21 11 00-0191	LF	#9, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	3.05
03 21 11 00-0192	LF	#10, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	3.78
03 21 11 00-0193	LF	#11, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	4.54
03 21 11 00-0194	LF	#14, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	6.38
03 21 11 00-0195	LF	#18, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	11.03



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>03 21 11 00-0196</b> <b>Walls, Steel Reinforcement Bar</b> <small>(03 21 11)</small>		
Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.		
03 21 11 00-0197    LF    #3, Grade 40, Walls, Steel Reinforcement Bar .....	0.36	
03 21 11 00-0198    LF    #4, Grade 40, Walls, Steel Reinforcement Bar .....	0.62	
03 21 11 00-0199    LF    #5, Grade 40, Walls, Steel Reinforcement Bar .....	0.93	
03 21 11 00-0200    LF    #6, Grade 40, Walls, Steel Reinforcement Bar .....	1.30	
03 21 11 00-0201    LF    #3, Grade 50, Walls, Steel Reinforcement Bar .....	0.37	
03 21 11 00-0202    LF    #4, Grade 50, Walls, Steel Reinforcement Bar .....	0.64	
03 21 11 00-0203    LF    #5, Grade 50, Walls, Steel Reinforcement Bar .....	0.96	
03 21 11 00-0204    LF    #6, Grade 50, Walls, Steel Reinforcement Bar .....	1.34	
03 21 11 00-0205    LF    #3, Grade 60, Walls, Steel Reinforcement Bar .....	0.39	
03 21 11 00-0206    LF    #4, Grade 60, Walls, Steel Reinforcement Bar .....	0.66	
03 21 11 00-0207    LF    #5, Grade 60, Walls, Steel Reinforcement Bar .....	1.00	
03 21 11 00-0208    LF    #6, Grade 60, Walls, Steel Reinforcement Bar .....	1.40	
03 21 11 00-0209    LF    #7, Grade 60, Walls, Steel Reinforcement Bar .....	1.84	
03 21 11 00-0210    LF    #8, Grade 60, Walls, Steel Reinforcement Bar .....	2.32	
03 21 11 00-0211    LF    #9, Grade 60, Walls, Steel Reinforcement Bar .....	2.89	
03 21 11 00-0212    LF    #10, Grade 60, Walls, Steel Reinforcement Bar .....	3.57	
03 21 11 00-0213    LF    #11, Grade 60, Walls, Steel Reinforcement Bar .....	4.30	
03 21 11 00-0214    LF    #14, Grade 60, Walls, Steel Reinforcement Bar .....	6.04	
03 21 11 00-0215    LF    #18, Grade 60, Walls, Steel Reinforcement Bar .....	10.45	
03 21 11 00-0216    LF    #6, Grade 75, Walls, Steel Reinforcement Bar .....	1.46	
03 21 11 00-0217    LF    #7, Grade 75, Walls, Steel Reinforcement Bar .....	1.92	
03 21 11 00-0218    LF    #8, Grade 75, Walls, Steel Reinforcement Bar .....	2.43	
03 21 11 00-0219    LF    #9, Grade 75, Walls, Steel Reinforcement Bar .....	3.02	
03 21 11 00-0220    LF    #10, Grade 75, Walls, Steel Reinforcement Bar .....	3.75	
03 21 11 00-0221    LF    #11, Grade 75, Walls, Steel Reinforcement Bar .....	4.52	
03 21 11 00-0222    LF    #14, Grade 75, Walls, Steel Reinforcement Bar .....	6.34	
03 21 11 00-0223    LF    #18, Grade 75, Walls, Steel Reinforcement Bar .....	10.99	
03 21 11 00-0224    LF    #3, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	0.40	
03 21 11 00-0225    LF    #4, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	0.68	
03 21 11 00-0226    LF    #5, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	1.03	
03 21 11 00-0227    LF    #6, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	1.44	
03 21 11 00-0228    LF    #7, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	1.90	
03 21 11 00-0229    LF    #8, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	2.41	
03 21 11 00-0230    LF    #9, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	2.99	
03 21 11 00-0231    LF    #10, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	3.70	
03 21 11 00-0232    LF    #11, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	4.46	
03 21 11 00-0233    LF    #14, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	6.27	
03 21 11 00-0234    LF    #18, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	10.86	
<b>03 21 11 00-0235</b> <b>Mechanical Joint Connection</b> <small>(03 21 11)</small>		
<b>03 21 11 00-0236</b> <b>Thermal Type Mechanical Joint Connection</b> <small>(03 21 11 00-0235)</small>		
03 21 11 00-0237    EA    Thermal Type Mechanical Joint Connection, Add Per Splice .....	154.25	
<b>03 21 11 00-0238</b> <b>Screwed Type Mechanical Joint Connection</b> <small>(03 21 11 00-0235)</small>		
03 21 11 00-0239    EA    Screwed Type Mechanical Joint Connection, Add Per Splice .....	83.82	
<b>03 21 11 00-0240</b> <b>Deformed Straight Dowels</b> <small>(03 21 11)</small>		
Note: Excludes drilling. See CSI section 02 41 19 13-0278 for drilling in concrete.		
03 21 11 00-0241    EA    3/8" Diameter x 24" Long, Deformed Straight Dowel .....	1.30	
For Up To 12" Length, Deduct	-0.24	
For >12" To <24" Length, Deduct	-0.12	
03 21 11 00-0242    EA    1/2" Diameter x 24" Long, Deformed Straight Dowel .....	1.59	
For Up To 12" Length, Deduct	-0.32	
For >12" To <24" Length, Deduct	-0.16	
03 21 11 00-0243    EA    5/8" Diameter x 24" Long, Deformed Straight Dowel .....	2.09	
For Up To 12" Length, Deduct	-0.50	
For >12" To <24" Length, Deduct	-0.25	
03 21 11 00-0244    EA    3/4" Diameter x 24" Long, Deformed Straight Dowel .....	2.68	
For Up To 12" Length, Deduct	-0.72	
For >12" To <24" Length, Deduct	-0.36	
03 21 11 00-0245    EA    7/8" Diameter x 24" Long, Deformed Straight Dowel .....	3.38	
For Up To 12" Length, Deduct	-1.01	
For >12" To <24" Length, Deduct	-0.51	
03 21 11 00-0246    EA    1" Diameter x 24" Long, Deformed Straight Dowel .....	4.28	
For Up To 12" Length, Deduct	-1.30	
For >12" To <24" Length, Deduct	-0.65	
03 21 11 00-0247    EA    1-1/8" Diameter x 24" Long, Deformed Straight Dowel .....	5.16	
For Up To 12" Length, Deduct	-1.60	
For >12" To <24" Length, Deduct	-0.80	
03 21 11 00-0248    EA    1-1/4" Diameter x 24" Long, Deformed Straight Dowel .....	6.48	
For Up To 12" Length, Deduct	-2.09	
For >12" To <24" Length, Deduct	-1.04	
03 21 11 00-0249    EA    1-3/8" Diameter x 24" Long, Deformed Straight Dowel .....	7.82	
For Up To 12" Length, Deduct	-2.58	
For >12" To <24" Length, Deduct	-1.29	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>03 21 11 00-0250</b>		<b>Spirals, Reinforcing Steel</b> <small>(03 21 11)</small>	
03 21 11 00-0251	TON	Up To 15" Diameter, Grade 60, Spirals, Reinforcing Steel .....	3,622.96
		<i>For Grade 75, Add</i>	194.39
03 21 11 00-0252	TON	>15" To 24" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,598.21
		<i>For Grade 75, Add</i>	194.39
03 21 11 00-0253	TON	>24" To 36" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,598.21
		<i>For Grade 75, Add</i>	194.39
03 21 11 00-0254	TON	>36" To 48" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,548.47
		<i>For Grade 75, Add</i>	194.39
03 21 11 00-0255	TON	>48" To 64" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,506.73
		<i>For Grade 75, Add</i>	194.39
03 21 11 00-0256	TON	>64" To 84" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,529.19
		<i>For Grade 75, Add</i>	199.17
03 21 11 00-0257	TON	>84" To 96" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,494.24
		<i>For Grade 75, Add</i>	199.17
<b>03 21 11 00-0258</b>		<b>Hook Bolt - Tie Rod Assembly</b> <small>(03 21 11)</small>	
03 21 11 00-0259	EA	Hook Bolt Tie Rod Assembly, 5/8" Diameter.....	10.63
		Note: Galvanized steel. Includes two 8" hook bolts with 2" hook length and connector sleeve.	
<b>03 21 11 00-0260</b>		<b>Accessories For Reinforcing Steel</b> <small>(03 21 11)</small>	
<b>03 21 11 00-0261</b>		<b>Reinforcing Steel Weld Splice</b> <small>(03 21 11 00-0260)</small>	
03 21 11 00-0262	EA	Up To #6 Reinforcing Steel Weld Splice.....	25.88
03 21 11 00-0263	EA	>#6 Reinforcing Steel Weld Splice.....	37.45
<b>03 21 11 00-0264</b>		<b>Reinforcing Steel Sleeve And Wedge Splice Joint</b> <small>(03 21 11 00-0260)</small>	
03 21 11 00-0265	EA	Up To #4 Reinforcing Steel, Sleeve And Wedge Splice Joint.....	21.02
03 21 11 00-0266	EA	#5 Reinforcing Steel, Sleeve And Wedge Splice Joint.....	32.96
03 21 11 00-0267	EA	#6 Reinforcing Steel, Sleeve And Wedge Splice Joint.....	50.10
<b>03 21 13</b>		<b>Galvanized Reinforcement Steel Bars</b> <small>(03 21)</small>	
<b>03 21 13 00-0001</b>		<b>Beams And Girders, Galvanized Steel Reinforcement Bar</b> <small>(03 21 13)</small>	
		Note: ASTM A-767 Hot Dipped Galvanized Steel.	
03 21 13 00-0002	LF	#3, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar.....	0.55
03 21 13 00-0003	LF	#4, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar.....	0.93
03 21 13 00-0004	LF	#5, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar.....	1.42
03 21 13 00-0005	LF	#6, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar.....	1.97
03 21 13 00-0006	LF	#3, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar.....	0.56
03 21 13 00-0007	LF	#4, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar.....	0.95
03 21 13 00-0008	LF	#5, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar.....	1.45
03 21 13 00-0009	LF	#6, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar.....	2.01
03 21 13 00-0010	LF	#3, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	0.57
03 21 13 00-0011	LF	#4, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	0.98
03 21 13 00-0012	LF	#5, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	1.49
03 21 13 00-0013	LF	#6, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	2.07
03 21 13 00-0014	LF	#7, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	2.74
03 21 13 00-0015	LF	#8, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	3.45
03 21 13 00-0016	LF	#9, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	4.28
03 21 13 00-0017	LF	#10, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	5.28
03 21 13 00-0018	LF	#11, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	6.34
03 21 13 00-0019	LF	#14, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	8.89
03 21 13 00-0020	LF	#18, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar.....	15.39
03 21 13 00-0021	LF	#6, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar.....	2.13
03 21 13 00-0022	LF	#7, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar.....	2.82
03 21 13 00-0023	LF	#8, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar.....	3.56
03 21 13 00-0024	LF	#9, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar.....	4.42
03 21 13 00-0025	LF	#10, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar.....	5.45
03 21 13 00-0026	LF	#11, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar.....	6.56
03 21 13 00-0027	LF	#14, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar.....	9.20
03 21 13 00-0028	LF	#18, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar.....	15.93
<b>03 21 13 00-0029</b>		<b>Columns, Galvanized Steel Reinforcement Bar</b> <small>(03 21 13)</small>	
		Note: ASTM A-767 Hot Dipped Galvanized Steel.	
03 21 13 00-0030	LF	#3, Grade 40, Columns, Galvanized Steel Reinforcement Bar.....	0.57
03 21 13 00-0031	LF	#4, Grade 40, Columns, Galvanized Steel Reinforcement Bar.....	0.98
03 21 13 00-0032	LF	#5, Grade 40, Columns, Galvanized Steel Reinforcement Bar.....	1.48
03 21 13 00-0033	LF	#6, Grade 40, Columns, Galvanized Steel Reinforcement Bar.....	2.05
03 21 13 00-0034	LF	#3, Grade 50, Columns, Galvanized Steel Reinforcement Bar.....	0.58
03 21 13 00-0035	LF	#4, Grade 50, Columns, Galvanized Steel Reinforcement Bar.....	1.00
03 21 13 00-0036	LF	#5, Grade 50, Columns, Galvanized Steel Reinforcement Bar.....	1.51
03 21 13 00-0037	LF	#6, Grade 50, Columns, Galvanized Steel Reinforcement Bar.....	2.09
03 21 13 00-0038	LF	#3, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	0.59
03 21 13 00-0039	LF	#4, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	1.03



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0040 LF #5, Grade 60, Columns, Galvanized Steel Reinforcement Bar .....	1.55	
03 21 13 00-0041 LF #6, Grade 60, Columns, Galvanized Steel Reinforcement Bar .....	2.15	
03 21 13 00-0042 LF #7, Grade 60, Columns, Galvanized Steel Reinforcement Bar .....	2.83	
03 21 13 00-0043 LF #8, Grade 60, Columns, Galvanized Steel Reinforcement Bar .....	3.55	
03 21 13 00-0044 LF #9, Grade 60, Columns, Galvanized Steel Reinforcement Bar .....	4.40	
03 21 13 00-0045 LF #10, Grade 60, Columns, Galvanized Steel Reinforcement Bar .....	5.43	
03 21 13 00-0046 LF #11, Grade 60, Columns, Galvanized Steel Reinforcement Bar .....	6.51	
03 21 13 00-0047 LF #14, Grade 60, Columns, Galvanized Steel Reinforcement Bar .....	9.11	
03 21 13 00-0048 LF #18, Grade 60, Columns, Galvanized Steel Reinforcement Bar .....	15.73	
03 21 13 00-0049 LF #6, Grade 75, Columns, Galvanized Steel Reinforcement Bar .....	2.21	
03 21 13 00-0050 LF #7, Grade 75, Columns, Galvanized Steel Reinforcement Bar .....	2.91	
03 21 13 00-0051 LF #8, Grade 75, Columns, Galvanized Steel Reinforcement Bar .....	3.66	
03 21 13 00-0052 LF #9, Grade 75, Columns, Galvanized Steel Reinforcement Bar .....	4.54	
03 21 13 00-0053 LF #10, Grade 75, Columns, Galvanized Steel Reinforcement Bar .....	5.60	
03 21 13 00-0054 LF #11, Grade 75, Columns, Galvanized Steel Reinforcement Bar .....	6.73	
03 21 13 00-0055 LF #14, Grade 75, Columns, Galvanized Steel Reinforcement Bar .....	9.42	
03 21 13 00-0056 LF #18, Grade 75, Columns, Galvanized Steel Reinforcement Bar .....	16.27	
<b>03 21 13 00-0057</b>		
<b>Footings, Galvanized Steel Reinforcement Bar</b> <small>(03 21 13)</small>		
<small>Note: ASTM A-767 Hot Dipped Galvanized Steel.</small>		
03 21 13 00-0058 LF #3, Grade 40, Footings, Galvanized Steel Reinforcement Bar .....	0.52	
03 21 13 00-0059 LF #4, Grade 40, Footings, Galvanized Steel Reinforcement Bar .....	0.88	
03 21 13 00-0060 LF #5, Grade 40, Footings, Galvanized Steel Reinforcement Bar .....	1.34	
03 21 13 00-0061 LF #6, Grade 40, Footings, Galvanized Steel Reinforcement Bar .....	1.86	
03 21 13 00-0062 LF #3, Grade 50, Footings, Galvanized Steel Reinforcement Bar .....	0.53	
03 21 13 00-0063 LF #4, Grade 50, Footings, Galvanized Steel Reinforcement Bar .....	0.90	
03 21 13 00-0064 LF #5, Grade 50, Footings, Galvanized Steel Reinforcement Bar .....	1.37	
03 21 13 00-0065 LF #6, Grade 50, Footings, Galvanized Steel Reinforcement Bar .....	1.90	
03 21 13 00-0066 LF #3, Grade 60, Footings, Galvanized Steel Reinforcement Bar .....	0.54	
03 21 13 00-0067 LF #4, Grade 60, Footings, Galvanized Steel Reinforcement Bar .....	0.93	
03 21 13 00-0068 LF #5, Grade 60, Footings, Galvanized Steel Reinforcement Bar .....	1.41	
03 21 13 00-0069 LF #6, Grade 60, Footings, Galvanized Steel Reinforcement Bar .....	1.96	
03 21 13 00-0070 LF #7, Grade 60, Footings, Galvanized Steel Reinforcement Bar .....	2.59	
03 21 13 00-0071 LF #8, Grade 60, Footings, Galvanized Steel Reinforcement Bar .....	3.29	
03 21 13 00-0072 LF #9, Grade 60, Footings, Galvanized Steel Reinforcement Bar .....	4.08	
03 21 13 00-0073 LF #10, Grade 60, Footings, Galvanized Steel Reinforcement Bar .....	5.06	
03 21 13 00-0074 LF #11, Grade 60, Footings, Galvanized Steel Reinforcement Bar .....	6.09	
03 21 13 00-0075 LF #14, Grade 60, Footings, Galvanized Steel Reinforcement Bar .....	8.57	
03 21 13 00-0076 LF #18, Grade 60, Footings, Galvanized Steel Reinforcement Bar .....	14.88	
03 21 13 00-0077 LF #6, Grade 75, Footings, Galvanized Steel Reinforcement Bar .....	2.02	
03 21 13 00-0078 LF #7, Grade 75, Footings, Galvanized Steel Reinforcement Bar .....	2.67	
03 21 13 00-0079 LF #8, Grade 75, Footings, Galvanized Steel Reinforcement Bar .....	3.40	
03 21 13 00-0080 LF #9, Grade 75, Footings, Galvanized Steel Reinforcement Bar .....	4.22	
03 21 13 00-0081 LF #10, Grade 75, Footings, Galvanized Steel Reinforcement Bar .....	5.23	
03 21 13 00-0082 LF #11, Grade 75, Footings, Galvanized Steel Reinforcement Bar .....	6.31	
03 21 13 00-0083 LF #14, Grade 75, Footings, Galvanized Steel Reinforcement Bar .....	8.88	
03 21 13 00-0084 LF #18, Grade 75, Footings, Galvanized Steel Reinforcement Bar .....	15.42	
<b>03 21 13 00-0085</b>		
<b>Slab On Grade, Galvanized Steel Reinforcement Bar</b> <small>(03 21 13)</small>		
<small>Note: ASTM A-767 Hot Dipped Galvanized Steel.</small>		
03 21 13 00-0086 LF #3, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar .....	0.50	
03 21 13 00-0087 LF #4, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar .....	0.86	
03 21 13 00-0088 LF #5, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar .....	1.31	
03 21 13 00-0089 LF #6, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar .....	1.82	
03 21 13 00-0090 LF #3, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar .....	0.51	
03 21 13 00-0091 LF #4, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar .....	0.88	
03 21 13 00-0092 LF #5, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar .....	1.34	
03 21 13 00-0093 LF #6, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar .....	1.86	
03 21 13 00-0094 LF #3, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar .....	0.52	
03 21 13 00-0095 LF #4, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar .....	0.91	
03 21 13 00-0096 LF #5, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar .....	1.38	
03 21 13 00-0097 LF #6, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar .....	1.92	
03 21 13 00-0098 LF #7, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar .....	2.54	
03 21 13 00-0099 LF #8, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar .....	3.22	
03 21 13 00-0100 LF #9, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar .....	4.02	
03 21 13 00-0101 LF #10, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar .....	4.98	
03 21 13 00-0102 LF #11, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar .....	6.01	
03 21 13 00-0103 LF #14, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar .....	8.46	
03 21 13 00-0104 LF #18, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar .....	14.70	
03 21 13 00-0105 LF #6, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar .....	1.98	
03 21 13 00-0106 LF #7, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar .....	2.62	
03 21 13 00-0107 LF #8, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar .....	3.33	
03 21 13 00-0108 LF #9, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar .....	4.16	
03 21 13 00-0109 LF #10, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar .....	5.15	
03 21 13 00-0110 LF #11, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar .....	6.23	
03 21 13 00-0111 LF #14, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar .....	8.77	
03 21 13 00-0112 LF #18, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar .....	15.24	





MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>03 21 13 00-0113</b>	<b>Elevated Slabs, Galvanized Steel Reinforcement Bar</b> <small>(03 21 13)</small>	
	Note: ASTM A-767 Hot Dipped Galvanized Steel.	
03 21 13 00-0114	LF #3, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	0.48
03 21 13 00-0115	LF #4, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	0.82
03 21 13 00-0116	LF #5, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	1.25
03 21 13 00-0117	LF #6, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	1.75
03 21 13 00-0118	LF #3, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	0.49
03 21 13 00-0119	LF #4, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	0.84
03 21 13 00-0120	LF #5, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	1.28
03 21 13 00-0121	LF #6, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	1.79
03 21 13 00-0122	LF #3, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	0.50
03 21 13 00-0123	LF #4, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	0.87
03 21 13 00-0124	LF #5, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	1.32
03 21 13 00-0125	LF #6, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	1.85
03 21 13 00-0126	LF #7, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	2.45
03 21 13 00-0127	LF #8, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	3.11
03 21 13 00-0128	LF #9, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	3.88
03 21 13 00-0129	LF #10, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	4.84
03 21 13 00-0130	LF #11, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	5.84
03 21 13 00-0131	LF #14, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	8.25
03 21 13 00-0132	LF #18, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	14.36
03 21 13 00-0133	LF #6, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	1.91
03 21 13 00-0134	LF #7, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	2.53
03 21 13 00-0135	LF #8, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	3.22
03 21 13 00-0136	LF #9, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	4.02
03 21 13 00-0137	LF #10, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	5.01
03 21 13 00-0138	LF #11, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	6.06
03 21 13 00-0139	LF #14, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	8.56
03 21 13 00-0140	LF #18, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	14.90

<b>03 21 13 00-0141</b>	<b>Walls, Galvanized Steel Reinforcement Bar</b> <small>(03 21 13)</small>	
	Note: ASTM A-767 Hot Dipped Galvanized Steel.	
03 21 13 00-0142	LF #3, Grade 40, Walls, Galvanized Steel Reinforcement Bar .....	0.47
03 21 13 00-0143	LF #4, Grade 40, Walls, Galvanized Steel Reinforcement Bar .....	0.80
03 21 13 00-0144	LF #5, Grade 40, Walls, Galvanized Steel Reinforcement Bar .....	1.22
03 21 13 00-0145	LF #6, Grade 40, Walls, Galvanized Steel Reinforcement Bar .....	1.71
03 21 13 00-0146	LF #3, Grade 50, Walls, Galvanized Steel Reinforcement Bar .....	0.48
03 21 13 00-0147	LF #4, Grade 50, Walls, Galvanized Steel Reinforcement Bar .....	0.82
03 21 13 00-0148	LF #5, Grade 50, Walls, Galvanized Steel Reinforcement Bar .....	1.25
03 21 13 00-0149	LF #6, Grade 50, Walls, Galvanized Steel Reinforcement Bar .....	1.75
03 21 13 00-0150	LF #3, Grade 60, Walls, Galvanized Steel Reinforcement Bar .....	0.49
03 21 13 00-0151	LF #4, Grade 60, Walls, Galvanized Steel Reinforcement Bar .....	0.85
03 21 13 00-0152	LF #5, Grade 60, Walls, Galvanized Steel Reinforcement Bar .....	1.29
03 21 13 00-0153	LF #6, Grade 60, Walls, Galvanized Steel Reinforcement Bar .....	1.81
03 21 13 00-0154	LF #7, Grade 60, Walls, Galvanized Steel Reinforcement Bar .....	2.40
03 21 13 00-0155	LF #8, Grade 60, Walls, Galvanized Steel Reinforcement Bar .....	3.06
03 21 13 00-0156	LF #9, Grade 60, Walls, Galvanized Steel Reinforcement Bar .....	3.82
03 21 13 00-0157	LF #10, Grade 60, Walls, Galvanized Steel Reinforcement Bar .....	4.76
03 21 13 00-0158	LF #11, Grade 60, Walls, Galvanized Steel Reinforcement Bar .....	5.76
03 21 13 00-0159	LF #14, Grade 60, Walls, Galvanized Steel Reinforcement Bar .....	8.14
03 21 13 00-0160	LF #18, Grade 60, Walls, Galvanized Steel Reinforcement Bar .....	14.19
03 21 13 00-0161	LF #6, Grade 75, Walls, Galvanized Steel Reinforcement Bar .....	1.87
03 21 13 00-0162	LF #7, Grade 75, Walls, Galvanized Steel Reinforcement Bar .....	2.48
03 21 13 00-0163	LF #8, Grade 75, Walls, Galvanized Steel Reinforcement Bar .....	3.17
03 21 13 00-0164	LF #9, Grade 75, Walls, Galvanized Steel Reinforcement Bar .....	3.96
03 21 13 00-0165	LF #10, Grade 75, Walls, Galvanized Steel Reinforcement Bar .....	4.93
03 21 13 00-0166	LF #11, Grade 75, Walls, Galvanized Steel Reinforcement Bar .....	5.98
03 21 13 00-0167	LF #14, Grade 75, Walls, Galvanized Steel Reinforcement Bar .....	8.45
03 21 13 00-0168	LF #18, Grade 75, Walls, Galvanized Steel Reinforcement Bar .....	14.73

**03 21 16 Epoxy-Coated Reinforcement Steel Bars** (03 21)

<b>03 21 16 00-0001</b>	<b>Beams And Girders, Epoxy Coated Steel Reinforcement Bar</b> <small>(03 21 16)</small>	
	Note: ASTM A-775 Epoxy Coated Steel.	
03 21 16 00-0002	LF #3, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	0.53
03 21 16 00-0003	LF #4, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	0.91
03 21 16 00-0004	LF #5, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	1.39
03 21 16 00-0005	LF #6, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	1.93
03 21 16 00-0006	LF #3, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	0.54
03 21 16 00-0007	LF #4, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	0.93
03 21 16 00-0008	LF #5, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	1.41
03 21 16 00-0009	LF #6, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	1.97
03 21 16 00-0010	LF #3, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	0.56
03 21 16 00-0011	LF #4, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	0.96
03 21 16 00-0012	LF #5, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	1.46
03 21 16 00-0013	LF #6, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	2.03
03 21 16 00-0014	LF #7, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	2.68
03 21 16 00-0015	LF #8, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	3.37
03 21 16 00-0016	LF #9, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	4.18



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				03 21 16 00-0017 LF #10, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	5.15	
				03 21 16 00-0018 LF #11, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	6.19	
				03 21 16 00-0019 LF #14, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	8.66	
				03 21 16 00-0020 LF #18, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	14.98	
				03 21 16 00-0021 LF #6, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	2.09	
				03 21 16 00-0022 LF #7, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	2.76	
				03 21 16 00-0023 LF #8, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	3.48	
				03 21 16 00-0024 LF #9, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	4.32	
				03 21 16 00-0025 LF #10, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	5.32	
				03 21 16 00-0026 LF #11, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	6.40	
				03 21 16 00-0027 LF #14, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	8.97	
				03 21 16 00-0028 LF #18, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	15.53	
				<b>03 21 16 00-0029 Columns, Epoxy Coated Steel Reinforcement Bar (03 21 16)</b>		
				Note: ASTM A-775 Epoxy Coated Steel.		
				03 21 16 00-0030 LF #3, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar .....	0.55	
				03 21 16 00-0031 LF #4, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar .....	0.96	
				03 21 16 00-0032 LF #5, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar .....	1.45	
				03 21 16 00-0033 LF #6, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar .....	2.01	
				03 21 16 00-0034 LF #3, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar .....	0.56	
				03 21 16 00-0035 LF #4, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar .....	0.98	
				03 21 16 00-0036 LF #5, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar .....	1.47	
				03 21 16 00-0037 LF #6, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar .....	2.05	
				03 21 16 00-0038 LF #3, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar .....	0.58	
				03 21 16 00-0039 LF #4, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar .....	1.01	
				03 21 16 00-0040 LF #5, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar .....	1.52	
				03 21 16 00-0041 LF #6, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar .....	2.11	
				03 21 16 00-0042 LF #7, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar .....	2.77	
				03 21 16 00-0043 LF #8, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar .....	3.47	
				03 21 16 00-0044 LF #9, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar .....	4.30	
				03 21 16 00-0045 LF #10, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar .....	5.30	
				03 21 16 00-0046 LF #11, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar .....	6.36	
				03 21 16 00-0047 LF #14, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar .....	8.88	
				03 21 16 00-0048 LF #18, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar .....	15.32	
				03 21 16 00-0049 LF #6, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar .....	2.17	
				03 21 16 00-0050 LF #7, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar .....	2.85	
				03 21 16 00-0051 LF #8, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar .....	3.58	
				03 21 16 00-0052 LF #9, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar .....	4.44	
				03 21 16 00-0053 LF #10, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar .....	5.47	
				03 21 16 00-0054 LF #11, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar .....	6.57	
				03 21 16 00-0055 LF #14, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar .....	9.19	
				03 21 16 00-0056 LF #18, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar .....	15.87	
				<b>03 21 16 00-0057 Footings, Epoxy Coated Steel Reinforcement Bar (03 21 16)</b>		
				Note: ASTM A-775 Epoxy Coated Steel.		
				03 21 16 00-0058 LF #3, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar .....	0.50	
				03 21 16 00-0059 LF #4, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar .....	0.86	
				03 21 16 00-0060 LF #5, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar .....	1.31	
				03 21 16 00-0061 LF #6, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar .....	1.82	
				03 21 16 00-0062 LF #3, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar .....	0.51	
				03 21 16 00-0063 LF #4, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar .....	0.88	
				03 21 16 00-0064 LF #5, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar .....	1.33	
				03 21 16 00-0065 LF #6, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar .....	1.86	
				03 21 16 00-0066 LF #3, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar .....	0.53	
				03 21 16 00-0067 LF #4, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar .....	0.91	
				03 21 16 00-0068 LF #5, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar .....	1.38	
				03 21 16 00-0069 LF #6, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar .....	1.92	
				03 21 16 00-0070 LF #7, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar .....	2.53	
				03 21 16 00-0071 LF #8, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar .....	3.21	
				03 21 16 00-0072 LF #9, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar .....	3.98	
				03 21 16 00-0073 LF #10, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar .....	4.93	
				03 21 16 00-0074 LF #11, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar .....	5.94	
				03 21 16 00-0075 LF #14, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar .....	8.34	
				03 21 16 00-0076 LF #18, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar .....	14.47	
				03 21 16 00-0077 LF #6, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar .....	1.98	
				03 21 16 00-0078 LF #7, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar .....	2.61	
				03 21 16 00-0079 LF #8, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar .....	3.32	
				03 21 16 00-0080 LF #9, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar .....	4.12	
				03 21 16 00-0081 LF #10, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar .....	5.10	
				03 21 16 00-0082 LF #11, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar .....	6.15	
				03 21 16 00-0083 LF #14, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar .....	8.65	
				03 21 16 00-0084 LF #18, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar .....	15.02	
				<b>03 21 16 00-0085 Slab On Grade, Epoxy Coated Steel Reinforcement Bar (03 21 16)</b>		
				Note: ASTM A-775 Epoxy Coated Steel.		
				03 21 16 00-0086 LF #3, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar .....	0.48	
				03 21 16 00-0087 LF #4, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar .....	0.84	
				03 21 16 00-0088 LF #5, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar .....	1.28	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 21 16 00-0089	LF	#6, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.78	
03 21 16 00-0090	LF	#3, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.49	
03 21 16 00-0091	LF	#4, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.86	
03 21 16 00-0092	LF	#5, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.30	
03 21 16 00-0093	LF	#6, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.82	
03 21 16 00-0094	LF	#3, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.51	
03 21 16 00-0095	LF	#4, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.89	
03 21 16 00-0096	LF	#5, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.35	
03 21 16 00-0097	LF	#6, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.88	
03 21 16 00-0098	LF	#7, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	2.48	
03 21 16 00-0099	LF	#8, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	3.14	
03 21 16 00-0100	LF	#9, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	3.92	
03 21 16 00-0101	LF	#10, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	4.85	
03 21 16 00-0102	LF	#11, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	5.86	
03 21 16 00-0103	LF	#14, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	8.23	
03 21 16 00-0104	LF	#18, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	14.29	
03 21 16 00-0105	LF	#6, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.94	
03 21 16 00-0106	LF	#7, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	2.56	
03 21 16 00-0107	LF	#8, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	3.25	
03 21 16 00-0108	LF	#9, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	4.06	
03 21 16 00-0109	LF	#10, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	5.02	
03 21 16 00-0110	LF	#11, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	6.07	
03 21 16 00-0111	LF	#14, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	8.54	
03 21 16 00-0112	LF	#18, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	14.84	

### 03 21 16 00-0113 Elevated Slabs, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0114	LF	#3, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.46	
03 21 16 00-0115	LF	#4, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.80	
03 21 16 00-0116	LF	#5, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.22	
03 21 16 00-0117	LF	#6, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.71	
03 21 16 00-0118	LF	#3, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.47	
03 21 16 00-0119	LF	#4, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.82	
03 21 16 00-0120	LF	#5, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.24	
03 21 16 00-0121	LF	#6, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.75	
03 21 16 00-0122	LF	#3, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.49	
03 21 16 00-0123	LF	#4, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.85	
03 21 16 00-0124	LF	#5, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.29	
03 21 16 00-0125	LF	#6, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.81	
03 21 16 00-0126	LF	#7, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.39	
03 21 16 00-0127	LF	#8, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.03	
03 21 16 00-0128	LF	#9, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.78	
03 21 16 00-0129	LF	#10, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	4.71	
03 21 16 00-0130	LF	#11, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	5.69	
03 21 16 00-0131	LF	#14, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	8.02	
03 21 16 00-0132	LF	#18, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	13.95	
03 21 16 00-0133	LF	#6, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.87	
03 21 16 00-0134	LF	#7, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.47	
03 21 16 00-0135	LF	#8, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.14	
03 21 16 00-0136	LF	#9, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.92	
03 21 16 00-0137	LF	#10, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	4.88	
03 21 16 00-0138	LF	#11, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	5.90	
03 21 16 00-0139	LF	#14, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	8.33	
03 21 16 00-0140	LF	#18, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	14.50	

### 03 21 16 00-0141 Walls, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0142	LF	#3, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.45	
03 21 16 00-0143	LF	#4, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.78	
03 21 16 00-0144	LF	#5, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.19	
03 21 16 00-0145	LF	#6, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.67	
03 21 16 00-0146	LF	#3, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.46	
03 21 16 00-0147	LF	#4, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.80	
03 21 16 00-0148	LF	#5, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.21	
03 21 16 00-0149	LF	#6, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.71	
03 21 16 00-0150	LF	#3, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.48	
03 21 16 00-0151	LF	#4, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.83	
03 21 16 00-0152	LF	#5, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.26	
03 21 16 00-0153	LF	#6, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.77	
03 21 16 00-0154	LF	#7, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.34	
03 21 16 00-0155	LF	#8, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.98	
03 21 16 00-0156	LF	#9, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.72	
03 21 16 00-0157	LF	#10, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	4.63	
03 21 16 00-0158	LF	#11, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	5.61	
03 21 16 00-0159	LF	#14, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	7.91	
03 21 16 00-0160	LF	#18, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	13.78	
03 21 16 00-0161	LF	#6, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.83	
03 21 16 00-0162	LF	#7, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.42	
03 21 16 00-0163	LF	#8, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0164 LF #9, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.86	
03 21 16 00-0165 LF #10, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	4.80	
03 21 16 00-0166 LF #11, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	5.82	
03 21 16 00-0167 LF #14, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	8.22	
03 21 16 00-0168 LF #18, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	14.33	
<b>03 21 16 00-0169 Epoxy Coated Deformed Straight Dowels</b> <small>(03 21 16)</small>		
<small>Note: Excludes drilling. See CSI section 02 41 19 13-0278 for drilling in concrete.</small>		
03 21 16 00-0170 EA 3/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	1.60	
<i>For Up To 12" Length, Deduct</i>	-0.34	
<i>For &gt;12" To &lt;24" Length, Deduct</i>	-0.17	
03 21 16 00-0171 EA 1/2" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	2.07	
<i>For Up To 12" Length, Deduct</i>	-0.51	
<i>For &gt;12" To &lt;24" Length, Deduct</i>	-0.26	
03 21 16 00-0172 EA 5/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	2.74	
<i>For Up To 12" Length, Deduct</i>	-0.76	
<i>For &gt;12" To &lt;24" Length, Deduct</i>	-0.38	
03 21 16 00-0173 EA 3/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	3.41	
<i>For Up To 12" Length, Deduct</i>	-1.02	
<i>For &gt;12" To &lt;24" Length, Deduct</i>	-0.51	
03 21 16 00-0174 EA 7/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	4.41	
<i>For Up To 12" Length, Deduct</i>	-1.38	
<i>For &gt;12" To &lt;24" Length, Deduct</i>	-0.69	
03 21 16 00-0175 EA 1" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	5.30	
<i>For Up To 12" Length, Deduct</i>	-1.70	
<i>For &gt;12" To &lt;24" Length, Deduct</i>	-0.85	
03 21 16 00-0176 EA 1-1/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	6.36	
<i>For Up To 12" Length, Deduct</i>	-2.06	
<i>For &gt;12" To &lt;24" Length, Deduct</i>	-1.03	
03 21 16 00-0177 EA 1-1/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	7.67	
<i>For Up To 12" Length, Deduct</i>	-2.50	
<i>For &gt;12" To &lt;24" Length, Deduct</i>	-1.25	
<b>03 21 19 Stainless Steel Reinforcement Bars</b> <small>(03 21)</small>		
<b>03 21 19 00-0001 Beams And Girders, Stainless Steel Reinforcement Bar</b> <small>(03 21 19)</small>		
<small>Note: ASTM A-955.</small>		
03 21 19 00-0002 LF #3, Grade 40, Beams And Girders, Stainless Steel Reinforcement Bar.....	1.05	
03 21 19 00-0003 LF #4, Grade 40, Beams And Girders, Stainless Steel Reinforcement Bar.....	1.86	
03 21 19 00-0004 LF #5, Grade 40, Beams And Girders, Stainless Steel Reinforcement Bar.....	2.84	
03 21 19 00-0005 LF #6, Grade 40, Beams And Girders, Stainless Steel Reinforcement Bar.....	4.00	
03 21 19 00-0006 LF #3, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar.....	1.16	
03 21 19 00-0007 LF #4, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar.....	2.06	
03 21 19 00-0008 LF #5, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar.....	3.14	
03 21 19 00-0009 LF #6, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar.....	4.42	
03 21 19 00-0010 LF #7, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar.....	5.94	
03 21 19 00-0011 LF #8, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar.....	7.69	
03 21 19 00-0012 LF #9, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar.....	9.65	
03 21 19 00-0013 LF #10, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar.....	12.08	
03 21 19 00-0014 LF #11, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar.....	14.68	
03 21 19 00-0015 LF #14, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar.....	20.92	
03 21 19 00-0016 LF #18, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar.....	36.76	
03 21 19 00-0017 LF #6, Grade 75, Beams And Girders, Stainless Steel Reinforcement Bar.....	4.63	
03 21 19 00-0018 LF #7, Grade 75, Beams And Girders, Stainless Steel Reinforcement Bar.....	6.23	
03 21 19 00-0019 LF #8, Grade 75, Beams And Girders, Stainless Steel Reinforcement Bar.....	8.07	
03 21 19 00-0020 LF #9, Grade 75, Beams And Girders, Stainless Steel Reinforcement Bar.....	10.14	
03 21 19 00-0021 LF #10, Grade 75, Beams And Girders, Stainless Steel Reinforcement Bar.....	12.69	
03 21 19 00-0022 LF #11, Grade 75, Beams And Girders, Stainless Steel Reinforcement Bar.....	15.43	
03 21 19 00-0023 LF #14, Grade 75, Beams And Girders, Stainless Steel Reinforcement Bar.....	22.00	
03 21 19 00-0024 LF #18, Grade 75, Beams And Girders, Stainless Steel Reinforcement Bar.....	38.69	
<b>03 21 19 00-0025 Columns, Stainless Steel Reinforcement Bar</b> <small>(03 21 19)</small>		
<small>Note: ASTM A-955.</small>		
03 21 19 00-0026 LF #3, Grade 40, Columns, Stainless Steel Reinforcement Bar.....	1.07	
03 21 19 00-0027 LF #4, Grade 40, Columns, Stainless Steel Reinforcement Bar.....	1.91	
03 21 19 00-0028 LF #5, Grade 40, Columns, Stainless Steel Reinforcement Bar.....	2.90	
03 21 19 00-0029 LF #6, Grade 40, Columns, Stainless Steel Reinforcement Bar.....	4.08	
03 21 19 00-0030 LF #3, Grade 60, Columns, Stainless Steel Reinforcement Bar.....	1.18	
03 21 19 00-0031 LF #4, Grade 60, Columns, Stainless Steel Reinforcement Bar.....	2.11	
03 21 19 00-0032 LF #5, Grade 60, Columns, Stainless Steel Reinforcement Bar.....	3.20	
03 21 19 00-0033 LF #6, Grade 60, Columns, Stainless Steel Reinforcement Bar.....	4.50	
03 21 19 00-0034 LF #7, Grade 60, Columns, Stainless Steel Reinforcement Bar.....	6.03	
03 21 19 00-0035 LF #8, Grade 60, Columns, Stainless Steel Reinforcement Bar.....	7.79	
03 21 19 00-0036 LF #9, Grade 60, Columns, Stainless Steel Reinforcement Bar.....	9.77	
03 21 19 00-0037 LF #10, Grade 60, Columns, Stainless Steel Reinforcement Bar.....	12.23	
03 21 19 00-0038 LF #11, Grade 60, Columns, Stainless Steel Reinforcement Bar.....	14.85	
03 21 19 00-0039 LF #14, Grade 60, Columns, Stainless Steel Reinforcement Bar.....	21.14	
03 21 19 00-0040 LF #18, Grade 60, Columns, Stainless Steel Reinforcement Bar.....	37.10	
03 21 19 00-0041 LF #6, Grade 75, Columns, Stainless Steel Reinforcement Bar.....	4.71	
03 21 19 00-0042 LF #7, Grade 75, Columns, Stainless Steel Reinforcement Bar.....	6.32	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 21 19 00-0043	LF	#8, Grade 75, Columns, Stainless Steel Reinforcement Bar	8.17
03 21 19 00-0044	LF	#9, Grade 75, Columns, Stainless Steel Reinforcement Bar	10.26
03 21 19 00-0045	LF	#10, Grade 75, Columns, Stainless Steel Reinforcement Bar	12.84
03 21 19 00-0046	LF	#11, Grade 75, Columns, Stainless Steel Reinforcement Bar	15.60
03 21 19 00-0047	LF	#14, Grade 75, Columns, Stainless Steel Reinforcement Bar	22.22
03 21 19 00-0048	LF	#18, Grade 75, Columns, Stainless Steel Reinforcement Bar	39.03

**03 21 19 00-0049 Footings, Stainless Steel Reinforcement Bar** (03 21 19)

Note: ASTM A-955.

03 21 19 00-0050	LF	#3, Grade 40, Footings, Stainless Steel Reinforcement Bar	1.02
03 21 19 00-0051	LF	#4, Grade 40, Footings, Stainless Steel Reinforcement Bar	1.81
03 21 19 00-0052	LF	#5, Grade 40, Footings, Stainless Steel Reinforcement Bar	2.76
03 21 19 00-0053	LF	#6, Grade 40, Footings, Stainless Steel Reinforcement Bar	3.89
03 21 19 00-0054	LF	#3, Grade 60, Footings, Stainless Steel Reinforcement Bar	1.13
03 21 19 00-0055	LF	#4, Grade 60, Footings, Stainless Steel Reinforcement Bar	2.01
03 21 19 00-0056	LF	#5, Grade 60, Footings, Stainless Steel Reinforcement Bar	3.06
03 21 19 00-0057	LF	#6, Grade 60, Footings, Stainless Steel Reinforcement Bar	4.31
03 21 19 00-0058	LF	#7, Grade 60, Footings, Stainless Steel Reinforcement Bar	5.79
03 21 19 00-0059	LF	#8, Grade 60, Footings, Stainless Steel Reinforcement Bar	7.53
03 21 19 00-0060	LF	#9, Grade 60, Footings, Stainless Steel Reinforcement Bar	9.45
03 21 19 00-0061	LF	#10, Grade 60, Footings, Stainless Steel Reinforcement Bar	11.86
03 21 19 00-0062	LF	#11, Grade 60, Footings, Stainless Steel Reinforcement Bar	14.43
03 21 19 00-0063	LF	#14, Grade 60, Footings, Stainless Steel Reinforcement Bar	20.60
03 21 19 00-0064	LF	#18, Grade 60, Footings, Stainless Steel Reinforcement Bar	36.25
03 21 19 00-0065	LF	#6, Grade 75, Footings, Stainless Steel Reinforcement Bar	4.52
03 21 19 00-0066	LF	#7, Grade 75, Footings, Stainless Steel Reinforcement Bar	6.08
03 21 19 00-0067	LF	#8, Grade 75, Footings, Stainless Steel Reinforcement Bar	7.91
03 21 19 00-0068	LF	#9, Grade 75, Footings, Stainless Steel Reinforcement Bar	9.94
03 21 19 00-0069	LF	#10, Grade 75, Footings, Stainless Steel Reinforcement Bar	12.47
03 21 19 00-0070	LF	#11, Grade 75, Footings, Stainless Steel Reinforcement Bar	15.18
03 21 19 00-0071	LF	#14, Grade 75, Footings, Stainless Steel Reinforcement Bar	21.68
03 21 19 00-0072	LF	#18, Grade 75, Footings, Stainless Steel Reinforcement Bar	38.18

**03 21 19 00-0073 Slab On Grade, Stainless Steel Reinforcement Bar** (03 21 19)

Note: ASTM A-955.

03 21 19 00-0074	LF	#3, Grade 40, Slab On Grade, Stainless Steel Reinforcement Bar	1.00
03 21 19 00-0075	LF	#4, Grade 40, Slab On Grade, Stainless Steel Reinforcement Bar	1.79
03 21 19 00-0076	LF	#5, Grade 40, Slab On Grade, Stainless Steel Reinforcement Bar	2.73
03 21 19 00-0077	LF	#6, Grade 40, Slab On Grade, Stainless Steel Reinforcement Bar	3.85
03 21 19 00-0078	LF	#3, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar	1.11
03 21 19 00-0079	LF	#4, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar	1.99
03 21 19 00-0080	LF	#5, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar	3.03
03 21 19 00-0081	LF	#6, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar	4.27
03 21 19 00-0082	LF	#7, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar	5.74
03 21 19 00-0083	LF	#8, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar	7.46
03 21 19 00-0084	LF	#9, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar	9.39
03 21 19 00-0085	LF	#10, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar	11.78
03 21 19 00-0086	LF	#11, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar	14.35
03 21 19 00-0087	LF	#14, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar	20.49
03 21 19 00-0088	LF	#18, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar	36.07
03 21 19 00-0089	LF	#6, Grade 75, Slab On Grade, Stainless Steel Reinforcement Bar	4.48
03 21 19 00-0090	LF	#7, Grade 75, Slab On Grade, Stainless Steel Reinforcement Bar	6.03
03 21 19 00-0091	LF	#8, Grade 75, Slab On Grade, Stainless Steel Reinforcement Bar	7.84
03 21 19 00-0092	LF	#9, Grade 75, Slab On Grade, Stainless Steel Reinforcement Bar	9.88
03 21 19 00-0093	LF	#10, Grade 75, Slab On Grade, Stainless Steel Reinforcement Bar	12.39
03 21 19 00-0094	LF	#11, Grade 75, Slab On Grade, Stainless Steel Reinforcement Bar	15.10
03 21 19 00-0095	LF	#14, Grade 75, Slab On Grade, Stainless Steel Reinforcement Bar	21.57
03 21 19 00-0096	LF	#18, Grade 75, Slab On Grade, Stainless Steel Reinforcement Bar	38.00

**03 21 19 00-0097 Elevated Slabs, Stainless Steel Reinforcement Bar** (03 21 19)

Note: ASTM A-955.

03 21 19 00-0098	LF	#3, Grade 40, Elevated Slabs, Stainless Steel Reinforcement Bar	0.98
03 21 19 00-0099	LF	#4, Grade 40, Elevated Slabs, Stainless Steel Reinforcement Bar	1.75
03 21 19 00-0100	LF	#5, Grade 40, Elevated Slabs, Stainless Steel Reinforcement Bar	2.67
03 21 19 00-0101	LF	#6, Grade 40, Elevated Slabs, Stainless Steel Reinforcement Bar	3.78
03 21 19 00-0102	LF	#3, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar	1.09
03 21 19 00-0103	LF	#4, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar	1.95
03 21 19 00-0104	LF	#5, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar	2.97
03 21 19 00-0105	LF	#6, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar	4.20
03 21 19 00-0106	LF	#7, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar	5.65
03 21 19 00-0107	LF	#8, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar	7.35
03 21 19 00-0108	LF	#9, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar	9.25
03 21 19 00-0109	LF	#10, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar	11.64
03 21 19 00-0110	LF	#11, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar	14.18
03 21 19 00-0111	LF	#14, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar	20.28
03 21 19 00-0112	LF	#18, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar	35.73
03 21 19 00-0113	LF	#6, Grade 75, Elevated Slabs, Stainless Steel Reinforcement Bar	4.41
03 21 19 00-0114	LF	#7, Grade 75, Elevated Slabs, Stainless Steel Reinforcement Bar	5.94



<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Concrete Reinforcing</b>	<b>03 20</b>	
<b>Reinforcement Bars</b>	<b>03 21</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21	19 00-0115	LF	#8, Grade 75, Elevated Slabs, Stainless Steel Reinforcement Bar.....	7.73	
03 21	19 00-0116	LF	#9, Grade 75, Elevated Slabs, Stainless Steel Reinforcement Bar.....	9.74	
03 21	19 00-0117	LF	#10, Grade 75, Elevated Slabs, Stainless Steel Reinforcement Bar.....	12.25	
03 21	19 00-0118	LF	#11, Grade 75, Elevated Slabs, Stainless Steel Reinforcement Bar.....	14.93	
03 21	19 00-0119	LF	#14, Grade 75, Elevated Slabs, Stainless Steel Reinforcement Bar.....	21.36	
03 21	19 00-0120	LF	#18, Grade 75, Elevated Slabs, Stainless Steel Reinforcement Bar.....	37.66	

**03 21 19 00-0121 Walls, Stainless Steel Reinforcement Bar** (03 21 19)  
 Note: ASTM A-955.

03 21	19 00-0122	LF	#3, Grade 40, Walls, Stainless Steel Reinforcement Bar.....	0.97	
03 21	19 00-0123	LF	#4, Grade 40, Walls, Stainless Steel Reinforcement Bar.....	1.73	
03 21	19 00-0124	LF	#5, Grade 40, Walls, Stainless Steel Reinforcement Bar.....	2.64	
03 21	19 00-0125	LF	#6, Grade 40, Walls, Stainless Steel Reinforcement Bar.....	3.74	
03 21	19 00-0126	LF	#3, Grade 60, Walls, Stainless Steel Reinforcement Bar.....	1.08	
03 21	19 00-0127	LF	#4, Grade 60, Walls, Stainless Steel Reinforcement Bar.....	1.93	
03 21	19 00-0128	LF	#5, Grade 60, Walls, Stainless Steel Reinforcement Bar.....	2.94	
03 21	19 00-0129	LF	#6, Grade 60, Walls, Stainless Steel Reinforcement Bar.....	4.16	
03 21	19 00-0130	LF	#7, Grade 60, Walls, Stainless Steel Reinforcement Bar.....	5.60	
03 21	19 00-0131	LF	#8, Grade 60, Walls, Stainless Steel Reinforcement Bar.....	7.30	
03 21	19 00-0132	LF	#9, Grade 60, Walls, Stainless Steel Reinforcement Bar.....	9.19	
03 21	19 00-0133	LF	#10, Grade 60, Walls, Stainless Steel Reinforcement Bar.....	11.56	
03 21	19 00-0134	LF	#11, Grade 60, Walls, Stainless Steel Reinforcement Bar.....	14.10	
03 21	19 00-0135	LF	#14, Grade 60, Walls, Stainless Steel Reinforcement Bar.....	20.17	
03 21	19 00-0136	LF	#18, Grade 60, Walls, Stainless Steel Reinforcement Bar.....	35.56	
03 21	19 00-0137	LF	#6, Grade 75, Walls, Stainless Steel Reinforcement Bar.....	4.37	
03 21	19 00-0138	LF	#7, Grade 75, Walls, Stainless Steel Reinforcement Bar.....	5.89	
03 21	19 00-0139	LF	#8, Grade 75, Walls, Stainless Steel Reinforcement Bar.....	7.68	
03 21	19 00-0140	LF	#9, Grade 75, Walls, Stainless Steel Reinforcement Bar.....	9.68	
03 21	19 00-0141	LF	#10, Grade 75, Walls, Stainless Steel Reinforcement Bar.....	12.17	
03 21	19 00-0142	LF	#11, Grade 75, Walls, Stainless Steel Reinforcement Bar.....	14.85	
03 21	19 00-0143	LF	#14, Grade 75, Walls, Stainless Steel Reinforcement Bar.....	21.25	
03 21	19 00-0144	LF	#18, Grade 75, Walls, Stainless Steel Reinforcement Bar.....	37.49	

**03 22 Fabric And Grid Reinforcing** (03 22)

**03 22 11 Plain Steel Welded Wire Fabric Reinforcing** (03 22)

Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.

**03 22 11 00-0001 Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs** (03 22 11)

Note: Includes bar chairs. Under 5 tons. ASTM A-185

03 22	11 00-0002	SF	6" x 6" x #10, 21 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4) .....	0.52	
			<i>For &gt;5 Ton, Deduct</i>	-0.08	
03 22	11 00-0003	SF	6" x 6" x #8, 30 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1) .....	0.59	
			<i>For &gt;5 Ton, Deduct</i>	-0.09	
03 22	11 00-0004	SF	6" x 6" x #6, 42 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9) .....	0.68	
			<i>For &gt;5 Ton, Deduct</i>	-0.10	
03 22	11 00-0005	SF	6" x 6" x #4, 58 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0) .....	0.81	
			<i>For &gt;5 Ton, Deduct</i>	-0.11	
03 22	11 00-0006	SF	4" x 4" x #10, 31 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4) .....	0.62	
			<i>For &gt;5 Ton, Deduct</i>	-0.09	
03 22	11 00-0007	SF	4" x 4" x #8, 44 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1) .....	0.70	
			<i>For &gt;5 Ton, Deduct</i>	-0.10	
03 22	11 00-0008	SF	4" x 4" x #6, 62 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9) .....	0.90	
			<i>For &gt;5 Ton, Deduct</i>	-0.12	
03 22	11 00-0009	SF	4" x 4" x #4, 85 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0) .....	1.05	
			<i>For &gt;5 Ton, Deduct</i>	-0.14	
03 22	11 00-0010	SF	2" x 2" x #12, 37 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W0.9 x W0.9) .....	0.99	
			<i>For &gt;5 Ton, Deduct</i>	-0.13	
03 22	11 00-0011	SF	2" x 2" x #10, 60 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4) .....	1.38	
			<i>For &gt;5 Ton, Deduct</i>	-0.17	
			<i>For Galvanized, Add</i>	0.36	
			<i>For Epoxy Coated, Add</i>	0.73	
03 22	11 00-0012	SF	2" x 2" x #8, 88 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1) .....	1.87	
			<i>For &gt;5 Ton, Deduct</i>	-0.22	
			<i>For Galvanized, Add</i>	0.54	
			<i>For Epoxy Coated, Add</i>	1.09	

**03 22 13 Galvanized Welded Wire Fabric Reinforcing** (03 22)

**03 22 13 00-0001 Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs** (03 22 13)

Note: Includes bar chairs. Under 5 tons.

03 22	13 00-0002	SF	6" x 6" x #10, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4) .....	0.58	
			<i>For &gt;5 Ton, Deduct</i>	-0.08	
03 22	13 00-0003	SF	6" x 6" x #8, 29 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1) .....	0.66	
			<i>For &gt;5 Ton, Deduct</i>	-0.09	
03 22	13 00-0004	SF	6" x 6" x #6, 42 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9) .....	0.78	
			<i>For &gt;5 Ton, Deduct</i>	-0.11	
03 22	13 00-0005	SF	6" x 6" x #4, 58 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0) .....	0.94	
			<i>For &gt;5 Ton, Deduct</i>	-0.13	
03 22	13 00-0006	SF	4" x 4" x #10, 31 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4) .....	0.71	
			<i>For &gt;5 Ton, Deduct</i>	-0.10	

<b>03</b>	<b>Concrete</b>
<b>03 20</b>	<b>Concrete Reinforcing</b>
<b>03 22</b>	<b>Fabric And Grid Reinforcing</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 22 13 00-0007	SF		4" x 4" x #8, 43 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	0.81	
			<i>For &gt;5 Ton, Deduct</i>	-0.11	
03 22 13 00-0008	SF		4" x 4" x #6, 62 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.08	
			<i>For &gt;5 Ton, Deduct</i>	-0.14	
03 22 13 00-0009	SF		4" x 4" x #4, 85 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.28	
			<i>For &gt;5 Ton, Deduct</i>	-0.16	
<b>03 22 13 00-0010</b>			<b>Galvanized Welded Wire Reinforcement Wrap Placed In Beams And Columns</b> <sup>(03 22 13)</sup>		
			Note: Includes bar chairs. Under 5 tons.		
03 22 13 00-0011	SF		2" x 2" x #14, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Wrap Placed In Beams And Columns (W0.5 x W0.5).....	2.01	
			<i>For &gt;5 Ton, Deduct</i>	-0.31	
<b>03 22 16</b>			<b>Epoxy-Coated Welded Wire Fabric Reinforcing</b> <sup>(03 22)</sup>		
<b>03 22 16 00-0001</b>			<b>Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs</b> <sup>(03 22 16)</sup>		
			Note: Includes bar chairs. Under 5 tons.		
03 22 16 00-0002	SF		6" x 6" x #10, 21 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	0.57	
			<i>For &gt;5 Ton, Deduct</i>	-0.08	
03 22 16 00-0003	SF		6" x 6" x #8, 29 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	0.65	
			<i>For &gt;5 Ton, Deduct</i>	-0.09	
03 22 16 00-0004	SF		6" x 6" x #6, 42 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	0.76	
			<i>For &gt;5 Ton, Deduct</i>	-0.11	
03 22 16 00-0005	SF		6" x 6" x #4, 58 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	0.93	
			<i>For &gt;5 Ton, Deduct</i>	-0.13	
03 22 16 00-0006	SF		4" x 4" x #10, 31 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	0.70	
			<i>For &gt;5 Ton, Deduct</i>	-0.10	
03 22 16 00-0007	SF		4" x 4" x #8, 43 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	0.80	
			<i>For &gt;5 Ton, Deduct</i>	-0.11	
03 22 16 00-0008	SF		4" x 4" x #6, 62 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.06	
			<i>For &gt;5 Ton, Deduct</i>	-0.14	
03 22 16 00-0009	SF		4" x 4" x #4, 85 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.25	
			<i>For &gt;5 Ton, Deduct</i>	-0.16	
<b>03 30</b>			<b>Cast-In-Place Concrete</b> <sup>(03)</sup>		
			See CSI section 01 74 19 00-0032 for hauling over 15 miles.		
<b>03 30 53</b>			<b>Miscellaneous Cast-in-Place Concrete</b> <sup>(03 30)</sup>		
<b>03 30 53 00-0001</b>			<b>Place Concrete Thrust Blocks And Backfill</b> <sup>(03 30 53)</sup>		
03 30 53 00-0002	CY		Direct Chute, Place 3,000 PSI Concrete Thrust Blocks .....	235.58	
			<i>For 2,000 PSI Concrete, Deduct</i>	-10.48	
			<i>For 2,500 PSI Concrete, Deduct</i>	-5.24	
			<i>For 3,500 PSI Concrete, Add</i>	9.71	
			<i>For 3,750 PSI Concrete, Add</i>	13.20	
			<i>For 4,000 PSI Concrete, Add</i>	16.69	
			<i>For 4,500 PSI Concrete, Add</i>	19.41	
			<i>For 5,000 PSI Concrete, Add</i>	22.13	
			<i>For 6,000 PSI Concrete, Add</i>	52.41	
			<i>For 7,500 PSI Concrete, Add</i>	130.14	
			<i>For White Cement Concrete, Add</i>	23.29	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	25.23	
			<i>For High Early Strength, Type 3 ASTM C150, Add</i>	19.41	
			<i>For Lightweight Aggregate, ASTM C330, Add</i>	58.23	
03 30 53 00-0003			<b>Place Concrete Slurry</b> <sup>(03 30 53)</sup>		
			Note: 2 bag cement per CY.		
03 30 53 00-0004	CY		Direct Chute, Place 1,200 PSI Concrete Slurry .....	211.32	
03 30 53 00-0005	CY		Concrete Pump, Place 1,200 PSI Concrete Slurry.....	204.39	
			Note: Excludes pumping equipment.		
03 30 53 00-0006			<b>Hand Mix And Place Concrete</b> <sup>(03 30 53)</sup>		



<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Cast-In-Place Concrete</b>	<b>03 30</b>	
<b>Miscellaneous Cast-in-Place Concrete</b>	<b>03 30 53</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 30 53 00-0007 CF Hand Mix And Place Concrete.....	21.57	
Note: For use where conventional equipment access is limited or when directed by the owner.		
For 2,000 PSI Concrete, Deduct	-0.45	
For 2,500 PSI Concrete, Deduct	-0.22	
For 3,500 PSI Concrete, Add	0.42	
For 3,750 PSI Concrete, Add	0.56	
For 4,000 PSI Concrete, Add	0.71	
For 4,500 PSI Concrete, Add	0.83	
For 5,000 PSI Concrete, Add	0.95	
For 6,000 PSI Concrete, Add	2.24	
For 7,500 PSI Concrete, Add	5.57	
For White Cement Concrete, Add	1.00	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	1.08	
For High Early Strength, Type 3 ASTM C150, Add	0.83	
For Lightweight Aggregate, ASTM C330, Add	2.49	
<b>03 31 Structural Concrete</b> <small>(03 30)</small>		
<b>03 31 13 Heavyweight Structural Concrete</b> <small>(03 31)</small>		
Note: Includes delivery, fuel charge and placement of material. See CSI section 02 41 00 00-0000 for demolition, 03 05 13 00-0001 for admixtures, 03 11 00 00-0000 for forming, 03 20 00 00-0000 for reinforcing, 03 35 00 00-0000 for finishing, 03 39 00 00-0000 for curing.		
03 31 13 00-0001 Concrete Slab Assemblies <small>(03 31 13)</small>		
03 31 13 00-0002 3,000 PSI Slab On Grade Concrete Slabs Assemblies <small>(03 31 13 00-0001)</small>		
Note: Includes forms, welded wire reinforcement (where necessary), #3 to #6 reinforcing rods at 12" on center each way with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float, and finish for pedestrian slabs. Excludes excavation, base, earthwork, and expansion joints along existing slab. See CSI section 03 05 13 00-0001 for color additive alternative, 03 37 16 00-0001 for concrete pumping equipment.		
03 31 13 00-0003 SF 4" 3,000 PSI Slab On Grade Concrete Slabs Assembly .....	6.49	
For 2,000 PSI Concrete, Deduct	-0.25	
For 2,500 PSI Concrete, Deduct	-0.13	
For 3,500 PSI Concrete, Add	0.09	
For 4,000 PSI Concrete, Add	0.30	
For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
For Up To 500, Add	2.01	
For >500 To 1,000, Add	1.42	
For >1,000 To 2,000, Add	0.83	
For >2,000 To 5,000, Add	0.41	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000 To 35,000, Deduct	-0.40	
For >35,000 To 50,000, Deduct	-0.56	
For >50,000 To 70,000, Deduct	-0.72	
For >70,000, Deduct	-0.88	
03 31 13 00-0004 SF 5" 3,000 PSI Slab On Grade Concrete Slabs Assembly .....	7.21	
For 2,000 PSI Concrete, Deduct	-0.29	
For 2,500 PSI Concrete, Deduct	-0.14	
For 3,500 PSI Concrete, Add	0.10	
For 4,000 PSI Concrete, Add	0.34	
For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
For Up To 500, Add	2.19	
For >500 To 1,000, Add	1.55	
For >1,000 To 2,000, Add	0.91	
For >2,000 To 5,000, Add	0.45	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000 To 35,000, Deduct	-0.45	
For >35,000 To 50,000, Deduct	-0.63	
For >50,000 To 70,000, Deduct	-0.81	
For >70,000, Deduct	-0.99	
03 31 13 00-0005 SF 6" 3,000 PSI Slab On Grade Concrete Slabs Assembly .....	8.25	
For 2,000 PSI Concrete, Deduct	-0.34	
For 2,500 PSI Concrete, Deduct	-0.17	
For 3,500 PSI Concrete, Add	0.12	
For 4,000 PSI Concrete, Add	0.39	
For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
For Up To 500, Add	2.45	
For >500 To 1,000, Add	1.74	
For >1,000 To 2,000, Add	1.02	
For >2,000 To 5,000, Add	0.51	
For >10,000 To 20,000, Deduct	-0.31	
For >20,000 To 35,000, Deduct	-0.52	
For >35,000 To 50,000, Deduct	-0.73	
For >50,000 To 70,000, Deduct	-0.93	
For >70,000, Deduct	-1.14	



<b>03</b>	<b>Concrete</b>
<b>03 30</b>	<b>Cast-In-Place Concrete</b>
<b>03 31</b>	<b>Structural Concrete</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 31 13 00-0006	SF 7" 3,000 PSI Slab On Grade Concrete Slabs Assembly .....	9.27
	For 2,000 PSI Concrete, Deduct	-0.39
	For 2,500 PSI Concrete, Deduct	-0.19
	For 3,500 PSI Concrete, Add	0.14
	For 4,000 PSI Concrete, Add	0.45
	For Reinforcing Rods Are At 18" On Center, Deduct	-0.13
	For Reinforcing Rods Are At 24" On Center, Deduct	-0.40
	For Up To 500, Add	2.68
	For >500 To 1,000, Add	1.91
	For >1,000 To 2,000, Add	1.13
	For >2,000 To 5,000, Add	0.57
	For >10,000 To 20,000, Deduct	-0.36
	For >20,000 To 35,000, Deduct	-0.59
	For >35,000 To 50,000, Deduct	-0.82
	For >50,000 To 70,000, Deduct	-1.06
	For >70,000, Deduct	-1.29
03 31 13 00-0007	SF 8" 3,000 PSI Slab On Grade Concrete Slabs Assembly .....	10.12
	For 2,000 PSI Concrete, Deduct	-0.43
	For 2,500 PSI Concrete, Deduct	-0.22
	For 3,500 PSI Concrete, Add	0.15
	For 4,000 PSI Concrete, Add	0.50
	For Reinforcing Rods Are At 18" On Center, Deduct	-0.13
	For Reinforcing Rods Are At 24" On Center, Deduct	-0.40
	For Up To 500, Add	2.88
	For >500 To 1,000, Add	2.06
	For >1,000 To 2,000, Add	1.23
	For >2,000 To 5,000, Add	0.61
	For >10,000 To 20,000, Deduct	-0.40
	For >20,000 To 35,000, Deduct	-0.65
	For >35,000 To 50,000, Deduct	-0.90
	For >50,000 To 70,000, Deduct	-1.16
	For >70,000, Deduct	-1.41
03 31 13 00-0008	SF 10" 3,000 PSI Slab On Grade Concrete Slabs Assembly .....	12.38
	For 2,000 PSI Concrete, Deduct	-0.54
	For 2,500 PSI Concrete, Deduct	-0.27
	For 3,500 PSI Concrete, Add	0.19
	For 4,000 PSI Concrete, Add	0.63
	For Reinforcing Rods Are At 18" On Center, Deduct	-0.13
	For Reinforcing Rods Are At 24" On Center, Deduct	-0.40
	For Up To 500, Add	3.40
	For >500 To 1,000, Add	2.44
	For >1,000 To 2,000, Add	1.47
	For >2,000 To 5,000, Add	0.74
	For >10,000 To 20,000, Deduct	-0.50
	For >20,000 To 35,000, Deduct	-0.81
	For >35,000 To 50,000, Deduct	-1.12
	For >50,000 To 70,000, Deduct	-1.43
	For >70,000, Deduct	-1.74
03 31 13 00-0009	SF 12" 3,000 PSI Slab On Grade Concrete Slabs Assembly .....	14.09
	For 2,000 PSI Concrete, Deduct	-0.63
	For 2,500 PSI Concrete, Deduct	-0.31
	For 3,500 PSI Concrete, Add	0.22
	For 4,000 PSI Concrete, Add	0.73
	For Reinforcing Rods Are At 18" On Center, Deduct	-0.13
	For Reinforcing Rods Are At 24" On Center, Deduct	-0.40
	For Up To 500, Add	3.81
	For >500 To 1,000, Add	2.74
	For >1,000 To 2,000, Add	1.66
	For >2,000 To 5,000, Add	0.83
	For >10,000 To 20,000, Deduct	-0.58
	For >20,000 To 35,000, Deduct	-0.93
	For >35,000 To 50,000, Deduct	-1.28
	For >50,000 To 70,000, Deduct	-1.64
	For >70,000, Deduct	-1.99

03 31 13 00-0010	Concrete Delivery And Placement <small>(03 31 13)</small> Note: Includes cleaning out equipment and standard concrete placement tests. See CSI section 03 05 13 00-0001 for admixtures.
03 31 13 00-0011	Place Concrete By Method Indicated <small>(03 31 13 00-0010)</small> Note: Tasks for concrete placement "By Concrete Pump" exclude the pumping equipment. See CSI section 03 37 16 00-0001 for concrete pumping equipment.
03 31 13 00-0012	Place Concrete Pile Caps <small>(03 31 13 00-0011)</small>



<b>Concrete</b>	<b>03</b>	<b>03</b>
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0013 CY Crane And Bucket, Place 3,000 PSI Concrete Pile Caps .....	254.66	
For 2,000 PSI Concrete, Deduct	-10.48	
For 2,500 PSI Concrete, Deduct	-5.24	
For 3,500 PSI Concrete, Add	9.71	
For 3,750 PSI Concrete, Add	13.20	
For 4,000 PSI Concrete, Add	16.69	
For 4,500 PSI Concrete, Add	19.41	
For 5,000 PSI Concrete, Add	22.13	
For 6,000 PSI Concrete, Add	52.41	
For 7,500 PSI Concrete, Add	130.14	
For White Cement Concrete, Add	23.29	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.23	
For High Early Strength, Type 3 ASTM C150, Add	19.41	
For Lightweight Aggregate, ASTM C330, Add	58.23	
For Up To 20, Add	24.22	
For >20 To 50, Add	9.08	
For >100 To 200, Deduct	-5.09	
For >200 To 400, Deduct	-10.19	
For >400, Deduct	-15.28	
03 31 13 00-0014 CY Direct Chute, Place 3,000 PSI Concrete Pile Caps .....	220.03	
For 2,000 PSI Concrete, Deduct	-10.48	
For 2,500 PSI Concrete, Deduct	-5.24	
For 3,500 PSI Concrete, Add	9.71	
For 3,750 PSI Concrete, Add	13.20	
For 4,000 PSI Concrete, Add	16.69	
For 4,500 PSI Concrete, Add	19.41	
For 5,000 PSI Concrete, Add	22.13	
For 6,000 PSI Concrete, Add	52.41	
For 7,500 PSI Concrete, Add	130.14	
For White Cement Concrete, Add	23.29	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.23	
For High Early Strength, Type 3 ASTM C150, Add	19.41	
For Lightweight Aggregate, ASTM C330, Add	58.23	
For Up To 20, Add	10.37	
For >20 To 50, Add	3.89	
For >100 To 200, Deduct	-4.40	
For >200 To 400, Deduct	-8.80	
For >400, Deduct	-13.20	
03 31 13 00-0015 CY Concrete Pump, Place 3,000 PSI Concrete Pile Caps .....	234.96	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-11.35	
For 2,500 PSI Concrete, Deduct	-5.68	
For 3,500 PSI Concrete, Add	10.51	
For 3,750 PSI Concrete, Add	14.30	
For 4,000 PSI Concrete, Add	18.08	
For 4,500 PSI Concrete, Add	21.03	
For 5,000 PSI Concrete, Add	23.97	
For 6,000 PSI Concrete, Add	56.77	
For 7,500 PSI Concrete, Add	140.99	
For White Cement Concrete, Add	25.23	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	27.34	
For High Early Strength, Type 3 ASTM C150, Add	21.03	
For Lightweight Aggregate, ASTM C330, Add	63.08	
For Up To 20, Add	9.88	
For >20 To 50, Add	3.70	
For >100 To 200, Deduct	-4.70	
For >200 To 400, Deduct	-9.40	
For >400, Deduct	-14.10	
<b>03 31 13 00-0016 Place Concrete Continuous Footings (03 31 13 00-0011)</b>		
03 31 13 00-0017 CY Crane And Bucket, Place 3,000 PSI Concrete Continuous Footings .....	247.93	
For 2,000 PSI Concrete, Deduct	-10.48	
For 2,500 PSI Concrete, Deduct	-5.24	
For 3,500 PSI Concrete, Add	9.71	
For 3,750 PSI Concrete, Add	13.20	
For 4,000 PSI Concrete, Add	16.69	
For 4,500 PSI Concrete, Add	19.41	
For 5,000 PSI Concrete, Add	22.13	
For 6,000 PSI Concrete, Add	52.41	
For 7,500 PSI Concrete, Add	130.14	
For White Cement Concrete, Add	23.29	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.23	
For High Early Strength, Type 3 ASTM C150, Add	19.41	
For Lightweight Aggregate, ASTM C330, Add	58.23	
For Up To 20, Add	21.53	
For >20 To 50, Add	8.07	
For >100 To 200, Deduct	-4.96	
For >200 To 400, Deduct	-9.92	
For >400, Deduct	-14.88	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 31 13 00-0018	CY Direct Chute, Place 3,000 PSI Concrete Continuous Footings.....	217.14	
	For 2,000 PSI Concrete, Deduct	-10.48	
	For 2,500 PSI Concrete, Deduct	-5.24	
	For 3,500 PSI Concrete, Add	9.70	
	For 3,750 PSI Concrete, Add	13.20	
	For 4,000 PSI Concrete, Add	16.69	
	For 4,500 PSI Concrete, Add	19.41	
	For 5,000 PSI Concrete, Add	22.13	
	For 6,000 PSI Concrete, Add	52.40	
	For 7,500 PSI Concrete, Add	130.14	
	For White Cement Concrete, Add	23.29	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.23	
	For High Early Strength, Type 3 ASTM C150, Add	19.41	
	For Lightweight Aggregate, ASTM C330, Add	58.23	
	For Up To 20, Add	9.22	
	For >20 To 50, Add	3.46	
	For >100 To 200, Deduct	-4.34	
	For >200 To 400, Deduct	-8.69	
	For >400, Deduct	-13.03	
03 31 13 00-0019	CY Concrete Pump, Place 3,000 PSI Concrete Continuous Footings.....	232.22	
	Note: Excludes pumping equipment.		
	For 2,000 PSI Concrete, Deduct	-11.35	
	For 2,500 PSI Concrete, Deduct	-5.68	
	For 3,500 PSI Concrete, Add	10.51	
	For 3,750 PSI Concrete, Add	14.30	
	For 4,000 PSI Concrete, Add	18.08	
	For 4,500 PSI Concrete, Add	21.03	
	For 5,000 PSI Concrete, Add	23.97	
	For 6,000 PSI Concrete, Add	56.77	
	For 7,500 PSI Concrete, Add	140.99	
	For White Cement Concrete, Add	25.23	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	27.34	
	For High Early Strength, Type 3 ASTM C150, Add	21.03	
	For Lightweight Aggregate, ASTM C330, Add	63.08	
	For Up To 20, Add	8.78	
	For >20 To 50, Add	3.29	
	For >100 To 200, Deduct	-4.64	
	For >200 To 400, Deduct	-9.29	
	For >400, Deduct	-13.93	
03 31 13 00-0020	Place Concrete Spread Footings (03 31 13 00-0011)		
03 31 13 00-0021	CY Crane And Bucket, Place 3,000 PSI Concrete Spread Footings.....	284.93	
	For 2,000 PSI Concrete, Deduct	-10.48	
	For 2,500 PSI Concrete, Deduct	-5.24	
	For 3,500 PSI Concrete, Add	9.70	
	For 3,750 PSI Concrete, Add	13.20	
	For 4,000 PSI Concrete, Add	16.69	
	For 4,500 PSI Concrete, Add	19.41	
	For 5,000 PSI Concrete, Add	22.13	
	For 6,000 PSI Concrete, Add	52.40	
	For 7,500 PSI Concrete, Add	130.14	
	For White Cement Concrete, Add	23.29	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.23	
	For High Early Strength, Type 3 ASTM C150, Add	19.41	
	For Lightweight Aggregate, ASTM C330, Add	58.23	
	For Up To 20, Add	36.34	
	For >20 To 50, Add	13.63	
	For >100 To 200, Deduct	-5.70	
	For >200 To 400, Deduct	-11.40	
	For >400, Deduct	-17.10	
03 31 13 00-0022	CY Direct Chute, Place 3,000 PSI Concrete Spread Footings.....	232.98	
	For 2,000 PSI Concrete, Deduct	-10.48	
	For 2,500 PSI Concrete, Deduct	-5.24	
	For 3,500 PSI Concrete, Add	9.70	
	For 3,750 PSI Concrete, Add	13.20	
	For 4,000 PSI Concrete, Add	16.69	
	For 4,500 PSI Concrete, Add	19.41	
	For 5,000 PSI Concrete, Add	22.13	
	For 6,000 PSI Concrete, Add	52.40	
	For 7,500 PSI Concrete, Add	130.14	
	For White Cement Concrete, Add	23.29	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.23	
	For High Early Strength, Type 3 ASTM C150, Add	19.41	
	For Lightweight Aggregate, ASTM C330, Add	58.23	
	For Up To 20, Add	15.56	
	For >20 To 50, Add	5.83	
	For >100 To 200, Deduct	-4.66	
	For >200 To 400, Deduct	-9.32	
	For >400, Deduct	-13.98	



<b>Concrete</b>	<b>03</b>	<b>03</b>
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0023 CY Concrete Pump, Place 3,000 PSI Concrete Spread Footings ..... 247.31 Note: Excludes pumping equipment. For 2,000 PSI Concrete, Deduct -11.35 For 2,500 PSI Concrete, Deduct -5.68 For 3,500 PSI Concrete, Add 10.51 For 3,750 PSI Concrete, Add 14.30 For 4,000 PSI Concrete, Add 18.08 For 4,500 PSI Concrete, Add 21.03 For 5,000 PSI Concrete, Add 23.97 For 6,000 PSI Concrete, Add 56.77 For 7,500 PSI Concrete, Add 140.99 For White Cement Concrete, Add 25.23 For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add 27.34 For High Early Strength, Type 3 ASTM C150, Add 21.03 For Lightweight Aggregate, ASTM C330, Add 63.08 For Up To 20, Add 14.82 For >20 To 50, Add 5.56 For >100 To 200, Deduct -4.95 For >200 To 400, Deduct -9.89 For >400, Deduct -14.84		
<b>03 31 13 00-0024 Place Concrete Mat Foundation (03 31 13 00-0011)</b>		
03 31 13 00-0025 CY Crane And Bucket, Place 3,000 PSI Concrete Mat Foundation..... 210.24 For 2,000 PSI Concrete, Deduct -10.48 For 2,500 PSI Concrete, Deduct -5.24 For 3,500 PSI Concrete, Add 9.70 For 3,750 PSI Concrete, Add 13.20 For 4,000 PSI Concrete, Add 16.69 For 4,500 PSI Concrete, Add 19.41 For 5,000 PSI Concrete, Add 22.13 For 6,000 PSI Concrete, Add 52.40 For 7,500 PSI Concrete, Add 130.14 For White Cement Concrete, Add 23.29 For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add 25.23 For High Early Strength, Type 3 ASTM C150, Add 19.41 For Lightweight Aggregate, ASTM C330, Add 58.23 For Up To 20, Add 6.46 For >20 To 50, Add 2.42 For >100 To 200, Deduct -4.20 For >200 To 400, Deduct -8.41 For >400, Deduct -12.61		
03 31 13 00-0026 CY Direct Chute, Place 3,000 PSI Concrete Mat Foundation..... 201.01 For 2,000 PSI Concrete, Deduct -10.48 For 2,500 PSI Concrete, Deduct -5.24 For 3,500 PSI Concrete, Add 9.70 For 3,750 PSI Concrete, Add 13.20 For 4,000 PSI Concrete, Add 16.69 For 4,500 PSI Concrete, Add 19.41 For 5,000 PSI Concrete, Add 22.13 For 6,000 PSI Concrete, Add 52.40 For 7,500 PSI Concrete, Add 130.14 For White Cement Concrete, Add 23.29 For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add 25.23 For High Early Strength, Type 3 ASTM C150, Add 19.41 For Lightweight Aggregate, ASTM C330, Add 58.23 For Up To 20, Add 2.77 For >20 To 50, Add 1.04 For >100 To 200, Deduct -4.02 For >200 To 400, Deduct -8.04 For >400, Deduct -12.06		
03 31 13 00-0027 CY Concrete Pump, Place 3,000 PSI Concrete Mat Foundation..... 216.03 Note: Excludes pumping equipment. For 2,000 PSI Concrete, Deduct -11.35 For 2,500 PSI Concrete, Deduct -5.68 For 3,500 PSI Concrete, Add 10.51 For 3,750 PSI Concrete, Add 14.30 For 4,000 PSI Concrete, Add 18.08 For 4,500 PSI Concrete, Add 21.03 For 5,000 PSI Concrete, Add 23.97 For 6,000 PSI Concrete, Add 56.77 For 7,500 PSI Concrete, Add 140.99 For White Cement Concrete, Add 25.23 For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add 27.34 For High Early Strength, Type 3 ASTM C150, Add 21.03 For Lightweight Aggregate, ASTM C330, Add 63.08 For Up To 20, Add 2.30 For >20 To 50, Add 0.86 For >100 To 200, Deduct -4.32 For >200 To 400, Deduct -8.64 For >400, Deduct -12.96		
<b>03 31 13 00-0028 Place Concrete Grade Beams (03 31 13 00-0011)</b>		

<b>03</b>	<b>Concrete</b>
<b>03 30</b>	<b>Cast-In-Place Concrete</b>
<b>03 31</b>	<b>Structural Concrete</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 31 13 00-0029	CY Crane And Bucket, Place 3,000 PSI Concrete Grade Beams.....	237.17
	<i>For 2,000 PSI Concrete, Deduct</i>	-10.48
	<i>For 2,500 PSI Concrete, Deduct</i>	-5.24
	<i>For 3,500 PSI Concrete, Add</i>	9.71
	<i>For 3,750 PSI Concrete, Add</i>	13.20
	<i>For 4,000 PSI Concrete, Add</i>	16.69
	<i>For 4,500 PSI Concrete, Add</i>	19.41
	<i>For 5,000 PSI Concrete, Add</i>	22.13
	<i>For 6,000 PSI Concrete, Add</i>	52.41
	<i>For 7,500 PSI Concrete, Add</i>	130.14
	<i>For White Cement Concrete, Add</i>	23.29
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	25.23
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	19.41
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	58.23
	<i>For Up To 20, Add</i>	17.23
	<i>For &gt;20 To 50, Add</i>	6.46
	<i>For &gt;100 To 200, Deduct</i>	-4.74
	<i>For &gt;200 To 400, Deduct</i>	-9.49
	<i>For &gt;400, Deduct</i>	-14.23
03 31 13 00-0030	CY Direct Chute, Place 3,000 PSI Concrete Grade Beams.....	212.53
	<i>For 2,000 PSI Concrete, Deduct</i>	-10.48
	<i>For 2,500 PSI Concrete, Deduct</i>	-5.24
	<i>For 3,500 PSI Concrete, Add</i>	9.70
	<i>For 3,750 PSI Concrete, Add</i>	13.20
	<i>For 4,000 PSI Concrete, Add</i>	16.69
	<i>For 4,500 PSI Concrete, Add</i>	19.41
	<i>For 5,000 PSI Concrete, Add</i>	22.13
	<i>For 6,000 PSI Concrete, Add</i>	52.40
	<i>For 7,500 PSI Concrete, Add</i>	130.14
	<i>For White Cement Concrete, Add</i>	23.29
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	25.23
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	19.41
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	58.23
	<i>For Up To 20, Add</i>	7.38
	<i>For &gt;20 To 50, Add</i>	2.77
	<i>For &gt;100 To 200, Deduct</i>	-4.25
	<i>For &gt;200 To 400, Deduct</i>	-8.50
	<i>For &gt;400, Deduct</i>	-12.75
03 31 13 00-0031	CY Concrete Pump, Place 3,000 PSI Concrete Grade Beams.....	227.83
	Note: Excludes pumping equipment.	
	<i>For 2,000 PSI Concrete, Deduct</i>	-11.35
	<i>For 2,500 PSI Concrete, Deduct</i>	-5.68
	<i>For 3,500 PSI Concrete, Add</i>	10.51
	<i>For 3,750 PSI Concrete, Add</i>	14.30
	<i>For 4,000 PSI Concrete, Add</i>	18.08
	<i>For 4,500 PSI Concrete, Add</i>	21.03
	<i>For 5,000 PSI Concrete, Add</i>	23.97
	<i>For 6,000 PSI Concrete, Add</i>	56.77
	<i>For 7,500 PSI Concrete, Add</i>	140.99
	<i>For White Cement Concrete, Add</i>	25.23
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	27.34
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	21.03
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	63.08
	<i>For Up To 20, Add</i>	7.02
	<i>For &gt;20 To 50, Add</i>	2.63
	<i>For &gt;100 To 200, Deduct</i>	-4.56
	<i>For &gt;200 To 400, Deduct</i>	-9.11
	<i>For &gt;400, Deduct</i>	-13.67

**03 31 13 00-0032 Place Concrete Slab On Grade** (03 31 13 00-0011)

03 31 13 00-0033	CY Up To 6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade.....	238.17
	<i>For 2,000 PSI Concrete, Deduct</i>	-10.48
	<i>For 2,500 PSI Concrete, Deduct</i>	-5.24
	<i>For 3,500 PSI Concrete, Add</i>	9.70
	<i>For 3,750 PSI Concrete, Add</i>	13.20
	<i>For 4,000 PSI Concrete, Add</i>	16.69
	<i>For 4,500 PSI Concrete, Add</i>	19.41
	<i>For 5,000 PSI Concrete, Add</i>	22.13
	<i>For 6,000 PSI Concrete, Add</i>	52.40
	<i>For 7,500 PSI Concrete, Add</i>	130.14
	<i>For White Cement Concrete, Add</i>	23.29
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	25.23
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	19.41
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	58.23
	<i>For Up To 20, Add</i>	17.63
	<i>For &gt;20 To 50, Add</i>	6.61
	<i>For &gt;100 To 200, Deduct</i>	-4.76
	<i>For &gt;200 To 400, Deduct</i>	-9.53
	<i>For &gt;400, Deduct</i>	-14.29



<b>Concrete</b>	<b>03</b>	<b>03</b>
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0034 CY >6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade .....	227.54	
For 2,000 PSI Concrete, Deduct	-10.48	
For 2,500 PSI Concrete, Deduct	-5.24	
For 3,500 PSI Concrete, Add	9.70	
For 3,750 PSI Concrete, Add	13.20	
For 4,000 PSI Concrete, Add	16.69	
For 4,500 PSI Concrete, Add	19.41	
For 5,000 PSI Concrete, Add	22.13	
For 6,000 PSI Concrete, Add	52.40	
For 7,500 PSI Concrete, Add	130.14	
For White Cement Concrete, Add	23.29	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.23	
For High Early Strength, Type 3 ASTM C150, Add	19.41	
For Lightweight Aggregate, ASTM C330, Add	58.23	
For Up To 20, Add	13.38	
For >20 To 50, Add	5.02	
For >100 To 200, Deduct	-4.55	
For >200 To 400, Deduct	-9.10	
For >400, Deduct	-13.65	
03 31 13 00-0035 CY Up To 6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade.....	212.96	
For 2,000 PSI Concrete, Deduct	-10.48	
For 2,500 PSI Concrete, Deduct	-5.24	
For 3,500 PSI Concrete, Add	9.70	
For 3,750 PSI Concrete, Add	13.20	
For 4,000 PSI Concrete, Add	16.69	
For 4,500 PSI Concrete, Add	19.41	
For 5,000 PSI Concrete, Add	22.13	
For 6,000 PSI Concrete, Add	52.40	
For 7,500 PSI Concrete, Add	130.14	
For White Cement Concrete, Add	23.29	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.23	
For High Early Strength, Type 3 ASTM C150, Add	19.41	
For Lightweight Aggregate, ASTM C330, Add	58.23	
For Up To 20, Add	7.55	
For >20 To 50, Add	2.83	
For >100 To 200, Deduct	-4.26	
For >200 To 400, Deduct	-8.52	
For >400, Deduct	-12.78	
03 31 13 00-0036 CY >6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade .....	208.40	
For 2,000 PSI Concrete, Deduct	-10.48	
For 2,500 PSI Concrete, Deduct	-5.24	
For 3,500 PSI Concrete, Add	9.70	
For 3,750 PSI Concrete, Add	13.20	
For 4,000 PSI Concrete, Add	16.69	
For 4,500 PSI Concrete, Add	19.41	
For 5,000 PSI Concrete, Add	22.13	
For 6,000 PSI Concrete, Add	52.40	
For 7,500 PSI Concrete, Add	130.14	
For White Cement Concrete, Add	23.29	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.23	
For High Early Strength, Type 3 ASTM C150, Add	19.41	
For Lightweight Aggregate, ASTM C330, Add	58.23	
For Up To 20, Add	5.72	
For >20 To 50, Add	2.15	
For >100 To 200, Deduct	-4.17	
For >200 To 400, Deduct	-8.34	
For >400, Deduct	-12.50	
03 31 13 00-0037 CY Up To 6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade.....	225.99	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-11.35	
For 2,500 PSI Concrete, Deduct	-5.68	
For 3,500 PSI Concrete, Add	10.51	
For 3,750 PSI Concrete, Add	14.30	
For 4,000 PSI Concrete, Add	18.08	
For 4,500 PSI Concrete, Add	21.03	
For 5,000 PSI Concrete, Add	23.97	
For 6,000 PSI Concrete, Add	56.77	
For 7,500 PSI Concrete, Add	140.99	
For White Cement Concrete, Add	25.23	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	27.34	
For High Early Strength, Type 3 ASTM C150, Add	21.03	
For Lightweight Aggregate, ASTM C330, Add	63.08	
For Up To 20, Add	6.29	
For >20 To 50, Add	2.36	
For >100 To 200, Deduct	-4.52	
For >200 To 400, Deduct	-9.04	
For >400, Deduct	-13.56	

<b>03</b>	<b>Concrete</b>
<b>03 30</b>	<b>Cast-In-Place Concrete</b>
<b>03 31</b>	<b>Structural Concrete</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	03 31 13 00-0038	CY	>6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade.....	222.20	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-11.35	
			For 2,500 PSI Concrete, Deduct	-5.68	
			For 3,500 PSI Concrete, Add	10.51	
			For 3,750 PSI Concrete, Add	14.30	
			For 4,000 PSI Concrete, Add	18.08	
			For 4,500 PSI Concrete, Add	21.03	
			For 5,000 PSI Concrete, Add	23.97	
			For 6,000 PSI Concrete, Add	56.77	
			For 7,500 PSI Concrete, Add	140.99	
			For White Cement Concrete, Add	25.23	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	27.34	
			For High Early Strength, Type 3 ASTM C150, Add	21.03	
			For Lightweight Aggregate, ASTM C330, Add	63.08	
			For Up To 20, Add	4.77	
			For >20 To 50, Add	1.79	
			For >100 To 200, Deduct	-4.44	
			For >200 To 400, Deduct	-8.89	
			For >400, Deduct	-13.33	
	03 31 13 00-0039		<b>Place Concrete Duct Bank</b> (03 31 13 00-0011)		
	03 31 13 00-0040	CY	Direct Chute, Place 3,000 PSI Concrete Duct Bank .....	209.71	
			For 2,000 PSI Concrete, Deduct	-10.48	
			For 2,500 PSI Concrete, Deduct	-5.24	
			For 3,500 PSI Concrete, Add	9.70	
			For 3,750 PSI Concrete, Add	13.20	
			For 4,000 PSI Concrete, Add	16.69	
			For 4,500 PSI Concrete, Add	19.41	
			For 5,000 PSI Concrete, Add	22.13	
			For 6,000 PSI Concrete, Add	52.40	
			For 7,500 PSI Concrete, Add	130.14	
			For White Cement Concrete, Add	23.29	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.23	
			For High Early Strength, Type 3 ASTM C150, Add	19.41	
			For Lightweight Aggregate, ASTM C330, Add	58.23	
			For Up To 20, Add	6.25	
			For >20 To 50, Add	2.34	
			For >100 To 200, Deduct	-4.19	
			For >200 To 400, Deduct	-8.39	
			For >400, Deduct	-12.58	
	03 31 13 00-0041		<b>Place Concrete Stairs</b> (03 31 13 00-0011)		
	03 31 13 00-0042	CY	Crane And Bucket, Place 3,000 PSI On Grade Concrete Stairs.....	392.42	
			For 2,000 PSI Concrete, Deduct	-10.48	
			For 2,500 PSI Concrete, Deduct	-5.24	
			For 3,500 PSI Concrete, Add	9.71	
			For 3,750 PSI Concrete, Add	13.20	
			For 4,000 PSI Concrete, Add	16.69	
			For 4,500 PSI Concrete, Add	19.41	
			For 5,000 PSI Concrete, Add	22.13	
			For 6,000 PSI Concrete, Add	52.41	
			For 7,500 PSI Concrete, Add	130.14	
			For White Cement Concrete, Add	23.29	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.23	
			For High Early Strength, Type 3 ASTM C150, Add	19.41	
			For Lightweight Aggregate, ASTM C330, Add	58.23	
			For Up To 20, Add	79.33	
			For >20 To 50, Add	29.75	
			For >100 To 200, Deduct	-7.85	
			For >200 To 400, Deduct	-15.70	
			For >400, Deduct	-23.55	
	03 31 13 00-0043	CY	Direct Chute, Place 3,000 PSI On Grade Concrete Stairs.....	279.01	
			For 2,000 PSI Concrete, Deduct	-10.48	
			For 2,500 PSI Concrete, Deduct	-5.24	
			For 3,500 PSI Concrete, Add	9.70	
			For 3,750 PSI Concrete, Add	13.20	
			For 4,000 PSI Concrete, Add	16.69	
			For 4,500 PSI Concrete, Add	19.41	
			For 5,000 PSI Concrete, Add	22.13	
			For 6,000 PSI Concrete, Add	52.40	
			For 7,500 PSI Concrete, Add	130.14	
			For White Cement Concrete, Add	23.29	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.23	
			For High Early Strength, Type 3 ASTM C150, Add	19.41	
			For Lightweight Aggregate, ASTM C330, Add	58.23	
			For Up To 20, Add	33.97	
			For >20 To 50, Add	12.74	
			For >100 To 200, Deduct	-5.58	
			For >200 To 400, Deduct	-11.16	
			For >400, Deduct	-16.74	



<b>Concrete</b>	<b>03</b>	<b>03</b>
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0044 CY Concrete Pump, Place 3,000 PSI On Grade Concrete Stairs.....	281.04	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-11.35	
For 2,500 PSI Concrete, Deduct	-5.68	
For 3,500 PSI Concrete, Add	10.51	
For 3,750 PSI Concrete, Add	14.30	
For 4,000 PSI Concrete, Add	18.08	
For 4,500 PSI Concrete, Add	21.03	
For 5,000 PSI Concrete, Add	23.97	
For 6,000 PSI Concrete, Add	56.77	
For 7,500 PSI Concrete, Add	140.99	
For White Cement Concrete, Add	25.23	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	27.34	
For High Early Strength, Type 3 ASTM C150, Add	21.03	
For Lightweight Aggregate, ASTM C330, Add	63.08	
For Up To 20, Add	28.31	
For >20 To 50, Add	10.62	
For >100 To 200, Deduct	-5.62	
For >200 To 400, Deduct	-11.24	
For >400, Deduct	-16.86	
<b>03 31 13 00-0045 Place Concrete Superstructure By Method Indicated</b> (03 31 13 00-0010)		
See CSI section 03 37 16 00-0001 for concrete pump truck.		
<b>03 31 13 00-0046 Place Elevated Concrete Beams</b> (03 31 13 00-0045)		
03 31 13 00-0047 CY Crane And Bucket, Place 3,000 PSI Elevated Concrete Beams.....	301.76	
For 2,000 PSI Concrete, Deduct	-10.48	
For 2,500 PSI Concrete, Deduct	-5.24	
For 3,500 PSI Concrete, Add	9.70	
For 3,750 PSI Concrete, Add	13.20	
For 4,000 PSI Concrete, Add	16.69	
For 4,500 PSI Concrete, Add	19.41	
For 5,000 PSI Concrete, Add	22.13	
For 6,000 PSI Concrete, Add	52.40	
For 7,500 PSI Concrete, Add	130.14	
For White Cement Concrete, Add	23.29	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.23	
For High Early Strength, Type 3 ASTM C150, Add	19.41	
For Lightweight Aggregate, ASTM C330, Add	58.23	
For Up To 20, Add	43.07	
For >20 To 50, Add	16.15	
For >100 To 200, Deduct	-6.04	
For >200 To 400, Deduct	-12.07	
For >400, Deduct	-18.11	
03 31 13 00-0048 CY Concrete Pump, Place 3,000 PSI Elevated Concrete Beams.....	254.17	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-11.35	
For 2,500 PSI Concrete, Deduct	-5.68	
For 3,500 PSI Concrete, Add	10.51	
For 3,750 PSI Concrete, Add	14.30	
For 4,000 PSI Concrete, Add	18.08	
For 4,500 PSI Concrete, Add	21.03	
For 5,000 PSI Concrete, Add	23.97	
For 6,000 PSI Concrete, Add	56.77	
For 7,500 PSI Concrete, Add	140.99	
For White Cement Concrete, Add	25.23	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	27.34	
For High Early Strength, Type 3 ASTM C150, Add	21.03	
For Lightweight Aggregate, ASTM C330, Add	63.08	
For Up To 20, Add	17.56	
For >20 To 50, Add	6.59	
For >100 To 200, Deduct	-5.08	
For >200 To 400, Deduct	-10.17	
For >400, Deduct	-15.25	
<b>03 31 13 00-0049 Place Elevated Concrete Slab</b> (03 31 13 00-0045)		
03 31 13 00-0050 CY Up To 6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab .....	244.78	
For 2,000 PSI Concrete, Deduct	-10.48	
For 2,500 PSI Concrete, Deduct	-5.24	
For 3,500 PSI Concrete, Add	9.70	
For 3,750 PSI Concrete, Add	13.20	
For 4,000 PSI Concrete, Add	16.69	
For 4,500 PSI Concrete, Add	19.41	
For 5,000 PSI Concrete, Add	22.13	
For 6,000 PSI Concrete, Add	52.40	
For 7,500 PSI Concrete, Add	130.14	
For White Cement Concrete, Add	23.29	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.23	
For High Early Strength, Type 3 ASTM C150, Add	19.41	
For Lightweight Aggregate, ASTM C330, Add	58.23	
For Up To 20, Add	20.28	
For >20 To 50, Add	7.60	
For >100 To 200, Deduct	-4.90	
For >200 To 400, Deduct	-9.79	
For >400, Deduct	-14.69	



<b>03</b>	<b>Concrete</b>
<b>03 30</b>	<b>Cast-In-Place Concrete</b>
<b>03 31</b>	<b>Structural Concrete</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 31 13 00-0051	CY	>6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab .....	232.55
		<i>For 2,000 PSI Concrete, Deduct</i>	-10.48
		<i>For 2,500 PSI Concrete, Deduct</i>	-5.24
		<i>For 3,500 PSI Concrete, Add</i>	9.70
		<i>For 3,750 PSI Concrete, Add</i>	13.20
		<i>For 4,000 PSI Concrete, Add</i>	16.69
		<i>For 4,500 PSI Concrete, Add</i>	19.41
		<i>For 5,000 PSI Concrete, Add</i>	22.13
		<i>For 6,000 PSI Concrete, Add</i>	52.40
		<i>For 7,500 PSI Concrete, Add</i>	130.14
		<i>For White Cement Concrete, Add</i>	23.29
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	25.23
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	19.41
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	58.23
		<i>For Up To 20, Add</i>	15.38
		<i>For &gt;20 To 50, Add</i>	5.77
		<i>For &gt;100 To 200, Deduct</i>	-4.65
		<i>For &gt;200 To 400, Deduct</i>	-9.30
		<i>For &gt;400, Deduct</i>	-13.95
03 31 13 00-0052	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab .....	230.93
		Note: Excludes pumping equipment.	
		<i>For 2,000 PSI Concrete, Deduct</i>	-11.35
		<i>For 2,500 PSI Concrete, Deduct</i>	-5.68
		<i>For 3,500 PSI Concrete, Add</i>	10.51
		<i>For 3,750 PSI Concrete, Add</i>	14.30
		<i>For 4,000 PSI Concrete, Add</i>	18.08
		<i>For 4,500 PSI Concrete, Add</i>	21.03
		<i>For 5,000 PSI Concrete, Add</i>	23.97
		<i>For 6,000 PSI Concrete, Add</i>	56.77
		<i>For 7,500 PSI Concrete, Add</i>	140.99
		<i>For White Cement Concrete, Add</i>	25.23
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	27.34
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	21.03
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	63.08
		<i>For Up To 20, Add</i>	8.26
		<i>For &gt;20 To 50, Add</i>	3.10
		<i>For &gt;100 To 200, Deduct</i>	-4.62
		<i>For &gt;200 To 400, Deduct</i>	-9.24
		<i>For &gt;400, Deduct</i>	-13.86
03 31 13 00-0053	CY	>6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab .....	225.95
		Note: Excludes pumping equipment.	
		<i>For 2,000 PSI Concrete, Deduct</i>	-11.35
		<i>For 2,500 PSI Concrete, Deduct</i>	-5.68
		<i>For 3,500 PSI Concrete, Add</i>	10.51
		<i>For 3,750 PSI Concrete, Add</i>	14.30
		<i>For 4,000 PSI Concrete, Add</i>	18.08
		<i>For 4,500 PSI Concrete, Add</i>	21.03
		<i>For 5,000 PSI Concrete, Add</i>	23.97
		<i>For 6,000 PSI Concrete, Add</i>	56.77
		<i>For 7,500 PSI Concrete, Add</i>	140.99
		<i>For White Cement Concrete, Add</i>	25.23
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	27.34
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	21.03
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	63.08
		<i>For Up To 20, Add</i>	6.27
		<i>For &gt;20 To 50, Add</i>	2.35
		<i>For &gt;100 To 200, Deduct</i>	-4.52
		<i>For &gt;200 To 400, Deduct</i>	-9.04
		<i>For &gt;400, Deduct</i>	-13.56

**03 31 13 00-0054** Place Concrete Columns (03 31 13 00-0045)

03 31 13 00-0055	CY	12" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns .....	310.38
		<i>For 2,000 PSI Concrete, Deduct</i>	-10.48
		<i>For 2,500 PSI Concrete, Deduct</i>	-5.24
		<i>For 3,500 PSI Concrete, Add</i>	9.71
		<i>For 3,750 PSI Concrete, Add</i>	13.20
		<i>For 4,000 PSI Concrete, Add</i>	16.69
		<i>For 4,500 PSI Concrete, Add</i>	19.41
		<i>For 5,000 PSI Concrete, Add</i>	22.13
		<i>For 6,000 PSI Concrete, Add</i>	52.41
		<i>For 7,500 PSI Concrete, Add</i>	130.14
		<i>For White Cement Concrete, Add</i>	23.29
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	25.23
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	19.41
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	58.23
		<i>For Up To 20, Add</i>	46.51
		<i>For &gt;20 To 50, Add</i>	17.44
		<i>For &gt;100 To 200, Deduct</i>	-6.21
		<i>For &gt;200 To 400, Deduct</i>	-12.42
		<i>For &gt;400, Deduct</i>	-18.62



<b>Concrete</b>	<b>03</b>	<b>03</b>
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0056 CY 18" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns .....	278.61	
For 2,000 PSI Concrete, Deduct	-10.48	
For 2,500 PSI Concrete, Deduct	-5.24	
For 3,500 PSI Concrete, Add	9.70	
For 3,750 PSI Concrete, Add	13.20	
For 4,000 PSI Concrete, Add	16.69	
For 4,500 PSI Concrete, Add	19.41	
For 5,000 PSI Concrete, Add	22.13	
For 6,000 PSI Concrete, Add	52.40	
For 7,500 PSI Concrete, Add	130.14	
For White Cement Concrete, Add	23.29	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.23	
For High Early Strength, Type 3 ASTM C150, Add	19.41	
For Lightweight Aggregate, ASTM C330, Add	58.23	
For Up To 20, Add	33.81	
For >20 To 50, Add	12.68	
For >100 To 200, Deduct	-5.57	
For >200 To 400, Deduct	-11.14	
For >400, Deduct	-16.72	
03 31 13 00-0057 CY 24" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns .....	255.89	
For 2,000 PSI Concrete, Deduct	-10.48	
For 2,500 PSI Concrete, Deduct	-5.24	
For 3,500 PSI Concrete, Add	9.70	
For 3,750 PSI Concrete, Add	13.20	
For 4,000 PSI Concrete, Add	16.69	
For 4,500 PSI Concrete, Add	19.41	
For 5,000 PSI Concrete, Add	22.13	
For 6,000 PSI Concrete, Add	52.40	
For 7,500 PSI Concrete, Add	130.14	
For White Cement Concrete, Add	23.29	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.23	
For High Early Strength, Type 3 ASTM C150, Add	19.41	
For Lightweight Aggregate, ASTM C330, Add	58.23	
For Up To 20, Add	24.72	
For >20 To 50, Add	9.27	
For >100 To 200, Deduct	-5.12	
For >200 To 400, Deduct	-10.24	
For >400, Deduct	-15.35	
03 31 13 00-0058 CY 36" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns .....	245.78	
For 2,000 PSI Concrete, Deduct	-10.48	
For 2,500 PSI Concrete, Deduct	-5.24	
For 3,500 PSI Concrete, Add	9.71	
For 3,750 PSI Concrete, Add	13.20	
For 4,000 PSI Concrete, Add	16.69	
For 4,500 PSI Concrete, Add	19.41	
For 5,000 PSI Concrete, Add	22.13	
For 6,000 PSI Concrete, Add	52.41	
For 7,500 PSI Concrete, Add	130.14	
For White Cement Concrete, Add	23.29	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.23	
For High Early Strength, Type 3 ASTM C150, Add	19.41	
For Lightweight Aggregate, ASTM C330, Add	58.23	
For Up To 20, Add	20.67	
For >20 To 50, Add	7.75	
For >100 To 200, Deduct	-4.92	
For >200 To 400, Deduct	-9.83	
For >400, Deduct	-14.75	
03 31 13 00-0059 CY 12" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns .....	257.69	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-11.35	
For 2,500 PSI Concrete, Deduct	-5.68	
For 3,500 PSI Concrete, Add	10.51	
For 3,750 PSI Concrete, Add	14.30	
For 4,000 PSI Concrete, Add	18.08	
For 4,500 PSI Concrete, Add	21.03	
For 5,000 PSI Concrete, Add	23.97	
For 6,000 PSI Concrete, Add	56.77	
For 7,500 PSI Concrete, Add	140.99	
For White Cement Concrete, Add	25.23	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	27.34	
For High Early Strength, Type 3 ASTM C150, Add	21.03	
For Lightweight Aggregate, ASTM C330, Add	63.08	
For Up To 20, Add	18.97	
For >20 To 50, Add	7.11	
For >100 To 200, Deduct	-5.15	
For >200 To 400, Deduct	-10.31	
For >400, Deduct	-15.46	

<b>03</b>	<b>Concrete</b>
<b>03 30</b>	<b>Cast-In-Place Concrete</b>
<b>03 31</b>	<b>Structural Concrete</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 31 13 00-0060	CY	18" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns .....	244.73	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-11.35	
		For 2,500 PSI Concrete, Deduct	-5.68	
		For 3,500 PSI Concrete, Add	10.51	
		For 3,750 PSI Concrete, Add	14.30	
		For 4,000 PSI Concrete, Add	18.08	
		For 4,500 PSI Concrete, Add	21.03	
		For 5,000 PSI Concrete, Add	23.97	
		For 6,000 PSI Concrete, Add	56.77	
		For 7,500 PSI Concrete, Add	140.99	
		For White Cement Concrete, Add	25.23	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	27.34	
		For High Early Strength, Type 3 ASTM C150, Add	21.03	
		For Lightweight Aggregate, ASTM C330, Add	63.08	
		For Up To 20, Add	13.78	
		For >20 To 50, Add	5.17	
		For >100 To 200, Deduct	-4.89	
		For >200 To 400, Deduct	-9.79	
		For >400, Deduct	-14.68	
03 31 13 00-0061	CY	24" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns .....	235.47	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-11.35	
		For 2,500 PSI Concrete, Deduct	-5.68	
		For 3,500 PSI Concrete, Add	10.51	
		For 3,750 PSI Concrete, Add	14.30	
		For 4,000 PSI Concrete, Add	18.08	
		For 4,500 PSI Concrete, Add	21.03	
		For 5,000 PSI Concrete, Add	23.97	
		For 6,000 PSI Concrete, Add	56.77	
		For 7,500 PSI Concrete, Add	140.99	
		For White Cement Concrete, Add	25.23	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	27.34	
		For High Early Strength, Type 3 ASTM C150, Add	21.03	
		For Lightweight Aggregate, ASTM C330, Add	63.08	
		For Up To 20, Add	10.08	
		For >20 To 50, Add	3.78	
		For >100 To 200, Deduct	-4.71	
		For >200 To 400, Deduct	-9.42	
		For >400, Deduct	-14.13	
03 31 13 00-0062	CY	36" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns .....	231.34	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-11.35	
		For 2,500 PSI Concrete, Deduct	-5.68	
		For 3,500 PSI Concrete, Add	10.51	
		For 3,750 PSI Concrete, Add	14.30	
		For 4,000 PSI Concrete, Add	18.08	
		For 4,500 PSI Concrete, Add	21.03	
		For 5,000 PSI Concrete, Add	23.97	
		For 6,000 PSI Concrete, Add	56.77	
		For 7,500 PSI Concrete, Add	140.99	
		For White Cement Concrete, Add	25.23	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	27.34	
		For High Early Strength, Type 3 ASTM C150, Add	21.03	
		For Lightweight Aggregate, ASTM C330, Add	63.08	
		For Up To 20, Add	8.43	
		For >20 To 50, Add	3.16	
		For >100 To 200, Deduct	-4.63	
		For >200 To 400, Deduct	-9.25	
		For >400, Deduct	-13.88	
03 31 13 00-0063		Place Concrete Walls <small>(03 31 13 00-0045)</small> .....	303.10	
03 31 13 00-0064	CY	8" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls .....	303.10	
		For 2,000 PSI Concrete, Deduct	-10.48	
		For 2,500 PSI Concrete, Deduct	-5.24	
		For 3,500 PSI Concrete, Add	9.70	
		For 3,750 PSI Concrete, Add	13.20	
		For 4,000 PSI Concrete, Add	16.69	
		For 4,500 PSI Concrete, Add	19.41	
		For 5,000 PSI Concrete, Add	22.13	
		For 6,000 PSI Concrete, Add	52.40	
		For 7,500 PSI Concrete, Add	130.14	
		For White Cement Concrete, Add	23.29	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.23	
		For High Early Strength, Type 3 ASTM C150, Add	19.41	
		For Lightweight Aggregate, ASTM C330, Add	58.23	
		For Up To 20, Add	43.60	
		For >20 To 50, Add	16.35	
		For >100 To 200, Deduct	-6.06	
		For >200 To 400, Deduct	-12.12	
		For >400, Deduct	-18.19	



<b>Concrete</b>	<b>03</b>	<b>03</b>
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0065 CY 12" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls.....	294.07	
For 2,000 PSI Concrete, Deduct	-10.48	
For 2,500 PSI Concrete, Deduct	-5.24	
For 3,500 PSI Concrete, Add	9.70	
For 3,750 PSI Concrete, Add	13.20	
For 4,000 PSI Concrete, Add	16.69	
For 4,500 PSI Concrete, Add	19.41	
For 5,000 PSI Concrete, Add	22.13	
For 6,000 PSI Concrete, Add	52.40	
For 7,500 PSI Concrete, Add	130.14	
For White Cement Concrete, Add	23.29	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.23	
For High Early Strength, Type 3 ASTM C150, Add	19.41	
For Lightweight Aggregate, ASTM C330, Add	58.23	
For Up To 20, Add	39.99	
For >20 To 50, Add	15.00	
For >100 To 200, Deduct	-5.88	
For >200 To 400, Deduct	-11.76	
For >400, Deduct	-17.64	
03 31 13 00-0066 CY 15" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls.....	270.40	
For 2,000 PSI Concrete, Deduct	-10.48	
For 2,500 PSI Concrete, Deduct	-5.24	
For 3,500 PSI Concrete, Add	9.70	
For 3,750 PSI Concrete, Add	13.20	
For 4,000 PSI Concrete, Add	16.69	
For 4,500 PSI Concrete, Add	19.41	
For 5,000 PSI Concrete, Add	22.13	
For 6,000 PSI Concrete, Add	52.40	
For 7,500 PSI Concrete, Add	130.14	
For White Cement Concrete, Add	23.29	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.23	
For High Early Strength, Type 3 ASTM C150, Add	19.41	
For Lightweight Aggregate, ASTM C330, Add	58.23	
For Up To 20, Add	30.52	
For >20 To 50, Add	11.45	
For >100 To 200, Deduct	-5.41	
For >200 To 400, Deduct	-10.82	
For >400, Deduct	-16.22	
03 31 13 00-0067 CY 8" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls.....	240.76	
For 2,000 PSI Concrete, Deduct	-10.48	
For 2,500 PSI Concrete, Deduct	-5.24	
For 3,500 PSI Concrete, Add	9.70	
For 3,750 PSI Concrete, Add	13.20	
For 4,000 PSI Concrete, Add	16.69	
For 4,500 PSI Concrete, Add	19.41	
For 5,000 PSI Concrete, Add	22.13	
For 6,000 PSI Concrete, Add	52.40	
For 7,500 PSI Concrete, Add	130.14	
For White Cement Concrete, Add	23.29	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.23	
For High Early Strength, Type 3 ASTM C150, Add	19.41	
For Lightweight Aggregate, ASTM C330, Add	58.23	
For Up To 20, Add	18.67	
For >20 To 50, Add	7.00	
For >100 To 200, Deduct	-4.82	
For >200 To 400, Deduct	-9.63	
For >400, Deduct	-14.45	
03 31 13 00-0068 CY 12" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls.....	231.43	
For 2,000 PSI Concrete, Deduct	-10.48	
For 2,500 PSI Concrete, Deduct	-5.24	
For 3,500 PSI Concrete, Add	9.70	
For 3,750 PSI Concrete, Add	13.20	
For 4,000 PSI Concrete, Add	16.69	
For 4,500 PSI Concrete, Add	19.41	
For 5,000 PSI Concrete, Add	22.13	
For 6,000 PSI Concrete, Add	52.40	
For 7,500 PSI Concrete, Add	130.14	
For White Cement Concrete, Add	23.29	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.23	
For High Early Strength, Type 3 ASTM C150, Add	19.41	
For Lightweight Aggregate, ASTM C330, Add	58.23	
For Up To 20, Add	14.94	
For >20 To 50, Add	5.60	
For >100 To 200, Deduct	-4.63	
For >200 To 400, Deduct	-9.26	
For >400, Deduct	-13.89	

<b>03</b>	<b>Concrete</b>
<b>03 30</b>	<b>Cast-In-Place Concrete</b>
<b>03 31</b>	<b>Structural Concrete</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 31 13 00-0069	CY	15" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	.....	226.76	
		<i>For 2,000 PSI Concrete, Deduct</i>		-10.48	
		<i>For 2,500 PSI Concrete, Deduct</i>		-5.24	
		<i>For 3,500 PSI Concrete, Add</i>		9.70	
		<i>For 3,750 PSI Concrete, Add</i>		13.20	
		<i>For 4,000 PSI Concrete, Add</i>		16.69	
		<i>For 4,500 PSI Concrete, Add</i>		19.41	
		<i>For 5,000 PSI Concrete, Add</i>		22.13	
		<i>For 6,000 PSI Concrete, Add</i>		52.40	
		<i>For 7,500 PSI Concrete, Add</i>		130.14	
		<i>For White Cement Concrete, Add</i>		23.29	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>		25.23	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>		19.41	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>		58.23	
		<i>For Up To 20, Add</i>		13.07	
		<i>For &gt;20 To 50, Add</i>		4.90	
		<i>For &gt;100 To 200, Deduct</i>		-4.54	
		<i>For &gt;200 To 400, Deduct</i>		-9.07	
		<i>For &gt;400, Deduct</i>		-13.61	
03 31 13 00-0070	CY	8" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	.....	254.72	
		Note: Excludes pumping equipment.			
		<i>For 2,000 PSI Concrete, Deduct</i>		-11.35	
		<i>For 2,500 PSI Concrete, Deduct</i>		-5.68	
		<i>For 3,500 PSI Concrete, Add</i>		10.51	
		<i>For 3,750 PSI Concrete, Add</i>		14.30	
		<i>For 4,000 PSI Concrete, Add</i>		18.08	
		<i>For 4,500 PSI Concrete, Add</i>		21.03	
		<i>For 5,000 PSI Concrete, Add</i>		23.97	
		<i>For 6,000 PSI Concrete, Add</i>		56.77	
		<i>For 7,500 PSI Concrete, Add</i>		140.99	
		<i>For White Cement Concrete, Add</i>		25.23	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>		27.34	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>		21.03	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>		63.08	
		<i>For Up To 20, Add</i>		17.78	
		<i>For &gt;20 To 50, Add</i>		6.67	
		<i>For &gt;100 To 200, Deduct</i>		-5.09	
		<i>For &gt;200 To 400, Deduct</i>		-10.19	
		<i>For &gt;400, Deduct</i>		-15.28	
03 31 13 00-0071	CY	12" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	.....	245.83	
		Note: Excludes pumping equipment.			
		<i>For 2,000 PSI Concrete, Deduct</i>		-11.35	
		<i>For 2,500 PSI Concrete, Deduct</i>		-5.68	
		<i>For 3,500 PSI Concrete, Add</i>		10.51	
		<i>For 3,750 PSI Concrete, Add</i>		14.30	
		<i>For 4,000 PSI Concrete, Add</i>		18.08	
		<i>For 4,500 PSI Concrete, Add</i>		21.03	
		<i>For 5,000 PSI Concrete, Add</i>		23.97	
		<i>For 6,000 PSI Concrete, Add</i>		56.77	
		<i>For 7,500 PSI Concrete, Add</i>		140.99	
		<i>For White Cement Concrete, Add</i>		25.23	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>		27.34	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>		21.03	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>		63.08	
		<i>For Up To 20, Add</i>		14.22	
		<i>For &gt;20 To 50, Add</i>		5.33	
		<i>For &gt;100 To 200, Deduct</i>		-4.92	
		<i>For &gt;200 To 400, Deduct</i>		-9.83	
		<i>For &gt;400, Deduct</i>		-14.75	
03 31 13 00-0072	CY	15" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	.....	241.38	
		Note: Excludes pumping equipment.			
		<i>For 2,000 PSI Concrete, Deduct</i>		-11.35	
		<i>For 2,500 PSI Concrete, Deduct</i>		-5.68	
		<i>For 3,500 PSI Concrete, Add</i>		10.51	
		<i>For 3,750 PSI Concrete, Add</i>		14.30	
		<i>For 4,000 PSI Concrete, Add</i>		18.08	
		<i>For 4,500 PSI Concrete, Add</i>		21.03	
		<i>For 5,000 PSI Concrete, Add</i>		23.97	
		<i>For 6,000 PSI Concrete, Add</i>		56.77	
		<i>For 7,500 PSI Concrete, Add</i>		140.99	
		<i>For White Cement Concrete, Add</i>		25.23	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>		27.34	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>		21.03	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>		63.08	
		<i>For Up To 20, Add</i>		12.44	
		<i>For &gt;20 To 50, Add</i>		4.67	
		<i>For &gt;100 To 200, Deduct</i>		-4.83	
		<i>For &gt;200 To 400, Deduct</i>		-9.66	
		<i>For &gt;400, Deduct</i>		-14.48	

03 31 13 00-0073 Place Elevated Concrete Stairs (03 31 13 00-0045)



<b>Concrete</b>	<b>03</b>	<b>03</b>
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0074 CY Crane And Bucket, Place 3,000 PSI Elevated Concrete Stairs .....	414.47	
For 2,000 PSI Concrete, Deduct	-10.48	
For 2,500 PSI Concrete, Deduct	-5.24	
For 3,500 PSI Concrete, Add	9.70	
For 3,750 PSI Concrete, Add	13.20	
For 4,000 PSI Concrete, Add	16.69	
For 4,500 PSI Concrete, Add	19.41	
For 5,000 PSI Concrete, Add	22.13	
For 6,000 PSI Concrete, Add	52.40	
For 7,500 PSI Concrete, Add	130.14	
For White Cement Concrete, Add	23.29	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.23	
For High Early Strength, Type 3 ASTM C150, Add	19.41	
For Lightweight Aggregate, ASTM C330, Add	58.23	
For Up To 20, Add	88.15	
For >20 To 50, Add	33.06	
For >100 To 200, Deduct	-8.29	
For >200 To 400, Deduct	-16.58	
For >400, Deduct	-24.87	
03 31 13 00-0075 CY Direct Chute, Place 3,000 PSI Elevated Concrete Stairs.....	288.45	
For 2,000 PSI Concrete, Deduct	-10.48	
For 2,500 PSI Concrete, Deduct	-5.24	
For 3,500 PSI Concrete, Add	9.71	
For 3,750 PSI Concrete, Add	13.20	
For 4,000 PSI Concrete, Add	16.69	
For 4,500 PSI Concrete, Add	19.41	
For 5,000 PSI Concrete, Add	22.13	
For 6,000 PSI Concrete, Add	52.41	
For 7,500 PSI Concrete, Add	130.14	
For White Cement Concrete, Add	23.29	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.23	
For High Early Strength, Type 3 ASTM C150, Add	19.41	
For Lightweight Aggregate, ASTM C330, Add	58.23	
For Up To 20, Add	37.74	
For >20 To 50, Add	14.15	
For >100 To 200, Deduct	-5.77	
For >200 To 400, Deduct	-11.54	
For >400, Deduct	-17.31	
03 31 13 00-0076 CY Concrete Pump, Place 3,000 PSI Elevated Concrete Stairs.....	288.90	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-11.35	
For 2,500 PSI Concrete, Deduct	-5.68	
For 3,500 PSI Concrete, Add	10.51	
For 3,750 PSI Concrete, Add	14.30	
For 4,000 PSI Concrete, Add	18.08	
For 4,500 PSI Concrete, Add	21.03	
For 5,000 PSI Concrete, Add	23.97	
For 6,000 PSI Concrete, Add	56.77	
For 7,500 PSI Concrete, Add	140.99	
For White Cement Concrete, Add	25.23	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	27.34	
For High Early Strength, Type 3 ASTM C150, Add	21.03	
For Lightweight Aggregate, ASTM C330, Add	63.08	
For Up To 20, Add	31.45	
For >20 To 50, Add	11.79	
For >100 To 200, Deduct	-5.78	
For >200 To 400, Deduct	-11.56	
For >400, Deduct	-17.33	
<b>03 31 13 00-0077 Place Concrete Coping (03 31 13 00-0045)</b>		
03 31 13 00-0078 CY Crane And Bucket, Place 3,000 PSI Concrete Coping .....	422.10	
For 2,000 PSI Concrete, Deduct	-10.48	
For 2,500 PSI Concrete, Deduct	-5.24	
For 3,500 PSI Concrete, Add	9.71	
For 3,750 PSI Concrete, Add	13.20	
For 4,000 PSI Concrete, Add	16.69	
For 4,500 PSI Concrete, Add	19.41	
For 5,000 PSI Concrete, Add	22.13	
For 6,000 PSI Concrete, Add	52.41	
For 7,500 PSI Concrete, Add	130.14	
For White Cement Concrete, Add	23.29	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	25.23	
For High Early Strength, Type 3 ASTM C150, Add	19.41	
For Lightweight Aggregate, ASTM C330, Add	58.23	
For Up To 20, Add	91.20	
For >20 To 50, Add	34.20	
For >100 To 200, Deduct	-8.44	
For >200 To 400, Deduct	-16.88	
For >400, Deduct	-25.33	

<b>03</b>	<b>Concrete</b>
<b>03 30</b>	<b>Cast-In-Place Concrete</b>
<b>03 31</b>	<b>Structural Concrete</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 31 13 00-0079	CY	Direct Chute, Place 3,000 PSI Concrete Coping .....	287.82	
		<i>For 2,000 PSI Concrete, Deduct</i>	-10.48	
		<i>For 2,500 PSI Concrete, Deduct</i>	-5.24	
		<i>For 3,500 PSI Concrete, Add</i>	9.71	
		<i>For 3,750 PSI Concrete, Add</i>	13.20	
		<i>For 4,000 PSI Concrete, Add</i>	16.69	
		<i>For 4,500 PSI Concrete, Add</i>	19.41	
		<i>For 5,000 PSI Concrete, Add</i>	22.13	
		<i>For 6,000 PSI Concrete, Add</i>	52.41	
		<i>For 7,500 PSI Concrete, Add</i>	130.14	
		<i>For White Cement Concrete, Add</i>	23.29	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	25.23	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	19.41	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	58.23	
		<i>For Up To 20, Add</i>	37.49	
		<i>For &gt;20 To 50, Add</i>	14.06	
		<i>For &gt;100 To 200, Deduct</i>	-5.76	
		<i>For &gt;200 To 400, Deduct</i>	-11.51	
		<i>For &gt;400, Deduct</i>	-17.27	
03 31 13 00-0080	CY	Concrete Pump, Place 3,000 PSI Concrete Coping.....	352.22	
		Note: Excludes pumping equipment.		
		<i>For 2,000 PSI Concrete, Deduct</i>	-11.35	
		<i>For 2,500 PSI Concrete, Deduct</i>	-5.68	
		<i>For 3,500 PSI Concrete, Add</i>	10.51	
		<i>For 3,750 PSI Concrete, Add</i>	14.30	
		<i>For 4,000 PSI Concrete, Add</i>	18.08	
		<i>For 4,500 PSI Concrete, Add</i>	21.03	
		<i>For 5,000 PSI Concrete, Add</i>	23.97	
		<i>For 6,000 PSI Concrete, Add</i>	56.77	
		<i>For 7,500 PSI Concrete, Add</i>	140.99	
		<i>For White Cement Concrete, Add</i>	25.23	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	27.34	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	21.03	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	63.08	
		<i>For Up To 20, Add</i>	56.78	
		<i>For &gt;20 To 50, Add</i>	21.29	
		<i>For &gt;100 To 200, Deduct</i>	-7.04	
		<i>For &gt;200 To 400, Deduct</i>	-14.09	
		<i>For &gt;400, Deduct</i>	-21.13	
03 31 13 00-0081		<b>Concrete Carts</b> <small>(03 31 13 00-0010)</small>		
		Note: Used to place concrete were necessary.		
03 31 13 00-0082	CY	50' Haul, Non Motorized, Concrete Buggy .....	10.91	
03 31 13 00-0083	CY	150' Haul, Non Motorized, Concrete Buggy .....	14.61	
03 31 13 00-0084	CY	250' Haul, Non Motorized, Concrete Buggy .....	19.48	
03 31 13 00-0085	CY	50' Haul, Motorized, Concrete Buggy .....	5.49	
03 31 13 00-0086	CY	150' Haul, Motorized, Concrete Buggy.....	7.34	
03 31 13 00-0087	CY	250' Haul, Motorized, Concrete Buggy.....	9.80	
03 31 13 00-0088		<b>Delivery Fee For Small Purchases</b> <small>(03 31 13)</small>		
03 31 13 00-0089	CY	Delivery Fee For Concrete Purchases Per CY For Each CY Less Than 9 CY .....	18.61	
		Note: The task quantity is 9 minus the number of CY's delivered. For example, the delivery fee for 2CY's is: (9-2) = 7.		
03 31 13 00-0090		<b>Equipment Pads</b> <small>(03 31 13)</small>		
03 31 13 00-0091		<b>Small Concrete Equipment Housekeeping Pad Assemblies</b> <small>(03 31 13 00-0090)</small>		
		Note: Includes forms, hand mix concrete, finish, curing and reinforcing. For up to 50 SF per pad and up to 5 pads per project.		
03 31 13 00-0092	SF	4" Equipment Pad With Welded Wire Reinforcement .....	11.28	
03 31 13 00-0093	SF	4" Equipment Pad With Rebar .....	14.20	
03 31 13 00-0094	SF	6" Equipment Pad With Rebar .....	18.12	
03 31 13 00-0095	SF	8" Equipment Pad With Rebar .....	22.78	
<b>03 35</b>		<b>Concrete Finishing</b> <small>(03 30)</small>		
<b>03 35 13</b>		<b>High-Tolerance Concrete Floor Finishing</b> <small>(03 35)</small>		
03 35 13 00-0001		<b>Floor Finishes</b> <small>(03 35 13)</small>		
		Note: Task is for final finish type and includes all required prior finishes.		
03 35 13 00-0002	SF	Screed, Concrete Floor Finish .....	0.52	
		<i>For Up To 100, Add</i>	1.04	
		<i>For &gt;100 To 250, Add</i>	0.26	
		<i>For &gt;250 To 500, Add</i>	0.13	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.03	
		<i>For &gt;10,000, Deduct</i>	-0.05	



<b>Concrete</b>	<b>03</b>	<b>03</b>
Cast-In-Place Concrete	03 30	
Concrete Finishing	03 35	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 13 00-0003 SF Darby, Concrete Floor Finish.....	0.62	
For Up To 100, Add	1.24	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.16	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000, Deduct	-0.06	
03 35 13 00-0004 SF Broom, Concrete Floor Finish.....	0.69	
For Up To 100, Add	1.38	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.17	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000, Deduct	-0.07	
03 35 13 00-0005 SF Final Float, Concrete Floor Finish.....	0.81	
For Up To 100, Add	1.62	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.20	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000, Deduct	-0.08	
03 35 13 00-0006 SF Steel Trowel, Concrete Floor Finish.....	0.91	
For Up To 100, Add	1.82	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.23	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000, Deduct	-0.09	
<b>03 35 16 Heavy-Duty Concrete Floor Finishing (03 35)</b>		
03 35 16 00-0001 Shake On Floor Hardeners (03 35 16)		
03 35 16 00-0002 SF 0.3 LB/SF, Metallic, Shake On Floor Hardener.....	0.83	
03 35 16 00-0003 SF 0.65 LB/SF, Metallic, Shake On Floor Hardener.....	1.41	
03 35 16 00-0004 SF 0.3 LB/SF, Non Metallic, Shake On Floor Hardener.....	0.75	
03 35 16 00-0005 SF 0.65 LB/SF, Non Metallic, Shake On Floor Hardener.....	1.03	
<b>03 35 19 Colored Concrete Finishing (03 35)</b>		
03 35 19 00-0001 Concrete Surface Treatments (03 35 19)		
03 35 19 00-0002 SF Acrylic Latex Bonding Agent.....	0.25	
03 35 19 00-0003 SF Epoxy Resin Bonding Agent.....	1.66	
03 35 19 00-0004 SF Clear Acrylic Sealer, Hardener And Dustproofers.....	0.20	
03 35 19 00-0005 SF Colored Acrylic Sealer, Hardener And Dustproofers.....	0.21	
<b>03 35 23 Exposed Aggregate Concrete Finishing (03 35)</b>		
03 35 23 00-0001 Exposed Aggregate, Concrete Finish (03 35 23)		
03 35 23 00-0002 SF Exposed Aggregate, Concrete Floor Finish.....	1.50	
<b>03 35 26 Grooved Concrete Surface Finishing (03 35)</b>		
03 35 26 00-0001 Ramp, Grooved Concrete Surface Finishing (03 35 26)		
03 35 26 00-0002 SF Ramp, Grooved Concrete Surface Finishing.....	2.32	
<b>03 35 29 Tooled Concrete Finishing (03 35)</b>		
03 35 29 00-0001 Marblecrete Finishes (03 35 29)		
03 35 29 00-0002 SF 2" Thick Marblecrete And Finish.....	44.08	
03 35 29 00-0003 SF 4" Thick Marblecrete And Finish.....	58.92	
<b>03 35 33 Stamped Concrete Finishing (03 35)</b>		
03 35 33 00-0001 Stamped Concrete Finishes (03 35 33)		
03 35 33 00-0002 SF Up To 2,500 SF Stamped Concrete Finish.....	2.10	
03 35 33 00-0003 SF >2,500 To 10,000 SF Stamped Concrete Finish.....	1.91	
03 35 33 00-0004 SF >10,000 SF Stamped Concrete Finish.....	1.83	
<b>03 35 43 Polished Concrete Finishing (03 35)</b>		
03 35 43 00-0001 Concrete Floor Polishing System (03 35 43)		
Note: The floor polishing system below may consist of one or multiple applications of each task/step below depending on existing conditions and desired results.		
03 35 43 00-0002 SF Mechanically Grind Concrete Floor With 40 Grit Metal Bonded Diamond Wheels.....	0.97	
For Up To 500, Add	1.88	
For >500 To 1,000, Add	1.75	
For >1,000 To 2,500, Add	1.15	
For >2,500 To 4,000, Add	0.60	
For >8,000 To 15,000, Deduct	-0.23	
For >15,000 To 25,000, Deduct	-0.30	
For >25,000, Deduct	-0.42	



<b>03</b>	<b>Concrete</b>
<b>03 30</b>	<b>Cast-In-Place Concrete</b>
<b>03 35</b>	<b>Concrete Finishing</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 43 00-0003	SF		Mechanically Grind Concrete Floor With 80 Grit Metal Bonded Diamond Wheels.....	0.78	
			For Up To 500, Add	1.51	
			For >500 To 1,000, Add	1.40	
			For >1,000 To 2,500, Add	0.93	
			For >2,500 To 4,000, Add	0.48	
			For >8,000 To 15,000, Deduct	-0.19	
			For >15,000 To 25,000, Deduct	-0.24	
			For >25,000, Deduct	-0.34	
03 35 43 00-0004	SF		Mechanically Grind Concrete Floor With 100 Grit Resin Bonded Diamond Wheels .....	0.64	
			For Up To 500, Add	1.24	
			For >500 To 1,000, Add	1.15	
			For >1,000 To 2,500, Add	0.76	
			For >2,500 To 4,000, Add	0.40	
			For >8,000 To 15,000, Deduct	-0.15	
			For >15,000 To 25,000, Deduct	-0.20	
			For >25,000, Deduct	-0.28	
03 35 43 00-0005	SF		Mechanically Grind Concrete Floor With 150 Grit Metal Bonded Diamond Wheels.....	0.60	
			For Up To 500, Add	1.16	
			For >500 To 1,000, Add	1.08	
			For >1,000 To 2,500, Add	0.71	
			For >2,500 To 4,000, Add	0.37	
			For >8,000 To 15,000, Deduct	-0.14	
			For >15,000 To 25,000, Deduct	-0.18	
			For >25,000, Deduct	-0.26	
03 35 43 00-0006	SF		Mechanically Grind Concrete Floor With 200 Grit Resin Bonded Diamond Wheels .....	0.55	
			For Up To 500, Add	1.07	
			For >500 To 1,000, Add	0.99	
			For >1,000 To 2,500, Add	0.65	
			For >2,500 To 4,000, Add	0.34	
			For >8,000 To 15,000, Deduct	-0.13	
			For >15,000 To 25,000, Deduct	-0.17	
			For >25,000, Deduct	-0.24	
03 35 43 00-0007	SF		Mechanically Grind Concrete Floor With 400 Grit Resin Bonded Diamond Wheels .....	0.55	
			For Up To 500, Add	1.07	
			For >500 To 1,000, Add	0.99	
			For >1,000 To 2,500, Add	0.65	
			For >2,500 To 4,000, Add	0.34	
			For >8,000 To 15,000, Deduct	-0.13	
			For >15,000 To 25,000, Deduct	-0.17	
			For >25,000, Deduct	-0.24	
03 35 43 00-0008	SF		Mechanically Grind Concrete Floor With 800 Grit Resin Bonded Diamond Wheels .....	0.55	
			For Up To 500, Add	1.07	
			For >500 To 1,000, Add	0.99	
			For >1,000 To 2,500, Add	0.65	
			For >2,500 To 4,000, Add	0.34	
			For >8,000 To 15,000, Deduct	-0.13	
			For >15,000 To 25,000, Deduct	-0.17	
			For >25,000, Deduct	-0.24	
03 35 43 00-0009	SF		Mechanically Grind Concrete Floor With 1,500 Grit Resin Bonded Diamond Wheels .....	0.55	
			For Up To 500, Add	1.07	
			For >500 To 1,000, Add	0.99	
			For >1,000 To 2,500, Add	0.65	
			For >2,500 To 4,000, Add	0.34	
			For >8,000 To 15,000, Deduct	-0.13	
			For >15,000 To 25,000, Deduct	-0.17	
			For >25,000, Deduct	-0.24	
03 35 43 00-0010	SF		High Speed Burnish Concrete Floor With Diamond Pads.....	0.11	
			For Up To 500, Add	0.21	
			For >500 To 1,000, Add	0.20	
			For >1,000 To 2,500, Add	0.13	
			For >2,500 To 4,000, Add	0.07	
			For >8,000 To 15,000, Deduct	-0.03	
			For >15,000 To 25,000, Deduct	-0.03	
			For >25,000, Deduct	-0.05	
03 35 43 00-0011	SF		Apply 1 Coat Of Concrete Densifier.....	0.15	
			For Up To 500, Add	0.29	
			For >500 To 1,000, Add	0.27	
			For >1,000 To 2,500, Add	0.18	
			For >2,500 To 4,000, Add	0.09	
			For >8,000 To 15,000, Deduct	-0.04	
			For >15,000 To 25,000, Deduct	-0.05	
			For >25,000, Deduct	-0.06	
03 35 43 00-0012	SF		Apply 2 Coats Of Concrete Densifier With Stain Protector .....	0.15	
			For Up To 500, Add	0.29	
			For >500 To 1,000, Add	0.27	
			For >1,000 To 2,500, Add	0.18	
			For >2,500 To 4,000, Add	0.09	
			For >8,000 To 15,000, Deduct	-0.04	
			For >15,000 To 25,000, Deduct	-0.05	
			For >25,000, Deduct	-0.06	



<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Cast-In-Place Concrete</b>	<b>03 30</b>	
<b>Concrete Finishing</b>	<b>03 35</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 43 00-0013 SF Concrete Floor Polishing Final Clean Up.....	0.08	
For Up To 500, Add	0.16	
For >500 To 1,000, Add	0.14	
For >1,000 To 2,500, Add	0.10	
For >2,500 To 4,000, Add	0.05	
For >4,000 To 15,000, Deduct	-0.02	
For >15,000 To 25,000, Deduct	-0.02	
For >25,000, Deduct	-0.03	
<b>03 35 63 Slip-Resistant Floor Finishing (03 35)</b>		
<b>03 35 63 00-0001 Slip-Resistant Floor Finishing (03 35 63)</b>		
03 35 63 00-0002 SF Aluminum Oxide Abrasive Floor Finish, 0.25 LB/SF.....	0.83	
For Up To 100, Add	1.00	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.13	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000, Deduct	-0.05	
03 35 63 00-0003 SF Silicone Carbide Abrasive Floor Finish 0.25 LB/SF.....	0.96	
For Up To 100, Add	1.00	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.13	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000, Deduct	-0.05	
<b>03 35 66 Acid Etch Floor Finishing (03 35)</b>		
<b>03 35 66 00-0001 Acid Etch Floor (03 35 66)</b>		
03 35 66 00-0002 SF Concrete Floor Finishes, Etch With Acid And Rinse.....	0.86	
For Up To 100, Add	0.48	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.06	
For >5,000 To 10,000, Deduct	-0.01	
For >10,000, Deduct	-0.02	
<b>03 35 83 Concrete Wall Finishing (03 35)</b>		
<b>03 35 83 00-0001 Wall Finishes (03 35 83)</b>		
03 35 83 00-0002 SF Burlap Rub With Grout, New Concrete Wall Finishes.....	0.97	
For Up To 100, Add	1.72	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.22	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000, Deduct	-0.09	
03 35 83 00-0003 SF 1/16" Float Finish, New Concrete Wall Finishes.....	1.48	
For Up To 100, Add	2.62	
For >100 To 250, Add	0.66	
For >250 To 500, Add	0.33	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000, Deduct	-0.13	
03 35 83 00-0004 SF Etch With Acid And Rinse, New Concrete Wall Finishes.....	0.91	
For Up To 100, Add	0.58	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >5,000 To 10,000, Deduct	-0.01	
For >10,000, Deduct	-0.03	
03 35 83 00-0005 SF Bush Hammer Green Concrete, New Concrete Wall Finishes.....	2.82	
For Up To 100, Add	5.52	
For >100 To 250, Add	1.38	
For >250 To 500, Add	0.69	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000, Deduct	-0.28	
03 35 83 00-0006 SF Bush Hammer Cured Concrete, New Concrete Wall Finishes.....	4.37	
For Up To 100, Add	8.52	
For >100 To 250, Add	2.13	
For >250 To 500, Add	1.07	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000, Deduct	-0.43	
03 35 83 00-0007 SF Break Ties And Patch, New Concrete Wall Finishes.....	0.61	
For Up To 100, Add	0.94	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.12	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000, Deduct	-0.05	
03 35 83 00-0008 SF Carborundum Dry Rub, New Concrete Wall Finishes.....	1.88	
For Up To 100, Add	3.48	
For >100 To 250, Add	0.87	
For >250 To 500, Add	0.44	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000, Deduct	-0.17	

<b>03</b>	<b>Concrete</b>
<b>03 30</b>	<b>Cast-In-Place Concrete</b>
<b>03 35</b>	<b>Concrete Finishing</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 83 00-0009	SF		Carborundum Wet Rub, New Concrete Wall Finishes .....	2.82	
			For Up To 100, Add	5.36	
			For >100 To 250, Add	1.34	
			For >250 To 500, Add	0.67	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000, Deduct	-0.27	
03 35 83 00-0010	SF		Up To 1/4" Penetration Sand Blasting, New Concrete Wall Finishes.....	1.80	
			For Up To 100, Add	2.82	
			For >100 To 250, Add	0.71	
			For >250 To 500, Add	0.35	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000, Deduct	-0.14	
03 35 83 00-0011	SF		>1/4" To 1/2" Penetration Sand Blasting, New Concrete Wall Finishes.....	4.89	
			For Up To 100, Add	8.22	
			For >100 To 250, Add	2.06	
			For >250 To 500, Add	1.03	
			For >5,000 To 10,000, Deduct	-0.21	
			For >10,000, Deduct	-0.41	

### 03 37 Specialty Placed Concrete (03 30)

Note: Includes gun finish. Not to be used for pumping concrete tasks. See CSI section 03 35 00 00-0000 for finishing.

#### 03 37 13 Shotcrete (03 37)

##### 03 37 13 00-0001 Shotcrete, Fiber Reinforced, Structural Repair (03 37 13)

03 37 13 00-0002	SF		1" Thick Shotcrete, Fiber Reinforced .....	4.64	
			For Up To 25, Add	0.60	
			For >25 To 50, Add	0.32	
			For >50 To 150, Add	0.07	
03 37 13 00-0003	SF		2" Thick Shotcrete, Fiber Reinforced .....	9.12	
			For Up To 25, Add	1.16	
			For >25 To 50, Add	0.62	
			For >50 To 150, Add	0.13	
03 37 13 00-0004	SF		3" Thick Shotcrete, Fiber Reinforced .....	13.41	
			For Up To 25, Add	1.68	
			For >25 To 50, Add	0.89	
			For >50 To 150, Add	0.17	
03 37 13 00-0005	SF		4" Thick Shotcrete, Fiber Reinforced .....	17.59	
			For Up To 25, Add	2.16	
			For >25 To 50, Add	1.15	
			For >50 To 150, Add	0.20	
03 37 13 00-0006	SF		6" Thick Shotcrete, Fiber Reinforced .....	25.62	
			For Up To 25, Add	3.05	
			For >25 To 50, Add	1.61	
			For >50 To 150, Add	0.25	

##### 03 37 13 00-0007 Gunite (Dry Mix Shotcrete), Sprayed (03 37 13)

03 37 13 00-0008	SF		1" Thick Gunite (Dry Mix Shotcrete), Sprayed .....	3.81	
			For Radius Or Irregular Surface, Add	0.51	
			For Up To 25, Add	0.57	
			For >25 To 50, Add	0.32	
			For >50 To 150, Add	0.10	
03 37 13 00-0009	SF		2" Thick Gunite (Dry Mix Shotcrete), Sprayed .....	7.36	
			For Radius Or Irregular Surface, Add	0.92	
			For Up To 25, Add	1.08	
			For >25 To 50, Add	0.60	
			For >50 To 150, Add	0.17	
03 37 13 00-0010	SF		3" Thick Gunite (Dry Mix Shotcrete), Sprayed .....	10.69	
			For Radius Or Irregular Surface, Add	1.24	
			For Up To 25, Add	1.53	
			For >25 To 50, Add	0.84	
			For >50 To 150, Add	0.23	
03 37 13 00-0011	SF		4" Thick Gunite (Dry Mix Shotcrete), Sprayed .....	13.85	
			For Radius Or Irregular Surface, Add	1.48	
			For Up To 25, Add	1.94	
			For >25 To 50, Add	1.06	
			For >50 To 150, Add	0.28	
03 37 13 00-0012	SF		5" Thick Gunite (Dry Mix Shotcrete), Sprayed .....	16.85	
			For Radius Or Irregular Surface, Add	1.67	
			For Up To 25, Add	2.31	
			For >25 To 50, Add	1.26	
			For >50 To 150, Add	0.31	
03 37 13 00-0013	SF		6" Thick Gunite (Dry Mix Shotcrete), Sprayed .....	19.71	
			For Radius Or Irregular Surface, Add	1.80	
			For Up To 25, Add	2.65	
			For >25 To 50, Add	1.44	
			For >50 To 150, Add	0.34	
03 37 13 00-0014	SF		8" Thick Gunite (Dry Mix Shotcrete), Sprayed .....	25.68	
			For Radius Or Irregular Surface, Add	2.16	
			For Up To 25, Add	3.38	
			For >25 To 50, Add	1.83	
			For >50 To 150, Add	0.41	



<b>Concrete</b>	<b>03</b>	<b>03</b>
Cast-In-Place Concrete	03 30	
Specialty Placed Concrete	03 37	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 37 13 00-0015	SF 10" Thick Gunitite (Dry Mix Shotcrete), Sprayed .....	31.43	
	For Radius Or Irregular Surface, Add	2.44	
	For Up To 25, Add	4.06	
	For >25 To 50, Add	2.18	
	For >50 To 150, Add	0.46	
03 37 13 00-0016	SF 12" Thick Gunitite (Dry Mix Shotcrete), Sprayed .....	36.98	
	For Radius Or Irregular Surface, Add	2.63	
	For Up To 25, Add	4.68	
	For >25 To 50, Add	2.51	
	For >50 To 150, Add	0.49	

**03 37 16 Pumped Concrete** (03 37)

**03 37 16 00-0001 Concrete Pumping With Boom Truck** (03 37 16)

Note: Includes truck rental, operator, and local travel delivery. For delivery/set-up of equipment add one hour, for clean-up of equipment add one hour. Use four hours as the minimum cost including set-up and clean-up. Excludes concrete, use "Concrete Pump" concrete tasks from appropriate section to place into pump hopper and place concrete. Sizes are measured at a 30 degree vertical reach. See CSI section 03 31 13 00-0010 for concrete placement.

03 37 16 00-0002	HR 55' To 60' Boom Truck For Concrete Placement (95 CY Per Hour Rating) .....	120.98	
03 37 16 00-0003	HR 70' To 80' Boom Truck For Concrete Placement (117 CY Per Hour Rating) .....	132.95	
03 37 16 00-0004	HR 90' To 100' Boom Truck For Concrete Placement (117 CY Per Hour Rating) .....	176.15	
03 37 16 00-0005	HR 105' To 115' Boom Truck For Concrete Placement (117 CY Per Hour Rating) .....	203.05	
03 37 16 00-0006	HR 120' To 130' Boom Truck For Concrete Placement (170 CY Per Hour Rating) .....	230.81	
03 37 16 00-0007	HR 135' To 140' Boom Truck For Concrete Placement (170 CY Per Hour Rating) .....	289.59	
03 37 16 00-0008	HR 148' To 155' Boom Truck For Concrete Placement (170 CY Per Hour Rating) .....	324.67	
03 37 16 00-0009	HR 170' To 175' Boom Truck For Concrete Placement (182 CY Per Hour Rating) .....	409.62	
03 37 16 00-0010	HR 35 CY/HR, 66 HP Trailer Mounted Concrete Pump .....	84.83	

Note: Includes hoses

**03 39 Concrete Curing** (03 30)

**03 39 13 Water Concrete Curing** (03 39)

**03 39 13 00-0001 Water Concrete Curing** (03 39 13)

03 39 13 00-0002	SF Water Based Curing, Sealing, Hardening And Dustproofing Compound .....	0.18	
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Note: Coverage rates: rough finish = 300 SF/GAL, broom finish = 300 to 400 SF/GAL, steel troweled = 500 to 600 SF/GAL, and vertical surface = 400 - 500 SF/GAL.

**03 39 23 Membrane Concrete Curing** (03 39)

**03 39 23 23 Sheet Membrane Concrete Curing** (03 39 23)

**03 39 23 23-0001 Concrete Curing Materials And Compounds** (03 39 23 23)

03 39 23 23-0002	CSF 7.5 Oz Burlap, Concrete Curing Blanket .....	22.31	
03 39 23 23-0003	CSF 9 Oz Burlap, Concrete Curing Blanket .....	19.61	
03 39 23 23-0004	CSF 12 Oz Burlap, Concrete Curing Blanket .....	25.70	
03 39 23 23-0005	CSF 2 Ply Reinforced, Concrete Curing Waterproof Paper .....	26.21	

**03 40 Precast Concrete** (03)

Note: Precast concrete material prices are based on a precast operation producing large quantities of precast products. Material prices include the concrete panel, delivery to construction site and overhead/mobilization charges for the precast plant.

**03 41 Precast Structural Concrete** (03 40)

**03 41 16 Precast Concrete Slabs** (03 41)

**03 41 16 00-0001 Flat Floor Slab/Floor Plank** (03 41 16)

**03 41 16 00-0002 Erection Costs For Using A 90 Ton Crawler Crane** (03 41 16 00-0001)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 16 00-0003	EA Erect Precast Floor Deck, 0-2 Ton/Piece 150' Maximum Radius With 90 Ton Crane .....	202.34		161.89
03 41 16 00-0004	EA Erect Precast Floor Deck, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane .....	224.93		179.92
03 41 16 00-0005	EA Erect Precast Floor Deck, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane .....	238.85		191.06
03 41 16 00-0006	EA Erect Precast Floor Deck, 4-5 Ton/Piece 88' Maximum Radius With 90 Ton Crane .....	253.20		202.57
03 41 16 00-0007	EA Erect Precast Floor Deck, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane .....	270.97		216.76
03 41 16 00-0008	EA Erect Precast Floor Deck, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane .....	289.59		231.68
03 41 16 00-0009	EA Erect Precast Floor Deck, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane .....	310.98		248.77
03 41 16 00-0010	EA Erect Precast Floor Deck, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane .....	338.22		270.56
03 41 16 00-0011	EA Erect Precast Floor Deck, 9-10 Ton/Piece 60' Maximum Radius With 90 Ton Crane .....	367.75		294.23

**03 41 16 00-0012 Material Cost** (03 41 16 00-0001)

Note: Includes cost for 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations cost.

**03 Concrete****03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 16 00-0013 SF 4" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	23.82	
For 3,500 PSI Concrete, Add	0.48	
For 4,000 PSI Concrete, Add	0.71	
For 4,500 PSI Concrete, Add	0.95	
For 5,000 PSI Concrete, Add	1.43	
03 41 16 00-0014 SF 5" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	28.58	
For 3,500 PSI Concrete, Add	0.57	
For 4,000 PSI Concrete, Add	0.86	
For 4,500 PSI Concrete, Add	1.14	
For 5,000 PSI Concrete, Add	1.71	
03 41 16 00-0015 SF 6" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	34.93	
For 3,500 PSI Concrete, Add	0.70	
For 4,000 PSI Concrete, Add	1.05	
For 4,500 PSI Concrete, Add	1.40	
For 5,000 PSI Concrete, Add	2.10	
03 41 16 00-0016 SF 8" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	46.36	
For 3,500 PSI Concrete, Add	0.93	
For 4,000 PSI Concrete, Add	1.39	
For 4,500 PSI Concrete, Add	1.85	
For 5,000 PSI Concrete, Add	2.78	
<b>03 41 16 00-0017 Floor Units, Combination Beam And Slab (03 41 16)</b>		
<b>03 41 16 00-0018 Erection Costs For Using 90 Ton Crawler Crane (03 41 16 00-0017)</b>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 16 00-0019 EA Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 88' Maximum Radius With 90 Ton Crane .....	250.13	200.10
03 41 16 00-0020 EA Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 60' Maximum Radius With 90 Ton Crane .....	272.63	218.13
03 41 16 00-0021 EA Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 43' Maximum Radius With 90 Ton Crane.....	301.33	241.03
03 41 16 00-0022 EA Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 36' Maximum Radius With 90 Ton Crane.....	334.60	267.65
03 41 16 00-0023 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 31' Maximum Radius With 90 Ton Crane.....	376.11	300.86
<b>03 41 16 00-0024 Erection Costs Using A 125 Ton Crawler Crane (03 41 16 00-0017)</b>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 16 00-0025 EA Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 110' Maximum Radius, 125 Ton Crane.....	327.35	261.90
03 41 16 00-0026 EA Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 75' Maximum Radius, 125 Ton Crane.....	356.79	285.42
03 41 16 00-0027 EA Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 55' Maximum Radius, 125 Ton Crane.....	394.35	315.51
03 41 16 00-0028 EA Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 50' Maximum Radius, 125 Ton Crane.....	437.89	350.32
03 41 16 00-0029 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 40' Maximum Radius, 125 Ton Crane.....	492.22	393.82
03 41 16 00-0030 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 33' Maximum Radius, 125 Ton Crane.....	535.19	428.12
03 41 16 00-0031 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 30' Maximum Radius, 125 Ton Crane.....	591.52	473.22
03 41 16 00-0032 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 28' Maximum Radius, 125 Ton Crane.....	654.70	523.79
03 41 16 00-0033 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 26' Maximum Radius, 125 Ton Crane.....	741.04	592.83
<b>03 41 16 00-0034 Material Cost (03 41 16 00-0017)</b>		
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operation.		
<b>03 41 16 00-0035 4" Slab (03 41 16 00-0034)</b>		
03 41 16 00-0036 CY Precast Combination Deck, 4" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	2,508.74	
For 3,500 PSI Concrete, Add	50.17	
For 4,000 PSI Concrete, Add	75.26	
For 4,500 PSI Concrete, Add	100.35	
For 5,000 PSI Concrete, Add	150.52	
03 41 16 00-0037 CY Precast Combination Deck, 4" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	2,540.50	
For 3,500 PSI Concrete, Add	50.81	
For 4,000 PSI Concrete, Add	76.22	
For 4,500 PSI Concrete, Add	101.62	
For 5,000 PSI Concrete, Add	152.43	
03 41 16 00-0038 CY Precast Combination Deck, 4" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	2,858.06	
For 3,500 PSI Concrete, Add	57.16	
For 4,000 PSI Concrete, Add	85.74	
For 4,500 PSI Concrete, Add	114.32	
For 5,000 PSI Concrete, Add	171.48	
<b>03 41 16 00-0039 5" Slab (03 41 16 00-0034)</b>		
03 41 16 00-0040 CY Precast Combination Deck, 5" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	2,572.25	
For 3,500 PSI Concrete, Add	51.45	
For 4,000 PSI Concrete, Add	77.17	
For 4,500 PSI Concrete, Add	102.89	
For 5,000 PSI Concrete, Add	154.34	
03 41 16 00-0041 CY Precast Combination Deck, 5" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	2,667.52	
For 3,500 PSI Concrete, Add	53.35	
For 4,000 PSI Concrete, Add	80.03	
For 4,500 PSI Concrete, Add	106.70	
For 5,000 PSI Concrete, Add	160.05	



<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Precast Concrete</b>	<b>03 40</b>	
<b>Precast Structural Concrete</b>	<b>03 41</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 16 00-0042 CY Precast Combination Deck, 5" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	3,397.92	
<i>For 3,500 PSI Concrete, Add</i>	67.96	
<i>For 4,000 PSI Concrete, Add</i>	101.94	
<i>For 4,500 PSI Concrete, Add</i>	135.92	
<i>For 5,000 PSI Concrete, Add</i>	203.88	
<b>03 41 16 00-0043 6" Slab</b> <small>(03 41 16 00-0034)</small>		
03 41 16 00-0044 CY Precast Combination Deck, 6" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	2,667.52	
<i>For 3,500 PSI Concrete, Add</i>	53.35	
<i>For 4,000 PSI Concrete, Add</i>	80.03	
<i>For 4,500 PSI Concrete, Add</i>	106.70	
<i>For 5,000 PSI Concrete, Add</i>	160.05	
03 41 16 00-0045 CY Precast Combination Deck, 6" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	3,175.62	
<i>For 3,500 PSI Concrete, Add</i>	63.51	
<i>For 4,000 PSI Concrete, Add</i>	95.27	
<i>For 4,500 PSI Concrete, Add</i>	127.02	
<i>For 5,000 PSI Concrete, Add</i>	190.54	
03 41 16 00-0046 CY Precast Combination Deck, 6" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	3,874.26	
<i>For 3,500 PSI Concrete, Add</i>	77.49	
<i>For 4,000 PSI Concrete, Add</i>	116.23	
<i>For 4,500 PSI Concrete, Add</i>	154.97	
<i>For 5,000 PSI Concrete, Add</i>	232.46	
<b>03 41 19 Precast Concrete Wall Panels</b> <small>(03 41)</small>		
03 41 19 00-0001 Structural Wall Panels <small>(03 41 19)</small>		
Note: Gray, smooth form or board finish one side.		
03 41 19 00-0002 Erection Cost Using 50 Ton Hydraulic Crane <small>(03 41 19 00-0001)</small>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0003 EA Erect Precast Wall Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	197.70	158.17
03 41 19 00-0004 EA Erect Precast Wall Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	219.77	175.79
03 41 19 00-0005 EA Erect Precast Wall Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	247.39	197.92
03 41 19 00-0006 EA Erect Precast Wall Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	264.76	211.79
03 41 19 00-0007 EA Erect Precast Wall Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	282.95	226.36
03 41 19 00-0008 EA Erect Precast Wall Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	303.84	243.06
03 41 19 00-0009 EA Erect Precast Wall Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	330.46	264.35
03 41 19 00-0010 EA Erect Precast Wall Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane.....	359.31	287.48
03 41 19 00-0011 Erection Cost Using 90 Ton Crawler Crane <small>(03 41 19 00-0001)</small>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0012 EA Erect Precast Wall Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane.....	225.00	179.99
03 41 19 00-0013 EA Erect Precast Wall Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	250.13	200.10
03 41 19 00-0014 EA Erect Precast Wall Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	281.56	225.29
03 41 19 00-0015 EA Erect Precast Wall Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	301.33	241.03
03 41 19 00-0016 EA Erect Precast Wall Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	322.05	257.63
03 41 19 00-0017 EA Erect Precast Wall Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane.....	345.82	276.67
03 41 19 00-0018 EA Erect Precast Wall Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane.....	376.11	300.86
03 41 19 00-0019 EA Erect Precast Wall Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane.....	408.95	327.13
03 41 19 00-0020 EA Erect Precast Wall Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane.....	451.99	361.62
03 41 19 00-0021 EA Erect Precast Wall Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane.....	500.26	400.19
03 41 19 00-0022 EA Erect Precast Wall Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane.....	566.23	453.01
03 41 19 00-0023 EA Erect Precast Wall Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane.....	644.08	515.27
03 41 19 00-0024 EA Erect Precast Wall Panel 35-40 Ton/Piece 23' Maximum Radius With 90 Ton Crane.....	746.77	597.43
03 41 19 00-0025 Material Cost <small>(03 41 19 00-0001)</small>		
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.		
03 41 19 00-0026 SF 4" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	31.76	
<i>For 3,500 PSI Concrete, Add</i>	0.64	
<i>For 4,000 PSI Concrete, Add</i>	0.95	
<i>For 4,500 PSI Concrete, Add</i>	1.27	
<i>For 5,000 PSI Concrete, Add</i>	1.91	
<i>For White Facing, Add</i>	6.35	
<i>For Solid White Through Thickness, Add</i>	6.35	
<i>For Broken Rib Finish, Add</i>	3.18	
<i>For Fluted Surface, Add</i>	3.18	
<i>For Exposed Aggregate, Add</i>	6.35	
<i>For Sandblasting Of Surface, Add</i>	3.18	
<i>For 2" Polystyrene Insulation, Add</i>	1.15	

**03 Concrete****03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0027	SF		5" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	39.06	
			<i>For 3,500 PSI Concrete, Add</i>	0.78	
			<i>For 4,000 PSI Concrete, Add</i>	1.17	
			<i>For 4,500 PSI Concrete, Add</i>	1.56	
			<i>For 5,000 PSI Concrete, Add</i>	2.34	
			<i>For White Facing, Add</i>	7.81	
			<i>For Solid White Through Thickness, Add</i>	7.81	
			<i>For Broken Rib Finish, Add</i>	3.91	
			<i>For Fluted Surface, Add</i>	3.91	
			<i>For Exposed Aggregate, Add</i>	7.81	
			<i>For Sandblasting Of Surface, Add</i>	3.91	
			<i>For 2" Polystyrene Insulation, Add</i>	1.15	
03 41 19 00-0028	SF		6" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	47.00	
			<i>For 3,500 PSI Concrete, Add</i>	0.94	
			<i>For 4,000 PSI Concrete, Add</i>	1.41	
			<i>For 4,500 PSI Concrete, Add</i>	1.88	
			<i>For 5,000 PSI Concrete, Add</i>	2.82	
			<i>For White Facing, Add</i>	9.40	
			<i>For Solid White Through Thickness, Add</i>	9.40	
			<i>For Broken Rib Finish, Add</i>	4.70	
			<i>For Fluted Surface, Add</i>	4.70	
			<i>For Exposed Aggregate, Add</i>	9.40	
			<i>For Sandblasting Of Surface, Add</i>	4.70	
			<i>For 2" Polystyrene Insulation, Add</i>	1.15	
03 41 19 00-0029	SF		8" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	61.92	
			<i>For 3,500 PSI Concrete, Add</i>	1.24	
			<i>For 4,000 PSI Concrete, Add</i>	1.86	
			<i>For 4,500 PSI Concrete, Add</i>	2.48	
			<i>For 5,000 PSI Concrete, Add</i>	3.72	
			<i>For White Facing, Add</i>	12.38	
			<i>For Solid White Through Thickness, Add</i>	12.38	
			<i>For Broken Rib Finish, Add</i>	6.19	
			<i>For Fluted Surface, Add</i>	6.19	
			<i>For Exposed Aggregate, Add</i>	12.38	
			<i>For Sandblasting Of Surface, Add</i>	6.19	
			<i>For 2" Polystyrene Insulation, Add</i>	1.15	
03 41 19 00-0030			<b>Partition Panels</b> (03 41 19)		
03 41 19 00-0031			<b>Erection Costs Using 20 Ton Hydraulic Crane</b> (03 41 19 00-0030)		
			Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0032	EA		Erect Precast Partition Wall 0-1 Ton/Piece 69' Maximum Radius With 20 Ton Crane.....	161.96	129.54
03 41 19 00-0033	EA		Erect Precast Partition Wall 1-2 Ton/Piece 50' Maximum Radius With 20 Ton Crane.....	180.04	144.05
03 41 19 00-0034	EA		Erect Precast Partition Wall 2-3 Ton/Piece 41' Maximum Radius With 20 Ton Crane.....	202.67	162.13
03 41 19 00-0035	EA		Erect Precast Partition Wall 3-4 Ton/Piece 33' Maximum Radius With 20 Ton Crane.....	231.80	185.44
03 41 19 00-0036	EA		Erect Precast Partition Wall 4-5 Ton/Piece 30' Maximum Radius With 20 Ton Crane.....	248.91	199.15
03 41 19 00-0037	EA		Erect Precast Partition Wall 5-6 Ton/Piece 26' Maximum Radius With 20 Ton Crane.....	270.72	216.57
03 41 19 00-0038	EA		Erect Precast Partition Wall 6-7 Ton/Piece 23' Maximum Radius With 20 Ton Crane.....	294.35	235.51
03 41 19 00-0039	EA		Erect Precast Partition Wall 7-8 Ton/Piece 20' Maximum Radius With 20 Ton Crane.....	325.33	260.28
03 41 19 00-0040			<b>Erection Costs Using 50 Ton Hydraulic Crane</b> (03 41 19 00-0030)		
			Note: Includes handling, hoisting in place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0041	EA		Erect Precast Partition Wall 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	197.70	158.17
03 41 19 00-0042	EA		Erect Precast Partition Wall 1-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane.....	219.77	175.79
03 41 19 00-0043	EA		Erect Precast Partition Wall 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	247.39	197.92
03 41 19 00-0044	EA		Erect Precast Partition Wall 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane.....	282.95	226.36
03 41 19 00-0045	EA		Erect Precast Partition Wall 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	303.84	243.06
03 41 19 00-0046	EA		Erect Precast Partition Wall 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane.....	330.46	264.35
03 41 19 00-0047	EA		Erect Precast Partition Wall 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	359.31	287.48
03 41 19 00-0048	EA		Erect Precast Partition Wall 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane.....	397.13	317.69
03 41 19 00-0049	EA		Erect Precast Partition Wall 8-10 Ton/Piece 31' Maximum Radius With 50 Ton Crane.....	439.54	351.64
03 41 19 00-0050	EA		Erect Precast Partition Wall 10-12 Ton/Piece 26' Maximum Radius With 50 Ton Crane.....	497.50	397.97
03 41 19 00-0051	EA		Erect Precast Partition Wall 12-14 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	565.91	452.72
03 41 19 00-0052	EA		Erect Precast Partition Wall 14-16 Ton/Piece 21' Maximum Radius With 50 Ton Crane.....	656.12	524.88
03 41 19 00-0053			<b>Material Cost</b> (03 41 19 00-0030)		
			Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.		
03 41 19 00-0054	SF		4" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	30.17	
			<i>For 4,000 PSI Concrete, Add</i>	0.91	
			<i>For 4,500 PSI Concrete, Add</i>	1.21	
			<i>For 5,000 PSI Concrete, Add</i>	1.81	
			<i>For White Facing, Add</i>	6.03	
			<i>For Solid White Through Thickness, Add</i>	6.03	
			<i>For Broken Rib Finish, Add</i>	3.02	
			<i>For Fluted Surface, Add</i>	3.02	
			<i>For Exposed Aggregate, Add</i>	6.03	
			<i>For Sandblasting Of Surface, Add</i>	3.02	



<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Precast Concrete</b>	<b>03 40</b>	
<b>Precast Structural Concrete</b>	<b>03 41</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0055 SF 5" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	37.15	
For 4,000 PSI Concrete, Add	1.11	
For 4,500 PSI Concrete, Add	1.49	
For 5,000 PSI Concrete, Add	2.23	
For White Facing, Add	7.43	
For Solid White Through Thickness, Add	7.43	
For Broken Rib Finish, Add	3.72	
For Fluted Surface, Add	3.72	
For Exposed Aggregate, Add	7.43	
For Sandblasting Of Surface, Add	3.72	
03 41 19 00-0056 SF 6" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	44.46	
For 4,000 PSI Concrete, Add	1.33	
For 4,500 PSI Concrete, Add	1.78	
For 5,000 PSI Concrete, Add	2.67	
For White Facing, Add	8.89	
For Solid White Through Thickness, Add	8.89	
For Broken Rib Finish, Add	4.45	
For Fluted Surface, Add	4.45	
For Exposed Aggregate, Add	8.89	
For Sandblasting Of Surface, Add	4.45	
03 41 19 00-0057 SF 8" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	58.75	
For 4,000 PSI Concrete, Add	1.76	
For 4,500 PSI Concrete, Add	2.35	
For 5,000 PSI Concrete, Add	3.53	
For White Facing, Add	11.75	
For Solid White Through Thickness, Add	11.75	
For Broken Rib Finish, Add	5.88	
For Fluted Surface, Add	5.88	
For Exposed Aggregate, Add	11.75	
For Sandblasting Of Surface, Add	5.88	
<b>03 41 19 00-0058 Cladding Panels (03 41 19)</b>		
<b>03 41 19 00-0059 Erection Costs Using 50 Ton Hydraulic Crane (03 41 19 00-0058)</b>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0060 EA Erect Precast Cladding 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	208.63	166.87
03 41 19 00-0061 EA Erect Precast Cladding 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	233.37	186.68
03 41 19 00-0062 EA Erect Precast Cladding 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	264.76	211.79
03 41 19 00-0063 EA Erect Precast Cladding 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	282.95	226.36
03 41 19 00-0064 EA Erect Precast Cladding 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	303.84	243.06
03 41 19 00-0065 EA Erect Precast Cladding 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	330.46	264.35
03 41 19 00-0066 EA Erect Precast Cladding 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	359.31	287.48
03 41 19 00-0067 EA Erect Precast Cladding 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane.....	397.13	317.69
<b>03 41 19 00-0068 Erection Costs Using 90 Ton Crawler Crane (03 41 19 00-0058)</b>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0069 EA Erect Precast Cladding 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane.....	237.45	189.94
03 41 19 00-0070 EA Erect Precast Cladding 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	265.60	212.48
03 41 19 00-0071 EA Erect Precast Cladding 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	301.33	241.03
03 41 19 00-0072 EA Erect Precast Cladding 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	322.05	257.63
03 41 19 00-0073 EA Erect Precast Cladding 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	345.82	276.67
03 41 19 00-0074 EA Erect Precast Cladding 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane.....	376.11	300.86
03 41 19 00-0075 EA Erect Precast Cladding 11-13 Ton/Piece 43' Maximum Radius With 90 Ton Crane.....	408.95	327.13
03 41 19 00-0076 EA Erect Precast Cladding 13-15 Ton/Piece 33' Maximum Radius With 90 Ton Crane.....	451.99	361.62
03 41 19 00-0077 EA Erect Precast Cladding 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane.....	500.26	400.19
03 41 19 00-0078 EA Erect Precast Cladding 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane.....	566.23	453.01
03 41 19 00-0079 EA Erect Precast Cladding 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane.....	644.08	515.27
03 41 19 00-0080 EA Erect Precast Cladding 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane.....	746.77	597.43
<b>03 41 19 00-0081 Material Cost (03 41 19 00-0058)</b>		
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.		
03 41 19 00-0082 SF 4" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	30.17	
For 3,500 PSI Concrete, Add	0.60	
For 4,000 PSI Concrete, Add	0.91	
For 4,500 PSI Concrete, Add	1.21	
For 5,000 PSI Concrete, Add	1.81	
For White Facing, Add	6.03	
For Solid White Through Thickness, Add	6.03	
For Broken Rib Finish, Add	3.02	
For Fluted Surface, Add	3.02	
For Exposed Aggregate, Add	6.03	
For Sandblasting Of Surface, Add	3.02	



**03 Concrete****03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0083	SF		5" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	37.15	
			For 3,500 PSI Concrete, Add	0.74	
			For 4,000 PSI Concrete, Add	1.11	
			For 4,500 PSI Concrete, Add	1.49	
			For 5,000 PSI Concrete, Add	2.23	
			For White Facing, Add	7.43	
			For Solid White Through Thickness, Add	7.43	
			For Broken Rib Finish, Add	3.72	
			For Fluted Surface, Add	3.72	
			For Exposed Aggregate, Add	7.43	
			For Sandblasting Of Surface, Add	3.72	
03 41 19 00-0084	SF		6" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	44.46	
			For 3,500 PSI Concrete, Add	0.89	
			For 4,000 PSI Concrete, Add	1.33	
			For 4,500 PSI Concrete, Add	1.78	
			For 5,000 PSI Concrete, Add	2.67	
			For White Facing, Add	8.89	
			For Solid White Through Thickness, Add	8.89	
			For Broken Rib Finish, Add	4.45	
			For Fluted Surface, Add	4.45	
			For Exposed Aggregate, Add	8.89	
			For Sandblasting Of Surface, Add	4.45	
03 41 19 00-0085	SF		8" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	58.75	
			For 3,500 PSI Concrete, Add	1.18	
			For 4,000 PSI Concrete, Add	1.76	
			For 4,500 PSI Concrete, Add	2.35	
			For 5,000 PSI Concrete, Add	3.53	
			For White Facing, Add	11.75	
			For Solid White Through Thickness, Add	11.75	
			For Broken Rib Finish, Add	5.88	
			For Fluted Surface, Add	5.88	
			For Exposed Aggregate, Add	11.75	
			For Sandblasting Of Surface, Add	5.88	
03 41 19 00-0086			<b>Sandwich Panel</b> (03 41 19)		
03 41 19 00-0087			<b>Erection Costs Using 50 Ton Hydraulic Crane</b> (03 41 19 00-0086)		
			Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0088	EA		Erect Precast Sandwich Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane .....	208.63	166.87
03 41 19 00-0089	EA		Erect Precast Sandwich Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane .....	233.37	186.68
03 41 19 00-0090	EA		Erect Precast Sandwich Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane .....	264.76	211.79
03 41 19 00-0091	EA		Erect Precast Sandwich Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane .....	282.95	226.36
03 41 19 00-0092	EA		Erect Precast Sandwich Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane .....	303.84	243.06
03 41 19 00-0093	EA		Erect Precast Sandwich Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane .....	330.46	264.35
03 41 19 00-0094	EA		Erect Precast Sandwich Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane .....	359.31	287.48
03 41 19 00-0095	EA		Erect Precast Sandwich Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane .....	397.13	317.69
03 41 19 00-0096			<b>Erection Costs Using 90 Ton Crawler Crane</b> (03 41 19 00-0086)		
			Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0097	EA		Erect Precast Sandwich Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane .....	213.53	170.79
03 41 19 00-0098	EA		Erect Precast Sandwich Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane .....	238.85	191.06
03 41 19 00-0099	EA		Erect Precast Sandwich Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane .....	270.97	216.76
03 41 19 00-0100	EA		Erect Precast Sandwich Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane .....	289.59	231.68
03 41 19 00-0101	EA		Erect Precast Sandwich Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane .....	310.98	248.77
03 41 19 00-0102	EA		Erect Precast Sandwich Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane .....	338.22	270.56
03 41 19 00-0103	EA		Erect Precast Sandwich Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane .....	367.75	294.23
03 41 19 00-0104	EA		Erect Precast Sandwich Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane .....	406.45	325.15
03 41 19 00-0105	EA		Erect Precast Sandwich Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane .....	449.86	359.90
03 41 19 00-0106	EA		Erect Precast Sandwich Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane .....	509.18	407.32
03 41 19 00-0107	EA		Erect Precast Sandwich Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane .....	579.20	463.35
03 41 19 00-0108	EA		Erect Precast Sandwich Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane .....	671.53	537.20
03 41 19 00-0109			<b>Material Cost</b> (03 41 19 00-0086)		
			Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations. Sandwich panel consists of 2.5" cladding panel, 2" fiber board insulation and the structural panel as defined.		
03 41 19 00-0110	SF		4" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect .....	41.28	
			For 3,500 PSI Concrete, Add	0.83	
			For 4,000 PSI Concrete, Add	1.24	
			For 4,500 PSI Concrete, Add	1.65	
			For 5,000 PSI Concrete, Add	2.48	
			For White Facing, Add	8.26	
			For Solid White Through Thickness, Add	8.26	
			For Broken Rib Finish, Add	4.13	
			For Fluted Surface, Add	4.13	
			For Exposed Aggregate, Add	8.26	
			For Sandblasting Of Surface, Add	4.13	



<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Precast Concrete</b>	<b>03 40</b>	
<b>Precast Structural Concrete</b>	<b>03 41</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0111 SF 5" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect .....	48.59	
For 3,500 PSI Concrete, Add	0.97	
For 4,000 PSI Concrete, Add	1.46	
For 4,500 PSI Concrete, Add	1.94	
For 5,000 PSI Concrete, Add	2.92	
For White Facing, Add	9.72	
For Solid White Through Thickness, Add	9.72	
For Broken Rib Finish, Add	4.86	
For Fluted Surface, Add	4.86	
For Exposed Aggregate, Add	9.72	
For Sandblasting Of Surface, Add	4.86	
03 41 19 00-0112 SF 6" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect .....	56.53	
For 3,500 PSI Concrete, Add	1.13	
For 4,000 PSI Concrete, Add	1.70	
For 4,500 PSI Concrete, Add	2.26	
For 5,000 PSI Concrete, Add	3.39	
For White Facing, Add	11.31	
For Solid White Through Thickness, Add	11.31	
For Broken Rib Finish, Add	5.65	
For Fluted Surface, Add	5.65	
For Exposed Aggregate, Add	11.31	
For Sandblasting Of Surface, Add	5.65	
03 41 19 00-0113 SF 8" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect .....	71.45	
For 3,500 PSI Concrete, Add	1.43	
For 4,000 PSI Concrete, Add	2.14	
For 4,500 PSI Concrete, Add	2.86	
For 5,000 PSI Concrete, Add	4.29	
For White Facing, Add	14.29	
For Solid White Through Thickness, Add	14.29	
For Broken Rib Finish, Add	7.15	
For Fluted Surface, Add	7.15	
For Exposed Aggregate, Add	14.29	
For Sandblasting Of Surface, Add	7.15	

**03 41 23 Precast Concrete Stairs (03 41)**

**03 41 23 00-0001 Erection Costs Using A 50 Ton Hydraulic Crane (03 41 23)**

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 23 00-0002 EA Erect Precast Stairs, 0-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane.....	219.77	175.79
03 41 23 00-0003 EA Erect Precast Stairs, 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	233.37	186.68
03 41 23 00-0004 EA Erect Precast Stairs, 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane.....	247.39	197.92
03 41 23 00-0005 EA Erect Precast Stairs, 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	264.76	211.79
03 41 23 00-0006 EA Erect Precast Stairs, 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane.....	282.95	226.36
03 41 23 00-0007 EA Erect Precast Stairs, 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	303.84	243.06
03 41 23 00-0008 EA Erect Precast Stairs, 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane.....	330.46	264.35
03 41 23 00-0009 EA Erect Precast Stairs, 8-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	359.31	287.48

**03 41 23 00-0010 Erection Costs Using A 90 Ton Crawler Crane (03 41 23)**

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 23 00-0011 EA Erect Precast Stairs, 0-2 Ton/Piece 151' Maximum Radius With 90 Ton Crane.....	219.77	175.79
03 41 23 00-0012 EA Erect Precast Stairs, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	233.37	186.68
03 41 23 00-0013 EA Erect Precast Stairs, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane.....	247.39	197.92
03 41 23 00-0014 EA Erect Precast Stairs, 4-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	264.76	211.79
03 41 23 00-0015 EA Erect Precast Stairs, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane.....	282.95	226.36
03 41 23 00-0016 EA Erect Precast Stairs, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	303.84	243.06
03 41 23 00-0017 EA Erect Precast Stairs, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane.....	330.46	264.35
03 41 23 00-0018 EA Erect Precast Stairs, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	359.31	287.48

**03 41 23 00-0019 Material Cost (03 41 23)**

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast operations.

03 41 23 00-0020 EA 3' Wide With 10-1/2" Depth Treads Precast Concrete Stair Unit, Per Riser.....	636.43	
For 3,500 PSI Concrete, Add	83.05	
For 4,000 PSI Concrete, Add	156.05	
For 4,500 PSI Concrete, Add	229.37	
For 5,000 PSI Concrete, Add	312.04	

**03 41 26 Precast Concrete Structural Sections (03 41)**

**03 41 26 00-0001 Precast Beams, Girder And Joists (03 41 26)**

**03 41 26 00-0002 Erection Costs Using A 90 Ton Crawler Crane (03 41 26 00-0001)**

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 26 00-0003 EA Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 89' Maximum Radius, 90 Ton Crane .....	281.56	225.29
03 41 26 00-0004 EA Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 60' Maximum Radius, 90 Ton Crane .....	301.33	241.03
03 41 26 00-0005 EA Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 43' Maximum Radius, 90 Ton Crane .....	322.05	257.63
03 41 26 00-0006 EA Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 36' Maximum Radius, 90 Ton Crane .....	345.82	276.67

**03 Concrete****03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>03 41 26 00-0007</b> <b>Erection Costs Using A 125 Ton Crawler Crane</b> <small>(03 41 26 00-0001)</small>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0008 EA Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 110' Maximum Radius, 125 Ton Crane.....	368.49	294.77
03 41 26 00-0009 EA Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 75' Maximum Radius, 125 Ton Crane.....	394.35	315.51
03 41 26 00-0010 EA Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 55' Maximum Radius, 125 Ton Crane.....	421.46	337.17
03 41 26 00-0011 EA Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 50' Maximum Radius, 125 Ton Crane.....	452.58	362.03
03 41 26 00-0012 EA Erect Precast Structural Sections, 20-25 Ton/Piece Beam, Girder, Joist; 40' Maximum Radius, 125 Ton Crane.....	492.22	393.82
03 41 26 00-0013 EA Erect Precast Structural Sections, 25-30 Ton/Piece Beam, Girder, Joist; 33' Maximum Radius, 125 Ton Crane.....	535.19	428.12
03 41 26 00-0014 EA Erect Precast Structural Sections, 30-35 Ton/Piece Beam, Girder, Joist; 30' Maximum Radius, 125 Ton Crane.....	591.52	473.22
03 41 26 00-0015 EA Erect Precast Structural Sections, 35-40 Ton/Piece Beam, Girder, Joist; 28' Maximum Radius, 125 Ton Crane.....	654.70	523.79
<b>03 41 26 00-0016</b> <b>Material Cost</b> <small>(03 41 26 00-0001)</small>		
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.		
<b>03 41 26 00-0017</b> <b>1,000 LB/LF Live Load</b> <small>(03 41 26 00-0016)</small>		
03 41 26 00-0018 LF Precast Structural Sections, 1,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	127.27	
For 3,500 PSI Concrete, Add	3.47	
For 4,000 PSI Concrete, Add	5.22	
For 4,500 PSI Concrete, Add	6.95	
For 5,000 PSI Concrete, Add	10.44	
03 41 26 00-0019 LF Precast Structural Sections, 1,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	159.08	
For 3,500 PSI Concrete, Add	4.34	
For 4,000 PSI Concrete, Add	6.52	
For 4,500 PSI Concrete, Add	8.69	
For 5,000 PSI Concrete, Add	13.04	
03 41 26 00-0020 LF Precast Structural Sections, 1,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	190.90	
For 3,500 PSI Concrete, Add	5.21	
For 4,000 PSI Concrete, Add	7.83	
For 4,500 PSI Concrete, Add	10.42	
For 5,000 PSI Concrete, Add	15.65	
<b>03 41 26 00-0021</b> <b>3,000 LB/LF Live Load</b> <small>(03 41 26 00-0016)</small>		
03 41 26 00-0022 LF Precast Structural Sections, 3,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	159.08	
For 3,500 PSI Concrete, Add	4.34	
For 4,000 PSI Concrete, Add	6.52	
For 4,500 PSI Concrete, Add	8.69	
For 5,000 PSI Concrete, Add	13.04	
03 41 26 00-0023 LF Precast Structural Sections, 3,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	190.90	
For 3,500 PSI Concrete, Add	5.21	
For 4,000 PSI Concrete, Add	7.83	
For 4,500 PSI Concrete, Add	10.42	
For 5,000 PSI Concrete, Add	15.65	
03 41 26 00-0024 LF Precast Structural Sections, 3,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	254.53	
For 3,500 PSI Concrete, Add	6.95	
For 4,000 PSI Concrete, Add	10.44	
For 4,500 PSI Concrete, Add	13.90	
For 5,000 PSI Concrete, Add	20.87	
<b>03 41 26 00-0025</b> <b>5,000 LB/LF Live Load</b> <small>(03 41 26 00-0016)</small>		
03 41 26 00-0026 LF Precast Structural Sections, 5,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	222.72	
For 3,500 PSI Concrete, Add	6.08	
For 4,000 PSI Concrete, Add	9.13	
For 4,500 PSI Concrete, Add	12.16	
For 5,000 PSI Concrete, Add	18.26	
03 41 26 00-0027 LF Precast Structural Sections, 5,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	254.53	
For 3,500 PSI Concrete, Add	6.95	
For 4,000 PSI Concrete, Add	10.44	
For 4,500 PSI Concrete, Add	13.90	
For 5,000 PSI Concrete, Add	20.87	
03 41 26 00-0028 LF Precast Structural Sections, 5,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	318.17	
For 3,500 PSI Concrete, Add	8.69	
For 4,000 PSI Concrete, Add	13.04	
For 4,500 PSI Concrete, Add	17.37	
For 5,000 PSI Concrete, Add	26.09	
<b>03 41 26 00-0029</b> <b>Precast Concrete Columns</b> <small>(03 41 26)</small>		
<b>03 41 26 00-0030</b> <b>Erection Costs Using A 90 Ton Crawler Crane</b> <small>(03 41 26 00-0029)</small>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0031 EA Erect Precast Concrete Columns, 0-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane .....	162.02	129.59
03 41 26 00-0032 EA Erect Precast Concrete Columns, 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane .....	172.26	137.78
03 41 26 00-0033 EA Erect Precast Concrete Columns, 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane .....	184.61	147.70
03 41 26 00-0034 EA Erect Precast Concrete Columns, 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane .....	198.01	158.41
03 41 26 00-0035 EA Erect Precast Concrete Columns, 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane .....	213.53	170.79
03 41 26 00-0036 EA Erect Precast Concrete Columns, 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane .....	231.68	185.34
03 41 26 00-0037 EA Erect Precast Concrete Columns, 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane .....	253.20	202.57



<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Precast Concrete</b>	<b>03 40</b>	
<b>Precast Structural Concrete</b>	<b>03 41</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>03 41 26 00-0038</b> <b>Material Cost</b> <small>(03 41 26 00-0029)</small> Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast operations.		
<b>03 41 26 00-0039</b> <b>12" x 12" Column, Square, Tied</b> <small>(03 41 26 00-0038)</small>		
03 41 26 00-0040    CY    12" x 12" Precast Column, Tied, Average Reinforced 351 LB/CY .....	658.71	
For 3,500 PSI Concrete, Add	49.40	
For 4,000 PSI Concrete, Add	92.88	
For 4,500 PSI Concrete, Add	137.01	
For 5,000 PSI Concrete, Add	186.41	
<b>03 41 26 00-0041</b> <b>16" x 16" Column, Square, Tied</b> <small>(03 41 26 00-0038)</small>		
03 41 26 00-0042    CY    16" x 16" Precast Column, Tied, Average Reinforced 368 LB/CY .....	674.97	
For 3,500 PSI Concrete, Add	50.62	
For 4,000 PSI Concrete, Add	95.17	
For 4,500 PSI Concrete, Add	140.39	
For 5,000 PSI Concrete, Add	191.02	
<b>03 41 26 00-0043</b> <b>20" x 20" Column, Square, Tied</b> <small>(03 41 26 00-0038)</small>		
03 41 26 00-0044    CY    20" x 20" Precast Column, Tied, Average Reinforced 357 LB/CY .....	676.28	
For 3,500 PSI Concrete, Add	50.72	
For 4,000 PSI Concrete, Add	95.36	
For 4,500 PSI Concrete, Add	140.67	
For 5,000 PSI Concrete, Add	191.39	
<b>03 41 26 00-0045</b> <b>24" x 24" Column, Square, Tied</b> <small>(03 41 26 00-0038)</small>		
03 41 26 00-0046    CY    24" x 24" Precast Column, Tied, Average Reinforced 365 LB/CY .....	676.28	
For 3,500 PSI Concrete, Add	50.72	
For 4,000 PSI Concrete, Add	95.36	
For 4,500 PSI Concrete, Add	140.67	
For 5,000 PSI Concrete, Add	191.39	
<b>03 41 26 00-0047</b> <b>28" x 28" Column, Square, Tied</b> <small>(03 41 26 00-0038)</small>		
03 41 26 00-0048    CY    28" x 28" Precast Column, Tied, Average Reinforced 347 LB/CY .....	676.28	
For 3,500 PSI Concrete, Add	50.72	
For 4,000 PSI Concrete, Add	95.36	
For 4,500 PSI Concrete, Add	140.67	
For 5,000 PSI Concrete, Add	191.39	
<b>03 41 26 00-0049</b> <b>32" x 32" Column, Square, Tied</b> <small>(03 41 26 00-0038)</small>		
03 41 26 00-0050    CY    32" x 32" Precast Column, Tied, Average Reinforced 351 LB/CY .....	674.97	
For 3,500 PSI Concrete, Add	50.62	
For 4,000 PSI Concrete, Add	95.17	
For 4,500 PSI Concrete, Add	140.39	
For 5,000 PSI Concrete, Add	191.02	
<b>03 41 26 00-0051</b> <b>36" x 36" Column, Square, Tied</b> <small>(03 41 26 00-0038)</small>		
03 41 26 00-0052    CY    36" x 36" Precast Column, Tied, Average Reinforced 278 LB/CY .....	676.28	
For 3,500 PSI Concrete, Add	50.72	
For 4,000 PSI Concrete, Add	95.36	
For 4,500 PSI Concrete, Add	140.67	
For 5,000 PSI Concrete, Add	191.39	
<b>03 41 33</b> <b>Precast Structural Pretensioned Concrete</b> <small>(03 41)</small>		
<b>03 41 33 00-0001</b> <b>Slabs, Roof And Floor Members</b> <small>(03 41 33)</small>		
03 41 33 00-0002    SF    4" Thick Precast Prestressed Slab, 12-16' Span Roof/Floor.....	12.87	1.27
03 41 33 00-0003    SF    6" Thick Precast Prestressed Slab, 16-25' Span Roof/Floor.....	16.16	1.27
03 41 33 00-0004    SF    8" Thick Precast Prestressed Slab, 25-32' Span Roof/Floor.....	19.46	1.34
03 41 33 00-0005    SF    10" Thick Precast Prestressed Slab, 32-40' Span Roof/Floor.....	22.76	1.40
<b>03 41 33 00-0006</b> <b>Tee Members</b> <small>(03 41 33)</small>		
<b>03 41 33 00-0007</b> <b>Multiple Tee, Roof And Floor</b> <small>(03 41 33 00-0006)</small>		
03 41 33 00-0008    SF    Prestressed Multiple Tee, Roof And Floor Members .....	29.47	1.66
<b>03 41 33 00-0009</b> <b>Double Tee Wall Member</b> <small>(03 41 33 00-0006)</small>		
03 41 33 00-0010    SF    Prestressed Double Tee Wall Members Precast Concrete, <40' Span.....	40.66	4.52
<b>03 41 33 00-0011</b> <b>Single Tee, Short Span, Roof Members</b> <small>(03 41 33 00-0006)</small>		
03 41 33 00-0012    SF    Prestressed Single Tee, Short Span Roof Precast Concrete Members, <40' Span.....	34.27	2.74

**03 Concrete****03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 00-0013			<b>Single Tee, Long Span, Roof Members</b> (03 41 33 00-0006)		
03 41 33 00-0014	SF		Prestressed Single Tee, Long Span Roof Precast Concrete Members, <40' Span .....	41.54	2.35
03 41 33 00-0015			<b>Prestressed Concrete Items</b> (03 41 33)		
03 41 33 00-0016			<b>Prestressed Quad Tee</b> (03 41 33 00-0015)		
03 41 33 00-0017	SF		Tees, Prestressed Quad Tee, Short Spans, Roof.....	21.65	0.51
03 41 33 00-0018	SF		Tees, Prestressed Quad Tee, Short Spans, Floor.....	22.61	0.51
03 41 33 00-0019			<b>Prestressed Double Tee</b> (03 41 33 00-0015)		
03 41 33 00-0020	SF		Tees, Double Tee, Floor Members , 60' Span .....	36.18	0.45
03 41 33 00-0021	SF		Tees, Double Tee, Floor Members , 80' Span .....	49.90	0.45
03 41 33 00-0022	SF		Tees, Double Tee, Roof Members, 30' Span.....	24.49	0.76
03 41 33 00-0023	SF		Tees, Double Tee, Roof Members, 50' Span.....	38.22	0.51
03 41 33 00-0024	SF		Tees, Double Tee, Wall Members, Up To 55' High.....	26.42	1.02
03 41 33 00-0025			<b>Prestressed Single Tee</b> (03 41 33 00-0015)		
03 41 33 00-0026	SF		Tees, Single Tee Roof Members, 40' Span .....	42.52	1.14
03 41 33 00-0027	SF		Tees, Single Tee Roof Members, 80' Span .....	49.56	0.71
03 41 33 00-0028	SF		Tees, Single Tee Roof Members, 100' Span .....	65.71	0.64
03 41 33 00-0029	SF		Tees, Single Tee Roof Members, 120' Span .....	69.21	0.64
03 41 33 00-0030			<b>Prestressed Double Tee Floor Members</b> (03 41 33 00-0015)		
03 41 33 00-0031	EA		Tees, Double Tees, Floor Members, Lightweight, 20" X 8' Wide, 45' .....	11,048.58	183.50
03 41 33 00-0032	EA		Tees, Double Tees, Floor Members, Lightweight, 24" X 8' Wide, 50' .....	12,028.67	203.89
03 41 33 00-0033	EA		Tees, Double Tees, Floor Members, Lightweight, 32" X 10' Wide, 60' .....	20,174.88	229.38
03 41 33 00-0034	EA		Tees, Double Tees, Floor Members, Standard Weight, 12" X 8' Wide, 25' .....	4,281.66	166.87
03 41 33 00-0035	EA		Tees, Double Tees, Floor Members, Standard Weight, 16" X 8' Wide, 25' .....	5,638.99	183.50
03 41 33 00-0036	EA		Tees, Double Tees, Floor Members, Standard Weight, 18" X 8' Wide, 35' .....	7,230.05	183.50
03 41 33 00-0037	EA		Tees, Double Tees, Floor Members, Standard Weight, 20" X 8' Wide, 45' .....	8,051.03	203.89
03 41 33 00-0038	EA		Tees, Double Tees, Floor Members, Standard Weight, 24" X 8' Wide, 50' .....	10,310.33	229.38
03 41 33 00-0039	EA		Tees, Double Tees, Floor Members, Standard Weight, 32" X 10' Wide, 60' .....	18,624.93	262.25
03 41 33 00-0040			<b>Prestressed Double Tee Roof Members</b> (03 41 33 00-0015)		
03 41 33 00-0041	EA		Tees, Double Tees, Roof Members, Lightweight, 20" X 8' Wide, 45' .....	8,662.00	183.50
03 41 33 00-0042	EA		Tees, Double Tees, Roof Members, Lightweight, 24" X 8' Wide, 50' .....	11,392.25	203.89
03 41 33 00-0043	EA		Tees, Double Tees, Roof Members, Lightweight, 32" X 10' Wide, 60' .....	18,742.93	229.38
03 41 33 00-0044	EA		Tees, Double Tees, Roof Members, Standard Weight, 12" X 8' Wide, 30' .....	5,777.26	166.87
03 41 33 00-0045	EA		Tees, Double Tees, Roof Members, Standard Weight, 16" X 8' Wide, 30' .....	6,084.49	183.50
03 41 33 00-0046	EA		Tees, Double Tees, Roof Members, Standard Weight, 18" X 8' Wide, 30' .....	6,752.73	183.50
03 41 33 00-0047	EA		Tees, Double Tees, Roof Members, Standard Weight, 20" X 8' Wide, 40' .....	6,937.29	203.89
03 41 33 00-0048	EA		Tees, Double Tees, Roof Members, Standard Weight, 24" X 8' Wide, 50' .....	9,196.59	229.38
03 41 33 00-0049	EA		Tees, Double Tees, Roof Members, Standard Weight, 32" X 10' Wide, 60' .....	15,920.14	262.25
03 41 33 00-0050			<b>Plant Produced Pretensioned Prestressed Concrete Hollow Core Slab</b> (03 41 33)		
03 41 33 00-0051	SF		Hollow Core Slab, 4" Slab, 12' - 16' Spans, Plant Produced Pretensioned Prestressed Concrete .....	22.92	
03 41 33 00-0052	SF		Hollow Core Slab, 6" Slab, 16' - 25' Spans, Plant Produced Pretensioned Prestressed Concrete .....	23.84	
03 41 33 00-0053	SF		Hollow Core Slab, 8" Slab, 25' - 30' Spans, Plant Produced Pretensioned Prestressed Concrete .....	24.88	
03 41 33 00-0054	SF		Hollow Core Slab, 10" Slab, 30' - 35' Spans, Plant Produced Pretensioned Prestressed Concrete .....	25.65	
03 41 33 00-0055	SF		Hollow Core Slab, 12" Slab, 35' - 40' Spans, Plant Produced Pretensioned Prestressed Concrete .....	27.33	
03 41 33 00-0056			<b>Double And Single Tees</b> (03 41 33)		
03 41 33 00-0057			<b>Double And Single Tees With 16" Roof And Floor Loading</b> (03 41 33 00-0056)		
03 41 33 00-0058	SF		Double Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete .....	27.58	
03 41 33 00-0059	SF		Double Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete .....	26.95	
03 41 33 00-0060	SF		Double Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete .....	25.45	
03 41 33 00-0061	SF		Double Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete.....	27.58	
03 41 33 00-0062	SF		Double Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete.....	27.52	
03 41 33 00-0063	SF		Single Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete.....	42.48	
03 41 33 00-0064	SF		Single Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete.....	41.56	
03 41 33 00-0065	SF		Single Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete.....	38.91	
03 41 33 00-0066	SF		Single Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete.....	42.48	
03 41 33 00-0067	SF		Single Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete.....	39.84	
03 41 33 00-0068			<b>Double And Single Tees With 24" Roof And Floor Loading</b> (03 41 33 00-0056)		
03 41 33 00-0069	SF		Double Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete .....	28.44	
03 41 33 00-0070	SF		Double Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete .....	27.81	
03 41 33 00-0071	SF		Double Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete .....	26.88	
03 41 33 00-0072	SF		Double Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete.....	28.44	



<b>Concrete</b>	<b>03</b>	<b>03</b>
Precast Concrete	03 40	
Precast Structural Concrete	03 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 00-0073 SF Double Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete .....	27.52	
03 41 33 00-0074 SF Single Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete .....	43.62	
03 41 33 00-0075 SF Single Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete .....	42.70	
03 41 33 00-0076 SF Single Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete .....	41.20	
03 41 33 00-0077 SF Single Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete .....	43.62	
03 41 33 00-0078 SF Single Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete .....	42.42	

**03 41 33 00-0079 Double And Single Tees With 32" Roof And Floor Loading** (03 41 33 00-0056)

03 41 33 00-0080 SF Double Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete .....	30.02	
03 41 33 00-0081 SF Double Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete .....	29.08	
03 41 33 00-0082 SF Double Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete .....	28.15	
03 41 33 00-0083 SF Single Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete .....	46.34	
03 41 33 00-0084 SF Single Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete .....	44.83	
03 41 33 00-0085 SF Single Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete .....	43.04	

**03 48 Precast Concrete Specialties** (03 40)

**03 48 16 Precast Concrete Splash Blocks** (03 48)

**03 48 16 00-0001 Precast Concrete Splash Blocks** (03 48 16)

03 48 16 00-0002 EA Precast Concrete Splash Blocks, Standard Size .....	26.97	1.75
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**03 48 21 Precast Concrete Handrails** (03 48)

**03 48 21 00-0001 Installation Cost** (03 48 21)

Note: Includes handling, hoisting into place, alignment, and permanent connections. Excludes grouting.

03 48 21 00-0002 EA Install Precast Handrails, 0-2 Ton/Handrail .....	91.69	41.28
03 48 21 00-0003 EA Install Precast Handrails, Over 2 Ton/Handrail .....	109.97	49.47

**03 48 21 00-0004 Material Cost** (03 48 21)

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast operations.

03 48 21 00-0005 CY 4" Thick 3,000 PSI Concrete Precast Concrete Handrail .....	2,513.95	
For 3,500 PSI Concrete, Add	164.04	
For 4,000 PSI Concrete, Add	308.21	
For 4,500 PSI Concrete, Add	453.01	
For 5,000 PSI Concrete, Add	616.29	
03 48 21 00-0006 CY 5" Thick 3,000 PSI Concrete Precast Concrete Handrail .....	2,609.42	
For 3,500 PSI Concrete, Add	170.26	
For 4,000 PSI Concrete, Add	319.91	
For 4,500 PSI Concrete, Add	470.22	
For 5,000 PSI Concrete, Add	639.70	
03 48 21 00-0007 CY 6" Thick 3,000 PSI Concrete Precast Concrete Handrail .....	2,704.88	
For 3,500 PSI Concrete, Add	176.49	
For 4,000 PSI Concrete, Add	331.62	
For 4,500 PSI Concrete, Add	487.42	
For 5,000 PSI Concrete, Add	663.10	
03 48 21 00-0008 CY 8" Thick 3,000 PSI Concrete Precast Concrete Handrail .....	2,832.17	
For 3,500 PSI Concrete, Add	184.80	
For 4,000 PSI Concrete, Add	347.22	
For 4,500 PSI Concrete, Add	510.36	
For 5,000 PSI Concrete, Add	694.31	

**03 48 22 Precast Concrete Sun Screen And Trellis** (03 48)

**03 48 22 00-0001 Sun Screen Blades** (03 48 22)

**03 48 22 00-0002 Installation Cost** (03 48 22 00-0001)

Note: Includes handling, hoisting into place, alignment, bracing, and permanent connections.

03 48 22 00-0003 EA Install Precast Sun Screen Blade, 0-1 Ton/Each .....	45.85	20.65
03 48 22 00-0004 EA Install Precast Sun Screen Blade, 1-2 Ton/Each .....	55.08	24.76
03 48 22 00-0005 EA Install Precast Sun Screen Blade, 2-3 Ton/Each .....	68.82	30.99

**03 48 22 00-0006 Material Cost** (03 48 22 00-0001)

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.

03 48 22 00-0007 CY 4" Thick 3,000 PSI Concrete Precast Sun Screen Blades .....	2,673.06	
For 3,500 PSI Concrete, Add	174.42	
For 4,000 PSI Concrete, Add	327.72	
For 4,500 PSI Concrete, Add	481.69	
For 5,000 PSI Concrete, Add	655.30	
03 48 22 00-0008 CY 5" Thick 3,000 PSI Concrete Precast Sun Screen Blades .....	2,768.53	
For 3,500 PSI Concrete, Add	180.65	
For 4,000 PSI Concrete, Add	339.42	
For 4,500 PSI Concrete, Add	498.89	
For 5,000 PSI Concrete, Add	678.71	

<b>03</b>	<b>Concrete</b>
<b>03 40</b>	<b>Precast Concrete</b>
<b>03 48</b>	<b>Precast Concrete Specialties</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 22 00-0009 CY 6" Thick 3,000 PSI Concrete Precast Sun Screen Blades .....	2,895.82	
For 3,500 PSI Concrete, Add	188.95	
For 4,000 PSI Concrete, Add	355.03	
For 4,500 PSI Concrete, Add	521.83	
For 5,000 PSI Concrete, Add	709.91	
03 48 22 00-0010 CY 8" Thick 3,000 PSI Concrete Precast Sun Screen Blades .....	3,023.11	
For 3,500 PSI Concrete, Add	197.26	
For 4,000 PSI Concrete, Add	370.63	
For 4,500 PSI Concrete, Add	544.76	
For 5,000 PSI Concrete, Add	741.12	
<b>03 48 22 00-0011 Sun Screen/Trellis Units (03 48 22)</b>		
<b>03 48 22 00-0012 Installation Cost Using A 50 Ton Hydraulic Crane (03 48 22 00-0011)</b>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent to connections.		
03 48 22 00-0013 EA Install Precast Trellis, 0-1 Tons/Unit 100' Maximum Radius With 50 Ton Crane .....	208.63	93.87
03 48 22 00-0014 EA Install Precast Trellis, 1-3 Tons/Unit 65' Maximum Radius With 50 Ton Crane .....	233.37	105.05
03 48 22 00-0015 EA Install Precast Trellis, 3-5 Tons/Unit 50' Maximum Radius With 50 Ton Crane .....	264.76	119.13
03 48 22 00-0016 EA Install Precast Trellis, 5-7 Tons/Unit 40' Maximum Radius With 50 Ton Crane .....	282.95	127.33
<b>03 48 22 00-0017 Material Cost (03 48 22 00-0011)</b>		
Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 22 00-0018 CY 4" Thick 3,000 PSI Concrete Precast Trellises Blades .....	3,086.75	
For 3,500 PSI Concrete, Add	201.41	
For 4,000 PSI Concrete, Add	378.44	
For 4,500 PSI Concrete, Add	556.23	
For 5,000 PSI Concrete, Add	756.72	
03 48 22 00-0019 CY 5" Thick 3,000 PSI Concrete Precast Trellises Blades .....	3,182.22	
For 3,500 PSI Concrete, Add	207.64	
For 4,000 PSI Concrete, Add	390.14	
For 4,500 PSI Concrete, Add	573.44	
For 5,000 PSI Concrete, Add	780.12	
03 48 22 00-0020 CY 6" Thick 3,000 PSI Concrete Precast Trellises Blades .....	3,309.51	
For 3,500 PSI Concrete, Add	215.95	
For 4,000 PSI Concrete, Add	405.75	
For 4,500 PSI Concrete, Add	596.37	
For 5,000 PSI Concrete, Add	811.33	
03 48 22 00-0021 CY 8" Thick 3,000 PSI Concrete Precast Trellises Blades .....	3,468.62	
For 3,500 PSI Concrete, Add	226.33	
For 4,000 PSI Concrete, Add	425.25	
For 4,500 PSI Concrete, Add	625.05	
For 5,000 PSI Concrete, Add	850.33	
<b>03 48 24 Precast Minaret Segments (03 48)</b>		
<b>03 48 24 00-0001 Installation Costs Using A 50 Ton Hydraulic Crane (03 48 24)</b>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
<b>03 48 24 00-0002 L - Shaped Segments (03 48 24 00-0001)</b>		
03 48 24 00-0003 EA Install Minaret, L-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane .....	203.02	162.42
03 48 24 00-0004 EA Install Minaret, L-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane .....	227.50	182.00
03 48 24 00-0005 EA Install Minaret, L-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane .....	257.23	205.78
03 48 24 00-0006 EA Install Minaret, L-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane .....	274.37	219.51
<b>03 48 24 00-0007 O - Shaped Segments (03 48 24 00-0001)</b>		
03 48 24 00-0008 EA Install Minaret, O-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane .....	214.56	171.68
03 48 24 00-0009 EA Install Minaret, O-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane .....	240.81	192.62
03 48 24 00-0010 EA Install Minaret, O-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane .....	272.73	218.16
03 48 24 00-0011 EA Install Minaret, O-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane .....	292.08	233.65
<b>03 48 24 00-0012 Platform Segment (03 48 24 00-0001)</b>		
03 48 24 00-0013 EA Install Minaret, Platform Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane.....	411.57	329.29
03 48 24 00-0014 EA Install Minaret, Platform Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane.....	497.50	397.97
03 48 24 00-0015 EA Install Minaret, Platform Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane.....	552.10	441.69
03 48 24 00-0016 EA Install Minaret, Platform Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane.....	620.17	496.15
<b>03 48 24 00-0017 Cap Segment (03 48 24 00-0001)</b>		
03 48 24 00-0018 EA Install Minaret, Cap Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane .....	225.23	180.17
03 48 24 00-0019 EA Install Minaret, Cap Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane .....	251.51	201.18
03 48 24 00-0020 EA Install Minaret, Cap Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane .....	286.54	229.19
03 48 24 00-0021 EA Install Minaret, Cap Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane .....	305.90	244.68
<b>03 48 24 00-0022 Installation Costs Using A 90 Ton Crawler Crane (03 48 24)</b>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting and caulking of joints.		
<b>03 48 24 00-0023 L - Shaped Segments (03 48 24 00-0022)</b>		



<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Precast Concrete</b>	<b>03 40</b>	
<b>Precast Concrete Specialties</b>	<b>03 48</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 24 00-0024 EA Install Minaret, L-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane .....	207.79	166.23
03 48 24 00-0025 EA Install Minaret, L-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane .....	232.85	186.28
03 48 24 00-0026 EA Install Minaret, L-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane .....	263.27	210.61
03 48 24 00-0027 EA Install Minaret, L-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane .....	280.82	224.66
<b>03 48 24 00-0028 O - Shaped Segment</b> <small>(03 48 24 00-0022)</small>		
03 48 24 00-0029 EA Install Minaret, O-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane .....	219.60	175.71
03 48 24 00-0030 EA Install Minaret, O-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane .....	246.47	197.15
03 48 24 00-0031 EA Install Minaret, O-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane .....	279.13	223.28
03 48 24 00-0032 EA Install Minaret, O-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane .....	298.94	239.13
<b>03 48 24 00-0033 Platform Segment</b> <small>(03 48 24 00-0022)</small>		
03 48 24 00-0034 EA Install Minaret, Platform Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane .....	335.76	268.60
03 48 24 00-0035 EA Install Minaret, Platform Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane .....	406.45	325.15
03 48 24 00-0036 EA Install Minaret, Platform Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane .....	449.86	359.90
03 48 24 00-0037 EA Install Minaret, Platform Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane .....	509.18	407.32
<b>03 48 24 00-0038 Cap Segment</b> <small>(03 48 24 00-0022)</small>		
03 48 24 00-0039 EA Install Minaret, Cap Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane .....	230.52	184.40
03 48 24 00-0040 EA Install Minaret, Cap Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane .....	257.42	205.90
03 48 24 00-0041 EA Install Minaret, Cap Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane .....	293.27	234.57
03 48 24 00-0042 EA Install Minaret, Cap Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane .....	313.08	250.43
<b>03 48 24 00-0043 Material Costs</b> <small>(03 48 24)</small>		
Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 24 00-0044 CY Precast Concrete Minaret, L-Shaped Segments Including Post Tension Cost, 3,000 PSI Concrete .....	7,636.89	
03 48 24 00-0045 CY Precast Concrete Minaret, O-Shaped Segments Including Post Tension Cost, 3,000 PSI Concrete .....	7,636.89	
03 48 24 00-0046 CY Precast Concrete Minaret, Platform Segments Including Post Tension Cost, 3,000 PSI Concrete .....	7,636.89	
03 48 24 00-0047 CY Precast Concrete Minaret, Cap Segments Including Post Tension Cost, 3,000 PSI Concrete .....	7,636.89	
<b>03 48 29 Precast Accessories</b> <small>(03 48)</small>		
Note: Includes installation labor, material and equipment.		
<b>03 48 29 00-0001 Bearing Pads For Precast Members</b> <small>(03 48 29)</small>		
<b>03 48 29 00-0002 Continuous 2" Wide Strips</b> <small>(03 48 29 00-0001)</small>		
03 48 29 00-0003 LF Bearing Pads, Continuous 2" Wide x 1/8" Thick Strips .....	0.68	
Note: For precast members		
03 48 29 00-0004 LF Bearing Pads, Continuous 2" Wide x 1/4" Thick Strips .....	1.00	
Note: For precast members.		
03 48 29 00-0005 LF Bearing Pads, Continuous 2" Wide x 1/2" Thick Strips .....	1.70	
Note: For precast members		
03 48 29 00-0006 LF Bearing Pads, Continuous 2" Wide x 3/4" Thick Strips .....	2.40	
Note: For precast members		
03 48 29 00-0007 LF Bearing Pads, Continuous 2" Wide x 1" Thick Strips .....	3.14	
Note: For precast members		
03 48 29 00-0008 LF Bearing Pads, Continuous 2" Wide x 1-1/2" Thick Strips .....	4.54	
Note: For precast members		
<b>03 48 29 00-0009 Bearing Pad Pipe Supports</b> <small>(03 48 29)</small>		
03 48 29 00-0010 LF 8" Diameter Precast Balustrade, Decorative Shapes .....	87.61	
03 48 29 00-0011 LF Precast Rail Cap, <1 SF Cross Section .....	55.65	
03 48 29 00-0012 LF 4" x 4" Precast Pipe Support .....	8.37	
<b>03 48 46 Precast Skylight Shells</b> <small>(03 48)</small>		
<b>03 48 46 00-0001 Installation Cost Using A 90 Ton Crawler Crane</b> <small>(03 48 46)</small>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 46 00-0002 EA Install Precast Skylight Shell, 0-4 Tons/Each Based On 90 Ton Crawler Crane .....	301.33	135.62
03 48 46 00-0003 EA Install Precast Skylight Shell, 4-6 Tons/Each Based On 90 Ton Crawler Crane .....	334.60	150.58
03 48 46 00-0004 EA Install Precast Skylight Shell, 6-8 Tons/Each Based On 90 Ton Crawler Crane .....	376.11	169.26
<b>03 48 46 00-0005 Material Cost</b> <small>(03 48 46)</small>		
Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 46 00-0006 CY 3.5" Thick 3,000 PSI Concrete Precast Skylight With 4.4' Radius .....	3,195.03	
<b>03 48 49 Precast Landings</b> <small>(03 48)</small>		
03 48 49 00-0001 SF 3" Thick Precast Landing .....	74.09	
03 48 49 00-0002 SF 4" Thick Precast Landing .....	86.71	
03 48 49 00-0003 SF 5" Thick Precast Landing .....	98.10	
03 48 49 00-0004 SF 6" Thick Precast Landing .....	112.99	



<b>03</b>	<b>Concrete</b>
<b>03 40</b>	<b>Precast Concrete</b>
<b>03 48</b>	<b>Precast Concrete Specialties</b>



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### 03 48 54 Precast Concrete Blocks (03 48)

#### 03 48 54 00-0001 Precast Concrete Blocks (03 48 54)

03 48 54 00-0002	EA	2' x 2' x 2' Precast Concrete Block	72.87	19.39
03 48 54 00-0003	EA	2' x 2' x 4' Precast Concrete Block	100.17	24.24
03 48 54 00-0004	EA	2' x 2' x 8' Precast Concrete Block	154.15	29.08

## 03 50 Cast Decks And Underlayment (03)

### 03 51 Cast Roof Decks (03 50)

#### 03 51 13 Cementitious Wood Fiber Decks (03 51)

##### 03 51 13 00-0001 Cement Fiber Tongue And Groove Planks (03 51 13)

03 51 13 00-0002	SF	1" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	2.90	
03 51 13 00-0003	SF	1-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	3.07	
03 51 13 00-0004	SF	2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	3.19	
03 51 13 00-0005	SF	2-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	3.82	
03 51 13 00-0006	SF	3" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	4.44	
03 51 13 00-0007	SF	3-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	5.15	
03 51 13 00-0008	SF	4" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	6.08	

##### 03 51 13 00-0009 Bulb Tees, Sub-Purlins And Grout (03 51 13)

03 51 13 00-0010	SF	6' Span Bulb Tee, Sub-Purlins, Grout, Cement Wood Fiber System	1.40	
03 51 13 00-0011	SF	8' Span Bulb Tee, Sub-Purlins, Grout, Cement Wood Fiber System	2.30	

#### 03 51 16 Gypsum Concrete Roof Decks (03 51)

##### 03 51 16 00-0001 Class A Gypsum Fill Concrete Deck (03 51 16)

03 51 16 00-0002	SF	2" Thick Precast Gypsum Fill Concrete Deck, Class A	8.57	0.26
03 51 16 00-0003	SF	2-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A	10.66	0.31
03 51 16 00-0004	SF	3" Thick Precast Gypsum Fill Concrete Deck, Class A	12.76	0.35
03 51 16 00-0005	SF	3-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A	14.86	0.39
03 51 16 00-0006	SF	4" Thick Precast Gypsum Fill Concrete Deck, Class A	16.97	0.44

##### 03 51 16 00-0007 Form Board For Lightweight Deck (03 51 16)

03 51 16 00-0008	SF	Gypsum Deck Form Board, 1/2" Drywall For Lightweight Deck	1.34	
03 51 16 00-0009	SF	Gypsum Deck Form Board, 1" Mineral Fiber Board For Lightweight Deck	1.95	
03 51 16 00-0010	SF	Gypsum Deck Form Board, 1-1/2" Mineral Fiber Board For Lightweight Deck	4.56	
03 51 16 00-0011	SF	Gypsum Deck Form Board, 1" Cementitious Fiber Board For Lightweight Deck	1.53	0.23
03 51 16 00-0012	SF	Gypsum Deck Form Board, 1-1/2" Cementitious Fiber Board For Lightweight Deck	1.93	0.23
03 51 16 00-0013	SF	Gypsum Deck Form Board, 1" Glass Fiber Board For Lightweight Deck	2.24	0.23
03 51 16 00-0014	SF	Gypsum Deck Form Board, 1-1/2" Glass Fiber Board For Lightweight Deck	2.86	0.23

##### 03 51 16 00-0015 Board Deck Supports For Form Board (03 51 16)

03 51 16 00-0016	SF	Gypsum Deck Form Board Supports, 5' Bulb Tee 40 LB/SF, Span	0.66	0.11
03 51 16 00-0017	SF	Gypsum Deck Form Board, Supports, 8' Bulb Tee 40 LB/SF Span	1.15	0.18

##### 03 51 16 00-0018 Gypsum Plank (03 51 16)

03 51 16 00-0019	SF	Insulating Concrete Gypsum Plank, 2" Thick Roof Deck	3.59	
03 51 16 00-0020	SF	Insulating Concrete Gypsum Plank, 3" Thick Roof Deck	4.96	

## 03 53 Concrete Topping (03 50)

Note: Installed over new or existing concrete.

### 03 53 14 Granolithic Concrete Topping (03 53)

#### 03 53 14 00-0001 Granolithic Topping Laid After (03 53 14)

Note: Using 1:1:1-1/2 mix.

03 53 14 00-0002	SF	1/2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	2.35	
03 53 14 00-0003	SF	1" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	2.68	
03 53 14 00-0004	SF	2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	3.66	

### 03 53 19 Concrete Overlayment (03 53)

#### 03 53 19 00-0001 Integral Topping Including Hard Trowel Finish (03 53 19)

Note: Using 1:1:2 mix.

03 53 19 00-0002	SF	3/16" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	1.40	
03 53 19 00-0003	SF	1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	1.68	
03 53 19 00-0004	SF	3/4" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	2.05	
03 53 19 00-0005	SF	1" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	2.51	
03 53 19 00-0006	SF	2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	3.90	



<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Cast Decks And Underlayment</b>	<b>03 50</b>	
<b>Concrete Topping</b>	<b>03 53</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 53 19 00-0007	SF	2-1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix .....	3.74
03 53 19 00-0008	SF	3" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix .....	4.31

**03 54 Cast Underlayment** (03 50)

Note: Includes primer. Excludes sandblasting existing smooth finished concrete surface (where necessary).

**03 54 16 Hydraulic Cement Underlayment** (03 54)

**03 54 16 00-0001 Self Leveling Cementitious Underlayment For Floors** (03 54 16)

Note: Includes primer.

03 54 16 00-0002	SF	1/8" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation .....	1.99
03 54 16 00-0003	SF	1/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation .....	3.37
03 54 16 00-0004	SF	1/2" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation .....	6.12
03 54 16 00-0005	SF	3/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation .....	8.87
03 54 16 00-0006	SF	1" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation .....	11.62
03 54 16 00-0007	SF	1-1/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation .....	15.28
03 54 16 00-0008	SF	1-1/2" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation .....	17.13
03 54 16 00-0009	SF	1-3/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation .....	22.64

**03 60 Grouting** (03)

**03 61 Cementitious Grouting** (03 60)

Note: 1 part cement to 3 parts sand by volume.

**03 61 16 Cementitious Flowable Grout** (03 61)

**03 61 16 00-0001 Cementitious Flowable Grout** (03 61 16)

03 61 16 00-0002	CY	Cementitious Flowable Grout.....	379.87
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**03 62 Non-Shrink Grouting** (03 60)

**03 62 13 Non-Metallic Non-Shrink Grouting** (03 62)

**03 62 13 00-0001 Fluid Type, Non-Metallic Non-Shrink Grouting For Bases** (03 62 13)

03 62 13 00-0002	SF	1" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases .....	18.54
03 62 13 00-0003	SF	2" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases .....	30.05

**03 62 13 00-0004 Non-Metallic Non-Shrink Grouting For Bases** (03 62 13)

03 62 13 00-0005	SF	1" Deep, Non-Metallic Non-Shrink Grout For Bases .....	29.56
03 62 13 00-0006	SF	2" Deep, Non-Metallic Non-Shrink Grout For Bases .....	50.67

**03 62 13 00-0007 Non-Metallic Non-Shrink Grouting For Joints** (03 62 13)

**03 62 13 00-0008 1/2" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints** (03 62 13 00-0007)

03 62 13 00-0009	LF	4" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints .....	1.29
03 62 13 00-0010	LF	6" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints .....	1.75
03 62 13 00-0011	LF	8" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints .....	2.31

**03 62 13 00-0012 1" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints** (03 62 13 00-0007)

03 62 13 00-0013	LF	4" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints .....	2.07
03 62 13 00-0014	LF	6" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints .....	2.86
03 62 13 00-0015	LF	8" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints .....	3.80

**03 62 16 Metallic Non-Shrink Grouting** (03 62)

**03 62 16 00-0001 Metallic Non-Shrink Grouting For Bases** (03 62 16)

03 62 16 00-0002	SF	1" Deep, Metallic Non-Shrink Grout For Bases .....	22.56
03 62 16 00-0003	SF	2" Deep, Metallic Non-Shrink Grout For Bases .....	37.08

**03 62 16 00-0004 Metallic Non-Shrink Grouting For Joints** (03 62 16)

**03 62 16 00-0005 1/2" Joint Thickness, Metallic Non-Shrink Grout For Joints** (03 62 16 00-0004)

03 62 16 00-0006	LF	4" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints .....	0.85
03 62 16 00-0007	LF	6" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints .....	1.09
03 62 16 00-0008	LF	8" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints .....	1.45

**03 62 16 00-0009 1" Joint Thickness, Metallic Non-Shrink Grout For Joints** (03 62 16 00-0004)

03 62 16 00-0010	LF	4" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints .....	1.21
03 62 16 00-0011	LF	6" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints .....	1.54
03 62 16 00-0012	LF	8" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints .....	2.06

<b>03</b>	<b>03 Concrete</b>
	<b>03 60 Grouting</b>
	<b>03 64 Injection Grouting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**03 64 Injection Grouting** (03 60)

Note: By volume of void filled. Includes injection ports.

**03 64 23 Epoxy Injection Grouting** (03 64)

03 64 23 00-0001	Pressure Injected Epoxy Grout <small>(03 64 23)</small>	1,091.27
03 64 23 00-0002	CF Pressure Injected Epoxy Grout <i>For &gt;4, Deduct</i>	-117.53

**03 64 26 Cementitious Injection Grouting** (03 64)

03 64 26 00-0001	Pressure Injected Cementitious Grout <small>(03 64 26)</small>	125.28
03 64 26 00-0002	CF Pressure Injected Cementitious Grout <i>For &gt;4, Deduct</i>	-33.99

**03 80 Concrete Cutting And Boring** (03)

**03 81 Concrete Cutting** (03 80)

**03 81 13 Flat Concrete Sawing** (03 81)  
See CSI section 02 41 19 13-0058 for saw cutting.

**03 81 16 Track Mounted Concrete Wall Sawing** (03 81)  
See CSI section 02 41 19 13-0058 for saw cutting.

**03 82 Concrete Boring** (03 80)

**03 82 13 Concrete Core Drilling** (03 82)  
See CSI section 02 41 19 13-0081 for core drilling.

**END OF SECTION 03**



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 04 Masonry

### 04 01 Maintenance Of Masonry <sup>(04)</sup>

#### 04 01 20 Maintenance Of Unit Masonry <sup>(04 01)</sup>

Note: For use on existing brick. Includes clean-up of debris. Excludes disposal.

##### 04 01 20 41 Unit Masonry Stabilization <sup>(04 01 20)</sup>

04 01 20 41-0001	Masonry Repair (Helifix®) <sup>(04 01 20 41)</sup>		
04 01 20 41-0002	Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) <sup>(04 01 20 41-0001)</sup>		
	Note: Austenitic stainless steel. For stabilizing solid masonry. Includes drilling, cementitious grout and patching surface.		
04 01 20 41-0003	304 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) <sup>(04 01 20 41-0002)</sup>		
04 01 20 41-0004	EA 8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) .....	17.08	
	For Up To 10, Add	5.02	
	For >10 To 50, Add	2.51	
04 01 20 41-0005	EA 8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) .....	26.60	
	For Up To 10, Add	5.02	
	For >10 To 50, Add	2.51	
04 01 20 41-0006	EA 8mm Diameter, 900mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) .....	36.94	
	For Up To 10, Add	5.02	
	For >10 To 50, Add	2.51	
04 01 20 41-0007	316 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) <sup>(04 01 20 41-0002)</sup>		
04 01 20 41-0008	EA 8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) .....	19.14	
	For Up To 10, Add	5.02	
	For >10 To 50, Add	2.51	
04 01 20 41-0009	EA 8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) .....	30.26	
	For Up To 10, Add	5.02	
	For >10 To 50, Add	2.51	
04 01 20 41-0010	EA 8mm Diameter, 900mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie) .....	42.43	
	For Up To 10, Add	5.02	
	For >10 To 50, Add	2.51	
04 01 20 41-0011	Ties For Stitching Masonry Cracks (Helifix® Helibar) <sup>(04 01 20 41-0001)</sup>		
	Note: Austenitic stainless steel. For stabilizing cracked masonry. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout. Excludes repairing vertical crack.		
04 01 20 41-0012	304 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) <sup>(04 01 20 41-0011)</sup>		
04 01 20 41-0013	EA 4.5mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	39.73	
	For Up To 10, Add	20.09	
	For >10 To 50, Add	10.05	
04 01 20 41-0014	EA 4.5mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	45.14	
	For Up To 10, Add	20.09	
	For >10 To 50, Add	10.05	
04 01 20 41-0015	EA 4.5mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	170.63	
	For Up To 10, Add	20.09	
	For >10 To 50, Add	10.05	
04 01 20 41-0016	EA 6mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	39.73	
	For Up To 10, Add	20.09	
	For >10 To 50, Add	10.05	
04 01 20 41-0017	EA 6mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	45.14	
	For Up To 10, Add	20.09	
	For >10 To 50, Add	10.05	
04 01 20 41-0018	EA 6mm Diameter, 1.5m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	51.29	
	For Up To 10, Add	20.09	
	For >10 To 50, Add	10.05	
04 01 20 41-0019	EA 6mm Diameter, 2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	62.86	
	For Up To 10, Add	20.09	
	For >10 To 50, Add	10.05	
04 01 20 41-0020	EA 6mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	170.63	
	For Up To 10, Add	20.09	
	For >10 To 50, Add	10.05	



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04 01 20 41-0021	<b>316 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar)</b> <small>(04 01 20 41-0011)</small>	
04 01 20 41-0022	EA 4.5mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	42.68
	For Up To 10, Add	20.09
	For >10 To 50, Add	10.05
04 01 20 41-0023	EA 4.5mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	49.07
	For Up To 10, Add	20.09
	For >10 To 50, Add	10.05
04 01 20 41-0024	EA 4.5mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	195.17
	For Up To 10, Add	20.09
	For >10 To 50, Add	10.05
04 01 20 41-0025	EA 6mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	42.68
	For Up To 10, Add	20.09
	For >10 To 50, Add	10.05
04 01 20 41-0026	EA 6mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	49.07
	For Up To 10, Add	20.09
	For >10 To 50, Add	10.05
04 01 20 41-0027	EA 6mm Diameter, 1.5m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	56.20
	For Up To 10, Add	20.09
	For >10 To 50, Add	10.05
04 01 20 41-0028	EA 6mm Diameter, 2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	69.73
	For Up To 10, Add	20.09
	For >10 To 50, Add	10.05
04 01 20 41-0029	EA 6mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar) .....	195.17
	For Up To 10, Add	20.09
	For >10 To 50, Add	10.05
04 01 20 41-0030	<b>Mechanical Repair Anchors (Helifix® TorkFix)</b> <small>(04 01 20 41-0001)</small>	
	Note: Austenitic stainless steel. For stabilizing masonry veneer walls to inner wythes of brick, concrete block, wood studs or steel studs. Includes drilling and patching surface.	
04 01 20 41-0031	<b>304 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix)</b> <small>(04 01 20 41-0030)</small>	
04 01 20 41-0032	EA 4-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	8.20
	For Up To 10, Add	3.01
	For >10 To 50, Add	1.51
04 01 20 41-0033	EA 5-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	9.17
	For Up To 10, Add	3.01
	For >10 To 50, Add	1.51
04 01 20 41-0034	EA 6-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	10.14
	For Up To 10, Add	3.01
	For >10 To 50, Add	1.51
04 01 20 41-0035	EA 7-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	11.11
	For Up To 10, Add	3.01
	For >10 To 50, Add	1.51
04 01 20 41-0036	EA 8-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	12.08
	For Up To 10, Add	3.01
	For >10 To 50, Add	1.51
04 01 20 41-0037	EA 9-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	13.05
	For Up To 10, Add	3.01
	For >10 To 50, Add	1.51
04 01 20 41-0038	EA 4-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	8.20
	For Up To 10, Add	3.01
	For >10 To 50, Add	1.51
04 01 20 41-0039	EA 5-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	9.17
	For Up To 10, Add	3.01
	For >10 To 50, Add	1.51
04 01 20 41-0040	EA 6-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	10.14
	For Up To 10, Add	3.01
	For >10 To 50, Add	1.51
04 01 20 41-0041	EA 7-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	11.11
	For Up To 10, Add	3.01
	For >10 To 50, Add	1.51
04 01 20 41-0042	EA 8-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	12.08
	For Up To 10, Add	3.01
	For >10 To 50, Add	1.51
04 01 20 41-0043	EA 10-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix) .....	14.02
	For Up To 10, Add	3.01
	For >10 To 50, Add	1.51
04 01 20 41-0044	EA 4-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix) .....	8.20
	For Up To 10, Add	3.01
	For >10 To 50, Add	1.51
04 01 20 41-0045	EA 6-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix) .....	10.14
	For Up To 10, Add	3.01
	For >10 To 50, Add	1.51
04 01 20 41-0046	EA 8" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix) .....	11.59
	For Up To 10, Add	3.01
	For >10 To 50, Add	1.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>04 01 20 41-0047 316 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix)</b> <small>(04 01 20 41-0030)</small>		
04 01 20 41-0048 EA 4-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	8.20	
For Up To 10, Add	3.01	
For >10 To 50, Add	1.51	
04 01 20 41-0049 EA 5-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	9.17	
For Up To 10, Add	3.01	
For >10 To 50, Add	1.51	
04 01 20 41-0050 EA 6-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	10.14	
For Up To 10, Add	3.01	
For >10 To 50, Add	1.51	
04 01 20 41-0051 EA 7-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	11.11	
For Up To 10, Add	3.01	
For >10 To 50, Add	1.51	
04 01 20 41-0052 EA 8-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	12.08	
For Up To 10, Add	3.01	
For >10 To 50, Add	1.51	
04 01 20 41-0053 EA 9-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	13.05	
For Up To 10, Add	3.01	
For >10 To 50, Add	1.51	
04 01 20 41-0054 EA 4-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	8.20	
For Up To 10, Add	3.01	
For >10 To 50, Add	1.51	
04 01 20 41-0055 EA 5-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	9.17	
For Up To 10, Add	3.01	
For >10 To 50, Add	1.51	
04 01 20 41-0056 EA 6-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	10.14	
For Up To 10, Add	3.01	
For >10 To 50, Add	1.51	
04 01 20 41-0057 EA 7-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	11.11	
For Up To 10, Add	3.01	
For >10 To 50, Add	1.51	
04 01 20 41-0058 EA 8-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	12.08	
For Up To 10, Add	3.01	
For >10 To 50, Add	1.51	
04 01 20 41-0059 EA 10-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	14.02	
For Up To 10, Add	3.01	
For >10 To 50, Add	1.51	
04 01 20 41-0060 EA 4-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	8.20	
For Up To 10, Add	3.01	
For >10 To 50, Add	1.51	
04 01 20 41-0061 EA 6-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	10.14	
For Up To 10, Add	3.01	
For >10 To 50, Add	1.51	
04 01 20 41-0062 EA 8" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	11.59	
For Up To 10, Add	3.01	
For >10 To 50, Add	1.51	
<b>04 01 20 41-0063 Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)</b> <small>(04 01 20 41-0001)</small>		
Note: Austenitic stainless steel. For pinning stucco, terracotta, granite, marble, etc., to concrete block, brick or solid concrete. Includes drilling and patching surface.		
<b>04 01 20 41-0064 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)</b> <small>(04 01 20 41-0063)</small>		
04 01 20 41-0065 EA 8mm Diameter, 115mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	5.92	
For Up To 10, Add	3.01	
For >10 To 50, Add	1.51	
For Metal Stud Clip, Add	1.88	
04 01 20 41-0066 EA 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	6.27	
For Up To 10, Add	3.01	
For >10 To 50, Add	1.51	
For Metal Stud Clip, Add	1.88	
04 01 20 41-0067 EA 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	6.34	
For Up To 10, Add	3.01	
For >10 To 50, Add	1.51	
For Metal Stud Clip, Add	1.88	
04 01 20 41-0068 EA 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	6.48	
For Up To 10, Add	3.01	
For >10 To 50, Add	1.51	
For Metal Stud Clip, Add	1.88	

<b>04</b>	<b>Masonry</b>
<b>04 01</b>	<b>Maintenance Of Masonry</b>
<b>04 01 20</b>	<b>Maintenance Of Unit Masonry</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0069	EA		8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	6.73	
			<i>For Up To 10, Add</i>	3.01	
			<i>For &gt;10 To 50, Add</i>	1.51	
			<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0070	EA		8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	6.95	
			<i>For Up To 10, Add</i>	3.01	
			<i>For &gt;10 To 50, Add</i>	1.51	
			<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0071	EA		8mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	7.05	
			<i>For Up To 10, Add</i>	3.01	
			<i>For &gt;10 To 50, Add</i>	1.51	
			<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0072	EA		8mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	7.19	
			<i>For Up To 10, Add</i>	3.01	
			<i>For &gt;10 To 50, Add</i>	1.51	
			<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0073	EA		8mm Diameter, 325mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	7.81	
			<i>For Up To 10, Add</i>	3.01	
			<i>For &gt;10 To 50, Add</i>	1.51	
			<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0074	EA		8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	7.90	
			<i>For Up To 10, Add</i>	3.01	
			<i>For &gt;10 To 50, Add</i>	1.51	
			<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0075	EA		8mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.64	
			<i>For Up To 10, Add</i>	3.01	
			<i>For &gt;10 To 50, Add</i>	1.51	
			<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0076	EA		8mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.27	
			<i>For Up To 10, Add</i>	3.01	
			<i>For &gt;10 To 50, Add</i>	1.51	
			<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0077	EA		8mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.82	
			<i>For Up To 10, Add</i>	3.01	
			<i>For &gt;10 To 50, Add</i>	1.51	
			<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0078	EA		8mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.72	
			<i>For Up To 10, Add</i>	3.01	
			<i>For &gt;10 To 50, Add</i>	1.51	
			<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0079	EA		8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.41	
			<i>For Up To 10, Add</i>	3.01	
			<i>For &gt;10 To 50, Add</i>	1.51	
			<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0080	EA		8mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	15.66	
			<i>For Up To 10, Add</i>	3.01	
			<i>For &gt;10 To 50, Add</i>	1.51	
			<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0081	EA		10mm Diameter, 125mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	6.04	
			<i>For Up To 10, Add</i>	3.01	
			<i>For &gt;10 To 50, Add</i>	1.51	
			<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0082	EA		10mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	6.41	
			<i>For Up To 10, Add</i>	3.01	
			<i>For &gt;10 To 50, Add</i>	1.51	
			<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0083	EA		10mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	6.75	
			<i>For Up To 10, Add</i>	3.01	
			<i>For &gt;10 To 50, Add</i>	1.51	
			<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0084	EA		10mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	7.05	
			<i>For Up To 10, Add</i>	3.01	
			<i>For &gt;10 To 50, Add</i>	1.51	
			<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0085	EA		10mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	7.25	
			<i>For Up To 10, Add</i>	3.01	
			<i>For &gt;10 To 50, Add</i>	1.51	
			<i>For Metal Stud Clip, Add</i>	1.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0086 EA 10mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	7.38	
<i>For Up To 10, Add</i>	3.01	
<i>For &gt;10 To 50, Add</i>	1.51	
<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0087 EA 10mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	7.61	
<i>For Up To 10, Add</i>	3.01	
<i>For &gt;10 To 50, Add</i>	1.51	
<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0088 EA 10mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	7.70	
<i>For Up To 10, Add</i>	3.01	
<i>For &gt;10 To 50, Add</i>	1.51	
<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0089 EA 10mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.14	
<i>For Up To 10, Add</i>	3.01	
<i>For &gt;10 To 50, Add</i>	1.51	
<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0090 EA 10mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.77	
<i>For Up To 10, Add</i>	3.01	
<i>For &gt;10 To 50, Add</i>	1.51	
<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0091 EA 10mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.29	
<i>For Up To 10, Add</i>	3.01	
<i>For &gt;10 To 50, Add</i>	1.51	
<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0092 EA 10mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.95	
<i>For Up To 10, Add</i>	3.01	
<i>For &gt;10 To 50, Add</i>	1.51	
<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0093 EA 10mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.52	
<i>For Up To 10, Add</i>	3.01	
<i>For &gt;10 To 50, Add</i>	1.51	
<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0094 EA 10mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	15.52	
<i>For Up To 10, Add</i>	3.01	
<i>For &gt;10 To 50, Add</i>	1.51	
<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0095 EA 10mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	18.62	
<i>For Up To 10, Add</i>	3.01	
<i>For &gt;10 To 50, Add</i>	1.51	
<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0096 EA 8mm Tapered To 6.5mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	6.85	
<i>For Up To 10, Add</i>	3.01	
<i>For &gt;10 To 50, Add</i>	1.51	
<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0097 EA 8mm Tapered To 6.5mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	7.08	
<i>For Up To 10, Add</i>	3.01	
<i>For &gt;10 To 50, Add</i>	1.51	
<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0098 EA 8mm Tapered To 6.5mm Diameter, 185mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	7.22	
<i>For Up To 10, Add</i>	3.01	
<i>For &gt;10 To 50, Add</i>	1.51	
<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0099 EA 8mm Tapered To 6.5mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	7.33	
<i>For Up To 10, Add</i>	3.01	
<i>For &gt;10 To 50, Add</i>	1.51	
<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0100 EA 8mm Tapered To 6.5mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	7.64	
<i>For Up To 10, Add</i>	3.01	
<i>For &gt;10 To 50, Add</i>	1.51	
<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0101 EA 8mm Tapered To 6.5mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	8.13	
<i>For Up To 10, Add</i>	3.01	
<i>For &gt;10 To 50, Add</i>	1.51	
<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0102 EA 8mm Tapered To 6.5mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	8.31	
<i>For Up To 10, Add</i>	3.01	
<i>For &gt;10 To 50, Add</i>	1.51	
<i>For Metal Stud Clip, Add</i>	1.88	



**04 Masonry****04 01 Maintenance Of Masonry****04 01 20 Maintenance Of Unit Masonry**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0103	EA		8mm Tapered To 6.5mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	8.81	
			<i>For Up To 10, Add</i> .....	3.01	
			<i>For &gt;10 To 50, Add</i> .....	1.51	
			<i>For Metal Stud Clip, Add</i> .....	1.88	
04 01 20 41-0104	EA		10mm Tapered To 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	7.43	
			<i>For Up To 10, Add</i> .....	3.01	
			<i>For &gt;10 To 50, Add</i> .....	1.51	
			<i>For Metal Stud Clip, Add</i> .....	1.88	
04 01 20 41-0105	EA		10mm Tapered To 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	7.86	
			<i>For Up To 10, Add</i> .....	3.01	
			<i>For &gt;10 To 50, Add</i> .....	1.51	
			<i>For Metal Stud Clip, Add</i> .....	1.88	
04 01 20 41-0106	EA		10mm Tapered To 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	8.16	
			<i>For Up To 10, Add</i> .....	3.01	
			<i>For &gt;10 To 50, Add</i> .....	1.51	
			<i>For Metal Stud Clip, Add</i> .....	1.88	
04 01 20 41-0107	EA		10mm Tapered To 8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	8.35	
			<i>For Up To 10, Add</i> .....	3.01	
			<i>For &gt;10 To 50, Add</i> .....	1.51	
			<i>For Metal Stud Clip, Add</i> .....	1.88	
04 01 20 41-0108	EA		10mm Tapered To 8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	8.49	
			<i>For Up To 10, Add</i> .....	3.01	
			<i>For &gt;10 To 50, Add</i> .....	1.51	
			<i>For Metal Stud Clip, Add</i> .....	1.88	
04 01 20 41-0109	EA		10mm Tapered To 8mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	8.81	
			<i>For Up To 10, Add</i> .....	3.01	
			<i>For &gt;10 To 50, Add</i> .....	1.51	
			<i>For Metal Stud Clip, Add</i> .....	1.88	
04 01 20 41-0110	EA		304 Stainless Steel, Seismic Connector (Helifix® DryFix®) .....	3.24	
			Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.		
			<i>For Up To 10, Add</i> .....	1.51	
			<i>For &gt;10 To 50, Add</i> .....	0.76	
04 01 20 41-0111			<b>316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)</b> (04 01 20 41-0063)		
04 01 20 41-0112	EA		8mm Diameter, 115mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	6.47	
			<i>For Up To 10, Add</i> .....	3.01	
			<i>For &gt;10 To 50, Add</i> .....	1.51	
			<i>For Metal Stud Clip, Add</i> .....	1.88	
04 01 20 41-0113	EA		8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	6.91	
			<i>For Up To 10, Add</i> .....	3.01	
			<i>For &gt;10 To 50, Add</i> .....	1.51	
			<i>For Metal Stud Clip, Add</i> .....	1.88	
04 01 20 41-0114	EA		8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	7.00	
			<i>For Up To 10, Add</i> .....	3.01	
			<i>For &gt;10 To 50, Add</i> .....	1.51	
			<i>For Metal Stud Clip, Add</i> .....	1.88	
04 01 20 41-0115	EA		8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	7.17	
			<i>For Up To 10, Add</i> .....	3.01	
			<i>For &gt;10 To 50, Add</i> .....	1.51	
			<i>For Metal Stud Clip, Add</i> .....	1.88	
04 01 20 41-0116	EA		8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	7.49	
			<i>For Up To 10, Add</i> .....	3.01	
			<i>For &gt;10 To 50, Add</i> .....	1.51	
			<i>For Metal Stud Clip, Add</i> .....	1.88	
04 01 20 41-0117	EA		8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	7.75	
			<i>For Up To 10, Add</i> .....	3.01	
			<i>For &gt;10 To 50, Add</i> .....	1.51	
			<i>For Metal Stud Clip, Add</i> .....	1.88	
04 01 20 41-0118	EA		8mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	7.89	
			<i>For Up To 10, Add</i> .....	3.01	
			<i>For &gt;10 To 50, Add</i> .....	1.51	
			<i>For Metal Stud Clip, Add</i> .....	1.88	
04 01 20 41-0119	EA		8mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	8.06	
			<i>For Up To 10, Add</i> .....	3.01	
			<i>For &gt;10 To 50, Add</i> .....	1.51	
			<i>For Metal Stud Clip, Add</i> .....	1.88	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0120	EA			8mm Diameter, 325mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.70	
				<i>For Up To 10, Add</i>	3.01	
				<i>For &gt;10 To 50, Add</i>	1.51	
				<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0121	EA			8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.82	
				<i>For Up To 10, Add</i>	3.01	
				<i>For &gt;10 To 50, Add</i>	1.51	
				<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0122	EA			8mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.75	
				<i>For Up To 10, Add</i>	3.01	
				<i>For &gt;10 To 50, Add</i>	1.51	
				<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0123	EA			8mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.53	
				<i>For Up To 10, Add</i>	3.01	
				<i>For &gt;10 To 50, Add</i>	1.51	
				<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0124	EA			8mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.21	
				<i>For Up To 10, Add</i>	3.01	
				<i>For &gt;10 To 50, Add</i>	1.51	
				<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0125	EA			8mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.59	
				<i>For Up To 10, Add</i>	3.01	
				<i>For &gt;10 To 50, Add</i>	1.51	
				<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0126	EA			8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	15.51	
				<i>For Up To 10, Add</i>	3.01	
				<i>For &gt;10 To 50, Add</i>	1.51	
				<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0127	EA			8mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	18.32	
				<i>For Up To 10, Add</i>	3.01	
				<i>For &gt;10 To 50, Add</i>	1.51	
				<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0128	EA			10mm Diameter, 125mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	6.70	
				<i>For Up To 10, Add</i>	3.01	
				<i>For &gt;10 To 50, Add</i>	1.51	
				<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0129	EA			10mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	7.12	
				<i>For Up To 10, Add</i>	3.01	
				<i>For &gt;10 To 50, Add</i>	1.51	
				<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0130	EA			10mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	7.55	
				<i>For Up To 10, Add</i>	3.01	
				<i>For &gt;10 To 50, Add</i>	1.51	
				<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0131	EA			10mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	7.93	
				<i>For Up To 10, Add</i>	3.01	
				<i>For &gt;10 To 50, Add</i>	1.51	
				<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0132	EA			10mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.17	
				<i>For Up To 10, Add</i>	3.01	
				<i>For &gt;10 To 50, Add</i>	1.51	
				<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0133	EA			10mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.33	
				<i>For Up To 10, Add</i>	3.01	
				<i>For &gt;10 To 50, Add</i>	1.51	
				<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0134	EA			10mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.62	
				<i>For Up To 10, Add</i>	3.01	
				<i>For &gt;10 To 50, Add</i>	1.51	
				<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0135	EA			10mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	8.73	
				<i>For Up To 10, Add</i>	3.01	
				<i>For &gt;10 To 50, Add</i>	1.51	
				<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0136	EA			10mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.24	
				<i>For Up To 10, Add</i>	3.01	
				<i>For &gt;10 To 50, Add</i>	1.51	
				<i>For Metal Stud Clip, Add</i>	1.88	

**04 Masonry****04 01 Maintenance Of Masonry****04 01 20 Maintenance Of Unit Masonry**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
04 01 20 41-0137	EA	10mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	9.95	
		<i>For Up To 10, Add</i>	3.01	
		<i>For &gt;10 To 50, Add</i>	1.51	
		<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0138	EA	10mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.60	
		<i>For Up To 10, Add</i>	3.01	
		<i>For &gt;10 To 50, Add</i>	1.51	
		<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0139	EA	10mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.42	
		<i>For Up To 10, Add</i>	3.01	
		<i>For &gt;10 To 50, Add</i>	1.51	
		<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0140	EA	10mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	15.88	
		<i>For Up To 10, Add</i>	3.01	
		<i>For &gt;10 To 50, Add</i>	1.51	
		<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0141	EA	10mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	18.02	
		<i>For Up To 10, Add</i>	3.01	
		<i>For &gt;10 To 50, Add</i>	1.51	
		<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0142	EA	10mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	21.89	
		<i>For Up To 10, Add</i>	3.01	
		<i>For &gt;10 To 50, Add</i>	1.51	
		<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0143	EA	8mm Tapered To 6.5mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	7.74	
		<i>For Up To 10, Add</i>	3.01	
		<i>For &gt;10 To 50, Add</i>	1.51	
		<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0144	EA	8mm Tapered To 6.5mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	7.98	
		<i>For Up To 10, Add</i>	3.01	
		<i>For &gt;10 To 50, Add</i>	1.51	
		<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0145	EA	8mm Tapered To 6.5mm Diameter, 185mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	8.15	
		<i>For Up To 10, Add</i>	3.01	
		<i>For &gt;10 To 50, Add</i>	1.51	
		<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0146	EA	8mm Tapered To 6.5mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	8.29	
		<i>For Up To 10, Add</i>	3.01	
		<i>For &gt;10 To 50, Add</i>	1.51	
		<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0147	EA	8mm Tapered To 6.5mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	8.68	
		<i>For Up To 10, Add</i>	3.01	
		<i>For &gt;10 To 50, Add</i>	1.51	
		<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0148	EA	8mm Tapered To 6.5mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	9.30	
		<i>For Up To 10, Add</i>	3.01	
		<i>For &gt;10 To 50, Add</i>	1.51	
		<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0149	EA	8mm Tapered To 6.5mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	9.50	
		<i>For Up To 10, Add</i>	3.01	
		<i>For &gt;10 To 50, Add</i>	1.51	
		<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0150	EA	8mm Tapered To 6.5mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	10.11	
		<i>For Up To 10, Add</i>	3.01	
		<i>For &gt;10 To 50, Add</i>	1.51	
		<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0151	EA	10mm Tapered To 8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	8.36	
		<i>For Up To 10, Add</i>	3.01	
		<i>For &gt;10 To 50, Add</i>	1.51	
		<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0152	EA	10mm Tapered To 8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	8.90	
		<i>For Up To 10, Add</i>	3.01	
		<i>For &gt;10 To 50, Add</i>	1.51	
		<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0153	EA	10mm Tapered To 8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	9.27	
		<i>For Up To 10, Add</i>	3.01	
		<i>For &gt;10 To 50, Add</i>	1.51	
		<i>For Metal Stud Clip, Add</i>	1.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0154 EA 10mm Tapered To 8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	9.52	
<i>For Up To 10, Add</i>	3.01	
<i>For &gt;10 To 50, Add</i>	1.51	
<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0155 EA 10mm Tapered To 8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	9.68	
<i>For Up To 10, Add</i>	3.01	
<i>For &gt;10 To 50, Add</i>	1.51	
<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0156 EA 10mm Tapered To 8mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	10.08	
<i>For Up To 10, Add</i>	3.01	
<i>For &gt;10 To 50, Add</i>	1.51	
<i>For Metal Stud Clip, Add</i>	1.88	
04 01 20 41-0157 EA 316 Stainless Steel, Seismic Connector (Helifix® DryFix®) .....	3.66	
Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.		
<i>For Up To 10, Add</i>	1.51	
<i>For &gt;10 To 50, Add</i>	0.76	
<b>04 01 20 41-0158 Concrete Patching Pins (Helifix® PatchPin) (04 01 20 41-0001)</b>		
Note: Austenitic stainless steel. For patching reinforced concrete. Includes drilling. Excludes patching mortar.		
<b>04 01 20 41-0159 304 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin)</b>		
(04 01 20 41-0158)		
04 01 20 41-0160 EA 8mm Diameter, 70mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin) .....	4.57	
<i>For Up To 10, Add</i>	3.01	
<i>For &gt;10 To 50, Add</i>	1.51	
04 01 20 41-0161 EA 8mm Diameter, 102mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin) .....	4.62	
<i>For Up To 10, Add</i>	3.01	
<i>For &gt;10 To 50, Add</i>	1.51	
<b>04 01 20 41-0162 316 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin)</b>		
(04 01 20 41-0158)		
04 01 20 41-0163 EA 8mm Diameter, 70mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin) .....	4.87	
<i>For Up To 10, Add</i>	3.01	
<i>For &gt;10 To 50, Add</i>	1.51	
04 01 20 41-0164 EA 8mm Diameter, 102mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin) .....	4.94	
<i>For Up To 10, Add</i>	3.01	
<i>For &gt;10 To 50, Add</i>	1.51	
<b>04 01 20 41-0165 Movement Joint Ties (Helifix® Movement Joint Tie) (04 01 20 41-0001)</b>		
Note: Austenitic stainless steel. For creating movement joints in existing walls. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout.		
<b>04 01 20 41-0166 304 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) (04 01 20 41-0165)</b>		
04 01 20 41-0167 EA 6mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie) .....	28.93	
<i>For Up To 10, Add</i>	20.09	
<i>For &gt;10 To 50, Add</i>	10.05	
<b>04 01 20 41-0168 316 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) (04 01 20 41-0165)</b>		
04 01 20 41-0169 EA 6mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie) .....	30.28	
<i>For Up To 10, Add</i>	20.09	
<i>For &gt;10 To 50, Add</i>	10.05	
<b>04 01 20 41-0170 Unit Masonry Stabilization (04 01 20 41)</b>		
<b>04 01 20 41-0171 Repair Bulging Or Loose Masonry (04 01 20 41-0170)</b>		
04 01 20 41-0172 SF Repair Bulging Or Loose Masonry Using Existing Masonry .....	37.55	
Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and reinstalling brick and mortar.		
04 01 20 41-0173 SF Repair Bulging Or Loose Masonry Using New Masonry .....	41.92	
Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and installing new brick and mortar.		
<b>04 01 20 51 Unit Masonry Maintenance (04 01 20)</b>		
04 01 20 51-0001 Grind Unit Masonry (04 01 20 51)		
04 01 20 51-0002 SF Grind Smooth Masonry Wall .....	1.80	
<b>04 01 20 91 Unit Masonry Restoration (04 01 20)</b>		

<b>04</b>	<b>Masonry</b>
<b>04 01</b>	<b>Maintenance Of Masonry</b>
<b>04 01 20</b>	<b>Maintenance Of Unit Masonry</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>04 01 20 91-0001</b>	<b>Cut And Repoint Masonry</b> <small>(04 01 20 91)</small> Note: Remove existing mortar to 3/4" depth. Repoint with pointing mortar. Includes pointing mortar, cutting, rinsing and cleaning joint.	
04 01 20 91-0002	SF Cut And Repoint Brick, Hard Intact Mortar, Running Bond .....	5.22
	<i>For Common Bond, Add</i>	0.19
	<i>For Flemish Bond, Add</i>	0.66
	<i>For English Bond, Add</i>	1.08
	<i>For Oversized Or Larger Than Standard, Deduct</i>	-0.78
	<i>For &gt;250 To 1,000, Deduct</i>	-0.24
	<i>For &gt;1,000, Deduct</i>	-0.50
04 01 20 91-0003	SF Cut And Repoint Brick, Soft, Loose Or Crumbling Mortar, Running Bond .....	3.71
	<i>For Common Bond, Add</i>	0.13
	<i>For Flemish Bond, Add</i>	0.45
	<i>For English Bond, Add</i>	0.74
	<i>For Oversized Or Larger Than Standard, Deduct</i>	-0.56
	<i>For &gt;250 To 1,000, Deduct</i>	-0.16
	<i>For &gt;1,000, Deduct</i>	-0.35
04 01 20 91-0004	SF Cut And Repoint Concrete Block, Hard Intact Mortar, Running Bond .....	2.72
	<i>For Common Bond, Add</i>	0.09
	<i>For Oversized Or Larger Than Standard, Deduct</i>	-0.41
	<i>For &gt;250 To 1,000, Deduct</i>	-0.11
	<i>For &gt;1,000, Deduct</i>	-0.25
04 01 20 91-0005	SF Cut And Repoint Concrete Block, Soft, Loose Or Crumbling Mortar, Running Bond .....	2.01
	<i>For Common Bond, Add</i>	0.06
	<i>For Oversized Or Larger Than Standard, Deduct</i>	-0.30
	<i>For &gt;250 To 1,000, Deduct</i>	-0.08
	<i>For &gt;1,000, Deduct</i>	-0.18
04 01 20 91-0006	LF Cut And Repoint Brick/Block, Irregular Shapes And Other Than Complete SF Area .....	1.95

<b>04 01 20 91-0007</b>	<b>Repair Masonry</b> <small>(04 01 20 91)</small> Note: Includes mortar for repair.	
04 01 20 91-0008	SF Patch And Repair Terra Cotta Walls Or Coping, Including Replacement Of Damaged Material .....	10.00
04 01 20 91-0009	SF Patch And Repair Terra Cotta Floors, Including Replacement Of Damaged Material .....	9.36
04 01 20 91-0010	LF Chip And Repair With Masonry Patch, Cracks Up To 1/4" .....	2.38
04 01 20 91-0011	SF Patching Over Masonry Surface With Elastomeric Paint Using A Trowel 6" Blade .....	6.81
04 01 20 91-0012	LF Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (SealBoss 1570) .....	16.50
	<i>For Cracks Accessible From Both Sides, Add</i>	3.36
04 01 20 91-0013	LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (Sikadur® 52) .....	14.47
	<i>For Cracks Accessible From Both Sides, Add</i>	3.36
04 01 20 91-0014	LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied Trowel (Sikadur® 52) .....	4.05
	<i>For V-Grooving Crack With Grinder, Add</i>	2.57
04 01 20 91-0015	LF >1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied With Trowel (Sikadur® 52) .....	5.75
	<i>For V-Grooving Crack With Grinder, Add</i>	2.43

## 04 01 40 Maintenance of Stone Assemblies (04 01)

### 04 01 40 91 Stone Restoration (04 01 40)

<b>04 01 40 91-0001</b>	<b>Cut And Repoint</b> <small>(04 01 40 91)</small>	
04 01 40 91-0002	LF Cut And Repoint Stone Work .....	3.39
<b>04 01 40 91-0003</b>	<b>Repair</b> <small>(04 01 40 91)</small>	
04 01 40 91-0004	SF Repair Field Stone Walls, Including Remove Damaged Stones And Reset .....	19.26
04 01 40 91-0005	SF Repair Molded Stone .....	2.41
<b>04 01 40 91-0006</b>	<b>Clean And Patch Existing Stonework</b> <small>(04 01 40 91)</small> Note: Excludes cutting, drilling or anchor bolts if required.	
04 01 40 91-0007	SF Clean And Patch Existing Stonework .....	2.72
<b>04 01 40 91-0008</b>	<b>Removal Of Deteriorated Stone</b> <small>(04 01 40 91)</small> Note: Includes cutting of stone for removal.	
04 01 40 91-0009	SF Removal Of Deteriorated Stone .....	4.67
	Note: Does not include material for stone replacement	

## 04 01 50 Maintenance of Refractory Masonry (04 01)

### 04 01 50 52 Refractory Masonry Cleaning (04 01 50)

<b>04 01 50 52-0001</b>	<b>Chimney Cleaning</b> <small>(04 01 50 52)</small>	
04 01 50 52-0002	LF Up To 2 SF Cross Section Chimney Cleaning .....	3.12
04 01 50 52-0003	LF >2 To 4 SF Cross Section Chimney Cleaning .....	6.23
04 01 50 52-0004	LF >4 SF Cross Section Chimney Cleaning .....	9.35



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 04 05 Common Work Results For Masonry (04)

### 04 05 13 Masonry Mortaring (04 05)

#### 04 05 13 26 Engineered Masonry Mortaring (04 05 13)

Note: Mortar, sand and standard supplements are included in the cost of brick, block, stone, simulated or synthetic masonry units.

04 05 13 26-0001	Masonry Cement Mortar (04 05 13 26)	Note: Ratio is bag material to sand.	
04 05 13 26-0002	CF Type M Masonry Cement 1:1:6 Mix .....	6.17	
04 05 13 26-0003	CF Type N Masonry Cement 1:3 Mix .....	5.70	
04 05 13 26-0004	CF Type O Masonry Cement 1:3 Mix .....	5.85	
04 05 13 26-0005	CF Type PM Masonry Cement 1:1:6 Mix, 2,500 PSI .....	6.40	
04 05 13 26-0006	CF Type S Masonry Cement 1/2:1:4 Mix .....	6.75	
04 05 13 26-0007	Mortar Admixture (04 05 13 26)		
04 05 13 26-0008	CF Water - Repellent Stearate - Cost Based On CF Of Mortar .....	0.48	
04 05 13 26-0009	CF Pozzolanic Plasticizers - Cost Based On CF Of Mortar .....	0.09	
04 05 13 26-0010	Color Admixtures For Mortar (04 05 13 26)	Note: Costs are based on CF of mortar.	
04 05 13 26-0011	CF Buff Colored Admixture .....	3.03	
04 05 13 26-0012	CF Brown Colored Admixture .....	3.44	
04 05 13 26-0013	CF Black Colored Admixture .....	4.25	
04 05 13 26-0014	CF Red Colored Admixture .....	9.30	
04 05 13 26-0015	Portland Cement (04 05 13 26)		
04 05 13 26-0016	CF Normal Portland Cement (Type I) .....	16.12	
04 05 13 26-0017	CF Modified Portland Cement (Type II) .....	8.04	
04 05 13 26-0018	CF High Early Strength Portland Cement (Type III) .....	8.53	
04 05 13 26-0019	CF White Non Staining Portland Cement (Type I) .....	17.87	

### 04 05 16 Masonry Grouting (04 05)

#### 04 05 16 26 Engineered Masonry Grouting (04 05 16)

Note: Does not include reinforcement.

04 05 16 26-0001	Grout Bond Beams And Lintels, Grout Fill (04 05 16 26)	Note: Excludes block.	
04 05 16 26-0002	LF Grout Bond Beams And Lintels - 6" Block, Grout Fill Only, 0.1125 CF/LF, 8" Deep .....	2.87	
04 05 16 26-0003	LF Grout Bond Beams And Lintels - 8" Block, Grout Fill Only, 0.20 CF/LF, 8" Deep .....	3.18	
04 05 16 26-0004	LF Grout Bond Beams And Lintels - 10" Block, Grout Fill Only, 0.25 CF/LF, 8" Deep .....	3.67	
04 05 16 26-0005	LF Grout Bond Beams And Lintels, 12" Block, Grout Fill Only, 0.30 CF/LF, 8" Deep .....	4.19	
04 05 16 26-0006	Grout Concrete Block Cores, Grout Fill (04 05 16 26)	Note: Per SF of face area filled.	
04 05 16 26-0007	SF Grout Concrete Block Cores- 4" Block, Grout Fill Block Solid (0.067 CF/SF) .....	1.96	
04 05 16 26-0008	SF Grout Concrete Block Cores- 6" Block, Grout Fill Block Solid (0.175 CF/SF) .....	3.18	
04 05 16 26-0009	SF Grout Concrete Block Cores- 8" Block, Grout Fill Block Solid (0.258 CF/SF) .....	4.57	
04 05 16 26-0010	SF Grout Concrete Block Cores- 10" Block, Grout Fill Block Solid (0.34 CF/SF) .....	5.72	
04 05 16 26-0011	SF Grout Concrete Block Cores- 12" Block, Grout Fill Block Solid (0.422 CF/SF) .....	6.83	
04 05 16 26-0012	Grout Cavity Walls, Grout Fill (04 05 16 26)	Note: Per SF of face area filled.	
04 05 16 26-0013	SF Grout Cavity Walls - 2" Space, Grout Fill (0.167 CF/SF) .....	2.68	
04 05 16 26-0014	SF Grout Cavity Walls - 3" Space, Grout Fill (0.250 CF/SF) .....	3.84	
04 05 16 26-0015	SF Grout Cavity Walls - 4" Space, Grout Fill (0.333 CF/SF) .....	4.90	
04 05 16 26-0016	SF Grout Cavity Walls - 6" Space, Grout Fill (0.500 CF/SF) .....	6.84	
04 05 16 26-0017	Grout Frames, Grout Fill (04 05 16 26)		
04 05 16 26-0018	LF Grout Door Frames - Grout Fill .....	4.67	
04 05 16 26-0019	LF Grout Window Frames - Grout Fill .....	4.06	
04 05 16 26-0020	Sand Filled Walls (04 05 16 26)		
04 05 16 26-0021	Sand Fill Cavity Walls, Sand Fill (04 05 16 26-0020)	Note: Per SF of face area filled.	
04 05 16 26-0022	SF Sand Fill Cavity Walls - 2" Space, Sand Fill (0.167 CF/SF) .....	1.78	
04 05 16 26-0023	SF Sand Fill Cavity Walls - 3" Space, Sand Fill (0.250 CF/SF) .....	2.48	
04 05 16 26-0024	SF Sand Fill Cavity Walls - 4" Space, Sand Fill (0.333 CF/SF) .....	3.06	
04 05 16 26-0025	SF Sand Fill Cavity Walls - 6" Space, Sand Fill (0.500 CF/SF) .....	4.14	

**04 Masonry****04 05 Common Work Results For Masonry****04 05 16 Masonry Grouting**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**04 05 19 Masonry Anchorage And Reinforcing** (04 05)**04 05 19 13 Continuous Joint Reinforcing** (04 05 19)

Note: Includes cutting and bending.

04 05 19 13-0001	Continuous Joint Reinforcing	(04 05 19 13)	
04 05 19 13-0002	Ladder-Type, Masonry Wall Reinforcement	(04 05 19 13-0001)	
04 05 19 13-0003	Ladder-Type, Masonry Wall Reinforcement	(04 05 19 13-0002)	
04 05 19 13-0004	Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	(04 05 19 13-0003)	
04 05 19 13-0005	CLF #4 (For 4" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement		42.71
	For Hot-Dipped Galvanized, Add		11.50
	For Stainless Steel, Add		46.00
04 05 19 13-0006	CLF #6 (For 6" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement		45.21
	For Hot-Dipped Galvanized, Add		12.08
	For Stainless Steel, Add		48.32
04 05 19 13-0007	CLF #8 (For 8" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement		48.43
	For Hot-Dipped Galvanized, Add		12.73
	For Stainless Steel, Add		50.92
04 05 19 13-0008	CLF #10 (For 10" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement		52.21
	For Hot-Dipped Galvanized, Add		13.47
	For Stainless Steel, Add		53.88
04 05 19 13-0009	CLF #12 (For 12" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement		56.47
	For Hot-Dipped Galvanized, Add		14.20
	For Stainless Steel, Add		56.78
04 05 19 13-0010	CLF #13 (For 13" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement		59.41
	For Hot-Dipped Galvanized, Add		14.55
	For Stainless Steel, Add		58.18
04 05 19 13-0011	CLF #14 (For 14" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement		61.73
	For Hot-Dipped Galvanized, Add		14.95
	For Stainless Steel, Add		59.80
04 05 19 13-0012	CLF #16 (For 16" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement		74.96
	For Hot-Dipped Galvanized, Add		20.55
	For Stainless Steel, Add		82.20
04 05 19 13-0013	CLF #18 (For 18" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement		99.42
	For Hot-Dipped Galvanized, Add		31.77
	For Stainless Steel, Add		127.08
04 05 19 13-0014	Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	(04 05 19 13-0003)	
04 05 19 13-0015	CLF #4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement		55.46
	For Hot-Dipped Galvanized, Add		17.88
	For Stainless Steel, Add		71.50
04 05 19 13-0016	CLF #6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement		58.10
	For Hot-Dipped Galvanized, Add		18.53
	For Stainless Steel, Add		74.10
04 05 19 13-0017	CLF #8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement		61.47
	For Hot-Dipped Galvanized, Add		19.25
	For Stainless Steel, Add		77.00
04 05 19 13-0018	CLF #10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement		65.11
	For Hot-Dipped Galvanized, Add		19.92
	For Stainless Steel, Add		79.68
04 05 19 13-0019	CLF #12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement		69.32
	For Hot-Dipped Galvanized, Add		20.62
	For Stainless Steel, Add		82.48
04 05 19 13-0020	CLF #13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement		72.33
	For Hot-Dipped Galvanized, Add		21.01
	For Stainless Steel, Add		84.04
04 05 19 13-0021	CLF #14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement		74.56
	For Hot-Dipped Galvanized, Add		21.36
	For Stainless Steel, Add		85.44



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0022 CLF #16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	91.92	
<i>For Hot-Dipped Galvanized, Add</i>	29.03	
<i>For Stainless Steel, Add</i>	116.12	
04 05 19 13-0023 CLF #18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	128.50	
<i>For Hot-Dipped Galvanized, Add</i>	46.32	
<i>For Stainless Steel, Add</i>	185.26	
<b>04 05 19 13-0024 Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)</b>		
04 05 19 13-0025 CLF #4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	67.82	
<i>For Hot-Dipped Galvanized, Add</i>	24.06	
<i>For Stainless Steel, Add</i>	96.22	
04 05 19 13-0026 CLF #6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	71.98	
<i>For Hot-Dipped Galvanized, Add</i>	25.38	
<i>For Stainless Steel, Add</i>	101.50	
04 05 19 13-0027 CLF #8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	76.15	
<i>For Hot-Dipped Galvanized, Add</i>	26.70	
<i>For Stainless Steel, Add</i>	106.80	
04 05 19 13-0028 CLF #10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	81.84	
<i>For Hot-Dipped Galvanized, Add</i>	28.29	
<i>For Stainless Steel, Add</i>	113.14	
04 05 19 13-0029 CLF #12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	87.50	
<i>For Hot-Dipped Galvanized, Add</i>	29.85	
<i>For Stainless Steel, Add</i>	119.40	
04 05 19 13-0030 CLF #13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	91.71	
<i>For Hot-Dipped Galvanized, Add</i>	30.70	
<i>For Stainless Steel, Add</i>	122.78	
04 05 19 13-0031 CLF #14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	94.41	
<i>For Hot-Dipped Galvanized, Add</i>	31.42	
<i>For Stainless Steel, Add</i>	125.66	
04 05 19 13-0032 CLF #16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	99.58	
<i>For Hot-Dipped Galvanized, Add</i>	32.86	
<i>For Stainless Steel, Add</i>	131.44	
04 05 19 13-0033 CLF #18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	145.07	
<i>For Hot-Dipped Galvanized, Add</i>	54.60	
<i>For Stainless Steel, Add</i>	218.38	
<b>04 05 19 13-0034 Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)</b>		
04 05 19 13-0035 CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	72.07	
<i>For Hot-Dipped Galvanized, Add</i>	26.18	
<i>For Stainless Steel, Add</i>	104.72	
04 05 19 13-0036 CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	74.55	
<i>For Hot-Dipped Galvanized, Add</i>	26.75	
<i>For Stainless Steel, Add</i>	107.00	
04 05 19 13-0037 CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	77.78	
<i>For Hot-Dipped Galvanized, Add</i>	27.41	
<i>For Stainless Steel, Add</i>	109.62	
04 05 19 13-0038 CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	81.56	
<i>For Hot-Dipped Galvanized, Add</i>	28.15	
<i>For Stainless Steel, Add</i>	112.58	
04 05 19 13-0039 CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	85.81	
<i>For Hot-Dipped Galvanized, Add</i>	28.87	
<i>For Stainless Steel, Add</i>	115.46	
04 05 19 13-0040 CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	88.75	
<i>For Hot-Dipped Galvanized, Add</i>	29.22	
<i>For Stainless Steel, Add</i>	116.86	
04 05 19 13-0041 CLF #14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	91.07	
<i>For Hot-Dipped Galvanized, Add</i>	29.62	
<i>For Stainless Steel, Add</i>	118.48	
04 05 19 13-0042 CLF #16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	104.30	
<i>For Hot-Dipped Galvanized, Add</i>	35.22	
<i>For Stainless Steel, Add</i>	140.88	



**04 Masonry****04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

04 05 19 13-0043	Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>		
04 05 19 13-0044	CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	84.82	
	For Hot-Dipped Galvanized, Add	32.56	
	For Stainless Steel, Add	130.22	
04 05 19 13-0045	CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	87.47	
	For Hot-Dipped Galvanized, Add	33.21	
	For Stainless Steel, Add	132.84	
04 05 19 13-0046	CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	90.83	
	For Hot-Dipped Galvanized, Add	33.93	
	For Stainless Steel, Add	135.72	
04 05 19 13-0047	CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	94.47	
	For Hot-Dipped Galvanized, Add	34.60	
	For Stainless Steel, Add	138.40	
04 05 19 13-0048	CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	98.69	
	For Hot-Dipped Galvanized, Add	35.31	
	For Stainless Steel, Add	141.22	
04 05 19 13-0049	CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	101.69	
	For Hot-Dipped Galvanized, Add	35.69	
	For Stainless Steel, Add	142.76	
04 05 19 13-0050	CLF #14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	103.93	
	For Hot-Dipped Galvanized, Add	36.05	
	For Stainless Steel, Add	144.18	
04 05 19 13-0051	CLF #16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	121.28	
	For Hot-Dipped Galvanized, Add	43.71	
	For Stainless Steel, Add	174.84	
04 05 19 13-0052	CLF #18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	157.87	
	For Hot-Dipped Galvanized, Add	61.00	
	For Stainless Steel, Add	244.00	
04 05 19 13-0053	Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>		
04 05 19 13-0054	CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	97.16	
	For Hot-Dipped Galvanized, Add	38.73	
	For Stainless Steel, Add	154.90	
04 05 19 13-0055	CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	101.33	
	For Hot-Dipped Galvanized, Add	40.05	
	For Stainless Steel, Add	160.20	
04 05 19 13-0056	CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	105.50	
	For Hot-Dipped Galvanized, Add	41.38	
	For Stainless Steel, Add	165.50	
04 05 19 13-0057	CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	111.18	
	For Hot-Dipped Galvanized, Add	42.96	
	For Stainless Steel, Add	171.82	
04 05 19 13-0058	CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	116.86	
	For Hot-Dipped Galvanized, Add	44.53	
	For Stainless Steel, Add	178.12	
04 05 19 13-0059	CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	121.06	
	For Hot-Dipped Galvanized, Add	45.37	
	For Stainless Steel, Add	181.48	
04 05 19 13-0060	CLF #14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	123.76	
	For Hot-Dipped Galvanized, Add	46.09	
	For Stainless Steel, Add	184.36	
04 05 19 13-0061	CLF #16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	128.92	
	For Hot-Dipped Galvanized, Add	47.53	
	For Stainless Steel, Add	190.12	
04 05 19 13-0062	CLF #18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	174.42	
	For Hot-Dipped Galvanized, Add	69.27	
	For Stainless Steel, Add	277.08	
04 05 19 13-0063	Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0003)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0064 CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	101.42	
<i>For Hot-Dipped Galvanized, Add</i>	40.86	
<i>For Stainless Steel, Add</i>	163.42	
04 05 19 13-0065 CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	103.90	
<i>For Hot-Dipped Galvanized, Add</i>	41.43	
<i>For Stainless Steel, Add</i>	165.70	
04 05 19 13-0066 CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	107.13	
<i>For Hot-Dipped Galvanized, Add</i>	42.08	
<i>For Stainless Steel, Add</i>	168.32	
04 05 19 13-0067 CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	110.91	
<i>For Hot-Dipped Galvanized, Add</i>	42.82	
<i>For Stainless Steel, Add</i>	171.28	
04 05 19 13-0068 CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	115.16	
<i>For Hot-Dipped Galvanized, Add</i>	43.54	
<i>For Stainless Steel, Add</i>	174.16	
04 05 19 13-0069 CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	118.10	
<i>For Hot-Dipped Galvanized, Add</i>	43.89	
<i>For Stainless Steel, Add</i>	175.56	
04 05 19 13-0070 CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	120.42	
<i>For Hot-Dipped Galvanized, Add</i>	44.30	
<i>For Stainless Steel, Add</i>	177.18	
04 05 19 13-0071 CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	133.65	
<i>For Hot-Dipped Galvanized, Add</i>	49.90	
<i>For Stainless Steel, Add</i>	199.58	
04 05 19 13-0072 CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	158.11	
<i>For Hot-Dipped Galvanized, Add</i>	61.12	
<i>For Stainless Steel, Add</i>	244.46	
<b>04 05 19 13-0073 Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0003)</small>		
04 05 19 13-0074 CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	114.17	
<i>For Hot-Dipped Galvanized, Add</i>	47.23	
<i>For Stainless Steel, Add</i>	188.92	
04 05 19 13-0075 CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	116.82	
<i>For Hot-Dipped Galvanized, Add</i>	47.89	
<i>For Stainless Steel, Add</i>	191.54	
04 05 19 13-0076 CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	120.18	
<i>For Hot-Dipped Galvanized, Add</i>	48.61	
<i>For Stainless Steel, Add</i>	194.42	
04 05 19 13-0077 CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, Four-Wire, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	123.82	
<i>For Hot-Dipped Galvanized, Add</i>	49.28	
<i>For Stainless Steel, Add</i>	197.10	
04 05 19 13-0078 CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	128.04	
<i>For Hot-Dipped Galvanized, Add</i>	49.98	
<i>For Stainless Steel, Add</i>	199.92	
04 05 19 13-0079 CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	131.04	
<i>For Hot-Dipped Galvanized, Add</i>	50.37	
<i>For Stainless Steel, Add</i>	201.46	
04 05 19 13-0080 CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	133.28	
<i>For Hot-Dipped Galvanized, Add</i>	50.72	
<i>For Stainless Steel, Add</i>	202.88	
04 05 19 13-0081 CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	150.63	
<i>For Hot-Dipped Galvanized, Add</i>	58.39	
<i>For Stainless Steel, Add</i>	233.54	
04 05 19 13-0082 CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	187.22	
<i>For Hot-Dipped Galvanized, Add</i>	75.68	
<i>For Stainless Steel, Add</i>	302.70	
<b>04 05 19 13-0083 Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0003)</small>		
04 05 19 13-0084 CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement .....	126.51	
<i>For Hot-Dipped Galvanized, Add</i>	53.40	
<i>For Stainless Steel, Add</i>	213.60	

**04 Masonry****04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0085	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	130.68		
		<i>For Hot-Dipped Galvanized, Add</i>	54.73		
		<i>For Stainless Steel, Add</i>	218.90		
04 05 19 13-0086	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	134.85		
		<i>For Hot-Dipped Galvanized, Add</i>	56.05		
		<i>For Stainless Steel, Add</i>	224.20		
04 05 19 13-0087	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	140.53		
		<i>For Hot-Dipped Galvanized, Add</i>	57.63		
		<i>For Stainless Steel, Add</i>	230.52		
04 05 19 13-0088	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	146.21		
		<i>For Hot-Dipped Galvanized, Add</i>	59.21		
		<i>For Stainless Steel, Add</i>	236.82		
04 05 19 13-0089	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	150.41		
		<i>For Hot-Dipped Galvanized, Add</i>	60.05		
		<i>For Stainless Steel, Add</i>	240.18		
04 05 19 13-0090	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	153.11		
		<i>For Hot-Dipped Galvanized, Add</i>	60.77		
		<i>For Stainless Steel, Add</i>	243.06		
04 05 19 13-0091	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	158.27		
		<i>For Hot-Dipped Galvanized, Add</i>	62.21		
		<i>For Stainless Steel, Add</i>	248.82		
04 05 19 13-0092	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	203.77		
		<i>For Hot-Dipped Galvanized, Add</i>	83.95		
		<i>For Stainless Steel, Add</i>	335.78		
04 05 19 13-0093		Ladder-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>			
04 05 19 13-0094		9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0083)</small>			
04 05 19 13-0095	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	64.68		
		<i>For Hot-Dipped Galvanized, Add</i>	19.55		
		<i>For Stainless Steel, Add</i>	78.20		
04 05 19 13-0096	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	71.12		
		<i>For Hot-Dipped Galvanized, Add</i>	21.35		
		<i>For Stainless Steel, Add</i>	85.38		
04 05 19 13-0097	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	77.13		
		<i>For Hot-Dipped Galvanized, Add</i>	22.93		
		<i>For Stainless Steel, Add</i>	91.72		
04 05 19 13-0098	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	81.81		
		<i>For Hot-Dipped Galvanized, Add</i>	23.85		
		<i>For Stainless Steel, Add</i>	95.38		
04 05 19 13-0099	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	84.92		
		<i>For Hot-Dipped Galvanized, Add</i>	24.69		
		<i>For Stainless Steel, Add</i>	98.76		
04 05 19 13-0100	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	91.24		
		<i>For Hot-Dipped Galvanized, Add</i>	26.58		
		<i>For Stainless Steel, Add</i>	106.30		
04 05 19 13-0101	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	96.62		
		<i>For Hot-Dipped Galvanized, Add</i>	28.13		
		<i>For Stainless Steel, Add</i>	112.50		
04 05 19 13-0102		3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0093)</small>			
04 05 19 13-0103	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	80.56		
		<i>For Hot-Dipped Galvanized, Add</i>	27.49		
		<i>For Stainless Steel, Add</i>	109.96		
04 05 19 13-0104	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	87.04		
		<i>For Hot-Dipped Galvanized, Add</i>	29.31		
		<i>For Stainless Steel, Add</i>	117.22		
04 05 19 13-0105	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	92.87		
		<i>For Hot-Dipped Galvanized, Add</i>	30.80		
		<i>For Stainless Steel, Add</i>	123.20		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0106 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	97.73	
<i>For Hot-Dipped Galvanized, Add</i>	31.81	
<i>For Stainless Steel, Add</i>	127.22	
04 05 19 13-0107 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	100.80	
<i>For Hot-Dipped Galvanized, Add</i>	32.63	
<i>For Stainless Steel, Add</i>	130.52	
04 05 19 13-0108 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	107.12	
<i>For Hot-Dipped Galvanized, Add</i>	34.52	
<i>For Stainless Steel, Add</i>	138.06	
04 05 19 13-0109 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	112.71	
<i>For Hot-Dipped Galvanized, Add</i>	36.17	
<i>For Stainless Steel, Add</i>	144.68	
<b>04 05 19 13-0110 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0093)</small>		
04 05 19 13-0111 CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	88.27	
<i>For Hot-Dipped Galvanized, Add</i>	31.35	
<i>For Stainless Steel, Add</i>	125.38	
04 05 19 13-0112 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	96.58	
<i>For Hot-Dipped Galvanized, Add</i>	34.08	
<i>For Stainless Steel, Add</i>	136.30	
04 05 19 13-0113 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	104.78	
<i>For Hot-Dipped Galvanized, Add</i>	36.76	
<i>For Stainless Steel, Add</i>	147.02	
04 05 19 13-0114 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	110.48	
<i>For Hot-Dipped Galvanized, Add</i>	38.18	
<i>For Stainless Steel, Add</i>	152.72	
04 05 19 13-0115 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	114.51	
<i>For Hot-Dipped Galvanized, Add</i>	39.49	
<i>For Stainless Steel, Add</i>	157.94	
04 05 19 13-0116 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	122.62	
<i>For Hot-Dipped Galvanized, Add</i>	42.27	
<i>For Stainless Steel, Add</i>	169.06	
04 05 19 13-0117 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	130.36	
<i>For Hot-Dipped Galvanized, Add</i>	45.00	
<i>For Stainless Steel, Add</i>	179.98	
<b>04 05 19 13-0118 Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0002)</small>		
<b>04 05 19 13-0119 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0118)</small>		
04 05 19 13-0120 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	107.43	
<i>For Hot-Dipped Galvanized, Add</i>	40.93	
<i>For Stainless Steel, Add</i>	163.70	
04 05 19 13-0121 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	112.78	
<i>For Hot-Dipped Galvanized, Add</i>	42.18	
<i>For Stainless Steel, Add</i>	168.70	
04 05 19 13-0122 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	118.16	
<i>For Hot-Dipped Galvanized, Add</i>	43.45	
<i>For Stainless Steel, Add</i>	173.78	
04 05 19 13-0123 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	125.25	
<i>For Hot-Dipped Galvanized, Add</i>	44.86	
<i>For Stainless Steel, Add</i>	179.42	
04 05 19 13-0124 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	130.62	
<i>For Hot-Dipped Galvanized, Add</i>	46.27	
<i>For Stainless Steel, Add</i>	185.06	
04 05 19 13-0125 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	137.19	
<i>For Hot-Dipped Galvanized, Add</i>	48.41	
<i>For Stainless Steel, Add</i>	193.64	
<b>04 05 19 13-0126 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0118)</small>		

**04 Masonry****04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0127 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	132.34	
For Hot-Dipped Galvanized, Add	53.38	
For Stainless Steel, Add	213.52	
04 05 19 13-0128 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	137.72	
For Hot-Dipped Galvanized, Add	54.65	
For Stainless Steel, Add	218.58	
04 05 19 13-0129 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	143.41	
For Hot-Dipped Galvanized, Add	56.07	
For Stainless Steel, Add	224.28	
04 05 19 13-0130 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	150.18	
For Hot-Dipped Galvanized, Add	57.32	
For Stainless Steel, Add	229.28	
04 05 19 13-0131 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	155.59	
For Hot-Dipped Galvanized, Add	58.75	
For Stainless Steel, Add	235.00	
04 05 19 13-0132 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	160.72	
For Hot-Dipped Galvanized, Add	60.18	
For Stainless Steel, Add	240.70	
<b>04 05 19 13-0133 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0118)</b>		
04 05 19 13-0134 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	134.17	
For Hot-Dipped Galvanized, Add	54.30	
For Stainless Steel, Add	217.18	
04 05 19 13-0135 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	140.93	
For Hot-Dipped Galvanized, Add	56.25	
For Stainless Steel, Add	225.00	
04 05 19 13-0136 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	147.64	
For Hot-Dipped Galvanized, Add	58.19	
For Stainless Steel, Add	232.74	
04 05 19 13-0137 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	156.60	
For Hot-Dipped Galvanized, Add	60.53	
For Stainless Steel, Add	242.12	
04 05 19 13-0138 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	163.79	
For Hot-Dipped Galvanized, Add	62.85	
For Stainless Steel, Add	251.40	
04 05 19 13-0139 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	170.69	
For Hot-Dipped Galvanized, Add	65.16	
For Stainless Steel, Add	260.64	
<b>04 05 19 13-0140 Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0002)</b>		
<b>04 05 19 13-0141 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0140)</b>		
04 05 19 13-0142 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	114.93	
For Hot-Dipped Galvanized, Add	43.25	
For Stainless Steel, Add	173.00	
04 05 19 13-0143 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	120.24	
For Hot-Dipped Galvanized, Add	44.49	
For Stainless Steel, Add	177.94	
04 05 19 13-0144 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	126.97	
For Hot-Dipped Galvanized, Add	45.72	
For Stainless Steel, Add	182.86	
04 05 19 13-0145 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	132.45	
For Hot-Dipped Galvanized, Add	47.18	
For Stainless Steel, Add	188.72	
04 05 19 13-0146 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	137.55	
For Hot-Dipped Galvanized, Add	48.59	
For Stainless Steel, Add	194.36	
04 05 19 13-0147 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	144.80	
For Hot-Dipped Galvanized, Add	51.43	
For Stainless Steel, Add	205.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>04 05 19 13-0148</b> <b>3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0140)</small>		
04 05 19 13-0149     CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	139.87	
For Hot-Dipped Galvanized, Add	55.72	
For Stainless Steel, Add	222.88	
04 05 19 13-0150     CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	145.21	
For Hot-Dipped Galvanized, Add	56.97	
For Stainless Steel, Add	227.88	
04 05 19 13-0151     CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	152.30	
For Hot-Dipped Galvanized, Add	58.38	
For Stainless Steel, Add	233.52	
04 05 19 13-0152     CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	157.35	
For Hot-Dipped Galvanized, Add	59.63	
For Stainless Steel, Add	238.52	
04 05 19 13-0153     CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	162.48	
For Hot-Dipped Galvanized, Add	61.06	
For Stainless Steel, Add	244.22	
04 05 19 13-0154     CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	170.05	
For Hot-Dipped Galvanized, Add	64.05	
For Stainless Steel, Add	256.20	
<b>04 05 19 13-0155</b> <b>3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0140)</small>		
04 05 19 13-0156     CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	141.63	
For Hot-Dipped Galvanized, Add	56.60	
For Stainless Steel, Add	226.40	
04 05 19 13-0157     CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	148.38	
For Hot-Dipped Galvanized, Add	58.56	
For Stainless Steel, Add	234.22	
04 05 19 13-0158     CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	156.60	
For Hot-Dipped Galvanized, Add	60.53	
For Stainless Steel, Add	242.12	
04 05 19 13-0159     CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	163.79	
For Hot-Dipped Galvanized, Add	62.85	
For Stainless Steel, Add	251.40	
04 05 19 13-0160     CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	170.69	
For Hot-Dipped Galvanized, Add	65.16	
For Stainless Steel, Add	260.64	
04 05 19 13-0161     CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	178.89	
For Hot-Dipped Galvanized, Add	68.47	
For Stainless Steel, Add	273.88	
<b>04 05 19 13-0162</b> <b>Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0002)</small>		
<b>04 05 19 13-0163</b> <b>9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0162)</small>		
04 05 19 13-0164     CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	106.73	
For Hot-Dipped Galvanized, Add	39.15	
For Stainless Steel, Add	156.60	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0165     CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	111.61	
For Hot-Dipped Galvanized, Add	40.17	
For Stainless Steel, Add	160.68	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0166     CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	118.06	
For Hot-Dipped Galvanized, Add	41.26	
For Stainless Steel, Add	165.04	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0167     CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	122.94	
For Hot-Dipped Galvanized, Add	42.43	
For Stainless Steel, Add	169.70	
For Seismic Hook And Eye, Add	27.50	

**04 Masonry****04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0168	CLF	#16	(For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	127.65	
			<i>For Hot-Dipped Galvanized, Add</i>	43.64	
			<i>For Stainless Steel, Add</i>	174.56	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0169	CLF	#18	(For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	131.41	
			<i>For Hot-Dipped Galvanized, Add</i>	44.73	
			<i>For Stainless Steel, Add</i>	178.92	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
<b>04 05 19 13-0170</b>			<b>3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0162)</small>		
04 05 19 13-0171	CLF	#8	(For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	130.11	
			<i>For Hot-Dipped Galvanized, Add</i>	50.84	
			<i>For Stainless Steel, Add</i>	203.36	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0172	CLF	#10	(For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	134.54	
			<i>For Hot-Dipped Galvanized, Add</i>	51.64	
			<i>For Stainless Steel, Add</i>	206.54	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0173	CLF	#12	(For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	141.06	
			<i>For Hot-Dipped Galvanized, Add</i>	52.76	
			<i>For Stainless Steel, Add</i>	211.04	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0174	CLF	#14	(For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	145.80	
			<i>For Hot-Dipped Galvanized, Add</i>	53.86	
			<i>For Stainless Steel, Add</i>	215.42	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0175	CLF	#16	(For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	150.26	
			<i>For Hot-Dipped Galvanized, Add</i>	54.95	
			<i>For Stainless Steel, Add</i>	219.78	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0176	CLF	#18	(For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	156.56	
			<i>For Hot-Dipped Galvanized, Add</i>	57.31	
			<i>For Stainless Steel, Add</i>	229.22	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
<b>04 05 19 13-0177</b>			<b>3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0162)</small>		
04 05 19 13-0178	CLF	#8	(For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	131.84	
			<i>For Hot-Dipped Galvanized, Add</i>	51.71	
			<i>For Stainless Steel, Add</i>	206.82	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0179	CLF	#10	(For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	138.41	
			<i>For Hot-Dipped Galvanized, Add</i>	53.57	
			<i>For Stainless Steel, Add</i>	214.28	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0180	CLF	#12	(For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	146.38	
			<i>For Hot-Dipped Galvanized, Add</i>	55.42	
			<i>For Stainless Steel, Add</i>	221.68	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0181	CLF	#14	(For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	153.37	
			<i>For Hot-Dipped Galvanized, Add</i>	57.64	
			<i>For Stainless Steel, Add</i>	230.56	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0182	CLF	#16	(For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	160.09	
			<i>For Hot-Dipped Galvanized, Add</i>	59.86	
			<i>For Stainless Steel, Add</i>	239.44	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0183	CLF	#18	(For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	166.07	
			<i>For Hot-Dipped Galvanized, Add</i>	62.06	
			<i>For Stainless Steel, Add</i>	248.24	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
<b>04 05 19 13-0184</b>			<b>Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0002)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>04 05 19 13-0185</b> <b>9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0184)</small>		
04 05 19 13-0186    CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	114.22	
For Hot-Dipped Galvanized, Add	41.48	
For Stainless Steel, Add	165.90	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0187    CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	120.49	
For Hot-Dipped Galvanized, Add	42.48	
For Stainless Steel, Add	169.90	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0188    CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	125.05	
For Hot-Dipped Galvanized, Add	43.48	
For Stainless Steel, Add	173.92	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0189    CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	129.90	
For Hot-Dipped Galvanized, Add	44.77	
For Stainless Steel, Add	179.06	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0190    CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	133.81	
For Hot-Dipped Galvanized, Add	45.93	
For Stainless Steel, Add	183.72	
For Seismic Hook And Eye, Add	27.50	
<b>04 05 19 13-0191</b> <b>3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0184)</small>		
04 05 19 13-0192    CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	136.76	
For Hot-Dipped Galvanized, Add	52.75	
For Stainless Steel, Add	210.98	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0193    CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	143.21	
For Hot-Dipped Galvanized, Add	53.84	
For Stainless Steel, Add	215.34	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0194    CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	148.09	
For Hot-Dipped Galvanized, Add	55.00	
For Stainless Steel, Add	220.00	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0195    CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	152.23	
For Hot-Dipped Galvanized, Add	55.93	
For Stainless Steel, Add	223.72	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0196    CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	156.35	
For Hot-Dipped Galvanized, Add	57.20	
For Stainless Steel, Add	228.80	
For Seismic Hook And Eye, Add	27.50	
<b>04 05 19 13-0197</b> <b>3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0184)</small>		
04 05 19 13-0198    CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	139.08	
For Hot-Dipped Galvanized, Add	53.91	
For Stainless Steel, Add	215.62	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0199    CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	147.09	
For Hot-Dipped Galvanized, Add	55.78	
For Stainless Steel, Add	223.10	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0200    CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	153.37	
For Hot-Dipped Galvanized, Add	57.64	
For Stainless Steel, Add	230.56	
For Seismic Hook And Eye, Add	27.50	
04 05 19 13-0201    CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	160.09	
For Hot-Dipped Galvanized, Add	59.86	
For Stainless Steel, Add	239.44	
For Seismic Hook And Eye, Add	27.50	



**04 Masonry****04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0202	CLF		#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	166.07	
			<i>For Hot-Dipped Galvanized, Add</i>	62.06	
			<i>For Stainless Steel, Add</i>	248.24	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0203			Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0001)</small>		
04 05 19 13-0204			Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0203)</small>		
04 05 19 13-0205			Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		
04 05 19 13-0206	CLF		#4 (For 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	52.32	
			<i>For Hot-Dipped Galvanized, Add</i>	16.31	
			<i>For Stainless Steel, Add</i>	65.22	
04 05 19 13-0207	CLF		#6 (For 6" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	54.02	
			<i>For Hot-Dipped Galvanized, Add</i>	16.49	
			<i>For Stainless Steel, Add</i>	65.94	
04 05 19 13-0208	CLF		#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	57.24	
			<i>For Hot-Dipped Galvanized, Add</i>	17.14	
			<i>For Stainless Steel, Add</i>	68.54	
04 05 19 13-0209	CLF		#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	61.23	
			<i>For Hot-Dipped Galvanized, Add</i>	17.98	
			<i>For Stainless Steel, Add</i>	71.92	
04 05 19 13-0210	CLF		#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	65.94	
			<i>For Hot-Dipped Galvanized, Add</i>	18.93	
			<i>For Stainless Steel, Add</i>	75.72	
04 05 19 13-0211	CLF		#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	69.20	
			<i>For Hot-Dipped Galvanized, Add</i>	19.44	
			<i>For Stainless Steel, Add</i>	77.76	
04 05 19 13-0212	CLF		#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	71.94	
			<i>For Hot-Dipped Galvanized, Add</i>	20.18	
			<i>For Stainless Steel, Add</i>	80.72	
04 05 19 13-0213	CLF		#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	90.57	
			<i>For Hot-Dipped Galvanized, Add</i>	28.36	
			<i>For Stainless Steel, Add</i>	113.42	
04 05 19 13-0214	CLF		#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	95.82	
			<i>For Hot-Dipped Galvanized, Add</i>	29.98	
			<i>For Stainless Steel, Add</i>	119.90	
04 05 19 13-0215	CLF		#20 (For 20" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	142.10	
			<i>For Hot-Dipped Galvanized, Add</i>	51.85	
			<i>For Stainless Steel, Add</i>	207.38	
04 05 19 13-0216			Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement <small>(04 05 19 13-0204)</small>		
04 05 19 13-0217	CLF		#4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	64.93	
			<i>For Hot-Dipped Galvanized, Add</i>	22.61	
			<i>For Stainless Steel, Add</i>	90.44	
04 05 19 13-0218	CLF		#6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	66.91	
			<i>For Hot-Dipped Galvanized, Add</i>	22.93	
			<i>For Stainless Steel, Add</i>	91.72	
04 05 19 13-0219	CLF		#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	70.13	
			<i>For Hot-Dipped Galvanized, Add</i>	23.58	
			<i>For Stainless Steel, Add</i>	94.32	
04 05 19 13-0220	CLF		#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	74.09	
			<i>For Hot-Dipped Galvanized, Add</i>	24.41	
			<i>For Stainless Steel, Add</i>	97.64	
04 05 19 13-0221	CLF		#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	78.62	
			<i>For Hot-Dipped Galvanized, Add</i>	25.27	
			<i>For Stainless Steel, Add</i>	101.08	
04 05 19 13-0222	CLF		#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	82.05	
			<i>For Hot-Dipped Galvanized, Add</i>	25.87	
			<i>For Stainless Steel, Add</i>	103.48	
04 05 19 13-0223	CLF		#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	84.59	
			<i>For Hot-Dipped Galvanized, Add</i>	26.51	
			<i>For Stainless Steel, Add</i>	106.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0224 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	107.54	
<i>For Hot-Dipped Galvanized, Add</i>	36.84	
<i>For Stainless Steel, Add</i>	147.36	
04 05 19 13-0225 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	112.79	
<i>For Hot-Dipped Galvanized, Add</i>	38.46	
<i>For Stainless Steel, Add</i>	153.84	
04 05 19 13-0226 CLF #20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	181.19	
<i>For Hot-Dipped Galvanized, Add</i>	72.66	
<i>For Stainless Steel, Add</i>	290.64	
<b>04 05 19 13-0227 Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>		
04 05 19 13-0228 CLF #4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	84.24	
<i>For Hot-Dipped Galvanized, Add</i>	32.27	
<i>For Stainless Steel, Add</i>	129.06	
04 05 19 13-0229 CLF #6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	86.57	
<i>For Hot-Dipped Galvanized, Add</i>	32.67	
<i>For Stainless Steel, Add</i>	130.68	
04 05 19 13-0230 CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	90.48	
<i>For Hot-Dipped Galvanized, Add</i>	33.87	
<i>For Stainless Steel, Add</i>	135.46	
04 05 19 13-0231 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	96.28	
<i>For Hot-Dipped Galvanized, Add</i>	35.51	
<i>For Stainless Steel, Add</i>	142.02	
04 05 19 13-0232 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	102.89	
<i>For Hot-Dipped Galvanized, Add</i>	37.55	
<i>For Stainless Steel, Add</i>	150.18	
04 05 19 13-0233 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	107.28	
<i>For Hot-Dipped Galvanized, Add</i>	38.48	
<i>For Stainless Steel, Add</i>	153.92	
04 05 19 13-0234 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	111.32	
<i>For Hot-Dipped Galvanized, Add</i>	39.87	
<i>For Stainless Steel, Add</i>	159.48	
04 05 19 13-0235 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	145.79	
<i>For Hot-Dipped Galvanized, Add</i>	55.97	
<i>For Stainless Steel, Add</i>	223.86	
04 05 19 13-0236 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	154.15	
<i>For Hot-Dipped Galvanized, Add</i>	59.14	
<i>For Stainless Steel, Add</i>	236.54	
04 05 19 13-0237 CLF #20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	242.90	
<i>For Hot-Dipped Galvanized, Add</i>	102.25	
<i>For Stainless Steel, Add</i>	408.98	
<b>04 05 19 13-0238 Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>		
04 05 19 13-0239 CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	72.07	
<i>For Hot-Dipped Galvanized, Add</i>	26.18	
<i>For Stainless Steel, Add</i>	104.72	
04 05 19 13-0240 CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	74.55	
<i>For Hot-Dipped Galvanized, Add</i>	26.75	
<i>For Stainless Steel, Add</i>	107.00	
04 05 19 13-0241 CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	77.78	
<i>For Hot-Dipped Galvanized, Add</i>	27.41	
<i>For Stainless Steel, Add</i>	109.62	
04 05 19 13-0242 CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	81.56	
<i>For Hot-Dipped Galvanized, Add</i>	28.15	
<i>For Stainless Steel, Add</i>	112.58	
04 05 19 13-0243 CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	85.81	
<i>For Hot-Dipped Galvanized, Add</i>	28.87	
<i>For Stainless Steel, Add</i>	115.46	
04 05 19 13-0244 CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	88.75	
<i>For Hot-Dipped Galvanized, Add</i>	29.22	
<i>For Stainless Steel, Add</i>	116.86	
04 05 19 13-0245 CLF #14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement .....	91.07	
<i>For Hot-Dipped Galvanized, Add</i>	29.62	
<i>For Stainless Steel, Add</i>	118.48	

**04 Masonry****04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0246	CLF		#16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	104.30	
			<i>For Hot-Dipped Galvanized, Add</i>	35.22	
			<i>For Stainless Steel, Add</i>	140.88	
<b>04 05 19 13-0247</b>			<b>Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>		
04 05 19 13-0248	CLF		#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	84.82	
			<i>For Hot-Dipped Galvanized, Add</i>	32.56	
			<i>For Stainless Steel, Add</i>	130.22	
04 05 19 13-0249	CLF		#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	87.47	
			<i>For Hot-Dipped Galvanized, Add</i>	33.21	
			<i>For Stainless Steel, Add</i>	132.84	
04 05 19 13-0250	CLF		#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	90.83	
			<i>For Hot-Dipped Galvanized, Add</i>	33.93	
			<i>For Stainless Steel, Add</i>	135.72	
04 05 19 13-0251	CLF		#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	94.47	
			<i>For Hot-Dipped Galvanized, Add</i>	34.60	
			<i>For Stainless Steel, Add</i>	138.40	
04 05 19 13-0252	CLF		#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	98.69	
			<i>For Hot-Dipped Galvanized, Add</i>	35.31	
			<i>For Stainless Steel, Add</i>	141.22	
04 05 19 13-0253	CLF		#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	101.69	
			<i>For Hot-Dipped Galvanized, Add</i>	35.69	
			<i>For Stainless Steel, Add</i>	142.76	
04 05 19 13-0254	CLF		#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	103.93	
			<i>For Hot-Dipped Galvanized, Add</i>	36.05	
			<i>For Stainless Steel, Add</i>	144.18	
04 05 19 13-0255	CLF		#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	121.28	
			<i>For Hot-Dipped Galvanized, Add</i>	43.71	
			<i>For Stainless Steel, Add</i>	174.84	
04 05 19 13-0256	CLF		#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	157.87	
			<i>For Hot-Dipped Galvanized, Add</i>	61.00	
			<i>For Stainless Steel, Add</i>	244.00	
<b>04 05 19 13-0257</b>			<b>Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>		
04 05 19 13-0258	CLF		#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	97.16	
			<i>For Hot-Dipped Galvanized, Add</i>	38.73	
			<i>For Stainless Steel, Add</i>	154.90	
04 05 19 13-0259	CLF		#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	101.33	
			<i>For Hot-Dipped Galvanized, Add</i>	40.05	
			<i>For Stainless Steel, Add</i>	160.20	
04 05 19 13-0260	CLF		#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	105.50	
			<i>For Hot-Dipped Galvanized, Add</i>	41.38	
			<i>For Stainless Steel, Add</i>	165.50	
04 05 19 13-0261	CLF		#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	111.18	
			<i>For Hot-Dipped Galvanized, Add</i>	42.96	
			<i>For Stainless Steel, Add</i>	171.82	
04 05 19 13-0262	CLF		#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	116.86	
			<i>For Hot-Dipped Galvanized, Add</i>	44.53	
			<i>For Stainless Steel, Add</i>	178.12	
04 05 19 13-0263	CLF		#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	121.06	
			<i>For Hot-Dipped Galvanized, Add</i>	45.37	
			<i>For Stainless Steel, Add</i>	181.48	
04 05 19 13-0264	CLF		#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	123.76	
			<i>For Hot-Dipped Galvanized, Add</i>	46.09	
			<i>For Stainless Steel, Add</i>	184.36	
04 05 19 13-0265	CLF		#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	128.92	
			<i>For Hot-Dipped Galvanized, Add</i>	47.53	
			<i>For Stainless Steel, Add</i>	190.12	
04 05 19 13-0266	CLF		#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	174.42	
			<i>For Hot-Dipped Galvanized, Add</i>	69.27	
			<i>For Stainless Steel, Add</i>	277.08	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0267				<b>Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>		
04 05 19 13-0268	CLF	#4		(For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	101.42	
				<i>For Hot-Dipped Galvanized, Add</i>	40.86	
				<i>For Stainless Steel, Add</i>	163.42	
04 05 19 13-0269	CLF	#6		(For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	103.90	
				<i>For Hot-Dipped Galvanized, Add</i>	41.43	
				<i>For Stainless Steel, Add</i>	165.70	
04 05 19 13-0270	CLF	#8		(For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	107.13	
				<i>For Hot-Dipped Galvanized, Add</i>	42.08	
				<i>For Stainless Steel, Add</i>	168.32	
04 05 19 13-0271	CLF	#10		(For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	110.91	
				<i>For Hot-Dipped Galvanized, Add</i>	42.82	
				<i>For Stainless Steel, Add</i>	171.28	
04 05 19 13-0272	CLF	#12		(For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	115.16	
				<i>For Hot-Dipped Galvanized, Add</i>	43.54	
				<i>For Stainless Steel, Add</i>	174.16	
04 05 19 13-0273	CLF	#13		(For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	118.10	
				<i>For Hot-Dipped Galvanized, Add</i>	43.89	
				<i>For Stainless Steel, Add</i>	175.56	
04 05 19 13-0274	CLF	#14		(For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	120.42	
				<i>For Hot-Dipped Galvanized, Add</i>	44.30	
				<i>For Stainless Steel, Add</i>	177.18	
04 05 19 13-0275	CLF	#16		(For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	133.65	
				<i>For Hot-Dipped Galvanized, Add</i>	49.90	
				<i>For Stainless Steel, Add</i>	199.58	
04 05 19 13-0276	CLF	#18		(For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	158.11	
				<i>For Hot-Dipped Galvanized, Add</i>	61.12	
				<i>For Stainless Steel, Add</i>	244.46	
04 05 19 13-0277				<b>Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>		
04 05 19 13-0278	CLF	#4		(For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	114.17	
				<i>For Hot-Dipped Galvanized, Add</i>	47.23	
				<i>For Stainless Steel, Add</i>	188.92	
04 05 19 13-0279	CLF	#6		(For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	116.82	
				<i>For Hot-Dipped Galvanized, Add</i>	47.89	
				<i>For Stainless Steel, Add</i>	191.54	
04 05 19 13-0280	CLF	#8		(For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	120.18	
				<i>For Hot-Dipped Galvanized, Add</i>	48.61	
				<i>For Stainless Steel, Add</i>	194.42	
04 05 19 13-0281	CLF	#10		(For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	123.82	
				<i>For Hot-Dipped Galvanized, Add</i>	49.28	
				<i>For Stainless Steel, Add</i>	197.10	
04 05 19 13-0282	CLF	#12		(For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	128.04	
				<i>For Hot-Dipped Galvanized, Add</i>	49.98	
				<i>For Stainless Steel, Add</i>	199.92	
04 05 19 13-0283	CLF	#13		(For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	131.04	
				<i>For Hot-Dipped Galvanized, Add</i>	50.37	
				<i>For Stainless Steel, Add</i>	201.46	
04 05 19 13-0284	CLF	#14		(For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	133.28	
				<i>For Hot-Dipped Galvanized, Add</i>	50.72	
				<i>For Stainless Steel, Add</i>	202.88	
04 05 19 13-0285	CLF	#16		(For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	150.63	
				<i>For Hot-Dipped Galvanized, Add</i>	58.39	
				<i>For Stainless Steel, Add</i>	233.54	
04 05 19 13-0286	CLF	#18		(For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	187.22	
				<i>For Hot-Dipped Galvanized, Add</i>	75.68	
				<i>For Stainless Steel, Add</i>	302.70	
04 05 19 13-0287				<b>Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>		

**04 Masonry****04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0288	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	.....	126.51	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	53.40	
		<i>For Stainless Steel, Add</i>	.....	213.60	
04 05 19 13-0289	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	.....	130.68	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	54.73	
		<i>For Stainless Steel, Add</i>	.....	218.90	
04 05 19 13-0290	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	.....	134.85	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	56.05	
		<i>For Stainless Steel, Add</i>	.....	224.20	
04 05 19 13-0291	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	.....	140.53	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	57.63	
		<i>For Stainless Steel, Add</i>	.....	230.52	
04 05 19 13-0292	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	.....	146.21	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	59.21	
		<i>For Stainless Steel, Add</i>	.....	236.82	
04 05 19 13-0293	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	.....	150.41	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	60.05	
		<i>For Stainless Steel, Add</i>	.....	240.18	
04 05 19 13-0294	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	.....	153.11	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	60.77	
		<i>For Stainless Steel, Add</i>	.....	243.06	
04 05 19 13-0295	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	.....	158.27	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	62.21	
		<i>For Stainless Steel, Add</i>	.....	248.82	
04 05 19 13-0296	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	.....	203.77	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	83.95	
		<i>For Stainless Steel, Add</i>	.....	335.78	
04 05 19 13-0297		Truss-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0203)</small>			
04 05 19 13-0298		9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0297)</small>			
04 05 19 13-0299	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	.....	76.69	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	25.56	
		<i>For Stainless Steel, Add</i>	.....	102.22	
04 05 19 13-0300	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	.....	82.00	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	26.79	
		<i>For Stainless Steel, Add</i>	.....	107.14	
04 05 19 13-0301	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	.....	87.98	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	28.36	
		<i>For Stainless Steel, Add</i>	.....	113.42	
04 05 19 13-0302	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	.....	92.97	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	29.43	
		<i>For Stainless Steel, Add</i>	.....	117.70	
04 05 19 13-0303	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	.....	96.19	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	30.33	
		<i>For Stainless Steel, Add</i>	.....	121.30	
04 05 19 13-0304	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	.....	103.07	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	32.49	
		<i>For Stainless Steel, Add</i>	.....	129.96	
04 05 19 13-0305	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	.....	109.69	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	34.66	
		<i>For Stainless Steel, Add</i>	.....	138.64	
04 05 19 13-0306		3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0297)</small>			
04 05 19 13-0307	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	.....	92.61	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	33.52	
		<i>For Stainless Steel, Add</i>	.....	134.06	
04 05 19 13-0308	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	.....	97.96	
		<i>For Hot-Dipped Galvanized, Add</i>	.....	34.77	
		<i>For Stainless Steel, Add</i>	.....	139.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0309 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	103.86	
<i>For Hot-Dipped Galvanized, Add</i>	36.30	
<i>For Stainless Steel, Add</i>	145.18	
04 05 19 13-0310 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	108.89	
<i>For Hot-Dipped Galvanized, Add</i>	37.39	
<i>For Stainless Steel, Add</i>	149.54	
04 05 19 13-0311 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	112.01	
<i>For Hot-Dipped Galvanized, Add</i>	38.24	
<i>For Stainless Steel, Add</i>	152.94	
04 05 19 13-0312 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	118.92	
<i>For Hot-Dipped Galvanized, Add</i>	40.42	
<i>For Stainless Steel, Add</i>	161.66	
04 05 19 13-0313 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	125.61	
<i>For Hot-Dipped Galvanized, Add</i>	42.62	
<i>For Stainless Steel, Add</i>	170.48	
<b>04 05 19 13-0314 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0297)</small>		
04 05 19 13-0315 CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	107.36	
<i>For Hot-Dipped Galvanized, Add</i>	40.89	
<i>For Stainless Steel, Add</i>	163.56	
04 05 19 13-0316 CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	114.09	
<i>For Hot-Dipped Galvanized, Add</i>	42.83	
<i>For Stainless Steel, Add</i>	171.32	
04 05 19 13-0317 CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	122.25	
<i>For Hot-Dipped Galvanized, Add</i>	45.49	
<i>For Stainless Steel, Add</i>	181.96	
04 05 19 13-0318 CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	127.98	
<i>For Hot-Dipped Galvanized, Add</i>	46.93	
<i>For Stainless Steel, Add</i>	187.72	
04 05 19 13-0319 CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	132.29	
<i>For Hot-Dipped Galvanized, Add</i>	48.38	
<i>For Stainless Steel, Add</i>	193.50	
04 05 19 13-0320 CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	141.36	
<i>For Hot-Dipped Galvanized, Add</i>	51.64	
<i>For Stainless Steel, Add</i>	206.54	
04 05 19 13-0321 CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement .....	149.03	
<i>For Hot-Dipped Galvanized, Add</i>	54.33	
<i>For Stainless Steel, Add</i>	217.32	
<b>04 05 19 13-0322 Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0203)</small>		
<b>04 05 19 13-0323 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0322)</small>		
04 05 19 13-0324 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	126.31	
<i>For Hot-Dipped Galvanized, Add</i>	50.37	
<i>For Stainless Steel, Add</i>	201.46	
04 05 19 13-0325 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	129.87	
<i>For Hot-Dipped Galvanized, Add</i>	50.72	
<i>For Stainless Steel, Add</i>	202.88	
04 05 19 13-0326 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	135.17	
<i>For Hot-Dipped Galvanized, Add</i>	51.95	
<i>For Stainless Steel, Add</i>	207.80	
04 05 19 13-0327 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	142.72	
<i>For Hot-Dipped Galvanized, Add</i>	53.59	
<i>For Stainless Steel, Add</i>	214.36	
04 05 19 13-0328 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	149.14	
<i>For Hot-Dipped Galvanized, Add</i>	55.53	
<i>For Stainless Steel, Add</i>	222.10	
04 05 19 13-0329 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	156.14	
<i>For Hot-Dipped Galvanized, Add</i>	57.89	
<i>For Stainless Steel, Add</i>	231.54	

**04 Masonry****04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>04 05 19 13-0330 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement</b> (04 05 19 13-0322)		
04 05 19 13-0331 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	150.93	
For Hot-Dipped Galvanized, Add	62.68	
For Stainless Steel, Add	250.70	
04 05 19 13-0332 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	154.84	
For Hot-Dipped Galvanized, Add	63.21	
For Stainless Steel, Add	252.82	
04 05 19 13-0333 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	160.14	
For Hot-Dipped Galvanized, Add	64.44	
For Stainless Steel, Add	257.74	
04 05 19 13-0334 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	167.62	
For Hot-Dipped Galvanized, Add	66.04	
For Stainless Steel, Add	264.16	
04 05 19 13-0335 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	173.73	
For Hot-Dipped Galvanized, Add	67.82	
For Stainless Steel, Add	271.28	
04 05 19 13-0336 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	179.60	
For Hot-Dipped Galvanized, Add	69.62	
For Stainless Steel, Add	278.46	
<b>04 05 19 13-0337 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement</b> (04 05 19 13-0322)		
04 05 19 13-0338 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	164.42	
For Hot-Dipped Galvanized, Add	69.42	
For Stainless Steel, Add	277.68	
04 05 19 13-0339 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	168.33	
For Hot-Dipped Galvanized, Add	69.95	
For Stainless Steel, Add	279.80	
04 05 19 13-0340 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	175.04	
For Hot-Dipped Galvanized, Add	71.89	
For Stainless Steel, Add	287.54	
04 05 19 13-0341 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	184.38	
For Hot-Dipped Galvanized, Add	74.42	
For Stainless Steel, Add	297.68	
04 05 19 13-0342 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	193.35	
For Hot-Dipped Galvanized, Add	77.63	
For Stainless Steel, Add	310.52	
04 05 19 13-0343 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement.....	202.74	
For Hot-Dipped Galvanized, Add	81.19	
For Stainless Steel, Add	324.74	
<b>04 05 19 13-0344 Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement</b> (04 05 19 13-0203)		
<b>04 05 19 13-0345 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement</b> (04 05 19 13-0344)		
04 05 19 13-0346 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	133.85	
For Hot-Dipped Galvanized, Add	52.71	
For Stainless Steel, Add	210.84	
04 05 19 13-0347 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	137.43	
For Hot-Dipped Galvanized, Add	53.08	
For Stainless Steel, Add	212.32	
04 05 19 13-0348 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	144.09	
For Hot-Dipped Galvanized, Add	54.28	
For Stainless Steel, Add	217.10	
04 05 19 13-0349 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	149.88	
For Hot-Dipped Galvanized, Add	55.90	
For Stainless Steel, Add	223.58	
04 05 19 13-0350 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	156.11	
For Hot-Dipped Galvanized, Add	57.87	
For Stainless Steel, Add	231.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0351 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	161.70	
<i>For Hot-Dipped Galvanized, Add</i>	59.88	
<i>For Stainless Steel, Add</i>	239.50	
<b>04 05 19 13-0352 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0344)</b>		
04 05 19 13-0353 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	158.40	
<i>For Hot-Dipped Galvanized, Add</i>	64.99	
<i>For Stainless Steel, Add</i>	259.94	
04 05 19 13-0354 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	162.29	
<i>For Hot-Dipped Galvanized, Add</i>	65.51	
<i>For Stainless Steel, Add</i>	262.04	
04 05 19 13-0355 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	169.03	
<i>For Hot-Dipped Galvanized, Add</i>	66.75	
<i>For Stainless Steel, Add</i>	266.98	
04 05 19 13-0356 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	174.82	
<i>For Hot-Dipped Galvanized, Add</i>	68.37	
<i>For Stainless Steel, Add</i>	273.46	
04 05 19 13-0357 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	180.66	
<i>For Hot-Dipped Galvanized, Add</i>	70.15	
<i>For Stainless Steel, Add</i>	280.58	
04 05 19 13-0358 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	186.46	
<i>For Hot-Dipped Galvanized, Add</i>	72.26	
<i>For Stainless Steel, Add</i>	289.02	
<b>04 05 19 13-0359 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0344)</b>		
04 05 19 13-0360 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	171.92	
<i>For Hot-Dipped Galvanized, Add</i>	71.75	
<i>For Stainless Steel, Add</i>	286.98	
04 05 19 13-0361 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	175.78	
<i>For Hot-Dipped Galvanized, Add</i>	72.26	
<i>For Stainless Steel, Add</i>	289.02	
04 05 19 13-0362 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	184.00	
<i>For Hot-Dipped Galvanized, Add</i>	74.23	
<i>For Stainless Steel, Add</i>	296.92	
04 05 19 13-0363 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	191.58	
<i>For Hot-Dipped Galvanized, Add</i>	76.75	
<i>For Stainless Steel, Add</i>	306.98	
04 05 19 13-0364 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	200.24	
<i>For Hot-Dipped Galvanized, Add</i>	79.94	
<i>For Stainless Steel, Add</i>	319.74	
04 05 19 13-0365 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	206.68	
<i>For Hot-Dipped Galvanized, Add</i>	82.37	
<i>For Stainless Steel, Add</i>	329.46	
<b>04 05 19 13-0366 Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0203)</b>		
<b>04 05 19 13-0367 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement (04 05 19 13-0366)</b>		
04 05 19 13-0368 CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	124.37	
<i>For Hot-Dipped Galvanized, Add</i>	47.97	
<i>For Stainless Steel, Add</i>	191.88	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0369 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	127.88	
<i>For Hot-Dipped Galvanized, Add</i>	48.31	
<i>For Stainless Steel, Add</i>	193.22	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0370 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	134.23	
<i>For Hot-Dipped Galvanized, Add</i>	49.35	
<i>For Stainless Steel, Add</i>	197.38	
<i>For Seismic Hook And Eye, Add</i>	27.50	



**04 Masonry****04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0371	CLF	#14	(For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	139.77	
			<i>For Hot-Dipped Galvanized, Add</i>	50.84	
			<i>For Stainless Steel, Add</i>	203.36	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0372	CLF	#16	(For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	145.15	
			<i>For Hot-Dipped Galvanized, Add</i>	52.39	
			<i>For Stainless Steel, Add</i>	209.56	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0373	CLF	#18	(For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	150.54	
			<i>For Hot-Dipped Galvanized, Add</i>	54.30	
			<i>For Stainless Steel, Add</i>	217.18	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
<b>04 05 19 13-0374</b>			<b>3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0366)</small>		
04 05 19 13-0375	CLF	#8	(For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	146.98	
			<i>For Hot-Dipped Galvanized, Add</i>	59.28	
			<i>For Stainless Steel, Add</i>	237.10	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0376	CLF	#10	(For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	150.74	
			<i>For Hot-Dipped Galvanized, Add</i>	59.74	
			<i>For Stainless Steel, Add</i>	238.94	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0377	CLF	#12	(For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	156.91	
			<i>For Hot-Dipped Galvanized, Add</i>	60.69	
			<i>For Stainless Steel, Add</i>	242.74	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0378	CLF	#14	(For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	162.32	
			<i>For Hot-Dipped Galvanized, Add</i>	62.12	
			<i>For Stainless Steel, Add</i>	248.46	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0379	CLF	#16	(For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	167.66	
			<i>For Hot-Dipped Galvanized, Add</i>	63.65	
			<i>For Stainless Steel, Add</i>	254.58	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0380	CLF	#18	(For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	172.62	
			<i>For Hot-Dipped Galvanized, Add</i>	65.34	
			<i>For Stainless Steel, Add</i>	261.34	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
<b>04 05 19 13-0381</b>			<b>3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0366)</small>		
04 05 19 13-0382	CLF	#8	(For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	160.65	
			<i>For Hot-Dipped Galvanized, Add</i>	66.11	
			<i>For Stainless Steel, Add</i>	264.44	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0383	CLF	#10	(For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	164.51	
			<i>For Hot-Dipped Galvanized, Add</i>	66.62	
			<i>For Stainless Steel, Add</i>	266.48	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0384	CLF	#12	(For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	172.48	
			<i>For Hot-Dipped Galvanized, Add</i>	68.47	
			<i>For Stainless Steel, Add</i>	273.88	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0385	CLF	#14	(For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	179.86	
			<i>For Hot-Dipped Galvanized, Add</i>	70.89	
			<i>For Stainless Steel, Add</i>	283.54	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0386	CLF	#16	(For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	188.23	
			<i>For Hot-Dipped Galvanized, Add</i>	73.93	
			<i>For Stainless Steel, Add</i>	295.72	
			<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0387	CLF	#18	(For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	196.57	
			<i>For Hot-Dipped Galvanized, Add</i>	77.31	
			<i>For Stainless Steel, Add</i>	309.24	
			<i>For Seismic Hook And Eye, Add</i>	27.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0388 Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0203)</small>		
04 05 19 13-0389 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall <small>(04 05 19 13-0388)</small>		
04 05 19 13-0390 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	131.72	
<i>For Hot-Dipped Galvanized, Add</i>	50.23	
<i>For Stainless Steel, Add</i>	200.90	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0391 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	136.70	
<i>For Hot-Dipped Galvanized, Add</i>	50.58	
<i>For Stainless Steel, Add</i>	202.32	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0392 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	141.46	
<i>For Hot-Dipped Galvanized, Add</i>	51.69	
<i>For Stainless Steel, Add</i>	206.74	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0393 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	146.91	
<i>For Hot-Dipped Galvanized, Add</i>	53.27	
<i>For Stainless Steel, Add</i>	213.08	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0394 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	152.16	
<i>For Hot-Dipped Galvanized, Add</i>	55.11	
<i>For Stainless Steel, Add</i>	220.42	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0395 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0388)</small>		
04 05 19 13-0396 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	156.09	
<i>For Hot-Dipped Galvanized, Add</i>	62.41	
<i>For Stainless Steel, Add</i>	249.64	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0397 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	161.14	
<i>For Hot-Dipped Galvanized, Add</i>	62.80	
<i>For Stainless Steel, Add</i>	251.20	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0398 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	165.84	
<i>For Hot-Dipped Galvanized, Add</i>	63.88	
<i>For Stainless Steel, Add</i>	255.50	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0399 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	171.01	
<i>For Hot-Dipped Galvanized, Add</i>	65.32	
<i>For Stainless Steel, Add</i>	261.28	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0400 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	175.54	
<i>For Hot-Dipped Galvanized, Add</i>	66.80	
<i>For Stainless Steel, Add</i>	267.18	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0401 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0388)</small>		
04 05 19 13-0402 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	167.93	
<i>For Hot-Dipped Galvanized, Add</i>	68.33	
<i>For Stainless Steel, Add</i>	273.32	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0403 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	173.18	
<i>For Hot-Dipped Galvanized, Add</i>	68.82	
<i>For Stainless Steel, Add</i>	275.28	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0404 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	179.47	
<i>For Hot-Dipped Galvanized, Add</i>	70.69	
<i>For Stainless Steel, Add</i>	282.76	
<i>For Seismic Hook And Eye, Add</i>	27.50	
04 05 19 13-0405 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	186.54	
<i>For Hot-Dipped Galvanized, Add</i>	73.09	
<i>For Stainless Steel, Add</i>	292.34	
<i>For Seismic Hook And Eye, Add</i>	27.50	

**04 Masonry****04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

04 05 19 13-0406	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	194.21
		<i>For Hot-Dipped Galvanized, Add</i>	76.13
		<i>For Stainless Steel, Add</i>	304.52
		<i>For Seismic Hook And Eye, Add</i>	27.50

**04 05 19 16 Masonry Anchors (04 05 19)**

04 05 19 16-0001		Rectangular, Wire Masonry Wall Ties (04 05 19 16)	
04 05 19 16-0002		Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Ties (04 05 19 16-0001)	
04 05 19 16-0003	EA	2" Width x 4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.68
04 05 19 16-0004	EA	2" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.73
04 05 19 16-0005	EA	2" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.77
04 05 19 16-0006	EA	2" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.82
04 05 19 16-0007	EA	2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.88
04 05 19 16-0008	EA	4" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.77
04 05 19 16-0009	EA	4" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.82
04 05 19 16-0010	EA	4" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.88
04 05 19 16-0011	EA	4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.93

**04 05 19 16-0012 Mill Galvanized, Rectangular, Wire Masonry Wall Ties (04 05 19 16-0001)**

04 05 19 16-0013	EA	2" Width x 4" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.60
04 05 19 16-0014	EA	2" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.62
04 05 19 16-0015	EA	2" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.64
04 05 19 16-0016	EA	2" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.67
04 05 19 16-0017	EA	2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.70
04 05 19 16-0018	EA	4" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.64
04 05 19 16-0019	EA	4" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.67
04 05 19 16-0020	EA	4" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.70
04 05 19 16-0021	EA	4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie.....	0.73

**04 05 19 16-0022 Z-Type, Wire Masonry Wall Ties (04 05 19 16)**

04 05 19 16-0023		Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Ties (04 05 19 16-0022)	
04 05 19 16-0024	EA	6" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.60
04 05 19 16-0025	EA	8" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.63
04 05 19 16-0026	EA	10" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.71
04 05 19 16-0027	EA	12" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.75
04 05 19 16-0028	EA	6" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.75
04 05 19 16-0029	EA	8" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.81
04 05 19 16-0030	EA	10" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.87
04 05 19 16-0031	EA	12" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.90

**04 05 19 16-0032 Mill Galvanized, Z-Type, Wire Masonry Wall Ties (04 05 19 16-0022)**

04 05 19 16-0033	EA	6" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.55
04 05 19 16-0034	EA	8" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.55
04 05 19 16-0035	EA	10" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.62
04 05 19 16-0036	EA	12" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.63
04 05 19 16-0037	EA	6" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.64
04 05 19 16-0038	EA	8" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.67
04 05 19 16-0039	EA	10" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.70
04 05 19 16-0040	EA	12" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie.....	0.74

**04 05 19 16-0041 Wire Beam Ties (04 05 19 16)**

04 05 19 16-0042		Hot-Dipped Galvanized, Wire Beam Ties (04 05 19 16-0041)	
04 05 19 16-0043	EA	2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie.....	0.82
04 05 19 16-0044	EA	4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie.....	0.84
04 05 19 16-0045	EA	6" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie.....	0.86
04 05 19 16-0046	EA	8" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie.....	0.88
04 05 19 16-0047	EA	10" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie.....	0.91

**04 05 19 16-0048 Mill Galvanized, Wire Beam Ties (04 05 19 16-0041)**

04 05 19 16-0049	EA	2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie.....	0.98
04 05 19 16-0050	EA	4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie.....	1.03
04 05 19 16-0051	EA	6" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie.....	1.07
04 05 19 16-0052	EA	8" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie.....	1.10
04 05 19 16-0053	EA	10" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie.....	1.13

**04 05 19 16-0054 Adjustable Double Pintle, Wire Masonry Wall Ties (04 05 19 16)**

04 05 19 16-0055		Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties (04 05 19 16-0054)	
04 05 19 16-0056	EA	6" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie.....	0.91



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				04 05 19 16-0057 EA 7" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	0.95	
				04 05 19 16-0058 EA 8" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	0.97	
				04 05 19 16-0059 EA 9" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	1.00	
				04 05 19 16-0060 EA 10" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	1.02	
<b>04 05 19 16-0061</b>				<b>Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties</b> <small>(04 05 19 16-0054)</small>		
				04 05 19 16-0062 EA 6" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	0.77	
				04 05 19 16-0063 EA 7" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	0.80	
				04 05 19 16-0064 EA 8" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	0.81	
				04 05 19 16-0065 EA 9" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	0.83	
				04 05 19 16-0066 EA 10" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	0.84	
<b>04 05 19 16-0067</b>				<b>Corrugated Buck (Brick) Anchors</b> <small>(04 05 19 16)</small>		
<b>04 05 19 16-0068</b>				<b>Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchors</b> <small>(04 05 19 16-0067)</small>		
				04 05 19 16-0069 EA 3-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor .....	1.12	
				04 05 19 16-0070 EA 4-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor .....	1.16	
				04 05 19 16-0071 EA 5-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor .....	1.20	
				04 05 19 16-0072 EA 6-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor .....	1.25	
				04 05 19 16-0073 EA 7-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor .....	1.29	
				04 05 19 16-0074 EA 3-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor .....	1.15	
				04 05 19 16-0075 EA 4-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor .....	1.20	
				04 05 19 16-0076 EA 5-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor .....	1.25	
				04 05 19 16-0077 EA 6-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor .....	1.30	
				04 05 19 16-0078 EA 7-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor .....	1.34	
<b>04 05 19 16-0079</b>				<b>Mill Galvanized, Corrugated Buck (Brick) Anchors</b> <small>(04 05 19 16-0067)</small>		
				04 05 19 16-0080 EA 3-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor .....	0.96	
				04 05 19 16-0081 EA 4-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor .....	0.99	
				04 05 19 16-0082 EA 5-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor .....	1.02	
				04 05 19 16-0083 EA 6-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor .....	1.06	
				04 05 19 16-0084 EA 7-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor .....	1.09	
				04 05 19 16-0085 EA 3-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor .....	0.99	
				04 05 19 16-0086 EA 4-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor .....	1.02	
				04 05 19 16-0087 EA 5-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor .....	1.06	
				04 05 19 16-0088 EA 6-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor .....	1.09	
				04 05 19 16-0089 EA 7-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor .....	1.13	
<b>04 05 19 16-0090</b>				<b>Corrugated Wall Ties</b> <small>(04 05 19 16)</small>		
<b>04 05 19 16-0091</b>				<b>Hot-Dipped Galvanized, Corrugated Wall Ties</b> <small>(04 05 19 16-0090)</small>		
				04 05 19 16-0092 EA 7/8" Width, 7" Length, 28 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie .....	0.54	
				04 05 19 16-0093 EA 7/8" Width, 7" Length, 26 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie .....	0.58	
				04 05 19 16-0094 EA 7/8" Width, 7" Length, 24 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie .....	0.59	
				04 05 19 16-0095 EA 7/8" Width, 7" Length, 22 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie .....	0.61	
				04 05 19 16-0096 EA 7/8" Width, 7" Length, 16 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie .....	0.73	
<b>04 05 19 16-0097</b>				<b>Mill Galvanized, Corrugated Wall Ties</b> <small>(04 05 19 16-0090)</small>		
				04 05 19 16-0098 EA 7/8" Width, 7" Length, 26 Gauge, Mill Galvanized, Corrugated Wall Tie .....	0.56	
				04 05 19 16-0099 EA 7/8" Width, 7" Length, 24 Gauge, Mill Galvanized, Corrugated Wall Tie .....	0.57	
				04 05 19 16-0100 EA 7/8" Width, 7" Length, 22 Gauge, Mill Galvanized, Corrugated Wall Tie .....	0.58	
				04 05 19 16-0101 EA 7/8" Width, 7" Length, 16 Gauge, Mill Galvanized, Corrugated Wall Tie .....	0.67	
<b>04 05 19 16-0102</b>				<b>Stainless Steel, Corrugated Wall Ties</b> <small>(04 05 19 16-0090)</small>		
				04 05 19 16-0103 EA 7/8" Width, 7" Length, 28 Gauge, Stainless Steel, Corrugated Wall Tie .....	0.85	
				04 05 19 16-0104 EA 7/8" Width, 7" Length, 26 Gauge, Stainless Steel, Corrugated Wall Tie .....	0.90	
				04 05 19 16-0105 EA 7/8" Width, 7" Length, 24 Gauge, Stainless Steel, Corrugated Wall Tie .....	0.95	
				04 05 19 16-0106 EA 7/8" Width, 7" Length, 22 Gauge, Stainless Steel, Corrugated Wall Tie .....	1.00	
				04 05 19 16-0107 EA 7/8" Width, 7" Length, 16 Gauge, Stainless Steel, Corrugated Wall Tie .....	1.27	
<b>04 05 19 16-0108</b>				<b>Wire Mesh Wall Ties</b> <small>(04 05 19 16)</small>		
				Note: 1/2" square mesh.		
				04 05 19 16-0109 EA 3" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie .....	1.11	
				04 05 19 16-0110 EA 3" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie .....	1.35	
				04 05 19 16-0111 EA 6" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie .....	1.63	
				04 05 19 16-0112 EA 6" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie .....	2.09	
				04 05 19 16-0113 EA 10" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie .....	1.95	
				04 05 19 16-0114 EA 10" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie .....	2.41	
<b>04 05 19 16-0115</b>				<b>Triangle Brick Ties</b> <small>(04 05 19 16)</small>		
<b>04 05 19 16-0116</b>				<b>Hot-Dipped Galvanized, Triangle Brick Ties</b> <small>(04 05 19 16-0115)</small>		
				04 05 19 16-0117 EA 3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	0.98	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

04 05 19 16-0118	EA	3-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	1.00
04 05 19 16-0119	EA	4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	1.02
04 05 19 16-0120	EA	4-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	1.06
04 05 19 16-0121	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	1.07
04 05 19 16-0122	EA	6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	1.14
04 05 19 16-0123	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	1.18
04 05 19 16-0124	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	1.28
04 05 19 16-0125	EA	3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	1.18
04 05 19 16-0126	EA	3-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	1.19
04 05 19 16-0127	EA	4" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	1.21
04 05 19 16-0128	EA	4-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	1.24
04 05 19 16-0129	EA	5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	1.26
04 05 19 16-0130	EA	6" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	1.32
04 05 19 16-0131	EA	7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	1.35
04 05 19 16-0132	EA	9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie .....	1.45
<b>04 05 19 16-0133</b>		<b>Mill Galvanized, Triangle Brick Ties (04 05 19 16-0115)</b>	
04 05 19 16-0134	EA	3" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie .....	0.88
04 05 19 16-0135	EA	3-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie .....	0.89
04 05 19 16-0136	EA	4" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie .....	0.90
04 05 19 16-0137	EA	4-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie .....	0.92
04 05 19 16-0138	EA	5" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie .....	0.93
04 05 19 16-0139	EA	6" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie .....	0.97
04 05 19 16-0140	EA	7" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie .....	0.99
04 05 19 16-0141	EA	9" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.02
04 05 19 16-0142	EA	3" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.00
04 05 19 16-0143	EA	3-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.01
04 05 19 16-0144	EA	4" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.02
04 05 19 16-0145	EA	4-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.05
04 05 19 16-0146	EA	5" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.06
04 05 19 16-0147	EA	6" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.11
04 05 19 16-0148	EA	7" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.14
04 05 19 16-0149	EA	9" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie .....	1.19
<b>04 05 19 16-0150</b>		<b>Seismic Veneer Anchors (04 05 19 16)</b>	
04 05 19 16-0151	EA	3-1/2" Length, 1-1/4" Width, Stainless Steel, Seismic Notch Veneer Anchor .....	4.68
		Note: For horizontal wire attachment. Excludes wire.	
<b>04 05 19 16-0152</b>		<b>Slip-Set, Joint Stabilization Anchors (04 05 19 16)</b>	
		Note: For restraining lateral movement at control joints. Field bendable.	
04 05 19 16-0153	EA	9-5/8" Length, 1-5/8" Width, Mill Galvanized, Slip-Set, Joint Stabilization Anchor .....	3.37
04 05 19 16-0154	EA	9-5/8" Length, 1-5/8" Width, Hot-Dipped Galvanized, Slip-Set, Joint Stabilization Anchor .....	3.66
04 05 19 16-0155	EA	9-5/8" Length, 1-5/8" Width, Stainless Steel, Slip-Set, Joint Stabilization Anchor .....	4.68
<b>04 05 19 16-0156</b>		<b>Strap Partition Top Anchors (04 05 19 16)</b>	
04 05 19 16-0157	EA	12 Gauge Strap, 3/8" Rod, Hot-Dipped Galvanized, Partition Top Anchor .....	1.93
04 05 19 16-0158	EA	12 Gauge Strap, 3/8" Rod, Stainless Steel, Partition Top Anchor .....	4.94
<b>04 05 19 16-0159</b>		<b>Rigid Partition Anchors (04 05 19 16)</b>	
<b>04 05 19 16-0160</b>		<b>Hot-Dipped Galvanized, Rigid Partition Anchors (04 05 19 16-0159)</b>	
04 05 19 16-0161	EA	1" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor .....	1.42
04 05 19 16-0162	EA	1-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor .....	1.54
04 05 19 16-0163	EA	1-1/2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor .....	1.70
04 05 19 16-0164	EA	1-3/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor .....	1.84
04 05 19 16-0165	EA	2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor .....	1.97
04 05 19 16-0166	EA	2-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor .....	2.11
04 05 19 16-0167	EA	1" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor .....	1.98
04 05 19 16-0168	EA	1-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor .....	2.41
04 05 19 16-0169	EA	1-1/2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor .....	2.86
04 05 19 16-0170	EA	1-3/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor .....	3.30
04 05 19 16-0171	EA	2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor .....	3.74
04 05 19 16-0172	EA	2-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor .....	4.18
<b>04 05 19 16-0173</b>		<b>Mill Galvanized, Rigid Partition Anchors (04 05 19 16-0159)</b>	
04 05 19 16-0174	EA	1" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor .....	1.30
04 05 19 16-0175	EA	1-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor .....	1.41
04 05 19 16-0176	EA	1-1/2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor .....	1.51
04 05 19 16-0177	EA	1-3/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor .....	1.62
04 05 19 16-0178	EA	2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor .....	1.73
04 05 19 16-0179	EA	2-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor .....	1.84
<b>04 05 19 16-0180</b>		<b>Screw-On Masonry Veneer Anchor Plates (04 05 19 16)</b>	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0181	EA			12 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate.....	0.91	
04 05 19 16-0182	EA			14 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate.....	0.96	
<b>04 05 19 16-0183</b>				<b>Wire Column Ties (04 05 19 16)</b>		
<b>04 05 19 16-0184</b>				<b>Hot-Dipped Galvanized, Wire Column Ties (04 05 19 16-0183)</b>		
04 05 19 16-0185	EA			3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	1.11	
04 05 19 16-0186	EA			5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	1.18	
04 05 19 16-0187	EA			7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	1.24	
04 05 19 16-0188	EA			9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	1.31	
04 05 19 16-0189	EA			10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	1.17	
04 05 19 16-0190	EA			12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	1.24	
04 05 19 16-0191	EA			14" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	1.28	
04 05 19 16-0192	EA			16" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	1.33	
04 05 19 16-0193	EA			3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	1.49	
04 05 19 16-0194	EA			5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	1.62	
04 05 19 16-0195	EA			7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	1.70	
04 05 19 16-0196	EA			9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	1.82	
04 05 19 16-0197	EA			10" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	1.62	
04 05 19 16-0198	EA			12" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	1.70	
04 05 19 16-0199	EA			14" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	1.78	
04 05 19 16-0200	EA			16" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie .....	1.86	
<b>04 05 19 16-0201</b>				<b>Mill Galvanized, Wire Column Ties (04 05 19 16-0183)</b>		
04 05 19 16-0202	EA			3" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie .....	0.98	
04 05 19 16-0203	EA			5" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie .....	1.02	
04 05 19 16-0204	EA			7" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie .....	1.05	
04 05 19 16-0205	EA			9" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie .....	1.10	
04 05 19 16-0206	EA			10" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie .....	1.00	
04 05 19 16-0207	EA			12" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie .....	1.04	
04 05 19 16-0208	EA			14" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie .....	1.07	
04 05 19 16-0209	EA			16" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie .....	1.11	
04 05 19 16-0210	EA			3" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie .....	1.26	
04 05 19 16-0211	EA			5" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie .....	1.35	
04 05 19 16-0212	EA			7" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie .....	1.38	
04 05 19 16-0213	EA			9" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie .....	1.47	
04 05 19 16-0214	EA			10" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie .....	1.23	
04 05 19 16-0215	EA			12" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie .....	1.36	
04 05 19 16-0216	EA			14" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie .....	1.42	
04 05 19 16-0217	EA			16" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie .....	1.47	
<b>04 05 19 16-0218</b>				<b>Dovetail Anchors, Slots And Ties (04 05 19 16)</b>		
<b>04 05 19 16-0219</b>				<b>Dovetail Anchor Slots (04 05 19 16-0218)</b>		
<b>04 05 19 16-0220</b>				<b>Hot-Dipped Galvanized, Dovetail Anchor Slot (04 05 19 16-0219)</b>		
04 05 19 16-0221	LF			24 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	1.70	
04 05 19 16-0222	LF			22 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	1.92	
04 05 19 16-0223	LF			20 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	2.05	
04 05 19 16-0224	LF			18 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	2.11	
04 05 19 16-0225	LF			16 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	2.25	
<b>04 05 19 16-0226</b>				<b>Mill Galvanized, Dovetail Anchor Slot (04 05 19 16-0219)</b>		
04 05 19 16-0227	LF			24 Gauge, Mill Galvanized, Dovetail Anchor Slot .....	1.27	
04 05 19 16-0228	LF			22 Gauge, Mill Galvanized, Dovetail Anchor Slot .....	1.54	
04 05 19 16-0229	LF			20 Gauge, Mill Galvanized, Dovetail Anchor Slot .....	1.61	
04 05 19 16-0230	LF			18 Gauge, Mill Galvanized, Dovetail Anchor Slot .....	1.70	
04 05 19 16-0231	LF			16 Gauge, Mill Galvanized, Dovetail Anchor Slot .....	1.76	
<b>04 05 19 16-0232</b>				<b>304 Stainless Steel, Dovetail Anchor Slot (04 05 19 16-0219)</b>		
04 05 19 16-0233	LF			24 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	2.00	
04 05 19 16-0234	LF			22 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	2.36	
04 05 19 16-0235	LF			20 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	2.48	
04 05 19 16-0236	LF			18 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	2.88	
04 05 19 16-0237	LF			16 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	3.27	
<b>04 05 19 16-0238</b>				<b>316 Stainless Steel, Dovetail Anchor Slot (04 05 19 16-0219)</b>		
04 05 19 16-0239	LF			24 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	2.28	
04 05 19 16-0240	LF			22 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	2.55	
04 05 19 16-0241	LF			20 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	2.82	
04 05 19 16-0242	LF			18 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	3.16	
04 05 19 16-0243	LF			16 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	3.37	
<b>04 05 19 16-0244</b>				<b>Dovetail Corrugated Brick Ties (04 05 19 16-0218)</b>		

**04 Masonry****04 05 Common Work Results For Masonry****04 05 19 Masonry Anchorage And Reinforcing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0245			<b>Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie</b> (04 05 19 16-0244)		
04 05 19 16-0246	EA		3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	0.71	
04 05 19 16-0247	EA		5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	0.78	
04 05 19 16-0248	EA		7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	0.85	
04 05 19 16-0249	EA		3-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	0.72	
04 05 19 16-0250	EA		5-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	0.85	
04 05 19 16-0251	EA		7-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	0.95	
04 05 19 16-0252	EA		3-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	0.76	
04 05 19 16-0253	EA		5-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	0.85	
04 05 19 16-0254	EA		7-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	0.94	
04 05 19 16-0255			<b>Mill Galvanized, Dovetail Corrugated Brick Tie</b> (04 05 19 16-0244)		
04 05 19 16-0256	EA		3-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	0.64	
04 05 19 16-0257	EA		5-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	0.69	
04 05 19 16-0258	EA		7-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	0.73	
04 05 19 16-0259	EA		3-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	0.68	
04 05 19 16-0260	EA		5-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	0.77	
04 05 19 16-0261	EA		7-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	0.84	
04 05 19 16-0262	EA		3-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	0.69	
04 05 19 16-0263	EA		5-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	0.80	
04 05 19 16-0264	EA		7-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	0.87	
04 05 19 16-0265			<b>Dovetail Stone Anchors</b> (04 05 19 16-0218)		
04 05 19 16-0266			<b>Hot-Dipped Galvanized, Dovetail Stone Anchors</b> (04 05 19 16-0265)		
04 05 19 16-0267	EA		3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	0.85	
04 05 19 16-0268	EA		5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	0.93	
04 05 19 16-0269	EA		7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	1.00	
04 05 19 16-0270			<b>Dovetail Partition Top Anchors</b> (04 05 19 16-0218)		
04 05 19 16-0271	EA		3/8" Rod, Hot-Dipped Galvanized, Dovetail Partition Top Anchor.....	2.01	
04 05 19 16-0272	EA		3/8" Rod, Stainless Steel, Dovetail Partition Top Anchor.....	5.28	
04 05 19 16-0273			<b>Dovetail Flexible Triangle Brick Ties</b> (04 05 19 16-0218)		
04 05 19 16-0274			<b>Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Ties</b> (04 05 19 16-0273)		
04 05 19 16-0275	EA		3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.28	
04 05 19 16-0276	EA		5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.37	
04 05 19 16-0277	EA		7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.43	
04 05 19 16-0278	EA		9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.50	
04 05 19 16-0279			<b>Mill Galvanized, Dovetail Flexible Triangle Brick Ties</b> (04 05 19 16-0273)		
04 05 19 16-0280	EA		3" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.15	
04 05 19 16-0281	EA		5" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.16	
04 05 19 16-0282	EA		7" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.20	
04 05 19 16-0283	EA		9" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	1.30	
04 05 19 26			<b>Masonry Reinforcing Bars</b> (04 05 19)		
			Note: Includes cutting and bending.		
04 05 19 26-0001			<b>Plain Steel Masonry Reinforcement Bar</b> (04 05 19 26)		
04 05 19 26-0002	LF		#3, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	0.62	
04 05 19 26-0003	LF		#4, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.02	
04 05 19 26-0004	LF		#5, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.44	
04 05 19 26-0005	LF		#6, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.91	
04 05 19 26-0006	LF		#3, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	0.63	
04 05 19 26-0007	LF		#4, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.04	
04 05 19 26-0008	LF		#5, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.47	
04 05 19 26-0009	LF		#6, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.95	
04 05 19 26-0010	LF		#3, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	0.73	
04 05 19 26-0011	LF		#4, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.18	
04 05 19 26-0012	LF		#5, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.68	
04 05 19 26-0013	LF		#6, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	2.18	
04 05 19 26-0014	LF		#3, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	0.74	
04 05 19 26-0015	LF		#4, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.20	
04 05 19 26-0016	LF		#5, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.71	
04 05 19 26-0017	LF		#6, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	2.22	
04 05 19 26-0018			<b>Galvanized Steel Masonry Reinforcement Bar</b> (04 05 19 26)		
04 05 19 26-0019	LF		#3, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	0.73	
04 05 19 26-0020	LF		#4, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.20	
04 05 19 26-0021	LF		#5, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.73	
04 05 19 26-0022	LF		#6, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 26-0023 LF #3, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar .....	0.74	
04 05 19 26-0024 LF #4, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar .....	1.22	
04 05 19 26-0025 LF #5, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar .....	1.76	
04 05 19 26-0026 LF #6, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar .....	2.36	
04 05 19 26-0027 LF #3, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	0.84	
04 05 19 26-0028 LF #4, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.36	
04 05 19 26-0029 LF #5, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.97	
04 05 19 26-0030 LF #6, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.59	
04 05 19 26-0031 LF #3, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	0.85	
04 05 19 26-0032 LF #4, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.38	
04 05 19 26-0033 LF #5, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.00	
04 05 19 26-0034 LF #6, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.63	
<b>04 05 19 26-0035 Epoxy-Coated Masonry Reinforcement Bar (04 05 19 26)</b>		
04 05 19 26-0036 LF #3, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	0.71	
04 05 19 26-0037 LF #4, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.18	
04 05 19 26-0038 LF #5, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.70	
04 05 19 26-0039 LF #6, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.28	
04 05 19 26-0040 LF #3, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	0.72	
04 05 19 26-0041 LF #4, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.20	
04 05 19 26-0042 LF #5, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.72	
04 05 19 26-0043 LF #6, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.32	
04 05 19 26-0044 LF #3, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	0.82	
04 05 19 26-0045 LF #4, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.34	
04 05 19 26-0046 LF #5, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.94	
04 05 19 26-0047 LF #6, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.55	
04 05 19 26-0048 LF #3, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	0.83	
04 05 19 26-0049 LF #4, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.36	
04 05 19 26-0050 LF #5, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.96	
04 05 19 26-0051 LF #6, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.59	
<b>04 05 23 Masonry Accessories (04 05)</b>		
<b>04 05 23 13 Masonry Control And Expansion Joints (04 05 23)</b>		
04 05 23 13-0001 Masonry Control Joints (04 05 23 13)		
04 05 23 13-0002 Rubber, Masonry Control Joints (04 05 23 13-0001)		
04 05 23 13-0003 LF 1-5/8" Width, T-Style, Rubber, Masonry Control Joint .....	3.20	0.50
04 05 23 13-0004 LF 2-5/8" Width, Rubber, Masonry Control Joint.....	3.11	0.50
04 05 23 13-0005 LF 6-7/8" Width, Rubber, Masonry Control Joint.....	6.58	0.50
04 05 23 13-0006 Polyvinyl Chloride (PVC), Masonry Control Joints (04 05 23 13-0001)		
04 05 23 13-0007 LF 1-5/8" Width, T-Style, Polyvinyl Chloride (PVC), Masonry Control Joint.....	1.95	0.50
04 05 23 13-0008 LF 2-5/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint .....	2.02	0.50
04 05 23 13-0009 LF 4-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint .....	2.55	0.50
04 05 23 13-0010 LF 6-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint .....	2.81	0.50
04 05 23 13-0011 LF 11-1/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint .....	2.65	0.50
<b>04 05 23 16 Masonry Embedded Flashing (04 05 23)</b>		
04 05 23 16-0001 Lead Coated Copper Through Wall Flashing (04 05 23 16)		
04 05 23 16-0002 Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing (04 05 23 16-0001)		
04 05 23 16-0003 SF 2 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	5.87	1.05
04 05 23 16-0004 SF 3 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	6.54	1.05
04 05 23 16-0005 SF 5 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	8.39	1.05
04 05 23 16-0006 SF 7 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	10.03	1.05
04 05 23 16-0007 Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing (04 05 23 16-0001)		
04 05 23 16-0008 SF 2 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	6.52	1.05
04 05 23 16-0009 SF 3 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	7.12	1.05
04 05 23 16-0010 SF 5 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	9.26	1.05
04 05 23 16-0011 SF 7 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	11.23	1.05
04 05 23 16-0012 Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing (04 05 23 16-0001)		
04 05 23 16-0013 SF 2 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	6.02	1.05
04 05 23 16-0014 SF 3 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	6.86	1.05
04 05 23 16-0015 SF 5 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	8.06	1.05
04 05 23 16-0016 SF 7 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	10.57	1.05
04 05 23 16-0017 Stainless Steel Through Wall Flashing (04 05 23 16)		



**04 Masonry****04 05 Common Work Results For Masonry****04 05 23 Masonry Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>04 05 23 16-0018 Paper Backed 2 Sides, Stainless Steel Through Wall Flashing</b> (04 05 23 16-0017)		
04 05 23 16-0019 SF 0.005" Thick Paper Backed 2 Sides, Stainless Steel Through Wall Flashing .....	4.66	0.98
<b>04 05 23 16-0020 Polyvinyl Chloride (PVC) Through Wall Flashing</b> (04 05 23 16)		
04 05 23 16-0021 SF 0.010" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing .....	2.08	0.85
04 05 23 16-0022 SF 0.020" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing .....	2.24	0.85
04 05 23 16-0023 SF 0.030" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing .....	2.42	0.85
04 05 23 16-0024 SF 0.056" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing .....	3.02	0.85
<b>04 05 23 16-0025 Copper Through Wall Flashing</b> (04 05 23 16)		
<b>04 05 23 16-0026 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing</b> (04 05 23 16-0025)		
04 05 23 16-0027 SF 2 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing .....	4.87	0.98
04 05 23 16-0028 SF 3 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing .....	5.36	0.98
04 05 23 16-0029 SF 5 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing .....	6.72	0.98
04 05 23 16-0030 SF 7 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing .....	7.92	0.98
04 05 23 16-0031 SF 10 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing .....	8.43	0.98
<b>04 05 23 16-0032 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing</b> (04 05 23 16-0025)		
04 05 23 16-0033 SF 2 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing .....	5.35	0.98
04 05 23 16-0034 SF 3 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing .....	5.79	0.98
04 05 23 16-0035 SF 5 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing .....	7.36	0.98
04 05 23 16-0036 SF 7 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing .....	8.80	0.98
04 05 23 16-0037 SF 10 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing .....	9.65	0.98
<b>04 05 23 16-0038 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing</b> (04 05 23 16-0025)		
04 05 23 16-0039 SF 2 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	4.92	0.98
04 05 23 16-0040 SF 3 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	5.42	0.98
04 05 23 16-0041 SF 5 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	6.77	0.98
04 05 23 16-0042 SF 7 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	7.97	0.98
04 05 23 16-0043 SF 10 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	8.48	0.98
<b>04 05 23 16-0044 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing</b> (04 05 23 16-0025)		
04 05 23 16-0045 SF 2 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	4.99	0.98
04 05 23 16-0046 SF 3 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	5.59	0.98
04 05 23 16-0047 SF 5 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	6.47	0.98
04 05 23 16-0048 SF 7 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	8.31	0.98
04 05 23 16-0049 SF 10 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	4.45	0.98
<b>04 05 23 16-0050 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing</b> (04 05 23 16-0025)		
04 05 23 16-0051 SF 3 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing .....	7.00	0.98
04 05 23 16-0052 SF 5 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing .....	8.81	0.98
<b>04 05 23 16-0053 2 Sides Glass Fabric, Thru-Wall Copper Flashing</b> (04 05 23 16-0025)		
Note: Glass fabric is bonded to both sides with a non-asphaltic adhesive.		
04 05 23 16-0054 SF 3 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing .....	5.95	0.98
04 05 23 16-0055 SF 5 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing .....	7.57	0.98
<b>04 05 23 19 Masonry Cavity Drainage, Weepholes, And Vents</b> (04 05 23)		
<b>04 05 23 19-0001 Brick Vents, 4" Deep, With Insect Screen</b> (04 05 23 19)		
Note: 0.100" nominal wall thickness, three mortar ribs on top and bottom of frame.		
04 05 23 19-0002 EA 8-1/8" x 2-3/8" Aluminum Brick Vent .....	43.06	
04 05 23 19-0003 EA 8-1/8" x 4-3/4" Aluminum Brick Vent .....	53.61	
04 05 23 19-0004 EA 8-1/8" x 7-3/4" Aluminum Brick Vent .....	68.07	
04 05 23 19-0005 EA 12" x 2-3/8" Aluminum Brick Vent .....	53.56	
04 05 23 19-0006 EA 12" x 4-3/4" Aluminum Brick Vent .....	66.47	
04 05 23 19-0007 EA 12" x 7-3/4" Aluminum Brick Vent .....	84.61	
04 05 23 19-0008 EA 16-1/2" x 2-3/8" Aluminum Brick Vent .....	63.90	
04 05 23 19-0009 EA 16-1/2" x 4-3/4" Aluminum Brick Vent .....	87.37	
04 05 23 19-0010 EA 16-1/2" x 7-3/4" Aluminum Brick Vent .....	107.58	
04 05 23 19-0011 EA 24" x 2-3/8" Aluminum Brick Vent .....	88.42	
04 05 23 19-0012 EA 24" x 4-3/4" Aluminum Brick Vent .....	115.46	
04 05 23 19-0013 EA 24" x 7-3/4" Aluminum Brick Vent .....	142.96	

**04 20 Unit Masonry** (04)

Note: Includes pointing and cleaning of new brick and mortar. Cutting of new bricks/blocks to size. Weep holes and wicking material.

**04 21 Clay Unit Masonry** (04 20)



<b>Masonry</b>	<b>04</b>	<b>04</b>
Unit Masonry	04 20	
Clay Unit Masonry	04 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>04 21 13 Brick Masonry</b> <small>(04 21)</small>		
Note: Includes brick and mortar. See CSI section 04 05 19 13-0000 for reinforcing, 04 05 19 16-0000 for masonry anchors.		
<b>04 21 13 00-0001 Brick Masonry</b> <small>(04 21 13)</small>		
04 21 13 00-0002 SF Standard Size Brick, Red, Running Bond.....	13.68	
Note: Standard size brick, 3-5/8" x 2-1/4" x 8". (6.55 Bricks/SF)		
For Buff Or Gray, Add	0.73	
For Common Or American Bond, Add	0.37	
For English Bond, Add	0.74	
For Flemish Bond, Add	1.62	
For Stacked Bond, Add	1.15	
For <10, Small Area Replacements (Individual Areas), Add	14.18	
For Curved Wall, Add	1.86	
For Corbels, Add	6.98	
For Severe Weather (SW) Brick, Add	0.66	
For Glazed Brick, Add	15.30	
04 21 13 00-0003 SF Engineer Standard Size Brick, Red, Running Bond.....	14.50	
Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8". (5.39 Bricks/SF)		
For Buff Or Gray, Add	0.90	
For Common Or American Bond, Add	0.36	
For English Bond, Add	0.73	
For Flemish Bond, Add	1.63	
For Stacked Bond, Add	1.18	
For <10, Small Area Replacements (Individual Areas), Add	13.91	
For Curved Wall, Add	1.82	
For Corbels, Add	6.82	
For Severe Weather (SW) Brick, Add	0.81	
For Glazed Brick, Add	18.94	
04 21 13 00-0004 SF Modular Size Brick, Red, Running Bond.....	13.68	
Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8". (6.75 Bricks/SF)		
For Buff Or Gray, Add	0.73	
For Common Or American Bond, Add	0.37	
For English Bond, Add	0.74	
For Flemish Bond, Add	1.62	
For Stacked Bond, Add	1.15	
For <10, Small Area Replacements (Individual Areas), Add	14.18	
For Curved Wall, Add	1.86	
For Corbels, Add	6.98	
For Severe Weather (SW) Brick, Add	0.66	
For Glazed Brick, Add	15.30	
04 21 13 00-0005 SF Engineer Modular Size Brick, Red, Running Bond.....	14.50	
Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8". (5.63 Bricks/SF)		
For Buff Or Gray, Add	0.90	
For Common Or American Bond, Add	0.36	
For English Bond, Add	0.73	
For Flemish Bond, Add	1.63	
For Stacked Bond, Add	1.18	
For <10, Small Area Replacements (Individual Areas), Add	13.91	
For Curved Wall, Add	1.82	
For Corbels, Add	6.82	
For Severe Weather (SW) Brick, Add	0.81	
For Glazed Brick, Add	18.94	
04 21 13 00-0006 SF Economy Size Brick, Red, Running Bond.....	14.36	
Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8". (4.5 Bricks/SF)		
For Buff Or Gray, Add	0.88	
For Common Or American Bond, Add	0.36	
For English Bond, Add	0.73	
For Flemish Bond, Add	1.63	
For Stacked Bond, Add	1.17	
For <10, Small Area Replacements (Individual Areas), Add	13.90	
For Curved Wall, Add	1.82	
For Corbels, Add	6.82	
For Severe Weather (SW) Brick, Add	0.79	
For Glazed Brick, Add	18.45	
04 21 13 00-0007 SF Utility Size Brick, Red, Running Bond.....	10.86	
Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8". (3.0 Bricks/SF)		
For Buff Or Gray, Add	0.75	
For Common Or American Bond, Add	0.25	
For English Bond, Add	0.51	
For Flemish Bond, Add	1.18	
For Stacked Bond, Add	0.86	
For <10, Small Area Replacements (Individual Areas), Add	9.75	
For Curved Wall, Add	1.27	
For Corbels, Add	4.76	
For Severe Weather (SW) Brick, Add	0.68	
For Glazed Brick, Add	15.79	

<b>04</b>	<b>Masonry</b>
<b>04 20</b>	<b>Unit Masonry</b>
<b>04 21</b>	<b>Clay Unit Masonry</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0008	SF		Double Utility Size Brick, Red, Running Bond.....9.51 Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8". (1.5 Bricks/SF)		
			For Buff Or Gray, Add	0.53	
			For Common Or American Bond, Add	0.25	
			For English Bond, Add	0.51	
			For Flemish Bond, Add	1.11	
			For Stacked Bond, Add	0.79	
			For <10, Small Area Replacements (Individual Areas), Add	9.68	
			For Curved Wall, Add	1.27	
			For Corbels, Add	4.76	
			For Severe Weather (SW) Brick, Add	0.47	
			For Glazed Brick, Add	11.06	
04 21 13 00-0009	SF		Norman Size Brick, Red, Running Bond.....14.77 Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8". (4.5 Bricks/SF)		
			For Buff Or Gray, Add	0.95	
			For Common Or American Bond, Add	0.36	
			For English Bond, Add	0.73	
			For Flemish Bond, Add	1.65	
			For Stacked Bond, Add	1.19	
			For <10, Small Area Replacements (Individual Areas), Add	13.92	
			For Curved Wall, Add	1.82	
			For Corbels, Add	6.82	
			For Severe Weather (SW) Brick, Add	0.85	
			For Glazed Brick, Add	19.88	
04 21 13 00-0010	SF		Roman Size Brick, Red, Running Bond.....15.97 Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8". (6.0 Bricks/SF)		
			For Buff Or Gray, Add	1.15	
			For Common Or American Bond, Add	0.36	
			For English Bond, Add	0.73	
			For Flemish Bond, Add	1.71	
			For Stacked Bond, Add	1.25	
			For <10, Small Area Replacements (Individual Areas), Add	13.98	
			For Curved Wall, Add	1.82	
			For Corbels, Add	6.82	
			For Severe Weather (SW) Brick, Add	1.03	
			For Glazed Brick, Add	24.08	
<b>04 21 13 00-0011</b>			<b>Fire Brick</b> <small>(04 21 13)</small>		
04 21 13 00-0012	SF		Fire Brick, Red, Running Bond.....17.17		
			For Buff Or Gray, Add	1.35	
			For Common Or American Bond, Add	0.36	
			For English Bond, Add	0.73	
			For Flemish Bond, Add	1.77	
			For Stacked Bond, Add	1.31	
			For <10, Small Area Replacements (Individual Areas), Add	14.04	
<b>04 21 13 00-0013</b>			<b>Window Sill</b> <small>(04 21 13)</small>		
04 21 13 00-0014	LF		Window Sill, Standard Size Brick, Red, On Edge .....11.18 Note: Standard size brick, 3-5/8" x 2-1/4" x 8".		
			For Buff Or Gray, Add	0.16	
04 21 13 00-0015	LF		Window Sill, Engineer Standard Size Brick, Red, On Edge.....11.30 Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8".		
			For Buff Or Gray, Add	0.18	
04 21 13 00-0016	LF		Window Sill, Modular Size Brick, Red, On Edge.....11.18 Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8".		
			For Buff Or Gray, Add	0.16	
04 21 13 00-0017	LF		Window Sill, Engineer Modular Size Brick, Red, On Edge.....11.37 Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8".		
			For Buff Or Gray, Add	0.19	
04 21 13 00-0018	LF		Window Sill, Economy Size Brick, Red, On Edge.....11.86 Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8".		
			For Buff Or Gray, Add	0.27	
04 21 13 00-0019	LF		Window Sill, Utility Size Brick, Red, On Edge.....11.96 Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8".		
			For Buff Or Gray, Add	0.29	
04 21 13 00-0020	LF		Window Sill, Double Utility Size Brick, Red, On Edge.....11.96 Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8".		
			For Buff Or Gray, Add	0.29	
04 21 13 00-0021	LF		Window Sill, Norman Size Brick, Red, On Edge.....11.43 Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8".		
			For Buff Or Gray, Add	0.20	
04 21 13 00-0022	LF		Window Sill, Roman Size Brick, Red, On Edge .....11.48 Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8".		
			For Buff Or Gray, Add	0.21	
<b>04 21 26</b>			<b>Glazed Structural Clay Tile Masonry</b> <small>(04 21)</small>		
			Note: Includes tile and mortar in all colors.		
04 21 26 00-0001			6T Series Structural Glazed Clay Tile <small>(04 21 26)</small>		
04 21 26 00-0002			Glazed On One Side 6T Series Structural Glazed Clay Tile <small>(04 21 26 00-0001)</small>		
04 21 26 00-0003	SF		2" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12".....20.46 For Stacked Bond, Add	1.01	



<b>Masonry</b>	<b>04</b>	<b>04</b>
Unit Masonry	04 20	
Clay Unit Masonry	04 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 26 00-0004 SF 4" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12".....	24.07	
For Stacked Bond, Add	1.01	
04 21 26 00-0005 SF 6" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12".....	31.08	
For Stacked Bond, Add	1.05	
<b>04 21 26 00-0006 Special Shapes 6T Series Structural Glazed Clay Tile (04 21 26 00-0001)</b>		
04 21 26 00-0007 LF Bullnose, Jamb Or Sill Shapes 6T Series Structural Glazed Clay Tile.....	20.13	
For Stacked Bond, Add	1.19	
04 21 26 00-0008 LF 2" Or 4" Cove Base 6T Series Structural Glazed Clay Tile.....	26.15	
For Stacked Bond, Add	1.19	
<b>04 21 26 00-0009 8W Series Structural Glazed Clay Tile (04 21 26)</b>		
<b>04 21 26 00-0010 Glazed On One Side 8W Series Structural Glazed Clay Tile (04 21 26 00-0009)</b>		
04 21 26 00-0011 SF 2" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16".....	17.46	
For Stacked Bond, Add	0.64	
04 21 26 00-0012 SF 4" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16".....	22.79	
For Stacked Bond, Add	0.69	
04 21 26 00-0013 SF 6" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16".....	33.51	
For Stacked Bond, Add	0.73	
<b>04 21 26 00-0014 Special Shapes 8W Series Structural Glazed Clay Tile (04 21 26 00-0009)</b>		
04 21 26 00-0015 LF Bullnose, Jamb Or Sill Shapes 8W Series Structural Glazed Clay Tile .....	24.40	
For Stacked Bond, Add	0.82	
04 21 26 00-0016 LF 2" Or 4" Cove Base 8W Series Structural Glazed Clay Tile.....	24.35	
For Stacked Bond, Add	0.82	
<b>04 21 26 00-0017 4W Series Structural Glazed Clay Tile (04 21 26)</b>		
<b>04 21 26 00-0018 Glazed On One Side 4W Series Structural Glazed Clay Tile (04 21 26 00-0017)</b>		
04 21 26 00-0019 SF 2" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8".....	21.81	
For Stacked Bond, Add	1.01	
04 21 26 00-0020 SF 4" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8".....	23.62	
For Stacked Bond, Add	1.01	
04 21 26 00-0021 SF 6" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8".....	31.30	
For Stacked Bond, Add	1.05	
<b>04 21 26 00-0022 Special Shapes 4W Series Structural Glazed Clay Tile (04 21 26 00-0017)</b>		
04 21 26 00-0023 LF Bullnose, Jamb Or Sill Shapes 4W Series Structural Glazed Clay Tile .....	21.23	
For Stacked Bond, Add	1.19	
04 21 26 00-0024 LF 2" Or 4" Cove Base 4W Series Structural Glazed Clay Tile.....	26.05	
For Stacked Bond, Add	1.19	
<b>04 21 26 00-0025 6T Series Sound Absorbing Structural Glazed Tile (04 21 26)</b>		
04 21 26 00-0026 SF 4" Thick, 6T Sound Absorbing Structural Glazed Tile.....	43.49	
04 21 26 00-0027 SF 6" Thick, 6T Sound Absorbing Structural Glazed Tile.....	48.02	
04 21 26 00-0028 SF 8" Thick, 6T Sound Absorbing Structural Glazed Tile.....	55.77	
<b>04 21 26 00-0029 8T Series Sound Absorbing Structural Glazed Tile (04 21 26)</b>		
04 21 26 00-0030 SF 4" Thick, 8T Sound Absorbing Structural Glazed Tile.....	68.89	
04 21 26 00-0031 SF 6" Thick, 8T Sound Absorbing Structural Glazed Tile.....	80.69	
04 21 26 00-0032 SF 8" Thick, 8T Acoustical Glazed Tile .....	93.81	
<b>04 21 29 Terra Cotta Masonry (04 21)</b>		
<b>04 21 29 00-0001 Coping (04 21 29)</b>		
Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts.		
04 21 29 00-0002 SF Terra Cotta Coping .....	54.38	19.59
For Smooth Tile Instead Of Scored, Add	2.06	
For Reinforcing With Steel Rods, Add	3.87	
<b>04 22 Concrete Unit Masonry (04 20)</b>		
Note: Includes block and mortar. Excludes horizontal and vertical reinforcing. See CSI section 04 05 19 13-0000 for joint reinforcing.		
<b>04 22 23 Architectural Concrete Unit Masonry (04 22)</b>		
<b>04 22 23 13 Exposed Aggregate Concrete Unit Masonry (04 22 23)</b>		
04 22 23 13-0001 Concrete Blocks (04 22 23 13)		
04 22 23 13-0002 Lightweight Concrete Blocks (04 22 23 13-0001)		
04 22 23 13-0003 Cored, Lightweight, Concrete Blocks (04 22 23 13-0002)		

<b>04</b>	<b>Masonry</b>
<b>04 20</b>	<b>Unit Masonry</b>
<b>04 22</b>	<b>Concrete Unit Masonry</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0004	SF		4" x 8" x 16", Cored, Lightweight, Concrete Block .....	6.29	
			For Stacked Bond, Add	1.26	
			For Scored Block, Add	0.29	
			For Curved Wall Application, Add	0.97	
			For <10, Small Area Replacements (Individual Areas), Add	7.40	
04 22 23 13-0005	SF		6" x 8" x 16", Cored, Lightweight, Concrete Block .....	7.09	
			For Stacked Bond, Add	1.37	
			For Scored Block, Add	0.36	
			For Curved Wall Application, Add	1.05	
			For <10, Small Area Replacements (Individual Areas), Add	8.04	
04 22 23 13-0006	SF		8" x 8" x 16", Cored, Lightweight, Concrete Block .....	7.71	
			For Stacked Bond, Add	1.47	
			For Scored Block, Add	0.41	
			For Curved Wall Application, Add	1.13	
			For <10, Small Area Replacements (Individual Areas), Add	8.64	
04 22 23 13-0007	SF		10" x 8" x 16", Cored, Lightweight, Concrete Block .....	8.64	
			For Stacked Bond, Add	1.54	
			For Scored Block, Add	0.55	
			For Curved Wall Application, Add	1.18	
			For <10, Small Area Replacements (Individual Areas), Add	9.07	
04 22 23 13-0008	SF		12" x 8" x 16", Cored, Lightweight, Concrete Block .....	10.16	
			For Stacked Bond, Add	1.88	
			For Scored Block, Add	0.59	
			For Curved Wall Application, Add	1.44	
			For <10, Small Area Replacements (Individual Areas), Add	11.05	
<b>04 22 23 13-0009</b>			<b>Solid, Lightweight, Concrete Blocks</b> (04 22 23 13-0002)		
04 22 23 13-0010	SF		4" x 8" x 16", Solid, Lightweight, Concrete Block .....	6.90	
			For Stacked Bond, Add	1.30	
			For Scored Block, Add	0.38	
			For Curved Wall Application, Add	1.00	
			For <10, Small Area Replacements (Individual Areas), Add	7.63	
04 22 23 13-0011	SF		6" x 8" x 16", Solid, Lightweight, Concrete Block .....	7.56	
			For Stacked Bond, Add	1.43	
			For Scored Block, Add	0.41	
			For Curved Wall Application, Add	1.10	
			For <10, Small Area Replacements (Individual Areas), Add	8.39	
04 22 23 13-0012	SF		8" x 8" x 16", Solid, Lightweight, Concrete Block .....	7.97	
			For Stacked Bond, Add	1.52	
			For Scored Block, Add	0.43	
			For Curved Wall Application, Add	1.17	
			For <10, Small Area Replacements (Individual Areas), Add	8.91	
04 22 23 13-0013	SF		10" x 8" x 16", Solid, Lightweight, Concrete Block .....	9.06	
			For Stacked Bond, Add	1.59	
			For Scored Block, Add	0.59	
			For Curved Wall Application, Add	1.22	
			For <10, Small Area Replacements (Individual Areas), Add	9.37	
04 22 23 13-0014	SF		12" x 8" x 16", Solid, Lightweight, Concrete Block .....	10.63	
			For Stacked Bond, Add	1.94	
			For Scored Block, Add	0.63	
			For Curved Wall Application, Add	1.49	
			For <10, Small Area Replacements (Individual Areas), Add	11.43	
<b>04 22 23 13-0015</b>			<b>Normal Weight Concrete Blocks</b> (04 22 23 13-0001)		
<b>04 22 23 13-0016</b>			<b>Cored, Normal Weight, Concrete Blocks</b> (04 22 23 13-0015)		
04 22 23 13-0017	SF		4" x 8" x 16", Cored, Normal Weight, Concrete Block .....	6.42	
			For Stacked Bond, Add	1.30	
			For Scored Block, Add	0.29	
			For Curved Wall Application, Add	1.00	
			For <10, Small Area Replacements (Individual Areas), Add	7.59	
04 22 23 13-0018	SF		6" x 8" x 16", Cored, Normal Weight, Concrete Block .....	7.13	
			For Stacked Bond, Add	1.43	
			For Scored Block, Add	0.33	
			For Curved Wall Application, Add	1.10	
			For <10, Small Area Replacements (Individual Areas), Add	8.36	
04 22 23 13-0019	SF		8" x 8" x 16", Cored, Normal Weight, Concrete Block .....	7.72	
			For Stacked Bond, Add	1.52	
			For Scored Block, Add	0.38	
			For Curved Wall Application, Add	1.17	
			For <10, Small Area Replacements (Individual Areas), Add	8.89	
04 22 23 13-0020	SF		10" x 8" x 16", Cored, Normal Weight, Concrete Block .....	9.74	
			For Stacked Bond, Add	1.59	
			For Scored Block, Add	0.73	
			For Curved Wall Application, Add	1.22	
			For <10, Small Area Replacements (Individual Areas), Add	9.42	
04 22 23 13-0021	SF		12" x 8" x 16", Cored, Normal Weight, Concrete Block .....	11.22	
			For Stacked Bond, Add	1.94	
			For Scored Block, Add	0.75	
			For Curved Wall Application, Add	1.49	
			For <10, Small Area Replacements (Individual Areas), Add	11.47	



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>04 22 23 13-0022</b>	<b>Solid, Normal Weight, Concrete Blocks</b> (04 22 23 13-0015)		
04 22 23 13-0023	SF 4" x 8" x 16", Solid, Normal Weight, Concrete Block.....	6.95	
	For Stacked Bond, Add	1.33	
	For Scored Block, Add	0.36	
	For Curved Wall Application, Add	1.03	
	For <10, Small Area Replacements (Individual Areas), Add	7.83	
04 22 23 13-0024	SF 6" x 8" x 16", Solid, Normal Weight, Concrete Block.....	7.35	
	For Stacked Bond, Add	1.47	
	For Scored Block, Add	0.34	
	For Curved Wall Application, Add	1.13	
	For <10, Small Area Replacements (Individual Areas), Add	8.62	
04 22 23 13-0025	SF 8" x 8" x 16", Solid, Normal Weight, Concrete Block.....	7.97	
	For Stacked Bond, Add	1.56	
	For Scored Block, Add	0.39	
	For Curved Wall Application, Add	1.20	
	For <10, Small Area Replacements (Individual Areas), Add	9.16	
04 22 23 13-0026	SF 10" x 8" x 16", Solid, Normal Weight, Concrete Block.....	8.92	
	For Stacked Bond, Add	1.64	
	For Scored Block, Add	0.52	
	For Curved Wall Application, Add	1.26	
	For <10, Small Area Replacements (Individual Areas), Add	9.65	
04 22 23 13-0027	SF 12" x 8" x 16", Solid, Normal Weight, Concrete Block.....	10.44	
	For Stacked Bond, Add	2.00	
	For Scored Block, Add	0.55	
	For Curved Wall Application, Add	1.54	
	For <10, Small Area Replacements (Individual Areas), Add	11.77	
<b>04 22 23 13-0028</b>	<b>Bond Beam Or Lintel Concrete Blocks</b> (04 22 23 13)		
<b>04 22 23 13-0029</b>	<b>Lightweight, Bond Beam Or Lintel Concrete Blocks</b> (04 22 23 13-0028)		
	Note: Excludes concrete fill and reinforcing.		
04 22 23 13-0030	LF 6" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block.....	7.52	
	For Stacked Bond, Add	1.37	
	For Grout And Fill With 2 #5 Rebar, Add	4.89	
	For Scored Block, Add	0.45	
	For Curved Wall Application, Add	1.05	
04 22 23 13-0031	LF 8" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block.....	8.37	
	For Stacked Bond, Add	1.47	
	For Grout And Fill With 2 #5 Rebar, Add	5.54	
	For Scored Block, Add	0.54	
	For Curved Wall Application, Add	1.13	
04 22 23 13-0032	LF 12" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block.....	10.11	
	For Stacked Bond, Add	1.88	
	For Grout And Fill With 2 #5 Rebar, Add	6.50	
	For Scored Block, Add	0.58	
	For Curved Wall Application, Add	1.44	
<b>04 22 23 13-0033</b>	<b>Normal Weight, Bond Beam Or Lintel Concrete Blocks</b> (04 22 23 13-0028)		
	Note: Excludes concrete fill and reinforcing.		
04 22 23 13-0034	LF 6" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block.....	7.41	
	For Stacked Bond, Add	1.43	
	For Grout And Fill With 2 #5 Rebar, Add	4.67	
	For Scored Block, Add	0.38	
	For Curved Wall Application, Add	1.10	
04 22 23 13-0035	LF 8" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block.....	8.22	
	For Stacked Bond, Add	1.52	
	For Grout And Fill With 2 #5 Rebar, Add	5.31	
	For Scored Block, Add	0.48	
	For Curved Wall Application, Add	1.17	
04 22 23 13-0036	LF 12" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block.....	10.03	
	For Stacked Bond, Add	1.94	
	For Grout And Fill With 2 #5 Rebar, Add	6.30	
	For Scored Block, Add	0.51	
	For Curved Wall Application, Add	1.49	
<b>04 22 23 23</b>	<b>Prefaced Concrete Unit Masonry</b> (04 22 23)		
<b>04 22 23 23-0001</b>	<b>Ground Face Concrete Blocks</b> (04 22 23 23)		
04 22 23 23-0002	SF 4" x 8" x 16", Ground Face, Concrete Block.....	8.40	
	For Stacked Bond, Add	1.59	
	For Scored Block, Add	0.46	
	For Curved Wall Application, Add	1.22	
	For <10, Small Area Replacements (Individual Areas), Add	9.32	
04 22 23 23-0003	SF 6" x 8" x 16", Ground Face, Concrete Block.....	9.49	
	For Stacked Bond, Add	1.79	
	For Scored Block, Add	0.52	
	For Curved Wall Application, Add	1.37	
	For <10, Small Area Replacements (Individual Areas), Add	10.50	

<b>04</b>	<b>Masonry</b>
<b>04 20</b>	<b>Unit Masonry</b>
<b>04 22</b>	<b>Concrete Unit Masonry</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 23-0004 SF 8" x 8" x 16", Ground Face, Concrete Block .....	10.35	
For Stacked Bond, Add	1.89	
For Scored Block, Add	0.62	
For Curved Wall Application, Add	1.45	
For <10, Small Area Replacements (Individual Areas), Add	11.11	
04 22 23 23-0005 SF 10" x 8" x 16", Ground Face, Concrete Block .....	11.11	
For Stacked Bond, Add	2.00	
For Scored Block, Add	0.68	
For Curved Wall Application, Add	1.54	
For <10, Small Area Replacements (Individual Areas), Add	11.79	
04 22 23 23-0006 SF 12" x 8" x 16", Ground Face, Concrete Block .....	13.06	
For Stacked Bond, Add	2.42	
For Scored Block, Add	0.75	
For Curved Wall Application, Add	1.86	
For <10, Small Area Replacements (Individual Areas), Add	14.26	
<b>04 22 23 26 Sound-Absorbing Concrete Unit Masonry (04 22 23)</b>		
<b>04 22 23 26-0001 Slotted, Acoustical Concrete Block (04 22 23 26)</b>		
04 22 23 26-0002 SF 4" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block .....	12.45	
For Stacked Bond, Add	1.59	
For Curved Wall Application, Add	1.22	
For <10, Small Area Replacements (Individual Areas), Add	9.63	
04 22 23 26-0003 SF 6" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block .....	14.08	
For Stacked Bond, Add	1.72	
For Curved Wall Application, Add	1.33	
For <10, Small Area Replacements (Individual Areas), Add	10.50	
04 22 23 26-0004 SF 8" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block .....	16.43	
For Stacked Bond, Add	1.89	
For Curved Wall Application, Add	1.45	
For <10, Small Area Replacements (Individual Areas), Add	11.56	
<b>04 22 23 29 Split-Face Concrete Unit Masonry (04 22 23)</b>		
<b>04 22 23 29-0001 Split Face, Concrete Blocks (04 22 23 29)</b>		
<b>04 22 23 29-0002 Plain Or Scored, Split Face, Concrete Blocks (04 22 23 29-0001)</b>		
04 22 23 29-0003 SF 4" x 8" x 16", Plain Or Scored, Split Face, Concrete Block .....	8.67	
For Stacked Bond, Add	1.59	
For Curved Wall Application, Add	1.22	
For <10, Small Area Replacements (Individual Areas), Add	9.34	
04 22 23 29-0004 SF 6" x 8" x 16", Plain Or Scored, Split Face, Concrete Block .....	9.81	
For Stacked Bond, Add	1.79	
For Curved Wall Application, Add	1.37	
For <10, Small Area Replacements (Individual Areas), Add	10.53	
04 22 23 29-0005 SF 8" x 8" x 16", Plain Or Scored, Split Face, Concrete Block .....	10.71	
For Stacked Bond, Add	1.89	
For Curved Wall Application, Add	1.45	
For <10, Small Area Replacements (Individual Areas), Add	11.13	
04 22 23 29-0006 SF 10" x 8" x 16", Plain Or Scored, Split Face, Concrete Block .....	11.54	
For Stacked Bond, Add	2.00	
For Curved Wall Application, Add	1.54	
For <10, Small Area Replacements (Individual Areas), Add	11.82	
04 22 23 29-0007 SF 12" x 8" x 16", Plain Or Scored, Split Face, Concrete Block .....	13.03	
For Stacked Bond, Add	2.42	
For Curved Wall Application, Add	1.86	
For <10, Small Area Replacements (Individual Areas), Add	14.26	
<b>04 22 23 29-0008 Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Blocks (04 22 23 29-0001)</b>		
04 22 23 29-0009 SF 4" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block .....	9.32	
For Stacked Bond, Add	1.59	
For Grout And Fill With 2 #5 Rebar, Add	6.27	
For Curved Wall Application, Add	1.22	
For <10, Small Area Replacements (Individual Areas), Add	9.39	
04 22 23 29-0010 SF 6" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block .....	10.54	
For Stacked Bond, Add	1.79	
For Grout And Fill With 2 #5 Rebar, Add	7.11	
For Curved Wall Application, Add	1.37	
For <10, Small Area Replacements (Individual Areas), Add	10.58	
04 22 23 29-0011 SF 8" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block .....	11.58	
For Stacked Bond, Add	1.89	
For Grout And Fill With 2 #5 Rebar, Add	7.96	
For Curved Wall Application, Add	1.45	
For <10, Small Area Replacements (Individual Areas), Add	11.20	
04 22 23 29-0012 SF 10" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block .....	12.50	
For Stacked Bond, Add	2.00	
For Grout And Fill With 2 #5 Rebar, Add	8.66	
For Curved Wall Application, Add	1.54	
For <10, Small Area Replacements (Individual Areas), Add	11.90	



<b>Masonry</b>	<b>04</b>
<b>Unit Masonry</b>	<b>04 20</b>
<b>Concrete Unit Masonry</b>	<b>04 22</b>

04

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 29-0013 SF 12" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block.....	13.96	
For Stacked Bond, Add	2.42	
For Grout And Fill With 2 #5 Rebar, Add	9.30	
For Curved Wall Application, Add	1.86	
For <10, Small Area Replacements (Individual Areas), Add	14.33	
<b>04 22 23 29-0014 Split Rib, Concrete Block</b> <small>(04 22 23 29)</small>		
<b>04 22 23 29-0015 Split Rib, Concrete Block</b> <small>(04 22 23 29-0014)</small>		
04 22 23 29-0016 SF 4" x 8" x 16", Split Rib, Concrete Block.....	8.47	
For Stacked Bond, Add	1.59	
For Curved Wall Application, Add	1.22	
For <10, Small Area Replacements (Individual Areas), Add	9.33	
04 22 23 29-0017 SF 6" x 8" x 16", Split Rib, Concrete Block.....	10.29	
For Stacked Bond, Add	1.79	
For Curved Wall Application, Add	1.37	
For <10, Small Area Replacements (Individual Areas), Add	10.56	
04 22 23 29-0018 SF 8" x 8" x 16", Split Rib, Concrete Block.....	10.96	
For Stacked Bond, Add	1.89	
For Curved Wall Application, Add	1.45	
For <10, Small Area Replacements (Individual Areas), Add	11.15	
04 22 23 29-0019 SF 10" x 8" x 16", Split Rib, Concrete Block.....	11.74	
For Stacked Bond, Add	2.00	
For Curved Wall Application, Add	1.54	
For <10, Small Area Replacements (Individual Areas), Add	11.84	
04 22 23 29-0020 SF 12" x 8" x 16", Split Rib, Concrete Block.....	13.76	
For Stacked Bond, Add	2.42	
For Curved Wall Application, Add	1.86	
For <10, Small Area Replacements (Individual Areas), Add	14.31	
<b>04 22 23 31 Glazed Concrete Masonry Unit</b> <small>(04 22 23)</small>		
<b>04 22 23 31-0001 One Glazed Face, Concrete Blocks</b> <small>(04 22 23 31)</small>		
<b>04 22 23 31-0002 One Glazed Face, Concrete Blocks</b> <small>(04 22 23 31-0001)</small>		
04 22 23 31-0003 SF 4" x 8" x 16", One Glazed Face, Concrete Block.....	17.29	
For Stacked Bond, Add	1.54	
For Curved Wall Application, Add	1.18	
For <10, Small Area Replacements (Individual Areas), Add	9.72	
04 22 23 31-0004 SF 6" x 8" x 16", One Glazed Face, Concrete Block.....	18.43	
For Stacked Bond, Add	1.69	
For Curved Wall Application, Add	1.30	
For <10, Small Area Replacements (Individual Areas), Add	10.66	
04 22 23 31-0005 SF 8" x 8" x 16", One Glazed Face, Concrete Block.....	19.54	
For Stacked Bond, Add	1.79	
For Curved Wall Application, Add	1.37	
For <10, Small Area Replacements (Individual Areas), Add	11.26	
04 22 23 31-0006 SF 10" x 8" x 16", One Glazed Face, Concrete Block.....	20.70	
For Stacked Bond, Add	1.89	
For Curved Wall Application, Add	1.45	
For <10, Small Area Replacements (Individual Areas), Add	11.88	
04 22 23 31-0007 SF 12" x 8" x 16", One Glazed Face, Concrete Block.....	22.88	
For Stacked Bond, Add	2.28	
For Curved Wall Application, Add	1.75	
For <10, Small Area Replacements (Individual Areas), Add	14.21	
<b>04 22 23 31-0008 Two Glazed Faces, Concrete Blocks</b> <small>(04 22 23 31)</small>		
<b>04 22 23 31-0009 Two Glazed Faces, Concrete Blocks</b> <small>(04 22 23 31-0008)</small>		
04 22 23 31-0010 SF 4" x 8" x 16", Two Glazed Faces, Concrete Block.....	23.66	
For Stacked Bond, Add	1.76	
For Curved Wall Application, Add	1.35	
For <10, Small Area Replacements (Individual Areas), Add	11.39	
04 22 23 31-0011 SF 6" x 8" x 16", Two Glazed Faces, Concrete Block.....	24.72	
For Stacked Bond, Add	1.89	
For Curved Wall Application, Add	1.45	
For <10, Small Area Replacements (Individual Areas), Add	12.19	
04 22 23 31-0012 SF 8" x 8" x 16", Two Glazed Faces, Concrete Block.....	26.24	
For Stacked Bond, Add	2.09	
For Curved Wall Application, Add	1.60	
For <10, Small Area Replacements (Individual Areas), Add	13.40	
<b>04 23 Glass Unit Masonry</b> <small>(04 20)</small>		
<b>04 23 13 Vertical Glass Unit Masonry</b> <small>(04 23)</small>		
Note: Includes 1/4" mortar joints and caulking. Excludes joint reinforcement and anchors.		
04 23 13 00-0001 Glass Block Unit Masonry <small>(04 23 13)</small>		



<b>04</b>	<b>Masonry</b>
<b>04 20</b>	<b>Unit Masonry</b>
<b>04 23</b>	<b>Glass Unit Masonry</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 23 13 00-0002	SF		6" x 6" x 4" Plain Glass Block.....	39.59	
			For Solar Reflective (Suntrol) Blocks, Add	8.41	
			For Essex (Horizontal Striated) Blocks, Add	4.80	
			For Sculptured Or Patterned Blocks, Add	8.41	
			For Colored Glass, Add	24.02	
			For Thinline Block, Deduct	-6.01	
			For >1,000 To 5,000, Deduct	-2.75	
			For >5,000, Deduct	-4.72	
04 23 13 00-0003	SF		8" x 8" x 4" Plain Glass Block.....	28.44	
			For Solar Reflective (Suntrol) Blocks, Add	5.95	
			For Essex (Horizontal Striated) Blocks, Add	3.40	
			For Sculptured Or Patterned Blocks, Add	5.95	
			For Colored Glass, Add	17.00	
			For Thinline Block, Deduct	-4.25	
			For >1,000 To 5,000, Deduct	-1.99	
			For >5,000, Deduct	-3.40	
04 23 13 00-0004	SF		12" x 12" x 4" Plain Glass Block.....	32.26	
			For Solar Reflective (Suntrol) Blocks, Add	7.61	
			For Essex (Horizontal Striated) Blocks, Add	4.35	
			For Sculptured Or Patterned Blocks, Add	7.61	
			For Colored Glass, Add	21.73	
			For Thinline Block, Deduct	-5.43	
			For >1,000 To 5,000, Deduct	-2.13	
			For >5,000, Deduct	-3.74	
04 23 13 00-0005			<b>Solid Glass Block (Vistabrik®)</b> (04 23 13)		
04 23 13 00-0006	SF		3" x 8" x 3" Solid Glass Block (Vistabrik®).....	417.33	
04 23 13 00-0007	SF		4" x 8" x 3" Solid Glass Block (Vistabrik®).....	315.58	
04 23 13 00-0008	SF		6" x 8" x 3" Solid Glass Block (Vistabrik®).....	215.05	
04 23 13 00-0009	SF		8" x 8" x 3" Solid Glass Block (Vistabrik®).....	150.42	
<b>04 40</b>			<b>Stone Assemblies</b> (04)		
			Note: Includes pointing and cleaning of new stone and mortar. All stone prices include material and mortar.		
<b>04 41</b>			<b>Dry-Placed Stone</b> (04 40)		
04 41 00 00-0001			<b>Ashlar Veneer, Random Size, Square Cut Rough Stone</b> (04 41)		
04 41 00 00-0002	SF		4" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone.....	37.19	5.00
04 41 00 00-0003	SF		6" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone.....	38.37	5.00
<b>04 42</b>			<b>Exterior Stone Cladding</b> (04 40)		
<b>04 42 43</b>			<b>Stone Panels For Curtain Walls</b> (04 42)		
04 42 43 00-0001			<b>Marble Facing Panels</b> (04 42 43)		
			Note: 3' x 1.5'		
04 42 43 00-0002	SF		3/4" Thick Marble Facing Panels.....	44.12	8.31
04 42 43 00-0003	SF		7/8" Thick Marble Facing Panels.....	47.01	8.42
04 42 43 00-0004	SF		1-1/2" Thick Marble Facing Panels.....	55.44	8.58
04 42 43 00-0005	SF		2" Thick Marble Facing Panels.....	61.53	8.85
04 42 43 00-0006	SF		2-1/4" Thick Marble Facing Panels.....	65.63	9.39
04 42 43 00-0007	CF		Marble Face Panel.....	286.03	30.58
04 42 43 00-0008			<b>Smooth Limestone Panels</b> (04 42 43)		
			Note: Up to 12' x 5' panels.		
04 42 43 00-0009	SF		1-1/2" Thick Smooth Limestone Panels.....	34.90	16.68
04 42 43 00-0010	SF		2" Thick Smooth Limestone Panels.....	37.26	17.49
04 42 43 00-0011	SF		3" Thick Smooth Limestone Panels.....	39.79	18.30
04 42 43 00-0012	SF		4" Thick Smooth Limestone Panels.....	47.37	20.11
04 42 43 00-0013			<b>Sandstone Panels</b> (04 42 43)		
04 42 43 00-0014	SF		2-1/2" Thick Sandstone Panels.....	41.95	17.49
04 42 43 00-0015	SF		4" Thick Sandstone Panels.....	44.98	20.11
04 42 43 00-0016	SF		Split Face Sandstone Panels, Random Sizes.....	39.41	20.11
<b>04 43</b>			<b>Stone Masonry</b> (04 40)		
<b>04 43 16</b>			<b>Stone Fabrications</b> (04 43)		
04 43 16 00-0001			<b>Marble</b> (04 43 16)		
04 43 16 00-0002			<b>Marble Base</b> (04 43 16 00-0001)		
			Note: 1" thick.		
04 43 16 00-0003	LF		4" High Marble Base.....	57.05	33.62
04 43 16 00-0004	LF		6" High Marble Base.....	65.71	36.63



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>04 43 16 00-0005</b> Marble Columns <small>(04 43 16 00-0001)</small>		
04 43 16 00-0006 CF Plain Faced Solid Marble Columns.....	187.38	30.58
04 43 16 00-0007 CF Fluted, Carved Solid Marble Columns.....	332.31	30.58
<b>04 43 16 00-0008</b> Marble Flooring <small>(04 43 16 00-0001)</small>		
04 43 16 00-0009 SF 3/8" Uniform Color Marble Flooring.....	17.14	7.70
04 43 16 00-0010 SF 1/2" Uniform Color Marble Flooring.....	18.74	7.70
04 43 16 00-0011 SF 1/2" Travertine Marble Flooring.....	22.76	8.80
<b>04 43 16 00-0012</b> Marble Items <small>(04 43 16 00-0001)</small>		
04 43 16 00-0013 LF 12" Wide Marble Stair Treads.....	50.70	11.99
04 43 16 00-0014 LF 6" Wide Marble Stair Risers.....	38.30	9.62
04 43 16 00-0015 LF 6" Wide x 2" Thick Marble Window Sills.....	22.12	7.20
04 43 16 00-0016 LF 5" Wide x 7/8" Thick Marble Window Stool, Polished.....	46.41	8.84
04 43 16 00-0017 SF 7/8" Thick, Non Skid, Marble Patio Blocks.....	22.29	11.16
<b>04 43 16 00-0018</b> Limestone <small>(04 43 16)</small>		
<b>04 43 16 00-0019</b> Ashlar Veneer Limestone <small>(04 43 16 00-0018)</small>		
04 43 16 00-0020 SF 4" Ashlar Veneer Limestone, Random Sizes.....	41.00	11.99
04 43 16 00-0021 SF 6" To 8" Thick, Pitched Face Ashlar Veneer Limestone, Random Sizes.....	64.38	16.47
<b>04 43 16 00-0022</b> Limestone Coping <small>(04 43 16 00-0018)</small>		
Note: Measured from the highest point. Includes drilling into existing materials, caulk and ties.		
04 43 16 00-0023 SF 2-1/2" Thick Limestone Coping.....	19.33	4.29
04 43 16 00-0024 SF 3" Thick Limestone Coping.....	22.01	4.56
04 43 16 00-0025 SF 3-1/2" Thick Limestone Coping.....	24.70	4.83
04 43 16 00-0026 SF 4" Thick Limestone Coping.....	26.85	4.99
04 43 16 00-0027 SF 5" Thick Limestone Coping.....	31.69	5.10
04 43 16 00-0028 SF 6" Thick Limestone Coping.....	49.16	5.37
04 43 16 00-0029 CF >6" Thick Limestone Coping.....	80.44	10.93
<b>04 43 16 00-0030</b> Limestone Stair Treads <small>(04 43 16 00-0018)</small>		
04 43 16 00-0031 SF 2" Thick Limestone Treads.....	21.53	4.02
04 43 16 00-0032 SF 2-1/2" Thick Limestone Treads.....	23.08	4.29
04 43 16 00-0033 SF 3" Thick Limestone Treads.....	26.20	4.56
04 43 16 00-0034 SF 3-1/2" Thick Limestone Treads.....	28.78	4.83
04 43 16 00-0035 SF 4" Thick Limestone Treads.....	31.35	4.83
04 43 16 00-0036 SF 5" Thick Limestone Treads.....	35.44	5.10
04 43 16 00-0037 SF 6" Thick Limestone Tread, Smooth Finish.....	52.60	5.37
<b>04 43 16 00-0038</b> Limestone Items <small>(04 43 16 00-0018)</small>		
04 43 16 00-0039 CF Sawn Edge Limestone Block, Sill, Lintel, Jamb And Other Trim.....	121.16	41.01
<b>04 43 16 00-0040</b> Granite <small>(04 43 16)</small>		
<b>04 43 16 00-0041</b> Polished Granite Veneer Facing Panels <small>(04 43 16 00-0040)</small>		
Note: Excludes structural support steel.		
04 43 16 00-0042 SF 7/8" Thick Black Polished Granite Veneer Facing Panels.....	67.27	16.79
04 43 16 00-0043 SF 7/8" Thick Gray Polished Granite Veneer Facing Panels.....	60.17	16.79
<b>04 43 16 00-0044</b> Granite Stair Treads <small>(04 43 16 00-0040)</small>		
04 43 16 00-0045 SF 2" Thick Granite Stair Tread.....	39.75	4.02
<b>04 43 16 00-0046</b> Slate <small>(04 43 16)</small>		
<b>04 43 16 00-0047</b> Slate Panels Or Sills <small>(04 43 16 00-0046)</small>		
04 43 16 00-0048 SF 1" Thick Slate Panels.....	36.53	16.79
04 43 16 00-0049 SF 2" Thick Slate Panels.....	45.69	16.79
<b>04 43 16 00-0050</b> Slate Sills Or Stools <small>(04 43 16 00-0046)</small>		
04 43 16 00-0051 LF 6" Wide, 1" Thick Slate Sills Or Stools With Sand Finish.....	17.15	7.25
04 43 16 00-0052 LF 10" Wide, 1" Thick Slate Sills Or Stools With Sand Finish.....	22.98	7.25
04 43 16 00-0053 LF 6" Wide, 2" Thick Slate Sills Or Stools With Sand Finish.....	22.15	7.25
04 43 16 00-0054 LF 10" Wide, 2" Thick Slate Sills Or Stools With Sand Finish.....	34.65	7.25
<b>04 43 16 00-0055</b> Slate Stair Treads <small>(04 43 16 00-0046)</small>		
04 43 16 00-0056 SF 2" Thick Slate Stair Tread.....	27.19	4.02

<b>04</b>	<b>04</b>	<b>Masonry</b>
	<b>04 40</b>	<b>Stone Assemblies</b>
	<b>04 43</b>	<b>Stone Masonry</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**04 50 Refractory Masonry** (04)

**04 51 Flue Liner Masonry** (04 50)

Note: Includes mortar joints.

**04 51 00 00-0001 Rectangular Flue Liners** (04 51)

04 51 00 00-0002	VLF	4" x 8" Clay Flue Liners.....	12.88
04 51 00 00-0003	VLF	8" x 8" Clay Flue Liners.....	18.84
04 51 00 00-0004	VLF	8" x 12" Clay Flue Liners.....	21.17
04 51 00 00-0005	VLF	12" x 12" Clay Flue Liners.....	26.58
04 51 00 00-0006	VLF	12" x 16" Clay Flue Liners.....	33.59
04 51 00 00-0007	VLF	12" x 18" Clay Flue Liners.....	38.65
04 51 00 00-0008	VLF	16" x 16" Clay Flue Liners.....	41.82
04 51 00 00-0009	VLF	16" x 20" Clay Flue Liners.....	53.00
04 51 00 00-0010	VLF	18" x 18" Clay Flue Liners.....	56.79
04 51 00 00-0011	VLF	20" x 20" Clay Flue Liners.....	74.38
04 51 00 00-0012	VLF	20" x 24" Clay Flue Liners.....	81.18
04 51 00 00-0013	VLF	24" x 24" Clay Flue Liners.....	97.26

**04 51 00 00-0014 Round Flue Liners** (04 51)

04 51 00 00-0015	VLF	6" Diameter Clay Flue Liners .....	34.29
04 51 00 00-0016	VLF	8" Diameter Clay Flue Liners .....	52.45
04 51 00 00-0017	VLF	10" Diameter Clay Flue Liners .....	70.37
04 51 00 00-0018	VLF	12" Diameter Clay Flue Liners .....	86.61
04 51 00 00-0019	VLF	15" Diameter Clay Flue Liners .....	107.55
04 51 00 00-0020	VLF	18" Diameter Clay Flue Liners .....	116.35
04 51 00 00-0021	VLF	21" Diameter Clay Flue Liners .....	149.23
04 51 00 00-0022	VLF	24" Diameter Clay Flue Liners .....	183.87
04 51 00 00-0023	VLF	27" Diameter Clay Flue Liners .....	212.43
04 51 00 00-0024	VLF	30" Diameter Clay Flue Liners .....	241.81
04 51 00 00-0025	VLF	33" Diameter Clay Flue Liners .....	252.55
04 51 00 00-0026	VLF	36" Diameter Clay Flue Liners .....	259.51

**04 51 00 00-0027 Standard Chimney Block** (04 51)

Note: Includes refractory mortar. Excludes flue liners.

04 51 00 00-0028	EA	14" x 14" x 8" Concrete Block Chimney Unit.....	16.01
04 51 00 00-0029	EA	14" x 18" x 8" Concrete Block Chimney Unit.....	17.72
04 51 00 00-0030	EA	16" x 16" x 8" Concrete Block Chimney Unit.....	17.82
04 51 00 00-0031	EA	17" x 17" x 8" Concrete Block Chimney Unit.....	18.72
04 51 00 00-0032	EA	16" x 20" x 8" Concrete Block Chimney Unit.....	19.75
04 51 00 00-0033	EA	17" x 21" x 8" Concrete Block Chimney Unit.....	20.87
04 51 00 00-0034	EA	21" x 21" x 8" Concrete Block Chimney Unit.....	23.64

**04 70 Manufactured Masonry** (04)

**04 72 Cast Stone Masonry** (04 70)

**04 72 00 00-0001 Solid Precast Concrete Lintels** (04 72)

**04 72 00 00-0002 Solid Precast Concrete Lintels** (04 72 00 00-0001)

04 72 00 00-0003	LF	4" x 8", Solid Precast Concrete Lintel .....	9.11
04 72 00 00-0004	LF	6" x 8", Solid Precast Concrete Lintel .....	11.83
04 72 00 00-0005	LF	8" x 8", Solid Precast Concrete Lintel .....	14.78

**04 72 00 00-0006 U Shaped Precast Concrete Lintels** (04 72 00 00-0001)

Note: Excludes concrete fill and field added reinforcing. See CSI section 04 05 16 26-0001 for concrete fill.

04 72 00 00-0007	LF	6" x 8", U Shaped Precast Concrete Lintel .....	9.78
04 72 00 00-0008	LF	8" x 8", U Shaped Precast Concrete Lintel .....	11.98
04 72 00 00-0009	LF	12" x 8", U Shaped Precast Concrete Lintel .....	20.34

**04 72 00 00-0010 Precast Concrete Coping** (04 72)

Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts.

**04 72 00 00-0011 Precast Concrete Coping** (04 72 00 00-0010)

Note: Measured at highest point.

04 72 00 00-0012	SF	2" Thick Precast Concrete Coping .....	30.62	5.92
04 72 00 00-0013	SF	2-1/2" Thick Precast Concrete Coping.....	35.20	6.38
04 72 00 00-0014	SF	3" Thick Precast Concrete Coping .....	40.98	6.83
04 72 00 00-0015	SF	3-1/2" Thick Precast Concrete Coping.....	44.53	7.29
04 72 00 00-0016	SF	4" Thick Precast Concrete Coping .....	48.12	7.74
04 72 00 00-0017	SF	5" Thick Precast Concrete Coping .....	57.90	8.20
04 72 00 00-0018	SF	6" Thick Precast Concrete Coping .....	66.76	8.66



<b>Masonry</b>	<b>04</b>	<b>04</b>
Manufactured Masonry	04 70	
Cast Stone Masonry	04 72	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 72 00 00-0019    Precast Concrete Window Sills <small>(04 72)</small> Note: Includes caulk and ties.		
04 72 00 00-0020    Precast Concrete Window Sills <small>(04 72 00 00-0019)</small>		
04 72 00 00-0021    LF    6" Wide Precast Concrete Window Sill .....	22.78	4.56
04 72 00 00-0022    LF    10" Wide Precast Concrete Window Sill .....	35.71	4.56
04 72 00 00-0023    LF    14" Wide Precast Concrete Window Sill .....	42.85	4.56

**END OF SECTION 04**

04	<b>04</b>	<b>Masonry</b>
	04 70	Manufactured Masonry
	04 72	Cast Stone Masonry




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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 05 Metals

### 05 05 Common Work Results For Metals <sup>(05)</sup>

#### 05 05 19 Post-Installed Concrete Anchors <sup>(05 05)</sup>

See CSI section 03 15 19 00-0000 for cast-in concrete anchors.

05 05 19 00-0001	Concrete And Masonry Anchors <sup>(05 05 19)</sup>		
05 05 19 00-0002	Expansion Anchors <sup>(05 05 19 00-0001)</sup> Note: Includes drilling.		
05 05 19 00-0003	Wedge Expansion Bolt Anchors <sup>(05 05 19 00-0002)</sup>		
05 05 19 00-0004	Zinc Plated Steel, Wedge Anchor Expansion Bolt <sup>(05 05 19 00-0003)</sup> Note: Includes nut and washer.		
05 05 19 00-0005	EA 1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	4.43	
	For >10 To 50, Deduct	-0.20	
	For >50 To 100, Deduct	-0.40	
	For >100, Deduct	-0.81	
05 05 19 00-0006	EA 1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	4.52	
	For >10 To 50, Deduct	-0.20	
	For >50 To 100, Deduct	-0.41	
	For >100, Deduct	-0.81	
05 05 19 00-0007	EA 1/4" Diameter x 3-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	4.67	
	For >10 To 50, Deduct	-0.20	
	For >50 To 100, Deduct	-0.42	
	For >100, Deduct	-0.83	
05 05 19 00-0008	EA 3/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	5.51	
	For >10 To 50, Deduct	-0.24	
	For >50 To 100, Deduct	-0.49	
	For >100, Deduct	-0.99	
05 05 19 00-0009	EA 3/8" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	5.57	
	For >10 To 50, Deduct	-0.24	
	For >50 To 100, Deduct	-0.50	
	For >100, Deduct	-0.99	
05 05 19 00-0010	EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	5.59	
	For >10 To 50, Deduct	-0.24	
	For >50 To 100, Deduct	-0.50	
	For >100, Deduct	-0.99	
05 05 19 00-0011	EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	5.83	
	For >10 To 50, Deduct	-0.24	
	For >50 To 100, Deduct	-0.50	
	For >100, Deduct	-1.00	
05 05 19 00-0012	EA 1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	8.12	
	For >10 To 50, Deduct	-0.34	
	For >50 To 100, Deduct	-0.71	
	For >100, Deduct	-1.42	
05 05 19 00-0013	EA 1/2" Diameter x 3-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	8.17	
	For >10 To 50, Deduct	-0.34	
	For >50 To 100, Deduct	-0.71	
	For >100, Deduct	-1.42	
05 05 19 00-0014	EA 1/2" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	8.27	
	For >10 To 50, Deduct	-0.34	
	For >50 To 100, Deduct	-0.71	
	For >100, Deduct	-1.43	
05 05 19 00-0015	EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	8.54	
	For >10 To 50, Deduct	-0.34	
	For >50 To 100, Deduct	-0.72	
	For >100, Deduct	-1.44	
05 05 19 00-0016	EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	8.91	
	For >10 To 50, Deduct	-0.34	
	For >50 To 100, Deduct	-0.73	
	For >100, Deduct	-1.46	
05 05 19 00-0017	EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	11.09	
	For >10 To 50, Deduct	-0.42	
	For >50 To 100, Deduct	-0.90	
	For >100, Deduct	-1.81	
05 05 19 00-0018	EA 5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	11.17	
	For >10 To 50, Deduct	-0.42	
	For >50 To 100, Deduct	-0.90	
	For >100, Deduct	-1.81	
05 05 19 00-0019	EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	11.34	
	For >10 To 50, Deduct	-0.42	
	For >50 To 100, Deduct	-0.91	
	For >100, Deduct	-1.82	
05 05 19 00-0020	EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	11.67	
	For >10 To 50, Deduct	-0.42	
	For >50 To 100, Deduct	-0.92	
	For >100, Deduct	-1.83	
05 05 19 00-0021	EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	12.01	
	For >10 To 50, Deduct	-0.42	
	For >50 To 100, Deduct	-0.93	
	For >100, Deduct	-1.85	

**05 Metals****05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0022	EA		5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	14.63	
			<i>For &gt;10 To 50, Deduct</i>	-0.42	
			<i>For &gt;50 To 100, Deduct</i>	-0.99	
			<i>For &gt;100, Deduct</i>	-1.98	
05 05 19 00-0023	EA		5/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	16.88	
			<i>For &gt;10 To 50, Deduct</i>	-0.42	
			<i>For &gt;50 To 100, Deduct</i>	-1.05	
			<i>For &gt;100, Deduct</i>	-2.10	
05 05 19 00-0024	EA		3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	13.55	
			<i>For &gt;10 To 50, Deduct</i>	-0.50	
			<i>For &gt;50 To 100, Deduct</i>	-1.08	
			<i>For &gt;100, Deduct</i>	-2.16	
05 05 19 00-0025	EA		3/4" Diameter x 4-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	13.62	
			<i>For &gt;10 To 50, Deduct</i>	-0.50	
			<i>For &gt;50 To 100, Deduct</i>	-1.08	
			<i>For &gt;100, Deduct</i>	-2.17	
05 05 19 00-0026	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	14.02	
			<i>For &gt;10 To 50, Deduct</i>	-0.50	
			<i>For &gt;50 To 100, Deduct</i>	-1.09	
			<i>For &gt;100, Deduct</i>	-2.19	
05 05 19 00-0027	EA		3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	14.50	
			<i>For &gt;10 To 50, Deduct</i>	-0.50	
			<i>For &gt;50 To 100, Deduct</i>	-1.11	
			<i>For &gt;100, Deduct</i>	-2.21	
05 05 19 00-0028	EA		3/4" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	15.05	
			<i>For &gt;10 To 50, Deduct</i>	-0.50	
			<i>For &gt;50 To 100, Deduct</i>	-1.12	
			<i>For &gt;100, Deduct</i>	-2.24	
05 05 19 00-0029	EA		3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	17.16	
			<i>For &gt;10 To 50, Deduct</i>	-0.50	
			<i>For &gt;50 To 100, Deduct</i>	-1.17	
			<i>For &gt;100, Deduct</i>	-2.35	
05 05 19 00-0030	EA		3/4" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	19.95	
			<i>For &gt;10 To 50, Deduct</i>	-0.50	
			<i>For &gt;50 To 100, Deduct</i>	-1.24	
			<i>For &gt;100, Deduct</i>	-2.49	
05 05 19 00-0031	EA		3/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	23.11	
			<i>For &gt;10 To 50, Deduct</i>	-0.50	
			<i>For &gt;50 To 100, Deduct</i>	-1.32	
			<i>For &gt;100, Deduct</i>	-2.64	
05 05 19 00-0032	EA		7/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	21.15	
			<i>For &gt;10 To 50, Deduct</i>	-0.54	
			<i>For &gt;50 To 100, Deduct</i>	-1.34	
			<i>For &gt;100, Deduct</i>	-2.67	
05 05 19 00-0033	EA		7/8" Diameter x 8" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	22.81	
			<i>For &gt;10 To 50, Deduct</i>	-0.54	
			<i>For &gt;50 To 100, Deduct</i>	-1.38	
			<i>For &gt;100, Deduct</i>	-2.75	
05 05 19 00-0034	EA		7/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	25.01	
			<i>For &gt;10 To 50, Deduct</i>	-0.54	
			<i>For &gt;50 To 100, Deduct</i>	-1.43	
			<i>For &gt;100, Deduct</i>	-2.86	
05 05 19 00-0035	EA		1" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	25.49	
			<i>For &gt;10 To 50, Deduct</i>	-0.70	
			<i>For &gt;50 To 100, Deduct</i>	-1.68	
			<i>For &gt;100, Deduct</i>	-3.36	
05 05 19 00-0036	EA		1" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	28.61	
			<i>For &gt;10 To 50, Deduct</i>	-0.70	
			<i>For &gt;50 To 100, Deduct</i>	-1.76	
			<i>For &gt;100, Deduct</i>	-3.52	
05 05 19 00-0037	EA		1" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	31.71	
			<i>For &gt;10 To 50, Deduct</i>	-0.70	
			<i>For &gt;50 To 100, Deduct</i>	-1.84	
			<i>For &gt;100, Deduct</i>	-3.68	
05 05 19 00-0038	EA		1-1/4" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	33.57	
			<i>For &gt;10 To 50, Deduct</i>	-0.89	
			<i>For &gt;50 To 100, Deduct</i>	-2.18	
			<i>For &gt;100, Deduct</i>	-4.35	
05 05 19 00-0039	EA		1-1/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	35.80	
			<i>For &gt;10 To 50, Deduct</i>	-0.89	
			<i>For &gt;50 To 100, Deduct</i>	-2.23	
			<i>For &gt;100, Deduct</i>	-4.46	
05 05 19 00-0040			<b>304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt</b> <small>(05 05 19 00-0003)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0041	EA		1/4" Diameter x 1-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	5.17	
			<i>For &gt;10 To 50, Deduct</i>	-0.20	
			<i>For &gt;50 To 100, Deduct</i>	-0.42	
			<i>For &gt;100, Deduct</i>	-0.84	
05 05 19 00-0042	EA		1/4" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	5.46	
			<i>For &gt;10 To 50, Deduct</i>	-0.20	
			<i>For &gt;50 To 100, Deduct</i>	-0.43	
			<i>For &gt;100, Deduct</i>	-0.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0043 EA 1/4" Diameter x 3-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	5.75	
<i>For &gt;10 To 50, Deduct</i>	-0.20	
<i>For &gt;50 To 100, Deduct</i>	-0.44	
<i>For &gt;100, Deduct</i>	-0.89	
05 05 19 00-0044 EA 3/8" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	6.88	
<i>For &gt;10 To 50, Deduct</i>	-0.24	
<i>For &gt;50 To 100, Deduct</i>	-0.53	
<i>For &gt;100, Deduct</i>	-1.06	
05 05 19 00-0045 EA 3/8" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	7.14	
<i>For &gt;10 To 50, Deduct</i>	-0.24	
<i>For &gt;50 To 100, Deduct</i>	-0.53	
<i>For &gt;100, Deduct</i>	-1.07	
05 05 19 00-0046 EA 3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	7.32	
<i>For &gt;10 To 50, Deduct</i>	-0.24	
<i>For &gt;50 To 100, Deduct</i>	-0.54	
<i>For &gt;100, Deduct</i>	-1.08	
05 05 19 00-0047 EA 3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	8.70	
<i>For &gt;10 To 50, Deduct</i>	-0.24	
<i>For &gt;50 To 100, Deduct</i>	-0.57	
<i>For &gt;100, Deduct</i>	-1.15	
05 05 19 00-0048 EA 1/2" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	11.22	
<i>For &gt;10 To 50, Deduct</i>	-0.34	
<i>For &gt;50 To 100, Deduct</i>	-0.79	
<i>For &gt;100, Deduct</i>	-1.57	
05 05 19 00-0049 EA 1/2" Diameter x 3-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	11.70	
<i>For &gt;10 To 50, Deduct</i>	-0.34	
<i>For &gt;50 To 100, Deduct</i>	-0.80	
<i>For &gt;100, Deduct</i>	-1.60	
05 05 19 00-0050 EA 1/2" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	11.97	
<i>For &gt;10 To 50, Deduct</i>	-0.34	
<i>For &gt;50 To 100, Deduct</i>	-0.81	
<i>For &gt;100, Deduct</i>	-1.61	
05 05 19 00-0051 EA 1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	13.23	
<i>For &gt;10 To 50, Deduct</i>	-0.34	
<i>For &gt;50 To 100, Deduct</i>	-0.84	
<i>For &gt;100, Deduct</i>	-1.67	
05 05 19 00-0052 EA 1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	15.12	
<i>For &gt;10 To 50, Deduct</i>	-0.34	
<i>For &gt;50 To 100, Deduct</i>	-0.88	
<i>For &gt;100, Deduct</i>	-1.77	
05 05 19 00-0053 EA 5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	17.40	
<i>For &gt;10 To 50, Deduct</i>	-0.42	
<i>For &gt;50 To 100, Deduct</i>	-1.06	
<i>For &gt;100, Deduct</i>	-2.12	
05 05 19 00-0054 EA 5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	18.63	
<i>For &gt;10 To 50, Deduct</i>	-0.42	
<i>For &gt;50 To 100, Deduct</i>	-1.09	
<i>For &gt;100, Deduct</i>	-2.18	
05 05 19 00-0055 EA 5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	19.96	
<i>For &gt;10 To 50, Deduct</i>	-0.42	
<i>For &gt;50 To 100, Deduct</i>	-1.12	
<i>For &gt;100, Deduct</i>	-2.25	
05 05 19 00-0056 EA 5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	21.73	
<i>For &gt;10 To 50, Deduct</i>	-0.42	
<i>For &gt;50 To 100, Deduct</i>	-1.17	
<i>For &gt;100, Deduct</i>	-2.34	
05 05 19 00-0057 EA 5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	23.49	
<i>For &gt;10 To 50, Deduct</i>	-0.42	
<i>For &gt;50 To 100, Deduct</i>	-1.36	
<i>For &gt;100, Deduct</i>	-2.73	
05 05 19 00-0058 EA 3/4" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	20.79	
<i>For &gt;10 To 50, Deduct</i>	-0.50	
<i>For &gt;50 To 100, Deduct</i>	-1.26	
<i>For &gt;100, Deduct</i>	-2.53	
05 05 19 00-0059 EA 3/4" Diameter x 4-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	23.29	
<i>For &gt;10 To 50, Deduct</i>	-0.50	
<i>For &gt;50 To 100, Deduct</i>	-1.33	
<i>For &gt;100, Deduct</i>	-2.65	
05 05 19 00-0060 EA 3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	25.42	
<i>For &gt;10 To 50, Deduct</i>	-0.50	
<i>For &gt;50 To 100, Deduct</i>	-1.38	
<i>For &gt;100, Deduct</i>	-2.76	
05 05 19 00-0061 EA 3/4" Diameter x 6-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	25.69	
<i>For &gt;10 To 50, Deduct</i>	-0.50	
<i>For &gt;50 To 100, Deduct</i>	-1.39	
<i>For &gt;100, Deduct</i>	-2.77	
05 05 19 00-0062 EA 3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	27.69	
<i>For &gt;10 To 50, Deduct</i>	-0.50	
<i>For &gt;50 To 100, Deduct</i>	-1.44	
<i>For &gt;100, Deduct</i>	-2.87	
05 05 19 00-0063 EA 3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	32.90	
<i>For &gt;10 To 50, Deduct</i>	-0.50	
<i>For &gt;50 To 100, Deduct</i>	-1.57	
<i>For &gt;100, Deduct</i>	-3.13	



**05 Metals****05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0064	EA		3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	40.23	
			<i>For &gt;10 To 50, Deduct</i>	-0.50	
			<i>For &gt;50 To 100, Deduct</i>	-1.75	
			<i>For &gt;100, Deduct</i>	-3.50	
05 05 19 00-0065	EA		7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	39.71	
			<i>For &gt;10 To 50, Deduct</i>	-0.54	
			<i>For &gt;50 To 100, Deduct</i>	-1.80	
			<i>For &gt;100, Deduct</i>	-3.60	
05 05 19 00-0066	EA		1" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	59.34	
			<i>For &gt;10 To 50, Deduct</i>	-0.70	
			<i>For &gt;50 To 100, Deduct</i>	-2.53	
			<i>For &gt;100, Deduct</i>	-5.06	
05 05 19 00-0067	EA		1" Diameter x 9" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	70.19	
			<i>For &gt;10 To 50, Deduct</i>	-0.70	
			<i>For &gt;50 To 100, Deduct</i>	-2.80	
			<i>For &gt;100, Deduct</i>	-5.60	
<b>05 05 19 00-0068</b>			<b>316 Stainless Steel, Wedge Anchor Expansion Bolt</b> <small>(05 05 19 00-0003)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0069	EA		1/4" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	5.42	
			<i>For &gt;10 To 50, Deduct</i>	-0.20	
			<i>For &gt;50 To 100, Deduct</i>	-0.43	
			<i>For &gt;100, Deduct</i>	-0.86	
05 05 19 00-0070	EA		1/4" Diameter x 3-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	5.86	
			<i>For &gt;10 To 50, Deduct</i>	-0.20	
			<i>For &gt;50 To 100, Deduct</i>	-0.45	
			<i>For &gt;100, Deduct</i>	-0.89	
05 05 19 00-0071	EA		3/8" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	7.71	
			<i>For &gt;10 To 50, Deduct</i>	-0.24	
			<i>For &gt;50 To 100, Deduct</i>	-0.55	
			<i>For &gt;100, Deduct</i>	-1.10	
05 05 19 00-0072	EA		3/8" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	8.14	
			<i>For &gt;10 To 50, Deduct</i>	-0.24	
			<i>For &gt;50 To 100, Deduct</i>	-0.56	
			<i>For &gt;100, Deduct</i>	-1.12	
05 05 19 00-0073	EA		3/8" Diameter x 3" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	8.25	
			<i>For &gt;10 To 50, Deduct</i>	-0.24	
			<i>For &gt;50 To 100, Deduct</i>	-0.56	
			<i>For &gt;100, Deduct</i>	-1.13	
05 05 19 00-0074	EA		3/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	10.34	
			<i>For &gt;10 To 50, Deduct</i>	-0.24	
			<i>For &gt;50 To 100, Deduct</i>	-0.61	
			<i>For &gt;100, Deduct</i>	-1.23	
05 05 19 00-0075	EA		1/2" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	13.21	
			<i>For &gt;10 To 50, Deduct</i>	-0.34	
			<i>For &gt;50 To 100, Deduct</i>	-0.84	
			<i>For &gt;100, Deduct</i>	-1.67	
05 05 19 00-0076	EA		1/2" Diameter x 3-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	14.42	
			<i>For &gt;10 To 50, Deduct</i>	-0.34	
			<i>For &gt;50 To 100, Deduct</i>	-0.87	
			<i>For &gt;100, Deduct</i>	-1.73	
05 05 19 00-0077	EA		1/2" Diameter x 4-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	16.61	
			<i>For &gt;10 To 50, Deduct</i>	-0.34	
			<i>For &gt;50 To 100, Deduct</i>	-0.92	
			<i>For &gt;100, Deduct</i>	-1.84	
05 05 19 00-0078	EA		1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	17.16	
			<i>For &gt;10 To 50, Deduct</i>	-0.34	
			<i>For &gt;50 To 100, Deduct</i>	-0.94	
			<i>For &gt;100, Deduct</i>	-1.87	
05 05 19 00-0079	EA		5/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	24.13	
			<i>For &gt;10 To 50, Deduct</i>	-0.42	
			<i>For &gt;50 To 100, Deduct</i>	-1.23	
			<i>For &gt;100, Deduct</i>	-2.46	
05 05 19 00-0080	EA		5/8" Diameter x 7" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	24.79	
			<i>For &gt;10 To 50, Deduct</i>	-0.42	
			<i>For &gt;50 To 100, Deduct</i>	-1.25	
			<i>For &gt;100, Deduct</i>	-2.49	
05 05 19 00-0081	EA		3/4" Diameter x 4-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	30.20	
			<i>For &gt;10 To 50, Deduct</i>	-0.50	
			<i>For &gt;50 To 100, Deduct</i>	-1.50	
			<i>For &gt;100, Deduct</i>	-3.00	
05 05 19 00-0082	EA		3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	32.94	
			<i>For &gt;10 To 50, Deduct</i>	-0.50	
			<i>For &gt;50 To 100, Deduct</i>	-1.57	
			<i>For &gt;100, Deduct</i>	-3.13	
<b>05 05 19 00-0083</b>			<b>Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt</b> <small>(05 05 19 00-0003)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0084	EA		1/2" Diameter x 2-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	10.57	
			<i>For &gt;10 To 50, Deduct</i>	-0.34	
			<i>For &gt;50 To 100, Deduct</i>	-0.77	
			<i>For &gt;100, Deduct</i>	-1.54	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0085	EA			1/2" Diameter x 4-1/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	11.58	
				<i>For &gt;10 To 50, Deduct</i>	-0.34	
				<i>For &gt;50 To 100, Deduct</i>	-0.80	
				<i>For &gt;100, Deduct</i>	-1.59	
05 05 19 00-0086	EA			1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	12.59	
				<i>For &gt;10 To 50, Deduct</i>	-0.34	
				<i>For &gt;50 To 100, Deduct</i>	-0.82	
				<i>For &gt;100, Deduct</i>	-1.64	
05 05 19 00-0087	EA			1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	13.09	
				<i>For &gt;10 To 50, Deduct</i>	-0.34	
				<i>For &gt;50 To 100, Deduct</i>	-0.83	
				<i>For &gt;100, Deduct</i>	-1.67	
05 05 19 00-0088	EA			5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	15.59	
				<i>For &gt;10 To 50, Deduct</i>	-0.42	
				<i>For &gt;50 To 100, Deduct</i>	-1.02	
				<i>For &gt;100, Deduct</i>	-2.03	
05 05 19 00-0089	EA			5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	14.38	
				<i>For &gt;10 To 50, Deduct</i>	-0.42	
				<i>For &gt;50 To 100, Deduct</i>	-0.99	
				<i>For &gt;100, Deduct</i>	-1.97	
05 05 19 00-0090	EA			3/4" Diameter x 4-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	21.19	
				<i>For &gt;10 To 50, Deduct</i>	-0.50	
				<i>For &gt;50 To 100, Deduct</i>	-1.27	
				<i>For &gt;100, Deduct</i>	-2.55	
05 05 19 00-0091	EA			3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	22.30	
				<i>For &gt;10 To 50, Deduct</i>	-0.50	
				<i>For &gt;50 To 100, Deduct</i>	-1.30	
				<i>For &gt;100, Deduct</i>	-2.60	
05 05 19 00-0092	EA			3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	27.76	
				<i>For &gt;10 To 50, Deduct</i>	-0.50	
				<i>For &gt;50 To 100, Deduct</i>	-1.44	
				<i>For &gt;100, Deduct</i>	-2.88	
05 05 19 00-0093	EA			1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	25.54	
				<i>For &gt;10 To 50, Deduct</i>	-0.70	
				<i>For &gt;50 To 100, Deduct</i>	-1.68	
				<i>For &gt;100, Deduct</i>	-3.37	
05 05 19 00-0094	EA			1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	28.67	
				<i>For &gt;10 To 50, Deduct</i>	-0.70	
				<i>For &gt;50 To 100, Deduct</i>	-1.76	
				<i>For &gt;100, Deduct</i>	-3.52	
05 05 19 00-0095	EA			1" Diameter x 12" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	31.78	
				<i>For &gt;10 To 50, Deduct</i>	-0.70	
				<i>For &gt;50 To 100, Deduct</i>	-1.84	
				<i>For &gt;100, Deduct</i>	-3.68	
05 05 19 00-0096				<b>Concrete Sleeve Anchors</b> <small>(05 05 19 00-0002)</small>		
05 05 19 00-0097				<b>Zinc Plated Steel, Concrete Sleeve Anchors</b> <small>(05 05 19 00-0096)</small>		
				Note: Includes nut and washer.		
05 05 19 00-0098	EA			1/4" Diameter x 5/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	4.38	
				<i>For &gt;10 To 50, Deduct</i>	-0.20	
				<i>For &gt;50 To 100, Deduct</i>	-0.41	
				<i>For &gt;100, Deduct</i>	-0.82	
05 05 19 00-0099	EA			1/4" Diameter x 1-3/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	4.50	
				<i>For &gt;10 To 50, Deduct</i>	-0.20	
				<i>For &gt;50 To 100, Deduct</i>	-0.41	
				<i>For &gt;100, Deduct</i>	-0.82	
05 05 19 00-0100	EA			1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	4.65	
				<i>For &gt;10 To 50, Deduct</i>	-0.20	
				<i>For &gt;50 To 100, Deduct</i>	-0.42	
				<i>For &gt;100, Deduct</i>	-0.83	
05 05 19 00-0101	EA			5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	4.64	
				<i>For &gt;10 To 50, Deduct</i>	-0.21	
				<i>For &gt;50 To 100, Deduct</i>	-0.43	
				<i>For &gt;100, Deduct</i>	-0.86	
05 05 19 00-0102	EA			5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	4.74	
				<i>For &gt;10 To 50, Deduct</i>	-0.21	
				<i>For &gt;50 To 100, Deduct</i>	-0.43	
				<i>For &gt;100, Deduct</i>	-0.87	
05 05 19 00-0103	EA			3/8" Diameter x 1-7/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	5.26	
				<i>For &gt;10 To 50, Deduct</i>	-0.24	
				<i>For &gt;50 To 100, Deduct</i>	-0.49	
				<i>For &gt;100, Deduct</i>	-0.98	
05 05 19 00-0104	EA			3/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	5.46	
				<i>For &gt;10 To 50, Deduct</i>	-0.24	
				<i>For &gt;50 To 100, Deduct</i>	-0.49	
				<i>For &gt;100, Deduct</i>	-0.99	
05 05 19 00-0105	EA			3/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	5.65	
				<i>For &gt;10 To 50, Deduct</i>	-0.24	
				<i>For &gt;50 To 100, Deduct</i>	-0.50	
				<i>For &gt;100, Deduct</i>	-1.00	
05 05 19 00-0106	EA			1/2" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	7.67	
				<i>For &gt;10 To 50, Deduct</i>	-0.34	
				<i>For &gt;50 To 100, Deduct</i>	-0.70	
				<i>For &gt;100, Deduct</i>	-1.39	

**05 Metals****05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0107	EA		1/2" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	7.93	
			<i>For &gt;10 To 50, Deduct</i>	-0.34	
			<i>For &gt;50 To 100, Deduct</i>	-0.70	
			<i>For &gt;100, Deduct</i>	-1.41	
05 05 19 00-0108	EA		1/2" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	8.15	
			<i>For &gt;10 To 50, Deduct</i>	-0.34	
			<i>For &gt;50 To 100, Deduct</i>	-0.71	
			<i>For &gt;100, Deduct</i>	-1.42	
05 05 19 00-0109	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	8.41	
			<i>For &gt;10 To 50, Deduct</i>	-0.34	
			<i>For &gt;50 To 100, Deduct</i>	-0.72	
			<i>For &gt;100, Deduct</i>	-1.43	
05 05 19 00-0110	EA		5/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	9.78	
			<i>For &gt;10 To 50, Deduct</i>	-0.42	
			<i>For &gt;50 To 100, Deduct</i>	-0.87	
			<i>For &gt;100, Deduct</i>	-1.74	
05 05 19 00-0111	EA		5/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	10.16	
			<i>For &gt;10 To 50, Deduct</i>	-0.42	
			<i>For &gt;50 To 100, Deduct</i>	-0.88	
			<i>For &gt;100, Deduct</i>	-1.76	
05 05 19 00-0112	EA		5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	10.45	
			<i>For &gt;10 To 50, Deduct</i>	-0.42	
			<i>For &gt;50 To 100, Deduct</i>	-0.89	
			<i>For &gt;100, Deduct</i>	-1.77	
05 05 19 00-0113	EA		5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	11.27	
			<i>For &gt;10 To 50, Deduct</i>	-0.42	
			<i>For &gt;50 To 100, Deduct</i>	-0.91	
			<i>For &gt;100, Deduct</i>	-1.81	
05 05 19 00-0114	EA		3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	12.32	
			<i>For &gt;10 To 50, Deduct</i>	-0.50	
			<i>For &gt;50 To 100, Deduct</i>	-1.05	
			<i>For &gt;100, Deduct</i>	-2.10	
05 05 19 00-0115	EA		3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	13.03	
			<i>For &gt;10 To 50, Deduct</i>	-0.50	
			<i>For &gt;50 To 100, Deduct</i>	-1.07	
			<i>For &gt;100, Deduct</i>	-2.14	
05 05 19 00-0116	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	13.68	
			<i>For &gt;10 To 50, Deduct</i>	-0.50	
			<i>For &gt;50 To 100, Deduct</i>	-1.09	
			<i>For &gt;100, Deduct</i>	-2.17	
05 05 19 00-0117	EA		3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	14.70	
			<i>For &gt;10 To 50, Deduct</i>	-0.50	
			<i>For &gt;50 To 100, Deduct</i>	-1.11	
			<i>For &gt;100, Deduct</i>	-2.22	
<b>05 05 19 00-0118</b>			<b>304/18-8 Stainless Steel, Concrete Sleeve Anchors</b> <small>(05 05 19 00-0096)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0119	EA		1/4" Diameter x 1-3/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor .....	5.56	
			<i>For &gt;10 To 50, Deduct</i>	-0.20	
			<i>For &gt;50 To 100, Deduct</i>	-0.44	
			<i>For &gt;100, Deduct</i>	-0.88	
05 05 19 00-0120	EA		3/8" Diameter x 1-7/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor .....	7.70	
			<i>For &gt;10 To 50, Deduct</i>	-0.24	
			<i>For &gt;50 To 100, Deduct</i>	-0.55	
			<i>For &gt;100, Deduct</i>	-1.10	
05 05 19 00-0121	EA		3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor .....	8.86	
			<i>For &gt;10 To 50, Deduct</i>	-0.24	
			<i>For &gt;50 To 100, Deduct</i>	-0.58	
			<i>For &gt;100, Deduct</i>	-1.16	
05 05 19 00-0122	EA		1/2" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor .....	11.74	
			<i>For &gt;10 To 50, Deduct</i>	-0.34	
			<i>For &gt;50 To 100, Deduct</i>	-0.80	
			<i>For &gt;100, Deduct</i>	-1.60	
05 05 19 00-0123	EA		1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor .....	13.84	
			<i>For &gt;10 To 50, Deduct</i>	-0.34	
			<i>For &gt;50 To 100, Deduct</i>	-0.85	
			<i>For &gt;100, Deduct</i>	-1.70	
05 05 19 00-0124	EA		5/8" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor .....	19.76	
			<i>For &gt;10 To 50, Deduct</i>	-0.42	
			<i>For &gt;50 To 100, Deduct</i>	-1.12	
			<i>For &gt;100, Deduct</i>	-2.24	
<b>05 05 19 00-0125</b>			<b>Concrete Strike Anchors</b> <small>(05 05 19 00-0002)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0126	EA		1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor .....	4.96	
			<i>For &gt;10 To 50, Deduct</i>	-0.20	
			<i>For &gt;50 To 100, Deduct</i>	-0.42	
			<i>For &gt;100, Deduct</i>	-0.85	
05 05 19 00-0127	EA		1/4" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor .....	5.17	
			<i>For &gt;10 To 50, Deduct</i>	-0.20	
			<i>For &gt;50 To 100, Deduct</i>	-0.43	
			<i>For &gt;100, Deduct</i>	-0.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0128 EA 5/16" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor .....	5.35	
<i>For &gt;10 To 50, Deduct</i>	-0.21	
<i>For &gt;50 To 100, Deduct</i>	-0.45	
<i>For &gt;100, Deduct</i>	-0.90	
05 05 19 00-0129 EA 5/16" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor .....	6.19	
<i>For &gt;10 To 50, Deduct</i>	-0.21	
<i>For &gt;50 To 100, Deduct</i>	-0.47	
<i>For &gt;100, Deduct</i>	-0.94	
05 05 19 00-0130 EA 3/8" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor .....	6.17	
<i>For &gt;10 To 50, Deduct</i>	-0.24	
<i>For &gt;50 To 100, Deduct</i>	-0.51	
<i>For &gt;100, Deduct</i>	-1.02	
05 05 19 00-0131 EA 3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor .....	6.79	
<i>For &gt;10 To 50, Deduct</i>	-0.24	
<i>For &gt;50 To 100, Deduct</i>	-0.53	
<i>For &gt;100, Deduct</i>	-1.05	
05 05 19 00-0132 EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor .....	7.27	
<i>For &gt;10 To 50, Deduct</i>	-0.24	
<i>For &gt;50 To 100, Deduct</i>	-0.54	
<i>For &gt;100, Deduct</i>	-1.08	
05 05 19 00-0133 EA 1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor .....	9.22	
<i>For &gt;10 To 50, Deduct</i>	-0.34	
<i>For &gt;50 To 100, Deduct</i>	-0.74	
<i>For &gt;100, Deduct</i>	-1.47	
05 05 19 00-0134 EA 1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor .....	9.59	
<i>For &gt;10 To 50, Deduct</i>	-0.34	
<i>For &gt;50 To 100, Deduct</i>	-0.75	
<i>For &gt;100, Deduct</i>	-1.49	
05 05 19 00-0135 EA 1/2" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor .....	10.69	
<i>For &gt;10 To 50, Deduct</i>	-0.34	
<i>For &gt;50 To 100, Deduct</i>	-0.77	
<i>For &gt;100, Deduct</i>	-1.55	
05 05 19 00-0136 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor .....	12.10	
<i>For &gt;10 To 50, Deduct</i>	-0.34	
<i>For &gt;50 To 100, Deduct</i>	-0.81	
<i>For &gt;100, Deduct</i>	-1.62	
05 05 19 00-0137 EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor .....	13.06	
<i>For &gt;10 To 50, Deduct</i>	-0.42	
<i>For &gt;50 To 100, Deduct</i>	-0.95	
<i>For &gt;100, Deduct</i>	-1.90	
05 05 19 00-0138 EA 5/8" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor .....	14.37	
<i>For &gt;10 To 50, Deduct</i>	-0.42	
<i>For &gt;50 To 100, Deduct</i>	-0.98	
<i>For &gt;100, Deduct</i>	-1.97	
05 05 19 00-0139 EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor .....	15.52	
<i>For &gt;10 To 50, Deduct</i>	-0.42	
<i>For &gt;50 To 100, Deduct</i>	-1.01	
<i>For &gt;100, Deduct</i>	-2.03	
05 05 19 00-0140 EA 3/4" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor .....	17.77	
<i>For &gt;10 To 50, Deduct</i>	-0.50	
<i>For &gt;50 To 100, Deduct</i>	-1.19	
<i>For &gt;100, Deduct</i>	-2.38	
05 05 19 00-0141 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor .....	19.00	
<i>For &gt;10 To 50, Deduct</i>	-0.50	
<i>For &gt;50 To 100, Deduct</i>	-1.22	
<i>For &gt;100, Deduct</i>	-2.44	
 05 05 19 00-0142 Multi-Set Drop-In Anchors <small>(05 05 19 00-0002)</small>		
05 05 19 00-0143 Zinc Plated Steel, Multi-Set Drop-In Anchors <small>(05 05 19 00-0142)</small>		
Note: Excludes bolt, nut and washer.		
05 05 19 00-0144 EA 1/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor .....	6.08	
<i>For &gt;10 To 50, Deduct</i>	-0.28	
<i>For &gt;50 To 100, Deduct</i>	-0.57	
<i>For &gt;100, Deduct</i>	-1.14	
05 05 19 00-0145 EA 3/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor .....	7.45	
<i>For &gt;10 To 50, Deduct</i>	-0.34	
<i>For &gt;50 To 100, Deduct</i>	-0.69	
<i>For &gt;100, Deduct</i>	-1.39	
05 05 19 00-0146 EA 1/2" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor .....	9.45	
<i>For &gt;10 To 50, Deduct</i>	-0.40	
<i>For &gt;50 To 100, Deduct</i>	-0.84	
<i>For &gt;100, Deduct</i>	-1.67	
05 05 19 00-0147 EA 5/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor .....	11.07	
<i>For &gt;10 To 50, Deduct</i>	-0.44	
<i>For &gt;50 To 100, Deduct</i>	-0.93	
<i>For &gt;100, Deduct</i>	-1.87	
05 05 19 00-0148 EA 3/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor .....	13.92	
<i>For &gt;10 To 50, Deduct</i>	-0.50	
<i>For &gt;50 To 100, Deduct</i>	-1.10	
<i>For &gt;100, Deduct</i>	-2.19	
 05 05 19 00-0149 304/18-8 Stainless Steel, Multi-Set Drop-In Anchors <small>(05 05 19 00-0142)</small>		
Note: Excludes bolt, nut and washer.		

**05 Metals****05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0150	EA		1/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	8.52	
			<i>For &gt;10 To 50, Deduct</i>	-0.28	
			<i>For &gt;50 To 100, Deduct</i>	-0.63	
			<i>For &gt;100, Deduct</i>	-1.26	
05 05 19 00-0151	EA		3/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	12.06	
			<i>For &gt;10 To 50, Deduct</i>	-0.34	
			<i>For &gt;50 To 100, Deduct</i>	-0.81	
			<i>For &gt;100, Deduct</i>	-1.62	
05 05 19 00-0152	EA		1/2" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	15.51	
			<i>For &gt;10 To 50, Deduct</i>	-0.40	
			<i>For &gt;50 To 100, Deduct</i>	-0.99	
			<i>For &gt;100, Deduct</i>	-1.97	
05 05 19 00-0153	EA		5/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	20.83	
			<i>For &gt;10 To 50, Deduct</i>	-0.44	
			<i>For &gt;50 To 100, Deduct</i>	-1.18	
			<i>For &gt;100, Deduct</i>	-2.36	
05 05 19 00-0154	EA		3/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	30.69	
			<i>For &gt;10 To 50, Deduct</i>	-0.50	
			<i>For &gt;50 To 100, Deduct</i>	-1.52	
			<i>For &gt;100, Deduct</i>	-3.03	
<b>05 05 19 00-0155</b>			<b>Single Bolt Expansion Anchors</b> (05 05 19 00-0002)		
			Note: Excludes bolt, nut and washer.		
05 05 19 00-0156	EA		1/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	4.56	
			<i>For &gt;10 To 50, Deduct</i>	-0.20	
			<i>For &gt;50 To 100, Deduct</i>	-0.41	
			<i>For &gt;100, Deduct</i>	-0.83	
05 05 19 00-0157	EA		5/16" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	4.96	
			<i>For &gt;10 To 50, Deduct</i>	-0.21	
			<i>For &gt;50 To 100, Deduct</i>	-0.44	
			<i>For &gt;100, Deduct</i>	-0.88	
05 05 19 00-0158	EA		3/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	5.61	
			<i>For &gt;10 To 50, Deduct</i>	-0.24	
			<i>For &gt;50 To 100, Deduct</i>	-0.50	
			<i>For &gt;100, Deduct</i>	-0.99	
05 05 19 00-0159	EA		1/2" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	8.41	
			<i>For &gt;10 To 50, Deduct</i>	-0.34	
			<i>For &gt;50 To 100, Deduct</i>	-0.72	
			<i>For &gt;100, Deduct</i>	-1.43	
05 05 19 00-0160	EA		5/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	12.90	
			<i>For &gt;10 To 50, Deduct</i>	-0.42	
			<i>For &gt;50 To 100, Deduct</i>	-0.95	
			<i>For &gt;100, Deduct</i>	-1.89	
05 05 19 00-0161	EA		3/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	15.73	
			<i>For &gt;10 To 50, Deduct</i>	-0.50	
			<i>For &gt;50 To 100, Deduct</i>	-1.14	
			<i>For &gt;100, Deduct</i>	-2.27	
<b>05 05 19 00-0162</b>			<b>Concrete Lag Shield Anchors</b> (05 05 19 00-0002)		
			Note: Excludes lag bolt and washer.		
05 05 19 00-0163	EA		1/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	4.67	
			<i>For &gt;10 To 50, Deduct</i>	-0.20	
			<i>For &gt;50 To 100, Deduct</i>	-0.42	
			<i>For &gt;100, Deduct</i>	-0.83	
05 05 19 00-0164	EA		5/16" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	5.56	
			<i>For &gt;10 To 50, Deduct</i>	-0.24	
			<i>For &gt;50 To 100, Deduct</i>	-0.50	
			<i>For &gt;100, Deduct</i>	-0.99	
05 05 19 00-0165	EA		3/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	6.11	
			<i>For &gt;10 To 50, Deduct</i>	-0.24	
			<i>For &gt;50 To 100, Deduct</i>	-0.51	
			<i>For &gt;100, Deduct</i>	-1.02	
05 05 19 00-0166	EA		1/2" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	8.52	
			<i>For &gt;10 To 50, Deduct</i>	-0.34	
			<i>For &gt;50 To 100, Deduct</i>	-0.72	
			<i>For &gt;100, Deduct</i>	-1.44	
05 05 19 00-0167	EA		5/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	12.12	
			<i>For &gt;10 To 50, Deduct</i>	-0.42	
			<i>For &gt;50 To 100, Deduct</i>	-0.93	
			<i>For &gt;100, Deduct</i>	-1.86	
05 05 19 00-0168	EA		3/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	12.90	
			<i>For &gt;10 To 50, Deduct</i>	-0.50	
			<i>For &gt;50 To 100, Deduct</i>	-1.07	
			<i>For &gt;100, Deduct</i>	-2.13	
<b>05 05 19 00-0169</b>			<b>Chemical And Adhesive Anchors</b> (05 05 19 00-0001)		
<b>05 05 19 00-0170</b>			<b>Chemically Adhered Anchor Rods</b> (05 05 19 00-0169)		
			Note: Includes drilling hole, injected adhesive or pre-placed adhesive cartridge, nut and washer. Zinc coated carbon steel.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0171 EA 1/4" x 1-9/16" Long Chemically Adhered Anchor Rod .....	6.70	
<i>For &gt;10 To 50, Deduct</i>	-0.22	
<i>For &gt;50 To 100, Deduct</i>	-0.50	
<i>For &gt;100, Deduct</i>	-0.99	
05 05 19 00-0172 EA 5/16" x 2-3/8" Long Chemically Adhered Anchor Rod .....	8.16	
<i>For &gt;10 To 50, Deduct</i>	-0.24	
<i>For &gt;50 To 100, Deduct</i>	-0.56	
<i>For &gt;100, Deduct</i>	-1.13	
05 05 19 00-0173 EA 3/8" x 2-3/4" Long Chemically Adhered Anchor Rod .....	10.07	
<i>For &gt;10 To 50, Deduct</i>	-0.30	
<i>For &gt;50 To 100, Deduct</i>	-0.70	
<i>For &gt;100, Deduct</i>	-1.40	
05 05 19 00-0174 EA 1/2" x 3-11/16" Long Chemically Adhered Anchor Rod .....	12.14	
<i>For &gt;10 To 50, Deduct</i>	-0.34	
<i>For &gt;50 To 100, Deduct</i>	-0.81	
<i>For &gt;100, Deduct</i>	-1.62	
05 05 19 00-0175 EA 1/2" x 5-1/2" Long Chemically Adhered Anchor Rod .....	13.37	
<i>For &gt;10 To 50, Deduct</i>	-0.34	
<i>For &gt;50 To 100, Deduct</i>	-0.84	
<i>For &gt;100, Deduct</i>	-1.68	
05 05 19 00-0176 EA 5/8" x 7" Long Chemically Adhered Anchor Rod.....	16.57	
<i>For &gt;10 To 50, Deduct</i>	-0.42	
<i>For &gt;50 To 100, Deduct</i>	-1.04	
<i>For &gt;100, Deduct</i>	-2.08	
05 05 19 00-0177 EA 3/4" x 9-1/2" Long Chemically Adhered Anchor Rod .....	22.67	
<i>For &gt;10 To 50, Deduct</i>	-0.50	
<i>For &gt;50 To 100, Deduct</i>	-1.31	
<i>For &gt;100, Deduct</i>	-2.62	
05 05 19 00-0178 EA 7/8" x 10" Long Chemically Adhered Anchor Rod.....	28.18	
<i>For &gt;10 To 50, Deduct</i>	-0.54	
<i>For &gt;50 To 100, Deduct</i>	-1.51	
<i>For &gt;100, Deduct</i>	-3.02	
05 05 19 00-0179 EA 1" x 11-3/4" Long Chemically Adhered Anchor Rod .....	39.45	
<i>For &gt;10 To 50, Deduct</i>	-0.70	
<i>For &gt;50 To 100, Deduct</i>	-2.03	
<i>For &gt;100, Deduct</i>	-4.06	
05 05 19 00-0180 EA 1-1/4" x 14" Long Chemically Adhered Anchor Rod .....	59.72	
<i>For &gt;10 To 50, Deduct</i>	-0.88	
<i>For &gt;50 To 100, Deduct</i>	-2.81	
<i>For &gt;100, Deduct</i>	-5.62	
<b>05 05 19 00-0181 Chemical Adhesives For Bolts, Dowels Or Threaded Rod</b> <small>(05 05 19 00-0169)</small>		
<small>Note: Injected or drop in cartridge. Sizes listed are for the diameter of the bolt, dowel or rod to be anchored. Includes drilling. Excludes bolt, dowel or rod.</small>		
05 05 19 00-0182 EA 1/4" Chemical Adhesive For Bolt Or Threaded Rod .....	4.68	
<i>For &gt;10 To 50, Deduct</i>	-0.22	
<i>For &gt;50 To 100, Deduct</i>	-0.45	
<i>For &gt;100, Deduct</i>	-0.89	
05 05 19 00-0183 EA 5/16" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	5.15	
<i>For &gt;10 To 50, Deduct</i>	-0.24	
<i>For &gt;50 To 100, Deduct</i>	-0.49	
<i>For &gt;100, Deduct</i>	-0.98	
05 05 19 00-0184 EA 3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	6.46	
<i>For &gt;10 To 50, Deduct</i>	-0.30	
<i>For &gt;50 To 100, Deduct</i>	-0.61	
<i>For &gt;100, Deduct</i>	-1.22	
05 05 19 00-0185 EA 1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	7.41	
<i>For &gt;10 To 50, Deduct</i>	-0.34	
<i>For &gt;50 To 100, Deduct</i>	-0.69	
<i>For &gt;100, Deduct</i>	-1.38	
05 05 19 00-0186 EA 5/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	9.97	
<i>For &gt;10 To 50, Deduct</i>	-0.42	
<i>For &gt;50 To 100, Deduct</i>	-0.87	
<i>For &gt;100, Deduct</i>	-1.75	
05 05 19 00-0187 EA 3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	12.77	
<i>For &gt;10 To 50, Deduct</i>	-0.50	
<i>For &gt;50 To 100, Deduct</i>	-1.06	
<i>For &gt;100, Deduct</i>	-2.13	
05 05 19 00-0188 EA 7/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	14.56	
<i>For &gt;10 To 50, Deduct</i>	-0.54	
<i>For &gt;50 To 100, Deduct</i>	-1.17	
<i>For &gt;100, Deduct</i>	-2.34	
05 05 19 00-0189 EA 1" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	19.66	
<i>For &gt;10 To 50, Deduct</i>	-0.70	
<i>For &gt;50 To 100, Deduct</i>	-1.54	
<i>For &gt;100, Deduct</i>	-3.07	
05 05 19 00-0190 EA 1-1/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod .....	22.79	
<i>For &gt;10 To 50, Deduct</i>	-0.79	
<i>For &gt;50 To 100, Deduct</i>	-1.75	
<i>For &gt;100, Deduct</i>	-3.50	
05 05 19 00-0191 EA 1-1/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod .....	26.72	
<i>For &gt;10 To 50, Deduct</i>	-0.88	
<i>For &gt;50 To 100, Deduct</i>	-1.99	
<i>For &gt;100, Deduct</i>	-3.97	

**05 Metals****05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 19 00-0192	EA 1-3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	29.81	
	<i>For &gt;10 To 50, Deduct</i>	-0.92	
	<i>For &gt;50 To 100, Deduct</i>	-2.12	
	<i>For &gt;100, Deduct</i>	-4.24	
05 05 19 00-0193	EA 1-1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	34.43	
	<i>For &gt;10 To 50, Deduct</i>	-0.96	
	<i>For &gt;50 To 100, Deduct</i>	-2.30	
	<i>For &gt;100, Deduct</i>	-4.60	
05 05 19 00-0194	EA 1-3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	43.66	
	<i>For &gt;10 To 50, Deduct</i>	-1.04	
	<i>For &gt;50 To 100, Deduct</i>	-2.65	
	<i>For &gt;100, Deduct</i>	-5.30	
05 05 19 00-0195	EA 2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	67.36	
	<i>For &gt;10 To 50, Deduct</i>	-1.08	
	<i>For &gt;50 To 100, Deduct</i>	-3.30	
	<i>For &gt;100, Deduct</i>	-6.60	
<b>05 05 19 00-0196</b>	<b>Grout Concrete Anchor Bolt Or Threaded Rod</b> (05 05 19 00-0169)		
05 05 19 00-0197	EA Grout Concrete Anchor Bolt or Threaded Rod.....	2.51	
	<i>For &gt;10 To 50, Deduct</i>	-0.12	
	<i>For &gt;50 To 100, Deduct</i>	-0.24	
	<i>For &gt;100, Deduct</i>	-0.48	
<b>05 05 19 00-0198</b>	<b>Other Concrete And Masonry Anchors</b> (05 05 19 00-0001)		
<b>05 05 19 00-0199</b>	<b>Tapcon Masonry Screws</b> (05 05 19 00-0198) Note: Includes drilling. Countersunk or hex head.		
05 05 19 00-0200	EA 3/16" x 1-1/4" Tapcon Masonry Screw.....	4.22	
	<i>For &gt;10 To 50, Deduct</i>	-0.20	
	<i>For &gt;50 To 100, Deduct</i>	-0.40	
	<i>For &gt;100, Deduct</i>	-0.81	
05 05 19 00-0201	EA 3/16" x 2-1/4" Tapcon Masonry Screw.....	4.28	
	<i>For &gt;10 To 50, Deduct</i>	-0.20	
	<i>For &gt;50 To 100, Deduct</i>	-0.41	
	<i>For &gt;100, Deduct</i>	-0.81	
05 05 19 00-0202	EA 3/16" x 3-1/4" Tapcon Masonry Screw.....	4.41	
	<i>For &gt;10 To 50, Deduct</i>	-0.20	
	<i>For &gt;50 To 100, Deduct</i>	-0.41	
	<i>For &gt;100, Deduct</i>	-0.82	
05 05 19 00-0203	EA 1/4" x 1-1/4" Tapcon Masonry Screw.....	4.29	
	<i>For &gt;10 To 50, Deduct</i>	-0.20	
	<i>For &gt;50 To 100, Deduct</i>	-0.41	
	<i>For &gt;100, Deduct</i>	-0.81	
05 05 19 00-0204	EA 1/4" x 2-1/4" Tapcon Masonry Screw.....	4.36	
	<i>For &gt;10 To 50, Deduct</i>	-0.20	
	<i>For &gt;50 To 100, Deduct</i>	-0.41	
	<i>For &gt;100, Deduct</i>	-0.82	
05 05 19 00-0205	EA 1/4" x 3-1/4" Tapcon Masonry Screw.....	4.52	
	<i>For &gt;10 To 50, Deduct</i>	-0.20	
	<i>For &gt;50 To 100, Deduct</i>	-0.41	
	<i>For &gt;100, Deduct</i>	-0.82	
<b>05 05 19 00-0206</b>	<b>Large Diameter, Self-Threading Concrete Fasteners</b> (05 05 19 00-0198) Note: Includes drilling. Zinc plated.		
05 05 19 00-0207	EA 3/8" x 1-3/4", Large Diameter, Self-Threading Concrete Fastener.....	4.74	
	<i>For &gt;10 To 50, Deduct</i>	-0.20	
	<i>For &gt;50 To 100, Deduct</i>	-0.42	
	<i>For &gt;100, Deduct</i>	-0.84	
05 05 19 00-0208	EA 3/8" x 2-1/2", Large Diameter, Self-Threading Concrete Fastener.....	5.01	
	<i>For &gt;10 To 50, Deduct</i>	-0.20	
	<i>For &gt;50 To 100, Deduct</i>	-0.42	
	<i>For &gt;100, Deduct</i>	-0.85	
05 05 19 00-0209	EA 3/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	5.09	
	<i>For &gt;10 To 50, Deduct</i>	-0.20	
	<i>For &gt;50 To 100, Deduct</i>	-0.43	
	<i>For &gt;100, Deduct</i>	-0.85	
05 05 19 00-0210	EA 3/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	5.22	
	<i>For &gt;10 To 50, Deduct</i>	-0.20	
	<i>For &gt;50 To 100, Deduct</i>	-0.43	
	<i>For &gt;100, Deduct</i>	-0.86	
05 05 19 00-0211	EA 3/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	5.33	
	<i>For &gt;10 To 50, Deduct</i>	-0.20	
	<i>For &gt;50 To 100, Deduct</i>	-0.43	
	<i>For &gt;100, Deduct</i>	-0.87	
05 05 19 00-0212	EA 1/2" x 3", Large Diameter, Self-Threading Concrete Fastener.....	5.56	
	<i>For &gt;10 To 50, Deduct</i>	-0.20	
	<i>For &gt;50 To 100, Deduct</i>	-0.44	
	<i>For &gt;100, Deduct</i>	-0.88	
05 05 19 00-0213	EA 1/2" x 4", Large Diameter, Self-Threading Concrete Fastener.....	5.85	
	<i>For &gt;10 To 50, Deduct</i>	-0.20	
	<i>For &gt;50 To 100, Deduct</i>	-0.45	
	<i>For &gt;100, Deduct</i>	-0.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0214 EA 1/2" x 5", Large Diameter, Self-Threading Concrete Fastener.....	6.12	
For >10 To 50, Deduct	-0.20	
For >50 To 100, Deduct	-0.45	
For >100, Deduct	-0.90	
05 05 19 00-0215 EA 1/2" x 6", Large Diameter, Self-Threading Concrete Fastener.....	6.87	
For >10 To 50, Deduct	-0.20	
For >50 To 100, Deduct	-0.47	
For >100, Deduct	-0.94	
05 05 19 00-0216 EA 5/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	6.96	
For >10 To 50, Deduct	-0.20	
For >50 To 100, Deduct	-0.47	
For >100, Deduct	-0.95	
05 05 19 00-0217 EA 5/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	7.42	
For >10 To 50, Deduct	-0.20	
For >50 To 100, Deduct	-0.48	
For >100, Deduct	-0.97	
05 05 19 00-0218 EA 5/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	7.89	
For >10 To 50, Deduct	-0.20	
For >50 To 100, Deduct	-0.50	
For >100, Deduct	-0.99	
05 05 19 00-0219 EA 5/8" x 6", Large Diameter, Self-Threading Concrete Fastener.....	8.19	
For >10 To 50, Deduct	-0.20	
For >50 To 100, Deduct	-0.50	
For >100, Deduct	-1.01	
05 05 19 00-0220 EA 3/4" x 4-1/2", Large Diameter, Self-Threading Concrete Fastener.....	8.05	
For >10 To 50, Deduct	-0.20	
For >50 To 100, Deduct	-0.50	
For >100, Deduct	-1.00	
05 05 19 00-0221 EA 3/4" x 5-1/2", Large Diameter, Self-Threading Concrete Fastener.....	8.49	
For >10 To 50, Deduct	-0.20	
For >50 To 100, Deduct	-0.51	
For >100, Deduct	-1.02	
05 05 19 00-0222 EA 3/4" x 6-1/4", Large Diameter, Self-Threading Concrete Fastener.....	9.51	
For >10 To 50, Deduct	-0.20	
For >50 To 100, Deduct	-0.54	
For >100, Deduct	-1.07	
<b>05 05 19 00-0223 Pin Bolt Drives</b> <small>(05 05 19 00-0198)</small>		
Note: Includes drilling. Zinc plated.		
05 05 19 00-0224 EA 1/4" x 1" Pin Bolt Drive.....	2.75	
For >10 To 50, Deduct	-0.12	
For >50 To 100, Deduct	-0.25	
For >100, Deduct	-0.50	
05 05 19 00-0225 EA 1/4" x 1-1/4" Pin Bolt Drive.....	2.75	
For >10 To 50, Deduct	-0.12	
For >50 To 100, Deduct	-0.25	
For >100, Deduct	-0.50	
05 05 19 00-0226 EA 1/4" x 1-1/2" Pin Bolt Drive.....	2.80	
For >10 To 50, Deduct	-0.12	
For >50 To 100, Deduct	-0.25	
For >100, Deduct	-0.50	
05 05 19 00-0227 EA 1/4" x 2" Pin Bolt Drive.....	2.81	
For >10 To 50, Deduct	-0.12	
For >50 To 100, Deduct	-0.25	
For >100, Deduct	-0.50	
<b>05 05 19 00-0228 Powder Actuated, Shot-In Place Anchors</b> <small>(05 05 19 00-0198)</small>		
05 05 19 00-0229 EA 0.15" Diameter x 1/2" Length, Stud Powder Actuated Anchor.....	0.76	
For >10 To 50, Deduct	-0.03	
For >50 To 100, Deduct	-0.06	
For >100, Deduct	-0.12	
05 05 19 00-0230 EA 0.15" Diameter x 3/4" Length, Stud Powder Actuated Anchor.....	0.81	
For >10 To 50, Deduct	-0.03	
For >50 To 100, Deduct	-0.06	
For >100, Deduct	-0.12	
05 05 19 00-0231 EA 0.15"/0.18" Diameter x 1" Length, Stud Powder Actuated Anchor.....	0.89	
For >10 To 50, Deduct	-0.03	
For >50 To 100, Deduct	-0.07	
For >100, Deduct	-0.13	
05 05 19 00-0232 EA 0.15"/0.18" Diameter x 1-1/4" Length, Stud Powder Actuated Anchor.....	1.01	
For >10 To 50, Deduct	-0.03	
For >50 To 100, Deduct	-0.07	
For >100, Deduct	-0.15	
05 05 19 00-0233 EA 0.15"/0.18" Diameter x 1-7/8" Length, Stud Powder Actuated Anchor.....	1.11	
For >10 To 50, Deduct	-0.03	
For >50 To 100, Deduct	-0.08	
For >100, Deduct	-0.15	
<b>05 05 19 00-0234 Powder Actuated, Shot-In Place Anchors With Exposed Thread</b> <small>(05 05 19 00-0198)</small>		



**05 Metals****05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0235	EA		0.145" Diameter x 1" Long Shank, 3/4" Thread Length, 1/4" - 20 Treaded Stud Powder Actuated Anchor .....	0.99	
			<i>For &gt;10 To 50, Deduct</i>	-0.03	
			<i>For &gt;50 To 100, Deduct</i>	-0.07	
			<i>For &gt;100, Deduct</i>	-0.13	
05 05 19 00-0236	EA		0.205" Diameter x 1-1/16" Long Shank, 1" Thread Length, 3/8" - 16 Treaded Stud Powder Actuated Anchor .....	1.44	
			<i>For &gt;10 To 50, Deduct</i>	-0.03	
			<i>For &gt;50 To 100, Deduct</i>	-0.09	
			<i>For &gt;100, Deduct</i>	-0.17	

**05 05 23 Metal Fastenings** (05 05)**05 05 23 00-0001 Welded Stud Anchors** (05 05 23)

05 05 23 00-0002	EA		1/4" Diameter x 1-1/8" Long, Welded Stud Concrete Anchors .....	2.58	
05 05 23 00-0003	EA		1/4" Diameter x 2-11/16" Long, Welded Stud Concrete Anchors .....	2.64	
05 05 23 00-0004	EA		1/4" Diameter x 3-1/8" Long, Welded Stud Concrete Anchors .....	2.67	
05 05 23 00-0005	EA		1/4" Diameter x 4-1/8" Long, Welded Stud Concrete Anchors .....	2.69	
05 05 23 00-0006	EA		3/8" Diameter x 1-3/8" Long, Welded Stud Concrete Anchors .....	2.51	
05 05 23 00-0007	EA		3/8" Diameter x 1-5/8" Long, Welded Stud Concrete Anchors .....	2.66	
05 05 23 00-0008	EA		3/8" Diameter x 2-1/8" Long, Welded Stud Concrete Anchors .....	2.81	
05 05 23 00-0009	EA		3/8" Diameter x 2-5/8" Long, Welded Stud Concrete Anchors .....	2.89	
05 05 23 00-0010	EA		3/8" Diameter x 3-1/8" Long, Welded Stud Concrete Anchors .....	2.96	
05 05 23 00-0011	EA		3/8" Diameter x 4-1/8" Long, Welded Stud Concrete Anchors .....	3.27	
05 05 23 00-0012	EA		3/8" Diameter x 5-1/8" Long, Welded Stud Concrete Anchors .....	3.52	
05 05 23 00-0013	EA		3/8" Diameter x 6-1/8" Long, Welded Stud Concrete Anchors .....	3.72	
05 05 23 00-0014	EA		1/2" Diameter x 1-1/2" Long, Welded Stud Concrete Anchors .....	3.11	
05 05 23 00-0015	EA		1/2" Diameter x 1-5/8" Long, Welded Stud Concrete Anchors .....	3.13	
05 05 23 00-0016	EA		1/2" Diameter x 2-1/8" Long, Welded Stud Concrete Anchors .....	3.36	
05 05 23 00-0017	EA		1/2" Diameter x 2-5/8" Long, Welded Stud Concrete Anchors .....	3.58	
05 05 23 00-0018	EA		1/2" Diameter x 3-1/8" Long, Welded Stud Concrete Anchors .....	3.85	
05 05 23 00-0019	EA		1/2" Diameter x 4-1/8" Long, Welded Stud Concrete Anchors .....	4.27	
05 05 23 00-0020	EA		1/2" Diameter x 5-5/16" Long, Welded Stud Concrete Anchors .....	4.53	
05 05 23 00-0021	EA		1/2" Diameter x 6-1/8" Long, Welded Stud Concrete Anchors .....	5.27	
05 05 23 00-0022	EA		1/2" Diameter x 8-1/8" Long, Welded Stud Concrete Anchors .....	6.66	
05 05 23 00-0023	EA		5/8" Diameter x 2-11/16" Long, Welded Stud Concrete Anchors .....	4.51	
05 05 23 00-0024	EA		5/8" Diameter x 3-3/16" Long, Welded Stud Concrete Anchors .....	4.86	
05 05 23 00-0025	EA		5/8" Diameter x 3-11/16" Long, Welded Stud Concrete Anchors .....	5.14	
05 05 23 00-0026	EA		5/8" Diameter x 4-3/16" Long, Welded Stud Concrete Anchors .....	5.43	
05 05 23 00-0027	EA		5/8" Diameter x 4-11/16" Long, Welded Stud Concrete Anchors .....	5.66	
05 05 23 00-0028	EA		5/8" Diameter x 5-3/16" Long, Welded Stud Concrete Anchors .....	5.88	
05 05 23 00-0029	EA		5/8" Diameter x 6-3/16" Long, Welded Stud Concrete Anchors .....	6.17	
05 05 23 00-0030	EA		5/8" Diameter x 6-9/16" Long, Welded Stud Concrete Anchors .....	7.35	
05 05 23 00-0031	EA		5/8" Diameter x 8-3/16" Long, Welded Stud Concrete Anchors .....	8.99	

**05 05 23 00-0032 Welded Shear Stud Connector** (05 05 23)**05 05 23 00-0033 3/4" Diameter Welded Shear Stud Connector** (05 05 23 00-0032)

05 05 23 00-0034	EA		3/4" Diameter x 3-3/16" Long, Welded Shear Stud Connector .....	5.83	
05 05 23 00-0035	EA		3/4" Diameter x 3-3/8" Long, Welded Shear Stud Connector .....	6.08	
05 05 23 00-0036	EA		3/4" Diameter x 3-7/8" Long, Welded Shear Stud Connector .....	6.15	
05 05 23 00-0037	EA		3/4" Diameter x 4-3/16" Long, Welded Shear Stud Connector .....	6.18	
05 05 23 00-0038	EA		3/4" Diameter x 4-3/8" Long, Welded Shear Stud Connector .....	6.47	
05 05 23 00-0039	EA		3/4" Diameter x 4-11/16" Long, Welded Shear Stud Connector .....	6.98	
05 05 23 00-0040	EA		3/4" Diameter x 4-7/8" Long, Welded Shear Stud Connector .....	12.02	
05 05 23 00-0041	EA		3/4" Diameter x 5-3/16" Long, Welded Shear Stud Connector .....	7.59	
05 05 23 00-0042	EA		3/4" Diameter x 5-3/8" Long, Welded Shear Stud Connector .....	8.51	
05 05 23 00-0043	EA		3/4" Diameter x 6-3/16" Long, Welded Shear Stud Connector .....	10.93	
05 05 23 00-0044	EA		3/4" Diameter x 7-3/16" Long, Welded Shear Stud Connector .....	11.21	
05 05 23 00-0045	EA		3/4" Diameter x 8-3/16" Long, Welded Shear Stud Connector .....	12.22	
05 05 23 00-0046	EA		3/4" Diameter x 10-3/16" Long, Welded Shear Stud Connector .....	16.44	

**05 05 23 00-0047 7/8" Diameter Welded Shear Stud Connector** (05 05 23 00-0032)

05 05 23 00-0048	EA		7/8" Diameter x 3-3/16" Long, Welded Shear Stud Connector .....	7.09	
05 05 23 00-0049	EA		7/8" Diameter x 3-11/16" Long, Welded Shear Stud Connector .....	7.49	
05 05 23 00-0050	EA		7/8" Diameter x 4-3/16" Long, Welded Shear Stud Connector .....	7.89	
05 05 23 00-0051	EA		7/8" Diameter x 5-3/16" Long, Welded Shear Stud Connector .....	9.04	
05 05 23 00-0052	EA		7/8" Diameter x 6-3/16" Long, Welded Shear Stud Connector .....	11.55	
05 05 23 00-0053	EA		7/8" Diameter x 7-3/16" Long, Welded Shear Stud Connector .....	12.77	
05 05 23 00-0054	EA		7/8" Diameter x 8-3/16" Long, Welded Shear Stud Connector .....	13.97	
05 05 23 00-0055	EA		7/8" Diameter x 10-3/16" Long, Welded Shear Stud Connector .....	17.36	

**05 05 23 00-0056 1" Diameter Welded Shear Stud Connector** (05 05 23 00-0032)

05 05 23 00-0057	EA		1" Diameter x 3-1/4" Long, Welded Shear Stud Connector .....	9.71	
05 05 23 00-0058	EA		1" Diameter x 4-1/4" Long, Welded Shear Stud Connector .....	10.95	
05 05 23 00-0059	EA		1" Diameter x 5-1/4" Long, Welded Shear Stud Connector .....	12.78	
05 05 23 00-0060	EA		1" Diameter x 6-1/4" Long, Welded Shear Stud Connector .....	16.12	
05 05 23 00-0061	EA		1" Diameter x 7-1/4" Long, Welded Shear Stud Connector .....	18.03	
05 05 23 00-0062	EA		1" Diameter x 8-1/4" Long, Welded Shear Stud Connector .....	19.93	



	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0063		<b>Hex Bolts</b> <small>(05 05 23)</small>		
		<small>Note: For owner furnished materials or where requested by the owner. Excludes drilling through steel, concrete, brick or block. See CSI section 02 41 19 13-0278 for drilling into concrete, 02 41 19 13-0288 for drilling into brick or block, 02 41 19 13-0298 for drilling into wood or plastic, 05 05 23 00-1629 for drilling through steel.</small>		
05 05 23 00-0064		<b>A307B Heavy Hex Bolts</b> <small>(05 05 23 00-0063)</small>		
		<small>Note: Includes A307B heavy hex nut and two structural washers.</small>		
05 05 23 00-0065		<b>Plain Finish A307B Heavy Hex Bolts</b> <small>(05 05 23 00-0064)</small>		
05 05 23 00-0066	EA	1/2" Diameter x 1-1/2" Long, Plain Finish A307B Heavy Hex Bolt	8.68	0.82
		<i>For &gt;10 To 50, Deduct</i>	-0.34	
		<i>For &gt;50 To 100, Deduct</i>	-0.73	
		<i>For &gt;100, Deduct</i>	-1.45	
05 05 23 00-0067	EA	1/2" Diameter x 3" Long, Plain Finish A307B Heavy Hex Bolt	9.78	0.82
		<i>For &gt;10 To 50, Deduct</i>	-0.34	
		<i>For &gt;50 To 100, Deduct</i>	-0.75	
		<i>For &gt;100, Deduct</i>	-1.51	
05 05 23 00-0068	EA	5/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	9.81	0.82
		<i>For &gt;10 To 50, Deduct</i>	-0.34	
		<i>For &gt;50 To 100, Deduct</i>	-0.75	
		<i>For &gt;100, Deduct</i>	-1.51	
05 05 23 00-0069	EA	5/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	11.79	0.93
		<i>For &gt;10 To 50, Deduct</i>	-0.39	
		<i>For &gt;50 To 100, Deduct</i>	-0.88	
		<i>For &gt;100, Deduct</i>	-1.75	
05 05 23 00-0070	EA	3/4" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	11.65	0.82
		<i>For &gt;10 To 50, Deduct</i>	-0.34	
		<i>For &gt;50 To 100, Deduct</i>	-0.80	
		<i>For &gt;100, Deduct</i>	-1.60	
05 05 23 00-0071	EA	3/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	14.07	0.93
		<i>For &gt;10 To 50, Deduct</i>	-0.39	
		<i>For &gt;50 To 100, Deduct</i>	-0.93	
		<i>For &gt;100, Deduct</i>	-1.86	
05 05 23 00-0072	EA	3/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	18.30	0.97
		<i>For &gt;10 To 50, Deduct</i>	-0.41	
		<i>For &gt;50 To 100, Deduct</i>	-1.07	
		<i>For &gt;100, Deduct</i>	-2.13	
05 05 23 00-0073	EA	3/4" Diameter x 8" Long, Plain Finish A307B Heavy Hex Bolt	19.69	1.02
		<i>For &gt;10 To 50, Deduct</i>	-0.43	
		<i>For &gt;50 To 100, Deduct</i>	-1.13	
		<i>For &gt;100, Deduct</i>	-2.26	
05 05 23 00-0074	EA	7/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	14.18	0.88
		<i>For &gt;10 To 50, Deduct</i>	-0.37	
		<i>For &gt;50 To 100, Deduct</i>	-0.91	
		<i>For &gt;100, Deduct</i>	-1.81	
05 05 23 00-0075	EA	7/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	17.33	0.97
		<i>For &gt;10 To 50, Deduct</i>	-0.40	
		<i>For &gt;50 To 100, Deduct</i>	-1.04	
		<i>For &gt;100, Deduct</i>	-2.08	
05 05 23 00-0076	EA	1" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	20.68	1.02
		<i>For &gt;10 To 50, Deduct</i>	-0.43	
		<i>For &gt;50 To 100, Deduct</i>	-1.16	
		<i>For &gt;100, Deduct</i>	-2.31	
05 05 23 00-0077	EA	1" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	30.45	1.07
		<i>For &gt;10 To 50, Deduct</i>	-0.45	
		<i>For &gt;50 To 100, Deduct</i>	-1.43	
		<i>For &gt;100, Deduct</i>	-2.87	
05 05 23 00-0078	EA	1-1/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	35.75	1.21
		<i>For &gt;10 To 50, Deduct</i>	-0.51	
		<i>For &gt;50 To 100, Deduct</i>	-1.65	
		<i>For &gt;100, Deduct</i>	-3.30	
05 05 23 00-0079	EA	1-1/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	40.40	1.30
		<i>For &gt;10 To 50, Deduct</i>	-0.54	
		<i>For &gt;50 To 100, Deduct</i>	-1.82	
		<i>For &gt;100, Deduct</i>	-3.64	
05 05 23 00-0080		<b>Galvanized A307B Heavy Hex Bolts</b> <small>(05 05 23 00-0064)</small>		
05 05 23 00-0081	EA	1/2" Diameter x 1-1/2" Long, Galvanized A307B Heavy Hex Bolt	9.22	0.82
		<i>For &gt;10 To 50, Deduct</i>	-0.34	
		<i>For &gt;50 To 100, Deduct</i>	-0.74	
		<i>For &gt;100, Deduct</i>	-1.48	
05 05 23 00-0082	EA	1/2" Diameter x 3" Long, Galvanized A307B Heavy Hex Bolt	10.14	0.82
		<i>For &gt;10 To 50, Deduct</i>	-0.34	
		<i>For &gt;50 To 100, Deduct</i>	-0.76	
		<i>For &gt;100, Deduct</i>	-1.52	
05 05 23 00-0083	EA	5/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	11.14	0.82
		<i>For &gt;10 To 50, Deduct</i>	-0.34	
		<i>For &gt;50 To 100, Deduct</i>	-0.79	
		<i>For &gt;100, Deduct</i>	-1.57	
05 05 23 00-0084	EA	5/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	13.11	0.93
		<i>For &gt;10 To 50, Deduct</i>	-0.39	
		<i>For &gt;50 To 100, Deduct</i>	-0.91	
		<i>For &gt;100, Deduct</i>	-1.82	

**05 Metals****05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0085	EA		3/4" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt.....	13.16	0.82
			<i>For &gt;10 To 50, Deduct</i>	-0.34	
			<i>For &gt;50 To 100, Deduct</i>	-0.84	
			<i>For &gt;100, Deduct</i>	-1.68	
05 05 23 00-0086	EA		3/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	16.86	0.93
			<i>For &gt;10 To 50, Deduct</i>	-0.39	
			<i>For &gt;50 To 100, Deduct</i>	-1.00	
			<i>For &gt;100, Deduct</i>	-2.00	
05 05 23 00-0087	EA		3/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	23.10	0.97
			<i>For &gt;10 To 50, Deduct</i>	-0.41	
			<i>For &gt;50 To 100, Deduct</i>	-1.19	
			<i>For &gt;100, Deduct</i>	-2.37	
05 05 23 00-0088	EA		3/4" Diameter x 8" Long, Galvanized A307B Heavy Hex Bolt.....	27.47	1.02
			<i>For &gt;10 To 50, Deduct</i>	-0.43	
			<i>For &gt;50 To 100, Deduct</i>	-1.33	
			<i>For &gt;100, Deduct</i>	-2.65	
05 05 23 00-0089	EA		7/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt.....	18.14	0.88
			<i>For &gt;10 To 50, Deduct</i>	-0.37	
			<i>For &gt;50 To 100, Deduct</i>	-1.01	
			<i>For &gt;100, Deduct</i>	-2.01	
05 05 23 00-0090	EA		7/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	21.78	0.97
			<i>For &gt;10 To 50, Deduct</i>	-0.40	
			<i>For &gt;50 To 100, Deduct</i>	-1.15	
			<i>For &gt;100, Deduct</i>	-2.30	
05 05 23 00-0091	EA		1" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	26.42	1.02
			<i>For &gt;10 To 50, Deduct</i>	-0.43	
			<i>For &gt;50 To 100, Deduct</i>	-1.30	
			<i>For &gt;100, Deduct</i>	-2.60	
05 05 23 00-0092	EA		1" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	40.87	1.07
			<i>For &gt;10 To 50, Deduct</i>	-0.45	
			<i>For &gt;50 To 100, Deduct</i>	-1.69	
			<i>For &gt;100, Deduct</i>	-3.39	
05 05 23 00-0093	EA		1-1/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	40.41	1.21
			<i>For &gt;10 To 50, Deduct</i>	-0.51	
			<i>For &gt;50 To 100, Deduct</i>	-1.77	
			<i>For &gt;100, Deduct</i>	-3.54	
05 05 23 00-0094	EA		1-1/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	51.19	1.30
			<i>For &gt;10 To 50, Deduct</i>	-0.54	
			<i>For &gt;50 To 100, Deduct</i>	-2.09	
			<i>For &gt;100, Deduct</i>	-4.18	
05 05 23 00-0095			<b>A325 High Strength Structural Bolts</b> (05 05 23 00-0063) Note: Includes A325 heavy hex nut and two structural washers.		
05 05 23 00-0096			<b>Plain Finish A325 High Strength Structural Bolts</b> (05 05 23 00-0095) Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0097	EA		1/2" Diameter x 1-1/2" Long, Plain Finish A325 High Strength Structural Bolt.....	8.43	0.82
			<i>For &gt;10 To 50, Deduct</i>	-0.34	
			<i>For &gt;50 To 100, Deduct</i>	-0.72	
			<i>For &gt;100, Deduct</i>	-1.44	
05 05 23 00-0098	EA		1/2" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	8.67	0.82
			<i>For &gt;10 To 50, Deduct</i>	-0.34	
			<i>For &gt;50 To 100, Deduct</i>	-0.73	
			<i>For &gt;100, Deduct</i>	-1.45	
05 05 23 00-0099	EA		5/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	9.45	0.82
			<i>For &gt;10 To 50, Deduct</i>	-0.34	
			<i>For &gt;50 To 100, Deduct</i>	-0.74	
			<i>For &gt;100, Deduct</i>	-1.49	
05 05 23 00-0100	EA		5/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	11.81	0.93
			<i>For &gt;10 To 50, Deduct</i>	-0.39	
			<i>For &gt;50 To 100, Deduct</i>	-0.88	
			<i>For &gt;100, Deduct</i>	-1.75	
05 05 23 00-0101	EA		5/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	14.00	0.97
			<i>For &gt;10 To 50, Deduct</i>	-0.41	
			<i>For &gt;50 To 100, Deduct</i>	-0.96	
			<i>For &gt;100, Deduct</i>	-1.92	
05 05 23 00-0102	EA		3/4" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	10.52	0.82
			<i>For &gt;10 To 50, Deduct</i>	-0.34	
			<i>For &gt;50 To 100, Deduct</i>	-0.77	
			<i>For &gt;100, Deduct</i>	-1.54	
05 05 23 00-0103	EA		3/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	12.95	0.93
			<i>For &gt;10 To 50, Deduct</i>	-0.39	
			<i>For &gt;50 To 100, Deduct</i>	-0.90	
			<i>For &gt;100, Deduct</i>	-1.81	
05 05 23 00-0104	EA		3/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	15.02	0.97
			<i>For &gt;10 To 50, Deduct</i>	-0.41	
			<i>For &gt;50 To 100, Deduct</i>	-0.98	
			<i>For &gt;100, Deduct</i>	-1.97	
05 05 23 00-0105	EA		3/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	19.01	1.02
			<i>For &gt;10 To 50, Deduct</i>	-0.43	
			<i>For &gt;50 To 100, Deduct</i>	-1.11	
			<i>For &gt;100, Deduct</i>	-2.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0106 EA 7/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	12.41	0.88
<i>For &gt;10 To 50, Deduct</i>	-0.37	
<i>For &gt;50 To 100, Deduct</i>	-0.86	
<i>For &gt;100, Deduct</i>	-1.72	
05 05 23 00-0107 EA 7/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	15.44	0.97
<i>For &gt;10 To 50, Deduct</i>	-0.40	
<i>For &gt;50 To 100, Deduct</i>	-0.99	
<i>For &gt;100, Deduct</i>	-1.98	
05 05 23 00-0108 EA 7/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	17.89	1.02
<i>For &gt;10 To 50, Deduct</i>	-0.43	
<i>For &gt;50 To 100, Deduct</i>	-1.09	
<i>For &gt;100, Deduct</i>	-2.17	
05 05 23 00-0109 EA 7/8" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	19.50	1.07
<i>For &gt;10 To 50, Deduct</i>	-0.45	
<i>For &gt;50 To 100, Deduct</i>	-1.16	
<i>For &gt;100, Deduct</i>	-2.32	
05 05 23 00-0110 EA 1" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	13.90	0.92
<i>For &gt;10 To 50, Deduct</i>	-0.38	
<i>For &gt;50 To 100, Deduct</i>	-0.92	
<i>For &gt;100, Deduct</i>	-1.84	
05 05 23 00-0111 EA 1" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	16.98	1.02
<i>For &gt;10 To 50, Deduct</i>	-0.43	
<i>For &gt;50 To 100, Deduct</i>	-1.06	
<i>For &gt;100, Deduct</i>	-2.13	
05 05 23 00-0112 EA 1" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	20.02	1.07
<i>For &gt;10 To 50, Deduct</i>	-0.45	
<i>For &gt;50 To 100, Deduct</i>	-1.17	
<i>For &gt;100, Deduct</i>	-2.34	
05 05 23 00-0113 EA 1" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	26.35	1.14
<i>For &gt;10 To 50, Deduct</i>	-0.48	
<i>For &gt;50 To 100, Deduct</i>	-1.37	
<i>For &gt;100, Deduct</i>	-2.75	
05 05 23 00-0114 EA 1-1/4" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	25.00	1.14
<i>For &gt;10 To 50, Deduct</i>	-0.48	
<i>For &gt;50 To 100, Deduct</i>	-1.34	
<i>For &gt;100, Deduct</i>	-2.68	
05 05 23 00-0115 EA 1-1/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	28.59	1.21
<i>For &gt;10 To 50, Deduct</i>	-0.51	
<i>For &gt;50 To 100, Deduct</i>	-1.47	
<i>For &gt;100, Deduct</i>	-2.94	
05 05 23 00-0116 EA 1-1/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	33.95	1.30
<i>For &gt;10 To 50, Deduct</i>	-0.54	
<i>For &gt;50 To 100, Deduct</i>	-1.66	
<i>For &gt;100, Deduct</i>	-3.32	
05 05 23 00-0117 EA 1-1/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	40.31	1.39
<i>For &gt;10 To 50, Deduct</i>	-0.58	
<i>For &gt;50 To 100, Deduct</i>	-1.87	
<i>For &gt;100, Deduct</i>	-3.75	
<b>05 05 23 00-0118 Galvanized A325 High Strength Structural Bolts</b> <small>(05 05 23 00-0095)</small>		
<i>Note: Includes A325 heavy hex nut and structural washer.</i>		
05 05 23 00-0119 EA 1/2" Diameter x 1-1/2" Long, Galvanized A325 High Strength Structural Bolt.....	8.91	0.82
<i>For &gt;10 To 50, Deduct</i>	-0.34	
<i>For &gt;50 To 100, Deduct</i>	-0.73	
<i>For &gt;100, Deduct</i>	-1.46	
05 05 23 00-0120 EA 1/2" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt.....	9.08	0.82
<i>For &gt;10 To 50, Deduct</i>	-0.34	
<i>For &gt;50 To 100, Deduct</i>	-0.74	
<i>For &gt;100, Deduct</i>	-1.47	
05 05 23 00-0121 EA 5/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	10.47	0.82
<i>For &gt;10 To 50, Deduct</i>	-0.34	
<i>For &gt;50 To 100, Deduct</i>	-0.77	
<i>For &gt;100, Deduct</i>	-1.54	
05 05 23 00-0122 EA 5/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	12.53	0.93
<i>For &gt;10 To 50, Deduct</i>	-0.39	
<i>For &gt;50 To 100, Deduct</i>	-0.89	
<i>For &gt;100, Deduct</i>	-1.79	
05 05 23 00-0123 EA 5/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	13.31	0.97
<i>For &gt;10 To 50, Deduct</i>	-0.41	
<i>For &gt;50 To 100, Deduct</i>	-0.94	
<i>For &gt;100, Deduct</i>	-1.88	
05 05 23 00-0124 EA 3/4" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	10.99	0.82
<i>For &gt;10 To 50, Deduct</i>	-0.34	
<i>For &gt;50 To 100, Deduct</i>	-0.78	
<i>For &gt;100, Deduct</i>	-1.57	
05 05 23 00-0125 EA 3/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	13.54	0.93
<i>For &gt;10 To 50, Deduct</i>	-0.39	
<i>For &gt;50 To 100, Deduct</i>	-0.92	
<i>For &gt;100, Deduct</i>	-1.84	
05 05 23 00-0126 EA 3/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	15.94	0.97
<i>For &gt;10 To 50, Deduct</i>	-0.41	
<i>For &gt;50 To 100, Deduct</i>	-1.01	
<i>For &gt;100, Deduct</i>	-2.01	

**05 Metals****05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0127	EA		3/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	21.19	1.02
			<i>For &gt;10 To 50, Deduct</i>	-0.43	
			<i>For &gt;50 To 100, Deduct</i>	-1.17	
			<i>For &gt;100, Deduct</i>	-2.34	
05 05 23 00-0128	EA		7/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	15.23	0.88
			<i>For &gt;10 To 50, Deduct</i>	-0.37	
			<i>For &gt;50 To 100, Deduct</i>	-0.93	
			<i>For &gt;100, Deduct</i>	-1.87	
05 05 23 00-0129	EA		7/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	17.11	0.97
			<i>For &gt;10 To 50, Deduct</i>	-0.40	
			<i>For &gt;50 To 100, Deduct</i>	-1.03	
			<i>For &gt;100, Deduct</i>	-2.07	
05 05 23 00-0130	EA		7/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	19.91	1.02
			<i>For &gt;10 To 50, Deduct</i>	-0.43	
			<i>For &gt;50 To 100, Deduct</i>	-1.14	
			<i>For &gt;100, Deduct</i>	-2.27	
05 05 23 00-0131	EA		7/8" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	25.56	1.07
			<i>For &gt;10 To 50, Deduct</i>	-0.45	
			<i>For &gt;50 To 100, Deduct</i>	-1.31	
			<i>For &gt;100, Deduct</i>	-2.62	
05 05 23 00-0132	EA		1" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	16.09	0.92
			<i>For &gt;10 To 50, Deduct</i>	-0.38	
			<i>For &gt;50 To 100, Deduct</i>	-0.98	
			<i>For &gt;100, Deduct</i>	-1.95	
05 05 23 00-0133	EA		1" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	22.00	1.02
			<i>For &gt;10 To 50, Deduct</i>	-0.43	
			<i>For &gt;50 To 100, Deduct</i>	-1.19	
			<i>For &gt;100, Deduct</i>	-2.38	
05 05 23 00-0134	EA		1" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	24.23	1.07
			<i>For &gt;10 To 50, Deduct</i>	-0.45	
			<i>For &gt;50 To 100, Deduct</i>	-1.28	
			<i>For &gt;100, Deduct</i>	-2.55	
05 05 23 00-0135	EA		1" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	31.54	1.14
			<i>For &gt;10 To 50, Deduct</i>	-0.48	
			<i>For &gt;50 To 100, Deduct</i>	-1.50	
			<i>For &gt;100, Deduct</i>	-3.01	
05 05 23 00-0136	EA		1-1/4" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt .....	31.33	1.14
			<i>For &gt;10 To 50, Deduct</i>	-0.48	
			<i>For &gt;50 To 100, Deduct</i>	-1.50	
			<i>For &gt;100, Deduct</i>	-2.99	
05 05 23 00-0137	EA		1-1/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt .....	33.43	1.21
			<i>For &gt;10 To 50, Deduct</i>	-0.51	
			<i>For &gt;50 To 100, Deduct</i>	-1.59	
			<i>For &gt;100, Deduct</i>	-3.19	
05 05 23 00-0138	EA		1-1/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt .....	39.50	1.30
			<i>For &gt;10 To 50, Deduct</i>	-0.54	
			<i>For &gt;50 To 100, Deduct</i>	-1.80	
			<i>For &gt;100, Deduct</i>	-3.60	
05 05 23 00-0139	EA		1-1/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt .....	46.10	1.39
			<i>For &gt;10 To 50, Deduct</i>	-0.58	
			<i>For &gt;50 To 100, Deduct</i>	-2.02	
			<i>For &gt;100, Deduct</i>	-4.04	
05 05 23 00-0140			<b>A490 High Strength Structural Bolts</b> <small>(05 05 23 00-0063)</small>		
			Note: Includes A490 heavy hex nut and two structural washers.		
05 05 23 00-0141			<b>Plain Finish A490 High Strength Structural Bolts</b> <small>(05 05 23 00-0140)</small>		
05 05 23 00-0142	EA		5/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	9.83	0.82
			<i>For &gt;10 To 50, Deduct</i>	-0.34	
			<i>For &gt;50 To 100, Deduct</i>	-0.75	
			<i>For &gt;100, Deduct</i>	-1.51	
05 05 23 00-0143	EA		5/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	14.44	0.93
			<i>For &gt;10 To 50, Deduct</i>	-0.39	
			<i>For &gt;50 To 100, Deduct</i>	-0.94	
			<i>For &gt;100, Deduct</i>	-1.88	
05 05 23 00-0144	EA		5/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	15.51	0.97
			<i>For &gt;10 To 50, Deduct</i>	-0.41	
			<i>For &gt;50 To 100, Deduct</i>	-1.00	
			<i>For &gt;100, Deduct</i>	-1.99	
05 05 23 00-0145	EA		3/4" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	11.32	0.82
			<i>For &gt;10 To 50, Deduct</i>	-0.34	
			<i>For &gt;50 To 100, Deduct</i>	-0.79	
			<i>For &gt;100, Deduct</i>	-1.58	
05 05 23 00-0146	EA		3/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	13.86	0.93
			<i>For &gt;10 To 50, Deduct</i>	-0.39	
			<i>For &gt;50 To 100, Deduct</i>	-0.93	
			<i>For &gt;100, Deduct</i>	-1.85	
05 05 23 00-0147	EA		3/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	16.48	0.97
			<i>For &gt;10 To 50, Deduct</i>	-0.41	
			<i>For &gt;50 To 100, Deduct</i>	-1.02	
			<i>For &gt;100, Deduct</i>	-2.04	
05 05 23 00-0148	EA		3/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt.....	21.85	1.02
			<i>For &gt;10 To 50, Deduct</i>	-0.43	
			<i>For &gt;50 To 100, Deduct</i>	-1.18	
			<i>For &gt;100, Deduct</i>	-2.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0149 EA 7/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	13.33 -0.37 -0.89 -1.77	0.88
05 05 23 00-0150 EA 7/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	15.73 -0.40 -1.00 -2.00	0.97
05 05 23 00-0151 EA 7/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	23.83 -0.43 -1.23 -2.47	1.02
05 05 23 00-0152 EA 1" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	16.04 -0.38 -0.97 -1.95	0.92
05 05 23 00-0153 EA 1" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	19.39 -0.43 -1.12 -2.25	1.02
05 05 23 00-0154 EA 1" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	22.61 -0.45 -1.24 -2.47	1.07
05 05 23 00-0155 EA 1-1/4" Diameter x 3" Long, Plain Finish A490 High Strength Structural Bolt..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	28.83 -0.48 -1.43 -2.87	1.14
05 05 23 00-0156 EA 1-1/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	37.74 -0.51 -1.70 -3.40	1.21
05 05 23 00-0157 EA 1-1/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	39.65 -0.54 -1.80 -3.61	1.30
05 05 23 00-0158 EA 1-1/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt..... <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	41.29 -0.58 -1.90 -3.80	1.39
<b>05 05 23 00-0159 Hex Head Bolts</b> <small>(05 05 23 00-0063)</small>		
<b>05 05 23 00-0160 Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0159)</small>		
<b>05 05 23 00-0161 1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0160)</small>		
05 05 23 00-0162 EA 1/4" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	2.55 -0.49 -0.62 -0.74	
05 05 23 00-0163 EA 1/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	2.57 -0.49 -0.62 -0.74	
05 05 23 00-0164 EA 1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	2.64 -0.49 -0.62 -0.74	
05 05 23 00-0165 EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	2.67 -0.49 -0.62 -0.74	
05 05 23 00-0166 EA 1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	2.78 -0.51 -0.64 -0.76	
05 05 23 00-0167 EA 1/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	2.80 -0.51 -0.64 -0.76	
05 05 23 00-0168 EA 1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	2.90 -0.51 -0.64 -0.76	
05 05 23 00-0169 EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	2.97 -0.52 -0.65 -0.78	
05 05 23 00-0170 EA 1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	3.01 -0.52 -0.65 -0.78	

## 05 Metals

## 05 05 Common Work Results For Metals

## 05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0171	EA		1/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.15	
			<i>For &gt;100 To 250, Deduct</i>	-0.52	
			<i>For &gt;250 To 500, Deduct</i>	-0.65	
			<i>For &gt;500, Deduct</i>	-0.78	
05 05 23 00-0172	EA		1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.33	
			<i>For &gt;100 To 250, Deduct</i>	-0.54	
			<i>For &gt;250 To 500, Deduct</i>	-0.67	
			<i>For &gt;500, Deduct</i>	-0.80	
05 05 23 00-0173	EA		1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.44	
			<i>For &gt;100 To 250, Deduct</i>	-0.54	
			<i>For &gt;250 To 500, Deduct</i>	-0.67	
			<i>For &gt;500, Deduct</i>	-0.80	
05 05 23 00-0174	EA		1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.59	
			<i>For &gt;100 To 250, Deduct</i>	-0.54	
			<i>For &gt;250 To 500, Deduct</i>	-0.67	
			<i>For &gt;500, Deduct</i>	-0.80	
05 05 23 00-0175	EA		1/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.99	
			<i>For &gt;100 To 250, Deduct</i>	-0.55	
			<i>For &gt;250 To 500, Deduct</i>	-0.69	
			<i>For &gt;500, Deduct</i>	-0.83	
05 05 23 00-0176	EA		1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.22	
			<i>For &gt;100 To 250, Deduct</i>	-0.55	
			<i>For &gt;250 To 500, Deduct</i>	-0.69	
			<i>For &gt;500, Deduct</i>	-0.83	
05 05 23 00-0177	EA		1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.28	
			<i>For &gt;100 To 250, Deduct</i>	-0.55	
			<i>For &gt;250 To 500, Deduct</i>	-0.69	
			<i>For &gt;500, Deduct</i>	-0.83	
05 05 23 00-0178			5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0160)</small>		
05 05 23 00-0179	EA		5/16" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	2.61	
			<i>For &gt;100 To 250, Deduct</i>	-0.49	
			<i>For &gt;250 To 500, Deduct</i>	-0.62	
			<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-0180	EA		5/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	2.63	
			<i>For &gt;100 To 250, Deduct</i>	-0.49	
			<i>For &gt;250 To 500, Deduct</i>	-0.62	
			<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-0181	EA		5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	2.68	
			<i>For &gt;100 To 250, Deduct</i>	-0.49	
			<i>For &gt;250 To 500, Deduct</i>	-0.62	
			<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-0182	EA		5/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	2.72	
			<i>For &gt;100 To 250, Deduct</i>	-0.49	
			<i>For &gt;250 To 500, Deduct</i>	-0.62	
			<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-0183	EA		5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	2.84	
			<i>For &gt;100 To 250, Deduct</i>	-0.51	
			<i>For &gt;250 To 500, Deduct</i>	-0.64	
			<i>For &gt;500, Deduct</i>	-0.76	
05 05 23 00-0184	EA		5/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	2.94	
			<i>For &gt;100 To 250, Deduct</i>	-0.51	
			<i>For &gt;250 To 500, Deduct</i>	-0.64	
			<i>For &gt;500, Deduct</i>	-0.76	
05 05 23 00-0185	EA		5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	2.98	
			<i>For &gt;100 To 250, Deduct</i>	-0.51	
			<i>For &gt;250 To 500, Deduct</i>	-0.64	
			<i>For &gt;500, Deduct</i>	-0.76	
05 05 23 00-0186	EA		5/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.14	
			<i>For &gt;100 To 250, Deduct</i>	-0.52	
			<i>For &gt;250 To 500, Deduct</i>	-0.65	
			<i>For &gt;500, Deduct</i>	-0.78	
05 05 23 00-0187	EA		5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.28	
			<i>For &gt;100 To 250, Deduct</i>	-0.52	
			<i>For &gt;250 To 500, Deduct</i>	-0.65	
			<i>For &gt;500, Deduct</i>	-0.78	
05 05 23 00-0188	EA		5/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.34	
			<i>For &gt;100 To 250, Deduct</i>	-0.52	
			<i>For &gt;250 To 500, Deduct</i>	-0.65	
			<i>For &gt;500, Deduct</i>	-0.78	
05 05 23 00-0189	EA		5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.45	
			<i>For &gt;100 To 250, Deduct</i>	-0.54	
			<i>For &gt;250 To 500, Deduct</i>	-0.67	
			<i>For &gt;500, Deduct</i>	-0.80	
05 05 23 00-0190	EA		5/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.50	
			<i>For &gt;100 To 250, Deduct</i>	-0.54	
			<i>For &gt;250 To 500, Deduct</i>	-0.67	
			<i>For &gt;500, Deduct</i>	-0.80	
05 05 23 00-0191	EA		5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.03	
			<i>For &gt;100 To 250, Deduct</i>	-0.54	
			<i>For &gt;250 To 500, Deduct</i>	-0.67	
			<i>For &gt;500, Deduct</i>	-0.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0192 EA 5/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.37	
<i>For &gt;100 To 250, Deduct</i>	-0.55	
<i>For &gt;250 To 500, Deduct</i>	-0.69	
<i>For &gt;500, Deduct</i>	-0.83	
05 05 23 00-0193 EA 5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.61	
<i>For &gt;100 To 250, Deduct</i>	-0.55	
<i>For &gt;250 To 500, Deduct</i>	-0.69	
<i>For &gt;500, Deduct</i>	-0.83	
05 05 23 00-0194 EA 5/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.82	
<i>For &gt;100 To 250, Deduct</i>	-0.55	
<i>For &gt;250 To 500, Deduct</i>	-0.69	
<i>For &gt;500, Deduct</i>	-0.83	
<b>05 05 23 00-0195 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0195)</small></b>		
05 05 23 00-0196 EA 3/8" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	2.67	
<i>For &gt;100 To 250, Deduct</i>	-0.49	
<i>For &gt;250 To 500, Deduct</i>	-0.62	
<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-0197 EA 3/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	2.69	
<i>For &gt;100 To 250, Deduct</i>	-0.49	
<i>For &gt;250 To 500, Deduct</i>	-0.62	
<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-0198 EA 3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	2.77	
<i>For &gt;100 To 250, Deduct</i>	-0.49	
<i>For &gt;250 To 500, Deduct</i>	-0.62	
<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-0199 EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	2.83	
<i>For &gt;100 To 250, Deduct</i>	-0.49	
<i>For &gt;250 To 500, Deduct</i>	-0.62	
<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-0200 EA 3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	2.97	
<i>For &gt;100 To 250, Deduct</i>	-0.51	
<i>For &gt;250 To 500, Deduct</i>	-0.64	
<i>For &gt;500, Deduct</i>	-0.76	
05 05 23 00-0201 EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.09	
<i>For &gt;100 To 250, Deduct</i>	-0.51	
<i>For &gt;250 To 500, Deduct</i>	-0.64	
<i>For &gt;500, Deduct</i>	-0.76	
05 05 23 00-0202 EA 3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.21	
<i>For &gt;100 To 250, Deduct</i>	-0.51	
<i>For &gt;250 To 500, Deduct</i>	-0.64	
<i>For &gt;500, Deduct</i>	-0.76	
05 05 23 00-0203 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.40	
<i>For &gt;100 To 250, Deduct</i>	-0.52	
<i>For &gt;250 To 500, Deduct</i>	-0.65	
<i>For &gt;500, Deduct</i>	-0.78	
05 05 23 00-0204 EA 3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.56	
<i>For &gt;100 To 250, Deduct</i>	-0.52	
<i>For &gt;250 To 500, Deduct</i>	-0.65	
<i>For &gt;500, Deduct</i>	-0.78	
05 05 23 00-0205 EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.65	
<i>For &gt;100 To 250, Deduct</i>	-0.52	
<i>For &gt;250 To 500, Deduct</i>	-0.65	
<i>For &gt;500, Deduct</i>	-0.78	
05 05 23 00-0206 EA 3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.88	
<i>For &gt;100 To 250, Deduct</i>	-0.54	
<i>For &gt;250 To 500, Deduct</i>	-0.67	
<i>For &gt;500, Deduct</i>	-0.80	
05 05 23 00-0207 EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.97	
<i>For &gt;100 To 250, Deduct</i>	-0.54	
<i>For &gt;250 To 500, Deduct</i>	-0.67	
<i>For &gt;500, Deduct</i>	-0.80	
05 05 23 00-0208 EA 3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.03	
<i>For &gt;100 To 250, Deduct</i>	-0.54	
<i>For &gt;250 To 500, Deduct</i>	-0.67	
<i>For &gt;500, Deduct</i>	-0.80	
05 05 23 00-0209 EA 3/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.15	
<i>For &gt;100 To 250, Deduct</i>	-0.55	
<i>For &gt;250 To 500, Deduct</i>	-0.69	
<i>For &gt;500, Deduct</i>	-0.83	
05 05 23 00-0210 EA 3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.25	
<i>For &gt;100 To 250, Deduct</i>	-0.55	
<i>For &gt;250 To 500, Deduct</i>	-0.69	
<i>For &gt;500, Deduct</i>	-0.83	
05 05 23 00-0211 EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.39	
<i>For &gt;100 To 250, Deduct</i>	-0.55	
<i>For &gt;250 To 500, Deduct</i>	-0.69	
<i>For &gt;500, Deduct</i>	-0.83	
<b>05 05 23 00-0212 7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0195)</small></b>		



**05 Metals****05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0213 EA 7/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.33	
For >100 To 250, Deduct	-0.57	
For >250 To 500, Deduct	-0.71	
For >500, Deduct	-0.85	
05 05 23 00-0214 EA 7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.43	
For >100 To 250, Deduct	-0.57	
For >250 To 500, Deduct	-0.71	
For >500, Deduct	-0.85	
05 05 23 00-0215 EA 7/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.44	
For >100 To 250, Deduct	-0.57	
For >250 To 500, Deduct	-0.71	
For >500, Deduct	-0.85	
05 05 23 00-0216 EA 7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.65	
For >100 To 250, Deduct	-0.58	
For >250 To 500, Deduct	-0.73	
For >500, Deduct	-0.87	
05 05 23 00-0217 EA 7/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.80	
For >100 To 250, Deduct	-0.58	
For >250 To 500, Deduct	-0.73	
For >500, Deduct	-0.87	
05 05 23 00-0218 EA 7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.92	
For >100 To 250, Deduct	-0.58	
For >250 To 500, Deduct	-0.73	
For >500, Deduct	-0.87	
05 05 23 00-0219 EA 7/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.31	
For >100 To 250, Deduct	-0.59	
For >250 To 500, Deduct	-0.74	
For >500, Deduct	-0.89	
05 05 23 00-0220 EA 7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.40	
For >100 To 250, Deduct	-0.59	
For >250 To 500, Deduct	-0.74	
For >500, Deduct	-0.89	
05 05 23 00-0221 EA 7/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.58	
For >100 To 250, Deduct	-0.59	
For >250 To 500, Deduct	-0.74	
For >500, Deduct	-0.89	
05 05 23 00-0222 EA 7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.95	
For >100 To 250, Deduct	-0.61	
For >250 To 500, Deduct	-0.76	
For >500, Deduct	-0.91	
05 05 23 00-0223 EA 7/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.04	
For >100 To 250, Deduct	-0.61	
For >250 To 500, Deduct	-0.76	
For >500, Deduct	-0.91	
05 05 23 00-0224 EA 7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.26	
For >100 To 250, Deduct	-0.61	
For >250 To 500, Deduct	-0.76	
For >500, Deduct	-0.91	
05 05 23 00-0225 EA 7/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.43	
For >100 To 250, Deduct	-0.62	
For >250 To 500, Deduct	-0.78	
For >500, Deduct	-0.93	
05 05 23 00-0226 EA 7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.63	
For >100 To 250, Deduct	-0.62	
For >250 To 500, Deduct	-0.78	
For >500, Deduct	-0.93	
05 05 23 00-0227 EA 7/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.03	
For >100 To 250, Deduct	-0.62	
For >250 To 500, Deduct	-0.78	
For >500, Deduct	-0.93	
05 05 23 00-0228 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0160)</small>		
05 05 23 00-0229 EA 1/2" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.25	
For >100 To 250, Deduct	-0.57	
For >250 To 500, Deduct	-0.71	
For >500, Deduct	-0.85	
05 05 23 00-0230 EA 1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.37	
For >100 To 250, Deduct	-0.57	
For >250 To 500, Deduct	-0.71	
For >500, Deduct	-0.85	
05 05 23 00-0231 EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.49	
For >100 To 250, Deduct	-0.57	
For >250 To 500, Deduct	-0.71	
For >500, Deduct	-0.85	
05 05 23 00-0232 EA 1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.69	
For >100 To 250, Deduct	-0.58	
For >250 To 500, Deduct	-0.73	
For >500, Deduct	-0.87	
05 05 23 00-0233 EA 1/2" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.81	
For >100 To 250, Deduct	-0.58	
For >250 To 500, Deduct	-0.73	
For >500, Deduct	-0.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0234 EA 1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.94	
<i>For &gt;100 To 250, Deduct</i>	-0.58	
<i>For &gt;250 To 500, Deduct</i>	-0.73	
<i>For &gt;500, Deduct</i>	-0.87	
05 05 23 00-0235 EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.17	
<i>For &gt;100 To 250, Deduct</i>	-0.59	
<i>For &gt;250 To 500, Deduct</i>	-0.74	
<i>For &gt;500, Deduct</i>	-0.89	
05 05 23 00-0236 EA 1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.31	
<i>For &gt;100 To 250, Deduct</i>	-0.59	
<i>For &gt;250 To 500, Deduct</i>	-0.74	
<i>For &gt;500, Deduct</i>	-0.89	
05 05 23 00-0237 EA 1/2" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.56	
<i>For &gt;100 To 250, Deduct</i>	-0.59	
<i>For &gt;250 To 500, Deduct</i>	-0.74	
<i>For &gt;500, Deduct</i>	-0.89	
05 05 23 00-0238 EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.66	
<i>For &gt;100 To 250, Deduct</i>	-0.61	
<i>For &gt;250 To 500, Deduct</i>	-0.76	
<i>For &gt;500, Deduct</i>	-0.91	
05 05 23 00-0239 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.69	
<i>For &gt;100 To 250, Deduct</i>	-0.61	
<i>For &gt;250 To 500, Deduct</i>	-0.76	
<i>For &gt;500, Deduct</i>	-0.91	
05 05 23 00-0240 EA 1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.91	
<i>For &gt;100 To 250, Deduct</i>	-0.61	
<i>For &gt;250 To 500, Deduct</i>	-0.76	
<i>For &gt;500, Deduct</i>	-0.91	
05 05 23 00-0241 EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.17	
<i>For &gt;100 To 250, Deduct</i>	-0.62	
<i>For &gt;250 To 500, Deduct</i>	-0.78	
<i>For &gt;500, Deduct</i>	-0.93	
05 05 23 00-0242 EA 1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.30	
<i>For &gt;100 To 250, Deduct</i>	-0.62	
<i>For &gt;250 To 500, Deduct</i>	-0.78	
<i>For &gt;500, Deduct</i>	-0.93	
05 05 23 00-0243 EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.66	
<i>For &gt;100 To 250, Deduct</i>	-0.62	
<i>For &gt;250 To 500, Deduct</i>	-0.78	
<i>For &gt;500, Deduct</i>	-0.93	
05 05 23 00-0244 EA 1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.91	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0245 EA 1/2" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.04	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0246 EA 1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.56	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0247 EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.70	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
<b>05 05 23 00-0248 9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0160)</small></b>		
05 05 23 00-0249 EA 9/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.37	
<i>For &gt;100 To 250, Deduct</i>	-0.57	
<i>For &gt;250 To 500, Deduct</i>	-0.71	
<i>For &gt;500, Deduct</i>	-0.85	
05 05 23 00-0250 EA 9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.53	
<i>For &gt;100 To 250, Deduct</i>	-0.57	
<i>For &gt;250 To 500, Deduct</i>	-0.71	
<i>For &gt;500, Deduct</i>	-0.85	
05 05 23 00-0251 EA 9/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.58	
<i>For &gt;100 To 250, Deduct</i>	-0.57	
<i>For &gt;250 To 500, Deduct</i>	-0.71	
<i>For &gt;500, Deduct</i>	-0.85	
05 05 23 00-0252 EA 9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.18	
<i>For &gt;100 To 250, Deduct</i>	-0.58	
<i>For &gt;250 To 500, Deduct</i>	-0.73	
<i>For &gt;500, Deduct</i>	-0.87	
05 05 23 00-0253 EA 9/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.39	
<i>For &gt;100 To 250, Deduct</i>	-0.58	
<i>For &gt;250 To 500, Deduct</i>	-0.73	
<i>For &gt;500, Deduct</i>	-0.87	
05 05 23 00-0254 EA 9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.46	
<i>For &gt;100 To 250, Deduct</i>	-0.58	
<i>For &gt;250 To 500, Deduct</i>	-0.73	
<i>For &gt;500, Deduct</i>	-0.87	

**05 Metals****05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0255	EA		9/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.56	
			<i>For &gt;100 To 250, Deduct</i>	-0.59	
			<i>For &gt;250 To 500, Deduct</i>	-0.74	
			<i>For &gt;500, Deduct</i>	-0.89	
05 05 23 00-0256	EA		9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.61	
			<i>For &gt;100 To 250, Deduct</i>	-0.59	
			<i>For &gt;250 To 500, Deduct</i>	-0.74	
			<i>For &gt;500, Deduct</i>	-0.89	
05 05 23 00-0257	EA		9/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.80	
			<i>For &gt;100 To 250, Deduct</i>	-0.59	
			<i>For &gt;250 To 500, Deduct</i>	-0.74	
			<i>For &gt;500, Deduct</i>	-0.89	
05 05 23 00-0258	EA		9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.91	
			<i>For &gt;100 To 250, Deduct</i>	-0.61	
			<i>For &gt;250 To 500, Deduct</i>	-0.76	
			<i>For &gt;500, Deduct</i>	-0.91	
05 05 23 00-0259	EA		9/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.96	
			<i>For &gt;100 To 250, Deduct</i>	-0.61	
			<i>For &gt;250 To 500, Deduct</i>	-0.76	
			<i>For &gt;500, Deduct</i>	-0.91	
05 05 23 00-0260	EA		9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.12	
			<i>For &gt;100 To 250, Deduct</i>	-0.61	
			<i>For &gt;250 To 500, Deduct</i>	-0.76	
			<i>For &gt;500, Deduct</i>	-0.91	
05 05 23 00-0261	EA		9/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.36	
			<i>For &gt;100 To 250, Deduct</i>	-0.62	
			<i>For &gt;250 To 500, Deduct</i>	-0.78	
			<i>For &gt;500, Deduct</i>	-0.93	
05 05 23 00-0262	EA		9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.55	
			<i>For &gt;100 To 250, Deduct</i>	-0.62	
			<i>For &gt;250 To 500, Deduct</i>	-0.78	
			<i>For &gt;500, Deduct</i>	-0.93	
05 05 23 00-0263	EA		9/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.74	
			<i>For &gt;100 To 250, Deduct</i>	-0.62	
			<i>For &gt;250 To 500, Deduct</i>	-0.78	
			<i>For &gt;500, Deduct</i>	-0.93	
05 05 23 00-0264	EA		9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.98	
			<i>For &gt;100 To 250, Deduct</i>	-0.64	
			<i>For &gt;250 To 500, Deduct</i>	-0.80	
			<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0265	EA		9/16" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.21	
			<i>For &gt;100 To 250, Deduct</i>	-0.64	
			<i>For &gt;250 To 500, Deduct</i>	-0.80	
			<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0266	EA		9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.36	
			<i>For &gt;100 To 250, Deduct</i>	-0.64	
			<i>For &gt;250 To 500, Deduct</i>	-0.80	
			<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0267	EA		9/16" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.59	
			<i>For &gt;100 To 250, Deduct</i>	-0.64	
			<i>For &gt;250 To 500, Deduct</i>	-0.80	
			<i>For &gt;500, Deduct</i>	-0.95	
<b>05 05 23 00-0268</b>			<b>5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0160)</small>		
05 05 23 00-0269	EA		5/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.08	
			<i>For &gt;100 To 250, Deduct</i>	-0.64	
			<i>For &gt;250 To 500, Deduct</i>	-0.80	
			<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0270	EA		5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.19	
			<i>For &gt;100 To 250, Deduct</i>	-0.64	
			<i>For &gt;250 To 500, Deduct</i>	-0.80	
			<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0271	EA		5/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.33	
			<i>For &gt;100 To 250, Deduct</i>	-0.64	
			<i>For &gt;250 To 500, Deduct</i>	-0.80	
			<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0272	EA		5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.59	
			<i>For &gt;100 To 250, Deduct</i>	-0.65	
			<i>For &gt;250 To 500, Deduct</i>	-0.81	
			<i>For &gt;500, Deduct</i>	-0.98	
05 05 23 00-0273	EA		5/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.80	
			<i>For &gt;100 To 250, Deduct</i>	-0.65	
			<i>For &gt;250 To 500, Deduct</i>	-0.81	
			<i>For &gt;500, Deduct</i>	-0.98	
05 05 23 00-0274	EA		5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.07	
			<i>For &gt;100 To 250, Deduct</i>	-0.65	
			<i>For &gt;250 To 500, Deduct</i>	-0.81	
			<i>For &gt;500, Deduct</i>	-0.98	
05 05 23 00-0275	EA		5/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.47	
			<i>For &gt;100 To 250, Deduct</i>	-0.66	
			<i>For &gt;250 To 500, Deduct</i>	-0.83	
			<i>For &gt;500, Deduct</i>	-1.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0276 EA 5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.87	
<i>For &gt;100 To 250, Deduct</i>	-0.66	
<i>For &gt;250 To 500, Deduct</i>	-0.83	
<i>For &gt;500, Deduct</i>	-1.00	
05 05 23 00-0277 EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.18	
<i>For &gt;100 To 250, Deduct</i>	-0.66	
<i>For &gt;250 To 500, Deduct</i>	-0.83	
<i>For &gt;500, Deduct</i>	-1.00	
05 05 23 00-0278 EA 5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.38	
<i>For &gt;100 To 250, Deduct</i>	-0.68	
<i>For &gt;250 To 500, Deduct</i>	-0.85	
<i>For &gt;500, Deduct</i>	-1.02	
05 05 23 00-0279 EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.43	
<i>For &gt;100 To 250, Deduct</i>	-0.68	
<i>For &gt;250 To 500, Deduct</i>	-0.85	
<i>For &gt;500, Deduct</i>	-1.02	
05 05 23 00-0280 EA 5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.96	
<i>For &gt;100 To 250, Deduct</i>	-0.68	
<i>For &gt;250 To 500, Deduct</i>	-0.85	
<i>For &gt;500, Deduct</i>	-1.02	
05 05 23 00-0281 EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.33	
<i>For &gt;100 To 250, Deduct</i>	-0.69	
<i>For &gt;250 To 500, Deduct</i>	-0.87	
<i>For &gt;500, Deduct</i>	-1.04	
05 05 23 00-0282 EA 5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.76	
<i>For &gt;100 To 250, Deduct</i>	-0.69	
<i>For &gt;250 To 500, Deduct</i>	-0.87	
<i>For &gt;500, Deduct</i>	-1.04	
05 05 23 00-0283 EA 5/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.25	
<i>For &gt;100 To 250, Deduct</i>	-0.69	
<i>For &gt;250 To 500, Deduct</i>	-0.87	
<i>For &gt;500, Deduct</i>	-1.04	
05 05 23 00-0284 EA 5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.85	
<i>For &gt;100 To 250, Deduct</i>	-0.71	
<i>For &gt;250 To 500, Deduct</i>	-0.88	
<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0285 EA 5/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.34	
<i>For &gt;100 To 250, Deduct</i>	-0.71	
<i>For &gt;250 To 500, Deduct</i>	-0.88	
<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0286 EA 5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.83	
<i>For &gt;100 To 250, Deduct</i>	-0.71	
<i>For &gt;250 To 500, Deduct</i>	-0.88	
<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0287 EA 5/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.22	
<i>For &gt;100 To 250, Deduct</i>	-0.71	
<i>For &gt;250 To 500, Deduct</i>	-0.88	
<i>For &gt;500, Deduct</i>	-1.06	
<b>05 05 23 00-0288 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0160)</small></b>		
EA 3/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.44	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0290 EA 3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.66	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0291 EA 3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.86	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0292 EA 3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.19	
<i>For &gt;100 To 250, Deduct</i>	-0.65	
<i>For &gt;250 To 500, Deduct</i>	-0.81	
<i>For &gt;500, Deduct</i>	-0.98	
05 05 23 00-0293 EA 3/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.50	
<i>For &gt;100 To 250, Deduct</i>	-0.65	
<i>For &gt;250 To 500, Deduct</i>	-0.81	
<i>For &gt;500, Deduct</i>	-0.98	
05 05 23 00-0294 EA 3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.77	
<i>For &gt;100 To 250, Deduct</i>	-0.65	
<i>For &gt;250 To 500, Deduct</i>	-0.81	
<i>For &gt;500, Deduct</i>	-0.98	
05 05 23 00-0295 EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.14	
<i>For &gt;100 To 250, Deduct</i>	-0.66	
<i>For &gt;250 To 500, Deduct</i>	-0.83	
<i>For &gt;500, Deduct</i>	-1.00	
05 05 23 00-0296 EA 3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.53	
<i>For &gt;100 To 250, Deduct</i>	-0.66	
<i>For &gt;250 To 500, Deduct</i>	-0.83	
<i>For &gt;500, Deduct</i>	-1.00	

**05 Metals****05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0297	EA		3/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.83	
			<i>For &gt;100 To 250, Deduct</i>	-0.66	
			<i>For &gt;250 To 500, Deduct</i>	-0.83	
			<i>For &gt;500, Deduct</i>	-1.00	
05 05 23 00-0298	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.52	
			<i>For &gt;100 To 250, Deduct</i>	-0.68	
			<i>For &gt;250 To 500, Deduct</i>	-0.85	
			<i>For &gt;500, Deduct</i>	-1.02	
05 05 23 00-0299	EA		3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.78	
			<i>For &gt;100 To 250, Deduct</i>	-0.68	
			<i>For &gt;250 To 500, Deduct</i>	-0.85	
			<i>For &gt;500, Deduct</i>	-1.02	
05 05 23 00-0300	EA		3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.25	
			<i>For &gt;100 To 250, Deduct</i>	-0.68	
			<i>For &gt;250 To 500, Deduct</i>	-0.85	
			<i>For &gt;500, Deduct</i>	-1.02	
05 05 23 00-0301	EA		3/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.35	
			<i>For &gt;100 To 250, Deduct</i>	-0.69	
			<i>For &gt;250 To 500, Deduct</i>	-0.87	
			<i>For &gt;500, Deduct</i>	-1.04	
05 05 23 00-0302	EA		3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.46	
			<i>For &gt;100 To 250, Deduct</i>	-0.69	
			<i>For &gt;250 To 500, Deduct</i>	-0.87	
			<i>For &gt;500, Deduct</i>	-1.04	
05 05 23 00-0303	EA		3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.97	
			<i>For &gt;100 To 250, Deduct</i>	-0.69	
			<i>For &gt;250 To 500, Deduct</i>	-0.87	
			<i>For &gt;500, Deduct</i>	-1.04	
05 05 23 00-0304	EA		3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.72	
			<i>For &gt;100 To 250, Deduct</i>	-0.71	
			<i>For &gt;250 To 500, Deduct</i>	-0.88	
			<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0305	EA		3/4" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.23	
			<i>For &gt;100 To 250, Deduct</i>	-0.71	
			<i>For &gt;250 To 500, Deduct</i>	-0.88	
			<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0306	EA		3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.92	
			<i>For &gt;100 To 250, Deduct</i>	-0.71	
			<i>For &gt;250 To 500, Deduct</i>	-0.88	
			<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0307	EA		3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.59	
			<i>For &gt;100 To 250, Deduct</i>	-0.71	
			<i>For &gt;250 To 500, Deduct</i>	-0.88	
			<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0308			<b>7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0160)</small>		
05 05 23 00-0309	EA		7/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.95	
			<i>For &gt;100 To 250, Deduct</i>	-0.71	
			<i>For &gt;250 To 500, Deduct</i>	-0.88	
			<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0310	EA		7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.13	
			<i>For &gt;100 To 250, Deduct</i>	-0.71	
			<i>For &gt;250 To 500, Deduct</i>	-0.88	
			<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0311	EA		7/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.22	
			<i>For &gt;100 To 250, Deduct</i>	-0.71	
			<i>For &gt;250 To 500, Deduct</i>	-0.88	
			<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0312	EA		7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.55	
			<i>For &gt;100 To 250, Deduct</i>	-0.72	
			<i>For &gt;250 To 500, Deduct</i>	-0.90	
			<i>For &gt;500, Deduct</i>	-1.08	
05 05 23 00-0313	EA		7/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.06	
			<i>For &gt;100 To 250, Deduct</i>	-0.72	
			<i>For &gt;250 To 500, Deduct</i>	-0.90	
			<i>For &gt;500, Deduct</i>	-1.08	
05 05 23 00-0314	EA		7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.64	
			<i>For &gt;100 To 250, Deduct</i>	-0.72	
			<i>For &gt;250 To 500, Deduct</i>	-0.90	
			<i>For &gt;500, Deduct</i>	-1.08	
05 05 23 00-0315	EA		7/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.21	
			<i>For &gt;100 To 250, Deduct</i>	-0.74	
			<i>For &gt;250 To 500, Deduct</i>	-0.92	
			<i>For &gt;500, Deduct</i>	-1.10	
05 05 23 00-0316	EA		7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.06	
			<i>For &gt;100 To 250, Deduct</i>	-0.74	
			<i>For &gt;250 To 500, Deduct</i>	-0.92	
			<i>For &gt;500, Deduct</i>	-1.10	
05 05 23 00-0317	EA		7/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.54	
			<i>For &gt;100 To 250, Deduct</i>	-0.74	
			<i>For &gt;250 To 500, Deduct</i>	-0.92	
			<i>For &gt;500, Deduct</i>	-1.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0318 EA 7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.98	
<i>For &gt;100 To 250, Deduct</i>	-0.75	
<i>For &gt;250 To 500, Deduct</i>	-0.94	
<i>For &gt;500, Deduct</i>	-1.13	
05 05 23 00-0319 EA 7/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.26	
<i>For &gt;100 To 250, Deduct</i>	-0.75	
<i>For &gt;250 To 500, Deduct</i>	-0.94	
<i>For &gt;500, Deduct</i>	-1.13	
05 05 23 00-0320 EA 7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.94	
<i>For &gt;100 To 250, Deduct</i>	-0.75	
<i>For &gt;250 To 500, Deduct</i>	-0.94	
<i>For &gt;500, Deduct</i>	-1.13	
05 05 23 00-0321 EA 7/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.69	
<i>For &gt;100 To 250, Deduct</i>	-0.76	
<i>For &gt;250 To 500, Deduct</i>	-0.96	
<i>For &gt;500, Deduct</i>	-1.15	
05 05 23 00-0322 EA 7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.37	
<i>For &gt;100 To 250, Deduct</i>	-0.76	
<i>For &gt;250 To 500, Deduct</i>	-0.96	
<i>For &gt;500, Deduct</i>	-1.15	
05 05 23 00-0323 EA 7/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.05	
<i>For &gt;100 To 250, Deduct</i>	-0.76	
<i>For &gt;250 To 500, Deduct</i>	-0.96	
<i>For &gt;500, Deduct</i>	-1.15	
05 05 23 00-0324 EA 7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.75	
<i>For &gt;100 To 250, Deduct</i>	-0.78	
<i>For &gt;250 To 500, Deduct</i>	-0.97	
<i>For &gt;500, Deduct</i>	-1.17	
05 05 23 00-0325 EA 7/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.47	
<i>For &gt;100 To 250, Deduct</i>	-0.78	
<i>For &gt;250 To 500, Deduct</i>	-0.97	
<i>For &gt;500, Deduct</i>	-1.17	
05 05 23 00-0326 EA 7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.12	
<i>For &gt;100 To 250, Deduct</i>	-0.78	
<i>For &gt;250 To 500, Deduct</i>	-0.97	
<i>For &gt;500, Deduct</i>	-1.17	
05 05 23 00-0327 EA 7/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.83	
<i>For &gt;100 To 250, Deduct</i>	-0.78	
<i>For &gt;250 To 500, Deduct</i>	-0.97	
<i>For &gt;500, Deduct</i>	-1.17	
<b>05 05 23 00-0328 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0100)</small>		
05 05 23 00-0329 EA 1" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.78	
<i>For &gt;100 To 250, Deduct</i>	-0.71	
<i>For &gt;250 To 500, Deduct</i>	-0.88	
<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0330 EA 1" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.02	
<i>For &gt;100 To 250, Deduct</i>	-0.71	
<i>For &gt;250 To 500, Deduct</i>	-0.88	
<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0331 EA 1" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.87	
<i>For &gt;100 To 250, Deduct</i>	-0.72	
<i>For &gt;250 To 500, Deduct</i>	-0.90	
<i>For &gt;500, Deduct</i>	-1.08	
05 05 23 00-0332 EA 1" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.85	
<i>For &gt;100 To 250, Deduct</i>	-0.72	
<i>For &gt;250 To 500, Deduct</i>	-0.90	
<i>For &gt;500, Deduct</i>	-1.08	
05 05 23 00-0333 EA 1" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.74	
<i>For &gt;100 To 250, Deduct</i>	-0.72	
<i>For &gt;250 To 500, Deduct</i>	-0.90	
<i>For &gt;500, Deduct</i>	-1.08	
05 05 23 00-0334 EA 1" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.73	
<i>For &gt;100 To 250, Deduct</i>	-0.74	
<i>For &gt;250 To 500, Deduct</i>	-0.92	
<i>For &gt;500, Deduct</i>	-1.10	
05 05 23 00-0335 EA 1" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.58	
<i>For &gt;100 To 250, Deduct</i>	-0.74	
<i>For &gt;250 To 500, Deduct</i>	-0.92	
<i>For &gt;500, Deduct</i>	-1.10	
05 05 23 00-0336 EA 1" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.47	
<i>For &gt;100 To 250, Deduct</i>	-0.74	
<i>For &gt;250 To 500, Deduct</i>	-0.92	
<i>For &gt;500, Deduct</i>	-1.10	
05 05 23 00-0337 EA 1" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.99	
<i>For &gt;100 To 250, Deduct</i>	-0.75	
<i>For &gt;250 To 500, Deduct</i>	-0.94	
<i>For &gt;500, Deduct</i>	-1.13	
05 05 23 00-0338 EA 1" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.41	
<i>For &gt;100 To 250, Deduct</i>	-0.75	
<i>For &gt;250 To 500, Deduct</i>	-0.94	
<i>For &gt;500, Deduct</i>	-1.13	

**05 Metals****05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0339 EA 1" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.15	
For >100 To 250, Deduct	-0.75	
For >250 To 500, Deduct	-0.94	
For >500, Deduct	-1.13	
05 05 23 00-0340 EA 1" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.97	
For >100 To 250, Deduct	-0.76	
For >250 To 500, Deduct	-0.96	
For >500, Deduct	-1.15	
05 05 23 00-0341 EA 1" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.71	
For >100 To 250, Deduct	-0.76	
For >250 To 500, Deduct	-0.96	
For >500, Deduct	-1.15	
05 05 23 00-0342 EA 1" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.47	
For >100 To 250, Deduct	-0.76	
For >250 To 500, Deduct	-0.96	
For >500, Deduct	-1.15	
05 05 23 00-0343 EA 1" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.16	
For >100 To 250, Deduct	-0.78	
For >250 To 500, Deduct	-0.97	
For >500, Deduct	-1.17	
05 05 23 00-0344 EA 1" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.03	
For >100 To 250, Deduct	-0.78	
For >250 To 500, Deduct	-0.97	
For >500, Deduct	-1.17	
05 05 23 00-0345 EA 1" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.79	
For >100 To 250, Deduct	-0.78	
For >250 To 500, Deduct	-0.97	
For >500, Deduct	-1.17	
05 05 23 00-0346 EA 1" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.57	
For >100 To 250, Deduct	-0.78	
For >250 To 500, Deduct	-0.97	
For >500, Deduct	-1.17	
<b>05 05 23 00-0347 Zinc Plated Steel, Grade 5, Hex Head Bolts</b> <small>(05 05 23 00-0159)</small>		
<b>05 05 23 00-0348 1/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> <small>(05 05 23 00-0347)</small>		
05 05 23 00-0349 EA 1/4" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	2.60	
For >100 To 250, Deduct	-0.49	
For >250 To 500, Deduct	-0.62	
For >500, Deduct	-0.74	
05 05 23 00-0350 EA 1/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	2.64	
For >100 To 250, Deduct	-0.49	
For >250 To 500, Deduct	-0.62	
For >500, Deduct	-0.74	
05 05 23 00-0351 EA 1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	2.67	
For >100 To 250, Deduct	-0.49	
For >250 To 500, Deduct	-0.62	
For >500, Deduct	-0.74	
05 05 23 00-0352 EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	2.73	
For >100 To 250, Deduct	-0.49	
For >250 To 500, Deduct	-0.62	
For >500, Deduct	-0.74	
05 05 23 00-0353 EA 1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	2.87	
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-0.64	
For >500, Deduct	-0.76	
05 05 23 00-0354 EA 1/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	2.99	
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-0.64	
For >500, Deduct	-0.76	
05 05 23 00-0355 EA 1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.11	
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-0.64	
For >500, Deduct	-0.76	
05 05 23 00-0356 EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.28	
For >100 To 250, Deduct	-0.52	
For >250 To 500, Deduct	-0.65	
For >500, Deduct	-0.78	
05 05 23 00-0357 EA 1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.44	
For >100 To 250, Deduct	-0.52	
For >250 To 500, Deduct	-0.65	
For >500, Deduct	-0.78	
05 05 23 00-0358 EA 1/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.55	
For >100 To 250, Deduct	-0.52	
For >250 To 500, Deduct	-0.65	
For >500, Deduct	-0.78	
05 05 23 00-0359 EA 1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.73	
For >100 To 250, Deduct	-0.54	
For >250 To 500, Deduct	-0.67	
For >500, Deduct	-0.80	
05 05 23 00-0360 EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.83	
For >100 To 250, Deduct	-0.54	
For >250 To 500, Deduct	-0.67	
For >500, Deduct	-0.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0361 EA 1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.93	
<i>For &gt;100 To 250, Deduct</i>	-0.54	
<i>For &gt;250 To 500, Deduct</i>	-0.67	
<i>For &gt;500, Deduct</i>	-0.80	
05 05 23 00-0362 EA 1/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.14	
<i>For &gt;100 To 250, Deduct</i>	-0.55	
<i>For &gt;250 To 500, Deduct</i>	-0.69	
<i>For &gt;500, Deduct</i>	-0.83	
05 05 23 00-0363 EA 1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.28	
<i>For &gt;100 To 250, Deduct</i>	-0.55	
<i>For &gt;250 To 500, Deduct</i>	-0.69	
<i>For &gt;500, Deduct</i>	-0.83	
05 05 23 00-0364 EA 1/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.42	
<i>For &gt;100 To 250, Deduct</i>	-0.55	
<i>For &gt;250 To 500, Deduct</i>	-0.69	
<i>For &gt;500, Deduct</i>	-0.83	
<b>05 05 23 00-0365 5/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> <small>(05 05 23 00-0347)</small>		
05 05 23 00-0366 EA 5/16" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	2.67	
<i>For &gt;100 To 250, Deduct</i>	-0.49	
<i>For &gt;250 To 500, Deduct</i>	-0.62	
<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-0367 EA 5/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	2.70	
<i>For &gt;100 To 250, Deduct</i>	-0.49	
<i>For &gt;250 To 500, Deduct</i>	-0.62	
<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-0368 EA 5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	2.75	
<i>For &gt;100 To 250, Deduct</i>	-0.49	
<i>For &gt;250 To 500, Deduct</i>	-0.62	
<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-0369 EA 5/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	2.84	
<i>For &gt;100 To 250, Deduct</i>	-0.49	
<i>For &gt;250 To 500, Deduct</i>	-0.62	
<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-0370 EA 5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	2.97	
<i>For &gt;100 To 250, Deduct</i>	-0.51	
<i>For &gt;250 To 500, Deduct</i>	-0.64	
<i>For &gt;500, Deduct</i>	-0.76	
05 05 23 00-0371 EA 5/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.09	
<i>For &gt;100 To 250, Deduct</i>	-0.51	
<i>For &gt;250 To 500, Deduct</i>	-0.64	
<i>For &gt;500, Deduct</i>	-0.76	
05 05 23 00-0372 EA 5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.28	
<i>For &gt;100 To 250, Deduct</i>	-0.51	
<i>For &gt;250 To 500, Deduct</i>	-0.64	
<i>For &gt;500, Deduct</i>	-0.76	
05 05 23 00-0373 EA 5/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.45	
<i>For &gt;100 To 250, Deduct</i>	-0.52	
<i>For &gt;250 To 500, Deduct</i>	-0.65	
<i>For &gt;500, Deduct</i>	-0.78	
05 05 23 00-0374 EA 5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.60	
<i>For &gt;100 To 250, Deduct</i>	-0.52	
<i>For &gt;250 To 500, Deduct</i>	-0.65	
<i>For &gt;500, Deduct</i>	-0.78	
05 05 23 00-0375 EA 5/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.75	
<i>For &gt;100 To 250, Deduct</i>	-0.52	
<i>For &gt;250 To 500, Deduct</i>	-0.65	
<i>For &gt;500, Deduct</i>	-0.78	
05 05 23 00-0376 EA 5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.10	
<i>For &gt;100 To 250, Deduct</i>	-0.54	
<i>For &gt;250 To 500, Deduct</i>	-0.67	
<i>For &gt;500, Deduct</i>	-0.80	
05 05 23 00-0377 EA 5/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.15	
<i>For &gt;100 To 250, Deduct</i>	-0.54	
<i>For &gt;250 To 500, Deduct</i>	-0.67	
<i>For &gt;500, Deduct</i>	-0.80	
05 05 23 00-0378 EA 5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.34	
<i>For &gt;100 To 250, Deduct</i>	-0.54	
<i>For &gt;250 To 500, Deduct</i>	-0.67	
<i>For &gt;500, Deduct</i>	-0.80	
05 05 23 00-0379 EA 5/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.68	
<i>For &gt;100 To 250, Deduct</i>	-0.55	
<i>For &gt;250 To 500, Deduct</i>	-0.69	
<i>For &gt;500, Deduct</i>	-0.83	
05 05 23 00-0380 EA 5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.94	
<i>For &gt;100 To 250, Deduct</i>	-0.55	
<i>For &gt;250 To 500, Deduct</i>	-0.69	
<i>For &gt;500, Deduct</i>	-0.83	
05 05 23 00-0381 EA 5/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.19	
<i>For &gt;100 To 250, Deduct</i>	-0.55	
<i>For &gt;250 To 500, Deduct</i>	-0.69	
<i>For &gt;500, Deduct</i>	-0.83	



**05 Metals****05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0382			<b>3/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> (05 05 23 00-0347)		
05 05 23 00-0383	EA		3/8" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	2.72	
			For >100 To 250, Deduct	-0.49	
			For >250 To 500, Deduct	-0.62	
			For >500, Deduct	-0.74	
05 05 23 00-0384	EA		3/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	2.74	
			For >100 To 250, Deduct	-0.49	
			For >250 To 500, Deduct	-0.62	
			For >500, Deduct	-0.74	
05 05 23 00-0385	EA		3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	2.83	
			For >100 To 250, Deduct	-0.49	
			For >250 To 500, Deduct	-0.62	
			For >500, Deduct	-0.74	
05 05 23 00-0386	EA		3/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	2.92	
			For >100 To 250, Deduct	-0.49	
			For >250 To 500, Deduct	-0.62	
			For >500, Deduct	-0.74	
05 05 23 00-0387	EA		3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	3.09	
			For >100 To 250, Deduct	-0.51	
			For >250 To 500, Deduct	-0.64	
			For >500, Deduct	-0.76	
05 05 23 00-0388	EA		3/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	3.20	
			For >100 To 250, Deduct	-0.51	
			For >250 To 500, Deduct	-0.64	
			For >500, Deduct	-0.76	
05 05 23 00-0389	EA		3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	3.37	
			For >100 To 250, Deduct	-0.51	
			For >250 To 500, Deduct	-0.64	
			For >500, Deduct	-0.76	
05 05 23 00-0390	EA		3/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	3.63	
			For >100 To 250, Deduct	-0.52	
			For >250 To 500, Deduct	-0.65	
			For >500, Deduct	-0.78	
05 05 23 00-0391	EA		3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	4.03	
			For >100 To 250, Deduct	-0.52	
			For >250 To 500, Deduct	-0.65	
			For >500, Deduct	-0.78	
05 05 23 00-0392	EA		3/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	4.21	
			For >100 To 250, Deduct	-0.52	
			For >250 To 500, Deduct	-0.65	
			For >500, Deduct	-0.78	
05 05 23 00-0393	EA		3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	4.53	
			For >100 To 250, Deduct	-0.54	
			For >250 To 500, Deduct	-0.67	
			For >500, Deduct	-0.80	
05 05 23 00-0394	EA		3/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	4.70	
			For >100 To 250, Deduct	-0.54	
			For >250 To 500, Deduct	-0.67	
			For >500, Deduct	-0.80	
05 05 23 00-0395	EA		3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	5.00	
			For >100 To 250, Deduct	-0.54	
			For >250 To 500, Deduct	-0.67	
			For >500, Deduct	-0.80	
05 05 23 00-0396	EA		3/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	5.30	
			For >100 To 250, Deduct	-0.55	
			For >250 To 500, Deduct	-0.69	
			For >500, Deduct	-0.83	
05 05 23 00-0397	EA		3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	5.70	
			For >100 To 250, Deduct	-0.55	
			For >250 To 500, Deduct	-0.69	
			For >500, Deduct	-0.83	
05 05 23 00-0398	EA		3/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	6.03	
			For >100 To 250, Deduct	-0.55	
			For >250 To 500, Deduct	-0.69	
			For >500, Deduct	-0.83	
05 05 23 00-0399			<b>7/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> (05 05 23 00-0347)		
05 05 23 00-0400	EA		7/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	3.26	
			For >100 To 250, Deduct	-0.57	
			For >250 To 500, Deduct	-0.71	
			For >500, Deduct	-0.85	
05 05 23 00-0401	EA		7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	3.34	
			For >100 To 250, Deduct	-0.57	
			For >250 To 500, Deduct	-0.71	
			For >500, Deduct	-0.85	
05 05 23 00-0402	EA		7/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	3.55	
			For >100 To 250, Deduct	-0.57	
			For >250 To 500, Deduct	-0.71	
			For >500, Deduct	-0.85	
05 05 23 00-0403	EA		7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	3.78	
			For >100 To 250, Deduct	-0.58	
			For >250 To 500, Deduct	-0.73	
			For >500, Deduct	-0.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0404 EA 7/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.93	
<i>For &gt;100 To 250, Deduct</i>	-0.58	
<i>For &gt;250 To 500, Deduct</i>	-0.73	
<i>For &gt;500, Deduct</i>	-0.87	
05 05 23 00-0405 EA 7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.07	
<i>For &gt;100 To 250, Deduct</i>	-0.58	
<i>For &gt;250 To 500, Deduct</i>	-0.73	
<i>For &gt;500, Deduct</i>	-0.87	
05 05 23 00-0406 EA 7/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.32	
<i>For &gt;100 To 250, Deduct</i>	-0.59	
<i>For &gt;250 To 500, Deduct</i>	-0.74	
<i>For &gt;500, Deduct</i>	-0.89	
05 05 23 00-0407 EA 7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.12	
<i>For &gt;100 To 250, Deduct</i>	-0.59	
<i>For &gt;250 To 500, Deduct</i>	-0.74	
<i>For &gt;500, Deduct</i>	-0.89	
05 05 23 00-0408 EA 7/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.47	
<i>For &gt;100 To 250, Deduct</i>	-0.59	
<i>For &gt;250 To 500, Deduct</i>	-0.74	
<i>For &gt;500, Deduct</i>	-0.89	
05 05 23 00-0409 EA 7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.65	
<i>For &gt;100 To 250, Deduct</i>	-0.61	
<i>For &gt;250 To 500, Deduct</i>	-0.76	
<i>For &gt;500, Deduct</i>	-0.91	
05 05 23 00-0410 EA 7/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.81	
<i>For &gt;100 To 250, Deduct</i>	-0.61	
<i>For &gt;250 To 500, Deduct</i>	-0.76	
<i>For &gt;500, Deduct</i>	-0.91	
05 05 23 00-0411 EA 7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.98	
<i>For &gt;100 To 250, Deduct</i>	-0.61	
<i>For &gt;250 To 500, Deduct</i>	-0.76	
<i>For &gt;500, Deduct</i>	-0.91	
05 05 23 00-0412 EA 7/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.29	
<i>For &gt;100 To 250, Deduct</i>	-0.62	
<i>For &gt;250 To 500, Deduct</i>	-0.78	
<i>For &gt;500, Deduct</i>	-0.93	
05 05 23 00-0413 EA 7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.52	
<i>For &gt;100 To 250, Deduct</i>	-0.62	
<i>For &gt;250 To 500, Deduct</i>	-0.78	
<i>For &gt;500, Deduct</i>	-0.93	
05 05 23 00-0414 EA 7/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.75	
<i>For &gt;100 To 250, Deduct</i>	-0.62	
<i>For &gt;250 To 500, Deduct</i>	-0.78	
<i>For &gt;500, Deduct</i>	-0.93	
<b>05 05 23 00-0415 1/2" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> <small>(05 05 23 00-0347)</small>		
05 05 23 00-0416 EA 1/2" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.37	
<i>For &gt;100 To 250, Deduct</i>	-0.57	
<i>For &gt;250 To 500, Deduct</i>	-0.71	
<i>For &gt;500, Deduct</i>	-0.85	
05 05 23 00-0417 EA 1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.48	
<i>For &gt;100 To 250, Deduct</i>	-0.57	
<i>For &gt;250 To 500, Deduct</i>	-0.71	
<i>For &gt;500, Deduct</i>	-0.85	
05 05 23 00-0418 EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.59	
<i>For &gt;100 To 250, Deduct</i>	-0.57	
<i>For &gt;250 To 500, Deduct</i>	-0.71	
<i>For &gt;500, Deduct</i>	-0.85	
05 05 23 00-0419 EA 1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.86	
<i>For &gt;100 To 250, Deduct</i>	-0.58	
<i>For &gt;250 To 500, Deduct</i>	-0.73	
<i>For &gt;500, Deduct</i>	-0.87	
05 05 23 00-0420 EA 1/2" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.04	
<i>For &gt;100 To 250, Deduct</i>	-0.58	
<i>For &gt;250 To 500, Deduct</i>	-0.73	
<i>For &gt;500, Deduct</i>	-0.87	
05 05 23 00-0421 EA 1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.23	
<i>For &gt;100 To 250, Deduct</i>	-0.58	
<i>For &gt;250 To 500, Deduct</i>	-0.73	
<i>For &gt;500, Deduct</i>	-0.87	
05 05 23 00-0422 EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.47	
<i>For &gt;100 To 250, Deduct</i>	-0.59	
<i>For &gt;250 To 500, Deduct</i>	-0.74	
<i>For &gt;500, Deduct</i>	-0.89	
05 05 23 00-0423 EA 1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.10	
<i>For &gt;100 To 250, Deduct</i>	-0.59	
<i>For &gt;250 To 500, Deduct</i>	-0.74	
<i>For &gt;500, Deduct</i>	-0.89	
05 05 23 00-0424 EA 1/2" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.14	
<i>For &gt;100 To 250, Deduct</i>	-0.59	
<i>For &gt;250 To 500, Deduct</i>	-0.74	
<i>For &gt;500, Deduct</i>	-0.89	

**05 Metals****05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0425	EA		1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.63	
			<i>For &gt;100 To 250, Deduct</i>	-0.61	
			<i>For &gt;250 To 500, Deduct</i>	-0.76	
			<i>For &gt;500, Deduct</i>	-0.91	
05 05 23 00-0426	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.87	
			<i>For &gt;100 To 250, Deduct</i>	-0.61	
			<i>For &gt;250 To 500, Deduct</i>	-0.76	
			<i>For &gt;500, Deduct</i>	-0.91	
05 05 23 00-0427	EA		1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.50	
			<i>For &gt;100 To 250, Deduct</i>	-0.61	
			<i>For &gt;250 To 500, Deduct</i>	-0.76	
			<i>For &gt;500, Deduct</i>	-0.91	
05 05 23 00-0428	EA		1/2" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.13	
			<i>For &gt;100 To 250, Deduct</i>	-0.62	
			<i>For &gt;250 To 500, Deduct</i>	-0.78	
			<i>For &gt;500, Deduct</i>	-0.93	
05 05 23 00-0429	EA		1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.49	
			<i>For &gt;100 To 250, Deduct</i>	-0.62	
			<i>For &gt;250 To 500, Deduct</i>	-0.78	
			<i>For &gt;500, Deduct</i>	-0.93	
05 05 23 00-0430	EA		1/2" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.62	
			<i>For &gt;100 To 250, Deduct</i>	-0.62	
			<i>For &gt;250 To 500, Deduct</i>	-0.78	
			<i>For &gt;500, Deduct</i>	-0.93	
05 05 23 00-0431	EA		1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.33	
			<i>For &gt;100 To 250, Deduct</i>	-0.64	
			<i>For &gt;250 To 500, Deduct</i>	-0.80	
			<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0432	EA		1/2" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.95	
			<i>For &gt;100 To 250, Deduct</i>	-0.64	
			<i>For &gt;250 To 500, Deduct</i>	-0.80	
			<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0433	EA		1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.82	
			<i>For &gt;100 To 250, Deduct</i>	-0.64	
			<i>For &gt;250 To 500, Deduct</i>	-0.80	
			<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0434	EA		1/2" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.15	
			<i>For &gt;100 To 250, Deduct</i>	-0.64	
			<i>For &gt;250 To 500, Deduct</i>	-0.80	
			<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0435			<b>9/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> <small>(05 05 23 00-0347)</small> .....	3.71	
05 05 23 00-0436	EA		9/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.71	
			<i>For &gt;100 To 250, Deduct</i>	-0.57	
			<i>For &gt;250 To 500, Deduct</i>	-0.71	
			<i>For &gt;500, Deduct</i>	-0.85	
05 05 23 00-0437	EA		9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	3.91	
			<i>For &gt;100 To 250, Deduct</i>	-0.57	
			<i>For &gt;250 To 500, Deduct</i>	-0.71	
			<i>For &gt;500, Deduct</i>	-0.85	
05 05 23 00-0438	EA		9/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.09	
			<i>For &gt;100 To 250, Deduct</i>	-0.57	
			<i>For &gt;250 To 500, Deduct</i>	-0.71	
			<i>For &gt;500, Deduct</i>	-0.85	
05 05 23 00-0439	EA		9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.36	
			<i>For &gt;100 To 250, Deduct</i>	-0.58	
			<i>For &gt;250 To 500, Deduct</i>	-0.73	
			<i>For &gt;500, Deduct</i>	-0.87	
05 05 23 00-0440	EA		9/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.61	
			<i>For &gt;100 To 250, Deduct</i>	-0.58	
			<i>For &gt;250 To 500, Deduct</i>	-0.73	
			<i>For &gt;500, Deduct</i>	-0.87	
05 05 23 00-0441	EA		9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.90	
			<i>For &gt;100 To 250, Deduct</i>	-0.58	
			<i>For &gt;250 To 500, Deduct</i>	-0.73	
			<i>For &gt;500, Deduct</i>	-0.87	
05 05 23 00-0442	EA		9/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.29	
			<i>For &gt;100 To 250, Deduct</i>	-0.59	
			<i>For &gt;250 To 500, Deduct</i>	-0.74	
			<i>For &gt;500, Deduct</i>	-0.89	
05 05 23 00-0443	EA		9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.38	
			<i>For &gt;100 To 250, Deduct</i>	-0.59	
			<i>For &gt;250 To 500, Deduct</i>	-0.74	
			<i>For &gt;500, Deduct</i>	-0.89	
05 05 23 00-0444	EA		9/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.66	
			<i>For &gt;100 To 250, Deduct</i>	-0.59	
			<i>For &gt;250 To 500, Deduct</i>	-0.74	
			<i>For &gt;500, Deduct</i>	-0.89	
05 05 23 00-0445	EA		9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.04	
			<i>For &gt;100 To 250, Deduct</i>	-0.61	
			<i>For &gt;250 To 500, Deduct</i>	-0.76	
			<i>For &gt;500, Deduct</i>	-0.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0446 EA 9/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.35	
<i>For &gt;100 To 250, Deduct</i>	-0.61	
<i>For &gt;250 To 500, Deduct</i>	-0.76	
<i>For &gt;500, Deduct</i>	-0.91	
05 05 23 00-0447 EA 9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.35	
<i>For &gt;100 To 250, Deduct</i>	-0.61	
<i>For &gt;250 To 500, Deduct</i>	-0.76	
<i>For &gt;500, Deduct</i>	-0.91	
05 05 23 00-0448 EA 9/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.66	
<i>For &gt;100 To 250, Deduct</i>	-0.62	
<i>For &gt;250 To 500, Deduct</i>	-0.78	
<i>For &gt;500, Deduct</i>	-0.93	
05 05 23 00-0449 EA 9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.08	
<i>For &gt;100 To 250, Deduct</i>	-0.62	
<i>For &gt;250 To 500, Deduct</i>	-0.78	
<i>For &gt;500, Deduct</i>	-0.93	
05 05 23 00-0450 EA 9/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.77	
<i>For &gt;100 To 250, Deduct</i>	-0.62	
<i>For &gt;250 To 500, Deduct</i>	-0.78	
<i>For &gt;500, Deduct</i>	-0.93	
05 05 23 00-0451 EA 9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.50	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0452 EA 9/16" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.75	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0453 EA 9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.00	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0454 EA 9/16" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.63	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
<b>05 05 23 00-0455 5/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> <small>(05 05 23 00-0347)</small>		
05 05 23 00-0456 EA 5/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.27	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0457 EA 5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.34	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0458 EA 5/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.40	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0459 EA 5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.66	
<i>For &gt;100 To 250, Deduct</i>	-0.65	
<i>For &gt;250 To 500, Deduct</i>	-0.81	
<i>For &gt;500, Deduct</i>	-0.98	
05 05 23 00-0460 EA 5/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	4.99	
<i>For &gt;100 To 250, Deduct</i>	-0.65	
<i>For &gt;250 To 500, Deduct</i>	-0.81	
<i>For &gt;500, Deduct</i>	-0.98	
05 05 23 00-0461 EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.30	
<i>For &gt;100 To 250, Deduct</i>	-0.65	
<i>For &gt;250 To 500, Deduct</i>	-0.81	
<i>For &gt;500, Deduct</i>	-0.98	
05 05 23 00-0462 EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.68	
<i>For &gt;100 To 250, Deduct</i>	-0.66	
<i>For &gt;250 To 500, Deduct</i>	-0.83	
<i>For &gt;500, Deduct</i>	-1.00	
05 05 23 00-0463 EA 5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.26	
<i>For &gt;100 To 250, Deduct</i>	-0.66	
<i>For &gt;250 To 500, Deduct</i>	-0.83	
<i>For &gt;500, Deduct</i>	-1.00	
05 05 23 00-0464 EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.58	
<i>For &gt;100 To 250, Deduct</i>	-0.66	
<i>For &gt;250 To 500, Deduct</i>	-0.83	
<i>For &gt;500, Deduct</i>	-1.00	
05 05 23 00-0465 EA 5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.81	
<i>For &gt;100 To 250, Deduct</i>	-0.68	
<i>For &gt;250 To 500, Deduct</i>	-0.85	
<i>For &gt;500, Deduct</i>	-1.02	
05 05 23 00-0466 EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.31	
<i>For &gt;100 To 250, Deduct</i>	-0.68	
<i>For &gt;250 To 500, Deduct</i>	-0.85	
<i>For &gt;500, Deduct</i>	-1.02	

**05 Metals****05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0467	EA		5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.11	
			<i>For &gt;100 To 250, Deduct</i>	-0.68	
			<i>For &gt;250 To 500, Deduct</i>	-0.85	
			<i>For &gt;500, Deduct</i>	-1.02	
05 05 23 00-0468	EA		5/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.91	
			<i>For &gt;100 To 250, Deduct</i>	-0.69	
			<i>For &gt;250 To 500, Deduct</i>	-0.87	
			<i>For &gt;500, Deduct</i>	-1.04	
05 05 23 00-0469	EA		5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.56	
			<i>For &gt;100 To 250, Deduct</i>	-0.69	
			<i>For &gt;250 To 500, Deduct</i>	-0.87	
			<i>For &gt;500, Deduct</i>	-1.04	
05 05 23 00-0470	EA		5/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.66	
			<i>For &gt;100 To 250, Deduct</i>	-0.69	
			<i>For &gt;250 To 500, Deduct</i>	-0.87	
			<i>For &gt;500, Deduct</i>	-1.04	
05 05 23 00-0471	EA		5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.92	
			<i>For &gt;100 To 250, Deduct</i>	-0.71	
			<i>For &gt;250 To 500, Deduct</i>	-0.88	
			<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0472	EA		5/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.81	
			<i>For &gt;100 To 250, Deduct</i>	-0.71	
			<i>For &gt;250 To 500, Deduct</i>	-0.88	
			<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0473	EA		5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.11	
			<i>For &gt;100 To 250, Deduct</i>	-0.71	
			<i>For &gt;250 To 500, Deduct</i>	-0.88	
			<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0474	EA		5/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.56	
			<i>For &gt;100 To 250, Deduct</i>	-0.71	
			<i>For &gt;250 To 500, Deduct</i>	-0.88	
			<i>For &gt;500, Deduct</i>	-1.06	
<b>05 05 23 00-0475</b>			<b>3/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> <small>(05 05 23 00-0347)</small>		
05 05 23 00-0476	EA		3/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.02	
			<i>For &gt;100 To 250, Deduct</i>	-0.64	
			<i>For &gt;250 To 500, Deduct</i>	-0.80	
			<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0477	EA		3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.15	
			<i>For &gt;100 To 250, Deduct</i>	-0.64	
			<i>For &gt;250 To 500, Deduct</i>	-0.80	
			<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0478	EA		3/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.22	
			<i>For &gt;100 To 250, Deduct</i>	-0.64	
			<i>For &gt;250 To 500, Deduct</i>	-0.80	
			<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0479	EA		3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.57	
			<i>For &gt;100 To 250, Deduct</i>	-0.65	
			<i>For &gt;250 To 500, Deduct</i>	-0.81	
			<i>For &gt;500, Deduct</i>	-0.98	
05 05 23 00-0480	EA		3/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.90	
			<i>For &gt;100 To 250, Deduct</i>	-0.65	
			<i>For &gt;250 To 500, Deduct</i>	-0.81	
			<i>For &gt;500, Deduct</i>	-0.98	
05 05 23 00-0481	EA		3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.41	
			<i>For &gt;100 To 250, Deduct</i>	-0.65	
			<i>For &gt;250 To 500, Deduct</i>	-0.81	
			<i>For &gt;500, Deduct</i>	-0.98	
05 05 23 00-0482	EA		3/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.82	
			<i>For &gt;100 To 250, Deduct</i>	-0.66	
			<i>For &gt;250 To 500, Deduct</i>	-0.83	
			<i>For &gt;500, Deduct</i>	-1.00	
05 05 23 00-0483	EA		3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.14	
			<i>For &gt;100 To 250, Deduct</i>	-0.66	
			<i>For &gt;250 To 500, Deduct</i>	-0.83	
			<i>For &gt;500, Deduct</i>	-1.00	
05 05 23 00-0484	EA		3/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.83	
			<i>For &gt;100 To 250, Deduct</i>	-0.66	
			<i>For &gt;250 To 500, Deduct</i>	-0.83	
			<i>For &gt;500, Deduct</i>	-1.00	
05 05 23 00-0485	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.21	
			<i>For &gt;100 To 250, Deduct</i>	-0.68	
			<i>For &gt;250 To 500, Deduct</i>	-0.85	
			<i>For &gt;500, Deduct</i>	-1.02	
05 05 23 00-0486	EA		3/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.77	
			<i>For &gt;100 To 250, Deduct</i>	-0.68	
			<i>For &gt;250 To 500, Deduct</i>	-0.85	
			<i>For &gt;500, Deduct</i>	-1.02	
05 05 23 00-0487	EA		3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.46	
			<i>For &gt;100 To 250, Deduct</i>	-0.68	
			<i>For &gt;250 To 500, Deduct</i>	-0.85	
			<i>For &gt;500, Deduct</i>	-1.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0488 EA 3/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.51	
<i>For &gt;100 To 250, Deduct</i>	-0.69	
<i>For &gt;250 To 500, Deduct</i>	-0.87	
<i>For &gt;500, Deduct</i>	-1.04	
05 05 23 00-0489 EA 3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.22	
<i>For &gt;100 To 250, Deduct</i>	-0.69	
<i>For &gt;250 To 500, Deduct</i>	-0.87	
<i>For &gt;500, Deduct</i>	-1.04	
05 05 23 00-0490 EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.63	
<i>For &gt;100 To 250, Deduct</i>	-0.69	
<i>For &gt;250 To 500, Deduct</i>	-0.87	
<i>For &gt;500, Deduct</i>	-1.04	
05 05 23 00-0491 EA 3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.77	
<i>For &gt;100 To 250, Deduct</i>	-0.71	
<i>For &gt;250 To 500, Deduct</i>	-0.88	
<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0492 EA 3/4" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.13	
<i>For &gt;100 To 250, Deduct</i>	-0.71	
<i>For &gt;250 To 500, Deduct</i>	-0.88	
<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0493 EA 3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.31	
<i>For &gt;100 To 250, Deduct</i>	-0.71	
<i>For &gt;250 To 500, Deduct</i>	-0.88	
<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0494 EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.60	
<i>For &gt;100 To 250, Deduct</i>	-0.71	
<i>For &gt;250 To 500, Deduct</i>	-0.88	
<i>For &gt;500, Deduct</i>	-1.06	
<b>05 05 23 00-0495 7/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> <small>(05 05 23 00-0347)</small> .....	<b>6.30</b>	
05 05 23 00-0496 EA 7/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.30	
<i>For &gt;100 To 250, Deduct</i>	-0.71	
<i>For &gt;250 To 500, Deduct</i>	-0.88	
<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0497 EA 7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.46	
<i>For &gt;100 To 250, Deduct</i>	-0.71	
<i>For &gt;250 To 500, Deduct</i>	-0.88	
<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0498 EA 7/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.69	
<i>For &gt;100 To 250, Deduct</i>	-0.71	
<i>For &gt;250 To 500, Deduct</i>	-0.88	
<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0499 EA 7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.99	
<i>For &gt;100 To 250, Deduct</i>	-0.72	
<i>For &gt;250 To 500, Deduct</i>	-0.90	
<i>For &gt;500, Deduct</i>	-1.08	
05 05 23 00-0500 EA 7/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.65	
<i>For &gt;100 To 250, Deduct</i>	-0.72	
<i>For &gt;250 To 500, Deduct</i>	-0.90	
<i>For &gt;500, Deduct</i>	-1.08	
05 05 23 00-0501 EA 7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.10	
<i>For &gt;100 To 250, Deduct</i>	-0.72	
<i>For &gt;250 To 500, Deduct</i>	-0.90	
<i>For &gt;500, Deduct</i>	-1.08	
05 05 23 00-0502 EA 7/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.50	
<i>For &gt;100 To 250, Deduct</i>	-0.74	
<i>For &gt;250 To 500, Deduct</i>	-0.92	
<i>For &gt;500, Deduct</i>	-1.10	
05 05 23 00-0503 EA 7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.29	
<i>For &gt;100 To 250, Deduct</i>	-0.74	
<i>For &gt;250 To 500, Deduct</i>	-0.92	
<i>For &gt;500, Deduct</i>	-1.10	
05 05 23 00-0504 EA 7/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.88	
<i>For &gt;100 To 250, Deduct</i>	-0.74	
<i>For &gt;250 To 500, Deduct</i>	-0.92	
<i>For &gt;500, Deduct</i>	-1.10	
05 05 23 00-0505 EA 7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.23	
<i>For &gt;100 To 250, Deduct</i>	-0.75	
<i>For &gt;250 To 500, Deduct</i>	-0.94	
<i>For &gt;500, Deduct</i>	-1.13	
05 05 23 00-0506 EA 7/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.73	
<i>For &gt;100 To 250, Deduct</i>	-0.75	
<i>For &gt;250 To 500, Deduct</i>	-0.94	
<i>For &gt;500, Deduct</i>	-1.13	
05 05 23 00-0507 EA 7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.85	
<i>For &gt;100 To 250, Deduct</i>	-0.75	
<i>For &gt;250 To 500, Deduct</i>	-0.94	
<i>For &gt;500, Deduct</i>	-1.13	
05 05 23 00-0508 EA 7/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.67	
<i>For &gt;100 To 250, Deduct</i>	-0.76	
<i>For &gt;250 To 500, Deduct</i>	-0.96	
<i>For &gt;500, Deduct</i>	-1.15	

## 05 Metals

## 05 05 Common Work Results For Metals

## 05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0509	EA		7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	14.60	
			<i>For &gt;100 To 250, Deduct</i>	-0.76	
			<i>For &gt;250 To 500, Deduct</i>	-0.96	
			<i>For &gt;500, Deduct</i>	-1.15	
05 05 23 00-0510	EA		7/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	14.66	
			<i>For &gt;100 To 250, Deduct</i>	-0.76	
			<i>For &gt;250 To 500, Deduct</i>	-0.96	
			<i>For &gt;500, Deduct</i>	-1.15	
05 05 23 00-0511	EA		7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	16.07	
			<i>For &gt;100 To 250, Deduct</i>	-0.78	
			<i>For &gt;250 To 500, Deduct</i>	-0.97	
			<i>For &gt;500, Deduct</i>	-1.17	
05 05 23 00-0512	EA		7/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	16.98	
			<i>For &gt;100 To 250, Deduct</i>	-0.78	
			<i>For &gt;250 To 500, Deduct</i>	-0.97	
			<i>For &gt;500, Deduct</i>	-1.17	
05 05 23 00-0513	EA		7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	17.76	
			<i>For &gt;100 To 250, Deduct</i>	-0.78	
			<i>For &gt;250 To 500, Deduct</i>	-0.97	
			<i>For &gt;500, Deduct</i>	-1.17	
05 05 23 00-0514	EA		7/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	18.53	
			<i>For &gt;100 To 250, Deduct</i>	-0.78	
			<i>For &gt;250 To 500, Deduct</i>	-0.97	
			<i>For &gt;500, Deduct</i>	-1.17	
05 05 23 00-0515			1" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0347)</small> .....		
05 05 23 00-0516	EA		1" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	7.79	
			<i>For &gt;100 To 250, Deduct</i>	-0.71	
			<i>For &gt;250 To 500, Deduct</i>	-0.88	
			<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0517	EA		1" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	7.84	
			<i>For &gt;100 To 250, Deduct</i>	-0.71	
			<i>For &gt;250 To 500, Deduct</i>	-0.88	
			<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0518	EA		1" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	8.41	
			<i>For &gt;100 To 250, Deduct</i>	-0.72	
			<i>For &gt;250 To 500, Deduct</i>	-0.90	
			<i>For &gt;500, Deduct</i>	-1.08	
05 05 23 00-0519	EA		1" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	9.06	
			<i>For &gt;100 To 250, Deduct</i>	-0.72	
			<i>For &gt;250 To 500, Deduct</i>	-0.90	
			<i>For &gt;500, Deduct</i>	-1.08	
05 05 23 00-0520	EA		1" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	9.53	
			<i>For &gt;100 To 250, Deduct</i>	-0.72	
			<i>For &gt;250 To 500, Deduct</i>	-0.90	
			<i>For &gt;500, Deduct</i>	-1.08	
05 05 23 00-0521	EA		1" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	10.20	
			<i>For &gt;100 To 250, Deduct</i>	-0.74	
			<i>For &gt;250 To 500, Deduct</i>	-0.92	
			<i>For &gt;500, Deduct</i>	-1.10	
05 05 23 00-0522	EA		1" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	10.96	
			<i>For &gt;100 To 250, Deduct</i>	-0.74	
			<i>For &gt;250 To 500, Deduct</i>	-0.92	
			<i>For &gt;500, Deduct</i>	-1.10	
05 05 23 00-0523	EA		1" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	12.06	
			<i>For &gt;100 To 250, Deduct</i>	-0.74	
			<i>For &gt;250 To 500, Deduct</i>	-0.92	
			<i>For &gt;500, Deduct</i>	-1.10	
05 05 23 00-0524	EA		1" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	12.92	
			<i>For &gt;100 To 250, Deduct</i>	-0.75	
			<i>For &gt;250 To 500, Deduct</i>	-0.94	
			<i>For &gt;500, Deduct</i>	-1.13	
05 05 23 00-0525	EA		1" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	13.15	
			<i>For &gt;100 To 250, Deduct</i>	-0.75	
			<i>For &gt;250 To 500, Deduct</i>	-0.94	
			<i>For &gt;500, Deduct</i>	-1.13	
05 05 23 00-0526	EA		1" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	14.68	
			<i>For &gt;100 To 250, Deduct</i>	-0.75	
			<i>For &gt;250 To 500, Deduct</i>	-0.94	
			<i>For &gt;500, Deduct</i>	-1.13	
05 05 23 00-0527	EA		1" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	15.74	
			<i>For &gt;100 To 250, Deduct</i>	-0.76	
			<i>For &gt;250 To 500, Deduct</i>	-0.96	
			<i>For &gt;500, Deduct</i>	-1.15	
05 05 23 00-0528	EA		1" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	17.37	
			<i>For &gt;100 To 250, Deduct</i>	-0.76	
			<i>For &gt;250 To 500, Deduct</i>	-0.96	
			<i>For &gt;500, Deduct</i>	-1.15	
05 05 23 00-0529	EA		1" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	17.84	
			<i>For &gt;100 To 250, Deduct</i>	-0.76	
			<i>For &gt;250 To 500, Deduct</i>	-0.96	
			<i>For &gt;500, Deduct</i>	-1.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0530 EA 1" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	23.14	
<i>For &gt;100 To 250, Deduct</i>	-0.78	
<i>For &gt;250 To 500, Deduct</i>	-0.97	
<i>For &gt;500, Deduct</i>	-1.17	
05 05 23 00-0531 EA 1" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	23.55	
<i>For &gt;100 To 250, Deduct</i>	-0.78	
<i>For &gt;250 To 500, Deduct</i>	-0.97	
<i>For &gt;500, Deduct</i>	-1.17	
05 05 23 00-0532 EA 1" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	24.67	
<i>For &gt;100 To 250, Deduct</i>	-0.78	
<i>For &gt;250 To 500, Deduct</i>	-0.97	
<i>For &gt;500, Deduct</i>	-1.17	
05 05 23 00-0533 EA 1" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	25.44	
<i>For &gt;100 To 250, Deduct</i>	-0.78	
<i>For &gt;250 To 500, Deduct</i>	-0.97	
<i>For &gt;500, Deduct</i>	-1.17	
 05 05 23 00-0534 Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0159)</small>		
05 05 23 00-0535 1/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0534)</small>		
05 05 23 00-0536 EA 1/4" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	2.62	
<i>For &gt;100 To 250, Deduct</i>	-0.49	
<i>For &gt;250 To 500, Deduct</i>	-0.62	
<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-0537 EA 1/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	2.69	
<i>For &gt;100 To 250, Deduct</i>	-0.49	
<i>For &gt;250 To 500, Deduct</i>	-0.62	
<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-0538 EA 1/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	2.73	
<i>For &gt;100 To 250, Deduct</i>	-0.49	
<i>For &gt;250 To 500, Deduct</i>	-0.62	
<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-0539 EA 1/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	2.82	
<i>For &gt;100 To 250, Deduct</i>	-0.49	
<i>For &gt;250 To 500, Deduct</i>	-0.62	
<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-0540 EA 1/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	2.94	
<i>For &gt;100 To 250, Deduct</i>	-0.51	
<i>For &gt;250 To 500, Deduct</i>	-0.64	
<i>For &gt;500, Deduct</i>	-0.76	
05 05 23 00-0541 EA 1/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	3.03	
<i>For &gt;100 To 250, Deduct</i>	-0.51	
<i>For &gt;250 To 500, Deduct</i>	-0.64	
<i>For &gt;500, Deduct</i>	-0.76	
05 05 23 00-0542 EA 1/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	3.12	
<i>For &gt;100 To 250, Deduct</i>	-0.51	
<i>For &gt;250 To 500, Deduct</i>	-0.64	
<i>For &gt;500, Deduct</i>	-0.76	
05 05 23 00-0543 EA 1/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	3.20	
<i>For &gt;100 To 250, Deduct</i>	-0.52	
<i>For &gt;250 To 500, Deduct</i>	-0.65	
<i>For &gt;500, Deduct</i>	-0.78	
05 05 23 00-0544 EA 1/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	3.45	
<i>For &gt;100 To 250, Deduct</i>	-0.52	
<i>For &gt;250 To 500, Deduct</i>	-0.65	
<i>For &gt;500, Deduct</i>	-0.78	
05 05 23 00-0545 EA 1/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	3.69	
<i>For &gt;100 To 250, Deduct</i>	-0.52	
<i>For &gt;250 To 500, Deduct</i>	-0.65	
<i>For &gt;500, Deduct</i>	-0.78	
05 05 23 00-0546 EA 1/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	3.88	
<i>For &gt;100 To 250, Deduct</i>	-0.54	
<i>For &gt;250 To 500, Deduct</i>	-0.67	
<i>For &gt;500, Deduct</i>	-0.80	
05 05 23 00-0547 EA 1/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.01	
<i>For &gt;100 To 250, Deduct</i>	-0.54	
<i>For &gt;250 To 500, Deduct</i>	-0.67	
<i>For &gt;500, Deduct</i>	-0.80	
05 05 23 00-0548 EA 1/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	4.17	
<i>For &gt;100 To 250, Deduct</i>	-0.54	
<i>For &gt;250 To 500, Deduct</i>	-0.67	
<i>For &gt;500, Deduct</i>	-0.80	
05 05 23 00-0549 EA 1/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.36	
<i>For &gt;100 To 250, Deduct</i>	-0.55	
<i>For &gt;250 To 500, Deduct</i>	-0.69	
<i>For &gt;500, Deduct</i>	-0.83	
05 05 23 00-0550 EA 1/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	4.68	
<i>For &gt;100 To 250, Deduct</i>	-0.55	
<i>For &gt;250 To 500, Deduct</i>	-0.69	
<i>For &gt;500, Deduct</i>	-0.83	
05 05 23 00-0551 EA 1/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.82	
<i>For &gt;100 To 250, Deduct</i>	-0.55	
<i>For &gt;250 To 500, Deduct</i>	-0.69	
<i>For &gt;500, Deduct</i>	-0.83	



**05 Metals****05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0552	5/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0534)</small>		
05 05 23 00-0553	EA 5/16" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	2.68	
	For >100 To 250, Deduct	-0.49	
	For >250 To 500, Deduct	-0.62	
	For >500, Deduct	-0.74	
05 05 23 00-0554	EA 5/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	2.73	
	For >100 To 250, Deduct	-0.49	
	For >250 To 500, Deduct	-0.62	
	For >500, Deduct	-0.74	
05 05 23 00-0555	EA 5/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	2.88	
	For >100 To 250, Deduct	-0.49	
	For >250 To 500, Deduct	-0.62	
	For >500, Deduct	-0.74	
05 05 23 00-0556	EA 5/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	2.91	
	For >100 To 250, Deduct	-0.49	
	For >250 To 500, Deduct	-0.62	
	For >500, Deduct	-0.74	
05 05 23 00-0557	EA 5/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	3.07	
	For >100 To 250, Deduct	-0.51	
	For >250 To 500, Deduct	-0.64	
	For >500, Deduct	-0.76	
05 05 23 00-0558	EA 5/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	3.29	
	For >100 To 250, Deduct	-0.51	
	For >250 To 500, Deduct	-0.64	
	For >500, Deduct	-0.76	
05 05 23 00-0559	EA 5/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	3.36	
	For >100 To 250, Deduct	-0.51	
	For >250 To 500, Deduct	-0.64	
	For >500, Deduct	-0.76	
05 05 23 00-0560	EA 5/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	3.56	
	For >100 To 250, Deduct	-0.52	
	For >250 To 500, Deduct	-0.65	
	For >500, Deduct	-0.78	
05 05 23 00-0561	EA 5/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	3.70	
	For >100 To 250, Deduct	-0.52	
	For >250 To 500, Deduct	-0.65	
	For >500, Deduct	-0.78	
05 05 23 00-0562	EA 5/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.02	
	For >100 To 250, Deduct	-0.52	
	For >250 To 500, Deduct	-0.65	
	For >500, Deduct	-0.78	
05 05 23 00-0563	EA 5/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.28	
	For >100 To 250, Deduct	-0.54	
	For >250 To 500, Deduct	-0.67	
	For >500, Deduct	-0.80	
05 05 23 00-0564	EA 5/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.40	
	For >100 To 250, Deduct	-0.54	
	For >250 To 500, Deduct	-0.67	
	For >500, Deduct	-0.80	
05 05 23 00-0565	EA 5/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.60	
	For >100 To 250, Deduct	-0.54	
	For >250 To 500, Deduct	-0.67	
	For >500, Deduct	-0.80	
05 05 23 00-0566	EA 5/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.81	
	For >100 To 250, Deduct	-0.55	
	For >250 To 500, Deduct	-0.69	
	For >500, Deduct	-0.83	
05 05 23 00-0567	EA 5/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.95	
	For >100 To 250, Deduct	-0.55	
	For >250 To 500, Deduct	-0.69	
	For >500, Deduct	-0.83	
05 05 23 00-0568	EA 5/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.22	
	For >100 To 250, Deduct	-0.55	
	For >250 To 500, Deduct	-0.69	
	For >500, Deduct	-0.83	
05 05 23 00-0569	3/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0534)</small>		
05 05 23 00-0570	EA 3/8" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	2.85	
	For >100 To 250, Deduct	-0.49	
	For >250 To 500, Deduct	-0.62	
	For >500, Deduct	-0.74	
05 05 23 00-0571	EA 3/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	2.86	
	For >100 To 250, Deduct	-0.49	
	For >250 To 500, Deduct	-0.62	
	For >500, Deduct	-0.74	
05 05 23 00-0572	EA 3/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	2.87	
	For >100 To 250, Deduct	-0.49	
	For >250 To 500, Deduct	-0.62	
	For >500, Deduct	-0.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0573 EA 3/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	3.05	
<i>For &gt;100 To 250, Deduct</i>	-0.49	
<i>For &gt;250 To 500, Deduct</i>	-0.62	
<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-0574 EA 3/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	3.22	
<i>For &gt;100 To 250, Deduct</i>	-0.51	
<i>For &gt;250 To 500, Deduct</i>	-0.64	
<i>For &gt;500, Deduct</i>	-0.76	
05 05 23 00-0575 EA 3/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	3.40	
<i>For &gt;100 To 250, Deduct</i>	-0.51	
<i>For &gt;250 To 500, Deduct</i>	-0.64	
<i>For &gt;500, Deduct</i>	-0.76	
05 05 23 00-0576 EA 3/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	3.56	
<i>For &gt;100 To 250, Deduct</i>	-0.51	
<i>For &gt;250 To 500, Deduct</i>	-0.64	
<i>For &gt;500, Deduct</i>	-0.76	
05 05 23 00-0577 EA 3/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.13	
<i>For &gt;100 To 250, Deduct</i>	-0.52	
<i>For &gt;250 To 500, Deduct</i>	-0.65	
<i>For &gt;500, Deduct</i>	-0.78	
05 05 23 00-0578 EA 3/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	4.33	
<i>For &gt;100 To 250, Deduct</i>	-0.52	
<i>For &gt;250 To 500, Deduct</i>	-0.65	
<i>For &gt;500, Deduct</i>	-0.78	
05 05 23 00-0579 EA 3/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.37	
<i>For &gt;100 To 250, Deduct</i>	-0.52	
<i>For &gt;250 To 500, Deduct</i>	-0.65	
<i>For &gt;500, Deduct</i>	-0.78	
05 05 23 00-0580 EA 3/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	4.53	
<i>For &gt;100 To 250, Deduct</i>	-0.54	
<i>For &gt;250 To 500, Deduct</i>	-0.67	
<i>For &gt;500, Deduct</i>	-0.80	
05 05 23 00-0581 EA 3/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.75	
<i>For &gt;100 To 250, Deduct</i>	-0.54	
<i>For &gt;250 To 500, Deduct</i>	-0.67	
<i>For &gt;500, Deduct</i>	-0.80	
05 05 23 00-0582 EA 3/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	5.74	
<i>For &gt;100 To 250, Deduct</i>	-0.54	
<i>For &gt;250 To 500, Deduct</i>	-0.67	
<i>For &gt;500, Deduct</i>	-0.80	
05 05 23 00-0583 EA 3/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.05	
<i>For &gt;100 To 250, Deduct</i>	-0.55	
<i>For &gt;250 To 500, Deduct</i>	-0.69	
<i>For &gt;500, Deduct</i>	-0.83	
05 05 23 00-0584 EA 3/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	6.49	
<i>For &gt;100 To 250, Deduct</i>	-0.55	
<i>For &gt;250 To 500, Deduct</i>	-0.69	
<i>For &gt;500, Deduct</i>	-0.83	
05 05 23 00-0585 EA 3/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.53	
<i>For &gt;100 To 250, Deduct</i>	-0.55	
<i>For &gt;250 To 500, Deduct</i>	-0.69	
<i>For &gt;500, Deduct</i>	-0.83	
<b>05 05 23 00-0586 7/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts</b> <small>(05 05 23 00-0534)</small>		
05 05 23 00-0587 EA 7/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	3.38	
<i>For &gt;100 To 250, Deduct</i>	-0.57	
<i>For &gt;250 To 500, Deduct</i>	-0.71	
<i>For &gt;500, Deduct</i>	-0.85	
05 05 23 00-0588 EA 7/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	3.40	
<i>For &gt;100 To 250, Deduct</i>	-0.57	
<i>For &gt;250 To 500, Deduct</i>	-0.71	
<i>For &gt;500, Deduct</i>	-0.85	
05 05 23 00-0589 EA 7/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	3.68	
<i>For &gt;100 To 250, Deduct</i>	-0.57	
<i>For &gt;250 To 500, Deduct</i>	-0.71	
<i>For &gt;500, Deduct</i>	-0.85	
05 05 23 00-0590 EA 7/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	3.78	
<i>For &gt;100 To 250, Deduct</i>	-0.58	
<i>For &gt;250 To 500, Deduct</i>	-0.73	
<i>For &gt;500, Deduct</i>	-0.87	
05 05 23 00-0591 EA 7/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.09	
<i>For &gt;100 To 250, Deduct</i>	-0.58	
<i>For &gt;250 To 500, Deduct</i>	-0.73	
<i>For &gt;500, Deduct</i>	-0.87	
05 05 23 00-0592 EA 7/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	4.26	
<i>For &gt;100 To 250, Deduct</i>	-0.58	
<i>For &gt;250 To 500, Deduct</i>	-0.73	
<i>For &gt;500, Deduct</i>	-0.87	
05 05 23 00-0593 EA 7/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.36	
<i>For &gt;100 To 250, Deduct</i>	-0.59	
<i>For &gt;250 To 500, Deduct</i>	-0.74	
<i>For &gt;500, Deduct</i>	-0.89	

**05 Metals****05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0594	EA		7/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.06	
			<i>For &gt;100 To 250, Deduct</i>	-0.59	
			<i>For &gt;250 To 500, Deduct</i>	-0.74	
			<i>For &gt;500, Deduct</i>	-0.89	
05 05 23 00-0595	EA		7/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.60	
			<i>For &gt;100 To 250, Deduct</i>	-0.59	
			<i>For &gt;250 To 500, Deduct</i>	-0.74	
			<i>For &gt;500, Deduct</i>	-0.89	
05 05 23 00-0596	EA		7/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.03	
			<i>For &gt;100 To 250, Deduct</i>	-0.61	
			<i>For &gt;250 To 500, Deduct</i>	-0.76	
			<i>For &gt;500, Deduct</i>	-0.91	
05 05 23 00-0597	EA		7/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.23	
			<i>For &gt;100 To 250, Deduct</i>	-0.61	
			<i>For &gt;250 To 500, Deduct</i>	-0.76	
			<i>For &gt;500, Deduct</i>	-0.91	
05 05 23 00-0598	EA		7/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.51	
			<i>For &gt;100 To 250, Deduct</i>	-0.61	
			<i>For &gt;250 To 500, Deduct</i>	-0.76	
			<i>For &gt;500, Deduct</i>	-0.91	
05 05 23 00-0599	EA		7/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.00	
			<i>For &gt;100 To 250, Deduct</i>	-0.62	
			<i>For &gt;250 To 500, Deduct</i>	-0.78	
			<i>For &gt;500, Deduct</i>	-0.93	
05 05 23 00-0600	EA		7/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.92	
			<i>For &gt;100 To 250, Deduct</i>	-0.62	
			<i>For &gt;250 To 500, Deduct</i>	-0.78	
			<i>For &gt;500, Deduct</i>	-0.93	
05 05 23 00-0601	EA		7/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.99	
			<i>For &gt;100 To 250, Deduct</i>	-0.62	
			<i>For &gt;250 To 500, Deduct</i>	-0.78	
			<i>For &gt;500, Deduct</i>	-0.93	
<b>05 05 23 00-0602</b>			<b>1/2" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts</b> <small>(05 05 23 00-0534)</small>		
05 05 23 00-0603	EA		1/2" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	3.56	
			<i>For &gt;100 To 250, Deduct</i>	-0.57	
			<i>For &gt;250 To 500, Deduct</i>	-0.71	
			<i>For &gt;500, Deduct</i>	-0.85	
05 05 23 00-0604	EA		1/2" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	3.76	
			<i>For &gt;100 To 250, Deduct</i>	-0.57	
			<i>For &gt;250 To 500, Deduct</i>	-0.71	
			<i>For &gt;500, Deduct</i>	-0.85	
05 05 23 00-0605	EA		1/2" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	3.89	
			<i>For &gt;100 To 250, Deduct</i>	-0.57	
			<i>For &gt;250 To 500, Deduct</i>	-0.71	
			<i>For &gt;500, Deduct</i>	-0.85	
05 05 23 00-0606	EA		1/2" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.09	
			<i>For &gt;100 To 250, Deduct</i>	-0.58	
			<i>For &gt;250 To 500, Deduct</i>	-0.73	
			<i>For &gt;500, Deduct</i>	-0.87	
05 05 23 00-0607	EA		1/2" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.31	
			<i>For &gt;100 To 250, Deduct</i>	-0.58	
			<i>For &gt;250 To 500, Deduct</i>	-0.73	
			<i>For &gt;500, Deduct</i>	-0.87	
05 05 23 00-0608	EA		1/2" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.82	
			<i>For &gt;100 To 250, Deduct</i>	-0.58	
			<i>For &gt;250 To 500, Deduct</i>	-0.73	
			<i>For &gt;500, Deduct</i>	-0.87	
05 05 23 00-0609	EA		1/2" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.24	
			<i>For &gt;100 To 250, Deduct</i>	-0.59	
			<i>For &gt;250 To 500, Deduct</i>	-0.74	
			<i>For &gt;500, Deduct</i>	-0.89	
05 05 23 00-0610	EA		1/2" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.53	
			<i>For &gt;100 To 250, Deduct</i>	-0.59	
			<i>For &gt;250 To 500, Deduct</i>	-0.74	
			<i>For &gt;500, Deduct</i>	-0.89	
05 05 23 00-0611	EA		1/2" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.74	
			<i>For &gt;100 To 250, Deduct</i>	-0.59	
			<i>For &gt;250 To 500, Deduct</i>	-0.74	
			<i>For &gt;500, Deduct</i>	-0.89	
05 05 23 00-0612	EA		1/2" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.18	
			<i>For &gt;100 To 250, Deduct</i>	-0.61	
			<i>For &gt;250 To 500, Deduct</i>	-0.76	
			<i>For &gt;500, Deduct</i>	-0.91	
05 05 23 00-0613	EA		1/2" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.81	
			<i>For &gt;100 To 250, Deduct</i>	-0.61	
			<i>For &gt;250 To 500, Deduct</i>	-0.76	
			<i>For &gt;500, Deduct</i>	-0.91	
05 05 23 00-0614	EA		1/2" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.40	
			<i>For &gt;100 To 250, Deduct</i>	-0.61	
			<i>For &gt;250 To 500, Deduct</i>	-0.76	
			<i>For &gt;500, Deduct</i>	-0.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0615 EA 1/2" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.97	
<i>For &gt;100 To 250, Deduct</i>	-0.62	
<i>For &gt;250 To 500, Deduct</i>	-0.78	
<i>For &gt;500, Deduct</i>	-0.93	
05 05 23 00-0616 EA 1/2" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	8.23	
<i>For &gt;100 To 250, Deduct</i>	-0.62	
<i>For &gt;250 To 500, Deduct</i>	-0.78	
<i>For &gt;500, Deduct</i>	-0.93	
05 05 23 00-0617 EA 1/2" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.96	
<i>For &gt;100 To 250, Deduct</i>	-0.62	
<i>For &gt;250 To 500, Deduct</i>	-0.78	
<i>For &gt;500, Deduct</i>	-0.93	
05 05 23 00-0618 EA 1/2" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	10.24	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0619 EA 1/2" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.76	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0620 EA 1/2" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	11.04	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0621 EA 1/2" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.34	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
<b>05 05 23 00-0622 9/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts</b> <small>(05 05 23 00-0634)</small>		
05 05 23 00-0623 EA 9/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	3.75	
<i>For &gt;100 To 250, Deduct</i>	-0.57	
<i>For &gt;250 To 500, Deduct</i>	-0.71	
<i>For &gt;500, Deduct</i>	-0.85	
05 05 23 00-0624 EA 9/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	3.87	
<i>For &gt;100 To 250, Deduct</i>	-0.57	
<i>For &gt;250 To 500, Deduct</i>	-0.71	
<i>For &gt;500, Deduct</i>	-0.85	
05 05 23 00-0625 EA 9/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.15	
<i>For &gt;100 To 250, Deduct</i>	-0.57	
<i>For &gt;250 To 500, Deduct</i>	-0.71	
<i>For &gt;500, Deduct</i>	-0.85	
05 05 23 00-0626 EA 9/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	4.63	
<i>For &gt;100 To 250, Deduct</i>	-0.58	
<i>For &gt;250 To 500, Deduct</i>	-0.73	
<i>For &gt;500, Deduct</i>	-0.87	
05 05 23 00-0627 EA 9/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.74	
<i>For &gt;100 To 250, Deduct</i>	-0.58	
<i>For &gt;250 To 500, Deduct</i>	-0.73	
<i>For &gt;500, Deduct</i>	-0.87	
05 05 23 00-0628 EA 9/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	5.15	
<i>For &gt;100 To 250, Deduct</i>	-0.58	
<i>For &gt;250 To 500, Deduct</i>	-0.73	
<i>For &gt;500, Deduct</i>	-0.87	
05 05 23 00-0629 EA 9/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.49	
<i>For &gt;100 To 250, Deduct</i>	-0.59	
<i>For &gt;250 To 500, Deduct</i>	-0.74	
<i>For &gt;500, Deduct</i>	-0.89	
05 05 23 00-0630 EA 9/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	6.84	
<i>For &gt;100 To 250, Deduct</i>	-0.59	
<i>For &gt;250 To 500, Deduct</i>	-0.74	
<i>For &gt;500, Deduct</i>	-0.89	
05 05 23 00-0631 EA 9/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.10	
<i>For &gt;100 To 250, Deduct</i>	-0.59	
<i>For &gt;250 To 500, Deduct</i>	-0.74	
<i>For &gt;500, Deduct</i>	-0.89	
05 05 23 00-0632 EA 9/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	7.39	
<i>For &gt;100 To 250, Deduct</i>	-0.61	
<i>For &gt;250 To 500, Deduct</i>	-0.76	
<i>For &gt;500, Deduct</i>	-0.91	
05 05 23 00-0633 EA 9/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.97	
<i>For &gt;100 To 250, Deduct</i>	-0.61	
<i>For &gt;250 To 500, Deduct</i>	-0.76	
<i>For &gt;500, Deduct</i>	-0.91	
05 05 23 00-0634 EA 9/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	10.18	
<i>For &gt;100 To 250, Deduct</i>	-0.61	
<i>For &gt;250 To 500, Deduct</i>	-0.76	
<i>For &gt;500, Deduct</i>	-0.91	
05 05 23 00-0635 EA 9/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.84	
<i>For &gt;100 To 250, Deduct</i>	-0.62	
<i>For &gt;250 To 500, Deduct</i>	-0.78	
<i>For &gt;500, Deduct</i>	-0.93	

**05 Metals****05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0636	EA		9/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.04	
			<i>For &gt;100 To 250, Deduct</i>	-0.62	
			<i>For &gt;250 To 500, Deduct</i>	-0.78	
			<i>For &gt;500, Deduct</i>	-0.93	
05 05 23 00-0637	EA		9/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.52	
			<i>For &gt;100 To 250, Deduct</i>	-0.62	
			<i>For &gt;250 To 500, Deduct</i>	-0.78	
			<i>For &gt;500, Deduct</i>	-0.93	
<b>05 05 23 00-0638</b>			<b>5/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts</b> <small>(05 05 23 00-0534)</small>		
05 05 23 00-0639	EA		5/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.53	
			<i>For &gt;100 To 250, Deduct</i>	-0.64	
			<i>For &gt;250 To 500, Deduct</i>	-0.80	
			<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0640	EA		5/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.65	
			<i>For &gt;100 To 250, Deduct</i>	-0.64	
			<i>For &gt;250 To 500, Deduct</i>	-0.80	
			<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0641	EA		5/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	4.96	
			<i>For &gt;100 To 250, Deduct</i>	-0.64	
			<i>For &gt;250 To 500, Deduct</i>	-0.80	
			<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0642	EA		5/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.49	
			<i>For &gt;100 To 250, Deduct</i>	-0.65	
			<i>For &gt;250 To 500, Deduct</i>	-0.81	
			<i>For &gt;500, Deduct</i>	-0.98	
05 05 23 00-0643	EA		5/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.86	
			<i>For &gt;100 To 250, Deduct</i>	-0.65	
			<i>For &gt;250 To 500, Deduct</i>	-0.81	
			<i>For &gt;500, Deduct</i>	-0.98	
05 05 23 00-0644	EA		5/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.06	
			<i>For &gt;100 To 250, Deduct</i>	-0.65	
			<i>For &gt;250 To 500, Deduct</i>	-0.81	
			<i>For &gt;500, Deduct</i>	-0.98	
05 05 23 00-0645	EA		5/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.27	
			<i>For &gt;100 To 250, Deduct</i>	-0.66	
			<i>For &gt;250 To 500, Deduct</i>	-0.83	
			<i>For &gt;500, Deduct</i>	-1.00	
05 05 23 00-0646	EA		5/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.94	
			<i>For &gt;100 To 250, Deduct</i>	-0.66	
			<i>For &gt;250 To 500, Deduct</i>	-0.83	
			<i>For &gt;500, Deduct</i>	-1.00	
05 05 23 00-0647	EA		5/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.23	
			<i>For &gt;100 To 250, Deduct</i>	-0.66	
			<i>For &gt;250 To 500, Deduct</i>	-0.83	
			<i>For &gt;500, Deduct</i>	-1.00	
05 05 23 00-0648	EA		5/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.62	
			<i>For &gt;100 To 250, Deduct</i>	-0.68	
			<i>For &gt;250 To 500, Deduct</i>	-0.85	
			<i>For &gt;500, Deduct</i>	-1.02	
05 05 23 00-0649	EA		5/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.93	
			<i>For &gt;100 To 250, Deduct</i>	-0.68	
			<i>For &gt;250 To 500, Deduct</i>	-0.85	
			<i>For &gt;500, Deduct</i>	-1.02	
05 05 23 00-0650	EA		5/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.58	
			<i>For &gt;100 To 250, Deduct</i>	-0.68	
			<i>For &gt;250 To 500, Deduct</i>	-0.85	
			<i>For &gt;500, Deduct</i>	-1.02	
05 05 23 00-0651	EA		5/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.21	
			<i>For &gt;100 To 250, Deduct</i>	-0.69	
			<i>For &gt;250 To 500, Deduct</i>	-0.87	
			<i>For &gt;500, Deduct</i>	-1.04	
05 05 23 00-0652	EA		5/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.95	
			<i>For &gt;100 To 250, Deduct</i>	-0.69	
			<i>For &gt;250 To 500, Deduct</i>	-0.87	
			<i>For &gt;500, Deduct</i>	-1.04	
05 05 23 00-0653	EA		5/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.26	
			<i>For &gt;100 To 250, Deduct</i>	-0.69	
			<i>For &gt;250 To 500, Deduct</i>	-0.87	
			<i>For &gt;500, Deduct</i>	-1.04	
05 05 23 00-0654	EA		5/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.66	
			<i>For &gt;100 To 250, Deduct</i>	-0.71	
			<i>For &gt;250 To 500, Deduct</i>	-0.88	
			<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0655	EA		5/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.12	
			<i>For &gt;100 To 250, Deduct</i>	-0.71	
			<i>For &gt;250 To 500, Deduct</i>	-0.88	
			<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0656	EA		5/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.23	
			<i>For &gt;100 To 250, Deduct</i>	-0.71	
			<i>For &gt;250 To 500, Deduct</i>	-0.88	
			<i>For &gt;500, Deduct</i>	-1.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0657 EA 5/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.59	
<i>For &gt;100 To 250, Deduct</i>	-0.71	
<i>For &gt;250 To 500, Deduct</i>	-0.88	
<i>For &gt;500, Deduct</i>	-1.06	
<b>05 05 23 00-0658 3/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts</b> <small>(05 05 23 00-0534)</small>		
05 05 23 00-0659 EA 3/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.23	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0660 EA 3/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	5.36	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0661 EA 3/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.45	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0662 EA 3/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	5.71	
<i>For &gt;100 To 250, Deduct</i>	-0.65	
<i>For &gt;250 To 500, Deduct</i>	-0.81	
<i>For &gt;500, Deduct</i>	-0.98	
05 05 23 00-0663 EA 3/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.98	
<i>For &gt;100 To 250, Deduct</i>	-0.65	
<i>For &gt;250 To 500, Deduct</i>	-0.81	
<i>For &gt;500, Deduct</i>	-0.98	
05 05 23 00-0664 EA 3/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	6.78	
<i>For &gt;100 To 250, Deduct</i>	-0.65	
<i>For &gt;250 To 500, Deduct</i>	-0.81	
<i>For &gt;500, Deduct</i>	-0.98	
05 05 23 00-0665 EA 3/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.18	
<i>For &gt;100 To 250, Deduct</i>	-0.66	
<i>For &gt;250 To 500, Deduct</i>	-0.83	
<i>For &gt;500, Deduct</i>	-1.00	
05 05 23 00-0666 EA 3/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	7.25	
<i>For &gt;100 To 250, Deduct</i>	-0.66	
<i>For &gt;250 To 500, Deduct</i>	-0.83	
<i>For &gt;500, Deduct</i>	-1.00	
05 05 23 00-0667 EA 3/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.33	
<i>For &gt;100 To 250, Deduct</i>	-0.66	
<i>For &gt;250 To 500, Deduct</i>	-0.83	
<i>For &gt;500, Deduct</i>	-1.00	
05 05 23 00-0668 EA 3/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	8.79	
<i>For &gt;100 To 250, Deduct</i>	-0.68	
<i>For &gt;250 To 500, Deduct</i>	-0.85	
<i>For &gt;500, Deduct</i>	-1.02	
05 05 23 00-0669 EA 3/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.36	
<i>For &gt;100 To 250, Deduct</i>	-0.68	
<i>For &gt;250 To 500, Deduct</i>	-0.85	
<i>For &gt;500, Deduct</i>	-1.02	
05 05 23 00-0670 EA 3/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	10.42	
<i>For &gt;100 To 250, Deduct</i>	-0.68	
<i>For &gt;250 To 500, Deduct</i>	-0.85	
<i>For &gt;500, Deduct</i>	-1.02	
05 05 23 00-0671 EA 3/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.78	
<i>For &gt;100 To 250, Deduct</i>	-0.69	
<i>For &gt;250 To 500, Deduct</i>	-0.87	
<i>For &gt;500, Deduct</i>	-1.04	
05 05 23 00-0672 EA 3/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	12.34	
<i>For &gt;100 To 250, Deduct</i>	-0.69	
<i>For &gt;250 To 500, Deduct</i>	-0.87	
<i>For &gt;500, Deduct</i>	-1.04	
05 05 23 00-0673 EA 3/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.64	
<i>For &gt;100 To 250, Deduct</i>	-0.69	
<i>For &gt;250 To 500, Deduct</i>	-0.87	
<i>For &gt;500, Deduct</i>	-1.04	
05 05 23 00-0674 EA 3/4" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	14.10	
<i>For &gt;100 To 250, Deduct</i>	-0.71	
<i>For &gt;250 To 500, Deduct</i>	-0.88	
<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0675 EA 3/4" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.13	
<i>For &gt;100 To 250, Deduct</i>	-0.71	
<i>For &gt;250 To 500, Deduct</i>	-0.88	
<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0676 EA 3/4" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	15.86	
<i>For &gt;100 To 250, Deduct</i>	-0.71	
<i>For &gt;250 To 500, Deduct</i>	-0.88	
<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0677 EA 3/4" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.13	
<i>For &gt;100 To 250, Deduct</i>	-0.71	
<i>For &gt;250 To 500, Deduct</i>	-0.88	
<i>For &gt;500, Deduct</i>	-1.06	

## 05 Metals

## 05 05 Common Work Results For Metals

## 05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0678			7/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0534)		
05 05 23 00-0679	EA		7/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.49	
			For >100 To 250, Deduct	-0.71	
			For >250 To 500, Deduct	-0.88	
			For >500, Deduct	-1.06	
05 05 23 00-0680	EA		7/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.85	
			For >100 To 250, Deduct	-0.71	
			For >250 To 500, Deduct	-0.88	
			For >500, Deduct	-1.06	
05 05 23 00-0681	EA		7/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.44	
			For >100 To 250, Deduct	-0.72	
			For >250 To 500, Deduct	-0.90	
			For >500, Deduct	-1.08	
05 05 23 00-0682	EA		7/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.49	
			For >100 To 250, Deduct	-0.72	
			For >250 To 500, Deduct	-0.90	
			For >500, Deduct	-1.08	
05 05 23 00-0683	EA		7/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.61	
			For >100 To 250, Deduct	-0.72	
			For >250 To 500, Deduct	-0.90	
			For >500, Deduct	-1.08	
05 05 23 00-0684	EA		7/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.90	
			For >100 To 250, Deduct	-0.74	
			For >250 To 500, Deduct	-0.92	
			For >500, Deduct	-1.10	
05 05 23 00-0685	EA		7/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.43	
			For >100 To 250, Deduct	-0.74	
			For >250 To 500, Deduct	-0.92	
			For >500, Deduct	-1.10	
05 05 23 00-0686	EA		7/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.08	
			For >100 To 250, Deduct	-0.74	
			For >250 To 500, Deduct	-0.92	
			For >500, Deduct	-1.10	
05 05 23 00-0687	EA		7/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.65	
			For >100 To 250, Deduct	-0.75	
			For >250 To 500, Deduct	-0.94	
			For >500, Deduct	-1.13	
05 05 23 00-0688	EA		7/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.60	
			For >100 To 250, Deduct	-0.75	
			For >250 To 500, Deduct	-0.94	
			For >500, Deduct	-1.13	
05 05 23 00-0689	EA		7/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.05	
			For >100 To 250, Deduct	-0.75	
			For >250 To 500, Deduct	-0.94	
			For >500, Deduct	-1.13	
05 05 23 00-0690	EA		7/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.94	
			For >100 To 250, Deduct	-0.76	
			For >250 To 500, Deduct	-0.96	
			For >500, Deduct	-1.15	
05 05 23 00-0691	EA		7/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.46	
			For >100 To 250, Deduct	-0.76	
			For >250 To 500, Deduct	-0.96	
			For >500, Deduct	-1.15	
05 05 23 00-0692	EA		7/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.47	
			For >100 To 250, Deduct	-0.76	
			For >250 To 500, Deduct	-0.96	
			For >500, Deduct	-1.15	
05 05 23 00-0693	EA		7/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.36	
			For >100 To 250, Deduct	-0.78	
			For >250 To 500, Deduct	-0.97	
			For >500, Deduct	-1.17	
05 05 23 00-0694	EA		7/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.65	
			For >100 To 250, Deduct	-0.78	
			For >250 To 500, Deduct	-0.97	
			For >500, Deduct	-1.17	
05 05 23 00-0695	EA		7/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.91	
			For >100 To 250, Deduct	-0.78	
			For >250 To 500, Deduct	-0.97	
			For >500, Deduct	-1.17	
05 05 23 00-0696	EA		7/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	24.51	
			For >100 To 250, Deduct	-0.78	
			For >250 To 500, Deduct	-0.97	
			For >500, Deduct	-1.17	
05 05 23 00-0697			1" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0534)		
05 05 23 00-0698	EA		1" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.49	
			For >100 To 250, Deduct	-0.71	
			For >250 To 500, Deduct	-0.88	
			For >500, Deduct	-1.06	
05 05 23 00-0699	EA		1" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.37	
			For >100 To 250, Deduct	-0.71	
			For >250 To 500, Deduct	-0.88	
			For >500, Deduct	-1.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0700 EA 1" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....9.83 <i>For &gt;100 To 250, Deduct</i> -0.72 <i>For &gt;250 To 500, Deduct</i> -0.90 <i>For &gt;500, Deduct</i> -1.08		
05 05 23 00-0701 EA 1" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....10.49 <i>For &gt;100 To 250, Deduct</i> -0.72 <i>For &gt;250 To 500, Deduct</i> -0.90 <i>For &gt;500, Deduct</i> -1.08		
05 05 23 00-0702 EA 1" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....11.72 <i>For &gt;100 To 250, Deduct</i> -0.72 <i>For &gt;250 To 500, Deduct</i> -0.90 <i>For &gt;500, Deduct</i> -1.08		
05 05 23 00-0703 EA 1" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....12.11 <i>For &gt;100 To 250, Deduct</i> -0.74 <i>For &gt;250 To 500, Deduct</i> -0.92 <i>For &gt;500, Deduct</i> -1.10		
05 05 23 00-0704 EA 1" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....13.17 <i>For &gt;100 To 250, Deduct</i> -0.74 <i>For &gt;250 To 500, Deduct</i> -0.92 <i>For &gt;500, Deduct</i> -1.10		
05 05 23 00-0705 EA 1" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....14.58 <i>For &gt;100 To 250, Deduct</i> -0.74 <i>For &gt;250 To 500, Deduct</i> -0.92 <i>For &gt;500, Deduct</i> -1.10		
05 05 23 00-0706 EA 1" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....15.32 <i>For &gt;100 To 250, Deduct</i> -0.75 <i>For &gt;250 To 500, Deduct</i> -0.94 <i>For &gt;500, Deduct</i> -1.13		
05 05 23 00-0707 EA 1" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....15.91 <i>For &gt;100 To 250, Deduct</i> -0.75 <i>For &gt;250 To 500, Deduct</i> -0.94 <i>For &gt;500, Deduct</i> -1.13		
05 05 23 00-0708 EA 1" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....18.87 <i>For &gt;100 To 250, Deduct</i> -0.75 <i>For &gt;250 To 500, Deduct</i> -0.94 <i>For &gt;500, Deduct</i> -1.13		
05 05 23 00-0709 EA 1" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....19.39 <i>For &gt;100 To 250, Deduct</i> -0.76 <i>For &gt;250 To 500, Deduct</i> -0.96 <i>For &gt;500, Deduct</i> -1.15		
05 05 23 00-0710 EA 1" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....22.73 <i>For &gt;100 To 250, Deduct</i> -0.76 <i>For &gt;250 To 500, Deduct</i> -0.96 <i>For &gt;500, Deduct</i> -1.15		
05 05 23 00-0711 EA 1" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....23.30 <i>For &gt;100 To 250, Deduct</i> -0.76 <i>For &gt;250 To 500, Deduct</i> -0.96 <i>For &gt;500, Deduct</i> -1.15		
05 05 23 00-0712 EA 1" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....25.15 <i>For &gt;100 To 250, Deduct</i> -0.78 <i>For &gt;250 To 500, Deduct</i> -0.97 <i>For &gt;500, Deduct</i> -1.17		
05 05 23 00-0713 EA 1" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....26.11 <i>For &gt;100 To 250, Deduct</i> -0.78 <i>For &gt;250 To 500, Deduct</i> -0.97 <i>For &gt;500, Deduct</i> -1.17		
05 05 23 00-0714 EA 1" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....28.66 <i>For &gt;100 To 250, Deduct</i> -0.78 <i>For &gt;250 To 500, Deduct</i> -0.97 <i>For &gt;500, Deduct</i> -1.17		
05 05 23 00-0715 EA 1" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....30.21 <i>For &gt;100 To 250, Deduct</i> -0.78 <i>For &gt;250 To 500, Deduct</i> -0.97 <i>For &gt;500, Deduct</i> -1.17		
05 05 23 00-0716 Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0159)</small>		
05 05 23 00-0717 1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0716)</small>		
05 05 23 00-0718 EA 1/4" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....2.72 <i>For &gt;100 To 250, Deduct</i> -0.49 <i>For &gt;250 To 500, Deduct</i> -0.62 <i>For &gt;500, Deduct</i> -0.74		
05 05 23 00-0719 EA 1/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....2.73 <i>For &gt;100 To 250, Deduct</i> -0.49 <i>For &gt;250 To 500, Deduct</i> -0.62 <i>For &gt;500, Deduct</i> -0.74		
05 05 23 00-0720 EA 1/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....2.75 <i>For &gt;100 To 250, Deduct</i> -0.49 <i>For &gt;250 To 500, Deduct</i> -0.62 <i>For &gt;500, Deduct</i> -0.74		



**05 Metals****05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0721 EA 1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	2.93	
For >100 To 250, Deduct	-0.49	
For >250 To 500, Deduct	-0.62	
For >500, Deduct	-0.74	
05 05 23 00-0722 EA 1/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	3.09	
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-0.64	
For >500, Deduct	-0.76	
05 05 23 00-0723 EA 1/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	3.20	
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-0.64	
For >500, Deduct	-0.76	
05 05 23 00-0724 EA 1/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	3.24	
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-0.64	
For >500, Deduct	-0.76	
05 05 23 00-0725 EA 1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	3.32	
For >100 To 250, Deduct	-0.52	
For >250 To 500, Deduct	-0.65	
For >500, Deduct	-0.78	
05 05 23 00-0726 EA 1/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	3.45	
For >100 To 250, Deduct	-0.52	
For >250 To 500, Deduct	-0.65	
For >500, Deduct	-0.78	
05 05 23 00-0727 EA 1/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	3.48	
For >100 To 250, Deduct	-0.52	
For >250 To 500, Deduct	-0.65	
For >500, Deduct	-0.78	
05 05 23 00-0728 EA 1/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	3.64	
For >100 To 250, Deduct	-0.54	
For >250 To 500, Deduct	-0.67	
For >500, Deduct	-0.80	
05 05 23 00-0729 EA 1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	3.75	
For >100 To 250, Deduct	-0.54	
For >250 To 500, Deduct	-0.67	
For >500, Deduct	-0.80	
05 05 23 00-0730 EA 1/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	3.79	
For >100 To 250, Deduct	-0.54	
For >250 To 500, Deduct	-0.67	
For >500, Deduct	-0.80	
05 05 23 00-0731 EA 1/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	3.97	
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-0.69	
For >500, Deduct	-0.83	
05 05 23 00-0732 EA 1/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	4.27	
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-0.69	
For >500, Deduct	-0.83	
05 05 23 00-0733 EA 1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	4.66	
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-0.69	
For >500, Deduct	-0.83	
<b>05 05 23 00-0734 5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0716)</b>		
05 05 23 00-0735 EA 5/16" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	2.64	
For >100 To 250, Deduct	-0.49	
For >250 To 500, Deduct	-0.62	
For >500, Deduct	-0.74	
05 05 23 00-0736 EA 5/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	2.99	
For >100 To 250, Deduct	-0.49	
For >250 To 500, Deduct	-0.62	
For >500, Deduct	-0.74	
05 05 23 00-0737 EA 5/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	3.02	
For >100 To 250, Deduct	-0.49	
For >250 To 500, Deduct	-0.62	
For >500, Deduct	-0.74	
05 05 23 00-0738 EA 5/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	3.03	
For >100 To 250, Deduct	-0.49	
For >250 To 500, Deduct	-0.62	
For >500, Deduct	-0.74	
05 05 23 00-0739 EA 5/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	3.26	
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-0.64	
For >500, Deduct	-0.76	
05 05 23 00-0740 EA 5/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	3.59	
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-0.64	
For >500, Deduct	-0.76	
05 05 23 00-0741 EA 5/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	3.65	
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-0.64	
For >500, Deduct	-0.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0742 EA 5/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.81	
<i>For &gt;100 To 250, Deduct</i>	-0.52	
<i>For &gt;250 To 500, Deduct</i>	-0.65	
<i>For &gt;500, Deduct</i>	-0.78	
05 05 23 00-0743 EA 5/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.84	
<i>For &gt;100 To 250, Deduct</i>	-0.52	
<i>For &gt;250 To 500, Deduct</i>	-0.65	
<i>For &gt;500, Deduct</i>	-0.78	
05 05 23 00-0744 EA 5/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.10	
<i>For &gt;100 To 250, Deduct</i>	-0.52	
<i>For &gt;250 To 500, Deduct</i>	-0.65	
<i>For &gt;500, Deduct</i>	-0.78	
05 05 23 00-0745 EA 5/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.24	
<i>For &gt;100 To 250, Deduct</i>	-0.54	
<i>For &gt;250 To 500, Deduct</i>	-0.67	
<i>For &gt;500, Deduct</i>	-0.80	
05 05 23 00-0746 EA 5/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.34	
<i>For &gt;100 To 250, Deduct</i>	-0.54	
<i>For &gt;250 To 500, Deduct</i>	-0.67	
<i>For &gt;500, Deduct</i>	-0.80	
05 05 23 00-0747 EA 5/16" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.60	
<i>For &gt;100 To 250, Deduct</i>	-0.54	
<i>For &gt;250 To 500, Deduct</i>	-0.67	
<i>For &gt;500, Deduct</i>	-0.80	
05 05 23 00-0748 EA 5/16" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.18	
<i>For &gt;100 To 250, Deduct</i>	-0.55	
<i>For &gt;250 To 500, Deduct</i>	-0.69	
<i>For &gt;500, Deduct</i>	-0.83	
05 05 23 00-0749 EA 5/16" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.58	
<i>For &gt;100 To 250, Deduct</i>	-0.55	
<i>For &gt;250 To 500, Deduct</i>	-0.69	
<i>For &gt;500, Deduct</i>	-0.83	
05 05 23 00-0750 EA 5/16" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.96	
<i>For &gt;100 To 250, Deduct</i>	-0.55	
<i>For &gt;250 To 500, Deduct</i>	-0.69	
<i>For &gt;500, Deduct</i>	-0.83	
<b>05 05 23 00-0751 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0716)</small>		
05 05 23 00-0752 EA 3/8" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	2.75	
<i>For &gt;100 To 250, Deduct</i>	-0.49	
<i>For &gt;250 To 500, Deduct</i>	-0.62	
<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-0753 EA 3/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	2.83	
<i>For &gt;100 To 250, Deduct</i>	-0.49	
<i>For &gt;250 To 500, Deduct</i>	-0.62	
<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-0754 EA 3/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	2.91	
<i>For &gt;100 To 250, Deduct</i>	-0.49	
<i>For &gt;250 To 500, Deduct</i>	-0.62	
<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-0755 EA 3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.13	
<i>For &gt;100 To 250, Deduct</i>	-0.49	
<i>For &gt;250 To 500, Deduct</i>	-0.62	
<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-0756 EA 3/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.29	
<i>For &gt;100 To 250, Deduct</i>	-0.51	
<i>For &gt;250 To 500, Deduct</i>	-0.64	
<i>For &gt;500, Deduct</i>	-0.76	
05 05 23 00-0757 EA 3/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.47	
<i>For &gt;100 To 250, Deduct</i>	-0.51	
<i>For &gt;250 To 500, Deduct</i>	-0.64	
<i>For &gt;500, Deduct</i>	-0.76	
05 05 23 00-0758 EA 3/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.59	
<i>For &gt;100 To 250, Deduct</i>	-0.51	
<i>For &gt;250 To 500, Deduct</i>	-0.64	
<i>For &gt;500, Deduct</i>	-0.76	
05 05 23 00-0759 EA 3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.83	
<i>For &gt;100 To 250, Deduct</i>	-0.52	
<i>For &gt;250 To 500, Deduct</i>	-0.65	
<i>For &gt;500, Deduct</i>	-0.78	
05 05 23 00-0760 EA 3/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	3.92	
<i>For &gt;100 To 250, Deduct</i>	-0.52	
<i>For &gt;250 To 500, Deduct</i>	-0.65	
<i>For &gt;500, Deduct</i>	-0.78	
05 05 23 00-0761 EA 3/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.13	
<i>For &gt;100 To 250, Deduct</i>	-0.52	
<i>For &gt;250 To 500, Deduct</i>	-0.65	
<i>For &gt;500, Deduct</i>	-0.78	
05 05 23 00-0762 EA 3/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.29	
<i>For &gt;100 To 250, Deduct</i>	-0.54	
<i>For &gt;250 To 500, Deduct</i>	-0.67	
<i>For &gt;500, Deduct</i>	-0.80	

**05 Metals****05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0763	EA		3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	4.59	
			<i>For &gt;100 To 250, Deduct</i>	-0.54	
			<i>For &gt;250 To 500, Deduct</i>	-0.67	
			<i>For &gt;500, Deduct</i>	-0.80	
05 05 23 00-0764	EA		3/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	4.64	
			<i>For &gt;100 To 250, Deduct</i>	-0.54	
			<i>For &gt;250 To 500, Deduct</i>	-0.67	
			<i>For &gt;500, Deduct</i>	-0.80	
05 05 23 00-0765	EA		3/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	4.74	
			<i>For &gt;100 To 250, Deduct</i>	-0.55	
			<i>For &gt;250 To 500, Deduct</i>	-0.69	
			<i>For &gt;500, Deduct</i>	-0.83	
05 05 23 00-0766	EA		3/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	4.77	
			<i>For &gt;100 To 250, Deduct</i>	-0.55	
			<i>For &gt;250 To 500, Deduct</i>	-0.69	
			<i>For &gt;500, Deduct</i>	-0.83	
05 05 23 00-0767	EA		3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	5.11	
			<i>For &gt;100 To 250, Deduct</i>	-0.55	
			<i>For &gt;250 To 500, Deduct</i>	-0.69	
			<i>For &gt;500, Deduct</i>	-0.83	
<b>05 05 23 00-0768</b>			<b>7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0716)</small>		
05 05 23 00-0769	EA		7/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	3.63	
			<i>For &gt;100 To 250, Deduct</i>	-0.57	
			<i>For &gt;250 To 500, Deduct</i>	-0.71	
			<i>For &gt;500, Deduct</i>	-0.85	
05 05 23 00-0770	EA		7/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	4.01	
			<i>For &gt;100 To 250, Deduct</i>	-0.57	
			<i>For &gt;250 To 500, Deduct</i>	-0.71	
			<i>For &gt;500, Deduct</i>	-0.85	
05 05 23 00-0771	EA		7/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	4.30	
			<i>For &gt;100 To 250, Deduct</i>	-0.57	
			<i>For &gt;250 To 500, Deduct</i>	-0.71	
			<i>For &gt;500, Deduct</i>	-0.85	
05 05 23 00-0772	EA		7/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	4.87	
			<i>For &gt;100 To 250, Deduct</i>	-0.58	
			<i>For &gt;250 To 500, Deduct</i>	-0.73	
			<i>For &gt;500, Deduct</i>	-0.87	
05 05 23 00-0773	EA		7/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	4.89	
			<i>For &gt;100 To 250, Deduct</i>	-0.58	
			<i>For &gt;250 To 500, Deduct</i>	-0.73	
			<i>For &gt;500, Deduct</i>	-0.87	
05 05 23 00-0774	EA		7/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	4.92	
			<i>For &gt;100 To 250, Deduct</i>	-0.58	
			<i>For &gt;250 To 500, Deduct</i>	-0.73	
			<i>For &gt;500, Deduct</i>	-0.87	
05 05 23 00-0775	EA		7/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	5.23	
			<i>For &gt;100 To 250, Deduct</i>	-0.59	
			<i>For &gt;250 To 500, Deduct</i>	-0.74	
			<i>For &gt;500, Deduct</i>	-0.89	
05 05 23 00-0776	EA		7/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	5.50	
			<i>For &gt;100 To 250, Deduct</i>	-0.59	
			<i>For &gt;250 To 500, Deduct</i>	-0.74	
			<i>For &gt;500, Deduct</i>	-0.89	
05 05 23 00-0777	EA		7/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	5.74	
			<i>For &gt;100 To 250, Deduct</i>	-0.59	
			<i>For &gt;250 To 500, Deduct</i>	-0.74	
			<i>For &gt;500, Deduct</i>	-0.89	
05 05 23 00-0778	EA		7/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	6.09	
			<i>For &gt;100 To 250, Deduct</i>	-0.61	
			<i>For &gt;250 To 500, Deduct</i>	-0.76	
			<i>For &gt;500, Deduct</i>	-0.91	
05 05 23 00-0779	EA		7/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	6.37	
			<i>For &gt;100 To 250, Deduct</i>	-0.61	
			<i>For &gt;250 To 500, Deduct</i>	-0.76	
			<i>For &gt;500, Deduct</i>	-0.91	
<b>05 05 23 00-0780</b>			<b>1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0716)</small>		
05 05 23 00-0781	EA		1/2" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	3.46	
			<i>For &gt;100 To 250, Deduct</i>	-0.57	
			<i>For &gt;250 To 500, Deduct</i>	-0.71	
			<i>For &gt;500, Deduct</i>	-0.85	
05 05 23 00-0782	EA		1/2" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	3.59	
			<i>For &gt;100 To 250, Deduct</i>	-0.57	
			<i>For &gt;250 To 500, Deduct</i>	-0.71	
			<i>For &gt;500, Deduct</i>	-0.85	
05 05 23 00-0783	EA		1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	3.84	
			<i>For &gt;100 To 250, Deduct</i>	-0.57	
			<i>For &gt;250 To 500, Deduct</i>	-0.71	
			<i>For &gt;500, Deduct</i>	-0.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0784 EA 1/2" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.19	
<i>For &gt;100 To 250, Deduct</i>	-0.58	
<i>For &gt;250 To 500, Deduct</i>	-0.73	
<i>For &gt;500, Deduct</i>	-0.87	
05 05 23 00-0785 EA 1/2" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.38	
<i>For &gt;100 To 250, Deduct</i>	-0.58	
<i>For &gt;250 To 500, Deduct</i>	-0.73	
<i>For &gt;500, Deduct</i>	-0.87	
05 05 23 00-0786 EA 1/2" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.74	
<i>For &gt;100 To 250, Deduct</i>	-0.58	
<i>For &gt;250 To 500, Deduct</i>	-0.73	
<i>For &gt;500, Deduct</i>	-0.87	
05 05 23 00-0787 EA 1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.87	
<i>For &gt;100 To 250, Deduct</i>	-0.59	
<i>For &gt;250 To 500, Deduct</i>	-0.74	
<i>For &gt;500, Deduct</i>	-0.89	
05 05 23 00-0788 EA 1/2" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.00	
<i>For &gt;100 To 250, Deduct</i>	-0.59	
<i>For &gt;250 To 500, Deduct</i>	-0.74	
<i>For &gt;500, Deduct</i>	-0.89	
05 05 23 00-0789 EA 1/2" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.28	
<i>For &gt;100 To 250, Deduct</i>	-0.59	
<i>For &gt;250 To 500, Deduct</i>	-0.74	
<i>For &gt;500, Deduct</i>	-0.89	
05 05 23 00-0790 EA 1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.48	
<i>For &gt;100 To 250, Deduct</i>	-0.61	
<i>For &gt;250 To 500, Deduct</i>	-0.76	
<i>For &gt;500, Deduct</i>	-0.91	
05 05 23 00-0791 EA 1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.79	
<i>For &gt;100 To 250, Deduct</i>	-0.61	
<i>For &gt;250 To 500, Deduct</i>	-0.76	
<i>For &gt;500, Deduct</i>	-0.91	
05 05 23 00-0792 EA 1/2" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.82	
<i>For &gt;100 To 250, Deduct</i>	-0.61	
<i>For &gt;250 To 500, Deduct</i>	-0.76	
<i>For &gt;500, Deduct</i>	-0.91	
05 05 23 00-0793 EA 1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.95	
<i>For &gt;100 To 250, Deduct</i>	-0.62	
<i>For &gt;250 To 500, Deduct</i>	-0.78	
<i>For &gt;500, Deduct</i>	-0.93	
05 05 23 00-0794 EA 1/2" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.03	
<i>For &gt;100 To 250, Deduct</i>	-0.62	
<i>For &gt;250 To 500, Deduct</i>	-0.78	
<i>For &gt;500, Deduct</i>	-0.93	
05 05 23 00-0795 EA 1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.28	
<i>For &gt;100 To 250, Deduct</i>	-0.62	
<i>For &gt;250 To 500, Deduct</i>	-0.78	
<i>For &gt;500, Deduct</i>	-0.93	
05 05 23 00-0796 EA 1/2" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.48	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0797 EA 1/2" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.67	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0798 EA 1/2" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.71	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0799 EA 1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.82	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
<b>05 05 23 00-0800 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0716)</small>		
05 05 23 00-0801 EA 5/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.26	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0802 EA 5/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.45	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0803 EA 5/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.58	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0804 EA 5/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.86	
<i>For &gt;100 To 250, Deduct</i>	-0.65	
<i>For &gt;250 To 500, Deduct</i>	-0.81	
<i>For &gt;500, Deduct</i>	-0.98	

**05 Metals****05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0805	EA		5/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	5.15	
			<i>For &gt;100 To 250, Deduct</i>	-0.65	
			<i>For &gt;250 To 500, Deduct</i>	-0.81	
			<i>For &gt;500, Deduct</i>	-0.98	
05 05 23 00-0806	EA		5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	5.77	
			<i>For &gt;100 To 250, Deduct</i>	-0.65	
			<i>For &gt;250 To 500, Deduct</i>	-0.81	
			<i>For &gt;500, Deduct</i>	-0.98	
05 05 23 00-0807	EA		5/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	5.94	
			<i>For &gt;100 To 250, Deduct</i>	-0.66	
			<i>For &gt;250 To 500, Deduct</i>	-0.83	
			<i>For &gt;500, Deduct</i>	-1.00	
05 05 23 00-0808	EA		5/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	6.05	
			<i>For &gt;100 To 250, Deduct</i>	-0.66	
			<i>For &gt;250 To 500, Deduct</i>	-0.83	
			<i>For &gt;500, Deduct</i>	-1.00	
05 05 23 00-0809	EA		5/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	6.24	
			<i>For &gt;100 To 250, Deduct</i>	-0.66	
			<i>For &gt;250 To 500, Deduct</i>	-0.83	
			<i>For &gt;500, Deduct</i>	-1.00	
05 05 23 00-0810	EA		5/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	6.57	
			<i>For &gt;100 To 250, Deduct</i>	-0.68	
			<i>For &gt;250 To 500, Deduct</i>	-0.85	
			<i>For &gt;500, Deduct</i>	-1.02	
05 05 23 00-0811	EA		5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	6.79	
			<i>For &gt;100 To 250, Deduct</i>	-0.68	
			<i>For &gt;250 To 500, Deduct</i>	-0.85	
			<i>For &gt;500, Deduct</i>	-1.02	
05 05 23 00-0812	EA		5/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	7.43	
			<i>For &gt;100 To 250, Deduct</i>	-0.68	
			<i>For &gt;250 To 500, Deduct</i>	-0.85	
			<i>For &gt;500, Deduct</i>	-1.02	
05 05 23 00-0813	EA		5/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	7.54	
			<i>For &gt;100 To 250, Deduct</i>	-0.69	
			<i>For &gt;250 To 500, Deduct</i>	-0.87	
			<i>For &gt;500, Deduct</i>	-1.04	
05 05 23 00-0814	EA		5/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	8.67	
			<i>For &gt;100 To 250, Deduct</i>	-0.69	
			<i>For &gt;250 To 500, Deduct</i>	-0.87	
			<i>For &gt;500, Deduct</i>	-1.04	
05 05 23 00-0815	EA		5/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	9.01	
			<i>For &gt;100 To 250, Deduct</i>	-0.69	
			<i>For &gt;250 To 500, Deduct</i>	-0.87	
			<i>For &gt;500, Deduct</i>	-1.04	
05 05 23 00-0816	EA		5/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	9.55	
			<i>For &gt;100 To 250, Deduct</i>	-0.71	
			<i>For &gt;250 To 500, Deduct</i>	-0.88	
			<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0817	EA		5/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	10.08	
			<i>For &gt;100 To 250, Deduct</i>	-0.71	
			<i>For &gt;250 To 500, Deduct</i>	-0.88	
			<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0818	EA		5/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	11.30	
			<i>For &gt;100 To 250, Deduct</i>	-0.71	
			<i>For &gt;250 To 500, Deduct</i>	-0.88	
			<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0819	EA		5/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	11.40	
			<i>For &gt;100 To 250, Deduct</i>	-0.71	
			<i>For &gt;250 To 500, Deduct</i>	-0.88	
			<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0820			<b>3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0716)</small>		
05 05 23 00-0821	EA		3/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	5.18	
			<i>For &gt;100 To 250, Deduct</i>	-0.64	
			<i>For &gt;250 To 500, Deduct</i>	-0.80	
			<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0822	EA		3/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	5.22	
			<i>For &gt;100 To 250, Deduct</i>	-0.64	
			<i>For &gt;250 To 500, Deduct</i>	-0.80	
			<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0823	EA		3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	5.45	
			<i>For &gt;100 To 250, Deduct</i>	-0.64	
			<i>For &gt;250 To 500, Deduct</i>	-0.80	
			<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0824	EA		3/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	6.04	
			<i>For &gt;100 To 250, Deduct</i>	-0.65	
			<i>For &gt;250 To 500, Deduct</i>	-0.81	
			<i>For &gt;500, Deduct</i>	-0.98	
05 05 23 00-0825	EA		3/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	6.92	
			<i>For &gt;100 To 250, Deduct</i>	-0.65	
			<i>For &gt;250 To 500, Deduct</i>	-0.81	
			<i>For &gt;500, Deduct</i>	-0.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0826 EA 3/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.49	
<i>For &gt;100 To 250, Deduct</i>	-0.65	
<i>For &gt;250 To 500, Deduct</i>	-0.81	
<i>For &gt;500, Deduct</i>	-0.98	
05 05 23 00-0827 EA 3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.86	
<i>For &gt;100 To 250, Deduct</i>	-0.66	
<i>For &gt;250 To 500, Deduct</i>	-0.83	
<i>For &gt;500, Deduct</i>	-1.00	
05 05 23 00-0828 EA 3/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.91	
<i>For &gt;100 To 250, Deduct</i>	-0.66	
<i>For &gt;250 To 500, Deduct</i>	-0.83	
<i>For &gt;500, Deduct</i>	-1.00	
05 05 23 00-0829 EA 3/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.03	
<i>For &gt;100 To 250, Deduct</i>	-0.66	
<i>For &gt;250 To 500, Deduct</i>	-0.83	
<i>For &gt;500, Deduct</i>	-1.00	
05 05 23 00-0830 EA 3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.18	
<i>For &gt;100 To 250, Deduct</i>	-0.68	
<i>For &gt;250 To 500, Deduct</i>	-0.85	
<i>For &gt;500, Deduct</i>	-1.02	
05 05 23 00-0831 EA 3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.93	
<i>For &gt;100 To 250, Deduct</i>	-0.68	
<i>For &gt;250 To 500, Deduct</i>	-0.85	
<i>For &gt;500, Deduct</i>	-1.02	
05 05 23 00-0832 EA 3/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.24	
<i>For &gt;100 To 250, Deduct</i>	-0.68	
<i>For &gt;250 To 500, Deduct</i>	-0.85	
<i>For &gt;500, Deduct</i>	-1.02	
05 05 23 00-0833 EA 3/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.91	
<i>For &gt;100 To 250, Deduct</i>	-0.69	
<i>For &gt;250 To 500, Deduct</i>	-0.87	
<i>For &gt;500, Deduct</i>	-1.04	
05 05 23 00-0834 EA 3/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.01	
<i>For &gt;100 To 250, Deduct</i>	-0.69	
<i>For &gt;250 To 500, Deduct</i>	-0.87	
<i>For &gt;500, Deduct</i>	-1.04	
05 05 23 00-0835 EA 3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.32	
<i>For &gt;100 To 250, Deduct</i>	-0.69	
<i>For &gt;250 To 500, Deduct</i>	-0.87	
<i>For &gt;500, Deduct</i>	-1.04	
05 05 23 00-0836 EA 3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.84	
<i>For &gt;100 To 250, Deduct</i>	-0.71	
<i>For &gt;250 To 500, Deduct</i>	-0.88	
<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0837 EA 3/4" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.16	
<i>For &gt;100 To 250, Deduct</i>	-0.71	
<i>For &gt;250 To 500, Deduct</i>	-0.88	
<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0838 EA 3/4" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.34	
<i>For &gt;100 To 250, Deduct</i>	-0.71	
<i>For &gt;250 To 500, Deduct</i>	-0.88	
<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0839 EA 3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.44	
<i>For &gt;100 To 250, Deduct</i>	-0.71	
<i>For &gt;250 To 500, Deduct</i>	-0.88	
<i>For &gt;500, Deduct</i>	-1.06	
<b>05 05 23 00-0840 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0716)</small></b>		
05 05 23 00-0841 EA 7/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.35	
<i>For &gt;100 To 250, Deduct</i>	-0.71	
<i>For &gt;250 To 500, Deduct</i>	-0.88	
<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0842 EA 7/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.71	
<i>For &gt;100 To 250, Deduct</i>	-0.71	
<i>For &gt;250 To 500, Deduct</i>	-0.88	
<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0843 EA 7/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.00	
<i>For &gt;100 To 250, Deduct</i>	-0.72	
<i>For &gt;250 To 500, Deduct</i>	-0.90	
<i>For &gt;500, Deduct</i>	-1.08	
05 05 23 00-0844 EA 7/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.88	
<i>For &gt;100 To 250, Deduct</i>	-0.72	
<i>For &gt;250 To 500, Deduct</i>	-0.90	
<i>For &gt;500, Deduct</i>	-1.08	
05 05 23 00-0845 EA 7/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.16	
<i>For &gt;100 To 250, Deduct</i>	-0.72	
<i>For &gt;250 To 500, Deduct</i>	-0.90	
<i>For &gt;500, Deduct</i>	-1.08	
05 05 23 00-0846 EA 7/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.60	
<i>For &gt;100 To 250, Deduct</i>	-0.74	
<i>For &gt;250 To 500, Deduct</i>	-0.92	
<i>For &gt;500, Deduct</i>	-1.10	

**05 Metals****05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0847	EA		7/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.99	
			<i>For &gt;100 To 250, Deduct</i>	-0.74	
			<i>For &gt;250 To 500, Deduct</i>	-0.92	
			<i>For &gt;500, Deduct</i>	-1.10	
05 05 23 00-0848	EA		7/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.49	
			<i>For &gt;100 To 250, Deduct</i>	-0.74	
			<i>For &gt;250 To 500, Deduct</i>	-0.92	
			<i>For &gt;500, Deduct</i>	-1.10	
05 05 23 00-0849	EA		7/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.92	
			<i>For &gt;100 To 250, Deduct</i>	-0.75	
			<i>For &gt;250 To 500, Deduct</i>	-0.94	
			<i>For &gt;500, Deduct</i>	-1.13	
05 05 23 00-0850	EA		7/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.31	
			<i>For &gt;100 To 250, Deduct</i>	-0.75	
			<i>For &gt;250 To 500, Deduct</i>	-0.94	
			<i>For &gt;500, Deduct</i>	-1.13	
05 05 23 00-0851	EA		7/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.43	
			<i>For &gt;100 To 250, Deduct</i>	-0.75	
			<i>For &gt;250 To 500, Deduct</i>	-0.94	
			<i>For &gt;500, Deduct</i>	-1.13	
05 05 23 00-0852	EA		7/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.93	
			<i>For &gt;100 To 250, Deduct</i>	-0.76	
			<i>For &gt;250 To 500, Deduct</i>	-0.96	
			<i>For &gt;500, Deduct</i>	-1.15	
05 05 23 00-0853	EA		7/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.66	
			<i>For &gt;100 To 250, Deduct</i>	-0.76	
			<i>For &gt;250 To 500, Deduct</i>	-0.96	
			<i>For &gt;500, Deduct</i>	-1.15	
05 05 23 00-0854	EA		7/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.83	
			<i>For &gt;100 To 250, Deduct</i>	-0.76	
			<i>For &gt;250 To 500, Deduct</i>	-0.96	
			<i>For &gt;500, Deduct</i>	-1.15	
05 05 23 00-0855	EA		7/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.10	
			<i>For &gt;100 To 250, Deduct</i>	-0.78	
			<i>For &gt;250 To 500, Deduct</i>	-0.97	
			<i>For &gt;500, Deduct</i>	-1.17	
05 05 23 00-0856	EA		7/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.50	
			<i>For &gt;100 To 250, Deduct</i>	-0.78	
			<i>For &gt;250 To 500, Deduct</i>	-0.97	
			<i>For &gt;500, Deduct</i>	-1.17	
05 05 23 00-0857	EA		7/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.01	
			<i>For &gt;100 To 250, Deduct</i>	-0.78	
			<i>For &gt;250 To 500, Deduct</i>	-0.97	
			<i>For &gt;500, Deduct</i>	-1.17	
05 05 23 00-0858	EA		7/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.48	
			<i>For &gt;100 To 250, Deduct</i>	-0.78	
			<i>For &gt;250 To 500, Deduct</i>	-0.97	
			<i>For &gt;500, Deduct</i>	-1.17	
05 05 23 00-0859			<b>1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0716)</small>		
05 05 23 00-0860	EA		1" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.88	
			<i>For &gt;100 To 250, Deduct</i>	-0.71	
			<i>For &gt;250 To 500, Deduct</i>	-0.88	
			<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0861	EA		1" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.07	
			<i>For &gt;100 To 250, Deduct</i>	-0.72	
			<i>For &gt;250 To 500, Deduct</i>	-0.90	
			<i>For &gt;500, Deduct</i>	-1.08	
05 05 23 00-0862	EA		1" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.75	
			<i>For &gt;100 To 250, Deduct</i>	-0.72	
			<i>For &gt;250 To 500, Deduct</i>	-0.90	
			<i>For &gt;500, Deduct</i>	-1.08	
05 05 23 00-0863	EA		1" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.28	
			<i>For &gt;100 To 250, Deduct</i>	-0.72	
			<i>For &gt;250 To 500, Deduct</i>	-0.90	
			<i>For &gt;500, Deduct</i>	-1.08	
05 05 23 00-0864	EA		1" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.57	
			<i>For &gt;100 To 250, Deduct</i>	-0.74	
			<i>For &gt;250 To 500, Deduct</i>	-0.92	
			<i>For &gt;500, Deduct</i>	-1.10	
05 05 23 00-0865	EA		1" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.85	
			<i>For &gt;100 To 250, Deduct</i>	-0.74	
			<i>For &gt;250 To 500, Deduct</i>	-0.92	
			<i>For &gt;500, Deduct</i>	-1.10	
05 05 23 00-0866	EA		1" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.63	
			<i>For &gt;100 To 250, Deduct</i>	-0.74	
			<i>For &gt;250 To 500, Deduct</i>	-0.92	
			<i>For &gt;500, Deduct</i>	-1.10	
05 05 23 00-0867	EA		1" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.78	
			<i>For &gt;100 To 250, Deduct</i>	-0.75	
			<i>For &gt;250 To 500, Deduct</i>	-0.94	
			<i>For &gt;500, Deduct</i>	-1.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0868 EA 1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.08	
<i>For &gt;100 To 250, Deduct</i>	-0.75	
<i>For &gt;250 To 500, Deduct</i>	-0.94	
<i>For &gt;500, Deduct</i>	-1.13	
05 05 23 00-0869 EA 1" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.75	
<i>For &gt;100 To 250, Deduct</i>	-0.75	
<i>For &gt;250 To 500, Deduct</i>	-0.94	
<i>For &gt;500, Deduct</i>	-1.13	
05 05 23 00-0870 EA 1" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.32	
<i>For &gt;100 To 250, Deduct</i>	-0.76	
<i>For &gt;250 To 500, Deduct</i>	-0.96	
<i>For &gt;500, Deduct</i>	-1.15	
05 05 23 00-0871 EA 1" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.44	
<i>For &gt;100 To 250, Deduct</i>	-0.76	
<i>For &gt;250 To 500, Deduct</i>	-0.96	
<i>For &gt;500, Deduct</i>	-1.15	
05 05 23 00-0872 EA 1" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.55	
<i>For &gt;100 To 250, Deduct</i>	-0.76	
<i>For &gt;250 To 500, Deduct</i>	-0.96	
<i>For &gt;500, Deduct</i>	-1.15	
05 05 23 00-0873 EA 1" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.95	
<i>For &gt;100 To 250, Deduct</i>	-0.78	
<i>For &gt;250 To 500, Deduct</i>	-0.97	
<i>For &gt;500, Deduct</i>	-1.17	
05 05 23 00-0874 EA 1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.85	
<i>For &gt;100 To 250, Deduct</i>	-0.78	
<i>For &gt;250 To 500, Deduct</i>	-0.97	
<i>For &gt;500, Deduct</i>	-1.17	
05 05 23 00-0875 EA 1" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.54	
<i>For &gt;100 To 250, Deduct</i>	-0.78	
<i>For &gt;250 To 500, Deduct</i>	-0.97	
<i>For &gt;500, Deduct</i>	-1.17	
05 05 23 00-0876 EA 1" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.54	
<i>For &gt;100 To 250, Deduct</i>	-0.78	
<i>For &gt;250 To 500, Deduct</i>	-0.97	
<i>For &gt;500, Deduct</i>	-1.17	
05 05 23 00-0877 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0159)</small>		
05 05 23 00-0878 1/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0877)</small>		
05 05 23 00-0879 EA 1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	2.66	
<i>For &gt;100 To 250, Deduct</i>	-0.49	
<i>For &gt;250 To 500, Deduct</i>	-0.62	
<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-0880 EA 1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	2.73	
<i>For &gt;100 To 250, Deduct</i>	-0.49	
<i>For &gt;250 To 500, Deduct</i>	-0.62	
<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-0881 EA 1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	2.82	
<i>For &gt;100 To 250, Deduct</i>	-0.49	
<i>For &gt;250 To 500, Deduct</i>	-0.62	
<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-0882 EA 1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	2.92	
<i>For &gt;100 To 250, Deduct</i>	-0.49	
<i>For &gt;250 To 500, Deduct</i>	-0.62	
<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-0883 EA 1/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	3.09	
<i>For &gt;100 To 250, Deduct</i>	-0.51	
<i>For &gt;250 To 500, Deduct</i>	-0.64	
<i>For &gt;500, Deduct</i>	-0.76	
05 05 23 00-0884 EA 1/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	3.24	
<i>For &gt;100 To 250, Deduct</i>	-0.51	
<i>For &gt;250 To 500, Deduct</i>	-0.64	
<i>For &gt;500, Deduct</i>	-0.76	
05 05 23 00-0885 EA 1/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	3.41	
<i>For &gt;100 To 250, Deduct</i>	-0.51	
<i>For &gt;250 To 500, Deduct</i>	-0.64	
<i>For &gt;500, Deduct</i>	-0.76	
05 05 23 00-0886 EA 1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	3.61	
<i>For &gt;100 To 250, Deduct</i>	-0.52	
<i>For &gt;250 To 500, Deduct</i>	-0.65	
<i>For &gt;500, Deduct</i>	-0.78	
05 05 23 00-0887 EA 1/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	3.83	
<i>For &gt;100 To 250, Deduct</i>	-0.52	
<i>For &gt;250 To 500, Deduct</i>	-0.65	
<i>For &gt;500, Deduct</i>	-0.78	
05 05 23 00-0888 EA 1/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	4.02	
<i>For &gt;100 To 250, Deduct</i>	-0.52	
<i>For &gt;250 To 500, Deduct</i>	-0.65	
<i>For &gt;500, Deduct</i>	-0.78	
05 05 23 00-0889 EA 1/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	4.25	
<i>For &gt;100 To 250, Deduct</i>	-0.54	
<i>For &gt;250 To 500, Deduct</i>	-0.67	
<i>For &gt;500, Deduct</i>	-0.80	



**05 Metals****05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0890	EA		1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	4.58	
			<i>For &gt;100 To 250, Deduct</i>	-0.54	
			<i>For &gt;250 To 500, Deduct</i>	-0.67	
			<i>For &gt;500, Deduct</i>	-0.80	
05 05 23 00-0891	EA		1/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	8.47	
			<i>For &gt;100 To 250, Deduct</i>	-0.54	
			<i>For &gt;250 To 500, Deduct</i>	-0.67	
			<i>For &gt;500, Deduct</i>	-0.80	
05 05 23 00-0892	EA		1/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	10.45	
			<i>For &gt;100 To 250, Deduct</i>	-0.55	
			<i>For &gt;250 To 500, Deduct</i>	-0.69	
			<i>For &gt;500, Deduct</i>	-0.83	
05 05 23 00-0893	EA		1/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	10.63	
			<i>For &gt;100 To 250, Deduct</i>	-0.55	
			<i>For &gt;250 To 500, Deduct</i>	-0.69	
			<i>For &gt;500, Deduct</i>	-0.83	
05 05 23 00-0894	EA		1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	11.07	
			<i>For &gt;100 To 250, Deduct</i>	-0.55	
			<i>For &gt;250 To 500, Deduct</i>	-0.69	
			<i>For &gt;500, Deduct</i>	-0.83	
<b>05 05 23 00-0895</b>			<b>5/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-0877)</small>		
05 05 23 00-0896	EA		5/16" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	2.79	
			<i>For &gt;100 To 250, Deduct</i>	-0.49	
			<i>For &gt;250 To 500, Deduct</i>	-0.62	
			<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-0897	EA		5/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	2.86	
			<i>For &gt;100 To 250, Deduct</i>	-0.49	
			<i>For &gt;250 To 500, Deduct</i>	-0.62	
			<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-0898	EA		5/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	3.00	
			<i>For &gt;100 To 250, Deduct</i>	-0.49	
			<i>For &gt;250 To 500, Deduct</i>	-0.62	
			<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-0899	EA		5/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	3.11	
			<i>For &gt;100 To 250, Deduct</i>	-0.49	
			<i>For &gt;250 To 500, Deduct</i>	-0.62	
			<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-0900	EA		5/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	3.39	
			<i>For &gt;100 To 250, Deduct</i>	-0.51	
			<i>For &gt;250 To 500, Deduct</i>	-0.64	
			<i>For &gt;500, Deduct</i>	-0.76	
05 05 23 00-0901	EA		5/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	3.46	
			<i>For &gt;100 To 250, Deduct</i>	-0.51	
			<i>For &gt;250 To 500, Deduct</i>	-0.64	
			<i>For &gt;500, Deduct</i>	-0.76	
05 05 23 00-0902	EA		5/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	3.82	
			<i>For &gt;100 To 250, Deduct</i>	-0.51	
			<i>For &gt;250 To 500, Deduct</i>	-0.64	
			<i>For &gt;500, Deduct</i>	-0.76	
05 05 23 00-0903	EA		5/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	4.14	
			<i>For &gt;100 To 250, Deduct</i>	-0.52	
			<i>For &gt;250 To 500, Deduct</i>	-0.65	
			<i>For &gt;500, Deduct</i>	-0.78	
05 05 23 00-0904	EA		5/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	4.55	
			<i>For &gt;100 To 250, Deduct</i>	-0.52	
			<i>For &gt;250 To 500, Deduct</i>	-0.65	
			<i>For &gt;500, Deduct</i>	-0.78	
05 05 23 00-0905	EA		5/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	4.75	
			<i>For &gt;100 To 250, Deduct</i>	-0.52	
			<i>For &gt;250 To 500, Deduct</i>	-0.65	
			<i>For &gt;500, Deduct</i>	-0.78	
05 05 23 00-0906	EA		5/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	5.44	
			<i>For &gt;100 To 250, Deduct</i>	-0.54	
			<i>For &gt;250 To 500, Deduct</i>	-0.67	
			<i>For &gt;500, Deduct</i>	-0.80	
05 05 23 00-0907	EA		5/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	6.46	
			<i>For &gt;100 To 250, Deduct</i>	-0.54	
			<i>For &gt;250 To 500, Deduct</i>	-0.67	
			<i>For &gt;500, Deduct</i>	-0.80	
05 05 23 00-0908	EA		5/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	8.77	
			<i>For &gt;100 To 250, Deduct</i>	-0.54	
			<i>For &gt;250 To 500, Deduct</i>	-0.67	
			<i>For &gt;500, Deduct</i>	-0.80	
05 05 23 00-0909	EA		5/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	12.60	
			<i>For &gt;100 To 250, Deduct</i>	-0.55	
			<i>For &gt;250 To 500, Deduct</i>	-0.69	
			<i>For &gt;500, Deduct</i>	-0.83	

05 05 23 00-0910 3/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0877)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0911 EA 3/8" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	2.97 -0.49 -0.62 -0.74	
05 05 23 00-0912 EA 3/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	3.05 -0.49 -0.62 -0.74	
05 05 23 00-0913 EA 3/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	3.27 -0.49 -0.62 -0.74	
05 05 23 00-0914 EA 3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	3.55 -0.49 -0.62 -0.74	
05 05 23 00-0915 EA 3/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	3.76 -0.51 -0.64 -0.76	
05 05 23 00-0916 EA 3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	3.98 -0.51 -0.64 -0.76	
05 05 23 00-0917 EA 3/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	4.28 -0.51 -0.64 -0.76	
05 05 23 00-0918 EA 3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	4.61 -0.52 -0.65 -0.78	
05 05 23 00-0919 EA 3/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	4.96 -0.52 -0.65 -0.78	
05 05 23 00-0920 EA 3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	5.72 -0.52 -0.65 -0.78	
05 05 23 00-0921 EA 3/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	5.88 -0.54 -0.67 -0.80	
05 05 23 00-0922 EA 3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	6.51 -0.54 -0.67 -0.80	
05 05 23 00-0923 EA 3/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	7.85 -0.54 -0.67 -0.80	
05 05 23 00-0924 EA 3/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	8.25 -0.55 -0.69 -0.83	
05 05 23 00-0925 EA 3/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	8.44 -0.55 -0.69 -0.83	
05 05 23 00-0926 EA 3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	9.78 -0.55 -0.69 -0.83	
<b>05 05 23 00-0927 7/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-0877)</small>		
05 05 23 00-0928 EA 7/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	4.04 -0.57 -0.71 -0.85	
05 05 23 00-0929 EA 7/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	4.13 -0.57 -0.71 -0.85	
05 05 23 00-0930 EA 7/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	4.49 -0.57 -0.71 -0.85	
05 05 23 00-0931 EA 7/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	4.77 -0.58 -0.73 -0.87	

**05 Metals****05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0932	EA		7/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	5.20	
			<i>For &gt;100 To 250, Deduct</i>	-0.58	
			<i>For &gt;250 To 500, Deduct</i>	-0.73	
			<i>For &gt;500, Deduct</i>	-0.87	
05 05 23 00-0933	EA		7/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	5.91	
			<i>For &gt;100 To 250, Deduct</i>	-0.58	
			<i>For &gt;250 To 500, Deduct</i>	-0.73	
			<i>For &gt;500, Deduct</i>	-0.87	
05 05 23 00-0934	EA		7/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	6.30	
			<i>For &gt;100 To 250, Deduct</i>	-0.59	
			<i>For &gt;250 To 500, Deduct</i>	-0.74	
			<i>For &gt;500, Deduct</i>	-0.89	
05 05 23 00-0935	EA		7/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	7.13	
			<i>For &gt;100 To 250, Deduct</i>	-0.59	
			<i>For &gt;250 To 500, Deduct</i>	-0.74	
			<i>For &gt;500, Deduct</i>	-0.89	
05 05 23 00-0936	EA		7/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	7.50	
			<i>For &gt;100 To 250, Deduct</i>	-0.59	
			<i>For &gt;250 To 500, Deduct</i>	-0.74	
			<i>For &gt;500, Deduct</i>	-0.89	
05 05 23 00-0937	EA		7/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	8.71	
			<i>For &gt;100 To 250, Deduct</i>	-0.61	
			<i>For &gt;250 To 500, Deduct</i>	-0.76	
			<i>For &gt;500, Deduct</i>	-0.91	
05 05 23 00-0938	EA		7/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.98	
			<i>For &gt;100 To 250, Deduct</i>	-0.61	
			<i>For &gt;250 To 500, Deduct</i>	-0.76	
			<i>For &gt;500, Deduct</i>	-0.91	
05 05 23 00-0939	EA		7/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	10.15	
			<i>For &gt;100 To 250, Deduct</i>	-0.61	
			<i>For &gt;250 To 500, Deduct</i>	-0.76	
			<i>For &gt;500, Deduct</i>	-0.91	
05 05 23 00-0940	EA		7/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	10.37	
			<i>For &gt;100 To 250, Deduct</i>	-0.62	
			<i>For &gt;250 To 500, Deduct</i>	-0.78	
			<i>For &gt;500, Deduct</i>	-0.93	
05 05 23 00-0941			<b>1/2" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-0877)</small> .....		
05 05 23 00-0942	EA		1/2" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	4.03	
			<i>For &gt;100 To 250, Deduct</i>	-0.57	
			<i>For &gt;250 To 500, Deduct</i>	-0.71	
			<i>For &gt;500, Deduct</i>	-0.85	
05 05 23 00-0943	EA		1/2" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	4.13	
			<i>For &gt;100 To 250, Deduct</i>	-0.57	
			<i>For &gt;250 To 500, Deduct</i>	-0.71	
			<i>For &gt;500, Deduct</i>	-0.85	
05 05 23 00-0944	EA		1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	4.69	
			<i>For &gt;100 To 250, Deduct</i>	-0.57	
			<i>For &gt;250 To 500, Deduct</i>	-0.71	
			<i>For &gt;500, Deduct</i>	-0.85	
05 05 23 00-0945	EA		1/2" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	4.98	
			<i>For &gt;100 To 250, Deduct</i>	-0.58	
			<i>For &gt;250 To 500, Deduct</i>	-0.73	
			<i>For &gt;500, Deduct</i>	-0.87	
05 05 23 00-0946	EA		1/2" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	5.49	
			<i>For &gt;100 To 250, Deduct</i>	-0.58	
			<i>For &gt;250 To 500, Deduct</i>	-0.73	
			<i>For &gt;500, Deduct</i>	-0.87	
05 05 23 00-0947	EA		1/2" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	5.76	
			<i>For &gt;100 To 250, Deduct</i>	-0.58	
			<i>For &gt;250 To 500, Deduct</i>	-0.73	
			<i>For &gt;500, Deduct</i>	-0.87	
05 05 23 00-0948	EA		1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	6.17	
			<i>For &gt;100 To 250, Deduct</i>	-0.59	
			<i>For &gt;250 To 500, Deduct</i>	-0.74	
			<i>For &gt;500, Deduct</i>	-0.89	
05 05 23 00-0949	EA		1/2" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	6.41	
			<i>For &gt;100 To 250, Deduct</i>	-0.59	
			<i>For &gt;250 To 500, Deduct</i>	-0.74	
			<i>For &gt;500, Deduct</i>	-0.89	
05 05 23 00-0950	EA		1/2" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	7.74	
			<i>For &gt;100 To 250, Deduct</i>	-0.59	
			<i>For &gt;250 To 500, Deduct</i>	-0.74	
			<i>For &gt;500, Deduct</i>	-0.89	
05 05 23 00-0951	EA		1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	8.18	
			<i>For &gt;100 To 250, Deduct</i>	-0.61	
			<i>For &gt;250 To 500, Deduct</i>	-0.76	
			<i>For &gt;500, Deduct</i>	-0.91	
05 05 23 00-0952	EA		1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	8.78	
			<i>For &gt;100 To 250, Deduct</i>	-0.61	
			<i>For &gt;250 To 500, Deduct</i>	-0.76	
			<i>For &gt;500, Deduct</i>	-0.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0953 EA 1/2" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	9.46	
<i>For &gt;100 To 250, Deduct</i>	-0.61	
<i>For &gt;250 To 500, Deduct</i>	-0.76	
<i>For &gt;500, Deduct</i>	-0.91	
05 05 23 00-0954 EA 1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	10.54	
<i>For &gt;100 To 250, Deduct</i>	-0.62	
<i>For &gt;250 To 500, Deduct</i>	-0.78	
<i>For &gt;500, Deduct</i>	-0.93	
05 05 23 00-0955 EA 1/2" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	10.94	
<i>For &gt;100 To 250, Deduct</i>	-0.62	
<i>For &gt;250 To 500, Deduct</i>	-0.78	
<i>For &gt;500, Deduct</i>	-0.93	
05 05 23 00-0956 EA 1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	11.58	
<i>For &gt;100 To 250, Deduct</i>	-0.62	
<i>For &gt;250 To 500, Deduct</i>	-0.78	
<i>For &gt;500, Deduct</i>	-0.93	
05 05 23 00-0957 EA 1/2" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	14.78	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0958 EA 1/2" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	15.03	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0959 EA 1/2" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	16.80	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0960 EA 1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	18.56	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
<b>05 05 23 00-0961 9/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-0877)</small>		
05 05 23 00-0962 EA 9/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	6.95	
<i>For &gt;100 To 250, Deduct</i>	-0.57	
<i>For &gt;250 To 500, Deduct</i>	-0.71	
<i>For &gt;500, Deduct</i>	-0.85	
05 05 23 00-0963 EA 9/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	8.11	
<i>For &gt;100 To 250, Deduct</i>	-0.57	
<i>For &gt;250 To 500, Deduct</i>	-0.71	
<i>For &gt;500, Deduct</i>	-0.85	
05 05 23 00-0964 EA 9/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	10.14	
<i>For &gt;100 To 250, Deduct</i>	-0.57	
<i>For &gt;250 To 500, Deduct</i>	-0.71	
<i>For &gt;500, Deduct</i>	-0.85	
05 05 23 00-0965 EA 9/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	10.62	
<i>For &gt;100 To 250, Deduct</i>	-0.58	
<i>For &gt;250 To 500, Deduct</i>	-0.73	
<i>For &gt;500, Deduct</i>	-0.87	
05 05 23 00-0966 EA 9/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	11.34	
<i>For &gt;100 To 250, Deduct</i>	-0.58	
<i>For &gt;250 To 500, Deduct</i>	-0.73	
<i>For &gt;500, Deduct</i>	-0.87	
05 05 23 00-0967 EA 9/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	12.60	
<i>For &gt;100 To 250, Deduct</i>	-0.58	
<i>For &gt;250 To 500, Deduct</i>	-0.73	
<i>For &gt;500, Deduct</i>	-0.87	
05 05 23 00-0968 EA 9/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	14.52	
<i>For &gt;100 To 250, Deduct</i>	-0.59	
<i>For &gt;250 To 500, Deduct</i>	-0.74	
<i>For &gt;500, Deduct</i>	-0.89	
05 05 23 00-0969 EA 9/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	14.80	
<i>For &gt;100 To 250, Deduct</i>	-0.59	
<i>For &gt;250 To 500, Deduct</i>	-0.74	
<i>For &gt;500, Deduct</i>	-0.89	
05 05 23 00-0970 EA 9/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	17.47	
<i>For &gt;100 To 250, Deduct</i>	-0.59	
<i>For &gt;250 To 500, Deduct</i>	-0.74	
<i>For &gt;500, Deduct</i>	-0.89	
05 05 23 00-0971 EA 9/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	18.78	
<i>For &gt;100 To 250, Deduct</i>	-0.61	
<i>For &gt;250 To 500, Deduct</i>	-0.76	
<i>For &gt;500, Deduct</i>	-0.91	
05 05 23 00-0972 EA 9/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	20.21	
<i>For &gt;100 To 250, Deduct</i>	-0.61	
<i>For &gt;250 To 500, Deduct</i>	-0.76	
<i>For &gt;500, Deduct</i>	-0.91	
<b>05 05 23 00-0973 5/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-0877)</small>		

**05 Metals****05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0974	EA		5/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	5.36	
			<i>For &gt;100 To 250, Deduct</i>	-0.64	
			<i>For &gt;250 To 500, Deduct</i>	-0.80	
			<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0975	EA		5/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	5.63	
			<i>For &gt;100 To 250, Deduct</i>	-0.64	
			<i>For &gt;250 To 500, Deduct</i>	-0.80	
			<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0976	EA		5/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	6.74	
			<i>For &gt;100 To 250, Deduct</i>	-0.64	
			<i>For &gt;250 To 500, Deduct</i>	-0.80	
			<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0977	EA		5/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	6.99	
			<i>For &gt;100 To 250, Deduct</i>	-0.65	
			<i>For &gt;250 To 500, Deduct</i>	-0.81	
			<i>For &gt;500, Deduct</i>	-0.98	
05 05 23 00-0978	EA		5/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	7.52	
			<i>For &gt;100 To 250, Deduct</i>	-0.65	
			<i>For &gt;250 To 500, Deduct</i>	-0.81	
			<i>For &gt;500, Deduct</i>	-0.98	
05 05 23 00-0979	EA		5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	8.27	
			<i>For &gt;100 To 250, Deduct</i>	-0.65	
			<i>For &gt;250 To 500, Deduct</i>	-0.81	
			<i>For &gt;500, Deduct</i>	-0.98	
05 05 23 00-0980	EA		5/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.28	
			<i>For &gt;100 To 250, Deduct</i>	-0.66	
			<i>For &gt;250 To 500, Deduct</i>	-0.83	
			<i>For &gt;500, Deduct</i>	-1.00	
05 05 23 00-0981	EA		5/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.29	
			<i>For &gt;100 To 250, Deduct</i>	-0.66	
			<i>For &gt;250 To 500, Deduct</i>	-0.83	
			<i>For &gt;500, Deduct</i>	-1.00	
05 05 23 00-0982	EA		5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	10.14	
			<i>For &gt;100 To 250, Deduct</i>	-0.66	
			<i>For &gt;250 To 500, Deduct</i>	-0.83	
			<i>For &gt;500, Deduct</i>	-1.00	
05 05 23 00-0983	EA		5/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	10.68	
			<i>For &gt;100 To 250, Deduct</i>	-0.68	
			<i>For &gt;250 To 500, Deduct</i>	-0.85	
			<i>For &gt;500, Deduct</i>	-1.02	
05 05 23 00-0984	EA		5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	11.45	
			<i>For &gt;100 To 250, Deduct</i>	-0.68	
			<i>For &gt;250 To 500, Deduct</i>	-0.85	
			<i>For &gt;500, Deduct</i>	-1.02	
05 05 23 00-0985	EA		5/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	14.23	
			<i>For &gt;100 To 250, Deduct</i>	-0.68	
			<i>For &gt;250 To 500, Deduct</i>	-0.85	
			<i>For &gt;500, Deduct</i>	-1.02	
05 05 23 00-0986	EA		5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	15.82	
			<i>For &gt;100 To 250, Deduct</i>	-0.69	
			<i>For &gt;250 To 500, Deduct</i>	-0.87	
			<i>For &gt;500, Deduct</i>	-1.04	
05 05 23 00-0987	EA		5/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	17.08	
			<i>For &gt;100 To 250, Deduct</i>	-0.69	
			<i>For &gt;250 To 500, Deduct</i>	-0.87	
			<i>For &gt;500, Deduct</i>	-1.04	
05 05 23 00-0988	EA		5/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	17.65	
			<i>For &gt;100 To 250, Deduct</i>	-0.69	
			<i>For &gt;250 To 500, Deduct</i>	-0.87	
			<i>For &gt;500, Deduct</i>	-1.04	
05 05 23 00-0989	EA		5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	20.05	
			<i>For &gt;100 To 250, Deduct</i>	-0.71	
			<i>For &gt;250 To 500, Deduct</i>	-0.88	
			<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0990	EA		5/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	20.79	
			<i>For &gt;100 To 250, Deduct</i>	-0.71	
			<i>For &gt;250 To 500, Deduct</i>	-0.88	
			<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0991	EA		5/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	24.10	
			<i>For &gt;100 To 250, Deduct</i>	-0.71	
			<i>For &gt;250 To 500, Deduct</i>	-0.88	
			<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0992	EA		5/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	25.46	
			<i>For &gt;100 To 250, Deduct</i>	-0.71	
			<i>For &gt;250 To 500, Deduct</i>	-0.88	
			<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-0993			<b>3/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts</b> (05 05 23 00-0977)		
05 05 23 00-0994	EA		3/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	6.57	
			<i>For &gt;100 To 250, Deduct</i>	-0.64	
			<i>For &gt;250 To 500, Deduct</i>	-0.80	
			<i>For &gt;500, Deduct</i>	-0.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0995 EA 3/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	7.09	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0996 EA 3/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	7.77	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-0997 EA 3/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	8.58	
<i>For &gt;100 To 250, Deduct</i>	-0.65	
<i>For &gt;250 To 500, Deduct</i>	-0.81	
<i>For &gt;500, Deduct</i>	-0.98	
05 05 23 00-0998 EA 3/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	9.33	
<i>For &gt;100 To 250, Deduct</i>	-0.65	
<i>For &gt;250 To 500, Deduct</i>	-0.81	
<i>For &gt;500, Deduct</i>	-0.98	
05 05 23 00-0999 EA 3/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	10.60	
<i>For &gt;100 To 250, Deduct</i>	-0.65	
<i>For &gt;250 To 500, Deduct</i>	-0.81	
<i>For &gt;500, Deduct</i>	-0.98	
05 05 23 00-1000 EA 3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	11.43	
<i>For &gt;100 To 250, Deduct</i>	-0.66	
<i>For &gt;250 To 500, Deduct</i>	-0.83	
<i>For &gt;500, Deduct</i>	-1.00	
05 05 23 00-1001 EA 3/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	12.60	
<i>For &gt;100 To 250, Deduct</i>	-0.66	
<i>For &gt;250 To 500, Deduct</i>	-0.83	
<i>For &gt;500, Deduct</i>	-1.00	
05 05 23 00-1002 EA 3/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	13.55	
<i>For &gt;100 To 250, Deduct</i>	-0.66	
<i>For &gt;250 To 500, Deduct</i>	-0.83	
<i>For &gt;500, Deduct</i>	-1.00	
05 05 23 00-1003 EA 3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	14.59	
<i>For &gt;100 To 250, Deduct</i>	-0.68	
<i>For &gt;250 To 500, Deduct</i>	-0.85	
<i>For &gt;500, Deduct</i>	-1.02	
05 05 23 00-1004 EA 3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	15.69	
<i>For &gt;100 To 250, Deduct</i>	-0.68	
<i>For &gt;250 To 500, Deduct</i>	-0.85	
<i>For &gt;500, Deduct</i>	-1.02	
05 05 23 00-1005 EA 3/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	17.75	
<i>For &gt;100 To 250, Deduct</i>	-0.68	
<i>For &gt;250 To 500, Deduct</i>	-0.85	
<i>For &gt;500, Deduct</i>	-1.02	
05 05 23 00-1006 EA 3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	23.30	
<i>For &gt;100 To 250, Deduct</i>	-0.69	
<i>For &gt;250 To 500, Deduct</i>	-0.87	
<i>For &gt;500, Deduct</i>	-1.04	
05 05 23 00-1007 EA 3/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	25.05	
<i>For &gt;100 To 250, Deduct</i>	-0.69	
<i>For &gt;250 To 500, Deduct</i>	-0.87	
<i>For &gt;500, Deduct</i>	-1.04	
05 05 23 00-1008 EA 3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	28.78	
<i>For &gt;100 To 250, Deduct</i>	-0.69	
<i>For &gt;250 To 500, Deduct</i>	-0.87	
<i>For &gt;500, Deduct</i>	-1.04	
05 05 23 00-1009 EA 3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	29.03	
<i>For &gt;100 To 250, Deduct</i>	-0.71	
<i>For &gt;250 To 500, Deduct</i>	-0.88	
<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-1010 EA 3/4" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	29.62	
<i>For &gt;100 To 250, Deduct</i>	-0.71	
<i>For &gt;250 To 500, Deduct</i>	-0.88	
<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-1011 EA 3/4" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	31.21	
<i>For &gt;100 To 250, Deduct</i>	-0.71	
<i>For &gt;250 To 500, Deduct</i>	-0.88	
<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-1012 EA 3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	32.44	
<i>For &gt;100 To 250, Deduct</i>	-0.71	
<i>For &gt;250 To 500, Deduct</i>	-0.88	
<i>For &gt;500, Deduct</i>	-1.06	
<b>05 05 23 00-1013 7/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0877)</b>		
05 05 23 00-1014 EA 7/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	10.17	
<i>For &gt;100 To 250, Deduct</i>	-0.71	
<i>For &gt;250 To 500, Deduct</i>	-0.88	
<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-1015 EA 7/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	11.46	
<i>For &gt;100 To 250, Deduct</i>	-0.71	
<i>For &gt;250 To 500, Deduct</i>	-0.88	
<i>For &gt;500, Deduct</i>	-1.06	

**05 Metals****05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1016	EA		7/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	12.53	
			<i>For &gt;100 To 250, Deduct</i>	-0.72	
			<i>For &gt;250 To 500, Deduct</i>	-0.90	
			<i>For &gt;500, Deduct</i>	-1.08	
05 05 23 00-1017	EA		7/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	13.84	
			<i>For &gt;100 To 250, Deduct</i>	-0.72	
			<i>For &gt;250 To 500, Deduct</i>	-0.90	
			<i>For &gt;500, Deduct</i>	-1.08	
05 05 23 00-1018	EA		7/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	14.27	
			<i>For &gt;100 To 250, Deduct</i>	-0.72	
			<i>For &gt;250 To 500, Deduct</i>	-0.90	
			<i>For &gt;500, Deduct</i>	-1.08	
05 05 23 00-1019	EA		7/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	15.41	
			<i>For &gt;100 To 250, Deduct</i>	-0.74	
			<i>For &gt;250 To 500, Deduct</i>	-0.92	
			<i>For &gt;500, Deduct</i>	-1.10	
05 05 23 00-1020	EA		7/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	15.83	
			<i>For &gt;100 To 250, Deduct</i>	-0.74	
			<i>For &gt;250 To 500, Deduct</i>	-0.92	
			<i>For &gt;500, Deduct</i>	-1.10	
05 05 23 00-1021	EA		7/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	18.68	
			<i>For &gt;100 To 250, Deduct</i>	-0.74	
			<i>For &gt;250 To 500, Deduct</i>	-0.92	
			<i>For &gt;500, Deduct</i>	-1.10	
05 05 23 00-1022	EA		7/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	19.18	
			<i>For &gt;100 To 250, Deduct</i>	-0.75	
			<i>For &gt;250 To 500, Deduct</i>	-0.94	
			<i>For &gt;500, Deduct</i>	-1.13	
05 05 23 00-1023	EA		7/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	20.28	
			<i>For &gt;100 To 250, Deduct</i>	-0.75	
			<i>For &gt;250 To 500, Deduct</i>	-0.94	
			<i>For &gt;500, Deduct</i>	-1.13	
05 05 23 00-1024	EA		7/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	26.32	
			<i>For &gt;100 To 250, Deduct</i>	-0.75	
			<i>For &gt;250 To 500, Deduct</i>	-0.94	
			<i>For &gt;500, Deduct</i>	-1.13	
05 05 23 00-1025	EA		7/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	28.71	
			<i>For &gt;100 To 250, Deduct</i>	-0.76	
			<i>For &gt;250 To 500, Deduct</i>	-0.96	
			<i>For &gt;500, Deduct</i>	-1.15	
05 05 23 00-1026	EA		7/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	31.42	
			<i>For &gt;100 To 250, Deduct</i>	-0.76	
			<i>For &gt;250 To 500, Deduct</i>	-0.96	
			<i>For &gt;500, Deduct</i>	-1.15	
05 05 23 00-1027	EA		7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	33.60	
			<i>For &gt;100 To 250, Deduct</i>	-0.76	
			<i>For &gt;250 To 500, Deduct</i>	-0.96	
			<i>For &gt;500, Deduct</i>	-1.15	
05 05 23 00-1028	EA		7/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	40.31	
			<i>For &gt;100 To 250, Deduct</i>	-0.78	
			<i>For &gt;250 To 500, Deduct</i>	-0.97	
			<i>For &gt;500, Deduct</i>	-1.17	
05 05 23 00-1029	EA		7/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	45.62	
			<i>For &gt;100 To 250, Deduct</i>	-0.78	
			<i>For &gt;250 To 500, Deduct</i>	-0.97	
			<i>For &gt;500, Deduct</i>	-1.17	
05 05 23 00-1030	EA		7/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	48.08	
			<i>For &gt;100 To 250, Deduct</i>	-0.78	
			<i>For &gt;250 To 500, Deduct</i>	-0.97	
			<i>For &gt;500, Deduct</i>	-1.17	
05 05 23 00-1031	EA		7/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	50.53	
			<i>For &gt;100 To 250, Deduct</i>	-0.78	
			<i>For &gt;250 To 500, Deduct</i>	-0.97	
			<i>For &gt;500, Deduct</i>	-1.17	
05 05 23 00-1032	EA		1" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0877)</small> .....	13.30	
			<i>For &gt;100 To 250, Deduct</i>	-0.71	
			<i>For &gt;250 To 500, Deduct</i>	-0.88	
			<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-1034	EA		1" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	14.25	
			<i>For &gt;100 To 250, Deduct</i>	-0.71	
			<i>For &gt;250 To 500, Deduct</i>	-0.88	
			<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-1035	EA		1" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	15.73	
			<i>For &gt;100 To 250, Deduct</i>	-0.72	
			<i>For &gt;250 To 500, Deduct</i>	-0.90	
			<i>For &gt;500, Deduct</i>	-1.08	
05 05 23 00-1036	EA		1" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	16.92	
			<i>For &gt;100 To 250, Deduct</i>	-0.72	
			<i>For &gt;250 To 500, Deduct</i>	-0.90	
			<i>For &gt;500, Deduct</i>	-1.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1037 EA 1" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	18.87	
<i>For &gt;100 To 250, Deduct</i>	-0.72	
<i>For &gt;250 To 500, Deduct</i>	-0.90	
<i>For &gt;500, Deduct</i>	-1.08	
05 05 23 00-1038 EA 1" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	21.13	
<i>For &gt;100 To 250, Deduct</i>	-0.74	
<i>For &gt;250 To 500, Deduct</i>	-0.92	
<i>For &gt;500, Deduct</i>	-1.10	
05 05 23 00-1039 EA 1" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	22.49	
<i>For &gt;100 To 250, Deduct</i>	-0.74	
<i>For &gt;250 To 500, Deduct</i>	-0.92	
<i>For &gt;500, Deduct</i>	-1.10	
05 05 23 00-1040 EA 1" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	24.50	
<i>For &gt;100 To 250, Deduct</i>	-0.74	
<i>For &gt;250 To 500, Deduct</i>	-0.92	
<i>For &gt;500, Deduct</i>	-1.10	
05 05 23 00-1041 EA 1" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	26.46	
<i>For &gt;100 To 250, Deduct</i>	-0.75	
<i>For &gt;250 To 500, Deduct</i>	-0.94	
<i>For &gt;500, Deduct</i>	-1.13	
05 05 23 00-1042 EA 1" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	26.57	
<i>For &gt;100 To 250, Deduct</i>	-0.75	
<i>For &gt;250 To 500, Deduct</i>	-0.94	
<i>For &gt;500, Deduct</i>	-1.13	
05 05 23 00-1043 EA 1" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	31.97	
<i>For &gt;100 To 250, Deduct</i>	-0.75	
<i>For &gt;250 To 500, Deduct</i>	-0.94	
<i>For &gt;500, Deduct</i>	-1.13	
05 05 23 00-1044 EA 1" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	38.87	
<i>For &gt;100 To 250, Deduct</i>	-0.76	
<i>For &gt;250 To 500, Deduct</i>	-0.96	
<i>For &gt;500, Deduct</i>	-1.15	
05 05 23 00-1045 EA 1" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	39.88	
<i>For &gt;100 To 250, Deduct</i>	-0.76	
<i>For &gt;250 To 500, Deduct</i>	-0.96	
<i>For &gt;500, Deduct</i>	-1.15	
05 05 23 00-1046 EA 1" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	40.90	
<i>For &gt;100 To 250, Deduct</i>	-0.76	
<i>For &gt;250 To 500, Deduct</i>	-0.96	
<i>For &gt;500, Deduct</i>	-1.15	
05 05 23 00-1047 EA 1" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	43.00	
<i>For &gt;100 To 250, Deduct</i>	-0.78	
<i>For &gt;250 To 500, Deduct</i>	-0.97	
<i>For &gt;500, Deduct</i>	-1.17	
05 05 23 00-1048 EA 1" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	46.12	
<i>For &gt;100 To 250, Deduct</i>	-0.78	
<i>For &gt;250 To 500, Deduct</i>	-0.97	
<i>For &gt;500, Deduct</i>	-1.17	
05 05 23 00-1049 EA 1" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	60.27	
<i>For &gt;100 To 250, Deduct</i>	-0.78	
<i>For &gt;250 To 500, Deduct</i>	-0.97	
<i>For &gt;500, Deduct</i>	-1.17	
05 05 23 00-1050 EA 1" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	76.75	
<i>For &gt;100 To 250, Deduct</i>	-0.78	
<i>For &gt;250 To 500, Deduct</i>	-0.97	
<i>For &gt;500, Deduct</i>	-1.17	
 05 05 23 00-1051 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0159)</small>		
05 05 23 00-1052 1/4" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-1051)</small>		
05 05 23 00-1053 EA 1/4" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	2.80	
<i>For &gt;100 To 250, Deduct</i>	-0.49	
<i>For &gt;250 To 500, Deduct</i>	-0.62	
<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-1054 EA 1/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt .....	2.95	
<i>For &gt;100 To 250, Deduct</i>	-0.49	
<i>For &gt;250 To 500, Deduct</i>	-0.62	
<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-1055 EA 1/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	3.06	
<i>For &gt;100 To 250, Deduct</i>	-0.49	
<i>For &gt;250 To 500, Deduct</i>	-0.62	
<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-1056 EA 1/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt .....	3.13	
<i>For &gt;100 To 250, Deduct</i>	-0.49	
<i>For &gt;250 To 500, Deduct</i>	-0.62	
<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-1057 EA 1/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	3.41	
<i>For &gt;100 To 250, Deduct</i>	-0.51	
<i>For &gt;250 To 500, Deduct</i>	-0.64	
<i>For &gt;500, Deduct</i>	-0.76	
05 05 23 00-1058 EA 1/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt .....	3.61	
<i>For &gt;100 To 250, Deduct</i>	-0.51	
<i>For &gt;250 To 500, Deduct</i>	-0.64	
<i>For &gt;500, Deduct</i>	-0.76	



## 05 Metals

## 05 05 Common Work Results For Metals

## 05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1059	EA		1/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	3.80	
			<i>For &gt;100 To 250, Deduct</i>	-0.51	
			<i>For &gt;250 To 500, Deduct</i>	-0.64	
			<i>For &gt;500, Deduct</i>	-0.76	
05 05 23 00-1060	EA		1/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	4.02	
			<i>For &gt;100 To 250, Deduct</i>	-0.52	
			<i>For &gt;250 To 500, Deduct</i>	-0.65	
			<i>For &gt;500, Deduct</i>	-0.78	
05 05 23 00-1061	EA		1/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	4.18	
			<i>For &gt;100 To 250, Deduct</i>	-0.52	
			<i>For &gt;250 To 500, Deduct</i>	-0.65	
			<i>For &gt;500, Deduct</i>	-0.78	
05 05 23 00-1062	EA		1/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	4.26	
			<i>For &gt;100 To 250, Deduct</i>	-0.52	
			<i>For &gt;250 To 500, Deduct</i>	-0.65	
			<i>For &gt;500, Deduct</i>	-0.78	
05 05 23 00-1063	EA		1/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	4.82	
			<i>For &gt;100 To 250, Deduct</i>	-0.54	
			<i>For &gt;250 To 500, Deduct</i>	-0.67	
			<i>For &gt;500, Deduct</i>	-0.80	
05 05 23 00-1064	EA		1/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	4.96	
			<i>For &gt;100 To 250, Deduct</i>	-0.54	
			<i>For &gt;250 To 500, Deduct</i>	-0.67	
			<i>For &gt;500, Deduct</i>	-0.80	
05 05 23 00-1065	EA		1/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	9.91	
			<i>For &gt;100 To 250, Deduct</i>	-0.54	
			<i>For &gt;250 To 500, Deduct</i>	-0.67	
			<i>For &gt;500, Deduct</i>	-0.80	
05 05 23 00-1066	EA		1/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	16.00	
			<i>For &gt;100 To 250, Deduct</i>	-0.55	
			<i>For &gt;250 To 500, Deduct</i>	-0.69	
			<i>For &gt;500, Deduct</i>	-0.83	
05 05 23 00-1067	EA		1/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	29.22	
			<i>For &gt;100 To 250, Deduct</i>	-0.55	
			<i>For &gt;250 To 500, Deduct</i>	-0.69	
			<i>For &gt;500, Deduct</i>	-0.83	
05 05 23 00-1068	EA		1/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	32.24	
			<i>For &gt;100 To 250, Deduct</i>	-0.55	
			<i>For &gt;250 To 500, Deduct</i>	-0.69	
			<i>For &gt;500, Deduct</i>	-0.83	
05 05 23 00-1069			<b>5/16" Diameter, 316 Stainless Steel, Hex Head Bolts</b> (05 05 23 00-1051) .....	3.00	
05 05 23 00-1070	EA		5/16" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	3.00	
			<i>For &gt;100 To 250, Deduct</i>	-0.49	
			<i>For &gt;250 To 500, Deduct</i>	-0.62	
			<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-1071	EA		5/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	3.17	
			<i>For &gt;100 To 250, Deduct</i>	-0.49	
			<i>For &gt;250 To 500, Deduct</i>	-0.62	
			<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-1072	EA		5/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	3.45	
			<i>For &gt;100 To 250, Deduct</i>	-0.49	
			<i>For &gt;250 To 500, Deduct</i>	-0.62	
			<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-1073	EA		5/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	3.67	
			<i>For &gt;100 To 250, Deduct</i>	-0.49	
			<i>For &gt;250 To 500, Deduct</i>	-0.62	
			<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-1074	EA		5/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	3.83	
			<i>For &gt;100 To 250, Deduct</i>	-0.51	
			<i>For &gt;250 To 500, Deduct</i>	-0.64	
			<i>For &gt;500, Deduct</i>	-0.76	
05 05 23 00-1075	EA		5/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	4.27	
			<i>For &gt;100 To 250, Deduct</i>	-0.51	
			<i>For &gt;250 To 500, Deduct</i>	-0.64	
			<i>For &gt;500, Deduct</i>	-0.76	
05 05 23 00-1076	EA		5/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	4.57	
			<i>For &gt;100 To 250, Deduct</i>	-0.51	
			<i>For &gt;250 To 500, Deduct</i>	-0.64	
			<i>For &gt;500, Deduct</i>	-0.76	
05 05 23 00-1077	EA		5/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	4.77	
			<i>For &gt;100 To 250, Deduct</i>	-0.52	
			<i>For &gt;250 To 500, Deduct</i>	-0.65	
			<i>For &gt;500, Deduct</i>	-0.78	
05 05 23 00-1078	EA		5/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	5.42	
			<i>For &gt;100 To 250, Deduct</i>	-0.52	
			<i>For &gt;250 To 500, Deduct</i>	-0.65	
			<i>For &gt;500, Deduct</i>	-0.78	
05 05 23 00-1079	EA		5/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	5.56	
			<i>For &gt;100 To 250, Deduct</i>	-0.52	
			<i>For &gt;250 To 500, Deduct</i>	-0.65	
			<i>For &gt;500, Deduct</i>	-0.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1080 EA 5/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	6.08	
<i>For &gt;100 To 250, Deduct</i>	-0.54	
<i>For &gt;250 To 500, Deduct</i>	-0.67	
<i>For &gt;500, Deduct</i>	-0.80	
05 05 23 00-1081 EA 5/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt .....	6.59	
<i>For &gt;100 To 250, Deduct</i>	-0.54	
<i>For &gt;250 To 500, Deduct</i>	-0.67	
<i>For &gt;500, Deduct</i>	-0.80	
05 05 23 00-1082 EA 5/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	10.81	
<i>For &gt;100 To 250, Deduct</i>	-0.54	
<i>For &gt;250 To 500, Deduct</i>	-0.67	
<i>For &gt;500, Deduct</i>	-0.80	
05 05 23 00-1083 EA 5/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt .....	16.88	
<i>For &gt;100 To 250, Deduct</i>	-0.55	
<i>For &gt;250 To 500, Deduct</i>	-0.69	
<i>For &gt;500, Deduct</i>	-0.83	
05 05 23 00-1084 3/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-1051) .....		
05 05 23 00-1085 EA 3/8" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	3.45	
<i>For &gt;100 To 250, Deduct</i>	-0.49	
<i>For &gt;250 To 500, Deduct</i>	-0.62	
<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-1086 EA 3/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt .....	3.52	
<i>For &gt;100 To 250, Deduct</i>	-0.49	
<i>For &gt;250 To 500, Deduct</i>	-0.62	
<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-1087 EA 3/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	3.78	
<i>For &gt;100 To 250, Deduct</i>	-0.49	
<i>For &gt;250 To 500, Deduct</i>	-0.62	
<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-1088 EA 3/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt .....	4.41	
<i>For &gt;100 To 250, Deduct</i>	-0.49	
<i>For &gt;250 To 500, Deduct</i>	-0.62	
<i>For &gt;500, Deduct</i>	-0.74	
05 05 23 00-1089 EA 3/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	4.70	
<i>For &gt;100 To 250, Deduct</i>	-0.51	
<i>For &gt;250 To 500, Deduct</i>	-0.64	
<i>For &gt;500, Deduct</i>	-0.76	
05 05 23 00-1090 EA 3/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt .....	4.82	
<i>For &gt;100 To 250, Deduct</i>	-0.51	
<i>For &gt;250 To 500, Deduct</i>	-0.64	
<i>For &gt;500, Deduct</i>	-0.76	
05 05 23 00-1091 EA 3/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	5.36	
<i>For &gt;100 To 250, Deduct</i>	-0.51	
<i>For &gt;250 To 500, Deduct</i>	-0.64	
<i>For &gt;500, Deduct</i>	-0.76	
05 05 23 00-1092 EA 3/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt .....	5.52	
<i>For &gt;100 To 250, Deduct</i>	-0.52	
<i>For &gt;250 To 500, Deduct</i>	-0.65	
<i>For &gt;500, Deduct</i>	-0.78	
05 05 23 00-1093 EA 3/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	5.86	
<i>For &gt;100 To 250, Deduct</i>	-0.52	
<i>For &gt;250 To 500, Deduct</i>	-0.65	
<i>For &gt;500, Deduct</i>	-0.78	
05 05 23 00-1094 EA 3/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt .....	6.09	
<i>For &gt;100 To 250, Deduct</i>	-0.52	
<i>For &gt;250 To 500, Deduct</i>	-0.65	
<i>For &gt;500, Deduct</i>	-0.78	
05 05 23 00-1095 EA 3/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	6.93	
<i>For &gt;100 To 250, Deduct</i>	-0.54	
<i>For &gt;250 To 500, Deduct</i>	-0.67	
<i>For &gt;500, Deduct</i>	-0.80	
05 05 23 00-1096 EA 3/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt .....	7.85	
<i>For &gt;100 To 250, Deduct</i>	-0.54	
<i>For &gt;250 To 500, Deduct</i>	-0.67	
<i>For &gt;500, Deduct</i>	-0.80	
05 05 23 00-1097 EA 3/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	7.89	
<i>For &gt;100 To 250, Deduct</i>	-0.54	
<i>For &gt;250 To 500, Deduct</i>	-0.67	
<i>For &gt;500, Deduct</i>	-0.80	
05 05 23 00-1098 EA 3/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt .....	10.32	
<i>For &gt;100 To 250, Deduct</i>	-0.55	
<i>For &gt;250 To 500, Deduct</i>	-0.69	
<i>For &gt;500, Deduct</i>	-0.83	
05 05 23 00-1099 EA 3/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	14.14	
<i>For &gt;100 To 250, Deduct</i>	-0.55	
<i>For &gt;250 To 500, Deduct</i>	-0.69	
<i>For &gt;500, Deduct</i>	-0.83	
05 05 23 00-1100 EA 3/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt .....	18.26	
<i>For &gt;100 To 250, Deduct</i>	-0.55	
<i>For &gt;250 To 500, Deduct</i>	-0.69	
<i>For &gt;500, Deduct</i>	-0.83	

## 05 Metals

## 05 05 Common Work Results For Metals

## 05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1101			7/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-1051)		
05 05 23 00-1102	EA		7/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	4.86	
			For >100 To 250, Deduct	-0.57	
			For >250 To 500, Deduct	-0.71	
			For >500, Deduct	-0.85	
05 05 23 00-1103	EA		7/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	5.26	
			For >100 To 250, Deduct	-0.57	
			For >250 To 500, Deduct	-0.71	
			For >500, Deduct	-0.85	
05 05 23 00-1104	EA		7/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	6.00	
			For >100 To 250, Deduct	-0.57	
			For >250 To 500, Deduct	-0.71	
			For >500, Deduct	-0.85	
05 05 23 00-1105	EA		7/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	6.71	
			For >100 To 250, Deduct	-0.58	
			For >250 To 500, Deduct	-0.73	
			For >500, Deduct	-0.87	
05 05 23 00-1106	EA		7/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	7.42	
			For >100 To 250, Deduct	-0.58	
			For >250 To 500, Deduct	-0.73	
			For >500, Deduct	-0.87	
05 05 23 00-1107	EA		7/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	8.59	
			For >100 To 250, Deduct	-0.58	
			For >250 To 500, Deduct	-0.73	
			For >500, Deduct	-0.87	
05 05 23 00-1108	EA		7/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	9.78	
			For >100 To 250, Deduct	-0.59	
			For >250 To 500, Deduct	-0.74	
			For >500, Deduct	-0.89	
05 05 23 00-1109	EA		7/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	9.98	
			For >100 To 250, Deduct	-0.59	
			For >250 To 500, Deduct	-0.74	
			For >500, Deduct	-0.89	
05 05 23 00-1110	EA		7/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	10.41	
			For >100 To 250, Deduct	-0.59	
			For >250 To 500, Deduct	-0.74	
			For >500, Deduct	-0.89	
05 05 23 00-1111	EA		7/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	10.76	
			For >100 To 250, Deduct	-0.61	
			For >250 To 500, Deduct	-0.76	
			For >500, Deduct	-0.91	
05 05 23 00-1112	EA		7/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	11.06	
			For >100 To 250, Deduct	-0.61	
			For >250 To 500, Deduct	-0.76	
			For >500, Deduct	-0.91	
05 05 23 00-1113	EA		7/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	11.37	
			For >100 To 250, Deduct	-0.61	
			For >250 To 500, Deduct	-0.76	
			For >500, Deduct	-0.91	
05 05 23 00-1114	EA		7/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	11.68	
			For >100 To 250, Deduct	-0.62	
			For >250 To 500, Deduct	-0.78	
			For >500, Deduct	-0.93	
05 05 23 00-1115			1/2" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-1051)		
05 05 23 00-1116	EA		1/2" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	4.84	
			For >100 To 250, Deduct	-0.57	
			For >250 To 500, Deduct	-0.71	
			For >500, Deduct	-0.85	
05 05 23 00-1117	EA		1/2" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	5.27	
			For >100 To 250, Deduct	-0.57	
			For >250 To 500, Deduct	-0.71	
			For >500, Deduct	-0.85	
05 05 23 00-1118	EA		1/2" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	5.87	
			For >100 To 250, Deduct	-0.57	
			For >250 To 500, Deduct	-0.71	
			For >500, Deduct	-0.85	
05 05 23 00-1119	EA		1/2" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	6.65	
			For >100 To 250, Deduct	-0.58	
			For >250 To 500, Deduct	-0.73	
			For >500, Deduct	-0.87	
05 05 23 00-1120	EA		1/2" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	7.31	
			For >100 To 250, Deduct	-0.58	
			For >250 To 500, Deduct	-0.73	
			For >500, Deduct	-0.87	
05 05 23 00-1121	EA		1/2" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	7.47	
			For >100 To 250, Deduct	-0.58	
			For >250 To 500, Deduct	-0.73	
			For >500, Deduct	-0.87	
05 05 23 00-1122	EA		1/2" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	7.82	
			For >100 To 250, Deduct	-0.59	
			For >250 To 500, Deduct	-0.74	
			For >500, Deduct	-0.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1123 EA 1/2" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	9.09	
<i>For &gt;100 To 250, Deduct</i>	-0.59	
<i>For &gt;250 To 500, Deduct</i>	-0.74	
<i>For &gt;500, Deduct</i>	-0.89	
05 05 23 00-1124 EA 1/2" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt .....	11.67	
<i>For &gt;100 To 250, Deduct</i>	-0.59	
<i>For &gt;250 To 500, Deduct</i>	-0.74	
<i>For &gt;500, Deduct</i>	-0.89	
05 05 23 00-1125 EA 1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	11.93	
<i>For &gt;100 To 250, Deduct</i>	-0.61	
<i>For &gt;250 To 500, Deduct</i>	-0.76	
<i>For &gt;500, Deduct</i>	-0.91	
05 05 23 00-1126 EA 1/2" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt .....	12.33	
<i>For &gt;100 To 250, Deduct</i>	-0.61	
<i>For &gt;250 To 500, Deduct</i>	-0.76	
<i>For &gt;500, Deduct</i>	-0.91	
05 05 23 00-1127 EA 1/2" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	15.52	
<i>For &gt;100 To 250, Deduct</i>	-0.61	
<i>For &gt;250 To 500, Deduct</i>	-0.76	
<i>For &gt;500, Deduct</i>	-0.91	
05 05 23 00-1128 EA 1/2" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt .....	17.73	
<i>For &gt;100 To 250, Deduct</i>	-0.62	
<i>For &gt;250 To 500, Deduct</i>	-0.78	
<i>For &gt;500, Deduct</i>	-0.93	
05 05 23 00-1129 EA 1/2" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	19.11	
<i>For &gt;100 To 250, Deduct</i>	-0.62	
<i>For &gt;250 To 500, Deduct</i>	-0.78	
<i>For &gt;500, Deduct</i>	-0.93	
05 05 23 00-1130 EA 1/2" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt .....	21.39	
<i>For &gt;100 To 250, Deduct</i>	-0.62	
<i>For &gt;250 To 500, Deduct</i>	-0.78	
<i>For &gt;500, Deduct</i>	-0.93	
05 05 23 00-1131 EA 1/2" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	27.51	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-1132 EA 1/2" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt .....	31.41	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-1133 EA 1/2" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	32.05	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-1134 EA 1/2" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt .....	33.04	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
<b>05 05 23 00-1135 9/16" Diameter, 316 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-1051)</small> .....	<b>15.53</b>	
<i>For &gt;100 To 250, Deduct</i>	-0.57	
<i>For &gt;250 To 500, Deduct</i>	-0.71	
<i>For &gt;500, Deduct</i>	-0.85	
05 05 23 00-1137 EA 9/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	16.93	
<i>For &gt;100 To 250, Deduct</i>	-0.57	
<i>For &gt;250 To 500, Deduct</i>	-0.71	
<i>For &gt;500, Deduct</i>	-0.85	
05 05 23 00-1138 EA 9/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt .....	21.62	
<i>For &gt;100 To 250, Deduct</i>	-0.57	
<i>For &gt;250 To 500, Deduct</i>	-0.71	
<i>For &gt;500, Deduct</i>	-0.85	
05 05 23 00-1139 EA 9/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	24.32	
<i>For &gt;100 To 250, Deduct</i>	-0.58	
<i>For &gt;250 To 500, Deduct</i>	-0.73	
<i>For &gt;500, Deduct</i>	-0.87	
05 05 23 00-1140 EA 9/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt .....	27.10	
<i>For &gt;100 To 250, Deduct</i>	-0.58	
<i>For &gt;250 To 500, Deduct</i>	-0.73	
<i>For &gt;500, Deduct</i>	-0.87	
05 05 23 00-1141 EA 9/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	29.87	
<i>For &gt;100 To 250, Deduct</i>	-0.58	
<i>For &gt;250 To 500, Deduct</i>	-0.73	
<i>For &gt;500, Deduct</i>	-0.87	
05 05 23 00-1142 EA 9/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt .....	31.67	
<i>For &gt;100 To 250, Deduct</i>	-0.59	
<i>For &gt;250 To 500, Deduct</i>	-0.74	
<i>For &gt;500, Deduct</i>	-0.89	
05 05 23 00-1143 EA 9/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	33.95	
<i>For &gt;100 To 250, Deduct</i>	-0.59	
<i>For &gt;250 To 500, Deduct</i>	-0.74	
<i>For &gt;500, Deduct</i>	-0.89	

**05 Metals****05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1144 EA 9/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	35.98	
For >100 To 250, Deduct	-0.59	
For >250 To 500, Deduct	-0.74	
For >500, Deduct	-0.89	
05 05 23 00-1145 EA 9/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	36.66	
For >100 To 250, Deduct	-0.61	
For >250 To 500, Deduct	-0.76	
For >500, Deduct	-0.91	
05 05 23 00-1146 EA 9/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	38.45	
For >100 To 250, Deduct	-0.61	
For >250 To 500, Deduct	-0.76	
For >500, Deduct	-0.91	
<b>05 05 23 00-1147 5/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-1051)</b>		
05 05 23 00-1148 EA 5/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	7.37	
For >100 To 250, Deduct	-0.64	
For >250 To 500, Deduct	-0.80	
For >500, Deduct	-0.95	
05 05 23 00-1149 EA 5/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	7.49	
For >100 To 250, Deduct	-0.64	
For >250 To 500, Deduct	-0.80	
For >500, Deduct	-0.95	
05 05 23 00-1150 EA 5/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	7.53	
For >100 To 250, Deduct	-0.64	
For >250 To 500, Deduct	-0.80	
For >500, Deduct	-0.95	
05 05 23 00-1151 EA 5/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	8.40	
For >100 To 250, Deduct	-0.65	
For >250 To 500, Deduct	-0.81	
For >500, Deduct	-0.98	
05 05 23 00-1152 EA 5/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	9.22	
For >100 To 250, Deduct	-0.65	
For >250 To 500, Deduct	-0.81	
For >500, Deduct	-0.98	
05 05 23 00-1153 EA 5/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	11.83	
For >100 To 250, Deduct	-0.65	
For >250 To 500, Deduct	-0.81	
For >500, Deduct	-0.98	
05 05 23 00-1154 EA 5/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	12.45	
For >100 To 250, Deduct	-0.66	
For >250 To 500, Deduct	-0.83	
For >500, Deduct	-1.00	
05 05 23 00-1155 EA 5/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	14.74	
For >100 To 250, Deduct	-0.66	
For >250 To 500, Deduct	-0.83	
For >500, Deduct	-1.00	
05 05 23 00-1156 EA 5/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	15.53	
For >100 To 250, Deduct	-0.66	
For >250 To 500, Deduct	-0.83	
For >500, Deduct	-1.00	
05 05 23 00-1157 EA 5/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	17.10	
For >100 To 250, Deduct	-0.68	
For >250 To 500, Deduct	-0.85	
For >500, Deduct	-1.02	
05 05 23 00-1158 EA 5/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	17.75	
For >100 To 250, Deduct	-0.68	
For >250 To 500, Deduct	-0.85	
For >500, Deduct	-1.02	
05 05 23 00-1159 EA 5/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	21.76	
For >100 To 250, Deduct	-0.68	
For >250 To 500, Deduct	-0.85	
For >500, Deduct	-1.02	
05 05 23 00-1160 EA 5/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	23.27	
For >100 To 250, Deduct	-0.69	
For >250 To 500, Deduct	-0.87	
For >500, Deduct	-1.04	
05 05 23 00-1161 EA 5/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	23.78	
For >100 To 250, Deduct	-0.69	
For >250 To 500, Deduct	-0.87	
For >500, Deduct	-1.04	
05 05 23 00-1162 EA 5/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	25.65	
For >100 To 250, Deduct	-0.69	
For >250 To 500, Deduct	-0.87	
For >500, Deduct	-1.04	
05 05 23 00-1163 EA 5/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	27.40	
For >100 To 250, Deduct	-0.71	
For >250 To 500, Deduct	-0.88	
For >500, Deduct	-1.06	
05 05 23 00-1164 EA 5/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	28.99	
For >100 To 250, Deduct	-0.71	
For >250 To 500, Deduct	-0.88	
For >500, Deduct	-1.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1165 EA 5/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	36.54	
<i>For &gt;100 To 250, Deduct</i>	-0.71	
<i>For &gt;250 To 500, Deduct</i>	-0.88	
<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-1166 EA 5/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt .....	44.62	
<i>For &gt;100 To 250, Deduct</i>	-0.71	
<i>For &gt;250 To 500, Deduct</i>	-0.88	
<i>For &gt;500, Deduct</i>	-1.06	
<b>05 05 23 00-1167 3/4" Diameter, 316 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-1051)</small>		
05 05 23 00-1168 EA 3/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt .....	10.54	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-1169 EA 3/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	10.83	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-1170 EA 3/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt .....	11.92	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-0.95	
05 05 23 00-1171 EA 3/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	12.94	
<i>For &gt;100 To 250, Deduct</i>	-0.65	
<i>For &gt;250 To 500, Deduct</i>	-0.81	
<i>For &gt;500, Deduct</i>	-0.98	
05 05 23 00-1172 EA 3/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt .....	14.97	
<i>For &gt;100 To 250, Deduct</i>	-0.65	
<i>For &gt;250 To 500, Deduct</i>	-0.81	
<i>For &gt;500, Deduct</i>	-0.98	
05 05 23 00-1173 EA 3/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	16.15	
<i>For &gt;100 To 250, Deduct</i>	-0.65	
<i>For &gt;250 To 500, Deduct</i>	-0.81	
<i>For &gt;500, Deduct</i>	-0.98	
05 05 23 00-1174 EA 3/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt .....	18.73	
<i>For &gt;100 To 250, Deduct</i>	-0.66	
<i>For &gt;250 To 500, Deduct</i>	-0.83	
<i>For &gt;500, Deduct</i>	-1.00	
05 05 23 00-1175 EA 3/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	19.77	
<i>For &gt;100 To 250, Deduct</i>	-0.66	
<i>For &gt;250 To 500, Deduct</i>	-0.83	
<i>For &gt;500, Deduct</i>	-1.00	
05 05 23 00-1176 EA 3/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt .....	20.33	
<i>For &gt;100 To 250, Deduct</i>	-0.66	
<i>For &gt;250 To 500, Deduct</i>	-0.83	
<i>For &gt;500, Deduct</i>	-1.00	
05 05 23 00-1177 EA 3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	21.17	
<i>For &gt;100 To 250, Deduct</i>	-0.68	
<i>For &gt;250 To 500, Deduct</i>	-0.85	
<i>For &gt;500, Deduct</i>	-1.02	
05 05 23 00-1178 EA 3/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt .....	22.47	
<i>For &gt;100 To 250, Deduct</i>	-0.68	
<i>For &gt;250 To 500, Deduct</i>	-0.85	
<i>For &gt;500, Deduct</i>	-1.02	
05 05 23 00-1179 EA 3/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	26.47	
<i>For &gt;100 To 250, Deduct</i>	-0.68	
<i>For &gt;250 To 500, Deduct</i>	-0.85	
<i>For &gt;500, Deduct</i>	-1.02	
05 05 23 00-1180 EA 3/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt .....	32.33	
<i>For &gt;100 To 250, Deduct</i>	-0.69	
<i>For &gt;250 To 500, Deduct</i>	-0.87	
<i>For &gt;500, Deduct</i>	-1.04	
05 05 23 00-1181 EA 3/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	36.84	
<i>For &gt;100 To 250, Deduct</i>	-0.69	
<i>For &gt;250 To 500, Deduct</i>	-0.87	
<i>For &gt;500, Deduct</i>	-1.04	
05 05 23 00-1182 EA 3/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt .....	37.52	
<i>For &gt;100 To 250, Deduct</i>	-0.69	
<i>For &gt;250 To 500, Deduct</i>	-0.87	
<i>For &gt;500, Deduct</i>	-1.04	
05 05 23 00-1183 EA 3/4" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	40.30	
<i>For &gt;100 To 250, Deduct</i>	-0.71	
<i>For &gt;250 To 500, Deduct</i>	-0.88	
<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-1184 EA 3/4" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt .....	47.14	
<i>For &gt;100 To 250, Deduct</i>	-0.71	
<i>For &gt;250 To 500, Deduct</i>	-0.88	
<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-1185 EA 3/4" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	47.72	
<i>For &gt;100 To 250, Deduct</i>	-0.71	
<i>For &gt;250 To 500, Deduct</i>	-0.88	
<i>For &gt;500, Deduct</i>	-1.06	

## 05 Metals

## 05 05 Common Work Results For Metals

## 05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1186	EA		3/4" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	49.16	
			<i>For &gt;100 To 250, Deduct</i>	-0.71	
			<i>For &gt;250 To 500, Deduct</i>	-0.88	
			<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-1187			<b>7/8" Diameter, 316 Stainless Steel, Hex Head Bolts</b> (05 05 23 00-1051)		
05 05 23 00-1188	EA		7/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	11.93	
			<i>For &gt;100 To 250, Deduct</i>	-0.71	
			<i>For &gt;250 To 500, Deduct</i>	-0.88	
			<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-1189	EA		7/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	13.81	
			<i>For &gt;100 To 250, Deduct</i>	-0.71	
			<i>For &gt;250 To 500, Deduct</i>	-0.88	
			<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-1190	EA		7/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	14.92	
			<i>For &gt;100 To 250, Deduct</i>	-0.72	
			<i>For &gt;250 To 500, Deduct</i>	-0.90	
			<i>For &gt;500, Deduct</i>	-1.08	
05 05 23 00-1191	EA		7/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	17.55	
			<i>For &gt;100 To 250, Deduct</i>	-0.72	
			<i>For &gt;250 To 500, Deduct</i>	-0.90	
			<i>For &gt;500, Deduct</i>	-1.08	
05 05 23 00-1192	EA		7/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	18.73	
			<i>For &gt;100 To 250, Deduct</i>	-0.72	
			<i>For &gt;250 To 500, Deduct</i>	-0.90	
			<i>For &gt;500, Deduct</i>	-1.08	
05 05 23 00-1193	EA		7/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	19.83	
			<i>For &gt;100 To 250, Deduct</i>	-0.74	
			<i>For &gt;250 To 500, Deduct</i>	-0.92	
			<i>For &gt;500, Deduct</i>	-1.10	
05 05 23 00-1194	EA		7/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	21.43	
			<i>For &gt;100 To 250, Deduct</i>	-0.74	
			<i>For &gt;250 To 500, Deduct</i>	-0.92	
			<i>For &gt;500, Deduct</i>	-1.10	
05 05 23 00-1195	EA		7/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	25.01	
			<i>For &gt;100 To 250, Deduct</i>	-0.74	
			<i>For &gt;250 To 500, Deduct</i>	-0.92	
			<i>For &gt;500, Deduct</i>	-1.10	
05 05 23 00-1196	EA		7/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	25.17	
			<i>For &gt;100 To 250, Deduct</i>	-0.75	
			<i>For &gt;250 To 500, Deduct</i>	-0.94	
			<i>For &gt;500, Deduct</i>	-1.13	
05 05 23 00-1197	EA		7/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	26.36	
			<i>For &gt;100 To 250, Deduct</i>	-0.75	
			<i>For &gt;250 To 500, Deduct</i>	-0.94	
			<i>For &gt;500, Deduct</i>	-1.13	
05 05 23 00-1198	EA		7/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	36.40	
			<i>For &gt;100 To 250, Deduct</i>	-0.75	
			<i>For &gt;250 To 500, Deduct</i>	-0.94	
			<i>For &gt;500, Deduct</i>	-1.13	
05 05 23 00-1199	EA		7/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	40.90	
			<i>For &gt;100 To 250, Deduct</i>	-0.76	
			<i>For &gt;250 To 500, Deduct</i>	-0.96	
			<i>For &gt;500, Deduct</i>	-1.15	
05 05 23 00-1200	EA		7/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	45.66	
			<i>For &gt;100 To 250, Deduct</i>	-0.76	
			<i>For &gt;250 To 500, Deduct</i>	-0.96	
			<i>For &gt;500, Deduct</i>	-1.15	
05 05 23 00-1201	EA		7/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	48.01	
			<i>For &gt;100 To 250, Deduct</i>	-0.76	
			<i>For &gt;250 To 500, Deduct</i>	-0.96	
			<i>For &gt;500, Deduct</i>	-1.15	
05 05 23 00-1202	EA		7/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	51.12	
			<i>For &gt;100 To 250, Deduct</i>	-0.78	
			<i>For &gt;250 To 500, Deduct</i>	-0.97	
			<i>For &gt;500, Deduct</i>	-1.17	
05 05 23 00-1203	EA		7/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	53.17	
			<i>For &gt;100 To 250, Deduct</i>	-0.78	
			<i>For &gt;250 To 500, Deduct</i>	-0.97	
			<i>For &gt;500, Deduct</i>	-1.17	
05 05 23 00-1204	EA		7/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	55.19	
			<i>For &gt;100 To 250, Deduct</i>	-0.78	
			<i>For &gt;250 To 500, Deduct</i>	-0.97	
			<i>For &gt;500, Deduct</i>	-1.17	
05 05 23 00-1205	EA		7/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	57.46	
			<i>For &gt;100 To 250, Deduct</i>	-0.78	
			<i>For &gt;250 To 500, Deduct</i>	-0.97	
			<i>For &gt;500, Deduct</i>	-1.17	

05 05 23 00-1206 1" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-1051)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1207 EA 1" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt .....	16.07	
<i>For &gt;100 To 250, Deduct</i>	-0.71	
<i>For &gt;250 To 500, Deduct</i>	-0.88	
<i>For &gt;500, Deduct</i>	-1.06	
05 05 23 00-1208 EA 1" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	19.04	
<i>For &gt;100 To 250, Deduct</i>	-0.72	
<i>For &gt;250 To 500, Deduct</i>	-0.90	
<i>For &gt;500, Deduct</i>	-1.08	
05 05 23 00-1209 EA 1" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt .....	20.98	
<i>For &gt;100 To 250, Deduct</i>	-0.72	
<i>For &gt;250 To 500, Deduct</i>	-0.90	
<i>For &gt;500, Deduct</i>	-1.08	
05 05 23 00-1210 EA 1" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	24.08	
<i>For &gt;100 To 250, Deduct</i>	-0.72	
<i>For &gt;250 To 500, Deduct</i>	-0.90	
<i>For &gt;500, Deduct</i>	-1.08	
05 05 23 00-1211 EA 1" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt .....	25.26	
<i>For &gt;100 To 250, Deduct</i>	-0.74	
<i>For &gt;250 To 500, Deduct</i>	-0.92	
<i>For &gt;500, Deduct</i>	-1.10	
05 05 23 00-1212 EA 1" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	27.36	
<i>For &gt;100 To 250, Deduct</i>	-0.74	
<i>For &gt;250 To 500, Deduct</i>	-0.92	
<i>For &gt;500, Deduct</i>	-1.10	
05 05 23 00-1213 EA 1" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt .....	29.48	
<i>For &gt;100 To 250, Deduct</i>	-0.74	
<i>For &gt;250 To 500, Deduct</i>	-0.92	
<i>For &gt;500, Deduct</i>	-1.10	
05 05 23 00-1214 EA 1" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	31.68	
<i>For &gt;100 To 250, Deduct</i>	-0.75	
<i>For &gt;250 To 500, Deduct</i>	-0.94	
<i>For &gt;500, Deduct</i>	-1.13	
05 05 23 00-1215 EA 1" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt .....	37.17	
<i>For &gt;100 To 250, Deduct</i>	-0.75	
<i>For &gt;250 To 500, Deduct</i>	-0.94	
<i>For &gt;500, Deduct</i>	-1.13	
05 05 23 00-1216 EA 1" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	42.57	
<i>For &gt;100 To 250, Deduct</i>	-0.75	
<i>For &gt;250 To 500, Deduct</i>	-0.94	
<i>For &gt;500, Deduct</i>	-1.13	
05 05 23 00-1217 EA 1" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt .....	50.04	
<i>For &gt;100 To 250, Deduct</i>	-0.76	
<i>For &gt;250 To 500, Deduct</i>	-0.96	
<i>For &gt;500, Deduct</i>	-1.15	
05 05 23 00-1218 EA 1" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	56.26	
<i>For &gt;100 To 250, Deduct</i>	-0.76	
<i>For &gt;250 To 500, Deduct</i>	-0.96	
<i>For &gt;500, Deduct</i>	-1.15	
05 05 23 00-1219 EA 1" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt .....	57.15	
<i>For &gt;100 To 250, Deduct</i>	-0.76	
<i>For &gt;250 To 500, Deduct</i>	-0.96	
<i>For &gt;500, Deduct</i>	-1.15	
05 05 23 00-1220 EA 1" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	59.25	
<i>For &gt;100 To 250, Deduct</i>	-0.78	
<i>For &gt;250 To 500, Deduct</i>	-0.97	
<i>For &gt;500, Deduct</i>	-1.17	
05 05 23 00-1221 EA 1" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt .....	60.10	
<i>For &gt;100 To 250, Deduct</i>	-0.78	
<i>For &gt;250 To 500, Deduct</i>	-0.97	
<i>For &gt;500, Deduct</i>	-1.17	
05 05 23 00-1222 EA 1" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	70.42	
<i>For &gt;100 To 250, Deduct</i>	-0.78	
<i>For &gt;250 To 500, Deduct</i>	-0.97	
<i>For &gt;500, Deduct</i>	-1.17	
05 05 23 00-1223 EA 1" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt .....	80.39	
<i>For &gt;100 To 250, Deduct</i>	-0.78	
<i>For &gt;250 To 500, Deduct</i>	-0.97	
<i>For &gt;500, Deduct</i>	-1.17	
 05 05 23 00-1224 <b>Threaded Rod</b> <small>(05 05 23)</small>		
Note: Fully threaded. See CSI section 05 05 19 00-0169 for anchoring adhesive, 05 05 23 00-1317 for nuts and washers.		
 05 05 23 00-1225 <b>Plain Finish Steel, Low Carbon Threaded Rod</b> <small>(05 05 23 00-1224)</small>		
05 05 23 00-1226 LF 1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	1.54	0.32
<i>For Left Hand Threaded Rod, Add</i>	0.09	
05 05 23 00-1227 LF 5/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	2.07	0.35
<i>For Left Hand Threaded Rod, Add</i>	0.14	
05 05 23 00-1228 LF 3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	2.40	0.40
<i>For Left Hand Threaded Rod, Add</i>	0.16	
05 05 23 00-1229 LF 7/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	3.31	0.41
<i>For Left Hand Threaded Rod, Add</i>	0.25	
05 05 23 00-1230 LF 1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	3.39	0.43
<i>For Left Hand Threaded Rod, Add</i>	0.25	



**05 Metals****05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1231	LF		9/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	4.25	0.44
			<i>For Left Hand Threaded Rod, Add</i>	0.34	
05 05 23 00-1232	LF		5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	4.81	0.44
			<i>For Left Hand Threaded Rod, Add</i>	0.39	
05 05 23 00-1233	LF		3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	8.03	0.46
			<i>For Left Hand Threaded Rod, Add</i>	0.71	
05 05 23 00-1234	LF		7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	8.77	0.47
			<i>For Left Hand Threaded Rod, Add</i>	0.78	
05 05 23 00-1235	LF		1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	12.05	0.53
			<i>For Left Hand Threaded Rod, Add</i>	1.10	
05 05 23 00-1236	LF		1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	15.04	0.60
			<i>For Left Hand Threaded Rod, Add</i>	1.38	
05 05 23 00-1237	LF		1-1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	20.02	0.65
			<i>For Left Hand Threaded Rod, Add</i>	1.87	
05 05 23 00-1238	LF		1-3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	24.98	0.71
			<i>For Left Hand Threaded Rod, Add</i>	2.36	
05 05 23 00-1239	LF		1-1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	29.93	0.74
			<i>For Left Hand Threaded Rod, Add</i>	2.85	
05 05 23 00-1240	LF		1-3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	36.78	0.77
			<i>For Left Hand Threaded Rod, Add</i>	3.52	
05 05 23 00-1241	LF		2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	47.08	0.81
			<i>For Left Hand Threaded Rod, Add</i>	4.55	
<b>05 05 23 00-1242</b>			<b>Zinc Plated Steel, Low Carbon Threaded Rod</b> <small>(05 05 23 00-1224)</small>		
05 05 23 00-1243	LF		1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod .....	1.56	0.32
			<i>For Left Hand Threaded Rod, Add</i>	0.09	
05 05 23 00-1244	LF		5/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod .....	2.37	0.35
			<i>For Left Hand Threaded Rod, Add</i>	0.17	
05 05 23 00-1245	LF		3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod .....	2.62	0.40
			<i>For Left Hand Threaded Rod, Add</i>	0.18	
05 05 23 00-1246	LF		7/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod .....	3.87	0.41
			<i>For Left Hand Threaded Rod, Add</i>	0.30	
05 05 23 00-1247	LF		1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod .....	4.17	0.43
			<i>For Left Hand Threaded Rod, Add</i>	0.33	
05 05 23 00-1248	LF		9/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod .....	5.53	0.44
			<i>For Left Hand Threaded Rod, Add</i>	0.47	
05 05 23 00-1249	LF		5/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod .....	5.88	0.44
			<i>For Left Hand Threaded Rod, Add</i>	0.50	
05 05 23 00-1250	LF		3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod .....	8.95	0.46
			<i>For Left Hand Threaded Rod, Add</i>	0.80	
05 05 23 00-1251	LF		7/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod .....	11.65	0.47
			<i>For Left Hand Threaded Rod, Add</i>	1.07	
05 05 23 00-1252	LF		1" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod .....	15.69	0.53
			<i>For Left Hand Threaded Rod, Add</i>	1.46	
05 05 23 00-1253	LF		1-1/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod .....	20.31	0.60
			<i>For Left Hand Threaded Rod, Add</i>	1.91	
05 05 23 00-1254	LF		1-1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod .....	24.25	0.65
			<i>For Left Hand Threaded Rod, Add</i>	2.29	
05 05 23 00-1255	LF		1-3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod .....	27.60	0.71
			<i>For Left Hand Threaded Rod, Add</i>	2.62	
05 05 23 00-1256	LF		1-1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod .....	34.83	0.74
			<i>For Left Hand Threaded Rod, Add</i>	3.34	
05 05 23 00-1257	LF		1-3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod .....	43.24	0.77
			<i>For Left Hand Threaded Rod, Add</i>	4.17	
05 05 23 00-1258	LF		2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod .....	63.26	0.81
			<i>For Left Hand Threaded Rod, Add</i>	6.16	
<b>05 05 23 00-1259</b>			<b>Hot Dipped Galvanized Steel, Low Carbon Threaded Rod</b> <small>(05 05 23 00-1224)</small>		
05 05 23 00-1260	LF		3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod .....	4.46	0.40
			<i>For Left Hand Threaded Rod, Add</i>	0.37	
05 05 23 00-1261	LF		1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod .....	6.31	0.43
			<i>For Left Hand Threaded Rod, Add</i>	0.55	
05 05 23 00-1262	LF		5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod .....	8.59	0.44
			<i>For Left Hand Threaded Rod, Add</i>	0.77	
05 05 23 00-1263	LF		3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod .....	11.87	0.46
			<i>For Left Hand Threaded Rod, Add</i>	1.10	
05 05 23 00-1264	LF		7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod .....	16.51	0.47
			<i>For Left Hand Threaded Rod, Add</i>	1.56	
05 05 23 00-1265	LF		1" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod .....	21.35	0.53
			<i>For Left Hand Threaded Rod, Add</i>	2.03	
05 05 23 00-1266	LF		1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod .....	28.14	0.60
			<i>For Left Hand Threaded Rod, Add</i>	2.69	
05 05 23 00-1267	LF		1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod .....	37.07	0.65
			<i>For Left Hand Threaded Rod, Add</i>	3.57	
05 05 23 00-1268	LF		1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod .....	41.46	0.71
			<i>For Left Hand Threaded Rod, Add</i>	4.01	
05 05 23 00-1269	LF		1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod .....	49.40	0.74
			<i>For Left Hand Threaded Rod, Add</i>	4.79	
05 05 23 00-1270	LF		1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod .....	60.09	0.77
			<i>For Left Hand Threaded Rod, Add</i>	5.86	
05 05 23 00-1271	LF		2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod .....	105.17	0.81
			<i>For Left Hand Threaded Rod, Add</i>	10.36	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>05 05 23 00-1272 304/18-8 Stainless Steel Threaded Rod</b> <small>(05 05 23 00-1224)</small>						
			LF	1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	2.18	0.32
				<i>For Left Hand Threaded Rod, Add</i>	0.15	
			LF	5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	3.34	0.35
				<i>For Left Hand Threaded Rod, Add</i>	0.26	
			LF	3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	4.31	0.40
				<i>For Left Hand Threaded Rod, Add</i>	0.35	
			LF	7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	6.05	0.41
				<i>For Left Hand Threaded Rod, Add</i>	0.52	
			LF	1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	7.27	0.43
				<i>For Left Hand Threaded Rod, Add</i>	0.64	
			LF	9/16" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	10.53	0.44
				<i>For Left Hand Threaded Rod, Add</i>	0.97	
			LF	5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	11.01	0.44
				<i>For Left Hand Threaded Rod, Add</i>	1.01	
			LF	3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	15.47	0.46
				<i>For Left Hand Threaded Rod, Add</i>	1.46	
			LF	7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	21.33	0.47
				<i>For Left Hand Threaded Rod, Add</i>	2.04	
			LF	1" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	27.39	0.53
				<i>For Left Hand Threaded Rod, Add</i>	2.63	
			LF	1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	58.17	0.65
				<i>For Left Hand Threaded Rod, Add</i>	5.68	
			LF	1-1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	88.68	0.74
				<i>For Left Hand Threaded Rod, Add</i>	8.72	
			LF	1-3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	91.21	0.77
				<i>For Left Hand Threaded Rod, Add</i>	8.97	
			LF	2" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	126.31	0.81
				<i>For Left Hand Threaded Rod, Add</i>	12.47	
<b>05 05 23 00-1287 316 Stainless Steel Threaded Rod</b> <small>(05 05 23 00-1224)</small>						
			LF	1/4" Diameter, 316 Stainless Steel Threaded Rod .....	3.22	0.32
				<i>For Left Hand Threaded Rod, Add</i>	0.26	
			LF	5/16" Diameter, 316 Stainless Steel Threaded Rod .....	5.25	0.35
				<i>For Left Hand Threaded Rod, Add</i>	0.45	
			LF	3/8" Diameter, 316 Stainless Steel Threaded Rod .....	6.99	0.40
				<i>For Left Hand Threaded Rod, Add</i>	0.62	
			LF	7/16" Diameter, 316 Stainless Steel Threaded Rod .....	11.00	0.41
				<i>For Left Hand Threaded Rod, Add</i>	1.02	
			LF	1/2" Diameter, 316 Stainless Steel Threaded Rod .....	11.66	0.43
				<i>For Left Hand Threaded Rod, Add</i>	1.08	
			LF	9/16" Diameter, 316 Stainless Steel Threaded Rod .....	15.36	0.44
				<i>For Left Hand Threaded Rod, Add</i>	1.45	
			LF	5/8" Diameter, 316 Stainless Steel Threaded Rod .....	16.54	0.44
				<i>For Left Hand Threaded Rod, Add</i>	1.56	
			LF	3/4" Diameter, 316 Stainless Steel Threaded Rod .....	24.18	0.46
				<i>For Left Hand Threaded Rod, Add</i>	2.33	
			LF	7/8" Diameter, 316 Stainless Steel Threaded Rod .....	33.16	0.47
				<i>For Left Hand Threaded Rod, Add</i>	3.22	
			LF	1" Diameter, 316 Stainless Steel Threaded Rod .....	41.99	0.53
				<i>For Left Hand Threaded Rod, Add</i>	4.09	
			LF	1-1/4" Diameter, 316 Stainless Steel Threaded Rod .....	88.82	0.65
				<i>For Left Hand Threaded Rod, Add</i>	8.75	
			LF	1-1/2" Diameter, 316 Stainless Steel Threaded Rod .....	116.47	0.74
				<i>For Left Hand Threaded Rod, Add</i>	11.50	
<b>05 05 23 00-1300 Plain Finish Steel, B-7 Alloy Threaded Rod</b> <small>(05 05 23 00-1224)</small>						
			LF	1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	2.80	0.32
				<i>For Zinc Plating, Add</i>	1.08	
			LF	5/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	4.41	0.35
				<i>For Zinc Plating, Add</i>	1.85	
			LF	3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	4.58	0.40
				<i>For Zinc Plating, Add</i>	1.89	
			LF	7/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	5.02	0.41
				<i>For Zinc Plating, Add</i>	2.09	
			LF	1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	5.55	0.43
				<i>For Zinc Plating, Add</i>	2.35	
			LF	9/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	6.99	0.44
				<i>For Zinc Plating, Add</i>	3.06	
			LF	5/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	7.22	0.44
				<i>For Zinc Plating, Add</i>	3.16	
			LF	3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	9.66	0.46
				<i>For Zinc Plating, Add</i>	4.37	
			LF	7/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	11.62	0.47
				<i>For Zinc Plating, Add</i>	5.34	
			LF	1" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	15.13	0.53
				<i>For Zinc Plating, Add</i>	7.03	
			LF	1-1/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	19.74	0.60
				<i>For Zinc Plating, Add</i>	9.27	

**05 Metals****05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1312 LF 1-1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	21.97	0.65
For Zinc Plating, Add	10.31	
05 05 23 00-1313 LF 1-3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	25.41	0.71
For Zinc Plating, Add	12.00	
05 05 23 00-1314 LF 1-1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	30.96	0.74
For Zinc Plating, Add	14.75	
05 05 23 00-1315 LF 1-3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	32.00	0.77
For Zinc Plating, Add	15.23	
05 05 23 00-1316 LF 2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	43.10	0.81
For Zinc Plating, Add	20.74	
<b>05 05 23 00-1317 Nuts And Washers (05 05 23)</b>		
<b>05 05 23 00-1318 Hex Nuts (05 05 23 00-1317)</b>		
<b>05 05 23 00-1319 Zinc Plated Steel, Low Carbon/Grade 2 Hex Nuts (05 05 23 00-1318)</b>		
05 05 23 00-1320 EA 1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	0.24	0.10
05 05 23 00-1321 EA 5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	0.28	0.10
05 05 23 00-1322 EA 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	0.31	0.10
05 05 23 00-1323 EA 7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	0.39	0.10
05 05 23 00-1324 EA 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	0.43	0.10
05 05 23 00-1325 EA 9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	0.67	0.10
05 05 23 00-1326 EA 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	0.70	0.10
05 05 23 00-1327 EA 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	0.86	0.19
05 05 23 00-1328 EA 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	1.39	0.19
05 05 23 00-1329 EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	1.82	0.19
05 05 23 00-1330 EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	3.20	0.19
05 05 23 00-1331 EA 1-1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	3.97	0.19
05 05 23 00-1332 EA 1-3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	6.07	0.19
05 05 23 00-1333 EA 1-1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	7.09	0.29
05 05 23 00-1334 EA 1-3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	10.63	0.29
05 05 23 00-1335 EA 2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	15.60	0.29
<b>05 05 23 00-1336 Zinc Plated Steel, Grade 5 Hex Nuts (05 05 23 00-1318)</b>		
05 05 23 00-1337 EA 1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	0.26	0.10
05 05 23 00-1338 EA 5/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	0.29	0.10
05 05 23 00-1339 EA 3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	0.33	0.10
05 05 23 00-1340 EA 7/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	0.42	0.10
05 05 23 00-1341 EA 1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	0.52	0.10
05 05 23 00-1342 EA 9/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	0.69	0.10
05 05 23 00-1343 EA 5/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	0.72	0.10
05 05 23 00-1344 EA 3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	1.02	0.19
05 05 23 00-1345 EA 7/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	1.55	0.19
05 05 23 00-1346 EA 1" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	2.30	0.19
05 05 23 00-1347 EA 1-1/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	3.68	0.19
05 05 23 00-1348 EA 1-1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	5.34	0.19
05 05 23 00-1349 EA 1-3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	8.06	0.19
05 05 23 00-1350 EA 1-1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	8.94	0.29
05 05 23 00-1351 EA 1-3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	16.55	0.29
05 05 23 00-1352 EA 2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	23.95	0.29
<b>05 05 23 00-1353 Zinc Plated Steel, Grade 8 Hex Nuts (05 05 23 00-1318)</b>		
05 05 23 00-1354 EA 1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	0.27	0.10
05 05 23 00-1355 EA 5/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	0.33	0.10
05 05 23 00-1356 EA 3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	0.37	0.10
05 05 23 00-1357 EA 7/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	0.52	0.10
05 05 23 00-1358 EA 1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	0.66	0.10
05 05 23 00-1359 EA 9/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	0.85	0.10
05 05 23 00-1360 EA 5/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	1.01	0.10
05 05 23 00-1361 EA 3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	1.31	0.19
05 05 23 00-1362 EA 7/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	2.11	0.19
05 05 23 00-1363 EA 1" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	2.88	0.19
05 05 23 00-1364 EA 1-1/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	4.71	0.19
05 05 23 00-1365 EA 1-1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	5.94	0.19
05 05 23 00-1366 EA 1-3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	10.09	0.19
05 05 23 00-1367 EA 1-1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	10.72	0.29
05 05 23 00-1368 EA 1-3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	16.60	0.29
05 05 23 00-1369 EA 2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	23.68	0.29
<b>05 05 23 00-1370 Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nuts (05 05 23 00-1318)</b>		
05 05 23 00-1371 EA 1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut .....	0.27	0.10
05 05 23 00-1372 EA 5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut .....	0.31	0.10
05 05 23 00-1373 EA 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut .....	0.35	0.10
05 05 23 00-1374 EA 7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut .....	0.50	0.10
05 05 23 00-1375 EA 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut .....	0.60	0.10
05 05 23 00-1376 EA 9/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut .....	0.70	0.10
05 05 23 00-1377 EA 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut .....	0.81	0.10



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1378 EA 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut .....	1.16	0.19
05 05 23 00-1379 EA 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut .....	1.81	0.19
05 05 23 00-1380 EA 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut .....	2.60	0.19
05 05 23 00-1381 EA 1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut .....	4.53	0.19
05 05 23 00-1382 EA 1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut .....	5.90	0.19
05 05 23 00-1383 EA 1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut .....	8.98	0.19
05 05 23 00-1384 EA 1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut .....	10.54	0.29
05 05 23 00-1385 EA 1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut .....	18.77	0.29
05 05 23 00-1386 EA 2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut .....	32.87	0.29
<b>05 05 23 00-1387 304 Stainless Steel Hex Nuts</b> (05 05 23 00-1318)		
05 05 23 00-1388 EA 1/4" Diameter, 304 Stainless Steel Hex Nut .....	0.31	0.10
05 05 23 00-1389 EA 5/16" Diameter, 304 Stainless Steel Hex Nut .....	0.39	0.10
05 05 23 00-1390 EA 3/8" Diameter, 304 Stainless Steel Hex Nut .....	0.46	0.10
05 05 23 00-1391 EA 7/16" Diameter, 304 Stainless Steel Hex Nut .....	0.79	0.10
05 05 23 00-1392 EA 1/2" Diameter, 304 Stainless Steel Hex Nut .....	0.86	0.10
05 05 23 00-1393 EA 9/16" Diameter, 304 Stainless Steel Hex Nut .....	1.44	0.10
05 05 23 00-1394 EA 5/8" Diameter, 304 Stainless Steel Hex Nut .....	1.63	0.10
05 05 23 00-1395 EA 3/4" Diameter, 304 Stainless Steel Hex Nut .....	1.90	0.19
05 05 23 00-1396 EA 7/8" Diameter, 304 Stainless Steel Hex Nut .....	3.28	0.19
05 05 23 00-1397 EA 1" Diameter, 304 Stainless Steel Hex Nut .....	5.12	0.19
05 05 23 00-1398 EA 1-1/4" Diameter, 304 Stainless Steel Hex Nut .....	12.72	0.19
05 05 23 00-1399 EA 1-1/2" Diameter, 304 Stainless Steel Hex Nut .....	24.80	0.29
05 05 23 00-1400 EA 1-3/4" Diameter, 304 Stainless Steel Hex Nut .....	43.94	0.29
05 05 23 00-1401 EA 2" Diameter, 304 Stainless Steel Hex Nut .....	62.80	0.29
<b>05 05 23 00-1402 316 Stainless Steel Hex Nuts</b> (05 05 23 00-1318)		
05 05 23 00-1403 EA 1/4" Diameter, 316 Stainless Steel Hex Nut .....	0.40	0.10
05 05 23 00-1404 EA 5/16" Diameter, 316 Stainless Steel Hex Nut .....	0.47	0.10
05 05 23 00-1405 EA 3/8" Diameter, 316 Stainless Steel Hex Nut .....	0.60	0.10
05 05 23 00-1406 EA 7/16" Diameter, 316 Stainless Steel Hex Nut .....	1.11	0.10
05 05 23 00-1407 EA 1/2" Diameter, 316 Stainless Steel Hex Nut .....	1.20	0.10
05 05 23 00-1408 EA 9/16" Diameter, 316 Stainless Steel Hex Nut .....	1.72	0.10
05 05 23 00-1409 EA 5/8" Diameter, 316 Stainless Steel Hex Nut .....	1.98	0.10
05 05 23 00-1410 EA 3/4" Diameter, 316 Stainless Steel Hex Nut .....	2.84	0.19
05 05 23 00-1411 EA 7/8" Diameter, 316 Stainless Steel Hex Nut .....	4.05	0.19
05 05 23 00-1412 EA 1" Diameter, 316 Stainless Steel Hex Nut .....	6.35	0.19
05 05 23 00-1413 EA 1-1/4" Diameter, 316 Stainless Steel Hex Nut .....	19.96	0.19
05 05 23 00-1414 EA 1-1/2" Diameter, 316 Stainless Steel Hex Nut .....	32.52	0.29
05 05 23 00-1415 EA 1-3/4" Diameter, 316 Stainless Steel Hex Nut .....	55.18	0.29
05 05 23 00-1416 EA 2" Diameter, 316 Stainless Steel Hex Nut .....	102.97	0.29
<b>05 05 23 00-1417 Flat Washers</b> (05 05 23 00-1317)		
<b>05 05 23 00-1418 Zinc Plated Steel, Low Carbon Flat Washers</b> (05 05 23 00-1417)		
05 05 23 00-1419 EA 1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	0.04	
05 05 23 00-1420 EA 5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	0.06	
05 05 23 00-1421 EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	0.10	
05 05 23 00-1422 EA 7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	0.16	
05 05 23 00-1423 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	0.23	
05 05 23 00-1424 EA 9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	0.25	
05 05 23 00-1425 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	0.44	
05 05 23 00-1426 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	0.63	
05 05 23 00-1427 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	0.75	
05 05 23 00-1428 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	0.92	
05 05 23 00-1429 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	1.04	
05 05 23 00-1430 EA 1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	1.24	
05 05 23 00-1431 EA 1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	1.95	
05 05 23 00-1432 EA 1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	2.00	
05 05 23 00-1433 EA 1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	2.95	
05 05 23 00-1434 EA 2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	3.67	
<b>05 05 23 00-1435 Zinc Plated Steel, Hardened Flat Washers</b> (05 05 23 00-1417)		
05 05 23 00-1436 EA 1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer .....	0.13	
05 05 23 00-1437 EA 5/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer .....	0.19	
05 05 23 00-1438 EA 3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer .....	0.21	
05 05 23 00-1439 EA 7/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer .....	0.29	
05 05 23 00-1440 EA 1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer .....	0.39	
05 05 23 00-1441 EA 9/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer .....	0.63	
05 05 23 00-1442 EA 5/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer .....	0.90	
05 05 23 00-1443 EA 3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer .....	1.27	
05 05 23 00-1444 EA 7/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer .....	2.12	
05 05 23 00-1445 EA 1" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer .....	2.35	
05 05 23 00-1446 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer .....	3.42	
05 05 23 00-1447 EA 1-1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer .....	3.73	
05 05 23 00-1448 EA 1-3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer .....	4.92	
05 05 23 00-1449 EA 1-1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer .....	5.63	

**05 Metals****05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-1450	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer .....	7.56	
05 05 23 00-1451	EA	2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	9.08	
<b>05 05 23 00-1452</b>		<b>Hot Dipped Galvanized Steel Flat Washers</b> (05 05 23 00-1417)		
05 05 23 00-1453	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer .....	0.09	
05 05 23 00-1454	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer .....	0.13	
05 05 23 00-1455	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer .....	0.14	
05 05 23 00-1456	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer .....	0.26	
05 05 23 00-1457	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer .....	0.34	
05 05 23 00-1458	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer .....	0.55	
05 05 23 00-1459	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer .....	0.62	
05 05 23 00-1460	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer .....	0.94	
05 05 23 00-1461	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer .....	1.32	
05 05 23 00-1462	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer .....	1.45	
05 05 23 00-1463	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer .....	2.22	
05 05 23 00-1464	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer .....	2.47	
05 05 23 00-1465	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer .....	3.53	
05 05 23 00-1466	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer .....	3.82	
05 05 23 00-1467	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer .....	5.55	
<b>05 05 23 00-1468</b>		<b>304/18-8 Stainless Steel Flat Washers</b> (05 05 23 00-1417)		
05 05 23 00-1469	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.10	
05 05 23 00-1470	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.13	
05 05 23 00-1471	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.18	
05 05 23 00-1472	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.33	
05 05 23 00-1473	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.61	
05 05 23 00-1474	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.76	
05 05 23 00-1475	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	1.12	
05 05 23 00-1476	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	1.14	
05 05 23 00-1477	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	2.40	
05 05 23 00-1478	EA	1" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	3.04	
05 05 23 00-1479	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer .....	3.54	
05 05 23 00-1480	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer .....	3.81	
05 05 23 00-1481	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer .....	4.02	
05 05 23 00-1482	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer .....	4.91	
05 05 23 00-1483	EA	1-3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer .....	6.09	
05 05 23 00-1484	EA	2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	11.98	
<b>05 05 23 00-1485</b>		<b>316 Stainless Steel Flat Washers</b> (05 05 23 00-1417)		
05 05 23 00-1486	EA	1/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.19	
05 05 23 00-1487	EA	5/16" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.20	
05 05 23 00-1488	EA	3/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.36	
05 05 23 00-1489	EA	7/16" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.43	
05 05 23 00-1490	EA	1/2" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.79	
05 05 23 00-1491	EA	9/16" Inside Diameter, 316 Stainless Steel Flat Washer.....	1.42	
05 05 23 00-1492	EA	5/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	1.68	
05 05 23 00-1493	EA	3/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	2.11	
05 05 23 00-1494	EA	7/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	3.27	
05 05 23 00-1495	EA	1" Inside Diameter, 316 Stainless Steel Flat Washer.....	3.66	
05 05 23 00-1496	EA	1-1/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	4.16	
05 05 23 00-1497	EA	1-1/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	5.13	
05 05 23 00-1498	EA	1-3/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	5.42	
05 05 23 00-1499	EA	1-1/2" Inside Diameter, 316 Stainless Steel Flat Washer.....	5.55	
05 05 23 00-1500	EA	1-3/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	8.13	
<b>05 05 23 00-1501</b>		<b>Lock Washers</b> (05 05 23 00-1317)		
<b>05 05 23 00-1502</b>		<b>Zinc Plated Steel, Low Carbon Lock Washers</b> (05 05 23 00-1501)		
05 05 23 00-1503	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	0.02	
05 05 23 00-1504	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	0.03	
05 05 23 00-1505	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	0.04	
05 05 23 00-1506	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	0.06	
05 05 23 00-1507	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	0.09	
05 05 23 00-1508	EA	9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	0.15	
05 05 23 00-1509	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	0.16	
05 05 23 00-1510	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	0.25	
05 05 23 00-1511	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	0.42	
05 05 23 00-1512	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	0.75	
05 05 23 00-1513	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	1.10	
05 05 23 00-1514	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	1.68	
05 05 23 00-1515	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	2.66	
05 05 23 00-1516	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	3.14	
05 05 23 00-1517	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	5.60	
05 05 23 00-1518	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	6.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>05 05 23 00-1519</b>	<b>Hot Dipped Galvanized Steel Lock Washers (05 05 23 00-1501)</b>	
05 05 23 00-1520 EA 1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.07	
05 05 23 00-1521 EA 5/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.08	
05 05 23 00-1522 EA 3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.11	
05 05 23 00-1523 EA 7/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.12	
05 05 23 00-1524 EA 1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.19	
05 05 23 00-1525 EA 9/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.24	
05 05 23 00-1526 EA 5/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.29	
05 05 23 00-1527 EA 3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.48	
05 05 23 00-1528 EA 7/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	0.70	
05 05 23 00-1529 EA 1" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	1.10	
05 05 23 00-1530 EA 1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	1.99	
05 05 23 00-1531 EA 1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	2.37	
05 05 23 00-1532 EA 1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	3.42	
05 05 23 00-1533 EA 1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	3.91	
05 05 23 00-1534 EA 1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	5.29	
05 05 23 00-1535 EA 2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer.....	7.21	
<b>05 05 23 00-1536</b>	<b>304/18-8 Stainless Steel Lock Washers (05 05 23 00-1501)</b>	
05 05 23 00-1537 EA 1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.08	
05 05 23 00-1538 EA 5/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.11	
05 05 23 00-1539 EA 3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.16	
05 05 23 00-1540 EA 7/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.29	
05 05 23 00-1541 EA 1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.32	
05 05 23 00-1542 EA 9/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.78	
05 05 23 00-1543 EA 5/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.92	
05 05 23 00-1544 EA 3/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	1.08	
05 05 23 00-1545 EA 7/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	1.95	
05 05 23 00-1546 EA 1" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	2.75	
05 05 23 00-1547 EA 1-1/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	4.80	
05 05 23 00-1548 EA 1-1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	6.39	
05 05 23 00-1549 EA 1-3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	8.13	
05 05 23 00-1550 EA 1-1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	9.75	
<b>05 05 23 00-1551</b>	<b>316 Stainless Steel Lock Washers (05 05 23 00-1501)</b>	
05 05 23 00-1552 EA 1/4" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.10	
05 05 23 00-1553 EA 5/16" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.21	
05 05 23 00-1554 EA 3/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.25	
05 05 23 00-1555 EA 7/16" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.42	
05 05 23 00-1556 EA 1/2" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.47	
05 05 23 00-1557 EA 9/16" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.84	
05 05 23 00-1558 EA 5/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.92	
05 05 23 00-1559 EA 3/4" Inside Diameter, 316 Stainless Steel Lock Washer.....	1.58	
05 05 23 00-1560 EA 7/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	2.62	
05 05 23 00-1561 EA 1" Inside Diameter, 316 Stainless Steel Lock Washer.....	3.57	
05 05 23 00-1562 EA 1-1/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	4.98	
05 05 23 00-1563 EA 1-1/4" Inside Diameter, 316 Stainless Steel Lock Washer.....	7.66	
05 05 23 00-1564 EA 1-3/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	13.71	
05 05 23 00-1565 EA 1-1/2" Inside Diameter, 316 Stainless Steel Lock Washer.....	15.23	
<b>05 05 23 00-1566</b>	<b>Load Indicating Washers (05 05 23 00-1317)</b>	
<b>05 05 23 00-1567</b>	<b>A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) (05 05 23 00-1566)</b>	
<b>05 05 23 00-1568</b>	<b>Plain Finish, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) (05 05 23 00-1567)</b>	
05 05 23 00-1569 EA 1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	1.83	
05 05 23 00-1570 EA 5/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	2.07	
05 05 23 00-1571 EA 3/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	2.23	
05 05 23 00-1572 EA 7/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	2.53	
05 05 23 00-1573 EA 1", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	3.06	
05 05 23 00-1574 EA 1-1/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	5.08	
05 05 23 00-1575 EA 1-1/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	6.56	
05 05 23 00-1576 EA 1-3/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	8.38	
05 05 23 00-1577 EA 1-1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	9.22	
<b>05 05 23 00-1578</b>	<b>Galvanized, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) (05 05 23 00-1567)</b>	
05 05 23 00-1579 EA 1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	2.31	
05 05 23 00-1580 EA 5/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	2.57	
05 05 23 00-1581 EA 3/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	2.50	
05 05 23 00-1582 EA 7/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	3.06	
05 05 23 00-1583 EA 1", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	3.62	
05 05 23 00-1584 EA 1-1/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	5.46	
05 05 23 00-1585 EA 1-1/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	6.87	

**05 Metals****05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1586 EA 1-3/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	9.77	
05 05 23 00-1587 EA 1-1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	10.75	
<b>05 05 23 00-1588 Beveled Washers</b> (05 05 23 00-1317)		
<b>05 05 23 00-1589 Plain Finish, Square Beveled Structural Washers (ASTM F436)</b> (05 05 23 00-1588)		
05 05 23 00-1590 EA 1/2", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	3.02	
05 05 23 00-1591 EA 5/8", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	3.08	
05 05 23 00-1592 EA 3/4", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	3.15	
05 05 23 00-1593 EA 7/8", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	3.82	
05 05 23 00-1594 EA 1", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	4.02	
<b>05 05 23 00-1595 Galvanized, Square Beveled Structural Washers (ASTM F436)</b> (05 05 23 00-1588)		
05 05 23 00-1596 EA 1/2", Galvanized, Square Beveled Structural Washer (ASTM F436).....	4.34	
05 05 23 00-1597 EA 5/8", Galvanized, Square Beveled Structural Washer (ASTM F436).....	4.53	
05 05 23 00-1598 EA 3/4", Galvanized, Square Beveled Structural Washer (ASTM F436).....	4.53	
05 05 23 00-1599 EA 7/8", Galvanized, Square Beveled Structural Washer (ASTM F436).....	4.79	
05 05 23 00-1600 EA 1", Galvanized, Square Beveled Structural Washer (ASTM F436).....	5.09	
<b>05 05 23 00-1601 Screws</b> (05 05 23)		
<b>05 05 23 00-1602 Teks® 5 Self Drilling Screws</b> (05 05 23 00-1601)		
Note: Screws include Climaseal® finish, self-drill point and tapping threads.		
05 05 23 00-1603 EA 12-24 x 1-1/4", Hex Washer Head, Teks® 5 Self Drilling Screw.....	1.47	
For >10 To 50, Deduct	-0.06	
For >50 To 100, Deduct	-0.13	
For >100, Deduct	-0.25	
05 05 23 00-1604 EA 12-24 x 1-1/2", Hex Washer Head, Teks® 5 Self Drilling Screw.....	1.58	
For >10 To 50, Deduct	-0.06	
For >50 To 100, Deduct	-0.13	
For >100, Deduct	-0.26	
05 05 23 00-1605 EA 12-24 x 2", Hex Washer Head, Teks® 5 Self Drilling Screw.....	1.81	
For >10 To 50, Deduct	-0.06	
For >50 To 100, Deduct	-0.14	
For >100, Deduct	-0.28	
05 05 23 00-1606 EA 1/4"-28 x 3", Hex Washer Head, Teks® 5 Self Drilling Screw.....	2.61	
For >10 To 50, Deduct	-0.08	
For >50 To 100, Deduct	-0.18	
For >100, Deduct	-0.37	
05 05 23 00-1607 EA 1/4"-28 x 4", Hex Washer Head, Teks® 5 Self Drilling Screw.....	2.81	
For >10 To 50, Deduct	-0.08	
For >50 To 100, Deduct	-0.19	
For >100, Deduct	-0.39	
05 05 23 00-1608 EA 1/4"-28 x 6", Hex Washer Head, Teks® 5 Self Drilling Screw.....	3.73	
For >10 To 50, Deduct	-0.09	
For >50 To 100, Deduct	-0.22	
For >100, Deduct	-0.45	
05 05 23 00-1609 EA 1/4"-28 x 8", Hex Washer Head, Teks® 5 Self Drilling Screw.....	4.27	
For >10 To 50, Deduct	-0.09	
For >50 To 100, Deduct	-0.24	
For >100, Deduct	-0.48	
<b>05 05 23 00-1610 Security Screws</b> (05 05 23 00-1601)		
<b>05 05 23 00-1611 304/18-8 Stainless Steel, Security Screws</b> (05 05 23 00-1610)		
Note: Includes "security" style drive in machine or sheet metal screw threads.		
05 05 23 00-1612 EA #4 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screws.....	1.11	
For >10 To 50, Deduct	-0.05	
For >50 To 100, Deduct	-0.10	
For >100, Deduct	-0.21	
05 05 23 00-1613 EA #6 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	1.40	
For >10 To 50, Deduct	-0.05	
For >50 To 100, Deduct	-0.11	
For >100, Deduct	-0.22	
05 05 23 00-1614 EA #6 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	1.65	
For >10 To 50, Deduct	-0.05	
For >50 To 100, Deduct	-0.12	
For >100, Deduct	-0.23	
05 05 23 00-1615 EA #6 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	1.74	
For >10 To 50, Deduct	-0.05	
For >50 To 100, Deduct	-0.12	
For >100, Deduct	-0.24	
05 05 23 00-1616 EA #6 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	1.90	
For >10 To 50, Deduct	-0.05	
For >50 To 100, Deduct	-0.12	
For >100, Deduct	-0.25	
05 05 23 00-1617 EA #8 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	1.47	
For >10 To 50, Deduct	-0.05	
For >50 To 100, Deduct	-0.11	
For >100, Deduct	-0.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1618 EA #8 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	1.59	
<i>For &gt;10 To 50, Deduct</i>	-0.05	
<i>For &gt;50 To 100, Deduct</i>	-0.11	
<i>For &gt;100, Deduct</i>	-0.23	
05 05 23 00-1619 EA #8 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	1.83	
<i>For &gt;10 To 50, Deduct</i>	-0.05	
<i>For &gt;50 To 100, Deduct</i>	-0.12	
<i>For &gt;100, Deduct</i>	-0.24	
05 05 23 00-1620 EA #8 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	1.91	
<i>For &gt;10 To 50, Deduct</i>	-0.05	
<i>For &gt;50 To 100, Deduct</i>	-0.12	
<i>For &gt;100, Deduct</i>	-0.25	
05 05 23 00-1621 EA #10 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	1.54	
<i>For &gt;10 To 50, Deduct</i>	-0.05	
<i>For &gt;50 To 100, Deduct</i>	-0.11	
<i>For &gt;100, Deduct</i>	-0.23	
05 05 23 00-1622 EA #10 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	1.57	
<i>For &gt;10 To 50, Deduct</i>	-0.05	
<i>For &gt;50 To 100, Deduct</i>	-0.11	
<i>For &gt;100, Deduct</i>	-0.23	
05 05 23 00-1623 EA #10 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	1.68	
<i>For &gt;10 To 50, Deduct</i>	-0.05	
<i>For &gt;50 To 100, Deduct</i>	-0.12	
<i>For &gt;100, Deduct</i>	-0.23	
05 05 23 00-1624 EA #10 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.02	
<i>For &gt;10 To 50, Deduct</i>	-0.05	
<i>For &gt;50 To 100, Deduct</i>	-0.13	
<i>For &gt;100, Deduct</i>	-0.25	
05 05 23 00-1625 EA 1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	1.74	
<i>For &gt;10 To 50, Deduct</i>	-0.05	
<i>For &gt;50 To 100, Deduct</i>	-0.12	
<i>For &gt;100, Deduct</i>	-0.24	
05 05 23 00-1626 EA 1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	1.81	
<i>For &gt;10 To 50, Deduct</i>	-0.05	
<i>For &gt;50 To 100, Deduct</i>	-0.12	
<i>For &gt;100, Deduct</i>	-0.24	
05 05 23 00-1627 EA 1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.14	
<i>For &gt;10 To 50, Deduct</i>	-0.05	
<i>For &gt;50 To 100, Deduct</i>	-0.13	
<i>For &gt;100, Deduct</i>	-0.26	
05 05 23 00-1628 EA 1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.65	
<i>For &gt;10 To 50, Deduct</i>	-0.05	
<i>For &gt;50 To 100, Deduct</i>	-0.14	
<i>For &gt;100, Deduct</i>	-0.28	
<b>05 05 23 00-1629 Drilling In Steel Plates</b> <small>(05 05 23)</small>		
05 05 23 00-1630 EA Up To 1/2" Diameter Drill Through Up To 1/4" Steel Plate.....	9.50	
<i>For Aluminum, Deduct</i>	-0.95	
<i>For Stainless Steel, Add</i>	1.19	
05 05 23 00-1631 EA >1/2" To 7/8" Diameter Drill Through Up To 1/4" Steel Plate.....	11.17	
<i>For Aluminum, Deduct</i>	-1.12	
<i>For Stainless Steel, Add</i>	1.40	
05 05 23 00-1632 EA >7/8" To 1-1/2" Diameter Drill Through Up To 1/4" Steel Plate.....	13.41	
<i>For Aluminum, Deduct</i>	-1.34	
<i>For Stainless Steel, Add</i>	1.68	
05 05 23 00-1633 EA >1-1/2" To 4" Diameter Drill Through Up To 1/4" Steel Plate.....	15.65	
<i>For Aluminum, Deduct</i>	-1.57	
<i>For Stainless Steel, Add</i>	1.96	
05 05 23 00-1634 EA >4" To 10" Diameter Drill Through Up To 1/4" Steel Plate.....	20.95	
<i>For Aluminum, Deduct</i>	-2.10	
<i>For Stainless Steel, Add</i>	2.62	
05 05 23 00-1635 EA Up To 1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	11.17	
<i>For Aluminum, Deduct</i>	-1.12	
<i>For Stainless Steel, Add</i>	1.40	
05 05 23 00-1636 EA >1/2" To 7/8" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	13.97	
<i>For Aluminum, Deduct</i>	-1.40	
<i>For Stainless Steel, Add</i>	1.75	
05 05 23 00-1637 EA >7/8" To 1-1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	16.76	
<i>For Aluminum, Deduct</i>	-1.68	
<i>For Stainless Steel, Add</i>	2.10	
05 05 23 00-1638 EA >1-1/2" To 4" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	20.95	
<i>For Aluminum, Deduct</i>	-2.10	
<i>For Stainless Steel, Add</i>	2.62	
05 05 23 00-1639 EA Up To 1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	13.97	
<i>For Aluminum, Deduct</i>	-1.40	
<i>For Stainless Steel, Add</i>	1.75	
05 05 23 00-1640 EA >1/2" To 7/8" Diameter Drill Through >1/2" To 1" Steel Plate.....	18.43	
<i>For Aluminum, Deduct</i>	-1.84	
<i>For Stainless Steel, Add</i>	2.30	
05 05 23 00-1641 EA >7/8" To 1-1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	22.35	

## 05 10 Structural Metal Framing (05)



**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST
**05 12 Structural Steel Framing** (05 10)**05 12 23 Structural Steel For Buildings** (05 12)

Note: Prices are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection. Excludes moment connection welding. See CSI section 05 12 23 00-0117 for field fabrication of additional structural metal connections, 05 12 23 00-0132 for moment connection welding.

05 12 23 00-0001	<b>Rolled Steel Members</b> <small>(05 12 23)</small>		
05 12 23 00-0002	<b>Beams, Girders And Columns</b> <small>(05 12 23 00-0001)</small>		
	Note: For one and two story I beams and W shapes and HP shapes.		
05 12 23 00-0003	TON Up To 30 LB/LF Beams, Girders And Columns .....	6,136.98	722.08
	For ASTM A242 Type 2 High Strength Steel, Add	371.45	
	For Hot Dip Galvanizing, Add	1,300.08	
05 12 23 00-0004	TON >30-65 LB/LF Beams, Girders And Columns.....	4,308.62	466.77
	For ASTM A242 Type 2 High Strength Steel, Add	304.85	
	For Hot Dip Galvanizing, Add	1,066.99	
05 12 23 00-0005	TON >65-100 LB/LF Beams, Girders And Columns.....	3,663.15	262.59
	For ASTM A242 Type 2 High Strength Steel, Add	270.64	
	For Hot Dip Galvanizing, Add	947.26	
05 12 23 00-0006	TON >100-300 LB/LF Beams, Girders And Columns.....	2,462.10	139.77
	For ASTM A242 Type 2 High Strength Steel, Add	185.02	
	For Hot Dip Galvanizing, Add	647.56	
05 12 23 00-0007	<b>Trusses, Built-Up</b> <small>(05 12 23 00-0001)</small>		
05 12 23 00-0008	TON Built-Up Trusses, Rolled Structural Steel Members.....	4,572.06	491.07
	For ASTM A242 Type 2 High Strength Steel, Add	323.88	
	For Hot Dip Galvanizing, Add	1,133.59	
05 12 23 00-0009	<b>Shapes</b> <small>(05 12 23 00-0001)</small>		
05 12 23 00-0010	<b>Rolled Shape Steel Angles</b> <small>(05 12 23 00-0009)</small>		
05 12 23 00-0011	TON Up To 10 LB/LF Rolled Shape Steel Angles.....	8,942.60	1,342.34
	For ASTM A242 Type 2 High Strength Steel, Add	536.43	
	For Hot Dip Galvanizing, Add	1,877.50	
05 12 23 00-0012	TON >10-20 LB/LF Rolled Shape Steel Angles.....	7,908.20	787.75
	For ASTM A242 Type 2 High Strength Steel, Add	513.15	
	For Hot Dip Galvanizing, Add	1,796.03	
05 12 23 00-0013	TON >20-58 LB/LF Rolled Shape Steel Angles.....	6,140.49	466.77
	For ASTM A242 Type 2 High Strength Steel, Add	451.41	
	For Hot Dip Galvanizing, Add	1,579.94	
05 12 23 00-0014	<b>Rolled C, MC Steel Channels</b> <small>(05 12 23 00-0009)</small>		
05 12 23 00-0015	TON Up To 10 LB/LF Rolled C, MC Steel Channels.....	9,682.09	1,838.10
	For ASTM A242 Type 2 High Strength Steel, Add	528.33	
	For Hot Dip Galvanizing, Add	1,849.16	
05 12 23 00-0016	TON >10-20 LB/LF Rolled C, MC Steel Channels.....	7,819.64	1,400.46
	For ASTM A242 Type 2 High Strength Steel, Add	506.07	
	For Hot Dip Galvanizing, Add	1,771.23	
05 12 23 00-0017	TON >20-58 LB/LF Rolled C, MC Steel Channels.....	6,039.28	466.77
	For ASTM A242 Type 2 High Strength Steel, Add	443.31	
	For Hot Dip Galvanizing, Add	1,551.60	
05 12 23 00-0018	<b>Double L Shape Steel Angles</b> <small>(05 12 23 00-0009)</small>		
05 12 23 00-0019	TON Up To 20 LB/LF Double L Shape Steel Angles.....	8,316.71	1,065.04
	For ASTM A242 Type 2 High Strength Steel, Add	516.19	
	For Hot Dip Galvanizing, Add	1,806.66	
05 12 23 00-0020	TON >20-50 LB/LF Double L Shape Steel Angles .....	6,570.65	466.77
	For ASTM A242 Type 2 High Strength Steel, Add	485.82	
	For Hot Dip Galvanizing, Add	1,700.38	
05 12 23 00-0021	TON >50-80 LB/LF Double L Shape Steel Angles .....	4,961.20	262.59
	For ASTM A242 Type 2 High Strength Steel, Add	374.49	
	For Hot Dip Galvanizing, Add	1,310.71	
05 12 23 00-0022	TON >80-115 LB/LF Double L Shape Steel Angles.....	3,185.54	139.98
	For ASTM A242 Type 2 High Strength Steel, Add	242.91	
	For Hot Dip Galvanizing, Add	850.19	
05 12 23 00-0023	<b>Structural WT, MT, ST Tee Shapes</b> <small>(05 12 23 00-0001)</small>		
05 12 23 00-0024	TON Up To 30 LB/LF Structural WT, MT, ST Tee Shapes.....	7,566.61	787.75
	For ASTM A242 Type 2 High Strength Steel, Add	485.82	
	For Hot Dip Galvanizing, Add	1,700.38	
05 12 23 00-0025	TON >30-65 LB/LF Structural WT, MT, ST Tee Shapes.....	5,141.09	466.77
	For ASTM A242 Type 2 High Strength Steel, Add	371.45	
	For Hot Dip Galvanizing, Add	1,300.08	
05 12 23 00-0026	TON >65-100 LB/LF Structural WT, MT, ST Tee Shapes .....	4,075.58	262.59
	For ASTM A242 Type 2 High Strength Steel, Add	303.64	
	For Hot Dip Galvanizing, Add	1,062.74	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0027	TON		>100-365 LB/LF Structural WT, MT, ST Tee Shapes <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,008.65 228.74 800.60	139.77
<b>05 12 23 00-0028</b>			<b>Combination Section Shapes</b> (05 12 23 00-0001)		
<b>05 12 23 00-0029</b>			<b>Combination Section, W Shapes And Angles</b> (05 12 23 00-0028)		
05 12 23 00-0030	TON		Up To 30 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,174.40 454.45 1,590.56	787.75
05 12 23 00-0031	TON		>30-65 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,179.06 374.49 1,310.71	466.77
05 12 23 00-0032	TON		>65-100 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,759.29 278.34 974.18	262.59
05 12 23 00-0033	TON		>100-300 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,261.46 248.98 871.45	139.77
05 12 23 00-0034	TON		>300-500 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2,820.10 219.63 768.71	70.16
<b>05 12 23 00-0035</b>			<b>Combination Section, S Shapes And Angles</b> (05 12 23 00-0028)		
05 12 23 00-0036	TON		>30-65 LB/LF Combination Section - S Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,976.62 358.29 1,254.03	466.77
05 12 23 00-0037	TON		>65-100 LB/LF Combination Section - S Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,771.94 279.35 977.72	262.59
<b>05 12 23 00-0038</b>			<b>Combination Section, Channels And Angles</b> (05 12 23 00-0028)		
05 12 23 00-0039	TON		Up To 30 LB/LF Combination Section - Channels And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,566.61 485.82 1,700.38	787.75
05 12 23 00-0040	TON		>30-65 LB/LF Combination Section - Channels And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,432.08 394.73 1,381.56	466.77
05 12 23 00-0041	TON		>65-100 LB/LF Combination Section - Channels And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,860.50 286.43 1,002.51	262.59
<b>05 12 23 00-0042</b>			<b>Standard Weight Pipe</b> (05 12 23 00-0001)		
05 12 23 00-0043	TON		1/2" To 5" Diameter Standard Weight Pipe <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,395.46 315.78 1,105.25	420.14
05 12 23 00-0044	TON		>5" To 12" Diameter Standard Weight Pipe <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,684.62 329.95 1,154.84	525.18
<b>05 12 23 00-0045</b>			<b>Structural Steel Shapes</b> (05 12 23)		
<b>05 12 23 00-0046</b>			<b>Steel Rods</b> (05 12 23 00-0045)		
05 12 23 00-0047	TON		1/2" To 5" Diameter Extra Strong Steel, Solid <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,752.88 352.22 1,232.78	328.27
05 12 23 00-0048	TON		>5" To 12" Diameter Extra Strong Steel, Solid <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,432.08 394.73 1,381.56	466.77
<b>05 12 23 00-0049</b>			<b>Column Base Plates</b> (05 12 23 00-0045)		
05 12 23 00-0050	LB		Column Base Plates, Up To 150 LB / Each, A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2.38 0.15 0.53	0.45
05 12 23 00-0051	LB		Column Base Plates, >150 LB / Each, A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2.23 0.14 0.50	0.39
05 12 23 00-0052	TON		Column Base Plates, Up To 150 LB Each, A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,345.37 313.09 1,095.82	404.76
05 12 23 00-0053	TON		Column Base Plates, >150 LB Each, A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,089.73 226.45 792.59	242.86
<b>05 12 23 00-0054</b>			<b>Double Extra Strong Pipes</b> (05 12 23 00-0045)		

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0055	TON		2" To 5" Diameter Double Extra Strong Pipe ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,675.56 402.83 1,409.90	600.17
05 12 23 00-0056	TON		>5" To 8" Diameter Double Extra Strong Pipe ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,380.08 402.83 1,409.90	323.15
<b>05 12 23 00-0057</b>			<b>Structural Pipes</b> (05 12 23 00-0045)		
05 12 23 00-0058	TON		3" To 5" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,969.10 283.40 991.89	277.29
05 12 23 00-0059	TON		>5" To 12" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,247.98 283.40 991.89	319.80
<b>05 12 23 00-0060</b>			<b>Structural Tubing</b> (05 12 23 00-0045)		
<b>05 12 23 00-0061</b>			<b>Rectangle Structural Tubing</b> (05 12 23 00-0060)		
05 12 23 00-0062	TON		3" x 2" Weight Range 5-7 LB/LF Structural Tubing - Rectangle ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,624.59 506.07 1,771.23	280.09
05 12 23 00-0063	TON		4" x 3", 2" Weight Range 6-13 LB/LF Structural Tubing - Rectangle ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,670.55 506.07 1,771.23	323.15
05 12 23 00-0064	TON		5" x 4", 2" Weight Range 8-20 LB/LF Structural Tubing - Rectangle ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,813.65 435.22 1,523.26	350.11
05 12 23 00-0065	TON		6" x 4", 3", 2" Weight Range 9-29 LB/LF Structural Tubing - Rectangle ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,508.81 404.85 1,416.98	420.14
05 12 23 00-0066	TON		7" x 5", 4", 3" Weight Range 12-35 LB/LF Structural Tubing - Rectangle ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,179.05 374.49 1,310.71	466.77
05 12 23 00-0067	TON		8" x 6", 4", 3", 2" Weight Range 11-42 LB/LF Structural Tubing - Rectangle ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,370.14 374.49 1,310.71	645.96
05 12 23 00-0068	TON		10" x 6", 4", 2" Weight Range 15-50 LB/LF Structural Tubing - Rectangle ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,693.19 382.59 1,339.05	853.93
05 12 23 00-0069	TON		12" x 6", 4", 2" Weight Range 17-76 LB/LF Structural Tubing - Rectangle ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,827.93 386.63 1,353.22	932.78
05 12 23 00-0070	TON		14" x 10", 6", 4" Weight Range 29-76 LB/LF Structural Tubing - Rectangle ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,953.29 386.63 1,353.22	1,050.34
05 12 23 00-0071	TON		16" x 12", 8", 4" Weight Range 40-90 LB/LF Structural Tubing - Rectangle ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,136.03 382.59 1,339.05	2,206.63
05 12 23 00-0072	TON		18" x 6" Weight Range 48-76 LB/LF Structural Tubing - Rectangle ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,149.62 372.46 1,303.62	1,400.46
05 12 23 00-0073	TON		20" x 12", 8", 4" Weight Range 48-105 LB/LF Structural Tubing - Rectangle ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	8,345.55 392.71 1,374.48	3,221.96
<b>05 12 23 00-0074</b>			<b>Square Structural Tubing</b> (05 12 23 00-0060)		
05 12 23 00-0075	TON		2" x 2" Weight Range 4-6 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,605.91 506.07 1,771.23	262.59
05 12 23 00-0076	TON		2.5" x 2.5" Weight Range 5-8 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,624.59 506.07 1,771.23	280.09
05 12 23 00-0077	TON		3" x 3" Weight Range 6-11 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,940.17 445.34 1,558.68	350.11
05 12 23 00-0078	TON		3.5" x 3.5" Weight Range 8-13 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,888.35 435.22 1,523.26	420.14
05 12 23 00-0079	TON		4" x 4" Weight Range 10-22 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,709.93 331.98 1,161.93	525.18
05 12 23 00-0080	TON		5" x 5" Weight Range 12-30 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,789.95 331.98 1,161.93	600.17
05 12 23 00-0081	TON		6" x 6" Weight Range 15-35 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,046.03 331.98 1,161.93	840.27
05 12 23 00-0082	TON		7" x 7" Weight Range 17-42 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,346.01 338.05 1,183.18	1,050.34



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0083 TON 8" x 8" Weight Range 20-60 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,402.66 392.71 1,374.48	1,400.46
05 12 23 00-0084 TON 10" x 10" Weight Range 33-77 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,149.58 392.71 1,374.48	2,100.69
05 12 23 00-0085 TON 12" x 12" Weight Range 40-80 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,855.62 338.05 1,183.18	2,465.58
05 12 23 00-0086 TON 14" x 14" Weight Range 57-90 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	8,244.33 384.61 1,346.13	3,221.96
05 12 23 00-0087 TON 16" x 16" Weight Range 65-105 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	9,390.30 392.71 1,374.48	4,201.37
<b>05 12 23 00-0088 Structural Shapes (05 12 23 00-0045)</b>		
05 12 23 00-0089 TON Structural Shapes, Steel Angle A36 Structural Steel, Purlins And Girts (Up To 20 LB/LF)..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;20 To 50 LB/LF, Deduct</i> <i>For &gt;50 To 75 LB/LF, Deduct</i> <i>For &gt;75 To 100 LB/LF, Deduct</i>	6,067.80 279.83 979.41 -735.28 -1,167.16 -1,599.05	1,619.03
05 12 23 00-0090 TON Structural Shapes, Steel Plate A36 Structural Steel ..... Note: Up to 21.5 LB per SF <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;21.5 To 50 LB/LF, Deduct</i>	4,909.80 323.89 1,133.61 -534.04	647.61
05 12 23 00-0091 LB Structural Shapes, Primed Pipe Supports (Up To 20 LB/LF).....	2.86	0.14
05 12 23 00-0092 LB Structural Shapes, Galvanized Pipe Supports.....	3.49	0.14
<b>05 12 23 00-0093 Built-Up Trusses (05 12 23 00-0045)</b>		
05 12 23 00-0094 TON Up To 50 LF Span Average Weight 100 LB/LF Trusses, Built-up.....	5,373.29	210.07
05 12 23 00-0095 TON >50-100 LF Span Average Weight 120 LB/LF Trusses, Built-up.....	5,324.30	116.65
05 12 23 00-0096 TON >100-200 LF Span Average Weight 150 LB/LF Trusses, Built-up.....	4,747.02	61.76
05 12 23 00-0097 TON >200 LF Span Average Weight 180 LB/LF Trusses, Built-up.....	4,616.83	58.40
<b>05 12 23 00-0098 Masonry Plates, Filler Plates, Sole Plates And Anchor Straps (05 12 23 00-0045)</b>		
Note: Includes shop fabrication, welds, drilling and shop primer.		
05 12 23 00-0099 SF 1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	17.79	4.66
05 12 23 00-0100 SF 3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	26.70	6.97
05 12 23 00-0101 SF 1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	35.59	9.30
05 12 23 00-0102 SF 5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	44.50	11.62
05 12 23 00-0103 SF 3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	53.39	13.88
05 12 23 00-0104 SF 7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	62.29	16.27
05 12 23 00-0105 SF 1" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	71.18	18.59
05 12 23 00-0106 SF 1-1/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	80.09	20.92
05 12 23 00-0107 SF 1-1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	88.98	23.24
05 12 23 00-0108 SF 1-3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	97.88	25.57
05 12 23 00-0109 SF 1-1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	106.78	27.89
05 12 23 00-0110 SF 1-5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	115.67	30.21
05 12 23 00-0111 SF 1-3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	124.57	32.54
05 12 23 00-0112 SF 1-7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	133.48	34.86
05 12 23 00-0113 SF 2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	142.38	37.19
<b>05 12 23 00-0114 Accessories For Steel (05 12 23)</b>		
<b>05 12 23 00-0115 Field Painting For Touch-Up Of Shop Prime Coat (05 12 23 00-0114)</b>		
05 12 23 00-0116 SF Touch Up Paint - Type 1 Red Oxide Field Painting Prime Coat.....	0.64	
<b>05 12 23 00-0117 Connection And Stiffener Plates (05 12 23 00-0114)</b>		
Note: For field fabrication of additional structural metal connections.		
05 12 23 00-0118 TON 1/8" Plate Weight 6.16 LB/SF Connection And Stiffener Plates.....	11,687.94	
05 12 23 00-0119 TON 3/16" Plate Weight 8.71 LB/SF Connection And Stiffener Plates.....	9,972.10	
05 12 23 00-0120 TON 1/4" Plate Weight 11.26 LB/SF Connection And Stiffener Plates.....	7,711.63	
05 12 23 00-0121 TON 5/16" Plate Weight 13.81 LB/SF Connection And Stiffener Plates.....	7,711.63	
05 12 23 00-0122 TON 3/8" Plate Weight 16.37 LB/SF Connection And Stiffener Plates.....	7,711.63	
05 12 23 00-0123 TON 1/2" Plate Weight 21.47 LB/SF Connection And Stiffener Plates.....	7,711.63	
05 12 23 00-0124 TON 9/16" Plate Weight 24.02 LB/SF Connection And Stiffener Plates.....	7,711.63	
05 12 23 00-0125 TON 5/8" Plate Weight 26.58 LB/SF Connection And Stiffener Plates.....	7,711.63	
05 12 23 00-0126 TON 3/4" Plate Weight 31.68 LB/SF Connection And Stiffener Plates.....	7,229.65	
05 12 23 00-0127 TON 7/8" Plate Weight 36.78 LB/SF Connection And Stiffener Plates.....	7,229.65	
05 12 23 00-0128 TON 1" Plate Weight 41.89 LB/SF Connection And Stiffener Plates.....	7,229.65	
<b>05 12 23 00-0129 Spot Welding (05 12 23 00-0114)</b>		

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0130	EA		Up To 15 Spot Weldings, Welds Up To 1" Length Each.....	7.24	
			<i>For Aluminum Welding, Add</i>	1.13	
			<i>For Stainless Steel Welding, Add</i>	1.86	
05 12 23 00-0131	EA		>15 Spot Weldings, Welds Up To 1" Length Each.....	5.65	
			<i>For Aluminum Welding, Add</i>	0.89	
			<i>For Stainless Steel Welding, Add</i>	1.47	
05 12 23 00-0132			<b>Field Welding (Seam And Stitch Welding)</b> (05 12 23 00-0114)		
05 12 23 00-0133			<b>Vertical Fillet Welds</b> (05 12 23 00-0132)		
			Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.		
05 12 23 00-0134	LF		1/8" Vertical Fillet Weld.....	4.58	
			<i>For Aluminum Welding, Add</i>	0.90	
			<i>For Stainless Steel Welding, Add</i>	1.41	
			<i>For Up To 25, Add</i>	1.52	
			<i>For &gt;25 To 50, Add</i>	1.08	
05 12 23 00-0135	LF		3/16" Vertical Fillet Weld.....	8.90	
			<i>For Aluminum Welding, Add</i>	1.60	
			<i>For Stainless Steel Welding, Add</i>	2.56	
			<i>For Up To 25, Add</i>	3.01	
			<i>For &gt;25 To 50, Add</i>	2.14	
05 12 23 00-0136	LF		1/4" Vertical Fillet Weld.....	13.35	
			<i>For Aluminum Welding, Add</i>	2.40	
			<i>For Stainless Steel Welding, Add</i>	3.83	
			<i>For Up To 25, Add</i>	4.51	
			<i>For &gt;25 To 50, Add</i>	3.21	
05 12 23 00-0137	LF		5/16" Vertical Fillet Weld.....	17.60	
			<i>For Aluminum Welding, Add</i>	3.17	
			<i>For Stainless Steel Welding, Add</i>	5.07	
			<i>For Up To 25, Add</i>	5.94	
			<i>For &gt;25 To 50, Add</i>	4.22	
05 12 23 00-0138	LF		3/8" Vertical Fillet Weld.....	22.25	
			<i>For Aluminum Welding, Add</i>	4.00	
			<i>For Stainless Steel Welding, Add</i>	6.39	
			<i>For Up To 25, Add</i>	7.51	
			<i>For &gt;25 To 50, Add</i>	5.34	
05 12 23 00-0139	LF		7/16" Vertical Fillet Weld.....	25.91	
			<i>For Aluminum Welding, Add</i>	4.41	
			<i>For Stainless Steel Welding, Add</i>	7.13	
			<i>For Up To 25, Add</i>	8.85	
			<i>For &gt;25 To 50, Add</i>	6.30	
05 12 23 00-0140	LF		1/2" Vertical Fillet Weld.....	30.42	
			<i>For Aluminum Welding, Add</i>	5.49	
			<i>For Stainless Steel Welding, Add</i>	8.76	
			<i>For Up To 25, Add</i>	10.26	
			<i>For &gt;25 To 50, Add</i>	7.30	
05 12 23 00-0141	LF		9/16" Vertical Fillet Weld.....	35.61	
			<i>For Aluminum Welding, Add</i>	6.17	
			<i>For Stainless Steel Welding, Add</i>	9.94	
			<i>For Up To 25, Add</i>	12.12	
			<i>For &gt;25 To 50, Add</i>	8.63	
05 12 23 00-0142	LF		5/8" Vertical Fillet Weld.....	41.27	
			<i>For Aluminum Welding, Add</i>	7.17	
			<i>For Stainless Steel Welding, Add</i>	11.54	
			<i>For Up To 25, Add</i>	14.04	
			<i>For &gt;25 To 50, Add</i>	9.99	
05 12 23 00-0143	LF		3/4" Vertical Fillet Weld.....	55.65	
			<i>For Aluminum Welding, Add</i>	10.03	
			<i>For Stainless Steel Welding, Add</i>	16.01	
			<i>For Up To 25, Add</i>	18.78	
			<i>For &gt;25 To 50, Add</i>	13.35	
05 12 23 00-0144	LF		7/8" Vertical Fillet Weld.....	82.41	
			<i>For Aluminum Welding, Add</i>	14.23	
			<i>For Stainless Steel Welding, Add</i>	22.94	
			<i>For Up To 25, Add</i>	28.06	
			<i>For &gt;25 To 50, Add</i>	19.98	
05 12 23 00-0145	LF		1" Vertical Fillet Weld.....	110.95	
			<i>For Aluminum Welding, Add</i>	19.78	
			<i>For Stainless Steel Welding, Add</i>	31.66	
			<i>For Up To 25, Add</i>	37.53	
			<i>For &gt;25 To 50, Add</i>	26.69	
05 12 23 00-0146			<b>Horizontal Or Flat Fillet Welds</b> (05 12 23 00-0132)		
			Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.		
05 12 23 00-0147	LF		1/8" Horizontal Or Flat Fillet Weld.....	3.85	
			<i>For Aluminum Welding, Add</i>	0.79	
			<i>For Stainless Steel Welding, Add</i>	1.23	
			<i>For Up To 25, Add</i>	1.26	
			<i>For &gt;25 To 50, Add</i>	0.89	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0148 LF 3/16" Horizontal Or Flat Fillet Weld.....	7.53	
For Aluminum Welding, Add	1.41	
For Stainless Steel Welding, Add	2.23	
For Up To 25, Add	2.52	
For >25 To 50, Add	1.79	
05 12 23 00-0149 LF 1/4" Horizontal Or Flat Fillet Weld.....	11.26	
For Aluminum Welding, Add	2.10	
For Stainless Steel Welding, Add	3.33	
For Up To 25, Add	3.77	
For >25 To 50, Add	2.68	
05 12 23 00-0150 LF 5/16" Horizontal Or Flat Fillet Weld.....	14.88	
For Aluminum Welding, Add	2.80	
For Stainless Steel Welding, Add	4.43	
For Up To 25, Add	4.97	
For >25 To 50, Add	3.53	
05 12 23 00-0151 LF 3/8" Horizontal Or Flat Fillet Weld.....	18.79	
For Aluminum Welding, Add	3.51	
For Stainless Steel Welding, Add	5.56	
For Up To 25, Add	6.29	
For >25 To 50, Add	4.47	
05 12 23 00-0152 LF 7/16" Horizontal Or Flat Fillet Weld.....	21.80	
For Aluminum Welding, Add	3.82	
For Stainless Steel Welding, Add	6.14	
For Up To 25, Add	7.40	
For >25 To 50, Add	5.27	
05 12 23 00-0153 LF 1/2" Horizontal Or Flat Fillet Weld.....	25.66	
For Aluminum Welding, Add	4.82	
For Stainless Steel Welding, Add	7.62	
For Up To 25, Add	8.58	
For >25 To 50, Add	6.09	
05 12 23 00-0154 LF 9/16" Horizontal Or Flat Fillet Weld.....	30.02	
For Aluminum Welding, Add	5.39	
For Stainless Steel Welding, Add	8.61	
For Up To 25, Add	10.14	
For >25 To 50, Add	7.21	
05 12 23 00-0155 LF 5/8" Horizontal Or Flat Fillet Weld.....	34.93	
For Aluminum Welding, Add	6.38	
For Stainless Steel Welding, Add	10.16	
For Up To 25, Add	11.75	
For >25 To 50, Add	8.35	
05 12 23 00-0156 LF 3/4" Horizontal Or Flat Fillet Weld.....	47.00	
For Aluminum Welding, Add	8.81	
For Stainless Steel Welding, Add	13.95	
For Up To 25, Add	15.72	
For >25 To 50, Add	11.16	
05 12 23 00-0157 LF 7/8" Horizontal Or Flat Fillet Weld.....	68.98	
For Aluminum Welding, Add	12.09	
For Stainless Steel Welding, Add	19.43	
For Up To 25, Add	23.42	
For >25 To 50, Add	16.66	
05 12 23 00-0158 LF 1" Horizontal Or Flat Fillet Weld.....	93.35	
For Aluminum Welding, Add	17.29	
For Stainless Steel Welding, Add	27.45	
For Up To 25, Add	31.30	
For >25 To 50, Add	22.24	
<b>05 12 23 00-0159 Cold Galvanizing</b> <small>(05 12 23 00-0114)</small>		
05 12 23 00-0160 SF Brush Applied Cold Galvanizing.....	1.09	
<b>05 12 23 00-0161 Metal Grinding</b> <small>(05 12 23 00-0114)</small>		
Note: For use to prepare existing metal for welding by removing of rust or scale and smoothing surface after torch cutting.		
05 12 23 00-0162 SI Metal Grinding Up To 1/32" Thickness To Be Removed.....	0.60	
Note: Includes rust or scale removal on metal and smoothing surface.		
<b>05 12 23 00-0163 Structural Steel For Buildings And Structures</b> <small>(05 12 23)</small>		
<b>05 12 23 00-0164 First Tier A992/A36 Structural Steel Columns, W Shapes</b> <small>(05 12 23 00-0163)</small>		
Note: With base plate. Includes material delivery and erection.		
05 12 23 00-0165 LF W14 x 730 A992/A36 Structural Column .....	1,091.61	44.91
For High Strength Low Alloy A572-50 Steel, Add	98.24	
For High Strength Low Alloy A588 Grade B Steel, Add	218.32	
05 12 23 00-0166 LF W14 x 665 A992/A36 Structural Column .....	995.42	41.86
For High Strength Low Alloy A572-50 Steel, Add	89.59	
For High Strength Low Alloy A588 Grade B Steel, Add	199.08	
05 12 23 00-0167 LF W14 x 605 A992/A36 Structural Column .....	906.55	38.96
For High Strength Low Alloy A572-50 Steel, Add	81.59	
For High Strength Low Alloy A588 Grade B Steel, Add	181.31	
05 12 23 00-0168 LF W14 x 550 A992/A36 Structural Column .....	825.01	36.24
For High Strength Low Alloy A572-50 Steel, Add	74.25	
For High Strength Low Alloy A588 Grade B Steel, Add	165.00	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0169	LF		W14 x 500 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	753.74 67.84 150.75	36.41
05 12 23 00-0170	LF		W14 x 426 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	642.96 57.87 128.59	31.79
05 12 23 00-0171	LF		W14 x 342 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	519.53 46.76 103.91	27.52
05 12 23 00-0172	LF		W14 x 311 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	467.71 42.09 93.54	25.70
05 12 23 00-0173	LF		W14 x 283 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	424.34 38.19 84.87	24.22
05 12 23 00-0174	LF		W14 x 257 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	372.61 33.53 74.52	22.97
05 12 23 00-0175	LF		W14 x 233 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	342.86 30.86 68.57	21.35
05 12 23 00-0176	LF		W14 x 211 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	304.77 27.43 60.95	19.89
05 12 23 00-0177	LF		W14 x 193 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	275.45 24.79 55.09	18.90
05 12 23 00-0178	LF		W14 x 176 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	248.04 22.32 49.61	18.07
05 12 23 00-0179	LF		W14 x 159 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	224.03 20.16 44.81	17.44
05 12 23 00-0180	LF		W14 x 145 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	216.50 19.49 43.30	16.88
05 12 23 00-0181	LF		W14 x 132 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	184.77 16.63 36.95	16.11
05 12 23 00-0182	LF		W14 x 120 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	173.12 15.58 34.62	15.68
05 12 23 00-0183	LF		W14 x 109 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	154.79 13.93 30.96	15.05
05 12 23 00-0184	LF		W14 x 99 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	141.06 12.70 28.21	14.64
05 12 23 00-0185	LF		W14 x 90 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	130.89 11.78 26.18	14.28
05 12 23 00-0186	LF		W14 x 82 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	120.42 10.84 24.08	13.87
05 12 23 00-0187	LF		W14 x 74 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	108.51 9.77 21.70	13.51
05 12 23 00-0188	LF		W14 x 68 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	101.20 9.11 20.24	13.30
05 12 23 00-0189	LF		W14 x 61 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	92.11 8.29 18.42	12.95
05 12 23 00-0190	LF		W14 x 53 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	83.72 7.53 16.74	12.60
05 12 23 00-0191	LF		W14 x 48 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	78.30 7.05 15.66	12.39
05 12 23 00-0192	LF		W14 x 43 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	70.44 6.34 14.09	12.18
05 12 23 00-0193	LF		W12 x 336 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	497.86 44.81 99.57	20.00
05 12 23 00-0194	LF		W12 x 305 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	453.47 40.81 90.69	19.60
05 12 23 00-0195	LF		W12 x 279 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	416.34 37.47 83.27	19.37
05 12 23 00-0196	LF		W12 x 252 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	377.52 33.98 75.50	18.88



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0197 LF W12 x 230 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	346.04 31.14 69.21	18.61
05 12 23 00-0198 LF W12 x 210 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	317.40 28.57 63.48	18.35
05 12 23 00-0199 LF W12 x 190 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	290.13 26.11 58.03	19.33
05 12 23 00-0200 LF W12 x 170 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	261.91 23.57 52.38	18.77
05 12 23 00-0201 LF W12 x 152 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	235.98 21.24 47.20	17.44
05 12 23 00-0202 LF W12 x 136 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	224.25 20.18 44.85	16.94
05 12 23 00-0203 LF W12 x 120 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	169.15 15.22 33.83	15.55
05 12 23 00-0204 LF W12 x 106 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	155.73 14.02 31.15	15.05
05 12 23 00-0205 LF W12 x 96 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	139.09 12.52 27.82	14.57
05 12 23 00-0206 LF W12 x 87 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	128.14 11.53 25.63	14.07
05 12 23 00-0207 LF W12 x 79 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	112.16 10.09 22.43	13.66
05 12 23 00-0208 LF W12 x 72 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	102.47 9.22 20.49	13.30
05 12 23 00-0209 LF W12 x 65 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	93.48 8.41 18.70	13.02
05 12 23 00-0210 LF W12 x 58 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	90.37 8.13 18.07	12.89
05 12 23 00-0211 LF W12 x 53 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	83.72 7.53 16.74	12.60
05 12 23 00-0212 LF W12 x 50 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	81.03 7.29 16.21	12.53
05 12 23 00-0213 LF W12 x 45 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	73.43 6.61 14.69	12.25
05 12 23 00-0214 LF W12 x 40 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	65.57 5.90 13.11	11.97
05 12 23 00-0215 LF W10 x 112 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	163.00 14.67 32.60	15.34
05 12 23 00-0216 LF W10 x 110 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	147.22 13.25 29.44	14.70
05 12 23 00-0217 LF W10 x 88 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	132.12 11.89 26.42	14.22
05 12 23 00-0218 LF W10 x 77 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	117.25 10.55 23.45	13.66
05 12 23 00-0219 LF W10 x 68 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	105.34 9.48 21.07	13.30
05 12 23 00-0220 LF W10 x 60 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	92.11 8.29 18.42	12.95
05 12 23 00-0221 LF W10 x 54 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	91.50 8.24 18.30	12.74
05 12 23 00-0222 LF W10 x 49 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	80.03 7.20 16.01	12.53
05 12 23 00-0223 LF W10 x 45 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	77.16 6.94 15.43	12.33
05 12 23 00-0224 LF W10 x 39 A992/A36 Structural Column ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	66.83 6.01 13.37	12.12



## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0225	LF	W10 x 33 A992/A36 Structural Column	.....	57.96	11.77
		For High Strength Low Alloy A572-50 Steel, Add		5.22	
		For High Strength Low Alloy A588 Grade B Steel, Add		11.59	
05 12 23 00-0226	LF	W8 x 67 A992/A36 Structural Column	.....	101.32	13.30
		For High Strength Low Alloy A572-50 Steel, Add		9.12	
		For High Strength Low Alloy A588 Grade B Steel, Add		20.26	
05 12 23 00-0227	LF	W8 x 58 A992/A36 Structural Column	.....	90.73	12.89
		For High Strength Low Alloy A572-50 Steel, Add		8.17	
		For High Strength Low Alloy A588 Grade B Steel, Add		18.15	
05 12 23 00-0228	LF	W8 x 48 A992/A36 Structural Column	.....	80.97	12.53
		For High Strength Low Alloy A572-50 Steel, Add		7.29	
		For High Strength Low Alloy A588 Grade B Steel, Add		16.19	
05 12 23 00-0229	LF	W8 x 40 A992/A36 Structural Column	.....	69.14	12.18
		For High Strength Low Alloy A572-50 Steel, Add		6.22	
		For High Strength Low Alloy A588 Grade B Steel, Add		13.83	
05 12 23 00-0230	LF	W8 x 35 A992/A36 Structural Column	.....	62.24	11.91
		For High Strength Low Alloy A572-50 Steel, Add		5.60	
		For High Strength Low Alloy A588 Grade B Steel, Add		12.45	
05 12 23 00-0231	LF	W8 x 31 A992/A36 Structural Column	.....	56.66	11.77
		For High Strength Low Alloy A572-50 Steel, Add		5.10	
		For High Strength Low Alloy A588 Grade B Steel, Add		11.33	
05 12 23 00-0232	LF	W8 x 28 A992/A36 Structural Column	.....	53.20	11.62
		For High Strength Low Alloy A572-50 Steel, Add		4.79	
		For High Strength Low Alloy A588 Grade B Steel, Add		10.64	
05 12 23 00-0233	LF	W8 x 24 A992/A36 Structural Column	.....	49.04	11.48
		For High Strength Low Alloy A572-50 Steel, Add		4.41	
		For High Strength Low Alloy A588 Grade B Steel, Add		9.81	
05 12 23 00-0234	LF	W8 x 21 A992/A36 Structural Column	.....	46.31	11.41
		For High Strength Low Alloy A572-50 Steel, Add		4.17	
		For High Strength Low Alloy A588 Grade B Steel, Add		9.26	
05 12 23 00-0235	LF	W8 x 18 A992/A36 Structural Column	.....	41.07	11.20
		For High Strength Low Alloy A572-50 Steel, Add		3.70	
		For High Strength Low Alloy A588 Grade B Steel, Add		8.21	
05 12 23 00-0236	LF	W6 x 25 A992/A36 Structural Column	.....	51.64	11.48
		For High Strength Low Alloy A572-50 Steel, Add		4.65	
		For High Strength Low Alloy A588 Grade B Steel, Add		10.33	
05 12 23 00-0237	LF	W6 x 20 A992/A36 Structural Column	.....	43.27	11.27
		For High Strength Low Alloy A572-50 Steel, Add		3.89	
		For High Strength Low Alloy A588 Grade B Steel, Add		8.65	
05 12 23 00-0238	LF	W6 x 15 A992/A36 Structural Column	.....	36.77	10.92
		For High Strength Low Alloy A572-50 Steel, Add		3.31	
		For High Strength Low Alloy A588 Grade B Steel, Add		7.35	
05 12 23 00-0239	LF	W6 x 12 A992/A36 Structural Column	.....	34.28	10.92
		For High Strength Low Alloy A572-50 Steel, Add		3.09	
		For High Strength Low Alloy A588 Grade B Steel, Add		6.86	
05 12 23 00-0240	LF	W6 x 9 A992/A36 Structural Column	.....	31.14	10.85
		For High Strength Low Alloy A572-50 Steel, Add		2.80	
		For High Strength Low Alloy A588 Grade B Steel, Add		6.23	
05 12 23 00-0241	LF	W5 x 19 A992/A36 Structural Column	.....	42.56	11.27
		For High Strength Low Alloy A572-50 Steel, Add		3.83	
		For High Strength Low Alloy A588 Grade B Steel, Add		8.51	
05 12 23 00-0242	LF	W5 x 16 A992/A36 Structural Column	.....	39.00	11.20
		For High Strength Low Alloy A572-50 Steel, Add		3.51	
		For High Strength Low Alloy A588 Grade B Steel, Add		7.80	
05 12 23 00-0243	LF	W4 x 13 A992/A36 Structural Column	.....	36.37	11.06
		For High Strength Low Alloy A572-50 Steel, Add		3.27	
		For High Strength Low Alloy A588 Grade B Steel, Add		7.27	
05 12 23 00-0244		A992/A36 Structural Steel Beams And Girders, W Shapes	(05 12 23 00-0163)		
		Note: Includes material delivery and erection.			
05 12 23 00-0245	LF	W36 x 300 A992/A36 Structural Beam Or Girder	.....	356.26	49.18
		For High Strength Low Alloy A572-50 Steel, Add		32.06	
		For High Strength Low Alloy A588 Steel, Add		71.25	
		For Each Additional Top Copes >2, Add		3.04	
		For Structural Tees, WT, MT Or ST, Deduct		-116.82	
		For Skewed Or Sloped Connections, Add		42.75	
05 12 23 00-0246	LF	W36 x 280 A992/A36 Structural Beam Or Girder	.....	339.57	52.52
		For High Strength Low Alloy A572-50 Steel, Add		30.56	
		For High Strength Low Alloy A588 Steel, Add		67.91	
		For Each Additional Top Copes >2, Add		2.84	
		For Structural Tees, WT, MT Or ST, Deduct		-110.45	
		For Skewed Or Sloped Connections, Add		40.75	
05 12 23 00-0247	LF	W36 x 260 A992/A36 Structural Beam Or Girder	.....	321.24	51.89
		For High Strength Low Alloy A572-50 Steel, Add		28.91	
		For High Strength Low Alloy A588 Steel, Add		64.25	
		For Each Additional Top Copes >2, Add		2.66	
		For Structural Tees, WT, MT Or ST, Deduct		-104.14	
		For Skewed Or Sloped Connections, Add		38.55	
05 12 23 00-0248	LF	W36 x 240 A992/A36 Structural Beam Or Girder	.....	303.09	47.40
		For High Strength Low Alloy A572-50 Steel, Add		27.28	
		For High Strength Low Alloy A588 Steel, Add		60.62	
		For Each Additional Top Copes >2, Add		2.53	
		For Structural Tees, WT, MT Or ST, Deduct		-98.50	
		For Skewed Or Sloped Connections, Add		36.37	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0249	LF		W36 x 230 A992/A36 Structural Beam Or Girder ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	293.29 26.40 58.66 2.42 -94.96 35.19	48.07
05 12 23 00-0250	LF		W36 x 210 A992/A36 Structural Beam Or Girder ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	274.54 24.71 54.91 2.21 -88.05 32.94	50.21
05 12 23 00-0251	LF		W36 x 194 A992/A36 Structural Beam Or Girder ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	262.46 23.62 52.49 2.13 -84.51 31.50	45.98
05 12 23 00-0252	LF		W36 x 182 A992/A36 Structural Beam Or Girder ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	248.90 22.40 49.78 2.00 -79.81 29.87	45.64
05 12 23 00-0253	LF		W36 x 170 A992/A36 Structural Beam Or Girder ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	235.13 21.16 47.03 1.87 -75.08 28.22	45.12
05 12 23 00-0254	LF		W36 x 160 A992/A36 Structural Beam Or Girder ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	227.83 20.50 45.57 1.76 -71.97 27.34	48.60
05 12 23 00-0255	LF		W36 x 150 A992/A36 Structural Beam Or Girder ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	218.26 19.64 43.65 1.67 -68.67 26.19	48.25
05 12 23 00-0256	LF		W36 x 135 A992/A36 Structural Beam Or Girder ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	204.88 18.44 40.98 1.54 -64.06 24.59	47.82
05 12 23 00-0257	LF		W33 x 241 A992/A36 Structural Beam Or Girder ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	306.88 27.62 61.38 2.55 -99.59 36.83	48.89
05 12 23 00-0258	LF		W33 x 221 A992/A36 Structural Beam Or Girder ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	284.46 25.60 56.89 2.34 -91.93 34.14	47.69
05 12 23 00-0259	LF		W33 x 201 A992/A36 Structural Beam Or Girder ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	265.67 23.91 53.13 2.12 -85.00 31.88	49.85
05 12 23 00-0260	LF		W33 x 170 A992/A36 Structural Beam Or Girder ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	238.12 21.43 47.62 1.86 -75.52 28.57	48.94
05 12 23 00-0261	LF		W33 x 152 A992/A36 Structural Beam Or Girder ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	219.87 19.79 43.97 1.72 -69.76 26.38	44.97
05 12 23 00-0262	LF		W33 x 141 A992/A36 Structural Beam Or Girder ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	210.64 18.96 42.13 1.59 -66.05 25.28	47.96

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0263	LF		W33 x 130 A992/A36 Structural Beam Or Girder.....	199.82	47.61
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	17.98	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	39.96	
			<i>For Each Additional Top Copes &gt;2, Add</i>	1.49	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-62.32	
			<i>For Skewed Or Sloped Connections, Add</i>	23.98	
05 12 23 00-0264	LF		W33 x 118 A992/A36 Structural Beam Or Girder.....	187.22	47.19
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	16.85	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	37.44	
			<i>For Each Additional Top Copes &gt;2, Add</i>	1.37	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-57.97	
			<i>For Skewed Or Sloped Connections, Add</i>	22.47	
05 12 23 00-0265	LF		W30 x 211 A992/A36 Structural Beam Or Girder.....	272.67	47.60
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	24.54	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	54.53	
			<i>For Each Additional Top Copes &gt;2, Add</i>	2.22	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-87.82	
			<i>For Skewed Or Sloped Connections, Add</i>	32.72	
05 12 23 00-0266	LF		W30 x 191 A992/A36 Structural Beam Or Girder.....	253.73	49.50
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	22.84	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	50.75	
			<i>For Each Additional Top Copes &gt;2, Add</i>	2.01	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-80.88	
			<i>For Skewed Or Sloped Connections, Add</i>	30.45	
05 12 23 00-0267	LF		W30 x 173 A992/A36 Structural Beam Or Girder.....	235.96	45.43
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	21.24	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	47.19	
			<i>For Each Additional Top Copes &gt;2, Add</i>	1.88	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-75.32	
			<i>For Skewed Or Sloped Connections, Add</i>	28.32	
05 12 23 00-0268	LF		W30 x 154 A992/A36 Structural Beam Or Girder.....	218.45	48.32
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	19.66	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	43.69	
			<i>For Each Additional Top Copes &gt;2, Add</i>	1.67	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-68.73	
			<i>For Skewed Or Sloped Connections, Add</i>	26.21	
05 12 23 00-0269	LF		W30 x 132 A992/A36 Structural Beam Or Girder.....	198.05	43.83
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	17.82	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	39.61	
			<i>For Each Additional Top Copes &gt;2, Add</i>	1.51	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-62.31	
			<i>For Skewed Or Sloped Connections, Add</i>	23.77	
05 12 23 00-0270	LF		W30 x 124 A992/A36 Structural Beam Or Girder.....	188.85	43.81
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	17.00	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	37.77	
			<i>For Each Additional Top Copes &gt;2, Add</i>	1.42	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-59.09	
			<i>For Skewed Or Sloped Connections, Add</i>	22.66	
05 12 23 00-0271	LF		W30 x 116 A992/A36 Structural Beam Or Girder.....	183.23	47.13
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	16.49	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	36.65	
			<i>For Each Additional Top Copes &gt;2, Add</i>	1.33	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-56.59	
			<i>For Skewed Or Sloped Connections, Add</i>	21.99	
05 12 23 00-0272	LF		W30 x 108 A992/A36 Structural Beam Or Girder.....	169.68	42.43
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	15.27	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	33.94	
			<i>For Each Additional Top Copes &gt;2, Add</i>	1.24	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-52.60	
			<i>For Skewed Or Sloped Connections, Add</i>	20.36	
05 12 23 00-0273	LF		W30 x 99 A992/A36 Structural Beam Or Girder.....	161.94	42.22
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.57	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	32.39	
			<i>For Each Additional Top Copes &gt;2, Add</i>	1.17	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-49.94	
			<i>For Skewed Or Sloped Connections, Add</i>	19.43	
05 12 23 00-0274	LF		W27 x 178 A992/A36 Structural Beam Or Girder.....	262.14	53.19
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	23.59	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	52.43	
			<i>For Each Additional Top Copes &gt;2, Add</i>	2.05	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-83.24	
			<i>For Skewed Or Sloped Connections, Add</i>	31.46	
05 12 23 00-0275	LF		W27 x 161 A992/A36 Structural Beam Or Girder.....	240.37	51.18
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	21.63	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	48.07	
			<i>For Each Additional Top Copes &gt;2, Add</i>	1.86	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-75.94	
			<i>For Skewed Or Sloped Connections, Add</i>	28.84	
05 12 23 00-0276	LF		W27 x 146 A992/A36 Structural Beam Or Girder.....	221.13	49.37
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	19.90	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	44.23	
			<i>For Each Additional Top Copes &gt;2, Add</i>	1.68	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-69.50	
			<i>For Skewed Or Sloped Connections, Add</i>	26.54	



<b>Metals</b>	<b>05</b>	<b>05</b>
<b>Structural Metal Framing</b>	<b>05 10</b>	
<b>Structural Steel Framing</b>	<b>05 12</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0277 LF W27 x 114 A992/A36 Structural Beam Or Girder .....	175.30	41.01
For High Strength Low Alloy A572-50 Steel, Add	15.78	
For High Strength Low Alloy A588 Steel, Add	35.06	
For Each Additional Top Copes >2, Add	1.32	
For Structural Tees, WT, MT Or ST, Deduct	-54.79	
For Skewed Or Sloped Connections, Add	21.04	
05 12 23 00-0278 LF W27 x 102 A992/A36 Structural Beam Or Girder .....	162.73	42.22
For High Strength Low Alloy A572-50 Steel, Add	14.65	
For High Strength Low Alloy A588 Steel, Add	32.55	
For Each Additional Top Copes >2, Add	1.18	
For Structural Tees, WT, MT Or ST, Deduct	-50.20	
For Skewed Or Sloped Connections, Add	19.53	
05 12 23 00-0279 LF W27 x 94 A992/A36 Structural Beam Or Girder .....	155.46	41.95
For High Strength Low Alloy A572-50 Steel, Add	13.99	
For High Strength Low Alloy A588 Steel, Add	31.09	
For Each Additional Top Copes >2, Add	1.11	
For Structural Tees, WT, MT Or ST, Deduct	-47.70	
For Skewed Or Sloped Connections, Add	18.66	
05 12 23 00-0280 LF W27 x 84 A992/A36 Structural Beam Or Girder .....	146.60	41.66
For High Strength Low Alloy A572-50 Steel, Add	13.19	
For High Strength Low Alloy A588 Steel, Add	29.32	
For Each Additional Top Copes >2, Add	1.02	
For Structural Tees, WT, MT Or ST, Deduct	-44.65	
For Skewed Or Sloped Connections, Add	17.59	
05 12 23 00-0281 LF W24 x 162 A992/A36 Structural Beam Or Girder .....	231.54	49.07
For High Strength Low Alloy A572-50 Steel, Add	20.84	
For High Strength Low Alloy A588 Steel, Add	46.31	
For Each Additional Top Copes >2, Add	1.79	
For Structural Tees, WT, MT Or ST, Deduct	-73.19	
For Skewed Or Sloped Connections, Add	27.78	
05 12 23 00-0282 LF W24 x 146 A992/A36 Structural Beam Or Girder .....	211.68	47.04
For High Strength Low Alloy A572-50 Steel, Add	19.05	
For High Strength Low Alloy A588 Steel, Add	42.34	
For Each Additional Top Copes >2, Add	1.62	
For Structural Tees, WT, MT Or ST, Deduct	-66.56	
For Skewed Or Sloped Connections, Add	25.40	
05 12 23 00-0283 LF W24 x 131 A992/A36 Structural Beam Or Girder .....	192.81	44.91
For High Strength Low Alloy A572-50 Steel, Add	17.35	
For High Strength Low Alloy A588 Steel, Add	38.56	
For Each Additional Top Copes >2, Add	1.45	
For Structural Tees, WT, MT Or ST, Deduct	-60.30	
For Skewed Or Sloped Connections, Add	23.14	
05 12 23 00-0284 LF W24 x 117 A992/A36 Structural Beam Or Girder .....	174.93	42.67
For High Strength Low Alloy A572-50 Steel, Add	15.74	
For High Strength Low Alloy A588 Steel, Add	34.99	
For Each Additional Top Copes >2, Add	1.29	
For Structural Tees, WT, MT Or ST, Deduct	-54.40	
For Skewed Or Sloped Connections, Add	20.99	
05 12 23 00-0285 LF W24 x 104 A992/A36 Structural Beam Or Girder .....	158.07	40.35
For High Strength Low Alloy A572-50 Steel, Add	14.23	
For High Strength Low Alloy A588 Steel, Add	31.61	
For Each Additional Top Copes >2, Add	1.15	
For Structural Tees, WT, MT Or ST, Deduct	-48.87	
For Skewed Or Sloped Connections, Add	18.97	
05 12 23 00-0286 LF W24 x 94 A992/A36 Structural Beam Or Girder .....	148.72	41.95
For High Strength Low Alloy A572-50 Steel, Add	13.38	
For High Strength Low Alloy A588 Steel, Add	29.74	
For Each Additional Top Copes >2, Add	1.04	
For Structural Tees, WT, MT Or ST, Deduct	-45.34	
For Skewed Or Sloped Connections, Add	17.85	
05 12 23 00-0287 LF W24 x 84 A992/A36 Structural Beam Or Girder .....	135.76	37.19
For High Strength Low Alloy A572-50 Steel, Add	12.22	
For High Strength Low Alloy A588 Steel, Add	27.15	
For Each Additional Top Copes >2, Add	0.96	
For Structural Tees, WT, MT Or ST, Deduct	-41.56	
For Skewed Or Sloped Connections, Add	16.29	
05 12 23 00-0288 LF W24 x 76 A992/A36 Structural Beam Or Girder .....	128.97	36.90
For High Strength Low Alloy A572-50 Steel, Add	11.61	
For High Strength Low Alloy A588 Steel, Add	25.79	
For Each Additional Top Copes >2, Add	0.90	
For Structural Tees, WT, MT Or ST, Deduct	-39.23	
For Skewed Or Sloped Connections, Add	15.48	
05 12 23 00-0289 LF W24 x 68 A992/A36 Structural Beam Or Girder .....	120.42	36.69
For High Strength Low Alloy A572-50 Steel, Add	10.84	
For High Strength Low Alloy A588 Steel, Add	24.08	
For Each Additional Top Copes >2, Add	0.81	
For Structural Tees, WT, MT Or ST, Deduct	-36.27	
For Skewed Or Sloped Connections, Add	14.45	
05 12 23 00-0290 LF W24 x 62 A992/A36 Structural Beam Or Girder .....	115.95	36.48
For High Strength Low Alloy A572-50 Steel, Add	10.44	
For High Strength Low Alloy A588 Steel, Add	23.19	
For Each Additional Top Copes >2, Add	0.77	
For Structural Tees, WT, MT Or ST, Deduct	-34.74	
For Skewed Or Sloped Connections, Add	13.91	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0291	LF		W24 x 55 A992/A36 Structural Beam Or Girder .....	109.82	36.34
			For High Strength Low Alloy A572-50 Steel, Add	9.88	
			For High Strength Low Alloy A588 Steel, Add	21.96	
			For Each Additional Top Copes >2, Add	0.71	
			For Structural Tees, WT, MT Or ST, Deduct	-32.63	
			For Skewed Or Sloped Connections, Add	13.18	
05 12 23 00-0292	LF		W21 x 147 A992/A36 Structural Beam Or Girder.....	202.73	40.36
			For High Strength Low Alloy A572-50 Steel, Add	18.25	
			For High Strength Low Alloy A588 Steel, Add	40.55	
			For Each Additional Top Copes >2, Add	1.60	
			For Structural Tees, WT, MT Or ST, Deduct	-64.50	
			For Skewed Or Sloped Connections, Add	24.33	
05 12 23 00-0293	LF		W21 x 132 A992/A36 Structural Beam Or Girder.....	184.51	38.55
			For High Strength Low Alloy A572-50 Steel, Add	16.61	
			For High Strength Low Alloy A588 Steel, Add	36.90	
			For Each Additional Top Copes >2, Add	1.43	
			For Structural Tees, WT, MT Or ST, Deduct	-58.41	
			For Skewed Or Sloped Connections, Add	22.14	
05 12 23 00-0294	LF		W21 x 122 A992/A36 Structural Beam Or Girder.....	172.95	37.91
			For High Strength Low Alloy A572-50 Steel, Add	15.57	
			For High Strength Low Alloy A588 Steel, Add	34.59	
			For Each Additional Top Copes >2, Add	1.33	
			For Structural Tees, WT, MT Or ST, Deduct	-54.47	
			For Skewed Or Sloped Connections, Add	20.75	
05 12 23 00-0295	LF		W21 x 111 A992/A36 Structural Beam Or Girder.....	159.71	36.69
			For High Strength Low Alloy A572-50 Steel, Add	14.37	
			For High Strength Low Alloy A588 Steel, Add	31.94	
			For Each Additional Top Copes >2, Add	1.21	
			For Structural Tees, WT, MT Or ST, Deduct	-50.03	
			For Skewed Or Sloped Connections, Add	19.17	
05 12 23 00-0296	LF		W21 x 101 A992/A36 Structural Beam Or Girder.....	147.59	35.52
			For High Strength Low Alloy A572-50 Steel, Add	13.28	
			For High Strength Low Alloy A588 Steel, Add	29.52	
			For Each Additional Top Copes >2, Add	1.10	
			For Structural Tees, WT, MT Or ST, Deduct	-45.97	
			For Skewed Or Sloped Connections, Add	17.71	
05 12 23 00-0297	LF		W21 x 93 A992/A36 Structural Beam Or Girder .....	141.14	37.61
			For High Strength Low Alloy A572-50 Steel, Add	12.70	
			For High Strength Low Alloy A588 Steel, Add	28.23	
			For Each Additional Top Copes >2, Add	1.01	
			For Structural Tees, WT, MT Or ST, Deduct	-43.38	
			For Skewed Or Sloped Connections, Add	16.94	
05 12 23 00-0298	LF		W21 x 83 A992/A36 Structural Beam Or Girder .....	133.16	37.19
			For High Strength Low Alloy A572-50 Steel, Add	11.98	
			For High Strength Low Alloy A588 Steel, Add	26.63	
			For Each Additional Top Copes >2, Add	0.93	
			For Structural Tees, WT, MT Or ST, Deduct	-40.65	
			For Skewed Or Sloped Connections, Add	15.98	
05 12 23 00-0299	LF		W21 x 73 A992/A36 Structural Beam Or Girder .....	123.34	36.90
			For High Strength Low Alloy A572-50 Steel, Add	11.10	
			For High Strength Low Alloy A588 Steel, Add	24.67	
			For Each Additional Top Copes >2, Add	0.84	
			For Structural Tees, WT, MT Or ST, Deduct	-37.27	
			For Skewed Or Sloped Connections, Add	14.80	
05 12 23 00-0300	LF		W21 x 68 A992/A36 Structural Beam Or Girder .....	118.41	36.69
			For High Strength Low Alloy A572-50 Steel, Add	10.66	
			For High Strength Low Alloy A588 Steel, Add	23.68	
			For Each Additional Top Copes >2, Add	0.79	
			For Structural Tees, WT, MT Or ST, Deduct	-35.57	
			For Skewed Or Sloped Connections, Add	14.21	
05 12 23 00-0301	LF		W21 x 62 A992/A36 Structural Beam Or Girder .....	113.94	36.48
			For High Strength Low Alloy A572-50 Steel, Add	10.25	
			For High Strength Low Alloy A588 Steel, Add	22.79	
			For Each Additional Top Copes >2, Add	0.75	
			For Structural Tees, WT, MT Or ST, Deduct	-34.04	
			For Skewed Or Sloped Connections, Add	13.67	
05 12 23 00-0302	LF		W21 x 57 A992/A36 Structural Beam Or Girder .....	109.88	36.41
			For High Strength Low Alloy A572-50 Steel, Add	9.89	
			For High Strength Low Alloy A588 Steel, Add	21.98	
			For Each Additional Top Copes >2, Add	0.71	
			For Structural Tees, WT, MT Or ST, Deduct	-32.64	
			For Skewed Or Sloped Connections, Add	13.19	
05 12 23 00-0303	LF		W21 x 50 A992/A36 Structural Beam Or Girder .....	97.51	31.58
			For High Strength Low Alloy A572-50 Steel, Add	8.78	
			For High Strength Low Alloy A588 Steel, Add	19.50	
			For Each Additional Top Copes >2, Add	0.64	
			For Structural Tees, WT, MT Or ST, Deduct	-29.07	
			For Skewed Or Sloped Connections, Add	11.70	
05 12 23 00-0304	LF		W21 x 44 A992/A36 Structural Beam Or Girder .....	92.80	31.44
			For High Strength Low Alloy A572-50 Steel, Add	8.35	
			For High Strength Low Alloy A588 Steel, Add	18.56	
			For Each Additional Top Copes >2, Add	0.59	
			For Structural Tees, WT, MT Or ST, Deduct	-27.45	
			For Skewed Or Sloped Connections, Add	11.14	



	<b>Metals</b>	<b>05</b>
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0305	LF		W18 x 119 A992/A36 Structural Beam Or Girder .....	168.15	37.77
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	15.13	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	33.63	
			<i>For Each Additional Top Copes &gt;2, Add</i>	1.28	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-52.81	
			<i>For Skewed Or Sloped Connections, Add</i>	20.18	
05 12 23 00-0306	LF		W18 x 106 A992/A36 Structural Beam Or Girder .....	152.08	35.80
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.69	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	30.42	
			<i>For Each Additional Top Copes &gt;2, Add</i>	1.14	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-47.50	
			<i>For Skewed Or Sloped Connections, Add</i>	18.25	
05 12 23 00-0307	LF		W18 x 97 A992/A36 Structural Beam Or Girder .....	144.41	37.61
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.00	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	28.88	
			<i>For Each Additional Top Copes &gt;2, Add</i>	1.04	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-44.52	
			<i>For Skewed Or Sloped Connections, Add</i>	17.33	
05 12 23 00-0308	LF		W18 x 86 A992/A36 Structural Beam Or Girder .....	135.23	37.25
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.17	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	27.05	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.95	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-41.37	
			<i>For Skewed Or Sloped Connections, Add</i>	16.23	
05 12 23 00-0309	LF		W18 x 76 A992/A36 Structural Beam Or Girder .....	126.96	36.90
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.43	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	25.39	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.88	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-38.52	
			<i>For Skewed Or Sloped Connections, Add</i>	15.24	
05 12 23 00-0310	LF		W18 x 71 A992/A36 Structural Beam Or Girder .....	120.91	36.84
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.88	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	24.18	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.82	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-36.43	
			<i>For Skewed Or Sloped Connections, Add</i>	14.51	
05 12 23 00-0311	LF		W18 x 65 A992/A36 Structural Beam Or Girder .....	115.01	36.69
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.35	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	23.00	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.76	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-34.39	
			<i>For Skewed Or Sloped Connections, Add</i>	13.80	
05 12 23 00-0312	LF		W18 x 60 A992/A36 Structural Beam Or Girder .....	109.72	36.41
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.87	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	21.94	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.71	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-32.57	
			<i>For Skewed Or Sloped Connections, Add</i>	13.17	
05 12 23 00-0313	LF		W18 x 55 A992/A36 Structural Beam Or Girder .....	104.38	36.34
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.39	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	20.88	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.66	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-30.72	
			<i>For Skewed Or Sloped Connections, Add</i>	12.53	
05 12 23 00-0314	LF		W18 x 50 A992/A36 Structural Beam Or Girder .....	94.20	31.58
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.48	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	18.84	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.60	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-27.91	
			<i>For Skewed Or Sloped Connections, Add</i>	11.30	
05 12 23 00-0315	LF		W18 x 46 A992/A36 Structural Beam Or Girder .....	90.04	31.51
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.10	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	18.01	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.56	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-26.47	
			<i>For Skewed Or Sloped Connections, Add</i>	10.80	
05 12 23 00-0316	LF		W18 x 40 A992/A36 Structural Beam Or Girder .....	78.87	26.88
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.10	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	15.77	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.50	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-23.30	
			<i>For Skewed Or Sloped Connections, Add</i>	9.46	
05 12 23 00-0317	LF		W18 x 35 A992/A36 Structural Beam Or Girder .....	73.64	26.82
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.63	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	14.73	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.45	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-21.49	
			<i>For Skewed Or Sloped Connections, Add</i>	8.84	
05 12 23 00-0318	LF		W16 x 100 A992/A36 Structural Beam Or Girder .....	138.07	24.44
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.43	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	27.61	
			<i>For Each Additional Top Copes &gt;2, Add</i>	1.12	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-44.42	
			<i>For Skewed Or Sloped Connections, Add</i>	16.57	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0319	LF		W16 x 89 A992/A36 Structural Beam Or Girder .....	126.30	24.01
			For High Strength Low Alloy A572-50 Steel, Add	11.37	
			For High Strength Low Alloy A588 Steel, Add	25.26	
			For Each Additional Top Copes >2, Add	1.01	
			For Structural Tees, WT, MT Or ST, Deduct	-40.36	
			For Skewed Or Sloped Connections, Add	15.16	
05 12 23 00-0320	LF		W16 x 77 A992/A36 Structural Beam Or Girder .....	113.64	23.74
			For High Strength Low Alloy A572-50 Steel, Add	10.23	
			For High Strength Low Alloy A588 Steel, Add	22.73	
			For Each Additional Top Copes >2, Add	0.88	
			For Structural Tees, WT, MT Or ST, Deduct	-35.98	
			For Skewed Or Sloped Connections, Add	13.64	
05 12 23 00-0321	LF		W16 x 67 A992/A36 Structural Beam Or Girder .....	102.89	23.39
			For High Strength Low Alloy A572-50 Steel, Add	9.26	
			For High Strength Low Alloy A588 Steel, Add	20.58	
			For Each Additional Top Copes >2, Add	0.78	
			For Structural Tees, WT, MT Or ST, Deduct	-32.27	
			For Skewed Or Sloped Connections, Add	12.35	
05 12 23 00-0322	LF		W16 x 57 A992/A36 Structural Beam Or Girder .....	92.24	23.04
			For High Strength Low Alloy A572-50 Steel, Add	8.30	
			For High Strength Low Alloy A588 Steel, Add	18.45	
			For Each Additional Top Copes >2, Add	0.68	
			For Structural Tees, WT, MT Or ST, Deduct	-28.60	
			For Skewed Or Sloped Connections, Add	11.07	
05 12 23 00-0323	LF		W16 x 50 A992/A36 Structural Beam Or Girder .....	84.82	22.83
			For High Strength Low Alloy A572-50 Steel, Add	7.63	
			For High Strength Low Alloy A588 Steel, Add	16.96	
			For Each Additional Top Copes >2, Add	0.60	
			For Structural Tees, WT, MT Or ST, Deduct	-26.03	
			For Skewed Or Sloped Connections, Add	10.18	
05 12 23 00-0324	LF		W16 x 45 A992/A36 Structural Beam Or Girder .....	79.58	22.68
			For High Strength Low Alloy A572-50 Steel, Add	7.16	
			For High Strength Low Alloy A588 Steel, Add	15.92	
			For Each Additional Top Copes >2, Add	0.55	
			For Structural Tees, WT, MT Or ST, Deduct	-24.22	
			For Skewed Or Sloped Connections, Add	9.55	
05 12 23 00-0325	LF		W16 x 40 A992/A36 Structural Beam Or Girder .....	74.17	22.48
			For High Strength Low Alloy A572-50 Steel, Add	6.68	
			For High Strength Low Alloy A588 Steel, Add	14.83	
			For Each Additional Top Copes >2, Add	0.50	
			For Structural Tees, WT, MT Or ST, Deduct	-22.36	
			For Skewed Or Sloped Connections, Add	8.90	
05 12 23 00-0326	LF		W16 x 36 A992/A36 Structural Beam Or Girder .....	69.94	22.33
			For High Strength Low Alloy A572-50 Steel, Add	6.29	
			For High Strength Low Alloy A588 Steel, Add	13.99	
			For Each Additional Top Copes >2, Add	0.46	
			For Structural Tees, WT, MT Or ST, Deduct	-20.91	
			For Skewed Or Sloped Connections, Add	8.39	
05 12 23 00-0327	LF		W16 x 31 A992/A36 Structural Beam Or Girder .....	59.91	17.79
			For High Strength Low Alloy A572-50 Steel, Add	5.39	
			For High Strength Low Alloy A588 Steel, Add	11.98	
			For Each Additional Top Copes >2, Add	0.41	
			For Structural Tees, WT, MT Or ST, Deduct	-18.12	
			For Skewed Or Sloped Connections, Add	7.19	
05 12 23 00-0328	LF		W16 x 26 A992/A36 Structural Beam Or Girder .....	53.09	17.57
			For High Strength Low Alloy A572-50 Steel, Add	4.78	
			For High Strength Low Alloy A588 Steel, Add	10.62	
			For Each Additional Top Copes >2, Add	0.34	
			For Structural Tees, WT, MT Or ST, Deduct	-15.77	
			For Skewed Or Sloped Connections, Add	6.37	
05 12 23 00-0329	LF		W14 x 99 A992/A36 Structural Beam Or Girder .....	132.31	20.02
			For High Strength Low Alloy A572-50 Steel, Add	11.91	
			For High Strength Low Alloy A588 Steel, Add	26.46	
			For Each Additional Top Copes >2, Add	1.11	
			For Structural Tees, WT, MT Or ST, Deduct	-43.11	
			For Skewed Or Sloped Connections, Add	15.88	
05 12 23 00-0330	LF		W14 x 90 A992/A36 Structural Beam Or Girder .....	122.73	19.67
			For High Strength Low Alloy A572-50 Steel, Add	11.05	
			For High Strength Low Alloy A588 Steel, Add	24.55	
			For Each Additional Top Copes >2, Add	1.02	
			For Structural Tees, WT, MT Or ST, Deduct	-39.81	
			For Skewed Or Sloped Connections, Add	14.73	
05 12 23 00-0331	LF		W14 x 82 A992/A36 Structural Beam Or Girder .....	114.18	19.46
			For High Strength Low Alloy A572-50 Steel, Add	10.28	
			For High Strength Low Alloy A588 Steel, Add	22.84	
			For Each Additional Top Copes >2, Add	0.93	
			For Structural Tees, WT, MT Or ST, Deduct	-36.85	
			For Skewed Or Sloped Connections, Add	13.70	
05 12 23 00-0332	LF		W14 x 74 A992/A36 Structural Beam Or Girder .....	105.63	19.19
			For High Strength Low Alloy A572-50 Steel, Add	9.51	
			For High Strength Low Alloy A588 Steel, Add	21.13	
			For Each Additional Top Copes >2, Add	0.85	
			For Structural Tees, WT, MT Or ST, Deduct	-33.90	
			For Skewed Or Sloped Connections, Add	12.68	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0333	LF		W14 x 68 A992/A36 Structural Beam Or Girder .....	99.25	18.98
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.93	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	19.85	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.79	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-31.70	
			<i>For Skewed Or Sloped Connections, Add</i>	11.91	
05 12 23 00-0334	LF		W14 x 61 A992/A36 Structural Beam Or Girder .....	91.82	18.77
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.26	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	18.36	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.72	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-29.13	
			<i>For Skewed Or Sloped Connections, Add</i>	11.02	
05 12 23 00-0335	LF		W14 x 53 A992/A36 Structural Beam Or Girder .....	83.39	18.48
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.51	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	16.68	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.64	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-26.22	
			<i>For Skewed Or Sloped Connections, Add</i>	10.01	
05 12 23 00-0336	LF		W14 x 48 A992/A36 Structural Beam Or Girder .....	77.98	18.27
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.02	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	15.60	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.58	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-24.36	
			<i>For Skewed Or Sloped Connections, Add</i>	9.36	
05 12 23 00-0337	LF		W14 x 43 A992/A36 Structural Beam Or Girder .....	72.63	18.21
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.54	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	14.53	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.53	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-22.51	
			<i>For Skewed Or Sloped Connections, Add</i>	8.72	
05 12 23 00-0338	LF		W14 x 38 A992/A36 Structural Beam Or Girder .....	67.33	18.07
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.06	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	13.47	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.48	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-20.69	
			<i>For Skewed Or Sloped Connections, Add</i>	8.08	
05 12 23 00-0339	LF		W14 x 34 A992/A36 Structural Beam Or Girder .....	63.04	17.86
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.67	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	12.61	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.44	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-19.21	
			<i>For Skewed Or Sloped Connections, Add</i>	7.56	
05 12 23 00-0340	LF		W14 x 30 A992/A36 Structural Beam Or Girder .....	58.76	17.79
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.29	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	11.75	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.40	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-17.73	
			<i>For Skewed Or Sloped Connections, Add</i>	7.05	
05 12 23 00-0341	LF		W14 x 26 A992/A36 Structural Beam Or Girder .....	54.49	17.57
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.90	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	10.90	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.36	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-16.26	
			<i>For Skewed Or Sloped Connections, Add</i>	6.54	
05 12 23 00-0342	LF		W14 x 22 A992/A36 Structural Beam Or Girder .....	50.33	17.51
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.53	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	10.07	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.32	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-14.82	
			<i>For Skewed Or Sloped Connections, Add</i>	6.04	
05 12 23 00-0343	LF		W12 x 87 A992/A36 Structural Beam Or Girder .....	119.60	19.61
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.76	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	23.92	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.99	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-38.72	
			<i>For Skewed Or Sloped Connections, Add</i>	14.35	
05 12 23 00-0344	LF		W12 x 79 A992/A36 Structural Beam Or Girder .....	111.04	19.33
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.99	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	22.21	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.90	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-35.77	
			<i>For Skewed Or Sloped Connections, Add</i>	13.32	
05 12 23 00-0345	LF		W12 x 72 A992/A36 Structural Beam Or Girder .....	103.53	19.12
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.32	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	20.71	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.83	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-33.18	
			<i>For Skewed Or Sloped Connections, Add</i>	12.42	
05 12 23 00-0346	LF		W12 x 65 A992/A36 Structural Beam Or Girder .....	96.11	18.90
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.65	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	19.22	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.76	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-30.61	
			<i>For Skewed Or Sloped Connections, Add</i>	11.53	



## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0347	LF		W12 x 58 A992/A36 Structural Beam Or Girder .....	88.62	18.63
			For High Strength Low Alloy A572-50 Steel, Add	7.98	
			For High Strength Low Alloy A588 Steel, Add	17.72	
			For Each Additional Top Copes >2, Add	0.69	
			For Structural Tees, WT, MT Or ST, Deduct	-28.03	
			For Skewed Or Sloped Connections, Add	10.63	
05 12 23 00-0348	LF		W12 x 53 A992/A36 Structural Beam Or Girder .....	83.39	18.48
			For High Strength Low Alloy A572-50 Steel, Add	7.51	
			For High Strength Low Alloy A588 Steel, Add	16.68	
			For Each Additional Top Copes >2, Add	0.64	
			For Structural Tees, WT, MT Or ST, Deduct	-26.22	
			For Skewed Or Sloped Connections, Add	10.01	
05 12 23 00-0349	LF		W12 x 50 A992/A36 Structural Beam Or Girder .....	80.06	18.42
			For High Strength Low Alloy A572-50 Steel, Add	7.21	
			For High Strength Low Alloy A588 Steel, Add	16.01	
			For Each Additional Top Copes >2, Add	0.60	
			For Structural Tees, WT, MT Or ST, Deduct	-25.08	
			For Skewed Or Sloped Connections, Add	9.61	
05 12 23 00-0350	LF		W12 x 45 A992/A36 Structural Beam Or Girder .....	74.82	18.27
			For High Strength Low Alloy A572-50 Steel, Add	6.73	
			For High Strength Low Alloy A588 Steel, Add	14.96	
			For Each Additional Top Copes >2, Add	0.55	
			For Structural Tees, WT, MT Or ST, Deduct	-23.27	
			For Skewed Or Sloped Connections, Add	8.98	
05 12 23 00-0351	LF		W12 x 40 A992/A36 Structural Beam Or Girder .....	64.65	13.58
			For High Strength Low Alloy A572-50 Steel, Add	5.82	
			For High Strength Low Alloy A588 Steel, Add	12.93	
			For Each Additional Top Copes >2, Add	0.50	
			For Structural Tees, WT, MT Or ST, Deduct	-20.45	
			For Skewed Or Sloped Connections, Add	7.76	
05 12 23 00-0352	LF		W12 x 35 A992/A36 Structural Beam Or Girder .....	59.42	13.51
			For High Strength Low Alloy A572-50 Steel, Add	5.35	
			For High Strength Low Alloy A588 Steel, Add	11.88	
			For Each Additional Top Copes >2, Add	0.45	
			For Structural Tees, WT, MT Or ST, Deduct	-18.64	
			For Skewed Or Sloped Connections, Add	7.13	
05 12 23 00-0353	LF		W12 x 30 A992/A36 Structural Beam Or Girder .....	54.00	13.30
			For High Strength Low Alloy A572-50 Steel, Add	4.86	
			For High Strength Low Alloy A588 Steel, Add	10.80	
			For Each Additional Top Copes >2, Add	0.40	
			For Structural Tees, WT, MT Or ST, Deduct	-16.78	
			For Skewed Or Sloped Connections, Add	6.48	
05 12 23 00-0354	LF		W12 x 26 A992/A36 Structural Beam Or Girder .....	49.73	13.16
			For High Strength Low Alloy A572-50 Steel, Add	4.48	
			For High Strength Low Alloy A588 Steel, Add	9.95	
			For Each Additional Top Copes >2, Add	0.36	
			For Structural Tees, WT, MT Or ST, Deduct	-15.30	
			For Skewed Or Sloped Connections, Add	5.97	
05 12 23 00-0355	LF		W12 x 22 A992/A36 Structural Beam Or Girder .....	45.57	13.02
			For High Strength Low Alloy A572-50 Steel, Add	4.10	
			For High Strength Low Alloy A588 Steel, Add	9.11	
			For Each Additional Top Copes >2, Add	0.32	
			For Structural Tees, WT, MT Or ST, Deduct	-13.87	
			For Skewed Or Sloped Connections, Add	5.47	
05 12 23 00-0356	LF		W12 x 19 A992/A36 Structural Beam Or Girder .....	42.31	12.95
			For High Strength Low Alloy A572-50 Steel, Add	3.81	
			For High Strength Low Alloy A588 Steel, Add	8.46	
			For Each Additional Top Copes >2, Add	0.29	
			For Structural Tees, WT, MT Or ST, Deduct	-12.74	
			For Skewed Or Sloped Connections, Add	5.08	
05 12 23 00-0357	LF		W12 x 16 A992/A36 Structural Beam Or Girder .....	39.09	12.74
			For High Strength Low Alloy A572-50 Steel, Add	3.52	
			For High Strength Low Alloy A588 Steel, Add	7.82	
			For Each Additional Top Copes >2, Add	0.25	
			For Structural Tees, WT, MT Or ST, Deduct	-11.63	
			For Skewed Or Sloped Connections, Add	4.69	
05 12 23 00-0358	LF		W12 x 14 A992/A36 Structural Beam Or Girder .....	37.00	12.74
			For High Strength Low Alloy A572-50 Steel, Add	3.33	
			For High Strength Low Alloy A588 Steel, Add	7.40	
			For Each Additional Top Copes >2, Add	0.23	
			For Structural Tees, WT, MT Or ST, Deduct	-10.91	
			For Skewed Or Sloped Connections, Add	4.44	
05 12 23 00-0359	LF		W10 x 68 A992/A36 Structural Beam Or Girder .....	94.81	14.64
			For High Strength Low Alloy A572-50 Steel, Add	8.53	
			For High Strength Low Alloy A588 Steel, Add	18.96	
			For Each Additional Top Copes >2, Add	0.79	
			For Structural Tees, WT, MT Or ST, Deduct	-30.85	
			For Skewed Or Sloped Connections, Add	11.38	
05 12 23 00-0360	LF		W10 x 60 A992/A36 Structural Beam Or Girder .....	86.35	14.35
			For High Strength Low Alloy A572-50 Steel, Add	7.77	
			For High Strength Low Alloy A588 Steel, Add	17.27	
			For Each Additional Top Copes >2, Add	0.71	
			For Structural Tees, WT, MT Or ST, Deduct	-27.93	
			For Skewed Or Sloped Connections, Add	10.36	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0361	LF		W10 x 54 A992/A36 Structural Beam Or Girder .....	79.87	14.07
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.19	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	15.97	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.65	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-25.70	
			<i>For Skewed Or Sloped Connections, Add</i>	9.58	
05 12 23 00-0362	LF		W10 x 49 A992/A36 Structural Beam Or Girder .....	74.58	13.93
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.71	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	14.92	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.60	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-23.88	
			<i>For Skewed Or Sloped Connections, Add</i>	8.95	
05 12 23 00-0363	LF		W10 x 45 A992/A36 Structural Beam Or Girder .....	70.30	13.87
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.33	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	14.06	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.56	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-22.40	
			<i>For Skewed Or Sloped Connections, Add</i>	8.44	
05 12 23 00-0364	LF		W10 x 39 A992/A36 Structural Beam Or Girder .....	63.94	13.58
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.75	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	12.79	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.49	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-20.21	
			<i>For Skewed Or Sloped Connections, Add</i>	7.67	
05 12 23 00-0365	LF		W10 x 33 A992/A36 Structural Beam Or Girder .....	57.58	13.37
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.18	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	11.52	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.43	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-18.01	
			<i>For Skewed Or Sloped Connections, Add</i>	6.91	
05 12 23 00-0366	LF		W10 x 30 A992/A36 Structural Beam Or Girder .....	54.32	13.30
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.89	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	10.86	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.40	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-16.88	
			<i>For Skewed Or Sloped Connections, Add</i>	6.52	
05 12 23 00-0367	LF		W10 x 26 A992/A36 Structural Beam Or Girder .....	50.15	13.24
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.51	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	10.03	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.36	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-15.44	
			<i>For Skewed Or Sloped Connections, Add</i>	6.02	
05 12 23 00-0368	LF		W10 x 22 A992/A36 Structural Beam Or Girder .....	45.81	13.02
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.12	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	9.16	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.32	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-13.95	
			<i>For Skewed Or Sloped Connections, Add</i>	5.50	
05 12 23 00-0369	LF		W10 x 19 A992/A36 Structural Beam Or Girder .....	42.66	12.95
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	3.84	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	8.53	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.29	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-12.86	
			<i>For Skewed Or Sloped Connections, Add</i>	5.12	
05 12 23 00-0370	LF		W10 x 17 A992/A36 Structural Beam Or Girder .....	40.45	12.89
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	3.64	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	8.09	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.27	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-12.10	
			<i>For Skewed Or Sloped Connections, Add</i>	4.85	
05 12 23 00-0371	LF		W10 x 15 A992/A36 Structural Beam Or Girder .....	38.38	12.74
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	3.45	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	7.68	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.25	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-11.38	
			<i>For Skewed Or Sloped Connections, Add</i>	4.61	
05 12 23 00-0372	LF		W10 x 12 A992/A36 Structural Beam Or Girder .....	35.23	12.74
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	3.17	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	7.05	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.22	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-10.29	
			<i>For Skewed Or Sloped Connections, Add</i>	4.23	
05 12 23 00-0373	LF		W8 x 35 A992/A36 Structural Beam Or Girder .....	59.66	13.51
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.37	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	11.93	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.45	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-18.73	
			<i>For Skewed Or Sloped Connections, Add</i>	7.16	
05 12 23 00-0374	LF		W8 x 31 A992/A36 Structural Beam Or Girder .....	55.39	13.30
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.99	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	11.08	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.41	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-17.25	
			<i>For Skewed Or Sloped Connections, Add</i>	6.65	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0375	LF		W8 x 28 A992/A36 Structural Beam Or Girder .....	51.46	12.53
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.63	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	10.29	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.38	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-16.01	
			<i>For Skewed Or Sloped Connections, Add</i>	6.18	
05 12 23 00-0376	LF		W8 x 24 A992/A36 Structural Beam Or Girder .....	46.85	11.77
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.22	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	9.37	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.34	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-14.52	
			<i>For Skewed Or Sloped Connections, Add</i>	5.62	
05 12 23 00-0377	LF		W8 x 21 A992/A36 Structural Beam Or Girder .....	43.59	10.92
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	3.92	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	8.72	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.32	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-13.50	
			<i>For Skewed Or Sloped Connections, Add</i>	5.23	
05 12 23 00-0378	LF		W8 x 18 A992/A36 Structural Beam Or Girder .....	38.01	10.15
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	3.42	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	7.60	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.27	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-11.68	
			<i>For Skewed Or Sloped Connections, Add</i>	4.56	
05 12 23 00-0379	LF		W8 x 10 A992/A36 Structural Beam Or Girder .....	22.20	7.28
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	2.00	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	4.44	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.15	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-6.62	
			<i>For Skewed Or Sloped Connections, Add</i>	2.66	
05 12 23 00-0380	LF		W6 x 9 A992/A36 Structural Beam Or Girder .....	20.61	5.95
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	1.85	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	4.12	
			<i>For Each Additional Top Copes &gt;2, Add</i>	0.14	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-6.27	
			<i>For Skewed Or Sloped Connections, Add</i>	2.47	
05 12 23 00-0381			<b>A992/A36 Structural Steel, M Shapes</b> (05 12 23 00-0163)		
			Note: Includes material delivery and erection.		
05 12 23 00-0382	LF		M14 x 18 A992/A36 Structural Steel .....	43.54	9.96
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	3.92	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	8.71	
05 12 23 00-0383	LF		M12 x 11.8 A992/A36 Structural Steel .....	30.97	8.81
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	2.79	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	6.19	
05 12 23 00-0384	LF		M10 x 9 A992/A36 Structural Steel .....	24.00	7.06
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	2.16	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	4.80	
05 12 23 00-0385	LF		M8 x 6.5 A992/A36 Structural Steel .....	17.33	5.10
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	1.56	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	3.47	
05 12 23 00-0386	LF		M6 x 20 A992/A36 Structural Steel .....	48.50	11.27
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.37	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	9.70	
05 12 23 00-0387	LF		M6 x 4.4 A992/A36 Structural Steel .....	11.72	3.45
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	1.05	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	2.34	
05 12 23 00-0388	LF		M5 x 18.9 A992/A36 Structural Steel .....	46.56	11.27
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	4.19	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	9.31	
05 12 23 00-0389	LF		M4 x 13 A992/A36 Structural Steel .....	37.79	11.06
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	3.40	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	7.56	
05 12 23 00-0390			<b>A992/A36 Structural Steel, S Shapes</b> (05 12 23 00-0163)		
			Note: Includes material delivery and erection.		
05 12 23 00-0391	LF		S24 x 121 A992/A36 Structural Steel .....	263.44	50.41
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	23.71	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	52.69	
05 12 23 00-0392	LF		S24 x 106 A992/A36 Structural Steel .....	233.28	46.49
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	21.00	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	46.66	
05 12 23 00-0393	LF		S24 x 100 A992/A36 Structural Steel .....	222.53	46.17
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	20.03	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	44.51	
05 12 23 00-0394	LF		S24 x 90 A992/A36 Structural Steel .....	202.61	43.74
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	18.23	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	40.52	
05 12 23 00-0395	LF		S24 x 80 A992/A36 Structural Steel .....	182.27	40.92
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	16.40	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	36.45	
05 12 23 00-0396	LF		S20 x 96 A992/A36 Structural Steel .....	213.63	44.32
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	19.23	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	42.73	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
	05 12 23 00-0397	LF		S20 x 86 A992/A36 Structural Steel ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	193.60 17.42 38.72	41.79	
	05 12 23 00-0398	LF		S20 x 75 A992/A36 Structural Steel ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	170.88 15.38 34.18	38.37	
	05 12 23 00-0399	LF		S20 x 66 A992/A36 Structural Steel ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	152.27 13.70 30.45	35.54	
	05 12 23 00-0400	LF		S18 x 70 A992/A36 Structural Steel ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	161.51 14.54 32.30	37.69	
	05 12 23 00-0401	LF		S18 x 54.7 A992/A36 Structural Steel ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	127.85 11.51 25.57	31.00	
	05 12 23 00-0402	LF		S15 x 50 A992/A36 Structural Steel ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	118.46 10.66 23.69	29.83	
	05 12 23 00-0403	LF		S15 x 42.9 A992/A36 Structural Steel ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	103.07 9.28 20.61	26.94	
	05 12 23 00-0404	LF		S12 x 50 A992/A36 Structural Steel ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	116.87 10.52 23.37	28.34	
	05 12 23 00-0405	LF		S12 x 40.8 A992/A36 Structural Steel ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	96.66 8.70 19.33	24.34	
	05 12 23 00-0406	LF		S12 x 35 A992/A36 Structural Steel ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	84.09 7.57 16.82	21.98	
	05 12 23 00-0407	LF		S12 x 31.8 A992/A36 Structural Steel ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	77.52 6.98 15.50	21.02	
	05 12 23 00-0408	LF		S10 x 35 A992/A36 Structural Steel ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	85.33 7.68 17.07	23.14	
	05 12 23 00-0409	LF		S10 x 25.4 A992/A36 Structural Steel ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	62.86 5.66 12.57	17.67	
	05 12 23 00-0410	LF		S8 x 23 A992/A36 Structural Steel ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	56.93 5.12 11.39	16.01	
	05 12 23 00-0411	LF		S8 x 18.4 A992/A36 Structural Steel ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	46.26 4.16 9.25	13.48	
	05 12 23 00-0412	LF		S7 x 20 A992/A36 Structural Steel ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	50.28 4.53 10.06	14.65	
	05 12 23 00-0413	LF		S7 x 15.3 A992/A36 Structural Steel ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	39.10 3.52 7.82	11.80	
	05 12 23 00-0414	LF		S6 x 17.25 A992/A36 Structural Steel ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	42.51 3.83 8.50	11.82	
	05 12 23 00-0415	LF		S6 x 12.5 A992/A36 Structural Steel ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	36.21 3.26 7.24	10.92	
	05 12 23 00-0416	LF		S5 x 14.75 A992/A36 Structural Steel ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	38.71 3.48 7.74	11.14	
	05 12 23 00-0417	LF		S5 x 10 A992/A36 Structural Steel ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	32.48 2.92 6.50	10.85	
	05 12 23 00-0418	LF		S4 x 9.5 A992/A36 Structural Steel ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	31.51 2.84 6.30	10.85	
	05 12 23 00-0419	LF		S4 x 7.7 A992/A36 Structural Steel ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	29.30 2.64 5.86	10.85	
	05 12 23 00-0420	LF		S3 x 7.5 A992/A36 Structural Steel ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	29.09 2.62 5.82	10.85	
	05 12 23 00-0421	LF		S3 x 5.7 A992/A36 Structural Steel ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	26.43 2.38 5.29	10.79	
	05 12 23 00-0422	<b>A992/A36 Structural Steel, HP Shapes</b> (05 12 23 00-0163) Note: Includes material delivery and erection.					
	05 12 23 00-0423	LF		HP14 x 117 A992/A36 Structural Steel ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	164.86 14.84 32.97	14.94	
	05 12 23 00-0424	LF		HP14 x 102 A992/A36 Structural Steel ..... <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	144.12 12.97 28.82	13.90	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0425	LF		HP14 x 89 A992/A36 Structural Steel.....	128.31	13.03
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.55	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	25.66	
05 12 23 00-0426	LF		HP14 x 73 A992/A36 Structural Steel.....	105.98	12.29
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.54	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	21.20	
05 12 23 00-0427	LF		HP13 x 100 A992/A36 Structural Steel.....	141.30	13.63
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.72	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	28.26	
05 12 23 00-0428	LF		HP13 x 87 A992/A36 Structural Steel.....	125.42	12.75
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.29	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	25.08	
05 12 23 00-0429	LF		HP13 x 73 A992/A36 Structural Steel.....	105.98	12.29
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.54	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	21.20	
05 12 23 00-0430	LF		HP13 x 60 A992/A36 Structural Steel.....	89.58	11.77
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.06	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	17.92	
05 12 23 00-0431	LF		HP12 x 84 A992/A36 Structural Steel.....	118.09	13.44
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.63	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	23.62	
05 12 23 00-0432	LF		HP12 x 74 A992/A36 Structural Steel.....	104.21	12.67
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.38	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	20.84	
05 12 23 00-0433	LF		HP12 x 63 A992/A36 Structural Steel.....	89.59	11.66
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.06	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	17.92	
05 12 23 00-0434	LF		HP12 x 53 A992/A36 Structural Steel.....	82.08	11.09
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.39	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	16.42	
05 12 23 00-0435	LF		HP10 x 57 A992/A36 Structural Steel.....	86.51	11.37
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.79	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	17.30	
05 12 23 00-0436	LF		HP10 x 42 A992/A36 Structural Steel.....	71.10	10.66
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.40	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	14.22	
05 12 23 00-0437	LF		HP8 x 36 A992/A36 Structural Steel.....	61.69	10.05
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.55	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	12.34	
05 12 23 00-0438			Lightweight Framing Steel Shapes (05 12 23)		
05 12 23 00-0439			Angle Iron - L (05 12 23 00-0438)		
05 12 23 00-0440			1/8" Thick (05 12 23 00-0439)		
05 12 23 00-0441	LF		1/2" x 1/2" x 1/8" Thick, Plain Steel Angle Iron.....	1.77	1.02
			<i>For &gt;100 To 250, Deduct</i>	-0.10	
			<i>For &gt;250 To 500, Deduct</i>	-0.15	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.22	
			<i>For &gt;1,000, Deduct</i>	-0.30	
			<i>For 316 Stainless Steel, Add</i>	1.31	
			<i>For Aluminum, Add</i>	0.07	
			<i>For Galvanized Steel, Add</i>	0.25	
			<i>For 304 Stainless Steel, Add</i>	1.17	
			<i>For High Strength Steel (HSS), Add</i>	0.35	
05 12 23 00-0442	LF		3/4" x 1/2" x 1/8" Thick, Plain Steel Angle Iron.....	2.05	1.16
			<i>For &gt;100 To 250, Deduct</i>	-0.12	
			<i>For &gt;250 To 500, Deduct</i>	-0.17	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.26	
			<i>For &gt;1,000, Deduct</i>	-0.35	
			<i>For 316 Stainless Steel, Add</i>	1.63	
			<i>For Aluminum, Add</i>	0.09	
			<i>For Galvanized Steel, Add</i>	0.32	
			<i>For 304 Stainless Steel, Add</i>	1.45	
			<i>For High Strength Steel (HSS), Add</i>	0.41	
05 12 23 00-0443	LF		3/4" x 3/4" x 1/8" Thick, Plain Steel Angle Iron.....	2.33	1.27
			<i>For &gt;100 To 250, Deduct</i>	-0.13	
			<i>For &gt;250 To 500, Deduct</i>	-0.19	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.29	
			<i>For &gt;1,000, Deduct</i>	-0.39	
			<i>For 316 Stainless Steel, Add</i>	2.02	
			<i>For Aluminum, Add</i>	0.11	
			<i>For Galvanized Steel, Add</i>	0.39	
			<i>For 304 Stainless Steel, Add</i>	1.80	
			<i>For High Strength Steel (HSS), Add</i>	0.47	
05 12 23 00-0444	LF		1" x 3/4" x 1/8" Thick, Plain Steel Angle Iron.....	2.62	1.42
			<i>For &gt;100 To 250, Deduct</i>	-0.14	
			<i>For &gt;250 To 500, Deduct</i>	-0.21	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.32	
			<i>For &gt;1,000, Deduct</i>	-0.43	
			<i>For 316 Stainless Steel, Add</i>	2.34	
			<i>For Aluminum, Add</i>	0.13	
			<i>For Galvanized Steel, Add</i>	0.45	
			<i>For 304 Stainless Steel, Add</i>	2.08	
			<i>For High Strength Steel (HSS), Add</i>	0.52	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0445 LF 1" x 1" x 1/8" Thick, Plain Steel Angle Iron .....	2.90	1.53
For >100 To 250, Deduct	-0.15	
For >250 To 500, Deduct	-0.23	
For >500 To 1,000, Deduct	-0.35	
For >1,000, Deduct	-0.47	
For 316 Stainless Steel, Add	2.75	
For Aluminum, Add	0.15	
For Galvanized Steel, Add	0.53	
For 304 Stainless Steel, Add	2.45	
For High Strength Steel (HSS), Add	0.58	
05 12 23 00-0446 LF 1-1/4" x 1-1/4" x 1/8" Thick, Plain Steel Angle Iron .....	3.48	1.81
For >100 To 250, Deduct	-0.18	
For >250 To 500, Deduct	-0.27	
For >500 To 1,000, Deduct	-0.41	
For >1,000, Deduct	-0.56	
For 316 Stainless Steel, Add	3.46	
For Aluminum, Add	0.19	
For Galvanized Steel, Add	0.67	
For 304 Stainless Steel, Add	3.08	
For High Strength Steel (HSS), Add	0.70	
05 12 23 00-0447 LF 1-1/2" x 1" x 1/8" Thick, Plain Steel Angle Iron .....	3.48	1.81
For >100 To 250, Deduct	-0.18	
For >250 To 500, Deduct	-0.27	
For >500 To 1,000, Deduct	-0.41	
For >1,000, Deduct	-0.56	
For 316 Stainless Steel, Add	3.46	
For Aluminum, Add	0.19	
For Galvanized Steel, Add	0.67	
For 304 Stainless Steel, Add	3.08	
For High Strength Steel (HSS), Add	0.70	
05 12 23 00-0448 LF 1-1/2" x 1-1/2" x 1/8" Thick, Plain Steel Angle Iron .....	4.17	2.16
For >100 To 250, Deduct	-0.22	
For >250 To 500, Deduct	-0.32	
For >500 To 1,000, Deduct	-0.50	
For >1,000, Deduct	-0.67	
For 316 Stainless Steel, Add	4.16	
For Aluminum, Add	0.23	
For Galvanized Steel, Add	0.81	
For 304 Stainless Steel, Add	3.71	
For High Strength Steel (HSS), Add	0.83	
05 12 23 00-0449 LF 2" x 2" x 1/8" Thick, Plain Steel Angle Iron .....	5.67	2.94
For >100 To 250, Deduct	-0.29	
For >250 To 500, Deduct	-0.43	
For >500 To 1,000, Deduct	-0.67	
For >1,000, Deduct	-0.91	
For 316 Stainless Steel, Add	5.66	
For Aluminum, Add	0.32	
For Galvanized Steel, Add	1.10	
For 304 Stainless Steel, Add	5.04	
For High Strength Steel (HSS), Add	1.13	
<b>05 12 23 00-0450 3/16" Thick</b> <small>(05 12 23 00-0439)</small>		
05 12 23 00-0451 LF 1-1/4" x 1-1/4" x 3/16" Thick, Plain Steel Angle Iron .....	4.12	1.91
For >100 To 250, Deduct	-0.19	
For >250 To 500, Deduct	-0.29	
For >500 To 1,000, Deduct	-0.46	
For >1,000, Deduct	-0.63	
For 316 Stainless Steel, Add	5.06	
For Aluminum, Add	0.28	
For Galvanized Steel, Add	0.98	
For 304 Stainless Steel, Add	4.50	
For High Strength Steel (HSS), Add	0.82	
05 12 23 00-0452 LF 1-1/2" x 1" x 3/16" Thick, Plain Steel Angle Iron .....	4.12	1.91
For >100 To 250, Deduct	-0.19	
For >250 To 500, Deduct	-0.29	
For >500 To 1,000, Deduct	-0.46	
For >1,000, Deduct	-0.63	
For 316 Stainless Steel, Add	5.06	
For Aluminum, Add	0.28	
For Galvanized Steel, Add	0.98	
For 304 Stainless Steel, Add	4.50	
For High Strength Steel (HSS), Add	0.82	
05 12 23 00-0453 LF 1-1/2" x 1-1/2" x 3/16" Thick, Plain Steel Angle Iron .....	4.65	2.04
For >100 To 250, Deduct	-0.20	
For >250 To 500, Deduct	-0.32	
For >500 To 1,000, Deduct	-0.50	
For >1,000, Deduct	-0.69	
For 316 Stainless Steel, Add	6.18	
For Aluminum, Add	0.35	
For Galvanized Steel, Add	1.20	
For 304 Stainless Steel, Add	5.50	
For High Strength Steel (HSS), Add	0.93	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0454	LF		2" x 2" x 3/16" Thick, Plain Steel Angle Iron.....	5.53	2.19
			<i>For &gt;100 To 250, Deduct</i>	-0.22	
			<i>For &gt;250 To 500, Deduct</i>	-0.36	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.57	
			<i>For &gt;1,000, Deduct</i>	-0.78	
			<i>For 316 Stainless Steel, Add</i>	8.38	
			<i>For Aluminum, Add</i>	0.47	
			<i>For Galvanized Steel, Add</i>	1.62	
			<i>For 304 Stainless Steel, Add</i>	7.47	
			<i>For High Strength Steel (HSS), Add</i>	1.11	
05 12 23 00-0455	LF		2-1/2" x 2" x 3/16" Thick, Plain Steel Angle Iron .....	6.08	2.34
			<i>For &gt;100 To 250, Deduct</i>	-0.23	
			<i>For &gt;250 To 500, Deduct</i>	-0.39	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.62	
			<i>For &gt;1,000, Deduct</i>	-0.85	
			<i>For 316 Stainless Steel, Add</i>	9.44	
			<i>For Aluminum, Add</i>	0.53	
			<i>For Galvanized Steel, Add</i>	1.83	
			<i>For 304 Stainless Steel, Add</i>	8.41	
			<i>For High Strength Steel (HSS), Add</i>	1.22	
05 12 23 00-0456	LF		2-1/2" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron .....	6.65	2.51
			<i>For &gt;100 To 250, Deduct</i>	-0.25	
			<i>For &gt;250 To 500, Deduct</i>	-0.42	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.67	
			<i>For &gt;1,000, Deduct</i>	-0.92	
			<i>For 316 Stainless Steel, Add</i>	10.56	
			<i>For Aluminum, Add</i>	0.59	
			<i>For Galvanized Steel, Add</i>	2.05	
			<i>For 304 Stainless Steel, Add</i>	9.41	
			<i>For High Strength Steel (HSS), Add</i>	1.33	
05 12 23 00-0457	LF		3" x 2" x 3/16" Thick, Plain Steel Angle Iron.....	6.65	2.51
			<i>For &gt;100 To 250, Deduct</i>	-0.25	
			<i>For &gt;250 To 500, Deduct</i>	-0.42	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.67	
			<i>For &gt;1,000, Deduct</i>	-0.92	
			<i>For 316 Stainless Steel, Add</i>	10.56	
			<i>For Aluminum, Add</i>	0.59	
			<i>For Galvanized Steel, Add</i>	2.05	
			<i>For 304 Stainless Steel, Add</i>	9.41	
			<i>For High Strength Steel (HSS), Add</i>	1.33	
05 12 23 00-0458	LF		3" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron .....	7.33	2.77
			<i>For &gt;100 To 250, Deduct</i>	-0.28	
			<i>For &gt;250 To 500, Deduct</i>	-0.46	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.74	
			<i>For &gt;1,000, Deduct</i>	-1.01	
			<i>For 316 Stainless Steel, Add</i>	11.65	
			<i>For Aluminum, Add</i>	0.66	
			<i>For Galvanized Steel, Add</i>	2.26	
			<i>For 304 Stainless Steel, Add</i>	10.37	
			<i>For High Strength Steel (HSS), Add</i>	1.47	
05 12 23 00-0459	LF		3" x 3" x 3/16" Thick, Plain Steel Angle Iron.....	8.02	3.04
			<i>For &gt;100 To 250, Deduct</i>	-0.30	
			<i>For &gt;250 To 500, Deduct</i>	-0.50	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.81	
			<i>For &gt;1,000, Deduct</i>	-1.11	
			<i>For 316 Stainless Steel, Add</i>	12.74	
			<i>For Aluminum, Add</i>	0.72	
			<i>For Galvanized Steel, Add</i>	2.47	
			<i>For 304 Stainless Steel, Add</i>	11.34	
			<i>For High Strength Steel (HSS), Add</i>	1.60	
05 12 23 00-0460			1/4" Thick (05 12 23 00-0439)		
05 12 23 00-0461	LF		1-1/2" x 1" x 1/4" Thick, Plain Steel Angle Iron .....	4.72	2.02
			<i>For &gt;100 To 250, Deduct</i>	-0.20	
			<i>For &gt;250 To 500, Deduct</i>	-0.32	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.50	
			<i>For &gt;1,000, Deduct</i>	-0.69	
			<i>For 316 Stainless Steel, Add</i>	6.53	
			<i>For Aluminum, Add</i>	0.37	
			<i>For Galvanized Steel, Add</i>	1.26	
			<i>For 304 Stainless Steel, Add</i>	5.81	
			<i>For High Strength Steel (HSS), Add</i>	0.94	
05 12 23 00-0462	LF		1-1/2" x 1-1/2" x 1/4" Thick, Plain Steel Angle Iron .....	5.35	2.15
			<i>For &gt;100 To 250, Deduct</i>	-0.21	
			<i>For &gt;250 To 500, Deduct</i>	-0.35	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.55	
			<i>For &gt;1,000, Deduct</i>	-0.76	
			<i>For 316 Stainless Steel, Add</i>	7.97	
			<i>For Aluminum, Add</i>	0.45	
			<i>For Galvanized Steel, Add</i>	1.54	
			<i>For 304 Stainless Steel, Add</i>	7.10	
			<i>For High Strength Steel (HSS), Add</i>	1.07	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0463	LF	2"	2" x 2" x 1/4" Thick, Plain Steel Angle Iron .....	6.48	2.30
			<i>For &gt;100 To 250, Deduct</i>	-0.23	
			<i>For &gt;250 To 500, Deduct</i>	-0.39	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.63	
			<i>For &gt;1,000, Deduct</i>	-0.87	
			<i>For 316 Stainless Steel, Add</i>	10.94	
			<i>For Aluminum, Add</i>	0.62	
			<i>For Galvanized Steel, Add</i>	2.12	
			<i>For 304 Stainless Steel, Add</i>	9.75	
			<i>For High Strength Steel (HSS), Add</i>	1.30	
05 12 23 00-0464	LF	2-1/2"	2-1/2" x 2" x 1/4" Thick, Plain Steel Angle Iron .....	7.28	2.54
			<i>For &gt;100 To 250, Deduct</i>	-0.25	
			<i>For &gt;250 To 500, Deduct</i>	-0.44	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.70	
			<i>For &gt;1,000, Deduct</i>	-0.97	
			<i>For 316 Stainless Steel, Add</i>	12.45	
			<i>For Aluminum, Add</i>	0.70	
			<i>For Galvanized Steel, Add</i>	2.41	
			<i>For 304 Stainless Steel, Add</i>	11.09	
			<i>For High Strength Steel (HSS), Add</i>	1.46	
05 12 23 00-0465	LF	2-1/2"	2-1/2" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron .....	8.11	2.78
			<i>For &gt;100 To 250, Deduct</i>	-0.28	
			<i>For &gt;250 To 500, Deduct</i>	-0.48	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.78	
			<i>For &gt;1,000, Deduct</i>	-1.07	
			<i>For 316 Stainless Steel, Add</i>	14.05	
			<i>For Aluminum, Add</i>	0.79	
			<i>For Galvanized Steel, Add</i>	2.72	
			<i>For 304 Stainless Steel, Add</i>	12.51	
			<i>For High Strength Steel (HSS), Add</i>	1.62	
05 12 23 00-0466	LF	3"	3" x 2" x 1/4" Thick, Plain Steel Angle Iron .....	8.11	2.78
			<i>For &gt;100 To 250, Deduct</i>	-0.28	
			<i>For &gt;250 To 500, Deduct</i>	-0.48	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.78	
			<i>For &gt;1,000, Deduct</i>	-1.07	
			<i>For 316 Stainless Steel, Add</i>	14.05	
			<i>For Aluminum, Add</i>	0.79	
			<i>For Galvanized Steel, Add</i>	2.72	
			<i>For 304 Stainless Steel, Add</i>	12.51	
			<i>For High Strength Steel (HSS), Add</i>	1.62	
05 12 23 00-0467	LF	3"	3" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron .....	8.96	3.10
			<i>For &gt;100 To 250, Deduct</i>	-0.31	
			<i>For &gt;250 To 500, Deduct</i>	-0.53	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.86	
			<i>For &gt;1,000, Deduct</i>	-1.19	
			<i>For 316 Stainless Steel, Add</i>	15.46	
			<i>For Aluminum, Add</i>	0.87	
			<i>For Galvanized Steel, Add</i>	2.99	
			<i>For 304 Stainless Steel, Add</i>	13.77	
			<i>For High Strength Steel (HSS), Add</i>	1.79	
05 12 23 00-0468	LF	3"	3" x 3" x 1/4" Thick, Plain Steel Angle Iron .....	9.78	3.40
			<i>For &gt;100 To 250, Deduct</i>	-0.34	
			<i>For &gt;250 To 500, Deduct</i>	-0.58	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.94	
			<i>For &gt;1,000, Deduct</i>	-1.30	
			<i>For 316 Stainless Steel, Add</i>	16.80	
			<i>For Aluminum, Add</i>	0.95	
			<i>For Galvanized Steel, Add</i>	3.26	
			<i>For 304 Stainless Steel, Add</i>	14.96	
			<i>For High Strength Steel (HSS), Add</i>	1.96	
05 12 23 00-0469	LF	3-1/2"	3-1/2" x 3" x 1/4" Thick, Plain Steel Angle Iron .....	10.65	3.65
			<i>For &gt;100 To 250, Deduct</i>	-0.37	
			<i>For &gt;250 To 500, Deduct</i>	-0.63	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.02	
			<i>For &gt;1,000, Deduct</i>	-1.41	
			<i>For 316 Stainless Steel, Add</i>	18.50	
			<i>For Aluminum, Add</i>	1.04	
			<i>For Galvanized Steel, Add</i>	3.58	
			<i>For 304 Stainless Steel, Add</i>	16.47	
			<i>For High Strength Steel (HSS), Add</i>	2.13	
05 12 23 00-0470	LF	3-1/2"	3-1/2" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron .....	11.32	0.38
			<i>For &gt;100 To 250, Deduct</i>	-0.38	
			<i>For &gt;250 To 500, Deduct</i>	-0.66	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.08	
			<i>For &gt;1,000, Deduct</i>	-1.49	
			<i>For 316 Stainless Steel, Add</i>	19.94	
			<i>For Aluminum, Add</i>	1.12	
			<i>For Galvanized Steel, Add</i>	3.86	
			<i>For 304 Stainless Steel, Add</i>	17.76	
			<i>For High Strength Steel (HSS), Add</i>	2.26	



**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0471	LF		4" x 3" x 1/4" Thick, Plain Steel Angle Iron.....	11.32	3.82
			<i>For &gt;100 To 250, Deduct</i>	-0.38	
			<i>For &gt;250 To 500, Deduct</i>	-0.66	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.08	
			<i>For &gt;1,000, Deduct</i>	-1.49	
			<i>For 316 Stainless Steel, Add</i>	19.94	
			<i>For Aluminum, Add</i>	1.12	
			<i>For Galvanized Steel, Add</i>	3.86	
			<i>For 304 Stainless Steel, Add</i>	17.76	
			<i>For High Strength Steel (HSS), Add</i>	2.26	
05 12 23 00-0472	LF		4" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron .....	11.95	3.97
			<i>For &gt;100 To 250, Deduct</i>	-0.40	
			<i>For &gt;250 To 500, Deduct</i>	-0.70	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.13	
			<i>For &gt;1,000, Deduct</i>	-1.56	
			<i>For 316 Stainless Steel, Add</i>	21.25	
			<i>For Aluminum, Add</i>	1.20	
			<i>For Galvanized Steel, Add</i>	4.12	
			<i>For 304 Stainless Steel, Add</i>	18.92	
			<i>For High Strength Steel (HSS), Add</i>	2.39	
05 12 23 00-0473	LF		4" x 4" x 1/4" Thick, Plain Steel Angle Iron.....	12.62	4.15
			<i>For &gt;100 To 250, Deduct</i>	-0.41	
			<i>For &gt;250 To 500, Deduct</i>	-0.73	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.18	
			<i>For &gt;1,000, Deduct</i>	-1.64	
			<i>For 316 Stainless Steel, Add</i>	22.69	
			<i>For Aluminum, Add</i>	1.28	
			<i>For Galvanized Steel, Add</i>	4.40	
			<i>For 304 Stainless Steel, Add</i>	20.21	
			<i>For High Strength Steel (HSS), Add</i>	2.52	
05 12 23 00-0474	LF		5" x 3" x 1/4" Thick, Plain Steel Angle Iron.....	12.62	4.15
			<i>For &gt;100 To 250, Deduct</i>	-0.41	
			<i>For &gt;250 To 500, Deduct</i>	-0.73	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.18	
			<i>For &gt;1,000, Deduct</i>	-1.64	
			<i>For 316 Stainless Steel, Add</i>	22.69	
			<i>For Aluminum, Add</i>	1.28	
			<i>For Galvanized Steel, Add</i>	4.40	
			<i>For 304 Stainless Steel, Add</i>	20.21	
			<i>For High Strength Steel (HSS), Add</i>	2.52	
05 12 23 00-0475	LF		5" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron .....	13.33	4.37
			<i>For &gt;100 To 250, Deduct</i>	-0.44	
			<i>For &gt;250 To 500, Deduct</i>	-0.77	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.25	
			<i>For &gt;1,000, Deduct</i>	-1.73	
			<i>For 316 Stainless Steel, Add</i>	24.00	
			<i>For Aluminum, Add</i>	1.35	
			<i>For Galvanized Steel, Add</i>	4.65	
			<i>For 304 Stainless Steel, Add</i>	21.38	
			<i>For High Strength Steel (HSS), Add</i>	2.67	
<b>05 12 23 00-0476</b>			<b>5/16" Thick</b> <small>(05 12 23 00-0439)</small>		
05 12 23 00-0477	LF		2-1/2" x 2" x 5/16" Thick, Plain Steel Angle Iron .....	8.77	2.96
			<i>For &gt;100 To 250, Deduct</i>	-0.30	
			<i>For &gt;250 To 500, Deduct</i>	-0.51	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.83	
			<i>For &gt;1,000, Deduct</i>	-1.15	
			<i>For 316 Stainless Steel, Add</i>	15.46	
			<i>For Aluminum, Add</i>	0.87	
			<i>For Galvanized Steel, Add</i>	2.99	
			<i>For 304 Stainless Steel, Add</i>	13.77	
			<i>For High Strength Steel (HSS), Add</i>	1.75	
05 12 23 00-0478	LF		2-1/2" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron .....	9.55	3.14
			<i>For &gt;100 To 250, Deduct</i>	-0.31	
			<i>For &gt;250 To 500, Deduct</i>	-0.55	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.90	
			<i>For &gt;1,000, Deduct</i>	-1.24	
			<i>For 316 Stainless Steel, Add</i>	17.18	
			<i>For Aluminum, Add</i>	0.97	
			<i>For Galvanized Steel, Add</i>	3.33	
			<i>For 304 Stainless Steel, Add</i>	15.30	
			<i>For High Strength Steel (HSS), Add</i>	1.91	
05 12 23 00-0479	LF		3" x 2" x 5/16" Thick, Plain Steel Angle Iron.....	9.55	3.14
			<i>For &gt;100 To 250, Deduct</i>	-0.31	
			<i>For &gt;250 To 500, Deduct</i>	-0.55	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.90	
			<i>For &gt;1,000, Deduct</i>	-1.24	
			<i>For 316 Stainless Steel, Add</i>	17.18	
			<i>For Aluminum, Add</i>	0.97	
			<i>For Galvanized Steel, Add</i>	3.33	
			<i>For 304 Stainless Steel, Add</i>	15.30	
			<i>For High Strength Steel (HSS), Add</i>	1.91	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0480	LF		3" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron .....	10.59	3.44
			<i>For &gt;100 To 250, Deduct</i>	-0.34	
			<i>For &gt;250 To 500, Deduct</i>	-0.61	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.99	
			<i>For &gt;1,000, Deduct</i>	-1.37	
			<i>For 316 Stainless Steel, Add</i>	19.23	
			<i>For Aluminum, Add</i>	1.08	
			<i>For Galvanized Steel, Add</i>	3.73	
			<i>For 304 Stainless Steel, Add</i>	17.13	
			<i>For High Strength Steel (HSS), Add</i>	2.12	
05 12 23 00-0481	LF		3" x 3" x 5/16" Thick, Plain Steel Angle Iron .....	11.53	3.73
			<i>For &gt;100 To 250, Deduct</i>	-0.37	
			<i>For &gt;250 To 500, Deduct</i>	-0.66	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.07	
			<i>For &gt;1,000, Deduct</i>	-1.49	
			<i>For 316 Stainless Steel, Add</i>	20.96	
			<i>For Aluminum, Add</i>	1.18	
			<i>For Galvanized Steel, Add</i>	4.06	
			<i>For 304 Stainless Steel, Add</i>	18.67	
			<i>For High Strength Steel (HSS), Add</i>	2.31	
05 12 23 00-0482	LF		3-1/2" x 3" x 5/16" Thick, Plain Steel Angle Iron .....	12.32	3.92
			<i>For &gt;100 To 250, Deduct</i>	-0.39	
			<i>For &gt;250 To 500, Deduct</i>	-0.70	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.14	
			<i>For &gt;1,000, Deduct</i>	-1.58	
			<i>For 316 Stainless Steel, Add</i>	22.69	
			<i>For Aluminum, Add</i>	1.28	
			<i>For Galvanized Steel, Add</i>	4.40	
			<i>For 304 Stainless Steel, Add</i>	20.21	
			<i>For High Strength Steel (HSS), Add</i>	2.46	
05 12 23 00-0483	LF		3-1/2" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron .....	13.20	4.12
			<i>For &gt;100 To 250, Deduct</i>	-0.41	
			<i>For &gt;250 To 500, Deduct</i>	-0.74	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.21	
			<i>For &gt;1,000, Deduct</i>	-1.68	
			<i>For 316 Stainless Steel, Add</i>	24.67	
			<i>For Aluminum, Add</i>	1.39	
			<i>For Galvanized Steel, Add</i>	4.78	
			<i>For 304 Stainless Steel, Add</i>	21.97	
			<i>For High Strength Steel (HSS), Add</i>	2.64	
05 12 23 00-0484	LF		4" x 3" x 5/16" Thick, Plain Steel Angle Iron .....	13.20	4.12
			<i>For &gt;100 To 250, Deduct</i>	-0.41	
			<i>For &gt;250 To 500, Deduct</i>	-0.74	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.21	
			<i>For &gt;1,000, Deduct</i>	-1.68	
			<i>For 316 Stainless Steel, Add</i>	24.67	
			<i>For Aluminum, Add</i>	1.39	
			<i>For Galvanized Steel, Add</i>	4.78	
			<i>For 304 Stainless Steel, Add</i>	21.97	
			<i>For High Strength Steel (HSS), Add</i>	2.64	
05 12 23 00-0485	LF		4" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron .....	14.05	4.36
			<i>For &gt;100 To 250, Deduct</i>	-0.44	
			<i>For &gt;250 To 500, Deduct</i>	-0.79	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.28	
			<i>For &gt;1,000, Deduct</i>	-1.78	
			<i>For 316 Stainless Steel, Add</i>	26.40	
			<i>For Aluminum, Add</i>	1.49	
			<i>For Galvanized Steel, Add</i>	5.12	
			<i>For 304 Stainless Steel, Add</i>	23.51	
			<i>For High Strength Steel (HSS), Add</i>	2.81	
05 12 23 00-0486	LF		4" x 4" x 5/16" Thick, Plain Steel Angle Iron .....	14.86	4.55
			<i>For &gt;100 To 250, Deduct</i>	-0.45	
			<i>For &gt;250 To 500, Deduct</i>	-0.83	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.35	
			<i>For &gt;1,000, Deduct</i>	-1.87	
			<i>For 316 Stainless Steel, Add</i>	28.16	
			<i>For Aluminum, Add</i>	1.58	
			<i>For Galvanized Steel, Add</i>	5.46	
			<i>For 304 Stainless Steel, Add</i>	25.08	
			<i>For High Strength Steel (HSS), Add</i>	2.97	
05 12 23 00-0487	LF		5" x 3" x 5/16" Thick, Plain Steel Angle Iron .....	14.86	4.55
			<i>For &gt;100 To 250, Deduct</i>	-0.45	
			<i>For &gt;250 To 500, Deduct</i>	-0.83	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.35	
			<i>For &gt;1,000, Deduct</i>	-1.87	
			<i>For 316 Stainless Steel, Add</i>	28.16	
			<i>For Aluminum, Add</i>	1.58	
			<i>For Galvanized Steel, Add</i>	5.46	
			<i>For 304 Stainless Steel, Add</i>	25.08	
			<i>For High Strength Steel (HSS), Add</i>	2.97	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0488	LF		5" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron .....	15.63	4.74
			<i>For &gt;100 To 250, Deduct</i>	-0.47	
			<i>For &gt;250 To 500, Deduct</i>	-0.86	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.41	
			<i>For &gt;1,000, Deduct</i>	-1.96	
			<i>For 316 Stainless Steel, Add</i>	29.82	
			<i>For Aluminum, Add</i>	1.68	
			<i>For Galvanized Steel, Add</i>	5.78	
			<i>For 304 Stainless Steel, Add</i>	26.56	
			<i>For High Strength Steel (HSS), Add</i>	3.13	
05 12 23 00-0489	LF		5" x 5" x 5/16" Thick, Plain Steel Angle Iron.....	17.64	4.93
			<i>For &gt;100 To 250, Deduct</i>	-0.49	
			<i>For &gt;250 To 500, Deduct</i>	-0.93	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.54	
			<i>For &gt;1,000, Deduct</i>	-2.15	
			<i>For 316 Stainless Steel, Add</i>	35.39	
			<i>For Aluminum, Add</i>	1.99	
			<i>For Galvanized Steel, Add</i>	6.86	
			<i>For 304 Stainless Steel, Add</i>	31.52	
			<i>For High Strength Steel (HSS), Add</i>	3.53	
05 12 23 00-0490	LF		6" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron .....	17.35	5.14
			<i>For &gt;100 To 250, Deduct</i>	-0.51	
			<i>For &gt;250 To 500, Deduct</i>	-0.95	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.55	
			<i>For &gt;1,000, Deduct</i>	-2.16	
			<i>For 316 Stainless Steel, Add</i>	33.57	
			<i>For Aluminum, Add</i>	1.89	
			<i>For Galvanized Steel, Add</i>	6.50	
			<i>For 304 Stainless Steel, Add</i>	29.90	
			<i>For High Strength Steel (HSS), Add</i>	3.47	
05 12 23 00-0491			<b>3/8" Thick</b> (05 12 23 00-0491)		
05 12 23 00-0492	LF		3" x 2" x 3/8" Thick, Plain Steel Angle Iron.....	10.69	3.28
			<i>For &gt;100 To 250, Deduct</i>	-0.33	
			<i>For &gt;250 To 500, Deduct</i>	-0.60	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.97	
			<i>For &gt;1,000, Deduct</i>	-1.35	
			<i>For 316 Stainless Steel, Add</i>	20.22	
			<i>For Aluminum, Add</i>	1.14	
			<i>For Galvanized Steel, Add</i>	3.92	
			<i>For 304 Stainless Steel, Add</i>	18.01	
			<i>For High Strength Steel (HSS), Add</i>	2.14	
05 12 23 00-0493	LF		3" x 2-1/2" x 3/8" Thick, Plain Steel Angle Iron .....	11.83	3.55
			<i>For &gt;100 To 250, Deduct</i>	-0.36	
			<i>For &gt;250 To 500, Deduct</i>	-0.65	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.07	
			<i>For &gt;1,000, Deduct</i>	-1.48	
			<i>For 316 Stainless Steel, Add</i>	22.69	
			<i>For Aluminum, Add</i>	1.28	
			<i>For Galvanized Steel, Add</i>	4.40	
			<i>For 304 Stainless Steel, Add</i>	20.21	
			<i>For High Strength Steel (HSS), Add</i>	2.37	
05 12 23 00-0494	LF		3" x 3" x 3/8" Thick, Plain Steel Angle Iron.....	12.81	3.82
			<i>For &gt;100 To 250, Deduct</i>	-0.38	
			<i>For &gt;250 To 500, Deduct</i>	-0.70	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.15	
			<i>For &gt;1,000, Deduct</i>	-1.60	
			<i>For 316 Stainless Steel, Add</i>	24.67	
			<i>For Aluminum, Add</i>	1.39	
			<i>For Galvanized Steel, Add</i>	4.78	
			<i>For 304 Stainless Steel, Add</i>	21.97	
			<i>For High Strength Steel (HSS), Add</i>	2.56	
05 12 23 00-0495	LF		3-1/2" x 3" x 3/8" Thick, Plain Steel Angle Iron .....	13.72	3.93
			<i>For &gt;100 To 250, Deduct</i>	-0.39	
			<i>For &gt;250 To 500, Deduct</i>	-0.74	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.21	
			<i>For &gt;1,000, Deduct</i>	-1.68	
			<i>For 316 Stainless Steel, Add</i>	27.14	
			<i>For Aluminum, Add</i>	1.53	
			<i>For Galvanized Steel, Add</i>	5.26	
			<i>For 304 Stainless Steel, Add</i>	24.17	
			<i>For High Strength Steel (HSS), Add</i>	2.74	
05 12 23 00-0496	LF		3-1/2" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron .....	14.63	4.15
			<i>For &gt;100 To 250, Deduct</i>	-0.41	
			<i>For &gt;250 To 500, Deduct</i>	-0.78	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.28	
			<i>For &gt;1,000, Deduct</i>	-1.79	
			<i>For 316 Stainless Steel, Add</i>	29.12	
			<i>For Aluminum, Add</i>	1.64	
			<i>For Galvanized Steel, Add</i>	5.64	
			<i>For 304 Stainless Steel, Add</i>	25.94	
			<i>For High Strength Steel (HSS), Add</i>	2.93	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0497 LF 4" x 3" x 3/8" Thick, Plain Steel Angle Iron .....	14.63	4.15
For >100 To 250, Deduct	-0.41	
For >250 To 500, Deduct	-0.78	
For >500 To 1,000, Deduct	-1.28	
For >1,000, Deduct	-1.79	
For 316 Stainless Steel, Add	29.12	
For Aluminum, Add	1.64	
For Galvanized Steel, Add	5.64	
For 304 Stainless Steel, Add	25.94	
For High Strength Steel (HSS), Add	2.93	
05 12 23 00-0498 LF 4" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron .....	15.76	4.52
For >100 To 250, Deduct	-0.45	
For >250 To 500, Deduct	-0.85	
For >500 To 1,000, Deduct	-1.39	
For >1,000, Deduct	-1.93	
For 316 Stainless Steel, Add	31.17	
For Aluminum, Add	1.75	
For Galvanized Steel, Add	6.04	
For 304 Stainless Steel, Add	27.76	
For High Strength Steel (HSS), Add	3.15	
05 12 23 00-0499 LF 4" x 4" x 3/8" Thick, Plain Steel Angle Iron .....	16.68	4.65
For >100 To 250, Deduct	-0.46	
For >250 To 500, Deduct	-0.88	
For >500 To 1,000, Deduct	-1.45	
For >1,000, Deduct	-2.02	
For 316 Stainless Steel, Add	33.57	
For Aluminum, Add	1.89	
For Galvanized Steel, Add	6.50	
For 304 Stainless Steel, Add	29.90	
For High Strength Steel (HSS), Add	3.34	
05 12 23 00-0500 LF 5" x 3" x 3/8" Thick, Plain Steel Angle Iron .....	16.94	4.83
For >100 To 250, Deduct	-0.48	
For >250 To 500, Deduct	-0.91	
For >500 To 1,000, Deduct	-1.49	
For >1,000, Deduct	-2.08	
For 316 Stainless Steel, Add	33.57	
For Aluminum, Add	1.89	
For Galvanized Steel, Add	6.50	
For 304 Stainless Steel, Add	29.90	
For High Strength Steel (HSS), Add	3.39	
05 12 23 00-0501 LF 5" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron .....	18.09	5.20
For >100 To 250, Deduct	-0.52	
For >250 To 500, Deduct	-0.97	
For >500 To 1,000, Deduct	-1.60	
For >1,000, Deduct	-2.23	
For 316 Stainless Steel, Add	35.65	
For Aluminum, Add	2.01	
For Galvanized Steel, Add	6.91	
For 304 Stainless Steel, Add	31.75	
For High Strength Steel (HSS), Add	3.62	
05 12 23 00-0502 LF 5" x 5" x 3/8" Thick, Plain Steel Angle Iron .....	21.29	6.07
For >100 To 250, Deduct	-0.61	
For >250 To 500, Deduct	-1.14	
For >500 To 1,000, Deduct	-1.87	
For >1,000, Deduct	-2.61	
For 316 Stainless Steel, Add	42.24	
For Aluminum, Add	2.38	
For Galvanized Steel, Add	8.18	
For 304 Stainless Steel, Add	37.62	
For High Strength Steel (HSS), Add	4.26	
05 12 23 00-0503 LF 6" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron .....	20.05	5.64
For >100 To 250, Deduct	-0.56	
For >250 To 500, Deduct	-1.07	
For >500 To 1,000, Deduct	-1.75	
For >1,000, Deduct	-2.44	
For 316 Stainless Steel, Add	40.10	
For Aluminum, Add	2.26	
For Galvanized Steel, Add	7.77	
For 304 Stainless Steel, Add	35.71	
For High Strength Steel (HSS), Add	4.01	
05 12 23 00-0504 LF 6" x 4" x 3/8" Thick, Plain Steel Angle Iron .....	21.29	6.07
For >100 To 250, Deduct	-0.61	
For >250 To 500, Deduct	-1.14	
For >500 To 1,000, Deduct	-1.87	
For >1,000, Deduct	-2.61	
For 316 Stainless Steel, Add	42.24	
For Aluminum, Add	2.38	
For Galvanized Steel, Add	8.18	
For 304 Stainless Steel, Add	37.62	
For High Strength Steel (HSS), Add	4.26	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0505	LF		6" x 6" x 3/8" Thick, Plain Steel Angle Iron.....	25.70	7.28
			<i>For &gt;100 To 250, Deduct</i>	-0.73	
			<i>For &gt;250 To 500, Deduct</i>	-1.37	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.26	
			<i>For &gt;1,000, Deduct</i>	-3.14	
			<i>For 316 Stainless Steel, Add</i>	51.20	
			<i>For Aluminum, Add</i>	2.88	
			<i>For Galvanized Steel, Add</i>	9.92	
			<i>For 304 Stainless Steel, Add</i>	45.60	
			<i>For High Strength Steel (HSS), Add</i>	5.14	
05 12 23 00-0506	LF		7" x 4" x 3/8" Thick, Plain Steel Angle Iron.....	23.51	6.68
			<i>For &gt;100 To 250, Deduct</i>	-0.67	
			<i>For &gt;250 To 500, Deduct</i>	-1.26	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.07	
			<i>For &gt;1,000, Deduct</i>	-2.88	
			<i>For 316 Stainless Steel, Add</i>	46.72	
			<i>For Aluminum, Add</i>	2.63	
			<i>For Galvanized Steel, Add</i>	9.05	
			<i>For 304 Stainless Steel, Add</i>	41.61	
			<i>For High Strength Steel (HSS), Add</i>	4.70	
<b>05 12 23 00-0507</b>			<b>1/2" Thick</b> (05 12 23 00-0439)		
05 12 23 00-0508	LF		3" x 3" x 1/2" Thick, Plain Steel Angle Iron.....	15.30	3.90
			<i>For &gt;100 To 250, Deduct</i>	-0.39	
			<i>For &gt;250 To 500, Deduct</i>	-0.77	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.29	
			<i>For &gt;1,000, Deduct</i>	-1.80	
			<i>For 316 Stainless Steel, Add</i>	32.29	
			<i>For Aluminum, Add</i>	1.82	
			<i>For Galvanized Steel, Add</i>	6.26	
			<i>For 304 Stainless Steel, Add</i>	28.76	
			<i>For High Strength Steel (HSS), Add</i>	3.06	
05 12 23 00-0509	LF		4" x 3" x 1/2" Thick, Plain Steel Angle Iron.....	18.07	4.62
			<i>For &gt;100 To 250, Deduct</i>	-0.46	
			<i>For &gt;250 To 500, Deduct</i>	-0.91	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.52	
			<i>For &gt;1,000, Deduct</i>	-2.12	
			<i>For 316 Stainless Steel, Add</i>	38.14	
			<i>For Aluminum, Add</i>	2.15	
			<i>For Galvanized Steel, Add</i>	7.39	
			<i>For 304 Stainless Steel, Add</i>	33.97	
			<i>For High Strength Steel (HSS), Add</i>	3.61	
05 12 23 00-0510	LF		4" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron .....	19.37	4.94
			<i>For &gt;100 To 250, Deduct</i>	-0.50	
			<i>For &gt;250 To 500, Deduct</i>	-0.98	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.63	
			<i>For &gt;1,000, Deduct</i>	-2.28	
			<i>For 316 Stainless Steel, Add</i>	40.86	
			<i>For Aluminum, Add</i>	2.30	
			<i>For Galvanized Steel, Add</i>	7.92	
			<i>For 304 Stainless Steel, Add</i>	36.39	
			<i>For High Strength Steel (HSS), Add</i>	3.87	
05 12 23 00-0511	LF		4" x 4" x 1/2" Thick, Plain Steel Angle Iron.....	20.84	5.33
			<i>For &gt;100 To 250, Deduct</i>	-0.53	
			<i>For &gt;250 To 500, Deduct</i>	-1.05	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.75	
			<i>For &gt;1,000, Deduct</i>	-2.45	
			<i>For 316 Stainless Steel, Add</i>	43.97	
			<i>For Aluminum, Add</i>	2.47	
			<i>For Galvanized Steel, Add</i>	8.52	
			<i>For 304 Stainless Steel, Add</i>	39.16	
			<i>For High Strength Steel (HSS), Add</i>	4.17	
05 12 23 00-0512	LF		5" x 3" x 1/2" Thick, Plain Steel Angle Iron.....	20.84	5.33
			<i>For &gt;100 To 250, Deduct</i>	-0.53	
			<i>For &gt;250 To 500, Deduct</i>	-1.05	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.75	
			<i>For &gt;1,000, Deduct</i>	-2.45	
			<i>For 316 Stainless Steel, Add</i>	43.97	
			<i>For Aluminum, Add</i>	2.47	
			<i>For Galvanized Steel, Add</i>	8.52	
			<i>For 304 Stainless Steel, Add</i>	39.16	
			<i>For High Strength Steel (HSS), Add</i>	4.17	
05 12 23 00-0513	LF		5" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron .....	22.13	5.66
			<i>For &gt;100 To 250, Deduct</i>	-0.56	
			<i>For &gt;250 To 500, Deduct</i>	-1.12	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.86	
			<i>For &gt;1,000, Deduct</i>	-2.60	
			<i>For 316 Stainless Steel, Add</i>	46.72	
			<i>For Aluminum, Add</i>	2.63	
			<i>For Galvanized Steel, Add</i>	9.05	
			<i>For 304 Stainless Steel, Add</i>	41.61	
			<i>For High Strength Steel (HSS), Add</i>	4.43	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0514	LF		5" x 5" x 1/2" Thick, Plain Steel Angle Iron .....26.37		6.74
			<i>For &gt;100 To 250, Deduct</i>	-0.67	
			<i>For &gt;250 To 500, Deduct</i>	-1.33	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.22	
			<i>For &gt;1,000, Deduct</i>	-3.10	
			<i>For 316 Stainless Steel, Add</i>	55.65	
			<i>For Aluminum, Add</i>	3.13	
			<i>For Galvanized Steel, Add</i>	10.78	
			<i>For 304 Stainless Steel, Add</i>	49.56	
			<i>For High Strength Steel (HSS), Add</i>	5.27	
05 12 23 00-0515	LF		6" x 4" x 1/2" Thick, Plain Steel Angle Iron .....26.37		6.74
			<i>For &gt;100 To 250, Deduct</i>	-0.67	
			<i>For &gt;250 To 500, Deduct</i>	-1.33	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.22	
			<i>For &gt;1,000, Deduct</i>	-3.10	
			<i>For 316 Stainless Steel, Add</i>	55.65	
			<i>For Aluminum, Add</i>	3.13	
			<i>For Galvanized Steel, Add</i>	10.78	
			<i>For 304 Stainless Steel, Add</i>	49.56	
			<i>For High Strength Steel (HSS), Add</i>	5.27	
05 12 23 00-0516	LF		6" x 6" x 1/2" Thick, Plain Steel Angle Iron .....31.90		8.15
			<i>For &gt;100 To 250, Deduct</i>	-0.81	
			<i>For &gt;250 To 500, Deduct</i>	-1.61	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.68	
			<i>For &gt;1,000, Deduct</i>	-3.75	
			<i>For 316 Stainless Steel, Add</i>	67.33	
			<i>For Aluminum, Add</i>	3.79	
			<i>For Galvanized Steel, Add</i>	13.04	
			<i>For 304 Stainless Steel, Add</i>	59.96	
			<i>For High Strength Steel (HSS), Add</i>	6.38	
05 12 23 00-0517	LF		7" x 4" x 1/2" Thick, Plain Steel Angle Iron .....29.14		7.44
			<i>For &gt;100 To 250, Deduct</i>	-0.74	
			<i>For &gt;250 To 500, Deduct</i>	-1.47	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.45	
			<i>For &gt;1,000, Deduct</i>	-3.43	
			<i>For 316 Stainless Steel, Add</i>	61.47	
			<i>For Aluminum, Add</i>	3.46	
			<i>For Galvanized Steel, Add</i>	11.91	
			<i>For 304 Stainless Steel, Add</i>	54.75	
			<i>For High Strength Steel (HSS), Add</i>	5.83	
05 12 23 00-0518	LF		8" x 4" x 1/2" Thick, Plain Steel Angle Iron .....31.90		8.15
			<i>For &gt;100 To 250, Deduct</i>	-0.81	
			<i>For &gt;250 To 500, Deduct</i>	-1.61	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.68	
			<i>For &gt;1,000, Deduct</i>	-3.75	
			<i>For 316 Stainless Steel, Add</i>	67.33	
			<i>For Aluminum, Add</i>	3.79	
			<i>For Galvanized Steel, Add</i>	13.04	
			<i>For 304 Stainless Steel, Add</i>	59.96	
			<i>For High Strength Steel (HSS), Add</i>	6.38	
05 12 23 00-0519	LF		8" x 6" x 1/2" Thick, Plain Steel Angle Iron .....37.44		9.56
			<i>For &gt;100 To 250, Deduct</i>	-0.96	
			<i>For &gt;250 To 500, Deduct</i>	-1.89	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.15	
			<i>For &gt;1,000, Deduct</i>	-4.40	
			<i>For 316 Stainless Steel, Add</i>	79.01	
			<i>For Aluminum, Add</i>	4.44	
			<i>For Galvanized Steel, Add</i>	15.31	
			<i>For 304 Stainless Steel, Add</i>	70.37	
			<i>For High Strength Steel (HSS), Add</i>	7.49	
05 12 23 00-0520	LF		8" x 8" x 1/2" Thick, Plain Steel Angle Iron .....42.98		10.97
			<i>For &gt;100 To 250, Deduct</i>	-1.10	
			<i>For &gt;250 To 500, Deduct</i>	-2.17	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.61	
			<i>For &gt;1,000, Deduct</i>	-5.05	
			<i>For 316 Stainless Steel, Add</i>	90.69	
			<i>For Aluminum, Add</i>	5.10	
			<i>For Galvanized Steel, Add</i>	17.57	
			<i>For 304 Stainless Steel, Add</i>	80.77	
			<i>For High Strength Steel (HSS), Add</i>	8.60	
05 12 23 00-0521			<b>5/8" Thick</b> <small>(05 12 23 00-0439)</small>		
05 12 23 00-0522	LF		4" x 4" x 5/8" Thick, Plain Steel Angle Iron .....24.98		6.10
			<i>For &gt;100 To 250, Deduct</i>	-0.61	
			<i>For &gt;250 To 500, Deduct</i>	-1.23	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.06	
			<i>For &gt;1,000, Deduct</i>	-2.89	
			<i>For 316 Stainless Steel, Add</i>	53.92	
			<i>For Aluminum, Add</i>	3.03	
			<i>For Galvanized Steel, Add</i>	10.45	
			<i>For High Strength Steel (HSS), Add</i>	5.00	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0523	LF		5" x 3-1/2" x 5/8" Thick, Plain Steel Angle Iron .....	26.74	6.53
			<i>For &gt;100 To 250, Deduct</i>	-0.65	
			<i>For &gt;250 To 500, Deduct</i>	-1.32	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.21	
			<i>For &gt;1,000, Deduct</i>	-3.09	
			<i>For 316 Stainless Steel, Add</i>	57.73	
			<i>For Aluminum, Add</i>	3.25	
			<i>For Galvanized Steel, Add</i>	11.18	
			<i>For High Strength Steel (HSS), Add</i>	5.35	
05 12 23 00-0524	LF		5" x 5" x 5/8" Thick, Plain Steel Angle Iron.....	31.83	7.77
			<i>For &gt;100 To 250, Deduct</i>	-0.78	
			<i>For &gt;250 To 500, Deduct</i>	-1.57	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.63	
			<i>For &gt;1,000, Deduct</i>	-3.68	
			<i>For 316 Stainless Steel, Add</i>	68.70	
			<i>For Aluminum, Add</i>	3.86	
			<i>For Galvanized Steel, Add</i>	13.31	
			<i>For High Strength Steel (HSS), Add</i>	6.37	
05 12 23 00-0525	LF		6" x 4" x 5/8" Thick, Plain Steel Angle Iron.....	31.83	7.77
			<i>For &gt;100 To 250, Deduct</i>	-0.78	
			<i>For &gt;250 To 500, Deduct</i>	-1.57	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.63	
			<i>For &gt;1,000, Deduct</i>	-3.68	
			<i>For 316 Stainless Steel, Add</i>	68.70	
			<i>For Aluminum, Add</i>	3.86	
			<i>For Galvanized Steel, Add</i>	13.31	
			<i>For High Strength Steel (HSS), Add</i>	6.37	
05 12 23 00-0526	LF		6" x 6" x 5/8" Thick, Plain Steel Angle Iron.....	38.52	9.40
			<i>For &gt;100 To 250, Deduct</i>	-0.94	
			<i>For &gt;250 To 500, Deduct</i>	-1.90	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.18	
			<i>For &gt;1,000, Deduct</i>	-4.46	
			<i>For 316 Stainless Steel, Add</i>	83.14	
			<i>For Aluminum, Add</i>	4.68	
			<i>For Galvanized Steel, Add</i>	16.11	
			<i>For High Strength Steel (HSS), Add</i>	7.70	
05 12 23 00-0527	LF		7" x 4" x 5/8" Thick, Plain Steel Angle Iron.....	35.17	8.58
			<i>For &gt;100 To 250, Deduct</i>	-0.86	
			<i>For &gt;250 To 500, Deduct</i>	-1.74	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.90	
			<i>For &gt;1,000, Deduct</i>	-4.07	
			<i>For 316 Stainless Steel, Add</i>	75.90	
			<i>For Aluminum, Add</i>	4.27	
			<i>For Galvanized Steel, Add</i>	14.71	
			<i>For High Strength Steel (HSS), Add</i>	7.03	
05 12 23 00-0528	LF		8" x 6" x 5/8" Thick, Plain Steel Angle Iron.....	45.36	11.08
			<i>For &gt;100 To 250, Deduct</i>	-1.11	
			<i>For &gt;250 To 500, Deduct</i>	-2.24	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.75	
			<i>For &gt;1,000, Deduct</i>	-5.25	
			<i>For 316 Stainless Steel, Add</i>	97.89	
			<i>For Aluminum, Add</i>	5.51	
			<i>For Galvanized Steel, Add</i>	18.97	
			<i>For High Strength Steel (HSS), Add</i>	9.07	
05 12 23 00-0529	LF		8" x 8" x 5/8" Thick, Plain Steel Angle Iron.....	52.06	12.71
			<i>For &gt;100 To 250, Deduct</i>	-1.27	
			<i>For &gt;250 To 500, Deduct</i>	-2.57	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.30	
			<i>For &gt;1,000, Deduct</i>	-6.02	
			<i>For 316 Stainless Steel, Add</i>	112.35	
			<i>For Aluminum, Add</i>	6.32	
			<i>For Galvanized Steel, Add</i>	21.77	
			<i>For High Strength Steel (HSS), Add</i>	10.41	
05 12 23 00-0530			<b>3/4" Thick</b> (05 12 23 00-0439)		
05 12 23 00-0531	LF		4" x 4" x 3/4" Thick, Plain Steel Angle Iron.....	28.86	6.74
			<i>For &gt;100 To 250, Deduct</i>	-0.67	
			<i>For &gt;250 To 500, Deduct</i>	-1.40	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.34	
			<i>For &gt;1,000, Deduct</i>	-3.29	
			<i>For 316 Stainless Steel, Add</i>	63.58	
			<i>For Aluminum, Add</i>	3.58	
			<i>For Galvanized Steel, Add</i>	12.32	
			<i>For High Strength Steel (HSS), Add</i>	5.77	
05 12 23 00-0532	LF		5" x 3-1/2" x 3/4" Thick, Plain Steel Angle Iron .....	30.86	7.21
			<i>For &gt;100 To 250, Deduct</i>	-0.72	
			<i>For &gt;250 To 500, Deduct</i>	-1.49	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.50	
			<i>For &gt;1,000, Deduct</i>	-3.52	
			<i>For 316 Stainless Steel, Add</i>	68.00	
			<i>For Aluminum, Add</i>	3.83	
			<i>For Galvanized Steel, Add</i>	13.18	
			<i>For High Strength Steel (HSS), Add</i>	6.17	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0533	LF		5" x 5" x 3/4" Thick, Plain Steel Angle Iron .....	36.80	8.60
			<i>For &gt;100 To 250, Deduct</i>	-0.86	
			<i>For &gt;250 To 500, Deduct</i>	-1.78	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.99	
			<i>For &gt;1,000, Deduct</i>	-4.19	
			<i>For 316 Stainless Steel, Add</i>	81.09	
			<i>For Aluminum, Add</i>	4.56	
			<i>For Galvanized Steel, Add</i>	15.71	
			<i>For High Strength Steel (HSS), Add</i>	7.36	
05 12 23 00-0534	LF		6" x 4" x 3/4" Thick, Plain Steel Angle Iron .....	36.80	8.60
			<i>For &gt;100 To 250, Deduct</i>	-0.86	
			<i>For &gt;250 To 500, Deduct</i>	-1.78	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.99	
			<i>For &gt;1,000, Deduct</i>	-4.19	
			<i>For 316 Stainless Steel, Add</i>	81.09	
			<i>For Aluminum, Add</i>	4.56	
			<i>For Galvanized Steel, Add</i>	15.71	
			<i>For High Strength Steel (HSS), Add</i>	7.36	
05 12 23 00-0535	LF		6" x 6" x 3/4" Thick, Plain Steel Angle Iron .....	44.75	10.45
			<i>For &gt;100 To 250, Deduct</i>	-1.05	
			<i>For &gt;250 To 500, Deduct</i>	-2.16	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.63	
			<i>For &gt;1,000, Deduct</i>	-5.10	
			<i>For 316 Stainless Steel, Add</i>	98.59	
			<i>For Aluminum, Add</i>	5.55	
			<i>For Galvanized Steel, Add</i>	19.10	
			<i>For High Strength Steel (HSS), Add</i>	8.95	
05 12 23 00-0536	LF		7" x 4" x 3/4" Thick, Plain Steel Angle Iron .....	40.85	9.54
			<i>For &gt;100 To 250, Deduct</i>	-0.95	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.32	
			<i>For &gt;1,000, Deduct</i>	-4.66	
			<i>For 316 Stainless Steel, Add</i>	89.98	
			<i>For Aluminum, Add</i>	5.06	
			<i>For Galvanized Steel, Add</i>	17.43	
			<i>For High Strength Steel (HSS), Add</i>	8.17	
05 12 23 00-0537	LF		8" x 4" x 3/4" Thick, Plain Steel Angle Iron .....	44.75	10.45
			<i>For &gt;100 To 250, Deduct</i>	-1.05	
			<i>For &gt;250 To 500, Deduct</i>	-2.16	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.63	
			<i>For &gt;1,000, Deduct</i>	-5.10	
			<i>For 316 Stainless Steel, Add</i>	98.59	
			<i>For Aluminum, Add</i>	5.55	
			<i>For Galvanized Steel, Add</i>	19.10	
			<i>For High Strength Steel (HSS), Add</i>	8.95	
05 12 23 00-0538	LF		8" x 6" x 3/4" Thick, Plain Steel Angle Iron .....	52.71	12.32
			<i>For &gt;100 To 250, Deduct</i>	-1.23	
			<i>For &gt;250 To 500, Deduct</i>	-2.55	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.28	
			<i>For &gt;1,000, Deduct</i>	-6.01	
			<i>For 316 Stainless Steel, Add</i>	116.13	
			<i>For Aluminum, Add</i>	6.53	
			<i>For Galvanized Steel, Add</i>	22.50	
			<i>For High Strength Steel (HSS), Add</i>	10.54	
05 12 23 00-0539	LF		8" x 8" x 3/4" Thick, Plain Steel Angle Iron .....	60.66	14.17
			<i>For &gt;100 To 250, Deduct</i>	-1.42	
			<i>For &gt;250 To 500, Deduct</i>	-2.93	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.92	
			<i>For &gt;1,000, Deduct</i>	-6.91	
			<i>For 316 Stainless Steel, Add</i>	133.63	
			<i>For Aluminum, Add</i>	7.52	
			<i>For Galvanized Steel, Add</i>	25.89	
			<i>For High Strength Steel (HSS), Add</i>	12.13	
<b>05 12 23 00-0540</b>			<b>7/8" Thick</b> <small>(05 12 23 00-0439)</small>		
05 12 23 00-0541	LF		5" x 5" x 7/8" Thick, Plain Steel Angle Iron .....	41.52	9.25
			<i>For &gt;100 To 250, Deduct</i>	-0.92	
			<i>For &gt;250 To 500, Deduct</i>	-1.96	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.31	
			<i>For &gt;1,000, Deduct</i>	-4.66	
			<i>For 316 Stainless Steel, Add</i>	93.41	
			<i>For Aluminum, Add</i>	5.25	
			<i>For Galvanized Steel, Add</i>	18.10	
			<i>For High Strength Steel (HSS), Add</i>	8.30	
05 12 23 00-0542	LF		6" x 4" x 7/8" Thick, Plain Steel Angle Iron .....	41.52	9.25
			<i>For &gt;100 To 250, Deduct</i>	-0.92	
			<i>For &gt;250 To 500, Deduct</i>	-1.96	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.31	
			<i>For &gt;1,000, Deduct</i>	-4.66	
			<i>For 316 Stainless Steel, Add</i>	93.41	
			<i>For Aluminum, Add</i>	5.25	
			<i>For Galvanized Steel, Add</i>	18.10	
			<i>For High Strength Steel (HSS), Add</i>	8.30	



**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0543	LF		6" x 6" x 7/8" Thick, Plain Steel Angle Iron.....	50.54	11.26
			<i>For &gt;100 To 250, Deduct</i>	-1.13	
			<i>For &gt;250 To 500, Deduct</i>	-2.39	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.03	
			<i>For &gt;1,000, Deduct</i>	-5.67	
			<i>For 316 Stainless Steel, Add</i>	113.70	
			<i>For Aluminum, Add</i>	6.40	
			<i>For Galvanized Steel, Add</i>	22.03	
			<i>For High Strength Steel (HSS), Add</i>	10.11	
05 12 23 00-0544	LF		8" x 6" x 7/8" Thick, Plain Steel Angle Iron.....	59.70	13.29
			<i>For &gt;100 To 250, Deduct</i>	-1.33	
			<i>For &gt;250 To 500, Deduct</i>	-2.82	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.76	
			<i>For &gt;1,000, Deduct</i>	-6.69	
			<i>For 316 Stainless Steel, Add</i>	134.34	
			<i>For Aluminum, Add</i>	7.56	
			<i>For Galvanized Steel, Add</i>	26.03	
			<i>For High Strength Steel (HSS), Add</i>	11.94	
05 12 23 00-0545	LF		8" x 8" x 7/8" Thick, Plain Steel Angle Iron.....	68.70	15.30
			<i>For &gt;100 To 250, Deduct</i>	-1.53	
			<i>For &gt;250 To 500, Deduct</i>	-3.25	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.48	
			<i>For &gt;1,000, Deduct</i>	-7.70	
			<i>For 316 Stainless Steel, Add</i>	154.56	
			<i>For Aluminum, Add</i>	8.69	
			<i>For Galvanized Steel, Add</i>	29.95	
			<i>For High Strength Steel (HSS), Add</i>	13.74	
<b>05 12 23 00-0546</b>			<b>Bar Channel</b> <small>(05 12 23 00-0438)</small>		
05 12 23 00-0547	LF		1" x 1/2" x 1/8" Thick Bar Channel.....	3.21	
			<i>For 316 Stainless Steel, Add</i>	3.74	
			<i>For Aluminum, Add</i>	0.21	
			<i>For Galvanized Steel, Add</i>	0.73	
			<i>For 304 Stainless Steel, Add</i>	3.33	
			<i>For High Strength Steel (HSS), Add</i>	0.64	
05 12 23 00-0548	LF		1-1/4" x 1/2" x 1/8" Thick Bar Channel.....	3.62	
			<i>For 316 Stainless Steel, Add</i>	4.48	
			<i>For Aluminum, Add</i>	0.25	
			<i>For Galvanized Steel, Add</i>	0.87	
			<i>For 304 Stainless Steel, Add</i>	3.99	
			<i>For High Strength Steel (HSS), Add</i>	0.72	
05 12 23 00-0549	LF		1-1/2" x 1/2" x 1/8" Thick Bar Channel.....	3.95	
			<i>For 316 Stainless Steel, Add</i>	4.96	
			<i>For Aluminum, Add</i>	0.28	
			<i>For Galvanized Steel, Add</i>	0.96	
			<i>For 304 Stainless Steel, Add</i>	4.42	
			<i>For High Strength Steel (HSS), Add</i>	0.79	
05 12 23 00-0550	LF		1-1/2" x 3/4" x 1/8" Thick Bar Channel.....	4.48	
			<i>For 316 Stainless Steel, Add</i>	5.15	
			<i>For Aluminum, Add</i>	0.29	
			<i>For Galvanized Steel, Add</i>	1.00	
			<i>For 304 Stainless Steel, Add</i>	4.59	
			<i>For High Strength Steel (HSS), Add</i>	0.90	
05 12 23 00-0551	LF		2" x 1/2" x 1/8" Thick Bar Channel.....	4.85	
			<i>For 316 Stainless Steel, Add</i>	6.34	
			<i>For Aluminum, Add</i>	0.36	
			<i>For Galvanized Steel, Add</i>	1.23	
			<i>For 304 Stainless Steel, Add</i>	5.64	
05 12 23 00-0552	LF		2" x 1" x 1/8" Thick Bar Channel.....	6.32	
			<i>For 316 Stainless Steel, Add</i>	7.07	
			<i>For Aluminum, Add</i>	0.40	
			<i>For Galvanized Steel, Add</i>	1.37	
			<i>For 304 Stainless Steel, Add</i>	6.30	
<b>05 12 23 00-0553</b>			<b>Channels - C</b> <small>(05 12 23 00-0438)</small>		
05 12 23 00-0554	LF		C2 x 1.78 - 2" Wide Channel.....	5.26	2.53
			<i>For &gt;100 To 250, Deduct</i>	-0.25	
			<i>For &gt;250 To 500, Deduct</i>	-0.39	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.60	
			<i>For &gt;1,000, Deduct</i>	-0.82	
			<i>For 316 Stainless Steel, Add</i>	6.02	
			<i>For Aluminum, Add</i>	0.34	
			<i>For Galvanized Steel, Add</i>	1.17	
			<i>For 304 Stainless Steel, Add</i>	5.36	
05 12 23 00-0555	LF		C3 x 4.1 - 3" Wide Channel.....	9.26	3.64
			<i>For &gt;100 To 250, Deduct</i>	-0.36	
			<i>For &gt;250 To 500, Deduct</i>	-0.60	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.95	
			<i>For &gt;1,000, Deduct</i>	-1.30	
			<i>For 316 Stainless Steel, Add</i>	14.08	
			<i>For Aluminum, Add</i>	0.79	
			<i>For Galvanized Steel, Add</i>	2.73	
			<i>For 304 Stainless Steel, Add</i>	12.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0556 LF C3 x 5 - 3" Wide Channel .....	11.29	4.44
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.73	
For >500 To 1,000, Deduct	-1.16	
For >1,000, Deduct	-1.59	
For 316 Stainless Steel, Add	17.18	
For Aluminum, Add	0.97	
For Galvanized Steel, Add	3.33	
For 304 Stainless Steel, Add	15.30	
05 12 23 00-0557 LF C3 x 6 - 3" Wide Channel .....	13.55	5.33
For >100 To 250, Deduct	-0.53	
For >250 To 500, Deduct	-0.87	
For >500 To 1,000, Deduct	-1.39	
For >1,000, Deduct	-1.91	
For 316 Stainless Steel, Add	20.61	
For Aluminum, Add	1.16	
For Galvanized Steel, Add	3.99	
For 304 Stainless Steel, Add	18.35	
05 12 23 00-0558 LF C4 x 5.4 - 4" Wide Channel .....	11.63	4.37
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.73	
For >500 To 1,000, Deduct	-1.16	
For >1,000, Deduct	-1.60	
For 316 Stainless Steel, Add	18.56	
For Aluminum, Add	1.04	
For Galvanized Steel, Add	3.60	
For 304 Stainless Steel, Add	16.53	
05 12 23 00-0559 LF C4 x 7.25 - 4" Wide Channel .....	15.61	5.87
For >100 To 250, Deduct	-0.59	
For >250 To 500, Deduct	-0.98	
For >500 To 1,000, Deduct	-1.56	
For >1,000, Deduct	-2.15	
For 316 Stainless Steel, Add	24.90	
For Aluminum, Add	1.40	
For Galvanized Steel, Add	4.82	
For 304 Stainless Steel, Add	22.17	
05 12 23 00-0560 LF C5 x 6.7 - 5" Wide Channel .....	13.99	5.09
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-0.86	
For >500 To 1,000, Deduct	-1.38	
For >1,000, Deduct	-1.90	
For 316 Stainless Steel, Add	23.01	
For Aluminum, Add	1.29	
For Galvanized Steel, Add	4.46	
For 304 Stainless Steel, Add	20.49	
05 12 23 00-0561 LF C5 x 9 - 5" Wide Channel .....	18.79	6.85
For >100 To 250, Deduct	-0.68	
For >250 To 500, Deduct	-1.15	
For >500 To 1,000, Deduct	-1.85	
For >1,000, Deduct	-2.55	
For 316 Stainless Steel, Add	30.91	
For Aluminum, Add	1.74	
For Galvanized Steel, Add	5.99	
For 304 Stainless Steel, Add	27.53	
05 12 23 00-0562 LF C6 x 8.2 - 6" Wide Channel .....	16.96	6.12
For >100 To 250, Deduct	-0.61	
For >250 To 500, Deduct	-1.04	
For >500 To 1,000, Deduct	-1.66	
For >1,000, Deduct	-2.29	
For 316 Stainless Steel, Add	28.16	
For Aluminum, Add	1.58	
For Galvanized Steel, Add	5.46	
For 304 Stainless Steel, Add	25.08	
05 12 23 00-0563 LF C6 x 10.5 - 6" Wide Channel .....	21.72	7.84
For >100 To 250, Deduct	-0.78	
For >250 To 500, Deduct	-1.33	
For >500 To 1,000, Deduct	-2.13	
For >1,000, Deduct	-2.94	
For 316 Stainless Steel, Add	36.06	
For Aluminum, Add	2.03	
For Galvanized Steel, Add	6.99	
For 304 Stainless Steel, Add	32.12	
05 12 23 00-0564 LF C6 x 13 - 6" Wide Channel .....	26.89	9.70
For >100 To 250, Deduct	-0.97	
For >250 To 500, Deduct	-1.64	
For >500 To 1,000, Deduct	-2.64	
For >1,000, Deduct	-3.63	
For 316 Stainless Steel, Add	44.64	
For Aluminum, Add	2.51	
For Galvanized Steel, Add	8.65	
For 304 Stainless Steel, Add	39.76	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0565	LF		C7 x 9.8 - 7" Wide Channel.....	20.23	7.28
			For >100 To 250, Deduct	-0.73	
			For >250 To 500, Deduct	-1.23	
			For >500 To 1,000, Deduct	-1.98	
			For >1,000, Deduct	-2.73	
			For 316 Stainless Steel, Add	33.66	
			For Aluminum, Add	1.89	
			For Galvanized Steel, Add	6.52	
			For 304 Stainless Steel, Add	29.98	
05 12 23 00-0566	LF		C7 x 12.25 - 7" Wide Channel.....	25.29	9.11
			For >100 To 250, Deduct	-0.91	
			For >250 To 500, Deduct	-1.54	
			For >500 To 1,000, Deduct	-2.48	
			For >1,000, Deduct	-3.41	
			For 316 Stainless Steel, Add	42.08	
			For Aluminum, Add	2.37	
			For Galvanized Steel, Add	8.15	
			For 304 Stainless Steel, Add	37.48	
05 12 23 00-0567	LF		C7 x 14.75 - 7" Wide Channel.....	30.46	10.96
			For >100 To 250, Deduct	-1.10	
			For >250 To 500, Deduct	-1.86	
			For >500 To 1,000, Deduct	-2.99	
			For >1,000, Deduct	-4.11	
			For 316 Stainless Steel, Add	50.66	
			For Aluminum, Add	2.85	
			For Galvanized Steel, Add	9.81	
			For 304 Stainless Steel, Add	45.12	
05 12 23 00-0568	LF		C8 x 11.5 - 8" Wide Channel.....	23.03	8.02
			For >100 To 250, Deduct	-0.80	
			For >250 To 500, Deduct	-1.38	
			For >500 To 1,000, Deduct	-2.22	
			For >1,000, Deduct	-3.06	
			For 316 Stainless Steel, Add	39.49	
			For Aluminum, Add	2.22	
			For Galvanized Steel, Add	7.65	
			For 304 Stainless Steel, Add	35.17	
05 12 23 00-0569	LF		C8 x 13.75 - 8" Wide Channel.....	27.54	9.58
			For >100 To 250, Deduct	-0.96	
			For >250 To 500, Deduct	-1.65	
			For >500 To 1,000, Deduct	-2.66	
			For >1,000, Deduct	-3.66	
			For 316 Stainless Steel, Add	47.23	
			For Aluminum, Add	2.66	
			For Galvanized Steel, Add	9.15	
			For 304 Stainless Steel, Add	42.07	
05 12 23 00-0570	LF		C8 x 18.75 - 8" Wide Channel.....	37.54	13.07
			For >100 To 250, Deduct	-1.31	
			For >250 To 500, Deduct	-2.25	
			For >500 To 1,000, Deduct	-3.62	
			For >1,000, Deduct	-4.99	
			For 316 Stainless Steel, Add	64.38	
			For Aluminum, Add	3.62	
			For Galvanized Steel, Add	12.47	
			For 304 Stainless Steel, Add	57.34	
05 12 23 00-0571	LF		C9 x 13.4 - 9" Wide Channel.....	26.84	9.34
			For >100 To 250, Deduct	-0.93	
			For >250 To 500, Deduct	-1.61	
			For >500 To 1,000, Deduct	-2.59	
			For >1,000, Deduct	-3.57	
			For 316 Stainless Steel, Add	46.02	
			For Aluminum, Add	2.59	
			For Galvanized Steel, Add	8.92	
			For 304 Stainless Steel, Add	40.98	
05 12 23 00-0572	LF		C9 x 15 - 9" Wide Channel.....	30.04	10.45
			For >100 To 250, Deduct	-1.05	
			For >250 To 500, Deduct	-1.80	
			For >500 To 1,000, Deduct	-2.90	
			For >1,000, Deduct	-4.00	
			For 316 Stainless Steel, Add	51.52	
			For Aluminum, Add	2.90	
			For Galvanized Steel, Add	9.98	
			For 304 Stainless Steel, Add	45.89	
05 12 23 00-0573	LF		C9 x 20 - 9" Wide Channel.....	40.06	13.94
			For >100 To 250, Deduct	-1.39	
			For >250 To 500, Deduct	-2.40	
			For >500 To 1,000, Deduct	-3.86	
			For >1,000, Deduct	-5.33	
			For 316 Stainless Steel, Add	68.70	
			For Aluminum, Add	3.86	
			For Galvanized Steel, Add	13.31	
			For 304 Stainless Steel, Add	61.19	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0574	LF		C10 x 15.3 - 10" Wide Channel .....	30.63	10.66
			For >100 To 250, Deduct	-1.07	
			For >250 To 500, Deduct	-1.83	
			For >500 To 1,000, Deduct	-2.95	
			For >1,000, Deduct	-4.07	
			For 316 Stainless Steel, Add	52.54	
			For Aluminum, Add	2.96	
			For Galvanized Steel, Add	10.18	
			For 304 Stainless Steel, Add	46.80	
05 12 23 00-0575	LF		C10 x 20 - 10" Wide Channel .....	40.06	13.94
			For >100 To 250, Deduct	-1.39	
			For >250 To 500, Deduct	-2.40	
			For >500 To 1,000, Deduct	-3.86	
			For >1,000, Deduct	-5.33	
			For 316 Stainless Steel, Add	68.70	
			For Aluminum, Add	3.86	
			For Galvanized Steel, Add	13.31	
			For 304 Stainless Steel, Add	61.19	
05 12 23 00-0576	LF		C10 x 25 - 10" Wide Channel .....	50.06	17.42
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.99	
			For >500 To 1,000, Deduct	-4.83	
			For >1,000, Deduct	-6.66	
			For 316 Stainless Steel, Add	85.86	
			For Aluminum, Add	4.83	
			For Galvanized Steel, Add	16.63	
			For 304 Stainless Steel, Add	76.47	
05 12 23 00-0577	LF		C10 x 30 - 10" Wide Channel .....	60.07	20.91
			For >100 To 250, Deduct	-2.09	
			For >250 To 500, Deduct	-3.59	
			For >500 To 1,000, Deduct	-5.79	
			For >1,000, Deduct	-7.99	
			For 316 Stainless Steel, Add	103.04	
			For Aluminum, Add	5.80	
			For Galvanized Steel, Add	19.96	
			For 304 Stainless Steel, Add	91.77	
05 12 23 00-0578	LF		C12 x 20.7 - 12" Wide Channel .....	41.46	14.42
			For >100 To 250, Deduct	-1.44	
			For >250 To 500, Deduct	-2.48	
			For >500 To 1,000, Deduct	-4.00	
			For >1,000, Deduct	-5.51	
			For 316 Stainless Steel, Add	71.10	
			For Aluminum, Add	4.00	
			For Galvanized Steel, Add	13.78	
			For 304 Stainless Steel, Add	63.33	
05 12 23 00-0579	LF		C12 x 25 - 12" Wide Channel .....	50.06	17.42
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.99	
			For >500 To 1,000, Deduct	-4.83	
			For >1,000, Deduct	-6.66	
			For 316 Stainless Steel, Add	85.86	
			For Aluminum, Add	4.83	
			For Galvanized Steel, Add	16.63	
			For 304 Stainless Steel, Add	76.47	
05 12 23 00-0580	LF		C12 x 30 - 12" Wide Channel .....	60.07	20.91
			For >100 To 250, Deduct	-2.09	
			For >250 To 500, Deduct	-3.59	
			For >500 To 1,000, Deduct	-5.79	
			For >1,000, Deduct	-7.99	
			For 316 Stainless Steel, Add	103.04	
			For Aluminum, Add	5.80	
			For Galvanized Steel, Add	19.96	
			For 304 Stainless Steel, Add	91.77	
05 12 23 00-0581	LF		C15 x 33.9 - 15" Wide Channel .....	67.89	23.62
			For >100 To 250, Deduct	-2.36	
			For >250 To 500, Deduct	-4.06	
			For >500 To 1,000, Deduct	-6.54	
			For >1,000, Deduct	-9.03	
			For 316 Stainless Steel, Add	116.45	
			For Aluminum, Add	6.55	
			For Galvanized Steel, Add	22.56	
			For 304 Stainless Steel, Add	103.71	
05 12 23 00-0582	LF		C15 x 40 - 15" Wide Channel .....	80.10	27.87
			For >100 To 250, Deduct	-2.79	
			For >250 To 500, Deduct	-4.79	
			For >500 To 1,000, Deduct	-7.72	
			For >1,000, Deduct	-10.65	
			For 316 Stainless Steel, Add	137.38	
			For Aluminum, Add	7.73	
			For Galvanized Steel, Add	26.62	
			For 304 Stainless Steel, Add	122.35	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0583	LF		C15 x 50 - 15" Wide Channel.....	100.13	34.84
			<i>For &gt;100 To 250, Deduct</i>	-3.48	
			<i>For &gt;250 To 500, Deduct</i>	-5.99	
			<i>For &gt;500 To 1,000, Deduct</i>	-9.65	
			<i>For &gt;1,000, Deduct</i>	-13.32	
			<i>For 316 Stainless Steel, Add</i>	171.74	
			<i>For Aluminum, Add</i>	9.66	
			<i>For Galvanized Steel, Add</i>	33.28	
			<i>For 304 Stainless Steel, Add</i>	152.96	
05 12 23 00-0584			Miscellaneous Channels - MC <small>(05 12 23 00-0438)</small>		
05 12 23 00-0585	LF		MC6 x 12 - 6" Wide Channel.....	24.82	8.96
			<i>For &gt;100 To 250, Deduct</i>	-0.90	
			<i>For &gt;250 To 500, Deduct</i>	-1.52	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.44	
			<i>For &gt;1,000, Deduct</i>	-3.35	
			<i>For 316 Stainless Steel, Add</i>	41.22	
			<i>For Aluminum, Add</i>	2.32	
			<i>For Galvanized Steel, Add</i>	7.99	
			<i>For 304 Stainless Steel, Add</i>	36.71	
05 12 23 00-0586	LF		MC6 x 15.1 - 6" Wide Channel.....	31.24	11.27
			<i>For &gt;100 To 250, Deduct</i>	-1.13	
			<i>For &gt;250 To 500, Deduct</i>	-1.91	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.07	
			<i>For &gt;1,000, Deduct</i>	-4.22	
			<i>For 316 Stainless Steel, Add</i>	51.87	
			<i>For Aluminum, Add</i>	2.92	
			<i>For Galvanized Steel, Add</i>	10.05	
			<i>For 304 Stainless Steel, Add</i>	46.20	
05 12 23 00-0587	LF		MC6 x 15.3 - 6" Wide Channel.....	31.64	11.42
			<i>For &gt;100 To 250, Deduct</i>	-1.14	
			<i>For &gt;250 To 500, Deduct</i>	-1.93	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.10	
			<i>For &gt;1,000, Deduct</i>	-4.28	
			<i>For 316 Stainless Steel, Add</i>	52.54	
			<i>For Aluminum, Add</i>	2.96	
			<i>For Galvanized Steel, Add</i>	10.18	
			<i>For 304 Stainless Steel, Add</i>	46.80	
05 12 23 00-0588	LF		MC6 x 16.3 - 6" Wide Channel.....	33.71	12.16
			<i>For &gt;100 To 250, Deduct</i>	-1.22	
			<i>For &gt;250 To 500, Deduct</i>	-2.06	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.31	
			<i>For &gt;1,000, Deduct</i>	-4.56	
			<i>For 316 Stainless Steel, Add</i>	55.97	
			<i>For Aluminum, Add</i>	3.15	
			<i>For Galvanized Steel, Add</i>	10.84	
			<i>For 304 Stainless Steel, Add</i>	49.85	
05 12 23 00-0589	LF		MC6 x 18 - 6" Wide Channel.....	37.23	13.44
			<i>For &gt;100 To 250, Deduct</i>	-1.34	
			<i>For &gt;250 To 500, Deduct</i>	-2.27	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.65	
			<i>For &gt;1,000, Deduct</i>	-5.03	
			<i>For 316 Stainless Steel, Add</i>	61.82	
			<i>For Aluminum, Add</i>	3.48	
			<i>For Galvanized Steel, Add</i>	11.98	
			<i>For 304 Stainless Steel, Add</i>	55.06	
05 12 23 00-0590	LF		MC7 x 17.6 - 7" Wide Channel.....	36.34	13.09
			<i>For &gt;100 To 250, Deduct</i>	-1.31	
			<i>For &gt;250 To 500, Deduct</i>	-2.22	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.56	
			<i>For &gt;1,000, Deduct</i>	-4.91	
			<i>For 316 Stainless Steel, Add</i>	60.45	
			<i>For Aluminum, Add</i>	3.40	
			<i>For Galvanized Steel, Add</i>	11.71	
			<i>For 304 Stainless Steel, Add</i>	53.84	
05 12 23 00-0591	LF		MC7 x 19.1 - 7" Wide Channel.....	39.43	14.20
			<i>For &gt;100 To 250, Deduct</i>	-1.42	
			<i>For &gt;250 To 500, Deduct</i>	-2.41	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.86	
			<i>For &gt;1,000, Deduct</i>	-5.32	
			<i>For 316 Stainless Steel, Add</i>	65.60	
			<i>For Aluminum, Add</i>	3.69	
			<i>For Galvanized Steel, Add</i>	12.71	
			<i>For 304 Stainless Steel, Add</i>	58.43	
05 12 23 00-0592	LF		MC7 x 22.7 - 7" Wide Channel.....	46.86	16.87
			<i>For &gt;100 To 250, Deduct</i>	-1.69	
			<i>For &gt;250 To 500, Deduct</i>	-2.86	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.59	
			<i>For &gt;1,000, Deduct</i>	-6.33	
			<i>For 316 Stainless Steel, Add</i>	77.95	
			<i>For Aluminum, Add</i>	4.38	
			<i>For Galvanized Steel, Add</i>	15.10	
			<i>For 304 Stainless Steel, Add</i>	69.43	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0593	LF		MC8 x 8.5 - 8" Wide Channel .....	17.02	5.92
			For >100 To 250, Deduct	-0.59	
			For >250 To 500, Deduct	-1.02	
			For >500 To 1,000, Deduct	-1.64	
			For >1,000, Deduct	-2.26	
			For 316 Stainless Steel, Add	29.18	
			For Aluminum, Add	1.64	
			For Galvanized Steel, Add	5.65	
			For 304 Stainless Steel, Add	25.99	
05 12 23 00-0594	LF		MC8 x 18.7 - 8" Wide Channel .....	37.45	13.03
			For >100 To 250, Deduct	-1.30	
			For >250 To 500, Deduct	-2.24	
			For >500 To 1,000, Deduct	-3.61	
			For >1,000, Deduct	-4.98	
			For 316 Stainless Steel, Add	64.22	
			For Aluminum, Add	3.61	
			For Galvanized Steel, Add	12.44	
			For 304 Stainless Steel, Add	57.20	
05 12 23 00-0595	LF		MC8 x 20 - 8" Wide Channel .....	40.06	13.94
			For >100 To 250, Deduct	-1.39	
			For >250 To 500, Deduct	-2.40	
			For >500 To 1,000, Deduct	-3.86	
			For >1,000, Deduct	-5.33	
			For 316 Stainless Steel, Add	68.70	
			For Aluminum, Add	3.86	
			For Galvanized Steel, Add	13.31	
			For 304 Stainless Steel, Add	61.19	
05 12 23 00-0596	LF		MC8 x 21.4 - 8" Wide Channel .....	42.86	14.92
			For >100 To 250, Deduct	-1.49	
			For >250 To 500, Deduct	-2.56	
			For >500 To 1,000, Deduct	-4.13	
			For >1,000, Deduct	-5.70	
			For 316 Stainless Steel, Add	73.50	
			For Aluminum, Add	4.13	
			For Galvanized Steel, Add	14.24	
			For 304 Stainless Steel, Add	65.46	
05 12 23 00-0597	LF		MC8 x 22.8 - 8" Wide Channel .....	45.65	15.90
			For >100 To 250, Deduct	-1.59	
			For >250 To 500, Deduct	-2.73	
			For >500 To 1,000, Deduct	-4.40	
			For >1,000, Deduct	-6.07	
			For 316 Stainless Steel, Add	78.30	
			For Aluminum, Add	4.40	
			For Galvanized Steel, Add	15.17	
			For 304 Stainless Steel, Add	69.74	
05 12 23 00-0598	LF		MC9 x 23.9 - 9" Wide Channel .....	47.86	16.65
			For >100 To 250, Deduct	-1.67	
			For >250 To 500, Deduct	-2.86	
			For >500 To 1,000, Deduct	-4.61	
			For >1,000, Deduct	-6.37	
			For 316 Stainless Steel, Add	82.08	
			For Aluminum, Add	4.62	
			For Galvanized Steel, Add	15.90	
			For 304 Stainless Steel, Add	73.10	
05 12 23 00-0599	LF		MC9 x 25.4 - 9" Wide Channel .....	50.86	17.70
			For >100 To 250, Deduct	-1.77	
			For >250 To 500, Deduct	-3.04	
			For >500 To 1,000, Deduct	-4.90	
			For >1,000, Deduct	-6.76	
			For 316 Stainless Steel, Add	87.23	
			For Aluminum, Add	4.91	
			For Galvanized Steel, Add	16.90	
			For 304 Stainless Steel, Add	77.69	
05 12 23 00-0600	LF		MC10 x 6.5 - 10" Wide Channel.....	13.02	4.53
			For >100 To 250, Deduct	-0.45	
			For >250 To 500, Deduct	-0.78	
			For >500 To 1,000, Deduct	-1.26	
			For >1,000, Deduct	-1.73	
			For 316 Stainless Steel, Add	22.34	
			For Aluminum, Add	1.26	
			For Galvanized Steel, Add	4.33	
			For 304 Stainless Steel, Add	19.89	
05 12 23 00-0601	LF		MC10 x 8.4 - 10" Wide Channel.....	16.83	5.85
			For >100 To 250, Deduct	-0.59	
			For >250 To 500, Deduct	-1.01	
			For >500 To 1,000, Deduct	-1.62	
			For >1,000, Deduct	-2.24	
			For 316 Stainless Steel, Add	28.86	
			For Aluminum, Add	1.62	
			For Galvanized Steel, Add	5.59	
			For 304 Stainless Steel, Add	25.71	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0602	LF		MC10 x 21.9 - 10" Wide Channel.....	43.85	15.26
			For >100 To 250, Deduct	-1.53	
			For >250 To 500, Deduct	-2.62	
			For >500 To 1,000, Deduct	-4.23	
			For >1,000, Deduct	-5.83	
			For 316 Stainless Steel, Add	75.23	
			For Aluminum, Add	4.23	
			For Galvanized Steel, Add	14.58	
			For 304 Stainless Steel, Add	67.00	
05 12 23 00-0603	LF		MC10 x 24.9 - 10" Wide Channel.....	49.87	17.36
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-2.98	
			For >500 To 1,000, Deduct	-4.81	
			For >1,000, Deduct	-6.63	
			For 316 Stainless Steel, Add	85.54	
			For Aluminum, Add	4.81	
			For Galvanized Steel, Add	16.57	
			For 304 Stainless Steel, Add	76.18	
05 12 23 00-0604	LF		MC10 x 25.3 - 10" Wide Channel.....	50.66	17.63
			For >100 To 250, Deduct	-1.76	
			For >250 To 500, Deduct	-3.03	
			For >500 To 1,000, Deduct	-4.88	
			For >1,000, Deduct	-6.74	
			For 316 Stainless Steel, Add	86.88	
			For Aluminum, Add	4.89	
			For Galvanized Steel, Add	16.83	
			For 304 Stainless Steel, Add	77.38	
05 12 23 00-0605	LF		MC10 x 28.3 - 10" Wide Channel.....	56.67	19.72
			For >100 To 250, Deduct	-1.97	
			For >250 To 500, Deduct	-3.39	
			For >500 To 1,000, Deduct	-5.46	
			For >1,000, Deduct	-7.54	
			For 316 Stainless Steel, Add	97.18	
			For Aluminum, Add	5.47	
			For Galvanized Steel, Add	18.83	
			For 304 Stainless Steel, Add	86.55	
05 12 23 00-0606	LF		MC10 x 28.5 - 10" Wide Channel.....	57.07	19.86
			For >100 To 250, Deduct	-1.99	
			For >250 To 500, Deduct	-3.41	
			For >500 To 1,000, Deduct	-5.50	
			For >1,000, Deduct	-7.59	
			For 316 Stainless Steel, Add	97.89	
			For Aluminum, Add	5.51	
			For Galvanized Steel, Add	18.97	
			For 304 Stainless Steel, Add	87.18	
05 12 23 00-0607	LF		MC10 x 33.6 - 10" Wide Channel.....	67.28	23.42
			For >100 To 250, Deduct	-2.34	
			For >250 To 500, Deduct	-4.02	
			For >500 To 1,000, Deduct	-6.49	
			For >1,000, Deduct	-8.95	
			For 316 Stainless Steel, Add	115.39	
			For Aluminum, Add	6.49	
			For Galvanized Steel, Add	22.36	
			For 304 Stainless Steel, Add	102.77	
05 12 23 00-0608	LF		MC10 x 41.1 - 10" Wide Channel.....	82.30	28.65
			For >100 To 250, Deduct	-2.86	
			For >250 To 500, Deduct	-4.92	
			For >500 To 1,000, Deduct	-7.93	
			For >1,000, Deduct	-10.95	
			For 316 Stainless Steel, Add	141.15	
			For Aluminum, Add	7.94	
			For Galvanized Steel, Add	27.35	
			For 304 Stainless Steel, Add	125.71	
05 12 23 00-0609	LF		MC12 x 30.9 - 12" Wide Channel.....	61.89	21.53
			For >100 To 250, Deduct	-2.15	
			For >250 To 500, Deduct	-3.70	
			For >500 To 1,000, Deduct	-5.97	
			For >1,000, Deduct	-8.23	
			For 316 Stainless Steel, Add	106.14	
			For Aluminum, Add	5.97	
			For Galvanized Steel, Add	20.57	
			For 304 Stainless Steel, Add	94.53	
05 12 23 00-0610	LF		MC12 x 32.9 - 12" Wide Channel.....	65.88	22.93
			For >100 To 250, Deduct	-2.29	
			For >250 To 500, Deduct	-3.94	
			For >500 To 1,000, Deduct	-6.35	
			For >1,000, Deduct	-8.76	
			For 316 Stainless Steel, Add	112.99	
			For Aluminum, Add	6.36	
			For Galvanized Steel, Add	21.89	
			For 304 Stainless Steel, Add	100.63	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0611	LF		MC12 x 35 - 12" Wide Channel .....	70.09	24.39
			For >100 To 250, Deduct	-2.44	
			For >250 To 500, Deduct	-4.19	
			For >500 To 1,000, Deduct	-6.76	
			For >1,000, Deduct	-9.32	
			For 316 Stainless Steel, Add	120.22	
			For Aluminum, Add	6.76	
			For Galvanized Steel, Add	23.29	
			For 304 Stainless Steel, Add	107.07	
05 12 23 00-0612	LF		MC12 x 37 - 12" Wide Channel .....	74.10	25.79
			For >100 To 250, Deduct	-2.58	
			For >250 To 500, Deduct	-4.43	
			For >500 To 1,000, Deduct	-7.14	
			For >1,000, Deduct	-9.86	
			For 316 Stainless Steel, Add	127.07	
			For Aluminum, Add	7.15	
			For Galvanized Steel, Add	24.62	
			For 304 Stainless Steel, Add	113.17	
05 12 23 00-0613	LF		MC12 x 40 - 12" Wide Channel .....	80.10	27.87
			For >100 To 250, Deduct	-2.79	
			For >250 To 500, Deduct	-4.79	
			For >500 To 1,000, Deduct	-7.72	
			For >1,000, Deduct	-10.65	
			For 316 Stainless Steel, Add	137.38	
			For Aluminum, Add	7.73	
			For Galvanized Steel, Add	26.62	
			For 304 Stainless Steel, Add	122.35	
05 12 23 00-0614	LF		MC12 x 45 - 12" Wide Channel .....	90.12	31.36
			For >100 To 250, Deduct	-3.14	
			For >250 To 500, Deduct	-5.39	
			For >500 To 1,000, Deduct	-8.69	
			For >1,000, Deduct	-11.99	
			For 316 Stainless Steel, Add	154.56	
			For Aluminum, Add	8.69	
			For Galvanized Steel, Add	29.95	
			For 304 Stainless Steel, Add	137.66	
05 12 23 00-0615	LF		MC12 x 50 - 12" Wide Channel .....	100.13	34.85
			For >100 To 250, Deduct	-3.48	
			For >250 To 500, Deduct	-5.99	
			For >500 To 1,000, Deduct	-9.65	
			For >1,000, Deduct	-13.32	
			For 316 Stainless Steel, Add	171.74	
			For Aluminum, Add	9.66	
			For Galvanized Steel, Add	33.28	
			For 304 Stainless Steel, Add	152.96	
05 12 23 00-0616	LF		MC13 x 31.8 - 13" Wide Channel.....	63.68	22.16
			For >100 To 250, Deduct	-2.22	
			For >250 To 500, Deduct	-3.81	
			For >500 To 1,000, Deduct	-6.14	
			For >1,000, Deduct	-8.47	
			For 316 Stainless Steel, Add	109.22	
			For Aluminum, Add	6.14	
			For Galvanized Steel, Add	21.16	
			For 304 Stainless Steel, Add	97.27	
05 12 23 00-0617	LF		MC13 x 35 - 13" Wide Channel .....	70.09	24.39
			For >100 To 250, Deduct	-2.44	
			For >250 To 500, Deduct	-4.19	
			For >500 To 1,000, Deduct	-6.76	
			For >1,000, Deduct	-9.32	
			For 316 Stainless Steel, Add	120.22	
			For Aluminum, Add	6.76	
			For Galvanized Steel, Add	23.29	
			For 304 Stainless Steel, Add	107.07	
05 12 23 00-0618	LF		MC13 x 40 - 13" Wide Channel .....	80.10	27.87
			For >100 To 250, Deduct	-2.79	
			For >250 To 500, Deduct	-4.79	
			For >500 To 1,000, Deduct	-7.72	
			For >1,000, Deduct	-10.65	
			For 316 Stainless Steel, Add	137.38	
			For Aluminum, Add	7.73	
			For Galvanized Steel, Add	26.62	
			For 304 Stainless Steel, Add	122.35	
05 12 23 00-0619	LF		MC13 x 50 - 13" Wide Channel .....	100.13	34.85
			For >100 To 250, Deduct	-3.48	
			For >250 To 500, Deduct	-5.99	
			For >500 To 1,000, Deduct	-9.65	
			For >1,000, Deduct	-13.32	
			For 316 Stainless Steel, Add	171.74	
			For Aluminum, Add	9.66	
			For Galvanized Steel, Add	33.28	
			For 304 Stainless Steel, Add	152.96	



**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0620	LF		MC18 x 42.7 - 18" Wide Channel.....	85.51	29.76
			<i>For &gt;100 To 250, Deduct</i>	-2.98	
			<i>For &gt;250 To 500, Deduct</i>	-5.11	
			<i>For &gt;500 To 1,000, Deduct</i>	-8.24	
			<i>For &gt;1,000, Deduct</i>	-11.37	
			<i>For 316 Stainless Steel, Add</i>	146.66	
			<i>For Aluminum, Add</i>	8.25	
			<i>For Galvanized Steel, Add</i>	28.41	
			<i>For 304 Stainless Steel, Add</i>	130.62	
05 12 23 00-0621	LF		MC18 x 45.8 - 18" Wide Channel.....	91.72	31.92
			<i>For &gt;100 To 250, Deduct</i>	-3.19	
			<i>For &gt;250 To 500, Deduct</i>	-5.49	
			<i>For &gt;500 To 1,000, Deduct</i>	-8.84	
			<i>For &gt;1,000, Deduct</i>	-12.20	
			<i>For 316 Stainless Steel, Add</i>	157.31	
			<i>For Aluminum, Add</i>	8.85	
			<i>For Galvanized Steel, Add</i>	30.48	
			<i>For 304 Stainless Steel, Add</i>	140.11	
05 12 23 00-0622	LF		MC18 x 51.9 - 18" Wide Channel.....	103.92	36.17
			<i>For &gt;100 To 250, Deduct</i>	-3.62	
			<i>For &gt;250 To 500, Deduct</i>	-6.21	
			<i>For &gt;500 To 1,000, Deduct</i>	-10.02	
			<i>For &gt;1,000, Deduct</i>	-13.82	
			<i>For 316 Stainless Steel, Add</i>	178.24	
			<i>For Aluminum, Add</i>	10.03	
			<i>For Galvanized Steel, Add</i>	34.53	
			<i>For 304 Stainless Steel, Add</i>	158.75	
05 12 23 00-0623	LF		MC18 x 58 - 18" Wide Channel.....	116.14	40.42
			<i>For &gt;100 To 250, Deduct</i>	-4.04	
			<i>For &gt;250 To 500, Deduct</i>	-6.95	
			<i>For &gt;500 To 1,000, Deduct</i>	-11.20	
			<i>For &gt;1,000, Deduct</i>	-15.45	
			<i>For 316 Stainless Steel, Add</i>	199.20	
			<i>For Aluminum, Add</i>	11.21	
			<i>For Galvanized Steel, Add</i>	38.60	
			<i>For 304 Stainless Steel, Add</i>	177.41	
<b>05 12 23 00-0624</b>			<b>Structural Bar Tees</b> (05 12 23 00-0438)		
05 12 23 00-0625	LF		3/4" x 3/4" x 1/8" Structural Bar Tee.....	3.34	1.86
			<i>For &gt;100 To 250, Deduct</i>	-0.19	
			<i>For &gt;250 To 500, Deduct</i>	-0.27	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.41	
			<i>For &gt;1,000, Deduct</i>	-0.56	
			<i>For 316 Stainless Steel, Add</i>	2.78	
			<i>For Aluminum, Add</i>	0.16	
			<i>For Galvanized Steel, Add</i>	0.54	
			<i>For 304 Stainless Steel, Add</i>	2.48	
05 12 23 00-0626	LF		1" x 1" x 1/8" Structural Bar Tee .....	4.10	2.19
			<i>For &gt;100 To 250, Deduct</i>	-0.22	
			<i>For &gt;250 To 500, Deduct</i>	-0.32	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.50	
			<i>For &gt;1,000, Deduct</i>	-0.67	
			<i>For 316 Stainless Steel, Add</i>	3.81	
			<i>For Aluminum, Add</i>	0.21	
			<i>For Galvanized Steel, Add</i>	0.74	
			<i>For 304 Stainless Steel, Add</i>	3.39	
05 12 23 00-0627	LF		1-1/2" x 1-1/2" x 1/4" Structural Bar Tee .....	6.77	2.52
			<i>For &gt;100 To 250, Deduct</i>	-0.25	
			<i>For &gt;250 To 500, Deduct</i>	-0.42	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.68	
			<i>For &gt;1,000, Deduct</i>	-0.93	
			<i>For 316 Stainless Steel, Add</i>	10.88	
			<i>For Aluminum, Add</i>	0.61	
			<i>For Galvanized Steel, Add</i>	2.11	
			<i>For 304 Stainless Steel, Add</i>	9.69	
05 12 23 00-0628	LF		2" x 2" x 1/4" Structural Bar Tee .....	9.47	3.30
			<i>For &gt;100 To 250, Deduct</i>	-0.33	
			<i>For &gt;250 To 500, Deduct</i>	-0.57	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.91	
			<i>For &gt;1,000, Deduct</i>	-1.26	
			<i>For 316 Stainless Steel, Add</i>	16.22	
			<i>For Aluminum, Add</i>	0.91	
			<i>For Galvanized Steel, Add</i>	3.14	
			<i>For 304 Stainless Steel, Add</i>	14.45	
05 12 23 00-0629	LF		2-1/2" x 2-1/2" x 3/8" Structural Bar Tee .....	14.42	3.98
			<i>For &gt;100 To 250, Deduct</i>	-0.40	
			<i>For &gt;250 To 500, Deduct</i>	-0.76	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.25	
			<i>For &gt;1,000, Deduct</i>	-1.75	
			<i>For 316 Stainless Steel, Add</i>	29.12	
			<i>For Aluminum, Add</i>	1.64	
			<i>For Galvanized Steel, Add</i>	5.64	
			<i>For 304 Stainless Steel, Add</i>	25.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0630 LF 3" x 3" x 3/8" Structural Bar Tee .....	17.72	5.10
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-0.95	
For >500 To 1,000, Deduct	-1.57	
For >1,000, Deduct	-2.18	
For 316 Stainless Steel, Add	34.94	
For Aluminum, Add	1.97	
For Galvanized Steel, Add	6.77	
For 304 Stainless Steel, Add	31.12	
<b>05 12 23 00-0631 Structural Zees (05 12 23 00-0438)</b>		
05 12 23 00-0632 LF 1-1/4" x 1-3/4" x 1-3/4" x 3/16" Structural Zee .....	8.44	2.52
For >100 To 250, Deduct	-0.25	
For >250 To 500, Deduct	-0.46	
For >500 To 1,000, Deduct	-0.76	
For >1,000, Deduct	-1.05	
For 316 Stainless Steel, Add	16.22	
For Aluminum, Add	0.91	
For Galvanized Steel, Add	3.14	
For 304 Stainless Steel, Add	14.45	
05 12 23 00-0633 LF 2-11/16" x 3" x 2-11/16" x 1/4" Structural Zee .....	16.15	3.01
For >100 To 250, Deduct	-0.30	
For >250 To 500, Deduct	-0.70	
For >500 To 1,000, Deduct	-1.21	
For >1,000, Deduct	-1.71	
For 316 Stainless Steel, Add	38.85	
For Aluminum, Add	2.19	
For Galvanized Steel, Add	7.53	
For 304 Stainless Steel, Add	34.60	
05 12 23 00-0634 LF 3-1/16" x 4" x 3-1/16" x 1/4" Structural Zee .....	19.39	3.40
For >100 To 250, Deduct	-0.34	
For >250 To 500, Deduct	-0.82	
For >500 To 1,000, Deduct	-1.42	
For >1,000, Deduct	-2.02	
For 316 Stainless Steel, Add	47.55	
For Aluminum, Add	2.67	
For Galvanized Steel, Add	9.21	
For 304 Stainless Steel, Add	42.35	
05 12 23 00-0635 LF 3-1/4" x 5" x 3-1/4" x 5/16" Structural Zee .....	26.20	3.88
For >100 To 250, Deduct	-0.39	
For >250 To 500, Deduct	-1.04	
For >500 To 1,000, Deduct	-1.83	
For >1,000, Deduct	-2.61	
For 316 Stainless Steel, Add	67.26	
For Aluminum, Add	3.78	
For Galvanized Steel, Add	13.03	
For 304 Stainless Steel, Add	59.91	
05 12 23 00-0636 LF 3-1/2" x 6" x 3-1/2" x 3/8" Structural Zee .....	34.09	4.23
For >100 To 250, Deduct	-0.42	
For >250 To 500, Deduct	-1.28	
For >500 To 1,000, Deduct	-2.27	
For >1,000, Deduct	-3.26	
For 316 Stainless Steel, Add	91.04	
For Aluminum, Add	5.12	
For Galvanized Steel, Add	17.64	
For 304 Stainless Steel, Add	81.08	
<b>05 12 23 00-0637 Junior I-Beams (05 12 23 00-0438)</b>		
05 12 23 00-0638 LF 3" Junior I-Beam, 2.9 LB/LF .....	11.55	3.64
For >100 To 250, Deduct	-0.36	
For >250 To 500, Deduct	-0.65	
For >500 To 1,000, Deduct	-1.06	
For >1,000, Deduct	-1.47	
For 316 Stainless Steel, Add	21.41	
For Aluminum, Add	1.20	
For Galvanized Steel, Add	4.15	
For 304 Stainless Steel, Add	19.07	
05 12 23 00-0639 LF 4" Junior I-Beam, 3.2 LB/LF .....	12.70	3.98
For >100 To 250, Deduct	-0.40	
For >250 To 500, Deduct	-0.72	
For >500 To 1,000, Deduct	-1.17	
For >1,000, Deduct	-1.62	
For 316 Stainless Steel, Add	23.62	
For Aluminum, Add	1.33	
For Galvanized Steel, Add	4.58	
For 304 Stainless Steel, Add	21.03	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0640	LF		5" Junior I-Beam, 3.8 LB/LF .....	14.59	4.37
			<i>For &gt;100 To 250, Deduct</i>	-0.44	
			<i>For &gt;250 To 500, Deduct</i>	-0.80	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.31	
			<i>For &gt;1,000, Deduct</i>	-1.82	
			<i>For 316 Stainless Steel, Add</i>	28.03	
			<i>For Aluminum, Add</i>	1.58	
			<i>For Galvanized Steel, Add</i>	5.43	
			<i>For 304 Stainless Steel, Add</i>	24.97	
05 12 23 00-0641	LF		6" Junior I-Beam, 4.4 LB/LF .....	16.49	4.76
			<i>For &gt;100 To 250, Deduct</i>	-0.48	
			<i>For &gt;250 To 500, Deduct</i>	-0.89	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.46	
			<i>For &gt;1,000, Deduct</i>	-2.03	
			<i>For 316 Stainless Steel, Add</i>	32.48	
			<i>For Aluminum, Add</i>	1.83	
			<i>For Galvanized Steel, Add</i>	6.29	
			<i>For 304 Stainless Steel, Add</i>	28.93	
05 12 23 00-0642	LF		7" Junior I-Beam, 5.5 LB/LF .....	19.48	5.10
			<i>For &gt;100 To 250, Deduct</i>	-0.51	
			<i>For &gt;250 To 500, Deduct</i>	-1.00	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.65	
			<i>For &gt;1,000, Deduct</i>	-2.31	
			<i>For 316 Stainless Steel, Add</i>	40.58	
			<i>For Aluminum, Add</i>	2.28	
			<i>For Galvanized Steel, Add</i>	7.86	
			<i>For 304 Stainless Steel, Add</i>	36.14	
05 12 23 00-0643	LF		8" Junior I-Beam, 6.5 LB/LF .....	22.24	5.44
			<i>For &gt;100 To 250, Deduct</i>	-0.54	
			<i>For &gt;250 To 500, Deduct</i>	-1.10	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.84	
			<i>For &gt;1,000, Deduct</i>	-2.57	
			<i>For 316 Stainless Steel, Add</i>	47.97	
			<i>For Aluminum, Add</i>	2.70	
			<i>For Galvanized Steel, Add</i>	9.29	
			<i>For 304 Stainless Steel, Add</i>	42.72	
05 12 23 00-0644	LF		10" Junior I-Beam, 9 LB/LF .....	29.05	6.21
			<i>For &gt;100 To 250, Deduct</i>	-0.62	
			<i>For &gt;250 To 500, Deduct</i>	-1.35	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.28	
			<i>For &gt;1,000, Deduct</i>	-3.22	
			<i>For 316 Stainless Steel, Add</i>	66.43	
			<i>For Aluminum, Add</i>	3.74	
			<i>For Galvanized Steel, Add</i>	12.87	
			<i>For 304 Stainless Steel, Add</i>	59.17	
05 12 23 00-0645	LF		12" Junior I-Beam, 11.8 LB/LF .....	37.06	7.38
			<i>For &gt;100 To 250, Deduct</i>	-0.74	
			<i>For &gt;250 To 500, Deduct</i>	-1.66	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.84	
			<i>For &gt;1,000, Deduct</i>	-4.01	
			<i>For 316 Stainless Steel, Add</i>	87.10	
			<i>For Aluminum, Add</i>	4.90	
			<i>For Galvanized Steel, Add</i>	16.88	
			<i>For 304 Stainless Steel, Add</i>	77.58	
05 12 23 00-0646			Round Stock <small>(05 12 23 00-0438)</small> .....		
05 12 23 00-0647	LF		1/4" Carbon Steel Rounds, ASTM A108 .....	1.41	
			<i>For 316 Stainless Steel, Add</i>	2.43	
			<i>For Aluminum, Add</i>	0.14	
			<i>For Galvanized Steel, Add</i>	0.47	
			<i>For 304 Stainless Steel, Add</i>	2.17	
05 12 23 00-0648	LF		3/8" Carbon Steel Rounds, ASTM A108 .....	2.25	
			<i>For 316 Stainless Steel, Add</i>	4.83	
			<i>For Aluminum, Add</i>	0.27	
			<i>For Galvanized Steel, Add</i>	0.94	
			<i>For 304 Stainless Steel, Add</i>	4.30	
05 12 23 00-0649	LF		1/2" Carbon Steel Rounds, ASTM A108 .....	3.10	
			<i>For 316 Stainless Steel, Add</i>	7.33	
			<i>For Aluminum, Add</i>	0.41	
			<i>For Galvanized Steel, Add</i>	1.42	
			<i>For 304 Stainless Steel, Add</i>	6.53	
05 12 23 00-0650	LF		5/8" Carbon Steel Rounds, ASTM A108 .....	4.72	
			<i>For 316 Stainless Steel, Add</i>	12.22	
			<i>For Aluminum, Add</i>	0.69	
			<i>For Galvanized Steel, Add</i>	2.37	
			<i>For 304 Stainless Steel, Add</i>	10.89	
05 12 23 00-0651	LF		3/4" Carbon Steel Rounds, ASTM A108 .....	5.62	
			<i>For 316 Stainless Steel, Add</i>	14.53	
			<i>For Aluminum, Add</i>	0.82	
			<i>For Galvanized Steel, Add</i>	2.81	
			<i>For 304 Stainless Steel, Add</i>	12.94	
05 12 23 00-0652	LF		7/8" Carbon Steel Rounds, ASTM A108 .....	6.54	
			<i>For 316 Stainless Steel, Add</i>	16.96	
			<i>For Aluminum, Add</i>	0.95	
			<i>For Galvanized Steel, Add</i>	3.29	
			<i>For 304 Stainless Steel, Add</i>	15.11	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0653	LF		1" Carbon Steel Rounds, ASTM A108.....	9.55	
			<i>For 316 Stainless Steel, Add</i>	25.86	
			<i>For Aluminum, Add</i>	1.45	
			<i>For Galvanized Steel, Add</i>	5.01	
			<i>For 304 Stainless Steel, Add</i>	23.03	
05 12 23 00-0654	LF		1-1/8" Carbon Steel Rounds, ASTM A108.....	11.62	
			<i>For 316 Stainless Steel, Add</i>	31.42	
			<i>For Aluminum, Add</i>	1.77	
			<i>For Galvanized Steel, Add</i>	6.09	
			<i>For 304 Stainless Steel, Add</i>	27.99	
05 12 23 00-0655	LF		1-1/4" Carbon Steel Rounds, ASTM A108.....	13.87	
			<i>For 316 Stainless Steel, Add</i>	36.99	
			<i>For Aluminum, Add</i>	2.08	
			<i>For Galvanized Steel, Add</i>	7.17	
			<i>For 304 Stainless Steel, Add</i>	32.95	
05 12 23 00-0656	LF		1-3/8" Carbon Steel Rounds, ASTM A108.....	16.80	
			<i>For 316 Stainless Steel, Add</i>	45.12	
			<i>For Aluminum, Add</i>	2.54	
			<i>For Galvanized Steel, Add</i>	8.74	
			<i>For 304 Stainless Steel, Add</i>	40.19	
05 12 23 00-0657	LF		1-1/2" Carbon Steel Rounds, ASTM A108.....	18.71	
			<i>For 316 Stainless Steel, Add</i>	49.50	
			<i>For Aluminum, Add</i>	2.78	
			<i>For Galvanized Steel, Add</i>	9.59	
			<i>For 304 Stainless Steel, Add</i>	44.09	
05 12 23 00-0658	LF		1-5/8" Carbon Steel Rounds, ASTM A108.....	21.57	
			<i>For 316 Stainless Steel, Add</i>	56.10	
			<i>For Aluminum, Add</i>	3.16	
			<i>For Galvanized Steel, Add</i>	10.87	
			<i>For 304 Stainless Steel, Add</i>	49.96	
05 12 23 00-0659	LF		1-3/4" Carbon Steel Rounds, ASTM A108.....	25.80	
			<i>For 316 Stainless Steel, Add</i>	65.28	
			<i>For Aluminum, Add</i>	3.67	
			<i>For Galvanized Steel, Add</i>	12.65	
			<i>For 304 Stainless Steel, Add</i>	58.14	
05 12 23 00-0660	LF		1-7/8" Carbon Steel Rounds, ASTM A108.....	31.02	
			<i>For 316 Stainless Steel, Add</i>	76.48	
			<i>For Aluminum, Add</i>	4.30	
			<i>For Galvanized Steel, Add</i>	14.82	
			<i>For 304 Stainless Steel, Add</i>	68.12	
05 12 23 00-0661	LF		2" Carbon Steel Rounds, ASTM A108.....	35.37	
			<i>For 316 Stainless Steel, Add</i>	85.09	
			<i>For Aluminum, Add</i>	4.79	
			<i>For Galvanized Steel, Add</i>	16.49	
			<i>For 304 Stainless Steel, Add</i>	75.78	
05 12 23 00-0662	LF		2-1/8" Carbon Steel Rounds, ASTM A108.....	41.27	
			<i>For 316 Stainless Steel, Add</i>	97.15	
			<i>For Aluminum, Add</i>	5.46	
			<i>For Galvanized Steel, Add</i>	18.82	
			<i>For 304 Stainless Steel, Add</i>	86.53	
05 12 23 00-0663	LF		2-1/4" Carbon Steel Rounds, ASTM A108.....	46.69	
			<i>For 316 Stainless Steel, Add</i>	109.25	
			<i>For Aluminum, Add</i>	6.15	
			<i>For Galvanized Steel, Add</i>	21.17	
			<i>For 304 Stainless Steel, Add</i>	97.30	
05 12 23 00-0664	LF		2-3/8" Carbon Steel Rounds, ASTM A108.....	53.48	
			<i>For 316 Stainless Steel, Add</i>	124.96	
			<i>For Aluminum, Add</i>	7.03	
			<i>For Galvanized Steel, Add</i>	24.21	
			<i>For 304 Stainless Steel, Add</i>	111.29	
05 12 23 00-0665	LF		2-1/2" Carbon Steel Rounds, ASTM A108.....	59.03	
			<i>For 316 Stainless Steel, Add</i>	134.66	
			<i>For Aluminum, Add</i>	7.57	
			<i>For Galvanized Steel, Add</i>	26.09	
			<i>For 304 Stainless Steel, Add</i>	119.93	
05 12 23 00-0666	LF		2-5/8" Carbon Steel Rounds, ASTM A108.....	72.29	
			<i>For 316 Stainless Steel, Add</i>	171.07	
			<i>For Aluminum, Add</i>	9.62	
			<i>For Galvanized Steel, Add</i>	33.15	
			<i>For 304 Stainless Steel, Add</i>	152.36	
05 12 23 00-0667	LF		2-3/4" Carbon Steel Rounds, ASTM A108.....	82.30	
			<i>For 316 Stainless Steel, Add</i>	195.07	
			<i>For Aluminum, Add</i>	10.97	
			<i>For Galvanized Steel, Add</i>	37.80	
			<i>For 304 Stainless Steel, Add</i>	173.74	
05 12 23 00-0668	LF		2-7/8" Carbon Steel Rounds, ASTM A108.....	91.78	
			<i>For 316 Stainless Steel, Add</i>	217.38	
			<i>For Aluminum, Add</i>	12.23	
			<i>For Galvanized Steel, Add</i>	42.12	
			<i>For 304 Stainless Steel, Add</i>	193.60	
05 12 23 00-0669	LF		3" Carbon Steel Rounds, ASTM A108.....	96.33	
			<i>For 316 Stainless Steel, Add</i>	223.90	
			<i>For Aluminum, Add</i>	12.59	
			<i>For Galvanized Steel, Add</i>	43.38	
			<i>For 304 Stainless Steel, Add</i>	199.41	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0670	LF		3-1/8" Carbon Steel Rounds, ASTM A108.....	100.39	
			<i>For 316 Stainless Steel, Add</i>	228.86	
			<i>For Aluminum, Add</i>	12.87	
			<i>For Galvanized Steel, Add</i>	44.34	
			<i>For 304 Stainless Steel, Add</i>	203.83	
05 12 23 00-0671	LF		3-1/4" Carbon Steel Rounds, ASTM A108.....	105.82	
			<i>For 316 Stainless Steel, Add</i>	238.21	
			<i>For Aluminum, Add</i>	13.40	
			<i>For Galvanized Steel, Add</i>	46.15	
			<i>For 304 Stainless Steel, Add</i>	212.15	
05 12 23 00-0672	LF		3-1/2" Carbon Steel Rounds, ASTM A108.....	128.97	
			<i>For 316 Stainless Steel, Add</i>	302.24	
			<i>For Aluminum, Add</i>	17.00	
			<i>For Galvanized Steel, Add</i>	58.56	
			<i>For 304 Stainless Steel, Add</i>	269.18	
05 12 23 00-0673	LF		3-5/8" Carbon Steel Rounds, ASTM A108.....	143.33	
			<i>For 316 Stainless Steel, Add</i>	338.11	
			<i>For Aluminum, Add</i>	19.02	
			<i>For Galvanized Steel, Add</i>	65.51	
			<i>For 304 Stainless Steel, Add</i>	301.13	
05 12 23 00-0674	LF		3-3/4" Carbon Steel Rounds, ASTM A108.....	153.84	
			<i>For 316 Stainless Steel, Add</i>	361.70	
			<i>For Aluminum, Add</i>	20.35	
			<i>For Galvanized Steel, Add</i>	70.08	
			<i>For 304 Stainless Steel, Add</i>	322.14	
05 12 23 00-0675	LF		4" Carbon Steel Rounds, ASTM A108.....	172.62	
			<i>For 316 Stainless Steel, Add</i>	411.78	
			<i>For Aluminum, Add</i>	23.16	
			<i>For Galvanized Steel, Add</i>	79.78	
			<i>For 304 Stainless Steel, Add</i>	366.74	
<b>05 12 23 00-0676</b>			<b>Square Stock</b> (05 12 23 00-0438)		
05 12 23 00-0677	LF		3/8" Square Bar Stock.....	1.25	
			<i>For 316 Stainless Steel, Add</i>	1.63	
			<i>For Aluminum, Add</i>	0.09	
			<i>For Galvanized Steel, Add</i>	0.32	
			<i>For 304 Stainless Steel, Add</i>	1.45	
05 12 23 00-0678	LF		1/2" Square Bar Stock.....	1.72	
			<i>For 316 Stainless Steel, Add</i>	2.91	
			<i>For Aluminum, Add</i>	0.16	
			<i>For Galvanized Steel, Add</i>	0.56	
			<i>For 304 Stainless Steel, Add</i>	2.59	
05 12 23 00-0679	LF		5/8" Square Bar Stock.....	2.32	
			<i>For 316 Stainless Steel, Add</i>	4.54	
			<i>For Aluminum, Add</i>	0.26	
			<i>For Galvanized Steel, Add</i>	0.88	
			<i>For 304 Stainless Steel, Add</i>	4.05	
05 12 23 00-0680	LF		3/4" Square Bar Stock.....	3.12	
			<i>For 316 Stainless Steel, Add</i>	6.53	
			<i>For Aluminum, Add</i>	0.37	
			<i>For Galvanized Steel, Add</i>	1.26	
			<i>For 304 Stainless Steel, Add</i>	5.81	
05 12 23 00-0681	LF		7/8" Square Bar Stock.....	4.09	
			<i>For 316 Stainless Steel, Add</i>	9.12	
			<i>For Aluminum, Add</i>	0.51	
			<i>For Galvanized Steel, Add</i>	1.77	
			<i>For 304 Stainless Steel, Add</i>	8.12	
05 12 23 00-0682	LF		1" Square Bar Stock.....	5.11	
			<i>For 316 Stainless Steel, Add</i>	11.65	
			<i>For Aluminum, Add</i>	0.66	
			<i>For Galvanized Steel, Add</i>	2.26	
			<i>For 304 Stainless Steel, Add</i>	10.37	
05 12 23 00-0683	LF		1-1/4" Square Bar Stock.....	7.99	
			<i>For 316 Stainless Steel, Add</i>	18.18	
			<i>For Aluminum, Add</i>	1.02	
			<i>For Galvanized Steel, Add</i>	3.52	
			<i>For 304 Stainless Steel, Add</i>	16.19	
05 12 23 00-0684	LF		1-1/2" Square Bar Stock.....	11.43	
			<i>For 316 Stainless Steel, Add</i>	26.21	
			<i>For Aluminum, Add</i>	1.47	
			<i>For Galvanized Steel, Add</i>	5.08	
			<i>For 304 Stainless Steel, Add</i>	23.34	
05 12 23 00-0685	LF		1-3/4" Square Bar Stock.....	16.78	
			<i>For 316 Stainless Steel, Add</i>	36.42	
			<i>For Aluminum, Add</i>	2.05	
			<i>For Galvanized Steel, Add</i>	7.06	
			<i>For 304 Stainless Steel, Add</i>	32.43	
05 12 23 00-0686	LF		2" Square Bar Stock.....	23.63	
			<i>For 316 Stainless Steel, Add</i>	46.59	
			<i>For Aluminum, Add</i>	2.62	
			<i>For Galvanized Steel, Add</i>	9.03	
			<i>For 304 Stainless Steel, Add</i>	41.50	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0687 Steel Tubing <small>(05 12 23 00-0438)</small> Note: General purpose low-carbon steel.		
05 12 23 00-0688 Square Steel Tubing <small>(05 12 23 00-0687)</small>		
05 12 23 00-0689 0.06" Wall Thickness <small>(05 12 23 00-0688)</small>		
05 12 23 00-0690 LF 1/2" x 1/2" x 0.06" Square Steel Tubing.....	1.80	0.35
For >100 To 250, Deduct	-0.03	
For >250 To 500, Deduct	-0.08	
For >500 To 1,000, Deduct	-0.14	
For >1,000, Deduct	-0.19	
For 316 Stainless Steel, Add	4.29	
For Aluminum, Add	0.24	
For Galvanized Steel, Add	0.83	
For 304 Stainless Steel, Add	3.82	
05 12 23 00-0691 LF 3/4" x 3/4" x 0.06" Square Steel Tubing.....	2.77	0.54
For >100 To 250, Deduct	-0.05	
For >250 To 500, Deduct	-0.12	
For >500 To 1,000, Deduct	-0.21	
For >1,000, Deduct	-0.30	
For 316 Stainless Steel, Add	6.53	
For Aluminum, Add	0.37	
For Galvanized Steel, Add	1.26	
For 304 Stainless Steel, Add	5.81	
05 12 23 00-0692 LF 1" x 1" x 0.06" Square Steel Tubing.....	3.73	1.00
For >100 To 250, Deduct	-0.08	
For >250 To 500, Deduct	-0.17	
For >500 To 1,000, Deduct	-0.29	
For >1,000, Deduct	-0.40	
For 316 Stainless Steel, Add	8.74	
For Aluminum, Add	0.49	
For Galvanized Steel, Add	1.69	
For 304 Stainless Steel, Add	7.78	
05 12 23 00-0693 LF 1-1/4" x 1-1/4" x 0.06" Square Steel Tubing.....	4.93	0.95
For >100 To 250, Deduct	-0.09	
For >250 To 500, Deduct	-0.22	
For >500 To 1,000, Deduct	-0.37	
For >1,000, Deduct	-0.53	
For 316 Stainless Steel, Add	11.74	
For Aluminum, Add	0.66	
For Galvanized Steel, Add	2.28	
For 304 Stainless Steel, Add	10.46	
05 12 23 00-0694 LF 1-1/2" x 1-1/2" x 0.06" Square Steel Tubing.....	5.83	1.14
For >100 To 250, Deduct	-0.11	
For >250 To 500, Deduct	-0.26	
For >500 To 1,000, Deduct	-0.44	
For >1,000, Deduct	-0.63	
For 316 Stainless Steel, Add	13.79	
For Aluminum, Add	0.78	
For Galvanized Steel, Add	2.67	
For 304 Stainless Steel, Add	12.28	
05 12 23 00-0695 0.083" Wall Thickness <small>(05 12 23 00-0688)</small>		
05 12 23 00-0696 LF 3/4" x 3/4" x 0.083" Square Steel Tubing.....	3.22	0.65
For >100 To 250, Deduct	-0.06	
For >250 To 500, Deduct	-0.15	
For >500 To 1,000, Deduct	-0.25	
For >1,000, Deduct	-0.35	
For 316 Stainless Steel, Add	7.55	
For Aluminum, Add	0.42	
For Galvanized Steel, Add	1.46	
For 304 Stainless Steel, Add	6.73	
05 12 23 00-0697 LF 1" x 1" x 0.083" Square Steel Tubing.....	4.71	0.88
For >100 To 250, Deduct	-0.09	
For >250 To 500, Deduct	-0.21	
For >500 To 1,000, Deduct	-0.35	
For >1,000, Deduct	-0.50	
For 316 Stainless Steel, Add	11.33	
For Aluminum, Add	0.64	
For Galvanized Steel, Add	2.19	
For 304 Stainless Steel, Add	10.09	
05 12 23 00-0698 LF 1-1/4" x 1-1/4" x 0.083" Square Steel Tubing.....	5.66	1.12
For >100 To 250, Deduct	-0.11	
For >250 To 500, Deduct	-0.25	
For >500 To 1,000, Deduct	-0.43	
For >1,000, Deduct	-0.61	
For 316 Stainless Steel, Add	13.34	
For Aluminum, Add	0.75	
For Galvanized Steel, Add	2.59	
For 304 Stainless Steel, Add	11.88	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0699	LF		1-1/2" x 1-1/2" x 0.083" Square Steel Tubing.....	6.86	1.36
			<i>For &gt;100 To 250, Deduct</i>	-0.14	
			<i>For &gt;250 To 500, Deduct</i>	-0.31	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.53	
			<i>For &gt;1,000, Deduct</i>	-0.74	
			<i>For 316 Stainless Steel, Add</i>	16.13	
			<i>For Aluminum, Add</i>	0.91	
			<i>For Galvanized Steel, Add</i>	3.12	
			<i>For 304 Stainless Steel, Add</i>	14.36	
05 12 23 00-0700	LF		2" x 2" x 0.083" Square Steel Tubing.....	8.76	1.82
			<i>For &gt;100 To 250, Deduct</i>	-0.18	
			<i>For &gt;250 To 500, Deduct</i>	-0.40	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.68	
			<i>For &gt;1,000, Deduct</i>	-0.96	
			<i>For 316 Stainless Steel, Add</i>	20.29	
			<i>For Aluminum, Add</i>	1.14	
			<i>For Galvanized Steel, Add</i>	3.93	
			<i>For 304 Stainless Steel, Add</i>	18.07	
<b>05 12 23 00-0701</b>			<b>0.12" Wall Thickness</b> (05 12 23 00-0688)		
05 12 23 00-0702	LF		1" x 1" x 0.12" Square Steel Tubing.....	5.16	1.05
			<i>For &gt;100 To 250, Deduct</i>	-0.10	
			<i>For &gt;250 To 500, Deduct</i>	-0.23	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.40	
			<i>For &gt;1,000, Deduct</i>	-0.56	
			<i>For 316 Stainless Steel, Add</i>	12.06	
			<i>For Aluminum, Add</i>	0.68	
			<i>For Galvanized Steel, Add</i>	2.34	
			<i>For 304 Stainless Steel, Add</i>	10.74	
05 12 23 00-0703	LF		1-1/4" x 1-1/4" x 0.12" Square Steel Tubing.....	6.66	1.34
			<i>For &gt;100 To 250, Deduct</i>	-0.14	
			<i>For &gt;250 To 500, Deduct</i>	-0.30	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.51	
			<i>For &gt;1,000, Deduct</i>	-0.72	
			<i>For 316 Stainless Steel, Add</i>	15.55	
			<i>For Aluminum, Add</i>	0.87	
			<i>For Galvanized Steel, Add</i>	3.01	
			<i>For 304 Stainless Steel, Add</i>	13.85	
05 12 23 00-0704	LF		1-1/2" x 1-1/2" x 0.12" Square Steel Tubing.....	8.17	1.64
			<i>For &gt;100 To 250, Deduct</i>	-0.16	
			<i>For &gt;250 To 500, Deduct</i>	-0.37	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.63	
			<i>For &gt;1,000, Deduct</i>	-0.89	
			<i>For 316 Stainless Steel, Add</i>	19.14	
			<i>For Aluminum, Add</i>	1.08	
			<i>For Galvanized Steel, Add</i>	3.71	
			<i>For 304 Stainless Steel, Add</i>	17.04	
05 12 23 00-0705	LF		2" x 2" x 0.12" Square Steel Tubing.....	11.07	2.24
			<i>For &gt;100 To 250, Deduct</i>	-0.22	
			<i>For &gt;250 To 500, Deduct</i>	-0.50	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.85	
			<i>For &gt;1,000, Deduct</i>	-1.20	
			<i>For 316 Stainless Steel, Add</i>	25.86	
			<i>For Aluminum, Add</i>	1.45	
			<i>For Galvanized Steel, Add</i>	5.01	
			<i>For 304 Stainless Steel, Add</i>	23.03	
<b>05 12 23 00-0706</b>			<b>1/8" Wall Thickness</b> (05 12 23 00-0688)		
05 12 23 00-0707	LF		2" x 2" x 1/8" Square Steel Tubing.....	9.83	2.32
			<i>For &gt;100 To 250, Deduct</i>	-0.23	
			<i>For &gt;250 To 500, Deduct</i>	-0.48	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.80	
			<i>For &gt;1,000, Deduct</i>	-1.12	
			<i>For 316 Stainless Steel, Add</i>	21.54	
			<i>For Aluminum, Add</i>	1.21	
			<i>For Galvanized Steel, Add</i>	4.17	
			<i>For 304 Stainless Steel, Add</i>	19.18	
05 12 23 00-0708	LF		2-1/2" x 2-1/2" x 1/8" Square Steel Tubing.....	13.01	2.95
			<i>For &gt;100 To 250, Deduct</i>	-0.29	
			<i>For &gt;250 To 500, Deduct</i>	-0.62	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.04	
			<i>For &gt;1,000, Deduct</i>	-1.47	
			<i>For 316 Stainless Steel, Add</i>	29.09	
			<i>For Aluminum, Add</i>	1.64	
			<i>For Galvanized Steel, Add</i>	5.64	
			<i>For 304 Stainless Steel, Add</i>	25.91	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0709	LF		3" x 3" x 1/8" Square Steel Tubing.....	15.21	3.56
			<i>For &gt;100 To 250, Deduct</i>	-0.36	
			<i>For &gt;250 To 500, Deduct</i>	-0.74	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.24	
			<i>For &gt;1,000, Deduct</i>	-1.73	
			<i>For 316 Stainless Steel, Add</i>	33.47	
			<i>For Aluminum, Add</i>	1.88	
			<i>For Galvanized Steel, Add</i>	6.49	
			<i>For 304 Stainless Steel, Add</i>	29.81	
05 12 23 00-0710	LF		3-1/2" x 3-1/2" x 1/8" Square Steel Tubing .....	17.60	4.19
			<i>For &gt;100 To 250, Deduct</i>	-0.42	
			<i>For &gt;250 To 500, Deduct</i>	-0.86	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.44	
			<i>For &gt;1,000, Deduct</i>	-2.02	
			<i>For 316 Stainless Steel, Add</i>	38.46	
			<i>For Aluminum, Add</i>	2.16	
			<i>For Galvanized Steel, Add</i>	7.45	
			<i>For 304 Stainless Steel, Add</i>	34.26	
05 12 23 00-0711	LF		4" x 4" x 1/8" Square Steel Tubing.....	19.32	4.80
			<i>For &gt;100 To 250, Deduct</i>	-0.48	
			<i>For &gt;250 To 500, Deduct</i>	-0.96	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.61	
			<i>For &gt;1,000, Deduct</i>	-2.25	
			<i>For 316 Stainless Steel, Add</i>	41.31	
			<i>For Aluminum, Add</i>	2.32	
			<i>For Galvanized Steel, Add</i>	8.00	
			<i>For 304 Stainless Steel, Add</i>	36.79	
<b>05 12 23 00-0712</b>			<b>3/16" Wall Thickness (05 12 23 00-0688)</b>		
05 12 23 00-0713	LF		2" x 2" x 3/16" Square Steel Tubing.....	11.16	2.62
			<i>For &gt;100 To 250, Deduct</i>	-0.26	
			<i>For &gt;250 To 500, Deduct</i>	-0.54	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.91	
			<i>For &gt;1,000, Deduct</i>	-1.27	
			<i>For 316 Stainless Steel, Add</i>	24.51	
			<i>For Aluminum, Add</i>	1.38	
			<i>For Galvanized Steel, Add</i>	4.75	
			<i>For 304 Stainless Steel, Add</i>	21.83	
05 12 23 00-0714	LF		2-1/2" x 2-1/2" x 3/16" Square Steel Tubing .....	14.44	3.39
			<i>For &gt;100 To 250, Deduct</i>	-0.34	
			<i>For &gt;250 To 500, Deduct</i>	-0.70	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.18	
			<i>For &gt;1,000, Deduct</i>	-1.65	
			<i>For 316 Stainless Steel, Add</i>	31.71	
			<i>For Aluminum, Add</i>	1.78	
			<i>For Galvanized Steel, Add</i>	6.14	
			<i>For 304 Stainless Steel, Add</i>	28.24	
05 12 23 00-0715	LF		3" x 3" x 3/16" Square Steel Tubing.....	17.74	4.18
			<i>For &gt;100 To 250, Deduct</i>	-0.42	
			<i>For &gt;250 To 500, Deduct</i>	-0.86	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.44	
			<i>For &gt;1,000, Deduct</i>	-2.03	
			<i>For 316 Stainless Steel, Add</i>	38.98	
			<i>For Aluminum, Add</i>	2.19	
			<i>For Galvanized Steel, Add</i>	7.55	
			<i>For 304 Stainless Steel, Add</i>	34.71	
05 12 23 00-0716	LF		3-1/2" x 3-1/2" x 3/16" Square Steel Tubing .....	21.05	4.95
			<i>For &gt;100 To 250, Deduct</i>	-0.50	
			<i>For &gt;250 To 500, Deduct</i>	-1.02	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.71	
			<i>For &gt;1,000, Deduct</i>	-2.40	
			<i>For 316 Stainless Steel, Add</i>	46.24	
			<i>For Aluminum, Add</i>	2.60	
			<i>For Galvanized Steel, Add</i>	8.96	
			<i>For 304 Stainless Steel, Add</i>	41.18	
05 12 23 00-0717	LF		4" x 4" x 3/16" Square Steel Tubing.....	24.34	5.72
			<i>For &gt;100 To 250, Deduct</i>	-0.57	
			<i>For &gt;250 To 500, Deduct</i>	-1.18	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.98	
			<i>For &gt;1,000, Deduct</i>	-2.78	
			<i>For 316 Stainless Steel, Add</i>	53.47	
			<i>For Aluminum, Add</i>	3.01	
			<i>For Galvanized Steel, Add</i>	10.36	
			<i>For 304 Stainless Steel, Add</i>	47.62	
05 12 23 00-0718	LF		4-1/2" x 4-1/2" x 3/16" Square Steel Tubing .....	27.64	6.50
			<i>For &gt;100 To 250, Deduct</i>	-0.65	
			<i>For &gt;250 To 500, Deduct</i>	-1.34	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.25	
			<i>For &gt;1,000, Deduct</i>	-3.16	
			<i>For 316 Stainless Steel, Add</i>	60.74	
			<i>For Aluminum, Add</i>	3.42	
			<i>For Galvanized Steel, Add</i>	11.77	
			<i>For 304 Stainless Steel, Add</i>	54.09	



## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0719	LF		5" x 5" x 3/16" Square Steel Tubing.....	30.92	7.26
			For >100 To 250, Deduct	-0.73	
			For >250 To 500, Deduct	-1.50	
			For >500 To 1,000, Deduct	-2.52	
			For >1,000, Deduct	-3.53	
			For 316 Stainless Steel, Add	67.94	
			For Aluminum, Add	3.82	
			For Galvanized Steel, Add	13.16	
			For 304 Stainless Steel, Add	60.51	
05 12 23 00-0720	LF		6" x 6" x 3/16" Square Steel Tubing.....	37.53	8.83
			For >100 To 250, Deduct	-0.88	
			For >250 To 500, Deduct	-1.82	
			For >500 To 1,000, Deduct	-3.05	
			For >1,000, Deduct	-4.28	
			For 316 Stainless Steel, Add	82.46	
			For Aluminum, Add	4.64	
			For Galvanized Steel, Add	15.98	
			For 304 Stainless Steel, Add	73.44	
05 12 23 00-0721			1/4" Wall Thickness (05 12 23 00-0688)		
05 12 23 00-0722	LF		2" x 2" x 1/4" Square Steel Tubing.....	11.97	2.63
			For >100 To 250, Deduct	-0.26	
			For >250 To 500, Deduct	-0.56	
			For >500 To 1,000, Deduct	-0.95	
			For >1,000, Deduct	-1.34	
			For 316 Stainless Steel, Add	27.10	
			For Aluminum, Add	1.52	
			For Galvanized Steel, Add	5.25	
			For 304 Stainless Steel, Add	24.14	
05 12 23 00-0723	LF		2-1/2" x 2-1/2" x 1/4" Square Steel Tubing.....	15.73	3.45
			For >100 To 250, Deduct	-0.35	
			For >250 To 500, Deduct	-0.74	
			For >500 To 1,000, Deduct	-1.25	
			For >1,000, Deduct	-1.75	
			For 316 Stainless Steel, Add	35.62	
			For Aluminum, Add	2.00	
			For Galvanized Steel, Add	6.90	
			For 304 Stainless Steel, Add	31.72	
05 12 23 00-0724	LF		3" x 3" x 1/4" Square Steel Tubing.....	19.50	4.28
			For >100 To 250, Deduct	-0.43	
			For >250 To 500, Deduct	-0.92	
			For >500 To 1,000, Deduct	-1.55	
			For >1,000, Deduct	-2.18	
			For 316 Stainless Steel, Add	44.13	
			For Aluminum, Add	2.48	
			For Galvanized Steel, Add	8.55	
			For 304 Stainless Steel, Add	39.30	
05 12 23 00-0725	LF		3-1/2" x 3-1/2" x 1/4" Square Steel Tubing.....	23.26	5.10
			For >100 To 250, Deduct	-0.51	
			For >250 To 500, Deduct	-1.09	
			For >500 To 1,000, Deduct	-1.84	
			For >1,000, Deduct	-2.60	
			For 316 Stainless Steel, Add	52.64	
			For Aluminum, Add	2.96	
			For Galvanized Steel, Add	10.20	
			For 304 Stainless Steel, Add	46.88	
05 12 23 00-0726	LF		4" x 4" x 1/4" Square Steel Tubing.....	27.02	5.93
			For >100 To 250, Deduct	-0.59	
			For >250 To 500, Deduct	-1.27	
			For >500 To 1,000, Deduct	-2.14	
			For >1,000, Deduct	-3.02	
			For 316 Stainless Steel, Add	61.15	
			For Aluminum, Add	3.44	
			For Galvanized Steel, Add	11.85	
			For 304 Stainless Steel, Add	54.46	
05 12 23 00-0727	LF		4-1/2" x 4-1/2" x 1/4" Square Steel Tubing.....	30.78	6.76
			For >100 To 250, Deduct	-0.68	
			For >250 To 500, Deduct	-1.45	
			For >500 To 1,000, Deduct	-2.44	
			For >1,000, Deduct	-3.43	
			For 316 Stainless Steel, Add	69.66	
			For Aluminum, Add	3.92	
			For Galvanized Steel, Add	13.50	
			For 304 Stainless Steel, Add	62.04	
05 12 23 00-0728	LF		5" x 5" x 1/4" Square Steel Tubing.....	34.57	7.59
			For >100 To 250, Deduct	-0.76	
			For >250 To 500, Deduct	-1.62	
			For >500 To 1,000, Deduct	-2.74	
			For >1,000, Deduct	-3.86	
			For 316 Stainless Steel, Add	78.24	
			For Aluminum, Add	4.40	
			For Galvanized Steel, Add	15.16	
			For 304 Stainless Steel, Add	69.68	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0729	LF		6" x 6" x 1/4" Square Steel Tubing.....	42.09	9.24
			<i>For &gt;100 To 250, Deduct</i>	-0.92	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.34	
			<i>For &gt;1,000, Deduct</i>	-4.70	
			<i>For 316 Stainless Steel, Add</i>	95.26	
			<i>For Aluminum, Add</i>	5.36	
			<i>For Galvanized Steel, Add</i>	18.46	
			<i>For 304 Stainless Steel, Add</i>	84.84	
05 12 23 00-0730			Rectangular Steel Tubing (05 12 23 00-0687)		
05 12 23 00-0731			3/16" Wall Thickness (05 12 23 00-0730)		
05 12 23 00-0732	LF		3" x 2" x 3/16" Square Steel Tubing.....	14.44	3.39
			<i>For &gt;100 To 250, Deduct</i>	-0.34	
			<i>For &gt;250 To 500, Deduct</i>	-0.70	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.18	
			<i>For &gt;1,000, Deduct</i>	-1.65	
			<i>For 316 Stainless Steel, Add</i>	31.71	
			<i>For Aluminum, Add</i>	1.78	
			<i>For Galvanized Steel, Add</i>	6.14	
			<i>For 304 Stainless Steel, Add</i>	28.24	
05 12 23 00-0733	LF		4" x 2" x 3/16" Square Steel Tubing.....	17.74	4.18
			<i>For &gt;100 To 250, Deduct</i>	-0.42	
			<i>For &gt;250 To 500, Deduct</i>	-0.86	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.44	
			<i>For &gt;1,000, Deduct</i>	-2.03	
			<i>For 316 Stainless Steel, Add</i>	38.98	
			<i>For Aluminum, Add</i>	2.19	
			<i>For Galvanized Steel, Add</i>	7.55	
			<i>For 304 Stainless Steel, Add</i>	34.71	
05 12 23 00-0734	LF		4" x 3" x 3/16" Square Steel Tubing.....	21.05	4.95
			<i>For &gt;100 To 250, Deduct</i>	-0.50	
			<i>For &gt;250 To 500, Deduct</i>	-1.02	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.71	
			<i>For &gt;1,000, Deduct</i>	-2.40	
			<i>For 316 Stainless Steel, Add</i>	46.24	
			<i>For Aluminum, Add</i>	2.60	
			<i>For Galvanized Steel, Add</i>	8.96	
			<i>For 304 Stainless Steel, Add</i>	41.18	
05 12 23 00-0735	LF		5" x 2" x 3/16" Square Steel Tubing.....	21.05	4.95
			<i>For &gt;100 To 250, Deduct</i>	-0.50	
			<i>For &gt;250 To 500, Deduct</i>	-1.02	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.71	
			<i>For &gt;1,000, Deduct</i>	-2.40	
			<i>For 316 Stainless Steel, Add</i>	46.24	
			<i>For Aluminum, Add</i>	2.60	
			<i>For Galvanized Steel, Add</i>	8.96	
			<i>For 304 Stainless Steel, Add</i>	41.18	
05 12 23 00-0736	LF		5" x 3" x 3/16" Square Steel Tubing.....	24.34	5.72
			<i>For &gt;100 To 250, Deduct</i>	-0.57	
			<i>For &gt;250 To 500, Deduct</i>	-1.18	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.98	
			<i>For &gt;1,000, Deduct</i>	-2.78	
			<i>For 316 Stainless Steel, Add</i>	53.47	
			<i>For Aluminum, Add</i>	3.01	
			<i>For Galvanized Steel, Add</i>	10.36	
			<i>For 304 Stainless Steel, Add</i>	47.62	
05 12 23 00-0737	LF		5" x 4" x 3/16" Square Steel Tubing.....	27.64	6.50
			<i>For &gt;100 To 250, Deduct</i>	-0.65	
			<i>For &gt;250 To 500, Deduct</i>	-1.34	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.25	
			<i>For &gt;1,000, Deduct</i>	-3.16	
			<i>For 316 Stainless Steel, Add</i>	60.74	
			<i>For Aluminum, Add</i>	3.42	
			<i>For Galvanized Steel, Add</i>	11.77	
			<i>For 304 Stainless Steel, Add</i>	54.09	
05 12 23 00-0738	LF		6" x 2" x 3/16" Square Steel Tubing.....	24.34	5.72
			<i>For &gt;100 To 250, Deduct</i>	-0.57	
			<i>For &gt;250 To 500, Deduct</i>	-1.18	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.98	
			<i>For &gt;1,000, Deduct</i>	-2.78	
			<i>For 316 Stainless Steel, Add</i>	53.47	
			<i>For Aluminum, Add</i>	3.01	
			<i>For Galvanized Steel, Add</i>	10.36	
			<i>For 304 Stainless Steel, Add</i>	47.62	
05 12 23 00-0739	LF		6" x 3" x 3/16" Square Steel Tubing.....	27.64	6.50
			<i>For &gt;100 To 250, Deduct</i>	-0.65	
			<i>For &gt;250 To 500, Deduct</i>	-1.34	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.25	
			<i>For &gt;1,000, Deduct</i>	-3.16	
			<i>For 316 Stainless Steel, Add</i>	60.74	
			<i>For Aluminum, Add</i>	3.42	
			<i>For Galvanized Steel, Add</i>	11.77	
			<i>For 304 Stainless Steel, Add</i>	54.09	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0740	LF		6" x 4" x 3/16" Square Steel Tubing.....	30.92	7.26
			<i>For &gt;100 To 250, Deduct</i>	-0.73	
			<i>For &gt;250 To 500, Deduct</i>	-1.50	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.52	
			<i>For &gt;1,000, Deduct</i>	-3.53	
			<i>For 316 Stainless Steel, Add</i>	67.94	
			<i>For Aluminum, Add</i>	3.82	
			<i>For Galvanized Steel, Add</i>	13.16	
			<i>For 304 Stainless Steel, Add</i>	60.51	
<b>05 12 23 00-0741</b>			<b>1/4" Wall Thickness</b> (05 12 23 00-0730)		
05 12 23 00-0742	LF		3" x 2" x 1/4" Square Steel Tubing.....	15.73	3.45
			<i>For &gt;100 To 250, Deduct</i>	-0.35	
			<i>For &gt;250 To 500, Deduct</i>	-0.74	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.25	
			<i>For &gt;1,000, Deduct</i>	-1.75	
			<i>For 316 Stainless Steel, Add</i>	35.62	
			<i>For Aluminum, Add</i>	2.00	
			<i>For Galvanized Steel, Add</i>	6.90	
			<i>For 304 Stainless Steel, Add</i>	31.72	
05 12 23 00-0743	LF		4" x 2" x 1/4" Square Steel Tubing.....	19.50	4.28
			<i>For &gt;100 To 250, Deduct</i>	-0.43	
			<i>For &gt;250 To 500, Deduct</i>	-0.92	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.55	
			<i>For &gt;1,000, Deduct</i>	-2.18	
			<i>For 316 Stainless Steel, Add</i>	44.13	
			<i>For Aluminum, Add</i>	2.48	
			<i>For Galvanized Steel, Add</i>	8.55	
			<i>For 304 Stainless Steel, Add</i>	39.30	
05 12 23 00-0744	LF		4" x 3" x 1/4" Square Steel Tubing.....	23.26	5.10
			<i>For &gt;100 To 250, Deduct</i>	-0.51	
			<i>For &gt;250 To 500, Deduct</i>	-1.09	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.84	
			<i>For &gt;1,000, Deduct</i>	-2.60	
			<i>For 316 Stainless Steel, Add</i>	52.64	
			<i>For Aluminum, Add</i>	2.96	
			<i>For Galvanized Steel, Add</i>	10.20	
			<i>For 304 Stainless Steel, Add</i>	46.88	
05 12 23 00-0745	LF		5" x 2" x 1/4" Square Steel Tubing.....	23.26	5.10
			<i>For &gt;100 To 250, Deduct</i>	-0.51	
			<i>For &gt;250 To 500, Deduct</i>	-1.09	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.84	
			<i>For &gt;1,000, Deduct</i>	-2.60	
			<i>For 316 Stainless Steel, Add</i>	52.64	
			<i>For Aluminum, Add</i>	2.96	
			<i>For Galvanized Steel, Add</i>	10.20	
			<i>For 304 Stainless Steel, Add</i>	46.88	
05 12 23 00-0746	LF		5" x 3" x 1/4" Square Steel Tubing.....	27.02	5.93
			<i>For &gt;100 To 250, Deduct</i>	-0.59	
			<i>For &gt;250 To 500, Deduct</i>	-1.27	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.14	
			<i>For &gt;1,000, Deduct</i>	-3.02	
			<i>For 316 Stainless Steel, Add</i>	61.15	
			<i>For Aluminum, Add</i>	3.44	
			<i>For Galvanized Steel, Add</i>	11.85	
			<i>For 304 Stainless Steel, Add</i>	54.46	
05 12 23 00-0747	LF		5" x 4" x 1/4" Square Steel Tubing.....	30.78	6.76
			<i>For &gt;100 To 250, Deduct</i>	-0.68	
			<i>For &gt;250 To 500, Deduct</i>	-1.45	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.44	
			<i>For &gt;1,000, Deduct</i>	-3.43	
			<i>For 316 Stainless Steel, Add</i>	69.66	
			<i>For Aluminum, Add</i>	3.92	
			<i>For Galvanized Steel, Add</i>	13.50	
			<i>For 304 Stainless Steel, Add</i>	62.04	
05 12 23 00-0748	LF		6" x 2" x 1/4" Square Steel Tubing.....	27.02	5.93
			<i>For &gt;100 To 250, Deduct</i>	-0.59	
			<i>For &gt;250 To 500, Deduct</i>	-1.27	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.14	
			<i>For &gt;1,000, Deduct</i>	-3.02	
			<i>For 316 Stainless Steel, Add</i>	61.15	
			<i>For Aluminum, Add</i>	3.44	
			<i>For Galvanized Steel, Add</i>	11.85	
			<i>For 304 Stainless Steel, Add</i>	54.46	
05 12 23 00-0749	LF		6" x 3" x 1/4" Square Steel Tubing.....	30.78	6.76
			<i>For &gt;100 To 250, Deduct</i>	-0.68	
			<i>For &gt;250 To 500, Deduct</i>	-1.45	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.44	
			<i>For &gt;1,000, Deduct</i>	-3.43	
			<i>For 316 Stainless Steel, Add</i>	69.66	
			<i>For Aluminum, Add</i>	3.92	
			<i>For Galvanized Steel, Add</i>	13.50	
			<i>For 304 Stainless Steel, Add</i>	62.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0750 LF 6" x 4" x 1/4" Square Steel Tubing.....	34.57	7.59
For >100 To 250, Deduct	-0.76	
For >250 To 500, Deduct	-1.62	
For >500 To 1,000, Deduct	-2.74	
For >1,000, Deduct	-3.86	
For 316 Stainless Steel, Add	78.24	
For Aluminum, Add	4.40	
For Galvanized Steel, Add	15.16	
For 304 Stainless Steel, Add	69.68	
 05 12 23 00-0751 Round Steel Tubing (05 12 23 00-0687)		
05 12 23 00-0752 0.065" Wall Thickness (05 12 23 00-0751)		
05 12 23 00-0753 LF 1" Diameter x 0.065" Round Steel Tubing .....	3.22	0.63
For >100 To 250, Deduct	-0.06	
For >250 To 500, Deduct	-0.14	
For >500 To 1,000, Deduct	-0.25	
For >1,000, Deduct	-0.35	
For 316 Stainless Steel, Add	7.62	
For Aluminum, Add	0.43	
For Galvanized Steel, Add	1.48	
For 304 Stainless Steel, Add	6.78	
05 12 23 00-0754 LF 1-1/4" Diameter x 0.065" Round Steel Tubing .....	4.09	0.80
For >100 To 250, Deduct	-0.08	
For >250 To 500, Deduct	-0.18	
For >500 To 1,000, Deduct	-0.31	
For >1,000, Deduct	-0.44	
For 316 Stainless Steel, Add	9.66	
For Aluminum, Add	0.54	
For Galvanized Steel, Add	1.87	
For 304 Stainless Steel, Add	8.61	
05 12 23 00-0755 LF 1-1/2" Diameter x 0.065" Round Steel Tubing .....	4.94	0.97
For >100 To 250, Deduct	-0.10	
For >250 To 500, Deduct	-0.22	
For >500 To 1,000, Deduct	-0.38	
For >1,000, Deduct	-0.53	
For 316 Stainless Steel, Add	11.68	
For Aluminum, Add	0.66	
For Galvanized Steel, Add	2.26	
For 304 Stainless Steel, Add	10.40	
05 12 23 00-0756 LF 2" Diameter x 0.065" Round Steel Tubing .....	6.65	1.30
For >100 To 250, Deduct	-0.13	
For >250 To 500, Deduct	-0.30	
For >500 To 1,000, Deduct	-0.51	
For >1,000, Deduct	-0.72	
For 316 Stainless Steel, Add	15.74	
For Aluminum, Add	0.89	
For Galvanized Steel, Add	3.05	
For 304 Stainless Steel, Add	14.02	
05 12 23 00-0757 LF 2-1/2" Diameter x 0.065" Round Steel Tubing .....	8.39	1.64
For >100 To 250, Deduct	-0.16	
For >250 To 500, Deduct	-0.37	
For >500 To 1,000, Deduct	-0.64	
For >1,000, Deduct	-0.90	
For 316 Stainless Steel, Add	19.84	
For Aluminum, Add	1.12	
For Galvanized Steel, Add	3.84	
For 304 Stainless Steel, Add	17.67	
05 12 23 00-0758 LF 3" Diameter x 0.065" Round Steel Tubing .....	10.11	1.98
For >100 To 250, Deduct	-0.20	
For >250 To 500, Deduct	-0.45	
For >500 To 1,000, Deduct	-0.77	
For >1,000, Deduct	-1.09	
For 316 Stainless Steel, Add	23.90	
For Aluminum, Add	1.34	
For Galvanized Steel, Add	4.63	
For 304 Stainless Steel, Add	21.29	
05 12 23 00-0759 LF 3-1/2" Diameter x 0.065" Round Steel Tubing .....	11.83	2.32
For >100 To 250, Deduct	-0.23	
For >250 To 500, Deduct	-0.53	
For >500 To 1,000, Deduct	-0.90	
For >1,000, Deduct	-1.27	
For 316 Stainless Steel, Add	27.97	
For Aluminum, Add	1.57	
For Galvanized Steel, Add	5.42	
For 304 Stainless Steel, Add	24.91	
05 12 23 00-0760 LF 4" Diameter x 0.065" Round Steel Tubing .....	13.56	2.65
For >100 To 250, Deduct	-0.27	
For >250 To 500, Deduct	-0.60	
For >500 To 1,000, Deduct	-1.03	
For >1,000, Deduct	-1.46	
For 316 Stainless Steel, Add	32.06	
For Aluminum, Add	1.80	
For Galvanized Steel, Add	6.21	
For 304 Stainless Steel, Add	28.56	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 12 23 00-0761		0.083" Wall Thickness <small>(05 12 23 00-0751)</small>	
05 12 23 00-0762	LF 1" Diameter x 0.083" Round Steel Tubing .....	3.49	0.70
	For >100 To 250, Deduct	-0.07	
	For >250 To 500, Deduct	-0.16	
	For >500 To 1,000, Deduct	-0.27	
	For >1,000, Deduct	-0.38	
	For 316 Stainless Steel, Add	8.22	
	For Aluminum, Add	0.46	
	For Galvanized Steel, Add	1.59	
	For 304 Stainless Steel, Add	7.32	
05 12 23 00-0763	LF 1-1/4" Diameter x 0.083" Round Steel Tubing .....	4.45	0.88
	For >100 To 250, Deduct	-0.09	
	For >250 To 500, Deduct	-0.20	
	For >500 To 1,000, Deduct	-0.34	
	For >1,000, Deduct	-0.48	
	For 316 Stainless Steel, Add	10.50	
	For Aluminum, Add	0.59	
	For Galvanized Steel, Add	2.03	
	For 304 Stainless Steel, Add	9.35	
05 12 23 00-0764	LF 1-1/2" Diameter x 0.083" Round Steel Tubing .....	5.40	1.07
	For >100 To 250, Deduct	-0.11	
	For >250 To 500, Deduct	-0.24	
	For >500 To 1,000, Deduct	-0.41	
	For >1,000, Deduct	-0.58	
	For 316 Stainless Steel, Add	12.74	
	For Aluminum, Add	0.72	
	For Galvanized Steel, Add	2.47	
	For 304 Stainless Steel, Add	11.34	
05 12 23 00-0765	LF 2" Diameter x 0.083" Round Steel Tubing .....	7.31	1.44
	For >100 To 250, Deduct	-0.14	
	For >250 To 500, Deduct	-0.33	
	For >500 To 1,000, Deduct	-0.56	
	For >1,000, Deduct	-0.79	
	For 316 Stainless Steel, Add	17.22	
	For Aluminum, Add	0.97	
	For Galvanized Steel, Add	3.34	
	For 304 Stainless Steel, Add	15.33	
05 12 23 00-0766	LF 2-1/2" Diameter x 0.083" Round Steel Tubing .....	9.22	1.83
	For >100 To 250, Deduct	-0.18	
	For >250 To 500, Deduct	-0.41	
	For >500 To 1,000, Deduct	-0.70	
	For >1,000, Deduct	-1.00	
	For 316 Stainless Steel, Add	21.73	
	For Aluminum, Add	1.22	
	For Galvanized Steel, Add	4.21	
	For 304 Stainless Steel, Add	19.35	
05 12 23 00-0767	LF 3" Diameter x 0.083" Round Steel Tubing .....	11.13	2.20
	For >100 To 250, Deduct	-0.22	
	For >250 To 500, Deduct	-0.50	
	For >500 To 1,000, Deduct	-0.85	
	For >1,000, Deduct	-1.20	
	For 316 Stainless Steel, Add	26.21	
	For Aluminum, Add	1.47	
	For Galvanized Steel, Add	5.08	
	For 304 Stainless Steel, Add	23.34	
05 12 23 00-0768	LF 3-1/2" Diameter x 0.083" Round Steel Tubing .....	13.02	2.57
	For >100 To 250, Deduct	-0.26	
	For >250 To 500, Deduct	-0.58	
	For >500 To 1,000, Deduct	-0.99	
	For >1,000, Deduct	-1.41	
	For 316 Stainless Steel, Add	30.69	
	For Aluminum, Add	1.73	
	For Galvanized Steel, Add	5.95	
	For 304 Stainless Steel, Add	27.33	
05 12 23 00-0769	LF 4" Diameter x 0.083" Round Steel Tubing .....	14.93	2.96
	For >100 To 250, Deduct	-0.29	
	For >250 To 500, Deduct	-0.67	
	For >500 To 1,000, Deduct	-1.14	
	For >1,000, Deduct	-1.61	
	For 316 Stainless Steel, Add	35.20	
	For Aluminum, Add	1.98	
	For Galvanized Steel, Add	6.82	
	For 304 Stainless Steel, Add	31.35	

 05 12 23 00-0770 0.125" Wall Thickness (05 12 23 00-0751)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0771 LF 2" Diameter x 0.125" Round Steel Tubing .....	7.71	1.83
For >100 To 250, Deduct	-0.18	
For >250 To 500, Deduct	-0.38	
For >500 To 1,000, Deduct	-0.63	
For >1,000, Deduct	-0.88	
For 316 Stainless Steel, Add	16.90	
For Aluminum, Add	0.95	
For Galvanized Steel, Add	3.27	
For 304 Stainless Steel, Add	15.05	
05 12 23 00-0772 LF 2-1/2" Diameter x 0.125" Round Steel Tubing .....	9.77	2.31
For >100 To 250, Deduct	-0.23	
For >250 To 500, Deduct	-0.48	
For >500 To 1,000, Deduct	-0.80	
For >1,000, Deduct	-1.12	
For 316 Stainless Steel, Add	21.41	
For Aluminum, Add	1.20	
For Galvanized Steel, Add	4.15	
For 304 Stainless Steel, Add	19.07	
05 12 23 00-0773 LF 3" Diameter x 0.125" Round Steel Tubing .....	11.83	2.79
For >100 To 250, Deduct	-0.28	
For >250 To 500, Deduct	-0.58	
For >500 To 1,000, Deduct	-0.96	
For >1,000, Deduct	-1.35	
For 316 Stainless Steel, Add	25.92	
For Aluminum, Add	1.46	
For Galvanized Steel, Add	5.02	
For 304 Stainless Steel, Add	23.09	
05 12 23 00-0774 LF 3-1/2" Diameter x 0.125" Round Steel Tubing .....	13.89	3.28
For >100 To 250, Deduct	-0.33	
For >250 To 500, Deduct	-0.68	
For >500 To 1,000, Deduct	-1.13	
For >1,000, Deduct	-1.59	
For 316 Stainless Steel, Add	30.43	
For Aluminum, Add	1.71	
For Galvanized Steel, Add	5.90	
For 304 Stainless Steel, Add	27.10	
05 12 23 00-0775 LF 4" Diameter x 0.125" Round Steel Tubing .....	15.93	3.77
For >100 To 250, Deduct	-0.38	
For >250 To 500, Deduct	-0.77	
For >500 To 1,000, Deduct	-1.30	
For >1,000, Deduct	-1.82	
For 316 Stainless Steel, Add	34.91	
For Aluminum, Add	1.96	
For Galvanized Steel, Add	6.76	
For 304 Stainless Steel, Add	31.09	
<b>05 12 23 00-0776 Flat Steel Bar</b> <small>(05 12 23 00-0438)</small>		
<b>05 12 23 00-0777 1/8" Thick</b> <small>(05 12 23 00-0776)</small>		
05 12 23 00-0778 LF 1/8" Thick x 1" Wide Flat Steel Bar .....	1.94	0.91
For 316 Stainless Steel, Add	1.86	
For Aluminum, Add	0.10	
For Galvanized Steel, Add	0.36	
For 304 Stainless Steel, Add	1.65	
05 12 23 00-0779 LF 1/8" Thick x 2" Wide Flat Steel Bar .....	3.00	1.36
For 316 Stainless Steel, Add	3.07	
For Aluminum, Add	0.17	
For Galvanized Steel, Add	0.60	
For 304 Stainless Steel, Add	2.74	
05 12 23 00-0780 LF 1/8" Thick x 4" Wide Flat Steel Bar .....	4.62	1.92
For 316 Stainless Steel, Add	5.60	
For Aluminum, Add	0.32	
For Galvanized Steel, Add	1.09	
For 304 Stainless Steel, Add	4.99	
05 12 23 00-0781 LF 1/8" Thick x 6" Wide Flat Steel Bar .....	6.26	2.60
For 316 Stainless Steel, Add	7.55	
For Aluminum, Add	0.42	
For Galvanized Steel, Add	1.46	
For 304 Stainless Steel, Add	6.73	
<b>05 12 23 00-0782 3/16" Thick</b> <small>(05 12 23 00-0776)</small>		
05 12 23 00-0783 LF 3/16" Thick x 1" Wide Flat Steel Bar .....	2.57	1.13
For 316 Stainless Steel, Add	2.82	
For Aluminum, Add	0.16	
For Galvanized Steel, Add	0.55	
For 304 Stainless Steel, Add	2.51	
05 12 23 00-0784 LF 3/16" Thick x 2" Wide Flat Steel Bar .....	4.06	1.69
For 316 Stainless Steel, Add	4.86	
For Aluminum, Add	0.27	
For Galvanized Steel, Add	0.94	
For 304 Stainless Steel, Add	4.33	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0785	LF		3/16" Thick x 4" Wide Flat Steel Bar ..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	5.47 8.19 0.46 1.59 7.30	1.95
05 12 23 00-0786	LF		3/16" Thick x 6" Wide Flat Steel Bar ..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	7.58 11.33 0.64 2.19 10.09	2.69
<b>05 12 23 00-0787</b>			<b>1/4" Thick</b> <small>(05 12 23 00-0776)</small>		
05 12 23 00-0788	LF		1/4" Thick x 1" Wide Flat Steel Bar ..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	2.66 2.78 0.16 0.54 2.48	1.19
05 12 23 00-0789	LF		1/4" Thick x 2" Wide Flat Steel Bar ..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	4.44 5.63 0.32 1.09 5.02	1.79
05 12 23 00-0790	LF		1/4" Thick x 4" Wide Flat Steel Bar ..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	6.47 10.88 0.61 2.11 9.69	2.04
05 12 23 00-0791	LF		1/4" Thick x 6" Wide Flat Steel Bar ..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	9.35 15.42 0.87 2.99 13.74	3.02
<b>05 12 23 00-0792</b>			<b>3/8" Thick</b> <small>(05 12 23 00-0776)</small>		
05 12 23 00-0793	LF		3/8" Thick x 1" Wide Flat Steel Bar ..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	3.38 4.35 0.24 0.84 3.88	1.34
05 12 23 00-0794	LF		3/8" Thick x 2" Wide Flat Steel Bar ..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	5.53 8.03 0.45 1.56 7.15	2.01
05 12 23 00-0795	LF		3/8" Thick x 4" Wide Flat Steel Bar ..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	8.48 16.10 0.91 3.12 14.34	2.29
05 12 23 00-0796	LF		3/8" Thick x 6" Wide Flat Steel Bar ..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	12.18 22.66 1.27 4.39 20.18	3.39
<b>05 12 23 00-0797</b>			<b>1/2" Thick</b> <small>(05 12 23 00-0776)</small>		
05 12 23 00-0798	LF		1/2" Thick x 1" Wide Flat Steel Bar ..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	3.97 5.60 0.32 1.09 4.99	1.47
05 12 23 00-0799	LF		1/2" Thick x 2" Wide Flat Steel Bar ..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	6.53 10.27 0.58 1.99 9.15	2.22
05 12 23 00-0800	LF		1/2" Thick x 4" Wide Flat Steel Bar ..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	9.26 17.50 0.98 3.39 15.59	2.52
05 12 23 00-0801	LF		1/2" Thick x 6" Wide Flat Steel Bar ..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	16.52 34.91 1.96 6.76 31.09	3.73
05 12 23 00-0802			<b>Flat Steel Plate</b> <small>(05 12 23 00-0438)</small>		



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0803	SF		1/8" Thick Flat Steel Plate..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	9.98 13.18 0.74 2.55 11.74	3.90
05 12 23 00-0804	SF		3/16" Thick Flat Steel Plate..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	11.22 16.48 0.93 3.19 14.68	4.04
05 12 23 00-0805	SF		1/4" Thick Flat Steel Plate..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	13.37 21.02 1.18 4.07 18.72	4.53
05 12 23 00-0806	SF		3/8" Thick Flat Steel Plate..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	17.96 32.99 1.86 6.39 29.38	5.09
05 12 23 00-0807	SF		1/2" Thick Flat Steel Plate..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	21.25 41.09 2.31 7.96 36.59	5.60
05 12 23 00-0808	SF		3/4" Thick Flat Steel Plate..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	34.60 77.06 4.33 14.93 68.63	6.94
05 12 23 00-0809	SF		1" Thick Flat Steel Plate..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	46.11 105.50 5.93 20.44 93.96	8.67

**05 14 Structural Aluminum Framing** (05 10)

**05 14 13 Architecturally-Exposed Structural Aluminum Framing** (05 14)

**05 14 13 00-0001 Rolled Or Plate Shapes** (05 14 13)

Note: 1" through 10" member.

05 14 13 00-0002	LB	Structural Aluminum, Up To 2,000 LB / Order 1" To 10" Rolled / Plate Structural Members .....	4.71	0.49
05 14 13 00-0003	LB	Structural Aluminum, >2,000 - 9,999 LB / Order 1" To 10" Rolled / Plate Structural Members .....	4.15	0.46

**05 14 13 00-0004 Aluminum Extrusions** (05 14 13)

05 14 13 00-0005	LB	Aluminum Extrusions, Stock Shapes 1" To 10" Rolled / Plate Structural Members .....	7.85	2.03
05 14 13 00-0006	LB	Aluminum Extrusions, Custom Shapes 1" To 10" Rolled / Plate Structural Members.....	8.29	2.03

**05 14 13 00-0007 Aluminum Tubing** (05 14 13)

05 14 13 00-0008	LB	Aluminum Extrusions, Tubular Shapes 1" To 10" Rolled / Plate Structural Members .....	8.87	2.20
05 14 13 00-0009	LF	1" x 1" Aluminum Tubing, 1/8" Wall Thickness .....	9.49	3.56
05 14 13 00-0010	LF	1-1/4" x 1-1/4" Aluminum Tubing, 1/8" Wall Thickness .....	11.07	3.88
05 14 13 00-0011	LF	1-1/2" x 1-1/2" Aluminum Tubing, 1/8" Wall Thickness .....	12.79	4.53
05 14 13 00-0012	LF	2" x 2" Aluminum Tubing, 1/8" Wall Thickness .....	14.68	4.86
05 14 13 00-0013	LF	4" x 4" Aluminum Tubing, 1/4" Wall Thickness .....	35.17	6.15
05 14 13 00-0014	LF	2" x 5" Aluminum Tubing, 1/4" Wall Thickness .....	29.24	5.51

**05 14 13 00-0015 Columns** (05 14 13)

Note: Baked on paint finish, load bearing.

**05 14 13 00-0016 Round Columns** (05 14 13 00-0015)

05 14 13 00-0017	LF	6" Diameter Aluminum Column .....	28.20	4.21
05 14 13 00-0018	LF	8" Diameter Aluminum Column .....	37.51	6.03
05 14 13 00-0019	LF	10" Diameter Aluminum Column.....	45.67	6.78
05 14 13 00-0020	LF	12" Diameter Aluminum Column.....	68.03	7.10
05 14 13 00-0021	LF	15" Diameter Aluminum Column.....	86.70	8.22
05 14 13 00-0022	EA	6" Diameter Aluminum Base And Cap .....	54.60	7.85
05 14 13 00-0023	EA	8" Diameter Aluminum Base And Cap .....	62.42	8.48
05 14 13 00-0024	EA	10" Diameter Aluminum Base And Cap .....	78.59	9.41
05 14 13 00-0025	EA	12" Diameter Aluminum Base And Cap .....	134.93	10.04
05 14 13 00-0026	EA	15" Diameter Aluminum Base And Cap .....	205.94	10.99

**05 14 13 00-0027 Octagonal Columns** (05 14 13 00-0015)

05 14 13 00-0028	LF	6" Diameter Aluminum Column .....	31.26	4.21
05 14 13 00-0029	LF	8" Diameter Aluminum Column .....	42.59	6.03
05 14 13 00-0030	LF	10" Diameter Aluminum Column.....	52.09	6.78
05 14 13 00-0031	LF	12" Diameter Aluminum Column.....	78.81	7.10



**05 Metals****05 10 Structural Metal Framing****05 14 Structural Aluminum Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 14 13 00-0032	LF		15" Diameter Aluminum Column.....	100.76	8.22
05 14 13 00-0033	EA		6" Diameter Aluminum Base And Cap.....	62.38	7.85
05 14 13 00-0034	EA		8" Diameter Aluminum Base And Cap.....	71.51	8.48
05 14 13 00-0035	EA		10" Diameter Aluminum Base And Cap.....	90.54	9.41
05 14 13 00-0036	EA		12" Diameter Aluminum Base And Cap.....	157.89	10.04
05 14 13 00-0037	EA		15" Diameter Aluminum Base And Cap.....	242.74	10.99
<b>05 14 13 00-0038</b>			<b>Fluted Columns (05 14 13 00-0015)</b>		
05 14 13 00-0039	LF		6" Diameter Aluminum Column.....	34.70	4.21
05 14 13 00-0040	LF		8" Diameter Aluminum Column.....	47.17	6.03
05 14 13 00-0041	LF		10" Diameter Aluminum Column.....	57.87	6.78
05 14 13 00-0042	LF		12" Diameter Aluminum Column.....	88.52	7.10
05 14 13 00-0043	LF		15" Diameter Aluminum Column.....	113.41	8.22
05 14 13 00-0044	EA		6" Diameter Aluminum Base And Cap.....	69.39	7.85
05 14 13 00-0045	EA		8" Diameter Aluminum Base And Cap.....	79.69	8.48
05 14 13 00-0046	EA		10" Diameter Aluminum Base And Cap.....	101.30	9.41
05 14 13 00-0047	EA		12" Diameter Aluminum Base And Cap.....	178.56	10.04
05 14 13 00-0048	EA		15" Diameter Aluminum Base And Cap.....	275.85	10.99
<b>05 14 13 00-0049</b>			<b>Square Columns (05 14 13 00-0015)</b>		
05 14 13 00-0050	LF		6" Aluminum Column.....	37.05	4.21
05 14 13 00-0051	LF		8" Aluminum Column.....	50.30	6.03
05 14 13 00-0052	LF		10" Aluminum Column.....	61.82	6.78
05 14 13 00-0053	LF		12" Aluminum Column.....	95.15	7.10
05 14 13 00-0054	LF		15" Aluminum Column.....	122.07	8.22
05 14 13 00-0055	EA		6" Aluminum Base And Cap.....	74.18	7.85
05 14 13 00-0056	EA		8" Aluminum Base And Cap.....	85.29	8.48
05 14 13 00-0057	EA		10" Aluminum Base And Cap.....	108.66	9.41
05 14 13 00-0058	EA		12" Aluminum Base And Cap.....	192.70	10.04
05 14 13 00-0059	EA		15" Aluminum Base And Cap.....	298.50	10.99
<b>05 14 13 00-0060</b>			<b>Ornamental Or Decorative Cap And Bases (05 14 13 00-0015)</b>		
05 14 13 00-0061	EA		8" Corinthian Capital And Base.....	414.90	9.41
05 14 13 00-0062	EA		10" Corinthian Capital And Base.....	610.15	10.99
05 14 13 00-0063	EA		12" Corinthian Capital And Base.....	964.50	12.55
05 14 13 00-0064	EA		8" Scamozzi Capital And Base.....	206.71	9.41
05 14 13 00-0065	EA		10" Scamozzi Capital And Base.....	276.71	10.99
05 14 13 00-0066	EA		12" Scamozzi Capital And Base.....	555.23	12.55
<b>05 15 Wire Rope Assemblies (05 10)</b>					
<b>05 15 16 Steel Wire Rope Assemblies (05 15)</b>					
<b>05 15 16 00-0001</b>			<b>6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope (05 15 16)</b>		
05 15 16 00-0002	LF		1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.07	0.06
			For >500, Deduct.....	-0.19	
05 15 16 00-0003	LF		5/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.43	0.06
			For >500, Deduct.....	-0.25	
05 15 16 00-0004	LF		3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.68	0.13
			For >500, Deduct.....	-0.29	
05 15 16 00-0005	LF		7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.02	0.13
			For >500, Deduct.....	-0.34	
05 15 16 00-0006	LF		1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.34	0.19
			For >500, Deduct.....	-0.38	
05 15 16 00-0007	LF		9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.87	0.26
			For >500, Deduct.....	-0.46	
05 15 16 00-0008	LF		5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	3.41	0.26
			For >500, Deduct.....	-0.54	
05 15 16 00-0009	LF		3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	4.71	0.45
			For >500, Deduct.....	-0.74	
05 15 16 00-0010	LF		7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	6.33	0.51
			For >500, Deduct.....	-0.99	
05 15 16 00-0011	LF		1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	7.86	0.72
			For >500, Deduct.....	-1.21	
05 15 16 00-0012	LF		1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	9.72	0.91
			For >500, Deduct.....	-1.49	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 15 16 00-0013	LF		1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	11.84	1.10
				<i>For &gt;500, Deduct</i>	-1.81	
<b>05 15 16 00-0014</b>				<b>6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope <small>(05 15 16)</small></b>		
	05 15 16 00-0015	LF		1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.26	0.06
				<i>For &gt;500, Deduct</i>	-0.23	
	05 15 16 00-0016	LF		5/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.62	0.06
				<i>For &gt;500, Deduct</i>	-0.29	
	05 15 16 00-0017	LF		3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.00	0.13
				<i>For &gt;500, Deduct</i>	-0.35	
	05 15 16 00-0018	LF		7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.26	0.13
				<i>For &gt;500, Deduct</i>	-0.38	
	05 15 16 00-0019	LF		1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.70	0.19
				<i>For &gt;500, Deduct</i>	-0.45	
	05 15 16 00-0020	LF		9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	3.10	0.26
				<i>For &gt;500, Deduct</i>	-0.50	
	05 15 16 00-0021	LF		5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	3.60	0.26
				<i>For &gt;500, Deduct</i>	-0.58	
	05 15 16 00-0022	LF		3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	5.28	0.45
				<i>For &gt;500, Deduct</i>	-0.85	
	05 15 16 00-0023	LF		7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	6.76	0.51
				<i>For &gt;500, Deduct</i>	-1.07	
	05 15 16 00-0024	LF		1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	8.29	0.72
				<i>For &gt;500, Deduct</i>	-1.30	
	05 15 16 00-0025	LF		1-1/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	10.62	0.91
				<i>For &gt;500, Deduct</i>	-1.66	
	05 15 16 00-0026	LF		1-1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	12.91	1.10
				<i>For &gt;500, Deduct</i>	-2.03	
<b>05 15 16 00-0027</b>				<b>6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope <small>(05 15 16)</small></b>		
	05 15 16 00-0028	LF		1/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	0.99	0.06
				<i>For &gt;500, Deduct</i>	-0.18	
	05 15 16 00-0029	LF		5/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	1.34	0.06
				<i>For &gt;500, Deduct</i>	-0.23	
	05 15 16 00-0030	LF		3/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	1.58	0.13
				<i>For &gt;500, Deduct</i>	-0.27	
	05 15 16 00-0031	LF		7/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	1.84	0.13
				<i>For &gt;500, Deduct</i>	-0.30	
	05 15 16 00-0032	LF		1/2" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	2.22	0.19
				<i>For &gt;500, Deduct</i>	-0.35	
	05 15 16 00-0033	LF		9/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	2.81	0.26
				<i>For &gt;500, Deduct</i>	-0.45	
	05 15 16 00-0034	LF		5/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	3.27	0.26
				<i>For &gt;500, Deduct</i>	-0.51	
	05 15 16 00-0035	LF		3/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	4.58	0.45
				<i>For &gt;500, Deduct</i>	-0.71	
	05 15 16 00-0036	LF		7/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	5.58	0.51
				<i>For &gt;500, Deduct</i>	-0.84	
	05 15 16 00-0037	LF		1" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	7.07	0.72
				<i>For &gt;500, Deduct</i>	-1.05	
<b>05 15 16 00-0038</b>				<b>6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope <small>(05 15 16)</small></b>		
	05 15 16 00-0039	LF		1/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	0.98	0.06
				<i>For &gt;500, Deduct</i>	-0.17	
	05 15 16 00-0040	LF		5/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.29	0.06
				<i>For &gt;500, Deduct</i>	-0.22	
	05 15 16 00-0041	LF		3/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.58	0.13
				<i>For &gt;500, Deduct</i>	-0.27	
	05 15 16 00-0042	LF		7/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.84	0.13
				<i>For &gt;500, Deduct</i>	-0.30	
	05 15 16 00-0043	LF		1/2" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.32	0.19
				<i>For &gt;500, Deduct</i>	-0.37	
	05 15 16 00-0044	LF		9/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.76	0.26
				<i>For &gt;500, Deduct</i>	-0.44	

**05 Metals****05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0045	LF		5/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....3.46		0.26
			<i>For &gt;500, Deduct</i>	-0.55	
05 15 16 00-0046	LF		3/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....4.81		0.45
			<i>For &gt;500, Deduct</i>	-0.76	
05 15 16 00-0047	LF		7/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....6.28		0.51
			<i>For &gt;500, Deduct</i>	-0.98	
05 15 16 00-0048	LF		1" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....7.73		0.72
			<i>For &gt;500, Deduct</i>	-1.19	
<b>05 15 16 00-0049</b>			<b>6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <sup>(05 15 16)</sup></b>		
05 15 16 00-0050	LF		3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....1.80		0.13
			<i>For &gt;500, Deduct</i>	-0.31	
05 15 16 00-0051	LF		7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....2.10		0.13
			<i>For &gt;500, Deduct</i>	-0.35	
05 15 16 00-0052	LF		1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....2.45		0.19
			<i>For &gt;500, Deduct</i>	-0.40	
05 15 16 00-0053	LF		9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....3.31		0.26
			<i>For &gt;500, Deduct</i>	-0.55	
05 15 16 00-0054	LF		5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....3.62		0.26
			<i>For &gt;500, Deduct</i>	-0.58	
05 15 16 00-0055	LF		3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....4.92		0.45
			<i>For &gt;500, Deduct</i>	-0.78	
05 15 16 00-0056	LF		7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....6.31		0.51
			<i>For &gt;500, Deduct</i>	-0.98	
05 15 16 00-0057	LF		1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....8.30		0.72
			<i>For &gt;500, Deduct</i>	-1.29	
05 15 16 00-0058	LF		1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....10.05		0.91
			<i>For &gt;500, Deduct</i>	-1.55	
05 15 16 00-0059	LF		1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....12.12		1.10
			<i>For &gt;500, Deduct</i>	-1.87	
<b>05 15 16 00-0060</b>			<b>6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope <sup>(05 15 16)</sup></b>		
05 15 16 00-0061	LF		3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....1.85		0.13
			<i>For &gt;500, Deduct</i>	-0.32	
05 15 16 00-0062	LF		7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....2.23		0.13
			<i>For &gt;500, Deduct</i>	-0.38	
05 15 16 00-0063	LF		1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....2.63		0.19
			<i>For &gt;500, Deduct</i>	-0.44	
05 15 16 00-0064	LF		9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....3.70		0.26
			<i>For &gt;500, Deduct</i>	-0.62	
05 15 16 00-0065	LF		5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....3.69		0.26
			<i>For &gt;500, Deduct</i>	-0.60	
05 15 16 00-0066	LF		3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....5.05		0.45
			<i>For &gt;500, Deduct</i>	-0.81	
05 15 16 00-0067	LF		7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....6.69		0.51
			<i>For &gt;500, Deduct</i>	-1.06	
05 15 16 00-0068	LF		1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope .....8.43		0.72
			<i>For &gt;500, Deduct</i>	-1.32	
<b>05 15 16 00-0069</b>			<b>19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope <sup>(05 15 16)</sup></b>		
05 15 16 00-0070	LF		1/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope .....1.95		0.06
			<i>For &gt;500, Deduct</i>	-0.37	
05 15 16 00-0071	LF		5/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope .....2.10		0.06
			<i>For &gt;500, Deduct</i>	-0.39	
05 15 16 00-0072	LF		3/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope .....2.45		0.13
			<i>For &gt;500, Deduct</i>	-0.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0073 LF 7/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope ..... <i>For &gt;500, Deduct</i>	3.29 -0.59	0.13
05 15 16 00-0074 LF 1/2" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope ..... <i>For &gt;500, Deduct</i>	3.76 -0.68	0.13
05 15 16 00-0075 LF 9/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope ..... <i>For &gt;500, Deduct</i>	4.31 -0.75	0.26
05 15 16 00-0076 LF 5/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope ..... <i>For &gt;500, Deduct</i>	5.12 -0.88	0.26
05 15 16 00-0077 LF 3/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope ..... <i>For &gt;500, Deduct</i>	7.03 -1.21	0.39
<b>05 15 16 00-0078 7x7, Galvanized Finish, Aircraft Cable (05 15 16)</b>		
05 15 16 00-0079 LF 1/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable ..... <i>For &gt;500, Deduct</i>	0.21 -0.03	0.04
05 15 16 00-0080 LF 3/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable ..... <i>For &gt;500, Deduct</i>	0.24 -0.03	0.05
05 15 16 00-0081 LF 1/8" Diameter, 7x7, Galvanized Finish, Aircraft Cable ..... <i>For &gt;500, Deduct</i>	0.26 -0.03	0.06
05 15 16 00-0082 LF 5/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable ..... <i>For &gt;500, Deduct</i>	0.31 -0.04	0.06
05 15 16 00-0083 LF 3/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable ..... <i>For &gt;500, Deduct</i>	0.38 -0.05	0.06
<b>05 15 16 00-0084 7x19, Galvanized Finish, Aircraft Cable (05 15 16)</b>		
05 15 16 00-0085 LF 1/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable ..... <i>For &gt;500, Deduct</i>	0.38 -0.06	0.06
05 15 16 00-0086 LF 5/32" Diameter, 7x19, Galvanized Finish, Aircraft Cable ..... <i>For &gt;500, Deduct</i>	0.41 -0.06	0.06
05 15 16 00-0087 LF 3/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable ..... <i>For &gt;500, Deduct</i>	0.47 -0.07	0.06
05 15 16 00-0088 LF 1/4" Diameter, 7x19, Galvanized Finish, Aircraft Cable ..... <i>For &gt;500, Deduct</i>	0.56 -0.09	0.06
05 15 16 00-0089 LF 5/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable ..... <i>For &gt;500, Deduct</i>	0.84 -0.13	0.06
05 15 16 00-0090 LF 3/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable ..... <i>For &gt;500, Deduct</i>	1.12 -0.17	0.06
<b>05 15 16 00-0091 Heavy Duty, Galvanized Steel, Wire Rope Thimbles (05 15 16)</b>		
05 15 16 00-0092 EA 1/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble .....	8.50	1.95
05 15 16 00-0093 EA 5/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble .....	9.75	1.95
05 15 16 00-0094 EA 3/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble .....	11.14	1.95
05 15 16 00-0095 EA 7/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble .....	14.95	1.95
05 15 16 00-0096 EA 1/2" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble .....	14.97	1.95
05 15 16 00-0097 EA 9/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble .....	14.97	1.95
05 15 16 00-0098 EA 5/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble .....	16.26	1.95
05 15 16 00-0099 EA 3/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble .....	29.94	2.98
05 15 16 00-0100 EA 7/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble .....	35.26	3.63
05 15 16 00-0101 EA 1" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble .....	63.01	5.96
05 15 16 00-0102 EA 1-1/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble .....	90.65	8.10
05 15 16 00-0103 EA 1-1/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble .....	90.65	8.10
<b>05 15 16 00-0104 Galvanized Steel, Wire Rope Clips (05 15 16)</b>		
05 15 16 00-0105 EA 1/8" Diameter, Galvanized Steel, Wire Rope Clip .....	11.30	1.95
05 15 16 00-0106 EA 3/16" Diameter, Galvanized Steel, Wire Rope Clip .....	11.60	1.95
05 15 16 00-0107 EA 1/4" Diameter, Galvanized Steel, Wire Rope Clip .....	13.64	1.95
05 15 16 00-0108 EA 5/16" Diameter, Galvanized Steel, Wire Rope Clip .....	13.96	1.95
05 15 16 00-0109 EA 3/8" Diameter, Galvanized Steel, Wire Rope Clip .....	14.41	1.95
05 15 16 00-0110 EA 7/16" Diameter, Galvanized Steel, Wire Rope Clip .....	18.80	1.95
05 15 16 00-0111 EA 1/2" Diameter, Galvanized Steel, Wire Rope Clip .....	19.13	1.95
05 15 16 00-0112 EA 9/16" Diameter, Galvanized Steel, Wire Rope Clip .....	22.24	1.95
05 15 16 00-0113 EA 5/8" Diameter, Galvanized Steel, Wire Rope Clip .....	22.70	1.95
05 15 16 00-0114 EA 3/4" Diameter, Galvanized Steel, Wire Rope Clip .....	30.74	2.59
05 15 16 00-0115 EA 7/8" Diameter, Galvanized Steel, Wire Rope Clip .....	45.59	3.88
05 15 16 00-0116 EA 1" Diameter, Galvanized Steel, Wire Rope Clip .....	50.62	3.88
05 15 16 00-0117 EA 1-1/8" Diameter, Galvanized Steel, Wire Rope Clip .....	58.84	5.18
05 15 16 00-0118 EA 1-1/4" Diameter, Galvanized Steel, Wire Rope Clip .....	85.36	7.77
<b>05 15 16 00-0119 Steel, Open Swage Sockets (05 15 16)</b>		
05 15 16 00-0120 EA 1/4" Diameter, Steel, Open Swage Socket .....	61.58	1.95
05 15 16 00-0121 EA 5/16" Diameter, Steel, Open Swage Socket .....	98.70	1.95
05 15 16 00-0122 EA 3/8" Diameter, Steel, Open Swage Socket .....	101.27	2.59
05 15 16 00-0123 EA 7/16" Diameter, Steel, Open Swage Socket .....	120.11	3.24

**05 Metals****05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0124	EA		1/2" Diameter, Steel, Open Swage Socket .....	120.11	3.24
05 15 16 00-0125	EA		9/16" Diameter, Steel, Open Swage Socket .....	174.12	7.12
05 15 16 00-0126	EA		5/8" Diameter, Steel, Open Swage Socket .....	174.12	7.12
05 15 16 00-0127	EA		3/4" Diameter, Steel, Open Swage Socket .....	219.75	13.60
05 15 16 00-0128	EA		7/8" Diameter, Steel, Open Swage Socket .....	295.22	19.43
05 15 16 00-0129	EA		1" Diameter, Steel, Open Swage Socket .....	413.83	29.79
05 15 16 00-0130	EA		1-1/8" Diameter, Steel, Open Swage Socket .....	538.35	46.63
05 15 16 00-0131	EA		1-1/4" Diameter, Steel, Open Swage Socket .....	626.73	53.75
<b>05 15 16 00-0132</b>			<b>Steel, Closed Swage Sockets (05 15 16)</b>		
05 15 16 00-0133	EA		1/4" Diameter, Steel, Closed Swage Socket .....	49.32	1.95
05 15 16 00-0134	EA		5/16" Diameter, Steel, Closed Swage Socket .....	67.15	1.95
05 15 16 00-0135	EA		3/8" Diameter, Steel, Closed Swage Socket .....	67.15	1.95
05 15 16 00-0136	EA		7/16" Diameter, Steel, Closed Swage Socket .....	83.51	2.59
05 15 16 00-0137	EA		1/2" Diameter, Steel, Closed Swage Socket .....	84.23	2.59
05 15 16 00-0138	EA		9/16" Diameter, Steel, Closed Swage Socket .....	114.74	4.53
05 15 16 00-0139	EA		5/8" Diameter, Steel, Closed Swage Socket .....	117.83	5.18
05 15 16 00-0140	EA		3/4" Diameter, Steel, Closed Swage Socket .....	144.76	8.42
05 15 16 00-0141	EA		7/8" Diameter, Steel, Closed Swage Socket .....	186.09	12.31
05 15 16 00-0142	EA		1" Diameter, Steel, Closed Swage Socket .....	266.25	16.83
05 15 16 00-0143	EA		1-1/8" Diameter, Steel, Closed Swage Socket .....	328.64	23.31
05 15 16 00-0144	EA		1-1/4" Diameter, Steel, Closed Swage Socket .....	442.40	36.26
<b>05 15 16 00-0145</b>			<b>Galvanized Steel, Open Spelter Sockets (05 15 16)</b>		
05 15 16 00-0146	EA		1/4" Galvanized Steel, Open Spelter Socket .....	103.85	1.95
05 15 16 00-0147	EA		5/16" Galvanized Steel, Open Spelter Socket .....	106.20	1.95
05 15 16 00-0148	EA		3/8" Galvanized Steel, Open Spelter Socket .....	106.20	1.95
05 15 16 00-0149	EA		7/16" Galvanized Steel, Open Spelter Socket .....	117.70	3.88
05 15 16 00-0150	EA		1/2" Galvanized Steel, Open Spelter Socket .....	117.70	3.88
05 15 16 00-0151	EA		9/16" Galvanized Steel, Open Spelter Socket .....	153.31	6.48
05 15 16 00-0152	EA		5/8" Galvanized Steel, Open Spelter Socket .....	153.31	6.48
05 15 16 00-0153	EA		3/4" Galvanized Steel, Open Spelter Socket .....	193.04	9.71
05 15 16 00-0154	EA		7/8" Galvanized Steel, Open Spelter Socket .....	287.77	16.19
05 15 16 00-0155	EA		1" Galvanized Steel, Open Spelter Socket .....	526.49	25.26
05 15 16 00-0156	EA		1-1/8" Galvanized Steel, Open Spelter Socket .....	611.14	40.80
05 15 16 00-0157	EA		1-1/4" Galvanized Steel, Open Spelter Socket .....	826.58	53.75
<b>05 15 16 00-0158</b>			<b>Galvanized Steel, Closed Spelter Sockets (05 15 16)</b>		
05 15 16 00-0159	EA		1/4" Galvanized Steel, Closed Spelter Socket .....	86.89	1.95
05 15 16 00-0160	EA		5/16" Galvanized Steel, Closed Spelter Socket .....	87.22	1.95
05 15 16 00-0161	EA		3/8" Galvanized Steel, Closed Spelter Socket .....	87.22	1.95
05 15 16 00-0162	EA		7/16" Galvanized Steel, Closed Spelter Socket .....	96.98	3.24
05 15 16 00-0163	EA		1/2" Galvanized Steel, Closed Spelter Socket .....	96.98	3.24
05 15 16 00-0164	EA		9/16" Galvanized Steel, Closed Spelter Socket .....	134.71	5.83
05 15 16 00-0165	EA		5/8" Galvanized Steel, Closed Spelter Socket .....	134.71	5.83
05 15 16 00-0166	EA		3/4" Galvanized Steel, Closed Spelter Socket .....	164.05	8.42
05 15 16 00-0167	EA		7/8" Galvanized Steel, Closed Spelter Socket .....	239.18	12.95
05 15 16 00-0168	EA		1" Galvanized Steel, Closed Spelter Socket .....	360.74	20.07
05 15 16 00-0169	EA		1-1/8" Galvanized Steel, Closed Spelter Socket .....	471.90	27.20
05 15 16 00-0170	EA		1-1/4" Galvanized Steel, Closed Spelter Socket .....	593.16	36.26
<b>05 15 16 00-0171</b>			<b>Forged Steel, Jaw And Jaw Turnbuckles (05 15 16)</b>		
05 15 16 00-0172	EA		1/4" x 4", Forged Steel, Jaw And Jaw Turnbuckle .....	59.40	1.95
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-7.94	
05 15 16 00-0173	EA		5/16" x 4-1/2", Forged Steel, Jaw And Jaw Turnbuckle .....	63.80	1.95
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-8.60	
05 15 16 00-0174	EA		3/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle .....	71.95	1.95
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-9.82	
05 15 16 00-0175	EA		1/2" x 6", Forged Steel, Jaw And Jaw Turnbuckle .....	78.99	2.59
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-10.22	
05 15 16 00-0176	EA		1/2" x 9", Forged Steel, Jaw And Jaw Turnbuckle .....	104.14	3.24
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-13.60	
05 15 16 00-0177	EA		1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle .....	118.24	3.88
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-15.40	
05 15 16 00-0178	EA		5/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle .....	119.54	5.18
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-14.94	
05 15 16 00-0179	EA		5/8" x 9", Forged Steel, Jaw And Jaw Turnbuckle .....	148.53	5.18
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-19.04	
05 15 16 00-0180	EA		5/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle .....	168.93	5.83
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-21.87	
05 15 16 00-0181	EA		3/4" x 6", Forged Steel, Jaw And Jaw Turnbuckle .....	161.04	7.12
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-20.02	
05 15 16 00-0182	EA		3/4" x 9", Forged Steel, Jaw And Jaw Turnbuckle .....	182.76	8.42
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-22.30	
05 15 16 00-0183	EA		3/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle .....	226.78	9.07
			For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-28.47	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0184	EA		3/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle ..... <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	272.79 -34.22	11.00
05 15 16 00-0185	EA		7/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle ..... <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	308.20 -36.98	15.54
05 15 16 00-0186	EA		7/8" x 18", Forged Steel, Jaw And Jaw Turnbuckle ..... <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	374.43 -45.37	18.14
05 15 16 00-0187	EA		1" x 6", Forged Steel, Jaw And Jaw Turnbuckle ..... <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	320.67 -38.85	15.54
05 15 16 00-0188	EA		1" x 12", Forged Steel, Jaw And Jaw Turnbuckle ..... <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	364.73 -42.57	20.07
05 15 16 00-0189	EA		1" x 18", Forged Steel, Jaw And Jaw Turnbuckle ..... <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	502.51 -60.43	25.26
05 15 16 00-0190	EA		1" x 24", Forged Steel, Jaw And Jaw Turnbuckle ..... <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	560.59 -66.43	29.79
05 15 16 00-0191	EA		1-1/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle ..... <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	621.94 -71.70	36.26
05 15 16 00-0192	EA		1-1/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle ..... <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	753.43 -88.73	40.80
05 15 16 00-0193	EA		1-1/4" x 24", Forged Steel, Jaw And Jaw Turnbuckle ..... <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	981.19 -119.42	46.63
05 15 16 00-0194	EA		1-1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle ..... <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	966.64 -115.11	49.87
05 15 16 00-0195	EA		1-1/2" x 18", Forged Steel, Jaw And Jaw Turnbuckle ..... <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	1,055.21 -119.42	64.76
05 15 16 00-0196	EA		1-1/2" x 24", Forged Steel, Jaw And Jaw Turnbuckle ..... <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	1,930.52 -241.01	84.19
05 15 16 00-0197	EA		2" x 24", Forged Steel, Jaw And Jaw Turnbuckle ..... <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	3,141.61 -374.10	161.90

**05 15 16 00-0198 Galvanized Steel, Drop Forged, Shoulder Eye Bolts (05 15 16)**

05 15 16 00-0199	EA		1/4" Diameter Thread, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	10.01	
05 15 16 00-0200	EA		5/16" Diameter Thread, 7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	10.07	
05 15 16 00-0201	EA		3/8" Diameter Thread, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	11.73	
05 15 16 00-0202	EA		7/16" Diameter Thread, 1-3/32" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	14.17	
05 15 16 00-0203	EA		1/2" Diameter Thread, 1-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	14.09	
05 15 16 00-0204	EA		5/8" Diameter Thread, 1-3/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	20.08	
05 15 16 00-0205	EA		3/4" Diameter Thread, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	24.90	
05 15 16 00-0206	EA		7/8" Diameter Thread, 1-11/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	34.57	
05 15 16 00-0207	EA		1" Diameter Thread, 1-13/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	47.82	
05 15 16 00-0208	EA		1-1/8" Diameter Thread, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	71.07	
05 15 16 00-0209	EA		1-1/4" Diameter Thread, 2-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	84.98	
05 15 16 00-0210	EA		1-1/2" Diameter Thread, 2-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	158.26	
05 15 16 00-0211	EA		1-3/4" Diameter Thread, 2-7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	181.88	
05 15 16 00-0212	EA		2" Diameter Thread, 3-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	225.94	

**05 15 16 00-0213 Galvanized Steel, Drop Forged, Eye Bolts (05 15 16)**

05 15 16 00-0214	EA		1/4" Diameter Thread, 3" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	14.02	
05 15 16 00-0215	EA		1/4" Diameter Thread, 4" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	12.27	
05 15 16 00-0216	EA		5/16" Diameter Thread, 2-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	17.85	
05 15 16 00-0217	EA		5/16" Diameter Thread, 4-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	10.89	
05 15 16 00-0218	EA		3/8" Diameter Thread, 2-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	15.89	
05 15 16 00-0219	EA		3/8" Diameter Thread, 3" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	25.51	
05 15 16 00-0220	EA		3/8" Diameter Thread, 4" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	24.56	
05 15 16 00-0221	EA		3/8" Diameter Thread, 4-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	23.18	
05 15 16 00-0222	EA		3/8" Diameter Thread, 5" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	20.45	
05 15 16 00-0223	EA		3/8" Diameter Thread, 6" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	21.13	
05 15 16 00-0224	EA		1/2" Diameter Thread, 2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	18.14	
05 15 16 00-0225	EA		1/2" Diameter Thread, 3" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	13.69	
05 15 16 00-0226	EA		1/2" Diameter Thread, 3-1/4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	18.89	
05 15 16 00-0227	EA		1/2" Diameter Thread, 4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	26.99	
05 15 16 00-0228	EA		1/2" Diameter Thread, 4-1/2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	19.63	
05 15 16 00-0229	EA		1/2" Diameter Thread, 6" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	33.68	
05 15 16 00-0230	EA		1/2" Diameter Thread, 8" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	29.12	
05 15 16 00-0231	EA		1/2" Diameter Thread, 10" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	26.15	
05 15 16 00-0232	EA		1/2" Diameter Thread, 12" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	31.44	
05 15 16 00-0233	EA		5/8" Diameter Thread, 4" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	31.80	
05 15 16 00-0234	EA		5/8" Diameter Thread, 4-1/2" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	27.87	
05 15 16 00-0235	EA		5/8" Diameter Thread, 6" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	36.02	
05 15 16 00-0236	EA		5/8" Diameter Thread, 8" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	41.81	
05 15 16 00-0237	EA		5/8" Diameter Thread, 10" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	48.77	
05 15 16 00-0238	EA		5/8" Diameter Thread, 12" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	39.55	
05 15 16 00-0239	EA		3/4" Diameter Thread, 4-1/2" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	39.78	
05 15 16 00-0240	EA		3/4" Diameter Thread, 6" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	40.57	
05 15 16 00-0241	EA		3/4" Diameter Thread, 8" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	45.19	
05 15 16 00-0242	EA		3/4" Diameter Thread, 10" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	48.99	
05 15 16 00-0243	EA		3/4" Diameter Thread, 12" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	57.97	
05 15 16 00-0244	EA		1" Diameter Thread, 8" Shank Length, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	77.82	

**05 15 19 Stainless Steel Wire Rope Assemblies (05 15)**

**05 Metals****05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 19 00-0001			<b>7x7, 304 Stainless Steel, Aircraft Cable</b> <small>(05 15 19)</small>		
05 15 19 00-0002	LF		1/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable .....	0.32	0.04
			<i>For &gt;500, Deduct</i> .....	-0.05	
05 15 19 00-0003	LF		3/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable .....	0.43	0.05
			<i>For &gt;500, Deduct</i> .....	-0.07	
05 15 19 00-0004	LF		1/8" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable .....	0.60	0.06
			<i>For &gt;500, Deduct</i> .....	-0.10	
05 15 19 00-0005	LF		5/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable .....	0.83	0.06
			<i>For &gt;500, Deduct</i> .....	-0.15	
05 15 19 00-0006	LF		3/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable .....	1.06	0.06
			<i>For &gt;500, Deduct</i> .....	-0.19	
05 15 19 00-0007			<b>7x19, 304 Stainless Steel, Aircraft Cable</b> <small>(05 15 19)</small>		
05 15 19 00-0008	LF		1/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable .....	0.71	0.06
			<i>For &gt;500, Deduct</i> .....	-0.12	
05 15 19 00-0009	LF		5/32" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable .....	0.84	0.06
			<i>For &gt;500, Deduct</i> .....	-0.15	
05 15 19 00-0010	LF		3/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable .....	0.99	0.06
			<i>For &gt;500, Deduct</i> .....	-0.17	
05 15 19 00-0011	LF		1/4" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable .....	1.37	0.06
			<i>For &gt;500, Deduct</i> .....	-0.25	
05 15 19 00-0012	LF		5/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable .....	2.07	0.06
			<i>For &gt;500, Deduct</i> .....	-0.38	
05 15 19 00-0013	LF		3/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable .....	3.12	0.13
			<i>For &gt;500, Deduct</i> .....	-0.57	
05 15 19 00-0014			<b>7x7, 316 Stainless Steel, Aircraft Cable</b> <small>(05 15 19)</small>		
05 15 19 00-0015	LF		1/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable .....	0.32	0.04
			<i>For &gt;500, Deduct</i> .....	-0.05	
05 15 19 00-0016	LF		3/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable .....	0.43	0.05
			<i>For &gt;500, Deduct</i> .....	-0.07	
05 15 19 00-0017	LF		1/8" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable .....	0.60	0.06
			<i>For &gt;500, Deduct</i> .....	-0.10	
05 15 19 00-0018	LF		5/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable .....	0.83	0.06
			<i>For &gt;500, Deduct</i> .....	-0.15	
05 15 19 00-0019	LF		3/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable .....	1.06	0.06
			<i>For &gt;500, Deduct</i> .....	-0.19	
05 15 19 00-0020			<b>7x19, 316 Stainless Steel, Aircraft Cable</b> <small>(05 15 19)</small>		
05 15 19 00-0021	LF		1/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable .....	0.71	0.06
			<i>For &gt;500, Deduct</i> .....	-0.12	
05 15 19 00-0022	LF		5/32" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable .....	0.84	0.06
			<i>For &gt;500, Deduct</i> .....	-0.15	
05 15 19 00-0023	LF		3/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable .....	0.99	0.06
			<i>For &gt;500, Deduct</i> .....	-0.17	
05 15 19 00-0024	LF		1/4" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable .....	1.37	0.06
			<i>For &gt;500, Deduct</i> .....	-0.25	
05 15 19 00-0025	LF		5/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable .....	2.07	0.06
			<i>For &gt;500, Deduct</i> .....	-0.38	
05 15 19 00-0026	LF		3/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable .....	3.12	0.06
			<i>For &gt;500, Deduct</i> .....	-0.57	
<b>05 20 Metal Joists</b> <small>(05)</small>					
			Note: Includes all connecting bolts and welds.		
<b>05 21 Steel Joist Framing</b> <small>(05 20)</small>					
<b>05 21 19 Open Web Steel Joist Framing</b> <small>(05 21)</small>					
05 21 19 00-0001	TON		H, J Or K Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging.....	2,205.45	104.20
			<i>For Welded Cross Bridging, Add</i> .....	130.25	
			<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i> .....	212.55	
05 21 19 00-0002	TON		H, J Or K Open Web Joist, >30' To 50' Span, Steel, Horizontal Bridging.....	2,030.69	97.69
			<i>For Welded Cross Bridging, Add</i> .....	115.78	
			<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i> .....	197.37	
05 21 19 00-0003	TON		LJ Or LH Open Web Joist, Up To 96' Span, Steel, Bolted Cross Bridging.....	2,485.27	97.69
			<i>For Welded Cross Bridging, Add</i> .....	120.23	
			<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i> .....	250.14	
05 21 19 00-0004	TON		DLJ Or DLH Open Web Joist, Up To 144' Span, Steel, Bolted Cross Bridging.....	2,855.85	97.69
			<i>For Welded Cross Bridging, Add</i> .....	120.23	
			<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i> .....	294.61	
05 21 19 00-0005	TON		CS Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging .....	2,472.34	97.69
			<i>For Welded Cross Bridging, Add</i> .....	130.25	
			<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i> .....	244.58	
05 21 19 00-0006	TON		SLH Open Web Joist, Up To 200' Span, Steel, Bolted Cross Bridging .....	3,180.10	97.69
			<i>For Welded Cross Bridging, Add</i> .....	120.23	
			<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i> .....	333.52	



	<b>Metals</b>	<b>05</b>
	<b>Metal Decking</b>	<b>05 30</b>
	<b>Steel Joist Framing</b>	<b>05 21</b>

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**05 30 Metal Decking** (05)

Note: Includes all connecting bolts and welds.

**05 31 Steel Decking** (05 30)

See CSI section 03 30 00 00-0000 for concrete where required.

**05 31 13 Steel Floor Decking** (05 31)

Note: Floor or roof decking

**05 31 13 00-0001 Open Ribbed Galvanized Steel Deck** (05 31 13)

05 31 13 00-0002	SF 1" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck.....	3.30
	For Painted, Deduct	-0.13
	For Perforated Or Slotted, Add	0.13
	For Site Installed Insulation Between Ribs, Add	0.88
	For Up To 100, Add	0.99
	For >100 To 500, Add	0.55
	For >500 To 1,500, Add	0.18
05 31 13 00-0003	SF 1" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	3.76
	For Painted, Deduct	-0.15
	For Perforated Or Slotted, Add	0.15
	For Site Installed Insulation Between Ribs, Add	1.00
	For Up To 100, Add	1.14
	For >100 To 500, Add	0.63
	For >500 To 1,500, Add	0.21
05 31 13 00-0004	SF 1" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	4.72
	For Painted, Deduct	-0.18
	For Perforated Or Slotted, Add	0.18
	For Site Installed Insulation Between Ribs, Add	1.26
	For Up To 100, Add	1.41
	For >100 To 500, Add	0.78
	For >500 To 1,500, Add	0.26
05 31 13 00-0005	SF 1-1/2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck.....	3.62
	For Painted, Deduct	-0.14
	For Perforated Or Slotted, Add	0.14
	For Site Installed Insulation Between Ribs, Add	0.97
	For Up To 100, Add	1.10
	For >100 To 500, Add	0.61
	For >500 To 1,500, Add	0.21
05 31 13 00-0006	SF 1-1/2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	4.18
	For Painted, Deduct	-0.16
	For Perforated Or Slotted, Add	0.16
	For Site Installed Insulation Between Ribs, Add	1.11
	For Up To 100, Add	1.27
	For >100 To 500, Add	0.70
	For >500 To 1,500, Add	0.24
05 31 13 00-0007	SF 1-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	5.24
	For Painted, Deduct	-0.20
	For Perforated Or Slotted, Add	0.20
	For Site Installed Insulation Between Ribs, Add	1.40
	For Up To 100, Add	1.57
	For >100 To 500, Add	0.87
	For >500 To 1,500, Add	0.29
05 31 13 00-0008	SF 3" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck.....	4.56
	For Painted, Deduct	-0.18
	For Perforated Or Slotted, Add	0.18
	For Site Installed Insulation Between Ribs, Add	1.21
	For Up To 100, Add	1.28
	For >100 To 500, Add	0.73
	For >500 To 1,500, Add	0.23
05 31 13 00-0009	SF 3" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	5.33
	For Painted, Deduct	-0.21
	For Perforated Or Slotted, Add	0.21
	For Site Installed Insulation Between Ribs, Add	1.41
	For Up To 100, Add	1.47
	For >100 To 500, Add	0.85
	For >500 To 1,500, Add	0.26
05 31 13 00-0010	SF 3" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	6.63
	For Painted, Deduct	-0.27
	For Perforated Or Slotted, Add	0.27
	For Site Installed Insulation Between Ribs, Add	1.75
	For Up To 100, Add	1.82
	For >100 To 500, Add	1.05
	For >500 To 1,500, Add	0.32
05 31 13 00-0011	SF 3" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	8.34
	For Painted, Deduct	-0.34
	For Perforated Or Slotted, Add	0.34
	For Site Installed Insulation Between Ribs, Add	2.20
	For Up To 100, Add	2.23
	For >100 To 500, Add	1.30
	For >500 To 1,500, Add	0.39





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0012	SF		4-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	12.19	
			<i>For Painted, Deduct</i>	-0.54	
			<i>For Perforated Or Slotted, Add</i>	0.54	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.15	
			<i>For Up To 100, Add</i>	2.48	
			<i>For &gt;100 To 500, Add</i>	1.64	
			<i>For &gt;500 To 1,500, Add</i>	0.35	
05 31 13 00-0013	SF		4-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	15.43	
			<i>For Painted, Deduct</i>	-0.69	
			<i>For Perforated Or Slotted, Add</i>	0.69	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.98	
			<i>For Up To 100, Add</i>	3.08	
			<i>For &gt;100 To 500, Add</i>	2.06	
			<i>For &gt;500 To 1,500, Add</i>	0.43	
05 31 13 00-0014	SF		6" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	13.91	
			<i>For Painted, Deduct</i>	-0.63	
			<i>For Perforated Or Slotted, Add</i>	0.63	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.57	
			<i>For Up To 100, Add</i>	2.52	
			<i>For &gt;100 To 500, Add</i>	1.77	
			<i>For &gt;500 To 1,500, Add</i>	0.31	
05 31 13 00-0015	SF		6" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	14.64	
			<i>For Painted, Deduct</i>	-0.65	
			<i>For Perforated Or Slotted, Add</i>	0.65	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.78	
			<i>For Up To 100, Add</i>	2.86	
			<i>For &gt;100 To 500, Add</i>	1.93	
			<i>For &gt;500 To 1,500, Add</i>	0.39	
05 31 13 00-0016	SF		6" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	18.28	
			<i>For Painted, Deduct</i>	-0.82	
			<i>For Perforated Or Slotted, Add</i>	0.82	
			<i>For Site Installed Insulation Between Ribs, Add</i>	4.71	
			<i>For Up To 100, Add</i>	3.53	
			<i>For &gt;100 To 500, Add</i>	2.40	
			<i>For &gt;500 To 1,500, Add</i>	0.47	
05 31 13 00-0017	SF		7-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	16.19	
			<i>For Painted, Deduct</i>	-0.72	
			<i>For Perforated Or Slotted, Add</i>	0.72	
			<i>For Site Installed Insulation Between Ribs, Add</i>	4.17	
			<i>For Up To 100, Add</i>	3.16	
			<i>For &gt;100 To 500, Add</i>	2.13	
			<i>For &gt;500 To 1,500, Add</i>	0.43	
05 31 13 00-0018	SF		7-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	20.16	
			<i>For Painted, Deduct</i>	-0.90	
			<i>For Perforated Or Slotted, Add</i>	0.90	
			<i>For Site Installed Insulation Between Ribs, Add</i>	5.20	
			<i>For Up To 100, Add</i>	3.88	
			<i>For &gt;100 To 500, Add</i>	2.64	
			<i>For &gt;500 To 1,500, Add</i>	0.52	
05 31 13 00-0019			<b>Cellular Galvanized Steel Deck</b> <small>(05 31 13)</small>		
			Note: Cellular decking is made of a top ribbed sheet and a flat bottom sheet welded together to create hollow longitudinal cells within the panels.		
05 31 13 00-0020	SF		1" Deep, 22/18 Gauge Cellular Galvanized Steel Deck.....	10.72	
			<i>For Painted, Deduct</i>	-0.47	
			<i>For Perforated Or Slotted, Add</i>	0.47	
			<i>For Insulated Cells, Add</i>	2.12	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.78	
			<i>For Up To 100, Add</i>	2.25	
			<i>For &gt;100 To 500, Add</i>	1.47	
			<i>For &gt;500 To 1,500, Add</i>	0.33	
05 31 13 00-0021	SF		1" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	11.71	
			<i>For Painted, Deduct</i>	-0.50	
			<i>For Perforated Or Slotted, Add</i>	0.50	
			<i>For Insulated Cells, Add</i>	2.24	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.06	
			<i>For Up To 100, Add</i>	2.74	
			<i>For &gt;100 To 500, Add</i>	1.69	
			<i>For &gt;500 To 1,500, Add</i>	0.44	
05 31 13 00-0022	SF		1-1/2" Deep, 22/18 Gauge Cellular Galvanized Steel Deck.....	13.13	
			<i>For Painted, Deduct</i>	-0.59	
			<i>For Perforated Or Slotted, Add</i>	0.59	
			<i>For Insulated Cells, Add</i>	2.65	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.39	
			<i>For Up To 100, Add</i>	2.55	
			<i>For &gt;100 To 500, Add</i>	1.72	
			<i>For &gt;500 To 1,500, Add</i>	0.34	
05 31 13 00-0023	SF		1-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	14.26	
			<i>For Painted, Deduct</i>	-0.62	
			<i>For Perforated Or Slotted, Add</i>	0.62	
			<i>For Insulated Cells, Add</i>	2.80	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.70	
			<i>For Up To 100, Add</i>	3.07	
			<i>For &gt;100 To 500, Add</i>	1.98	
			<i>For &gt;500 To 1,500, Add</i>	0.46	



	<b>Metals</b>	<b>05</b>
	Metal Decking	05 30
	Steel Decking	05 31

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0024 SF 3" Deep, 20/18 Gauge Cellular Galvanized Steel Deck.....	15.08	
For Painted, Deduct	-0.67	
For Perforated Or Slotted, Add	0.67	
For Insulated Cells, Add	3.02	
For Site Installed Insulation Between Ribs, Add	3.89	
For Up To 100, Add	3.02	
For >100 To 500, Add	2.01	
For >500 To 1,500, Add	0.42	
05 31 13 00-0025 SF 3" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	17.97	
For Painted, Deduct	-0.80	
For Perforated Or Slotted, Add	0.80	
For Insulated Cells, Add	3.61	
For Site Installed Insulation Between Ribs, Add	4.64	
For Up To 100, Add	3.53	
For >100 To 500, Add	2.37	
For >500 To 1,500, Add	0.48	
05 31 13 00-0026 SF 3" Deep, 18/16 Gauge Cellular Galvanized Steel Deck.....	20.15	
For Painted, Deduct	-0.90	
For Perforated Or Slotted, Add	0.90	
For Insulated Cells, Add	4.07	
For Site Installed Insulation Between Ribs, Add	5.19	
For Up To 100, Add	3.88	
For >100 To 500, Add	2.64	
For >500 To 1,500, Add	0.52	
05 31 13 00-0027 SF 3" Deep, 16/16 Gauge Cellular Galvanized Steel Deck.....	21.90	
For Painted, Deduct	-0.98	
For Perforated Or Slotted, Add	0.98	
For Insulated Cells, Add	4.40	
For Site Installed Insulation Between Ribs, Add	5.65	
For Up To 100, Add	4.31	
For >100 To 500, Add	2.90	
For >500 To 1,500, Add	0.59	
05 31 13 00-0028 SF 4-1/2" Deep, 20/18 Gauge Cellular Galvanized Steel Deck.....	23.19	
For Painted, Deduct	-1.08	
For Perforated Or Slotted, Add	1.08	
For Insulated Cells, Add	4.85	
For Site Installed Insulation Between Ribs, Add	5.92	
For Up To 100, Add	3.80	
For >100 To 500, Add	2.81	
For >500 To 1,500, Add	0.41	
05 31 13 00-0029 SF 4-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	24.71	
For Painted, Deduct	-1.14	
For Perforated Or Slotted, Add	1.14	
For Insulated Cells, Add	5.12	
For Site Installed Insulation Between Ribs, Add	6.32	
For Up To 100, Add	4.23	
For >100 To 500, Add	3.06	
For >500 To 1,500, Add	0.49	
05 31 13 00-0030 SF 4-1/2" Deep, 18/16 Gauge Cellular Galvanized Steel Deck.....	26.12	
For Painted, Deduct	-1.20	
For Perforated Or Slotted, Add	1.20	
For Insulated Cells, Add	5.40	
For Site Installed Insulation Between Ribs, Add	6.69	
For Up To 100, Add	4.50	
For >100 To 500, Add	3.24	
For >500 To 1,500, Add	0.53	
05 31 13 00-0031 SF 4-1/2" Deep, 16/16 Gauge Cellular Galvanized Steel Deck.....	27.87	
For Painted, Deduct	-1.28	
For Perforated Or Slotted, Add	1.28	
For Insulated Cells, Add	5.76	
For Site Installed Insulation Between Ribs, Add	7.14	
For Up To 100, Add	4.82	
For >100 To 500, Add	3.47	
For >500 To 1,500, Add	0.57	
<b>05 31 23 Steel Roof Decking</b> <small>(05 31)</small>		
See CSI section 05 31 13 00-0000 for Steel floor or roof decking.		
<b>05 31 33 Steel Form Decking</b> <small>(05 31)</small>		
<b>05 31 33 00-0001 Open Ribbed Galvanized Steel Form Deck</b> <small>(05 31 33)</small>		
05 31 33 00-0002 SF 9/16" Deep, 28 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.50	
For Painted, Deduct	-0.10	
For Perforated Or Slotted, Add	0.10	
For Up To 100, Add	0.75	
For >100 To 500, Add	0.42	
For >500 To 1,500, Add	0.14	
05 31 33 00-0003 SF 9/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.65	
For Painted, Deduct	-0.10	
For Perforated Or Slotted, Add	0.10	
For Up To 100, Add	0.79	
For >100 To 500, Add	0.44	
For >500 To 1,500, Add	0.15	

<b>05</b>	<b>Metals</b>
<b>05 30</b>	<b>Metal Decking</b>
<b>05 31</b>	<b>Steel Decking</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31	33 00-0004	SF	9/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	2.91	
			<i>For Painted, Deduct</i>	-0.11	
			<i>For Perforated Or Slotted, Add</i>	0.11	
			<i>For Up To 100, Add</i>	0.89	
			<i>For &gt;100 To 500, Add</i>	0.49	
			<i>For &gt;500 To 1,500, Add</i>	0.17	
05 31	33 00-0005	SF	9/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.13	
			<i>For Painted, Deduct</i>	-0.12	
			<i>For Perforated Or Slotted, Add</i>	0.12	
			<i>For Up To 100, Add</i>	1.00	
			<i>For &gt;100 To 500, Add</i>	0.54	
			<i>For &gt;500 To 1,500, Add</i>	0.19	
05 31	33 00-0006	SF	15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.06	
			<i>For Painted, Deduct</i>	-0.12	
			<i>For Perforated Or Slotted, Add</i>	0.12	
			<i>For Up To 100, Add</i>	0.83	
			<i>For &gt;100 To 500, Add</i>	0.48	
			<i>For &gt;500 To 1,500, Add</i>	0.15	
05 31	33 00-0007	SF	15/16" Deep, 25 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.21	
			<i>For Painted, Deduct</i>	-0.13	
			<i>For Perforated Or Slotted, Add</i>	0.13	
			<i>For Up To 100, Add</i>	0.87	
			<i>For &gt;100 To 500, Add</i>	0.50	
			<i>For &gt;500 To 1,500, Add</i>	0.15	
05 31	33 00-0008	SF	15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.36	
			<i>For Painted, Deduct</i>	-0.13	
			<i>For Perforated Or Slotted, Add</i>	0.13	
			<i>For Up To 100, Add</i>	0.94	
			<i>For &gt;100 To 500, Add</i>	0.54	
			<i>For &gt;500 To 1,500, Add</i>	0.17	
05 31	33 00-0009	SF	15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.55	
			<i>For Painted, Deduct</i>	-0.14	
			<i>For Perforated Or Slotted, Add</i>	0.14	
			<i>For Up To 100, Add</i>	1.04	
			<i>For &gt;100 To 500, Add</i>	0.58	
			<i>For &gt;500 To 1,500, Add</i>	0.19	
05 31	33 00-0010	SF	1-15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.75	
			<i>For Painted, Deduct</i>	-0.15	
			<i>For Perforated Or Slotted, Add</i>	0.15	
			<i>For Up To 100, Add</i>	1.09	
			<i>For &gt;100 To 500, Add</i>	0.61	
			<i>For &gt;500 To 1,500, Add</i>	0.20	
05 31	33 00-0011	SF	1-15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	4.12	
			<i>For Painted, Deduct</i>	-0.17	
			<i>For Perforated Or Slotted, Add</i>	0.17	
			<i>For Up To 100, Add</i>	1.15	
			<i>For &gt;100 To 500, Add</i>	0.66	
			<i>For &gt;500 To 1,500, Add</i>	0.21	
05 31	33 00-0012	SF	1-15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	4.77	
			<i>For Painted, Deduct</i>	-0.19	
			<i>For Perforated Or Slotted, Add</i>	0.19	
			<i>For Up To 100, Add</i>	1.27	
			<i>For &gt;100 To 500, Add</i>	0.74	
			<i>For &gt;500 To 1,500, Add</i>	0.22	
05 31	33 00-0013	SF	1-15/16" Deep, 20 Gauge Open Ribbed Galvanized Steel Form Deck.....	5.28	
			<i>For Painted, Deduct</i>	-0.21	
			<i>For Perforated Or Slotted, Add</i>	0.21	
			<i>For Up To 100, Add</i>	1.44	
			<i>For &gt;100 To 500, Add</i>	0.83	
			<i>For &gt;500 To 1,500, Add</i>	0.25	

### 05 36 Composite Metal Decking (05 30)

See CSI section 03 30 00 00-0000 for concrete.

#### 05 36 00 00-0001 Composite Open Ribbed Galvanized Steel Deck (05 36)

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab.

05 36	00 00-0002	SF	1-1/2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	3.79	
			<i>For Painted, Deduct</i>	-0.15	
			<i>For Perforated Or Slotted, Add</i>	0.15	
			<i>For Up To 100, Add</i>	1.09	
			<i>For &gt;100 To 500, Add</i>	0.62	
			<i>For &gt;500 To 1,500, Add</i>	0.20	
05 36	00 00-0003	SF	1-1/2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.03	
			<i>For Painted, Deduct</i>	-0.16	
			<i>For Perforated Or Slotted, Add</i>	0.16	
			<i>For Up To 100, Add</i>	1.20	
			<i>For &gt;100 To 500, Add</i>	0.67	
			<i>For &gt;500 To 1,500, Add</i>	0.22	
05 36	00 00-0004	SF	1-1/2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.43	
			<i>For Painted, Deduct</i>	-0.17	
			<i>For Perforated Or Slotted, Add</i>	0.17	
			<i>For Up To 100, Add</i>	1.43	
			<i>For &gt;100 To 500, Add</i>	0.77	
			<i>For &gt;500 To 1,500, Add</i>	0.28	



<b>Metals</b>	<b>05</b>	<b>05</b>
<b>Metal Decking</b>	<b>05 30</b>	
<b>Composite Metal Decking</b>	<b>05 36</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0005 SF 1-1/2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.75	
For Painted, Deduct	-0.17	
For Perforated Or Slotted, Add	0.17	
For Up To 100, Add	1.65	
For >100 To 500, Add	0.87	
For >500 To 1,500, Add	0.33	
05 36 00 00-0006 SF 2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.03	
For Painted, Deduct	-0.16	
For Perforated Or Slotted, Add	0.16	
For Up To 100, Add	1.20	
For >100 To 500, Add	0.67	
For >500 To 1,500, Add	0.22	
05 36 00 00-0007 SF 2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.35	
For Painted, Deduct	-0.17	
For Perforated Or Slotted, Add	0.17	
For Up To 100, Add	1.32	
For >100 To 500, Add	0.73	
For >500 To 1,500, Add	0.25	
05 36 00 00-0008 SF 2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.74	
For Painted, Deduct	-0.18	
For Perforated Or Slotted, Add	0.18	
For Up To 100, Add	1.55	
For >100 To 500, Add	0.83	
For >500 To 1,500, Add	0.30	
05 36 00 00-0009 SF 2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.09	
For Painted, Deduct	-0.18	
For Perforated Or Slotted, Add	0.18	
For Up To 100, Add	1.77	
For >100 To 500, Add	0.93	
For >500 To 1,500, Add	0.35	
05 36 00 00-0010 SF 3" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.24	
For Painted, Deduct	-0.17	
For Perforated Or Slotted, Add	0.17	
For Up To 100, Add	1.24	
For >100 To 500, Add	0.70	
For >500 To 1,500, Add	0.23	
05 36 00 00-0011 SF 3" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.52	
For Painted, Deduct	-0.17	
For Perforated Or Slotted, Add	0.17	
For Up To 100, Add	1.39	
For >100 To 500, Add	0.76	
For >500 To 1,500, Add	0.26	
05 36 00 00-0012 SF 3" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	4.97	
For Painted, Deduct	-0.18	
For Perforated Or Slotted, Add	0.18	
For Up To 100, Add	1.65	
For >100 To 500, Add	0.88	
For >500 To 1,500, Add	0.32	
05 36 00 00-0013 SF 3" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.47	
For Painted, Deduct	-0.20	
For Perforated Or Slotted, Add	0.20	
For Up To 100, Add	1.92	
For >100 To 500, Add	1.00	
For >500 To 1,500, Add	0.38	
 05 36 00 00-0014 Composite Cellular Galvanized Steel Deck <small>(05 36)</small>		
Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab. Cellular decking is made of a top ribbed sheet and a bottom flat sheet welded together to create hollow longitudinal cells within the panels.		
05 36 00 00-0015 SF 1-1/2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	6.97	
For Painted, Deduct	-0.28	
For Perforated Or Slotted, Add	0.28	
For Insulated Cells, Add	1.25	
For Up To 100, Add	1.98	
For >100 To 500, Add	1.13	
For >500 To 1,500, Add	0.36	
05 36 00 00-0016 SF 1-1/2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	7.42	
For Painted, Deduct	-0.29	
For Perforated Or Slotted, Add	0.29	
For Insulated Cells, Add	1.31	
For Up To 100, Add	2.17	
For >100 To 500, Add	1.22	
For >500 To 1,500, Add	0.40	
05 36 00 00-0017 SF 1-1/2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	7.48	
For Painted, Deduct	-0.29	
For Perforated Or Slotted, Add	0.29	
For Insulated Cells, Add	1.31	
For Up To 100, Add	2.23	
For >100 To 500, Add	1.24	
For >500 To 1,500, Add	0.41	

## 05 Metals

## 05 30 Metal Decking

## 05 36 Composite Metal Decking



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0018	SF	1-1/2"	Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	7.88	
			<i>For Painted, Deduct</i>	-0.30	
			<i>For Perforated Or Slotted, Add</i>	0.30	
			<i>For Insulated Cells, Add</i>	1.36	
			<i>For Up To 100, Add</i>	2.44	
			<i>For &gt;100 To 500, Add</i>	1.34	
			<i>For &gt;500 To 1,500, Add</i>	0.46	
05 36 00 00-0019	SF	1-1/2"	Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	8.42	
			<i>For Painted, Deduct</i>	-0.32	
			<i>For Perforated Or Slotted, Add</i>	0.32	
			<i>For Insulated Cells, Add</i>	1.45	
			<i>For Up To 100, Add</i>	2.62	
			<i>For &gt;100 To 500, Add</i>	1.44	
			<i>For &gt;500 To 1,500, Add</i>	0.50	
05 36 00 00-0020	SF	1-1/2"	Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	8.48	
			<i>For Painted, Deduct</i>	-0.32	
			<i>For Perforated Or Slotted, Add</i>	0.32	
			<i>For Insulated Cells, Add</i>	1.45	
			<i>For Up To 100, Add</i>	2.68	
			<i>For &gt;100 To 500, Add</i>	1.46	
			<i>For &gt;500 To 1,500, Add</i>	0.51	
05 36 00 00-0021	SF	1-1/2"	Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	8.89	
			<i>For Painted, Deduct</i>	-0.33	
			<i>For Perforated Or Slotted, Add</i>	0.33	
			<i>For Insulated Cells, Add</i>	1.50	
			<i>For Up To 100, Add</i>	2.90	
			<i>For &gt;100 To 500, Add</i>	1.56	
			<i>For &gt;500 To 1,500, Add</i>	0.56	
05 36 00 00-0022	SF	2"	Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	7.17	
			<i>For Painted, Deduct</i>	-0.28	
			<i>For Perforated Or Slotted, Add</i>	0.28	
			<i>For Insulated Cells, Add</i>	1.27	
			<i>For Up To 100, Add</i>	2.09	
			<i>For &gt;100 To 500, Add</i>	1.17	
			<i>For &gt;500 To 1,500, Add</i>	0.38	
05 36 00 00-0023	SF	2"	Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	7.55	
			<i>For Painted, Deduct</i>	-0.30	
			<i>For Perforated Or Slotted, Add</i>	0.30	
			<i>For Insulated Cells, Add</i>	1.33	
			<i>For Up To 100, Add</i>	2.24	
			<i>For &gt;100 To 500, Add</i>	1.25	
			<i>For &gt;500 To 1,500, Add</i>	0.41	
05 36 00 00-0024	SF	2"	Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	7.61	
			<i>For Painted, Deduct</i>	-0.30	
			<i>For Perforated Or Slotted, Add</i>	0.30	
			<i>For Insulated Cells, Add</i>	1.33	
			<i>For Up To 100, Add</i>	2.30	
			<i>For &gt;100 To 500, Add</i>	1.27	
			<i>For &gt;500 To 1,500, Add</i>	0.43	
05 36 00 00-0025	SF	2"	Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	8.12	
			<i>For Painted, Deduct</i>	-0.31	
			<i>For Perforated Or Slotted, Add</i>	0.31	
			<i>For Insulated Cells, Add</i>	1.40	
			<i>For Up To 100, Add</i>	2.51	
			<i>For &gt;100 To 500, Add</i>	1.38	
			<i>For &gt;500 To 1,500, Add</i>	0.47	
05 36 00 00-0026	SF	2"	Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	8.56	
			<i>For Painted, Deduct</i>	-0.33	
			<i>For Perforated Or Slotted, Add</i>	0.33	
			<i>For Insulated Cells, Add</i>	1.47	
			<i>For Up To 100, Add</i>	2.69	
			<i>For &gt;100 To 500, Add</i>	1.47	
			<i>For &gt;500 To 1,500, Add</i>	0.51	
05 36 00 00-0027	SF	2"	Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	8.65	
			<i>For Painted, Deduct</i>	-0.33	
			<i>For Perforated Or Slotted, Add</i>	0.33	
			<i>For Insulated Cells, Add</i>	1.47	
			<i>For Up To 100, Add</i>	2.78	
			<i>For &gt;100 To 500, Add</i>	1.50	
			<i>For &gt;500 To 1,500, Add</i>	0.53	
05 36 00 00-0028	SF	2"	Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	9.10	
			<i>For Painted, Deduct</i>	-0.34	
			<i>For Perforated Or Slotted, Add</i>	0.34	
			<i>For Insulated Cells, Add</i>	1.53	
			<i>For Up To 100, Add</i>	2.97	
			<i>For &gt;100 To 500, Add</i>	1.60	
			<i>For &gt;500 To 1,500, Add</i>	0.57	
05 36 00 00-0029	SF	3"	Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	7.20	
			<i>For Painted, Deduct</i>	-0.28	
			<i>For Perforated Or Slotted, Add</i>	0.28	
			<i>For Insulated Cells, Add</i>	1.28	
			<i>For Up To 100, Add</i>	2.09	
			<i>For &gt;100 To 500, Add</i>	1.18	
			<i>For &gt;500 To 1,500, Add</i>	0.38	



<b>Metals</b>	<b>05</b>	<b>05</b>
Metal Decking	05 30	
Composite Metal Decking	05 36	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0030 SF 3" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	7.58	
For Painted, Deduct	-0.30	
For Perforated Or Slotted, Add	0.30	
For Insulated Cells, Add	1.33	
For Up To 100, Add	2.27	
For >100 To 500, Add	1.26	
For >500 To 1,500, Add	0.42	
05 36 00 00-0031 SF 3" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	7.67	
For Painted, Deduct	-0.30	
For Perforated Or Slotted, Add	0.30	
For Insulated Cells, Add	1.33	
For Up To 100, Add	2.36	
For >100 To 500, Add	1.30	
For >500 To 1,500, Add	0.44	
05 36 00 00-0032 SF 3" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	8.18	
For Painted, Deduct	-0.31	
For Perforated Or Slotted, Add	0.31	
For Insulated Cells, Add	1.41	
For Up To 100, Add	2.55	
For >100 To 500, Add	1.39	
For >500 To 1,500, Add	0.48	
05 36 00 00-0033 SF 3" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	8.69	
For Painted, Deduct	-0.33	
For Perforated Or Slotted, Add	0.33	
For Insulated Cells, Add	1.49	
For Up To 100, Add	2.73	
For >100 To 500, Add	1.49	
For >500 To 1,500, Add	0.52	
05 36 00 00-0034 SF 3" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	8.82	
For Painted, Deduct	-0.33	
For Perforated Or Slotted, Add	0.33	
For Insulated Cells, Add	1.49	
For Up To 100, Add	2.86	
For >100 To 500, Add	1.54	
For >500 To 1,500, Add	0.55	
05 36 00 00-0035 SF 3" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	9.16	
For Painted, Deduct	-0.34	
For Perforated Or Slotted, Add	0.34	
For Insulated Cells, Add	1.53	
For Up To 100, Add	3.03	
For >100 To 500, Add	1.62	
For >500 To 1,500, Add	0.59	

**05 36 00 00-0036 Non-Cellular, Composite Deck, Galvanized (05 36)**

05 36 00 00-0037 SF 1" Deep x 16 Gauge Composite Metal Deck Galvanized, Non Cellular.....	5.73	
05 36 00 00-0038 SF 1" Deep x 18 Gauge Composite Metal Deck Galvanized, Non Cellular.....	4.64	
05 36 00 00-0039 SF 1" Deep x 20 Gauge Composite Metal Deck Galvanized, Non Cellular.....	3.80	
05 36 00 00-0040 SF 1" Deep x 22 Gauge Composite Metal Deck Galvanized, Non Cellular.....	3.24	
05 36 00 00-0041 SF 1-1/2" Deep x 16 Gauge Composite Metal Deck Galvanized, Non Cellular.....	6.33	
05 36 00 00-0042 SF 1-1/2" Deep x 18 Gauge Composite Metal Deck Galvanized, Non Cellular.....	5.08	
05 36 00 00-0043 SF 1-1/2" Deep x 20 Gauge Composite Metal Deck Galvanized, Non Cellular.....	4.16	
05 36 00 00-0044 SF 1-1/2" Deep x 22 Gauge Composite Metal Deck Galvanized, Non Cellular.....	3.55	
05 36 00 00-0045 SF 3" Deep x 16 Gauge Composite Metal Deck Galvanized, Non Cellular.....	7.25	
05 36 00 00-0046 SF 3" Deep x 18 Gauge Composite Metal Deck Galvanized, Non Cellular.....	5.72	
05 36 00 00-0047 SF 3" Deep x 20 Gauge Composite Metal Deck Galvanized, Non Cellular.....	4.74	
05 36 00 00-0048 SF 3" Deep x 22 Gauge Composite Metal Deck Galvanized, Non Cellular.....	4.25	

**05 40 Cold-Formed Metal Framing (05)**

Note: Includes all connecting bolts and welds.

**05 41 Structural Metal Stud Framing (05 40)**

Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.

**05 41 00 00-0001 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners (05 41)**

05 41 00 00-0002 SF 2-1/2" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	2.20	0.34
For Walls >10' High, Add	0.44	
For Curved Wall, Add	0.24	
For Up To 200, Add	0.60	
For >200 To 500, Add	0.30	
For 12" On Center, Add	0.40	
For 24" On Center, Deduct	-0.40	
05 41 00 00-0003 SF 3-5/8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	2.47	0.34
For Walls >10' High, Add	0.49	
For Curved Wall, Add	0.26	
For Up To 200, Add	0.66	
For >200 To 500, Add	0.33	
For 12" On Center, Add	0.45	
For 24" On Center, Deduct	-0.45	

**05 Metals****05 40 Cold-Formed Metal Framing****05 41 Structural Metal Stud Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 41 00 00-0004 SF 4" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	2.59	0.34
For Walls >10' High, Add	0.52	
For Curved Wall, Add	0.27	
For Up To 200, Add	0.70	
For >200 To 500, Add	0.35	
For 12" On Center, Add	0.47	
For 24" On Center, Deduct	-0.47	
05 41 00 00-0005 SF 6" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	3.37	0.38
For Walls >10' High, Add	0.67	
For Curved Wall, Add	0.28	
For Up To 200, Add	0.86	
For >200 To 500, Add	0.43	
For 12" On Center, Add	0.63	
For 24" On Center, Deduct	-0.63	
05 41 00 00-0006 SF 8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	3.78	0.42
For Walls >10' High, Add	0.76	
For Curved Wall, Add	0.29	
For Up To 200, Add	0.95	
For >200 To 500, Add	0.47	
For 12" On Center, Add	0.71	
For 24" On Center, Deduct	-0.71	
<b>05 41 00 00-0007 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners<sup>(05 41)</sup></b>		
05 41 00 00-0008 SF 2-1/2" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners .....	2.37	0.34
For Walls >10' High, Add	0.47	
For Curved Wall, Add	0.26	
For Up To 200, Add	0.64	
For >200 To 500, Add	0.32	
For 12" On Center, Add	0.43	
For 24" On Center, Deduct	-0.43	
05 41 00 00-0009 SF 3-5/8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners .....	2.78	0.35
For Walls >10' High, Add	0.56	
For Curved Wall, Add	0.27	
For Up To 200, Add	0.74	
For >200 To 500, Add	0.37	
For 12" On Center, Add	0.51	
For 24" On Center, Deduct	-0.51	
05 41 00 00-0010 SF 4" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	2.93	0.35
For Walls >10' High, Add	0.59	
For Curved Wall, Add	0.28	
For Up To 200, Add	0.77	
For >200 To 500, Add	0.39	
For 12" On Center, Add	0.54	
For 24" On Center, Deduct	-0.54	
05 41 00 00-0011 SF 6" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	3.79	0.42
For Walls >10' High, Add	0.76	
For Curved Wall, Add	0.29	
For Up To 200, Add	0.95	
For >200 To 500, Add	0.48	
For 12" On Center, Add	0.71	
For 24" On Center, Deduct	-0.71	
05 41 00 00-0012 SF 8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	4.19	0.46
For Walls >10' High, Add	0.84	
For Curved Wall, Add	0.31	
For Up To 200, Add	1.04	
For >200 To 500, Add	0.52	
For 12" On Center, Add	0.79	
For 24" On Center, Deduct	-0.79	
<b>05 41 00 00-0013 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners<sup>(05 41)</sup></b>		
05 41 00 00-0014 SF 3-5/8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners .....	3.29	0.48
For Walls >10' High, Add	0.66	
For Curved Wall, Add	0.32	
For Up To 200, Add	0.87	
For >200 To 500, Add	0.44	
For 12" On Center, Add	0.60	
For 24" On Center, Deduct	-0.60	
05 41 00 00-0015 SF 4" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	3.39	0.49
For Walls >10' High, Add	0.68	
For Curved Wall, Add	0.33	
For Up To 200, Add	0.90	
For >200 To 500, Add	0.45	
For 12" On Center, Add	0.62	
For 24" On Center, Deduct	-0.62	
05 41 00 00-0016 SF 6" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	4.33	0.52
For Walls >10' High, Add	0.87	
For Curved Wall, Add	0.34	
For Up To 200, Add	1.09	
For >200 To 500, Add	0.55	
For 12" On Center, Add	0.81	
For 24" On Center, Deduct	-0.81	



<b>Metals</b>	<b>05</b>	<b>05</b>
Cold-Formed Metal Framing	05 40	
Structural Metal Stud Framing	05 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 41 00 00-0017 SF 8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	4.79	0.54
<i>For Walls &gt;10' High, Add</i>	0.96	
<i>For Curved Wall, Add</i>	0.36	
<i>For Up To 200, Add</i>	1.20	
<i>For &gt;200 To 500, Add</i>	0.60	
<i>For 12" On Center, Add</i>	0.90	
<i>For 24" On Center, Deduct</i>	-0.90	
<b>05 42 Cold-Formed Metal Joist Framing</b> (05 40)		
<b>05 42 13 Cold-Formed Metal Floor Joist Framing</b> (05 42)		
Note: Floor or roof joist framing		
05 42 13 00-0001 Steel Joists, 20 Gauge (05 42 13)		
05 42 13 00-0002 LF 5-1/2" - 20 Gauge Steel Joists .....	4.88	0.83
05 42 13 00-0003 LF 6" - 20 Gauge Steel Joists .....	5.24	1.04
05 42 13 00-0004 LF 7-1/4" - 20 Gauge Steel Joists .....	5.63	1.14
05 42 13 00-0005 LF 8" - 20 Gauge Steel Joists .....	6.36	1.21
05 42 13 00-0006 Steel Joists, 18 Gauge (05 42 13)		
05 42 13 00-0007 LF 5-1/2" - 18 Gauge Steel Joists .....	5.43	0.92
05 42 13 00-0008 LF 6" - 18 Gauge Steel Joists .....	5.84	1.16
05 42 13 00-0009 LF 7-1/4" - 18 Gauge Steel Joists .....	6.30	1.27
05 42 13 00-0010 LF 8" - 18 Gauge Steel Joists .....	6.46	1.35
05 42 13 00-0011 Steel Joists, 16 Gauge (05 42 13)		
05 42 13 00-0012 LF 7-1/4" - 16 Gauge Steel Joists .....	6.87	1.28
05 42 13 00-0013 LF 8" - 16 Gauge Steel Joists .....	7.26	1.35
05 42 13 00-0014 Steel Joists, 14 Gauge (05 42 13)		
05 42 13 00-0015 LF 9-1/4" - 14 Gauge Steel Joists .....	8.31	1.35
05 42 13 00-0016 LF 11-1/2" - 14 Gauge Steel Joists .....	9.04	1.42
05 42 13 00-0017 Steel Joists, 12 Gauge (05 42 13)		
05 42 13 00-0018 LF 9-1/4" - 12 Gauge Steel Joists .....	9.96	1.49
05 42 13 00-0019 LF 11-1/2" - 12 Gauge Steel Joists .....	10.92	1.57
05 42 13 00-0020 Steel Joists, 10 Gauge (05 42 13)		
05 42 13 00-0021 LF 9-1/4" - 10 Gauge Steel Joists .....	11.62	1.64
05 42 13 00-0022 LF 11-1/2" - 10 Gauge Steel Joists .....	12.83	1.72
05 42 13 00-0023 Steel Joists, 8 Gauge (05 42 13)		
05 42 13 00-0024 LF 9-1/4" - 8 Gauge Steel Joists .....	13.32	1.80
05 42 13 00-0025 LF 11-1/2" - 8 Gauge Steel Joists .....	14.73	1.89
<b>05 42 23 Cold-Formed Metal Roof Joist Framing</b> (05 42)		
See CSI section 05 42 13 00-0000 for metal joist framing.		
<b>05 43 Slotted Channel Framing</b> (05 40)		
05 43 00 00-0001 Unistrut Channel (05 43)		
Note: Excludes fasteners and accessories.		
05 43 00 00-0002 Steel Unistrut Channel (05 43 00 00-0001)		
05 43 00 00-0003 LF 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel .....	7.62	1.46
<i>For Powder Coating, Add</i>	0.70	
<i>For Galvanizing, Add</i>	0.80	
05 43 00 00-0004 LF 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel .....	7.85	1.46
<i>For Powder Coating, Add</i>	0.74	
<i>For Galvanizing, Add</i>	0.84	
05 43 00 00-0005 LF 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel .....	8.19	1.46
<i>For Powder Coating, Add</i>	0.79	
<i>For Galvanizing, Add</i>	0.89	
05 43 00 00-0006 LF 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel .....	7.16	1.46
<i>For Powder Coating, Add</i>	0.63	
<i>For Galvanizing, Add</i>	0.72	
05 43 00 00-0007 LF 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel .....	6.17	1.46
<i>For Powder Coating, Add</i>	0.49	
<i>For Galvanizing, Add</i>	0.55	
05 43 00 00-0008 Stainless Steel Unistrut Channel (05 43 00 00-0001)		
05 43 00 00-0009 304 Stainless Steel Unistrut Channel (05 43 00 00-0008)		



**05 Metals****05 40 Cold-Formed Metal Framing****05 43 Slotted Channel Framing**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
05 43 00 00-0010	LF	1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....		17.97	1.46
05 43 00 00-0011	LF	1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....		21.65	1.46
05 43 00 00-0012	LF	1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....		20.74	1.46
05 43 00 00-0013	LF	1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....		26.42	1.46
<b>05 43 00 00-0014</b>		<b>316 Stainless Steel Unistrut Channel (05 43 00 00-0008)</b>			
05 43 00 00-0015	LF	1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel.....		29.90	1.46
<b>05 43 00 00-0016</b>		<b>Unistrut Closure Strips (05 43)</b>			
05 43 00 00-0017	LF	Steel Raceway Closure Strip For Unistrut Channel.....		4.18	0.32
<b>05 43 00 00-0018</b>		<b>Lock Nuts With Spring For Unistrut Channel (05 43)</b>			
		Note: Includes hex bolt.			
<b>05 43 00 00-0019</b>		<b>Steel Lock Nuts With Spring For Unistrut Channel (05 43 00 00-0018)</b>			
		Note: Includes hex bolt.			
05 43 00 00-0020	EA	1/4-20, Steel Lock Nut With Spring For Unistrut Channel.....		4.61	
05 43 00 00-0021	EA	3/8-16, Steel Lock Nut With Spring For Unistrut Channel.....		5.09	
05 43 00 00-0022	EA	1/2-13, Steel Lock Nut With Spring For Unistrut Channel.....		5.45	
05 43 00 00-0023	EA	5/8-11, Steel Lock Nut With Spring For Unistrut Channel.....		7.41	
<b>05 43 00 00-0024</b>		<b>Stainless Steel Lock Nuts With Spring For Unistrut Channel (05 43 00 00-0018)</b>			
		Note: Includes hex bolt.			
05 43 00 00-0025	EA	1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....		10.15	
05 43 00 00-0026	EA	3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....		10.82	
05 43 00 00-0027	EA	1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....		15.44	
05 43 00 00-0028	EA	5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel.....		26.64	
<b>05 43 00 00-0029</b>		<b>Lock Nuts Without Spring For Unistrut Channel (05 43)</b>			
		Note: Includes hex bolt.			
<b>05 43 00 00-0030</b>		<b>Steel Lock Nuts Without Spring For Unistrut Channel (05 43 00 00-0029)</b>			
		Note: Includes hex bolt.			
05 43 00 00-0031	EA	1/4-20, Steel Lock Nut Without Spring For Unistrut Channel.....		4.62	
05 43 00 00-0032	EA	3/8-16, Steel Lock Nut Without Spring For Unistrut Channel.....		5.16	
05 43 00 00-0033	EA	1/2-13, Steel Lock Nut Without Spring For Unistrut Channel.....		5.48	
05 43 00 00-0034	EA	5/8-11, Steel Lock Nut Without Spring For Unistrut Channel.....		7.97	
<b>05 43 00 00-0035</b>		<b>Stainless Steel Lock Nuts Without Spring For Unistrut Channel (05 43 00 00-0029)</b>			
		Note: Includes hex bolt.			
05 43 00 00-0036	EA	1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....		7.18	
05 43 00 00-0037	EA	3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....		8.72	
05 43 00 00-0038	EA	1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....		9.54	
05 43 00 00-0039	EA	5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....		25.94	
<b>05 43 00 00-0040</b>		<b>Beam Clamp For Unistrut Channel (05 43)</b>			
05 43 00 00-0041	EA	Unistrut Beam Clamp, 1-5/8" Channel P2675.....		13.71	4.86
05 43 00 00-0042	EA	Unistrut Beam Clamp, 1-5/8" Channel P2676.....		17.43	4.86
05 43 00 00-0043	EA	Add For Unistrut Swivel Nut, P2676.....		2.02	
<b>05 43 00 00-0044</b>		<b>Beam Clamp Clevis Hangers For Unistrut Channel (05 43)</b>			
05 43 00 00-0045	EA	Up To 3/8" Rod, Beam Clamp Clevis Hanger (Unistrut P2674).....		15.00	4.86
05 43 00 00-0046	EA	Up To 1/2" Rod, Beam Clamp Clevis Hanger (Unistrut P2677).....		17.96	4.86
05 43 00 00-0047	EA	Add For Unistrut Swivel Nut.....		2.02	
05 43 00 00-0048	EA	6-Hole Electrogalvanized Steel Shelf Bracket For Unistrut.....		101.31	6.48
<b>05 43 00 00-0049</b>		<b>Pipe And Rigid Conduit Clamps (05 43)</b>			
<b>05 43 00 00-0050</b>		<b>Pipe And Rigid Conduit Clamps (05 43 00 00-0049)</b>			
		Note: Includes stainless steel (316) hardware.			
05 43 00 00-0051	PR	1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....		5.70	1.39
05 43 00 00-0052	PR	3/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....		5.88	1.39
05 43 00 00-0053	PR	1" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....		6.57	1.68
05 43 00 00-0054	PR	1-1/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....		6.93	1.83
05 43 00 00-0055	PR	1-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....		9.20	2.06
05 43 00 00-0056	PR	2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....		9.20	2.06
05 43 00 00-0057	PR	2-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....		13.73	3.45
05 43 00 00-0058	PR	3" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....		14.08	3.45
05 43 00 00-0059	PR	3-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....		14.89	3.82
05 43 00 00-0060	PR	4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware.....		16.57	4.11



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>05 43 00 00-0061</b>	<b>Pipe And Rigid Conduit Clamps</b> <small>(05 43 00 00-0049)</small>		
	Note: Includes nylon hardware.		
05 43 00 00-0062	PR 1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware .....	6.22	1.39
05 43 00 00-0063	PR 3/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware .....	6.43	1.39
05 43 00 00-0064	PR 1" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware .....	7.12	1.68
05 43 00 00-0065	PR 1-1/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware .....	7.50	1.83
05 43 00 00-0066	PR 1-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware .....	10.11	2.06
05 43 00 00-0067	PR 2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware .....	10.11	2.06
05 43 00 00-0068	PR 2-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware .....	14.94	3.45
05 43 00 00-0069	PR 3" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware .....	15.36	3.45
05 43 00 00-0070	PR 3-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware .....	16.19	3.82
05 43 00 00-0071	PR 4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware .....	18.05	4.11

**05 44 Cold-Formed Metal Trusses** (05 40)

**05 44 13 Cold-Formed Metal Roof Trusses** (05 44)

**05 44 13 00-0001 Metal Trusses** (05 44 13)

**05 44 13 00-0002 4:12 Pitch Metal Trusses** (05 44 13 00-0001)

05 44 13 00-0003	EA 28' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch .....	304.56	59.26
	For 4" Chords, Deduct	-56.05	
	For 14 Gauge, Add	74.86	
	For 16 Gauge, Add	29.17	
05 44 13 00-0004	EA 30' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch .....	316.68	59.79
	For 4" Chords, Deduct	-59.66	
	For 14 Gauge, Add	78.44	
	For 16 Gauge, Add	30.94	
05 44 13 00-0005	EA 32' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch .....	326.16	60.31
	For 4" Chords, Deduct	-62.40	
	For 14 Gauge, Add	81.21	
	For 16 Gauge, Add	32.28	
05 44 13 00-0006	EA 34' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch .....	345.68	63.29
	For 4" Chords, Deduct	-66.61	
	For 14 Gauge, Add	86.28	
	For 16 Gauge, Add	34.42	
05 44 13 00-0007	EA 36' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch .....	362.56	66.28
	For 4" Chords, Deduct	-69.94	
	For 14 Gauge, Add	90.52	
	For 16 Gauge, Add	36.14	
05 44 13 00-0008	EA 38' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch .....	372.37	66.91
	For 4" Chords, Deduct	-72.70	
	For 14 Gauge, Add	93.36	
	For 16 Gauge, Add	37.50	
05 44 13 00-0009	EA 40' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch .....	384.82	67.53
	For 4" Chords, Deduct	-76.34	
	For 14 Gauge, Add	97.01	
	For 16 Gauge, Add	39.29	
05 44 13 00-0010	EA 42' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch .....	402.88	70.92
	For 4" Chords, Deduct	-79.77	
	For 14 Gauge, Add	101.49	
	For 16 Gauge, Add	41.06	
05 44 13 00-0011	EA 44' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch .....	423.57	74.28
	For 4" Chords, Deduct	-84.06	
	For 14 Gauge, Add	106.79	
	For 16 Gauge, Add	43.26	
05 44 13 00-0012	EA 46' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch .....	441.62	77.67
	For 4" Chords, Deduct	-87.48	
	For 14 Gauge, Add	111.27	
	For 16 Gauge, Add	45.03	
05 44 13 00-0013	EA 48' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch .....	462.32	81.04
	For 4" Chords, Deduct	-91.78	
	For 14 Gauge, Add	116.57	
	For 16 Gauge, Add	47.23	

**05 44 13 00-0014 5:12 To 6:12 Pitch Metal Trusses** (05 44 13 00-0001)

05 44 13 00-0015	EA 28' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch .....	366.47	73.74
	For 4" Chords, Deduct	-65.63	
	For 14 Gauge, Add	89.27	
	For 16 Gauge, Add	34.30	
05 44 13 00-0016	EA 30' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch .....	379.16	74.45
	For 4" Chords, Deduct	-69.29	
	For 14 Gauge, Add	92.97	
	For 16 Gauge, Add	36.10	
05 44 13 00-0017	EA 32' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch .....	391.84	75.16
	For 4" Chords, Deduct	-72.94	
	For 14 Gauge, Add	96.67	
	For 16 Gauge, Add	37.89	
05 44 13 00-0018	EA 34' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch .....	417.23	80.10
	For 4" Chords, Deduct	-77.61	
	For 14 Gauge, Add	102.91	
	For 16 Gauge, Add	40.32	

**05 Metals****05 40 Cold-Formed Metal Framing****05 44 Cold-Formed Metal Trusses**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 44	13 00-0019	EA	36' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch .....	442.64	85.05
			<i>For 4" Chords, Deduct</i>	-82.29	
			<i>For 14 Gauge, Add</i>	109.15	
			<i>For 16 Gauge, Add</i>	42.76	
05 44	13 00-0020	EA	38' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch .....	398.78	85.94
			<i>For 4" Chords, Deduct</i>	-81.42	
			<i>For 14 Gauge, Add</i>	101.54	
			<i>For 16 Gauge, Add</i>	41.73	
05 44	13 00-0021	EA	40' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch .....	469.12	86.83
			<i>For 4" Chords, Deduct</i>	-89.68	
			<i>For 14 Gauge, Add</i>	116.77	
			<i>For 16 Gauge, Add</i>	46.40	
05 44	13 00-0022	EA	42' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch .....	492.72	91.18
			<i>For 4" Chords, Deduct</i>	-94.22	
			<i>For 14 Gauge, Add</i>	122.65	
			<i>For 16 Gauge, Add</i>	48.75	
05 44	13 00-0023	EA	44' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch .....	516.31	95.52
			<i>For 4" Chords, Deduct</i>	-98.74	
			<i>For 14 Gauge, Add</i>	128.53	
			<i>For 16 Gauge, Add</i>	51.09	
05 44	13 00-0024	EA	46' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch .....	539.89	99.86
			<i>For 4" Chords, Deduct</i>	-103.27	
			<i>For 14 Gauge, Add</i>	134.41	
			<i>For 16 Gauge, Add</i>	53.43	
05 44	13 00-0025	EA	48' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch .....	563.49	104.20
			<i>For 4" Chords, Deduct</i>	-107.80	
			<i>For 14 Gauge, Add</i>	140.29	
			<i>For 16 Gauge, Add</i>	55.77	

**05 45 Metal Support Assemblies** (05 40)**05 45 13 Mechanical Metal Supports** (05 45)

See CSI section 23 05 29 00-0000 for metal supports.

**05 45 16 Electrical Metal Supports** (05 45)

See CSI section 26 05 29 00-0000 for metal supports.

**05 50 Metal Fabrications** (05)**05 51 Metal Stairs** (05 50)**05 51 13 Metal Pan Stairs** (05 51)

Note: Open concrete filled metal pan stair and landing including steel stringer, safety nosing and concrete. Excludes handrail. See CSI section 05 52 13 00-0000 for handrails.

**05 51 13 00-0001 Open Concrete Filled Metal Pan Stair And Landing** (05 51 13)

Note: Includes steel stringer, safety nosing and concrete. Excludes handrail.

05 51	13 00-0002	RSR	3'-6" Wide Open Concrete Filled Metal Pan Tread Stair .....	585.36	28.57
			<i>For Closed Riser, Add</i>	67.66	
05 51	13 00-0003	RSR	4'-0" Wide Open Concrete Filled Metal Pan Tread Stair .....	665.11	33.49
			<i>For Closed Riser, Add</i>	76.80	
05 51	13 00-0004	RSR	5'-0" Wide Open Concrete Filled Metal Pan Tread Stair .....	740.78	39.23
			<i>For Closed Riser, Add</i>	85.36	
05 51	13 00-0005	SF	Concrete Filled Steel Pan Landing .....	64.92	3.14
			Note: Conventional shape.		

**05 51 19 Metal Grating Stairs** (05 51)

Note: Open steel grating tread metal stair and landing including steel stringers, safety nosing and 2 pipe handrail.

**05 51 19 00-0001 Open Steel Grating Tread Metal Stair And Landing** (05 51 19)

Note: Includes steel stringers, safety nosing and 2 pipe handrail.

05 51	19 00-0002	RSR	3'-6" Wide Open Steel Grating Tread Metal Stair .....	283.76	25.11
			<i>For Closed Riser, Add</i>	34.13	
			<i>For Galvanized Steel, Add</i>	58.39	
05 51	19 00-0003	RSR	4'-0" Wide Open Steel Grating Tread Metal Stair .....	302.41	28.87
			<i>For Closed Riser, Add</i>	36.14	
			<i>For Galvanized Steel, Add</i>	61.17	
05 51	19 00-0004	RSR	5'-0" Wide Open Steel Grating Tread Metal Stair .....	334.70	33.89
			<i>For Closed Riser, Add</i>	39.78	
			<i>For Galvanized Steel, Add</i>	66.73	
05 51	19 00-0005	SF	Steel Grating Landing With Framing And 2 Pipe Handrail .....	52.58	3.14
			Note: Conventional shape.		

**05 51 33 Metal Ladders** (05 51)

Note: Includes factory prime.

**05 51 33 13 Vertical Metal Ladders** (05 51 33)**05 51 33 13-0001 Vertical Ladders** (05 51 33 13)

Note: Climbing rungs are 3/4" corrugated steel round rungs on 12" centers. Stand-off brackets are 7"

05 51	33 13-0002	VLF	20" Wide Vertical Steel Ladder Primed .....	65.70	7.53
			<i>For Galvanized Steel, Add</i>	10.52	
			<i>For Aluminum, Add</i>	21.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 33 13-0003 VLF 24" Wide Vertical Steel Ladder Primed..... <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	76.36 13.18 26.37	7.53
05 51 33 13-0004 VLF 20" Wide Vertical Steel Caged Ladder Primed ..... <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	162.21 30.55 61.10	12.55
05 51 33 13-0005 VLF 24" Wide Vertical Steel Caged Ladder Primed ..... <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	183.53 35.88 71.76	12.55
<b>05 51 33 13-0006 Vertical Ladders Options (05 51 33 13)</b>		
05 51 33 13-0007 EA 20" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed ..... Note: Extends 42" above landing surface. Includes mounting bracket. <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	207.76 40.17 80.34	23.54
05 51 33 13-0008 EA 24" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed ..... Note: Extends 42" above landing surface. Includes mounting bracket. <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	227.44 44.31 88.61	25.11
05 51 33 13-0009 EA Security Cage Entry Gate With Lockable Hasp .....	311.08	7.85
05 51 33 13-0010 EA 6" Security Ladder Guard.....	664.82	47.08
05 51 33 13-0011 EA 8" Security Ladder Guard.....	795.12	54.93
05 51 33 13-0012 EA Safety Chain Attachment.....	121.25	
<b>05 51 33 13-0013 Welded Steel Ladder Cages (05 51 33 13)</b>		
Note: For existing fixed ladders up to 20" wide. Excludes the ladder.		
<b>05 51 33 13-0014 Powder Coated, Welded Steel Ladder Cages (05 51 33 13-0013)</b>		
05 51 33 13-0015 EA 7-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	1,227.33	94.16
05 51 33 13-0016 EA 8-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	1,333.32	97.30
05 51 33 13-0017 EA 9-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	1,417.63	100.44
05 51 33 13-0018 EA 10-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	1,507.71	103.57
05 51 33 13-0019 EA 11-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	1,560.23	106.71
05 51 33 13-0020 EA 12-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	1,645.99	109.85
05 51 33 13-0021 EA 13-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	1,721.63	112.99
05 51 33 13-0022 EA 14-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	1,820.39	116.13
05 51 33 13-0023 EA 15-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	1,916.26	119.27
05 51 33 13-0024 EA 16-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	1,994.80	122.41
05 51 33 13-0025 EA 17-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	2,090.66	125.55
05 51 33 13-0026 EA 18-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	2,183.65	128.68
05 51 33 13-0027 EA 19-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	2,275.18	131.82
05 51 33 13-0028 EA 20-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	2,441.87	134.96
05 51 33 13-0029 EA 21-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	2,491.49	138.10
05 51 33 13-0030 EA 22-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	2,577.25	141.24
05 51 33 13-0031 EA 23-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	2,655.77	144.38
05 51 33 13-0032 EA 24-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	2,728.54	147.52
05 51 33 13-0033 EA 25-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	2,890.88	150.66
05 51 33 13-0034 EA 26-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	2,978.08	153.79
05 51 33 13-0035 EA 27-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	3,059.49	156.93
<b>05 51 33 13-0036 Stainless Steel, Welded Steel Ladder Cages (05 51 33 13-0013)</b>		
05 51 33 13-0037 EA 7-1/2' Length, Stainless Steel, Welded Steel Ladder Cage .....	2,936.05	94.16
05 51 33 13-0038 EA 8-1/2' Length, Stainless Steel, Welded Steel Ladder Cage .....	3,136.83	97.30
05 51 33 13-0039 EA 9-1/2' Length, Stainless Steel, Welded Steel Ladder Cage .....	3,471.40	100.44
05 51 33 13-0040 EA 10-1/2' Length, Stainless Steel, Welded Steel Ladder Cage .....	3,636.30	103.57
05 51 33 13-0041 EA 11-1/2' Length, Stainless Steel, Welded Steel Ladder Cage .....	3,774.99	106.71
05 51 33 13-0042 EA 12-1/2' Length, Stainless Steel, Welded Steel Ladder Cage .....	3,959.22	109.85
05 51 33 13-0043 EA 13-1/2' Length, Stainless Steel, Welded Steel Ladder Cage .....	4,291.03	112.99
05 51 33 13-0044 EA 14-1/2' Length, Stainless Steel, Welded Steel Ladder Cage .....	4,458.70	116.13
05 51 33 13-0045 EA 15-1/2' Length, Stainless Steel, Welded Steel Ladder Cage .....	4,631.87	119.27
05 51 33 13-0046 EA 16-1/2' Length, Stainless Steel, Welded Steel Ladder Cage .....	4,821.62	122.41
05 51 33 13-0047 EA 17-1/2' Length, Stainless Steel, Welded Steel Ladder Cage .....	5,160.32	125.55
05 51 33 13-0048 EA 18-1/2' Length, Stainless Steel, Welded Steel Ladder Cage .....	5,329.37	128.68
05 51 33 13-0049 EA 19-1/2' Length, Stainless Steel, Welded Steel Ladder Cage .....	5,490.13	131.82
05 51 33 13-0050 EA 20-1/2' Length, Stainless Steel, Welded Steel Ladder Cage .....	5,757.12	134.96
05 51 33 13-0051 EA 21-1/2' Length, Stainless Steel, Welded Steel Ladder Cage .....	6,057.20	138.10
05 51 33 13-0052 EA 22-1/2' Length, Stainless Steel, Welded Steel Ladder Cage .....	6,223.49	141.24
05 51 33 13-0053 EA 23-1/2' Length, Stainless Steel, Welded Steel Ladder Cage .....	6,393.91	144.38
05 51 33 13-0054 EA 24-1/2' Length, Stainless Steel, Welded Steel Ladder Cage .....	6,553.31	147.52
05 51 33 13-0055 EA 25-1/2' Length, Stainless Steel, Welded Steel Ladder Cage .....	6,963.74	150.66
05 51 33 13-0056 EA 26-1/2' Length, Stainless Steel, Welded Steel Ladder Cage .....	7,123.13	153.79
05 51 33 13-0057 EA 27-1/2' Length, Stainless Steel, Welded Steel Ladder Cage .....	7,286.65	156.93
<b>05 51 33 16 Inclined Metal Ladders (05 51 33)</b>		
<b>05 51 33 16-0001 Industrial Ship Ladder, Incline Stairs (05 51 33 16)</b>		
Note: Includes factory prime.		

<b>05</b>	<b>Metals</b>
<b>05 50</b>	<b>Metal Fabrications</b>
<b>05 51</b>	<b>Metal Stairs</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 33 16-0002	RSR		3' Wide Industrial Steel Ship Ladder With 2 Rails Each Side.....	202.55	31.38
			<i>For Aluminum, Add</i>	69.89	
<b>05 51 33 23 Alternating Tread Ladders (05 51 33)</b>					
<b>05 51 33 23-0001 Vertical Ladders With Alternating Tread (05 51 33 23)</b>					
05 51 33 23-0002	EA		4' Vertical Height Aluminum Alternating Tread Ladder .....	1,193.42	94.16
			<i>For Stainless Steel, Add</i>	196.80	
			<i>For Primed Steel, Deduct</i>	-191.42	
05 51 33 23-0003	EA		5' Vertical Height Aluminum Alternating Tread Ladder .....	1,363.66	99.81
			<i>For Stainless Steel, Add</i>	240.90	
			<i>For Primed Steel, Deduct</i>	-223.30	
05 51 33 23-0004	EA		6' Vertical Height Aluminum Alternating Tread Ladder .....	1,509.26	99.81
			<i>For Stainless Steel, Add</i>	288.67	
			<i>For Primed Steel, Deduct</i>	-241.55	
05 51 33 23-0005	EA		7' Vertical Height Aluminum Alternating Tread Ladder .....	1,727.61	125.42
			<i>For Stainless Steel, Add</i>	347.24	
			<i>For Primed Steel, Deduct</i>	-256.61	
05 51 33 23-0006	EA		8' Vertical Height Aluminum Alternating Tread Ladder .....	1,893.73	129.87
			<i>For Stainless Steel, Add</i>	388.99	
			<i>For Primed Steel, Deduct</i>	-298.53	
05 51 33 23-0007	EA		9' Vertical Height Aluminum Alternating Tread Ladder .....	2,022.38	129.87
			<i>For Stainless Steel, Add</i>	453.51	
			<i>For Primed Steel, Deduct</i>	-293.53	
05 51 33 23-0008	EA		10' Vertical Height Aluminum Alternating Tread Ladder.....	2,221.84	144.86
			<i>For Stainless Steel, Add</i>	497.40	
			<i>For Primed Steel, Deduct</i>	-327.55	
05 51 33 23-0009	EA		11' Vertical Height Aluminum Alternating Tread Ladder.....	2,365.98	144.86
			<i>For Stainless Steel, Add</i>	546.61	
			<i>For Primed Steel, Deduct</i>	-347.07	
05 51 33 23-0010	EA		12' Vertical Height Aluminum Alternating Tread Ladder.....	2,478.13	144.86
			<i>For Stainless Steel, Add</i>	623.99	
			<i>For Primed Steel, Deduct</i>	-346.65	

## 05 52 Metal Railings (05 50)

### 05 52 13 Pipe And Tube Railings (05 52)

Note: Includes embedded steel sleeves, grouting, connection bolts (where necessary) and drilling of bolt (where necessary).

#### 05 52 13 00-0001 Welded Steel Pipe Railing (05 52 13)

Note: Includes field welds and touch-up of welds.

#### 05 52 13 00-0002 One Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)

Note: Includes factory primed posts and one rail.

05 52 13 00-0003	LF		1" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	33.50	6.27
			<i>For Schedule 80 Handrail, Add</i>	2.60	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-4.61	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-5.24	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-6.91	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-8.17	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	11.00	
			<i>For Aluminum, Satin Finish, Add</i>	8.80	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	13.62	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	15.71	
			<i>For Galvanizing, Add</i>	8.38	
			<i>For Wrought Iron, Add</i>	3.35	
			<i>For Solid Steel Rails, Add</i>	6.70	
			<i>For 304 Stainless Steel, Add</i>	67.04	
			<i>For 316 Stainless Steel, Add</i>	75.42	
			<i>For 2" Wheel Guard, Add</i>	1.99	
			<i>For 4" High Kick Plate, Add</i>	2.62	
			<i>For 6" High Kick Plate, Add</i>	4.19	
			<i>For Curved Rail, Add</i>	16.34	
			<i>For Mounting On Stairs, Add</i>	3.98	
			<i>For Mounting On Slopes, Add</i>	1.26	
			<i>For Post Base Flange With Screws, Add Per Post</i>	18.76	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	28.38	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	13.61	
			<i>For Nylon Coating, Add</i>	3.14	



<b>Metals</b>	<b>05</b>	<b>05</b>
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0004 LF 1-1/4" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing .....	37.10	6.27
For Schedule 80 Handrail, Add	4.03	
For 11 Gauge A513 Steel Tubing, Deduct	-5.40	
For 12 Gauge A513 Steel Tubing, Deduct	-6.14	
For 14 Gauge A513 Steel Tubing, Deduct	-8.10	
For 16 Gauge A513 Steel Tubing, Deduct	-9.57	
For Additional Off Set Handrail, ADA Attachment, Add	11.00	
For Aluminum, Satin Finish, Add	10.31	
For Aluminum, Clear Anodized Finish, Add	15.96	
For Aluminum, Dark Anodized Finish, Add	18.41	
For Galvanizing, Add	9.82	
For Wrought Iron, Add	3.71	
For Solid Steel Rails, Add	7.42	
For 304 Stainless Steel, Add	78.56	
For 316 Stainless Steel, Add	88.38	
For 2" Wheel Guard, Add	2.33	
For 4" High Kick Plate, Add	3.07	
For 6" High Kick Plate, Add	4.91	
For Curved Rail, Add	18.50	
For Mounting On Stairs, Add	4.34	
For Mounting On Slopes, Add	1.26	
For Post Base Flange With Screws, Add Per Post	18.76	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.38	
For Custom Design Or Shapes (Square Tops, etc), Add	15.41	
For Nylon Coating, Add	3.68	
05 52 13 00-0005 LF 1-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing .....	40.71	6.27
For Schedule 80 Handrail, Add	4.03	
For 11 Gauge A513 Steel Tubing, Deduct	-6.20	
For 12 Gauge A513 Steel Tubing, Deduct	-7.04	
For 14 Gauge A513 Steel Tubing, Deduct	-9.29	
For 16 Gauge A513 Steel Tubing, Deduct	-10.98	
For Additional Off Set Handrail, ADA Attachment, Add	11.00	
For Aluminum, Satin Finish, Add	11.83	
For Aluminum, Clear Anodized Finish, Add	18.30	
For Aluminum, Dark Anodized Finish, Add	21.12	
For Galvanizing, Add	11.26	
For Wrought Iron, Add	4.07	
For Solid Steel Rails, Add	8.14	
For 304 Stainless Steel, Add	90.11	
For 316 Stainless Steel, Add	101.38	
For 2" Wheel Guard, Add	2.68	
For 4" High Kick Plate, Add	3.52	
For 6" High Kick Plate, Add	5.63	
For Curved Rail, Add	20.66	
For Mounting On Stairs, Add	4.70	
For Mounting On Slopes, Add	1.26	
For Post Base Flange With Screws, Add Per Post	18.76	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.38	
For Custom Design Or Shapes (Square Tops, etc), Add	17.22	
For Nylon Coating, Add	4.22	
05 52 13 00-0006 LF 2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	46.97	6.27
For Schedule 80 Handrail, Add	4.61	
For 11 Gauge A513 Steel Tubing, Deduct	-7.57	
For 12 Gauge A513 Steel Tubing, Deduct	-8.61	
For 14 Gauge A513 Steel Tubing, Deduct	-11.36	
For 16 Gauge A513 Steel Tubing, Deduct	-13.42	
For Additional Off Set Handrail, ADA Attachment, Add	11.00	
For Aluminum, Satin Finish, Add	14.46	
For Aluminum, Clear Anodized Finish, Add	22.37	
For Aluminum, Dark Anodized Finish, Add	25.82	
For Galvanizing, Add	13.77	
For Wrought Iron, Add	4.70	
For Solid Steel Rails, Add	9.39	
For 304 Stainless Steel, Add	110.14	
For 316 Stainless Steel, Add	123.91	
For 2" Wheel Guard, Add	3.27	
For 4" High Kick Plate, Add	4.30	
For 6" High Kick Plate, Add	6.88	
For Curved Rail, Add	24.42	
For Mounting On Stairs, Add	5.32	
For Mounting On Slopes, Add	1.26	
For Post Base Flange With Screws, Add Per Post	18.76	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.38	
For Custom Design Or Shapes (Square Tops, etc), Add	20.35	
For Nylon Coating, Add	5.16	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0007	LF		2-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	54.47	6.27
			<i>For Schedule 80 Handrail, Add</i>	5.19	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-9.22	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-10.48	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-13.83	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-16.35	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	11.00	
			<i>For Aluminum, Satin Finish, Add</i>	17.61	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	27.25	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	31.44	
			<i>For Galvanizing, Add</i>	16.77	
			<i>For Wrought Iron, Add</i>	5.45	
			<i>For Solid Steel Rails, Add</i>	10.89	
			<i>For 304 Stainless Steel, Add</i>	134.14	
			<i>For 316 Stainless Steel, Add</i>	150.91	
			<i>For 2" Wheel Guard, Add</i>	3.98	
			<i>For 4" High Kick Plate, Add</i>	5.24	
			<i>For 6" High Kick Plate, Add</i>	8.38	
			<i>For Curved Rail, Add</i>	28.92	
			<i>For Mounting On Stairs, Add</i>	6.07	
			<i>For Mounting On Slopes, Add</i>	1.26	
			<i>For Post Base Flange With Screws, Add Per Post</i>	18.76	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	28.38	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	24.10	
			<i>For Nylon Coating, Add</i>	6.29	
05 52 13 00-0008			<b>Two Rail, Up To 42" High, Welded Steel Pipe Railings</b> <small>(05 52 13 00-0001)</small>		
			Note: Includes factory primed posts and two rails.		
05 52 13 00-0009	LF		1" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	38.73	6.27
			<i>For Schedule 80 Handrail, Add</i>	2.60	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-5.76	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-6.55	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-8.64	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-10.21	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	11.00	
			<i>For Aluminum, Satin Finish, Add</i>	11.00	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	17.02	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	19.64	
			<i>For Galvanizing, Add</i>	10.47	
			<i>For Wrought Iron, Add</i>	3.87	
			<i>For Solid Steel Rails, Add</i>	7.75	
			<i>For 304 Stainless Steel, Add</i>	83.78	
			<i>For 316 Stainless Steel, Add</i>	94.25	
			<i>For 2" Wheel Guard, Add</i>	2.49	
			<i>For 4" High Kick Plate, Add</i>	3.27	
			<i>For 6" High Kick Plate, Add</i>	5.24	
			<i>For Curved Rail, Add</i>	19.47	
			<i>For Mounting On Stairs, Add</i>	4.50	
			<i>For Mounting On Slopes, Add</i>	1.26	
			<i>For Post Base Flange With Screws, Add Per Post</i>	18.76	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	28.38	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	16.23	
			<i>For Nylon Coating, Add</i>	3.93	
05 52 13 00-0010	LF		1-1/4" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	43.24	6.27
			<i>For Schedule 80 Handrail, Add</i>	4.03	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-6.75	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-7.67	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-10.13	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-11.97	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	11.00	
			<i>For Aluminum, Satin Finish, Add</i>	12.89	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	19.95	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	23.02	
			<i>For Galvanizing, Add</i>	12.28	
			<i>For Wrought Iron, Add</i>	4.32	
			<i>For Solid Steel Rails, Add</i>	8.65	
			<i>For 304 Stainless Steel, Add</i>	98.21	
			<i>For 316 Stainless Steel, Add</i>	110.48	
			<i>For 2" Wheel Guard, Add</i>	2.92	
			<i>For 4" High Kick Plate, Add</i>	3.84	
			<i>For 6" High Kick Plate, Add</i>	6.14	
			<i>For Curved Rail, Add</i>	22.18	
			<i>For Mounting On Stairs, Add</i>	4.95	
			<i>For Mounting On Slopes, Add</i>	1.26	
			<i>For Post Base Flange With Screws, Add Per Post</i>	18.76	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	28.38	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	18.48	
			<i>For Nylon Coating, Add</i>	4.60	



<b>Metals</b>	<b>05</b>	<b>05</b>
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0011 LF 1-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing .....	47.75	6.27
For Schedule 80 Handrail, Add	4.03	
For 11 Gauge A513 Steel Tubing, Deduct	-7.74	
For 12 Gauge A513 Steel Tubing, Deduct	-8.80	
For 14 Gauge A513 Steel Tubing, Deduct	-11.62	
For 16 Gauge A513 Steel Tubing, Deduct	-13.73	
For Additional Off Set Handrail, ADA Attachment, Add	11.00	
For Aluminum, Satin Finish, Add	14.78	
For Aluminum, Clear Anodized Finish, Add	22.88	
For Aluminum, Dark Anodized Finish, Add	26.40	
For Galvanizing, Add	14.08	
For Wrought Iron, Add	4.78	
For Solid Steel Rails, Add	9.55	
For 304 Stainless Steel, Add	112.64	
For 316 Stainless Steel, Add	126.72	
For 2" Wheel Guard, Add	3.34	
For 4" High Kick Plate, Add	4.40	
For 6" High Kick Plate, Add	7.04	
For Curved Rail, Add	24.89	
For Mounting On Stairs, Add	5.40	
For Mounting On Slopes, Add	1.26	
For Post Base Flange With Screws, Add Per Post	18.76	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.38	
For Custom Design Or Shapes (Square Tops, etc), Add	20.74	
For Nylon Coating, Add	5.28	
05 52 13 00-0012 LF 2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	55.57	6.27
For Schedule 80 Handrail, Add	4.61	
For 11 Gauge A513 Steel Tubing, Deduct	-9.46	
For 12 Gauge A513 Steel Tubing, Deduct	-10.76	
For 14 Gauge A513 Steel Tubing, Deduct	-14.20	
For 16 Gauge A513 Steel Tubing, Deduct	-16.78	
For Additional Off Set Handrail, ADA Attachment, Add	11.00	
For Aluminum, Satin Finish, Add	18.07	
For Aluminum, Clear Anodized Finish, Add	27.96	
For Aluminum, Dark Anodized Finish, Add	32.27	
For Galvanizing, Add	17.21	
For Wrought Iron, Add	5.56	
For Solid Steel Rails, Add	11.11	
For 304 Stainless Steel, Add	137.66	
For 316 Stainless Steel, Add	154.87	
For 2" Wheel Guard, Add	4.09	
For 4" High Kick Plate, Add	5.38	
For 6" High Kick Plate, Add	8.60	
For Curved Rail, Add	29.58	
For Mounting On Stairs, Add	6.18	
For Mounting On Slopes, Add	1.26	
For Post Base Flange With Screws, Add Per Post	18.76	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.38	
For Custom Design Or Shapes (Square Tops, etc), Add	24.65	
For Nylon Coating, Add	6.45	
05 52 13 00-0013 LF 2-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing .....	64.95	6.27
For Schedule 80 Handrail, Add	5.19	
For 11 Gauge A513 Steel Tubing, Deduct	-11.53	
For 12 Gauge A513 Steel Tubing, Deduct	-13.10	
For 14 Gauge A513 Steel Tubing, Deduct	-17.29	
For 16 Gauge A513 Steel Tubing, Deduct	-20.44	
For Additional Off Set Handrail, ADA Attachment, Add	11.00	
For Aluminum, Satin Finish, Add	22.01	
For Aluminum, Clear Anodized Finish, Add	34.06	
For Aluminum, Dark Anodized Finish, Add	39.30	
For Galvanizing, Add	20.96	
For Wrought Iron, Add	6.50	
For Solid Steel Rails, Add	12.99	
For 304 Stainless Steel, Add	167.68	
For 316 Stainless Steel, Add	188.64	
For 2" Wheel Guard, Add	4.98	
For 4" High Kick Plate, Add	6.55	
For 6" High Kick Plate, Add	10.48	
For Curved Rail, Add	35.21	
For Mounting On Stairs, Add	7.12	
For Mounting On Slopes, Add	1.26	
For Post Base Flange With Screws, Add Per Post	18.76	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.38	
For Custom Design Or Shapes (Square Tops, etc), Add	29.34	
For Nylon Coating, Add	7.86	

05 52 13 00-0014 Three Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)  
 Note: Includes factory primed posts and three rails.



<b>05</b>	<b>Metals</b>
<b>05 50</b>	<b>Metal Fabrications</b>
<b>05 52</b>	<b>Metal Railings</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52	13 00-0015	LF	1" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing .....	52.49	7.53
			For Schedule 80 Handrail, Add	3.80	
			For 11 Gauge A513 Steel Tubing, Deduct	-8.23	
			For 12 Gauge A513 Steel Tubing, Deduct	-9.36	
			For 14 Gauge A513 Steel Tubing, Deduct	-12.35	
			For 16 Gauge A513 Steel Tubing, Deduct	-14.59	
			For Additional Off Set Handrail, ADA Attachment, Add	11.50	
			For Aluminum, Satin Finish, Add	15.72	
			For Aluminum, Clear Anodized Finish, Add	24.32	
			For Aluminum, Dark Anodized Finish, Add	28.07	
			For Galvanizing, Add	14.97	
			For Wrought Iron, Add	5.25	
			For Solid Steel Rails, Add	10.50	
			For 304 Stainless Steel, Add	119.74	
			For 316 Stainless Steel, Add	134.71	
			For 2" Wheel Guard, Add	3.55	
			For 4" High Kick Plate, Add	4.68	
			For 6" High Kick Plate, Add	7.48	
			For Curved Rail, Add	26.97	
			For Mounting On Stairs, Add	6.00	
			For Mounting On Slopes, Add	1.51	
			For Post Base Flange With Screws, Add Per Post	19.01	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.76	
			For Custom Design Or Shapes (Square Tops, etc), Add	22.48	
			For Nylon Coating, Add	5.61	
05 52	13 00-0016	LF	1-1/4" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing .....	58.94	7.53
			For Schedule 80 Handrail, Add	5.70	
			For 11 Gauge A513 Steel Tubing, Deduct	-9.65	
			For 12 Gauge A513 Steel Tubing, Deduct	-10.97	
			For 14 Gauge A513 Steel Tubing, Deduct	-14.48	
			For 16 Gauge A513 Steel Tubing, Deduct	-17.11	
			For Additional Off Set Handrail, ADA Attachment, Add	11.50	
			For Aluminum, Satin Finish, Add	18.43	
			For Aluminum, Clear Anodized Finish, Add	28.52	
			For Aluminum, Dark Anodized Finish, Add	32.90	
			For Galvanizing, Add	17.55	
			For Wrought Iron, Add	5.89	
			For Solid Steel Rails, Add	11.79	
			For 304 Stainless Steel, Add	140.38	
			For 316 Stainless Steel, Add	157.93	
			For 2" Wheel Guard, Add	4.17	
			For 4" High Kick Plate, Add	5.48	
			For 6" High Kick Plate, Add	8.77	
			For Curved Rail, Add	30.84	
			For Mounting On Stairs, Add	6.65	
			For Mounting On Slopes, Add	1.51	
			For Post Base Flange With Screws, Add Per Post	19.01	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.76	
			For Custom Design Or Shapes (Square Tops, etc), Add	25.70	
			For Nylon Coating, Add	6.58	
05 52	13 00-0017	LF	1-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing .....	65.38	7.53
			For Schedule 80 Handrail, Add	5.70	
			For 11 Gauge A513 Steel Tubing, Deduct	-11.07	
			For 12 Gauge A513 Steel Tubing, Deduct	-12.58	
			For 14 Gauge A513 Steel Tubing, Deduct	-16.60	
			For 16 Gauge A513 Steel Tubing, Deduct	-19.62	
			For Additional Off Set Handrail, ADA Attachment, Add	11.50	
			For Aluminum, Satin Finish, Add	21.13	
			For Aluminum, Clear Anodized Finish, Add	32.70	
			For Aluminum, Dark Anodized Finish, Add	37.73	
			For Galvanizing, Add	20.12	
			For Wrought Iron, Add	6.54	
			For Solid Steel Rails, Add	13.08	
			For 304 Stainless Steel, Add	160.99	
			For 316 Stainless Steel, Add	181.12	
			For 2" Wheel Guard, Add	4.78	
			For 4" High Kick Plate, Add	6.29	
			For 6" High Kick Plate, Add	10.06	
			For Curved Rail, Add	34.71	
			For Mounting On Stairs, Add	7.29	
			For Mounting On Slopes, Add	1.51	
			For Post Base Flange With Screws, Add Per Post	19.01	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.76	
			For Custom Design Or Shapes (Square Tops, etc), Add	28.92	
			For Nylon Coating, Add	7.55	



<b>Metals</b>	<b>05</b>	<b>05</b>
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0018 LF 2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	76.58	7.53
For Schedule 80 Handrail, Add	6.47	
For 11 Gauge A513 Steel Tubing, Deduct	-13.53	
For 12 Gauge A513 Steel Tubing, Deduct	-15.38	
For 14 Gauge A513 Steel Tubing, Deduct	-20.30	
For 16 Gauge A513 Steel Tubing, Deduct	-23.99	
For Additional Off Set Handrail, ADA Attachment, Add	11.50	
For Aluminum, Satin Finish, Add	25.83	
For Aluminum, Clear Anodized Finish, Add	39.98	
For Aluminum, Dark Anodized Finish, Add	46.13	
For Galvanizing, Add	24.60	
For Wrought Iron, Add	7.66	
For Solid Steel Rails, Add	15.32	
For 304 Stainless Steel, Add	196.83	
For 316 Stainless Steel, Add	221.44	
For 2" Wheel Guard, Add	5.84	
For 4" High Kick Plate, Add	7.69	
For 6" High Kick Plate, Add	12.30	
For Curved Rail, Add	41.43	
For Mounting On Stairs, Add	8.41	
For Mounting On Slopes, Add	1.51	
For Post Base Flange With Screws, Add Per Post	19.01	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.76	
For Custom Design Or Shapes (Square Tops, etc), Add	34.52	
For Nylon Coating, Add	9.23	
05 52 13 00-0019 LF 2-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	89.91	7.53
For Schedule 80 Handrail, Add	7.24	
For 11 Gauge A513 Steel Tubing, Deduct	-16.46	
For 12 Gauge A513 Steel Tubing, Deduct	-18.71	
For 14 Gauge A513 Steel Tubing, Deduct	-24.70	
For 16 Gauge A513 Steel Tubing, Deduct	-29.19	
For Additional Off Set Handrail, ADA Attachment, Add	11.50	
For Aluminum, Satin Finish, Add	31.43	
For Aluminum, Clear Anodized Finish, Add	48.65	
For Aluminum, Dark Anodized Finish, Add	56.13	
For Galvanizing, Add	29.94	
For Wrought Iron, Add	8.99	
For Solid Steel Rails, Add	17.98	
For 304 Stainless Steel, Add	239.49	
For 316 Stainless Steel, Add	269.42	
For 2" Wheel Guard, Add	7.11	
For 4" High Kick Plate, Add	9.36	
For 6" High Kick Plate, Add	14.97	
For Curved Rail, Add	49.43	
For Mounting On Stairs, Add	9.74	
For Mounting On Slopes, Add	1.51	
For Post Base Flange With Screws, Add Per Post	19.01	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.76	
For Custom Design Or Shapes (Square Tops, etc), Add	41.19	
For Nylon Coating, Add	11.23	
<b>05 52 13 00-0020 Four Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)</b>		
Note: Includes factory primed posts and four rails.		
05 52 13 00-0021 LF 1" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	63.51	8.78
For Schedule 80 Handrail, Add	5.15	
For 11 Gauge A513 Steel Tubing, Deduct	-10.10	
For 12 Gauge A513 Steel Tubing, Deduct	-11.48	
For 14 Gauge A513 Steel Tubing, Deduct	-15.16	
For 16 Gauge A513 Steel Tubing, Deduct	-17.91	
For Additional Off Set Handrail, ADA Attachment, Add	12.01	
For Aluminum, Satin Finish, Add	19.29	
For Aluminum, Clear Anodized Finish, Add	29.85	
For Aluminum, Dark Anodized Finish, Add	34.45	
For Galvanizing, Add	18.37	
For Wrought Iron, Add	6.35	
For Solid Steel Rails, Add	12.70	
For 304 Stainless Steel, Add	146.98	
For 316 Stainless Steel, Add	165.35	
For 2" Wheel Guard, Add	4.36	
For 4" High Kick Plate, Add	5.74	
For 6" High Kick Plate, Add	9.19	
For Curved Rail, Add	32.83	
For Mounting On Stairs, Add	7.23	
For Mounting On Slopes, Add	1.76	
For Post Base Flange With Screws, Add Per Post	19.26	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.14	
For Custom Design Or Shapes (Square Tops, etc), Add	27.36	
For Nylon Coating, Add	6.89	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52	13 00-0022	LF	1-1/4" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	69.23	8.78
			<i>For Schedule 80 Handrail, Add</i>	7.52	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-11.36	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-12.91	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-17.04	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-20.14	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	12.01	
			<i>For Aluminum, Satin Finish, Add</i>	21.69	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	33.57	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	38.74	
			<i>For Galvanizing, Add</i>	20.66	
			<i>For Wrought Iron, Add</i>	6.92	
			<i>For Solid Steel Rails, Add</i>	13.85	
			<i>For 304 Stainless Steel, Add</i>	165.28	
			<i>For 316 Stainless Steel, Add</i>	185.94	
			<i>For 2" Wheel Guard, Add</i>	4.91	
			<i>For 4" High Kick Plate, Add</i>	6.46	
			<i>For 6" High Kick Plate, Add</i>	10.33	
			<i>For Curved Rail, Add</i>	36.26	
			<i>For Mounting On Stairs, Add</i>	7.80	
			<i>For Mounting On Slopes, Add</i>	1.76	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.26	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.14	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	30.22	
			<i>For Nylon Coating, Add</i>	7.75	
05 52	13 00-0023	LF	1-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	74.95	8.78
			<i>For Schedule 80 Handrail, Add</i>	7.52	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-12.62	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-14.34	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-18.93	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-22.37	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	12.01	
			<i>For Aluminum, Satin Finish, Add</i>	24.10	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	37.29	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	43.03	
			<i>For Galvanizing, Add</i>	22.95	
			<i>For Wrought Iron, Add</i>	7.50	
			<i>For Solid Steel Rails, Add</i>	14.99	
			<i>For 304 Stainless Steel, Add</i>	183.58	
			<i>For 316 Stainless Steel, Add</i>	206.53	
			<i>For 2" Wheel Guard, Add</i>	5.45	
			<i>For 4" High Kick Plate, Add</i>	7.17	
			<i>For 6" High Kick Plate, Add</i>	11.47	
			<i>For Curved Rail, Add</i>	39.70	
			<i>For Mounting On Stairs, Add</i>	8.37	
			<i>For Mounting On Slopes, Add</i>	1.76	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.26	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.14	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	33.08	
			<i>For Nylon Coating, Add</i>	8.61	
05 52	13 00-0024	LF	2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	87.70	8.78
			<i>For Schedule 80 Handrail, Add</i>	8.49	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-15.43	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-17.53	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-23.14	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-27.35	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	12.01	
			<i>For Aluminum, Satin Finish, Add</i>	29.45	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	45.58	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	52.59	
			<i>For Galvanizing, Add</i>	28.05	
			<i>For Wrought Iron, Add</i>	8.77	
			<i>For Solid Steel Rails, Add</i>	17.54	
			<i>For 304 Stainless Steel, Add</i>	224.38	
			<i>For 316 Stainless Steel, Add</i>	252.43	
			<i>For 2" Wheel Guard, Add</i>	6.66	
			<i>For 4" High Kick Plate, Add</i>	8.77	
			<i>For 6" High Kick Plate, Add</i>	14.02	
			<i>For Curved Rail, Add</i>	47.35	
			<i>For Mounting On Stairs, Add</i>	9.65	
			<i>For Mounting On Slopes, Add</i>	1.76	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.26	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.14	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	39.46	
			<i>For Nylon Coating, Add</i>	10.52	



	<b>Metals</b>	<b>05</b>
	Metal Fabrications	05 50
	Metal Railings	05 52

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0025 LF 2-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	102.63	8.78
For Schedule 80 Handrail, Add	9.46	
For 11 Gauge A513 Steel Tubing, Deduct	-18.71	
For 12 Gauge A513 Steel Tubing, Deduct	-21.26	
For 14 Gauge A513 Steel Tubing, Deduct	-28.07	
For 16 Gauge A513 Steel Tubing, Deduct	-33.17	
For Additional Off Set Handrail, ADA Attachment, Add	12.01	
For Aluminum, Satin Finish, Add	35.72	
For Aluminum, Clear Anodized Finish, Add	55.28	
For Aluminum, Dark Anodized Finish, Add	63.79	
For Galvanizing, Add	34.02	
For Wrought Iron, Add	10.26	
For Solid Steel Rails, Add	20.53	
For 304 Stainless Steel, Add	272.16	
For 316 Stainless Steel, Add	306.18	
For 2" Wheel Guard, Add	8.08	
For 4" High Kick Plate, Add	10.63	
For 6" High Kick Plate, Add	17.01	
For Curved Rail, Add	56.30	
For Mounting On Stairs, Add	11.14	
For Mounting On Slopes, Add	1.76	
For Post Base Flange With Screws, Add Per Post	19.26	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.14	
For Custom Design Or Shapes (Square Tops, etc), Add	46.92	
For Nylon Coating, Add	12.76	
<b>05 52 13 00-0026 Railing Infill Panels (05 52 13)</b>		
Note: Includes field welds and touch-up of welds.		
<b>05 52 13 00-0027 Wire Mesh Or Welded Wire Mesh, Railing Infill Panels (05 52 13 00-0026)</b>		
Note: Square weave or square welded wire mesh.		
05 52 13 00-0028 SF Powder Coated Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel .....	8.38	
05 52 13 00-0029 SF Galvanized Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel .....	8.90	
05 52 13 00-0030 SF Aluminum, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel .....	9.35	
05 52 13 00-0031 SF Stainless Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel .....	15.82	
<b>05 52 13 00-0032 Perforated Metal, Railing Infill Panels (05 52 13 00-0026)</b>		
05 52 13 00-0033 SF Powder Coated Steel, Perforated Metal, Railing Infill Panel .....	8.22	
05 52 13 00-0034 SF Galvanized Steel, Perforated Metal, Railing Infill Panel .....	8.50	
05 52 13 00-0035 SF Aluminum, Perforated Metal, Railing Infill Panel .....	9.10	
05 52 13 00-0036 SF Stainless Steel, Perforated Metal, Railing Infill Panel .....	18.25	
<b>05 52 13 00-0037 Expanded Metal, Railing Infill Panels (05 52 13 00-0026)</b>		
05 52 13 00-0038 SF Powder Coated Steel, Expanded Metal, Railing Infill Panel .....	3.71	
05 52 13 00-0039 SF Galvanized Steel, Expanded Metal, Railing Infill Panel .....	7.58	
05 52 13 00-0040 SF Aluminum, Expanded Metal, Railing Infill Panel .....	9.95	
05 52 13 00-0041 SF Stainless Steel, Expanded Metal, Railing Infill Panel .....	14.83	
<b>05 52 13 00-0042 Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings (05 52 13)</b>		
Note: Includes factory primed, fasteners and field touch-up of welds.		
05 52 13 00-0043 LF 1" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing .....	29.45	3.76
For Schedule 80 Handrail, Add	1.44	
For 11 Gauge A513 Steel Tubing, Deduct	-4.41	
For 12 Gauge A513 Steel Tubing, Deduct	-5.01	
For 14 Gauge A513 Steel Tubing, Deduct	-6.61	
For 16 Gauge A513 Steel Tubing, Deduct	-7.82	
For Stainless Steel, Add	40.08	
For Aluminum, Satin Finish, Add	8.42	
For Curved Rail, Add	8.84	
For Aluminum, Clear Anodized Finish, Add	13.03	
For Aluminum, Dark Anodized Finish, Add	15.03	
For Galvanized Finish, Add	6.01	
05 52 13 00-0044 LF 1-1/4" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing .....	30.10	3.76
For Schedule 80 Handrail, Add	1.68	
For 11 Gauge A513 Steel Tubing, Deduct	-4.55	
For 12 Gauge A513 Steel Tubing, Deduct	-5.17	
For 14 Gauge A513 Steel Tubing, Deduct	-6.83	
For 16 Gauge A513 Steel Tubing, Deduct	-8.07	
For Stainless Steel, Add	41.38	
For Aluminum, Satin Finish, Add	8.69	
For Curved Rail, Add	9.03	
For Aluminum, Clear Anodized Finish, Add	13.45	
For Aluminum, Dark Anodized Finish, Add	15.52	
For Galvanized Finish, Add	6.21	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0045	LF		1-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	30.74	3.76
			<i>For Schedule 80 Handrail, Add</i>	4.85	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-4.69	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-5.33	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-7.04	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-8.32	
			<i>For Stainless Steel, Add</i>	42.66	
			<i>For Aluminum, Satin Finish, Add</i>	8.96	
			<i>For Curved Rail, Add</i>	9.22	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	13.86	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	16.00	
			<i>For Galvanized Finish, Add</i>	6.40	
05 52 13 00-0046	LF		2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	38.18	3.76
			<i>For Schedule 80 Handrail, Add</i>	2.11	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-6.33	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-7.19	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-9.49	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-11.22	
			<i>For Stainless Steel, Add</i>	57.54	
			<i>For Aluminum, Satin Finish, Add</i>	12.08	
			<i>For Curved Rail, Add</i>	11.45	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	18.70	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	21.58	
			<i>For Galvanized Finish, Add</i>	8.63	
05 52 13 00-0047	LF		2-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	44.32	3.76
			<i>For Schedule 80 Handrail, Add</i>	2.30	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-7.68	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-8.73	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-11.52	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-13.61	
			<i>For Stainless Steel, Add</i>	69.82	
			<i>For Aluminum, Satin Finish, Add</i>	14.66	
			<i>For Curved Rail, Add</i>	13.30	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	22.69	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	26.18	
			<i>For Galvanized Finish, Add</i>	10.47	
05 52 13 00-0048			<b>Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings</b> <small>(05 52 13)</small>		
			Note: Includes factory primed, fasteners and field touch-up of welds.		
05 52 13 00-0049	LF		1" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	37.05	3.95
			<i>For Schedule 80 Handrail, Add</i>	1.44	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-6.08	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-6.91	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-9.12	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-10.78	
			<i>For Stainless Steel, Add</i>	55.28	
			<i>For Aluminum, Satin Finish, Add</i>	11.61	
			<i>For Curved Rail, Add</i>	11.12	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	17.97	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	20.73	
			<i>For Galvanized Finish, Add</i>	8.29	
05 52 13 00-0050	LF		1-1/4" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	37.95	3.95
			<i>For Schedule 80 Handrail, Add</i>	1.68	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-6.28	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-7.14	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-9.42	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-11.13	
			<i>For Stainless Steel, Add</i>	57.08	
			<i>For Aluminum, Satin Finish, Add</i>	11.99	
			<i>For Curved Rail, Add</i>	11.39	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	18.55	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	21.41	
			<i>For Galvanized Finish, Add</i>	8.56	
05 52 13 00-0051	LF		1-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	38.63	3.95
			<i>For Schedule 80 Handrail, Add</i>	4.85	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-6.43	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-7.31	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-9.64	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-11.40	
			<i>For Stainless Steel, Add</i>	58.44	
			<i>For Aluminum, Satin Finish, Add</i>	12.27	
			<i>For Curved Rail, Add</i>	11.59	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	18.99	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	21.92	
			<i>For Galvanized Finish, Add</i>	8.77	



	<b>Metals</b>	<b>05</b>
	Metal Fabrications	05 50
	Metal Railings	05 52

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52	13 00-0052	LF	2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	49.01	3.95
			<i>For Schedule 80 Handrail, Add</i>	2.11	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-8.71	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-9.90	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-13.07	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-15.44	
			<i>For Stainless Steel, Add</i>	79.20	
			<i>For Aluminum, Satin Finish, Add</i>	16.63	
			<i>For Curved Rail, Add</i>	14.70	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	25.74	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	29.70	
			<i>For Galvanized Finish, Add</i>	11.88	
05 52	13 00-0053	LF	2-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	55.79	3.95
			<i>For Schedule 80 Handrail, Add</i>	2.30	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-10.20	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-11.60	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-15.31	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-18.09	
			<i>For Stainless Steel, Add</i>	92.76	
			<i>For Aluminum, Satin Finish, Add</i>	19.48	
			<i>For Curved Rail, Add</i>	16.74	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	30.15	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	34.79	
			<i>For Galvanized Finish, Add</i>	13.91	
05 52	13 00-0054		<b>Remove/Reinstall Pipe Railing</b> <small>(05 52 13)</small>		
05 52	13 00-0055	LF	Removal And Reinstallation Of Wall Bracket Mounted Pipe Railing.....	14.12	
05 52	13 00-0056	LF	Removal And Reinstallation Of Floor Mounted Pipe Railing.....	18.85	
05 52	13 00-0057	EA	Install New Galvanized Steel Pipe Railing Bracket.....	37.27	
			<i>For Stainless Steel, Add</i>	36.88	

**05 53 Metal Gratings** (05 50)

**05 53 13 Bar Gratings** (05 53)

**05 53 13 00-0001 Welded Grating** (05 53 13)

Note: Sizes are for height and width of bearing bars. Welded grating is open grid grating which has bearing bars and cross bars locked in place by resistance welding, or conventional hand welding. Resistance welded grating is produced on precise automated production equipment by combining hydraulic pressure with a powerful electric current to fuse - electroforge - the cross bar and bearing bar into a single rigid panel.

**05 53 13 00-0002 Steel, Welded Grating** (05 53 13 00-0001)

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.

05 53	13 00-0003	SF	3/4" x 1/8" Steel, Welded Grating.....	6.57	0.69
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	0.88	
			<i>For 304 Stainless Steel, Add</i>	16.66	
			<i>Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center</i>		
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	1.52	
			<i>For Crossbars At 2" On-Center, Add</i>	0.56	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-1.05	
05 53	13 00-0004	SF	3/4" x 3/16" Steel, Welded Grating.....	8.71	0.69
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	1.25	
			<i>For 304 Stainless Steel, Add</i>	23.53	
			<i>Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center</i>		
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	2.14	
			<i>For Crossbars At 2" On-Center, Add</i>	0.79	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-1.11	
05 53	13 00-0005	SF	1" x 1/8" Steel, Welded Grating.....	7.95	0.69
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	1.12	
			<i>For 304 Stainless Steel, Add</i>	21.09	
			<i>Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center</i>		
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	1.92	
			<i>For Crossbars At 2" On-Center, Add</i>	0.71	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-1.09	
05 53	13 00-0006	SF	1" x 3/16" Steel, Welded Grating.....	10.86	0.69
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	1.61	
			<i>For 304 Stainless Steel, Add</i>	30.43	
			<i>Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center</i>		
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	2.77	
			<i>For Crossbars At 2" On-Center, Add</i>	1.02	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-1.16	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0007	SF		1" x 1/4" Steel, Welded Grating.....	13.78	0.69
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.11	
			For 304 Stainless Steel, Add	39.80	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	3.62	
			For Crossbars At 2" On-Center, Add	1.34	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.23	
05 53 13 00-0008	SF		1-1/4" x 1/8" Steel, Welded Grating .....	9.34	0.69
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	1.35	
			For 304 Stainless Steel, Add	25.55	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	2.32	
			For Crossbars At 2" On-Center, Add	0.86	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.12	
05 53 13 00-0009	SF		1-1/4" x 3/16" Steel, Welded Grating .....	12.89	0.69
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	1.96	
			For 304 Stainless Steel, Add	36.95	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	3.36	
			For Crossbars At 2" On-Center, Add	1.24	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.21	
05 53 13 00-0010	SF		1-1/2" x 1/8" Steel, Welded Grating .....	10.74	0.69
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	1.59	
			For 304 Stainless Steel, Add	30.05	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	2.73	
			For Crossbars At 2" On-Center, Add	1.01	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.16	
05 53 13 00-0011	SF		1-1/2" x 3/16" Steel, Welded Grating .....	15.34	0.84
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.32	
			For 304 Stainless Steel, Add	43.78	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	3.98	
			For Crossbars At 2" On-Center, Add	1.47	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.48	
05 53 13 00-0012	SF		1-1/2" x 1/4" Steel, Welded Grating .....	19.77	0.84
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.07	
			For 304 Stainless Steel, Add	58.00	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	5.28	
			For Crossbars At 2" On-Center, Add	1.95	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.59	
05 53 13 00-0013	SF		1-3/4" x 3/16" Steel, Welded Grating .....	17.50	0.84
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.69	
			For 304 Stainless Steel, Add	50.72	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	4.61	
			For Crossbars At 2" On-Center, Add	1.71	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.53	
05 53 13 00-0014	SF		2" x 3/16" Steel, Welded Grating.....	19.53	0.84
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.03	
			For 304 Stainless Steel, Add	57.23	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	5.21	
			For Crossbars At 2" On-Center, Add	1.93	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.58	
05 53 13 00-0015	SF		2-1/4" x 3/16" Steel, Welded Grating .....	21.67	0.84
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.39	
			For 304 Stainless Steel, Add	64.10	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	5.83	
			For Crossbars At 2" On-Center, Add	2.16	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.64	



<b>Metals</b>	<b>05</b>	<b>05</b>
Metal Fabrications	05 50	
Metal Gratings	05 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0016 SF 2-1/2" x 3/16" Steel, Welded Grating.....	23.70	0.84
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.74	
For 304 Stainless Steel, Add	70.62	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	6.42	
For Crossbars At 2" On-Center, Add	2.38	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.69	
<b>05 53 13 00-0017 Pressure Locked Grating</b> <small>(05 53 13)</small>		
Note: Sizes are for height and width of bearing bars. Pressure locked grating is an open grid grating which is an assembly of tight-fitting, slotted bearing bars and cross bars, interlocked together. The permanent locking of the bars is accomplished by slotting the bearing bars with a wider 'dovetail' shape at the bottom of the slot. The bearing bar slot is usually 1/2 the depth of the cross bar. The cross bars are slotted to a depth slightly less than half its depth. When the bars are pressed together under hydraulic pressure, the cross bar material is forced into the 'dovetail' shape of the bearing bar notch, forming a strong, rigid unit.		
<b>05 53 13 00-0018 Steel, Pressure Locked Grating</b> <small>(05 53 13 00-0017)</small>		
Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0019 SF 3/4" x 1/8" Steel, Pressure Locked Grating.....	12.20	0.69
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.77	
For 304 Stainless Steel, Add	20.24	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	3.16	
For Crossbars At 2" On-Center, Add	1.17	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.20	
05 53 13 00-0020 SF 3/4" x 3/16" Steel, Pressure Locked Grating.....	14.96	0.69
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.23	
For 304 Stainless Steel, Add	25.41	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	3.97	
For Crossbars At 2" On-Center, Add	1.47	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.26	
05 53 13 00-0021 SF 1" x 1/8" Steel, Pressure Locked Grating.....	13.38	0.69
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.97	
For 304 Stainless Steel, Add	22.45	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	3.50	
For Crossbars At 2" On-Center, Add	1.30	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.22	
05 53 13 00-0022 SF 1" x 3/16" Steel, Pressure Locked Grating.....	18.12	0.69
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.75	
For 304 Stainless Steel, Add	31.32	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 7/16" On-Center, Add	24.27	
For Bearing Bars At 15/16" On-Center, Add	4.89	
For Crossbars At 2" On-Center, Add	1.81	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.34	
05 53 13 00-0023 SF 1-1/4" x 1/8" Steel, Pressure Locked Grating.....	14.96	0.69
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.23	
For 304 Stainless Steel, Add	25.41	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	3.97	
For Crossbars At 2" On-Center, Add	1.47	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.26	
05 53 13 00-0024 SF 1-1/4" x 3/16" Steel, Pressure Locked Grating.....	20.31	0.69
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.10	
For 304 Stainless Steel, Add	35.42	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	5.53	
For Crossbars At 2" On-Center, Add	2.04	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.40	
05 53 13 00-0025 SF 1-1/2" x 1/8" Steel, Pressure Locked Grating.....	16.61	0.69
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.50	
For 304 Stainless Steel, Add	28.50	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	4.45	
For Crossbars At 2" On-Center, Add	1.64	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.31	





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0026	SF		1-1/2" x 3/16" Steel, Pressure Locked Grating.....	22.93	0.84
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.48	
			For 304 Stainless Steel, Add	39.72	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 7/16" On-Center, Add	30.78	
			For Bearing Bars At 15/16" On-Center, Add	6.20	
			For Crossbars At 2" On-Center, Add	2.29	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.67	
05 53 13 00-0027	SF		1-3/4" x 3/16" Steel, Pressure Locked Grating.....	25.25	0.84
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.86	
			For 304 Stainless Steel, Add	44.06	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	6.88	
			For Crossbars At 2" On-Center, Add	2.54	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.73	
05 53 13 00-0028	SF		2" x 3/16" Steel, Pressure Locked Grating.....	27.14	0.84
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	4.17	
			For 304 Stainless Steel, Add	47.60	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	7.43	
			For Crossbars At 2" On-Center, Add	2.75	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.78	
05 53 13 00-0029	SF		2-1/4" x 3/16" Steel, Pressure Locked Grating.....	28.95	0.84
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	4.47	
			For 304 Stainless Steel, Add	50.98	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	7.96	
			For Crossbars At 2" On-Center, Add	2.94	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.82	
05 53 13 00-0030	SF		2-1/2" x 3/16" Steel, Pressure Locked Grating.....	30.51	0.84
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	4.72	
			For 304 Stainless Steel, Add	53.90	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	8.41	
			For Crossbars At 2" On-Center, Add	3.11	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.86	
05 53 13 00-0031			<b>Aluminum, Type 6063, Pressure Locked Grating</b> <small>(05 53 13 00-0017)</small>		
			Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.		
05 53 13 00-0032	SF		3/4" x 1/8" Aluminum, Pressure Locked Grating.....	12.69	0.69
			For Bearing Bars At 15/16" On-Center, Add	3.30	
			For Crossbars At 2" On-Center, Add	1.22	
			For Set In Place Without Bolting, Deduct	-1.21	
			For Powder Coating, Add	1.70	
05 53 13 00-0033	SF		3/4" x 3/16" Aluminum, Pressure Locked Grating.....	17.33	0.69
			For Bearing Bars At 15/16" On-Center, Add	4.66	
			For Crossbars At 2" On-Center, Add	1.72	
			For Set In Place Without Bolting, Deduct	-1.32	
			For Powder Coating, Add	2.39	
05 53 13 00-0034	SF		1" x 1/8" Aluminum, Pressure Locked Grating.....	16.33	0.69
			For Bearing Bars At 15/16" On-Center, Add	4.37	
			For Crossbars At 2" On-Center, Add	1.61	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.30	
			For Powder Coating, Add	2.24	
05 53 13 00-0035	SF		1" x 3/16" Aluminum, Pressure Locked Grating.....	22.33	0.69
			For Bearing Bars At 7/16" On-Center, Add	30.38	
			For Bearing Bars At 15/16" On-Center, Add	6.12	
			For Crossbars At 2" On-Center, Add	2.26	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.45	
			For Powder Coating, Add	3.14	
05 53 13 00-0036	SF		1-1/4" x 1/8" Aluminum, Pressure Locked Grating.....	18.97	0.69
			For Bearing Bars At 15/16" On-Center, Add	5.14	
			For Crossbars At 2" On-Center, Add	1.90	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.36	
			For Powder Coating, Add	2.64	
05 53 13 00-0037	SF		1-1/4" x 3/16" Aluminum, Pressure Locked Grating.....	25.51	0.69
			For Bearing Bars At 15/16" On-Center, Add	7.05	
			For Crossbars At 2" On-Center, Add	2.61	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.53	
			For Powder Coating, Add	3.62	



<b>Metals</b>	<b>05</b>	<b>05</b>
Metal Fabrications	05 50	
Metal Gratings	05 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0038	SF		1-1/2" x 1/8" Aluminum, Pressure Locked Grating.....	21.45	0.69
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	5.86	
			<i>For Crossbars At 2" On-Center, Add</i>	2.17	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-1.43	
			<i>For Powder Coating, Add</i>	3.01	
05 53 13 00-0039	SF		1-1/2" x 3/16" Aluminum, Pressure Locked Grating.....	28.78	0.69
			<i>For Bearing Bars At 7/16" On-Center, Add</i>	39.73	
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	8.00	
			<i>For Crossbars At 2" On-Center, Add</i>	2.96	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-1.61	
			<i>For Powder Coating, Add</i>	4.11	
05 53 13 00-0040	SF		1-3/4" x 3/16" Aluminum, Pressure Locked Grating.....	31.92	0.69
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	8.92	
			<i>For Crossbars At 2" On-Center, Add</i>	3.30	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-1.69	
			<i>For Powder Coating, Add</i>	4.58	
05 53 13 00-0041	SF		2" x 3/16" Aluminum, Pressure Locked Grating.....	35.64	0.69
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	10.00	
			<i>For Crossbars At 2" On-Center, Add</i>	3.70	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-1.78	
			<i>For Powder Coating, Add</i>	5.14	
05 53 13 00-0042	SF		2-1/4" x 3/16" Aluminum, Pressure Locked Grating.....	38.56	0.69
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	10.86	
			<i>For Crossbars At 2" On-Center, Add</i>	4.02	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-1.85	
			<i>For Powder Coating, Add</i>	5.58	
05 53 13 00-0043	SF		2-1/2" x 3/16" Aluminum, Pressure Locked Grating.....	42.04	0.69
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	11.87	
			<i>For Crossbars At 2" On-Center, Add</i>	4.39	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-1.94	
			<i>For Powder Coating, Add</i>	6.10	
05 53 13 00-0044			<b>Swage Locked Grating</b> <small>(05 53 13)</small>		
			Note: Sizes are for height and width of bearing bars. Swage locked grating is an open grid grating where bearing bars are pre-punched to receive a cross bar without penetrating or cutting the top surface of the bearing bar. The cross bar is then inserted through the pre-punched hole and deformed by swaging or squeezing under hydraulic pressure to permanently lock the bars in place.		
05 53 13 00-0045			<b>Steel, Swage Locked Grating</b> <small>(05 53 13 00-0044)</small>		
			Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0046	SF		1" x 3/16" Steel, Swaged Grating.....	19.80	0.69
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	1.69	
			<i>For 304 Stainless Steel, Add</i>	30.54	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	11.79	
			<i>For Crossbars At 2" On-Center, Add</i>	1.47	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-1.39	
05 53 13 00-0047	SF		1-1/4" x 3/16" Steel, Swaged Grating.....	22.08	0.69
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	1.90	
			<i>For 304 Stainless Steel, Add</i>	34.32	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	13.25	
			<i>For Crossbars At 2" On-Center, Add</i>	1.66	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-1.44	
05 53 13 00-0048	SF		1-1/2" x 3/16" Steel, Swaged Grating.....	24.17	0.84
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	2.07	
			<i>For 304 Stainless Steel, Add</i>	37.26	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	14.38	
			<i>For Crossbars At 2" On-Center, Add</i>	1.80	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-1.70	
05 53 13 00-0049	SF		1-3/4" x 3/16" Steel, Swaged Grating.....	27.66	0.84
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	2.39	
			<i>For 304 Stainless Steel, Add</i>	43.04	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	16.61	
			<i>For Crossbars At 2" On-Center, Add</i>	2.08	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-1.79	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0050	SF		2" x 3/16" Steel, Swaged Grating.....	31.16	0.84
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.71	
			For 304 Stainless Steel, Add	48.84	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	18.85	
			For Crossbars At 2" On-Center, Add	2.36	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.88	
05 53 13 00-0051	SF		2-1/4" x 3/16" Steel, Swaged Grating.....	34.64	0.84
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.03	
			For 304 Stainless Steel, Add	54.61	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	21.08	
			For Crossbars At 2" On-Center, Add	2.64	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-1.96	
05 53 13 00-0052	SF		2-1/2" x 3/16" Steel, Swaged Grating.....	38.14	0.84
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.35	
			For 304 Stainless Steel, Add	60.42	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	23.32	
			For Crossbars At 2" On-Center, Add	2.92	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.05	
<b>05 53 13 00-0053</b>			<b>Aluminum Grating, Type 6063, Swage Locked</b> (05.53.13.00-0044)		
			Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.		
05 53 13 00-0054	SF		1" x 1/8" Aluminum, Swaged Grating .....	15.05	0.69
			For Bearing Bars At 15/16" On-Center, Add	8.75	
			For Crossbars At 2" On-Center, Add	1.09	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.27	
			For Powder Coating, Add	2.05	
05 53 13 00-0055	SF		1" x 3/16" Aluminum, Swaged Grating .....	19.63	0.69
			For Bearing Bars At 15/16" On-Center, Add	11.68	
			For Crossbars At 2" On-Center, Add	1.46	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.38	
			For Powder Coating, Add	2.74	
05 53 13 00-0056	SF		1-1/4" x 1/8" Aluminum, Swaged Grating.....	17.11	0.69
			For Bearing Bars At 15/16" On-Center, Add	10.07	
			For Crossbars At 2" On-Center, Add	1.26	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.32	
			For Powder Coating, Add	2.36	
05 53 13 00-0057	SF		1-1/4" x 3/16" Aluminum, Swaged Grating.....	22.71	0.69
			For Bearing Bars At 15/16" On-Center, Add	13.65	
			For Crossbars At 2" On-Center, Add	1.71	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.46	
			For Powder Coating, Add	3.20	
05 53 13 00-0058	SF		1-1/2" x 1/8" Aluminum, Swaged Grating.....	19.55	0.69
			For Bearing Bars At 15/16" On-Center, Add	11.63	
			For Crossbars At 2" On-Center, Add	1.45	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.38	
			For Powder Coating, Add	2.73	
05 53 13 00-0059	SF		1-1/2" x 3/16" Aluminum, Swaged Grating.....	26.00	0.69
			For Bearing Bars At 15/16" On-Center, Add	15.76	
			For Crossbars At 2" On-Center, Add	1.97	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.54	
			For Powder Coating, Add	3.69	
05 53 13 00-0060	SF		1-3/4" x 3/16" Aluminum, Swaged Grating.....	29.80	0.69
			For Bearing Bars At 15/16" On-Center, Add	18.19	
			For Crossbars At 2" On-Center, Add	2.27	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.64	
			For Powder Coating, Add	4.26	
05 53 13 00-0061	SF		2" x 3/16" Aluminum, Swaged Grating.....	33.58	0.69
			For Bearing Bars At 15/16" On-Center, Add	20.61	
			For Crossbars At 2" On-Center, Add	2.58	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.73	
			For Powder Coating, Add	4.83	
05 53 13 00-0062	SF		2-1/4" x 3/16" Aluminum, Swaged Grating.....	37.38	0.69
			For Bearing Bars At 15/16" On-Center, Add	23.04	
			For Crossbars At 2" On-Center, Add	2.88	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting, Deduct	-1.82	
			For Powder Coating, Add	5.40	



<b>Metals</b>	<b>05</b>	<b>05</b>
Metal Fabrications	05 50	
Metal Gratings	05 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0063 SF 2-1/2" x 3/16" Aluminum, Swaged Grating.....	41.16	0.69
For Bearing Bars At 15/16" On-Center, Add	25.46	
For Crossbars At 2" On-Center, Add	3.18	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.92	
For Powder Coating, Add	5.97	
<b>05 53 13 00-0064 Riveted Grating</b> <small>(05 53 13)</small>		
Note: Riveted grating is an open grid grating where bearing bars are pre-punched to receive a solid round rivet. Crimp/lacing bars are pre-punched as well and then formed into a reticulated shape. Bearing bars and crimp bars are then assembled and clamped in place by rivets which are cold driven under hydraulic pressure to permanently lock the assembly together.		
<b>05 53 13 00-0065 Steel, Riveted Grating</b> <small>(05 53 13 00-0064)</small>		
Note: 1" clear opening, bolted or tack welded in place, unpainted steel, all sizes.		
05 53 13 00-0066 SF 3/4" x 1/8", 7.0 LB/SF, Steel, Riveted Grating.....	37.42	0.69
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.73	
For 304 Stainless Steel, Add	30.96	
For 5/8" Clear Opening, Add	12.43	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.83	
05 53 13 00-0067 SF 3/4" x 3/16", 8.5 LB/SF, Steel, Riveted Grating.....	44.01	0.69
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.05	
For 304 Stainless Steel, Add	36.62	
For 5/8" Clear Opening, Add	14.71	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.99	
05 53 13 00-0068 SF 1" x 1/8", 8.0 LB/SF, Steel, Riveted Grating.....	40.45	0.69
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.88	
For 304 Stainless Steel, Add	33.56	
For 5/8" Clear Opening, Add	13.48	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.90	
05 53 13 00-0069 SF 1" x 3/16", 9.5 LB/SF, Steel, Riveted Grating.....	46.53	0.69
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.17	
For 304 Stainless Steel, Add	38.78	
For 5/8" Clear Opening, Add	15.58	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.05	
05 53 13 00-0070 SF 1-1/4" x 1/8", 9.0 LB/SF, Steel, Riveted Grating .....	42.97	0.69
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.00	
For 304 Stainless Steel, Add	35.73	
For 5/8" Clear Opening, Add	14.35	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.96	
05 53 13 00-0071 SF 1-1/4" x 3/16", 11.1 LB/SF, Steel, Riveted Grating .....	51.21	0.69
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.39	
For 304 Stainless Steel, Add	42.80	
For 5/8" Clear Opening, Add	17.19	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.17	
05 53 13 00-0072 SF 1-1/2" x 1/8", 10.1 LB/SF, Steel, Riveted Grating .....	45.71	0.84
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.11	
For 304 Stainless Steel, Add	37.80	
For 5/8" Clear Opening, Add	15.18	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.24	
05 53 13 00-0073 SF 1-1/2" x 3/16", 12.5 LB/SF, Steel, Riveted Grating .....	54.52	0.84
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.54	
For 304 Stainless Steel, Add	45.37	
For 5/8" Clear Opening, Add	18.22	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.46	
05 53 13 00-0074 SF 1-3/4" x 3/16", 14.0 LB/SF, Steel, Riveted Grating .....	59.01	0.84
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.75	
For 304 Stainless Steel, Add	49.23	
For 5/8" Clear Opening, Add	19.77	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.57	
05 53 13 00-0075 SF 2" x 3/16", 17.0 LB/SF, Steel, Riveted Grating.....	69.05	0.84
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.23	
For 304 Stainless Steel, Add	57.85	
For 5/8" Clear Opening, Add	23.24	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.82	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0076	SF		2-1/4" x 3/16", 18.5 LB/SF, Steel, Riveted Grating.....	72.55	0.84
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.40	
			For 304 Stainless Steel, Add	60.86	
			For 5/8" Clear Opening, Add	24.44	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.91	
05 53 13 00-0077	SF		2-1/2" x 3/16", 20.0 LB/SF, Steel, Riveted Grating.....	75.66	0.84
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	3.55	
			For 304 Stainless Steel, Add	63.53	
			For 5/8" Clear Opening, Add	25.52	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.99	
<b>05 53 13 00-0078</b>			<b>Aluminum, Riveted Grating</b> (05 53 13 00-0064)		
			Note: 1" clear opening, bolted in place and in all sizes.		
05 53 13 00-0079	SF		3/4" x 1/8", 2.4 LB/SF, Aluminum, Riveted Grating.....	32.60	0.69
			For 5/8" Clear Opening, Add	10.77	
			For Powder Coating, Add	4.68	
			For Set In Place Without Bolting, Deduct	-1.71	
05 53 13 00-0080	SF		3/4" x 3/16", 2.9 LB/SF, Aluminum, Riveted Grating.....	38.78	0.69
			For 5/8" Clear Opening, Add	12.90	
			For Powder Coating, Add	5.61	
			For Set In Place Without Bolting, Deduct	-1.86	
05 53 13 00-0081	SF		1" x 1/8", 2.7 LB/SF, Aluminum, Riveted Grating.....	35.90	0.69
			For 5/8" Clear Opening, Add	11.91	
			For Serrated Wear Surface, Add	0.16	
			For Powder Coating, Add	5.18	
			For Set In Place Without Bolting, Deduct	-1.79	
05 53 13 00-0082	SF		1" x 3/16", 3.2 LB/SF, Aluminum, Riveted Grating.....	41.94	0.69
			For 5/8" Clear Opening, Add	13.99	
			For Serrated Wear Surface, Add	0.16	
			For Powder Coating, Add	6.08	
			For Set In Place Without Bolting, Deduct	-1.94	
05 53 13 00-0083	SF		1-1/4" x 1/8", 3.1 LB/SF, Aluminum, Riveted Grating.....	40.32	0.69
			For 5/8" Clear Opening, Add	13.43	
			For Serrated Wear Surface, Add	0.16	
			For Powder Coating, Add	5.84	
			For Set In Place Without Bolting, Deduct	-1.90	
05 53 13 00-0084	SF		1-1/4" x 3/16", 3.8 LB/SF, Aluminum, Riveted Grating.....	48.69	0.69
			For 5/8" Clear Opening, Add	16.32	
			For Serrated Wear Surface, Add	0.16	
			For Powder Coating, Add	7.10	
			For Set In Place Without Bolting, Deduct	-2.11	
05 53 13 00-0085	SF		1-1/2" x 1/8", 3.4 LB/SF, Aluminum, Riveted Grating.....	43.33	0.69
			For 5/8" Clear Opening, Add	14.47	
			For Serrated Wear Surface, Add	0.16	
			For Powder Coating, Add	6.29	
			For Set In Place Without Bolting, Deduct	-1.97	
05 53 13 00-0086	SF		1-1/2" x 3/16", 4.3 LB/SF, Aluminum, Riveted Grating.....	53.97	0.69
			For 5/8" Clear Opening, Add	18.14	
			For Serrated Wear Surface, Add	0.16	
			For Powder Coating, Add	7.89	
			For Set In Place Without Bolting, Deduct	-2.24	
05 53 13 00-0087	SF		1-3/4" x 3/16", 4.8 LB/SF, Aluminum, Riveted Grating.....	59.54	0.69
			For 5/8" Clear Opening, Add	20.07	
			For Serrated Wear Surface, Add	0.16	
			For Powder Coating, Add	8.72	
			For Set In Place Without Bolting, Deduct	-2.38	
05 53 13 00-0088	SF		2" x 3/16", 5.8 LB/SF, Aluminum, Riveted Grating.....	71.00	0.69
			For 5/8" Clear Opening, Add	24.02	
			For Serrated Wear Surface, Add	0.16	
			For Powder Coating, Add	10.44	
			For Set In Place Without Bolting, Deduct	-2.67	
05 53 13 00-0089	SF		2-1/4" x 3/16", 6.4 LB/SF, Aluminum, Riveted Grating.....	77.49	0.69
			For 5/8" Clear Opening, Add	26.26	
			For Serrated Wear Surface, Add	0.16	
			For Powder Coating, Add	11.42	
			For Set In Place Without Bolting, Deduct	-2.83	
05 53 13 00-0090	SF		2-1/2" x 3/16", 7.2 LB/SF, Aluminum, Riveted Grating.....	86.21	0.69
			For 5/8" Clear Opening, Add	29.27	
			For Serrated Wear Surface, Add	0.16	
			For Powder Coating, Add	12.72	
			For Set In Place Without Bolting, Deduct	-3.05	
<b>05 53 16</b>			<b>Plank Gratings</b> (05 53)		
<b>05 53 16 00-0001</b>			<b>Grate-Lock Steel Plank Grating</b> (05 53 16)		
			Note: Smooth or traction grip surface.		
05 53 16 00-0002	SF		1-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating.....	9.96	0.53
			For Stair Tread Application, Add	1.16	
05 53 16 00-0003	SF		2-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating.....	10.64	0.66
			For Stair Tread Application, Add	1.26	



<b>Metals</b>	<b>05</b>	<b>05</b>
Metal Fabrications	05 50	
Metal Gratings	05 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 16 00-0004 SF 3" Height, 18 Gauge Steel Grate-Lock Plank Grating..... <i>For Stair Tread Application, Add</i>	11.21 1.34	0.72
05 53 16 00-0005 SF 4" Height, 18 Gauge Steel Grate-Lock Plank Grating..... <i>For Stair Tread Application, Add</i>	12.25 1.46	0.78
05 53 16 00-0006 SF 1-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating..... <i>For Stair Tread Application, Add</i>	12.12 1.39	0.60
05 53 16 00-0007 SF 2-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating..... <i>For Stair Tread Application, Add</i>	12.90 1.51	0.72
05 53 16 00-0008 SF 1-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating..... <i>For Stair Tread Application, Add</i>	14.88 1.70	0.69
05 53 16 00-0009 SF 2-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating..... <i>For Stair Tread Application, Add</i>	15.85 1.84	0.84
05 53 16 00-0010 SF 3" Height, 14 Gauge Steel Grate-Lock Plank Grating..... <i>For Stair Tread Application, Add</i>	16.96 2.02	1.07
05 53 16 00-0011 SF 4" Height, 14 Gauge Steel Grate-Lock Plank Grating..... <i>For Stair Tread Application, Add</i>	18.73 2.23	1.19

**05 54 Metal Floor Plates** (05 50)

<b>05 54 00 00-0001 Steel Floor Plates</b> (05 54)		
05 54 00 00-0002 SF 16 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	11.46	0.81
05 54 00 00-0003 SF 14 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	13.13	0.81
05 54 00 00-0004 SF 12 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	16.49	0.81
05 54 00 00-0005 SF 1/8" Steel Raised Or Diamond Pattern Floor Plates.....	22.08	0.87
05 54 00 00-0006 SF 1/4" Steel Raised Or Diamond Pattern Floor Plates.....	28.10	0.95

**05 54 00 00-0007 Aluminum Alloy Floor Plates** (05 54)

05 54 00 00-0008 SF 0.125" Aluminum Alloy Raised Or Diamond Pattern Floor Plate..... <i>For Powder Coating, Add</i>	16.92 2.33	0.69
05 54 00 00-0009 SF 0.188" Aluminum Alloy Raised Or Diamond Pattern Floor Plate..... <i>For Powder Coating, Add</i>	19.42 2.68	0.81
05 54 00 00-0010 SF 0.25" Aluminum Alloy Raised Or Diamond Pattern Floor Plate..... <i>For Powder Coating, Add</i>	21.92 3.02	0.87

**05 54 00 00-0011 Type 304 Stainless Steel Floor Plates** (05 54)

05 54 00 00-0012 SF 1/8" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	26.47	0.95
05 54 00 00-0013 SF 3/16" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	31.67	1.07
05 54 00 00-0014 SF 1/4" Type 304 Stainless Raised Or Diamond Pattern Steel Floor Plate.....	41.10	1.26

**05 55 Metal Stair Treads And Nosings** (05 50)

**05 55 13 Metal Stair Treads** (05 55)

**05 55 13 00-0001 Open Cast Iron Stair Tread** (05 55 13)

Note: Includes steel stringers, safety nosing and 2 pipe handrail. Excludes landings.

05 55 13 00-0002 RSR 3'-6" Wide, Open Cast Iron Stair Tread..... <i>For Closed Riser, Add</i>	401.15 34.36	25.11
05 55 13 00-0003 RSR 4'-0" Wide, Open Cast Iron Stair Tread..... <i>For Closed Riser, Add</i>	449.92 38.45	28.87
05 55 13 00-0004 RSR 5'-0" Wide, Open Cast Iron Stair Tread..... <i>For Closed Riser, Add</i>	495.62 42.31	33.89

**05 55 13 00-0005 Abrasive Cast Aluminum Stair Treads** (05 55 13)

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

05 55 13 00-0006 LF 8" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread..... <i>For 3/8" Thick, Add</i>	37.32 8.47	2.16
05 55 13 00-0007 LF 9" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread..... <i>For 3/8" Thick, Add</i>	41.45 9.50	2.16
05 55 13 00-0008 LF 10" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread..... <i>For 3/8" Thick, Add</i>	45.57 10.53	2.16
05 55 13 00-0009 LF 11" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread..... <i>For 3/8" Thick, Add</i>	49.72 11.57	2.16
05 55 13 00-0010 LF 12" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread..... <i>For 3/8" Thick, Add</i>	53.82 12.59	2.16

**05 55 13 00-0011 Abrasive Cast Iron Stair Treads** (05 55 13)

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

05 55 13 00-0012 LF 8" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	53.34	2.16
05 55 13 00-0013 LF 9" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	59.46	2.16
05 55 13 00-0014 LF 10" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	65.60	2.16
05 55 13 00-0015 LF 11" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	71.72	2.16
05 55 13 00-0016 LF 12" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	77.85	2.16

**05 Metals****05 50 Metal Fabrications****05 55 Metal Stair Treads And Nosings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 13 00-0017			<b>Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Treads</b> <sup>(05 55 13)</sup> Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.		
05 55 13 00-0018	LF		6-1/2" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	17.99	2.16
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.60	
			<i>For Two Color Tread, Add</i>	1.95	
05 55 13 00-0019	LF		9" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	21.74	2.16
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.60	
			<i>For Two Color Tread, Add</i>	1.95	
05 55 13 00-0020	LF		11" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	23.39	2.16
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.60	
			<i>For Two Color Tread, Add</i>	1.95	
05 55 13 00-0021			<b>Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Treads</b> <sup>(05 55 13)</sup> Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.		
05 55 13 00-0022	LF		8" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	28.32	2.16
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.60	
			<i>For Two Color Tread, Add</i>	1.95	
05 55 13 00-0023	LF		9" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	28.64	2.16
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.60	
			<i>For Two Color Tread, Add</i>	1.95	
05 55 13 00-0024	LF		11" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	35.37	2.16
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.60	
			<i>For Two Color Tread, Add</i>	1.95	
05 55 13 00-0025	LF		12" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	41.27	2.16
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.60	
			<i>For Two Color Tread, Add</i>	1.95	
05 55 13 00-0026	LF		15" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	48.96	2.16
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.60	
			<i>For Two Color Tread, Add</i>	1.95	
05 55 13 00-0027			<b>Stair Landing Treads</b> <sup>(05 55 13)</sup>		
05 55 13 00-0028			<b>Abrasive Cast Aluminum Stair Landing Treads</b> <sup>(05 55 13 00-0027)</sup> Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0029	SF		5/16" Thick, Abrasive Cast Aluminum Landing Treads.....	53.82	2.16
			<i>For 3/8" Thick, Add</i>	12.59	
05 55 13 00-0030			<b>Abrasive Cast Iron Stair Landing Treads</b> <sup>(05 55 13 00-0027)</sup> Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0031	SF		3/8" Thick, Abrasive Cast Iron Landing Treads.....	77.85	2.16
05 55 13 00-0032			<b>Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads</b> <sup>(05 55 13 00-0027)</sup> Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 13 00-0033	SF		9/32" Thick, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads.....	49.64	2.16
			<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.60	
<b>05 55 16 Metal Stair Nosings</b> <sup>(05 55)</sup>					
05 55 16 00-0001			<b>Abrasive Cast Aluminum Nosings</b> <sup>(05 55 16)</sup> Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0002	LF		3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing.....	14.83	1.47
			<i>For 3/8" Thick, Add</i>	3.12	
05 55 16 00-0003	LF		4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing.....	18.82	1.47
			<i>For 3/8" Thick, Add</i>	4.12	
05 55 16 00-0004	LF		6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing.....	27.71	1.47
			<i>For 3/8" Thick, Add</i>	6.34	
05 55 16 00-0005			<b>Abrasive Cast Iron Nosings</b> <sup>(05 55 16)</sup> Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0006	LF		3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing.....	17.74	1.47
			<i>For 3/8" Thick, Add</i>	3.85	
05 55 16 00-0007	LF		4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing.....	22.65	1.47
			<i>For 3/8" Thick, Add</i>	5.07	
05 55 16 00-0008	LF		6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing.....	32.36	1.47
			<i>For 3/8" Thick, Add</i>	7.50	
05 55 16 00-0009			<b>Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosings</b> <sup>(05 55 16)</sup> Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 16 00-0010	LF		1-7/8" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	12.13	1.47



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 16 00-0011 LF 3" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	14.05	1.47
05 55 16 00-0012 LF 4" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	15.52	1.47
05 55 16 00-0013 LF 6" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	20.08	1.47
05 55 16 00-0014 LF 1-7/8" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing .....	12.65	1.47
05 55 16 00-0015 LF 3" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing .....	14.28	1.47
05 55 16 00-0016 LF 4" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing .....	15.91	1.47
05 55 16 00-0017 LF 3" Depth, 1/4" Thick, 1-3/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing .....	14.92	1.47

**05 56 Metal Castings** (05 50)

<b>05 56 00 00-0001 Castings</b> <small>(05 56)</small>		
05 56 00 00-0002 LB Up To 150 LB, Miscellaneous Castings, Light Section .....	3.16	0.32
05 56 00 00-0003 LB >150 LB, Miscellaneous Castings, Heavy Section.....	5.41	0.25

**05 58 Formed Metal Fabrications** (05 50)

**05 58 13 Column Covers** (05 58)

<b>05 58 13 00-0001 Architectural Column Cover, Aluminum</b> <small>(05 58 13)</small>		
Note: Includes snapform column joint, anodized finish, and column collars at top and bottom (Pittcon Series 1500).		
05 58 13 00-0002 LF 10" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section.....	75.52	
Note: Includes column base and top collar.		
05 58 13 00-0003 LF 12" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section.....	88.93	
Note: Includes column base and top collar.		
05 58 13 00-0004 LF 14" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section.....	106.56	
Note: Includes column base and top collar.		
05 58 13 00-0005 LF 16" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section.....	119.98	
Note: Includes column base and top collar.		
05 58 13 00-0006 LF 18" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section.....	135.08	
Note: Includes column base and top collar.		
05 58 13 00-0007 LF 20" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section.....	150.01	
Note: Includes column base and top collar.		
05 58 13 00-0008 LF 24" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section.....	179.19	
Note: Includes column base and top collar.		
05 58 13 00-0009 LF 30" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section.....	223.00	
Note: Includes column base and top collar.		
05 58 13 00-0010 LF 36" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section.....	243.33	
Note: Includes column base and top collar.		
05 58 13 00-0011 LF 42" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section.....	263.65	
Note: Includes column base and top collar.		
05 58 13 00-0012 LF 48" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section.....	298.13	
Note: Includes column base and top collar.		
05 58 13 00-0013 LF 54" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section.....	349.44	
Note: Includes column base and top collar.		

**05 58 13 00-0014 Monolithic Column Cover, Aluminum** (05 58 13)

Note: Includes painted, and column collars at top and bottom (Pittcon Series 100).		
05 58 13 00-0015 LF 7" Diameter Monolithic Column Cover, Aluminum, Factory .....	27.73	
05 58 13 00-0016 LF 8" Diameter Monolithic Column Cover, Aluminum, Factory .....	31.61	
05 58 13 00-0017 LF 9" Diameter Monolithic Column Cover, Aluminum, Factory .....	35.43	
05 58 13 00-0018 LF 10" Diameter Monolithic Column Cover, Aluminum, Factory .....	39.29	
05 58 13 00-0019 LF 12" Diameter Monolithic Column Cover, Aluminum, Factory Primed, Including Column Base And Top Collar .....	46.88	

**05 58 16 Formed Metal Enclosures** (05 58)

<b>05 58 16 00-0001 Drip Pan</b> <small>(05 58 16)</small>		
05 58 16 00-0002 SF Stainless Steel Drip Pan .....	63.18	3.51
05 58 16 00-0003 SF Galvanized Steel Drip Pan.....	62.40	3.51
05 58 16 00-0004 SF Aluminum Drip Pan .....	43.74	2.80
05 58 16 00-0005 SF Plastic Drip Pan .....	11.01	2.45

**05 58 23 Formed Metal Guards** (05 58)

<b>05 58 23 00-0001 Protective Guard Rails</b> <small>(05 58 23)</small>		
Note: Includes painted finish.		
<b>05 58 23 00-0002 2-Rib, 11 Gauge Steel, Protective Guard Rails</b> <small>(05 58 23 00-0001)</small>		
Note: Steel King Armor Guard.		
<b>05 58 23 00-0003 Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rails</b> <small>(05 58 23 00-0002)</small>		
Note: Excludes posts. Includes fasteners.		
05 58 23 00-0004 EA 1' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail .....	108.10	7.08
05 58 23 00-0005 EA 2' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail .....	128.76	7.08
05 58 23 00-0006 EA 3' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail .....	148.24	7.08
05 58 23 00-0007 EA 4' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail .....	168.90	7.08
05 58 23 00-0008 EA 5' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail .....	188.50	7.08
05 58 23 00-0009 EA 6' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail .....	213.90	7.08
05 58 23 00-0010 EA 7' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail .....	231.21	7.08



**05 Metals****05 50 Metal Fabrications****05 58 Formed Metal Fabrications**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 58 23 00-0011 EA 8' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail .....	258.01	7.08
05 58 23 00-0012 EA 9' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail .....	275.60	7.08
05 58 23 00-0013 EA 10' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail .....	288.16	7.08
<b>05 58 23 00-0014 Posts For 2-Rib Guard Rails (05 58 23 00-0002)</b> Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0015 EA 12" Height, Single Rail Post For 2-Rib Guard Rails .....	212.60	14.74
05 58 23 00-0016 EA 42" Height, Triple Rail Post For 2-Rib Guard Rails .....	284.34	14.74
<b>05 58 23 00-0017 3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0001)</b> Note: Steel King Steel Guard.		
<b>05 58 23 00-0018 Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0017)</b> Note: Excludes posts. Includes fasteners.		
05 58 23 00-0019 EA 1' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	120.55	7.08
05 58 23 00-0020 EA 2' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	134.29	7.08
05 58 23 00-0021 EA 3' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	151.43	7.08
05 58 23 00-0022 EA 4' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	167.45	7.08
05 58 23 00-0023 EA 5' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	185.99	7.08
05 58 23 00-0024 EA 6' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	194.92	7.08
05 58 23 00-0025 EA 7' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	216.42	7.08
05 58 23 00-0026 EA 8' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	234.56	7.08
05 58 23 00-0027 EA 9' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	253.82	7.08
05 58 23 00-0028 EA 10' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	273.36	7.08
<b>05 58 23 00-0029 Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0017)</b> Note: Excludes posts. Includes fasteners and lift-out mounting plate.		
05 58 23 00-0030 EA 1' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	182.36	7.08
05 58 23 00-0031 EA 2' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	197.43	7.08
05 58 23 00-0032 EA 3' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	213.07	7.08
05 58 23 00-0033 EA 4' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	231.21	7.08
05 58 23 00-0034 EA 5' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	249.36	7.08
05 58 23 00-0035 EA 6' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	264.15	7.08
05 58 23 00-0036 EA 7' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	281.18	7.08
05 58 23 00-0037 EA 8' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	300.44	7.08
05 58 23 00-0038 EA 9' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	321.10	7.08
05 58 23 00-0039 EA 10' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	339.25	7.08
<b>05 58 23 00-0040 Posts For 3-Rib Guard Rails (05 58 23 00-0017)</b> Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0041 EA 18" Height, Single Rail Post For 3-Rib Guard Rails .....	184.01	14.74
05 58 23 00-0042 EA 42" Height, Double Rail Post For 3-Rib Guard Rails .....	242.19	14.74
<b>05 58 23 00-0043 All-Welded, Protective Guards (05 58 23)</b> Note: Surface mounted inverted-U style protective barriers. Includes painted finish, drilling, surface mounting plate and anchors.		
<b>05 58 23 00-0044 All-Welded, Protective Guards (05 58 23 00-0043)</b>		
05 58 23 00-0045 EA 36" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard .....	239.45	19.65
05 58 23 00-0046 EA 48" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard .....	253.41	19.65
05 58 23 00-0047 EA 36" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard .....	261.50	19.65
05 58 23 00-0048 EA 48" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard .....	273.51	19.65
05 58 23 00-0049 EA 36" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard .....	270.71	19.65
05 58 23 00-0050 EA 48" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard .....	285.51	19.65
05 58 23 00-0051 EA 36" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard .....	289.70	19.65
05 58 23 00-0052 EA 48" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard .....	294.44	19.65
05 58 23 00-0053 EA 48" Length, 42" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard .....	317.06	19.65
<b>05 58 23 00-0054 Corner Style, All-Welded, Protective Guards (05 58 23 00-0043)</b>		
05 58 23 00-0055 EA 24" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard .....	325.99	19.65
05 58 23 00-0056 EA 30" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard .....	342.74	19.65
05 58 23 00-0057 EA 24" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard .....	349.72	19.65
05 58 23 00-0058 EA 30" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard .....	384.05	19.65
<b>05 58 23 00-0059 Warehouse Safety Bollards (05 58 23)</b> Note: Includes painted finish, drilling, surface mounting plate and anchors.		
05 58 23 00-0060 EA 24" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard .....	148.14	14.74
05 58 23 00-0061 EA 36" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard .....	175.72	14.74
05 58 23 00-0062 EA 42" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard .....	204.92	14.74
05 58 23 00-0063 EA 36" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard .....	212.91	14.74
05 58 23 00-0064 EA 42" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard .....	231.33	14.74

**05 59 Metal Specialties (05 50)**



<b>Metals</b>	<b>05</b>	<b>05</b>
Metal Fabrications	05 50	
Metal Specialties	05 59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>05 59 65 Metal Chain (05 59)</b>		
<b>05 59 65 00-0001 Alloy Steel Chain, Self Colored, Cut Length (05 59 65)</b>		
Note: Includes all connecting links, double clevis mid-Links, slip or grab hooks, or shackles as required.		
05 59 65 00-0002 LF 3/16" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	3.69	0.61
For Plastic Dipped, Add	0.37	
05 59 65 00-0003 LF 1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	4.96	0.81
For Plastic Dipped, Add	0.50	
05 59 65 00-0004 LF 3/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	7.73	1.62
For Plastic Dipped, Add	0.67	
05 59 65 00-0005 LF 1/2" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	12.37	2.73
For Plastic Dipped, Add	1.04	
05 59 65 00-0006 LF 5/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	20.88	4.61
For Plastic Dipped, Add	1.75	
05 59 65 00-0007 LF 3/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	29.30	6.48
For Plastic Dipped, Add	2.45	
05 59 65 00-0008 LF 7/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	40.16	8.10
For Plastic Dipped, Add	3.60	
05 59 65 00-0009 LF 1" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	58.35	10.79
For Plastic Dipped, Add	5.51	
05 59 65 00-0010 LF 1-1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored .....	95.29	16.19
For Plastic Dipped, Add	9.44	
<b>05 59 65 00-0011 316L Stainless Steel Chain, Cut Length (05 59 65)</b>		
05 59 65 00-0012 CLF 1/8" Diameter 316L Stainless Steel Chain, Cut Length.....	3,156.79	53.94
05 59 65 00-0013 CLF 3/16" Diameter 316L Stainless Steel Chain, Cut Length.....	3,888.46	64.76
05 59 65 00-0014 CLF 9/32" Diameter 316L Stainless Steel Chain, Cut Length.....	4,874.83	80.96
05 59 65 00-0015 CLF 5/16" Diameter 316L Stainless Steel Chain, Cut Length.....	6,588.95	107.96
05 59 65 00-0016 CLF 3/8" Diameter 316L Stainless Steel Chain, Cut Length.....	7,405.00	161.90
05 59 65 00-0017 CLF 1/2" Diameter 316L Stainless Steel Chain, Cut Length.....	11,116.24	269.86
<b>05 59 69 Metal Panels (05 59)</b>		
<b>05 59 69 00-0001 Woven And Welded Wire Cloth (05 59 69)</b>		
Note: Excludes frame and fastening to frame. See CSI section 05 12 23 00-0129 for spot welding.		
<b>05 59 69 00-0002 Plain Steel Woven And Welded Wire Cloth Panels (05 59 69 00-0001)</b>		
<b>05 59 69 00-0003 2" Square Wire Spacing (05 59 69 00-0002)</b>		
05 59 69 00-0004 SF 0.12" Thick Wire, 2" Spacing, 0.44 LB/SF Woven And Welded Wire Cloth Panels .....	6.04	1.73
For Up To 2, Add	1.67	
For >2 To 6, Add	0.95	
For >15 To 40, Deduct	-0.19	
For >40, Deduct	-0.56	
For Galvanized, Add	1.87	
For Aluminum, Add	2.24	
For 304 Stainless Steel, Add	8.95	
For 316 Stainless Steel, Add	10.26	
05 59 69 00-0005 SF 0.135" Thick Wire, 2" Spacing, 0.55 LB/SF Woven And Welded Wire Cloth Panels .....	6.50	1.80
For Up To 2, Add	1.78	
For >2 To 6, Add	1.01	
For >15 To 40, Deduct	-0.21	
For >40, Deduct	-0.62	
For Galvanized, Add	2.05	
For Aluminum, Add	2.46	
For 304 Stainless Steel, Add	9.84	
For 316 Stainless Steel, Add	11.28	
05 59 69 00-0006 SF 0.148" Thick Wire, 2" Spacing, 0.65 LB/SF Woven And Welded Wire Cloth Panels .....	6.90	2.00
For Up To 2, Add	1.91	
For >2 To 6, Add	1.09	
For >15 To 40, Deduct	-0.21	
For >40, Deduct	-0.64	
For Galvanized, Add	2.12	
For Aluminum, Add	2.54	
For 304 Stainless Steel, Add	10.18	
For 316 Stainless Steel, Add	11.66	
05 59 69 00-0007 SF 0.162" Thick Wire, 2" Spacing, 0.78 LB/SF Woven And Welded Wire Cloth Panels .....	7.28	2.08
For Up To 2, Add	2.01	
For >2 To 6, Add	1.14	
For >15 To 40, Deduct	-0.23	
For >40, Deduct	-0.68	
For Galvanized, Add	2.26	
For Aluminum, Add	2.71	
For 304 Stainless Steel, Add	10.82	
For 316 Stainless Steel, Add	12.40	
05 59 69 00-0008 SF 0.177" Thick Wire, 2" Spacing, 0.92 LB/SF Woven And Welded Wire Cloth Panels .....	7.95	2.33
For Up To 2, Add	2.21	
For >2 To 6, Add	1.26	
For >15 To 40, Deduct	-0.24	
For >40, Deduct	-0.73	
For Galvanized, Add	2.42	
For Aluminum, Add	2.90	
For 304 Stainless Steel, Add	11.62	
For 316 Stainless Steel, Add	13.31	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0009	SF		0.192" Thick Wire, 2" Spacing, 1.08 LB/SF Woven And Welded Wire Cloth Panels.....	9.15	2.59
			For Up To 2, Add	2.52	
			For >2 To 6, Add	1.44	
			For >15 To 40, Deduct	-0.28	
			For >40, Deduct	-0.85	
			For Galvanized, Add	2.84	
			For Aluminum, Add	3.41	
			For 304 Stainless Steel, Add	13.63	
			For 316 Stainless Steel, Add	15.62	
05 59 69 00-0010	SF		0.207" Thick Wire, 2" Spacing, 1.25 LB/SF Woven And Welded Wire Cloth Panels.....	10.39	2.85
			For Up To 2, Add	2.84	
			For >2 To 6, Add	1.61	
			For >15 To 40, Deduct	-0.33	
			For >40, Deduct	-0.99	
			For Galvanized, Add	3.29	
			For Aluminum, Add	3.95	
			For 304 Stainless Steel, Add	15.79	
			For 316 Stainless Steel, Add	18.10	
05 59 69 00-0011	SF		0.225" Thick Wire, 2" Spacing, 1.46 LB/SF Woven And Welded Wire Cloth Panels.....	11.91	3.18
			For Up To 2, Add	3.23	
			For >2 To 6, Add	1.83	
			For >15 To 40, Deduct	-0.38	
			For >40, Deduct	-1.15	
			For Galvanized, Add	3.84	
			For Aluminum, Add	4.61	
			For 304 Stainless Steel, Add	18.43	
			For 316 Stainless Steel, Add	21.12	
<b>05 59 69 00-0012</b>			<b>1-3/4" Square Wire Spacing</b> (05 59 69 00-0002)		
05 59 69 00-0013	SF		0.12" Thick Wire, 1-3/4" Spacing, 0.49 LB/SF Woven And Welded Wire Cloth Panels .....	6.33	1.84
			For Up To 2, Add	1.75	
			For >2 To 6, Add	1.00	
			For >15 To 40, Deduct	-0.19	
			For >40, Deduct	-0.58	
			For Galvanized, Add	1.95	
			For Aluminum, Add	2.33	
			For 304 Stainless Steel, Add	9.34	
			For 316 Stainless Steel, Add	10.70	
05 59 69 00-0014	SF		0.135" Thick Wire, 1-3/4" Spacing, 0.62 LB/SF Woven And Welded Wire Cloth Panels .....	6.98	1.93
			For Up To 2, Add	1.91	
			For >2 To 6, Add	1.09	
			For >15 To 40, Deduct	-0.22	
			For >40, Deduct	-0.66	
			For Galvanized, Add	2.20	
			For Aluminum, Add	2.64	
			For 304 Stainless Steel, Add	10.56	
			For 316 Stainless Steel, Add	12.10	
05 59 69 00-0015	SF		0.148" Thick Wire, 1-3/4" Spacing, 0.74 LB/SF Woven And Welded Wire Cloth Panels .....	7.48	2.16
			For Up To 2, Add	2.07	
			For >2 To 6, Add	1.18	
			For >15 To 40, Deduct	-0.23	
			For >40, Deduct	-0.69	
			For Galvanized, Add	2.30	
			For Aluminum, Add	2.75	
			For 304 Stainless Steel, Add	11.02	
			For 316 Stainless Steel, Add	12.62	
05 59 69 00-0016	SF		0.162" Thick Wire, 1-3/4" Spacing, 0.88 LB/SF Woven And Welded Wire Cloth Panels .....	7.82	2.24
			For Up To 2, Add	2.16	
			For >2 To 6, Add	1.23	
			For >15 To 40, Deduct	-0.24	
			For >40, Deduct	-0.73	
			For Galvanized, Add	2.42	
			For Aluminum, Add	2.90	
			For 304 Stainless Steel, Add	11.62	
			For 316 Stainless Steel, Add	13.31	
05 59 69 00-0017	SF		0.177" Thick Wire, 1-3/4" Spacing, 1.04 LB/SF Woven And Welded Wire Cloth Panels .....	8.55	2.50
			For Up To 2, Add	2.38	
			For >2 To 6, Add	1.36	
			For >15 To 40, Deduct	-0.26	
			For >40, Deduct	-0.78	
			For Galvanized, Add	2.61	
			For Aluminum, Add	3.13	
			For 304 Stainless Steel, Add	12.50	
			For 316 Stainless Steel, Add	14.33	
05 59 69 00-0018	SF		0.192" Thick Wire, 1-3/4" Spacing, 1.22 LB/SF Woven And Welded Wire Cloth Panels .....	9.84	2.79
			For Up To 2, Add	2.71	
			For >2 To 6, Add	1.54	
			For >15 To 40, Deduct	-0.31	
			For >40, Deduct	-0.92	
			For Galvanized, Add	3.06	
			For Aluminum, Add	3.67	
			For 304 Stainless Steel, Add	14.66	
			For 316 Stainless Steel, Add	16.80	



<b>Metals</b>	<b>05</b>	<b>05</b>
Metal Fabrications	05 50	
Metal Specialties	05 59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0019 SF 0.207" Thick Wire, 1-3/4" Spacing, 1.41 LB/SF Woven And Welded Wire Cloth Panels .....	11.16	3.07
For Up To 2, Add	3.05	
For >2 To 6, Add	1.73	
For >15 To 40, Deduct	-0.35	
For >40, Deduct	-1.06	
For Galvanized, Add	3.53	
For Aluminum, Add	4.24	
For 304 Stainless Steel, Add	16.94	
For 316 Stainless Steel, Add	19.42	
05 59 69 00-0020 SF 0.225" Thick Wire, 1-3/4" Spacing, 1.65 LB/SF Woven And Welded Wire Cloth Panels .....	12.82	3.41
For Up To 2, Add	3.47	
For >2 To 6, Add	1.96	
For >15 To 40, Deduct	-0.41	
For >40, Deduct	-1.24	
For Galvanized, Add	4.14	
For Aluminum, Add	4.96	
For 304 Stainless Steel, Add	19.85	
For 316 Stainless Steel, Add	22.74	
<b>05 59 69 00-0021 1-1/2" Square Wire Spacing</b> <small>(05 59 69 00-0002)</small>		
05 59 69 00-0022 SF 0.12" Thick Wire, 1-1/2" Spacing, 0.57 LB/SF Woven And Welded Wire Cloth Panels .....	7.00	2.04
For Up To 2, Add	1.94	
For >2 To 6, Add	1.11	
For >15 To 40, Deduct	-0.22	
For >40, Deduct	-0.65	
For Galvanized, Add	2.15	
For Aluminum, Add	2.58	
For 304 Stainless Steel, Add	10.32	
For 316 Stainless Steel, Add	11.83	
05 59 69 00-0023 SF 0.135" Thick Wire, 1-1/2" Spacing, 0.72 LB/SF Woven And Welded Wire Cloth Panels .....	7.71	2.14
For Up To 2, Add	2.11	
For >2 To 6, Add	1.20	
For >15 To 40, Deduct	-0.24	
For >40, Deduct	-0.73	
For Galvanized, Add	2.44	
For Aluminum, Add	2.92	
For 304 Stainless Steel, Add	11.69	
For 316 Stainless Steel, Add	13.39	
05 59 69 00-0024 SF 0.148" Thick Wire, 1-1/2" Spacing, 0.85 LB/SF Woven And Welded Wire Cloth Panels .....	8.19	2.37
For Up To 2, Add	2.27	
For >2 To 6, Add	1.29	
For >15 To 40, Deduct	-0.25	
For >40, Deduct	-0.75	
For Galvanized, Add	2.52	
For Aluminum, Add	3.02	
For 304 Stainless Steel, Add	12.07	
For 316 Stainless Steel, Add	13.83	
05 59 69 00-0025 SF 0.162" Thick Wire, 1-1/2" Spacing, 1.02 LB/SF Woven And Welded Wire Cloth Panels .....	8.64	2.47
For Up To 2, Add	2.39	
For >2 To 6, Add	1.36	
For >15 To 40, Deduct	-0.27	
For >40, Deduct	-0.80	
For Galvanized, Add	2.68	
For Aluminum, Add	3.21	
For 304 Stainless Steel, Add	12.84	
For 316 Stainless Steel, Add	14.71	
05 59 69 00-0026 SF 0.177" Thick Wire, 1-1/2" Spacing, 1.2 LB/SF Woven And Welded Wire Cloth Panels .....	9.41	2.76
For Up To 2, Add	2.62	
For >2 To 6, Add	1.49	
For >15 To 40, Deduct	-0.29	
For >40, Deduct	-0.86	
For Galvanized, Add	2.87	
For Aluminum, Add	3.44	
For 304 Stainless Steel, Add	13.75	
For 316 Stainless Steel, Add	15.76	
05 59 69 00-0027 SF 0.192" Thick Wire, 1-1/2" Spacing, 1.4 LB/SF Woven And Welded Wire Cloth Panels .....	10.76	3.06
For Up To 2, Add	2.97	
For >2 To 6, Add	1.69	
For >15 To 40, Deduct	-0.33	
For >40, Deduct	-1.00	
For Galvanized, Add	3.34	
For Aluminum, Add	4.01	
For 304 Stainless Steel, Add	16.03	
For 316 Stainless Steel, Add	18.37	
05 59 69 00-0028 SF 0.207" Thick Wire, 1-1/2" Spacing, 1.62 LB/SF Woven And Welded Wire Cloth Panels .....	12.21	3.36
For Up To 2, Add	3.34	
For >2 To 6, Add	1.89	
For >15 To 40, Deduct	-0.39	
For >40, Deduct	-1.16	
For Galvanized, Add	3.87	
For Aluminum, Add	4.64	
For 304 Stainless Steel, Add	18.55	
For 316 Stainless Steel, Add	21.26	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0029	SF		0.225" Thick Wire, 1-1/2" Spacing, 1.89 LB/SF Woven And Welded Wire Cloth Panels .....	13.98	3.72
			For Up To 2, Add	3.79	
			For >2 To 6, Add	2.14	
			For >15 To 40, Deduct	-0.45	
			For >40, Deduct	-1.35	
			For Galvanized, Add	4.51	
			For Aluminum, Add	5.41	
			For 304 Stainless Steel, Add	21.65	
			For 316 Stainless Steel, Add	24.81	
<b>05 59 69 00-0030</b>			<b>1-1/4" Square Wire Spacing (05 59 69 00-0002)</b>		
05 59 69 00-0031	SF		0.105" Thick Wire, 1-1/4" Spacing, 0.52 LB/SF Woven And Welded Wire Cloth Panels .....	7.16	2.20
			For Up To 2, Add	2.02	
			For >2 To 6, Add	1.16	
			For >15 To 40, Deduct	-0.21	
			For >40, Deduct	-0.63	
			For Galvanized, Add	2.11	
			For Aluminum, Add	2.53	
			For 304 Stainless Steel, Add	10.13	
			For 316 Stainless Steel, Add	11.61	
05 59 69 00-0032	SF		0.12" Thick Wire, 1-1/4" Spacing, 0.68 LB/SF Woven And Welded Wire Cloth Panels .....	7.75	2.31
			For Up To 2, Add	2.17	
			For >2 To 6, Add	1.24	
			For >15 To 40, Deduct	-0.23	
			For >40, Deduct	-0.70	
			For Galvanized, Add	2.34	
			For Aluminum, Add	2.80	
			For 304 Stainless Steel, Add	11.21	
			For 316 Stainless Steel, Add	12.84	
05 59 69 00-0033	SF		0.135" Thick Wire, 1-1/4" Spacing, 0.85 LB/SF Woven And Welded Wire Cloth Panels .....	8.43	2.40
			For Up To 2, Add	2.33	
			For >2 To 6, Add	1.32	
			For >15 To 40, Deduct	-0.26	
			For >40, Deduct	-0.78	
			For Galvanized, Add	2.61	
			For Aluminum, Add	3.13	
			For 304 Stainless Steel, Add	12.53	
			For 316 Stainless Steel, Add	14.36	
05 59 69 00-0034	SF		0.148" Thick Wire, 1-1/4" Spacing, 1.01 LB/SF Woven And Welded Wire Cloth Panels .....	8.70	2.45
			For Up To 2, Add	2.39	
			For >2 To 6, Add	1.36	
			For >15 To 40, Deduct	-0.27	
			For >40, Deduct	-0.81	
			For Galvanized, Add	2.72	
			For Aluminum, Add	3.26	
			For 304 Stainless Steel, Add	13.03	
			For 316 Stainless Steel, Add	14.93	
05 59 69 00-0035	SF		0.162" Thick Wire, 1-1/4" Spacing, 1.2 LB/SF Woven And Welded Wire Cloth Panels .....	9.40	2.76
			For Up To 2, Add	2.62	
			For >2 To 6, Add	1.49	
			For >15 To 40, Deduct	-0.29	
			For >40, Deduct	-0.86	
			For Galvanized, Add	2.86	
			For Aluminum, Add	3.43	
			For 304 Stainless Steel, Add	13.73	
			For 316 Stainless Steel, Add	15.73	
05 59 69 00-0036	SF		0.177" Thick Wire, 1-1/4" Spacing, 1.42 LB/SF Woven And Welded Wire Cloth Panels .....	10.60	3.11
			For Up To 2, Add	2.95	
			For >2 To 6, Add	1.68	
			For >15 To 40, Deduct	-0.32	
			For >40, Deduct	-0.97	
			For Galvanized, Add	3.23	
			For Aluminum, Add	3.87	
			For 304 Stainless Steel, Add	15.48	
			For 316 Stainless Steel, Add	17.74	
05 59 69 00-0037	SF		0.192" Thick Wire, 1-1/4" Spacing, 1.65 LB/SF Woven And Welded Wire Cloth Panels .....	12.07	3.43
			For Up To 2, Add	3.33	
			For >2 To 6, Add	1.89	
			For >15 To 40, Deduct	-0.38	
			For >40, Deduct	-1.13	
			For Galvanized, Add	3.75	
			For Aluminum, Add	4.50	
			For 304 Stainless Steel, Add	18.00	
			For 316 Stainless Steel, Add	20.63	
05 59 69 00-0038	SF		0.207" Thick Wire, 1-1/4" Spacing, 1.9 LB/SF Woven And Welded Wire Cloth Panels .....	13.63	3.75
			For Up To 2, Add	3.73	
			For >2 To 6, Add	2.11	
			For >15 To 40, Deduct	-0.43	
			For >40, Deduct	-1.29	
			For Galvanized, Add	4.32	
			For Aluminum, Add	5.18	
			For 304 Stainless Steel, Add	20.71	
			For 316 Stainless Steel, Add	23.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0039 SF 0.225" Thick Wire, 1-1/4" Spacing, 2.22 LB/SF Woven And Welded Wire Cloth Panels .....	15.64	4.17
For Up To 2, Add	4.24	
For >2 To 6, Add	2.40	
For >15 To 40, Deduct	-0.50	
For >40, Deduct	-1.51	
For Galvanized, Add	5.05	
For Aluminum, Add	6.05	
For 304 Stainless Steel, Add	24.22	
For 316 Stainless Steel, Add	27.75	
 05 59 69 00-0040 1" Square Wire Spacing (05 59 69 00-0002)		
05 59 69 00-0041 SF 0.105" Thick Wire, 1" Spacing, 0.64 LB/SF Woven And Welded Wire Cloth Panels .....	8.15	2.58
For Up To 2, Add	2.32	
For >2 To 6, Add	1.33	
For >15 To 40, Deduct	-0.24	
For >40, Deduct	-0.71	
For Galvanized, Add	2.36	
For Aluminum, Add	2.83	
For 304 Stainless Steel, Add	11.33	
For 316 Stainless Steel, Add	12.98	
05 59 69 00-0042 SF 0.12" Thick Wire, 1" Spacing, 0.83 LB/SF Woven And Welded Wire Cloth Panels .....	8.75	2.68
For Up To 2, Add	2.46	
For >2 To 6, Add	1.41	
For >15 To 40, Deduct	-0.26	
For >40, Deduct	-0.78	
For Galvanized, Add	2.59	
For Aluminum, Add	3.11	
For 304 Stainless Steel, Add	12.43	
For 316 Stainless Steel, Add	14.25	
05 59 69 00-0043 SF 0.135" Thick Wire, 1" Spacing, 1.04 LB/SF Woven And Welded Wire Cloth Panels .....	9.11	2.79
For Up To 2, Add	2.57	
For >2 To 6, Add	1.47	
For >15 To 40, Deduct	-0.27	
For >40, Deduct	-0.81	
For Galvanized, Add	2.69	
For Aluminum, Add	3.23	
For 304 Stainless Steel, Add	12.91	
For 316 Stainless Steel, Add	14.80	
05 59 69 00-0044 SF 0.148" Thick Wire, 1" Spacing, 1.23 LB/SF Woven And Welded Wire Cloth Panels .....	9.80	2.83
For Up To 2, Add	2.72	
For >2 To 6, Add	1.55	
For >15 To 40, Deduct	-0.30	
For >40, Deduct	-0.90	
For Galvanized, Add	3.01	
For Aluminum, Add	3.61	
For 304 Stainless Steel, Add	14.42	
For 316 Stainless Steel, Add	16.53	
05 59 69 00-0045 SF 0.162" Thick Wire, 1" Spacing, 1.46 LB/SF Woven And Welded Wire Cloth Panels .....	10.89	3.20
For Up To 2, Add	3.03	
For >2 To 6, Add	1.73	
For >15 To 40, Deduct	-0.33	
For >40, Deduct	-0.99	
For Galvanized, Add	3.31	
For Aluminum, Add	3.97	
For 304 Stainless Steel, Add	15.89	
For 316 Stainless Steel, Add	18.21	
05 59 69 00-0046 SF 0.177" Thick Wire, 1" Spacing, 1.72 LB/SF Woven And Welded Wire Cloth Panels .....	12.22	3.58
For Up To 2, Add	3.40	
For >2 To 6, Add	1.94	
For >15 To 40, Deduct	-0.37	
For >40, Deduct	-1.12	
For Galvanized, Add	3.72	
For Aluminum, Add	4.46	
For 304 Stainless Steel, Add	17.86	
For 316 Stainless Steel, Add	20.46	
05 59 69 00-0047 SF 0.192" Thick Wire, 1" Spacing, 2.01 LB/SF Woven And Welded Wire Cloth Panels .....	14.01	3.97
For Up To 2, Add	3.86	
For >2 To 6, Add	2.20	
For >15 To 40, Deduct	-0.44	
For >40, Deduct	-1.31	
For Galvanized, Add	4.35	
For Aluminum, Add	5.22	
For 304 Stainless Steel, Add	20.88	
For 316 Stainless Steel, Add	23.93	
05 59 69 00-0048 SF 0.207" Thick Wire, 1" Spacing, 2.31 LB/SF Woven And Welded Wire Cloth Panels .....	15.79	4.35
For Up To 2, Add	4.32	
For >2 To 6, Add	2.45	
For >15 To 40, Deduct	-0.50	
For >40, Deduct	-1.50	
For Galvanized, Add	5.00	
For Aluminum, Add	6.00	
For 304 Stainless Steel, Add	24.00	
For 316 Stainless Steel, Add	27.50	

<b>05</b>	<b>Metals</b>
<b>05 50</b>	<b>Metal Fabrications</b>
<b>05 59</b>	<b>Metal Specialties</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0049	SF		0.225" Thick Wire, 1" Spacing, 2.69 LB/SF Woven And Welded Wire Cloth Panels.....	18.05	4.80
			For Up To 2, Add	4.89	
			For >2 To 6, Add	2.77	
			For >15 To 40, Deduct	-0.58	
			For >40, Deduct	-1.75	
			For Galvanized, Add	5.82	
			For Aluminum, Add	6.98	
			For 304 Stainless Steel, Add	27.94	
			For 316 Stainless Steel, Add	32.01	
05 59 69 00-0050			<b>3/4" Square Wire Spacing</b> <small>(05 59 69 00-0002)</small>		
05 59 69 00-0051	SF		0.105" Thick Wire, 3/4" Spacing, 0.83 LB/SF Woven And Welded Wire Cloth Panels.....	8.26	2.57
			For Up To 2, Add	2.34	
			For >2 To 6, Add	1.34	
			For >15 To 40, Deduct	-0.24	
			For >40, Deduct	-0.72	
			For Galvanized, Add	2.42	
			For Aluminum, Add	2.90	
			For 304 Stainless Steel, Add	11.59	
			For 316 Stainless Steel, Add	13.28	
05 59 69 00-0052	SF		0.12" Thick Wire, 3/4" Spacing, 1.07 LB/SF Woven And Welded Wire Cloth Panels.....	9.22	2.89
			For Up To 2, Add	2.61	
			For >2 To 6, Add	1.50	
			For >15 To 40, Deduct	-0.27	
			For >40, Deduct	-0.81	
			For Galvanized, Add	2.69	
			For Aluminum, Add	3.23	
			For 304 Stainless Steel, Add	12.91	
			For 316 Stainless Steel, Add	14.80	
05 59 69 00-0053	SF		0.135" Thick Wire, 3/4" Spacing, 1.33 LB/SF Woven And Welded Wire Cloth Panels.....	10.19	3.26
			For Up To 2, Add	2.91	
			For >2 To 6, Add	1.67	
			For >15 To 40, Deduct	-0.29	
			For >40, Deduct	-0.88	
			For Galvanized, Add	2.93	
			For Aluminum, Add	3.51	
			For 304 Stainless Steel, Add	14.04	
			For 316 Stainless Steel, Add	16.09	
05 59 69 00-0054	SF		0.148" Thick Wire, 3/4" Spacing, 1.58 LB/SF Woven And Welded Wire Cloth Panels.....	11.03	3.47
			For Up To 2, Add	3.13	
			For >2 To 6, Add	1.80	
			For >15 To 40, Deduct	-0.32	
			For >40, Deduct	-0.96	
			For Galvanized, Add	3.20	
			For Aluminum, Add	3.84	
			For 304 Stainless Steel, Add	15.36	
			For 316 Stainless Steel, Add	17.60	
05 59 69 00-0055	SF		0.162" Thick Wire, 3/4" Spacing, 1.87 LB/SF Woven And Welded Wire Cloth Panels.....	12.78	3.90
			For Up To 2, Add	3.60	
			For >2 To 6, Add	2.06	
			For >15 To 40, Deduct	-0.38	
			For >40, Deduct	-1.14	
			For Galvanized, Add	3.79	
			For Aluminum, Add	4.54	
			For 304 Stainless Steel, Add	18.17	
			For 316 Stainless Steel, Add	20.82	
05 59 69 00-0056	SF		0.177" Thick Wire, 3/4" Spacing, 2.2 LB/SF Woven And Welded Wire Cloth Panels.....	14.73	4.37
			For Up To 2, Add	4.11	
			For >2 To 6, Add	2.35	
			For >15 To 40, Deduct	-0.45	
			For >40, Deduct	-1.34	
			For Galvanized, Add	4.46	
			For Aluminum, Add	5.35	
			For 304 Stainless Steel, Add	21.38	
			For 316 Stainless Steel, Add	24.50	
05 59 69 00-0057	SF		0.192" Thick Wire, 3/4" Spacing, 2.56 LB/SF Woven And Welded Wire Cloth Panels.....	16.81	4.82
			For Up To 2, Add	4.65	
			For >2 To 6, Add	2.65	
			For >15 To 40, Deduct	-0.52	
			For >40, Deduct	-1.56	
			For Galvanized, Add	5.19	
			For Aluminum, Add	6.22	
			For 304 Stainless Steel, Add	24.89	
			For 316 Stainless Steel, Add	28.52	
05 59 69 00-0058	SF		0.207" Thick Wire, 3/4" Spacing, 2.93 LB/SF Woven And Welded Wire Cloth Panels.....	18.85	5.25
			For Up To 2, Add	5.17	
			For >2 To 6, Add	2.93	
			For >15 To 40, Deduct	-0.59	
			For >40, Deduct	-1.78	
			For Galvanized, Add	5.93	
			For Aluminum, Add	7.12	
			For 304 Stainless Steel, Add	28.46	
			For 316 Stainless Steel, Add	32.62	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0059	SF		0.225" Thick Wire, 3/4" Spacing, 3.41 LB/SF Woven And Welded Wire Cloth Panels .....	21.55	5.80
			For Up To 2, Add	5.86	
			For >2 To 6, Add	3.32	
			For >15 To 40, Deduct	-0.69	
			For >40, Deduct	-2.07	
			For Galvanized, Add	6.91	
			For Aluminum, Add	8.29	
			For 304 Stainless Steel, Add	33.14	
			For 316 Stainless Steel, Add	37.98	
<b>05 59 69 00-0060</b>			<b>1/2" Square Wire Spacing (05 59 69 00-0002)</b>		
05 59 69 00-0061	SF		0.105" Thick Wire, 1/2" Spacing, 1.18 LB/SF Woven And Welded Wire Cloth Panels .....	8.60	2.75
			For Up To 2, Add	2.45	
			For >2 To 6, Add	1.41	
			For >15 To 40, Deduct	-0.25	
			For >40, Deduct	-0.74	
			For Galvanized, Add	2.47	
			For Aluminum, Add	2.96	
			For 304 Stainless Steel, Add	11.86	
			For 316 Stainless Steel, Add	13.59	
05 59 69 00-0062	SF		0.12" Thick Wire, 1/2" Spacing, 1.51 LB/SF Woven And Welded Wire Cloth Panels .....	10.05	3.34
			For Up To 2, Add	2.90	
			For >2 To 6, Add	1.67	
			For >15 To 40, Deduct	-0.28	
			For >40, Deduct	-0.84	
			For Galvanized, Add	2.80	
			For Aluminum, Add	3.35	
			For 304 Stainless Steel, Add	13.42	
			For 316 Stainless Steel, Add	15.37	
05 59 69 00-0063	SF		0.135" Thick Wire, 1/2" Spacing, 1.88 LB/SF Woven And Welded Wire Cloth Panels .....	12.17	3.95
			For Up To 2, Add	3.49	
			For >2 To 6, Add	2.01	
			For >15 To 40, Deduct	-0.34	
			For >40, Deduct	-1.03	
			For Galvanized, Add	3.45	
			For Aluminum, Add	4.13	
			For 304 Stainless Steel, Add	16.54	
			For 316 Stainless Steel, Add	18.95	
05 59 69 00-0064	SF		0.148" Thick Wire, 1/2" Spacing, 2.22 LB/SF Woven And Welded Wire Cloth Panels .....	14.06	4.44
			For Up To 2, Add	4.00	
			For >2 To 6, Add	2.29	
			For >15 To 40, Deduct	-0.41	
			For >40, Deduct	-1.22	
			For Galvanized, Add	4.07	
			For Aluminum, Add	4.88	
			For 304 Stainless Steel, Add	19.54	
			For 316 Stainless Steel, Add	22.39	
05 59 69 00-0065	SF		0.162" Thick Wire, 1/2" Spacing, 2.61 LB/SF Woven And Welded Wire Cloth Panels .....	16.18	4.95
			For Up To 2, Add	4.56	
			For >2 To 6, Add	2.61	
			For >15 To 40, Deduct	-0.48	
			For >40, Deduct	-1.44	
			For Galvanized, Add	4.79	
			For Aluminum, Add	5.74	
			For 304 Stainless Steel, Add	22.97	
			For 316 Stainless Steel, Add	26.32	
05 59 69 00-0066	SF		0.177" Thick Wire, 1/2" Spacing, 3.06 LB/SF Woven And Welded Wire Cloth Panels .....	18.58	5.52
			For Up To 2, Add	5.19	
			For >2 To 6, Add	2.96	
			For >15 To 40, Deduct	-0.56	
			For >40, Deduct	-1.68	
			For Galvanized, Add	5.61	
			For Aluminum, Add	6.73	
			For 304 Stainless Steel, Add	26.93	
			For 316 Stainless Steel, Add	30.86	
05 59 69 00-0067	SF		0.192" Thick Wire, 1/2" Spacing, 3.54 LB/SF Woven And Welded Wire Cloth Panels .....	21.06	6.07
			For Up To 2, Add	5.83	
			For >2 To 6, Add	3.32	
			For >15 To 40, Deduct	-0.65	
			For >40, Deduct	-1.95	
			For Galvanized, Add	6.49	
			For Aluminum, Add	7.78	
			For 304 Stainless Steel, Add	31.13	
			For 316 Stainless Steel, Add	35.67	
05 59 69 00-0068	SF		0.207" Thick Wire, 1/2" Spacing, 4.04 LB/SF Woven And Welded Wire Cloth Panels .....	23.58	6.58
			For Up To 2, Add	6.47	
			For >2 To 6, Add	3.67	
			For >15 To 40, Deduct	-0.74	
			For >40, Deduct	-2.22	
			For Galvanized, Add	7.41	
			For Aluminum, Add	8.89	
			For 304 Stainless Steel, Add	35.54	
			For 316 Stainless Steel, Add	40.73	





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0069	SF		0.225" Thick Wire, 1/2" Spacing, 4.68 LB/SF Woven And Welded Wire Cloth Panels.....	24.46	7.24
			<i>For Up To 2, Add</i>	6.82	
			<i>For &gt;2 To 6, Add</i>	3.89	
			<i>For &gt;15 To 40, Deduct</i>	-0.74	
			<i>For &gt;40, Deduct</i>	-2.22	
			<i>For Galvanized, Add</i>	7.41	
			<i>For Aluminum, Add</i>	8.89	
			<i>For 304 Stainless Steel, Add</i>	35.54	
			<i>For 316 Stainless Steel, Add</i>	40.73	
05 59 69 00-0070			<b>Expanded Metal Panels</b> <small>(05 59 69)</small>		
			Note: Excludes frame and fastening to frame. See CSI section 05 12 23 00-0129 for spot welding.		
05 59 69 00-0071			<b>Plain Flattened Expanded Metal Diamond Shape Panels</b> <small>(05 59 69 00-0070)</small>		
			Note: Excludes frame and fastening to frame. See CSI section 05 12 23 00-0129 for spot welding.		
05 59 69 00-0072	SF		1/4" #20-F Plain Expanded Metal Panel, 0.82 LB/SF .....	7.71	2.37
			<i>For Galvanized, Add</i>	2.28	
			<i>For Aluminum, Add</i>	2.73	
			<i>For 304 Stainless Steel, Add</i>	10.92	
			<i>For 316 Stainless Steel, Add</i>	12.51	
05 59 69 00-0073	SF		1/4" #18-F Plain Expanded Metal Panel, 1.08 LB/SF .....	9.90	2.59
			<i>For Galvanized, Add</i>	3.22	
			<i>For Aluminum, Add</i>	3.86	
			<i>For 304 Stainless Steel, Add</i>	15.43	
			<i>For 316 Stainless Steel, Add</i>	17.68	
05 59 69 00-0074	SF		1/2" #20-F Plain Expanded Metal Panel, 0.40 LB/SF .....	5.49	1.84
			<i>For Galvanized, Add</i>	1.53	
			<i>For Aluminum, Add</i>	1.83	
			<i>For 304 Stainless Steel, Add</i>	7.32	
			<i>For 316 Stainless Steel, Add</i>	8.39	
05 59 69 00-0075	SF		1/2" #18-F Plain Expanded Metal Panel, 0.66 LB/SF .....	6.00	2.00
			<i>For Galvanized, Add</i>	1.67	
			<i>For Aluminum, Add</i>	2.00	
			<i>For 304 Stainless Steel, Add</i>	8.02	
			<i>For 316 Stainless Steel, Add</i>	9.19	
05 59 69 00-0076	SF		1/2" #16-F Plain Expanded Metal Panel, 0.82 LB/SF .....	6.73	2.37
			<i>For Galvanized, Add</i>	1.79	
			<i>For Aluminum, Add</i>	2.14	
			<i>For 304 Stainless Steel, Add</i>	8.57	
			<i>For 316 Stainless Steel, Add</i>	9.82	
05 59 69 00-0077	SF		1/2" #13-F Plain Expanded Metal Panel, 1.4 LB/SF .....	8.62	3.06
			<i>For Galvanized, Add</i>	2.27	
			<i>For Aluminum, Add</i>	2.72	
			<i>For 304 Stainless Steel, Add</i>	10.90	
			<i>For 316 Stainless Steel, Add</i>	12.49	
05 59 69 00-0078	SF		3/4" #16-F Plain Expanded Metal Panel, 0.51 LB/SF .....	4.68	1.80
			<i>For Galvanized, Add</i>	1.14	
			<i>For Aluminum, Add</i>	1.37	
			<i>For 304 Stainless Steel, Add</i>	5.47	
			<i>For 316 Stainless Steel, Add</i>	6.27	
05 59 69 00-0079	SF		3/4" #14-F Plain Expanded Metal Panel, 0.63 LB/SF .....	5.29	1.93
			<i>For Galvanized, Add</i>	1.36	
			<i>For Aluminum, Add</i>	1.63	
			<i>For 304 Stainless Steel, Add</i>	6.50	
			<i>For 316 Stainless Steel, Add</i>	7.45	
05 59 69 00-0080	SF		3/4" #13-F Plain Expanded Metal Panel, 0.75 LB/SF .....	6.06	2.16
			<i>For Galvanized, Add</i>	1.59	
			<i>For Aluminum, Add</i>	1.90	
			<i>For 304 Stainless Steel, Add</i>	7.61	
			<i>For 316 Stainless Steel, Add</i>	8.72	
05 59 69 00-0081	SF		3/4" #9-F Plain Expanded Metal Panel, 1.71 LB/SF .....	9.47	3.58
			<i>For Galvanized, Add</i>	2.35	
			<i>For Aluminum, Add</i>	2.81	
			<i>For 304 Stainless Steel, Add</i>	11.26	
			<i>For 316 Stainless Steel, Add</i>	12.90	
05 59 69 00-0082	SF		1" #16-F Plain Expanded Metal Panel, 0.41 LB/SF .....	5.15	2.20
			<i>For Galvanized, Add</i>	1.11	
			<i>For Aluminum, Add</i>	1.33	
			<i>For 304 Stainless Steel, Add</i>	5.30	
			<i>For 316 Stainless Steel, Add</i>	6.08	
05 59 69 00-0083	SF		1-1/2" #16-F Plain Expanded Metal Panel, 0.38 LB/SF .....	4.53	1.73
			<i>For Galvanized, Add</i>	1.11	
			<i>For Aluminum, Add</i>	1.33	
			<i>For 304 Stainless Steel, Add</i>	5.33	
			<i>For 316 Stainless Steel, Add</i>	6.11	
05 59 69 00-0084	SF		1-1/2" #13-F Plain Expanded Metal Panel, 0.57 LB/SF .....	5.20	2.04
			<i>For Galvanized, Add</i>	1.25	
			<i>For Aluminum, Add</i>	1.50	
			<i>For 304 Stainless Steel, Add</i>	6.00	
			<i>For 316 Stainless Steel, Add</i>	6.88	
05 59 69 00-0085	SF		1-1/2" #9-F Plain Expanded Metal Panel, 1.14 LB/SF .....	8.27	2.75
			<i>For Galvanized, Add</i>	2.31	
			<i>For Aluminum, Add</i>	2.77	
			<i>For 304 Stainless Steel, Add</i>	11.06	
			<i>For 316 Stainless Steel, Add</i>	12.68	



	<b>Metals</b>	<b>05</b>
	Metal Fabrications	05 50
	Metal Specialties	05 59

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**05 70 Decorative Metal** <sup>(05)</sup>

Note: Includes anchors and related accessories.

**05 71 Decorative Metal Stairs** <sup>(05 70)</sup>

**05 71 13 Fabricated Metal Spiral Stairs** <sup>(05 71)</sup>

Note: Includes factory prime.

**05 71 13 00-0001 Spiral Stairs, Stock Units** <sup>(05 71 13)</sup>

Note: Includes factory prime.

**05 71 13 00-0002 Steel Tread** <sup>(05 71 13 00-0001)</sup>

05 71 13 00-0003	VLF 3'-6" Diameter, Spiral Steel Stair With Rails <i>For Galvanized, Add</i>	261.95 139.43		31.38
05 71 13 00-0004	VLF 4' Diameter, Spiral Steel Stair With Rails <i>For Galvanized, Add</i>	298.34 160.50		34.52
05 71 13 00-0005	VLF 4'-6" Diameter, Spiral Steel Stair With Rails <i>For Galvanized, Add</i>	330.10 178.34		37.66
05 71 13 00-0006	VLF 5' Diameter, Spiral Steel Stair With Rails <i>For Galvanized, Add</i>	353.74 190.50		40.81

**05 73 Decorative Metal Railings** <sup>(05 70)</sup>

Note: Factory primed. Includes brackets.

**05 73 23 Decorative Metal Railings** <sup>(05 73)</sup>

**05 73 23 00-0001 Railings; Vertical Square Bars At 6"** <sup>(05 73 23)</sup>

Note: Centers with shaped top rails (round, square, rectangular, diamond, triangular or other shape).

05 73 23 00-0002	LF Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High <i>For Rake Or Angle Railings, Add</i> <i>For Curved Railings, Add</i> <i>For 4" On Center Standards, Add</i> <i>For 4-1/2" On Center Standards, Add</i> <i>For 5" On Center Standards, Add</i> <i>For 5-1/2" On Center Standards, Add</i> <i>For Each Field Bending Of Rails, Add</i> <i>For Galvanized, Add</i>	55.57 6.84 17.22 2.08 1.67 1.11 0.56 9.46 3.89		6.90
05 73 23 00-0003	LF Aluminum Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High <i>For Rake Or Angle Railings, Add</i> <i>For Curved Railings, Add</i> <i>For 4" On Center Standards, Add</i> <i>For 4-1/2" On Center Standards, Add</i> <i>For 5" On Center Standards, Add</i> <i>For 5-1/2" On Center Standards, Add</i> <i>For Each Field Bending Of Rails, Add</i>	94.61 10.61 32.22 4.23 3.38 2.25 1.13 12.07		9.41
05 73 23 00-0004	LF Bronze Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High <i>For Rake Or Angle Railings, Add</i> <i>For Curved Railings, Add</i> <i>For 4" On Center Standards, Add</i> <i>For 4-1/2" On Center Standards, Add</i> <i>For 5" On Center Standards, Add</i> <i>For 5-1/2" On Center Standards, Add</i> <i>For Each Field Bending Of Rails, Add</i>	138.33 15.43 47.34 6.23 4.99 3.32 1.66 16.31		15.70
05 73 23 00-0005	LF Stainless Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High <i>For Rake Or Angle Railings, Add</i> <i>For Curved Railings, Add</i> <i>For 4" On Center Standards, Add</i> <i>For 4-1/2" On Center Standards, Add</i> <i>For 5" On Center Standards, Add</i> <i>For 5-1/2" On Center Standards, Add</i> <i>For Each Field Bending Of Rails, Add</i>	191.53 18.45 73.71 10.54 8.43 5.62 2.81 15.25		12.55
05 73 23 00-0006	LF Black Wrought Iron Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High <i>For Rake Or Angle Railings, Add</i> <i>For Curved Railings, Add</i> <i>For 4" On Center Standards, Add</i> <i>For 4-1/2" On Center Standards, Add</i> <i>For 5" On Center Standards, Add</i> <i>For 5-1/2" On Center Standards, Add</i> <i>For Each Field Bending Of Rails, Add</i>	132.50 13.11 50.02 7.07 5.65 3.77 1.88 12.08		19.14
05 73 23 00-0007	LF Laminated Metal Or Wood Handrails With Metal Supports	97.15		3.14
05 73 23 00-0008	LF 2-1/2" Laminated Metal Or Wood Handrail Round/Oval Shape With Metal Supports <i>For Rake Or Angle Railings, Add</i> <i>For Curved Railings, Add</i> <i>For 4" On Center Standards, Add</i> <i>For 4-1/2" On Center Standards, Add</i> <i>For 5" On Center Standards, Add</i> <i>For 5-1/2" On Center Standards, Add</i> <i>For Each Field Bending Of Rails, Add</i>	7.68 42.09 6.45 5.16 3.44 1.72 5.29		3.14

**05 Metals****05 70 Decorative Metal****05 73 Decorative Metal Railings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 73 23 00-0009			<b>Plain Handrails</b> (05 73 23)		
05 73 23 00-0010	LF		2" Brass Handrail .....	34.39	5.93
05 73 23 00-0011	EA		90 Degree Angle For 2" Brass Handrail .....	71.05	24.78
05 73 23 00-0012	EA		End Cap For 2" Brass Handrail .....	31.71	12.42
05 73 23 00-0013	EA		Brass Bracket And Joint For 2" Brass Handrail .....	53.40	24.78
05 73 23 00-0014	LF		2" Stainless Steel Handrail .....	43.62	7.41
05 73 23 00-0015			<b>Restoration Of Existing Metal Handrail And Railing</b> (05 73 23)		
			Note: Task includes rust removal by grinding, cleaning, surface prep and one coat of protective primer. See CSI section 09 91 13 00-0367 for painting.		
05 73 23 00-0016	LF		Refinish Metal Handrail .....	4.65	
05 73 23 00-0017	LF		Refinish Wrought Iron Balustrade .....	4.60	
05 73 23 00-0018			<b>Remove/Reinstall Ornamental Railing</b> (05 73 23)		
05 73 23 00-0019	LF		Removal And Reinstallation Of Ornamental Handrail And Pickets .....	57.75	
05 73 23 00-0020			<b>Fabricated Railings For Stormwater Structures</b> (05 73 23)		
			Note: Factory primed.		
05 73 23 00-0021	SF		Steel Rails And Pickets At Stormwater Structures, Embedded Mount .....	27.70	1.73
			Note: Includes shop prime and paint.		
			For Surface Bolt-on Installation (Excludes Drilling And Fasteners), Add	0.31	
			For Mounting On Slope, Add	1.70	
			For Powder Coated Finish, Add	3.22	
			For Aluminum, Satin Finish, Add	7.65	
			For Galvanized Finish, Add	4.29	
<b>05 75</b>			<b>Decorative Formed Metal</b> (05 75)		
05 75 00 00-0001			<b>Metal Sheets, Installed On Walls</b> (05 75)		
			Note: Includes field fabrication (bending) where noted.		
05 75 00 00-0002			<b>Copper Sheets, Installed On Walls</b> (05 75 00 00-0001)		
			Note: Includes field fabrication.		
05 75 00 00-0003	SF		0.0162" (12 Ounce) Thick Copper Sheet, Installed On Walls .....	15.68	0.77
			For >16 To 200, Deduct	-0.84	
			For >200 To 500, Deduct	-1.68	
			For >500, Deduct	-2.47	
05 75 00 00-0004	SF		0.0215" (16 Ounce) Thick Copper Sheet, Installed On Walls .....	19.89	0.86
			For >16 To 200, Deduct	-1.06	
			For >200 To 500, Deduct	-2.12	
			For >500, Deduct	-3.11	
05 75 00 00-0005	SF		0.0242" (18 Ounce) Thick Copper Sheet, Installed On Walls .....	21.81	0.93
			For >16 To 200, Deduct	-1.16	
			For >200 To 500, Deduct	-2.32	
			For >500, Deduct	-3.41	
05 75 00 00-0006	SF		0.027" (20 Ounce) Thick Copper Sheet, Installed On Walls .....	23.64	0.98
			For >16 To 200, Deduct	-1.26	
			For >200 To 500, Deduct	-2.51	
			For >500, Deduct	-3.69	
05 75 00 00-0007	SF		0.0323" (24 Ounce) Thick Copper Sheet, Installed On Walls .....	27.23	1.02
			For >16 To 200, Deduct	-1.44	
			For >200 To 500, Deduct	-2.88	
			For >500, Deduct	-4.24	
05 75 00 00-0008	SF		0.0431" (32 Ounce) Thick Copper Sheet, Installed On Walls .....	35.17	1.07
			For >16 To 200, Deduct	-1.84	
			For >200 To 500, Deduct	-3.68	
			For >500, Deduct	-5.44	
05 75 00 00-0009	SF		0.052" (40 Ounce) Thick Copper Sheet, Installed On Walls .....	41.64	1.12
			For >16 To 200, Deduct	-2.17	
			For >200 To 500, Deduct	-4.33	
			For >500, Deduct	-6.41	
05 75 00 00-0010	SF		0.0646" (48 Ounce) Thick Copper Sheet, Installed On Walls .....	50.83	1.20
			For >16 To 200, Deduct	-2.63	
			For >200 To 500, Deduct	-5.26	
			For >500, Deduct	-7.81	
05 75 00 00-0011	SF		0.08" Thick Copper Sheet, Installed On Walls .....	62.99	1.30
			For >16 To 200, Deduct	-3.25	
			For >200 To 500, Deduct	-6.49	
			For >500, Deduct	-9.64	
05 75 00 00-0012	SF		0.125" Thick Copper Sheet, Installed On Walls .....	94.06	1.40
			For >16 To 200, Deduct	-4.81	
			For >200 To 500, Deduct	-9.62	
			For >500, Deduct	-14.32	
05 75 00 00-0013			<b>Stainless Steel Sheets, Installed On Walls</b> (05 75 00 00-0001)		
			Note: Includes field fabrication.		



<b>Metals</b>	<b>05</b>	<b>05</b>
Decorative Metal	05 70	
Decorative Formed Metal	05 75	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0014 SF 0.026" Thick (24 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls.....	9.09	1.40
For >16 To 200, Deduct	-0.56	
For >200 To 500, Deduct	-1.12	
For >500, Deduct	-1.57	
05 75 00 00-0015 SF 0.0312" Thick (22 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls.....	10.29	1.51
For >16 To 200, Deduct	-0.63	
For >200 To 500, Deduct	-1.26	
For >500, Deduct	-1.77	
05 75 00 00-0016 SF 0.0375" Thick (20 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls.....	11.22	1.58
For >16 To 200, Deduct	-0.68	
For >200 To 500, Deduct	-1.36	
For >500, Deduct	-1.92	
05 75 00 00-0017 SF 0.050" Thick (18 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls.....	13.19	1.65
For >16 To 200, Deduct	-0.78	
For >200 To 500, Deduct	-1.57	
For >500, Deduct	-2.23	
05 75 00 00-0018 SF 0.0625" Thick (16 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls.....	15.11	1.73
For >16 To 200, Deduct	-0.89	
For >200 To 500, Deduct	-1.77	
For >500, Deduct	-2.53	
05 75 00 00-0019 SF 0.078" Thick (14 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls.....	17.52	1.82
For >16 To 200, Deduct	-1.01	
For >200 To 500, Deduct	-2.02	
For >500, Deduct	-2.90	
05 75 00 00-0020 SF 0.125" Thick (11 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls.....	25.32	2.11
For >16 To 200, Deduct	-1.42	
For >200 To 500, Deduct	-2.85	
For >500, Deduct	-4.12	
05 75 00 00-0021 SF 3/16" Thick (7 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls.....	34.40	2.24
For >16 To 200, Deduct	-1.89	
For >200 To 500, Deduct	-3.78	
For >500, Deduct	-5.50	
05 75 00 00-0022 SF 1/4" Thick (3 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls.....	47.17	2.72
For >16 To 200, Deduct	-2.56	
For >200 To 500, Deduct	-5.13	
For >500, Deduct	-7.48	
05 75 00 00-0023 SF 3/8" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls.....	79.24	2.91
For >16 To 200, Deduct	-4.18	
For >200 To 500, Deduct	-8.36	
For >500, Deduct	-12.32	
05 75 00 00-0024 SF 1/2" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls.....	101.46	3.39
For >16 To 200, Deduct	-5.33	
For >200 To 500, Deduct	-10.66	
For >500, Deduct	-15.73	
<b>05 75 00 00-0025 Aluminum Sheets, Installed On Walls</b> (05 75 00 00-0001)		
Note: Includes field fabrication.		
05 75 00 00-0026 SF 0.016" Thick (26 Gauge) Aluminum Sheet, Installed On Walls.....	4.19	0.77
For >16 To 200, Deduct	-0.27	
For >200 To 500, Deduct	-0.54	
For >500, Deduct	-0.75	
05 75 00 00-0027 SF 0.020" Thick (24 Gauge) Aluminum Sheet, Installed On Walls.....	4.77	0.86
For >16 To 200, Deduct	-0.30	
For >200 To 500, Deduct	-0.61	
For >500, Deduct	-0.84	
05 75 00 00-0028 SF 0.025" Thick (22 Gauge) Aluminum Sheet, Installed On Walls.....	5.36	0.93
For >16 To 200, Deduct	-0.34	
For >200 To 500, Deduct	-0.68	
For >500, Deduct	-0.94	
05 75 00 00-0029 SF 0.032" Thick (20 Gauge) Aluminum Sheet, Installed On Walls.....	6.00	0.98
For >16 To 200, Deduct	-0.37	
For >200 To 500, Deduct	-0.75	
For >500, Deduct	-1.05	
05 75 00 00-0030 SF 0.040" Thick (18 Gauge) Aluminum Sheet, Installed On Walls.....	6.65	1.02
For >16 To 200, Deduct	-0.41	
For >200 To 500, Deduct	-0.82	
For >500, Deduct	-1.15	
05 75 00 00-0031 SF 0.050" Thick (16 Gauge) Aluminum Sheet, Installed On Walls.....	7.36	1.07
For >16 To 200, Deduct	-0.45	
For >200 To 500, Deduct	-0.90	
For >500, Deduct	-1.26	
05 75 00 00-0032 SF 0.064" Thick (14 Gauge) Aluminum Sheet, Installed On Walls.....	8.25	1.12
For >16 To 200, Deduct	-0.50	
For >200 To 500, Deduct	-0.99	
For >500, Deduct	-1.41	
05 75 00 00-0033 SF 0.090" Thick (11 Gauge) Aluminum Sheet, Installed On Walls.....	9.83	1.30
For >16 To 200, Deduct	-0.59	
For >200 To 500, Deduct	-1.18	
For >500, Deduct	-1.67	
<b>05 75 00 00-0034 Galvanized Steel Sheets, Installed On Walls</b> (05 75 00 00-0001)		
Note: Includes field fabrication.		

**05 Metals****05 70 Decorative Metal****05 75 Decorative Formed Metal**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0035	SF		0.0217" (26 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	4.24	0.77
			<i>For &gt;16 To 200, Deduct</i>	-0.27	
			<i>For &gt;200 To 500, Deduct</i>	-0.54	
			<i>For &gt;500, Deduct</i>	-0.75	
05 75 00 00-0036	SF		0.0276" (24 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	4.69	0.86
			<i>For &gt;16 To 200, Deduct</i>	-0.30	
			<i>For &gt;200 To 500, Deduct</i>	-0.60	
			<i>For &gt;500, Deduct</i>	-0.83	
05 75 00 00-0037	SF		0.0336" (22 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	4.94	0.93
			<i>For &gt;16 To 200, Deduct</i>	-0.32	
			<i>For &gt;200 To 500, Deduct</i>	-0.63	
			<i>For &gt;500, Deduct</i>	-0.88	
05 75 00 00-0038	SF		0.0396" (20 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	5.28	0.98
			<i>For &gt;16 To 200, Deduct</i>	-0.34	
			<i>For &gt;200 To 500, Deduct</i>	-0.67	
			<i>For &gt;500, Deduct</i>	-0.94	
05 75 00 00-0039	SF		0.0516" (18 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	5.76	1.02
			<i>For &gt;16 To 200, Deduct</i>	-0.36	
			<i>For &gt;200 To 500, Deduct</i>	-0.73	
			<i>For &gt;500, Deduct</i>	-1.02	
05 75 00 00-0040	SF		0.0635" (16 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	6.29	1.07
			<i>For &gt;16 To 200, Deduct</i>	-0.39	
			<i>For &gt;200 To 500, Deduct</i>	-0.79	
			<i>For &gt;500, Deduct</i>	-1.10	
05 75 00 00-0041	SF		0.0785" (14 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	7.24	1.12
			<i>For &gt;16 To 200, Deduct</i>	-0.45	
			<i>For &gt;200 To 500, Deduct</i>	-0.89	
			<i>For &gt;500, Deduct</i>	-1.25	
05 75 00 00-0042	SF		0.1084" (12 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	8.49	1.20
			<i>For &gt;16 To 200, Deduct</i>	-0.52	
			<i>For &gt;200 To 500, Deduct</i>	-1.03	
			<i>For &gt;500, Deduct</i>	-1.46	
05 75 00 00-0043	SF		0.1382" (10 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	9.78	1.40
			<i>For &gt;16 To 200, Deduct</i>	-0.59	
			<i>For &gt;200 To 500, Deduct</i>	-1.19	
			<i>For &gt;500, Deduct</i>	-1.68	
05 75 00 00-0044			<b>Galvanized Zinc-Plated Steel Sheets, Installed On Walls</b> <small>(05 75 00 00-0001)</small>		
			Note: Includes field fabrication.		
05 75 00 00-0045	SF		0.013" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	5.11	0.73
			<i>For &gt;16 To 200, Deduct</i>	-0.33	
			<i>For &gt;200 To 500, Deduct</i>	-0.66	
			<i>For &gt;500, Deduct</i>	-0.91	
05 75 00 00-0046	SF		0.016" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	5.94	0.83
			<i>For &gt;16 To 200, Deduct</i>	-0.38	
			<i>For &gt;200 To 500, Deduct</i>	-0.76	
			<i>For &gt;500, Deduct</i>	-1.06	
05 75 00 00-0047	SF		0.019" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	6.78	0.93
			<i>For &gt;16 To 200, Deduct</i>	-0.43	
			<i>For &gt;200 To 500, Deduct</i>	-0.86	
			<i>For &gt;500, Deduct</i>	-1.20	
05 75 00 00-0048	SF		0.024" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	7.53	1.00
			<i>For &gt;16 To 200, Deduct</i>	-0.48	
			<i>For &gt;200 To 500, Deduct</i>	-0.95	
			<i>For &gt;500, Deduct</i>	-1.33	

**END OF SECTION 05**



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 06 Wood, Plastics, and Composites

### 06 01 Maintenance of Wood, Plastics, and Composites <sup>(06)</sup>

#### 06 01 20 Maintenance of Finish Carpentry <sup>(06 01)</sup>

##### 06 01 20 91 Finish Carpentry Restoration <sup>(06 01 20)</sup>

06 01 20 91-0001	Wood Trim Repair <sup>(06 01 20 91)</sup>		
06 01 20 91-0002	SF Restoration Of Existing Decorative Woodwork.....	3.24	

Note: Includes stripping to bare wood, filling or patching, stain or paint to match existing.

### 06 05 Common Work Results For Wood, Plastics, And Composites <sup>(06)</sup>

#### 06 05 23 Wood, Plastic, And Composite Fastenings <sup>(06 05)</sup>

Note: For additional fasteners above normal conditions, for replacing existing fasteners, for relocating existing materials or fixtures, or for different fasteners required due to load limits on standard fasteners.

##### 06 05 23 00-0001 Threaded Anchor Bolts <sup>(06 05 23)</sup>

Note: Threaded on two ends with two nuts and flat washers.

06 05 23 00-0002	EA 1/2" Diameter x 4" Long, Threaded Anchor Bolt.....	6.95	
	For >10 To 50, Deduct	-0.14	
	For >50 To 100, Deduct	-0.38	
	For >100 To 250, Deduct	-0.77	
	For >250 To 500, Deduct	-1.29	
	For >500, Deduct	-1.82	
06 05 23 00-0003	EA 1/2" Diameter x 7-1/2" Long, Threaded Anchor Bolt.....	10.20	
	For >10 To 50, Deduct	-0.15	
	For >50 To 100, Deduct	-0.48	
	For >100 To 250, Deduct	-0.96	
	For >250 To 500, Deduct	-1.60	
	For >500, Deduct	-2.23	
06 05 23 00-0004	EA 3/4" Diameter x 7-1/2" Long, Threaded Anchor Bolt.....	11.64	
	For >10 To 50, Deduct	-0.15	
	For >50 To 100, Deduct	-0.52	
	For >100 To 250, Deduct	-1.04	
	For >250 To 500, Deduct	-1.70	
	For >500, Deduct	-2.37	
06 05 23 00-0005	EA 3/4" Diameter x 12" Long, Threaded Anchor Bolt.....	25.48	
	For >10 To 50, Deduct	-0.21	
	For >50 To 100, Deduct	-0.95	
	For >100 To 250, Deduct	-1.89	
	For >250 To 500, Deduct	-3.05	
	For >500, Deduct	-4.20	

##### 06 05 23 00-0006 Framing Anchors <sup>(06 05 23)</sup>

06 05 23 00-0007	EA 10 Gauge Framing Anchor.....	2.64	
	For >10 To 50, Deduct	-0.11	
	For >50 To 100, Deduct	-0.23	
	For >100 To 250, Deduct	-0.47	
	For >250 To 500, Deduct	-0.82	
	For >500, Deduct	-1.16	

1.18

##### 06 05 23 00-0008 Hold Down Anchors <sup>(06 05 23)</sup>

06 05 23 00-0009	EA 8-5/8" High x 2-1/2" Wide x 2-1/4" Deep, 12 Gauge, Hold Downs, (Simpson Strong Tie® HD3B).....	21.92	
	For >10 To 50, Deduct	-0.61	
	For >50 To 100, Deduct	-1.46	
	For >100 To 250, Deduct	-2.92	
	For >250 To 500, Deduct	-4.99	
	For >500, Deduct	-7.06	
06 05 23 00-0010	EA 9-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Hold Downs, (Simpson Strong Tie® HD5B).....	36.37	
	For >10 To 50, Deduct	-0.61	
	For >50 To 100, Deduct	-1.82	
	For >100 To 250, Deduct	-3.65	
	For >250 To 500, Deduct	-6.08	
	For >500, Deduct	-8.51	
06 05 23 00-0011	EA 12-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Hold Downs, (Simpson Strong Tie® HD7B).....	41.79	
	For >10 To 50, Deduct	-0.67	
	For >50 To 100, Deduct	-2.05	
	For >100 To 250, Deduct	-4.09	
	For >250 To 500, Deduct	-6.81	
	For >500, Deduct	-9.52	
06 05 23 00-0012	EA 14" High x 2-1/2" Wide x 2-1/2" Deep, 7 Gauge, Hold Downs, (Simpson Strong Tie® HD9B).....	52.74	
	For >10 To 50, Deduct	-0.75	
	For >50 To 100, Deduct	-2.44	
	For >100 To 250, Deduct	-4.88	
	For >250 To 500, Deduct	-8.06	
	For >500, Deduct	-11.24	

**06 Wood, Plastics, and Composites****06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0013	EA		20-5/16" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Hold Downs, (Simpson Strong Tie® HD12).....	117.19	
			<i>For &gt;10 To 50, Deduct</i>	-0.94	
			<i>For &gt;50 To 100, Deduct</i>	-4.34	
			<i>For &gt;100 To 250, Deduct</i>	-8.69	
			<i>For &gt;250 To 500, Deduct</i>	-13.97	
			<i>For &gt;500, Deduct</i>	-19.26	
06 05 23 00-0014	EA		24-1/2" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Hold Downs, (Simpson Strong Tie® HD19).....	137.27	
			<i>For &gt;10 To 50, Deduct</i>	-0.98	
			<i>For &gt;50 To 100, Deduct</i>	-4.90	
			<i>For &gt;100 To 250, Deduct</i>	-9.81	
			<i>For &gt;250 To 500, Deduct</i>	-15.69	
			<i>For &gt;500, Deduct</i>	-21.58	
<b>06 05 23 00-0015</b>			<b>Joist And Beam Hangers</b> <small>(06 05 23)</small>		
06 05 23 00-0016	EA		18 Gauge Joist Hanger, For 2" x 4" Joist, Also Acceptable For Beam Hangers .....	2.65	1.10
			<i>For &gt;10 To 50, Deduct</i>	-0.11	
			<i>For &gt;50 To 100, Deduct</i>	-0.24	
			<i>For &gt;100 To 250, Deduct</i>	-0.47	
			<i>For &gt;250 To 500, Deduct</i>	-0.82	
			<i>For &gt;500, Deduct</i>	-1.17	
06 05 23 00-0017	EA		18 Gauge Joist Hanger, For 2" x 6"-2" x 10" Joist, Also Acceptable For Beam Hangers.....	3.12	1.10
			<i>For &gt;10 To 50, Deduct</i>	-0.12	
			<i>For &gt;50 To 100, Deduct</i>	-0.26	
			<i>For &gt;100 To 250, Deduct</i>	-0.51	
			<i>For &gt;250 To 500, Deduct</i>	-0.89	
			<i>For &gt;500, Deduct</i>	-1.26	
06 05 23 00-0018	EA		16 Gauge Joist Hanger, For 3" x 6"-3" x 9" Joist, Also Acceptable For Beam Hangers.....	4.24	1.10
			<i>For &gt;10 To 50, Deduct</i>	-0.12	
			<i>For &gt;50 To 100, Deduct</i>	-0.29	
			<i>For &gt;100 To 250, Deduct</i>	-0.58	
			<i>For &gt;250 To 500, Deduct</i>	-0.99	
			<i>For &gt;500, Deduct</i>	-1.40	
06 05 23 00-0019	EA		16 Gauge Joist Hanger, For 3" x 10"-3" x 14" Joist, Also Acceptable For Beam Hangers.....	4.35	1.10
			<i>For &gt;10 To 50, Deduct</i>	-0.12	
			<i>For &gt;50 To 100, Deduct</i>	-0.29	
			<i>For &gt;100 To 250, Deduct</i>	-0.59	
			<i>For &gt;250 To 500, Deduct</i>	-1.00	
			<i>For &gt;500, Deduct</i>	-1.42	
06 05 23 00-0020	EA		14 Gauge Joist Hanger, For 4" x 6"-4" x 8" Joist, Also Acceptable For Beam Hangers.....	4.36	1.13
			<i>For &gt;10 To 50, Deduct</i>	-0.13	
			<i>For &gt;50 To 100, Deduct</i>	-0.30	
			<i>For &gt;100 To 250, Deduct</i>	-0.60	
			<i>For &gt;250 To 500, Deduct</i>	-1.02	
			<i>For &gt;500, Deduct</i>	-1.45	
06 05 23 00-0021	EA		14 Gauge Joist Hanger, For 4" x 10"-4" x 14" Joist, Also Acceptable For Beam Hangers.....	4.67	1.13
			<i>For &gt;10 To 50, Deduct</i>	-0.13	
			<i>For &gt;50 To 100, Deduct</i>	-0.31	
			<i>For &gt;100 To 250, Deduct</i>	-0.61	
			<i>For &gt;250 To 500, Deduct</i>	-1.05	
			<i>For &gt;500, Deduct</i>	-1.48	
<b>06 05 23 00-0022</b>			<b>Anchor And Ties</b> <small>(06 05 23)</small>		
06 05 23 00-0023	EA		Pre-Deflected Hold Down With SDS Screws (Simpson Strong Tie® PHD5-SDS).....	31.30	
06 05 23 00-0024	EA		12-3/8" Heavy Tension Tie (Simpson Strong Tie® HTT4) .....	20.19	
06 05 23 00-0025	EA		16" Heavy Tension Tie (Simpson Strong Tie® HTT5) .....	29.98	
06 05 23 00-0026	EA		2" x 4" Or 2" x 6" Mudsill Anchor 16 Gauge Zinc Galvanized Finish (Simpson Strong Tie® MAS).....	2.21	
<b>06 05 23 00-0027</b>			<b>Hurricane Clips</b> <small>(06 05 23)</small>		
06 05 23 00-0028	EA		18 Gauge Zinc Galvanized Finish Hurricane Clips (Simpson Strong Tie® H2.5A) .....	1.41	
06 05 23 00-0029	EA		18 Gauge Stainless Steel Hurricane Clips (Simpson Strong Tie® H2.5SS) .....	4.73	
06 05 23 00-0030	EA		Hurricane Strap (Simpson Strong Tie® H6).....	6.78	
<b>06 05 23 00-0031</b>			<b>Post Framing</b> <small>(06 05 23)</small>		
06 05 23 00-0032	EA		16 Gauge Post Framing With 4" x 4" Base .....	5.94	1.38
			<i>For &gt;10 To 50, Deduct</i>	-0.15	
			<i>For &gt;50 To 100, Deduct</i>	-0.38	
			<i>For &gt;100 To 250, Deduct</i>	-0.75	
			<i>For &gt;250 To 500, Deduct</i>	-1.28	
			<i>For &gt;500, Deduct</i>	-1.80	
06 05 23 00-0033	EA		16 Gauge Post Framing With 4" x 4" Cap.....	4.79	1.38
			<i>For &gt;10 To 50, Deduct</i>	-0.15	
			<i>For &gt;50 To 100, Deduct</i>	-0.35	
			<i>For &gt;100 To 250, Deduct</i>	-0.69	
			<i>For &gt;250 To 500, Deduct</i>	-1.19	
			<i>For &gt;500, Deduct</i>	-1.69	
<b>06 05 23 00-0034</b>			<b>Rafter Anchors</b> <small>(06 05 23)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0035 EA 1-1/2" Wide x 5-1/4" Long, 18 Gauge Rafter Anchor .....	2.91	1.22
<i>For &gt;10 To 50, Deduct</i>	-0.14	
<i>For &gt;50 To 100, Deduct</i>	-0.28	
<i>For &gt;100 To 250, Deduct</i>	-0.55	
<i>For &gt;250 To 500, Deduct</i>	-0.96	
<i>For &gt;500, Deduct</i>	-1.37	
06 05 23 00-0036 EA 1-1/2" Wide x 10-3/4" Long, 18 Gauge Rafter Anchor .....	3.03	1.22
<i>For &gt;10 To 50, Deduct</i>	-0.14	
<i>For &gt;50 To 100, Deduct</i>	-0.28	
<i>For &gt;100 To 250, Deduct</i>	-0.56	
<i>For &gt;250 To 500, Deduct</i>	-0.97	
<i>For &gt;500, Deduct</i>	-1.38	
06 05 23 00-0037 EA Galvanized Rigid Rafter Connector, For 2" x 6" .....	4.62	1.22
<i>For &gt;10 To 50, Deduct</i>	-0.14	
<i>For &gt;50 To 100, Deduct</i>	-0.32	
<i>For &gt;100 To 250, Deduct</i>	-0.64	
<i>For &gt;250 To 500, Deduct</i>	-1.09	
<i>For &gt;500, Deduct</i>	-1.54	
 06 05 23 00-0038 Bolts And Fasteners <small>(06 05 23)</small>		
06 05 23 00-0039 Carriage Bolts <small>(06 05 23 00-0038)</small>		
Note: Includes drilling of holes in any material. Includes nut and washer.		
06 05 23 00-0040 Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolts <small>(06 05 23 00-0039)</small>		
06 05 23 00-0041 EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	5.39	
<i>For &gt;10 To 50, Deduct</i>	-0.26	
<i>For &gt;50 To 100, Deduct</i>	-0.52	
<i>For &gt;100 To 250, Deduct</i>	-1.03	
<i>For &gt;250 To 500, Deduct</i>	-1.81	
<i>For &gt;500, Deduct</i>	-2.58	
06 05 23 00-0042 EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	5.52	
<i>For &gt;10 To 50, Deduct</i>	-0.26	
<i>For &gt;50 To 100, Deduct</i>	-0.52	
<i>For &gt;100 To 250, Deduct</i>	-1.04	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.59	
06 05 23 00-0043 EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	5.60	
<i>For &gt;10 To 50, Deduct</i>	-0.26	
<i>For &gt;50 To 100, Deduct</i>	-0.52	
<i>For &gt;100 To 250, Deduct</i>	-1.05	
<i>For &gt;250 To 500, Deduct</i>	-1.82	
<i>For &gt;500, Deduct</i>	-2.60	
06 05 23 00-0044 EA 1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	6.62	
<i>For &gt;10 To 50, Deduct</i>	-0.29	
<i>For &gt;50 To 100, Deduct</i>	-0.61	
<i>For &gt;100 To 250, Deduct</i>	-1.21	
<i>For &gt;250 To 500, Deduct</i>	-2.12	
<i>For &gt;500, Deduct</i>	-3.02	
06 05 23 00-0045 EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	6.14	
<i>For &gt;10 To 50, Deduct</i>	-0.28	
<i>For &gt;50 To 100, Deduct</i>	-0.57	
<i>For &gt;100 To 250, Deduct</i>	-1.13	
<i>For &gt;250 To 500, Deduct</i>	-1.97	
<i>For &gt;500, Deduct</i>	-2.81	
06 05 23 00-0046 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	6.74	
<i>For &gt;10 To 50, Deduct</i>	-0.29	
<i>For &gt;50 To 100, Deduct</i>	-0.61	
<i>For &gt;100 To 250, Deduct</i>	-1.22	
<i>For &gt;250 To 500, Deduct</i>	-2.13	
<i>For &gt;500, Deduct</i>	-3.03	
06 05 23 00-0047 EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	6.94	
<i>For &gt;10 To 50, Deduct</i>	-0.29	
<i>For &gt;50 To 100, Deduct</i>	-0.62	
<i>For &gt;100 To 250, Deduct</i>	-1.23	
<i>For &gt;250 To 500, Deduct</i>	-2.14	
<i>For &gt;500, Deduct</i>	-3.05	
06 05 23 00-0048 EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	8.27	
<i>For &gt;10 To 50, Deduct</i>	-0.35	
<i>For &gt;50 To 100, Deduct</i>	-0.74	
<i>For &gt;100 To 250, Deduct</i>	-1.47	
<i>For &gt;250 To 500, Deduct</i>	-2.56	
<i>For &gt;500, Deduct</i>	-3.66	
06 05 23 00-0049 EA 3/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	9.29	
<i>For &gt;10 To 50, Deduct</i>	-0.37	
<i>For &gt;50 To 100, Deduct</i>	-0.79	
<i>For &gt;100 To 250, Deduct</i>	-1.59	
<i>For &gt;250 To 500, Deduct</i>	-2.75	
<i>For &gt;500, Deduct</i>	-3.92	
06 05 23 00-0050 EA 3/8" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	10.67	
<i>For &gt;10 To 50, Deduct</i>	-0.41	
<i>For &gt;50 To 100, Deduct</i>	-0.88	
<i>For &gt;100 To 250, Deduct</i>	-1.77	
<i>For &gt;250 To 500, Deduct</i>	-3.07	
<i>For &gt;500, Deduct</i>	-4.36	



**06 Wood, Plastics, and Composites****06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0051	EA		1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	7.17	
			<i>For &gt;10 To 50, Deduct</i>	-0.29	
			<i>For &gt;50 To 100, Deduct</i>	-0.62	
			<i>For &gt;100 To 250, Deduct</i>	-1.24	
			<i>For &gt;250 To 500, Deduct</i>	-2.16	
			<i>For &gt;500, Deduct</i>	-3.07	
06 05 23 00-0052	EA		1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	8.10	
			<i>For &gt;10 To 50, Deduct</i>	-0.31	
			<i>For &gt;50 To 100, Deduct</i>	-0.67	
			<i>For &gt;100 To 250, Deduct</i>	-1.35	
			<i>For &gt;250 To 500, Deduct</i>	-2.33	
			<i>For &gt;500, Deduct</i>	-3.32	
06 05 23 00-0053	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	8.66	
			<i>For &gt;10 To 50, Deduct</i>	-0.33	
			<i>For &gt;50 To 100, Deduct</i>	-0.72	
			<i>For &gt;100 To 250, Deduct</i>	-1.43	
			<i>For &gt;250 To 500, Deduct</i>	-2.48	
			<i>For &gt;500, Deduct</i>	-3.53	
06 05 23 00-0054	EA		1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	9.75	
			<i>For &gt;10 To 50, Deduct</i>	-0.37	
			<i>For &gt;50 To 100, Deduct</i>	-0.80	
			<i>For &gt;100 To 250, Deduct</i>	-1.61	
			<i>For &gt;250 To 500, Deduct</i>	-2.79	
			<i>For &gt;500, Deduct</i>	-3.96	
06 05 23 00-0055	EA		1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	11.64	
			<i>For &gt;10 To 50, Deduct</i>	-0.43	
			<i>For &gt;50 To 100, Deduct</i>	-0.94	
			<i>For &gt;100 To 250, Deduct</i>	-1.88	
			<i>For &gt;250 To 500, Deduct</i>	-3.25	
			<i>For &gt;500, Deduct</i>	-4.62	
06 05 23 00-0056	EA		1/2" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	13.39	
			<i>For &gt;10 To 50, Deduct</i>	-0.47	
			<i>For &gt;50 To 100, Deduct</i>	-1.04	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-3.59	
			<i>For &gt;500, Deduct</i>	-5.11	
06 05 23 00-0057	EA		3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	11.16	
			<i>For &gt;10 To 50, Deduct</i>	-0.35	
			<i>For &gt;50 To 100, Deduct</i>	-0.81	
			<i>For &gt;100 To 250, Deduct</i>	-1.62	
			<i>For &gt;250 To 500, Deduct</i>	-2.78	
			<i>For &gt;500, Deduct</i>	-3.94	
06 05 23 00-0058	EA		3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	12.39	
			<i>For &gt;10 To 50, Deduct</i>	-0.37	
			<i>For &gt;50 To 100, Deduct</i>	-0.87	
			<i>For &gt;100 To 250, Deduct</i>	-1.74	
			<i>For &gt;250 To 500, Deduct</i>	-2.98	
			<i>For &gt;500, Deduct</i>	-4.23	
06 05 23 00-0059	EA		3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	15.25	
			<i>For &gt;10 To 50, Deduct</i>	-0.43	
			<i>For &gt;50 To 100, Deduct</i>	-1.03	
			<i>For &gt;100 To 250, Deduct</i>	-2.06	
			<i>For &gt;250 To 500, Deduct</i>	-3.52	
			<i>For &gt;500, Deduct</i>	-4.98	
06 05 23 00-0060	EA		3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	18.09	
			<i>For &gt;10 To 50, Deduct</i>	-0.45	
			<i>For &gt;50 To 100, Deduct</i>	-1.13	
			<i>For &gt;100 To 250, Deduct</i>	-2.26	
			<i>For &gt;250 To 500, Deduct</i>	-3.84	
			<i>For &gt;500, Deduct</i>	-5.43	
06 05 23 00-0061	EA		3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	19.62	
			<i>For &gt;10 To 50, Deduct</i>	-0.49	
			<i>For &gt;50 To 100, Deduct</i>	-1.23	
			<i>For &gt;100 To 250, Deduct</i>	-2.45	
			<i>For &gt;250 To 500, Deduct</i>	-4.17	
			<i>For &gt;500, Deduct</i>	-5.89	
06 05 23 00-0062	EA		3/4" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	19.73	
			<i>For &gt;10 To 50, Deduct</i>	-0.51	
			<i>For &gt;50 To 100, Deduct</i>	-1.26	
			<i>For &gt;100 To 250, Deduct</i>	-2.52	
			<i>For &gt;250 To 500, Deduct</i>	-4.29	
			<i>For &gt;500, Deduct</i>	-6.06	
06 05 23 00-0063			<b>Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolts</b> (06 05 23 00-0039)		
06 05 23 00-0064	EA		1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	5.62	
			<i>For &gt;10 To 50, Deduct</i>	-0.26	
			<i>For &gt;50 To 100, Deduct</i>	-0.52	
			<i>For &gt;100 To 250, Deduct</i>	-1.05	
			<i>For &gt;250 To 500, Deduct</i>	-1.82	
			<i>For &gt;500, Deduct</i>	-2.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0065 EA 1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	5.86	
<i>For &gt;10 To 50, Deduct</i>	-0.26	
<i>For &gt;50 To 100, Deduct</i>	-0.53	
<i>For &gt;100 To 250, Deduct</i>	-1.06	
<i>For &gt;250 To 500, Deduct</i>	-1.84	
<i>For &gt;500, Deduct</i>	-2.63	
06 05 23 00-0066 EA 1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	6.13	
<i>For &gt;10 To 50, Deduct</i>	-0.26	
<i>For &gt;50 To 100, Deduct</i>	-0.54	
<i>For &gt;100 To 250, Deduct</i>	-1.07	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.65	
06 05 23 00-0067 EA 1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	7.52	
<i>For &gt;10 To 50, Deduct</i>	-0.29	
<i>For &gt;50 To 100, Deduct</i>	-0.63	
<i>For &gt;100 To 250, Deduct</i>	-1.26	
<i>For &gt;250 To 500, Deduct</i>	-2.18	
<i>For &gt;500, Deduct</i>	-3.11	
06 05 23 00-0068 EA 3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	6.46	
<i>For &gt;10 To 50, Deduct</i>	-0.28	
<i>For &gt;50 To 100, Deduct</i>	-0.57	
<i>For &gt;100 To 250, Deduct</i>	-1.15	
<i>For &gt;250 To 500, Deduct</i>	-2.00	
<i>For &gt;500, Deduct</i>	-2.85	
06 05 23 00-0069 EA 3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	7.24	
<i>For &gt;10 To 50, Deduct</i>	-0.29	
<i>For &gt;50 To 100, Deduct</i>	-0.62	
<i>For &gt;100 To 250, Deduct</i>	-1.25	
<i>For &gt;250 To 500, Deduct</i>	-2.16	
<i>For &gt;500, Deduct</i>	-3.08	
06 05 23 00-0070 EA 3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	7.53	
<i>For &gt;10 To 50, Deduct</i>	-0.29	
<i>For &gt;50 To 100, Deduct</i>	-0.63	
<i>For &gt;100 To 250, Deduct</i>	-1.26	
<i>For &gt;250 To 500, Deduct</i>	-2.18	
<i>For &gt;500, Deduct</i>	-3.11	
06 05 23 00-0071 EA 3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	9.17	
<i>For &gt;10 To 50, Deduct</i>	-0.35	
<i>For &gt;50 To 100, Deduct</i>	-0.76	
<i>For &gt;100 To 250, Deduct</i>	-1.52	
<i>For &gt;250 To 500, Deduct</i>	-2.63	
<i>For &gt;500, Deduct</i>	-3.75	
06 05 23 00-0072 EA 3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	10.29	
<i>For &gt;10 To 50, Deduct</i>	-0.37	
<i>For &gt;50 To 100, Deduct</i>	-0.82	
<i>For &gt;100 To 250, Deduct</i>	-1.64	
<i>For &gt;250 To 500, Deduct</i>	-2.83	
<i>For &gt;500, Deduct</i>	-4.02	
06 05 23 00-0073 EA 3/8" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	11.61	
<i>For &gt;10 To 50, Deduct</i>	-0.41	
<i>For &gt;50 To 100, Deduct</i>	-0.91	
<i>For &gt;100 To 250, Deduct</i>	-1.82	
<i>For &gt;250 To 500, Deduct</i>	-3.14	
<i>For &gt;500, Deduct</i>	-4.46	
06 05 23 00-0074 EA 1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	7.92	
<i>For &gt;10 To 50, Deduct</i>	-0.29	
<i>For &gt;50 To 100, Deduct</i>	-0.64	
<i>For &gt;100 To 250, Deduct</i>	-1.28	
<i>For &gt;250 To 500, Deduct</i>	-2.21	
<i>For &gt;500, Deduct</i>	-3.15	
06 05 23 00-0075 EA 1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	8.69	
<i>For &gt;10 To 50, Deduct</i>	-0.31	
<i>For &gt;50 To 100, Deduct</i>	-0.69	
<i>For &gt;100 To 250, Deduct</i>	-1.38	
<i>For &gt;250 To 500, Deduct</i>	-2.38	
<i>For &gt;500, Deduct</i>	-3.38	
06 05 23 00-0076 EA 1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	9.36	
<i>For &gt;10 To 50, Deduct</i>	-0.33	
<i>For &gt;50 To 100, Deduct</i>	-0.73	
<i>For &gt;100 To 250, Deduct</i>	-1.47	
<i>For &gt;250 To 500, Deduct</i>	-2.54	
<i>For &gt;500, Deduct</i>	-3.60	
06 05 23 00-0077 EA 1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	10.77	
<i>For &gt;10 To 50, Deduct</i>	-0.37	
<i>For &gt;50 To 100, Deduct</i>	-0.83	
<i>For &gt;100 To 250, Deduct</i>	-1.66	
<i>For &gt;250 To 500, Deduct</i>	-2.86	
<i>For &gt;500, Deduct</i>	-4.07	
06 05 23 00-0078 EA 1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	12.63	
<i>For &gt;10 To 50, Deduct</i>	-0.43	
<i>For &gt;50 To 100, Deduct</i>	-0.96	
<i>For &gt;100 To 250, Deduct</i>	-1.93	
<i>For &gt;250 To 500, Deduct</i>	-3.32	
<i>For &gt;500, Deduct</i>	-4.72	

**06 Wood, Plastics, and Composites****06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0079	EA		1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	14.15	
			<i>For &gt;10 To 50, Deduct</i>	-0.47	
			<i>For &gt;50 To 100, Deduct</i>	-1.06	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-3.65	
			<i>For &gt;500, Deduct</i>	-5.18	
06 05 23 00-0080	EA		3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	13.42	
			<i>For &gt;10 To 50, Deduct</i>	-0.35	
			<i>For &gt;50 To 100, Deduct</i>	-0.87	
			<i>For &gt;100 To 250, Deduct</i>	-1.73	
			<i>For &gt;250 To 500, Deduct</i>	-2.95	
			<i>For &gt;500, Deduct</i>	-4.17	
06 05 23 00-0081	EA		3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	13.96	
			<i>For &gt;10 To 50, Deduct</i>	-0.37	
			<i>For &gt;50 To 100, Deduct</i>	-0.91	
			<i>For &gt;100 To 250, Deduct</i>	-1.82	
			<i>For &gt;250 To 500, Deduct</i>	-3.10	
			<i>For &gt;500, Deduct</i>	-4.38	
06 05 23 00-0082	EA		3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	16.37	
			<i>For &gt;10 To 50, Deduct</i>	-0.43	
			<i>For &gt;50 To 100, Deduct</i>	-1.06	
			<i>For &gt;100 To 250, Deduct</i>	-2.11	
			<i>For &gt;250 To 500, Deduct</i>	-3.60	
			<i>For &gt;500, Deduct</i>	-5.09	
06 05 23 00-0083	EA		3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	18.00	
			<i>For &gt;10 To 50, Deduct</i>	-0.45	
			<i>For &gt;50 To 100, Deduct</i>	-1.13	
			<i>For &gt;100 To 250, Deduct</i>	-2.26	
			<i>For &gt;250 To 500, Deduct</i>	-3.84	
			<i>For &gt;500, Deduct</i>	-5.42	
06 05 23 00-0084	EA		3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	21.07	
			<i>For &gt;10 To 50, Deduct</i>	-0.49	
			<i>For &gt;50 To 100, Deduct</i>	-1.26	
			<i>For &gt;100 To 250, Deduct</i>	-2.53	
			<i>For &gt;250 To 500, Deduct</i>	-4.28	
			<i>For &gt;500, Deduct</i>	-6.03	
06 05 23 00-0085	EA		3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	22.77	
			<i>For &gt;10 To 50, Deduct</i>	-0.51	
			<i>For &gt;50 To 100, Deduct</i>	-1.34	
			<i>For &gt;100 To 250, Deduct</i>	-2.67	
			<i>For &gt;250 To 500, Deduct</i>	-4.52	
			<i>For &gt;500, Deduct</i>	-6.36	
<b>06 05 23 00-0086</b>			<b>304/18-8 Stainless Steel, Carriage Bolts</b> <small>(06 05 23 00-0039)</small> .....	6.11	
06 05 23 00-0087	EA		1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	6.11	
			<i>For &gt;10 To 50, Deduct</i>	-0.26	
			<i>For &gt;50 To 100, Deduct</i>	-0.54	
			<i>For &gt;100 To 250, Deduct</i>	-1.07	
			<i>For &gt;250 To 500, Deduct</i>	-1.86	
			<i>For &gt;500, Deduct</i>	-2.65	
06 05 23 00-0088	EA		1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	7.20	
			<i>For &gt;10 To 50, Deduct</i>	-0.26	
			<i>For &gt;50 To 100, Deduct</i>	-0.56	
			<i>For &gt;100 To 250, Deduct</i>	-1.13	
			<i>For &gt;250 To 500, Deduct</i>	-1.94	
			<i>For &gt;500, Deduct</i>	-2.76	
06 05 23 00-0089	EA		1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	7.92	
			<i>For &gt;10 To 50, Deduct</i>	-0.26	
			<i>For &gt;50 To 100, Deduct</i>	-0.58	
			<i>For &gt;100 To 250, Deduct</i>	-1.16	
			<i>For &gt;250 To 500, Deduct</i>	-2.00	
			<i>For &gt;500, Deduct</i>	-2.83	
06 05 23 00-0090	EA		1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	16.47	
			<i>For &gt;10 To 50, Deduct</i>	-0.29	
			<i>For &gt;50 To 100, Deduct</i>	-0.85	
			<i>For &gt;100 To 250, Deduct</i>	-1.71	
			<i>For &gt;250 To 500, Deduct</i>	-2.86	
			<i>For &gt;500, Deduct</i>	-4.00	
06 05 23 00-0091	EA		3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	7.52	
			<i>For &gt;10 To 50, Deduct</i>	-0.28	
			<i>For &gt;50 To 100, Deduct</i>	-0.60	
			<i>For &gt;100 To 250, Deduct</i>	-1.20	
			<i>For &gt;250 To 500, Deduct</i>	-2.08	
			<i>For &gt;500, Deduct</i>	-2.95	
06 05 23 00-0092	EA		3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	9.51	
			<i>For &gt;10 To 50, Deduct</i>	-0.29	
			<i>For &gt;50 To 100, Deduct</i>	-0.68	
			<i>For &gt;100 To 250, Deduct</i>	-1.36	
			<i>For &gt;250 To 500, Deduct</i>	-2.33	
			<i>For &gt;500, Deduct</i>	-3.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0093 EA 3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	9.86	
<i>For &gt;10 To 50, Deduct</i>	-0.29	
<i>For &gt;50 To 100, Deduct</i>	-0.69	
<i>For &gt;100 To 250, Deduct</i>	-1.38	
<i>For &gt;250 To 500, Deduct</i>	-2.36	
<i>For &gt;500, Deduct</i>	-3.34	
06 05 23 00-0094 EA 3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	22.51	
<i>For &gt;10 To 50, Deduct</i>	-0.35	
<i>For &gt;50 To 100, Deduct</i>	-1.09	
<i>For &gt;100 To 250, Deduct</i>	-2.19	
<i>For &gt;250 To 500, Deduct</i>	-3.63	
<i>For &gt;500, Deduct</i>	-5.08	
06 05 23 00-0095 EA 3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	28.64	
<i>For &gt;10 To 50, Deduct</i>	-0.37	
<i>For &gt;50 To 100, Deduct</i>	-1.28	
<i>For &gt;100 To 250, Deduct</i>	-2.55	
<i>For &gt;250 To 500, Deduct</i>	-4.20	
<i>For &gt;500, Deduct</i>	-5.85	
06 05 23 00-0096 EA 3/8" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	32.20	
<i>For &gt;10 To 50, Deduct</i>	-0.41	
<i>For &gt;50 To 100, Deduct</i>	-1.42	
<i>For &gt;100 To 250, Deduct</i>	-2.85	
<i>For &gt;250 To 500, Deduct</i>	-4.68	
<i>For &gt;500, Deduct</i>	-6.52	
06 05 23 00-0097 EA 1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	10.79	
<i>For &gt;10 To 50, Deduct</i>	-0.29	
<i>For &gt;50 To 100, Deduct</i>	-0.71	
<i>For &gt;100 To 250, Deduct</i>	-1.42	
<i>For &gt;250 To 500, Deduct</i>	-2.43	
<i>For &gt;500, Deduct</i>	-3.44	
06 05 23 00-0098 EA 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	12.72	
<i>For &gt;10 To 50, Deduct</i>	-0.31	
<i>For &gt;50 To 100, Deduct</i>	-0.79	
<i>For &gt;100 To 250, Deduct</i>	-1.58	
<i>For &gt;250 To 500, Deduct</i>	-2.68	
<i>For &gt;500, Deduct</i>	-3.78	
06 05 23 00-0099 EA 1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	16.45	
<i>For &gt;10 To 50, Deduct</i>	-0.33	
<i>For &gt;50 To 100, Deduct</i>	-0.91	
<i>For &gt;100 To 250, Deduct</i>	-1.82	
<i>For &gt;250 To 500, Deduct</i>	-3.07	
<i>For &gt;500, Deduct</i>	-4.31	
06 05 23 00-0100 EA 1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	29.65	
<i>For &gt;10 To 50, Deduct</i>	-0.37	
<i>For &gt;50 To 100, Deduct</i>	-1.30	
<i>For &gt;100 To 250, Deduct</i>	-2.60	
<i>For &gt;250 To 500, Deduct</i>	-4.28	
<i>For &gt;500, Deduct</i>	-5.95	
06 05 23 00-0101 EA 1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	33.25	
<i>For &gt;10 To 50, Deduct</i>	-0.43	
<i>For &gt;50 To 100, Deduct</i>	-1.48	
<i>For &gt;100 To 250, Deduct</i>	-2.96	
<i>For &gt;250 To 500, Deduct</i>	-4.87	
<i>For &gt;500, Deduct</i>	-6.78	
06 05 23 00-0102 EA 1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	56.78	
<i>For &gt;10 To 50, Deduct</i>	-0.47	
<i>For &gt;50 To 100, Deduct</i>	-2.13	
<i>For &gt;100 To 250, Deduct</i>	-4.25	
<i>For &gt;250 To 500, Deduct</i>	-6.85	
<i>For &gt;500, Deduct</i>	-9.45	
06 05 23 00-0103 EA 3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	43.95	
<i>For &gt;10 To 50, Deduct</i>	-0.37	
<i>For &gt;50 To 100, Deduct</i>	-1.66	
<i>For &gt;100 To 250, Deduct</i>	-3.32	
<i>For &gt;250 To 500, Deduct</i>	-5.35	
<i>For &gt;500, Deduct</i>	-7.38	
06 05 23 00-0104 EA 3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	64.35	
<i>For &gt;10 To 50, Deduct</i>	-0.43	
<i>For &gt;50 To 100, Deduct</i>	-2.26	
<i>For &gt;100 To 250, Deduct</i>	-4.51	
<i>For &gt;250 To 500, Deduct</i>	-7.20	
<i>For &gt;500, Deduct</i>	-9.89	
06 05 23 00-0105 EA 3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	71.91	
<i>For &gt;10 To 50, Deduct</i>	-0.45	
<i>For &gt;50 To 100, Deduct</i>	-2.48	
<i>For &gt;100 To 250, Deduct</i>	-4.95	
<i>For &gt;250 To 500, Deduct</i>	-7.88	
<i>For &gt;500, Deduct</i>	-10.81	
06 05 23 00-0106 EA 3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	110.01	
<i>For &gt;10 To 50, Deduct</i>	-0.49	
<i>For &gt;50 To 100, Deduct</i>	-3.49	
<i>For &gt;100 To 250, Deduct</i>	-6.97	
<i>For &gt;250 To 500, Deduct</i>	-10.95	
<i>For &gt;500, Deduct</i>	-14.93	

**06 Wood, Plastics, and Composites****06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0107	EA		3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	115.85	
			<i>For &gt;10 To 50, Deduct</i>	-0.51	
			<i>For &gt;50 To 100, Deduct</i>	-3.66	
			<i>For &gt;100 To 250, Deduct</i>	-7.32	
			<i>For &gt;250 To 500, Deduct</i>	-11.50	
			<i>For &gt;500, Deduct</i>	-15.67	
<b>06 05 23 00-0108</b>			<b>316 Stainless Steel, Carriage Bolts</b> <small>(06 05 23 00-0039)</small>		
06 05 23 00-0109	EA		1/4" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	11.19	
			<i>For &gt;10 To 50, Deduct</i>	-0.26	
			<i>For &gt;50 To 100, Deduct</i>	-0.66	
			<i>For &gt;100 To 250, Deduct</i>	-1.32	
			<i>For &gt;250 To 500, Deduct</i>	-2.24	
			<i>For &gt;500, Deduct</i>	-3.16	
06 05 23 00-0110	EA		1/4" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	13.12	
			<i>For &gt;10 To 50, Deduct</i>	-0.26	
			<i>For &gt;50 To 100, Deduct</i>	-0.71	
			<i>For &gt;100 To 250, Deduct</i>	-1.42	
			<i>For &gt;250 To 500, Deduct</i>	-2.39	
			<i>For &gt;500, Deduct</i>	-3.35	
06 05 23 00-0111	EA		3/8" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	14.18	
			<i>For &gt;10 To 50, Deduct</i>	-0.28	
			<i>For &gt;50 To 100, Deduct</i>	-0.77	
			<i>For &gt;100 To 250, Deduct</i>	-1.53	
			<i>For &gt;250 To 500, Deduct</i>	-2.58	
			<i>For &gt;500, Deduct</i>	-3.62	
06 05 23 00-0112	EA		3/8" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	17.25	
			<i>For &gt;10 To 50, Deduct</i>	-0.29	
			<i>For &gt;50 To 100, Deduct</i>	-0.87	
			<i>For &gt;100 To 250, Deduct</i>	-1.75	
			<i>For &gt;250 To 500, Deduct</i>	-2.91	
			<i>For &gt;500, Deduct</i>	-4.08	
06 05 23 00-0113	EA		1/2" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	25.84	
			<i>For &gt;10 To 50, Deduct</i>	-0.29	
			<i>For &gt;50 To 100, Deduct</i>	-1.09	
			<i>For &gt;100 To 250, Deduct</i>	-2.18	
			<i>For &gt;250 To 500, Deduct</i>	-3.56	
			<i>For &gt;500, Deduct</i>	-4.94	
06 05 23 00-0114	EA		1/2" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	28.31	
			<i>For &gt;10 To 50, Deduct</i>	-0.31	
			<i>For &gt;50 To 100, Deduct</i>	-1.18	
			<i>For &gt;100 To 250, Deduct</i>	-2.36	
			<i>For &gt;250 To 500, Deduct</i>	-3.85	
			<i>For &gt;500, Deduct</i>	-5.34	
06 05 23 00-0115	EA		1/2" Diameter x 6" Length, 316 Stainless Steel, Carriage Bolt.....	30.62	
			<i>For &gt;10 To 50, Deduct</i>	-0.33	
			<i>For &gt;50 To 100, Deduct</i>	-1.27	
			<i>For &gt;100 To 250, Deduct</i>	-2.53	
			<i>For &gt;250 To 500, Deduct</i>	-4.13	
			<i>For &gt;500, Deduct</i>	-5.73	
<b>06 05 23 00-0116</b>			<b>Hex Lag Bolts</b> <small>(06 05 23 00-0038)</small>		
			Note: Includes drilling of holes in any material		
<b>06 05 23 00-0117</b>			<b>Zinc Plated Steel, Hex Lag Bolts</b> <small>(06 05 23 00-0116)</small>		
06 05 23 00-0118	EA		1/4" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	5.09	
			<i>For &gt;10 To 50, Deduct</i>	-0.25	
			<i>For &gt;50 To 100, Deduct</i>	-0.50	
			<i>For &gt;100 To 250, Deduct</i>	-0.99	
			<i>For &gt;250 To 500, Deduct</i>	-1.73	
			<i>For &gt;500, Deduct</i>	-2.47	
06 05 23 00-0119	EA		1/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	5.20	
			<i>For &gt;10 To 50, Deduct</i>	-0.25	
			<i>For &gt;50 To 100, Deduct</i>	-0.50	
			<i>For &gt;100 To 250, Deduct</i>	-1.00	
			<i>For &gt;250 To 500, Deduct</i>	-1.74	
			<i>For &gt;500, Deduct</i>	-2.48	
06 05 23 00-0120	EA		1/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	5.43	
			<i>For &gt;10 To 50, Deduct</i>	-0.25	
			<i>For &gt;50 To 100, Deduct</i>	-0.50	
			<i>For &gt;100 To 250, Deduct</i>	-1.01	
			<i>For &gt;250 To 500, Deduct</i>	-1.76	
			<i>For &gt;500, Deduct</i>	-2.51	
06 05 23 00-0121	EA		3/8" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	5.69	
			<i>For &gt;10 To 50, Deduct</i>	-0.27	
			<i>For &gt;50 To 100, Deduct</i>	-0.54	
			<i>For &gt;100 To 250, Deduct</i>	-1.09	
			<i>For &gt;250 To 500, Deduct</i>	-1.90	
			<i>For &gt;500, Deduct</i>	-2.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0122 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	6.29	
<i>For &gt;10 To 50, Deduct</i>	-0.29	
<i>For &gt;50 To 100, Deduct</i>	-0.59	
<i>For &gt;100 To 250, Deduct</i>	-1.17	
<i>For &gt;250 To 500, Deduct</i>	-2.05	
<i>For &gt;500, Deduct</i>	-2.92	
06 05 23 00-0123 EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	6.54	
<i>For &gt;10 To 50, Deduct</i>	-0.29	
<i>For &gt;50 To 100, Deduct</i>	-0.59	
<i>For &gt;100 To 250, Deduct</i>	-1.19	
<i>For &gt;250 To 500, Deduct</i>	-2.07	
<i>For &gt;500, Deduct</i>	-2.95	
06 05 23 00-0124 EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	8.20	
<i>For &gt;10 To 50, Deduct</i>	-0.34	
<i>For &gt;50 To 100, Deduct</i>	-0.72	
<i>For &gt;100 To 250, Deduct</i>	-1.44	
<i>For &gt;250 To 500, Deduct</i>	-2.51	
<i>For &gt;500, Deduct</i>	-3.57	
06 05 23 00-0125 EA 3/8" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	8.72	
<i>For &gt;10 To 50, Deduct</i>	-0.36	
<i>For &gt;50 To 100, Deduct</i>	-0.76	
<i>For &gt;100 To 250, Deduct</i>	-1.53	
<i>For &gt;250 To 500, Deduct</i>	-2.65	
<i>For &gt;500, Deduct</i>	-3.78	
06 05 23 00-0126 EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	6.49	
<i>For &gt;10 To 50, Deduct</i>	-0.29	
<i>For &gt;50 To 100, Deduct</i>	-0.60	
<i>For &gt;100 To 250, Deduct</i>	-1.19	
<i>For &gt;250 To 500, Deduct</i>	-2.07	
<i>For &gt;500, Deduct</i>	-2.96	
06 05 23 00-0127 EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	7.24	
<i>For &gt;10 To 50, Deduct</i>	-0.31	
<i>For &gt;50 To 100, Deduct</i>	-0.64	
<i>For &gt;100 To 250, Deduct</i>	-1.29	
<i>For &gt;250 To 500, Deduct</i>	-2.24	
<i>For &gt;500, Deduct</i>	-3.19	
06 05 23 00-0128 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	8.08	
<i>For &gt;10 To 50, Deduct</i>	-0.33	
<i>For &gt;50 To 100, Deduct</i>	-0.69	
<i>For &gt;100 To 250, Deduct</i>	-1.39	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-3.42	
06 05 23 00-0129 EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	9.39	
<i>For &gt;10 To 50, Deduct</i>	-0.37	
<i>For &gt;50 To 100, Deduct</i>	-0.78	
<i>For &gt;100 To 250, Deduct</i>	-1.57	
<i>For &gt;250 To 500, Deduct</i>	-2.71	
<i>For &gt;500, Deduct</i>	-3.86	
06 05 23 00-0130 EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	11.26	
<i>For &gt;10 To 50, Deduct</i>	-0.42	
<i>For &gt;50 To 100, Deduct</i>	-0.92	
<i>For &gt;100 To 250, Deduct</i>	-1.83	
<i>For &gt;250 To 500, Deduct</i>	-3.17	
<i>For &gt;500, Deduct</i>	-4.51	
06 05 23 00-0131 EA 1/2" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt.....	12.30	
<i>For &gt;10 To 50, Deduct</i>	-0.46	
<i>For &gt;50 To 100, Deduct</i>	-1.00	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-3.46	
<i>For &gt;500, Deduct</i>	-4.93	
06 05 23 00-0132 EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	10.90	
<i>For &gt;10 To 50, Deduct</i>	-0.37	
<i>For &gt;50 To 100, Deduct</i>	-0.82	
<i>For &gt;100 To 250, Deduct</i>	-1.64	
<i>For &gt;250 To 500, Deduct</i>	-2.83	
<i>For &gt;500, Deduct</i>	-4.01	
06 05 23 00-0133 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	13.36	
<i>For &gt;10 To 50, Deduct</i>	-0.42	
<i>For &gt;50 To 100, Deduct</i>	-0.97	
<i>For &gt;100 To 250, Deduct</i>	-1.94	
<i>For &gt;250 To 500, Deduct</i>	-3.33	
<i>For &gt;500, Deduct</i>	-4.72	
06 05 23 00-0134 EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	15.46	
<i>For &gt;10 To 50, Deduct</i>	-0.44	
<i>For &gt;50 To 100, Deduct</i>	-1.05	
<i>For &gt;100 To 250, Deduct</i>	-2.10	
<i>For &gt;250 To 500, Deduct</i>	-3.59	
<i>For &gt;500, Deduct</i>	-5.09	
06 05 23 00-0135 EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	17.81	
<i>For &gt;10 To 50, Deduct</i>	-0.48	
<i>For &gt;50 To 100, Deduct</i>	-1.17	
<i>For &gt;100 To 250, Deduct</i>	-2.33	
<i>For &gt;250 To 500, Deduct</i>	-3.98	
<i>For &gt;500, Deduct</i>	-5.63	

**06 Wood, Plastics, and Composites****06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0136	EA		3/4" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt.....	20.97	
			<i>For &gt;10 To 50, Deduct</i>	-0.50	
			<i>For &gt;50 To 100, Deduct</i>	-1.28	
			<i>For &gt;100 To 250, Deduct</i>	-2.55	
			<i>For &gt;250 To 500, Deduct</i>	-4.33	
			<i>For &gt;500, Deduct</i>	-6.10	
<b>06 05 23 00-0137</b>			<b>Hot Dipped Galvanized Steel, Hex Lag Bolts</b> <small>(06 05 23 00-0116)</small>		
06 05 23 00-0138	EA		1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	5.14	
			<i>For &gt;10 To 50, Deduct</i>	-0.25	
			<i>For &gt;50 To 100, Deduct</i>	-0.50	
			<i>For &gt;100 To 250, Deduct</i>	-0.99	
			<i>For &gt;250 To 500, Deduct</i>	-1.74	
			<i>For &gt;500, Deduct</i>	-2.48	
06 05 23 00-0139	EA		1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	5.31	
			<i>For &gt;10 To 50, Deduct</i>	-0.25	
			<i>For &gt;50 To 100, Deduct</i>	-0.50	
			<i>For &gt;100 To 250, Deduct</i>	-1.00	
			<i>For &gt;250 To 500, Deduct</i>	-1.75	
			<i>For &gt;500, Deduct</i>	-2.50	
06 05 23 00-0140	EA		1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	5.49	
			<i>For &gt;10 To 50, Deduct</i>	-0.25	
			<i>For &gt;50 To 100, Deduct</i>	-0.51	
			<i>For &gt;100 To 250, Deduct</i>	-1.01	
			<i>For &gt;250 To 500, Deduct</i>	-1.76	
			<i>For &gt;500, Deduct</i>	-2.51	
06 05 23 00-0141	EA		3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	5.79	
			<i>For &gt;10 To 50, Deduct</i>	-0.27	
			<i>For &gt;50 To 100, Deduct</i>	-0.55	
			<i>For &gt;100 To 250, Deduct</i>	-1.09	
			<i>For &gt;250 To 500, Deduct</i>	-1.91	
			<i>For &gt;500, Deduct</i>	-2.72	
06 05 23 00-0142	EA		3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	6.44	
			<i>For &gt;10 To 50, Deduct</i>	-0.29	
			<i>For &gt;50 To 100, Deduct</i>	-0.59	
			<i>For &gt;100 To 250, Deduct</i>	-1.18	
			<i>For &gt;250 To 500, Deduct</i>	-2.06	
			<i>For &gt;500, Deduct</i>	-2.94	
06 05 23 00-0143	EA		3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	6.72	
			<i>For &gt;10 To 50, Deduct</i>	-0.29	
			<i>For &gt;50 To 100, Deduct</i>	-0.60	
			<i>For &gt;100 To 250, Deduct</i>	-1.20	
			<i>For &gt;250 To 500, Deduct</i>	-2.08	
			<i>For &gt;500, Deduct</i>	-2.96	
06 05 23 00-0144	EA		3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	8.53	
			<i>For &gt;10 To 50, Deduct</i>	-0.34	
			<i>For &gt;50 To 100, Deduct</i>	-0.73	
			<i>For &gt;100 To 250, Deduct</i>	-1.46	
			<i>For &gt;250 To 500, Deduct</i>	-2.53	
			<i>For &gt;500, Deduct</i>	-3.61	
06 05 23 00-0145	EA		3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	9.29	
			<i>For &gt;10 To 50, Deduct</i>	-0.36	
			<i>For &gt;50 To 100, Deduct</i>	-0.78	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 500, Deduct</i>	-2.69	
			<i>For &gt;500, Deduct</i>	-3.83	
06 05 23 00-0146	EA		1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	6.74	
			<i>For &gt;10 To 50, Deduct</i>	-0.29	
			<i>For &gt;50 To 100, Deduct</i>	-0.60	
			<i>For &gt;100 To 250, Deduct</i>	-1.20	
			<i>For &gt;250 To 500, Deduct</i>	-2.09	
			<i>For &gt;500, Deduct</i>	-2.98	
06 05 23 00-0147	EA		1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	7.38	
			<i>For &gt;10 To 50, Deduct</i>	-0.31	
			<i>For &gt;50 To 100, Deduct</i>	-0.65	
			<i>For &gt;100 To 250, Deduct</i>	-1.29	
			<i>For &gt;250 To 500, Deduct</i>	-2.25	
			<i>For &gt;500, Deduct</i>	-3.20	
06 05 23 00-0148	EA		1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	8.33	
			<i>For &gt;10 To 50, Deduct</i>	-0.33	
			<i>For &gt;50 To 100, Deduct</i>	-0.70	
			<i>For &gt;100 To 250, Deduct</i>	-1.40	
			<i>For &gt;250 To 500, Deduct</i>	-2.42	
			<i>For &gt;500, Deduct</i>	-3.45	
06 05 23 00-0149	EA		1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	10.15	
			<i>For &gt;10 To 50, Deduct</i>	-0.37	
			<i>For &gt;50 To 100, Deduct</i>	-0.80	
			<i>For &gt;100 To 250, Deduct</i>	-1.60	
			<i>For &gt;250 To 500, Deduct</i>	-2.77	
			<i>For &gt;500, Deduct</i>	-3.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0150 EA 1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	11.64	
<i>For &gt;10 To 50, Deduct</i>	-0.42	
<i>For &gt;50 To 100, Deduct</i>	-0.93	
<i>For &gt;100 To 250, Deduct</i>	-1.85	
<i>For &gt;250 To 500, Deduct</i>	-3.20	
<i>For &gt;500, Deduct</i>	-4.55	
06 05 23 00-0151 EA 1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	13.21	
<i>For &gt;10 To 50, Deduct</i>	-0.46	
<i>For &gt;50 To 100, Deduct</i>	-1.02	
<i>For &gt;100 To 250, Deduct</i>	-2.05	
<i>For &gt;250 To 500, Deduct</i>	-3.53	
<i>For &gt;500, Deduct</i>	-5.02	
06 05 23 00-0152 EA 3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	11.46	
<i>For &gt;10 To 50, Deduct</i>	-0.37	
<i>For &gt;50 To 100, Deduct</i>	-0.83	
<i>For &gt;100 To 250, Deduct</i>	-1.67	
<i>For &gt;250 To 500, Deduct</i>	-2.87	
<i>For &gt;500, Deduct</i>	-4.07	
06 05 23 00-0153 EA 3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	13.87	
<i>For &gt;10 To 50, Deduct</i>	-0.42	
<i>For &gt;50 To 100, Deduct</i>	-0.98	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-3.37	
<i>For &gt;500, Deduct</i>	-4.78	
06 05 23 00-0154 EA 3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	16.32	
<i>For &gt;10 To 50, Deduct</i>	-0.44	
<i>For &gt;50 To 100, Deduct</i>	-1.07	
<i>For &gt;100 To 250, Deduct</i>	-2.14	
<i>For &gt;250 To 500, Deduct</i>	-3.66	
<i>For &gt;500, Deduct</i>	-5.17	
06 05 23 00-0155 EA 3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	19.83	
<i>For &gt;10 To 50, Deduct</i>	-0.48	
<i>For &gt;50 To 100, Deduct</i>	-1.22	
<i>For &gt;100 To 250, Deduct</i>	-2.43	
<i>For &gt;250 To 500, Deduct</i>	-4.13	
<i>For &gt;500, Deduct</i>	-5.83	
06 05 23 00-0156 EA 3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	23.14	
<i>For &gt;10 To 50, Deduct</i>	-0.50	
<i>For &gt;50 To 100, Deduct</i>	-1.33	
<i>For &gt;100 To 250, Deduct</i>	-2.66	
<i>For &gt;250 To 500, Deduct</i>	-4.49	
<i>For &gt;500, Deduct</i>	-6.32	
<b>06 05 23 00-0157 304/18-8 Stainless Steel, Hex Lag Bolts</b> <small>(06 05 23 00-0116)</small>		
06 05 23 00-0158 EA 1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	5.60	
<i>For &gt;10 To 50, Deduct</i>	-0.25	
<i>For &gt;50 To 100, Deduct</i>	-0.51	
<i>For &gt;100 To 250, Deduct</i>	-1.02	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.52	
06 05 23 00-0159 EA 1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	6.12	
<i>For &gt;10 To 50, Deduct</i>	-0.25	
<i>For &gt;50 To 100, Deduct</i>	-0.52	
<i>For &gt;100 To 250, Deduct</i>	-1.04	
<i>For &gt;250 To 500, Deduct</i>	-1.81	
<i>For &gt;500, Deduct</i>	-2.58	
06 05 23 00-0160 EA 1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	7.52	
<i>For &gt;10 To 50, Deduct</i>	-0.25	
<i>For &gt;50 To 100, Deduct</i>	-0.56	
<i>For &gt;100 To 250, Deduct</i>	-1.11	
<i>For &gt;250 To 500, Deduct</i>	-1.91	
<i>For &gt;500, Deduct</i>	-2.72	
06 05 23 00-0161 EA 3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	7.12	
<i>For &gt;10 To 50, Deduct</i>	-0.27	
<i>For &gt;50 To 100, Deduct</i>	-0.58	
<i>For &gt;100 To 250, Deduct</i>	-1.16	
<i>For &gt;250 To 500, Deduct</i>	-2.01	
<i>For &gt;500, Deduct</i>	-2.85	
06 05 23 00-0162 EA 3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	8.28	
<i>For &gt;10 To 50, Deduct</i>	-0.29	
<i>For &gt;50 To 100, Deduct</i>	-0.64	
<i>For &gt;100 To 250, Deduct</i>	-1.27	
<i>For &gt;250 To 500, Deduct</i>	-2.20	
<i>For &gt;500, Deduct</i>	-3.12	
06 05 23 00-0163 EA 3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	9.17	
<i>For &gt;10 To 50, Deduct</i>	-0.29	
<i>For &gt;50 To 100, Deduct</i>	-0.66	
<i>For &gt;100 To 250, Deduct</i>	-1.32	
<i>For &gt;250 To 500, Deduct</i>	-2.26	
<i>For &gt;500, Deduct</i>	-3.21	



**06 Wood, Plastics, and Composites****06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0164	EA		3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	22.80	
			<i>For &gt;10 To 50, Deduct</i>	-0.34	
			<i>For &gt;50 To 100, Deduct</i>	-1.09	
			<i>For &gt;100 To 250, Deduct</i>	-2.17	
			<i>For &gt;250 To 500, Deduct</i>	-3.60	
			<i>For &gt;500, Deduct</i>	-5.03	
06 05 23 00-0165	EA		3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	34.10	
			<i>For &gt;10 To 50, Deduct</i>	-0.36	
			<i>For &gt;50 To 100, Deduct</i>	-1.40	
			<i>For &gt;100 To 250, Deduct</i>	-2.79	
			<i>For &gt;250 To 500, Deduct</i>	-4.55	
			<i>For &gt;500, Deduct</i>	-6.31	
06 05 23 00-0166	EA		1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	9.24	
			<i>For &gt;10 To 50, Deduct</i>	-0.29	
			<i>For &gt;50 To 100, Deduct</i>	-0.66	
			<i>For &gt;100 To 250, Deduct</i>	-1.33	
			<i>For &gt;250 To 500, Deduct</i>	-2.28	
			<i>For &gt;500, Deduct</i>	-3.23	
06 05 23 00-0167	EA		1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	11.50	
			<i>For &gt;10 To 50, Deduct</i>	-0.31	
			<i>For &gt;50 To 100, Deduct</i>	-0.75	
			<i>For &gt;100 To 250, Deduct</i>	-1.50	
			<i>For &gt;250 To 500, Deduct</i>	-2.56	
			<i>For &gt;500, Deduct</i>	-3.61	
06 05 23 00-0168	EA		1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	15.11	
			<i>For &gt;10 To 50, Deduct</i>	-0.33	
			<i>For &gt;50 To 100, Deduct</i>	-0.87	
			<i>For &gt;100 To 250, Deduct</i>	-1.74	
			<i>For &gt;250 To 500, Deduct</i>	-2.93	
			<i>For &gt;500, Deduct</i>	-4.13	
06 05 23 00-0169	EA		1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	36.68	
			<i>For &gt;10 To 50, Deduct</i>	-0.37	
			<i>For &gt;50 To 100, Deduct</i>	-1.47	
			<i>For &gt;100 To 250, Deduct</i>	-2.93	
			<i>For &gt;250 To 500, Deduct</i>	-4.76	
			<i>For &gt;500, Deduct</i>	-6.59	
06 05 23 00-0170	EA		1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	51.20	
			<i>For &gt;10 To 50, Deduct</i>	-0.42	
			<i>For &gt;50 To 100, Deduct</i>	-1.92	
			<i>For &gt;100 To 250, Deduct</i>	-3.83	
			<i>For &gt;250 To 500, Deduct</i>	-6.17	
			<i>For &gt;500, Deduct</i>	-8.51	
06 05 23 00-0171	EA		1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	60.38	
			<i>For &gt;10 To 50, Deduct</i>	-0.46	
			<i>For &gt;50 To 100, Deduct</i>	-2.20	
			<i>For &gt;100 To 250, Deduct</i>	-4.41	
			<i>For &gt;250 To 500, Deduct</i>	-7.07	
			<i>For &gt;500, Deduct</i>	-9.73	
06 05 23 00-0172	EA		3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	57.08	
			<i>For &gt;10 To 50, Deduct</i>	-0.37	
			<i>For &gt;50 To 100, Deduct</i>	-1.98	
			<i>For &gt;100 To 250, Deduct</i>	-3.95	
			<i>For &gt;250 To 500, Deduct</i>	-6.29	
			<i>For &gt;500, Deduct</i>	-8.63	
06 05 23 00-0173	EA		3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	65.16	
			<i>For &gt;10 To 50, Deduct</i>	-0.42	
			<i>For &gt;50 To 100, Deduct</i>	-2.26	
			<i>For &gt;100 To 250, Deduct</i>	-4.53	
			<i>For &gt;250 To 500, Deduct</i>	-7.22	
			<i>For &gt;500, Deduct</i>	-9.90	
06 05 23 00-0174	EA		3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	67.77	
			<i>For &gt;10 To 50, Deduct</i>	-0.44	
			<i>For &gt;50 To 100, Deduct</i>	-2.36	
			<i>For &gt;100 To 250, Deduct</i>	-4.72	
			<i>For &gt;250 To 500, Deduct</i>	-7.52	
			<i>For &gt;500, Deduct</i>	-10.32	
06 05 23 00-0175	EA		3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	96.17	
			<i>For &gt;10 To 50, Deduct</i>	-0.48	
			<i>For &gt;50 To 100, Deduct</i>	-3.13	
			<i>For &gt;100 To 250, Deduct</i>	-6.25	
			<i>For &gt;250 To 500, Deduct</i>	-9.86	
			<i>For &gt;500, Deduct</i>	-13.47	
06 05 23 00-0176	EA		3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	105.36	
			<i>For &gt;10 To 50, Deduct</i>	-0.50	
			<i>For &gt;50 To 100, Deduct</i>	-3.38	
			<i>For &gt;100 To 250, Deduct</i>	-6.77	
			<i>For &gt;250 To 500, Deduct</i>	-10.65	
			<i>For &gt;500, Deduct</i>	-14.54	

06 05 23 00-0177 Timber Bolts (06 05 23 00-0038)

Note: Includes drilling of holes in any material.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0178 EA 5/8" - 11 x 4" Threaded x 8" OAL A153 Galvanized Timber Bolt (Fastenal #11103914) .....	15.15	
<i>For &gt;10 To 50, Deduct</i>	-0.41	
<i>For &gt;50 To 100, Deduct</i>	-0.99	
<i>For &gt;100 To 250, Deduct</i>	-1.99	
<i>For &gt;250 To 500, Deduct</i>	-3.39	
<i>For &gt;500, Deduct</i>	-4.80	
06 05 23 00-0179 EA 5/8" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103915) .....	17.17	
<i>For &gt;10 To 50, Deduct</i>	-0.46	
<i>For &gt;50 To 100, Deduct</i>	-1.12	
<i>For &gt;100 To 250, Deduct</i>	-2.24	
<i>For &gt;250 To 500, Deduct</i>	-3.81	
<i>For &gt;500, Deduct</i>	-5.39	
06 05 23 00-0180 EA 5/8" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103916) .....	18.64	
<i>For &gt;10 To 50, Deduct</i>	-0.49	
<i>For &gt;50 To 100, Deduct</i>	-1.20	
<i>For &gt;100 To 250, Deduct</i>	-2.40	
<i>For &gt;250 To 500, Deduct</i>	-4.09	
<i>For &gt;500, Deduct</i>	-5.78	
06 05 23 00-0181 EA 5/8" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103917) .....	21.11	
<i>For &gt;10 To 50, Deduct</i>	-0.52	
<i>For &gt;50 To 100, Deduct</i>	-1.30	
<i>For &gt;100 To 250, Deduct</i>	-2.61	
<i>For &gt;250 To 500, Deduct</i>	-4.42	
<i>For &gt;500, Deduct</i>	-6.24	
06 05 23 00-0182 EA 5/8" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103918) .....	22.53	
<i>For &gt;10 To 50, Deduct</i>	-0.54	
<i>For &gt;50 To 100, Deduct</i>	-1.38	
<i>For &gt;100 To 250, Deduct</i>	-2.76	
<i>For &gt;250 To 500, Deduct</i>	-4.68	
<i>For &gt;500, Deduct</i>	-6.61	
06 05 23 00-0183 EA 5/8" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103919) .....	23.36	
<i>For &gt;10 To 50, Deduct</i>	-0.57	
<i>For &gt;50 To 100, Deduct</i>	-1.44	
<i>For &gt;100 To 250, Deduct</i>	-2.87	
<i>For &gt;250 To 500, Deduct</i>	-4.88	
<i>For &gt;500, Deduct</i>	-6.88	
06 05 23 00-0184 EA 3/4" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103920) .....	21.22	
<i>For &gt;10 To 50, Deduct</i>	-0.49	
<i>For &gt;50 To 100, Deduct</i>	-1.26	
<i>For &gt;100 To 250, Deduct</i>	-2.53	
<i>For &gt;250 To 500, Deduct</i>	-4.28	
<i>For &gt;500, Deduct</i>	-6.03	
06 05 23 00-0185 EA 3/4" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103921) .....	22.22	
<i>For &gt;10 To 50, Deduct</i>	-0.51	
<i>For &gt;50 To 100, Deduct</i>	-1.32	
<i>For &gt;100 To 250, Deduct</i>	-2.64	
<i>For &gt;250 To 500, Deduct</i>	-4.46	
<i>For &gt;500, Deduct</i>	-6.29	
06 05 23 00-0186 EA 3/4" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103922) .....	24.93	
<i>For &gt;10 To 50, Deduct</i>	-0.54	
<i>For &gt;50 To 100, Deduct</i>	-1.43	
<i>For &gt;100 To 250, Deduct</i>	-2.86	
<i>For &gt;250 To 500, Deduct</i>	-4.83	
<i>For &gt;500, Deduct</i>	-6.81	
06 05 23 00-0187 EA 3/4" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103923) .....	26.90	
<i>For &gt;10 To 50, Deduct</i>	-0.57	
<i>For &gt;50 To 100, Deduct</i>	-1.52	
<i>For &gt;100 To 250, Deduct</i>	-3.04	
<i>For &gt;250 To 500, Deduct</i>	-5.13	
<i>For &gt;500, Deduct</i>	-7.22	
06 05 23 00-0188 EA 3/4" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103924) .....	29.09	
<i>For &gt;10 To 50, Deduct</i>	-0.59	
<i>For &gt;50 To 100, Deduct</i>	-1.62	
<i>For &gt;100 To 250, Deduct</i>	-3.24	
<i>For &gt;250 To 500, Deduct</i>	-5.45	
<i>For &gt;500, Deduct</i>	-7.67	
<b>06 05 23 00-0189 Supports</b> <small>(06 05 23)</small>		
<b>06 05 23 00-0190 Shear Plates</b> <small>(06 05 23 00-0189)</small>		
06 05 23 00-0191 EA 2-5/8" Diameter, Shear Plate .....	4.59	1.45
<i>For &gt;10 To 50, Deduct</i>	-0.16	
<i>For &gt;50 To 100, Deduct</i>	-0.36	
<i>For &gt;100 To 250, Deduct</i>	-0.72	
<i>For &gt;250 To 500, Deduct</i>	-1.24	
<i>For &gt;500, Deduct</i>	-1.77	
06 05 23 00-0192 EA 4" Diameter, Shear Plate .....	6.47	1.53
<i>For &gt;10 To 50, Deduct</i>	-0.17	
<i>For &gt;50 To 100, Deduct</i>	-0.42	
<i>For &gt;100 To 250, Deduct</i>	-0.84	
<i>For &gt;250 To 500, Deduct</i>	-1.42	
<i>For &gt;500, Deduct</i>	-2.01	
<b>06 05 23 00-0193 Sill Anchors</b> <small>(06 05 23 00-0189)</small>		

**06 Wood, Plastics, and Composites****06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0194 EA Sill Anchor Embedded In Concrete.....	3.77	1.53
For >10 To 50, Deduct	-0.17	
For >50 To 100, Deduct	-0.35	
For >100 To 250, Deduct	-0.70	
For >250 To 500, Deduct	-1.22	
For >500, Deduct	-1.74	
<b>06 05 23 00-0195 Spike Grids (06 05 23 00-0189)</b>		
06 05 23 00-0196 EA 4" x 4" Flat Or Curved Spike Grid.....	3.74	1.45
For >10 To 50, Deduct	-0.16	
For >50 To 100, Deduct	-0.34	
For >100 To 250, Deduct	-0.68	
For >250 To 500, Deduct	-1.18	
For >500, Deduct	-1.68	
<b>06 05 23 00-0197 Split Rings (06 05 23 00-0189)</b>		
06 05 23 00-0198 EA 2-1/2" Diameter Split Ring.....	4.03	1.45
For >10 To 50, Deduct	-0.16	
For >50 To 100, Deduct	-0.35	
For >100 To 250, Deduct	-0.69	
For >250 To 500, Deduct	-1.20	
For >500, Deduct	-1.71	
06 05 23 00-0199 EA 4" Diameter Split Ring.....	4.85	1.61
For >10 To 50, Deduct	-0.18	
For >50 To 100, Deduct	-0.39	
For >100 To 250, Deduct	-0.78	
For >250 To 500, Deduct	-1.35	
For >500, Deduct	-1.91	
<b>06 05 23 00-0200 Toothed Rings (06 05 23 00-0189)</b>		
06 05 23 00-0201 EA 2-5/8" Or 4" Toothed Ring.....	5.15	1.45
For >10 To 50, Deduct	-0.16	
For >50 To 100, Deduct	-0.37	
For >100 To 250, Deduct	-0.75	
For >250 To 500, Deduct	-1.29	
For >500, Deduct	-1.82	
<b>06 05 23 00-0202 Straps And Shields (06 05 23)</b>		
<b>06 05 23 00-0203 Shield Plate (06 05 23 00-0202)</b>		
06 05 23 00-0204 EA 5" Wide x 8" Long, 16 Gauge, Shield Plate (Simpson Strong Tie® PSPN58Z).....	4.45	
For >10 To 50, Deduct	-0.02	
For >50 To 100, Deduct	-0.14	
For >100 To 250, Deduct	-0.27	
For >250 To 500, Deduct	-0.46	
For >500, Deduct	-0.67	
06 05 23 00-0205 EA 5" Wide x 16" Long, 16 Gauge, Shield Plate (Simpson Strong Tie® PSPN516Z).....	7.04	
For >10 To 50, Deduct	-0.03	
For >50 To 100, Deduct	-0.21	
For >100 To 250, Deduct	-0.41	
For >250 To 500, Deduct	-0.68	
For >500, Deduct	-0.98	
<b>06 05 23 00-0206 Strap Ties (06 05 23 00-0202)</b>		
06 05 23 00-0207 EA 1-1/4" Wide x 9" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA9).....	1.37	
For >10 To 50, Deduct	-0.02	
For >50 To 100, Deduct	-0.05	
For >100 To 250, Deduct	-0.11	
For >250 To 500, Deduct	-0.20	
For >500, Deduct	-0.32	
06 05 23 00-0208 EA 1-1/4" Wide x 12" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA12).....	1.42	
For >10 To 50, Deduct	-0.02	
For >50 To 100, Deduct	-0.06	
For >100 To 250, Deduct	-0.11	
For >250 To 500, Deduct	-0.21	
For >500, Deduct	-0.32	
06 05 23 00-0209 EA 1-1/4" Wide x 15" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA15).....	1.93	
For >10 To 50, Deduct	-0.02	
For >50 To 100, Deduct	-0.07	
For >100 To 250, Deduct	-0.15	
For >250 To 500, Deduct	-0.27	
For >500, Deduct	-0.42	
06 05 23 00-0210 EA 1-1/4" Wide x 18" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA18).....	2.09	
For >10 To 50, Deduct	-0.02	
For >50 To 100, Deduct	-0.08	
For >100 To 250, Deduct	-0.15	
For >250 To 500, Deduct	-0.28	
For >500, Deduct	-0.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0211 EA 1-1/4" Wide x 21" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA21).....	2.23	
<i>For &gt;10 To 50, Deduct</i>	-0.02	
<i>For &gt;50 To 100, Deduct</i>	-0.08	
<i>For &gt;100 To 250, Deduct</i>	-0.16	
<i>For &gt;250 To 500, Deduct</i>	-0.29	
<i>For &gt;500, Deduct</i>	-0.45	
06 05 23 00-0212 EA 1-1/4" Wide x 24" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA24).....	2.58	
<i>For &gt;10 To 50, Deduct</i>	-0.03	
<i>For &gt;50 To 100, Deduct</i>	-0.09	
<i>For &gt;100 To 250, Deduct</i>	-0.19	
<i>For &gt;250 To 500, Deduct</i>	-0.34	
<i>For &gt;500, Deduct</i>	-0.53	
06 05 23 00-0213 EA 1-1/4" Wide x 30" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA30).....	2.97	
<i>For &gt;10 To 50, Deduct</i>	-0.03	
<i>For &gt;50 To 100, Deduct</i>	-0.10	
<i>For &gt;100 To 250, Deduct</i>	-0.21	
<i>For &gt;250 To 500, Deduct</i>	-0.37	
<i>For &gt;500, Deduct</i>	-0.57	
06 05 23 00-0214 EA 1-1/4" Wide x 36" Long, 20 Gauge, Strap Tie (Simpson Strong Tie® LSTA36).....	3.57	
<i>For &gt;10 To 50, Deduct</i>	-0.03	
<i>For &gt;50 To 100, Deduct</i>	-0.12	
<i>For &gt;100 To 250, Deduct</i>	-0.25	
<i>For &gt;250 To 500, Deduct</i>	-0.44	
<i>For &gt;500, Deduct</i>	-0.67	
06 05 23 00-0215 EA 1-1/4" Wide x 9" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA9).....	1.42	
<i>For &gt;10 To 50, Deduct</i>	-0.02	
<i>For &gt;50 To 100, Deduct</i>	-0.06	
<i>For &gt;100 To 250, Deduct</i>	-0.11	
<i>For &gt;250 To 500, Deduct</i>	-0.21	
<i>For &gt;500, Deduct</i>	-0.32	
06 05 23 00-0216 EA 1-1/4" Wide x 12" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA12).....	1.61	
<i>For &gt;10 To 50, Deduct</i>	-0.02	
<i>For &gt;50 To 100, Deduct</i>	-0.06	
<i>For &gt;100 To 250, Deduct</i>	-0.12	
<i>For &gt;250 To 500, Deduct</i>	-0.22	
<i>For &gt;500, Deduct</i>	-0.34	
06 05 23 00-0217 EA 1-1/4" Wide x 15" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA15).....	2.05	
<i>For &gt;10 To 50, Deduct</i>	-0.02	
<i>For &gt;50 To 100, Deduct</i>	-0.08	
<i>For &gt;100 To 250, Deduct</i>	-0.15	
<i>For &gt;250 To 500, Deduct</i>	-0.28	
<i>For &gt;500, Deduct</i>	-0.43	
06 05 23 00-0218 EA 1-1/4" Wide x 18" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA18).....	2.27	
<i>For &gt;10 To 50, Deduct</i>	-0.02	
<i>For &gt;50 To 100, Deduct</i>	-0.08	
<i>For &gt;100 To 250, Deduct</i>	-0.16	
<i>For &gt;250 To 500, Deduct</i>	-0.29	
<i>For &gt;500, Deduct</i>	-0.45	
06 05 23 00-0219 EA 1-1/4" Wide x 21" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA21).....	2.47	
<i>For &gt;10 To 50, Deduct</i>	-0.02	
<i>For &gt;50 To 100, Deduct</i>	-0.09	
<i>For &gt;100 To 250, Deduct</i>	-0.17	
<i>For &gt;250 To 500, Deduct</i>	-0.31	
<i>For &gt;500, Deduct</i>	-0.47	
06 05 23 00-0220 EA 1-1/4" Wide x 24" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA24).....	2.89	
<i>For &gt;10 To 50, Deduct</i>	-0.03	
<i>For &gt;50 To 100, Deduct</i>	-0.10	
<i>For &gt;100 To 250, Deduct</i>	-0.20	
<i>For &gt;250 To 500, Deduct</i>	-0.36	
<i>For &gt;500, Deduct</i>	-0.56	
06 05 23 00-0221 EA 1-1/4" Wide x 30" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA30).....	3.20	
<i>For &gt;10 To 50, Deduct</i>	-0.03	
<i>For &gt;50 To 100, Deduct</i>	-0.11	
<i>For &gt;100 To 250, Deduct</i>	-0.22	
<i>For &gt;250 To 500, Deduct</i>	-0.39	
<i>For &gt;500, Deduct</i>	-0.59	
06 05 23 00-0222 EA 1-1/4" Wide x 36" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA36).....	3.94	
<i>For &gt;10 To 50, Deduct</i>	-0.03	
<i>For &gt;50 To 100, Deduct</i>	-0.13	
<i>For &gt;100 To 250, Deduct</i>	-0.27	
<i>For &gt;250 To 500, Deduct</i>	-0.47	
<i>For &gt;500, Deduct</i>	-0.71	
06 05 23 00-0223 EA 1-1/4" Wide x 36" Long, 18 Gauge, Strap Tie (Simpson Strong Tie® MSTA49).....	5.30	
<i>For &gt;10 To 50, Deduct</i>	-0.04	
<i>For &gt;50 To 100, Deduct</i>	-0.17	
<i>For &gt;100 To 250, Deduct</i>	-0.34	
<i>For &gt;250 To 500, Deduct</i>	-0.59	
<i>For &gt;500, Deduct</i>	-0.89	
06 05 23 00-0224 EA 1-1/4" Wide x 9" Long, 16 Gauge, Strap Tie (Simpson Strong Tie® ST9).....	1.68	
<i>For &gt;10 To 50, Deduct</i>	-0.02	
<i>For &gt;50 To 100, Deduct</i>	-0.06	
<i>For &gt;100 To 250, Deduct</i>	-0.12	
<i>For &gt;250 To 500, Deduct</i>	-0.22	
<i>For &gt;500, Deduct</i>	-0.35	

**06 Wood, Plastics, and Composites****06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0225	EA		1-1/4" Wide x 12" Long, 16 Gauge, Strap Tie (Simpson Strong Tie® ST12) .....	1.90	
			<i>For &gt;10 To 50, Deduct</i>	-0.02	
			<i>For &gt;50 To 100, Deduct</i>	-0.07	
			<i>For &gt;100 To 250, Deduct</i>	-0.13	
			<i>For &gt;250 To 500, Deduct</i>	-0.24	
			<i>For &gt;500, Deduct</i>	-0.37	
06 05 23 00-0226	EA		1-1/4" Wide x 18" Long, 16 Gauge, Strap Tie (Simpson Strong Tie® ST18) .....	2.64	
			<i>For &gt;10 To 50, Deduct</i>	-0.02	
			<i>For &gt;50 To 100, Deduct</i>	-0.09	
			<i>For &gt;100 To 250, Deduct</i>	-0.18	
			<i>For &gt;250 To 500, Deduct</i>	-0.32	
			<i>For &gt;500, Deduct</i>	-0.49	
06 05 23 00-0227	EA		1-1/4" Wide x 22" Long, 16 Gauge, Strap Tie® (Simpson Strong Tie ST22) .....	3.52	
			<i>For &gt;10 To 50, Deduct</i>	-0.03	
			<i>For &gt;50 To 100, Deduct</i>	-0.12	
			<i>For &gt;100 To 250, Deduct</i>	-0.24	
			<i>For &gt;250 To 500, Deduct</i>	-0.41	
			<i>For &gt;500, Deduct</i>	-0.62	
06 05 23 00-0228	EA		1-3/8" Wide x 6" Long, 12 Gauge, Strap Tie (Simpson Strong Tie® HRS6) .....	2.33	
			<i>For &gt;10 To 50, Deduct</i>	-0.02	
			<i>For &gt;50 To 100, Deduct</i>	-0.08	
			<i>For &gt;100 To 250, Deduct</i>	-0.16	
			<i>For &gt;250 To 500, Deduct</i>	-0.27	
			<i>For &gt;500, Deduct</i>	-0.41	
06 05 23 00-0229	EA		1-3/8" Wide x 8" Long, 12 Gauge, Strap Tie (Simpson Strong Tie® HRS8) .....	2.51	
			<i>For &gt;10 To 50, Deduct</i>	-0.02	
			<i>For &gt;50 To 100, Deduct</i>	-0.08	
			<i>For &gt;100 To 250, Deduct</i>	-0.17	
			<i>For &gt;250 To 500, Deduct</i>	-0.29	
			<i>For &gt;500, Deduct</i>	-0.43	
06 05 23 00-0230	EA		1-3/8" Wide x 12" Long, 12 Gauge, Strap Tie (Simpson Strong Tie® HRS12) .....	3.49	
			<i>For &gt;10 To 50, Deduct</i>	-0.02	
			<i>For &gt;50 To 100, Deduct</i>	-0.11	
			<i>For &gt;100 To 250, Deduct</i>	-0.22	
			<i>For &gt;250 To 500, Deduct</i>	-0.38	
			<i>For &gt;500, Deduct</i>	-0.57	
06 05 23 00-0231	EA		2-1/16" Wide x 27" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST27) .....	6.81	
			<i>For &gt;10 To 50, Deduct</i>	-0.03	
			<i>For &gt;50 To 100, Deduct</i>	-0.20	
			<i>For &gt;100 To 250, Deduct</i>	-0.40	
			<i>For &gt;250 To 500, Deduct</i>	-0.66	
			<i>For &gt;500, Deduct</i>	-0.95	
06 05 23 00-0232	EA		2-1/16" Wide x 37" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST37) .....	9.42	
			<i>For &gt;10 To 50, Deduct</i>	-0.03	
			<i>For &gt;50 To 100, Deduct</i>	-0.27	
			<i>For &gt;100 To 250, Deduct</i>	-0.54	
			<i>For &gt;250 To 500, Deduct</i>	-0.88	
			<i>For &gt;500, Deduct</i>	-1.26	
06 05 23 00-0233	EA		2-1/16" Wide x 48" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST48) .....	12.70	
			<i>For &gt;10 To 50, Deduct</i>	-0.04	
			<i>For &gt;50 To 100, Deduct</i>	-0.36	
			<i>For &gt;100 To 250, Deduct</i>	-0.71	
			<i>For &gt;250 To 500, Deduct</i>	-1.15	
			<i>For &gt;500, Deduct</i>	-1.63	
06 05 23 00-0234	EA		2-1/16" Wide x 60" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST60) .....	18.89	
			<i>For &gt;10 To 50, Deduct</i>	-0.04	
			<i>For &gt;50 To 100, Deduct</i>	-0.52	
			<i>For &gt;100 To 250, Deduct</i>	-1.03	
			<i>For &gt;250 To 500, Deduct</i>	-1.64	
			<i>For &gt;500, Deduct</i>	-2.29	
06 05 23 00-0235	EA		2-1/16" Wide x 72" Long, 12 Gauge, Medium Strap Tie (Simpson Strong Tie® MST72) .....	24.66	
			<i>For &gt;10 To 50, Deduct</i>	-0.05	
			<i>For &gt;50 To 100, Deduct</i>	-0.67	
			<i>For &gt;100 To 250, Deduct</i>	-1.33	
			<i>For &gt;250 To 500, Deduct</i>	-2.09	
			<i>For &gt;500, Deduct</i>	-2.92	
06 05 23 00-0236	EA		3" Wide x 28" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC28) .....	7.38	
			<i>For &gt;10 To 50, Deduct</i>	-0.03	
			<i>For &gt;50 To 100, Deduct</i>	-0.21	
			<i>For &gt;100 To 250, Deduct</i>	-0.43	
			<i>For &gt;250 To 500, Deduct</i>	-0.70	
			<i>For &gt;500, Deduct</i>	-1.01	
06 05 23 00-0237	EA		3" Wide x 40" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC40) .....	10.26	
			<i>For &gt;10 To 50, Deduct</i>	-0.03	
			<i>For &gt;50 To 100, Deduct</i>	-0.29	
			<i>For &gt;100 To 250, Deduct</i>	-0.58	
			<i>For &gt;250 To 500, Deduct</i>	-0.94	
			<i>For &gt;500, Deduct</i>	-1.34	
06 05 23 00-0238	EA		3" Wide x 52" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC52) .....	12.93	
			<i>For &gt;10 To 50, Deduct</i>	-0.04	
			<i>For &gt;50 To 100, Deduct</i>	-0.36	
			<i>For &gt;100 To 250, Deduct</i>	-0.73	
			<i>For &gt;250 To 500, Deduct</i>	-1.17	
			<i>For &gt;500, Deduct</i>	-1.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0239 EA 3" Wide x 66" Long, 16 Gauge, Strap Ties (Simpson Strong Tie® MSTC66).....	19.33	
<i>For &gt;10 To 50, Deduct</i>	-0.04	
<i>For &gt;50 To 100, Deduct</i>	-0.53	
<i>For &gt;100 To 250, Deduct</i>	-1.05	
<i>For &gt;250 To 500, Deduct</i>	-1.67	
<i>For &gt;500, Deduct</i>	-2.34	
<b>06 05 23 00-0240 Twist Strap Ties</b> <small>(06 05 23 00-0202)</small>		
06 05 23 00-0241 EA 1-1/4" Wide x 9" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS9).....	1.98	
<i>For &gt;10 To 50, Deduct</i>	-0.02	
<i>For &gt;50 To 100, Deduct</i>	-0.07	
<i>For &gt;100 To 250, Deduct</i>	-0.14	
<i>For &gt;250 To 500, Deduct</i>	-0.25	
<i>For &gt;500, Deduct</i>	-0.38	
06 05 23 00-0242 EA 1-1/4" Wide x 12" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS12).....	2.41	
<i>For &gt;10 To 50, Deduct</i>	-0.02	
<i>For &gt;50 To 100, Deduct</i>	-0.08	
<i>For &gt;100 To 250, Deduct</i>	-0.16	
<i>For &gt;250 To 500, Deduct</i>	-0.28	
<i>For &gt;500, Deduct</i>	-0.42	
06 05 23 00-0243 EA 1-1/4" Wide x 18" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS18).....	3.32	
<i>For &gt;10 To 50, Deduct</i>	-0.02	
<i>For &gt;50 To 100, Deduct</i>	-0.11	
<i>For &gt;100 To 250, Deduct</i>	-0.22	
<i>For &gt;250 To 500, Deduct</i>	-0.37	
<i>For &gt;500, Deduct</i>	-0.56	
06 05 23 00-0244 EA 1-1/4" Wide x 22" Long, 16 Gauge, Twist Strap Tie (Simpson Strong Tie® TS22).....	3.93	
<i>For &gt;10 To 50, Deduct</i>	-0.03	
<i>For &gt;50 To 100, Deduct</i>	-0.13	
<i>For &gt;100 To 250, Deduct</i>	-0.26	
<i>For &gt;250 To 500, Deduct</i>	-0.44	
<i>For &gt;500, Deduct</i>	-0.66	
<b>06 05 23 00-0245 Retrofit Plate Strap</b> <small>(06 05 23 00-0202)</small>		
06 05 23 00-0246 EA 1-3/8" Wide x 18" Long, 16 Gauge, Retrofit Plate Strap (Simpson Strong Tie® RPS18) .....	2.85	
<i>For &gt;10 To 50, Deduct</i>	-0.02	
<i>For &gt;50 To 100, Deduct</i>	-0.10	
<i>For &gt;100 To 250, Deduct</i>	-0.19	
<i>For &gt;250 To 500, Deduct</i>	-0.34	
<i>For &gt;500, Deduct</i>	-0.51	
06 05 23 00-0247 EA 1-3/8" Wide x 22" Long, 16 Gauge, Retrofit Plate Strap (Simpson Strong Tie® RPS22) .....	3.25	
<i>For &gt;10 To 50, Deduct</i>	-0.02	
<i>For &gt;50 To 100, Deduct</i>	-0.11	
<i>For &gt;100 To 250, Deduct</i>	-0.21	
<i>For &gt;250 To 500, Deduct</i>	-0.37	
<i>For &gt;500, Deduct</i>	-0.55	
06 05 23 00-0248 EA 1-3/8" Wide x 28" Long, 16 Gauge, Retrofit Plate Strap (Simpson Strong Tie® RPS28) .....	3.86	
<i>For &gt;10 To 50, Deduct</i>	-0.02	
<i>For &gt;50 To 100, Deduct</i>	-0.12	
<i>For &gt;100 To 250, Deduct</i>	-0.24	
<i>For &gt;250 To 500, Deduct</i>	-0.41	
<i>For &gt;500, Deduct</i>	-0.61	
<b>06 05 23 00-0249 Stud Shoe</b> <small>(06 05 23 00-0202)</small>		
06 05 23 00-0250 EA 6" High With 3-1/4" Wide Tabs For 2X Stud, 16 Gauge, Stud Shoe (Simpson Strong Tie® SS1.5).....	5.86	
<i>For &gt;10 To 50, Deduct</i>	-0.03	
<i>For &gt;50 To 100, Deduct</i>	-0.18	
<i>For &gt;100 To 250, Deduct</i>	-0.35	
<i>For &gt;250 To 500, Deduct</i>	-0.59	
<i>For &gt;500, Deduct</i>	-0.86	
06 05 23 00-0251 EA 6" High With 3-1/4" Wide Tabs For 3X Stud, 16 Gauge, Stud Shoe (Simpson Strong Tie® SS2.5).....	9.41	
<i>For &gt;10 To 50, Deduct</i>	-0.03	
<i>For &gt;50 To 100, Deduct</i>	-0.26	
<i>For &gt;100 To 250, Deduct</i>	-0.53	
<i>For &gt;250 To 500, Deduct</i>	-0.85	
<i>For &gt;500, Deduct</i>	-1.21	
06 05 23 00-0252 EA 6" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie® SS3).....	10.42	
<i>For &gt;10 To 50, Deduct</i>	-0.03	
<i>For &gt;50 To 100, Deduct</i>	-0.29	
<i>For &gt;100 To 250, Deduct</i>	-0.58	
<i>For &gt;250 To 500, Deduct</i>	-0.93	
<i>For &gt;500, Deduct</i>	-1.31	
06 05 23 00-0253 EA 6" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Stud Shoe (Simpson Strong Tie SS4.5).....	13.82	
<i>For &gt;10 To 50, Deduct</i>	-0.03	
<i>For &gt;50 To 100, Deduct</i>	-0.38	
<i>For &gt;100 To 250, Deduct</i>	-0.75	
<i>For &gt;250 To 500, Deduct</i>	-1.18	
<i>For &gt;500, Deduct</i>	-1.65	
<b>06 05 23 00-0254 Nail Stops</b> <small>(06 05 23 00-0202)</small>		

**06 Wood, Plastics, and Composites****06 05 Common Work Results For Wood, Plastics, And Composites****06 05 23 Wood, Plastic, And Composite Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0255 EA 1-1/2" Wide x 3" Long, 16 Gauge, Nail Stops (Simpson Strong Tie® NS1).....	1.23	
For >10 To 50, Deduct	-0.02	
For >50 To 100, Deduct	-0.05	
For >100 To 250, Deduct	-0.10	
For >250 To 500, Deduct	-0.19	
For >500, Deduct	-0.30	
06 05 23 00-0256 EA 1-1/2" Wide x 6" Long, 16 Gauge, Nail Stops (Simpson Strong Tie® NS2).....	1.54	
For >10 To 50, Deduct	-0.02	
For >50 To 100, Deduct	-0.06	
For >100 To 250, Deduct	-0.12	
For >250 To 500, Deduct	-0.21	
For >500, Deduct	-0.34	

**06 05 73 Wood Treatment (06 05)****06 05 73 13 Fire-Retardant Wood Treatment (06 05 73)**

06 05 73 13-0001 Preservative Treated Lumber (06 05 73 13)

06 05 73 13-0002 Fire Retardant Treatment (FRT) For Lumber (06 05 73 13-0001)

06 05 73 13-0003 MBF Fire Retardant Treatment (FRT) For Lumber.....431.83

**06 05 73 33 Preservative Wood Treatment (06 05 73)**

06 05 73 33-0001 Preservative Treatment For Marine And Fresh Water Uses (06 05 73.33)

06 05 73 33-0002 MBF Preservative Treatment For Marine And Fresh Water Lumber .....99.64

**06 10 Rough Carpentry (06)****06 11 Wood Framing (06 10)**

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal. See CSI section 06 05 23 00-0000 for anchors and supports.

**06 11 13 Engineered Wood Products (06 11)**

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal.

06 11 13 00-0001 Built-Up Members (06 11 13)

Note: A structural framing member made from fastening separate pieces of lumber together.

06 11 13 00-0002 Built-Up Beams Or Joists (06 11 13 00-0001)

06 11 13 00-0003 LF Two 2" x 6" Built-up Wood Beam Or Joist.....2.27 0.68

For Each Additional 2" x\_" In The Built Up Member, Add 0.62

06 11 13 00-0004 LF Two 2" x 8" Built-up Wood Beam Or Joist.....2.94 0.79

For Each Additional 2" x\_" In The Built Up Member, Add 0.87

06 11 13 00-0005 LF Two 2" x 10" Built-up Wood Beam Or Joist.....3.85 0.96

For Each Additional 2" x\_" In The Built Up Member, Add 1.21

06 11 13 00-0006 Built-Up Posts (06 11 13 00-0001)

06 11 13 00-0007 LF Two 2" x 6" Built-up Wood Post.....2.27 0.68

For Each Additional 2" x\_" In The Built Up Member, Add 0.62

06 11 13 00-0008 LF Two 2" x 8" Built-up Wood Post.....2.94 0.79

For Each Additional 2" x\_" In The Built Up Member, Add 0.87

06 11 13 00-0009 LF Two 2" x 10" Built-up Wood Post.....3.85 0.96

For Each Additional 2" x\_" In The Built Up Member, Add 1.21

**06 11 16 Mechanically Graded Lumber (06 11)**

06 11 16 00-0001 Rafters And Joists (06 11 16)

06 11 16 00-0002 Rafters (06 11 16 00-0001)

Note: An inclined roof framing member to which a roof covering is attached.

06 11 16 00-0003 LF 2" x 6" Wood Rafter .....1.25 0.47

06 11 16 00-0004 LF 2" x 8" Wood Rafter .....1.55 0.52

06 11 16 00-0005 LF 2" x 10" Wood Rafter .....2.21 0.76

06 11 16 00-0006 LF 2" x 12" Wood Rafter .....2.57 0.83

06 11 16 00-0007 LF 2" x 14" Wood Rafter .....2.82 0.92

06 11 16 00-0008 LF 2" x 6" Pressure Treated Wood Rafter.....1.94 0.47

06 11 16 00-0009 LF 2" x 8" Pressure Treated Wood Rafter.....2.51 0.52

06 11 16 00-0010 LF 2" x 10" Pressure Treated Wood Rafter.....3.27 0.76

06 11 16 00-0011 LF 2" x 12" Pressure Treated Wood Rafter.....4.07 0.83

06 11 16 00-0012 Joists (06 11 16 00-0001)

Note: A series of parallel beams to support floors or ceilings.

06 11 16 00-0013 LF 2" x 6" Wood Floor Joist.....1.13 0.40

06 11 16 00-0014 LF 2" x 8" Wood Floor Joist.....1.47 0.44

06 11 16 00-0015 LF 2" x 10" Wood Floor Joist.....1.93 0.56

06 11 16 00-0016 LF 2" x 12" Wood Floor Joist.....2.29 0.64

06 11 16 00-0017 LF 2" x 14" Wood Floor Joist.....2.54 0.68



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0018 LF 2" x 6" Pressure Treated Wood Floor Joist.....	1.82	0.40
06 11 16 00-0019 LF 2" x 8" Pressure Treated Wood Floor Joist.....	2.43	0.44
06 11 16 00-0020 LF 2" x 10" Pressure Treated Wood Floor Joist.....	2.99	0.56
06 11 16 00-0021 LF 2" x 12" Pressure Treated Wood Floor Joist.....	3.79	0.64
<b>06 11 16 00-0022 Purlins</b> <small>(06 11 16 00-0001)</small>		
<small>Note: A horizontal structural member in a roof, supporting the loads from the roof deck or sheathing.</small>		
06 11 16 00-0023 LF 2" x 4" Wood Purlin.....	0.84	0.24
06 11 16 00-0024 LF 2" x 6" Wood Purlin.....	1.14	0.27
06 11 16 00-0025 LF 2" x 8" Wood Purlin.....	1.45	0.29
06 11 16 00-0026 LF 2" x 10" Wood Purlin.....	1.85	0.32
06 11 16 00-0027 LF 2" x 4" Pressure Treated Wood Purlin.....	1.25	0.24
06 11 16 00-0028 LF 2" x 6" Pressure Treated Wood Purlin.....	1.83	0.27
06 11 16 00-0029 LF 2" x 8" Pressure Treated Wood Purlin.....	2.41	0.29
06 11 16 00-0030 LF 2" x 10" Pressure Treated Wood Purlin.....	2.91	0.32
<b>06 11 16 00-0031 Exposed Rafters Or Joists</b> <small>(06 11 16 00-0001)</small>		
<b>06 11 16 00-0032 Redwood Rafters Or Joists</b> <small>(06 11 16 00-0031)</small>		
06 11 16 00-0033 LF 2" x 6" Redwood Rafter Or Joist.....	2.03	0.40
06 11 16 00-0034 LF 2" x 8" Redwood Rafter Or Joist.....	2.52	0.44
06 11 16 00-0035 LF 2" x 10" Redwood Rafter Or Joist.....	3.17	0.56
06 11 16 00-0036 LF 2" x 12" Redwood Rafter Or Joist.....	3.86	0.64
<b>06 11 16 00-0037 Cedar Rafters Or Joists</b> <small>(06 11 16 00-0031)</small>		
06 11 16 00-0038 LF 2" x 6" Cedar Rafter Or Joist.....	1.14	0.40
06 11 16 00-0039 LF 2" x 8" Cedar Rafter Or Joist.....	1.26	0.44
06 11 16 00-0040 LF 2" x 10" Cedar Rafter Or Joist.....	1.42	0.56
06 11 16 00-0041 LF 2" x 12" Cedar Rafter Or Joist.....	1.57	0.64
<b>06 11 16 00-0042 Oak Rafters Or Joists</b> <small>(06 11 16 00-0031)</small>		
06 11 16 00-0043 LF 2" x 6" Oak Rafter Or Joist.....	1.51	0.40
06 11 16 00-0044 LF 2" x 8" Oak Rafter Or Joist.....	2.19	0.44
06 11 16 00-0045 LF 2" x 10" Oak Rafter Or Joist.....	2.91	0.56
06 11 16 00-0046 LF 2" x 12" Oak Rafter Or Joist.....	3.62	0.64
<b>06 11 16 00-0047 Framing</b> <small>(06 11 16)</small>		
<b>06 11 16 00-0048 Partition Framing</b> <small>(06 11 16 00-0047)</small>		
06 11 16 00-0049 LF 2" x 4" Wood Stud Framing, For Partition Walls.....	0.83	0.32
06 11 16 00-0050 LF 2" x 6" Wood Stud Framing, For Partition Walls.....	1.08	0.34
06 11 16 00-0051 LF 2" x 8" Wood Stud Framing, For Partition Walls.....	1.36	0.36
06 11 16 00-0052 LF 2" x 4" Pressure Treated Wood Stud Framing, For Partition Walls.....	1.24	0.32
06 11 16 00-0053 LF 2" x 6" Pressure Treated Wood Stud Framing, For Partition Walls.....	1.77	0.34
06 11 16 00-0054 LF 2" x 8" Pressure Treated Wood Stud Framing, For Partition Walls.....	2.32	0.36
<b>06 11 16 00-0055 Wall Framing Assemblies By The SF</b> <small>(06 11 16 00-0047)</small>		
<small>Note: Includes single bottom and double top plates, center support bracing, vertical studs and appropriate fastening devices. Excludes blocking for wall mounted fixtures or cabinets. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.</small>		
<b>06 11 16 00-0056 Wall Framing By The SF, 12" On Center</b> <small>(06 11 16 00-0055)</small>		
06 11 16 00-0057 SF 2" x 4" Wood Wall Framing At 12" On Center.....	1.10	0.38
<i>For Up To 200, Add</i>	0.33	
<i>For &gt;200 To 500, Add</i>	0.17	
06 11 16 00-0058 SF 2" x 6" Wood Wall Framing At 12" On Center.....	1.52	0.49
<i>For Up To 200, Add</i>	0.45	
<i>For &gt;200 To 500, Add</i>	0.23	
06 11 16 00-0059 SF 2" x 8" Wood Wall Framing At 12" On Center.....	2.02	0.66
<i>For Up To 200, Add</i>	0.60	
<i>For &gt;200 To 500, Add</i>	0.30	
<b>06 11 16 00-0060 Wall Framing By The SF, 16" On Center</b> <small>(06 11 16 00-0055)</small>		
06 11 16 00-0061 SF 2" x 4" Wood Wall Framing At 16" On Center.....	0.90	0.31
<i>For Up To 200, Add</i>	0.27	
<i>For &gt;200 To 500, Add</i>	0.14	
06 11 16 00-0062 SF 2" x 6" Wood Wall Framing At 16" On Center.....	1.26	0.41
<i>For Up To 200, Add</i>	0.37	
<i>For &gt;200 To 500, Add</i>	0.19	
06 11 16 00-0063 SF 2" x 8" Wood Wall Framing At 16" On Center.....	1.68	0.55
<i>For Up To 200, Add</i>	0.50	
<i>For &gt;200 To 500, Add</i>	0.25	
<b>06 11 16 00-0064 Wall Framing By The SF, 24" On Center</b> <small>(06 11 16 00-0055)</small>		



**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 11 Wood Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0065 SF 2" x 4" Wood Wall Framing At 24" On Center..... <i>For Up To 200, Add</i> <i>For &gt;200 To 500, Add</i>	0.71 0.21 0.11	0.25
06 11 16 00-0066 SF 2" x 6" Wood Wall Framing At 24" On Center..... <i>For Up To 200, Add</i> <i>For &gt;200 To 500, Add</i>	0.99 0.29 0.15	0.32
06 11 16 00-0067 SF 2" x 8" Wood Wall Framing At 24" On Center..... <i>For Up To 200, Add</i> <i>For &gt;200 To 500, Add</i>	1.32 0.39 0.20	0.43
<b>06 11 16 00-0068 Sills And Plates</b> (06 11 16)		
<b>06 11 16 00-0069 Sills</b> (06 11 16 00-0068) Note: A horizontal member which rests on and is attached to the foundation.		
06 11 16 00-0070 LF 2" x 4" Wood Sill .....	1.27	0.60
06 11 16 00-0071 LF 2" x 6" Wood Sill .....	1.61	0.68
06 11 16 00-0072 LF 2" x 8" Wood Sill .....	1.99	0.76
06 11 16 00-0073 LF 2" x 4" Pressure Treated Wood Sill .....	1.68	0.60
06 11 16 00-0074 LF 2" x 6" Pressure Treated Wood Sill .....	2.30	0.68
06 11 16 00-0075 LF 2" x 8" Pressure Treated Wood Sill .....	2.95	0.76
<b>06 11 16 00-0076 Plates</b> (06 11 16 00-0068) Note: A horizontal member connecting and terminating studs, posts, joists, rafters, etc. such as the top and bottom plate on a stud framed partition wall.		
06 11 16 00-0077 LF 2" x 4" Wood Plate .....	1.27	0.60
06 11 16 00-0078 LF 2" x 6" Wood Plate .....	1.61	0.68
06 11 16 00-0079 LF 2" x 8" Wood Plate .....	1.98	0.76
06 11 16 00-0080 LF 2" x 4" Pressure Treated Wood Plate .....	1.68	0.60
06 11 16 00-0081 LF 2" x 6" Pressure Treated Wood Plate .....	2.30	0.68
06 11 16 00-0082 LF 2" x 8" Pressure Treated Wood Plate .....	2.94	0.76
<b>06 11 16 00-0083 Sills And Plates From Redwood</b> (06 11 16 00-0068)		
<b>06 11 16 00-0084 Construction Grade/Rough</b> (06 11 16 00-0083)		
06 11 16 00-0085 LF 2" x 6" Redwood, Construction Grade/Rough.....	2.82	0.68
06 11 16 00-0086 LF 2" x 8" Redwood, Construction Grade/Rough.....	3.90	0.76
06 11 16 00-0087 LF 2" x 10" Redwood, Construction Grade/Rough.....	4.77	0.83
06 11 16 00-0088 LF 2" x 12" Redwood, Construction Grade/Rough.....	5.76	0.92
<b>06 11 16 00-0089 Con Heart/Smooth</b> (06 11 16 00-0083)		
06 11 16 00-0090 LF 2" x 6" Redwood, Con Heart/Smooth.....	3.59	0.68
06 11 16 00-0091 LF 2" x 8" Redwood, Con Heart/Smooth.....	5.06	0.76
06 11 16 00-0092 LF 2" x 10" Redwood, Con Heart/Smooth.....	6.74	0.83
06 11 16 00-0093 LF 2" x 12" Redwood, Con Heart/Smooth.....	8.10	0.92
<b>06 11 16 00-0094 Suspended Ceiling Framing</b> (06 11 16)		
06 11 16 00-0095 LF 1" x 2" Wood Suspended Ceiling Framing .....	0.96	0.52
06 11 16 00-0096 LF 1" x 3" Wood Suspended Ceiling Framing .....	1.08	0.56
06 11 16 00-0097 LF 2" x 2" Wood Suspended Ceiling Framing .....	1.21	0.60
06 11 16 00-0098 LF 2" x 4" Wood Suspended Ceiling Framing .....	1.44	0.68
06 11 16 00-0099 LF 1" x 2" Pressure Treated Wood Suspended Ceiling Framing .....	1.26	0.52
06 11 16 00-0100 LF 1" x 3" Pressure Treated Wood Suspended Ceiling Framing .....	1.07	0.56
06 11 16 00-0101 LF 2" x 2" Pressure Treated Wood Suspended Ceiling Framing .....	1.58	0.60
06 11 16 00-0102 LF 2" x 4" Pressure Treated Wood Suspended Ceiling Framing .....	1.82	0.68
<b>06 11 16 00-0103 Posts And Girts</b> (06 11 16)		
<b>06 11 16 00-0104 Posts</b> (06 11 16 00-0103) Note: A vertical, upright framing member.		
06 11 16 00-0105 LF 4" x 4" Wood Post .....	1.88	0.76
06 11 16 00-0106 LF 4" x 5" Wood Post .....	2.16	0.88
06 11 16 00-0107 LF 4" x 6" Wood Post .....	2.37	0.96
06 11 16 00-0108 LF 6" x 6" Wood Post .....	2.66	1.04
06 11 16 00-0109 LF 8" x 8" Wood Post .....	2.93	1.08
06 11 16 00-0110 LF 10" x 10" Wood Post .....	3.22	1.24
06 11 16 00-0111 LF 4" x 4" Pressure Treated Wood Post .....	3.14	0.76
06 11 16 00-0112 LF 3" x 6" Pressure Treated Wood Post .....	3.59	0.96
06 11 16 00-0113 LF 4" x 6" Pressure Treated Wood Post .....	4.15	0.96
06 11 16 00-0114 LF 6" x 6" Pressure Treated Wood Post .....	5.67	1.04
<b>06 11 16 00-0115 Girts</b> (06 11 16 00-0103) Note: A horizontal member at intermediate level between columns, studs, or posts.		
06 11 16 00-0116 LF 2" x 4" Wood Girt .....	0.95	0.29
06 11 16 00-0117 LF 2" x 6" Wood Girt .....	1.24	0.32
06 11 16 00-0118 LF 2" x 8" Wood Girt .....	1.56	0.35



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0119 LF 2" x 10" Wood Girt.....	1.97	0.38
06 11 16 00-0120 LF 4" x 4" Wood Girt.....	1.79	0.58
06 11 16 00-0121 LF 4" x 5" Wood Girt.....	2.08	0.65
06 11 16 00-0122 LF 4" x 6" Wood Girt.....	2.35	0.72
06 11 16 00-0123 LF 6" x 6" Wood Girt.....	2.65	0.79
06 11 16 00-0124 LF 8" x 8" Wood Girt.....	2.92	0.87
06 11 16 00-0125 LF 10" x 10" Wood Girt.....	3.21	0.94
06 11 16 00-0126 LF 2" x 4" Pressure Treated Wood Girt.....	1.36	0.29
06 11 16 00-0127 LF 2" x 6" Pressure Treated Wood Girt.....	1.93	0.32
06 11 16 00-0128 LF 2" x 8" Pressure Treated Wood Girt.....	2.52	0.35
06 11 16 00-0129 LF 2" x 10" Pressure Treated Wood Girt.....	3.03	0.38
06 11 16 00-0130 LF 4" x 4" Pressure Treated Wood Girt.....	3.14	0.58
06 11 16 00-0131 LF 3" x 6" Pressure Treated Wood Girt.....	3.59	0.72
06 11 16 00-0132 LF 4" x 6" Pressure Treated Wood Girt.....	4.15	0.72
06 11 16 00-0133 LF 6" x 6" Pressure Treated Wood Girt.....	5.67	0.79
<b>06 11 16 00-0134 Stair Stringers</b> (06 11 16)		
06 11 16 00-0135 LF 2" x 10" Wood Stair Stringer.....	3.57	1.60
06 11 16 00-0136 LF 2" x 12" Wood Stair Stringer.....	4.27	1.88
06 11 16 00-0137 LF 2" x 10" Pressure Treated Wood Stair Stringer.....	4.66	1.60
06 11 16 00-0138 LF 2" x 12" Pressure Treated Wood Stair Stringer.....	5.75	1.88
<b>06 11 16 00-0139 Blocking</b> (06 11 16)		
<b>06 11 16 00-0140 Blocking</b> (06 11 16 00-0139)		
<b>06 11 16 00-0141 Blocking To Wood</b> (06 11 16 00-0140)		
06 11 16 00-0142 LF 2" x 4" Pressure Treated Wood Blocking To Wood.....	3.04	0.96
06 11 16 00-0143 LF 2" x 6" Pressure Treated Wood Blocking To Wood.....	3.99	1.05
06 11 16 00-0144 LF 2" x 8" Pressure Treated Wood Blocking To Wood.....	4.75	1.15
06 11 16 00-0145 LF 4" x 4" Pressure Treated Wood Blocking To Wood.....	5.81	1.28
06 11 16 00-0146 LF 4" x 6" Pressure Treated Wood Blocking To Wood.....	6.14	1.40
06 11 16 00-0147 LF 2" x 4" Wood Blocking To Wood.....	2.28	0.96
06 11 16 00-0148 LF 2" x 6" Wood Blocking To Wood.....	2.72	1.05
06 11 16 00-0149 LF 2" x 8" Wood Blocking To Wood.....	3.19	1.15
06 11 16 00-0150 LF 4" x 4" Wood Blocking To Wood.....	3.29	1.28
06 11 16 00-0151 LF 4" x 6" Wood Blocking To Wood.....	3.75	1.40
<b>06 11 16 00-0152 Blocking To Steel</b> (06 11 16 00-0140)		
06 11 16 00-0153 LF 2" x 4" Pressure Treated Wood Blocking To Steel.....	3.44	1.10
06 11 16 00-0154 LF 2" x 6" Pressure Treated Wood Blocking To Steel.....	4.49	1.21
06 11 16 00-0155 LF 2" x 8" Pressure Treated Wood Blocking To Steel.....	5.34	1.33
06 11 16 00-0156 LF 2" x 4" Wood Blocking To Steel.....	2.60	1.10
06 11 16 00-0157 LF 2" x 6" Wood Blocking To Steel.....	3.09	1.21
06 11 16 00-0158 LF 2" x 8" Wood Blocking To Steel.....	3.62	1.33
<b>06 11 16 00-0159 Blocking To Concrete</b> (06 11 16 00-0140)		
06 11 16 00-0160 LF 2" x 4" Pressure Treated Wood Blocking To Concrete.....	3.44	1.10
06 11 16 00-0161 LF 2" x 6" Pressure Treated Wood Blocking To Concrete.....	4.49	1.21
06 11 16 00-0162 LF 2" x 8" Pressure Treated Wood Blocking To Concrete.....	5.34	1.33
06 11 16 00-0163 LF 2" x 4" Wood Blocking To Concrete.....	2.60	1.10
06 11 16 00-0164 LF 2" x 6" Wood Blocking To Concrete.....	3.09	1.21
06 11 16 00-0165 LF 2" x 8" Wood Blocking To Concrete.....	3.62	1.33
<b>06 11 16 00-0166 Pressure Treated Lattice</b> (06 11 16 00-0139)		
06 11 16 00-0167 SF 3/4" Thick Pressure Treated Wood Lattice.....	3.75	0.83
<b>06 11 16 00-0168 Roofing Nailers</b> (06 11 16)		
06 11 16 00-0169 LF 2" x 4" Pressure Treated Lumber, For Roofing Nailers.....	1.70	0.32
06 11 16 00-0170 LF 2" x 6" Pressure Treated Lumber, For Roofing Nailers.....	2.26	0.34
06 11 16 00-0171 LF 2" x 8" Pressure Treated Lumber, For Roofing Nailers.....	2.83	0.36
<b>06 11 16 00-0172 Roofing Sleepers</b> (06 11 16)		
06 11 16 00-0173 LF 2" x 4" Pressure Treated Lumber, For Roofing Sleepers.....	1.08	
06 11 16 00-0174 LF 4" x 4" Pressure Treated Lumber, For Roofing Sleepers.....	2.58	
06 11 16 00-0175 LF 4" x 6" Pressure Treated Lumber, For Roofing Sleepers.....	3.44	
06 11 16 00-0176 LF 6" x 6" Pressure Treated Lumber, For Roofing Sleepers.....	4.87	
<b>06 11 16 00-0177 Canopy Framing, Bridging, And Furring</b> (06 11 16)		
<b>06 11 16 00-0178 Wood And Steel Bridging</b> (06 11 16 00-0177)		
<b>06 11 16 00-0179 Wood Bridging</b> (06 11 16 00-0178)		

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 11 Wood Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0180	EA		1 Pair Wood Bridging, 1" x 3" Cross Type ..... Note: For joists spaced at 16" on center.	3.39	1.40
06 11 16 00-0181	EA		1 Pair Wood Bridging, 2" x 3" Cross Type ..... Note: For joists spaced at 16" on center.	3.59	1.40
<b>06 11 16 00-0182</b>			<b>Steel Bridging</b> <small>(06 11 16 00-0178)</small>		
06 11 16 00-0183	EA		1 Pair Steel Bridging, Wood Joists At 16" On Center.....	4.55	1.40
06 11 16 00-0184	EA		1 Pair Steel Bridging, Wood Joists At 24" On Center.....	4.53	1.40
<b>06 11 16 00-0185</b>			<b>Light Framing, Trim And Furring</b> <small>(06 11 16 00-0177)</small>		
<b>06 11 16 00-0186</b>			<b>Pine/Spruce/Fir Light Framing, Trim And Furring</b> <small>(06 11 16 00-0185)</small>		
06 11 16 00-0187	LF		1" x 1" Pine/Spruce/Fir Light Framing, Trim And Furring .....	0.77	0.33
06 11 16 00-0188	LF		1" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring .....	0.89	0.36
06 11 16 00-0189	LF		1" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring .....	1.06	0.39
06 11 16 00-0190	LF		1" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring .....	1.19	0.43
06 11 16 00-0191	LF		1" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring .....	1.33	0.47
06 11 16 00-0192	LF		1" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring .....	1.47	0.53
06 11 16 00-0193	LF		2" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring .....	1.20	0.43
06 11 16 00-0194	LF		2" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring .....	1.36	0.47
06 11 16 00-0195	LF		2" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring .....	1.66	0.53
06 11 16 00-0196	LF		2" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring .....	2.02	0.58
06 11 16 00-0197	LF		2" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring .....	2.49	0.64
<b>06 11 16 00-0198</b>			<b>Cedar Light Framing, Trim And Furring</b> <small>(06 11 16 00-0185)</small>		
06 11 16 00-0199	LF		1" x 1" Cedar Light Framing, Trim And Furring .....	0.79	0.33
06 11 16 00-0200	LF		1" x 2" Cedar Light Framing, Trim And Furring .....	0.99	0.36
06 11 16 00-0201	LF		1" x 4" Cedar Light Framing, Trim And Furring .....	1.45	0.39
06 11 16 00-0202	LF		1" x 6" Cedar Light Framing, Trim And Furring .....	1.86	0.43
06 11 16 00-0203	LF		1" x 8" Cedar Light Framing, Trim And Furring .....	3.09	0.47
06 11 16 00-0204	LF		1" x 10" Cedar Light Framing, Trim And Furring .....	3.71	0.53
06 11 16 00-0205	LF		2" x 2" Cedar Light Framing, Trim And Furring .....	1.46	0.43
06 11 16 00-0206	LF		2" x 4" Cedar Light Framing, Trim And Furring .....	1.74	0.47
<b>06 11 16 00-0207</b>			<b>Oak Light Framing, Trim And Furring</b> <small>(06 11 16 00-0185)</small>		
06 11 16 00-0208	LF		1" x 1" Oak Light Framing, Trim And Furring .....	0.80	0.33
06 11 16 00-0209	LF		1" x 2" Oak Light Framing, Trim And Furring .....	1.00	0.36
06 11 16 00-0210	LF		1" x 4" Oak Light Framing, Trim And Furring .....	1.35	0.39
06 11 16 00-0211	LF		1" x 6" Oak Light Framing, Trim And Furring .....	1.71	0.43
06 11 16 00-0212	LF		1" x 8" Oak Light Framing, Trim And Furring .....	2.08	0.47
06 11 16 00-0213	LF		1" x 10" Oak Light Framing, Trim And Furring .....	2.45	0.53
06 11 16 00-0214	LF		2" x 2" Oak Light Framing, Trim And Furring .....	1.43	0.43
06 11 16 00-0215	LF		2" x 4" Oak Light Framing, Trim And Furring .....	2.09	0.47
<b>06 11 16 00-0216</b>			<b>Redwood Light Framing, Trim And Furring</b> <small>(06 11 16 00-0185)</small>		
06 11 16 00-0217	LF		1" x 1" Redwood Light Framing, Trim And Furring.....	0.76	0.33
06 11 16 00-0218	LF		1" x 2" Redwood Light Framing, Trim And Furring.....	0.93	0.36
06 11 16 00-0219	LF		1" x 4" Redwood Light Framing, Trim And Furring.....	1.22	0.39
06 11 16 00-0220	LF		1" x 6" Redwood Light Framing, Trim And Furring.....	1.55	0.43
06 11 16 00-0221	LF		1" x 8" Redwood Light Framing, Trim And Furring.....	1.91	0.47
06 11 16 00-0222	LF		1" x 10" Redwood Light Framing, Trim And Furring.....	2.29	0.53
06 11 16 00-0223	LF		2" x 2" Redwood Light Framing, Trim And Furring.....	1.56	0.43
06 11 16 00-0224	LF		2" x 4" Redwood Light Framing, Trim And Furring.....	1.92	0.47
<b>06 11 16 00-0225</b>			<b>Poplar Light Framing, Trim And Furring</b> <small>(06 11 16 00-0185)</small>		
06 11 16 00-0226	LF		1" x 1" Poplar Light Framing, Trim And Furring.....	1.00	0.33
06 11 16 00-0227	LF		1" x 2" Poplar Light Framing, Trim And Furring.....	1.30	0.36
06 11 16 00-0228	LF		1" x 4" Poplar Light Framing, Trim And Furring.....	1.74	0.39
06 11 16 00-0229	LF		1" x 6" Poplar Light Framing, Trim And Furring.....	2.36	0.43
06 11 16 00-0230	LF		1" x 8" Poplar Light Framing, Trim And Furring.....	2.80	0.47
06 11 16 00-0231	LF		1" x 10" Poplar Light Framing, Trim And Furring.....	3.89	0.53
06 11 16 00-0232	LF		1" x 12" Poplar Light Framing, Trim And Furring.....	4.29	0.53
06 11 16 00-0233	LF		2" x 2" Poplar Light Framing, Trim And Furring.....	3.37	0.43
06 11 16 00-0234	LF		2" x 4" Poplar Light Framing, Trim And Furring.....	3.80	0.47
06 11 16 00-0235	LF		2" x 6" Poplar Light Framing, Trim And Furring.....	5.30	0.53
<b>06 11 16 00-0236</b>			<b>Maple Light Framing, Trim And Furring</b> <small>(06 11 16 00-0185)</small>		
06 11 16 00-0237	LF		1" x 4" Maple Light Framing, Trim And Furring .....	2.77	0.39
06 11 16 00-0238	LF		1" x 6" Maple Light Framing, Trim And Furring .....	3.95	0.43
06 11 16 00-0239	LF		1" x 8" Maple Light Framing, Trim And Furring .....	5.16	0.47

**06 13 Heavy Timber Construction** (06 10)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**06 13 23 Heavy Timber Framing (06 13)**

06 13 23 00-0001	LF	Heavy Timber Framing (06 13 23) Note: Excludes fasteners.		
06 13 23 00-0002	LF	Heavy Timber Beams (06 13 23 00-0001)		
06 13 23 00-0003	LF	Pine, Heavy Timber Beams (06 13 23 00-0002)		
06 13 23 00-0004	LF	4" x 4", Pine, Heavy Timber Beam.....	3.05	0.71
06 13 23 00-0005	LF	4" x 6", Pine, Heavy Timber Beam.....	3.93	0.74
06 13 23 00-0006	LF	4" x 8", Pine, Heavy Timber Beam.....	4.82	0.77
06 13 23 00-0007	LF	4" x 10", Pine, Heavy Timber Beam.....	6.61	0.81
06 13 23 00-0008	LF	4" x 12", Pine, Heavy Timber Beam.....	8.06	0.87
06 13 23 00-0009	LF	6" x 6", Pine, Heavy Timber Beam.....	5.28	0.79
06 13 23 00-0010	LF	6" x 8", Pine, Heavy Timber Beam.....	6.57	0.83
06 13 23 00-0011	LF	6" x 10", Pine, Heavy Timber Beam.....	9.25	0.90
06 13 23 00-0012	LF	6" x 12", Pine, Heavy Timber Beam.....	11.31	0.92
06 13 23 00-0013	LF	8" x 8", Pine, Heavy Timber Beam.....	8.28	0.87
06 13 23 00-0014	LF	8" x 10", Pine, Heavy Timber Beam.....	11.74	0.90
06 13 23 00-0015	LF	8" x 12", Pine, Heavy Timber Beam.....	14.52	0.92
06 13 23 00-0016	LF	10" x 10", Pine, Heavy Timber Beam.....	14.32	0.92
06 13 23 00-0017	LF	10" x 12", Pine, Heavy Timber Beam.....	17.81	1.00
06 13 23 00-0018	LF	12" x 12", Pine, Heavy Timber Beam.....	21.16	1.09

**06 13 23 00-0019 Douglas Fir, Heavy Timber Beams (06 13 23 00-0002)**

06 13 23 00-0020	LF	4" x 4", Douglas Fir, Heavy Timber Beam.....	3.22	0.71
06 13 23 00-0021	LF	4" x 6", Douglas Fir, Heavy Timber Beam.....	4.17	0.74
06 13 23 00-0022	LF	4" x 8", Douglas Fir, Heavy Timber Beam.....	5.15	0.77
06 13 23 00-0023	LF	4" x 10", Douglas Fir, Heavy Timber Beam.....	7.11	0.81
06 13 23 00-0024	LF	4" x 12", Douglas Fir, Heavy Timber Beam.....	8.68	0.87
06 13 23 00-0025	LF	6" x 6", Douglas Fir, Heavy Timber Beam.....	5.64	0.79
06 13 23 00-0026	LF	6" x 8", Douglas Fir, Heavy Timber Beam.....	7.05	0.83
06 13 23 00-0027	LF	6" x 10", Douglas Fir, Heavy Timber Beam.....	9.99	0.90
06 13 23 00-0028	LF	6" x 12", Douglas Fir, Heavy Timber Beam.....	12.26	0.92
06 13 23 00-0029	LF	8" x 8", Douglas Fir, Heavy Timber Beam.....	8.94	0.87
06 13 23 00-0030	LF	8" x 10", Douglas Fir, Heavy Timber Beam.....	12.73	0.90
06 13 23 00-0031	LF	8" x 12", Douglas Fir, Heavy Timber Beam.....	15.78	0.92
06 13 23 00-0032	LF	10" x 10", Douglas Fir, Heavy Timber Beam.....	15.55	0.92
06 13 23 00-0033	LF	10" x 12", Douglas Fir, Heavy Timber Beam.....	19.37	1.00
06 13 23 00-0034	LF	12" x 12", Douglas Fir, Heavy Timber Beam.....	23.05	1.09

**06 13 23 00-0035 Pressure Treated, Heavy Timber Beams (06 13 23 00-0002)**

06 13 23 00-0036	LF	4" x 4", Pressure Treated, Heavy Timber Beam.....	4.31	0.71
06 13 23 00-0037	LF	4" x 6", Pressure Treated, Heavy Timber Beam.....	6.09	0.74
06 13 23 00-0038	LF	4" x 8", Pressure Treated, Heavy Timber Beam.....	7.63	0.77
06 13 23 00-0039	LF	4" x 10", Pressure Treated, Heavy Timber Beam.....	10.88	0.81
06 13 23 00-0040	LF	4" x 12", Pressure Treated, Heavy Timber Beam.....	13.46	0.87
06 13 23 00-0041	LF	6" x 6", Pressure Treated, Heavy Timber Beam.....	9.38	0.79
06 13 23 00-0042	LF	6" x 8", Pressure Treated, Heavy Timber Beam.....	12.08	0.83
06 13 23 00-0043	LF	6" x 10", Pressure Treated, Heavy Timber Beam.....	14.86	0.90
06 13 23 00-0044	LF	6" x 12", Pressure Treated, Heavy Timber Beam.....	18.99	0.92
06 13 23 00-0045	LF	8" x 8", Pressure Treated, Heavy Timber Beam.....	19.41	0.87
06 13 23 00-0046	LF	8" x 10", Pressure Treated, Heavy Timber Beam.....	23.01	0.90
06 13 23 00-0047	LF	8" x 12", Pressure Treated, Heavy Timber Beam.....	27.62	0.92
06 13 23 00-0048	LF	10" x 10", Pressure Treated, Heavy Timber Beam.....	27.75	0.92
06 13 23 00-0049	LF	10" x 12", Pressure Treated, Heavy Timber Beam.....	37.71	1.00
06 13 23 00-0050	LF	12" x 12", Pressure Treated, Heavy Timber Beam.....	45.07	1.09

**06 13 23 00-0051 Heavy Timber Columns (06 13 23 00-0001)**

06 13 23 00-0052	LF	Pine, Heavy Timber Columns (06 13 23 00-0051)		
06 13 23 00-0053	LF	4" x 4", Pine, Heavy Timber Column.....	2.38	0.37
06 13 23 00-0054	LF	4" x 6", Pine, Heavy Timber Column.....	3.24	0.39
06 13 23 00-0055	LF	4" x 8", Pine, Heavy Timber Column.....	4.08	0.40
06 13 23 00-0056	LF	4" x 10", Pine, Heavy Timber Column.....	5.84	0.43
06 13 23 00-0057	LF	4" x 12", Pine, Heavy Timber Column.....	7.25	0.45
06 13 23 00-0058	LF	6" x 6", Pine, Heavy Timber Column.....	4.52	0.41
06 13 23 00-0059	LF	6" x 8", Pine, Heavy Timber Column.....	5.79	0.43
06 13 23 00-0060	LF	6" x 10", Pine, Heavy Timber Column.....	8.41	0.47
06 13 23 00-0061	LF	6" x 12", Pine, Heavy Timber Column.....	10.45	0.48
06 13 23 00-0062	LF	8" x 8", Pine, Heavy Timber Column.....	7.47	0.45
06 13 23 00-0063	LF	8" x 10", Pine, Heavy Timber Column.....	10.90	0.47
06 13 23 00-0064	LF	8" x 12", Pine, Heavy Timber Column.....	13.63	0.49
06 13 23 00-0065	LF	10" x 10", Pine, Heavy Timber Column.....	13.43	0.49
06 13 23 00-0066	LF	10" x 12", Pine, Heavy Timber Column.....	16.86	0.53
06 13 23 00-0067	LF	12" x 12", Pine, Heavy Timber Column.....	20.11	0.58

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 13 Heavy Timber Construction**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

06 13 23 00-0068 Douglas Fir, Heavy Timber Columns (06 13 23 00-0051)			
06 13 23 00-0069	LF	4" x 4", Douglas Fir, Heavy Timber Column.....	2.55 0.37
06 13 23 00-0070	LF	4" x 6", Douglas Fir, Heavy Timber Column.....	3.48 0.39
06 13 23 00-0071	LF	4" x 8", Douglas Fir, Heavy Timber Column.....	4.41 0.40
06 13 23 00-0072	LF	4" x 10", Douglas Fir, Heavy Timber Column.....	6.34 0.43
06 13 23 00-0073	LF	4" x 12", Douglas Fir, Heavy Timber Column.....	7.87 0.45
06 13 23 00-0074	LF	6" x 6", Douglas Fir, Heavy Timber Column.....	4.88 0.41
06 13 23 00-0075	LF	6" x 8", Douglas Fir, Heavy Timber Column.....	6.27 0.43
06 13 23 00-0076	LF	6" x 10", Douglas Fir, Heavy Timber Column.....	9.15 0.47
06 13 23 00-0077	LF	6" x 12", Douglas Fir, Heavy Timber Column.....	11.40 0.48
06 13 23 00-0078	LF	8" x 8", Douglas Fir, Heavy Timber Column.....	8.13 0.45
06 13 23 00-0079	LF	8" x 10", Douglas Fir, Heavy Timber Column.....	11.89 0.47
06 13 23 00-0080	LF	8" x 12", Douglas Fir, Heavy Timber Column.....	14.89 0.49
06 13 23 00-0081	LF	10" x 10", Douglas Fir, Heavy Timber Column.....	14.66 0.49
06 13 23 00-0082	LF	10" x 12", Douglas Fir, Heavy Timber Column.....	18.42 0.53
06 13 23 00-0083	LF	12" x 12", Douglas Fir, Heavy Timber Column.....	22.00 0.58

06 13 23 00-0084 Pressure Treated, Heavy Timber Columns (06 13 23 00-0051)			
06 13 23 00-0085	LF	4" x 4", Pressure Treated, Heavy Timber Column.....	3.64 0.37
06 13 23 00-0086	LF	4" x 6", Pressure Treated, Heavy Timber Column.....	5.40 0.39
06 13 23 00-0087	LF	4" x 8", Pressure Treated, Heavy Timber Column.....	6.89 0.40
06 13 23 00-0088	LF	4" x 10", Pressure Treated, Heavy Timber Column.....	10.11 0.43
06 13 23 00-0089	LF	4" x 12", Pressure Treated, Heavy Timber Column.....	12.65 0.45
06 13 23 00-0090	LF	6" x 6", Pressure Treated, Heavy Timber Column.....	8.62 0.41
06 13 23 00-0091	LF	6" x 8", Pressure Treated, Heavy Timber Column.....	11.30 0.43
06 13 23 00-0092	LF	6" x 10", Pressure Treated, Heavy Timber Column.....	14.02 0.47
06 13 23 00-0093	LF	6" x 12", Pressure Treated, Heavy Timber Column.....	18.13 0.48
06 13 23 00-0094	LF	8" x 8", Pressure Treated, Heavy Timber Column.....	18.60 0.45
06 13 23 00-0095	LF	8" x 10", Pressure Treated, Heavy Timber Column.....	22.17 0.47
06 13 23 00-0096	LF	8" x 12", Pressure Treated, Heavy Timber Column.....	26.73 0.49
06 13 23 00-0097	LF	10" x 10", Pressure Treated, Heavy Timber Column.....	26.86 0.49
06 13 23 00-0098	LF	10" x 12", Pressure Treated, Heavy Timber Column.....	36.76 0.53
06 13 23 00-0099	LF	12" x 12", Pressure Treated, Heavy Timber Column.....	44.02 0.58

**06 15 Wood Decking (06 10)****06 15 13 Wood Floor Decking (06 15)**

06 15 13 00-0001 Wood Deck Systems (06 15 13)			
Note: Includes the deck, joists, girders, posts 8' on-center, pickets and railing.			
06 15 13 00-0002 Pressure Treated Wood Deck System (06 15 13 00-0001)			
06 15 13 00-0003 2" x 8" Joists At 16" On Center, Pressure Treated Wood Deck System (06 15 13 00-0002)			
06 15 13 00-0004	SF	5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	17.15 3.05
06 15 13 00-0005	SF	5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	16.82 2.90
06 15 13 00-0006	SF	2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	17.94 3.13
06 15 13 00-0007	SF	2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	17.63 2.98

06 15 13 00-0008 2" x 10" Joists At 16" On Center, Pressure Treated Wood Deck System (06 15 13 00-0002)			
06 15 13 00-0009	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	17.85 3.13
06 15 13 00-0010	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	17.49 2.97
06 15 13 00-0011	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	18.64 3.20
06 15 13 00-0012	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center.....	18.32 3.04

06 15 13 00-0013 2" x 10" Joists At 24" On Center, Pressure Treated Wood Deck System (06 15 13 00-0002)			
06 15 13 00-0014	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	17.15 3.05
06 15 13 00-0015	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	16.82 2.90
06 15 13 00-0016	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	17.94 3.13
06 15 13 00-0017	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System.....	17.63 2.98

06 15 13 00-0018 Redwood With Pressure Treated Joists, Wood Deck System (06 15 13 00-0001)			
06 15 13 00-0019 2" x 8" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System (06 15 13 00-0018)			
06 15 13 00-0020	SF	5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	19.12 3.05
06 15 13 00-0021	SF	5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	18.88 2.73
06 15 13 00-0022	SF	2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	20.40 3.13
06 15 13 00-0023	SF	2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System.....	19.94 2.98

06 15 13 00-0024 2" x 10" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System (06 15 13 00-0018)			
06 15 13 00-0025	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System.....	20.93 3.13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0026 SF 5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System .....	20.66	2.97
06 15 13 00-0027 SF 2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System .....	22.32	3.20
06 15 13 00-0028 SF 2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System .....	21.88	3.04
<b>06 15 13 00-0029 2" x 10" Joists At 24" On Center, Redwood With Pressure Treated Joists, Wood Deck System</b> <small>(06 15 13 00-0018)</small>		
06 15 13 00-0030 SF 5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System .....	19.91	3.05
06 15 13 00-0031 SF 5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System .....	19.66	2.90
06 15 13 00-0032 SF 2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System .....	21.23	3.13
06 15 13 00-0033 SF 2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System .....	21.41	2.98
<b>06 15 13 00-0034 Cypress With Pressure Treated Joists, Wood Deck System</b> <small>(06 15 13 00-0001)</small>		
<b>06 15 13 00-0035 2" x 8" Joists At 16" On Center, Cypress With Pressure Treated Joists, Wood Deck System</b> <small>(06 15 13 00-0034)</small>		
06 15 13 00-0036 SF 5/4" x 4" Cypress Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System .....	18.23	3.05
06 15 13 00-0037 SF 5/4" x 6" Cypress Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System .....	17.95	2.90
06 15 13 00-0038 SF 2" x 4" Cypress Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System .....	19.40	3.13
06 15 13 00-0039 SF 2" x 6" Cypress Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System .....	18.92	2.98
<b>06 15 13 00-0040 2" x 10" Joists At 16" On Center, Cypress With Pressure Treated Joists, Wood Deck System</b> <small>(06 15 13 00-0034)</small>		
06 15 13 00-0041 SF 5/4" x 4" Cypress Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System .....	19.86	3.13
06 15 13 00-0042 SF 5/4" x 6" Cypress Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System .....	19.55	2.97
06 15 13 00-0043 SF 2" x 4" Cypress Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System .....	21.13	3.20
06 15 13 00-0044 SF 2" x 6" Cypress Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System .....	21.02	3.04
<b>06 15 13 00-0045 2" x 10" Joists At 24" On Center, Cypress With Pressure Treated Joists, Wood Deck System</b> <small>(06 15 13 00-0034)</small>		
06 15 13 00-0046 SF 5/4" x 4" Cypress Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System .....	19.53	3.05
06 15 13 00-0047 SF 5/4" x 6" Cypress Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System .....	18.64	2.90
06 15 13 00-0048 SF 2" x 4" Cypress Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System .....	20.15	3.13
06 15 13 00-0049 SF 2" x 6" Cypress Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System .....	20.02	2.98
<b>06 15 13 00-0050 Cedar With Pressure Treated Joists Wood Deck System</b> <small>(06 15 13 00-0001)</small>		
<b>06 15 13 00-0051 2" x 8" Joists At 16" On Center, Cedar With Pressure Treated Joists, Wood Deck System</b> <small>(06 15 13 00-0050)</small>		
06 15 13 00-0052 SF 5/4" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System .....	17.86	3.05
06 15 13 00-0053 SF 5/4" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System .....	17.56	2.90
06 15 13 00-0054 SF 2" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System .....	18.71	3.13
06 15 13 00-0055 SF 2" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System .....	18.43	2.98
<b>06 15 13 00-0056 2" x 10" Joists At 16" On Center, Cedar With Pressure Treated Joists, Wood Deck System</b> <small>(06 15 13 00-0050)</small>		
06 15 13 00-0057 SF 5/4" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System .....	18.61	3.13
06 15 13 00-0058 SF 5/4" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System .....	18.60	2.97
06 15 13 00-0059 SF 2" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System .....	19.46	3.20
06 15 13 00-0060 SF 2" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System .....	19.22	3.04
<b>06 15 13 00-0061 2" x 10" Joists At 24" On Center, Cedar With Pressure Treated Joists, Wood Deck System</b> <small>(06 15 13 00-0050)</small>		
06 15 13 00-0062 SF 5/4" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System .....	18.31	3.05
06 15 13 00-0063 SF 5/4" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System .....	18.00	2.90
06 15 13 00-0064 SF 2" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System .....	19.17	3.13
06 15 13 00-0065 SF 2" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System .....	18.89	2.98
<b>06 15 13 00-0066 Wood Ramp Systems</b> <small>(06 15 13)</small>		
Note: Includes the decking, joists, girders, posts at corners and along ramp, pickets and railing.		
<b>06 15 13 00-0067 Pressure Treated Wood Ramp System</b> <small>(06 15 13 00-0066)</small>		
<b>06 15 13 00-0068 2" x 6" Joists, Pressure Treated Wood Ramp System</b> <small>(06 15 13 00-0067)</small>		
06 15 13 00-0069 SF 5/4" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	19.33	2.98
06 15 13 00-0070 SF 5/4" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	18.86	2.82
06 15 13 00-0071 SF 2" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	20.14	3.05
06 15 13 00-0072 SF 2" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	19.69	2.90
<b>06 15 13 00-0073 2" x 8" Joists, Pressure Treated Wood Ramp System</b> <small>(06 15 13 00-0067)</small>		
06 15 13 00-0074 SF 5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	20.02	3.05

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 15 Wood Decking**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0075	SF		5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	19.55	2.90
06 15 13 00-0076	SF		2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	20.88	3.13
06 15 13 00-0077	SF		2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	20.43	2.98
<b>06 15 13 00-0078</b>			<b>2" x 10" Joists, Pressure Treated Wood Ramp System</b> <small>(06 15 13 00-0067)</small>		
06 15 13 00-0079	SF		5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	20.77	3.13
06 15 13 00-0080	SF		5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	20.30	2.97
06 15 13 00-0081	SF		2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	21.65	3.20
06 15 13 00-0082	SF		2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	21.19	3.04
<b>06 15 13 00-0083</b>			<b>Redwood With Pressure Treated Joists, Wood Ramp System</b> <small>(06 15 13 00-0066)</small>		
<b>06 15 13 00-0084</b>			<b>2" x 6" Joists, Redwood With Pressure Treated Joists, Wood Ramp System</b>		
			<small>(06 15 13 00-0083)</small>		
06 15 13 00-0085	SF		5/4" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	21.18	2.98
06 15 13 00-0086	SF		5/4" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	20.79	2.82
06 15 13 00-0087	SF		2" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	22.45	3.05
06 15 13 00-0088	SF		2" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	21.87	2.90
<b>06 15 13 00-0089</b>			<b>2" x 8" Joists, Redwood With Pressure Treated Joists, Wood Ramp System</b>		
			<small>(06 15 13 00-0083)</small>		
06 15 13 00-0090	SF		5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	21.99	3.05
06 15 13 00-0091	SF		5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	21.61	2.90
06 15 13 00-0092	SF		2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	23.34	3.13
06 15 13 00-0093	SF		2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	22.74	2.98
<b>06 15 13 00-0094</b>			<b>2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Ramp System</b>		
			<small>(06 15 13 00-0083)</small>		
06 15 13 00-0095	SF		5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	23.86	3.13
06 15 13 00-0096	SF		5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	23.47	2.97
06 15 13 00-0097	SF		2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	25.34	3.20
06 15 13 00-0098	SF		2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	25.15	3.04
<b>06 15 13 00-0099</b>			<b>Cypress With Pressure Treated Joists, Wood Ramp System</b> <small>(06 15 13 00-0066)</small>		
<b>06 15 13 00-0100</b>			<b>2" x 6" Joists, Cypress With Pressure Treated Joists, Wood Ramp System</b>		
			<small>(06 15 13 00-0099)</small>		
06 15 13 00-0101	SF		5/4" x 4" Cypress Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	20.34	2.98
06 15 13 00-0102	SF		5/4" x 6" Cypress Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	19.92	2.82
06 15 13 00-0103	SF		2" x 4" Cypress Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	21.51	3.05
06 15 13 00-0104	SF		2" x 6" Cypress Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	20.91	2.90
<b>06 15 13 00-0105</b>			<b>2" x 8" Joists, Cypress With Pressure Treated Joists, Wood Ramp System</b>		
			<small>(06 15 13 00-0099)</small>		
06 15 13 00-0106	SF		5/4" x 4" Cypress Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	21.10	3.05
06 15 13 00-0107	SF		5/4" x 6" Cypress Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	20.68	2.90
06 15 13 00-0108	SF		2" x 4" Cypress Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	22.34	3.13
06 15 13 00-0109	SF		2" x 6" Cypress Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	21.72	2.98
<b>06 15 13 00-0110</b>			<b>2" x 10" Joists, Cypress With Pressure Treated Joists, Wood Ramp System</b>		
			<small>(06 15 13 00-0099)</small>		
06 15 13 00-0111	SF		5/4" x 4" Cypress Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	22.73	3.13
06 15 13 00-0112	SF		5/4" x 6" Cypress Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	22.36	2.97
06 15 13 00-0113	SF		2" x 4" Cypress Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	24.14	3.20
06 15 13 00-0114	SF		2" x 6" Cypress Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System .....	23.89	3.04
<b>06 15 13 00-0115</b>			<b>Cedar With Pressure Treated Joists, Wood Ramp System</b> <small>(06 15 13 00-0066)</small>		
<b>06 15 13 00-0116</b>			<b>2" x 6" Joists, Cedar With Pressure Treated Joists, Wood Ramp System</b> <small>(06 15 13 00-0115)</small>		
			<small>(06 15 13 00-0115)</small>		
06 15 13 00-0117	SF		5/4" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	19.99	2.98
06 15 13 00-0118	SF		5/4" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	19.54	2.82
06 15 13 00-0119	SF		2" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	20.85	3.05
06 15 13 00-0120	SF		2" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System .....	20.43	2.90
<b>06 15 13 00-0121</b>			<b>2" x 8" Joists, Cedar With Pressure Treated Joists, Wood Ramp System</b> <small>(06 15 13 00-0115)</small>		
			<small>(06 15 13 00-0115)</small>		
06 15 13 00-0122	SF		5/4" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	20.72	3.05
06 15 13 00-0123	SF		5/4" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	20.28	2.90
06 15 13 00-0124	SF		2" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	21.64	3.13
06 15 13 00-0125	SF		2" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System .....	21.22	2.98
<b>06 15 13 00-0126</b>			<b>2" x 10" Joists, Cedar With Pressure Treated Joists, Wood Ramp System</b> <small>(06 15 13 00-0115)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0127 SF 5/4" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	21.52	3.13
06 15 13 00-0128 SF 5/4" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	21.07	2.97
06 15 13 00-0129 SF 2" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	22.45	3.20
06 15 13 00-0130 SF 2" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System.....	22.02	3.04
<b>06 15 13 00-0131 Wood Stair Systems</b> <small>(06 15 13)</small>		
Note: Includes the decking, joists, girders, posts at corners and along stairs, pickets and railing.		
<b>06 15 13 00-0132 Pressure Treated Wood Stair System</b> <small>(06 15 13 00-0131)</small>		
<b>06 15 13 00-0133 2" x 10" Joists, Pressure Treated Wood Stair System</b> <small>(06 15 13 00-0132)</small>		
06 15 13 00-0134 RSR 3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	56.25	7.32
06 15 13 00-0135 RSR 3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	55.79	6.95
06 15 13 00-0136 RSR 3' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	58.17	7.50
06 15 13 00-0137 RSR 3' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	57.30	7.13
06 15 13 00-0138 RSR 3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	59.06	7.69
06 15 13 00-0139 RSR 3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	58.58	7.30
06 15 13 00-0140 RSR 3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	61.08	7.88
06 15 13 00-0141 RSR 3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	60.17	7.49
06 15 13 00-0142 RSR 4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	61.90	8.06
06 15 13 00-0143 RSR 4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	61.39	7.67
06 15 13 00-0144 RSR 4' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	64.02	8.28
06 15 13 00-0145 RSR 4' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	63.06	7.86
06 15 13 00-0146 RSR 5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	66.19	8.47
06 15 13 00-0147 RSR 5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	65.72	8.05
06 15 13 00-0148 RSR 5' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	68.47	8.69
06 15 13 00-0149 RSR 5' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	67.51	8.26
<b>06 15 13 00-0150 2" x 12" Joists, Pressure Treated Wood Stair System</b> <small>(06 15 13 00-0132)</small>		
06 15 13 00-0151 RSR 3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	57.32	7.50
06 15 13 00-0152 RSR 3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	56.47	7.13
06 15 13 00-0153 RSR 3' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	59.40	7.70
06 15 13 00-0154 RSR 3' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	58.55	7.31
06 15 13 00-0155 RSR 3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	60.18	7.88
06 15 13 00-0156 RSR 3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	59.30	7.48
06 15 13 00-0157 RSR 3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	62.36	8.08
06 15 13 00-0158 RSR 3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	61.47	7.68
06 15 13 00-0159 RSR 4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	63.10	8.27
06 15 13 00-0160 RSR 4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	62.15	7.86
06 15 13 00-0161 RSR 4' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	65.36	8.48
06 15 13 00-0162 RSR 4' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	64.42	8.06
06 15 13 00-0163 RSR 5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	67.45	8.69
06 15 13 00-0164 RSR 5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	66.52	8.25
06 15 13 00-0165 RSR 5' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	69.90	8.91
06 15 13 00-0166 RSR 5' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	68.96	8.46
<b>06 15 13 00-0167 Redwood With Pressure Treated Joists, Wood Stair System</b> <small>(06 15 13 00-0131)</small>		
<b>06 15 13 00-0168 2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Stair System</b> <small>(06 15 13 00-0167)</small>		
06 15 13 00-0169 RSR 3' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	67.16	7.32
06 15 13 00-0170 RSR 3' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	66.60	6.95
06 15 13 00-0171 RSR 3' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	69.76	7.50
06 15 13 00-0172 RSR 3' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	69.23	7.13
06 15 13 00-0173 RSR 3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	70.51	7.69
06 15 13 00-0174 RSR 3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	69.92	7.30
06 15 13 00-0175 RSR 3'-6" Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	73.24	7.88
06 15 13 00-0176 RSR 3'-6" Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	72.69	7.49
06 15 13 00-0177 RSR 4' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	73.87	8.06
06 15 13 00-0178 RSR 4' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	73.25	7.67
06 15 13 00-0179 RSR 4' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	76.74	8.28
06 15 13 00-0180 RSR 4' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	76.15	7.86
06 15 13 00-0181 RSR 5' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	79.36	8.47
06 15 13 00-0182 RSR 5' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	78.77	8.05
06 15 13 00-0183 RSR 5' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	82.46	8.69
06 15 13 00-0184 RSR 5' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	81.91	8.26
<b>06 15 13 00-0185 2" x 12" Joists, Redwood With Pressure Treated Joists, Wood Stair System</b> <small>(06 15 13 00-0167)</small>		
06 15 13 00-0186 RSR 3' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	65.02	7.50
06 15 13 00-0187 RSR 3' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	64.44	7.13
06 15 13 00-0188 RSR 3' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	67.40	7.70
06 15 13 00-0189 RSR 3' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	66.93	7.31
06 15 13 00-0190 RSR 3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	68.26	7.88
06 15 13 00-0191 RSR 3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	67.66	7.48
06 15 13 00-0192 RSR 3'-6" Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	70.77	8.08
06 15 13 00-0193 RSR 3'-6" Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	70.27	7.68
06 15 13 00-0194 RSR 4' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	71.54	8.27



**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 15 Wood Decking**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0195	RSR		4' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	70.89	7.86
06 15 13 00-0196	RSR		4' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	74.15	8.48
06 15 13 00-0197	RSR		4' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	73.62	8.06
06 15 13 00-0198	RSR		5' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	76.74	8.69
06 15 13 00-0199	RSR		5' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	76.13	8.25
06 15 13 00-0200	RSR		5' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	79.57	8.91
06 15 13 00-0201	RSR		5' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	79.07	8.46
<b>06 15 13 00-0202</b>			<b>Cypress With Pressure Treated Joists, Wood Stair System (06 15 13 00-0131)</b>		
<b>06 15 13 00-0203</b>			<b>2" x 10" Joists, Cypress With Pressure Treated Joists, Wood Stair System</b>		
06 15 13 00-0204	RSR		3' Wide, 5/4" x 4" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	63.34	7.32
06 15 13 00-0205	RSR		3' Wide, 5/4" x 6" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	62.67	6.95
06 15 13 00-0206	RSR		3' Wide, 2" x 4" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	65.75	7.50
06 15 13 00-0207	RSR		3' Wide, 2" x 6" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	65.08	7.13
06 15 13 00-0208	RSR		3'-6" Wide, 5/4" x 4" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	66.50	7.69
06 15 13 00-0209	RSR		3'-6" Wide, 5/4" x 6" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	65.79	7.30
06 15 13 00-0210	RSR		3'-6" Wide, 2" x 4" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	69.04	7.88
06 15 13 00-0211	RSR		3'-6" Wide, 2" x 6" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	68.33	7.49
06 15 13 00-0212	RSR		4' Wide, 5/4" x 4" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	69.68	8.06
06 15 13 00-0213	RSR		4' Wide, 5/4" x 6" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	68.94	7.67
06 15 13 00-0214	RSR		4' Wide, 2" x 4" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	72.34	8.28
06 15 13 00-0215	RSR		4' Wide, 2" x 6" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	71.59	7.86
06 15 13 00-0216	RSR		5' Wide, 5/4" x 4" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	74.75	8.47
06 15 13 00-0217	RSR		5' Wide, 5/4" x 6" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	74.02	8.05
06 15 13 00-0218	RSR		5' Wide, 2" x 4" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	77.62	8.69
06 15 13 00-0219	RSR		5' Wide, 2" x 6" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	76.90	8.26
<b>06 15 13 00-0220</b>			<b>2" x 12" Joists, Cypress With Pressure Treated Joists, Wood Stair System</b>		
06 15 13 00-0221	RSR		3' Wide, 5/4" x 4" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	61.56	7.50
06 15 13 00-0222	RSR		3' Wide, 5/4" x 6" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	60.87	7.13
06 15 13 00-0223	RSR		3' Wide, 2" x 4" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	63.77	7.70
06 15 13 00-0224	RSR		3' Wide, 2" x 6" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	63.15	7.31
06 15 13 00-0225	RSR		3'-6" Wide, 5/4" x 4" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	64.63	7.88
06 15 13 00-0226	RSR		3'-6" Wide, 5/4" x 6" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	63.91	7.48
06 15 13 00-0227	RSR		3'-6" Wide, 2" x 4" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	66.96	8.08
06 15 13 00-0228	RSR		3'-6" Wide, 2" x 6" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	66.29	7.68
06 15 13 00-0229	RSR		4' Wide, 5/4" x 4" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	67.74	8.27
06 15 13 00-0230	RSR		4' Wide, 5/4" x 6" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	66.97	7.86
06 15 13 00-0231	RSR		4' Wide, 2" x 4" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	70.16	8.48
06 15 13 00-0232	RSR		4' Wide, 2" x 6" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	69.46	8.06
06 15 13 00-0233	RSR		5' Wide, 5/4" x 4" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	72.56	8.69
06 15 13 00-0234	RSR		5' Wide, 5/4" x 6" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	71.82	8.25
06 15 13 00-0235	RSR		5' Wide, 2" x 4" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	75.18	8.91
06 15 13 00-0236	RSR		5' Wide, 2" x 6" Cypress Decking With 2" x 12" Pressure Treated Joists.....	74.50	8.46
<b>06 15 13 00-0237</b>			<b>Cedar With Pressure Treated Joists, Wood Stair System (06 15 13 00-0131)</b>		
<b>06 15 13 00-0238</b>			<b>2" x 10" Joists, Cedar With Pressure Treated Joists, Wood Stair System (06 15 13 00-0237)</b>		
06 15 13 00-0239	RSR		3' Wide, 5/4" x 4" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	58.97	7.32
06 15 13 00-0240	RSR		3' Wide, 5/4" x 6" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	58.67	6.95
06 15 13 00-0241	RSR		3' Wide, 2" x 4" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	61.03	7.50
06 15 13 00-0242	RSR		3' Wide, 2" x 6" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	60.26	7.13
06 15 13 00-0243	RSR		3'-6" Wide, 5/4" x 4" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	61.92	7.69
06 15 13 00-0244	RSR		3'-6" Wide, 5/4" x 6" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	61.60	7.30
06 15 13 00-0245	RSR		3'-6" Wide, 2" x 4" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	64.07	7.88
06 15 13 00-0246	RSR		3'-6" Wide, 2" x 6" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	63.28	7.49
06 15 13 00-0247	RSR		4' Wide, 5/4" x 4" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	64.89	8.06
06 15 13 00-0248	RSR		4' Wide, 5/4" x 6" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	64.56	7.67
06 15 13 00-0249	RSR		4' Wide, 2" x 4" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	67.16	8.28
06 15 13 00-0250	RSR		4' Wide, 2" x 6" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	66.31	7.86
06 15 13 00-0251	RSR		5' Wide, 5/4" x 4" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	69.48	8.47
06 15 13 00-0252	RSR		5' Wide, 5/4" x 6" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	69.20	8.05
06 15 13 00-0253	RSR		5' Wide, 2" x 4" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	71.92	8.69
06 15 13 00-0254	RSR		5' Wide, 2" x 6" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System.....	71.09	8.26
<b>06 15 13 00-0255</b>			<b>2" x 12" Joists, Cedar With Pressure Treated Joists, Wood Stair System (06 15 13 00-0237)</b>		
06 15 13 00-0256	RSR		3' Wide, 5/4" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	60.08	7.50
06 15 13 00-0257	RSR		3' Wide, 5/4" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	59.34	7.13
06 15 13 00-0258	RSR		3' Wide, 2" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	62.29	7.70
06 15 13 00-0259	RSR		3' Wide, 2" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	61.57	7.31
06 15 13 00-0260	RSR		3'-6" Wide, 5/4" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	63.07	7.88
06 15 13 00-0261	RSR		3'-6" Wide, 5/4" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	62.31	7.48
06 15 13 00-0262	RSR		3'-6" Wide, 2" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	65.40	8.08
06 15 13 00-0263	RSR		3'-6" Wide, 2" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System.....	64.63	7.68



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0264 RSR 4' Wide, 5/4" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	66.11	8.27
06 15 13 00-0265 RSR 4' Wide, 5/4" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	65.30	7.86
06 15 13 00-0266 RSR 4' Wide, 2" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	68.54	8.48
06 15 13 00-0267 RSR 4' Wide, 2" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	67.73	8.06
06 15 13 00-0268 RSR 5' Wide, 5/4" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	70.77	8.69
06 15 13 00-0269 RSR 5' Wide, 5/4" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	69.98	8.25
06 15 13 00-0270 RSR 5' Wide, 2" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	73.40	8.91
06 15 13 00-0271 RSR 5' Wide, 2" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System .....	72.60	8.46
<b>06 15 13 00-0272 Wood Deck And Ramp Systems Repairs</b> <small>(06 15 13)</small>		
Note: Includes removal of material and screws. Excludes anchors and bolts.		
<b>06 15 13 00-0273 Deck Joist Or Girt</b> <small>(06 15 13 00-0272)</small>		
See CSI section 06 11 16 00-0012 for treated wood joist replacement, 06 51 13 00-0012 for plastic/composite lumber joist replacement.		
<b>06 15 13 00-0274 Deck Boards</b> <small>(06 15 13 00-0272)</small>		
See CSI section 06 51 13 00-0035 for plastic/composite lumber decking replacement.		
06 15 13 00-0275 LF 5/4" x 4" Round Edge Pressure Treated Deck Boards .....	1.41	0.31
06 15 13 00-0276 LF 5/4" x 6" Round Edge Pressure Treated Deck Boards .....	1.49	0.36
06 15 13 00-0277 LF 2" x 4" Round Edge Pressure Treated Deck Boards .....	1.38	0.36
06 15 13 00-0278 LF 2" x 6" Round Edge Pressure Treated Deck Boards .....	1.98	0.42
06 15 13 00-0279 LF 2" x 8" Round Edge Pressure Treated Deck Boards .....	2.63	0.50
06 15 13 00-0280 LF 2" x 10" Round Edge Pressure Treated Deck Boards .....	3.22	0.62
06 15 13 00-0281 LF 2" x 12" Round Edge Pressure Treated Deck Boards .....	4.07	0.72
06 15 13 00-0282 LF 2" x 4" Round Edge Cedar Deck Boards .....	1.38	0.36
06 15 13 00-0283 LF 2" x 6" Round Edge Cedar Deck Boards .....	1.85	0.42
06 15 13 00-0284 LF 2" x 4" Round Edge Redwood Deck Boards .....	1.56	0.36
06 15 13 00-0285 LF 2" x 6" Round Edge Redwood Deck Boards .....	2.12	0.42
<b>06 15 13 00-0286 Deck Posts</b> <small>(06 15 13 00-0272)</small>		
See CSI section 06 11 16 00-0103 for treated wood post replacement, 06 51 13 00-0024 for plastic/composite lumber column replacement.		
<b>06 15 13 00-0287 Deck Railing And Pickets</b> <small>(06 15 13 00-0272)</small>		
See CSI section 06 51 13 00-0035 for plastic/composite lumber railing replacement.		
06 15 13 00-0288 LF 2" x 4" Pressure Treated Deck Railing .....	1.38	0.36
06 15 13 00-0289 LF 2" x 2" Pressure Treated Deck Railing Picket .....	0.77	0.28
06 15 13 00-0290 LF 2" x 4" Cedar Deck Railing .....	1.38	0.36
06 15 13 00-0291 LF 2" x 2" Cedar Deck Railing Picket .....	1.02	0.28
06 15 13 00-0292 LF 2" x 4" Redwood Deck Railing .....	1.56	0.36
06 15 13 00-0293 LF 2" x 2" Redwood Deck Railing Picket .....	1.16	0.28
<b>06 16 Sheathing</b> <small>(06 10)</small>		
<b>06 16 23 Subflooring</b> <small>(06 16)</small>		
<b>06 16 23 00-0001 Board Type Subflooring</b> <small>(06 16 23)</small>		
06 16 23 00-0002 SF 1" x 8" Regular Surface Board Type Subfloor .....	1.43	0.32
Note: 4 Sides Laid In A Regular Pattern.		
For Water Resistant Coating Or Treatment, Add		0.04
For Foil Backing, Add		0.07
For Tongue And Groove, Add		0.05
06 16 23 00-0003 SF 1" x 8" Diagonal Surface Board Type Subfloor .....	1.57	0.40
Note: 4 Sides Laid In A Diagonal Pattern.		
For Water Resistant Coating Or Treatment, Add		0.04
For Foil Backing, Add		0.07
For Tongue And Groove, Add		0.05
06 16 23 00-0004 SF 1" x 10" Regular Surface Board Type Subfloor .....	1.39	0.28
Note: 4 sides laid in a regular pattern.		
For Water Resistant Coating Or Treatment, Add		0.04
For Foil Backing, Add		0.07
For Tongue And Groove, Add		0.05
06 16 23 00-0005 SF 1" x 10" Diagonal Surface Board Type Subfloor .....	1.49	0.32
Note: 4 sides laid in a diagonal pattern.		
For Water Resistant Coating Or Treatment, Add		0.04
For Foil Backing, Add		0.07
For Tongue And Groove, Add		0.05
<b>06 16 33 Wood Board Sheathing</b> <small>(06 16)</small>		
06 16 33 00-0001 Plywood <small>(06 16 33)</small>		
06 16 33 00-0002 Roof Decking <small>(06 16 33 00-0001)</small>		

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 16 Sheathing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0003	SF		3/8" Thick CDX Plywood Roof Decking.....	0.96	0.20
			Note: Applied to wood rafters.		
			For Shear Wall Construction, Add	0.09	
			For Exterior CC Grade Plywood, Add	0.07	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.09	
			For ACQ Preservative Treatment, Add	0.24	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	0.71	
			For Fire Retardant Treatment, Add	0.39	
			For >1,696 To 3,200, Deduct	-0.03	
			For >3,200 To 6,400, Deduct	-0.04	
			For >6,400 To 12,800, Deduct	-0.07	
			For >12,800, Deduct	-0.08	
06 16 33 00-0004	SF		1/2" Thick CDX Plywood Roof Decking.....	1.11	0.24
			Note: Applied to wood rafters.		
			For Shear Wall Construction, Add	0.10	
			For Exterior CC Grade Plywood, Add	0.09	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.10	
			For ACQ Preservative Treatment, Add	0.28	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	0.78	
			For Fire Retardant Treatment, Add	0.47	
			For >1,696 To 3,200, Deduct	-0.04	
			For >3,200 To 6,400, Deduct	-0.05	
			For >6,400 To 12,800, Deduct	-0.08	
			For >12,800, Deduct	-0.10	
06 16 33 00-0005	SF		5/8" Thick CDX Plywood Roof Decking.....	1.23	0.24
			Note: Applied to wood rafters.		
			For Shear Wall Construction, Add	0.11	
			For Exterior CC Grade Plywood, Add	0.10	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.11	
			For ACQ Preservative Treatment, Add	0.32	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	0.84	
			For Fire Retardant Treatment, Add	0.53	
			For >1,696 To 3,200, Deduct	-0.04	
			For >3,200 To 6,400, Deduct	-0.06	
			For >6,400 To 12,800, Deduct	-0.09	
			For >12,800, Deduct	-0.11	
			For Tongue And Groove, Add	0.05	
06 16 33 00-0006	SF		3/4" Thick CDX Plywood Roof Decking.....	1.37	0.28
			Note: Applied to wood rafters.		
			For Shear Wall Construction, Add	0.12	
			For Exterior CC Grade Plywood, Add	0.12	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.12	
			For ACQ Preservative Treatment, Add	0.37	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	0.90	
			For Fire Retardant Treatment, Add	0.61	
			For >1,696 To 3,200, Deduct	-0.05	
			For >3,200 To 6,400, Deduct	-0.07	
			For >6,400 To 12,800, Deduct	-0.10	
			For >12,800, Deduct	-0.12	
			For Tongue And Groove, Add	0.05	
06 16 33 00-0007	SF		1" Thick CDX Plywood Roof Decking.....	1.69	0.32
			Note: Applied to wood rafters.		
			For Shear Wall Construction, Add	0.13	
			For Exterior CC Grade Plywood, Add	0.16	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.13	
			For ACQ Preservative Treatment, Add	0.50	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	0.98	
			For Fire Retardant Treatment, Add	0.82	
			For >1,696 To 3,200, Deduct	-0.06	
			For >3,200 To 6,400, Deduct	-0.09	
			For >6,400 To 12,800, Deduct	-0.13	
			For >12,800, Deduct	-0.16	
			For Tongue And Groove, Add	0.07	
06 16 33 00-0008			<b>Wall Sheathing</b> (06 16 33 00-0001)		
06 16 33 00-0009	SF		1/4" Interior BC Plywood Wall Sheathing.....	1.08	0.28
			Note: Applied to wall studs.		
			For Shear Wall Construction, Add	0.12	
			For Exterior CC Grade Plywood, Add	0.07	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.12	
			For Ceiling Installation, Add	0.06	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	0.90	
			For Fire Retardant Treatment, Add	0.38	
			For >1,696 To 3,200, Deduct	-0.03	
			For >3,200 To 6,400, Deduct	-0.04	
			For >6,400 To 12,800, Deduct	-0.07	
			For >12,800, Deduct	-0.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0010 SF 5/16" Interior BC Plywood Wall Sheathing.....	1.11	0.28
Note: Applied to wall studs.		
<i>For Shear Wall Construction, Add</i>	0.12	
<i>For Exterior CC Grade Plywood, Add</i>	0.08	
<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.12	
<i>For Ceiling Installation, Add</i>	0.06	
<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	0.90	
<i>For Fire Retardant Treatment, Add</i>	0.40	
<i>For &gt;1,696 To 3,200, Deduct</i>	-0.03	
<i>For &gt;3,200 To 6,400, Deduct</i>	-0.05	
<i>For &gt;6,400 To 12,800, Deduct</i>	-0.07	
<i>For &gt;12,800, Deduct</i>	-0.09	
06 16 33 00-0011 SF 3/8" Interior BC Plywood Wall Sheathing.....	1.15	0.32
Note: Applied to wall studs.		
<i>For Shear Wall Construction, Add</i>	0.12	
<i>For Exterior CC Grade Plywood, Add</i>	0.08	
<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.12	
<i>For Ceiling Installation, Add</i>	0.06	
<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	0.90	
<i>For Fire Retardant Treatment, Add</i>	0.43	
<i>For &gt;1,696 To 3,200, Deduct</i>	-0.03	
<i>For &gt;3,200 To 6,400, Deduct</i>	-0.05	
<i>For &gt;6,400 To 12,800, Deduct</i>	-0.08	
<i>For &gt;12,800, Deduct</i>	-0.10	
06 16 33 00-0012 SF 1/2" Interior BC Plywood Wall Sheathing.....	1.34	0.32
Note: Applied to wall studs.		
<i>For Shear Wall Construction, Add</i>	0.13	
<i>For Exterior CC Grade Plywood, Add</i>	0.11	
<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.13	
<i>For Ceiling Installation, Add</i>	0.06	
<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	0.96	
<i>For Fire Retardant Treatment, Add</i>	0.55	
<i>For &gt;1,696 To 3,200, Deduct</i>	-0.04	
<i>For &gt;3,200 To 6,400, Deduct</i>	-0.06	
<i>For &gt;6,400 To 12,800, Deduct</i>	-0.09	
<i>For &gt;12,800, Deduct</i>	-0.12	
06 16 33 00-0013 SF 5/8" Interior BC Plywood Wall Sheathing.....	1.44	0.36
Note: Applied to wall studs.		
<i>For Shear Wall Construction, Add</i>	0.14	
<i>For Exterior CC Grade Plywood, Add</i>	0.11	
<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.14	
<i>For Ceiling Installation, Add</i>	0.07	
<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	1.02	
<i>For Fire Retardant Treatment, Add</i>	0.60	
<i>For &gt;1,696 To 3,200, Deduct</i>	-0.05	
<i>For &gt;3,200 To 6,400, Deduct</i>	-0.07	
<i>For &gt;6,400 To 12,800, Deduct</i>	-0.10	
<i>For &gt;12,800, Deduct</i>	-0.13	
06 16 33 00-0014 SF 3/4" Interior BC Plywood Wall Sheathing.....	1.60	0.40
Note: Applied to wall studs.		
<i>For Shear Wall Construction, Add</i>	0.15	
<i>For Exterior CC Grade Plywood, Add</i>	0.13	
<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.15	
<i>For Ceiling Installation, Add</i>	0.07	
<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	1.10	
<i>For Fire Retardant Treatment, Add</i>	0.69	
<i>For &gt;1,696 To 3,200, Deduct</i>	-0.05	
<i>For &gt;3,200 To 6,400, Deduct</i>	-0.08	
<i>For &gt;6,400 To 12,800, Deduct</i>	-0.11	
<i>For &gt;12,800, Deduct</i>	-0.14	
<b>06 16 33 00-0015 Floor Decking</b> <small>(06 16 33 00-0001)</small>		
Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0016 SF 5/16" CD Grade Plywood Floor Decking.....	0.78	0.24
Note: Applied to floor or joists.		
<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add</i>	0.68	
<i>For Fire Retardant Treatment, Add</i>	0.26	
<i>For &gt;1,696 To 3,200, Deduct</i>	-0.02	
<i>For &gt;3,200 To 6,400, Deduct</i>	-0.03	
<i>For &gt;6,400 To 12,800, Deduct</i>	-0.05	
<i>For &gt;12,800, Deduct</i>	-0.06	
<i>For ACQ Preservative Treatment, Add</i>	0.16	
<i>For Fir Plywood, Add</i>	0.06	
<i>For BC Grade Plywood, Add</i>	0.05	
<i>For Exterior Glue, Add</i>	0.03	
<i>For Marine Grade, Add</i>	0.26	

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 16 Sheathing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0017	SF		3/8" CD Grade Plywood Floor Decking.....	0.87	0.24
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	0.71	
			For Fire Retardant Treatment, Add	0.32	
			For >1,696 To 3,200, Deduct	-0.02	
			For >3,200 To 6,400, Deduct	-0.04	
			For >6,400 To 12,800, Deduct	-0.06	
			For >12,800, Deduct	-0.07	
			For ACQ Preservative Treatment, Add	0.19	
			For Fir Plywood, Add	0.07	
			For BC Grade Plywood, Add	0.06	
			For Exterior Glue, Add	0.04	
			For Marine Grade, Add	0.31	
06 16 33 00-0018	SF		1/2" CD Grade Plywood Floor Decking.....	1.02	0.24
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	0.74	
			For Fire Retardant Treatment, Add	0.42	
			For >1,696 To 3,200, Deduct	-0.03	
			For >3,200 To 6,400, Deduct	-0.05	
			For >6,400 To 12,800, Deduct	-0.07	
			For >12,800, Deduct	-0.09	
			For ACQ Preservative Treatment, Add	0.25	
			For Fir Plywood, Add	0.10	
			For BC Grade Plywood, Add	0.08	
			For Exterior Glue, Add	0.05	
			For Marine Grade, Add	0.41	
06 16 33 00-0019	SF		5/8" CD Grade Plywood Floor Decking.....	1.13	0.24
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	0.83	
			For Fire Retardant Treatment, Add	0.46	
			For >1,696 To 3,200, Deduct	-0.03	
			For >3,200 To 6,400, Deduct	-0.05	
			For >6,400 To 12,800, Deduct	-0.08	
			For >12,800, Deduct	-0.10	
			For ACQ Preservative Treatment, Add	0.28	
			For Fir Plywood, Add	0.11	
			For BC Grade Plywood, Add	0.09	
			For Exterior Glue, Add	0.05	
			For Marine Grade, Add	0.45	
06 16 33 00-0020	SF		3/4" CD Grade Plywood Floor Decking.....	1.32	0.24
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	0.87	
			For Fire Retardant Treatment, Add	0.58	
			For >1,696 To 3,200, Deduct	-0.04	
			For >3,200 To 6,400, Deduct	-0.07	
			For >6,400 To 12,800, Deduct	-0.10	
			For >12,800, Deduct	-0.12	
			For ACQ Preservative Treatment, Add	0.36	
			For Fir Plywood, Add	0.14	
			For BC Grade Plywood, Add	0.11	
			For Exterior Glue, Add	0.07	
			For Marine Grade, Add	0.58	
06 16 33 00-0021	SF		1-1/8" CD Grade Plywood Floor Decking.....	2.09	0.36
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	1.04	
			For Fire Retardant Treatment, Add	1.11	
			For >1,696 To 3,200, Deduct	-0.08	
			For >3,200 To 6,400, Deduct	-0.13	
			For >6,400 To 12,800, Deduct	-0.17	
			For >12,800, Deduct	-0.20	
			For ACQ Preservative Treatment, Add	0.67	
			For Fir Plywood, Add	0.26	
			For BC Grade Plywood, Add	0.21	
			For Exterior Glue, Add	0.13	
			For Marine Grade, Add	1.10	
06 16 33 00-0022	SF		1/2" AC Fir Plywood Floor Decking.....	1.34	0.24
			Note: Applied to floor or joists.		
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	0.74	
			For Fire Retardant Treatment, Add	0.67	
			For >1,696 To 3,200, Deduct	-0.05	
			For >3,200 To 6,400, Deduct	-0.08	
			For >6,400 To 12,800, Deduct	-0.11	
			For >12,800, Deduct	-0.13	
			For ACQ Preservative Treatment, Add	0.41	
			For Exterior Glue, Add	0.08	
			For Marine Grade, Add	0.67	
			For Tongue And Groove, Add	0.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0023 SF 5/8" AC Fir Plywood Floor Decking.....	1.45	0.24
Note: Applied to floor or joists.		
For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	0.83	
For Fire Retardant Treatment, Add	0.71	
For >1,696 To 3,200, Deduct	-0.05	
For >3,200 To 6,400, Deduct	-0.08	
For >6,400 To 12,800, Deduct	-0.11	
For >12,800, Deduct	-0.14	
For ACQ Preservative Treatment, Add	0.43	
For Exterior Glue, Add	0.08	
For Marine Grade, Add	0.70	
For Tongue And Groove, Add	0.06	
06 16 33 00-0024 SF 3/4" AC Fir Plywood Floor Decking.....	1.56	0.24
Note: Applied to floor or joists.		
For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	0.87	
For Fire Retardant Treatment, Add	0.77	
For >1,696 To 3,200, Deduct	-0.06	
For >3,200 To 6,400, Deduct	-0.09	
For >6,400 To 12,800, Deduct	-0.12	
For >12,800, Deduct	-0.15	
For ACQ Preservative Treatment, Add	0.47	
For Exterior Glue, Add	0.09	
For Marine Grade, Add	0.77	
For Tongue And Groove, Add	0.07	
<b>06 16 33 00-0025 Underlayment Grade</b> <small>(06 16 33 00-0001)</small>		
Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0026 SF 1/4" Thick Plywood Underlayment BC Grade .....	0.85	0.24
For Fire Retardant Treatment, Add	0.31	
For >1,696 To 3,200, Deduct	-0.02	
For >3,200 To 6,400, Deduct	-0.04	
For >6,400 To 12,800, Deduct	-0.05	
For >12,800, Deduct	-0.07	
06 16 33 00-0027 SF 3/8" Thick Plywood Underlayment BC Grade .....	0.91	0.24
For Fire Retardant Treatment, Add	0.34	
For >1,696 To 3,200, Deduct	-0.03	
For >3,200 To 6,400, Deduct	-0.04	
For >6,400 To 12,800, Deduct	-0.05	
For >12,800, Deduct	-0.08	
06 16 33 00-0028 SF 1/2" Thick Plywood Underlayment BC Grade .....	0.96	0.28
For Fire Retardant Treatment, Add	0.37	
For >1,696 To 3,200, Deduct	-0.03	
For >3,200 To 6,400, Deduct	-0.04	
For >6,400 To 12,800, Deduct	-0.05	
For >12,800, Deduct	-0.08	
06 16 33 00-0029 SF 5/8" Thick Plywood Underlayment BC Grade .....	1.11	0.28
For Fire Retardant Treatment, Add	0.43	
For >1,696 To 3,200, Deduct	-0.03	
For >3,200 To 6,400, Deduct	-0.05	
For >6,400 To 12,800, Deduct	-0.06	
For >12,800, Deduct	-0.09	
For Tongue And Groove, Add	0.04	
06 16 33 00-0030 SF 3/4" Thick Plywood Underlayment BC Grade .....	1.23	0.28
For Fire Retardant Treatment, Add	0.53	
For >1,696 To 3,200, Deduct	-0.04	
For >3,200 To 6,400, Deduct	-0.06	
For >6,400 To 12,800, Deduct	-0.07	
For >12,800, Deduct	-0.11	
For Tongue And Groove, Add	0.05	
06 16 33 00-0031 SF 1-1/8" Thick Plywood Underlayment BC Grade .....	1.64	0.32
For Fire Retardant Treatment, Add	0.81	
For >1,696 To 3,200, Deduct	-0.06	
For >3,200 To 6,400, Deduct	-0.09	
For >6,400 To 12,800, Deduct	-0.11	
For >12,800, Deduct	-0.15	
For Tongue And Groove, Add	0.07	
06 16 33 00-0032 SF 3/8" Thick Plywood CDX Grade.....	1.00	0.24
For Fire Retardant Treatment, Add	0.41	
For >1,696 To 3,200, Deduct	-0.03	
For >3,200 To 6,400, Deduct	-0.05	
For >6,400 To 12,800, Deduct	-0.06	
For >12,800, Deduct	-0.09	
06 16 33 00-0033 SF 5/8" Thick Plywood CDX Grade.....	1.34	0.28
For Fire Retardant Treatment, Add	0.62	
For >1,696 To 3,200, Deduct	-0.05	
For >3,200 To 6,400, Deduct	-0.07	
For >6,400 To 12,800, Deduct	-0.08	
For >12,800, Deduct	-0.12	
06 16 33 00-0034 Oriented Strand Board <small>(06 16 33)</small>		
06 16 33 00-0035 On Roof <small>(06 16 33 00-0034)</small>		

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 16 Sheathing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0036	SF		3/8" Thick Structural Oriented Strand Board On Roof.....	0.74	0.24
			For >1,408 To 3,200, Deduct	-0.02	
			For >3,200 To 6,400, Deduct	-0.02	
			For >6,400 To 12,800, Deduct	-0.04	
			For >12,800, Deduct	-0.06	
			For Fire Retardant Treatment, Add	0.21	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	0.71	
06 16 33 00-0037	SF		1/2" Thick Structural Oriented Strand Board On Roof.....	0.83	0.24
			For >1,408 To 3,200, Deduct	-0.02	
			For >3,200 To 6,400, Deduct	-0.03	
			For >6,400 To 12,800, Deduct	-0.05	
			For >12,800, Deduct	-0.06	
			For Fire Retardant Treatment, Add	0.24	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	0.78	
06 16 33 00-0038	SF		5/8" Thick Structural Oriented Strand Board On Roof.....	1.01	0.28
			For >1,408 To 3,200, Deduct	-0.03	
			For >3,200 To 6,400, Deduct	-0.04	
			For >6,400 To 12,800, Deduct	-0.06	
			For >12,800, Deduct	-0.08	
			For Fire Retardant Treatment, Add	0.36	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	0.84	
06 16 33 00-0039	SF		3/4" Thick Structural Oriented Strand Board On Roof.....	1.20	0.28
			For >1,408 To 3,200, Deduct	-0.04	
			For >3,200 To 6,400, Deduct	-0.05	
			For >6,400 To 12,800, Deduct	-0.08	
			For >12,800, Deduct	-0.10	
			For Fire Retardant Treatment, Add	0.47	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	0.90	
<b>06 16 33 00-0040</b>			<b>On Walls</b> <small>(06 16 33 00-0034)</small>		
06 16 33 00-0041	SF		3/8" Thick Structural Oriented Strand Board On Walls.....	0.87	0.28
			For >1,408 To 3,200, Deduct	-0.02	
			For >3,200 To 6,400, Deduct	-0.02	
			For >6,400 To 12,800, Deduct	-0.04	
			For >12,800, Deduct	-0.06	
			For Fire Retardant Treatment, Add	0.21	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	0.90	
06 16 33 00-0042	SF		1/2" Thick Structural Oriented Strand Board On Walls.....	0.95	0.32
			For >1,408 To 3,200, Deduct	-0.02	
			For >3,200 To 6,400, Deduct	-0.03	
			For >6,400 To 12,800, Deduct	-0.05	
			For >12,800, Deduct	-0.07	
			For Fire Retardant Treatment, Add	0.24	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	0.96	
06 16 33 00-0043	SF		5/8" Thick Structural Oriented Strand Board On Walls.....	1.13	0.36
			For >1,408 To 3,200, Deduct	-0.03	
			For >3,200 To 6,400, Deduct	-0.04	
			For >6,400 To 12,800, Deduct	-0.07	
			For >12,800, Deduct	-0.09	
			For Fire Retardant Treatment, Add	0.36	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	1.02	
06 16 33 00-0044	SF		3/4" Thick Structural Oriented Strand Board On Walls.....	1.33	0.36
			For >1,408 To 3,200, Deduct	-0.04	
			For >3,200 To 6,400, Deduct	-0.05	
			For >6,400 To 12,800, Deduct	-0.08	
			For >12,800, Deduct	-0.11	
			For Fire Retardant Treatment, Add	0.47	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	1.10	
<b>06 16 33 00-0045</b>			<b>On Floors</b> <small>(06 16 33 00-0034)</small>		
			Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0046	SF		3/8" Thick Structural Oriented Strand Board On Floors.....	0.75	0.24
			For >1,408 To 3,200, Deduct	-0.02	
			For >3,200 To 6,400, Deduct	-0.02	
			For >6,400 To 12,800, Deduct	-0.04	
			For >12,800, Deduct	-0.06	
			For Fire Retardant Treatment, Add	0.21	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	0.72	
06 16 33 00-0047	SF		1/2" Thick Structural Oriented Strand Board On Floors.....	0.89	0.28
			For >1,408 To 3,200, Deduct	-0.02	
			For >3,200 To 6,400, Deduct	-0.03	
			For >6,400 To 12,800, Deduct	-0.05	
			For >12,800, Deduct	-0.07	
			For Fire Retardant Treatment, Add	0.24	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	0.87	
06 16 33 00-0048	SF		5/8" Thick Structural Oriented Strand Board On Floors.....	1.08	0.32
			For >1,408 To 3,200, Deduct	-0.03	
			For >3,200 To 6,400, Deduct	-0.04	
			For >6,400 To 12,800, Deduct	-0.07	
			For >12,800, Deduct	-0.09	
			For Fire Retardant Treatment, Add	0.36	
			For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	0.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0049 SF 3/4" Thick Structural Oriented Strand Board On Floors ..... <i>For &gt;1,408 To 3,200, Deduct</i> <i>For &gt;3,200 To 6,400, Deduct</i> <i>For &gt;6,400 To 12,800, Deduct</i> <i>For &gt;12,800, Deduct</i> <i>For Fire Retardant Treatment, Add</i> <i>For Selective Replacement &lt;400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	1.28 -0.04 -0.05 -0.08 -0.11 0.47 1.02	0.36
<b>06 16 33 00-0050 Particle Board</b> <small>(06 16 33)</small>		
<b>06 16 33 00-0051 Particle Board Floor Decking</b> <small>(06 16 33 00-0050)</small> Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0052 SF 3/8" Particle Board Floor Decking ..... Note: Applied to plywood subfloor. <i>For Fire Retardant Treatment Add</i> <i>For &gt;1,536 To 3,200, Deduct</i> <i>For &gt;3,200 To 6,400, Deduct</i> <i>For &gt;6,400 To 12,800, Deduct</i> <i>For &gt;12,800, Deduct</i> <i>For Tongue And Groove, Add</i>	0.81 0.27 -0.02 -0.03 -0.05 -0.06 0.02	0.20
06 16 33 00-0053 SF 1/2" Particle Board Floor Decking ..... Note: Applied to plywood subfloor. <i>For Fire Retardant Treatment Add</i> <i>For &gt;1,536 To 3,200, Deduct</i> <i>For &gt;3,200 To 6,400, Deduct</i> <i>For &gt;6,400 To 12,800, Deduct</i> <i>For &gt;12,800, Deduct</i> <i>For Tongue And Groove, Add</i>	0.96 0.37 -0.03 -0.04 -0.06 -0.08 0.03	0.20
06 16 33 00-0054 SF 5/8" Particle Board Floor Decking ..... Note: Applied to plywood subfloor. <i>For Fire Retardant Treatment Add</i> <i>For &gt;1,536 To 3,200, Deduct</i> <i>For &gt;3,200 To 6,400, Deduct</i> <i>For &gt;6,400 To 12,800, Deduct</i> <i>For &gt;12,800, Deduct</i> <i>For Tongue And Groove, Add</i>	1.12 0.47 -0.04 -0.05 -0.08 -0.10 0.04	0.24
06 16 33 00-0055 SF 3/4" Particle Board Floor Decking ..... Note: Applied to plywood subfloor. <i>For Fire Retardant Treatment Add</i> <i>For &gt;1,536 To 3,200, Deduct</i> <i>For &gt;3,200 To 6,400, Deduct</i> <i>For &gt;6,400 To 12,800, Deduct</i> <i>For &gt;12,800, Deduct</i> <i>For Tongue And Groove, Add</i>	1.25 0.55 -0.04 -0.06 -0.09 -0.11 0.05	0.24
<b>06 16 43 Gypsum Sheathing</b> <small>(06 16)</small>		
<b>06 16 43 00-0001 Exterior Gypsum Sheathing</b> <small>(06 16 43)</small> Note: Includes moisture resistant core and fiberglass mats on both sides and long edges.		
06 16 43 00-0002 SF 1/2" Exterior Gypsum Sheathing (GP Dens-Glass Gold) ..... <i>For Selective Replacement &lt;400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add</i> <i>For Application To Metal Studs, Joists, Or Rafters, Add</i> <i>For Ceiling Installation, Add</i> <i>For &gt;1,696 To 3,200, Deduct</i> <i>For &gt;3,200 To 6,400, Deduct</i> <i>For &gt;6,400 To 12,800, Deduct</i> <i>For &gt;12,800, Deduct</i>	1.63 0.96 0.13 0.06 -0.06 -0.09 -0.12 -0.15	0.32
06 16 43 00-0003 SF 5/8" Exterior Gypsum Sheathing (GP Dens-Glass Gold) ..... <i>For Selective Replacement &lt;400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add</i> <i>For Application To Metal Studs, Joists, Or Rafters, Add</i> <i>For Ceiling Installation, Add</i> <i>For &gt;1,696 To 3,200, Deduct</i> <i>For &gt;3,200 To 6,400, Deduct</i> <i>For &gt;6,400 To 12,800, Deduct</i> <i>For &gt;12,800, Deduct</i>	1.76 1.02 0.14 0.07 -0.06 -0.10 -0.14 -0.16	0.40
<b>06 17 Shop-Fabricated Structural Wood</b> <small>(06 10)</small>		
<b>06 17 13 Laminated Veneer Lumber</b> <small>(06 17)</small>		
<b>06 17 13 00-0001 Laminated Veneer Lumber (LVL)</b> <small>(06 17 13)</small>		
06 17 13 00-0002 LF 1-3/4" Wide x 5-1/2" Deep Laminated Veneer Lumber (LVL) .....	4.04	0.69
06 17 13 00-0003 LF 1-3/4" Wide x 7-1/4" Deep Laminated Veneer Lumber (LVL) .....	4.54	0.70
06 17 13 00-0004 LF 1-3/4" Wide x 9-1/2" Deep Laminated Veneer Lumber (LVL) .....	5.12	0.71
06 17 13 00-0005 LF 1-3/4" Wide x 11-7/8" Deep Laminated Veneer Lumber (LVL) .....	5.86	0.72
06 17 13 00-0006 LF 1-3/4" Wide x 14" Deep Laminated Veneer Lumber (LVL) .....	6.40	0.73
06 17 13 00-0007 LF 1-3/4" Wide x 16" Deep Laminated Veneer Lumber (LVL) .....	7.16	0.76
06 17 13 00-0008 LF 1-3/4" Wide x 18" Deep Laminated Veneer Lumber (LVL) .....	8.27	0.77
06 17 13 00-0009 LF 1-3/4" Wide x 24" Deep Laminated Veneer Lumber (LVL) .....	11.65	0.88
<b>06 17 23 Parallel Strand Lumber</b> <small>(06 17)</small>		



**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
06 17 23 00-0001		Laminated Strand Lumber (LSL) <small>(06 17 23)</small>		
06 17 23 00-0002	LF	2" x 4" Laminated Strand Lumber (LSL)	1.42	0.32
06 17 23 00-0003	LF	2" x 6" Laminated Strand Lumber (LSL)	2.03	0.34
<b>06 17 33</b>		<b>Wood I-Joists</b> <small>(06 17)</small>		
06 17 33 00-0001		Prefabricated Wood I-Joists <small>(06 17 33)</small>		
06 17 33 00-0002	LF	9-1/2" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length.....	2.77	0.61
		<i>For I-Joists 30' To 40' In Length, Add</i>	0.26	
		<i>For I-Joists &gt;40' In Length, Add</i>	0.65	
06 17 33 00-0003	LF	11-7/8" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length.....	2.97	0.67
		<i>For I-Joists 30' To 40' In Length, Add</i>	0.29	
		<i>For I-Joists &gt;40' In Length, Add</i>	0.72	
06 17 33 00-0004	LF	14" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length.....	3.51	0.75
		<i>For I-Joists 30' To 40' In Length, Add</i>	0.33	
		<i>For I-Joists &gt;40' In Length, Add</i>	0.82	
06 17 33 00-0005	LF	16" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length.....	3.95	0.84
		<i>For I-Joists 30' To 40' In Length, Add</i>	0.37	
		<i>For I-Joists &gt;40' In Length, Add</i>	0.90	
<b>06 17 43</b>		<b>Rim Boards</b> <small>(06 17)</small>		
06 17 43 00-0001		Oriented Strand Board (OSB) Rim Board <small>(06 17 43)</small>		
06 17 43 00-0002	LF	1-1/8" Wide x 9-1/2" Deep, Oriented Strand Board (OSB) Rim Board.....	3.00	0.71
06 17 43 00-0003	LF	1-1/8" Wide x 11-7/8" Deep, Oriented Strand Board (OSB) Rim Board.....	3.39	0.72
06 17 43 00-0004	LF	1-1/8" Wide x 14" Deep, Oriented Strand Board (OSB) Rim Board.....	3.84	0.73
<b>06 17 53</b>		<b>Shop-Fabricated Wood Trusses</b> <small>(06 17)</small>		
06 17 53 00-0001		Pre-Assembled Wood Roof Trusses <small>(06 17 53)</small>		
		Note: For King Post, Queen Post, Fink or Howe types. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.		
06 17 53 00-0002	EA	10' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	99.44	35.25
		<i>For Up To 15, Add</i>	2.17	
		<i>For &gt;35, Deduct</i>	-1.45	
		<i>For 3 In 12 Slope, Add</i>	0.87	
		<i>For 5 In 12 Slope, Add</i>	2.32	
		<i>For 6 In 12 Slope, Add</i>	4.34	
		<i>For 7 In 12 Slope, Add</i>	5.79	
		<i>For 8 In 12 Slope, Add</i>	6.95	
06 17 53 00-0003	EA	12' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	111.01	38.61
		<i>For Up To 15, Add</i>	2.54	
		<i>For &gt;35, Deduct</i>	-1.69	
		<i>For 3 In 12 Slope, Add</i>	1.01	
		<i>For 5 In 12 Slope, Add</i>	2.70	
		<i>For 6 In 12 Slope, Add</i>	5.07	
		<i>For 7 In 12 Slope, Add</i>	6.76	
		<i>For 8 In 12 Slope, Add</i>	8.11	
06 17 53 00-0004	EA	14' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	124.60	41.96
		<i>For Up To 15, Add</i>	3.05	
		<i>For &gt;35, Deduct</i>	-2.03	
		<i>For 3 In 12 Slope, Add</i>	1.22	
		<i>For 5 In 12 Slope, Add</i>	3.25	
		<i>For 6 In 12 Slope, Add</i>	6.10	
		<i>For 7 In 12 Slope, Add</i>	8.13	
		<i>For 8 In 12 Slope, Add</i>	9.76	
06 17 53 00-0005	EA	16' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	143.49	45.32
		<i>For Up To 15, Add</i>	3.96	
		<i>For &gt;35, Deduct</i>	-2.64	
		<i>For 3 In 12 Slope, Add</i>	1.59	
		<i>For 5 In 12 Slope, Add</i>	4.23	
		<i>For 6 In 12 Slope, Add</i>	7.93	
		<i>For 7 In 12 Slope, Add</i>	10.57	
		<i>For 8 In 12 Slope, Add</i>	12.68	
06 17 53 00-0006	EA	18' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	159.33	48.68
		<i>For Up To 15, Add</i>	4.65	
		<i>For &gt;35, Deduct</i>	-3.10	
		<i>For 3 In 12 Slope, Add</i>	1.86	
		<i>For 5 In 12 Slope, Add</i>	4.96	
		<i>For 6 In 12 Slope, Add</i>	9.30	
		<i>For 7 In 12 Slope, Add</i>	12.40	
		<i>For 8 In 12 Slope, Add</i>	14.88	
06 17 53 00-0007	EA	20' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	165.30	53.72
		<i>For Up To 15, Add</i>	4.34	
		<i>For &gt;35, Deduct</i>	-2.89	
		<i>For 3 In 12 Slope, Add</i>	1.74	
		<i>For 5 In 12 Slope, Add</i>	4.63	
		<i>For 6 In 12 Slope, Add</i>	8.68	
		<i>For 7 In 12 Slope, Add</i>	11.57	
		<i>For 8 In 12 Slope, Add</i>	13.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0008 EA 22' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	173.70	85.61
For Up To 15, Add	4.47	
For >35, Deduct	-2.98	
For 3 In 12 Slope, Add	1.79	
For 5 In 12 Slope, Add	4.76	
For 6 In 12 Slope, Add	8.93	
For 7 In 12 Slope, Add	11.91	
For 8 In 12 Slope, Add	14.29	
06 17 53 00-0009 EA 24' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	185.47	60.43
For Up To 15, Add	4.85	
For >35, Deduct	-3.23	
For 3 In 12 Slope, Add	1.94	
For 5 In 12 Slope, Add	5.17	
For 6 In 12 Slope, Add	9.69	
For 7 In 12 Slope, Add	12.92	
For 8 In 12 Slope, Add	15.51	
06 17 53 00-0010 EA 26' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	197.78	95.68
For Up To 15, Add	5.27	
For >35, Deduct	-3.51	
For 3 In 12 Slope, Add	2.11	
For 5 In 12 Slope, Add	5.62	
For 6 In 12 Slope, Add	10.53	
For 7 In 12 Slope, Add	14.04	
For 8 In 12 Slope, Add	16.85	
06 17 53 00-0011 EA 28' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	210.82	67.15
For Up To 15, Add	5.74	
For >35, Deduct	-3.83	
For 3 In 12 Slope, Add	2.30	
For 5 In 12 Slope, Add	6.12	
For 6 In 12 Slope, Add	11.48	
For 7 In 12 Slope, Add	15.31	
For 8 In 12 Slope, Add	18.37	
06 17 53 00-0012 EA 30' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	219.96	105.75
For Up To 15, Add	5.92	
For >35, Deduct	-3.95	
For 3 In 12 Slope, Add	2.37	
For 5 In 12 Slope, Add	6.32	
For 6 In 12 Slope, Add	11.84	
For 7 In 12 Slope, Add	15.79	
For 8 In 12 Slope, Add	18.95	
06 17 53 00-0013 EA 32' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	231.21	72.18
For Up To 15, Add	6.51	
For >35, Deduct	-4.34	
For 3 In 12 Slope, Add	2.61	
For 5 In 12 Slope, Add	6.95	
For 6 In 12 Slope, Add	13.03	
For 7 In 12 Slope, Add	17.37	
For 8 In 12 Slope, Add	20.84	
06 17 53 00-0014 EA 34' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	255.21	113.34
For Up To 15, Add	7.81	
For >35, Deduct	-5.21	
For 3 In 12 Slope, Add	3.12	
For 5 In 12 Slope, Add	8.33	
For 6 In 12 Slope, Add	15.62	
For 7 In 12 Slope, Add	20.83	
For 8 In 12 Slope, Add	24.99	
06 17 53 00-0015 EA 36' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	266.77	77.21
For Up To 15, Add	8.43	
For >35, Deduct	-5.62	
For 3 In 12 Slope, Add	3.37	
For 5 In 12 Slope, Add	8.99	
For 6 In 12 Slope, Add	16.85	
For 7 In 12 Slope, Add	22.47	
For 8 In 12 Slope, Add	26.96	
06 17 53 00-0016 EA 38' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	281.16	120.86
For Up To 15, Add	9.00	
For >35, Deduct	-6.00	
For 3 In 12 Slope, Add	3.60	
For 5 In 12 Slope, Add	9.60	
For 6 In 12 Slope, Add	18.00	
For 7 In 12 Slope, Add	24.00	
For 8 In 12 Slope, Add	28.80	
06 17 53 00-0017 EA 40' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	290.44	83.93
For Up To 15, Add	9.19	
For >35, Deduct	-6.13	
For 3 In 12 Slope, Add	3.68	
For 5 In 12 Slope, Add	9.81	
For 6 In 12 Slope, Add	18.39	
For 7 In 12 Slope, Add	24.52	
For 8 In 12 Slope, Add	29.42	

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0018	EA	42'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	323.08	130.93
			<i>For Up To 15, Add</i>	11.14	
			<i>For &gt;35, Deduct</i>	-7.43	
			<i>For 3 In 12 Slope, Add</i>	4.46	
			<i>For 5 In 12 Slope, Add</i>	11.88	
			<i>For 6 In 12 Slope, Add</i>	22.28	
			<i>For 7 In 12 Slope, Add</i>	29.70	
			<i>For 8 In 12 Slope, Add</i>	35.64	
06 17 53 00-0019	EA	44'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	355.00	90.64
			<i>For Up To 15, Add</i>	13.03	
			<i>For &gt;35, Deduct</i>	-8.69	
			<i>For 3 In 12 Slope, Add</i>	5.21	
			<i>For 5 In 12 Slope, Add</i>	13.90	
			<i>For 6 In 12 Slope, Add</i>	26.06	
			<i>For 7 In 12 Slope, Add</i>	34.74	
			<i>For 8 In 12 Slope, Add</i>	41.69	
06 17 53 00-0020	EA	46'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	367.31	94.00
			<i>For Up To 15, Add</i>	13.45	
			<i>For &gt;35, Deduct</i>	-8.97	
			<i>For 3 In 12 Slope, Add</i>	5.38	
			<i>For 5 In 12 Slope, Add</i>	14.34	
			<i>For 6 In 12 Slope, Add</i>	26.90	
			<i>For 7 In 12 Slope, Add</i>	35.86	
			<i>For 8 In 12 Slope, Add</i>	43.03	
06 17 53 00-0021	EA	48'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	386.39	97.35
			<i>For Up To 15, Add</i>	14.38	
			<i>For &gt;35, Deduct</i>	-9.58	
			<i>For 3 In 12 Slope, Add</i>	5.75	
			<i>For 5 In 12 Slope, Add</i>	15.33	
			<i>For 6 In 12 Slope, Add</i>	28.75	
			<i>For 7 In 12 Slope, Add</i>	38.33	
			<i>For 8 In 12 Slope, Add</i>	46.00	
06 17 53 00-0022	EA	50'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	446.78	100.71
			<i>For Up To 15, Add</i>	18.40	
			<i>For &gt;35, Deduct</i>	-12.27	
			<i>For 3 In 12 Slope, Add</i>	7.36	
			<i>For 5 In 12 Slope, Add</i>	19.63	
			<i>For 6 In 12 Slope, Add</i>	36.80	
			<i>For 7 In 12 Slope, Add</i>	49.07	
			<i>For 8 In 12 Slope, Add</i>	58.88	
06 17 53 00-0023	EA	52'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	420.87	90.58
			<i>For Up To 15, Add</i>	16.46	
			<i>For &gt;35, Deduct</i>	-10.97	
			<i>For 3 In 12 Slope, Add</i>	6.58	
			<i>For 5 In 12 Slope, Add</i>	17.56	
			<i>For 6 In 12 Slope, Add</i>	32.92	
			<i>For 7 In 12 Slope, Add</i>	43.89	
			<i>For 8 In 12 Slope, Add</i>	52.67	
06 17 53 00-0024	EA	54'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	441.55	105.75
			<i>For Up To 15, Add</i>	17.25	
			<i>For &gt;35, Deduct</i>	-11.50	
			<i>For 3 In 12 Slope, Add</i>	6.90	
			<i>For 5 In 12 Slope, Add</i>	18.40	
			<i>For 6 In 12 Slope, Add</i>	34.51	
			<i>For 7 In 12 Slope, Add</i>	46.01	
			<i>For 8 In 12 Slope, Add</i>	55.21	
06 17 53 00-0025	EA	56'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	459.56	98.03
			<i>For Up To 15, Add</i>	18.10	
			<i>For &gt;35, Deduct</i>	-12.07	
			<i>For 3 In 12 Slope, Add</i>	7.24	
			<i>For 5 In 12 Slope, Add</i>	19.31	
			<i>For 6 In 12 Slope, Add</i>	36.20	
			<i>For 7 In 12 Slope, Add</i>	48.27	
			<i>For 8 In 12 Slope, Add</i>	57.92	
06 17 53 00-0026	EA	58'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	476.32	110.78
			<i>For Up To 15, Add</i>	19.11	
			<i>For &gt;35, Deduct</i>	-12.74	
			<i>For 3 In 12 Slope, Add</i>	7.64	
			<i>For 5 In 12 Slope, Add</i>	20.38	
			<i>For 6 In 12 Slope, Add</i>	38.21	
			<i>For 7 In 12 Slope, Add</i>	50.95	
			<i>For 8 In 12 Slope, Add</i>	61.14	
06 17 53 00-0027	EA	60'	Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	486.58	112.47
			<i>For Up To 15, Add</i>	19.62	
			<i>For &gt;35, Deduct</i>	-13.08	
			<i>For 3 In 12 Slope, Add</i>	7.85	
			<i>For 5 In 12 Slope, Add</i>	20.93	
			<i>For 6 In 12 Slope, Add</i>	39.25	
			<i>For 7 In 12 Slope, Add</i>	52.33	
			<i>For 8 In 12 Slope, Add</i>	62.80	

**06 17 53 00-0028 Pre-Assembled Wood Gable End Roof Trusses** (06 17 53)

Note: 24" on center gable studs. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0029 EA 10' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope .....	103.12	35.25
<i>For 3 In 12 Slope, Add</i>	0.98	
<i>For 5 In 12 Slope, Add</i>	2.61	
<i>For 6 In 12 Slope, Add</i>	4.89	
<i>For 7 In 12 Slope, Add</i>	6.52	
<i>For 8 In 12 Slope, Add</i>	7.83	
<i>For 16" On Center Gable Studs, Add</i>	6.52	
06 17 53 00-0030 EA 12' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope .....	115.31	38.61
<i>For 3 In 12 Slope, Add</i>	1.14	
<i>For 5 In 12 Slope, Add</i>	3.05	
<i>For 6 In 12 Slope, Add</i>	5.72	
<i>For 7 In 12 Slope, Add</i>	7.62	
<i>For 8 In 12 Slope, Add</i>	9.14	
<i>For 16" On Center Gable Studs, Add</i>	7.62	
06 17 53 00-0031 EA 14' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope .....	129.77	41.96
<i>For 3 In 12 Slope, Add</i>	1.38	
<i>For 5 In 12 Slope, Add</i>	3.67	
<i>For 6 In 12 Slope, Add</i>	6.88	
<i>For 7 In 12 Slope, Add</i>	9.17	
<i>For 8 In 12 Slope, Add</i>	11.00	
<i>For 16" On Center Gable Studs, Add</i>	9.17	
06 17 53 00-0032 EA 16' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope .....	150.21	45.32
<i>For 3 In 12 Slope, Add</i>	1.79	
<i>For 5 In 12 Slope, Add</i>	4.77	
<i>For 6 In 12 Slope, Add</i>	8.94	
<i>For 7 In 12 Slope, Add</i>	11.91	
<i>For 8 In 12 Slope, Add</i>	14.30	
<i>For 16" On Center Gable Studs, Add</i>	11.91	
06 17 53 00-0033 EA 18' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope .....	167.21	48.68
<i>For 3 In 12 Slope, Add</i>	2.10	
<i>For 5 In 12 Slope, Add</i>	5.59	
<i>For 6 In 12 Slope, Add</i>	10.48	
<i>For 7 In 12 Slope, Add</i>	13.97	
<i>For 8 In 12 Slope, Add</i>	16.77	
<i>For 16" On Center Gable Studs, Add</i>	13.97	
06 17 53 00-0034 EA 20' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope .....	180.94	53.72
<i>For 3 In 12 Slope, Add</i>	2.21	
<i>For 5 In 12 Slope, Add</i>	5.88	
<i>For 6 In 12 Slope, Add</i>	11.03	
<i>For 7 In 12 Slope, Add</i>	14.70	
<i>For 8 In 12 Slope, Add</i>	17.64	
<i>For 16" On Center Gable Studs, Add</i>	14.70	
06 17 53 00-0035 EA 22' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope .....	189.79	57.08
<i>For 3 In 12 Slope, Add</i>	2.27	
<i>For 5 In 12 Slope, Add</i>	6.05	
<i>For 6 In 12 Slope, Add</i>	11.35	
<i>For 7 In 12 Slope, Add</i>	15.13	
<i>For 8 In 12 Slope, Add</i>	18.16	
<i>For 16" On Center Gable Studs, Add</i>	15.13	
06 17 53 00-0036 EA 24' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope .....	202.92	60.43
<i>For 3 In 12 Slope, Add</i>	2.46	
<i>For 5 In 12 Slope, Add</i>	6.56	
<i>For 6 In 12 Slope, Add</i>	12.31	
<i>For 7 In 12 Slope, Add</i>	16.41	
<i>For 8 In 12 Slope, Add</i>	19.69	
<i>For 16" On Center Gable Studs, Add</i>	16.41	
06 17 53 00-0037 EA 26' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope .....	216.74	63.79
<i>For 3 In 12 Slope, Add</i>	2.68	
<i>For 5 In 12 Slope, Add</i>	7.13	
<i>For 6 In 12 Slope, Add</i>	13.38	
<i>For 7 In 12 Slope, Add</i>	17.83	
<i>For 8 In 12 Slope, Add</i>	21.40	
<i>For 16" On Center Gable Studs, Add</i>	17.83	
06 17 53 00-0038 EA 28' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope .....	231.50	67.15
<i>For 3 In 12 Slope, Add</i>	2.92	
<i>For 5 In 12 Slope, Add</i>	7.78	
<i>For 6 In 12 Slope, Add</i>	14.58	
<i>For 7 In 12 Slope, Add</i>	19.44	
<i>For 8 In 12 Slope, Add</i>	23.33	
<i>For 16" On Center Gable Studs, Add</i>	19.44	
06 17 53 00-0039 EA 30' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope .....	242.14	70.50
<i>For 3 In 12 Slope, Add</i>	3.03	
<i>For 5 In 12 Slope, Add</i>	8.09	
<i>For 6 In 12 Slope, Add</i>	15.17	
<i>For 7 In 12 Slope, Add</i>	20.23	
<i>For 8 In 12 Slope, Add</i>	24.27	
<i>For 16" On Center Gable Studs, Add</i>	20.23	
06 17 53 00-0040 EA 32' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope .....	255.62	72.18
<i>For 3 In 12 Slope, Add</i>	3.34	
<i>For 5 In 12 Slope, Add</i>	8.90	
<i>For 6 In 12 Slope, Add</i>	16.69	
<i>For 7 In 12 Slope, Add</i>	22.25	
<i>For 8 In 12 Slope, Add</i>	26.70	
<i>For 16" On Center Gable Studs, Add</i>	22.25	

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0041	EA	34'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	284.47	75.54
			<i>For 3 In 12 Slope, Add</i>	4.00	
			<i>For 5 In 12 Slope, Add</i>	10.67	
			<i>For 6 In 12 Slope, Add</i>	20.01	
			<i>For 7 In 12 Slope, Add</i>	26.68	
			<i>For 8 In 12 Slope, Add</i>	32.02	
			<i>For 16" On Center Gable Studs, Add</i>	26.68	
06 17 53 00-0042	EA	36'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	298.34	77.21
			<i>For 3 In 12 Slope, Add</i>	4.32	
			<i>For 5 In 12 Slope, Add</i>	11.51	
			<i>For 6 In 12 Slope, Add</i>	21.59	
			<i>For 7 In 12 Slope, Add</i>	28.78	
			<i>For 8 In 12 Slope, Add</i>	34.54	
			<i>For 16" On Center Gable Studs, Add</i>	28.78	
06 17 53 00-0043	EA	38'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	314.88	80.57
			<i>For 3 In 12 Slope, Add</i>	4.61	
			<i>For 5 In 12 Slope, Add</i>	12.30	
			<i>For 6 In 12 Slope, Add</i>	23.06	
			<i>For 7 In 12 Slope, Add</i>	30.75	
			<i>For 8 In 12 Slope, Add</i>	36.90	
			<i>For 16" On Center Gable Studs, Add</i>	30.75	
06 17 53 00-0044	EA	40'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	334.78	83.93
			<i>For 3 In 12 Slope, Add</i>	5.01	
			<i>For 5 In 12 Slope, Add</i>	13.35	
			<i>For 6 In 12 Slope, Add</i>	25.04	
			<i>For 7 In 12 Slope, Add</i>	33.38	
			<i>For 8 In 12 Slope, Add</i>	40.06	
			<i>For 16" On Center Gable Studs, Add</i>	33.38	
06 17 53 00-0045	EA	42'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	376.79	87.28
			<i>For 3 In 12 Slope, Add</i>	6.07	
			<i>For 5 In 12 Slope, Add</i>	16.18	
			<i>For 6 In 12 Slope, Add</i>	30.33	
			<i>For 7 In 12 Slope, Add</i>	40.44	
			<i>For 8 In 12 Slope, Add</i>	48.53	
			<i>For 16" On Center Gable Studs, Add</i>	40.44	
06 17 53 00-0046	EA	44'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	417.84	90.64
			<i>For 3 In 12 Slope, Add</i>	7.10	
			<i>For 5 In 12 Slope, Add</i>	18.92	
			<i>For 6 In 12 Slope, Add</i>	35.48	
			<i>For 7 In 12 Slope, Add</i>	47.31	
			<i>For 8 In 12 Slope, Add</i>	56.77	
			<i>For 16" On Center Gable Studs, Add</i>	47.31	
06 17 53 00-0047	EA	46'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	432.17	94.00
			<i>For 3 In 12 Slope, Add</i>	7.33	
			<i>For 5 In 12 Slope, Add</i>	19.53	
			<i>For 6 In 12 Slope, Add</i>	36.63	
			<i>For 7 In 12 Slope, Add</i>	48.83	
			<i>For 8 In 12 Slope, Add</i>	58.60	
			<i>For 16" On Center Gable Studs, Add</i>	48.83	
06 17 53 00-0048	EA	48'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	455.72	97.35
			<i>For 3 In 12 Slope, Add</i>	7.83	
			<i>For 5 In 12 Slope, Add</i>	20.88	
			<i>For 6 In 12 Slope, Add</i>	39.15	
			<i>For 7 In 12 Slope, Add</i>	52.20	
			<i>For 8 In 12 Slope, Add</i>	62.64	
			<i>For 16" On Center Gable Studs, Add</i>	52.20	
06 17 53 00-0049	EA	50'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	500.92	100.71
			<i>For 3 In 12 Slope, Add</i>	8.98	
			<i>For 5 In 12 Slope, Add</i>	23.96	
			<i>For 6 In 12 Slope, Add</i>	44.92	
			<i>For 7 In 12 Slope, Add</i>	59.90	
			<i>For 8 In 12 Slope, Add</i>	71.88	
			<i>For 16" On Center Gable Studs, Add</i>	59.90	
06 17 53 00-0050	EA	52'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	511.63	104.07
			<i>For 3 In 12 Slope, Add</i>	9.10	
			<i>For 5 In 12 Slope, Add</i>	24.28	
			<i>For 6 In 12 Slope, Add</i>	45.52	
			<i>For 7 In 12 Slope, Add</i>	60.70	
			<i>For 8 In 12 Slope, Add</i>	72.84	
			<i>For 16" On Center Gable Studs, Add</i>	60.70	
06 17 53 00-0051	EA	54'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	529.66	105.75
			<i>For 3 In 12 Slope, Add</i>	9.54	
			<i>For 5 In 12 Slope, Add</i>	25.45	
			<i>For 6 In 12 Slope, Add</i>	47.72	
			<i>For 7 In 12 Slope, Add</i>	63.63	
			<i>For 8 In 12 Slope, Add</i>	76.36	
			<i>For 16" On Center Gable Studs, Add</i>	63.63	
06 17 53 00-0052	EA	56'	Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	551.99	109.11
			<i>For 3 In 12 Slope, Add</i>	10.01	
			<i>For 5 In 12 Slope, Add</i>	26.70	
			<i>For 6 In 12 Slope, Add</i>	50.07	
			<i>For 7 In 12 Slope, Add</i>	66.76	
			<i>For 8 In 12 Slope, Add</i>	80.11	
			<i>For 16" On Center Gable Studs, Add</i>	66.76	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0053	EA			58' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope .....	573.87	110.78
				<i>For 3 In 12 Slope, Add</i>	10.57	
				<i>For 5 In 12 Slope, Add</i>	28.18	
				<i>For 6 In 12 Slope, Add</i>	52.85	
				<i>For 7 In 12 Slope, Add</i>	70.46	
				<i>For 8 In 12 Slope, Add</i>	84.55	
				<i>For 16" On Center Gable Studs, Add</i>	70.46	
06 17 53 00-0054	EA			60' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope .....	586.78	112.47
				<i>For 3 In 12 Slope, Add</i>	10.86	
				<i>For 5 In 12 Slope, Add</i>	28.95	
				<i>For 6 In 12 Slope, Add</i>	54.28	
				<i>For 7 In 12 Slope, Add</i>	72.37	
				<i>For 8 In 12 Slope, Add</i>	86.84	
				<i>For 16" On Center Gable Studs, Add</i>	72.37	

### 06 18 Glued-Laminated Construction (06 10)

#### 06 18 13 Glued-Laminated Beams (06 18)

#### 06 18 13 00-0001 Glue Laminated Straight Beams (06 18 13)

Note: Based on southern yellow pine or hemlock lumber with waterproof glue and factor applied sealer.

06 18 13 00-0002	LF	3-1/2" x 6" Glue Laminated Straight Beam .....	5.50	1.23
06 18 13 00-0003	LF	3-1/2" x 7-1/2" Glue Laminated Straight Beam .....	6.87	1.53
06 18 13 00-0004	LF	3-1/2" x 9" Glue Laminated Straight Beam .....	8.24	1.83
06 18 13 00-0005	LF	3-1/2" x 9-1/2" Glue Laminated Straight Beam .....	8.70	1.94
06 18 13 00-0006	LF	3-1/2" x 10-1/2" Glue Laminated Straight Beam .....	9.62	2.14
06 18 13 00-0007	LF	3-1/2" x 12" Glue Laminated Straight Beam .....	11.00	2.44
06 18 13 00-0008	LF	3-1/2" x 13-1/2" Glue Laminated Straight Beam .....	12.38	2.75
06 18 13 00-0009	LF	3-1/2" x 14" Glue Laminated Straight Beam .....	12.83	2.86
06 18 13 00-0010	LF	3-1/2" x 15" Glue Laminated Straight Beam .....	13.75	3.06
06 18 13 00-0011	LF	3-1/2" x 16" Glue Laminated Straight Beam .....	14.66	3.26
06 18 13 00-0012	LF	3-1/2" x 16-1/2" Glue Laminated Straight Beam .....	15.11	3.36
06 18 13 00-0013	LF	3-1/2" x 18" Glue Laminated Straight Beam .....	16.49	3.67
06 18 13 00-0014	LF	3-1/2" x 19-1/2" Glue Laminated Straight Beam .....	17.86	3.97
06 18 13 00-0015	LF	3-1/2" x 21" Glue Laminated Straight Beam .....	19.24	4.29
06 18 13 00-0016	LF	3-1/2" x 22.5" Glue Laminated Straight Beam .....	20.62	4.59
06 18 13 00-0017	LF	5-1/2" x 6" Glue Laminated Straight Beam .....	8.64	1.92
06 18 13 00-0018	LF	5-1/2" x 7-1/2" Glue Laminated Straight Beam .....	10.79	2.40
06 18 13 00-0019	LF	5-1/2" x 9" Glue Laminated Straight Beam .....	12.96	2.88
06 18 13 00-0020	LF	5-1/2" x 9-1/2" Glue Laminated Straight Beam .....	13.67	3.05
06 18 13 00-0021	LF	5-1/2" x 10-1/2" Glue Laminated Straight Beam .....	15.11	3.36
06 18 13 00-0022	LF	5-1/2" x 12" Glue Laminated Straight Beam .....	17.29	3.84
06 18 13 00-0023	LF	5-1/2" x 13-1/2" Glue Laminated Straight Beam .....	19.44	4.33
06 18 13 00-0024	LF	5-1/2" x 14" Glue Laminated Straight Beam .....	20.15	4.49
06 18 13 00-0025	LF	5-1/2" x 15" Glue Laminated Straight Beam .....	21.60	4.81
06 18 13 00-0026	LF	5-1/2" x 16" Glue Laminated Straight Beam .....	23.03	5.12
06 18 13 00-0027	LF	5-1/2" x 16-1/2" Glue Laminated Straight Beam .....	23.76	5.29
06 18 13 00-0028	LF	5-1/2" x 18" Glue Laminated Straight Beam .....	25.92	5.77
06 18 13 00-0029	LF	5-1/2" x 19-1/2" Glue Laminated Straight Beam .....	28.08	6.25
06 18 13 00-0030	LF	5-1/2" x 21" Glue Laminated Straight Beam .....	30.24	6.73
06 18 13 00-0031	LF	5-1/2" x 22.5" Glue Laminated Straight Beam .....	32.40	7.21
06 18 13 00-0032	LF	5-1/2" x 24" Glue Laminated Straight Beam .....	34.56	7.69
06 18 13 00-0033	LF	6-3/4" x 9" Glue Laminated Straight Beam .....	15.91	3.54
06 18 13 00-0034	LF	6-3/4" x 9-1/2" Glue Laminated Straight Beam .....	16.78	3.73
06 18 13 00-0035	LF	6-3/4" x 10-1/2" Glue Laminated Straight Beam .....	18.55	4.12
06 18 13 00-0036	LF	6-3/4" x 12" Glue Laminated Straight Beam .....	21.21	4.72
06 18 13 00-0037	LF	6-3/4" x 13-1/2" Glue Laminated Straight Beam .....	23.86	5.31
06 18 13 00-0038	LF	6-3/4" x 14" Glue Laminated Straight Beam .....	24.73	5.50
06 18 13 00-0039	LF	6-3/4" x 15" Glue Laminated Straight Beam .....	26.50	5.89
06 18 13 00-0040	LF	6-3/4" x 16" Glue Laminated Straight Beam .....	28.27	6.29
06 18 13 00-0041	LF	6-3/4" x 16-1/2" Glue Laminated Straight Beam .....	29.16	6.49
06 18 13 00-0042	LF	6-3/4" x 18" Glue Laminated Straight Beam .....	31.81	7.07
06 18 13 00-0043	LF	6-3/4" x 19-1/2" Glue Laminated Straight Beam .....	34.45	7.67
06 18 13 00-0044	LF	6-3/4" x 21" Glue Laminated Straight Beam .....	37.11	8.26
06 18 13 00-0045	LF	6-3/4" x 22.5" Glue Laminated Straight Beam .....	39.76	8.84
06 18 13 00-0046	LF	6-3/4" x 24" Glue Laminated Straight Beam .....	42.40	9.44
06 18 13 00-0047	LF	8-3/4" x 9" Glue Laminated Straight Beam .....	20.62	4.59
06 18 13 00-0048	LF	8-3/4" x 9-1/2" Glue Laminated Straight Beam .....	21.76	4.84
06 18 13 00-0049	LF	8-3/4" x 10-1/2" Glue Laminated Straight Beam .....	24.05	5.35
06 18 13 00-0050	LF	8-3/4" x 12" Glue Laminated Straight Beam .....	27.48	6.11
06 18 13 00-0051	LF	8-3/4" x 13-1/2" Glue Laminated Straight Beam .....	30.93	6.88
06 18 13 00-0052	LF	8-3/4" x 14" Glue Laminated Straight Beam .....	32.07	7.13
06 18 13 00-0053	LF	8-3/4" x 15" Glue Laminated Straight Beam .....	34.36	7.64
06 18 13 00-0054	LF	8-3/4" x 16" Glue Laminated Straight Beam .....	36.65	8.16
06 18 13 00-0055	LF	8-3/4" x 16-1/2" Glue Laminated Straight Beam .....	37.80	8.41
06 18 13 00-0056	LF	8-3/4" x 18" Glue Laminated Straight Beam .....	41.23	9.17
06 18 13 00-0057	LF	8-3/4" x 19-1/2" Glue Laminated Straight Beam .....	44.67	9.93
06 18 13 00-0058	LF	8-3/4" x 21" Glue Laminated Straight Beam .....	48.11	10.70
06 18 13 00-0059	LF	8-3/4" x 22.5" Glue Laminated Straight Beam .....	51.53	11.47
06 18 13 00-0060	LF	8-3/4" x 24" Glue Laminated Straight Beam .....	54.98	12.23

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 18 Glued-Laminated Construction**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
06 18 13 00-0061		<b>Glue Laminated Decking</b> <small>(06 18 13)</small>		
06 18 13 00-0062	LF	2" - 4" Thick x 4" Wide Glue Laminated Decking .....	2.66	0.68
06 18 13 00-0063	LF	2" - 4" Thick x 6" Wide Glue Laminated Decking .....	2.69	0.68
06 18 13 00-0064	LF	2" - 4" Thick x 8" Wide Glue Laminated Decking .....	2.73	0.65
06 18 16		<b>Glued-Laminated Columns</b> <small>(06 18)</small>		
06 18 16 00-0001		<b>Glue Laminated Structural Units</b> <small>(06 18 16)</small>		
		Note: Based on southern yellow pine or hemlock lumber in 2" laminations with waterproof glue and factor applied sealer.		
06 18 16 00-0002	LF	3-1/4" x 7-1/2" Glue Laminated Purlin Or Column.....	8.47	1.40
06 18 16 00-0003	LF	3-1/4" x 9-1/4" Glue Laminated Purlin Or Column.....	9.55	1.55
06 18 16 00-0004	LF	5-1/4" x 9-1/4" Glue Laminated Purlin Or Column.....	17.40	3.31
06 18 16 00-0005	LF	5-1/4" x 13" Glue Laminated Purlin Or Column.....	19.34	3.47
06 20		<b>Finish Carpentry</b> <small>(06)</small>		
06 22		<b>Millwork</b> <small>(06 20)</small>		
06 22 13		<b>Standard Pattern Wood Trim</b> <small>(06 22)</small>		
06 22 13 00-0001		<b>Pine Moldings (All Dimensions Are Nominal)</b> <small>(06 22 13)</small>		
06 22 13 00-0002	LF	1/4" x 1-1/4" Wood Lattice Strip .....	1.62	0.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.15	
06 22 13 00-0003	LF	1/4" x 1-5/8" Wood Lattice Strip .....	1.73	0.31
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.15	
06 22 13 00-0004	LF	1/4" x 2-1/2" Wood Lattice Strip .....	2.37	0.31
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.15	
06 22 13 00-0005	LF	1/4" x 3-1/2" Wood Lattice Strip .....	2.75	0.31
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.15	
06 22 13 00-0006		<b>Ceilings (All Dimensions Are Nominal)</b> <small>(06 22 13)</small>		
06 22 13 00-0007		<b>White Pine</b> <small>(06 22 13 00-0006)</small>		
06 22 13 00-0008	LF	9/16" x 3-5/8" White Pine Crown Or Bed Molding.....	8.66	1.38
		For Birch, Add	2.41	
		For Mahogany, Oak, Maple Or Walnut, Add	3.21	
		For Poplar, Add	1.34	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.45	
		For Stain Grade Material (No Finger Joints), Add	0.87	
06 22 13 00-0009	LF	11/16" x 4-5/8" White Pine Crown Or Bed Molding.....	11.92	1.65
		For Birch, Add	3.44	
		For Mahogany, Oak, Maple Or Walnut, Add	4.54	
		For Poplar, Add	1.91	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.54	
		For Stain Grade Material (No Finger Joints), Add	1.24	
06 22 13 00-0010	LF	3/4" x 3/4" White Pine Crown Or Bed Molding.....	3.56	0.94
		For Birch, Add	0.72	
		For Mahogany, Oak, Maple Or Walnut, Add	1.05	
		For Poplar, Add	0.40	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.36	
		For Stain Grade Material (No Finger Joints), Add	0.26	
06 22 13 00-0011	LF	9/16" x 1-5/8" White Pine Crown Or Bed Molding.....	4.29	0.94
		For Birch, Add	0.98	
		For Mahogany, Oak, Maple Or Walnut, Add	1.38	
		For Poplar, Add	0.54	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.36	
		For Stain Grade Material (No Finger Joints), Add	0.35	
06 22 13 00-0012	LF	9/16" x 2-1/4" White Pine Crown Or Bed Molding.....	5.73	1.18
		For Birch, Add	1.36	
		For Mahogany, Oak, Maple Or Walnut, Add	1.89	
		For Poplar, Add	0.75	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.45	
		For Stain Grade Material (No Finger Joints), Add	0.49	
06 22 13 00-0013	LF	3/4" x 3-1/2" White Pine Crown Or Bed Molding.....	6.93	1.18
		For Birch, Add	1.79	
		For Mahogany, Oak, Maple Or Walnut, Add	2.43	
		For Poplar, Add	0.99	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.45	
		For Stain Grade Material (No Finger Joints), Add	0.65	
06 22 13 00-0014	LF	5/8" x 4-1/4" White Pine Crown Or Bed Molding.....	8.71	1.42
		For Birch, Add	2.29	
		For Mahogany, Oak, Maple Or Walnut, Add	3.09	
		For Poplar, Add	1.27	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.54	
		For Stain Grade Material (No Finger Joints), Add	0.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 22 13 00-0015 LF 1" x 2" White Pine Dentil Molding .....	3.75	1.10
For Birch, Add	0.78	
For Mahogany, Oak, Maple Or Walnut, Add	1.14	
For Poplar, Add	0.44	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.36	
For Stain Grade Material (No Finger Joints), Add	0.28	
06 22 13 00-0016 LF 9/16" x 1-3/4" White Pine Cove Molding .....	3.33	0.82
For Birch, Add	0.77	
For Mahogany, Oak, Maple Or Walnut, Add	1.09	
For Poplar, Add	0.43	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.27	
For Stain Grade Material (No Finger Joints), Add	0.28	
06 22 13 00-0017 LF 11/16" x 2-3/4" White Pine Cove Molding .....	5.62	0.82
For Birch, Add	1.60	
For Mahogany, Oak, Maple Or Walnut, Add	2.12	
For Poplar, Add	0.89	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.27	
For Stain Grade Material (No Finger Joints), Add	0.58	
06 22 13 00-0018 LF 3/8" x 3/8" White Pine Cove Molding .....	1.84	0.48
For Birch, Add	0.37	
For Mahogany, Oak, Maple Or Walnut, Add	0.54	
For Poplar, Add	0.20	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.19	
For Stain Grade Material (No Finger Joints), Add	0.13	
06 22 13 00-0019 LF 1/2" x 1/2" White Pine Cove Molding .....	2.09	0.48
For Birch, Add	0.46	
For Mahogany, Oak, Maple Or Walnut, Add	0.65	
For Poplar, Add	0.25	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.19	
For Stain Grade Material (No Finger Joints), Add	0.17	
06 22 13 00-0020 LF 5/8" x 5/8" White Pine Cove Molding .....	2.90	0.59
For Birch, Add	0.69	
For Mahogany, Oak, Maple Or Walnut, Add	0.96	
For Poplar, Add	0.38	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.23	
For Stain Grade Material (No Finger Joints), Add	0.25	
06 22 13 00-0021 LF 3/4" x 3/4" White Pine Cove Molding .....	2.90	0.59
For Birch, Add	0.69	
For Mahogany, Oak, Maple Or Walnut, Add	0.96	
For Poplar, Add	0.38	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.23	
For Stain Grade Material (No Finger Joints), Add	0.25	
06 22 13 00-0022 LF 15/16" x 15/16" White Pine Cove Molding .....	4.06	0.59
For Birch, Add	1.11	
For Mahogany, Oak, Maple Or Walnut, Add	1.48	
For Poplar, Add	0.62	
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.23	
For Stain Grade Material (No Finger Joints), Add	0.40	
06 22 13 00-0023 LF 7-1/2" Wide Mullion Covers .....	31.66	0.71
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.32	
06 22 13 00-0024 LF Three Piece Mullion Trim, 2 Cove Moldings .....	40.48	0.71
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.32	
<b>06 22 13 00-0025 Cedar Trim</b> <small>(06 22 13 00-0006)</small>		
06 22 13 00-0026 LF 2" x 4" Cedar Ceiling Trim .....	6.16	2.00
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.66	
<b>06 22 13 00-0027 Oak Trim</b> <small>(06 22 13 00-0006)</small>		
06 22 13 00-0028 LF 1" x 8" Clear Oak Ceiling Trim .....	6.73	1.83
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.61	
<b>06 22 13 00-0029 Closet Poles</b> <small>(06 22 13)</small>		
06 22 13 00-0030 LF 1-1/8" Diameter Pine Closet Poles .....	4.21	1.02
06 22 13 00-0031 LF 1-5/8" Diameter Pine Closet Poles .....	7.33	1.02
06 22 13 00-0032 LF 2" Diameter Pine Closet Poles .....	10.87	1.13

**06 25 Prefinished Paneling** (06 20)

**06 25 16 Prefinished Plywood Paneling** (06 25)

06 25 16 00-0001 Hardboard Panels (06 25 16)  
 Note: Excludes furring and trim.

06 25 16 00-0002 Tempered Hardboard Panels (06 25 16 00-0001)



**06 Wood, Plastics, and Composites****06 20 Finish Carpentry****06 25 Prefinished Paneling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 25 16 00-0003	SF		1/4" Tempered Hardboard Panels .....	2.40	0.72
			For Waterproof Glue, Add	0.05	
			For Ceiling Installation, Add	0.49	
			For Glue Laminated Installation, Add	0.12	
			For 1/8" Thick Paneling, Deduct	-0.24	
			For 1/2" Thick Paneling, Add	0.61	
			For 5/8" Thick Paneling, Add	0.77	
			For 3/4" Thick Paneling, Add	0.98	
			For Fire Retardant Treatment (Class I), Add	0.61	
06 25 16 00-0004	SF		1/4" Plastic Faced Tempered Hardboard Panels .....	2.62	0.88
			For Waterproof Glue, Add	0.05	
			For Ceiling Installation, Add	0.58	
			For Glue Laminated Installation, Add	0.13	
			For 1/8" Thick Paneling, Deduct	-0.25	
			For 1/2" Thick Paneling, Add	0.61	
			For 5/8" Thick Paneling, Add	0.76	
			For 3/4" Thick Paneling, Add	0.94	
			For Fire Retardant Treatment (Class I), Add	0.55	
06 25 16 00-0005	SF		1/4" Pegboard Tempered Hardboard Panels .....	2.92	0.72
			For Waterproof Glue, Add	0.09	
			For Ceiling Installation, Add	0.49	
			For Glue Laminated Installation, Add	0.15	
			For 1/8" Thick Paneling, Deduct	-0.33	
			For 1/2" Thick Paneling, Add	0.89	
			For 5/8" Thick Paneling, Add	1.16	
			For 3/4" Thick Paneling, Add	1.51	
			For Fire Retardant Treatment (Class I), Add	1.02	
06 25 16 00-0006	SF		1/4" Plastic Faced Pegboard Tempered Hardboard .....	2.78	0.88
			For Waterproof Glue, Add	0.06	
			For Ceiling Installation, Add	0.58	
			For Glue Laminated Installation, Add	0.14	
			For 1/8" Thick Paneling, Deduct	-0.28	
			For 1/2" Thick Paneling, Add	0.69	
			For 5/8" Thick Paneling, Add	0.88	
			For 3/4" Thick Paneling, Add	1.11	
			For Fire Retardant Treatment (Class I), Add	0.68	
06 25 16 00-0007			<b>Untempered Hardboard Panels</b> (06 25 16 00-0001)		
06 25 16 00-0008	SF		1/4" Untempered Hardboard Panels .....	2.23	0.72
			For Waterproof Glue, Add	0.04	
			For Glue Laminated Installation, Add	0.11	
			For Lumber Core, Add	0.07	
			For Fire Retardant Treatment (Class I), Add	0.47	

**06 40 Architectural Woodwork** (06)**06 41 Architectural Wood Casework** (06 40)**06 41 13 Wood-Veneer-Faced Architectural Cabinets** (06 41)**06 41 13 00-0001 Wall And Base Cabinets** (06 41 13)

Note: Kitchen cabinets are constructed of 3/8" and 1/2" thick laminated particleboard with corner braces. Shelves are 3/4" laminated particleboard. The face frame is 3/4" x 1-1/2" solid wood. Hinges are 6 way adjustable, fully concealed steel. Drawers are 1/2" thick laminated particleboard boxes with 3/8" laminated particleboard bottoms. Drawer guides are side mounted, epoxy coated double rails. Excludes door or drawer pull hardware.

**06 41 13 00-0002 Solid Maple Face Frame And Door, Wall And Base Cabinets** (06 41 13 00-0001)**06 41 13 00-0003 Base Cabinets, 35" High, 23-3/4" Deep** (06 41 13 00-0002)

06 41 13 00-0004	EA		12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	219.15	7.86
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	70.80	
			For All Plywood Box Construction, Add	73.80	
06 41 13 00-0005	EA		15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	233.79	9.82
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	70.80	
			For All Plywood Box Construction, Add	73.80	
06 41 13 00-0006	EA		18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	244.79	11.79
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	70.80	
			For All Plywood Box Construction, Add	73.80	
06 41 13 00-0007	EA		21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	258.10	13.76
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	70.80	
			For All Plywood Box Construction, Add	73.80	
06 41 13 00-0008	EA		24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	296.39	15.72
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	70.80	
			For All Plywood Box Construction, Add	73.80	
06 41 13 00-0009	EA		27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	310.58	17.68
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	70.80	
			For All Plywood Box Construction, Add	73.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0010 EA 30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	337.18	19.65
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	70.80	
<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0011 EA 33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	355.89	21.61
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	70.80	
<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0012 EA 36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	366.97	23.58
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	70.80	
<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0013 EA 48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	420.27	31.44
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	141.60	
<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0014 EA 30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	471.58	19.65
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	141.60	
<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0015 EA 36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	524.77	23.58
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	141.60	
<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0016 EA 30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	496.18	19.65
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	212.40	
<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0017 EA 36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	555.37	23.58
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	212.40	
<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0018 EA 12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	222.75	7.86
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	212.40	
<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0019 EA 15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	227.79	9.82
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	212.40	
<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0020 EA 18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	250.19	11.79
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	212.40	
<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0021 EA 21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	267.10	13.76
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	212.40	
<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0022 EA 24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	278.99	15.72
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	212.40	
<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0023 EA 27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	293.78	17.68
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	212.40	
<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0024 EA 30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	494.98	19.65
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	212.40	
<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0025 EA 33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	522.69	21.61
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	212.40	
<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0026 EA 36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	549.97	23.58
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	212.40	
<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0027 EA 12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	277.95	7.86
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	283.20	
<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0028 EA 15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	283.59	9.82
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	283.20	
<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0029 EA 18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	308.99	11.79
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	283.20	
<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0030 EA 21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	329.50	13.76
<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	283.20	
<i>For All Plywood Box Construction, Add</i>	73.80	

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0031	EA		24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	347.39	15.72
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	283.20	
			<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0032	EA		27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	365.78	17.68
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	283.20	
			<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0033	EA		30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	520.18	19.65
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	283.20	
			<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0034	EA		33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	550.89	21.61
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	283.20	
			<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0035	EA		36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	582.37	23.58
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	283.20	
			<i>For All Plywood Box Construction, Add</i>	73.80	
<b>06 41 13 00-0036</b>			<b>Wall Cabinet, 12" High, 12" Deep</b> (06 41 13 00-0002)		
06 41 13 00-0037	EA		30" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet.....	194.55	19.65
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0038	EA		33" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet.....	208.67	21.61
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0039	EA		36" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet.....	230.50	23.58
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0040	EA		39" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet.....	247.30	25.55
			<i>For All Plywood Box Construction, Add</i>	39.60	
<b>06 41 13 00-0041</b>			<b>Wall Cabinets, 14" High, 12" Deep</b> (06 41 13 00-0002)		
06 41 13 00-0042	EA		12" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	164.47	7.86
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0043	EA		15" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	168.25	9.82
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0044	EA		18" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	176.84	11.79
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0045	EA		21" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	181.22	13.76
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0046	EA		24" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	186.21	15.72
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0047	EA		30" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	195.39	19.65
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0048	EA		33" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	209.99	21.61
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0049	EA		36" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	230.50	23.58
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0050	EA		39" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	247.30	25.55
			<i>For All Plywood Box Construction, Add</i>	39.60	
<b>06 41 13 00-0051</b>			<b>Wall Cabinets, 18" High, 12" Deep</b> (06 41 13 00-0002)		
06 41 13 00-0052	EA		12" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	171.67	7.86
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0053	EA		15" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	180.85	9.82
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0054	EA		18" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	187.64	11.79
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0055	EA		21" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	195.02	13.76
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0056	EA		24" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	205.41	15.72
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0057	EA		27" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	217.81	17.69
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0058	EA		30" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	228.99	19.65
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0059	EA		33" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	237.59	21.61
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0060	EA		36" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet.....	242.50	23.58
			<i>For All Plywood Box Construction, Add</i>	39.60	
<b>06 41 13 00-0061</b>			<b>Wall Cabinets, 30" High, 12" Deep</b> (06 41 13 00-0002)		
06 41 13 00-0062	EA		12" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	183.38	7.86
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0063	EA		15" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	200.98	9.82
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0064	EA		18" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	215.49	11.79
			<i>For All Plywood Box Construction, Add</i>	39.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0065 EA 21" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	233.32	13.76
<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0066 EA 24" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	250.57	15.72
<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0067 EA 27" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet .....	276.76	17.69
<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0068 EA 30" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet .....	283.75	19.65
<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0069 EA 33" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet .....	311.00	21.61
<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0070 EA 36" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet .....	320.24	23.58
<i>For All Plywood Box Construction, Add</i>	39.60	
<b>06 41 13 00-0071 Wall Cabinets, 36" High, 12" Deep (06 41 13 00-0002)</b>		
06 41 13 00-0072 EA 12" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	209.18	7.86
<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0073 EA 15" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	227.98	9.82
<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0074 EA 18" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	244.29	11.79
<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0075 EA 21" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	263.32	13.76
<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0076 EA 24" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	312.37	15.72
<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0077 EA 27" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet .....	313.96	17.69
<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0078 EA 30" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet .....	325.75	19.65
<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0079 EA 33" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet .....	357.80	21.61
<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0080 EA 36" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet .....	367.04	23.58
<i>For All Plywood Box Construction, Add</i>	39.60	
<b>06 41 13 00-0081 Wall Cabinets, 42" High, 12" Deep (06 41 13 00-0002)</b>		
06 41 13 00-0082 EA 12" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	236.18	7.86
<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0083 EA 15" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	259.18	9.82
<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0084 EA 18" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	276.69	11.79
<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0085 EA 21" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	295.12	13.76
<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0086 EA 24" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet.....	323.17	15.72
<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0087 EA 27" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet .....	346.36	17.69
<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0088 EA 30" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet .....	365.35	19.65
<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0089 EA 33" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet .....	401.60	21.61
<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0090 EA 36" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet .....	413.84	23.58
<i>For All Plywood Box Construction, Add</i>	39.60	
<b>06 41 13 00-0091 Wall Cabinets, 12" High, 23-3/4" Deep (06 41 13 00-0002)</b>		
06 41 13 00-0092 EA 30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet .....	222.58	19.65
<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0093 EA 33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet .....	240.09	21.61
<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0094 EA 36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet .....	258.97	23.58
<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0095 EA 39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet .....	281.34	25.55
<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0096 EA 48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Maple Face Frame and Door, Wall Cabinet.....	336.13	31.44
<i>For All Plywood Box Construction, Add</i>	39.60	
<b>06 41 13 00-0097 Utility Cabinets, 84" High x 12" Deep (06 41 13 00-0002)</b>		
06 41 13 00-0098 EA 15" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet .....	420.47	17.47
<i>For All Plywood Box Construction, Add</i>	146.40	
06 41 13 00-0099 EA 18" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet .....	477.91	20.95
<i>For All Plywood Box Construction, Add</i>	146.40	
06 41 13 00-0100 EA 21" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet .....	539.55	164.17
<i>For All Plywood Box Construction, Add</i>	146.40	
06 41 13 00-0101 EA 24" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet .....	565.79	27.95
<i>For All Plywood Box Construction, Add</i>	146.40	
06 41 13 00-0102 EA 30" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	693.43	34.93
<i>For All Plywood Box Construction, Add</i>	146.40	
06 41 13 00-0103 EA 36" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	805.47	41.92
<i>For All Plywood Box Construction, Add</i>	146.40	

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0104	EA		15" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	481.67	17.47
			<i>For All Plywood Box Construction, Add</i>	146.40	
06 41 13 00-0105	EA		18" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	533.71	20.95
			<i>For All Plywood Box Construction, Add</i>	146.40	
06 41 13 00-0106	EA		21" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	612.75	24.45
			<i>For All Plywood Box Construction, Add</i>	146.40	
06 41 13 00-0107	EA		24" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	650.39	27.95
			<i>For All Plywood Box Construction, Add</i>	146.40	
06 41 13 00-0108	EA		30" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	817.63	34.93
			<i>For All Plywood Box Construction, Add</i>	146.40	
06 41 13 00-0109	EA		36" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	939.87	41.92
			<i>For All Plywood Box Construction, Add</i>	146.40	
<b>06 41 13 00-0110</b>			<b>Solid Oak Face Frame And Door, Wall And Base Cabinets</b> (06 41 13 00-0001)		
<b>06 41 13 00-0111</b>			<b>Base Cabinets, 35" High, 23-3/4" Deep</b> (06 41 13 00-0110)		
06 41 13 00-0112	EA		12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	195.75	7.86
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	70.80	
			<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0113	EA		15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	208.59	9.82
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	70.80	
			<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0114	EA		18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	218.39	11.79
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	70.80	
			<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0115	EA		21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	230.50	13.76
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	70.80	
			<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0116	EA		24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	263.99	15.72
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	70.80	
			<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0117	EA		27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	276.98	17.68
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	70.80	
			<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0118	EA		30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	299.98	19.65
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	70.80	
			<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0119	EA		33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	316.89	21.61
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	70.80	
			<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0120	EA		36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	326.77	23.58
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	70.80	
			<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0121	EA		48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	374.07	31.44
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	141.60	
			<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0122	EA		30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet .....	418.78	19.65
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	141.60	
			<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0123	EA		36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet .....	465.37	23.58
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	141.60	
			<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0124	EA		30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet .....	440.38	19.65
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	212.40	
			<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0125	EA		36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet .....	492.37	23.58
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	212.40	
			<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0126	EA		12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet .....	199.35	7.86
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	212.40	
			<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0127	EA		15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet .....	203.79	9.82
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	212.40	
			<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0128	EA		18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet .....	223.19	11.79
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	212.40	
			<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0129	EA		21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet .....	238.30	13.76
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	212.40	
			<i>For All Plywood Box Construction, Add</i>	73.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0130 EA 24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	248.99 212.40 73.80	15.72
06 41 13 00-0131 EA 27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	261.98 212.40 73.80	17.68
06 41 13 00-0132 EA 30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	439.18 212.40 73.80	19.65
06 41 13 00-0133 EA 33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	463.29 212.40 73.80	21.61
06 41 13 00-0134 EA 36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	487.57 212.40 73.80	23.58
06 41 13 00-0135 EA 12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	247.35 283.20 73.80	7.86
06 41 13 00-0136 EA 15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	252.99 283.20 73.80	9.82
06 41 13 00-0137 EA 18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	275.39 283.20 73.80	11.79
06 41 13 00-0138 EA 21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	293.50 283.20 73.80	13.76
06 41 13 00-0139 EA 24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	308.99 283.20 73.80	15.72
06 41 13 00-0140 EA 27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	325.58 283.20 73.80	17.68
06 41 13 00-0141 EA 30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	461.38 283.20 73.80	19.65
06 41 13 00-0142 EA 33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	488.49 283.20 73.80	21.61
06 41 13 00-0143 EA 36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	516.37 283.20 73.80	23.58
<b>06 41 13 00-0144 Wall Cabinets, 12" High, 12" Deep</b> <small>(06 41 13 00-0110)</small>		
06 41 13 00-0145 EA 30" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	174.15 39.60	19.65
06 41 13 00-0146 EA 33" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	186.47 39.60	21.61
06 41 13 00-0147 EA 36" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	205.90 39.60	23.58
06 41 13 00-0148 EA 39" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	220.90 39.60	25.55
<b>06 41 13 00-0149 Wall Cabinets, 14" High, 12" Deep</b> <small>(06 41 13 00-0110)</small>		
06 41 13 00-0150 EA 12" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	147.67 39.60	7.86
06 41 13 00-0151 EA 15" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	150.85 39.60	9.82
06 41 13 00-0152 EA 18" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	158.24 39.60	11.79
06 41 13 00-0153 EA 21" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	162.62 39.60	13.76
06 41 13 00-0154 EA 24" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	167.01 39.60	15.72
06 41 13 00-0155 EA 30" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	174.99 39.60	19.65
06 41 13 00-0156 EA 33" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	187.79 39.60	21.61
06 41 13 00-0157 EA 36" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	205.90 39.60	23.58
06 41 13 00-0158 EA 39" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	220.90 39.60	25.55
<b>06 41 13 00-0159 Wall Cabinets, 18" High, 12" Deep</b> <small>(06 41 13 00-0110)</small>		
06 41 13 00-0160 EA 12" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	153.67 39.60	7.86
06 41 13 00-0161 EA 15" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	161.65 39.60	9.82
06 41 13 00-0162 EA 18" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	167.84 39.60	11.79

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41	13 00-0163	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	174.62	13.76
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41	13 00-0164	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	183.81	15.72
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41	13 00-0165	EA	27" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	195.01	17.69
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41	13 00-0166	EA	30" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	204.39	19.65
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41	13 00-0167	EA	33" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	212.39	21.61
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41	13 00-0168	EA	36" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	216.70	23.58
			<i>For All Plywood Box Construction, Add</i>	39.60	
<b>06 41</b>	<b>13 00-0169</b>		<b>Wall Cabinets, 30" High, 12" Deep</b> (06 41 13 00-0110)		
06 41	13 00-0170	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	164.78	7.86
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41	13 00-0171	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	180.58	9.82
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41	13 00-0172	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	193.29	11.79
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41	13 00-0173	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	208.72	13.76
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41	13 00-0174	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	224.17	15.72
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41	13 00-0175	EA	27" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	247.36	17.69
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41	13 00-0176	EA	30" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	253.75	19.65
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41	13 00-0177	EA	33" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	277.40	21.61
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41	13 00-0178	EA	36" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	286.04	23.58
			<i>For All Plywood Box Construction, Add</i>	39.60	
<b>06 41</b>	<b>13 00-0179</b>		<b>Wall Cabinets, 36" High, 12" Deep</b> (06 41 13 00-0110)		
06 41	13 00-0180	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	187.58	7.86
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41	13 00-0181	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	203.98	9.82
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41	13 00-0182	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	218.49	11.79
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41	13 00-0183	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	235.12	13.76
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41	13 00-0184	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	278.77	15.72
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41	13 00-0185	EA	27" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	279.76	17.69
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41	13 00-0186	EA	30" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	290.35	19.65
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41	13 00-0187	EA	33" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	318.80	21.61
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41	13 00-0188	EA	36" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	326.84	23.58
			<i>For All Plywood Box Construction, Add</i>	39.60	
<b>06 41</b>	<b>13 00-0189</b>		<b>Wall Cabinets, 42" High, 12" Deep</b> (06 41 13 00-0110)		
06 41	13 00-0190	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	210.98	7.86
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41	13 00-0191	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	231.58	9.82
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41	13 00-0192	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	247.29	11.79
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41	13 00-0193	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	263.32	13.76
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41	13 00-0194	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	288.37	15.72
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41	13 00-0195	EA	27" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	308.56	17.69
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41	13 00-0196	EA	30" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	325.15	19.65
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41	13 00-0197	EA	33" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	357.20	21.61
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41	13 00-0198	EA	36" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	368.24	23.58
			<i>For All Plywood Box Construction, Add</i>	39.60	
<b>06 41</b>	<b>13 00-0199</b>		<b>Wall Cabinets, 12" High, 23-3/4" Deep</b> (06 41 13 00-0110)		
06 41	13 00-0200	EA	30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	199.18	19.65
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41	13 00-0201	EA	33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	214.89	21.61
			<i>For All Plywood Box Construction, Add</i>	39.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0202 EA 36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet .....	231.37	23.58
For All Plywood Box Construction, Add	39.60	
06 41 13 00-0203 EA 39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet .....	251.34	25.55
For All Plywood Box Construction, Add	39.60	
06 41 13 00-0204 EA 48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Oak Face Frame and Door, Wall Cabinet.....	299.53	31.44
For All Plywood Box Construction, Add	39.60	
<b>06 41 13 00-0205 Utility Cabinets, 84" High x 12" Deep</b> <small>(06 41 13 00-0110)</small>		
06 41 13 00-0206 EA 15" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	377.27	17.47
For All Plywood Box Construction, Add	146.40	
06 41 13 00-0207 EA 18" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	428.71	20.95
For All Plywood Box Construction, Add	146.40	
06 41 13 00-0208 EA 21" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	483.75	164.17
For All Plywood Box Construction, Add	146.40	
06 41 13 00-0209 EA 24" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	507.59	27.95
For All Plywood Box Construction, Add	146.40	
06 41 13 00-0210 EA 30" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	620.23	34.93
For All Plywood Box Construction, Add	146.40	
06 41 13 00-0211 EA 36" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet .....	719.67	41.92
For All Plywood Box Construction, Add	146.40	
06 41 13 00-0212 EA 15" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	431.27	17.47
For All Plywood Box Construction, Add	146.40	
06 41 13 00-0213 EA 18" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	477.91	20.95
For All Plywood Box Construction, Add	146.40	
06 41 13 00-0214 EA 21" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	547.95	24.45
For All Plywood Box Construction, Add	146.40	
06 41 13 00-0215 EA 24" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	581.99	27.95
For All Plywood Box Construction, Add	146.40	
06 41 13 00-0216 EA 30" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet .....	729.43	34.93
For All Plywood Box Construction, Add	146.40	
06 41 13 00-0217 EA 36" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet .....	837.87	41.92
For All Plywood Box Construction, Add	146.40	
<b>06 41 13 00-0218 Solid Wood Face Frame And Thermofoil Door, Wall And Base Cabinets</b> <small>(06 41 13 00-0001)</small>		
<b>06 41 13 00-0219 Base Cabinets, 35" High, 23-3/4" Deep</b> <small>(06 41 13 00-0218)</small>		
06 41 13 00-0220 EA 12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet .....	195.75	7.86
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	70.80	
For All Plywood Box Construction, Add	73.80	
06 41 13 00-0221 EA 15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet .....	208.59	9.82
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	70.80	
For All Plywood Box Construction, Add	73.80	
06 41 13 00-0222 EA 18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet .....	218.39	11.79
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	70.80	
For All Plywood Box Construction, Add	73.80	
06 41 13 00-0223 EA 21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet .....	230.50	13.76
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	70.80	
For All Plywood Box Construction, Add	73.80	
06 41 13 00-0224 EA 24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet .....	263.99	15.72
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	70.80	
For All Plywood Box Construction, Add	73.80	
06 41 13 00-0225 EA 27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet .....	276.98	17.68
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	70.80	
For All Plywood Box Construction, Add	73.80	
06 41 13 00-0226 EA 30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet .....	299.98	19.65
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	70.80	
For All Plywood Box Construction, Add	73.80	
06 41 13 00-0227 EA 33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet .....	316.89	21.61
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	70.80	
For All Plywood Box Construction, Add	73.80	
06 41 13 00-0228 EA 36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet .....	326.77	23.58
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	70.80	
For All Plywood Box Construction, Add	73.80	
06 41 13 00-0229 EA 48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet .....	374.07	31.44
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	141.60	
For All Plywood Box Construction, Add	73.80	
06 41 13 00-0230 EA 30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet .....	418.78	19.65
For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	141.60	
For All Plywood Box Construction, Add	73.80	



**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41	13 00-0231	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	465.37	23.58
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> .....	141.60	
			<i>For All Plywood Box Construction, Add</i> .....	73.80	
06 41	13 00-0232	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	440.38	19.65
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> .....	212.40	
			<i>For All Plywood Box Construction, Add</i> .....	73.80	
06 41	13 00-0233	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	492.37	23.58
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> .....	212.40	
			<i>For All Plywood Box Construction, Add</i> .....	73.80	
06 41	13 00-0234	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	199.35	7.86
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> .....	212.40	
			<i>For All Plywood Box Construction, Add</i> .....	73.80	
06 41	13 00-0235	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	203.79	9.82
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> .....	212.40	
			<i>For All Plywood Box Construction, Add</i> .....	73.80	
06 41	13 00-0236	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	223.19	11.79
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> .....	212.40	
			<i>For All Plywood Box Construction, Add</i> .....	73.80	
06 41	13 00-0237	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	238.30	13.76
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> .....	212.40	
			<i>For All Plywood Box Construction, Add</i> .....	73.80	
06 41	13 00-0238	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	248.99	15.72
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> .....	212.40	
			<i>For All Plywood Box Construction, Add</i> .....	73.80	
06 41	13 00-0239	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	261.98	17.68
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> .....	212.40	
			<i>For All Plywood Box Construction, Add</i> .....	73.80	
06 41	13 00-0240	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	439.18	19.65
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> .....	212.40	
			<i>For All Plywood Box Construction, Add</i> .....	73.80	
06 41	13 00-0241	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	463.29	21.61
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> .....	212.40	
			<i>For All Plywood Box Construction, Add</i> .....	73.80	
06 41	13 00-0242	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	487.57	23.58
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> .....	212.40	
			<i>For All Plywood Box Construction, Add</i> .....	73.80	
06 41	13 00-0243	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	247.35	7.86
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> .....	283.20	
			<i>For All Plywood Box Construction, Add</i> .....	73.80	
06 41	13 00-0244	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	252.99	9.82
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> .....	283.20	
			<i>For All Plywood Box Construction, Add</i> .....	73.80	
06 41	13 00-0245	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	275.39	11.79
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> .....	283.20	
			<i>For All Plywood Box Construction, Add</i> .....	73.80	
06 41	13 00-0246	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	293.50	13.76
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> .....	283.20	
			<i>For All Plywood Box Construction, Add</i> .....	73.80	
06 41	13 00-0247	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	308.99	15.72
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> .....	283.20	
			<i>For All Plywood Box Construction, Add</i> .....	73.80	
06 41	13 00-0248	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	325.58	17.68
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> .....	283.20	
			<i>For All Plywood Box Construction, Add</i> .....	73.80	
06 41	13 00-0249	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	461.38	19.65
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> .....	283.20	
			<i>For All Plywood Box Construction, Add</i> .....	73.80	
06 41	13 00-0250	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	488.49	21.61
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> .....	283.20	
			<i>For All Plywood Box Construction, Add</i> .....	73.80	
06 41	13 00-0251	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet.....	516.37	23.58
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> .....	283.20	
			<i>For All Plywood Box Construction, Add</i> .....	73.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>06 41 13 00-0252</b> Wall Cabinets, 12" High, 12" Deep (06 41 13 00-0218)		
06 41 13 00-0253 EA 30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	174.15	19.65
For All Plywood Box Construction, Add	39.60	
06 41 13 00-0254 EA 33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	186.47	21.61
For All Plywood Box Construction, Add	39.60	
06 41 13 00-0255 EA 36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	205.90	23.58
For All Plywood Box Construction, Add	39.60	
06 41 13 00-0256 EA 39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	220.90	25.55
For All Plywood Box Construction, Add	39.60	
<b>06 41 13 00-0257</b> Wall Cabinets, 14" High, 12" Deep (06 41 13 00-0218)		
06 41 13 00-0258 EA 12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	147.67	7.86
For All Plywood Box Construction, Add	39.60	
06 41 13 00-0259 EA 15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	150.85	9.82
For All Plywood Box Construction, Add	39.60	
06 41 13 00-0260 EA 18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	158.24	11.79
For All Plywood Box Construction, Add	39.60	
06 41 13 00-0261 EA 21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	162.62	13.76
For All Plywood Box Construction, Add	39.60	
06 41 13 00-0262 EA 24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	167.01	15.72
For All Plywood Box Construction, Add	39.60	
06 41 13 00-0263 EA 30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	174.99	19.65
For All Plywood Box Construction, Add	39.60	
06 41 13 00-0264 EA 33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	187.79	21.61
For All Plywood Box Construction, Add	39.60	
06 41 13 00-0265 EA 36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	205.90	23.58
For All Plywood Box Construction, Add	39.60	
06 41 13 00-0266 EA 39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	220.90	25.55
For All Plywood Box Construction, Add	39.60	
<b>06 41 13 00-0267</b> Wall Cabinets, 18" High, 12" Deep (06 41 13 00-0218)		
06 41 13 00-0268 EA 12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	153.67	7.86
For All Plywood Box Construction, Add	39.60	
06 41 13 00-0269 EA 15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	161.65	9.82
For All Plywood Box Construction, Add	39.60	
06 41 13 00-0270 EA 18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	167.84	11.79
For All Plywood Box Construction, Add	39.60	
06 41 13 00-0271 EA 21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	174.62	13.76
For All Plywood Box Construction, Add	39.60	
06 41 13 00-0272 EA 24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	183.81	15.72
For All Plywood Box Construction, Add	39.60	
06 41 13 00-0273 EA 27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	195.01	17.69
For All Plywood Box Construction, Add	39.60	
06 41 13 00-0274 EA 30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	204.39	19.65
For All Plywood Box Construction, Add	39.60	
06 41 13 00-0275 EA 33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	212.39	21.61
For All Plywood Box Construction, Add	39.60	
06 41 13 00-0276 EA 36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	216.70	23.58
For All Plywood Box Construction, Add	39.60	
<b>06 41 13 00-0277</b> Wall Cabinets, 30" High, 12" Deep (06 41 13 00-0218)		
06 41 13 00-0278 EA 12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	164.78	7.86
For All Plywood Box Construction, Add	39.60	
06 41 13 00-0279 EA 15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	180.58	9.82
For All Plywood Box Construction, Add	39.60	
06 41 13 00-0280 EA 18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	193.29	11.79
For All Plywood Box Construction, Add	39.60	
06 41 13 00-0281 EA 21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	208.72	13.76
For All Plywood Box Construction, Add	39.60	
06 41 13 00-0282 EA 24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	224.17	15.72
For All Plywood Box Construction, Add	39.60	
06 41 13 00-0283 EA 27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	247.36	17.69
For All Plywood Box Construction, Add	39.60	
06 41 13 00-0284 EA 30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	253.75	19.65
For All Plywood Box Construction, Add	39.60	
06 41 13 00-0285 EA 33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	277.40	21.61
For All Plywood Box Construction, Add	39.60	
06 41 13 00-0286 EA 36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet.....	286.04	23.58
For All Plywood Box Construction, Add	39.60	
<b>06 41 13 00-0287</b> Wall Cabinets, 36" High, 12" Deep (06 41 13 00-0218)		
06 41 13 00-0288 EA 12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	187.58	7.86
For All Plywood Box Construction, Add	39.60	
06 41 13 00-0289 EA 15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	203.98	9.82
For All Plywood Box Construction, Add	39.60	
06 41 13 00-0290 EA 18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet.....	218.49	11.79
For All Plywood Box Construction, Add	39.60	

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0291	EA		21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....235.12 <i>For All Plywood Box Construction, Add</i> 39.60	235.12 39.60	13.76
06 41 13 00-0292	EA		24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....278.77 <i>For All Plywood Box Construction, Add</i> 39.60	278.77 39.60	15.72
06 41 13 00-0293	EA		27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....279.76 <i>For All Plywood Box Construction, Add</i> 39.60	279.76 39.60	17.69
06 41 13 00-0294	EA		30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....290.35 <i>For All Plywood Box Construction, Add</i> 39.60	290.35 39.60	19.65
06 41 13 00-0295	EA		33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....318.80 <i>For All Plywood Box Construction, Add</i> 39.60	318.80 39.60	21.61
06 41 13 00-0296	EA		36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....326.84 <i>For All Plywood Box Construction, Add</i> 39.60	326.84 39.60	23.58
<b>06 41 13 00-0297</b>			<b>Wall Cabinets, 42" High, 12" Deep</b> (06 41 13 00-0218)		
06 41 13 00-0298	EA		12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....210.98 <i>For All Plywood Box Construction, Add</i> 39.60	210.98 39.60	7.86
06 41 13 00-0299	EA		15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....231.58 <i>For All Plywood Box Construction, Add</i> 39.60	231.58 39.60	9.82
06 41 13 00-0300	EA		18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....247.29 <i>For All Plywood Box Construction, Add</i> 39.60	247.29 39.60	11.79
06 41 13 00-0301	EA		21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....263.32 <i>For All Plywood Box Construction, Add</i> 39.60	263.32 39.60	13.76
06 41 13 00-0302	EA		24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet .....288.37 <i>For All Plywood Box Construction, Add</i> 39.60	288.37 39.60	15.72
06 41 13 00-0303	EA		27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....308.56 <i>For All Plywood Box Construction, Add</i> 39.60	308.56 39.60	17.69
06 41 13 00-0304	EA		30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....325.15 <i>For All Plywood Box Construction, Add</i> 39.60	325.15 39.60	19.65
06 41 13 00-0305	EA		33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....357.20 <i>For All Plywood Box Construction, Add</i> 39.60	357.20 39.60	21.61
06 41 13 00-0306	EA		36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....368.24 <i>For All Plywood Box Construction, Add</i> 39.60	368.24 39.60	23.58
<b>06 41 13 00-0307</b>			<b>Wall Cabinets, 12" High, 23-3/4" Deep</b> (06 41 13 00-0218)		
06 41 13 00-0308	EA		30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....199.18 <i>For All Plywood Box Construction, Add</i> 39.60	199.18 39.60	19.65
06 41 13 00-0309	EA		33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....214.89 <i>For All Plywood Box Construction, Add</i> 39.60	214.89 39.60	21.61
06 41 13 00-0310	EA		36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....231.37 <i>For All Plywood Box Construction, Add</i> 39.60	231.37 39.60	23.58
06 41 13 00-0311	EA		39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....251.34 <i>For All Plywood Box Construction, Add</i> 39.60	251.34 39.60	25.55
06 41 13 00-0312	EA		48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet .....299.53 <i>For All Plywood Box Construction, Add</i> 39.60	299.53 39.60	31.44
<b>06 41 13 00-0313</b>			<b>Utility Cabinets, 84" High x 12" Deep</b> (06 41 13 00-0218)		
06 41 13 00-0314	EA		15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet .....377.27 <i>For All Plywood Box Construction, Add</i> 146.40	377.27 146.40	17.47
06 41 13 00-0315	EA		18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet .....428.71 <i>For All Plywood Box Construction, Add</i> 146.40	428.71 146.40	20.95
06 41 13 00-0316	EA		21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet .....483.75 <i>For All Plywood Box Construction, Add</i> 146.40	483.75 146.40	164.17
06 41 13 00-0317	EA		24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet .....507.59 <i>For All Plywood Box Construction, Add</i> 146.40	507.59 146.40	27.95
06 41 13 00-0318	EA		30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet .....620.23 <i>For All Plywood Box Construction, Add</i> 146.40	620.23 146.40	34.93
06 41 13 00-0319	EA		36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet .....719.67 <i>For All Plywood Box Construction, Add</i> 146.40	719.67 146.40	41.92
06 41 13 00-0320	EA		15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet .....431.27 <i>For All Plywood Box Construction, Add</i> 146.40	431.27 146.40	17.47
06 41 13 00-0321	EA		18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet .....477.91 <i>For All Plywood Box Construction, Add</i> 146.40	477.91 146.40	20.95
06 41 13 00-0322	EA		21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet .....547.95 <i>For All Plywood Box Construction, Add</i> 146.40	547.95 146.40	24.45
06 41 13 00-0323	EA		24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet .....581.99 <i>For All Plywood Box Construction, Add</i> 146.40	581.99 146.40	27.95
06 41 13 00-0324	EA		30" Wide, 84" High x 12" Deep, 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet .....729.43 <i>For All Plywood Box Construction, Add</i> 146.40	729.43 146.40	34.93
06 41 13 00-0325	EA		36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet .....837.87 <i>For All Plywood Box Construction, Add</i> 146.40	837.87 146.40	41.92
<b>06 41 13 00-0326</b>			<b>Solid Wood Face Frame And Wrapped Medium-Density Fiberboard (MDF) Door, Wall And Base Cabinets</b> (06 41 13 00-0001)		
<b>06 41 13 00-0327</b>			<b>Base Cabinets, 35" High, 23-3/4" Deep</b> (06 41 13 00-0326)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0328 EA 12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Wrapped MDF Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	195.75 70.80 73.80	7.86
06 41 13 00-0329 EA 15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Wrapped MDF Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	208.59 70.80 73.80	9.82
06 41 13 00-0330 EA 18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Wrapped MDF Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	218.39 70.80 73.80	11.79
06 41 13 00-0331 EA 21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Wrapped MDF Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	230.50 70.80 73.80	13.76
06 41 13 00-0332 EA 24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Wrapped MDF Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	263.99 70.80 73.80	15.72
06 41 13 00-0333 EA 27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Wrapped MDF Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	276.98 70.80 73.80	17.68
06 41 13 00-0334 EA 30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Wrapped MDF Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	299.98 70.80 73.80	19.65
06 41 13 00-0335 EA 33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Wrapped MDF Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	316.89 70.80 73.80	21.61
06 41 13 00-0336 EA 36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Wrapped MDF Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	326.77 70.80 73.80	23.58
06 41 13 00-0337 EA 48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Wrapped MDF Door and Drawer Front, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	374.07 141.60 73.80	31.44
06 41 13 00-0338 EA 30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Wrapped MDF Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	418.78 141.60 73.80	19.65
06 41 13 00-0339 EA 36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Wrapped MDF Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	465.37 141.60 73.80	23.58
06 41 13 00-0340 EA 30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Wrapped MDF Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	440.38 212.40 73.80	19.65
06 41 13 00-0341 EA 36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Wrapped MDF Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	492.37 212.40 73.80	23.58
06 41 13 00-0342 EA 12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Wrapped MDF Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	199.35 212.40 73.80	7.86
06 41 13 00-0343 EA 15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Wrapped MDF Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	203.79 212.40 73.80	9.82
06 41 13 00-0344 EA 18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Wrapped MDF Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	223.19 212.40 73.80	11.79
06 41 13 00-0345 EA 21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Wrapped MDF Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	238.30 212.40 73.80	13.76
06 41 13 00-0346 EA 24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Wrapped MDF Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	248.99 212.40 73.80	15.72
06 41 13 00-0347 EA 27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Wrapped MDF Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	261.98 212.40 73.80	17.68
06 41 13 00-0348 EA 30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Wrapped MDF Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	439.18 212.40 73.80	19.65

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0349	EA		33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Wrapped MDF Drawer Fronts, Base Cabinet.....	463.29	21.61
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	212.40	
			<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0350	EA		36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Wrapped MDF Drawer Fronts, Base Cabinet.....	487.57	23.58
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	212.40	
			<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0351	EA		12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Wrapped MDF Drawer Fronts, Base Cabinet.....	247.35	7.86
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	283.20	
			<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0352	EA		15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Wrapped MDF Drawer Fronts, Base Cabinet.....	252.99	9.82
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	283.20	
			<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0353	EA		18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Wrapped MDF Drawer Fronts, Base Cabinet.....	275.39	11.79
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	283.20	
			<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0354	EA		21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Wrapped MDF Drawer Fronts, Base Cabinet.....	293.50	13.76
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	283.20	
			<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0355	EA		24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Wrapped MDF Drawer Fronts, Base Cabinet.....	308.99	15.72
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	283.20	
			<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0356	EA		27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Wrapped MDF Drawer Fronts, Base Cabinet.....	325.58	17.68
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	283.20	
			<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0357	EA		30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Wrapped MDF Drawer Fronts, Base Cabinet.....	461.38	19.65
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	283.20	
			<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0358	EA		33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Wrapped MDF Drawer Fronts, Base Cabinet.....	488.49	21.61
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	283.20	
			<i>For All Plywood Box Construction, Add</i>	73.80	
06 41 13 00-0359	EA		36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Wrapped MDF Drawer Fronts, Base Cabinet.....	516.37	23.58
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	283.20	
			<i>For All Plywood Box Construction, Add</i>	73.80	
<b>06 41 13 00-0360</b>			<b>Wall Cabinets, 12" High, 12" Deep</b> <small>(06 41 13 00-0326)</small>		
06 41 13 00-0361	EA		30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Wrapped MDF Doors, Wall Cabinet.....	174.15	19.65
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0362	EA		33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Wrapped MDF Doors, Wall Cabinet.....	186.47	21.61
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0363	EA		36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Wrapped MDF Doors, Wall Cabinet.....	205.90	23.58
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0364	EA		39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Wrapped MDF Doors, Wall Cabinet.....	220.90	25.55
			<i>For All Plywood Box Construction, Add</i>	39.60	
<b>06 41 13 00-0365</b>			<b>Wall Cabinets, 14" High, 12" Deep</b> <small>(06 41 13 00-0326)</small>		
06 41 13 00-0366	EA		12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Wrapped MDF Door, Wall Cabinet.....	147.67	7.86
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0367	EA		15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Wrapped MDF Door, Wall Cabinet.....	150.85	9.82
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0368	EA		18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Wrapped MDF Door, Wall Cabinet.....	158.24	11.79
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0369	EA		21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Wrapped MDF Door, Wall Cabinet.....	162.62	13.76
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0370	EA		24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Wrapped MDF Door, Wall Cabinet.....	167.01	15.72
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0371	EA		30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Wrapped MDF Doors, Wall Cabinet.....	174.99	19.65
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0372	EA		33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Wrapped MDF Doors, Wall Cabinet.....	187.79	21.61
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0373	EA		36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Wrapped MDF Doors, Wall Cabinet.....	205.90	23.58
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0374	EA		39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Wrapped MDF Doors, Wall Cabinet.....	220.90	25.55
			<i>For All Plywood Box Construction, Add</i>	39.60	
<b>06 41 13 00-0375</b>			<b>Wall Cabinets, 18" High, 12" Deep</b> <small>(06 41 13 00-0326)</small>		
06 41 13 00-0376	EA		12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Wrapped MDF Door, Wall Cabinet.....	153.67	7.86
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41 13 00-0377	EA		15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Wrapped MDF Door, Wall Cabinet.....	161.65	9.82
			<i>For All Plywood Box Construction, Add</i>	39.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0378 EA 18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Wrapped MDF Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	167.84 39.60	11.79
06 41 13 00-0379 EA 21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Wrapped MDF Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	174.62 39.60	13.76
06 41 13 00-0380 EA 24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Wrapped MDF Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	183.81 39.60	15.72
06 41 13 00-0381 EA 27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Wrapped MDF Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	195.01 39.60	17.69
06 41 13 00-0382 EA 30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Wrapped MDF Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	204.39 39.60	19.65
06 41 13 00-0383 EA 33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Wrapped MDF Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	212.39 39.60	21.61
06 41 13 00-0384 EA 36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Wrapped MDF Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	216.70 39.60	23.58
<b>06 41 13 00-0385 Wall Cabinets, 30" High, 12" Deep (06 41 13 00-0326)</b>		
06 41 13 00-0386 EA 12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Wrapped MDF Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	164.78 39.60	7.86
06 41 13 00-0387 EA 15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Wrapped MDF Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	180.58 39.60	9.82
06 41 13 00-0388 EA 18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Wrapped MDF Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	193.29 39.60	11.79
06 41 13 00-0389 EA 21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Wrapped MDF Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	208.72 39.60	13.76
06 41 13 00-0390 EA 24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Wrapped MDF Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	224.17 39.60	15.72
06 41 13 00-0391 EA 27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Wrapped MDF Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	247.36 39.60	17.69
06 41 13 00-0392 EA 30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Wrapped MDF Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	253.75 39.60	19.65
06 41 13 00-0393 EA 33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Wrapped MDF Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	277.40 39.60	21.61
06 41 13 00-0394 EA 36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Wrapped MDF Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	286.04 39.60	23.58
<b>06 41 13 00-0395 Wall Cabinets, 36" High, 12" Deep (06 41 13 00-0326)</b>		
06 41 13 00-0396 EA 12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Wrapped MDF Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	187.58 39.60	7.86
06 41 13 00-0397 EA 15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Wrapped MDF Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	203.98 39.60	9.82
06 41 13 00-0398 EA 18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Wrapped MDF Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	218.49 39.60	11.79
06 41 13 00-0399 EA 21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Wrapped MDF Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	235.12 39.60	13.76
06 41 13 00-0400 EA 24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Wrapped MDF Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	278.77 39.60	15.72
06 41 13 00-0401 EA 27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Wrapped MDF Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	279.76 39.60	17.69
06 41 13 00-0402 EA 30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Wrapped MDF Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	290.35 39.60	19.65
06 41 13 00-0403 EA 33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Wrapped MDF Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	318.80 39.60	21.61
06 41 13 00-0404 EA 36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Wrapped MDF Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	326.84 39.60	23.58
<b>06 41 13 00-0405 Wall Cabinets, 42" High, 12" Deep (06 41 13 00-0326)</b>		
06 41 13 00-0406 EA 12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Wrapped MDF Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	210.98 39.60	7.86
06 41 13 00-0407 EA 15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Wrapped MDF Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	231.58 39.60	9.82
06 41 13 00-0408 EA 18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Wrapped MDF Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	247.29 39.60	11.79
06 41 13 00-0409 EA 21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Wrapped MDF Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	263.32 39.60	13.76
06 41 13 00-0410 EA 24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Wrapped MDF Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	288.37 39.60	15.72
06 41 13 00-0411 EA 27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Wrapped MDF Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	308.56 39.60	17.69
06 41 13 00-0412 EA 30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Wrapped MDF Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	325.15 39.60	19.65
06 41 13 00-0413 EA 33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Wrapped MDF Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	357.20 39.60	21.61
06 41 13 00-0414 EA 36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Wrapped MDF Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	368.24 39.60	23.58
<b>06 41 13 00-0415 Wall Cabinets, 12" High, 23-3/4" Deep (06 41 13 00-0326)</b>		
06 41 13 00-0416 EA 30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Wrapped MDF Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	199.18 39.60	19.65

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41	13 00-0417	EA	33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Wrapped MDF Doors, Wall Cabinet.....	214.89	21.61
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41	13 00-0418	EA	36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Wrapped MDF Doors, Wall Cabinet.....	231.37	23.58
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41	13 00-0419	EA	39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Wrapped MDF Doors, Wall Cabinet.....	251.34	25.55
			<i>For All Plywood Box Construction, Add</i>	39.60	
06 41	13 00-0420	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Wrapped MDF Doors, Wall Cabinet.....	299.53	31.44
			<i>For All Plywood Box Construction, Add</i>	39.60	
<b>06 41</b>	<b>13 00-0421</b>		<b>Utility Cabinets, 84" High x 12" Deep</b> <small>(06 41 13 00-0326)</small>		
06 41	13 00-0422	EA	15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Wrapped MDF Doors, Pantry Cabinet.....	377.27	17.47
			<i>For All Plywood Box Construction, Add</i>	146.40	
06 41	13 00-0423	EA	18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Wrapped MDF Doors, Pantry Cabinet.....	428.71	20.95
			<i>For All Plywood Box Construction, Add</i>	146.40	
06 41	13 00-0424	EA	21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Wrapped MDF Doors, Pantry Cabinet.....	483.75	164.17
			<i>For All Plywood Box Construction, Add</i>	146.40	
06 41	13 00-0425	EA	24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Wrapped MDF Doors, Pantry Cabinet.....	507.59	27.95
			<i>For All Plywood Box Construction, Add</i>	146.40	
06 41	13 00-0426	EA	30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Wrapped MDF Doors, Pantry Cabinet.....	620.23	34.93
			<i>For All Plywood Box Construction, Add</i>	146.40	
06 41	13 00-0427	EA	36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Wrapped MDF Doors, Pantry Cabinet.....	719.67	41.92
			<i>For All Plywood Box Construction, Add</i>	146.40	
06 41	13 00-0428	EA	15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Wrapped MDF Doors, Pantry Cabinet.....	431.27	17.47
			<i>For All Plywood Box Construction, Add</i>	146.40	
06 41	13 00-0429	EA	18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Wrapped MDF Doors, Pantry Cabinet.....	477.91	20.95
			<i>For All Plywood Box Construction, Add</i>	146.40	
06 41	13 00-0430	EA	21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Wrapped MDF Doors, Pantry Cabinet.....	547.95	24.45
			<i>For All Plywood Box Construction, Add</i>	146.40	
06 41	13 00-0431	EA	24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Wrapped MDF Doors, Pantry Cabinet.....	581.99	27.95
			<i>For All Plywood Box Construction, Add</i>	146.40	
06 41	13 00-0432	EA	30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Wrapped MDF Doors, Pantry Cabinet.....	729.43	34.93
			<i>For All Plywood Box Construction, Add</i>	146.40	
06 41	13 00-0433	EA	36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Wrapped MDF Doors, Pantry Cabinet.....	837.87	41.92
			<i>For All Plywood Box Construction, Add</i>	146.40	
<b>06 41</b>	<b>13 00-0434</b>		<b>Removal And Reinstallation Of Cabinet Or Counters</b> <small>(06 41 13)</small>		
			Note: Includes storage, cleaning and supply materials. Any height or width.		
06 41	13 00-0435	LF	Remove And Reinstall Base Cabinets.....	30.07	
06 41	13 00-0436	LF	Remove And Reinstall Wall Cabinets.....	26.14	
06 41	13 00-0437	LF	Remove And Reinstall Plastic Laminated Countertops.....	6.26	
<b>06 41 93</b>	<b>Cabinet And Drawer Hardware</b>		<small>(06 41)</small>		
<b>06 41 93 00-0001</b>	<b>Cabinet Hardware</b>		<small>(06 41 93)</small>		
			Note: Includes all mounting screws.		
06 41	93 00-0002	EA	Concealed, Full Or Half Overlay, Self Closing, Steel Cabinet Hinges.....	19.85	3.93
06 41	93 00-0003	EA	Semi Concealed, Brass Cabinet Hinges.....	19.81	3.93
06 41	93 00-0004	EA	Solid Brass Cabinet Pull Handles.....	13.70	3.34
06 41	93 00-0005	EA	Solid Brass Cabinet Pull Knobs.....	11.75	2.55
06 41	93 00-0006	EA	Cabinet Ball And Catch.....	16.39	3.93
06 41	93 00-0007	EA	Surface Mount, Square Style, Cabinet Drawer Lock.....	37.27	3.93
06 41	93 00-0008	EA	Mortise Mount, Square Style, Cabinet Drawer Lock.....	66.80	5.89
06 41	93 00-0009	EA	Cabinet Drawer Lock For Hollow Metal Drawers.....	18.65	3.34
06 41	93 00-0010	EA	Cabinet Door Catch.....	13.32	3.34
06 41	93 00-0011	EA	Solid Brass, Cabinet Surface Bolt.....	32.37	3.34
06 41	93 00-0012	EA	4 Pin Tumbler Cam Lock For Cabinet Door Or Drawer.....	62.93	
06 41	93 00-0013	EA	3" Stainless Steel Cabinet Bar Pull (Liberty P01010-SS-C).....	14.34	4.92
<b>06 42</b>	<b>Wood Paneling</b>		<small>(06 40)</small>		
			Note: Includes glue for installation.		
<b>06 42 13</b>	<b>Wood Board Paneling</b>		<small>(06 42)</small>		
06 42 13 00-0001	Solid Wood Paneling		<small>(06 42 13)</small>		
06 42 13 00-0002	7/16" Solid Wood Paneling, Tongue And Groove, 3" To 5" Wide		<small>(06 42 13 00-0001)</small>		
06 42 13 00-0003	SF		Homestead Cedar Paneling Tongue And Groove, 7/16".....	4.50	0.82
06 42 13 00-0004	SF		Homestead Juniper Paneling Tongue And Groove, 7/16".....	4.77	0.82
06 42 13 00-0005	7/16" Solid Wood Paneling, Tongue And Groove, 6" To 10" Wide		<small>(06 42 13 00-0001)</small>		
06 42 13 00-0006	SF		8" Random Plank Tongue And Groove, 7/16".....	7.31	0.79
06 42 13 00-0007	SF		8" Solid Plank Tongue And Groove, 7/16".....	6.67	0.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 13 00-0008 1/2" Solid Wood Paneling, Tongue And Groove, 4" To 6" Wide <small>(06 42 13 00-0001)</small>		
06 42 13 00-0009 SF Alder Wood Tongue And Groove Paneling, 1/2".....	5.32	0.82
06 42 13 00-0010 1" Solid Wood Paneling, Shiplap, 6" To 8" Wide <small>(06 42 13 00-0001)</small>		
06 42 13 00-0011 SF 1" Tere do (Droitwood) Wood Shiplap .....	3.27	0.71
<b>06 42 16 Flush Wood Paneling <small>(06 42)</small></b>		
06 42 16 00-0001 Veneer Hardboard Panels <small>(06 42 16)</small>		
06 42 16 00-0002 SF 1/4" Veneer Maple Paneling .....	2.84	0.72
For Waterproof Glue, Add	0.08	
For Ceiling Installation, Add	0.49	
06 42 16 00-0003 Plywood Unfinished With Trim 1/4" Thick <small>(06 42 16)</small>		
06 42 16 00-0004 Birch <small>(06 42 16 00-0003)</small>		
06 42 16 00-0005 SF 1/4" Unfinished Birch Plywood, Natural Faced With Trim .....	2.46	0.64
For Waterproof Glue, Add	0.07	
For Ceiling Installation, Add	0.43	
For Installation On Metal Studs Or Furring, Add	0.16	
For Glue Laminated Installation, Add	0.12	
For Lumber Core, Add	0.11	
For 1/8" Thick Paneling, Deduct	-0.27	
For 1/2" Thick Paneling, Add	0.73	
For 5/8" Thick Paneling, Add	0.94	
For 3/4" Thick Paneling, Add	1.22	
For Fire Retardant Treatment (Class I), Add	0.81	
06 42 16 00-0006 SF 1/4" Unfinished Birch Plywood, Select With Trim.....	2.53	0.64
For Waterproof Glue, Add	0.08	
For Ceiling Installation, Add	0.43	
For Installation On Metal Studs Or Furring, Add	0.16	
For Glue Laminated Installation, Add	0.13	
For Lumber Core, Add	0.12	
For 1/8" Thick Paneling, Deduct	-0.28	
For 1/2" Thick Paneling, Add	0.77	
For 5/8" Thick Paneling, Add	1.00	
For 3/4" Thick Paneling, Add	1.29	
For Fire Retardant Treatment (Class I), Add	0.87	
06 42 16 00-0007 Knotty Pine <small>(06 42 16 00-0003)</small>		
06 42 16 00-0008 SF 1/4" Knotty Pine Plywood, Grade AA Unfinished With Trim.....	2.96	0.72
For Waterproof Glue, Add	0.10	
For Ceiling Installation, Add	0.48	
For Installation On Metal Studs Or Furring, Add	0.18	
For Glue Laminated Installation, Add	0.15	
For Lumber Core, Add	0.15	
For 1/8" Thick Paneling, Deduct	-0.34	
For 1/2" Thick Paneling, Add	0.93	
For 5/8" Thick Paneling, Add	1.21	
For 3/4" Thick Paneling, Add	1.58	
For Fire Retardant Treatment (Class I), Add	1.07	
06 42 16 00-0009 SF 1/4" Knotty Pine Plywood, Grade AD Unfinished With Trim.....	2.90	0.72
For Waterproof Glue, Add	0.09	
For Ceiling Installation, Add	0.48	
For Installation On Metal Studs Or Furring, Add	0.18	
For Glue Laminated Installation, Add	0.15	
For Lumber Core, Add	0.14	
For 1/8" Thick Paneling, Deduct	-0.33	
For 1/2" Thick Paneling, Add	0.89	
For 5/8" Thick Paneling, Add	1.17	
For 3/4" Thick Paneling, Add	1.52	
For Fire Retardant Treatment (Class I), Add	1.03	
06 42 16 00-0010 Cedar (Aromatic - Closet Lining) <small>(06 42 16 00-0003)</small>		
06 42 16 00-0011 SF 1/4" Cedar Plywood, Standard Grade Unfinished With Trim, Closet Lining.....	2.66	0.79
For Waterproof Glue, Add	0.06	
For Ceiling Installation, Add	0.54	
For Installation On Metal Studs Or Furring, Add	0.20	
For Glue Laminated Installation, Add	0.13	
For Lumber Core, Add	0.10	
For 1/8" Thick Paneling, Deduct	-0.27	
For 1/2" Thick Paneling, Add	0.68	
For 5/8" Thick Paneling, Add	0.87	
For 3/4" Thick Paneling, Add	1.10	
For Fire Retardant Treatment (Class I), Add	0.69	



**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 42 Wood Paneling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0012	SF		1/4" Cedar Plywood, Particle Board Unfinished With Trim, Closet Lining .....	2.40	0.79
			<i>For Waterproof Glue, Add</i>	0.04	
			<i>For Ceiling Installation, Add</i>	0.54	
			<i>For Installation On Metal Studs Or Furring, Add</i>	0.20	
			<i>For Glue Laminated Installation, Add</i>	0.12	
			<i>For Lumber Core, Add</i>	0.07	
			<i>For 1/8" Thick Paneling, Deduct</i>	-0.23	
			<i>For 1/2" Thick Paneling, Add</i>	0.54	
			<i>For 5/8" Thick Paneling, Add</i>	0.67	
			<i>For 3/4" Thick Paneling, Add</i>	0.84	
			<i>For Fire Retardant Treatment (Class I), Add</i>	0.48	
06 42 16 00-0013			<b>Top Grade Plywood Prefinished With Trim 1/4" Thick</b> <small>(06 42 16)</small>		
06 42 16 00-0014	SF		1/4" Top Grade Plywood, Birch Veneer Prefinished With Trim .....	2.75	0.72
			<i>For Flitch Matched Veneer, Add</i>	0.58	
			<i>For Second Grade Veneer, Deduct</i>	-0.12	
			<i>For Third Grade Veneer, Deduct</i>	-0.17	
			<i>For Waterproof Glue, Add</i>	0.08	
			<i>For Ceiling Installation, Add</i>	0.48	
			<i>For Installation On Metal Studs Or Furring, Add</i>	0.18	
			<i>For Glue Laminated Installation, Add</i>	0.14	
			<i>For Lumber Core, Add</i>	0.13	
			<i>For 1/8" Thick Paneling, Deduct</i>	-0.30	
			<i>For 1/2" Thick Paneling, Add</i>	0.81	
			<i>For 5/8" Thick Paneling, Add</i>	1.05	
			<i>For 3/4" Thick Paneling, Add</i>	1.37	
			<i>For Fire Retardant Treatment (Class I), Add</i>	0.91	
06 42 16 00-0015	SF		1/4" Top Grade Plywood, Cherry Veneer Prefinished With Trim.....	3.26	0.72
			<i>For Flitch Matched Veneer, Add</i>	0.83	
			<i>For Second Grade Veneer, Deduct</i>	-0.17	
			<i>For Third Grade Veneer, Deduct</i>	-0.25	
			<i>For Waterproof Glue, Add</i>	0.12	
			<i>For Ceiling Installation, Add</i>	0.48	
			<i>For Installation On Metal Studs Or Furring, Add</i>	0.18	
			<i>For Glue Laminated Installation, Add</i>	0.16	
			<i>For Lumber Core, Add</i>	0.18	
			<i>For 1/8" Thick Paneling, Deduct</i>	-0.39	
			<i>For 1/2" Thick Paneling, Add</i>	1.09	
			<i>For 5/8" Thick Paneling, Add</i>	1.44	
			<i>For 3/4" Thick Paneling, Add</i>	1.89	
			<i>For Fire Retardant Treatment (Class I), Add</i>	1.31	
06 42 16 00-0016	SF		1/4" Top Grade Plywood, Chestnut Veneer Prefinished With Trim .....	5.48	0.72
			<i>For Flitch Matched Veneer, Add</i>	1.79	
			<i>For Second Grade Veneer, Deduct</i>	-0.36	
			<i>For Third Grade Veneer, Deduct</i>	-0.54	
			<i>For Waterproof Glue, Add</i>	0.25	
			<i>For Ceiling Installation, Add</i>	0.57	
			<i>For Installation On Metal Studs Or Furring, Add</i>	0.21	
			<i>For Glue Laminated Installation, Add</i>	0.27	
			<i>For Lumber Core, Add</i>	0.39	
			<i>For 1/8" Thick Paneling, Deduct</i>	-0.73	
			<i>For 1/2" Thick Paneling, Add</i>	2.16	
			<i>For 5/8" Thick Paneling, Add</i>	2.91	
			<i>For 3/4" Thick Paneling, Add</i>	3.87	
			<i>For Fire Retardant Treatment (Class I), Add</i>	2.82	
06 42 16 00-0017	SF		1/4" Top Grade Plywood, Lauan Veneer Prefinished With Trim .....	2.19	0.72
			<i>For Flitch Matched Veneer, Add</i>	0.38	
			<i>For Second Grade Veneer, Deduct</i>	-0.08	
			<i>For Third Grade Veneer, Deduct</i>	-0.11	
			<i>For Waterproof Glue, Add</i>	0.05	
			<i>For Ceiling Installation, Add</i>	0.43	
			<i>For Installation On Metal Studs Or Furring, Add</i>	0.16	
			<i>For Glue Laminated Installation, Add</i>	0.11	
			<i>For Lumber Core, Add</i>	0.08	
			<i>For 1/8" Thick Paneling, Deduct</i>	-0.23	
			<i>For 1/2" Thick Paneling, Add</i>	0.58	
			<i>For 5/8" Thick Paneling, Add</i>	0.74	
			<i>For 3/4" Thick Paneling, Add</i>	0.95	
			<i>For Fire Retardant Treatment (Class I), Add</i>	0.60	
06 42 16 00-0018	SF		1/4" Top Grade Plywood, Mahogany Veneer Prefinished With Trim.....	4.66	0.72
			<i>For Flitch Matched Veneer, Add</i>	1.44	
			<i>For Second Grade Veneer, Deduct</i>	-0.29	
			<i>For Third Grade Veneer, Deduct</i>	-0.43	
			<i>For Waterproof Glue, Add</i>	0.20	
			<i>For Ceiling Installation, Add</i>	0.54	
			<i>For Installation On Metal Studs Or Furring, Add</i>	0.20	
			<i>For Glue Laminated Installation, Add</i>	0.23	
			<i>For Lumber Core, Add</i>	0.32	
			<i>For 1/8" Thick Paneling, Deduct</i>	-0.60	
			<i>For 1/2" Thick Paneling, Add</i>	1.76	
			<i>For 5/8" Thick Paneling, Add</i>	2.37	
			<i>For 3/4" Thick Paneling, Add</i>	3.14	
			<i>For Fire Retardant Treatment (Class I), Add</i>	2.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0019 SF 1/4" Top Grade Plywood, Red Oak Veneer Prefinished With Trim .....	2.87	0.72
For Flitch Matched Veneer, Add	0.64	
For Second Grade Veneer, Deduct	-0.13	
For Third Grade Veneer, Deduct	-0.19	
For Waterproof Glue, Add	0.09	
For Ceiling Installation, Add	0.48	
For Installation On Metal Studs Or Furring, Add	0.18	
For Glue Laminated Installation, Add	0.14	
For Lumber Core, Add	0.14	
For 1/8" Thick Paneling, Deduct	-0.32	
For 1/2" Thick Paneling, Add	0.88	
For 5/8" Thick Paneling, Add	1.14	
For 3/4" Thick Paneling, Add	1.49	
For Fire Retardant Treatment (Class I), Add	1.00	
06 42 16 00-0020 SF 1/4" Top Grade Plywood, Pecan Veneer Prefinished With Trim .....	3.47	0.72
For Flitch Matched Veneer, Add	0.84	
For Second Grade Veneer, Deduct	-0.17	
For Third Grade Veneer, Deduct	-0.25	
For Waterproof Glue, Add	0.12	
For Ceiling Installation, Add	0.54	
For Installation On Metal Studs Or Furring, Add	0.20	
For Glue Laminated Installation, Add	0.17	
For Lumber Core, Add	0.18	
For 1/8" Thick Paneling, Deduct	-0.41	
For 1/2" Thick Paneling, Add	1.12	
For 5/8" Thick Paneling, Add	1.47	
For 3/4" Thick Paneling, Add	1.93	
For Fire Retardant Treatment (Class I), Add	1.33	
06 42 16 00-0021 SF 1/4" Top Grade Plywood, Rosewood Veneer Prefinished With Trim .....	6.32	0.72
For Flitch Matched Veneer, Add	2.04	
For Second Grade Veneer, Deduct	-0.41	
For Third Grade Veneer, Deduct	-0.61	
For Waterproof Glue, Add	0.28	
For Ceiling Installation, Add	0.68	
For Installation On Metal Studs Or Furring, Add	0.25	
For Glue Laminated Installation, Add	0.32	
For Lumber Core, Add	0.45	
For 1/8" Thick Paneling, Deduct	-0.84	
For 1/2" Thick Paneling, Add	2.47	
For 5/8" Thick Paneling, Add	3.32	
For 3/4" Thick Paneling, Add	4.42	
For Fire Retardant Treatment (Class I), Add	3.22	
06 42 16 00-0022 SF 1/4" Top Grade Plywood, Teak Veneer Prefinished With Trim .....	4.66	0.72
For Flitch Matched Veneer, Add	1.44	
For Second Grade Veneer, Deduct	-0.29	
For Third Grade Veneer, Deduct	-0.43	
For Waterproof Glue, Add	0.20	
For Ceiling Installation, Add	0.54	
For Installation On Metal Studs Or Furring, Add	0.20	
For Glue Laminated Installation, Add	0.23	
For Lumber Core, Add	0.32	
For 1/8" Thick Paneling, Deduct	-0.60	
For 1/2" Thick Paneling, Add	1.76	
For 5/8" Thick Paneling, Add	2.37	
For 3/4" Thick Paneling, Add	3.14	
For Fire Retardant Treatment (Class I), Add	2.27	
06 42 16 00-0023 SF 1/4" Top Grade Plywood, Walnut Veneer Prefinished With Trim .....	4.04	0.72
For Flitch Matched Veneer, Add	1.22	
For Second Grade Veneer, Deduct	-0.24	
For Third Grade Veneer, Deduct	-0.37	
For Waterproof Glue, Add	0.17	
For Ceiling Installation, Add	0.48	
For Installation On Metal Studs Or Furring, Add	0.18	
For Glue Laminated Installation, Add	0.20	
For Lumber Core, Add	0.27	
For 1/8" Thick Paneling, Deduct	-0.52	
For 1/2" Thick Paneling, Add	1.51	
For 5/8" Thick Paneling, Add	2.02	
For 3/4" Thick Paneling, Add	2.68	
For Fire Retardant Treatment (Class I), Add	1.93	
06 42 16 00-0024 SF 1/4" Top Grade Plywood, Maple Veneer Prefinished With Trim .....	2.90	0.72
For Flitch Matched Veneer, Add	0.65	
For Second Grade Veneer, Deduct	-0.13	
For Third Grade Veneer, Deduct	-0.20	
For Waterproof Glue, Add	0.09	
For Ceiling Installation, Add	0.48	
For Installation On Metal Studs Or Furring, Add	0.18	
For Glue Laminated Installation, Add	0.15	
For Lumber Core, Add	0.14	
For 1/8" Thick Paneling, Deduct	-0.33	
For 1/2" Thick Paneling, Add	0.89	
For 5/8" Thick Paneling, Add	1.17	
For 3/4" Thick Paneling, Add	1.52	
For Fire Retardant Treatment (Class I), Add	1.03	

06 42 16 00-0025 Accessories (06 42 16)

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 42 Wood Paneling**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

06 42 16 00-0026 EA Aluminum Panel Retainer "J" With Bolt..... 18.63

**06 42 19 Plastic-Laminate-Faced Wood Paneling (06 42)**

06 42 19 00-0001

Plastic Laminate (06 42 19)

Note: Standard colors and patterns.

06 42 19 00-0002 SF 1/16" Plastic Laminate Faced Panel ..... 5.07 1.38  
Note: Includes cutting to fit.**06 43 Wood Stairs And Railings (06 40)****06 43 13 Wood Stairs (06 43)**

06 43 13 00-0001

Stair Parts (06 43 13)

06 43 13 00-0002	EA	30" Baluster, Pine	28.65	7.97
06 43 13 00-0003	EA	30" Baluster, Birch	36.05	7.97
06 43 13 00-0004	EA	42" Baluster, Pine	33.49	8.24
06 43 13 00-0005	EA	42" Baluster, Birch	41.38	8.24
06 43 13 00-0006	EA	3-1/4" Wide Newels, Starting	192.75	31.33
06 43 13 00-0007	EA	3-1/4" Wide Newels, Landing	284.81	43.98
06 43 13 00-0008	LF	Oak Gooseneck, 1 Riser	103.13	27.48
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.02	
06 43 13 00-0009	LF	Oak Gooseneck, 2 Riser	123.68	30.19
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.92	
06 43 13 00-0010	LF	Oak Handrail, 2-1/2" x 3" With Quarter Turn	23.09	4.12
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.35	
06 43 13 00-0011	LF	1-1/16" x 9-1/2" Oak Stair Tread	33.22	2.32
		<i>For Beech, Add</i>	8.58	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.06	
06 43 13 00-0012	LF	1-1/16" x 11-1/2" Oak Stair Tread	41.36	2.32
		<i>For Beech, Add</i>	11.03	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.06	
06 43 13 00-0013	LF	1-1/16" x 11-1/2" Pine Stair Tread	16.15	2.32
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.06	
06 43 13 00-0014	LF	3/4" x 7-1/2" High Beech Riser	23.55	2.39
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.10	
06 43 13 00-0015	LF	3/4" x 7-1/2" High Oak Riser	21.82	2.39
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.10	
06 43 13 00-0016	LF	3/4" x 7-1/2" High Fir Riser	10.72	2.39
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.10	
06 43 13 00-0017	LF	3/4" x 7-1/2" High Pine Riser	10.18	2.39
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.10	
06 43 13 00-0018	SF	Framed Stair Landings, 3/4" Plywood Surface, Per SF Of Landing	21.49	

06 43 13 00-0019

Interior Box Stairs (06 43 13)

Note: Factory cut and assembled straight closed box stairs, unfinished.

06 43 13 00-0020	EA	30" Wide Pine Box Stair, Per Riser	174.30	23.91
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.86	
		<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	54.25	
		<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	16.27	
		<i>For Oak Or Maple Treads, Add</i>	63.06	
06 43 13 00-0021	EA	32" Wide Pine Box Stair, Per Riser	186.11	24.46
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.03	
		<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	54.48	
		<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	16.37	
		<i>For Oak Or Maple Treads, Add</i>	68.03	
06 43 13 00-0022	EA	34" Wide Pine Box Stair, Per Riser	197.54	24.74
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.13	
		<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	54.60	
		<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	16.42	
		<i>For Oak Or Maple Treads, Add</i>	72.99	
06 43 13 00-0023	EA	36" Wide Pine Box Stair, Per Riser	210.87	25.01
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.22	
		<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	54.72	
		<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	16.47	
		<i>For Oak Or Maple Treads, Add</i>	78.82	
06 43 13 00-0024	EA	38" Wide Pine Box Stair, Per Riser	218.58	25.28
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.31	
		<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	54.83	
		<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	16.51	
		<i>For Oak Or Maple Treads, Add</i>	82.11	
06 43 13 00-0025	EA	40" Wide Pine Box Stair, Per Riser	226.68	25.84
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.49	
		<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	55.07	
		<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	16.61	
		<i>For Oak Or Maple Treads, Add</i>	85.40	
06 43 13 00-0026	EA	42" Wide Pine Box Stair, Per Riser	234.40	26.11
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.58	
		<i>For Prefinished Stair Rail With Balusters And Newel, Add</i>	55.19	
		<i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i>	16.66	
		<i>For Oak Or Maple Treads, Add</i>	88.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 43 13 00-0027 EA 44" Wide Pine Box Stair, Per Riser..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Prefinished Stair Rail With Balusters And Newel, Add</i> <i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i> <i>For Oak Or Maple Treads, Add</i>	242.11 8.67 55.31 16.71 91.98	26.39
06 43 13 00-0028 EA 46" Wide Pine Box Stair, Per Riser..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Prefinished Stair Rail With Balusters And Newel, Add</i> <i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i> <i>For Oak Or Maple Treads, Add</i>	249.80 8.76 55.42 16.76 95.28	26.66
06 43 13 00-0029 EA 48" Wide Pine Box Stair, Per Riser..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Prefinished Stair Rail With Balusters And Newel, Add</i> <i>For Each LF Of Prefinished Handrail, Brackets And Baluster, Add</i> <i>For Oak Or Maple Treads, Add</i>	258.22 9.03 55.78 16.91 98.53	27.48
<b>06 43 16 Wood Railings (06 43)</b>		
06 43 16 00-0001 Handrails (06 43 16)		
06 43 16 00-0002 Wood Handrail With Brackets (06 43 16 00-0001)		
Note: Includes pine, fir or red oak interior grade or pressure treated exterior grade handrail with brackets.		
06 43 16 00-0003 LF 1-1/2" x 1-11/16", Wood Handrail With Brackets..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.18 0.90	1.96
06 43 16 00-0004 LF 1-7/8" x 2-5/8", Wood Handrail With Brackets..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.04 0.90	1.96
06 43 16 00-0005 LF 1-1/2" Diameter, Wood Handrail With Brackets.....	11.90	1.96
06 43 16 00-0006 LF 1-3/4" Diameter, Wood Handrail With Brackets.....	12.62	1.96
06 43 16 00-0007 LF 2" Diameter, Wood Handrail With Brackets.....	15.19	1.96
06 43 16 00-0008 LF 2-1/2" Diameter, Wood Handrail With Brackets.....	23.13	1.96
<b>06 44 Ornamental Woodwork (06 40)</b>		
06 44 39 Wood Posts And Columns (06 44)		
06 44 39 00-0001 Columns (06 44 39)		
06 44 39 00-0002 Pine Colonial Columns, Round Tapered With Cap And Base (06 44 39 00-0001)		
Note: Paint grade/finger jointed pine.		
06 44 39 00-0003 LF 6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	50.63	4.08
06 44 39 00-0004 LF 8" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	62.96	5.97
06 44 39 00-0005 LF 10" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	77.54	6.90
06 44 39 00-0006 LF 12" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	93.34	7.22
06 44 39 00-0007 LF 14" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	212.29	8.16
06 44 39 00-0008 LF 16" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	247.00	8.78
06 44 39 00-0009 LF 18" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	297.91	9.41
06 44 39 00-0010 LF 20" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	356.29	10.04
06 44 39 00-0011 LF 6" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	58.61	4.08
06 44 39 00-0012 LF 8" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	69.36	5.97
06 44 39 00-0013 LF 10" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	86.38	6.90
06 44 39 00-0014 LF 12" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	102.79	7.22
06 44 39 00-0015 LF 14" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	231.49	8.16
06 44 39 00-0016 LF 16" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	315.85	8.78
06 44 39 00-0017 LF 18" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	340.56	9.41
06 44 39 00-0018 LF 20" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	383.71	10.04
06 44 39 00-0019 Pine Colonial Columns, Round Non Tapered With Cap And Base (06 44 39 00-0001)		
Note: Paint grade/finger jointed pine.		
06 44 39 00-0020 LF 6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base.....	61.35	4.08
06 44 39 00-0021 LF 8" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	75.15	5.97
06 44 39 00-0022 LF 10" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	93.38	6.90
06 44 39 00-0023 LF 12" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	113.15	7.22
06 44 39 00-0024 LF 14" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	261.98	8.16
06 44 39 00-0025 LF 16" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	305.19	8.78
06 44 39 00-0026 LF 18" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	368.68	9.41
06 44 39 00-0027 LF 20" Diameter Plain Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	441.54	10.04
06 44 39 00-0028 LF 6" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	71.35	4.08
06 44 39 00-0029 LF 8" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	83.89	5.97
06 44 39 00-0030 LF 10" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	104.84	6.90
06 44 39 00-0031 LF 12" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	125.27	7.22
06 44 39 00-0032 LF 14" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	286.02	8.16
06 44 39 00-0033 LF 16" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	391.50	8.78
06 44 39 00-0034 LF 18" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	422.15	9.41
06 44 39 00-0035 LF 20" Diameter Fluted Column, Pine Colonial Columns, Round Non Tapered With Cap And Base.....	475.94	10.04
06 44 39 00-0036 Pine Classical Columns, Round Tapered With Cap And Base (06 44 39 00-0001)		
Note: Paint grade/finger jointed pine.		
06 44 39 00-0037 LF 6" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base.....	54.42	4.08
06 44 39 00-0038 LF 8" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base.....	67.52	5.97
06 44 39 00-0039 LF 10" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base.....	83.28	6.90

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 44 Ornamental Woodwork**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	06 44 39 00-0040	LF	12" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base .....	100.45	7.22
	06 44 39 00-0041	LF	6" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base .....	63.12	4.08
	06 44 39 00-0042	LF	8" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base .....	74.50	5.97
	06 44 39 00-0043	LF	10" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base .....	92.91	6.90
	06 44 39 00-0044	LF	12" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base .....	110.74	7.22
<b>06 44 39 00-0045</b>	<b>Redwood Colonial Columns, Round Tapered With Cap And Base (06 44 39 00-0001)</b>				
	Note: Paint grade/finger jointed redwood.				
	06 44 39 00-0046	LF	6" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	86.34	4.08
	06 44 39 00-0047	LF	8" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	103.18	5.97
	06 44 39 00-0048	LF	10" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	129.03	6.90
	06 44 39 00-0049	LF	12" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	158.54	7.22
	06 44 39 00-0050	LF	6" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	99.74	4.08
	06 44 39 00-0051	LF	8" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	117.50	5.97
	06 44 39 00-0052	LF	10" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	145.79	6.90
	06 44 39 00-0053	LF	12" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base.....	180.48	7.22
<b>06 44 39 00-0054</b>	<b>Ornamental Or Decorative Cap And Bases, Resin (06 44 39 00-0001)</b>				
	Note: For tapered wood columns.				
	06 44 39 00-0055	EA	6" Resin Corinthian Capital And Base.....	272.87	8.48
	06 44 39 00-0056	EA	8" Resin Corinthian Capital And Base.....	414.90	9.41
	06 44 39 00-0057	EA	10" Resin Corinthian Capital And Base.....	579.52	10.99
	06 44 39 00-0058	EA	12" Resin Corinthian Capital And Base.....	741.09	12.55
	06 44 39 00-0059	EA	6" Resin Greek Erectheum Cap And Base .....	242.41	8.48
	06 44 39 00-0060	EA	8" Resin Greek Erectheum Cap And Base .....	338.73	9.41
	06 44 39 00-0061	EA	10" Resin Greek Erectheum Cap And Base .....	421.09	10.99
	06 44 39 00-0062	EA	12" Resin Greek Erectheum Cap And Base .....	552.19	12.55
	06 44 39 00-0063	EA	6" Resin Roman Ionic Capital And Base.....	255.22	8.78
	06 44 39 00-0064	EA	8" Resin Roman Ionic Capital And Base.....	338.73	9.41
	06 44 39 00-0065	EA	10" Resin Roman Ionic Capital And Base.....	421.09	10.99
	06 44 39 00-0066	EA	12" Resin Roman Ionic Capital And Base.....	536.96	12.55
	06 44 39 00-0067	EA	6" Resin Scamozzi Capital And Base .....	258.27	8.78
	06 44 39 00-0068	EA	8" Resin Scamozzi Capital And Base .....	369.20	9.41
	06 44 39 00-0069	EA	10" Resin Scamozzi Capital And Base .....	436.32	10.99
	06 44 39 00-0070	EA	12" Resin Scamozzi Capital And Base .....	600.94	12.55
	06 44 39 00-0071	EA	6" Resin Temple Of Winds Cap And Base.....	258.27	8.78
	06 44 39 00-0072	EA	8" Resin Temple Of Winds Cap And Base.....	402.71	9.41
	06 44 39 00-0073	EA	10" Resin Temple Of Winds Cap And Base.....	533.82	10.99
	06 44 39 00-0074	EA	12" Resin Temple Of Winds Cap And Base.....	661.87	12.55
<b>06 44 39 00-0075</b>	<b>Ornamental Or Decorative Cap And Bases, Plaster (06 44 39 00-0001)</b>				
	Note: For tapered wood columns.				
	06 44 39 00-0076	EA	6" Plaster Corinthian Capital And Base.....	556.22	8.48
	06 44 39 00-0077	EA	8" Plaster Corinthian Capital And Base.....	625.12	9.41
	06 44 39 00-0078	EA	10" Plaster Corinthian Capital And Base.....	795.83	10.99
	06 44 39 00-0079	EA	12" Plaster Corinthian Capital And Base.....	875.14	12.55
	06 44 39 00-0080	EA	6" Plaster Greek Erectheum Cap And Base .....	367.32	8.48
	06 44 39 00-0081	EA	8" Plaster Greek Erectheum Cap And Base .....	427.09	9.41
	06 44 39 00-0082	EA	10" Plaster Greek Erectheum Cap And Base .....	527.72	10.99
	06 44 39 00-0083	EA	12" Plaster Greek Erectheum Cap And Base .....	664.92	12.55
	06 44 39 00-0084	EA	6" Plaster Roman Ionic Capital And Base.....	352.72	8.78
	06 44 39 00-0085	EA	8" Plaster Roman Ionic Capital And Base.....	463.65	9.41
	06 44 39 00-0086	EA	10" Plaster Roman Ionic Capital And Base.....	561.24	10.99
	06 44 39 00-0087	EA	12" Plaster Roman Ionic Capital And Base.....	664.92	12.55
	06 44 39 00-0088	EA	6" Plaster Scamozzi Capital And Base .....	419.75	8.78
	06 44 39 00-0089	EA	8" Plaster Scamozzi Capital And Base .....	558.10	9.41
	06 44 39 00-0090	EA	10" Plaster Scamozzi Capital And Base .....	628.26	10.99
	06 44 39 00-0091	EA	12" Plaster Scamozzi Capital And Base .....	798.97	12.55
	06 44 39 00-0092	EA	6" Plaster Temple Of Winds Cap And Base.....	352.72	8.78
	06 44 39 00-0093	EA	8" Plaster Temple Of Winds Cap And Base.....	457.56	9.41
	06 44 39 00-0094	EA	10" Plaster Temple Of Winds Cap And Base.....	597.80	10.99
	06 44 39 00-0095	EA	12" Plaster Temple Of Winds Cap And Base.....	765.46	12.55
	06 44 39 00-0096	EA	6" Plaster Empire Capital And Base .....	398.42	8.78
	06 44 39 00-0097	EA	8" Plaster Empire Capital And Base .....	488.02	9.41
	06 44 39 00-0098	EA	10" Plaster Empire Capital And Base.....	594.75	10.99
	06 44 39 00-0099	EA	12" Plaster Empire Capital And Base.....	664.92	12.55
<b>06 46 Wood Trim (06 40)</b>					
<b>06 46 13 Wood Door and Window Casings (06 46)</b>					
<b>06 46 13 00-0001 Door and Window Casings (06 46 13)</b>					
	06 46 13 00-0002	LF	1-1/8" Wide Plain Pine Door And Window Molding.....	2.32	0.63
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.32	
	06 46 13 00-0003	LF	1-1/8" Wide Detailed Pine Door And Window Molding.....	2.36	0.63
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.32	
	06 46 13 00-0004	LF	2-1/2" Wide Pine Complete Door And Window Trim.....	3.35	0.63
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>06 46 19 Wood Base And Shoe Moldings (06 46)</b>		
<b>06 46 19 00-0001 Base And Shoe Molding (06 46 19)</b>		
06 46 19 00-0002 LF 1/2" x 1/2" Pine Quarter Round Trim ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	2.21 0.38	0.75
06 46 19 00-0003 LF 3/4" x 3/4" Pine Quarter Round Trim ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	2.49 0.38	0.75
06 46 19 00-0004 LF 3-1/2" High White Pine Base Molding, All Dimensions Are Nominal..... <i>For Clear Birch, Add</i> <i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Stain Grade Material (No Finger Joints), Add</i> <i>For Clear Poplar, Add</i>	3.38 0.58 0.97 0.33 0.36	0.48
06 46 19 00-0005 LF 4-1/2" High White Pine Base Molding, All Dimensions Are Nominal..... <i>For Clear Birch, Add</i> <i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Stain Grade Material (No Finger Joints), Add</i> <i>For Clear Poplar, Add</i>	4.05 0.67 1.14 0.38 0.42	0.59
06 46 19 00-0006 LF 5-1/2" High White Pine Base Molding, All Dimensions Are Nominal..... <i>For Clear Birch, Add</i> <i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Stain Grade Material (No Finger Joints), Add</i> <i>For Clear Poplar, Add</i>	5.39 1.03 1.67 0.58 0.65	0.67
06 46 19 00-0007 LF 3/4" x 1" Oak Base Shoe .....	3.22	0.75
06 46 19 00-0008 LF 3/4" x 1" White Pine Base Shoe, Stain Grade.....	3.06	0.75
06 46 19 00-0009 LF 3/4" x 1" White Pine Base Shoe, Paint Grade.....	2.70	0.75
<b>06 46 23 Wood Chair Rails (06 46)</b>		
<b>06 46 23 00-0001 Chair Rails (06 46 23)</b>		
06 46 23 00-0002 LF 5/8" x 2-1/2" White Pine Shaped Chair Rail..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Poplar, Add</i>	4.54 0.95 1.49 0.59	0.71
06 46 23 00-0003 LF 5/8" x 3-1/2" White Pine Shaped Chair Rail..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Poplar, Add</i>	6.05 1.43 2.17 0.90	0.71
06 46 23 00-0004 LF 1/2" x 1-5/8" White Pine Shaped Chair Rail..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Poplar, Add</i>	3.36 0.70 1.10 0.44	0.71
<b>06 46 26 Wood Cornices (06 46)</b>		
<b>06 46 26 00-0001 Wood Cornices (06 46 26)</b>		
06 46 26 00-0002 LF 1" x 2" White Pine Cornices, All Dimensions Are Nominal..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple, Or Walnut, Add</i> <i>For Poplar, Add</i>	2.93 0.49 0.77 0.61	0.71
06 46 26 00-0003 LF 1" x 4" White Pine Cornices, All Dimensions Are Nominal..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple, Or Walnut, Add</i> <i>For Poplar, Add</i>	4.09 0.88 1.27 1.10	0.75
06 46 26 00-0004 LF 1" x 6" White Pine Cornices, All Dimensions Are Nominal..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple, Or Walnut, Add</i> <i>For Poplar, Add</i>	6.38 1.68 2.27 2.10	0.79
06 46 26 00-0005 LF 1" x 8" White Pine Cornices, All Dimensions Are Nominal..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple, Or Walnut, Add</i> <i>For Poplar, Add</i>	7.58 2.09 2.79 2.61	0.79
06 46 26 00-0006 LF 1" x 10" White Pine Cornices, All Dimensions Are Nominal..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple, Or Walnut, Add</i> <i>For Poplar, Add</i>	8.99 2.56 3.39 3.20	0.82
06 46 26 00-0007 LF 1" x 12" White Pine Cornices, All Dimensions Are Nominal..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple, Or Walnut, Add</i> <i>For Poplar, Add</i>	12.09 3.65 4.75 4.56	0.90
<b>06 46 29 Wood Fasciae And Soffits (06 46)</b>		
<b>06 46 29 00-0001 Fascia Board (06 46 29)</b>		
<b>06 46 29 00-0002 Pine Fascia Board (06 46 29 00-0001)</b>		
06 46 29 00-0003 LF 1" x 6" Pine Fascia Board.....	2.14	0.79
06 46 29 00-0004 LF 1" x 8" Pine Fascia Board.....	2.50	0.87
06 46 29 00-0005 LF 1" x 10" Pine Fascia Board.....	2.77	0.91
06 46 29 00-0006 LF 1" x 12" Pine Fascia Board.....	3.37	1.02
06 46 29 00-0007 LF 2" x 6" Pine Fascia Board.....	2.10	0.79

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 29 00-0008 LF 2" x 8" Pine Fascia Board.....	2.44	0.87
06 46 29 00-0009 LF 2" x 10" Pine Fascia Board.....	2.86	0.91
06 46 29 00-0010 LF 2" x 12" Pine Fascia Board.....	3.63	1.02
<b>06 46 29 00-0011 Cedar Fascia Board (06 46 29 00-0001)</b>		
06 46 29 00-0012 LF 1" x 6" Cedar Fascia Board.....	2.41	0.79
06 46 29 00-0013 LF 1" x 8" Cedar Fascia Board.....	2.93	0.87
06 46 29 00-0014 LF 1" x 10" Cedar Fascia Board.....	3.59	0.91
06 46 29 00-0015 LF 1" x 12" Cedar Fascia Board.....	4.52	1.02
<b>06 46 29 00-0016 Engineered Wood Fascia Board (06 46 29 00-0001)</b>		
06 46 29 00-0017 LF 1" x 6" Engineered Wood Fascia Board.....	1.98	0.79
06 46 29 00-0018 LF 1" x 8" Engineered Wood Fascia Board.....	2.29	0.87
06 46 29 00-0019 LF 1" x 12" Engineered Wood Fascia Board.....	2.88	1.02
<b>06 46 29 00-0020 Soffit (06 46 29)</b>		
<b>06 46 29 00-0021 Sanded Plywood Soffit (06 46 29 00-0020)</b>		
06 46 29 00-0022 SF 3/8" Thick, Sanded Plywood Soffit.....	2.05	0.60
06 46 29 00-0023 SF 1/2" Thick, Sanded Plywood Soffit.....	2.30	0.63
06 46 29 00-0024 SF 5/8" Thick, Sanded Plywood Soffit.....	2.42	0.66
06 46 29 00-0025 SF 3/4" Thick, Sanded Plywood Soffit.....	2.75	0.69
<b>06 46 29 00-0026 MDO Plywood Soffit (06 46 29 00-0020)</b>		
06 46 29 00-0027 SF 3/8" Thick, MDO Plywood Soffit.....	2.44	0.60
06 46 29 00-0028 SF 1/2" Thick, MDO Plywood Soffit.....	2.80	0.63
06 46 29 00-0029 SF 3/4" Thick, MDO Plywood Soffit.....	3.71	0.69
<b>06 46 29 00-0030 Exterior Ceiling Gypsum Board Soffit (06 46 29 00-0020)</b>		
06 46 29 00-0031 SF 1/2" Thick, Exterior Ceiling Gypsum Board Soffit.....	1.55	0.53
06 46 29 00-0032 SF 5/8" Thick, Fire Rated, Exterior Ceiling Gypsum Board Soffit.....	1.71	0.55
<b>06 46 36 Custom Wood Molding (06 46)</b>		
Note: Includes set-up, knife charge, gluing (Where necessary for widths over 7-1/2"). All dimensions are nominal.		
<b>06 46 36 00-0001 Ash (06 46 36)</b>		
06 46 36 00-0002 LF 3/4" x 1-1/2" Custom Shaped Ash.....	4.43	0.44
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.32	
06 46 36 00-0003 LF 3/4" x 2-1/2" Custom Shaped Ash.....	6.00	0.44
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.33	
06 46 36 00-0004 LF 3/4" x 3-1/2" Custom Shaped Ash.....	7.56	0.44
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.34	
06 46 36 00-0005 LF 3/4" x 4-1/2" Custom Shaped Ash.....	9.14	0.48
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.35	
06 46 36 00-0006 LF 3/4" x 5-1/2" Custom Shaped Ash.....	10.74	0.48
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.37	
06 46 36 00-0007 LF 3/4" x 6-1/2" Custom Shaped Ash.....	12.35	0.51
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.39	
06 46 36 00-0008 LF 3/4" x 7-1/2" Custom Shaped Ash.....	13.92	0.51
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.40	
06 46 36 00-0009 LF 3/4" x 8-1/2" Custom Shaped Ash.....	15.49	0.51
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.41	
06 46 36 00-0010 LF 3/4" x 9-1/2" Custom Shaped Ash.....	17.03	0.55
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.41	
06 46 36 00-0011 LF 3/4" x 10-1/2" Custom Shaped Ash.....	18.66	0.55
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.44	
06 46 36 00-0012 LF 3/4" x 11-1/2" Custom Shaped Ash.....	20.24	0.59
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.45	
06 46 36 00-0013 LF 1" x 1-1/2" Custom Shaped Ash.....	5.52	0.44
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.33	
06 46 36 00-0014 LF 1" x 2-1/2" Custom Shaped Ash.....	7.60	0.44
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.34	
06 46 36 00-0015 LF 1" x 3-1/2" Custom Shaped Ash.....	9.67	0.48
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.35	
06 46 36 00-0016 LF 1" x 4-1/2" Custom Shaped Ash.....	11.74	0.48
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.36	
06 46 36 00-0017 LF 1" x 5-1/2" Custom Shaped Ash.....	13.90	0.51
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.38	
06 46 36 00-0018 LF 1" x 6-1/2" Custom Shaped Ash.....	16.02	0.51
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.40	
06 46 36 00-0019 LF 1" x 7-1/2" Custom Shaped Ash.....	18.09	0.51
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.41	
06 46 36 00-0020 LF 1" x 8-1/2" Custom Shaped Ash.....	20.17	0.55
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.42	
06 46 36 00-0021 LF 1" x 9-1/2" Custom Shaped Ash.....	22.26	0.55
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0022 LF 1" x 10-1/2" Custom Shaped Ash ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.39 0.45	0.59
06 46 36 00-0023 LF 1" x 11-1/2" Custom Shaped Ash ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.49 0.46	0.59
06 46 36 00-0024 LF 1-1/4" x 1-1/2" Custom Shaped Ash ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.90 0.34	0.44
06 46 36 00-0025 LF 1-1/4" x 2-1/2" Custom Shaped Ash ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.67 0.35	0.44
06 46 36 00-0026 LF 1-1/4" x 3-1/2" Custom Shaped Ash ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.43 0.36	0.48
06 46 36 00-0027 LF 1-1/4" x 4-1/2" Custom Shaped Ash ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.19 0.37	0.48
06 46 36 00-0028 LF 1-1/4" x 5-1/2" Custom Shaped Ash ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.00 0.39	0.51
06 46 36 00-0029 LF 1-1/4" x 6-1/2" Custom Shaped Ash ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.81 0.41	0.51
06 46 36 00-0030 LF 1-1/4" x 7-1/2" Custom Shaped Ash ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.57 0.42	0.55
06 46 36 00-0031 LF 1-1/4" x 8-1/2" Custom Shaped Ash ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.34 0.43	0.55
06 46 36 00-0032 LF 1-1/4" x 9-1/2" Custom Shaped Ash ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	29.08 0.43	0.55
06 46 36 00-0033 LF 1-1/4" x 10-1/2" Custom Shaped Ash ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	31.91 0.46	0.59
06 46 36 00-0034 LF 1-1/4" x 11-1/2" Custom Shaped Ash ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	34.69 0.47	0.63
06 46 36 00-0035 LF 1-1/2" x 1-1/2" Custom Shaped Ash ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.90 0.35	0.44
06 46 36 00-0036 LF 1-1/2" x 2-1/2" Custom Shaped Ash ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.64 0.35	0.48
06 46 36 00-0037 LF 1-1/2" x 3-1/2" Custom Shaped Ash ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.39 0.37	0.48
06 46 36 00-0038 LF 1-1/2" x 4-1/2" Custom Shaped Ash ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.13 0.37	0.51
06 46 36 00-0039 LF 1-1/2" x 5-1/2" Custom Shaped Ash ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.88 0.39	0.51
06 46 36 00-0040 LF 1-1/2" x 6-1/2" Custom Shaped Ash ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.71 0.42	0.55
06 46 36 00-0041 LF 1-1/2" x 7-1/2" Custom Shaped Ash ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	31.52 0.43	0.55
06 46 36 00-0042 LF 1-1/2" x 8-1/2" Custom Shaped Ash ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	35.20 0.44	0.55
06 46 36 00-0043 LF 1-1/2" x 9-1/2" Custom Shaped Ash ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	38.92 0.44	0.59
06 46 36 00-0044 LF 1-1/2" x 10-1/2" Custom Shaped Ash ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	43.09 0.47	0.59
06 46 36 00-0045 LF 1-1/2" x 11-1/2" Custom Shaped Ash ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	46.48 0.48	0.63
<b>06 46 36 00-0046 Basswood</b> <small>(06 46 36)</small>		
06 46 36 00-0047 LF 3/4" x 1-1/2" Custom Shaped Basswood ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.41 0.32	0.44
06 46 36 00-0048 LF 3/4" x 2-1/2" Custom Shaped Basswood ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.48 0.33	0.44
06 46 36 00-0049 LF 3/4" x 3-1/2" Custom Shaped Basswood ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.53 0.34	0.44
06 46 36 00-0050 LF 3/4" x 4-1/2" Custom Shaped Basswood ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.60 0.35	0.48
06 46 36 00-0051 LF 3/4" x 5-1/2" Custom Shaped Basswood ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.69 0.37	0.48
06 46 36 00-0052 LF 3/4" x 6-1/2" Custom Shaped Basswood ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.80 0.39	0.51
06 46 36 00-0053 LF 3/4" x 7-1/2" Custom Shaped Basswood ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.85 0.40	0.51
06 46 36 00-0054 LF 3/4" x 8-1/2" Custom Shaped Basswood ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.92 0.41	0.55
06 46 36 00-0055 LF 3/4" x 9-1/2" Custom Shaped Basswood ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.96 0.41	0.55
06 46 36 00-0056 LF 3/4" x 10-1/2" Custom Shaped Basswood ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.07 0.44	0.59
06 46 36 00-0057 LF 3/4" x 11-1/2" Custom Shaped Basswood ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.15 0.45	0.59
06 46 36 00-0058 LF 1" x 1-1/2" Custom Shaped Basswood ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.07 0.33	0.44
06 46 36 00-0059 LF 1" x 2-1/2" Custom Shaped Basswood ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.42 0.34	0.44
06 46 36 00-0060 LF 1" x 3-1/2" Custom Shaped Basswood ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.77 0.35	0.48
06 46 36 00-0061 LF 1" x 4-1/2" Custom Shaped Basswood ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.11 0.36	0.48
06 46 36 00-0062 LF 1" x 5-1/2" Custom Shaped Basswood ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.55 0.38	0.51



**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0063	LF		1" x 6-1/2" Custom Shaped Basswood	10.94	0.51
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.40	
06 46 36 00-0064	LF		1" x 7-1/2" Custom Shaped Basswood	12.29	0.55
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.41	
06 46 36 00-0065	LF		1" x 8-1/2" Custom Shaped Basswood	13.64	0.55
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.42	
06 46 36 00-0066	LF		1" x 9-1/2" Custom Shaped Basswood	15.01	0.55
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.42	
06 46 36 00-0067	LF		1" x 10-1/2" Custom Shaped Basswood	16.41	0.59
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.45	
06 46 36 00-0068	LF		1" x 11-1/2" Custom Shaped Basswood	17.79	0.59
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.46	
06 46 36 00-0069	LF		1-1/2" x 1-1/2" Custom Shaped Basswood	6.10	0.44
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.34	
06 46 36 00-0070	LF		1-1/2" x 2-1/2" Custom Shaped Basswood	8.47	0.44
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.35	
06 46 36 00-0071	LF		1-1/2" x 3-1/2" Custom Shaped Basswood	10.84	0.48
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.36	
06 46 36 00-0072	LF		1-1/2" x 4-1/2" Custom Shaped Basswood	13.20	0.48
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.37	
06 46 36 00-0073	LF		1-1/2" x 5-1/2" Custom Shaped Basswood	15.61	0.51
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.39	
06 46 36 00-0074	LF		1-1/2" x 6-1/2" Custom Shaped Basswood	18.02	0.55
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.41	
06 46 36 00-0075	LF		1-1/2" x 7-1/2" Custom Shaped Basswood	20.38	0.55
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.42	
06 46 36 00-0076	LF		1-1/2" x 8-1/2" Custom Shaped Basswood	22.75	0.55
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.43	
06 46 36 00-0077	LF		1-1/2" x 9-1/2" Custom Shaped Basswood	25.09	0.55
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.43	
06 46 36 00-0078	LF		1-1/2" x 10-1/2" Custom Shaped Basswood	27.52	0.59
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.46	
06 46 36 00-0079	LF		1-1/2" x 11-1/2" Custom Shaped Basswood	29.91	0.63
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.47	
06 46 36 00-0080	LF		3-1/2" x 3-1/2" Custom Shaped Basswood	28.38	0.51
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.39	
06 46 36 00-0081	LF		3-1/2" x 4-1/2" Custom Shaped Basswood	35.13	0.51
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.40	
06 46 36 00-0082	LF		3-1/2" x 5-1/2" Custom Shaped Basswood	41.84	0.55
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.41	
06 46 36 00-0083	LF		3-1/2" x 6-1/2" Custom Shaped Basswood	48.64	0.59
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.44	
06 46 36 00-0084	LF		3-1/2" x 7-1/2" Custom Shaped Basswood	55.35	0.59
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.45	
06 46 36 00-0085	LF		3-1/2" x 8-1/2" Custom Shaped Basswood	62.18	0.63
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.47	
06 46 36 00-0086	LF		3-1/2" x 9-1/2" Custom Shaped Basswood	68.82	0.63
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.48	
06 46 36 00-0087	LF		3-1/2" x 10-1/2" Custom Shaped Basswood	75.53	0.63
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.49	
06 46 36 00-0088	LF		3-1/2" x 11-1/2" Custom Shaped Basswood	82.32	0.67
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.52	
<b>06 46 36 00-0089</b>			<b>Birch</b> <small>(06 46 36)</small>		
06 46 36 00-0090	LF		3/4" x 1-1/2" Custom Shaped Birch	3.77	0.44
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.32	
06 46 36 00-0091	LF		3/4" x 2-1/2" Custom Shaped Birch	5.02	0.44
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.33	
06 46 36 00-0092	LF		3/4" x 3-1/2" Custom Shaped Birch	6.26	0.44
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.34	
06 46 36 00-0093	LF		3/4" x 4-1/2" Custom Shaped Birch	7.50	0.48
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.35	
06 46 36 00-0094	LF		3/4" x 5-1/2" Custom Shaped Birch	8.78	0.48
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.37	
06 46 36 00-0095	LF		3/4" x 6-1/2" Custom Shaped Birch	10.07	0.51
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.39	
06 46 36 00-0096	LF		3/4" x 7-1/2" Custom Shaped Birch	11.31	0.51
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.40	
06 46 36 00-0097	LF		3/4" x 8-1/2" Custom Shaped Birch	12.55	0.51
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.41	
06 46 36 00-0098	LF		3/4" x 9-1/2" Custom Shaped Birch	13.77	0.55
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.41	
06 46 36 00-0099	LF		3/4" x 10-1/2" Custom Shaped Birch	15.07	0.55
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.44	
06 46 36 00-0100	LF		3/4" x 11-1/2" Custom Shaped Birch	16.32	0.59
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.45	
06 46 36 00-0101	LF		1" x 1-1/2" Custom Shaped Birch	4.61	0.44
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.33	
06 46 36 00-0102	LF		1" x 2-1/2" Custom Shaped Birch	6.22	0.44
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.34	
06 46 36 00-0103	LF		1" x 3-1/2" Custom Shaped Birch	7.86	0.48
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0104 LF 1" x 4-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.49 0.36	0.48
06 46 36 00-0105 LF 1" x 5-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.18 0.38	0.51
06 46 36 00-0106 LF 1" x 6-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.83 0.40	0.51
06 46 36 00-0107 LF 1" x 7-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.46 0.41	0.51
06 46 36 00-0108 LF 1" x 8-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.11 0.42	0.55
06 46 36 00-0109 LF 1" x 9-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.73 0.42	0.55
06 46 36 00-0110 LF 1" x 10-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.39 0.45	0.59
06 46 36 00-0111 LF 1" x 11-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.05 0.46	0.59
06 46 36 00-0112 LF 1-1/4" x 1-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.59 0.34	0.44
06 46 36 00-0113 LF 1-1/4" x 2-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.71 0.35	0.44
06 46 36 00-0114 LF 1-1/4" x 3-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.82 0.36	0.48
06 46 36 00-0115 LF 1-1/4" x 4-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.93 0.37	0.48
06 46 36 00-0116 LF 1-1/4" x 5-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.08 0.39	0.51
06 46 36 00-0117 LF 1-1/4" x 6-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.24 0.41	0.51
06 46 36 00-0118 LF 1-1/4" x 7-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.35 0.42	0.55
06 46 36 00-0119 LF 1-1/4" x 8-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.47 0.43	0.55
06 46 36 00-0120 LF 1-1/4" x 9-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.55 0.43	0.55
06 46 36 00-0121 LF 1-1/4" x 10-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.73 0.46	0.59
06 46 36 00-0122 LF 1-1/4" x 11-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.86 0.47	0.63
06 46 36 00-0123 LF 1-1/2" x 1-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.16 0.35	0.44
06 46 36 00-0124 LF 1-1/2" x 2-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.03 0.35	0.48
06 46 36 00-0125 LF 1-1/2" x 3-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.91 0.37	0.48
06 46 36 00-0126 LF 1-1/2" x 4-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.78 0.37	0.51
06 46 36 00-0127 LF 1-1/2" x 5-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.65 0.39	0.51
06 46 36 00-0128 LF 1-1/2" x 6-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.61 0.42	0.55
06 46 36 00-0129 LF 1-1/2" x 7-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.48 0.43	0.55
06 46 36 00-0130 LF 1-1/2" x 8-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.36 0.44	0.55
06 46 36 00-0131 LF 1-1/2" x 9-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	30.21 0.44	0.59
06 46 36 00-0132 LF 1-1/2" x 10-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	33.51 0.47	0.59
06 46 36 00-0133 LF 1-1/2" x 11-1/2" Custom Shaped Birch ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	36.04 0.48	0.63
<b>06 46 36 00-0134 Clear Western Cedar</b> <small>(06 46 36)</small>		
06 46 36 00-0135 LF 3/4" x 1-1/2" Custom Shaped Clear West Cedar ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.77 0.32	0.44
06 46 36 00-0136 LF 3/4" x 2-1/2" Custom Shaped Clear West Cedar ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.02 0.33	0.44
06 46 36 00-0137 LF 3/4" x 3-1/2" Custom Shaped Clear West Cedar ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.26 0.34	0.44
06 46 36 00-0138 LF 3/4" x 4-1/2" Custom Shaped Clear West Cedar ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.50 0.35	0.48
06 46 36 00-0139 LF 3/4" x 5-1/2" Custom Shaped Clear West Cedar ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.78 0.37	0.48
06 46 36 00-0140 LF 3/4" x 6-1/2" Custom Shaped Clear West Cedar ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.07 0.39	0.51
06 46 36 00-0141 LF 1" x 1-1/2" Custom Shaped Clear West Cedar ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.68 0.33	0.44
06 46 36 00-0142 LF 1" x 2-1/2" Custom Shaped Clear West Cedar ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.37 0.34	0.44
06 46 36 00-0143 LF 1" x 3-1/2" Custom Shaped Clear West Cedar ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.04 0.35	0.48
06 46 36 00-0144 LF 1" x 4-1/2" Custom Shaped Clear West Cedar ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.71 0.36	0.48

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 46 36 00-0145	LF		1" x 5-1/2" Custom Shaped Clear West Cedar ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.43 0.38	0.51
06 46 36 00-0146	LF		1" x 6-1/2" Custom Shaped Clear West Cedar ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.16 0.40	0.51
06 46 36 00-0147	LF		1-1/4" x 1-1/2" Custom Shaped Clear West Cedar ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.54 0.34	0.44
06 46 36 00-0148	LF		1-1/4" x 2-1/2" Custom Shaped Clear West Cedar ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.13 0.35	0.44
06 46 36 00-0149	LF		1-1/4" x 3-1/2" Custom Shaped Clear West Cedar ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.71 0.36	0.48
06 46 36 00-0150	LF		1-1/4" x 4-1/2" Custom Shaped Clear West Cedar ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.28 0.37	0.48
06 46 36 00-0151	LF		1-1/4" x 5-1/2" Custom Shaped Clear West Cedar ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.91 0.39	0.51
06 46 36 00-0152	LF		1-1/4" x 6-1/2" Custom Shaped Clear West Cedar ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.54 0.41	0.51
06 46 36 00-0153	LF		1-1/2" x 1-1/2" Custom Shaped Clear West Cedar ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.72 0.35	0.44
06 46 36 00-0154	LF		1-1/2" x 2-1/2" Custom Shaped Clear West Cedar ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.37 0.35	0.48
06 46 36 00-0155	LF		1-1/2" x 3-1/2" Custom Shaped Clear West Cedar ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.04 0.37	0.48
06 46 36 00-0156	LF		1-1/2" x 4-1/2" Custom Shaped Clear West Cedar ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.69 0.37	0.51
06 46 36 00-0157	LF		1-1/2" x 5-1/2" Custom Shaped Clear West Cedar ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.35 0.39	0.51
06 46 36 00-0158	LF		1-1/2" x 6-1/2" Custom Shaped Clear West Cedar ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.09 0.42	0.55
06 46 36 00-0159	LF		3-1/2" x 3-1/2" Custom Shaped Clear West Cedar ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.90 0.39	0.51
06 46 36 00-0160	LF		3-1/2" x 4-1/2" Custom Shaped Clear West Cedar ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	30.78 0.40	0.51
06 46 36 00-0161	LF		3-1/2" x 5-1/2" Custom Shaped Clear West Cedar ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	36.62 0.41	0.55
06 46 36 00-0162	LF		3-1/2" x 6-1/2" Custom Shaped Clear West Cedar ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	42.54 0.44	0.59
06 46 36 00-0163	LF		3-1/2" x 7-1/2" Custom Shaped Clear West Cedar ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	48.39 0.45	0.59
06 46 36 00-0164	LF		3-1/2" x 8-1/2" Custom Shaped Clear West Cedar ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	54.27 0.47	0.63
06 46 36 00-0165	LF		3-1/2" x 9-1/2" Custom Shaped Clear West Cedar ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	60.11 0.48	0.63
06 46 36 00-0166	LF		3-1/2" x 10-1/2" Custom Shaped Clear West Cedar ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	65.96 0.49	0.63
06 46 36 00-0167	LF		3-1/2" x 11-1/2" Custom Shaped Clear West Cedar ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	71.88 0.52	0.67

**06 46 36 00-0168 Cherry** (06 46 36)

06 46 36 00-0169	LF		3/4" x 1-1/2" Custom Shaped Cherry ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.93 0.32	0.44
06 46 36 00-0170	LF		3/4" x 2-1/2" Custom Shaped Cherry ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.76 0.33	0.44
06 46 36 00-0171	LF		3/4" x 3-1/2" Custom Shaped Cherry ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.58 0.34	0.44
06 46 36 00-0172	LF		3/4" x 4-1/2" Custom Shaped Cherry ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.41 0.35	0.48
06 46 36 00-0173	LF		3/4" x 5-1/2" Custom Shaped Cherry ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.26 0.37	0.48
06 46 36 00-0174	LF		3/4" x 6-1/2" Custom Shaped Cherry ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.13 0.39	0.51
06 46 36 00-0175	LF		3/4" x 7-1/2" Custom Shaped Cherry ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.95 0.40	0.51
06 46 36 00-0176	LF		3/4" x 8-1/2" Custom Shaped Cherry ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.78 0.41	0.51
06 46 36 00-0177	LF		3/4" x 9-1/2" Custom Shaped Cherry ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.57 0.41	0.55
06 46 36 00-0178	LF		3/4" x 10-1/2" Custom Shaped Cherry ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.45 0.44	0.55
06 46 36 00-0179	LF		3/4" x 11-1/2" Custom Shaped Cherry ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.29 0.45	0.59
06 46 36 00-0180	LF		1" x 1-1/2" Custom Shaped Cherry ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.14 0.33	0.44
06 46 36 00-0181	LF		1" x 2-1/2" Custom Shaped Cherry ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.54 0.34	0.44
06 46 36 00-0182	LF		1" x 3-1/2" Custom Shaped Cherry ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.94 0.35	0.48
06 46 36 00-0183	LF		1" x 4-1/2" Custom Shaped Cherry ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.34 0.36	0.48
06 46 36 00-0184	LF		1" x 5-1/2" Custom Shaped Cherry ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.79 0.38	0.51
06 46 36 00-0185	LF		1" x 6-1/2" Custom Shaped Cherry ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.23 0.40	0.51



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0186	LF		1" x 7-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.63 0.41	0.51
06 46 36 00-0187	LF		1" x 8-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.07 0.42	0.55
06 46 36 00-0188	LF		1" x 9-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.42 0.42	0.55
06 46 36 00-0189	LF		1" x 10-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.87 0.45	0.59
06 46 36 00-0190	LF		1" x 11-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	30.30 0.46	0.59
06 46 36 00-0191	LF		1-1/4" x 1-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.44 0.34	0.44
06 46 36 00-0192	LF		1-1/4" x 2-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.51 0.35	0.44
06 46 36 00-0193	LF		1-1/4" x 3-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.52 0.36	0.48
06 46 36 00-0194	LF		1-1/4" x 4-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.57 0.37	0.48
06 46 36 00-0195	LF		1-1/4" x 5-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.63 0.39	0.51
06 46 36 00-0196	LF		1-1/4" x 6-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.73 0.41	0.51
06 46 36 00-0197	LF		1-1/4" x 7-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.75 0.42	0.55
06 46 36 00-0198	LF		1-1/4" x 8-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.81 0.43	0.55
06 46 36 00-0199	LF		1-1/4" x 9-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	31.80 0.43	0.55
06 46 36 00-0200	LF		1-1/4" x 10-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	34.92 0.46	0.59
06 46 36 00-0201	LF		1-1/4" x 11-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	37.96 0.47	0.63
06 46 36 00-0202	LF		1-1/2" x 1-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.91 0.35	0.44
06 46 36 00-0203	LF		1-1/2" x 2-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.16 0.35	0.48
06 46 36 00-0204	LF		1-1/2" x 3-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.42 0.37	0.48
06 46 36 00-0205	LF		1-1/2" x 4-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.67 0.37	0.51
06 46 36 00-0206	LF		1-1/2" x 5-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	26.92 0.39	0.51
06 46 36 00-0207	LF		1-1/2" x 6-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	31.26 0.42	0.55
06 46 36 00-0208	LF		1-1/2" x 7-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	35.51 0.43	0.55
06 46 36 00-0209	LF		1-1/2" x 8-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	39.77 0.44	0.55
06 46 36 00-0210	LF		1-1/2" x 9-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	43.99 0.44	0.59
06 46 36 00-0211	LF		1-1/2" x 10-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	48.38 0.47	0.59
06 46 36 00-0212	LF		1-1/2" x 11-1/2" Custom Shaped Cherry <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	52.58 0.48	0.63
<b>06 46 36 00-0213 Cypress <small>(06 46 36)</small></b>					
06 46 36 00-0214	LF		3/4" x 1-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	3.41 0.32	0.44
06 46 36 00-0215	LF		3/4" x 2-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.48 0.33	0.44
06 46 36 00-0216	LF		3/4" x 3-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.53 0.34	0.44
06 46 36 00-0217	LF		3/4" x 4-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.60 0.35	0.48
06 46 36 00-0218	LF		3/4" x 5-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.69 0.37	0.48
06 46 36 00-0219	LF		3/4" x 6-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.80 0.39	0.51
06 46 36 00-0220	LF		3/4" x 7-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.14 0.40	0.51
06 46 36 00-0221	LF		3/4" x 8-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.25 0.41	0.51
06 46 36 00-0222	LF		3/4" x 9-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.41 0.41	0.55
06 46 36 00-0223	LF		3/4" x 10-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.67 0.44	0.55
06 46 36 00-0224	LF		1" x 1-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	4.97 0.33	0.44
06 46 36 00-0225	LF		1" x 2-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.77 0.34	0.44
06 46 36 00-0226	LF		1" x 3-1/2" Custom Shaped Cypress <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	8.58 0.35	0.48

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0227	LF		1" x 4-1/2" Custom Shaped Cypress.....	10.40	0.48
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.36	
06 46 36 00-0228	LF		1" x 5-1/2" Custom Shaped Cypress.....	12.27	0.51
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.38	
06 46 36 00-0229	LF		1" x 6-1/2" Custom Shaped Cypress.....	14.10	0.51
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.40	
06 46 36 00-0230	LF		1" x 7-1/2" Custom Shaped Cypress.....	15.92	0.51
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.41	
06 46 36 00-0231	LF		1" x 8-1/2" Custom Shaped Cypress.....	17.74	0.55
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.42	
06 46 36 00-0232	LF		1" x 9-1/2" Custom Shaped Cypress.....	19.54	0.55
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.42	
06 46 36 00-0233	LF		1" x 10-1/2" Custom Shaped Cypress.....	21.45	0.59
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.45	
06 46 36 00-0234	LF		1" x 11-1/2" Custom Shaped Cypress.....	23.23	0.59
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.46	
06 46 36 00-0235	LF		1-1/2" x 1-1/2" Custom Shaped Cypress.....	6.00	0.44
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.35	
06 46 36 00-0236	LF		1-1/2" x 2-1/2" Custom Shaped Cypress.....	8.29	0.48
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.35	
06 46 36 00-0237	LF		1-1/2" x 3-1/2" Custom Shaped Cypress.....	10.59	0.48
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.37	
06 46 36 00-0238	LF		1-1/2" x 4-1/2" Custom Shaped Cypress.....	12.87	0.51
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.37	
06 46 36 00-0239	LF		1-1/2" x 5-1/2" Custom Shaped Cypress.....	15.17	0.51
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.39	
06 46 36 00-0240	LF		1-1/2" x 6-1/2" Custom Shaped Cypress.....	17.55	0.55
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.42	
06 46 36 00-0241	LF		1-1/2" x 7-1/2" Custom Shaped Cypress.....	19.84	0.55
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.43	
06 46 36 00-0242	LF		1-1/2" x 8-1/2" Custom Shaped Cypress.....	22.14	0.55
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.44	
06 46 36 00-0243	LF		1-1/2" x 9-1/2" Custom Shaped Cypress.....	26.58	0.59
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.44	
06 46 36 00-0244	LF		1-1/2" x 10-1/2" Custom Shaped Cypress.....	29.09	0.59
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.47	
<b>06 46 36 00-0245</b>	<b>Fir</b>	<small>(06 46 36)</small>			
06 46 36 00-0246	LF		3/4" x 1-1/2" Custom Shaped Fir.....	3.99	0.44
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.32	
06 46 36 00-0247	LF		3/4" x 2-1/2" Custom Shaped Fir.....	5.35	0.44
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.33	
06 46 36 00-0248	LF		3/4" x 3-1/2" Custom Shaped Fir.....	6.69	0.44
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.34	
06 46 36 00-0249	LF		3/4" x 4-1/2" Custom Shaped Fir.....	8.05	0.48
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.35	
06 46 36 00-0250	LF		3/4" x 5-1/2" Custom Shaped Fir.....	9.43	0.48
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.37	
06 46 36 00-0251	LF		3/4" x 6-1/2" Custom Shaped Fir.....	10.83	0.51
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.39	
06 46 36 00-0252	LF		3/4" x 7-1/2" Custom Shaped Fir.....	12.18	0.51
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.40	
06 46 36 00-0253	LF		3/4" x 8-1/2" Custom Shaped Fir.....	13.53	0.51
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.41	
06 46 36 00-0254	LF		3/4" x 9-1/2" Custom Shaped Fir.....	14.86	0.55
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.41	
06 46 36 00-0255	LF		3/4" x 10-1/2" Custom Shaped Fir.....	16.26	0.59
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.44	
06 46 36 00-0256	LF		1" x 1-1/2" Custom Shaped Fir.....	4.97	0.44
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.33	
06 46 36 00-0257	LF		1" x 2-1/2" Custom Shaped Fir.....	6.77	0.44
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.34	
06 46 36 00-0258	LF		1" x 3-1/2" Custom Shaped Fir.....	8.58	0.48
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.35	
06 46 36 00-0259	LF		1" x 4-1/2" Custom Shaped Fir.....	10.40	0.48
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.36	
06 46 36 00-0260	LF		1" x 5-1/2" Custom Shaped Fir.....	12.27	0.51
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.38	
06 46 36 00-0261	LF		1" x 6-1/2" Custom Shaped Fir.....	14.10	0.51
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.40	
06 46 36 00-0262	LF		1" x 7-1/2" Custom Shaped Fir.....	15.92	0.51
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.41	
06 46 36 00-0263	LF		1" x 8-1/2" Custom Shaped Fir.....	17.74	0.55
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.42	
06 46 36 00-0264	LF		1" x 9-1/2" Custom Shaped Fir.....	19.54	0.55
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.42	
06 46 36 00-0265	LF		1" x 10-1/2" Custom Shaped Fir.....	21.45	0.59
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.45	
06 46 36 00-0266	LF		1" x 11-1/2" Custom Shaped Fir.....	23.23	0.59
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.46	
06 46 36 00-0267	LF		1-1/4" x 1-1/2" Custom Shaped Fir.....	5.70	0.44
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0268 LF 1-1/4" x 2-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.89 0.35	0.44
06 46 36 00-0269 LF 1-1/4" x 3-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.04 0.36	0.48
06 46 36 00-0270 LF 1-1/4" x 4-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.22 0.37	0.48
06 46 36 00-0271 LF 1-1/4" x 5-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.41 0.39	0.51
06 46 36 00-0272 LF 1-1/4" x 6-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	16.64 0.41	0.51
06 46 36 00-0273 LF 1-1/4" x 7-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.78 0.42	0.55
06 46 36 00-0274 LF 1-1/4" x 8-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.97 0.43	0.55
06 46 36 00-0275 LF 1-1/4" x 9-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.10 0.43	0.55
06 46 36 00-0276 LF 1-1/4" x 10-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.35 0.46	0.59
06 46 36 00-0277 LF 1-1/4" x 11-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.51 0.47	0.63
06 46 36 00-0278 LF 1-1/2" x 1-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.72 0.35	0.44
06 46 36 00-0279 LF 1-1/2" x 2-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.37 0.35	0.48
06 46 36 00-0280 LF 1-1/2" x 3-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.04 0.37	0.48
06 46 36 00-0281 LF 1-1/2" x 4-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.69 0.37	0.51
06 46 36 00-0282 LF 1-1/2" x 5-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.35 0.39	0.51
06 46 36 00-0283 LF 1-1/2" x 6-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.09 0.42	0.55
06 46 36 00-0284 LF 1-1/2" x 7-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.74 0.43	0.55
06 46 36 00-0285 LF 1-1/2" x 8-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.40 0.44	0.59
06 46 36 00-0286 LF 1-1/2" x 9-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.03 0.44	0.59
06 46 36 00-0287 LF 1-1/2" x 10-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	30.76 0.47	0.63
06 46 36 00-0288 LF 1-1/2" x 11-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	33.43 0.48	0.63
06 46 36 00-0289 LF 2-1/2" x 1-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.02 0.36	0.48
06 46 36 00-0290 LF 2-1/2" x 2-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.28 0.37	0.48
06 46 36 00-0291 LF 2-1/2" x 3-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	22.54 0.38	0.51
06 46 36 00-0292 LF 2-1/2" x 4-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.83 0.40	0.51
06 46 36 00-0293 LF 2-1/2" x 5-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	33.11 0.41	0.51
06 46 36 00-0294 LF 2-1/2" x 6-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	38.44 0.43	0.55
06 46 36 00-0295 LF 2-1/2" x 7-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	43.70 0.44	0.59
06 46 36 00-0296 LF 2-1/2" x 8-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	49.09 0.46	0.59
06 46 36 00-0297 LF 2-1/2" x 9-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	54.27 0.47	0.63
06 46 36 00-0298 LF 2-1/2" x 10-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	59.53 0.48	0.63
06 46 36 00-0299 LF 3-1/2" x 3-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.46 0.39	0.51
06 46 36 00-0300 LF 3-1/2" x 4-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	35.13 0.40	0.51
06 46 36 00-0301 LF 3-1/2" x 5-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	41.84 0.41	0.55
06 46 36 00-0302 LF 3-1/2" x 6-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	48.64 0.44	0.59
06 46 36 00-0303 LF 3-1/2" x 7-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	55.35 0.45	0.59
06 46 36 00-0304 LF 3-1/2" x 8-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	62.10 0.47	0.63
06 46 36 00-0305 LF 3-1/2" x 9-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	68.82 0.48	0.63
06 46 36 00-0306 LF 3-1/2" x 10-1/2" Custom Shaped Fir ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	75.53 0.49	0.63
<b>06 46 36 00-0307 Honduran Mahogany (06 46 36)</b>		
06 46 36 00-0308 LF 3/4" x 1-1/2" Custom Shaped Honduras Mahogany ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	5.37 0.32	0.44

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 46 Wood Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0309	LF	3/4"	x 2-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.41 0.33	0.44
06 46 36 00-0310	LF	3/4"	x 3-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.45 0.34	0.44
06 46 36 00-0311	LF	3/4"	x 4-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.49 0.35	0.48
06 46 36 00-0312	LF	3/4"	x 5-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	13.57 0.37	0.48
06 46 36 00-0313	LF	3/4"	x 6-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.65 0.39	0.51
06 46 36 00-0314	LF	3/4"	x 7-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.69 0.40	0.51
06 46 36 00-0315	LF	3/4"	x 8-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	19.73 0.41	0.55
06 46 36 00-0316	LF	3/4"	x 9-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.75 0.41	0.55
06 46 36 00-0317	LF	3/4"	x 10-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.84 0.44	0.59
06 46 36 00-0318	LF	3/4"	x 11-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.90 0.45	0.59
06 46 36 00-0319	LF	1"	x 1-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.79 0.33	0.44
06 46 36 00-0320	LF	1"	x 2-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	9.49 0.34	0.44
06 46 36 00-0321	LF	1"	x 3-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.21 0.35	0.48
06 46 36 00-0322	LF	1"	x 4-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.93 0.36	0.48
06 46 36 00-0323	LF	1"	x 5-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.71 0.38	0.51
06 46 36 00-0324	LF	1"	x 6-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.45 0.40	0.51
06 46 36 00-0325	LF	1"	x 7-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.17 0.41	0.55
06 46 36 00-0326	LF	1"	x 8-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	25.90 0.42	0.55
06 46 36 00-0327	LF	1"	x 9-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.61 0.42	0.55
06 46 36 00-0328	LF	1"	x 10-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	31.36 0.45	0.59
06 46 36 00-0329	LF	1"	x 11-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	34.47 0.46	0.59
06 46 36 00-0330	LF	1-1/4"	x 1-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	7.88 0.34	0.44
06 46 36 00-0331	LF	1-1/4"	x 2-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	11.16 0.35	0.44
06 46 36 00-0332	LF	1-1/4"	x 3-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.39 0.36	0.48
06 46 36 00-0333	LF	1-1/4"	x 4-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.66 0.37	0.48
06 46 36 00-0334	LF	1-1/4"	x 5-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	20.94 0.39	0.51
06 46 36 00-0335	LF	1-1/4"	x 6-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	24.26 0.41	0.55
06 46 36 00-0336	LF	1-1/4"	x 7-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.49 0.42	0.55
06 46 36 00-0337	LF	1-1/4"	x 8-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	30.77 0.43	0.55
06 46 36 00-0338	LF	1-1/4"	x 9-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	33.25 0.43	0.55
06 46 36 00-0339	LF	1-1/4"	x 10-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	37.32 0.46	0.59
06 46 36 00-0340	LF	1-1/4"	x 11-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	40.57 0.47	0.63
06 46 36 00-0341	LF	1-1/2"	x 1-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	10.06 0.35	0.44
06 46 36 00-0342	LF	1-1/2"	x 2-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	14.38 0.35	0.48
06 46 36 00-0343	LF	1-1/2"	x 3-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	18.71 0.37	0.48
06 46 36 00-0344	LF	1-1/2"	x 4-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.03 0.37	0.48
06 46 36 00-0345	LF	1-1/2"	x 5-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.36 0.39	0.51
06 46 36 00-0346	LF	1-1/2"	x 6-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	31.77 0.42	0.55
06 46 36 00-0347	LF	1-1/2"	x 7-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	36.09 0.43	0.55
06 46 36 00-0348	LF	1-1/2"	x 8-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	40.42 0.44	0.59
06 46 36 00-0349	LF	1-1/2"	x 9-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	44.72 0.44	0.59
06 46 36 00-0350	LF	1-1/2"	x 10-1/2" Custom Shaped Honduras Mahogany..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	49.11 0.47	0.59



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0351 LF 1-1/2" x 11-1/2" Custom Shaped Honduras Mahogany ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	53.52 0.48	0.63
06 46 36 00-0352 LF 2" x 1-1/2" Custom Shaped Honduras Mahogany ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	12.23 0.35	0.48
06 46 36 00-0353 LF 2" x 2-1/2" Custom Shaped Honduras Mahogany ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	17.64 0.36	0.48
06 46 36 00-0354 LF 2" x 3-1/2" Custom Shaped Honduras Mahogany ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	23.01 0.37	0.48
06 46 36 00-0355 LF 2" x 4-1/2" Custom Shaped Honduras Mahogany ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	28.46 0.39	0.51
06 46 36 00-0356 LF 2" x 5-1/2" Custom Shaped Honduras Mahogany ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	33.83 0.40	0.51
06 46 36 00-0357 LF 2" x 6-1/2" Custom Shaped Honduras Mahogany ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	39.31 0.42	0.55
06 46 36 00-0358 LF 2" x 7-1/2" Custom Shaped Honduras Mahogany ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	44.68 0.43	0.55
06 46 36 00-0359 LF 2" x 8-1/2" Custom Shaped Honduras Mahogany ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	50.13 0.45	0.59
06 46 36 00-0360 LF 2" x 9-1/2" Custom Shaped Honduras Mahogany ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	55.50 0.46	0.59
06 46 36 00-0361 LF 2" x 10-1/2" Custom Shaped Honduras Mahogany ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	60.92 0.47	0.63
06 46 36 00-0362 LF 2" x 11-1/2" Custom Shaped Honduras Mahogany ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	66.36 0.50	0.67
06 46 36 00-0363 LF 2-1/2" x 1-1/2" Custom Shaped Honduras Mahogany ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	15.35 0.36	0.48
06 46 36 00-0364 LF 2-1/2" x 2-1/2" Custom Shaped Honduras Mahogany ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	21.20 0.37	0.48
06 46 36 00-0365 LF 2-1/2" x 3-1/2" Custom Shaped Honduras Mahogany ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	27.76 0.38	0.51
06 46 36 00-0366 LF 2-1/2" x 4-1/2" Custom Shaped Honduras Mahogany ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	34.36 0.40	0.51
06 46 36 00-0367 LF 2-1/2" x 5-1/2" Custom Shaped Honduras Mahogany ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	40.94 0.41	0.51
06 46 36 00-0368 LF 2-1/2" x 6-1/2" Custom Shaped Honduras Mahogany ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	47.58 0.43	0.55
06 46 36 00-0369 LF 2-1/2" x 7-1/2" Custom Shaped Honduras Mahogany ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	54.15 0.44	0.59
06 46 36 00-0370 LF 2-1/2" x 8-1/2" Custom Shaped Honduras Mahogany ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	60.77 0.46	0.59
06 46 36 00-0371 LF 2-1/2" x 9-1/2" Custom Shaped Honduras Mahogany ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	67.33 0.47	0.63
06 46 36 00-0372 LF 2-1/2" x 10-1/2" Custom Shaped Honduras Mahogany ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	73.90 0.48	0.63
06 46 36 00-0373 LF 2-1/2" x 11-1/2" Custom Shaped Honduras Mahogany ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	80.54 0.51	0.67
06 46 36 00-0374 LF 3-1/2" x 3-1/2" Custom Shaped Honduras Mahogany ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	38.25 0.39	0.51
06 46 36 00-0375 LF 3-1/2" x 4-1/2" Custom Shaped Honduras Mahogany ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	47.46 0.40	0.51
06 46 36 00-0376 LF 3-1/2" x 5-1/2" Custom Shaped Honduras Mahogany ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	56.64 0.41	0.55
06 46 36 00-0377 LF 3-1/2" x 6-1/2" Custom Shaped Honduras Mahogany ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	65.90 0.44	0.59
06 46 36 00-0378 LF 3-1/2" x 7-1/2" Custom Shaped Honduras Mahogany ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	75.08 0.45	0.59
06 46 36 00-0379 LF 3-1/2" x 8-1/2" Custom Shaped Honduras Mahogany ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	84.30 0.47	0.63
06 46 36 00-0380 LF 3-1/2" x 9-1/2" Custom Shaped Honduras Mahogany ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	93.48 0.48	0.63
06 46 36 00-0381 LF 3-1/2" x 10-1/2" Custom Shaped Honduras Mahogany ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	102.66 0.49	0.63
06 46 36 00-0382 LF 3-1/2" x 11-1/2" Custom Shaped Honduras Mahogany ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	111.92 0.52	0.67
<b>06 46 36 00-0383 Maple (06 46 36)</b>		
06 46 36 00-0384 LF 3/4" x 1-1/2" Custom Shaped Maple .....	3.70	0.44
06 46 36 00-0385 LF 3/4" x 2-1/2" Custom Shaped Maple .....	4.91	0.44
06 46 36 00-0386 LF 3/4" x 3-1/2" Custom Shaped Maple .....	6.11	0.44
06 46 36 00-0387 LF 3/4" x 4-1/2" Custom Shaped Maple .....	7.32	0.48
06 46 36 00-0388 LF 3/4" x 5-1/2" Custom Shaped Maple .....	8.56	0.48
06 46 36 00-0389 LF 3/4" x 6-1/2" Custom Shaped Maple .....	9.81	0.51
06 46 36 00-0390 LF 3/4" x 7-1/2" Custom Shaped Maple .....	11.02	0.51
06 46 36 00-0391 LF 3/4" x 8-1/2" Custom Shaped Maple .....	12.23	0.51
06 46 36 00-0392 LF 3/4" x 9-1/2" Custom Shaped Maple .....	13.41	0.55
06 46 36 00-0393 LF 3/4" x 10-1/2" Custom Shaped Maple .....	14.67	0.59
06 46 36 00-0394 LF 3/4" x 11-1/2" Custom Shaped Maple .....	15.89	0.59
06 46 36 00-0395 LF 1" x 1-1/2" Custom Shaped Maple .....	4.61	0.44
06 46 36 00-0396 LF 1" x 2-1/2" Custom Shaped Maple .....	6.22	0.44
06 46 36 00-0397 LF 1" x 3-1/2" Custom Shaped Maple .....	7.86	0.48
06 46 36 00-0398 LF 1" x 4-1/2" Custom Shaped Maple .....	9.49	0.48
06 46 36 00-0399 LF 1" x 5-1/2" Custom Shaped Maple .....	11.18	0.51



**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 46 Wood Trim**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

06 46 36 00-0400	LF	1" x 6-1/2" Custom Shaped Maple.....	12.83	0.51
06 46 36 00-0401	LF	1" x 7-1/2" Custom Shaped Maple.....	14.46	0.51
06 46 36 00-0402	LF	1" x 8-1/2" Custom Shaped Maple.....	16.11	0.55
06 46 36 00-0403	LF	1" x 9-1/2" Custom Shaped Maple.....	17.73	0.55
06 46 36 00-0404	LF	1" x 10-1/2" Custom Shaped Maple.....	18.66	0.59
06 46 36 00-0405	LF	1" x 11-1/2" Custom Shaped Maple.....	21.05	0.59
06 46 36 00-0406	LF	1-1/4" x 1-1/2" Custom Shaped Maple.....	5.38	0.44
06 46 36 00-0407	LF	1-1/4" x 2-1/2" Custom Shaped Maple.....	7.39	0.44
06 46 36 00-0408	LF	1-1/4" x 3-1/2" Custom Shaped Maple.....	9.38	0.48
06 46 36 00-0409	LF	1-1/4" x 4-1/2" Custom Shaped Maple.....	11.38	0.48
06 46 36 00-0410	LF	1-1/4" x 5-1/2" Custom Shaped Maple.....	13.43	0.51
06 46 36 00-0411	LF	1-1/4" x 6-1/2" Custom Shaped Maple.....	15.48	0.51
06 46 36 00-0412	LF	1-1/4" x 7-1/2" Custom Shaped Maple.....	17.48	0.55
06 46 36 00-0413	LF	1-1/4" x 8-1/2" Custom Shaped Maple.....	19.49	0.55
06 46 36 00-0414	LF	1-1/4" x 9-1/2" Custom Shaped Maple.....	21.47	0.55
06 46 36 00-0415	LF	1-1/4" x 10-1/2" Custom Shaped Maple.....	23.53	0.59
06 46 36 00-0416	LF	1-1/4" x 11-1/2" Custom Shaped Maple.....	25.55	0.63
06 46 36 00-0417	LF	1-1/2" x 1-1/2" Custom Shaped Maple.....	7.01	0.44
06 46 36 00-0418	LF	1-1/2" x 2-1/2" Custom Shaped Maple.....	9.81	0.48
06 46 36 00-0419	LF	1-1/2" x 3-1/2" Custom Shaped Maple.....	12.62	0.48
06 46 36 00-0420	LF	1-1/2" x 4-1/2" Custom Shaped Maple.....	15.41	0.51
06 46 36 00-0421	LF	1-1/2" x 5-1/2" Custom Shaped Maple.....	18.22	0.51
06 46 36 00-0422	LF	1-1/2" x 6-1/2" Custom Shaped Maple.....	21.11	0.55
06 46 36 00-0423	LF	1-1/2" x 7-1/2" Custom Shaped Maple.....	23.90	0.55
06 46 36 00-0424	LF	1-1/2" x 8-1/2" Custom Shaped Maple.....	27.07	0.59
06 46 36 00-0425	LF	1-1/2" x 9-1/2" Custom Shaped Maple.....	29.49	0.59
06 46 36 00-0426	LF	1-1/2" x 10-1/2" Custom Shaped Maple.....	32.42	0.63
06 46 36 00-0427	LF	1-1/2" x 11-1/2" Custom Shaped Maple.....	35.17	0.63
06 46 36 00-0428	LF	2" x 1-1/2" Custom Shaped Maple.....	9.69	0.48
06 46 36 00-0429	LF	2" x 2-1/2" Custom Shaped Maple.....	13.83	0.48
06 46 36 00-0430	LF	2" x 3-1/2" Custom Shaped Maple.....	17.93	0.48
06 46 36 00-0431	LF	2" x 4-1/2" Custom Shaped Maple.....	22.11	0.51
06 46 36 00-0432	LF	2" x 5-1/2" Custom Shaped Maple.....	26.21	0.51
06 46 36 00-0433	LF	2" x 6-1/2" Custom Shaped Maple.....	30.42	0.55
06 46 36 00-0434	LF	2" x 7-1/2" Custom Shaped Maple.....	34.52	0.55
06 46 36 00-0435	LF	2" x 8-1/2" Custom Shaped Maple.....	38.70	0.59
06 46 36 00-0436	LF	2" x 9-1/2" Custom Shaped Maple.....	42.80	0.59
06 46 36 00-0437	LF	2" x 10-1/2" Custom Shaped Maple.....	46.95	0.63
06 46 36 00-0438	LF	2" x 11-1/2" Custom Shaped Maple.....	51.49	0.67
06 46 36 00-0439	LF	3-1/2" x 3-1/2" Custom Shaped Maple.....	41.15	0.51
06 46 36 00-0440	LF	3-1/2" x 4-1/2" Custom Shaped Maple.....	51.09	0.51
06 46 36 00-0441	LF	3-1/2" x 5-1/2" Custom Shaped Maple.....	60.99	0.55
06 46 36 00-0442	LF	3-1/2" x 6-1/2" Custom Shaped Maple.....	70.98	0.59
06 46 36 00-0443	LF	3-1/2" x 7-1/2" Custom Shaped Maple.....	80.88	0.59
06 46 36 00-0444	LF	3-1/2" x 8-1/2" Custom Shaped Maple.....	90.83	0.63
06 46 36 00-0445	LF	3-1/2" x 9-1/2" Custom Shaped Maple.....	100.74	0.63
06 46 36 00-0446	LF	3-1/2" x 10-1/2" Custom Shaped Maple.....	110.64	0.63
06 46 36 00-0447	LF	3-1/2" x 11-1/2" Custom Shaped Maple.....	120.63	0.67

**06 46 36 00-0448 Appl Soft Maple (06 46 36)**

06 46 36 00-0449	LF	3/4" x 1-1/2" Custom Shaped Appl Soft Maple.....	3.77	0.44
06 46 36 00-0450	LF	3/4" x 2-1/2" Custom Shaped Appl Soft Maple.....	5.02	0.44
06 46 36 00-0451	LF	3/4" x 3-1/2" Custom Shaped Appl Soft Maple.....	6.26	0.44
06 46 36 00-0452	LF	3/4" x 4-1/2" Custom Shaped Appl Soft Maple.....	7.50	0.48
06 46 36 00-0453	LF	3/4" x 5-1/2" Custom Shaped Appl Soft Maple.....	8.78	0.48
06 46 36 00-0454	LF	3/4" x 6-1/2" Custom Shaped Appl Soft Maple.....	10.07	0.51
06 46 36 00-0455	LF	3/4" x 7-1/2" Custom Shaped Appl Soft Maple.....	11.31	0.51
06 46 36 00-0456	LF	3/4" x 8-1/2" Custom Shaped Appl Soft Maple.....	12.55	0.51
06 46 36 00-0457	LF	3/4" x 9-1/2" Custom Shaped Appl Soft Maple.....	13.77	0.55
06 46 36 00-0458	LF	3/4" x 10-1/2" Custom Shaped Appl Soft Maple.....	15.07	0.59
06 46 36 00-0459	LF	3/4" x 11-1/2" Custom Shaped Appl Soft Maple.....	16.32	0.59
06 46 36 00-0460	LF	1" x 1-1/2" Custom Shaped Appl Soft Maple.....	4.43	0.44
06 46 36 00-0461	LF	1" x 2-1/2" Custom Shaped Appl Soft Maple.....	5.97	0.44
06 46 36 00-0462	LF	1" x 3-1/2" Custom Shaped Appl Soft Maple.....	7.49	0.48
06 46 36 00-0463	LF	1" x 4-1/2" Custom Shaped Appl Soft Maple.....	8.99	0.48
06 46 36 00-0464	LF	1" x 5-1/2" Custom Shaped Appl Soft Maple.....	10.64	0.51
06 46 36 00-0465	LF	1" x 6-1/2" Custom Shaped Appl Soft Maple.....	12.21	0.51
06 46 36 00-0466	LF	1" x 7-1/2" Custom Shaped Appl Soft Maple.....	13.74	0.51
06 46 36 00-0467	LF	1" x 8-1/2" Custom Shaped Appl Soft Maple.....	15.28	0.55
06 46 36 00-0468	LF	1" x 9-1/2" Custom Shaped Appl Soft Maple.....	16.82	0.55
06 46 36 00-0469	LF	1" x 10-1/2" Custom Shaped Appl Soft Maple.....	18.41	0.59
06 46 36 00-0470	LF	1" x 11-1/2" Custom Shaped Appl Soft Maple.....	19.96	0.59
06 46 36 00-0471	LF	1-1/4" x 1-1/2" Custom Shaped Appl Soft Maple.....	5.05	0.44
06 46 36 00-0472	LF	1-1/4" x 2-1/2" Custom Shaped Appl Soft Maple.....	6.91	0.44
06 46 36 00-0473	LF	1-1/4" x 3-1/2" Custom Shaped Appl Soft Maple.....	8.73	0.48
06 46 36 00-0474	LF	1-1/4" x 4-1/2" Custom Shaped Appl Soft Maple.....	10.59	0.48
06 46 36 00-0475	LF	1-1/4" x 5-1/2" Custom Shaped Appl Soft Maple.....	12.45	0.51
06 46 36 00-0476	LF	1-1/4" x 6-1/2" Custom Shaped Appl Soft Maple.....	14.36	0.51
06 46 36 00-0477	LF	1-1/4" x 7-1/2" Custom Shaped Appl Soft Maple.....	16.17	0.55
06 46 36 00-0478	LF	1-1/4" x 8-1/2" Custom Shaped Appl Soft Maple.....	18.04	0.55



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0479	LF		1-1/4" x 9-1/2" Custom Shaped Appl Soft Maple .....	19.83	0.55
06 46 36 00-0480	LF		1-1/4" x 10-1/2" Custom Shaped Appl Soft Maple .....	21.76	0.59
06 46 36 00-0481	LF		1-1/4" x 11-1/2" Custom Shaped Appl Soft Maple .....	23.59	0.63
06 46 36 00-0482	LF		1-1/2" x 1-1/2" Custom Shaped Appl Soft Maple .....	6.29	0.44
06 46 36 00-0483	LF		1-1/2" x 2-1/2" Custom Shaped Appl Soft Maple .....	8.72	0.48
06 46 36 00-0484	LF		1-1/2" x 3-1/2" Custom Shaped Appl Soft Maple .....	11.17	0.48
06 46 36 00-0485	LF		1-1/2" x 4-1/2" Custom Shaped Appl Soft Maple .....	13.60	0.51
06 46 36 00-0486	LF		1-1/2" x 5-1/2" Custom Shaped Appl Soft Maple .....	16.04	0.51
06 46 36 00-0487	LF		1-1/2" x 6-1/2" Custom Shaped Appl Soft Maple .....	18.57	0.55
06 46 36 00-0488	LF		1-1/2" x 7-1/2" Custom Shaped Appl Soft Maple .....	21.00	0.55
06 46 36 00-0489	LF		1-1/2" x 8-1/2" Custom Shaped Appl Soft Maple .....	23.44	0.59
06 46 36 00-0490	LF		1-1/2" x 9-1/2" Custom Shaped Appl Soft Maple .....	25.86	0.59
06 46 36 00-0491	LF		1-1/2" x 10-1/2" Custom Shaped Appl Soft Maple .....	28.36	0.63
06 46 36 00-0492	LF		1-1/2" x 11-1/2" Custom Shaped Appl Soft Maple .....	30.82	0.63
<b>06 46 36 00-0493 Red Oak <small>(06 46 36)</small></b>					
06 46 36 00-0494	LF		3/4" x 1-1/2" Custom Shaped Red Oak.....	4.14	0.44
06 46 36 00-0495	LF		3/4" x 2-1/2" Custom Shaped Red Oak.....	5.56	0.44
06 46 36 00-0496	LF		3/4" x 3-1/2" Custom Shaped Red Oak.....	6.98	0.44
06 46 36 00-0497	LF		3/4" x 4-1/2" Custom Shaped Red Oak.....	8.41	0.48
06 46 36 00-0498	LF		3/4" x 5-1/2" Custom Shaped Red Oak.....	9.87	0.48
06 46 36 00-0499	LF		3/4" x 6-1/2" Custom Shaped Red Oak.....	11.34	0.51
06 46 36 00-0500	LF		3/4" x 7-1/2" Custom Shaped Red Oak.....	12.76	0.51
06 46 36 00-0501	LF		3/4" x 8-1/2" Custom Shaped Red Oak.....	14.18	0.51
06 46 36 00-0502	LF		3/4" x 9-1/2" Custom Shaped Red Oak.....	15.58	0.55
06 46 36 00-0503	LF		3/4" x 10-1/2" Custom Shaped Red Oak.....	17.06	0.59
06 46 36 00-0504	LF		3/4" x 11-1/2" Custom Shaped Red Oak.....	18.50	0.59
06 46 36 00-0505	LF		1" x 1-1/2" Custom Shaped Red Oak .....	5.23	0.44
06 46 36 00-0506	LF		1" x 2-1/2" Custom Shaped Red Oak .....	7.20	0.44
06 46 36 00-0507	LF		1" x 3-1/2" Custom Shaped Red Oak .....	9.13	0.48
06 46 36 00-0508	LF		1" x 4-1/2" Custom Shaped Red Oak .....	11.81	0.48
06 46 36 00-0509	LF		1" x 5-1/2" Custom Shaped Red Oak .....	13.07	0.51
06 46 36 00-0510	LF		1" x 6-1/2" Custom Shaped Red Oak .....	15.08	0.51
06 46 36 00-0511	LF		1" x 7-1/2" Custom Shaped Red Oak .....	17.00	0.51
06 46 36 00-0512	LF		1" x 8-1/2" Custom Shaped Red Oak .....	18.94	0.55
06 46 36 00-0513	LF		1" x 9-1/2" Custom Shaped Red Oak .....	20.88	0.55
06 46 36 00-0514	LF		1" x 10-1/2" Custom Shaped Red Oak .....	22.90	0.59
06 46 36 00-0515	LF		1" x 11-1/2" Custom Shaped Red Oak .....	24.86	0.59
06 46 36 00-0516	LF		1-1/4" x 1-1/2" Custom Shaped Red Oak .....	6.79	0.44
06 46 36 00-0517	LF		1-1/4" x 2-1/2" Custom Shaped Red Oak .....	9.53	0.44
06 46 36 00-0518	LF		1-1/4" x 3-1/2" Custom Shaped Red Oak .....	12.21	0.48
06 46 36 00-0519	LF		1-1/4" x 4-1/2" Custom Shaped Red Oak .....	14.94	0.48
06 46 36 00-0520	LF		1-1/4" x 5-1/2" Custom Shaped Red Oak .....	17.68	0.51
06 46 36 00-0521	LF		1-1/4" x 6-1/2" Custom Shaped Red Oak .....	20.45	0.51
06 46 36 00-0522	LF		1-1/4" x 7-1/2" Custom Shaped Red Oak .....	23.14	0.55
06 46 36 00-0523	LF		1-1/4" x 8-1/2" Custom Shaped Red Oak .....	25.87	0.55
06 46 36 00-0524	LF		1-1/4" x 9-1/2" Custom Shaped Red Oak .....	28.54	0.55
06 46 36 00-0525	LF		1-1/4" x 10-1/2" Custom Shaped Red Oak .....	31.33	0.59
06 46 36 00-0526	LF		1-1/4" x 11-1/2" Custom Shaped Red Oak .....	34.04	0.63
06 46 36 00-0527	LF		1-1/2" x 1-1/2" Custom Shaped Red Oak .....	10.06	0.44
06 46 36 00-0528	LF		1-1/2" x 2-1/2" Custom Shaped Red Oak .....	14.38	0.48
06 46 36 00-0529	LF		1-1/2" x 3-1/2" Custom Shaped Red Oak .....	18.71	0.48
06 46 36 00-0530	LF		1-1/2" x 4-1/2" Custom Shaped Red Oak .....	23.03	0.48
06 46 36 00-0531	LF		1-1/2" x 5-1/2" Custom Shaped Red Oak .....	27.36	0.51
06 46 36 00-0532	LF		1-1/2" x 6-1/2" Custom Shaped Red Oak .....	31.84	0.55
06 46 36 00-0533	LF		1-1/2" x 7-1/2" Custom Shaped Red Oak .....	36.09	0.55
06 46 36 00-0534	LF		1-1/2" x 8-1/2" Custom Shaped Red Oak .....	41.14	0.59
06 46 36 00-0535	LF		1-1/2" x 9-1/2" Custom Shaped Red Oak .....	44.72	0.59
06 46 36 00-0536	LF		1-1/2" x 10-1/2" Custom Shaped Red Oak .....	49.11	0.59
06 46 36 00-0537	LF		1-1/2" x 11-1/2" Custom Shaped Red Oak .....	53.45	0.63
06 46 36 00-0538	LF		2" x 1-1/2" Custom Shaped Red Oak .....	16.22	0.48
06 46 36 00-0539	LF		2" x 2-1/2" Custom Shaped Red Oak .....	23.62	0.48
06 46 36 00-0540	LF		2" x 3-1/2" Custom Shaped Red Oak .....	30.99	0.48
06 46 36 00-0541	LF		2" x 4-1/2" Custom Shaped Red Oak .....	38.43	0.51
06 46 36 00-0542	LF		2" x 5-1/2" Custom Shaped Red Oak .....	45.80	0.51
06 46 36 00-0543	LF		2" x 6-1/2" Custom Shaped Red Oak .....	53.27	0.55
06 46 36 00-0544	LF		2" x 7-1/2" Custom Shaped Red Oak .....	60.64	0.55
06 46 36 00-0545	LF		2" x 8-1/2" Custom Shaped Red Oak .....	68.08	0.59
06 46 36 00-0546	LF		2" x 9-1/2" Custom Shaped Red Oak .....	75.45	0.59
06 46 36 00-0547	LF		2" x 10-1/2" Custom Shaped Red Oak .....	82.86	0.63
06 46 36 00-0548	LF		2" x 11-1/2" Custom Shaped Red Oak .....	90.30	0.67
<b>06 46 36 00-0549 White Oak <small>(06 46 36)</small></b>					
06 46 36 00-0550	LF		3/4" x 1-1/2" Custom Shaped White Oak.....	4.21	0.44
06 46 36 00-0551	LF		3/4" x 2-1/2" Custom Shaped White Oak.....	5.67	0.44
06 46 36 00-0552	LF		3/4" x 3-1/2" Custom Shaped White Oak.....	7.13	0.44
06 46 36 00-0553	LF		3/4" x 4-1/2" Custom Shaped White Oak.....	8.59	0.48
06 46 36 00-0554	LF		3/4" x 5-1/2" Custom Shaped White Oak.....	10.09	0.48
06 46 36 00-0555	LF		3/4" x 6-1/2" Custom Shaped White Oak.....	11.59	0.51

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 46 Wood Trim**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

06 46 36 00-0556	LF	3/4" x 7-1/2" Custom Shaped White Oak.....	13.05	0.51
06 46 36 00-0557	LF	3/4" x 8-1/2" Custom Shaped White Oak.....	14.51	0.51
06 46 36 00-0558	LF	3/4" x 9-1/2" Custom Shaped White Oak.....	15.95	0.55
06 46 36 00-0559	LF	3/4" x 10-1/2" Custom Shaped White Oak.....	17.46	0.59
06 46 36 00-0560	LF	3/4" x 11-1/2" Custom Shaped White Oak.....	18.93	0.59
06 46 36 00-0561	LF	1" x 1-1/2" Custom Shaped White Oak.....	5.23	0.44
06 46 36 00-0562	LF	1" x 2-1/2" Custom Shaped White Oak.....	7.20	0.44
06 46 36 00-0563	LF	1" x 3-1/2" Custom Shaped White Oak.....	9.13	0.48
06 46 36 00-0564	LF	1" x 4-1/2" Custom Shaped White Oak.....	11.81	0.48
06 46 36 00-0565	LF	1" x 5-1/2" Custom Shaped White Oak.....	13.07	0.51
06 46 36 00-0566	LF	1" x 6-1/2" Custom Shaped White Oak.....	15.08	0.51
06 46 36 00-0567	LF	1" x 7-1/2" Custom Shaped White Oak.....	17.00	0.51
06 46 36 00-0568	LF	1" x 8-1/2" Custom Shaped White Oak.....	18.94	0.55
06 46 36 00-0569	LF	1" x 9-1/2" Custom Shaped White Oak.....	20.88	0.55
06 46 36 00-0570	LF	1" x 10-1/2" Custom Shaped White Oak.....	22.90	0.59
06 46 36 00-0571	LF	1" x 11-1/2" Custom Shaped White Oak.....	24.86	0.59
06 46 36 00-0572	LF	1-1/4" x 1-1/2" Custom Shaped White Oak.....	6.90	0.44
06 46 36 00-0573	LF	1-1/4" x 2-1/2" Custom Shaped White Oak.....	9.67	0.44
06 46 36 00-0574	LF	1-1/4" x 3-1/2" Custom Shaped White Oak.....	12.43	0.48
06 46 36 00-0575	LF	1-1/4" x 4-1/2" Custom Shaped White Oak.....	15.19	0.48
06 46 36 00-0576	LF	1-1/4" x 5-1/2" Custom Shaped White Oak.....	18.00	0.51
06 46 36 00-0577	LF	1-1/4" x 6-1/2" Custom Shaped White Oak.....	20.81	0.51
06 46 36 00-0578	LF	1-1/4" x 7-1/2" Custom Shaped White Oak.....	23.57	0.55
06 46 36 00-0579	LF	1-1/4" x 8-1/2" Custom Shaped White Oak.....	26.34	0.55
06 46 36 00-0580	LF	1-1/4" x 9-1/2" Custom Shaped White Oak.....	29.08	0.55
06 46 36 00-0581	LF	1-1/4" x 10-1/2" Custom Shaped White Oak.....	31.91	0.59
06 46 36 00-0582	LF	1-1/4" x 11-1/2" Custom Shaped White Oak.....	34.69	0.63
06 46 36 00-0583	LF	1-1/2" x 1-1/2" Custom Shaped White Oak.....	12.24	0.44
06 46 36 00-0584	LF	1-1/2" x 2-1/2" Custom Shaped White Oak.....	17.64	0.48
06 46 36 00-0585	LF	1-1/2" x 3-1/2" Custom Shaped White Oak.....	23.06	0.48
06 46 36 00-0586	LF	1-1/2" x 4-1/2" Custom Shaped White Oak.....	28.47	0.51
06 46 36 00-0587	LF	1-1/2" x 5-1/2" Custom Shaped White Oak.....	33.89	0.51
06 46 36 00-0588	LF	1-1/2" x 6-1/2" Custom Shaped White Oak.....	39.39	0.55
06 46 36 00-0589	LF	1-1/2" x 7-1/2" Custom Shaped White Oak.....	44.79	0.55
06 46 36 00-0590	LF	1-1/2" x 8-1/2" Custom Shaped White Oak.....	50.21	0.59
06 46 36 00-0591	LF	1-1/2" x 9-1/2" Custom Shaped White Oak.....	54.87	0.59
06 46 36 00-0592	LF	1-1/2" x 10-1/2" Custom Shaped White Oak.....	61.08	0.63
06 46 36 00-0593	LF	1-1/2" x 11-1/2" Custom Shaped White Oak.....	66.51	0.63

**06 46 36 00-0594 White Pine** (06 46 36)

06 46 36 00-0595	LF	3/4" x 1-1/2" Custom Shaped White Pine.....	4.86	0.44
06 46 36 00-0596	LF	3/4" x 2-1/2" Custom Shaped White Pine.....	6.65	0.44
06 46 36 00-0597	LF	3/4" x 3-1/2" Custom Shaped White Pine.....	8.43	0.44
06 46 36 00-0598	LF	3/4" x 4-1/2" Custom Shaped White Pine.....	10.22	0.48
06 46 36 00-0599	LF	3/4" x 5-1/2" Custom Shaped White Pine.....	12.05	0.48
06 46 36 00-0600	LF	3/4" x 6-1/2" Custom Shaped White Pine.....	13.88	0.51
06 46 36 00-0601	LF	3/4" x 7-1/2" Custom Shaped White Pine.....	15.66	0.51
06 46 36 00-0602	LF	3/4" x 8-1/2" Custom Shaped White Pine.....	17.45	0.51
06 46 36 00-0603	LF	3/4" x 9-1/2" Custom Shaped White Pine.....	20.30	0.55
06 46 36 00-0604	LF	3/4" x 10-1/2" Custom Shaped White Pine.....	22.25	0.59
06 46 36 00-0605	LF	1" x 1-1/2" Custom Shaped White Pine.....	5.59	0.44
06 46 36 00-0606	LF	1" x 2-1/2" Custom Shaped White Pine.....	7.74	0.44
06 46 36 00-0607	LF	1" x 3-1/2" Custom Shaped White Pine.....	9.85	0.48
06 46 36 00-0608	LF	1" x 4-1/2" Custom Shaped White Pine.....	12.00	0.48
06 46 36 00-0609	LF	1" x 5-1/2" Custom Shaped White Pine.....	14.15	0.51
06 46 36 00-0610	LF	1" x 6-1/2" Custom Shaped White Pine.....	16.35	0.51
06 46 36 00-0611	LF	1" x 7-1/2" Custom Shaped White Pine.....	18.45	0.51
06 46 36 00-0612	LF	1" x 8-1/2" Custom Shaped White Pine.....	20.61	0.55
06 46 36 00-0613	LF	1" x 9-1/2" Custom Shaped White Pine.....	22.70	0.55
06 46 36 00-0614	LF	1" x 10-1/2" Custom Shaped White Pine.....	24.90	0.59
06 46 36 00-0615	LF	1" x 11-1/2" Custom Shaped White Pine.....	27.04	0.59
06 46 36 00-0616	LF	1-1/4" x 1-1/2" Custom Shaped White Pine.....	6.47	0.44
06 46 36 00-0617	LF	1-1/4" x 2-1/2" Custom Shaped White Pine.....	9.02	0.44
06 46 36 00-0618	LF	1-1/4" x 3-1/2" Custom Shaped White Pine.....	11.63	0.48
06 46 36 00-0619	LF	1-1/4" x 4-1/2" Custom Shaped White Pine.....	14.10	0.48
06 46 36 00-0620	LF	1-1/4" x 5-1/2" Custom Shaped White Pine.....	16.70	0.51
06 46 36 00-0621	LF	1-1/4" x 6-1/2" Custom Shaped White Pine.....	19.29	0.51
06 46 36 00-0622	LF	1-1/4" x 7-1/2" Custom Shaped White Pine.....	21.83	0.55
06 46 36 00-0623	LF	1-1/4" x 8-1/2" Custom Shaped White Pine.....	24.38	0.55
06 46 36 00-0624	LF	1-1/4" x 9-1/2" Custom Shaped White Pine.....	26.91	0.55
06 46 36 00-0625	LF	1-1/4" x 10-1/2" Custom Shaped White Pine.....	29.52	0.59
06 46 36 00-0626	LF	1-1/4" x 11-1/2" Custom Shaped White Pine.....	32.08	0.63
06 46 36 00-0627	LF	1-1/2" x 1-1/2" Custom Shaped White Pine.....	8.46	0.44
06 46 36 00-0628	LF	1-1/2" x 2-1/2" Custom Shaped White Pine.....	11.99	0.48
06 46 36 00-0629	LF	1-1/2" x 3-1/2" Custom Shaped White Pine.....	15.52	0.48
06 46 36 00-0630	LF	1-1/2" x 4-1/2" Custom Shaped White Pine.....	19.04	0.51
06 46 36 00-0631	LF	1-1/2" x 5-1/2" Custom Shaped White Pine.....	22.57	0.51
06 46 36 00-0632	LF	1-1/2" x 6-1/2" Custom Shaped White Pine.....	26.18	0.55
06 46 36 00-0633	LF	1-1/2" x 7-1/2" Custom Shaped White Pine.....	29.71	0.55
06 46 36 00-0634	LF	1-1/2" x 8-1/2" Custom Shaped White Pine.....	33.24	0.59



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0635	LF		1-1/2" x 9-1/2" Custom Shaped White Pine .....	37.46	0.59
06 46 36 00-0636	LF		1-1/2" x 10-1/2" Custom Shaped White Pine .....	40.33	0.63
06 46 36 00-0637	LF		1-1/2" x 11-1/2" Custom Shaped White Pine .....	43.87	0.63
06 46 36 00-0638	LF		2" x 1-1/2" Custom Shaped White Pine .....	13.86	0.48
06 46 36 00-0639	LF		2" x 2-1/2" Custom Shaped White Pine .....	20.07	0.48
06 46 36 00-0640	LF		2" x 3-1/2" Custom Shaped White Pine .....	26.27	0.48
06 46 36 00-0641	LF		2" x 4-1/2" Custom Shaped White Pine .....	32.52	0.51
06 46 36 00-0642	LF		2" x 5-1/2" Custom Shaped White Pine .....	38.73	0.51
06 46 36 00-0643	LF		2" x 6-1/2" Custom Shaped White Pine .....	45.00	0.55
06 46 36 00-0644	LF		2" x 7-1/2" Custom Shaped White Pine .....	51.21	0.55
06 46 36 00-0645	LF		2" x 8-1/2" Custom Shaped White Pine .....	57.45	0.59
06 46 36 00-0646	LF		2" x 9-1/2" Custom Shaped White Pine .....	63.66	0.59
06 46 36 00-0647	LF		2" x 10-1/2" Custom Shaped White Pine .....	69.88	0.63
06 46 36 00-0648	LF		2" x 11-1/2" Custom Shaped White Pine .....	76.15	0.67
06 46 36 00-0649	LF		2-1/2" x 1-1/2" Custom Shaped White Pine .....	16.80	0.48
06 46 36 00-0650	LF		2-1/2" x 2-1/2" Custom Shaped White Pine .....	24.46	0.48
06 46 36 00-0651	LF		2-1/2" x 3-1/2" Custom Shaped White Pine .....	32.12	0.51
06 46 36 00-0652	LF		2-1/2" x 4-1/2" Custom Shaped White Pine .....	39.80	0.51
06 46 36 00-0653	LF		2-1/2" x 5-1/2" Custom Shaped White Pine .....	47.47	0.51
06 46 36 00-0654	LF		2-1/2" x 6-1/2" Custom Shaped White Pine .....	55.20	0.55
06 46 36 00-0655	LF		2-1/2" x 7-1/2" Custom Shaped White Pine .....	62.85	0.59
06 46 36 00-0656	LF		2-1/2" x 8-1/2" Custom Shaped White Pine .....	70.56	0.59
06 46 36 00-0657	LF		2-1/2" x 9-1/2" Custom Shaped White Pine .....	78.21	0.63
06 46 36 00-0658	LF		2-1/2" x 10-1/2" Custom Shaped White Pine .....	85.86	0.63
06 46 36 00-0659	LF		2-1/2" x 11-1/2" Custom Shaped White Pine .....	93.60	0.67
06 46 36 00-0660	LF		3-1/2" x 3-1/2" Custom Shaped White Pine .....	45.21	0.51
06 46 36 00-0661	LF		3-1/2" x 4-1/2" Custom Shaped White Pine .....	56.17	0.51
06 46 36 00-0662	LF		3-1/2" x 5-1/2" Custom Shaped White Pine .....	67.09	0.55
06 46 36 00-0663	LF		3-1/2" x 6-1/2" Custom Shaped White Pine .....	78.09	0.59
06 46 36 00-0664	LF		3-1/2" x 7-1/2" Custom Shaped White Pine .....	89.01	0.59
06 46 36 00-0665	LF		3-1/2" x 8-1/2" Custom Shaped White Pine .....	99.97	0.63
06 46 36 00-0666	LF		3-1/2" x 9-1/2" Custom Shaped White Pine .....	110.89	0.63
06 46 36 00-0667	LF		3-1/2" x 10-1/2" Custom Shaped White Pine .....	121.81	0.63
06 46 36 00-0668	LF		3-1/2" x 11-1/2" Custom Shaped White Pine .....	132.81	0.67
<b>06 46 36 00-0669 Clear Yellow Pine (06 46 36)</b>					
06 46 36 00-0670	LF		3/4" x 1-1/2" Custom Shaped "C" Y Pine .....	2.83	0.44
06 46 36 00-0671	LF		3/4" x 2-1/2" Custom Shaped "C" Y Pine .....	3.61	0.44
06 46 36 00-0672	LF		3/4" x 3-1/2" Custom Shaped "C" Y Pine .....	4.37	0.44
06 46 36 00-0673	LF		3/4" x 4-1/2" Custom Shaped "C" Y Pine .....	5.15	0.48
06 46 36 00-0674	LF		3/4" x 5-1/2" Custom Shaped "C" Y Pine .....	5.95	0.48
06 46 36 00-0675	LF		3/4" x 6-1/2" Custom Shaped "C" Y Pine .....	6.77	0.51
06 46 36 00-0676	LF		3/4" x 7-1/2" Custom Shaped "C" Y Pine .....	7.53	0.51
06 46 36 00-0677	LF		3/4" x 8-1/2" Custom Shaped "C" Y Pine .....	8.31	0.51
06 46 36 00-0678	LF		1" x 1-1/2" Custom Shaped "C" Y Pine .....	3.41	0.44
06 46 36 00-0679	LF		1" x 2-1/2" Custom Shaped "C" Y Pine .....	4.48	0.44
06 46 36 00-0680	LF		1" x 3-1/2" Custom Shaped "C" Y Pine .....	5.50	0.48
06 46 36 00-0681	LF		1" x 4-1/2" Custom Shaped "C" Y Pine .....	6.56	0.48
06 46 36 00-0682	LF		1" x 5-1/2" Custom Shaped "C" Y Pine .....	7.62	0.51
06 46 36 00-0683	LF		1" x 6-1/2" Custom Shaped "C" Y Pine .....	8.73	0.51
06 46 36 00-0684	LF		1" x 7-1/2" Custom Shaped "C" Y Pine .....	10.11	0.51
06 46 36 00-0685	LF		1" x 8-1/2" Custom Shaped "C" Y Pine .....	11.21	0.55
06 46 36 00-0686	LF		1-1/2" x 1-1/2" Custom Shaped "C" Y Pine .....	4.11	0.44
06 46 36 00-0687	LF		1-1/2" x 2-1/2" Custom Shaped "C" Y Pine .....	5.46	0.48
06 46 36 00-0688	LF		1-1/2" x 3-1/2" Custom Shaped "C" Y Pine .....	6.81	0.48
06 46 36 00-0689	LF		1-1/2" x 4-1/2" Custom Shaped "C" Y Pine .....	8.16	0.51
06 46 36 00-0690	LF		1-1/2" x 5-1/2" Custom Shaped "C" Y Pine .....	9.51	0.51
06 46 36 00-0691	LF		1-1/2" x 6-1/2" Custom Shaped "C" Y Pine .....	10.95	0.55
06 46 36 00-0692	LF		1-1/2" x 7-1/2" Custom Shaped "C" Y Pine .....	12.30	0.55
06 46 36 00-0693	LF		1-1/2" x 8-1/2" Custom Shaped "C" Y Pine .....	13.65	0.59
06 46 36 00-0694	LF		1-1/2" x 9-1/2" Custom Shaped "C" Y Pine .....	16.07	0.59
06 46 36 00-0695	LF		1-1/2" x 10-1/2" Custom Shaped "C" Y Pine .....	16.54	0.63
<b>06 46 36 00-0696 Poplar (06 46 36)</b>					
06 46 36 00-0697	LF		3/4" x 1-1/2" Custom Shaped Poplar .....	3.05	0.44
06 46 36 00-0698	LF		3/4" x 2-1/2" Custom Shaped Poplar .....	3.93	0.44
06 46 36 00-0699	LF		3/4" x 3-1/2" Custom Shaped Poplar .....	4.81	0.44
06 46 36 00-0700	LF		3/4" x 4-1/2" Custom Shaped Poplar .....	5.69	0.48
06 46 36 00-0701	LF		3/4" x 5-1/2" Custom Shaped Poplar .....	6.61	0.48
06 46 36 00-0702	LF		3/4" x 6-1/2" Custom Shaped Poplar .....	7.53	0.51
06 46 36 00-0703	LF		3/4" x 7-1/2" Custom Shaped Poplar .....	8.40	0.51
06 46 36 00-0704	LF		3/4" x 8-1/2" Custom Shaped Poplar .....	9.29	0.51
06 46 36 00-0705	LF		3/4" x 9-1/2" Custom Shaped Poplar .....	10.14	0.55
06 46 36 00-0706	LF		3/4" x 10-1/2" Custom Shaped Poplar .....	11.08	0.59
06 46 36 00-0707	LF		3/4" x 11-1/2" Custom Shaped Poplar .....	12.04	0.59
06 46 36 00-0708	LF		1" x 1-1/2" Custom Shaped Poplar .....	3.70	0.44
06 46 36 00-0709	LF		1" x 2-1/2" Custom Shaped Poplar .....	4.88	0.44
06 46 36 00-0710	LF		1" x 3-1/2" Custom Shaped Poplar .....	6.04	0.48
06 46 36 00-0711	LF		1" x 4-1/2" Custom Shaped Poplar .....	7.21	0.48

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 46 Wood Trim**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

06 46 36 00-0712	LF	1" x 5-1/2" Custom Shaped Poplar .....	8.46	0.51
06 46 36 00-0713	LF	1" x 6-1/2" Custom Shaped Poplar .....	9.67	0.51
06 46 36 00-0714	LF	1" x 7-1/2" Custom Shaped Poplar .....	10.84	0.51
06 46 36 00-0715	LF	1" x 8-1/2" Custom Shaped Poplar .....	12.01	0.55
06 46 36 00-0716	LF	1" x 9-1/2" Custom Shaped Poplar .....	13.19	0.55
06 46 36 00-0717	LF	1" x 10-1/2" Custom Shaped Poplar .....	14.42	0.59
06 46 36 00-0718	LF	1" x 11-1/2" Custom Shaped Poplar .....	15.61	0.59
06 46 36 00-0719	LF	1-1/4" x 1-1/2" Custom Shaped Poplar .....	4.29	0.44
06 46 36 00-0720	LF	1-1/4" x 2-1/2" Custom Shaped Poplar .....	5.75	0.44
06 46 36 00-0721	LF	1-1/4" x 3-1/2" Custom Shaped Poplar .....	7.21	0.48
06 46 36 00-0722	LF	1-1/4" x 4-1/2" Custom Shaped Poplar .....	8.66	0.48
06 46 36 00-0723	LF	1-1/4" x 5-1/2" Custom Shaped Poplar .....	10.17	0.51
06 46 36 00-0724	LF	1-1/4" x 6-1/2" Custom Shaped Poplar .....	11.67	0.51
06 46 36 00-0725	LF	1-1/4" x 7-1/2" Custom Shaped Poplar .....	13.13	0.55
06 46 36 00-0726	LF	1-1/4" x 8-1/2" Custom Shaped Poplar .....	14.59	0.55
06 46 36 00-0727	LF	1-1/4" x 9-1/2" Custom Shaped Poplar .....	16.03	0.55
06 46 36 00-0728	LF	1-1/4" x 10-1/2" Custom Shaped Poplar .....	17.55	0.59
06 46 36 00-0729	LF	1-1/4" x 11-1/2" Custom Shaped Poplar .....	19.02	0.63
06 46 36 00-0730	LF	1-1/2" x 1-1/2" Custom Shaped Poplar .....	5.71	0.44
06 46 36 00-0731	LF	1-1/2" x 2-1/2" Custom Shaped Poplar .....	7.85	0.48
06 46 36 00-0732	LF	1-1/2" x 3-1/2" Custom Shaped Poplar .....	10.00	0.48
06 46 36 00-0733	LF	1-1/2" x 4-1/2" Custom Shaped Poplar .....	12.15	0.51
06 46 36 00-0734	LF	1-1/2" x 5-1/2" Custom Shaped Poplar .....	14.30	0.51
06 46 36 00-0735	LF	1-1/2" x 6-1/2" Custom Shaped Poplar .....	16.54	0.55
06 46 36 00-0736	LF	1-1/2" x 7-1/2" Custom Shaped Poplar .....	18.68	0.55
06 46 36 00-0737	LF	1-1/2" x 8-1/2" Custom Shaped Poplar .....	20.83	0.59
06 46 36 00-0738	LF	1-1/2" x 9-1/2" Custom Shaped Poplar .....	22.96	0.59
06 46 36 00-0739	LF	1-1/2" x 10-1/2" Custom Shaped Poplar .....	25.17	0.63
06 46 36 00-0740	LF	1-1/2" x 11-1/2" Custom Shaped Poplar .....	27.33	0.63
06 46 36 00-0741	LF	2" x 1-1/2" Custom Shaped Poplar .....	7.88	0.48
06 46 36 00-0742	LF	2" x 2-1/2" Custom Shaped Poplar .....	11.11	0.48
06 46 36 00-0743	LF	2" x 3-1/2" Custom Shaped Poplar .....	14.30	0.48
06 46 36 00-0744	LF	2" x 4-1/2" Custom Shaped Poplar .....	17.58	0.51
06 46 36 00-0745	LF	2" x 5-1/2" Custom Shaped Poplar .....	20.77	0.51
06 46 36 00-0746	LF	2" x 6-1/2" Custom Shaped Poplar .....	24.07	0.55
06 46 36 00-0747	LF	2" x 7-1/2" Custom Shaped Poplar .....	27.27	0.55
06 46 36 00-0748	LF	2" x 8-1/2" Custom Shaped Poplar .....	30.54	0.59
06 46 36 00-0749	LF	2" x 9-1/2" Custom Shaped Poplar .....	33.74	0.59
06 46 36 00-0750	LF	2" x 10-1/2" Custom Shaped Poplar .....	36.98	0.63
06 46 36 00-0751	LF	2" x 11-1/2" Custom Shaped Poplar .....	40.24	0.67
06 46 36 00-0752	LF	2-1/2" x 1-1/2" Custom Shaped Poplar .....	10.06	0.48
06 46 36 00-0753	LF	2-1/2" x 2-1/2" Custom Shaped Poplar .....	14.34	0.48
06 46 36 00-0754	LF	2-1/2" x 3-1/2" Custom Shaped Poplar .....	18.62	0.51
06 46 36 00-0755	LF	2-1/2" x 4-1/2" Custom Shaped Poplar .....	22.94	0.51
06 46 36 00-0756	LF	2-1/2" x 5-1/2" Custom Shaped Poplar .....	27.23	0.51
06 46 36 00-0757	LF	2-1/2" x 6-1/2" Custom Shaped Poplar .....	31.59	0.55
06 46 36 00-0758	LF	2-1/2" x 7-1/2" Custom Shaped Poplar .....	35.87	0.59
06 46 36 00-0759	LF	2-1/2" x 8-1/2" Custom Shaped Poplar .....	40.20	0.59
06 46 36 00-0760	LF	2-1/2" x 9-1/2" Custom Shaped Poplar .....	44.48	0.63
06 46 36 00-0761	LF	2-1/2" x 10-1/2" Custom Shaped Poplar .....	48.76	0.63
06 46 36 00-0762	LF	2-1/2" x 11-1/2" Custom Shaped Poplar .....	53.12	0.67
06 46 36 00-0763	LF	3-1/2" x 3-1/2" Custom Shaped Poplar .....	26.06	0.51
06 46 36 00-0764	LF	3-1/2" x 4-1/2" Custom Shaped Poplar .....	32.23	0.51
06 46 36 00-0765	LF	3-1/2" x 5-1/2" Custom Shaped Poplar .....	38.36	0.55
06 46 36 00-0766	LF	3-1/2" x 6-1/2" Custom Shaped Poplar .....	44.65	0.59
06 46 36 00-0767	LF	3-1/2" x 7-1/2" Custom Shaped Poplar .....	50.71	0.59
06 46 36 00-0768	LF	3-1/2" x 8-1/2" Custom Shaped Poplar .....	56.88	0.63
06 46 36 00-0769	LF	3-1/2" x 9-1/2" Custom Shaped Poplar .....	63.01	0.63
06 46 36 00-0770	LF	3-1/2" x 10-1/2" Custom Shaped Poplar .....	69.15	0.63
06 46 36 00-0771	LF	3-1/2" x 11-1/2" Custom Shaped Poplar .....	75.36	0.67

**06 46 36 00-0772 Clear Heart Redwood (06 46 36)**

06 46 36 00-0773	LF	3/4" x 1-1/2" Custom Shaped Clear Heart Redwood .....	4.06	0.44
06 46 36 00-0774	LF	3/4" x 2-1/2" Custom Shaped Clear Heart Redwood .....	5.46	0.44
06 46 36 00-0775	LF	3/4" x 3-1/2" Custom Shaped Clear Heart Redwood .....	6.84	0.44
06 46 36 00-0776	LF	3/4" x 4-1/2" Custom Shaped Clear Heart Redwood .....	8.23	0.48
06 46 36 00-0777	LF	3/4" x 5-1/2" Custom Shaped Clear Heart Redwood .....	9.65	0.48
06 46 36 00-0778	LF	3/4" x 6-1/2" Custom Shaped Clear Heart Redwood .....	11.08	0.51
06 46 36 00-0779	LF	3/4" x 7-1/2" Custom Shaped Clear Heart Redwood .....	13.92	0.51
06 46 36 00-0780	LF	3/4" x 8-1/2" Custom Shaped Clear Heart Redwood .....	15.49	0.51
06 46 36 00-0781	LF	3/4" x 9-1/2" Custom Shaped Clear Heart Redwood .....	15.55	0.55
06 46 36 00-0782	LF	3/4" x 10-1/2" Custom Shaped Clear Heart Redwood .....	16.66	0.59
06 46 36 00-0783	LF	1" x 1-1/2" Custom Shaped Clear Heart Redwood .....	5.16	0.44
06 46 36 00-0784	LF	1" x 2-1/2" Custom Shaped Clear Heart Redwood .....	7.06	0.44
06 46 36 00-0785	LF	1" x 3-1/2" Custom Shaped Clear Heart Redwood .....	8.95	0.48
06 46 36 00-0786	LF	1" x 4-1/2" Custom Shaped Clear Heart Redwood .....	10.84	0.48
06 46 36 00-0787	LF	1" x 5-1/2" Custom Shaped Clear Heart Redwood .....	12.81	0.51
06 46 36 00-0788	LF	1" x 6-1/2" Custom Shaped Clear Heart Redwood .....	14.75	0.51
06 46 36 00-0789	LF	1" x 7-1/2" Custom Shaped Clear Heart Redwood .....	19.18	0.51
06 46 36 00-0790	LF	1" x 8-1/2" Custom Shaped Clear Heart Redwood .....	21.41	0.55



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0791	LF		1" x 9-1/2" Custom Shaped Clear Heart Redwood .....	23.60	0.55
06 46 36 00-0792	LF		1" x 10-1/2" Custom Shaped Clear Heart Redwood .....	25.88	0.59
06 46 36 00-0793	LF		1-1/2" x 1-1/2" Custom Shaped Clear Heart Redwood .....	7.16	0.44
06 46 36 00-0794	LF		1-1/2" x 2-1/2" Custom Shaped Clear Heart Redwood .....	10.03	0.48
06 46 36 00-0795	LF		1-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood .....	12.91	0.48
06 46 36 00-0796	LF		1-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood .....	15.78	0.51
06 46 36 00-0797	LF		1-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood .....	18.65	0.51
06 46 36 00-0798	LF		1-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood .....	21.69	0.55
06 46 36 00-0799	LF		1-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood .....	29.71	0.55
06 46 36 00-0800	LF		1-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood .....	33.24	0.59
06 46 36 00-0801	LF		1-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood .....	39.64	0.59
06 46 36 00-0802	LF		1-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood .....	43.52	0.63
06 46 36 00-0803	LF		3-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood .....	42.31	0.51
06 46 36 00-0804	LF		3-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood .....	52.54	0.51
06 46 36 00-0805	LF		3-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood .....	62.73	0.55
06 46 36 00-0806	LF		3-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood .....	73.01	0.59
06 46 36 00-0807	LF		3-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood .....	83.21	0.59
06 46 36 00-0808	LF		3-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood .....	93.44	0.63
06 46 36 00-0809	LF		3-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood .....	103.64	0.63
06 46 36 00-0810	LF		3-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood .....	113.83	0.63
06 46 36 00-0811	LF		3-1/2" x 11-1/2" Custom Shaped Clear Heart Redwood .....	124.11	0.67
<b>06 46 36 00-0812 Teak (06 46 36)</b>					
06 46 36 00-0813	LF		3/4" x 1-1/2" Custom Shaped Teak .....	13.78	0.44
06 46 36 00-0814	LF		3/4" x 2-1/2" Custom Shaped Teak .....	20.04	0.44
06 46 36 00-0815	LF		3/4" x 3-1/2" Custom Shaped Teak .....	26.28	0.44
06 46 36 00-0816	LF		3/4" x 4-1/2" Custom Shaped Teak .....	32.53	0.48
06 46 36 00-0817	LF		3/4" x 5-1/2" Custom Shaped Teak .....	38.81	0.48
06 46 36 00-0818	LF		3/4" x 6-1/2" Custom Shaped Teak .....	45.11	0.51
06 46 36 00-0819	LF		3/4" x 7-1/2" Custom Shaped Teak .....	51.35	0.51
06 46 36 00-0820	LF		3/4" x 8-1/2" Custom Shaped Teak .....	57.60	0.51
06 46 36 00-0821	LF		3/4" x 9-1/2" Custom Shaped Teak .....	63.82	0.55
06 46 36 00-0822	LF		3/4" x 10-1/2" Custom Shaped Teak .....	70.12	0.59
06 46 36 00-0823	LF		3/4" x 11-1/2" Custom Shaped Teak .....	76.39	0.59
06 46 36 00-0824	LF		1-1/2" x 1-1/2" Custom Shaped Teak .....	33.56	0.44
06 46 36 00-0825	LF		1-1/2" x 2-1/2" Custom Shaped Teak .....	38.75	0.48
06 46 36 00-0826	LF		1-1/2" x 3-1/2" Custom Shaped Teak .....	51.21	0.48
06 46 36 00-0827	LF		1-1/2" x 4-1/2" Custom Shaped Teak .....	63.65	0.51
06 46 36 00-0828	LF		1-1/2" x 5-1/2" Custom Shaped Teak .....	76.11	0.51
06 46 36 00-0829	LF		1-1/2" x 6-1/2" Custom Shaped Teak .....	88.28	0.55
06 46 36 00-0830	LF		1-1/2" x 7-1/2" Custom Shaped Teak .....	101.09	0.55
06 46 36 00-0831	LF		1-1/2" x 8-1/2" Custom Shaped Teak .....	113.54	0.59
06 46 36 00-0832	LF		1-1/2" x 9-1/2" Custom Shaped Teak .....	125.96	0.59
06 46 36 00-0833	LF		1-1/2" x 10-1/2" Custom Shaped Teak .....	138.48	0.63
06 46 36 00-0834	LF		1-1/2" x 11-1/2" Custom Shaped Teak .....	150.94	0.63
<b>06 46 36 00-0835 Walnut (06 46 36)</b>					
06 46 36 00-0836	LF		3/4" x 1-1/2" Custom Shaped Walnut .....	6.89	0.44
06 46 36 00-0837	LF		3/4" x 2-1/2" Custom Shaped Walnut .....	9.70	0.44
06 46 36 00-0838	LF		3/4" x 3-1/2" Custom Shaped Walnut .....	12.50	0.44
06 46 36 00-0839	LF		3/4" x 4-1/2" Custom Shaped Walnut .....	15.30	0.48
06 46 36 00-0840	LF		3/4" x 5-1/2" Custom Shaped Walnut .....	18.14	0.48
06 46 36 00-0841	LF		3/4" x 6-1/2" Custom Shaped Walnut .....	20.99	0.51
06 46 36 00-0842	LF		3/4" x 7-1/2" Custom Shaped Walnut .....	23.78	0.51
06 46 36 00-0843	LF		3/4" x 8-1/2" Custom Shaped Walnut .....	26.59	0.51
06 46 36 00-0844	LF		3/4" x 9-1/2" Custom Shaped Walnut .....	29.37	0.55
06 46 36 00-0845	LF		3/4" x 10-1/2" Custom Shaped Walnut .....	32.22	0.59
06 46 36 00-0846	LF		3/4" x 11-1/2" Custom Shaped Walnut .....	35.04	0.59
06 46 36 00-0847	LF		1" x 1-1/2" Custom Shaped Walnut .....	8.49	0.44
06 46 36 00-0848	LF		1" x 2-1/2" Custom Shaped Walnut .....	12.10	0.44
06 46 36 00-0849	LF		1" x 3-1/2" Custom Shaped Walnut .....	15.66	0.48
06 46 36 00-0850	LF		1" x 4-1/2" Custom Shaped Walnut .....	19.25	0.48
06 46 36 00-0851	LF		1" x 5-1/2" Custom Shaped Walnut .....	22.86	0.51
06 46 36 00-0852	LF		1" x 6-1/2" Custom Shaped Walnut .....	26.50	0.51
06 46 36 00-0853	LF		1" x 7-1/2" Custom Shaped Walnut .....	30.06	0.51
06 46 36 00-0854	LF		1" x 8-1/2" Custom Shaped Walnut .....	33.67	0.55
06 46 36 00-0855	LF		1" x 9-1/2" Custom Shaped Walnut .....	37.20	0.55
06 46 36 00-0856	LF		1" x 10-1/2" Custom Shaped Walnut .....	40.86	0.59
06 46 36 00-0857	LF		1" x 11-1/2" Custom Shaped Walnut .....	44.45	0.59
06 46 36 00-0858	LF		1-1/4" x 1-1/2" Custom Shaped Walnut .....	10.71	0.44
06 46 36 00-0859	LF		1-1/4" x 2-1/2" Custom Shaped Walnut .....	15.40	0.44
06 46 36 00-0860	LF		1-1/4" x 3-1/2" Custom Shaped Walnut .....	20.05	0.48
06 46 36 00-0861	LF		1-1/4" x 4-1/2" Custom Shaped Walnut .....	24.73	0.48
06 46 36 00-0862	LF		1-1/4" x 5-1/2" Custom Shaped Walnut .....	29.43	0.51
06 46 36 00-0863	LF		1-1/4" x 6-1/2" Custom Shaped Walnut .....	34.16	0.51
06 46 36 00-0864	LF		1-1/4" x 7-1/2" Custom Shaped Walnut .....	38.81	0.55
06 46 36 00-0865	LF		1-1/4" x 8-1/2" Custom Shaped Walnut .....	43.50	0.55
06 46 36 00-0866	LF		1-1/4" x 9-1/2" Custom Shaped Walnut .....	48.12	0.55
06 46 36 00-0867	LF		1-1/4" x 10-1/2" Custom Shaped Walnut .....	52.88	0.59

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 46 Wood Trim**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

06 46 36 00-0868	LF	1-1/4" x 11-1/2" Custom Shaped Walnut .....	57.54	0.63
06 46 36 00-0869	LF	1-1/2" x 1-1/2" Custom Shaped Walnut .....	14.99	0.44
06 46 36 00-0870	LF	1-1/2" x 2-1/2" Custom Shaped Walnut .....	21.78	0.48
06 46 36 00-0871	LF	1-1/2" x 3-1/2" Custom Shaped Walnut .....	28.58	0.48
06 46 36 00-0872	LF	1-1/2" x 4-1/2" Custom Shaped Walnut .....	35.36	0.51
06 46 36 00-0873	LF	1-1/2" x 5-1/2" Custom Shaped Walnut .....	42.16	0.51
06 46 36 00-0874	LF	1-1/2" x 6-1/2" Custom Shaped Walnut .....	49.03	0.55
06 46 36 00-0875	LF	1-1/2" x 7-1/2" Custom Shaped Walnut .....	55.82	0.55
06 46 36 00-0876	LF	1-1/2" x 8-1/2" Custom Shaped Walnut .....	62.62	0.59
06 46 36 00-0877	LF	1-1/2" x 9-1/2" Custom Shaped Walnut .....	70.11	0.59
06 46 36 00-0878	LF	1-1/2" x 10-1/2" Custom Shaped Walnut .....	76.24	0.63
06 46 36 00-0879	LF	1-1/2" x 11-1/2" Custom Shaped Walnut .....	83.05	0.63
06 46 36 00-0880	LF	2" x 1-1/2" Custom Shaped Walnut.....	26.19	0.48
06 46 36 00-0881	LF	2" x 2-1/2" Custom Shaped Walnut.....	38.57	0.48
06 46 36 00-0882	LF	2" x 3-1/2" Custom Shaped Walnut.....	50.94	0.48
06 46 36 00-0883	LF	2" x 4-1/2" Custom Shaped Walnut.....	63.35	0.51
06 46 36 00-0884	LF	2" x 5-1/2" Custom Shaped Walnut.....	75.72	0.51
06 46 36 00-0885	LF	2" x 6-1/2" Custom Shaped Walnut.....	88.16	0.55
06 46 36 00-0886	LF	2" x 7-1/2" Custom Shaped Walnut.....	100.54	0.55
06 46 36 00-0887	LF	2" x 8-1/2" Custom Shaped Walnut.....	112.95	0.59
06 46 36 00-0888	LF	2" x 9-1/2" Custom Shaped Walnut.....	125.32	0.59
06 46 36 00-0889	LF	2" x 10-1/2" Custom Shaped Walnut.....	137.70	0.63
06 46 36 00-0890	LF	2" x 11-1/2" Custom Shaped Walnut.....	150.14	0.67
06 46 36 00-0891	LF	2-1/2" x 1-1/2" Custom Shaped Walnut .....	33.13	0.48
06 46 36 00-0892	LF	2-1/2" x 2-1/2" Custom Shaped Walnut .....	48.94	0.48
06 46 36 00-0893	LF	2-1/2" x 3-1/2" Custom Shaped Walnut .....	64.76	0.51
06 46 36 00-0894	LF	2-1/2" x 4-1/2" Custom Shaped Walnut .....	80.61	0.51
06 46 36 00-0895	LF	2-1/2" x 5-1/2" Custom Shaped Walnut .....	96.44	0.51
06 46 36 00-0896	LF	2-1/2" x 6-1/2" Custom Shaped Walnut .....	112.32	0.55
06 46 36 00-0897	LF	2-1/2" x 7-1/2" Custom Shaped Walnut .....	128.14	0.59
06 46 36 00-0898	LF	2-1/2" x 8-1/2" Custom Shaped Walnut .....	144.01	0.59
06 46 36 00-0899	LF	2-1/2" x 9-1/2" Custom Shaped Walnut .....	159.82	0.63
06 46 36 00-0900	LF	2-1/2" x 10-1/2" Custom Shaped Walnut .....	175.63	0.63
06 46 36 00-0901	LF	2-1/2" x 11-1/2" Custom Shaped Walnut .....	191.53	0.67

**06 48 Wood Frames** (06 40)

Note: All door frames include perimeter caulk, sealant (as required), anchors and silencers.

**06 48 13 Exterior Wood Door Frames** (06 48)**06 48 13 00-0001 Interior Door Frames** (06 48 13)

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made with threshold, includes all trim molding, up to 8" depth.

06 48 13 00-0002	EA	3' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim .....	180.49	22.47
		<i>For Birch, Add</i>	47.46	
		<i>For Mahogany, Add</i>	115.26	
06 48 13 00-0003	EA	3'-6" x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim .....	190.15	23.54
		<i>For Birch, Add</i>	50.14	
		<i>For Mahogany, Add</i>	121.78	
06 48 13 00-0004	EA	4' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim .....	199.81	24.46
		<i>For Birch, Add</i>	52.83	
		<i>For Mahogany, Add</i>	128.30	
06 48 13 00-0005	EA	5' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim .....	218.64	26.18
		<i>For Birch, Add</i>	58.19	
		<i>For Mahogany, Add</i>	141.31	
06 48 13 00-0006	EA	6' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim .....	237.71	28.05
		<i>For Birch, Add</i>	63.56	
		<i>For Mahogany, Add</i>	154.35	
06 48 13 00-0007	EA	3' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim .....	294.16	22.55
06 48 13 00-0008	EA	3'-6" x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim .....	298.22	23.54
06 48 13 00-0009	EA	4' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim .....	302.27	24.54
06 48 13 00-0010	EA	5' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim .....	309.60	26.14
06 48 13 00-0011	EA	6' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim .....	317.77	28.14
06 48 13 00-0012	EA	3' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim .....	219.56	22.55
06 48 13 00-0013	EA	3'-6" x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim .....	230.35	23.54
06 48 13 00-0014	EA	4' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim .....	241.18	24.54
06 48 13 00-0015	EA	5' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim .....	261.98	26.14
06 48 13 00-0016	EA	6' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim .....	283.58	28.14

**06 48 16 Interior Wood Door Frames** (06 48)**06 48 16 00-0001 Interior Door Frames** (06 48 16)

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made, includes all trim molding.

06 48 16 00-0002	EA	2'-0" Or 2'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim .....	91.55	10.70
		<i>For Oak Or Maple, Add</i>	21.76	
		<i>For Birch, Add</i>	24.56	
		<i>For Mahogany, Add</i>	59.65	
		<i>For Walnut Frame, Add</i>	31.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 48 16 00-0003 EA 2'-6" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim .....	92.25	10.74
For Oak Or Maple, Add	21.94	
For Birch, Add	24.77	
For Mahogany, Add	60.15	
For Walnut Frame, Add	31.85	
06 48 16 00-0004 EA 2'-8" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim .....	93.21	10.93
For Oak Or Maple, Add	22.11	
For Birch, Add	24.96	
For Mahogany, Add	60.61	
For Walnut Frame, Add	32.09	
06 48 16 00-0005 EA 3' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim .....	94.46	11.21
For Oak Or Maple, Add	22.32	
For Birch, Add	25.20	
For Mahogany, Add	61.21	
For Walnut Frame, Add	32.40	
06 48 16 00-0006 EA 3'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim .....	96.55	11.49
For Oak Or Maple, Add	22.79	
For Birch, Add	25.74	
For Mahogany, Add	62.50	
For Walnut Frame, Add	33.09	
06 48 16 00-0007 EA 4' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim .....	101.86	12.21
For Oak Or Maple, Add	24.00	
For Birch, Add	27.10	
For Mahogany, Add	65.81	
For Walnut Frame, Add	34.84	
06 48 16 00-0008 EA 5' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim .....	107.77	13.21
For Oak Or Maple, Add	25.21	
For Birch, Add	28.47	
For Mahogany, Add	69.13	
For Walnut Frame, Add	36.60	
06 48 16 00-0009 EA 6' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim .....	113.26	14.05
For Oak Or Maple, Add	26.42	
For Birch, Add	29.82	
For Mahogany, Add	72.43	
For Walnut Frame, Add	38.34	
06 48 16 00-0010 LF 4-9/16", Pine Interior Door Frame .....	3.21	0.96
For Oak Or Maple, Add	0.40	
For Birch, Add	0.45	
For Mahogany, Add	1.10	
For Walnut Frame, Add	0.58	

**06 49 Wood Screens and Exterior Wood Shutters** (06 40)

**06 49 19 Exterior Wood Shutters** (06 49)  
See CSI section 10 71 13 13-0000 for exterior shutters.

**06 50 Structural Plastics** (06)

**06 51 Structural Plastic Shapes And Plates** (06 50)

**06 51 13 Plastic Lumber** (06 51)

**06 51 13 00-0001 Beams And Girders, Recycled Plastic Lumber** (06 51 13)

06 51 13 00-0002 LF 2" x 6", Beam Or Girder, Recycled Plastic Lumber .....	7.54	0.64
For Reinforced Structural Plastic Lumber, Add	2.45	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.60	
For White Color, Add	2.81	
For All Other Colors (Except Black, Brown Or White), Add	2.38	
06 51 13 00-0003 LF 2" x 8", Beam Or Girder, Recycled Plastic Lumber .....	9.80	0.70
For Reinforced Structural Plastic Lumber, Add	3.26	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.79	
For White Color, Add	3.74	
For All Other Colors (Except Black, Brown Or White), Add	3.17	
06 51 13 00-0004 LF 2" x 10", Beam Or Girder, Recycled Plastic Lumber .....	11.84	0.75
For Reinforced Structural Plastic Lumber, Add	3.98	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.97	
For White Color, Add	4.58	
For All Other Colors (Except Black, Brown Or White), Add	3.88	
06 51 13 00-0005 LF 3" x 10", Beam Or Girder, Recycled Plastic Lumber .....	17.61	0.90
For Reinforced Structural Plastic Lumber, Add	6.04	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.47	
For White Color, Add	6.94	
For All Other Colors (Except Black, Brown Or White), Add	5.88	
06 51 13 00-0006 LF 3" x 12", Beam Or Girder, Recycled Plastic Lumber .....	21.18	1.01
For Reinforced Structural Plastic Lumber, Add	7.30	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.78	
For White Color, Add	8.39	
For All Other Colors (Except Black, Brown Or White), Add	7.11	



**06 Wood, Plastics, and Composites****06 50 Structural Plastics****06 51 Structural Plastic Shapes And Plates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0007	LF		4" x 4", Beam Or Girder, Recycled Plastic Lumber .....	10.96	0.87
			<i>For Reinforced Structural Plastic Lumber, Add</i>	3.60	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.87	
			<i>For White Color, Add</i>	4.13	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.50	
06 51 13 00-0008	LF		4" x 6", Beam Or Girder, Recycled Plastic Lumber .....	15.12	0.92
			<i>For Reinforced Structural Plastic Lumber, Add</i>	5.11	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.24	
			<i>For White Color, Add</i>	5.87	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.97	
06 51 13 00-0009	LF		5" x 5", Beam Or Girder, Recycled Plastic Lumber .....	15.75	0.95
			<i>For Reinforced Structural Plastic Lumber, Add</i>	5.32	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.30	
			<i>For White Color, Add</i>	6.12	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	5.18	
06 51 13 00-0010	LF		6" x 6", Beam Or Girder, Recycled Plastic Lumber .....	22.13	1.03
			<i>For Reinforced Structural Plastic Lumber, Add</i>	7.64	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.86	
			<i>For White Color, Add</i>	8.78	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	7.44	
06 51 13 00-0011	LF		6" x 8", Beam Or Girder, Recycled Plastic Lumber .....	30.66	1.09
			<i>For Reinforced Structural Plastic Lumber, Add</i>	10.77	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	2.62	
			<i>For White Color, Add</i>	12.37	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	10.48	
<b>06 51 13 00-0012</b>			<b>Joists, Recycled Plastic Lumber</b> <small>(06 51 13)</small>		
06 51 13 00-0013	LF		2" x 4", Joist, Recycled Plastic Lumber .....	4.98	0.36
			<i>For Reinforced Structural Plastic Lumber, Add</i>	1.65	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.40	
			<i>For White Color, Add</i>	1.90	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	1.61	
06 51 13 00-0014	LF		2" x 6", Joist, Recycled Plastic Lumber .....	7.14	0.38
			<i>For Reinforced Structural Plastic Lumber, Add</i>	2.45	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.60	
			<i>For White Color, Add</i>	2.81	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	2.38	
06 51 13 00-0015	LF		2" x 8", Joist, Recycled Plastic Lumber .....	9.40	0.42
			<i>For Reinforced Structural Plastic Lumber, Add</i>	3.26	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.79	
			<i>For White Color, Add</i>	3.74	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.17	
06 51 13 00-0016	LF		2" x 10", Joist, Recycled Plastic Lumber .....	11.49	0.50
			<i>For Reinforced Structural Plastic Lumber, Add</i>	3.98	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.97	
			<i>For White Color, Add</i>	4.58	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.88	
06 51 13 00-0017	LF		3" x 10", Joist, Recycled Plastic Lumber .....	17.16	0.59
			<i>For Reinforced Structural Plastic Lumber, Add</i>	6.04	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.47	
			<i>For White Color, Add</i>	6.94	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	5.88	
06 51 13 00-0018	LF		3" x 12", Joist, Recycled Plastic Lumber .....	20.82	0.75
			<i>For Reinforced Structural Plastic Lumber, Add</i>	7.30	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.78	
			<i>For White Color, Add</i>	8.39	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	7.11	
06 51 13 00-0019	LF		4" x 4", Joist, Recycled Plastic Lumber .....	10.48	0.54
			<i>For Reinforced Structural Plastic Lumber, Add</i>	3.60	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.87	
			<i>For White Color, Add</i>	4.13	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.50	
06 51 13 00-0020	LF		4" x 6", Joist, Recycled Plastic Lumber .....	14.59	0.56
			<i>For Reinforced Structural Plastic Lumber, Add</i>	5.11	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.24	
			<i>For White Color, Add</i>	5.87	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0021 LF 5" x 5", Joist, Recycled Plastic Lumber.....	15.27	0.62
For Reinforced Structural Plastic Lumber, Add	5.32	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.30	
For White Color, Add	6.12	
For All Other Colors (Except Black, Brown Or White), Add	5.18	
06 51 13 00-0022 LF 6" x 6", Joist, Recycled Plastic Lumber.....	21.66	0.70
For Reinforced Structural Plastic Lumber, Add	7.64	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.86	
For White Color, Add	8.78	
For All Other Colors (Except Black, Brown Or White), Add	7.44	
06 51 13 00-0023 LF 6" x 8", Joist, Recycled Plastic Lumber.....	30.18	0.75
For Reinforced Structural Plastic Lumber, Add	10.77	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.62	
For White Color, Add	12.37	
For All Other Colors (Except Black, Brown Or White), Add	10.48	
<b>06 51 13 00-0024 Columns, Recycled Plastic Lumber</b> (06 51 13)		
06 51 13 00-0025 LF 4" x 4", Column, Recycled Plastic Lumber.....	11.36	1.14
For Reinforced Structural Plastic Lumber, Add	3.60	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.87	
For White Color, Add	4.13	
For All Other Colors (Except Black, Brown Or White), Add	3.50	
06 51 13 00-0026 LF 4" x 6", Column, Recycled Plastic Lumber.....	16.12	1.62
For Reinforced Structural Plastic Lumber, Add	5.11	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.24	
For White Color, Add	5.87	
For All Other Colors (Except Black, Brown Or White), Add	4.97	
06 51 13 00-0027 LF 5" x 5", Column, Recycled Plastic Lumber.....	16.99	1.81
For Reinforced Structural Plastic Lumber, Add	5.32	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.30	
For White Color, Add	6.12	
For All Other Colors (Except Black, Brown Or White), Add	5.18	
06 51 13 00-0028 LF 6" x 6", Column, Recycled Plastic Lumber.....	23.61	2.07
For Reinforced Structural Plastic Lumber, Add	7.64	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.86	
For White Color, Add	8.78	
For All Other Colors (Except Black, Brown Or White), Add	7.44	
06 51 13 00-0029 LF 6" x 8", Column, Recycled Plastic Lumber.....	32.73	2.55
For Reinforced Structural Plastic Lumber, Add	10.77	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.62	
For White Color, Add	12.37	
For All Other Colors (Except Black, Brown Or White), Add	10.48	
<b>06 51 13 00-0030 Walls, Recycled Plastic Lumber</b> (06 51 13)		
06 51 13 00-0031 LF 2" x 3", Walls, Recycled Plastic Lumber.....	4.42	0.36
For Reinforced Structural Plastic Lumber, Add	1.44	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.35	
For White Color, Add	1.66	
For All Other Colors (Except Black, Brown Or White), Add	1.40	
06 51 13 00-0032 LF 2" x 4", Walls, Recycled Plastic Lumber.....	5.06	0.42
For Reinforced Structural Plastic Lumber, Add	1.65	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.40	
For White Color, Add	1.90	
For All Other Colors (Except Black, Brown Or White), Add	1.61	
06 51 13 00-0033 LF 2" x 6", Walls, Recycled Plastic Lumber.....	7.26	0.44
For Reinforced Structural Plastic Lumber, Add	2.45	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.60	
For White Color, Add	2.81	
For All Other Colors (Except Black, Brown Or White), Add	2.38	
06 51 13 00-0034 LF 2" x 8", Walls, Recycled Plastic Lumber.....	9.48	0.47
For Reinforced Structural Plastic Lumber, Add	3.26	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.79	
For White Color, Add	3.74	
For All Other Colors (Except Black, Brown Or White), Add	3.17	
<b>06 51 13 00-0035 Other Shapes, Recycled Plastic Lumber</b> (06 51 13)		

**06 Wood, Plastics, and Composites****06 50 Structural Plastics****06 51 Structural Plastic Shapes And Plates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51	13 00-0036	LF	5/4" x 4", Other Shapes, Recycled Plastic Lumber .....	4.32	0.32
			<i>For Reinforced Structural Plastic Lumber, Add</i>	1.42	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.35	
			<i>For White Color, Add</i>	1.63	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	1.38	
06 51	13 00-0037	LF	5/4" x 6", Other Shapes, Recycled Plastic Lumber .....	5.62	0.36
			<i>For Reinforced Structural Plastic Lumber, Add</i>	1.89	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.46	
			<i>For White Color, Add</i>	2.17	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	1.84	
06 51	13 00-0038	LF	5/4" x 8", Other Shapes, Recycled Plastic Lumber .....	7.52	0.36
			<i>For Reinforced Structural Plastic Lumber, Add</i>	2.59	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.63	
			<i>For White Color, Add</i>	2.98	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	2.52	
06 51	13 00-0039	LF	1" x 4", Other Shapes, Recycled Plastic Lumber .....	4.35	0.32
			<i>For Reinforced Structural Plastic Lumber, Add</i>	1.43	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.35	
			<i>For White Color, Add</i>	1.64	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	1.39	
06 51	13 00-0040	LF	1" x 6", Other Shapes, Recycled Plastic Lumber .....	4.84	0.36
			<i>For Reinforced Structural Plastic Lumber, Add</i>	1.60	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.39	
			<i>For White Color, Add</i>	1.84	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	1.56	
06 51	13 00-0041	LF	1" x 6", Tongue And Grooved, Other Shapes, Recycled Plastic Lumber .....	4.94	0.36
			<i>For Reinforced Structural Plastic Lumber, Add</i>	1.64	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.40	
			<i>For White Color, Add</i>	1.88	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	1.59	
06 51	13 00-0042	LF	2" x 2", Other Shapes, Recycled Plastic Lumber .....	2.90	0.31
			<i>For Reinforced Structural Plastic Lumber, Add</i>	0.91	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.22	
			<i>For White Color, Add</i>	1.05	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	0.89	
06 51	13 00-0043	LF	2" x 3", Other Shapes, Recycled Plastic Lumber .....	4.42	0.36
			<i>For Reinforced Structural Plastic Lumber, Add</i>	1.44	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.35	
			<i>For White Color, Add</i>	1.66	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	1.40	
06 51	13 00-0044	LF	2" x 4", Other Shapes, Recycled Plastic Lumber .....	5.06	0.42
			<i>For Reinforced Structural Plastic Lumber, Add</i>	1.65	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.40	
			<i>For White Color, Add</i>	1.90	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	1.61	
06 51	13 00-0045	LF	2" x 6", Other Shapes, Recycled Plastic Lumber .....	7.26	0.44
			<i>For Reinforced Structural Plastic Lumber, Add</i>	2.45	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.60	
			<i>For White Color, Add</i>	2.81	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	2.38	
06 51	13 00-0046	LF	2" x 8", Other Shapes, Recycled Plastic Lumber .....	9.48	0.47
			<i>For Reinforced Structural Plastic Lumber, Add</i>	3.26	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.79	
			<i>For White Color, Add</i>	3.74	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.17	
06 51	13 00-0047	LF	2" x 10", Other Shapes, Recycled Plastic Lumber .....	11.49	0.50
			<i>For Reinforced Structural Plastic Lumber, Add</i>	3.98	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.97	
			<i>For White Color, Add</i>	4.58	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.88	
06 51	13 00-0048	LF	2" x 12", Other Shapes, Recycled Plastic Lumber .....	14.00	0.54
			<i>For Reinforced Structural Plastic Lumber, Add</i>	4.90	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	1.19	
			<i>For White Color, Add</i>	5.63	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.77	
06 51	13 00-0049	LF	3" x 4", Other Shapes, Recycled Plastic Lumber .....	7.42	0.48
			<i>For Reinforced Structural Plastic Lumber, Add</i>	2.49	
			<i>Note: High density polyethylene combined with fiberglass.</i>		
			<i>For Brown Color, Add</i>	0.60	
			<i>For White Color, Add</i>	2.86	
			<i>For All Other Colors (Except Black, Brown Or White), Add</i>	2.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0050 LF 3" x 6", Other Shapes, Recycled Plastic Lumber .....	11.16	0.53
For Reinforced Structural Plastic Lumber, Add	3.86	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.94	
For White Color, Add	4.43	
For All Other Colors (Except Black, Brown Or White), Add	3.75	
06 51 13 00-0051 LF 3" x 8", Other Shapes, Recycled Plastic Lumber .....	14.73	0.56
For Reinforced Structural Plastic Lumber, Add	5.16	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.25	
For White Color, Add	5.92	
For All Other Colors (Except Black, Brown Or White), Add	5.02	
06 51 13 00-0052 LF 3" x 10", Other Shapes, Recycled Plastic Lumber .....	17.16	0.59
For Reinforced Structural Plastic Lumber, Add	6.04	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.47	
For White Color, Add	6.94	
For All Other Colors (Except Black, Brown Or White), Add	5.88	
06 51 13 00-0053 LF 3" x 12", Other Shapes, Recycled Plastic Lumber .....	20.82	0.75
For Reinforced Structural Plastic Lumber, Add	7.30	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.78	
For White Color, Add	8.39	
For All Other Colors (Except Black, Brown Or White), Add	7.11	
06 51 13 00-0054 LF 4" x 4", Other Shapes, Recycled Plastic Lumber .....	10.48	0.54
For Reinforced Structural Plastic Lumber, Add	3.60	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.87	
For White Color, Add	4.13	
For All Other Colors (Except Black, Brown Or White), Add	3.50	
06 51 13 00-0055 LF 4" x 6", Other Shapes, Recycled Plastic Lumber .....	14.59	0.56
For Reinforced Structural Plastic Lumber, Add	5.11	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.24	
For White Color, Add	5.87	
For All Other Colors (Except Black, Brown Or White), Add	4.97	
06 51 13 00-0056 LF 4" x 8", Other Shapes, Recycled Plastic Lumber .....	19.85	0.61
For Reinforced Structural Plastic Lumber, Add	7.02	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.71	
For White Color, Add	8.07	
For All Other Colors (Except Black, Brown Or White), Add	6.83	
06 51 13 00-0057 LF 5" x 5", Other Shapes, Recycled Plastic Lumber .....	15.27	0.62
For Reinforced Structural Plastic Lumber, Add	5.32	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.30	
For White Color, Add	6.12	
For All Other Colors (Except Black, Brown Or White), Add	5.18	
06 51 13 00-0058 LF 6" x 6", Other Shapes, Recycled Plastic Lumber .....	21.66	0.70
For Reinforced Structural Plastic Lumber, Add	7.64	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.86	
For White Color, Add	8.78	
For All Other Colors (Except Black, Brown Or White), Add	7.44	
06 51 13 00-0059 LF 6" x 8", Other Shapes, Recycled Plastic Lumber .....	30.18	0.75
For Reinforced Structural Plastic Lumber, Add	10.77	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.62	
For White Color, Add	12.37	
For All Other Colors (Except Black, Brown Or White), Add	10.48	
06 51 13 00-0060 LF 6" x 12", Other Shapes, Recycled Plastic Lumber .....	42.96	0.83
For Reinforced Structural Plastic Lumber, Add	15.45	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	3.76	
For White Color, Add	17.75	
For All Other Colors (Except Black, Brown Or White), Add	15.03	
06 51 13 00-0061 LF 8" x 8", Other Shapes, Recycled Plastic Lumber .....	38.11	0.80
For Reinforced Structural Plastic Lumber, Add	13.68	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	3.33	
For White Color, Add	15.71	
For All Other Colors (Except Black, Brown Or White), Add	13.31	
06 51 13 00-0062 LF 8" x 10", Other Shapes, Recycled Plastic Lumber .....	65.91	0.83
For Reinforced Structural Plastic Lumber, Add	23.94	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	5.82	
For White Color, Add	27.50	
For All Other Colors (Except Black, Brown Or White), Add	23.30	
06 51 13 00-0063 LF 10" x 10", Other Shapes, Recycled Plastic Lumber .....	91.87	0.88
For Reinforced Structural Plastic Lumber, Add	33.53	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	8.16	
For White Color, Add	38.51	
For All Other Colors (Except Black, Brown Or White), Add	32.62	

**06 Wood, Plastics, and Composites****06 50 Structural Plastics****06 51 Structural Plastic Shapes And Plates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0064 LF 2" Diameter, Other Shapes, Recycled Plastic Lumber.....	3.19	0.28
For Reinforced Structural Plastic Lumber, Add	1.03	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.25	
For White Color, Add	1.19	
For All Other Colors (Except Black, Brown Or White), Add	1.00	
06 51 13 00-0065 LF 3-1/2" Diameter, Other Shapes, Recycled Plastic Lumber.....	9.81	0.36
For Reinforced Structural Plastic Lumber, Add	3.44	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.84	
For White Color, Add	3.95	
For All Other Colors (Except Black, Brown Or White), Add	3.34	
06 51 13 00-0066 LF 4" Diameter, Other Shapes, Recycled Plastic Lumber.....	10.79	0.42
For Reinforced Structural Plastic Lumber, Add	3.77	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	0.92	
For White Color, Add	4.33	
For All Other Colors (Except Black, Brown Or White), Add	3.67	
06 51 13 00-0067 LF 5" Diameter, Other Shapes, Recycled Plastic Lumber.....	13.39	0.50
For Reinforced Structural Plastic Lumber, Add	4.69	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	1.14	
For White Color, Add	5.38	
For All Other Colors (Except Black, Brown Or White), Add	4.56	
06 51 13 00-0068 LF 6" Diameter, Other Shapes, Recycled Plastic Lumber.....	30.40	0.59
For Reinforced Structural Plastic Lumber, Add	10.94	
Note: High density polyethylene combined with fiberglass.		
For Brown Color, Add	2.66	
For White Color, Add	12.57	
For All Other Colors (Except Black, Brown Or White), Add	10.65	
06 51 13 00-0069 SF 1/8" Thick, Other Shapes, Recycled Plastic Sheeting.....	2.45	0.31
06 51 13 00-0070 SF 1/4" Thick, Other Shapes, Recycled Plastic Sheeting.....	3.79	0.32
06 51 13 00-0071 SF 3/8" Thick, Other Shapes, Recycled Plastic Sheeting.....	5.65	0.34
06 51 13 00-0072 SF 1/2" Thick, Other Shapes, Recycled Plastic Sheeting.....	7.32	0.35

**06 51 23 Plastic Channel And Shapes (06 51)**

06 51 23 00-0001 Channel (06 51 23)		
06 51 23 00-0002 LF 1-5/8" x 1-5/8" Plastic Polyester Channel (B-Line BFP22).....	7.17	0.98
06 51 23 00-0003 LF 1-5/8" x 1-5/8" Plastic Polyester Channel (B-Line BFP22H1-7/8).....	12.93	0.98
06 51 23 00-0004 LF 1-5/8" x 1-5/8" Plastic Polyester Channel (B-Line BFP22SH).....	12.93	0.98
06 51 23 00-0005 LF 1-5/8" x 1-5/8" Plastic Polyester Channel (B-Line BFP22A).....	16.78	0.98
06 51 23 00-0006 LF 1-5/8" x 1-5/8" Vinyl Ester Resin Channel (B-Line BFV22).....	8.86	0.98
06 51 23 00-0007 LF 1-5/8" x 1-5/8" Vinyl Ester Resin Channel (B-Line BFV22H1-7/8).....	14.70	0.98
06 51 23 00-0008 LF 1-5/8" x 1-5/8" Vinyl Ester Resin Channel (B-Line BFV22SH).....	14.70	0.98
06 51 23 00-0009 LF 1-5/8" x 1-5/8" Vinyl Ester Resin Channel (B-Line BFV22A).....	18.39	0.98
06 51 23 00-0010 LF 1-5/8" x 1" Plastic Polyester Channel (B-Line BFP42).....	7.25	0.98
06 51 23 00-0011 LF 1-5/8" x 1" Plastic Polyester Channel (B-Line BFP42H1-7/8).....	11.32	0.98
06 51 23 00-0012 LF 1-5/8" x 1" Plastic Polyester Channel (B-Line BFP42SH).....	11.32	0.98
06 51 23 00-0013 LF 1-5/8" x 1" Plastic Polyester Channel (B-Line BFP42A).....	15.16	0.98
06 51 23 00-0014 LF 1-5/8" x 1" Vinyl Ester Resin Channel (B-Line BFV42).....	8.71	0.98
06 51 23 00-0015 LF 1-5/8" x 1" Vinyl Ester Resin Channel (B-Line BFV42H1-7/8).....	12.93	0.98
06 51 23 00-0016 LF 1-5/8" x 1" Vinyl Ester Resin Channel (B-Line BFV42SH).....	12.93	0.98
06 51 23 00-0017 LF 1-5/8" x 1" Vinyl Ester Resin Channel (B-Line BFV42A).....	15.85	0.98

**06 52 Plastic Structural Assemblies (06 50)****06 52 13 Plastic Columns (06 52)**

06 52 13 00-0001 Round Fiberglass Columns (06 52 13)		
06 52 13 00-0002 LF 6" Diameter, Round Fiberglass Column.....	15.22	4.15
06 52 13 00-0003 LF 8" Diameter, Round Fiberglass Column.....	21.23	6.03
06 52 13 00-0004 LF 10" Diameter, Round Fiberglass Column.....	25.12	6.78
06 52 13 00-0005 LF 12" Diameter, Round Fiberglass Column.....	33.53	7.10
06 52 13 00-0006 LF 15" Diameter, Round Fiberglass Column.....	41.70	8.19
06 52 13 00-0007 EA 6" Diameter, Base And Cap For Round Fiberglass Columns.....	29.70	7.85
06 52 13 00-0008 EA 8" Diameter, Base And Cap For Round Fiberglass Columns.....	33.32	8.48
06 52 13 00-0009 EA 10" Diameter, Base And Cap For Round Fiberglass Columns.....	40.34	9.41
06 52 13 00-0010 EA 12" Diameter, Base And Cap For Round Fiberglass Columns.....	61.42	10.04
06 52 13 00-0011 EA 15" Diameter, Base And Cap For Round Fiberglass Columns.....	88.19	10.99

**06 52 13 00-0012 Fluted Fiberglass Columns (06 52 13)**

06 52 13 00-0013 LF 6" Diameter, Fluted Fiberglass Column.....	16.59	4.15
06 52 13 00-0014 LF 8" Diameter, Fluted Fiberglass Column.....	23.06	6.03
06 52 13 00-0015 LF 10" Diameter, Fluted Fiberglass Column.....	27.43	6.78
06 52 13 00-0016 LF 12" Diameter, Fluted Fiberglass Column.....	37.41	7.10
06 52 13 00-0017 LF 15" Diameter, Fluted Fiberglass Column.....	46.76	8.22
06 52 13 00-0018 EA 6" Diameter, Base And Cap For Fluted Fiberglass Columns.....	32.50	7.85
06 52 13 00-0019 EA 8" Diameter, Base And Cap For Fluted Fiberglass Columns.....	36.59	8.48
06 52 13 00-0020 EA 10" Diameter, Base And Cap For Fluted Fiberglass Columns.....	44.64	9.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 52 13 00-0021 EA 12" Diameter, Base And Cap For Fluted Fiberglass Columns .....	69.69	10.04
06 52 13 00-0022 EA 15" Diameter, Base And Cap For Fluted Fiberglass Columns .....	101.43	10.99
<b>06 52 13 00-0023 Ornamental Or Decorative Cap And Base For Fiberglass Columns (06 52 13)</b>		
06 52 13 00-0024 EA 8" Roman Ionic Cap And Base For Fiberglass Columns .....	166.92	9.41
06 52 13 00-0025 EA 10" Roman Ionic Cap And Base For Fiberglass Columns .....	225.36	10.99
06 52 13 00-0026 EA 12" Roman Ionic Cap And Base For Fiberglass Columns .....	291.30	12.55
06 52 13 00-0027 EA 8" Scamozzi Cap And Base For Fiberglass Columns .....	201.60	9.41
06 52 13 00-0028 EA 10" Scamozzi Cap And Base For Fiberglass Columns .....	243.17	10.99
06 52 13 00-0029 EA 12" Scamozzi Cap And Base For Fiberglass Columns .....	360.66	12.55
06 52 13 00-0030 EA 8" Corinthian Cap And Base For Fiberglass Columns .....	257.84	9.41
06 52 13 00-0031 EA 10" Corinthian Cap And Base For Fiberglass Columns .....	313.47	10.99
06 52 13 00-0032 EA 12" Corinthian Cap And Base For Fiberglass Columns .....	418.78	12.55
06 52 13 00-0033 EA 8" Temple Of Winds Cap And Base For Fiberglass Columns .....	169.74	9.41
06 52 13 00-0034 EA 10" Temple Of Winds Cap And Base For Fiberglass Columns .....	230.99	10.99
06 52 13 00-0035 EA 12" Temple Of Winds Cap And Base For Fiberglass Columns .....	296.93	12.55
06 52 13 00-0036 EA 8" Greek Erectheum Cap And Base For Fiberglass Columns .....	169.74	9.41
06 52 13 00-0037 EA 10" Greek Erectheum Cap And Base For Fiberglass Columns .....	204.74	10.99
06 52 13 00-0038 EA 12" Greek Erectheum Cap And Base For Fiberglass Columns .....	273.49	12.55
<b>06 53 Plastic Decking (06 50)</b>		
<b>06 53 16 Plastic Stair Treads (06 53)</b>		
06 53 16 00-0001 Fiberglass Reinforced Plastic Stair Treads (06 53 16) Note: Includes standard colors and anchors. Excludes stringers.		
06 53 16 00-0002 SF 12" Depth, 1/2" Thick, 1-1/2" Lip, Fiberglass Reinforced Plastic Stair Tread .....	42.02	2.16
<b>06 60 Plastic Fabrications (06)</b>		
<b>06 65 Plastic Trim (06 60)</b>		
06 65 00 00-0001 Plastic Moldings (06 65) Note: All dimensions are nominal.		
06 65 00 00-0002 Base, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0003 LF 3-1/2" High, Base, Plastic Molding .....	3.12	0.79
06 65 00 00-0004 LF 4-1/2" High, Base, Plastic Molding .....	3.74	0.98
06 65 00 00-0005 LF 3/4" x 1", Base Shoe, Plastic Molding .....	2.70	0.82
06 65 00 00-0006 Cornice, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0007 LF 1" x 2" Cornice, Plastic Molding .....	2.73	0.79
06 65 00 00-0008 LF 1" x 4" Cornice, Plastic Molding .....	3.73	0.82
06 65 00 00-0009 LF 1" x 6" Cornice, Plastic Molding .....	5.69	0.86
06 65 00 00-0010 LF 1" x 8" Cornice, Plastic Molding .....	6.72	0.90
06 65 00 00-0011 LF 1" x 10" Cornice, Plastic Molding .....	7.94	0.94
06 65 00 00-0012 LF 1" x 12" Cornice, Plastic Molding .....	10.60	0.98
06 65 00 00-0013 Crown Or Bed, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0014 LF 9/16" x 1-5/8" Crown Or Bed, Plastic Molding .....	6.21	0.79
06 65 00 00-0015 LF 9/16" x 2-1/4" Crown Or Bed, Plastic Molding .....	8.46	0.98
06 65 00 00-0016 LF 9/16" x 3-1/2" Crown Or Bed, Plastic Molding .....	8.90	0.98
06 65 00 00-0017 LF 9/16" x 3-5/8" Crown Or Bed, Plastic Molding .....	9.35	0.98
06 65 00 00-0018 LF 5/8" x 4-1/4" Crown Or Bed, Plastic Molding .....	12.42	1.18
06 65 00 00-0019 LF 11/16" x 4-5/8" Crown Or Bed, Plastic Molding .....	15.19	1.18
06 65 00 00-0020 Dentil, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0021 LF 11/16" x 1-3/8" Dentil, Plastic Molding .....	5.03	0.79
06 65 00 00-0022 LF 5/8" x 2-1/2" Dentil, Plastic Molding .....	5.87	0.79
06 65 00 00-0023 LF 1-3/8" x 3-3/8" Dentil, Plastic Molding .....	7.78	0.79
06 65 00 00-0024 LF 1-1/2" x 4-1/2" Dentil, Plastic Molding .....	11.06	0.79
06 65 00 00-0025 Cove, Plastic Moldings (06 65 00 00-0001)		
06 65 00 00-0026 LF 3/8" x 3/8" Cove, Plastic Molding .....	1.69	0.44
06 65 00 00-0027 LF 1/2" x 1/2" Cove, Plastic Molding .....	1.91	0.44
06 65 00 00-0028 LF 5/8" x 5/8" Cove, Plastic Molding .....	2.62	0.51
06 65 00 00-0029 LF 3/4" x 3/4" Cove, Plastic Molding .....	2.62	0.51
06 65 00 00-0030 LF 15/16" x 15/16" Cove, Plastic Molding .....	3.61	0.51
06 65 00 00-0031 LF 9/16" x 1-3/4" Cove, Plastic Molding .....	4.84	0.59
06 65 00 00-0032 LF 11/16" x 2-3/4" Cove, Plastic Molding .....	6.93	0.59
06 65 00 00-0033 Chair Rail, Plastic Moldings (06 65 00 00-0001)		

**06 Wood, Plastics, and Composites****06 60 Plastic Fabrications****06 65 Plastic Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 65 00 00-0034	LF		1/2" x 1-5/8" Chair Rail, Plastic Molding.....	3.04	0.59
06 65 00 00-0035	LF		5/8" x 2-1/2" Chair Rail, Plastic Molding.....	4.11	0.79
06 65 00 00-0036	LF		5/8" x 3-1/2" Chair Rail, Plastic Molding.....	5.39	0.79
<b>06 65 00 00-0037</b>			<b>Door, Plastic Moldings</b> (06 65 00 00-0001)		
06 65 00 00-0038	LF		1-1/8" Wide, Door, Plastic Molding .....	2.18	0.71
06 65 00 00-0039	LF		1-1/8" Wide, Detailed Door, Plastic Molding .....	2.22	0.71
<b>06 65 00 00-0040</b>			<b>Trim, Plastic Moldings</b> (06 65 00 00-0001)		
06 65 00 00-0041	LF		1/2" x 1/2" Quarter Round Trim, Plastic Molding.....	2.12	0.82
06 65 00 00-0042	LF		3/4" x 3/4" Quarter Round Trim, Plastic Molding.....	2.59	0.82
06 65 00 00-0043	LF		1-1/4" x 2" Brick Mould, Plastic Molding.....	2.87	0.79
06 65 00 00-0044	LF		1-17/32" x 1-1/2" x 1-3/8" Sill Nose, Plastic Molding.....	3.49	0.79
06 65 00 00-0045	LF		11/16" x 1-5/8" Drip Cap, Plastic Molding.....	2.28	0.79
06 65 00 00-0046	LF		2-3/4" x 2" Water Table, Plastic Molding.....	3.93	0.79
06 65 00 00-0047	LF		3/8" x 2" Garage Door Stop, Plastic Molding.....	2.62	0.79
<b>06 65 00 00-0048</b>			<b>Extruded Polyvinyl Chloride (PVC) Trimboard</b> (06 65)		
			Note: As manufactured by Azek or Kleer. All dimensions are nominal.		
06 65 00 00-0049	LF		1" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard.....	2.11	0.31
06 65 00 00-0050	LF		1" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard.....	3.13	0.35
06 65 00 00-0051	LF		1" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard.....	4.15	0.39
06 65 00 00-0052	LF		1" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard.....	5.06	0.41
06 65 00 00-0053	LF		1" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard.....	6.06	0.42
06 65 00 00-0054	LF		5/4" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard.....	2.65	0.31
06 65 00 00-0055	LF		5/4" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard.....	3.97	0.35
06 65 00 00-0056	LF		5/4" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard.....	5.08	0.39
06 65 00 00-0057	LF		5/4" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard.....	6.34	0.41
06 65 00 00-0058	LF		5/4" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard.....	7.50	0.42
06 65 00 00-0059	LF		3-1/2" x 3-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board .....	6.04	0.41
06 65 00 00-0060	LF		5-1/2" x 5-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board .....	8.14	0.42
06 65 00 00-0061	SF		1/2" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets.....	4.18	0.35
06 65 00 00-0062	SF		3/4" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets.....	6.12	0.39
<b>06 70 Structural Composites</b> (06)					
<b>06 74 Composite Gratings</b> (06 70)					
<b>06 74 13 Fiberglass Reinforced Gratings</b> (06 74)					
<b>06 74 13 00-0001</b>			<b>Molded Fiberglass Gratings And Coverings</b> (06 74 13)		
<b>06 74 13 00-0002</b>			<b>Vi-Corr Resin System</b> (06 74 13 00-0001)		
			Note: Orange or dark gray.		
06 74 13 00-0003	SF		1" Molded Fiberglass Grate, 1" x 4" Mesh, Vi-Corr Resin, Meniscus Top.....	31.75	1.17
06 74 13 00-0004	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top .....	30.82	1.17
06 74 13 00-0005	SF		1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top .....	40.44	1.17
06 74 13 00-0006	SF		2" Molded Fiberglass Grate, 2" x 2" Mesh, Vi-Corr Resin, Meniscus Top.....	43.67	1.49
06 74 13 00-0007	SF		1" Molded Fiberglass Grating, 1" x 4" Mesh, Vi-Corr Resin, Applied Grit Top .....	33.35	1.17
06 74 13 00-0008	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top.....	32.39	1.17
06 74 13 00-0009	SF		1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top .....	42.76	1.17
06 74 13 00-0010	SF		2" Molded Fiberglass Grating, 2" x 2" Mesh, Vi-Corr Resin, Applied Grit Top .....	45.86	1.49
06 74 13 00-0011	SF		1/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering.....	30.18	0.93
06 74 13 00-0012	SF		1/2" Vi-Corr Resin Polyester Resin, Fiberplate Covering.....	49.20	1.03
06 74 13 00-0013	SF		3/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering.....	67.60	1.13
<b>06 74 13 00-0014</b>			<b>IFR Fire Retardant Isophthalic Resin</b> (06 74 13 00-0001)		
06 74 13 00-0015	SF		1" Molded Fiberglass Grate, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top .....	29.14	1.17
06 74 13 00-0016	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top.....	27.25	1.17
06 74 13 00-0017	SF		1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top.....	35.27	1.17
06 74 13 00-0018	SF		2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top.....	37.94	1.49
06 74 13 00-0019	SF		1" Molded Fiberglass Grating, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top .....	30.46	1.17
06 74 13 00-0020	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top .....	28.00	1.17
06 74 13 00-0021	SF		1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top .....	38.22	1.49
06 74 13 00-0022	SF		2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top .....	40.10	1.49
06 74 13 00-0023	SF		1/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering.....	26.53	0.93
06 74 13 00-0024	SF		1/2" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering.....	37.76	1.03
06 74 13 00-0025	SF		3/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering.....	52.05	1.13
<b>06 74 13 00-0026</b>			<b>Corvex Polyester Resin</b> (06 74 13 00-0001)		
			Note: Dark gray.		
06 74 13 00-0027	SF		1" Molded Fiberglass Grate, 1" x 4" Mesh, Corvex Polyester Resin, Meniscus Top.....	24.62	1.17
06 74 13 00-0028	SF		1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top .....	23.61	1.17
06 74 13 00-0029	SF		1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top .....	28.78	1.17
06 74 13 00-0030	SF		2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Meniscus Top .....	33.01	1.49



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 74 13 00-0031	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, Corvex Polyester Resin, Applied Grit Top .....	26.28	1.17
06 74 13 00-0032	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top .....	25.27	1.17
06 74 13 00-0033	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top .....	30.71	1.17
06 74 13 00-0034	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Applied Grit Top .....	34.67	1.49
06 74 13 00-0035	SF	1/4" Corvex Polyester Resin, Fiberplate Covering .....	23.36	0.93
06 74 13 00-0036	SF	1/2" Corvex Polyester Resin, Fiberplate Covering .....	37.60	1.03
06 74 13 00-0037	SF	3/4" Corvex Polyester Resin, Fiberplate Covering .....	52.32	1.13
<b>06 74 13 00-0038</b>		<b>XFR Extra Fire Retardant (06 74 13 00-0001)</b>		
06 74 13 00-0039	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, XFR Extra Fire Retardant, Meniscus Top .....	36.56	1.17
06 74 13 00-0040	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top .....	35.48	1.17
06 74 13 00-0041	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top .....	48.84	1.17
06 74 13 00-0042	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Meniscus Top .....	52.05	1.49
06 74 13 00-0043	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh XFR Extra Fire Retardant, Applied Grit Top .....	38.19	1.17
06 74 13 00-0044	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top .....	37.13	1.17
06 74 13 00-0045	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top .....	50.77	1.17
06 74 13 00-0046	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Applied Grit Top .....	54.39	1.49
06 74 13 00-0047	SF	1/4" XFR Extra Fire Retardant Resin, Fiberplate Covering .....	34.66	0.93
06 74 13 00-0048	SF	1/2" XFR Extra Fire Retardant Resin, Fiberplate Covering .....	56.38	1.03
<b>06 74 13 00-0049</b>		<b>ELS Extremely Low Smoke Resin (06 74 13 00-0001)</b>		
06 74 13 00-0050	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top .....	37.52	1.17
06 74 13 00-0051	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top .....	36.36	1.17
06 74 13 00-0052	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top .....	47.51	1.17
06 74 13 00-0053	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top .....	50.79	1.49
06 74 13 00-0054	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top .....	39.03	1.17
06 74 13 00-0055	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top .....	38.07	1.17
06 74 13 00-0056	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top .....	49.37	1.17
06 74 13 00-0057	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top .....	52.67	1.49
06 74 13 00-0058	SF	1/4" ELS Extremity Low Smoke Resin, Fiberplate Covering .....	38.81	0.93
06 74 13 00-0059	SF	1/2" ELS Extremity Low Smoke Resin, Fiberplate Covering .....	70.41	1.03
<b>06 74 13 00-0060</b>		<b>Pultruded Fiberglass Grating (06 74 13)</b>		
<b>06 74 13 00-0061</b>		<b>ISOFR Isophthalic Polyester Resin System (06 74 13 00-0060)</b>		
		Note: For moderately corrosive environments, green.		
<b>06 74 13 00-0062</b>		<b>1" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)</b>		
06 74 13 00-0063	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin .....	26.46	1.49
06 74 13 00-0064	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin .....	23.40	1.17
06 74 13 00-0065	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin .....	30.02	1.49
06 74 13 00-0066	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin .....	27.71	1.17
06 74 13 00-0067	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin .....	20.48	1.49
06 74 13 00-0068	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin .....	18.05	1.17
06 74 13 00-0069	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin .....	23.57	1.49
06 74 13 00-0070	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin .....	21.20	1.17
<b>06 74 13 00-0071</b>		<b>1-1/2" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)</b>		
06 74 13 00-0072	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin .....	29.99	1.49
06 74 13 00-0073	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin .....	27.01	1.17
06 74 13 00-0074	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin .....	33.80	1.49
06 74 13 00-0075	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin .....	31.66	1.17
06 74 13 00-0076	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin .....	26.27	1.49
06 74 13 00-0077	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin .....	23.90	1.17
<b>06 74 13 00-0078</b>		<b>2" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)</b>		
06 74 13 00-0079	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin .....	25.74	1.49
06 74 13 00-0080	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin .....	28.58	1.49
06 74 13 00-0081	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin .....	34.75	1.49
06 74 13 00-0082	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin .....	32.74	1.49
<b>06 74 13 00-0083</b>		<b>VERF Vinyl Ester Resin System (06 74 13 00-0060)</b>		
<b>06 74 13 00-0084</b>		<b>1" VERF Vinyl Ester Resin System (06 74 13 00-0083)</b>		
06 74 13 00-0085	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin .....	28.07	1.17
06 74 13 00-0086	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin .....	25.01	1.17
06 74 13 00-0087	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERF Vinyl Ester Resin .....	31.66	1.17
06 74 13 00-0088	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERF Vinyl Ester Resin .....	36.47	1.17
06 74 13 00-0089	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, VERF Vinyl Ester Resin .....	21.36	1.17
06 74 13 00-0090	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, VERF Vinyl Ester Resin .....	19.00	1.17
06 74 13 00-0091	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERF Vinyl Ester Resin .....	24.64	1.17
06 74 13 00-0092	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERF Vinyl Ester Resin .....	22.54	1.17
<b>06 74 13 00-0093</b>		<b>1-1/2" VERF Vinyl Ester Resin System (06 74 13 00-0083)</b>		



**06 Wood, Plastics, and Composites****06 70 Structural Composites****06 74 Composite Gratings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 74 13 00-0094	SF		1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VEF Vinyl Ester Resin .....	30.89	1.17
06 74 13 00-0095	SF		1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VEF Vinyl Ester Resin .....	27.87	1.17
06 74 13 00-0096	SF		1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VEF Vinyl Ester Resin .....	35.43	1.17
06 74 13 00-0097	SF		1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VEF Vinyl Ester Resin .....	33.03	1.17
06 74 13 00-0098	SF		1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VEF Vinyl Ester Resin .....	27.68	1.17
06 74 13 00-0099	SF		1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VEF Vinyl Ester Resin .....	25.44	1.17
<b>06 74 13 00-0100</b>			<b>2" VEF Vinyl Ester Resin System (06 74 13 00-0083)</b>		
06 74 13 00-0101	SF		2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VEF Vinyl Ester Resin .....	27.09	1.49
06 74 13 00-0102	SF		2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VEF Vinyl Ester Resin .....	24.90	1.49
06 74 13 00-0103	SF		2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, VEF Vinyl Ester Resin .....	36.65	1.49
06 74 13 00-0104	SF		2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, VEF Vinyl Ester Resin .....	35.56	1.49

**06 80 Composite Fabrications (06)****06 81 Composite Railings (06 80)****06 81 13 Glass-Fiber-Reinforced Plastic Railings (06 81)****06 81 13 00-0001 Fiberglass Handrail Assembly (06 81 13)**

Note: Assembly includes posts, rails, kick plates, fasteners and accessories. Not to be used in conjunction with handrail components.

06 81 13 00-0002	LF		Fiberglass Side Mount Handrail, 2 1/8" Square Tube Posts Up To 42" High, Set 5' On Center, Two Horizontal 1-3/4" Square Tube Rails, 4" Kick Plate, Stainless Steel Fasteners And Accessories.....	56.10	22.66
06 81 13 00-0003	LF		Fiberglass Top Mount Handrail, 2 1/8" Square Tube Posts Up To 42" High, Set 5' On Center, Two Horizontal 1-3/4" Square Tube Rails, 4" Kick Plate, Stainless Steel Fasteners And Accessories.....	65.40	22.66
06 81 13 00-0004	LF		Fiberglass Handrail For Stairs, 2 1/8" Square Tube Posts Up To 42" High, Set 5' On Center, Two Horizontal 1-3/4" Square Tube Rails, Stainless Steel Fasteners And Accessories.....	52.29	22.66

**06 81 13 00-0005 Fiberglass Handrail Components (06 81 13)**

Note: This section is only to be used when entire handrail assembly is not required.

06 81 13 00-0006	LF		Fiberglass Kick Plate (12' Sections) With Splice Kit.....	167.03	
06 81 13 00-0007	LF		Fiberglass Kick Plate (24' sections) With Splice Kit.....	165.61	
06 81 13 00-0008	EA		Fiberglass Side Mount Post For Handrail .....	239.91	
06 81 13 00-0009	EA		Fiberglass Top Mount Post For Handrail With Stainless Steel Base.....	275.30	
06 81 13 00-0010	LF		Fiberglass Square Tube For Horizontal Handrail, ISOFR 1-3/4" x 1/8" (12' sections).....	166.59	
06 81 13 00-0011	LF		Fiberglass Square Tube For Horizontal Handrail, ISOFR 1-3/4" x 1/8" (24' sections).....	165.86	
06 81 13 00-0012	LF		Fiberglass Square Tube For Horizontal Handrail, ISOFR 2-1/8" x 3/16" (21' sections).....	166.96	

**06 82 Composite Trim (06 80)****06 82 00 00-0001 Fiberglass Castings (06 82)****06 82 00 00-0002 Fiberglass Angle, Equal Legs (06 82 00 00-0001)**

06 82 00 00-0003	LF		1" x 1" x 1/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin .....	5.88	1.95
06 82 00 00-0004	LF		1" x 1" x 1/8" Thick Fiberglass Angle, VEF Vinyl Ester Resin.....	6.21	1.95
06 82 00 00-0005	LF		3" x 3" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin .....	11.73	2.33
06 82 00 00-0006	LF		3" x 3" x 1/4" Thick Fiberglass Angle, VEF Vinyl Ester Resin.....	13.10	2.33
06 82 00 00-0007	LF		4" x 4" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin .....	13.18	2.33
06 82 00 00-0008	LF		4" x 4" x 1/4" Thick Fiberglass Angle, VEF Vinyl Ester Resin .....	14.17	2.33
06 82 00 00-0009	LF		4" x 4" x 3/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin .....	15.50	2.33
06 82 00 00-0010	LF		4" x 4" x 3/8" Thick Fiberglass Angle, VEF Vinyl Ester Resin.....	17.61	2.33
06 82 00 00-0011	LF		6" x 6" x 1/2" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin .....	43.71	2.91
06 82 00 00-0012	LF		6" x 6" x 1/2" Thick Fiberglass Angle, VEF Vinyl Ester Resin.....	50.53	2.91

**06 82 00 00-00013 Fiberglass Channels (06 82 00 00-0001)**

06 82 00 00-0014	LF		3" x 1" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin.....	6.74	2.91
06 82 00 00-0015	LF		3" x 1" x 1/4" Fiberglass Channel, VEF Vinyl Ester Resin .....	7.07	2.91
06 82 00 00-0016	LF		4" x 1 1/8" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin.....	15.36	3.30
06 82 00 00-0017	LF		4" x 1 1/8" x 1/4" Fiberglass Channel, VEF Vinyl Ester Resin .....	15.36	3.30
06 82 00 00-0018	LF		6" x 1 11/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin .....	24.94	3.30
06 82 00 00-0019	LF		6" x 1 11/16" x 3/8" Fiberglass Channel, VEF Vinyl Ester Resin .....	29.24	3.30
06 82 00 00-0020	LF		8" x 2 3/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin.....	23.33	3.30
06 82 00 00-0021	LF		8" x 2 3/16" x 3/8" Fiberglass Channel, VEF Vinyl Ester Resin .....	28.11	3.30
06 82 00 00-0022	LF		10" x 2-3/4" x 1/2" Fiberglass Channel, ISOFR Isophthalic Polyester Resin.....	35.50	4.53
06 82 00 00-0023	LF		10" x 2-3/4" x 1/2" Fiberglass Channel, VEF Vinyl Ester Resin .....	41.05	4.53

**06 82 00 00-0024 Fiberglass Wide Flange Beams (06 82 00 00-0001)**

06 82 00 00-0025	LF		4" x 4" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin.....	20.83	3.88
06 82 00 00-0026	LF		4" x 4" x 1/4" Fiberglass Wide Flange Beam, VEF Vinyl Ester Resin.....	22.98	3.88
06 82 00 00-0027	LF		6" x 6" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin.....	26.83	4.66
06 82 00 00-0028	LF		6" x 6" x 1/4" Fiberglass Wide Flange Beam, VEF Vinyl Ester Resin .....	27.86	4.66
06 82 00 00-0029	LF		8" x 8" x 3/8" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin.....	44.24	5.83
06 82 00 00-0030	LF		8" x 8" x 3/8" Fiberglass Wide Flange Beam, VEF Vinyl Ester Resin.....	56.36	5.83
06 82 00 00-0031	LF		10" x 10" x 1/2" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin.....	101.65	7.12



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	06 82 00 00-0032	LF		10" x 10" x 1/2" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin.....	114.90	7.12
<b>06 82 00 00-0033</b>	<b>Fiberglass Flat Sheet</b> <small>(06 82 00 00-0001)</small>					
	Note: Not to be used for bathroom board.					
	06 82 00 00-0034	SF		1/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin.....	17.15	3.30
	06 82 00 00-0035	SF		1/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin.....	18.00	3.30
	06 82 00 00-0036	SF		1/4" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin.....	27.71	3.88
	06 82 00 00-0037	SF		1/4" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin.....	32.21	3.88
	06 82 00 00-0038	SF		3/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin.....	37.95	4.66
	06 82 00 00-0039	SF		3/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin.....	44.71	4.66
	06 82 00 00-0040	SF		1/2" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin.....	51.44	5.83
	06 82 00 00-0041	SF		1/2" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin.....	61.78	5.83
<b>06 82 00 00-0042</b>	<b>Fiberglass Bars</b> <small>(06 82 00 00-0001)</small>					
<b>06 82 00 00-0043</b>	<b>Square Bars</b> <small>(06 82 00 00-0042)</small>					
	06 82 00 00-0044	LF		1" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin.....	10.01	2.33
	06 82 00 00-0045	LF		1-1/4" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin.....	14.76	3.43
	06 82 00 00-0046	LF		1-1/2" Square Fiberglass Solid Square Bar, ISOFR Isophthalic Polyester Resin.....	17.40	4.53
<b>06 82 00 00-0047</b>	<b>Round Bars</b> <small>(06 82 00 00-0042)</small>					
	06 82 00 00-0048	LF		1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin.....	6.18	1.95
	06 82 00 00-0049	LF		1" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin.....	13.96	2.91
	06 82 00 00-0050	LF		1" Diameter Fiberglass Solid Round Bar, VERF Vinyl Ester Resin.....	16.01	2.91
	06 82 00 00-0051	LF		1-1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin.....	21.76	2.91
	06 82 00 00-0052	LF		1-1/2" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin.....	26.08	3.30
<b>06 82 00 00-0053</b>	<b>Fiberglass Tubes</b> <small>(06 82 00 00-0001)</small>					
<b>06 82 00 00-0054</b>	<b>Square Tube</b> <small>(06 82 00 00-0053)</small>					
	06 82 00 00-0055	LF		1" x 1" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin.....	7.11	1.95
	06 82 00 00-0056	LF		1" x 1" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin.....	7.77	1.95
	06 82 00 00-0057	LF		2" x 2" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin.....	10.82	2.33
	06 82 00 00-0058	LF		2" x 2" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin.....	11.99	2.33
	06 82 00 00-0059	LF		3" x 3" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin.....	21.51	2.91
	06 82 00 00-0060	LF		3" x 3" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin.....	24.21	2.91
	06 82 00 00-0061	LF		4" x 4" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin.....	25.26	3.50
	06 82 00 00-0062	LF		4" x 4" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin.....	32.79	3.50
<b>06 82 00 00-0063</b>	<b>Round Tube</b> <small>(06 82 00 00-0053)</small>					
	06 82 00 00-0064	LF		1" Diameter x 1/8" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin.....	6.76	1.95
	06 82 00 00-0065	LF		1" Diameter x 1/8" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin.....	7.06	1.95
	06 82 00 00-0066	LF		2" Diameter x 1/4" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin.....	13.42	2.33
	06 82 00 00-0067	LF		2" Diameter x 1/4" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin.....	14.41	2.33
<b>06 82 00 00-0068</b>	<b>Fiberglass Threaded Rods</b> <small>(06 82 00 00-0001)</small>					
	06 82 00 00-0069	LF		3/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin.....	9.79	1.49
	06 82 00 00-0070	LF		1/2" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin.....	10.48	1.49
	06 82 00 00-0071	LF		5/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin.....	12.03	1.68
	06 82 00 00-0072	LF		3/4" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin.....	13.36	1.68
	06 82 00 00-0073	LF		1" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin.....	14.86	1.68
<b>06 82 00 00-0074</b>	<b>Grating Support Legs, VEFR Resin</b> <small>(06 82 00 00-0001)</small>					
	06 82 00 00-0075	EA		Grating Support Legs, Fixed Height With Base Miscellaneous Fiberglass Castings.....	20.95	
	06 82 00 00-0076	EA		Grate Support Legs Fixed Height Without Base Miscellaneous Fiberglass Castings.....	8.98	
	06 82 00 00-0077	EA		Grating Support Legs, Adjustable To 60" Miscellaneous Fiberglass Castings.....	33.75	
<b>06 82 00 00-0078</b>	<b>Fiberglass Netting</b> <small>(06 82 00 00-0001)</small>					
	06 82 00 00-0079	SF		1/2" x 1/2" Mesh, Clear Flexible Fiberglass Netting.....	0.35	0.16
	06 82 00 00-0080	SF		1/2" x 2" Mesh, Clear Flexible Fiberglass Netting.....	0.35	0.16
	06 82 00 00-0081	SF		3/4" x 5/8" Mesh, Clear Flexible Fiberglass Netting.....	0.35	0.16
	06 82 00 00-0082	SF		7/8" x 7/8" Mesh, Clear Flexible Fiberglass Netting.....	0.35	0.16
	06 82 00 00-0083	SF		1" x 1" Mesh, Clear Flexible Fiberglass Netting.....	0.35	0.16
	06 82 00 00-0084	SF		1/2" x 1/2" Mesh, Green Flexible Fiberglass Netting.....	0.34	0.16
	06 82 00 00-0085	SF		1/2" x 2" Mesh, Green Flexible Fiberglass Netting.....	0.34	0.16
	06 82 00 00-0086	SF		3/4" x 5/8" Mesh, Green Flexible Fiberglass Netting.....	0.34	0.16
	06 82 00 00-0087	SF		7/8" x 7/8" Mesh, Green Flexible Fiberglass Netting.....	0.34	0.16
	06 82 00 00-0088	SF		1" x 1" Mesh, Green Flexible Fiberglass Netting.....	0.34	0.16
<b>06 82 00 00-0089</b>	<b>Fiberglass Stair Treads</b> <small>(06 82)</small>					

**06 Wood, Plastics, and Composites****06 80 Composite Fabrications****06 82 Composite Trim**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>06 82 00 00-0090</b> <b>Fiberglass Stair Treads</b> <small>(06 82 00 00-0089)</small>		
<b>06 82 00 00-0091</b> <b>10-1/2" Deep Isophthalic Resin System</b> <small>(06 82 00 00-0090)</small>		
06 82 00 00-0092 EA    1" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System .....	68.11	10.17
06 82 00 00-0093 EA    1" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System .....	80.08	10.17
06 82 00 00-0094 EA    1" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System .....	92.05	10.17
06 82 00 00-0095 EA    1" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System .....	104.02	10.17
06 82 00 00-0096 EA    1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System .....	75.29	10.17
06 82 00 00-0097 EA    1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System .....	89.05	10.17
06 82 00 00-0098 EA    1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System .....	102.82	10.17
06 82 00 00-0099 EA    1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System .....	116.59	10.17
06 82 00 00-0100 EA    2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System .....	86.30	10.17
06 82 00 00-0101 EA    2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System .....	102.82	10.17
06 82 00 00-0102 EA    2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System .....	119.34	10.17
06 82 00 00-0103 EA    2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System .....	135.86	10.17
<b>06 82 00 00-0104</b> <b>12" Deep Isophthalic Resin System</b> <small>(06 82 00 00-0090)</small>		
06 82 00 00-0105 EA    1" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System .....	74.95	10.17
06 82 00 00-0106 EA    1" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System .....	88.63	10.17
06 82 00 00-0107 EA    1" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System .....	102.31	10.17
06 82 00 00-0108 EA    1" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System .....	115.99	10.17
06 82 00 00-0109 EA    1-1/2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System .....	83.16	10.17
06 82 00 00-0110 EA    1-1/2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System .....	98.89	10.17
06 82 00 00-0111 EA    1-1/2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System .....	114.62	10.17
06 82 00 00-0112 EA    1-1/2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System .....	130.35	10.17
06 82 00 00-0113 EA    2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System .....	95.74	10.17
06 82 00 00-0114 EA    2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System .....	114.62	10.17
06 82 00 00-0115 EA    2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System .....	133.50	10.17
06 82 00 00-0116 EA    2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System .....	152.38	10.17
<b>06 82 00 00-0117</b> <b>Other Fiberglass</b> <small>(06 82)</small>		
<b>06 82 00 00-0118</b> <b>Fiberglass Splash Blocks</b> <small>(06 82 00 00-0117)</small>		
06 82 00 00-0119 EA    Standard Size Fiberglass Splash Block .....	9.47	1.56
<b>06 83 Composite Paneling</b> <small>(06 80)</small>		
<b>06 83 16 Fiberglass Reinforced Paneling</b> <small>(06 83)</small>		
<b>06 83 16 00-0001</b> <b>Fiberglass Reinforced Polyester (FRP) Panels</b> <small>(06 83 16)</small>		
Note: Includes adhesive and trim.		
06 83 16 00-0002 SF    Fiberglass Reinforced Polyester (FRP) Paneling Including Adhesive And Trim .....	3.30	0.79

**END OF SECTION 06**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 07 Thermal And Moisture Protection

### 07 01 Operation And Maintenance Of Thermal And Moisture Protection <sup>(07)</sup>

#### 07 01 50 Maintenance Of Membrane Roofing <sup>(07 01)</sup>

##### 07 01 50 19 Preparation For Re-Roofing <sup>(07 01 50)</sup>

##### 07 01 50 19-0001 Preparation For Re-Roofing <sup>(07 01 50 19)</sup>

07 01 50 19-0002	SQ	Remove Pea Gravel Ballast From Roof, Vacuum And Disposal.....	20.44	
07 01 50 19-0003	SQ	Remove Gravel Ballast From Roof, Vacuum And Disposal .....	36.08	

##### 07 01 50 81 Roof Replacement <sup>(07 01 50)</sup>

##### 07 01 50 81-0001 Roof Repair <sup>(07 01 50 81)</sup>

Note: Less than 100 SF areas. Excludes mobilization of crew for small quantity of roof work. See CSI section 07 05 13 00-0001 for mobilization of crew for small quantity of roof work.

07 01 50 81-0002	SF	Roof Repair, Built-Up Roofing, Up To 10 SF .....	11.25	
07 01 50 81-0003	SF	Roof Repair, Built-Up Roofing, >10 To 25 SF .....	10.09	
07 01 50 81-0004	SF	Roof Repair, Built-Up Roofing, >25 To 50 SF .....	9.20	
07 01 50 81-0005	SF	Roof Repair, Built-Up Roofing, >50 To 100 SF .....	8.55	
07 01 50 81-0006	SF	Roof Repair, Membrane Roofing, Up To 10 SF .....	12.76	
07 01 50 81-0007	SF	Roof Repair, Membrane Roofing, >10 To 25 SF .....	11.60	
07 01 50 81-0008	SF	Roof Repair, Membrane Roofing, >25 To 50 SF .....	10.71	
07 01 50 81-0009	SF	Roof Repair, Membrane Roofing, >50 To 100 SF .....	10.07	
07 01 50 81-0010	SF	Roof Repair, Shingle Roofing, Up To 10 SF .....	9.74	
07 01 50 81-0011	SF	Roof Repair, Shingle Roofing, >10 To 25 SF .....	8.73	
07 01 50 81-0012	SF	Roof Repair, Shingle Roofing, >25 To 50 SF .....	8.00	
07 01 50 81-0013	SF	Roof Repair, Shingle Roofing, >50 To 100 SF .....	7.50	
07 01 50 81-0014	LF	Heat Weld Roofing Seams For Repair.....	3.43	

##### 07 01 50 81-0015 Emergency Roof Patch <sup>(07 01 50 81)</sup>

Note: 4 Hour response time.

07 01 50 81-0016	EA	Mobilize For Emergency Roof Patching.....	210.66	
07 01 50 81-0017	EA	Granule Emergency Roof Patch Cover 16 SF .....	46.06	

##### 07 01 50 81-0018 Adhesives <sup>(07 01 50 81)</sup>

Note: For repair of seams.

##### 07 01 50 81-0019 Mastic Sealer <sup>(07 01 50 81-0018)</sup>

##### 07 01 50 81-0020 Applied At Joints Only <sup>(07 01 50 81-0019)</sup>

07 01 50 81-0021	LF	Mastic Sealer, 1/4" Bead At Joint.....	2.15	0.90
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## 07 05 Common Work Results For Thermal And Moisture Protection <sup>(07)</sup>

### 07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work <sup>(07 05)</sup>

#### 07 05 13 00-0001 Mobilization Of Crew For Small Quantity Of Roof Work <sup>(07 05 13)</sup>

Note: For use with all roofing tasks where the total quantity of roof work is 4 squares or less.

07 05 13 00-0002	EA	Up To 1 SQ, Mobilization Of Crew For Small Quantity Of Roof Work.....	633.99	
07 05 13 00-0003	EA	>1 To 2 SQ, Mobilization Of Crew For Small Quantity Of Roof Work .....	474.35	
07 05 13 00-0004	EA	>2 To 3 SQ, Mobilization Of Crew For Small Quantity Of Roof Work .....	317.00	
07 05 13 00-0005	EA	>3 To 4 SQ, Mobilization Of Crew For Small Quantity Of Roof Work .....	158.12	

## 07 10 Damproofing And Waterproofing <sup>(07)</sup>

Note: The following tasks are for application to vertical (walls and foundations) surfaces. For horizontal (flat) surfaces apply the appropriate modifier to reduce the labor cost. Waterproofing is the treatment of a surface or structure to PREVENT the passage of water under hydrostatic pressure. Damproofing is the treatment of a surface or structure to RESIST the passage of water in the absence of hydrostatic pressure.

### 07 11 Damproofing <sup>(07 10)</sup>

#### 07 11 13 Bituminous Damproofing <sup>(07 11)</sup>

##### 07 11 13 00-0001 Fibrous Asphalt Damproofing, Brush, Roller Or Spray <sup>(07 11 13)</sup>

07 11 13 00-0002	CSF	1 Coat, Fibrous Asphalt Damproofing, Brush, Roller Or Spray .....	88.24	
07 11 13 00-0003	CSF	2 Coats, Fibrous Asphalt Damproofing, Brush, Roller Or Spray .....	130.44	

##### 07 11 13 00-0004 Fibrous Asphalt Damproofing, Troweled On <sup>(07 11 13)</sup>

07 11 13 00-0005	CSF	Primer And 1 Coat, Fibrous Asphalt Damproofing, Troweled On.....	156.13	
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**07 Thermal And Moisture Protection****07 10 Dampproofing And Waterproofing****07 11 Dampproofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 11 13 00-0006 CSF Primer And 2 Coats, Fibrous Asphalt Dampproofing, Troweled On.....	249.04	
<b>07 11 13 00-0007 Asphaltic Paint Dampproofing (07 11 13)</b>		
07 11 13 00-0008 CSF 1 Coat, Asphaltic Paint Dampproofing, Brushed On .....	68.93	
07 11 13 00-0009 CSF 2 Coats, Asphaltic Paint Dampproofing, Brushed On .....	128.37	
<b>07 11 19 Sheet Dampproofing (07 11)</b>		
<b>07 11 19 00-0001 Neoprene (07 11 19)</b>		
07 11 19 00-0002 SF 1/16" Patch Neoprene Roof (5-20 SF) .....	18.32	
<b>07 13 Sheet Waterproofing (07 10)</b>		
<b>07 13 13 Bituminous Sheet Waterproofing (07 13)</b>		
<b>07 13 13 00-0001 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped (07 13)</b>		
07 13 13 00-0002 CSF 1 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped .....	149.70	51.86
For 30 LB Felt, Add	34.49	
For Application To Horizontal Surfaces, Deduct	-15.56	
07 13 13 00-0003 CSF 2 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped .....	189.06	58.35
For 30 LB Felt, Add	54.27	
For Application To Horizontal Surfaces, Deduct	-17.51	
07 13 13 00-0004 CSF 3 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped .....	228.39	64.82
For 30 LB Felt, Add	74.05	
For Application To Horizontal Surfaces, Deduct	-19.45	
07 13 13 00-0005 CSF 4 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped .....	267.73	71.31
For 30 LB Felt, Add	93.83	
For Application To Horizontal Surfaces, Deduct	-21.39	
07 13 13 00-0006 CSF 5 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped .....	307.06	77.80
For 30 LB Felt, Add	113.61	
For Application To Horizontal Surfaces, Deduct	-23.34	
<b>07 13 13 00-0007 Asphalt Coated Protective Board (07 13 13)</b>		
07 13 13 00-0008 CSF 1/8" Asphalt Coated Protective Board.....	126.99	50.80
For Application To Horizontal Surfaces, Deduct	-16.94	
07 13 13 00-0009 CSF 1/4" Asphalt Coated Protective Board.....	170.35	52.75
For Application To Horizontal Surfaces, Deduct	-17.58	
07 13 13 00-0010 CSF 3/8" Asphalt Coated Protective Board.....	222.62	54.97
For Application To Horizontal Surfaces, Deduct	-18.32	
07 13 13 00-0011 CSF 1/2" Asphalt Coated Protective Board.....	249.13	57.18
For Application To Horizontal Surfaces, Deduct	-19.06	
<b>07 13 53 Elastomeric Sheet Waterproofing (07 13)</b>		
<b>07 13 53 00-0001 Rubberized Membrane Sheet (07 13 53)</b>		
07 13 53 00-0002 SF 215 Mil Rubberized Asphalt Membrane Sheet, Vertical Surface .....	3.57	0.52
For Floor Surfaces, Deduct	-0.52	
<b>07 13 53 00-0003 Ethylene Propylene Diene Monomer (EPDM) (07 13 53)</b>		
07 13 53 00-0004 CSF 45 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane .....	245.27	73.85
For Application To Horizontal Surfaces, Deduct	-22.15	
07 13 53 00-0005 CSF 60 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane .....	290.32	73.85
For Application To Horizontal Surfaces, Deduct	-22.15	
<b>07 13 53 00-0006 Butyl Sheet Waterproofing (07 13 53)</b>		
07 13 53 00-0007 CSF 1/32" Butyl Sheet Waterproofing.....	80.12	18.46
For Joint Taping, Add	8.26	
For Each Additional Ply, Add	57.93	
For Application To Horizontal Surfaces, Deduct	-2.78	
07 13 53 00-0008 CSF 1/16" Butyl Sheet Waterproofing.....	99.73	18.46
For Joint Taping, Add	9.24	
For Each Additional Ply, Add	71.66	
For Application To Horizontal Surfaces, Deduct	-2.78	
<b>07 13 53 00-0009 Butyl With Nylon (07 13 53)</b>		
07 13 53 00-0010 CSF 1/32" Butyl Elastomeric Waterproofing With Nylon .....	91.33	18.46
For Joint Taping, Add	8.82	
For Each Additional Ply, Add	65.78	
For Application To Horizontal Surfaces, Deduct	-2.78	
07 13 53 00-0011 CSF 1/16" Butyl Elastomeric Waterproofing With Nylon .....	103.94	18.46
For Joint Taping, Add	9.45	
For Each Additional Ply, Add	74.61	
For Application To Horizontal Surfaces, Deduct	-2.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>07 13 53 00-0012 Neoprene Sheet Waterproofing (07 13 53)</b>		
07 13 53 00-0013 CSF 1/32" Neoprene Sheet Waterproofing .....	155.83	18.46
<i>For Joint Taping, Add</i>	12.05	
<i>For Each Additional Ply, Add</i>	110.93	
<i>For Application To Horizontal Surfaces, Deduct</i>	-2.78	
07 13 53 00-0014 CSF 1/16" Neoprene Sheet Waterproofing .....	239.29	18.46
<i>For Joint Taping, Add</i>	16.22	
<i>For Each Additional Ply, Add</i>	169.35	
<i>For Application To Horizontal Surfaces, Deduct</i>	-2.78	
<b>07 13 53 00-0015 Neoprene With Nylon (07 13 53)</b>		
07 13 53 00-0016 CSF 1/32" Neoprene Elastomeric Waterproofing With Nylon .....	164.53	18.46
<i>For Joint Taping, Add</i>	12.48	
<i>For Each Additional Ply, Add</i>	117.02	
<i>For Application To Horizontal Surfaces, Deduct</i>	-2.78	
07 13 53 00-0017 CSF 1/16" Neoprene Elastomeric Waterproofing With Nylon .....	253.20	18.46
<i>For Joint Taping, Add</i>	16.92	
<i>For Each Additional Ply, Add</i>	179.09	
<i>For Application To Horizontal Surfaces, Deduct</i>	-2.78	
<b>07 13 53 00-0018 Plastic Vapor Barrier (Polyethylene) (07 13 53)</b>		
07 13 53 00-0019 CSF 4 Mil Polyethylene Vapor Barrier .....	14.70	4.79
<i>For Joint Taping, Add</i>	3.18	
<i>For Each Additional Ply, Add</i>	11.35	
<i>For Application To Horizontal Surfaces, Deduct</i>	-1.59	
07 13 53 00-0020 CSF 6 Mil Polyethylene Vapor Barrier .....	15.29	4.79
<i>For Joint Taping, Add</i>	3.20	
<i>For Each Additional Ply, Add</i>	11.76	
<i>For Application To Horizontal Surfaces, Deduct</i>	-1.59	
07 13 53 00-0021 CSF 10 Mil Polyethylene Vapor Barrier .....	30.30	4.79
<i>For Joint Taping, Add</i>	3.96	
<i>For Each Additional Ply, Add</i>	22.27	
<i>For Application To Horizontal Surfaces, Deduct</i>	-1.59	
07 13 53 00-0022 CSF 60 Mil Polyethylene Vapor Barrier With Bentonite .....	128.38	4.79
Note: Includes seam tape, liquid mastic, anchors and termination bar.		
<i>For Each Additional Ply, Add</i>	91.04	
<i>For Application To Horizontal Surfaces, Deduct</i>	-1.77	
<b>07 13 53 00-0023 Plastic Vapor Barrier (PVC) (07 13 53)</b>		
07 13 53 00-0024 CSF 10 Mil Polyvinyl Chloride (PVC) Vapor Barrier .....	35.26	5.30
<i>For Joint Taping, Add</i>	4.20	
<i>For Each Additional Ply, Add</i>	25.74	
<i>For Application To Horizontal Surfaces, Deduct</i>	-1.59	
07 13 53 00-0025 CSF 20 Mil Polyvinyl Chloride (PVC) Vapor Barrier .....	53.58	5.50
<i>For Joint Taping, Add</i>	5.21	
<i>For Each Additional Ply, Add</i>	38.61	
<i>For Application To Horizontal Surfaces, Deduct</i>	-1.65	
07 13 53 00-0026 CSF 30 Mil Polyvinyl Chloride (PVC) Vapor Barrier .....	78.62	5.69
<i>For Joint Taping, Add</i>	6.55	
<i>For Each Additional Ply, Add</i>	56.17	
<i>For Application To Horizontal Surfaces, Deduct</i>	-1.71	
<b>07 13 53 00-0027 Vinyl Plastic Vapor Barrier (07 13 53)</b>		
07 13 53 00-0028 CSF 4 Mil Vinyl Plastic Vapor Barrier With Fiberglass Insulation At Joints (Tu-Tuf #4) .....	20.87	4.91
<b>07 14 Fluid-Applied Waterproofing (07 10)</b>		
<b>07 14 13 Hot Fluid-Applied Rubberized Asphalt Waterproofing (07 14)</b>		
<b>07 14 13 00-0001 Hot Applied Rubberized Asphalt Waterproofing Coating (07 14 13)</b>		
07 14 13 00-0002 SF 90 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface .....	1.23	
Note: Includes primer.		
<i>For Application To Horizontal Surfaces, Deduct</i>	-0.10	
<i>For Reinforcing Fabric, Add</i>	0.28	
07 14 13 00-0003 SF 125 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface .....	1.47	
Note: Includes primer.		
<i>For Application To Horizontal Surfaces, Deduct</i>	-0.10	
<i>For Reinforcing Fabric, Add</i>	0.28	
<b>07 14 16 Cold Fluid-Applied Waterproofing (07 14)</b>		
<b>07 14 16 00-0001 Fluid Applied Neoprene (07 14 16)</b>		
07 14 16 00-0002 CSF Fluid Neoprene, 1/8" Fiberglass Reinforced .....	276.71	
<i>For Application To Horizontal Surfaces, Deduct</i>	-26.90	
07 14 16 00-0003 CSF Fluid Neoprene, 50 Mil, 4 Coats .....	596.02	
<i>For Application To Horizontal Surfaces, Deduct</i>	-52.77	

**07 Thermal And Moisture Protection****07 10 Dampproofing And Waterproofing****07 14 Fluid-Applied Waterproofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 14 16 00-0004 CSF Fluid Neoprene, 90 Mil, 4 Coats..... <i>For Application To Horizontal Surfaces, Deduct</i>	1,015.85 -79.12	
<b>07 14 16 00-0005 Fluid Applied Rubber Based Polyurethane (07 14 16)</b>		
07 14 16 00-0006 SF 60 Mil Thick, Fluid Applied, Rubber Base, Polyurethane Applied In 2 Coats..... <i>For Application To Horizontal Surfaces, Deduct</i>	2.25 -0.22	
07 14 16 00-0007 SF 90 Mil Thick, Fluid Applied, Rubber Base, Polyurethane Applied In 2 Coats..... <i>For Application To Horizontal Surfaces, Deduct</i>	2.69 -0.23	
07 14 16 00-0008 SF 120 Mil Thick, Fluid Applied, Rubber Base, Polyurethane Applied In 2 Coats..... <i>For Application To Horizontal Surfaces, Deduct</i>	3.17 -0.25	
<b>07 14 16 00-0009 One Part Solution Of Chlorosulfonated Polyethylene Polymer (07 14 16)</b>		
07 14 16 00-0010 SF 15 Mil Finish Coat, Chlorosulfonated Polyethylene (CSM) Polymer, 1 Part Solution.....	1.48	
<b>07 14 16 00-0011 Copolymer Compound (07 14 16)</b>		
07 14 16 00-0012 SF Fluid Elastomeric Copolymer Compound For Slabs 32 Mil.....	2.23	
<b>07 14 16 00-0013 One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®) (07 14 16)</b>		
Note: For pedestrian and vehicular traffic. Includes 10 year warranty.		
07 14 16 00-0014 SQ Concrete/Metal Primer (Garland Dura-Walk®) .....	12.56	
07 14 16 00-0015 SQ Base Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®) .....	253.26	
07 14 16 00-0016 SQ Wear Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®) .....	135.90	
07 14 16 00-0017 SQ Top Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®) .....	167.25	
07 14 16 00-0018 LF 6" Wide, Poly Joint Tape (Garland Dura-Walk®) .....	0.79	
<b>07 16 Cementitious And Reactive Waterproofing (07 10)</b>		
<b>07 16 13 Polymer Modified Cement Waterproofing (07 16)</b>		
07 16 13 00-0001 SF Polymer Modified Cementitious Waterproofing Assembly, 2 Coats..... Note: As manufactured by Thoro Consumer Products. Includes Thoroseal, Acryl 60, acrylic waterproof coating and white pigmented acrylic copolymer primer.	2.74	
<b>07 16 16 Crystalline Waterproofing (07 16)</b>		
07 16 16 00-0001 SF Crystalline Cementitious Waterproofing, 2 Coats (Xypex Concentrate).....	3.29	
<b>07 16 19 Metal Oxide Waterproofing (07 16)</b>		
<b>07 16 19 00-0001 Metallic Oxide Waterproofing (07 16 19)</b>		
Note: Includes one broom applied bond coat and three brush applied waterproof coats. Excludes concrete repairs to subbase and final protective concrete surface coat. See CSI section 03 54 16 00-0001 for self leveling underlayment for concrete floors, 09 24 33 00-0001 for cement parging.		
07 16 19 00-0002 CSF Catalyzed Metallic Waterproofing Treatment, Metal Oxide Waterproofing (Euclid Iron Waterpeller)..... <i>For Application To Horizontal Surfaces, Deduct</i>	257.69 -31.64	
<b>07 17 Bentonite Waterproofing (07 10)</b>		
<b>07 17 13 Bentonite Panel Waterproofing (07 17)</b>		
07 17 13 00-0001 CSF 3/16" Bentonite Waterproofing Panels..... <i>For Application To Horizontal Surfaces, Deduct</i>	215.28 -18.19	60.61
07 17 13 00-0002 CSF 1/4" Bentonite Waterproofing Panels..... <i>For Application To Horizontal Surfaces, Deduct</i>	196.92 -19.68	64.03
07 17 13 00-0003 CSF 5/8" Bentonite Waterproofing Panels..... <i>For Application To Horizontal Surfaces, Deduct</i>	270.85 -20.03	66.78
07 17 13 00-0004 CSF 3/8" Granular Bentonite, Troweled..... <i>For Application To Horizontal Surfaces, Deduct</i>	218.50 -16.66	55.54
<b>07 18 Traffic Coatings (07 10)</b>		
<b>07 18 13 Pedestrian Traffic Coatings (07 18)</b>		
<b>07 18 13 00-0001 Pedestrian Traffic Coatings (07 18 13)</b>		
07 18 13 00-0002 SF Primer and Epoxy With Non Slip Aggregate Traffic Coating..... Note: General Polymers 3579 primer and 3744P topcoat with non-slip aggregate.	2.78	
07 18 13 00-0003 SF 100% Acrylic Emulsion Protective Wall Coating..... Note: Sikagard 550W	2.78	
07 18 13 00-0004 SF 100% Acrylic Emulsion Protective Wall Or Floor Coating..... Note: Sikagard 670W	2.78	
07 18 13 00-0005 SF Polymer Modified Portland Cement Coating..... Note: SikaTop 144	4.17	
07 18 13 00-0006 SF Epoxy Resin Mortar Protective Coating With Non Slip Aggregate..... Note: Sikadur 22 Lo-Mod	4.17	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 18 13 00-0007	SF		Concrete And Steel Primer..... Note: Sika Armatec 110 EpoCem.	1.09	
07 18 13 00-0008	SF		Vehicular Traffic Bearing Epoxy Coating ..... Note: Includes shot blasting, traffic coating, applying sand, removal of excess sand, second traffic coating, second sand application, and removal of excess sand. TAMMS Flexolith Virginia EP-5 Modified.	4.53	
			<i>For Up To 5,000, Add</i>	0.63	
			<i>For &gt;5,000 To 15,000 SF, Add</i>	0.38	
			<i>For &gt;15,000 To 25,000 SF, Add</i>	0.13	
			<i>For &gt;50,000 To 75,000 SF, Deduct</i>	-0.08	
			<i>For &gt;75,000 SF, Deduct</i>	-0.15	
07 18 13 00-0009	SF		Pedestrian Traffic Bearing Urethane Coating ..... Note: Includes water blasting, primer, basecoat, and topcoat. Pecora Deck.	2.43	
07 18 13 00-0010	SF		Seal Painting Exposed Metal..... Note: Thortex Poly-nox. Two coats at minimum 13 mil thickness each.	1.39	

**07 19 Water Repellents** (07 10)**07 19 13 Acrylic Sealer** (07 19)

Note: Per coat.

07 19 13 00-0001	SF		Acrylic Sealer, Spray On Concrete.....	1.19	
07 19 13 00-0002	SF		Acrylic Sealer, Spray On Concrete Block/Brick.....	1.42	
07 19 13 00-0003	SF		Acrylic Sealer, Spray On Stone.....	1.55	

**07 19 16 Silane Water Repellents** (07 19)**07 19 16 00-0001 Silane Concrete Sealer** (07 19 16)

07 19 16 00-0002	SF		Spray On Concrete, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB).....	0.38	
07 19 16 00-0003	SF		Spray On Concrete Block/Brick, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB).....	0.57	

**07 19 16 00-0004 Silane/Siloxane Concrete Sealer** (07 19 16)

07 19 16 00-0005	SF		Spray On Concrete, Solvent Based, Silane/Siloxane Concrete Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40)..... Note: 40% silane, alcohol based.	0.72	
07 19 16 00-0006	SF		Spray On Concrete Block/Brick, Solvent Based, Silane/Siloxane Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40)..... Note: 40% silane, alcohol based.	1.06	
07 19 16 00-0007	SF		Spray On Concrete, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB)..... Note: 200 SF/GAL	0.26	
07 19 16 00-0008	SF		Spray On Concrete Block/Masonry, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB).....	0.39	

**07 20 Thermal Protection** (07)**07 21 Thermal Insulation** (07 20)**07 21 13 Board Insulation** (07 21)

Note: Types are stock sizes, mastic applied.

**07 21 13 13 Foam Board Insulation** (07 21 13)**07 21 13 13-0001 Cold Adhesive Applied Foam Board Insulation** (07 21 13 13)**07 21 13 13-0002 Cold Adhesive Applied, Foam Glass (Cellular Glass), Foam Board**

Insulation (07 21 13 13-0001)

07 21 13 13-0003	SF		1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied..... <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i>	2.29	0.13
				-0.02	
				0.05	
07 21 13 13-0004	SF		1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied..... <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i>	3.30	0.14
				-0.02	
				0.05	
07 21 13 13-0005	SF		2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied..... <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i>	3.97	0.14
				-0.02	
				0.05	
07 21 13 13-0006	SF		2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied..... <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i>	5.30	0.14
				-0.02	
				0.05	

**07 21 13 13-0007 Cold Adhesive Applied, Expanded Polystyrene, Foam Board Insulation** (07 21 13 13-0001)

07 21 13 13-0008	SF		3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied..... <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i>	0.87	0.13
				-0.02	
				0.05	
07 21 13 13-0009	SF		1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied..... <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i>	0.93	0.13
				-0.02	
				0.05	
07 21 13 13-0010	SF		3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied..... <i>For Horizontal Surface Application, Deduct</i> <i>For Vapor Barrier, Integral With Insulation, Add</i>	1.09	0.13
				-0.02	
				0.05	



**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0011	SF	1"	Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	1.25	0.13
			<i>For Horizontal Surface Application, Deduct</i>	-0.02	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0012	SF	2"	Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	1.90	0.14
			<i>For Horizontal Surface Application, Deduct</i>	-0.02	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0013	SF	3"	Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	2.55	0.14
			<i>For Horizontal Surface Application, Deduct</i>	-0.02	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0014	SF	4"	Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	3.20	0.14
			<i>For Horizontal Surface Application, Deduct</i>	-0.02	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0015	SF	5"	Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	3.85	0.15
			<i>For Horizontal Surface Application, Deduct</i>	-0.03	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0016	SF	6"	Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied.....	4.49	0.15
			<i>For Horizontal Surface Application, Deduct</i>	-0.03	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
07 21 13 13-0017			<b>Cold Adhesive Applied, Extruded Polystyrene, Foam Board Insulation</b> (07 21 13 13-0001)		
			Note: 15 PSI compressive strength.		
07 21 13 13-0018	SF	3/8"	Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	1.02	0.13
			<i>For Horizontal Surface Application, Deduct</i>	-0.02	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.13	
			<i>For 40 PSI Compressive Strength, Add</i>	0.30	
			<i>For 60 PSI Compressive Strength, Add</i>	0.48	
			<i>For 115 PSI Compressive Strength, Add</i>	2.08	
07 21 13 13-0019	SF	1/2"	Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	1.23	0.13
			<i>For Horizontal Surface Application, Deduct</i>	-0.02	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.16	
			<i>For 40 PSI Compressive Strength, Add</i>	0.38	
			<i>For 60 PSI Compressive Strength, Add</i>	0.60	
			<i>For 115 PSI Compressive Strength, Add</i>	2.62	
07 21 13 13-0020	SF	3/4"	Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	1.40	0.13
			<i>For Horizontal Surface Application, Deduct</i>	-0.02	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.19	
			<i>For 40 PSI Compressive Strength, Add</i>	0.45	
			<i>For 60 PSI Compressive Strength, Add</i>	0.70	
			<i>For 115 PSI Compressive Strength, Add</i>	3.05	
07 21 13 13-0021	SF	1"	Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	1.49	0.13
			<i>For Horizontal Surface Application, Deduct</i>	-0.02	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.20	
			<i>For 40 PSI Compressive Strength, Add</i>	0.48	
			<i>For 60 PSI Compressive Strength, Add</i>	0.75	
			<i>For 115 PSI Compressive Strength, Add</i>	3.29	
07 21 13 13-0022	SF	2"	Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	2.37	0.14
			<i>For Horizontal Surface Application, Deduct</i>	-0.02	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.34	
			<i>For 40 PSI Compressive Strength, Add</i>	0.81	
			<i>For 60 PSI Compressive Strength, Add</i>	1.25	
			<i>For 115 PSI Compressive Strength, Add</i>	5.52	
07 21 13 13-0023	SF	3"	Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	3.25	0.14
			<i>For Horizontal Surface Application, Deduct</i>	-0.02	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.48	
			<i>For 40 PSI Compressive Strength, Add</i>	1.15	
			<i>For 60 PSI Compressive Strength, Add</i>	1.76	
			<i>For 115 PSI Compressive Strength, Add</i>	7.78	
07 21 13 13-0024	SF	4"	Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	3.70	0.14
			<i>For Horizontal Surface Application, Deduct</i>	-0.02	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.55	
			<i>For 40 PSI Compressive Strength, Add</i>	1.31	
			<i>For 60 PSI Compressive Strength, Add</i>	2.02	
			<i>For 115 PSI Compressive Strength, Add</i>	8.92	
07 21 13 13-0025			<b>Mechanically Fastened Foam Board Insulation</b> (07 21 13 13)		
			Note: Mechanically fastened to wood or steel.		
07 21 13 13-0026			<b>Mechanically Fastened, Foam Glass (Cellular Glass), Foam Board Insulation</b> (07 21 13 13-0025)		
			Note: Mechanically fastened to wood or steel.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0027 SF 1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened.....2.11		0.13
<i>For Horizontal Surface Application, Deduct</i>	-0.02	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.70	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.31	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	0.94	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.47	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.42	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	
07 21 13 13-0028 SF 1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened.....3.15		0.14
<i>For Horizontal Surface Application, Deduct</i>	-0.02	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.72	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.88	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.38	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	0.96	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.58	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.45	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	
07 21 13 13-0029 SF 2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened.....3.82		0.14
<i>For Horizontal Surface Application, Deduct</i>	-0.02	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.72	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.88	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.38	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	0.96	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.58	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.45	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.71	
07 21 13 13-0030 SF 2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened.....5.20		0.14
<i>For Horizontal Surface Application, Deduct</i>	-0.02	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.74	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.92	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.44	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.02	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.20	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.66	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.55	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.82	
<b>07 21 13 13-0031 Mechanically Fastened, Expanded Polystyrene, Foam Board Insulation (07 21 13 13-0025)</b>		
07 21 13 13-0032 SF 3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Mechanically Fastened.....0.68		0.13
<i>For Horizontal Surface Application, Deduct</i>	-0.02	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.70	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.31	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	0.94	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.47	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.42	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	
07 21 13 13-0033 SF 1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Mechanically Fastened.....0.75		0.13
<i>For Horizontal Surface Application, Deduct</i>	-0.02	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.70	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.31	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	0.94	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.47	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.42	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	
07 21 13 13-0034 SF 3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Mechanically Fastened.....0.91		0.13
<i>For Horizontal Surface Application, Deduct</i>	-0.02	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.70	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.31	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	0.94	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.47	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.42	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 21 13 13-0035	SF	1"	Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Mechanically Fastened	1.07	0.13
			<i>For Horizontal Surface Application, Deduct</i>	-0.02	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.70	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.91	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.31	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	0.94	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.47	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.42	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	
07 21 13 13-0036	SF	2"	Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Mechanically Fastened	1.76	0.14
			<i>For Horizontal Surface Application, Deduct</i>	-0.02	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.72	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.88	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.38	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	0.96	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.13	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.58	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.45	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.71	
07 21 13 13-0037	SF	3"	Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Mechanically Fastened	2.44	0.14
			<i>For Horizontal Surface Application, Deduct</i>	-0.02	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.74	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.92	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.44	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.02	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.20	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.66	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.55	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.82	
07 21 13 13-0038	SF	4"	Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Mechanically Fastened	3.15	0.14
			<i>For Horizontal Surface Application, Deduct</i>	-0.02	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.77	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.93	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.52	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.12	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.28	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.68	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.92	
07 21 13 13-0039	SF	5"	Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Mechanically Fastened	3.88	0.15
			<i>For Horizontal Surface Application, Deduct</i>	-0.03	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.79	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.08	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.21	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.34	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	3.53	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.82	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.01	
07 21 13 13-0040	SF	6"	Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Mechanically Fastened	4.79	0.15
			<i>For Horizontal Surface Application, Deduct</i>	-0.03	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.81	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.77	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.90	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.50	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.44	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.34	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.25	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.17	
07 21 13 13-0041			Mechanically Fastened, Extruded Polystyrene, Foam Board Insulation <small>(07 21 13 13-0025)</small>		
			Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.		
07 21 13 13-0042	SF	3/8"	Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	0.84	0.13
			<i>For Horizontal Surface Application, Deduct</i>	-0.02	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.10	
			<i>For 40 PSI Compressive Strength, Add</i>	0.24	
			<i>For 60 PSI Compressive Strength, Add</i>	0.37	
			<i>For 115 PSI Compressive Strength, Add</i>	1.62	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.70	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.91	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.31	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	0.94	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.47	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.42	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0043 SF 1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened.....	1.05	0.13
For Horizontal Surface Application, Deduct	-0.02	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For 25 PSI Compressive Strength, Add	0.13	
For 40 PSI Compressive Strength, Add	0.32	
For 60 PSI Compressive Strength, Add	0.49	
For 115 PSI Compressive Strength, Add	2.16	
For Mechanically Fastened To Concrete, Add	0.70	
For Mechanically Fastened To Gypsum, Add	0.91	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.31	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	0.94	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.12	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.47	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	1.42	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	1.69	
07 21 13 13-0044 SF 3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened.....	1.21	0.13
For Horizontal Surface Application, Deduct	-0.02	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For 25 PSI Compressive Strength, Add	0.16	
For 40 PSI Compressive Strength, Add	0.38	
For 60 PSI Compressive Strength, Add	0.59	
For 115 PSI Compressive Strength, Add	2.57	
For Mechanically Fastened To Concrete, Add	0.70	
For Mechanically Fastened To Gypsum, Add	0.91	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.31	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	0.94	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.12	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.47	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	1.42	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	1.69	
07 21 13 13-0045 SF 1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened.....	1.30	0.13
For Horizontal Surface Application, Deduct	-0.02	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For 25 PSI Compressive Strength, Add	0.17	
For 40 PSI Compressive Strength, Add	0.41	
For 60 PSI Compressive Strength, Add	0.64	
For 115 PSI Compressive Strength, Add	2.80	
For Mechanically Fastened To Concrete, Add	0.70	
For Mechanically Fastened To Gypsum, Add	0.91	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.31	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	0.94	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.12	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.47	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	1.42	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	1.69	
07 21 13 13-0046 SF 2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened.....	2.23	0.14
For Horizontal Surface Application, Deduct	-0.02	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For 25 PSI Compressive Strength, Add	0.32	
For 40 PSI Compressive Strength, Add	0.76	
For 60 PSI Compressive Strength, Add	1.17	
For 115 PSI Compressive Strength, Add	5.16	
For Mechanically Fastened To Concrete, Add	0.72	
For Mechanically Fastened To Gypsum, Add	0.88	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.38	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	0.96	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.13	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.58	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	1.45	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	1.71	
07 21 13 13-0047 SF 3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened.....	3.15	0.14
For Horizontal Surface Application, Deduct	-0.02	
For Vapor Barrier, Integral With Insulation, Add	0.05	
For 25 PSI Compressive Strength, Add	0.47	
For 40 PSI Compressive Strength, Add	1.11	
For 60 PSI Compressive Strength, Add	1.71	
For 115 PSI Compressive Strength, Add	7.53	
For Mechanically Fastened To Concrete, Add	0.74	
For Mechanically Fastened To Gypsum, Add	0.92	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.44	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.02	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.20	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.66	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	1.55	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	1.82	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0048	SF		4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened.....	3.66	0.14
			<i>For Horizontal Surface Application, Deduct</i>	-0.02	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For 25 PSI Compressive Strength, Add</i>	0.55	
			<i>For 40 PSI Compressive Strength, Add</i>	1.30	
			<i>For 60 PSI Compressive Strength, Add</i>	2.00	
			<i>For 115 PSI Compressive Strength, Add</i>	8.81	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.77	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.93	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.52	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.12	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.28	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.68	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.92	
<b>07 21 13 16</b>			<b>Fibrous Board Insulation (07 21 13)</b>		
07 21 13 16-0001			Cold Adhesive Applied Fibrous Board Insulation (07 21 13 16)		
07 21 13 16-0002			Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation (07 21 13 16-0001)		
07 21 13 16-0003	SF		1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied.....	1.33	0.17
			<i>For Horizontal Surface Application, Deduct</i>	-0.03	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0004	SF		2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied.....	2.04	0.20
			<i>For Horizontal Surface Application, Deduct</i>	-0.03	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0005	SF		3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied.....	2.75	0.23
			<i>For Horizontal Surface Application, Deduct</i>	-0.04	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0006			Cold Adhesive Applied, Fiberglass, Fibrous Board Insulation (07 21 13 16-0001)		
07 21 13 16-0007	SF		1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied.....	2.67	0.13
			<i>For Horizontal Surface Application, Deduct</i>	-0.02	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0008	SF		1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied.....	3.02	0.14
			<i>For Horizontal Surface Application, Deduct</i>	-0.02	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0009	SF		2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied.....	3.77	0.14
			<i>For Horizontal Surface Application, Deduct</i>	-0.02	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0010	SF		2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied.....	4.38	0.14
			<i>For Horizontal Surface Application, Deduct</i>	-0.02	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0011	SF		3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied.....	4.98	0.14
			<i>For Horizontal Surface Application, Deduct</i>	-0.02	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 16-0012			Mechanically Fastened Fibrous Board Insulation (07 21 13 16) Note: Mechanically fastened to wood or steel.		
07 21 13 16-0013			Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation (07 21 13 16-0012) Note: Mechanically fastened to wood or steel.		
07 21 13 16-0014	SF		1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened.....	1.14	0.17
			<i>For Horizontal Surface Application, Deduct</i>	-0.03	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.70	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.91	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.31	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	0.94	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.47	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.42	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0015 SF 2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened.....	1.89	0.20
<i>For Horizontal Surface Application, Deduct</i>	-0.03	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	0.72	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.88	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.38	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	0.96	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.13	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.58	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.45	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.71	
07 21 13 16-0016 SF 3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened.....	2.64	0.23
<i>For Horizontal Surface Application, Deduct</i>	-0.04	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	0.74	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.92	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.44	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.02	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.20	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.66	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.55	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.82	
<b>07 21 13 16-0017 Mechanically Fastened, Fiberglass, Fibrous Board Insulation (07 21 13 16-0012)</b>		
Note: Mechanically fastened to wood or steel.		
07 21 13 16-0018 SF 1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	2.49	0.13
<i>For Horizontal Surface Application, Deduct</i>	-0.02	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	0.70	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.31	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	0.94	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.47	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.42	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	
07 21 13 16-0019 SF 1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened .....	2.88	0.14
<i>For Horizontal Surface Application, Deduct</i>	-0.02	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	0.72	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.88	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.38	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	0.96	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.58	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.45	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	
07 21 13 16-0020 SF 2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	3.62	0.14
<i>For Horizontal Surface Application, Deduct</i>	-0.02	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	0.72	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.88	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.38	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	0.96	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.13	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.58	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.45	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.71	
07 21 13 16-0021 SF 2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened .....	4.27	0.14
<i>For Horizontal Surface Application, Deduct</i>	-0.02	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	0.74	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.44	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.02	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.66	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.55	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.90	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.18	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.79	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0022	SF		3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	4.87	0.14
			<i>For Horizontal Surface Application, Deduct</i>	-0.02	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.74	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.92	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.44	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.02	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.20	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.66	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.55	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.82	
<b>07 21 13 19</b>			<b>Mineral Board Insulation</b> (07 21 13)		
07 21 13 19-0001			Cold Adhesive Applied Mineral Board Insulation (07 21 13 19)		
07 21 13 19-0002			Cold Adhesive Applied, High-Density Fiberboard, Mineral Board Insulation		
			(07 21 13 19-0001)		
07 21 13 19-0003	SF		1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied .....	0.96	0.15
			<i>For Horizontal Surface Application, Deduct</i>	-0.03	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0004	SF		25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied .....	1.19	0.16
			<i>For Horizontal Surface Application, Deduct</i>	-0.03	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0005	SF		1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied .....	1.41	0.17
			<i>For Horizontal Surface Application, Deduct</i>	-0.03	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0006	SF		1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied .....	1.81	0.18
			<i>For Horizontal Surface Application, Deduct</i>	-0.03	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0007	SF		2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied .....	2.19	0.20
			<i>For Horizontal Surface Application, Deduct</i>	-0.03	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0008	SF		3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied .....	2.99	0.23
			<i>For Horizontal Surface Application, Deduct</i>	-0.04	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0009			Mechanically Fastened Mineral Board Insulation (07 21 13 19)		
			Note: Mechanically fastened to wood or steel.		
07 21 13 19-0010			Mechanically Fastened, High-Density Fiberboard, Mineral Board Insulation		
			(07 21 13 19-0009)		
			Note: Mechanically fastened to wood or steel.		
07 21 13 19-0011	SF		1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	0.78	0.15
			<i>For Horizontal Surface Application, Deduct</i>	-0.03	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.70	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.91	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.31	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	0.94	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.47	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.42	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	
07 21 13 19-0012	SF		25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	1.01	0.16
			<i>For Horizontal Surface Application, Deduct</i>	-0.03	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.70	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.91	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.31	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	0.94	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.47	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.42	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	
07 21 13 19-0013	SF		1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	1.22	0.17
			<i>For Horizontal Surface Application, Deduct</i>	-0.03	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.70	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.91	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.31	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	0.94	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.47	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.42	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 19-0014 SF 1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened .....	1.66	0.18
<i>For Horizontal Surface Application, Deduct</i>	-0.03	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	0.72	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.88	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.38	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	0.96	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.58	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.45	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	
07 21 13 19-0015 SF 2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	2.05	0.20
<i>For Horizontal Surface Application, Deduct</i>	-0.03	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	0.72	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.88	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.38	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	0.96	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.13	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.58	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.45	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.71	
07 21 13 19-0016 SF 3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	2.88	0.23
<i>For Horizontal Surface Application, Deduct</i>	-0.04	
<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
<i>For Factory Painted On One Surface Add</i>	0.17	
<i>For Mechanically Fastened To Concrete, Add</i>	0.74	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.92	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.44	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.02	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.20	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.66	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.55	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.82	
<b>07 21 16 Blanket Insulation (07 21)</b>		
Note: All insulation rolls or batts applied to wood or steel studs or between rafters or between metal building "skin" and framing.		
07 21 16 00-0001 Fiberglass Flexible Insulation (07 21 16)		
Note: Rolls or batts.		
07 21 16 00-0002 Kraft Faced, Fiberglass Flexible Insulation (07 21 16 00-0001)		
07 21 16 00-0003 SF 3-1/2" Thick, Kraft Faced, R-11 Fiberglass Flexible Insulation .....	0.90	0.25
<i>For &gt;1,600, Deduct</i>	-0.09	
07 21 16 00-0004 SF 3-1/2" Thick, Kraft Faced, R-13 Fiberglass Flexible Insulation .....	0.99	0.25
<i>For &gt;1,600, Deduct</i>	-0.10	
07 21 16 00-0005 SF 3-1/2" Thick, Kraft Faced, R-15 Fiberglass Flexible Insulation .....	1.02	0.25
<i>For &gt;1,600, Deduct</i>	-0.11	
07 21 16 00-0006 SF 5-1/2" Thick, Kraft Faced, R-21 Fiberglass Flexible Insulation .....	1.39	0.25
<i>For &gt;1,600, Deduct</i>	-0.16	
07 21 16 00-0007 SF 6-1/4" Thick, Kraft Faced, R-19 Fiberglass Flexible Insulation .....	1.11	0.25
<i>For &gt;1,600, Deduct</i>	-0.12	
07 21 16 00-0008 SF 9-1/2" Thick, Kraft Faced, R-30 Fiberglass Flexible Insulation .....	1.76	0.31
<i>For &gt;1,600, Deduct</i>	-0.19	
07 21 16 00-0009 SF 12" Thick, Kraft Faced, R-38 Fiberglass Flexible Insulation.....	1.88	0.31
<i>For &gt;1,600, Deduct</i>	-0.21	
07 21 16 00-0010 Unfaced, Fiberglass Flexible Insulation (07 21 16 00-0001)		
07 21 16 00-0011 SF 3-1/2" Thick, Unfaced, R-11 Fiberglass Flexible Insulation.....	0.85	0.25
<i>For &gt;1,600, Deduct</i>	-0.08	
07 21 16 00-0012 SF 3-1/2" Thick, Unfaced, R-13 Fiberglass Flexible Insulation.....	0.94	0.25
<i>For &gt;1,600, Deduct</i>	-0.09	
07 21 16 00-0013 SF 3-1/2" Thick, Unfaced, R-15 Fiberglass Flexible Insulation.....	1.31	0.25
<i>For &gt;1,600, Deduct</i>	-0.15	
07 21 16 00-0014 SF 5-1/2" Thick, Unfaced, R-21 Fiberglass Flexible Insulation.....	1.32	0.25
<i>For &gt;1,600, Deduct</i>	-0.15	
07 21 16 00-0015 SF 6-1/4" Thick, Unfaced, R-19 Fiberglass Flexible Insulation.....	1.07	0.25
<i>For &gt;1,600, Deduct</i>	-0.11	
07 21 16 00-0016 SF 9-1/2" Thick, Unfaced, R-30 Fiberglass Flexible Insulation.....	1.64	0.31
<i>For &gt;1,600, Deduct</i>	-0.18	
07 21 16 00-0017 SF 12" Thick, Unfaced, R-38 Fiberglass Flexible Insulation.....	1.81	0.31
<i>For &gt;1,600, Deduct</i>	-0.20	
07 21 16 00-0018 Foil Faced, Fiberglass Flexible Insulation (07 21 16 00-0001)		
07 21 16 00-0019 SF 3-1/2" Thick, Foil Faced, R-11 Fiberglass Flexible Insulation .....	1.06	0.25
<i>For &gt;1,600, Deduct</i>	-0.11	
07 21 16 00-0020 SF 3-1/2" Thick, Foil Faced, R-13 Fiberglass Flexible Insulation .....	1.20	0.25
<i>For &gt;1,600, Deduct</i>	-0.13	
07 21 16 00-0021 SF 6-1/4" Thick, Foil Faced, R-19 Fiberglass Flexible Insulation .....	1.31	0.25
<i>For &gt;1,600, Deduct</i>	-0.15	



**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 16 00-0022	SF		10-1/4" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation .....	1.98	0.31
			<i>For &gt;1,600, Deduct</i>	-0.23	
07 21 16 00-0023	SF		12" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation.....	2.15	0.31
			<i>For &gt;1,600, Deduct</i>	-0.25	
<b>07 21 16 00-0024</b>			<b>Poly-Encapsulated, Fiberglass Flexible Insulation (0721 16 00-0001)</b>		
07 21 16 00-0025	SF		3-1/2" Thick, Poly-Encapsulated, R-11 Fiberglass Flexible Insulation .....	0.93	0.25
			<i>For &gt;1,600, Deduct</i>	-0.09	
07 21 16 00-0026	SF		3-1/2" Thick, Poly-Encapsulated, R-13 Fiberglass Flexible Insulation .....	1.02	0.25
			<i>For &gt;1,600, Deduct</i>	-0.11	
07 21 16 00-0027	SF		5-1/2" Thick, Poly-Encapsulated, R-21 Fiberglass Flexible Insulation .....	1.44	0.25
			<i>For &gt;1,600, Deduct</i>	-0.17	
07 21 16 00-0028	SF		6-1/2" Thick, Poly-Encapsulated, R-19 Fiberglass Flexible Insulation .....	1.13	0.25
			<i>For &gt;1,600, Deduct</i>	-0.12	
07 21 16 00-0029	SF		8-1/4" Thick, Poly-Encapsulated, R-25 Fiberglass Flexible Insulation .....	1.76	0.31
			<i>For &gt;1,600, Deduct</i>	-0.19	
07 21 16 00-0030	SF		10-1/4" Thick, Poly-Encapsulated, R-30 Fiberglass Flexible Insulation .....	1.81	0.31
			<i>For &gt;1,600, Deduct</i>	-0.20	
<b>07 21 16 00-0031</b>			<b>Mineral Wool Flexible Insulation (0721 16)</b>		
<b>07 21 16 00-0032</b>			<b>Kraft Faced, Mineral Wool Flexible Insulation (0721 16 00-0031)</b>		
07 21 16 00-0033	SF		3-1/2" Kraft Faced, R-11 Mineral Wool Flexible Insulation.....	1.03	0.25
			<i>For &gt;1,600, Deduct</i>	-0.11	
07 21 16 00-0034	SF		6-1/4" Kraft Faced, R-19 Mineral Wool Flexible Insulation.....	1.40	0.25
			<i>For &gt;1,600, Deduct</i>	-0.16	
07 21 16 00-0035	SF		9-1/2" Kraft Faced, R-30 Mineral Wool Flexible Insulation.....	2.31	0.25
			<i>For &gt;1,600, Deduct</i>	-0.28	
07 21 16 00-0036	SF		12" Kraft Faced, R-38 Mineral Wool Flexible Insulation.....	2.66	0.25
			<i>For &gt;1,600, Deduct</i>	-0.34	
<b>07 21 16 00-0037</b>			<b>Unfaced, Mineral Wool Flexible Insulation (0721 16 00-0031)</b>		
07 21 16 00-0038	SF		3-1/2" Unfaced, R-11 Mineral Wool Flexible Insulation.....	0.95	0.25
			<i>For &gt;1,600, Deduct</i>	-0.09	
07 21 16 00-0039	SF		6-1/4" Unfaced, R-19 Mineral Wool Flexible Insulation.....	1.27	0.25
			<i>For &gt;1,600, Deduct</i>	-0.14	
07 21 16 00-0040	SF		9-1/2" Unfaced, R-30 Mineral Wool Flexible Insulation.....	2.06	0.25
			<i>For &gt;1,600, Deduct</i>	-0.25	
07 21 16 00-0041	SF		12" Unfaced, R-38 Mineral Wool Flexible Insulation.....	2.36	0.25
			<i>For &gt;1,600, Deduct</i>	-0.29	
<b>07 21 16 00-0042</b>			<b>Natural Cotton Insulation (0721 16)</b>		
<b>07 21 16 00-0043</b>			<b>UltraTouch™ Natural Cotton Insulation (0721 16 00-0042)</b>		
			Note: 85% recycled denim cotton.		
07 21 16 00-0044	SF		3-1/2", R-13 UltraTouch™ Natural Cotton Insulation .....	1.47	0.25
			<i>For &gt;1,600, Deduct</i>	-0.17	
07 21 16 00-0045	SF		5-1/2", R-19 UltraTouch™ Natural Cotton Insulation .....	1.67	0.25
			<i>For &gt;1,600, Deduct</i>	-0.20	
07 21 16 00-0046	SF		5-1/2", R-21 UltraTouch™ Natural Cotton Insulation .....	1.89	0.25
			<i>For &gt;1,600, Deduct</i>	-0.23	
07 21 16 00-0047	SF		8", R-30 UltraTouch™ Natural Cotton Insulation .....	2.59	0.25
			<i>For &gt;1,600, Deduct</i>	-0.33	
<b>07 21 19</b>			<b>Foamed-In-Place Insulation (0721)</b>		
<b>07 21 19 00-0001</b>			<b>Polyurethane Foam Insulation, Sprayed On (0721 19)</b>		
07 21 19 00-0002	SF		1" Thick, R3.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	0.66	
07 21 19 00-0003	SF		2" Thick, R7.6, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	1.16	
07 21 19 00-0004	SF		3" Thick, R11.4, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	1.67	
07 21 19 00-0005	SF		4" Thick, R15.2, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	2.18	
07 21 19 00-0006	SF		5" Thick, R19.0, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	2.67	
07 21 19 00-0007	SF		6" Thick, R22.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	3.18	
07 21 19 00-0008	SF		1" Thick, R6.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation .....	1.28	
07 21 19 00-0009	SF		2" Thick, R13.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation .....	2.18	
07 21 19 00-0010	SF		3" Thick, R19.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation .....	3.06	
07 21 19 00-0011	SF		4" Thick, R26.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation .....	3.94	
07 21 19 00-0012	SF		5" Thick, R32.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation .....	4.84	
07 21 19 00-0013	SF		6" Thick, R39.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation .....	5.73	
<b>07 21 23</b>			<b>Loose-Fill Insulation (0721)</b>		
<b>07 21 23 00-0001</b>			<b>Poured Type, Loose Fill Insulation (0721 23)</b>		
07 21 23 00-0002	CF		R-3.5/Inch, Poured Type, Fiberglass Loose Fill Insulation.....	3.88	1.42
07 21 23 00-0003	CF		R-3.7/Inch, Poured Type, Cellulose Loose Fill Insulation.....	4.25	1.42



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>07 21 23 00-0004</b>				<b>Concrete Block Wall Cavity Insulation</b> (07 21 23)		
	07 21 23 00-0005	CF		R-2.7, Vermiculite Or Perlite, Concrete Block Wall Cavity Insulation.....	5.85	1.42
	07 21 23 00-0006	CF		R-4, Polystyrene Foam, Concrete Block Wall Cavity Insulation.....	5.79	1.42
<b>07 21 26</b>				<b>Blown Insulation</b> (07 21)		
<b>07 21 26 00-0001</b>				<b>Fiberglass Blown-In Insulation</b> (07 21 26)		
<b>07 21 26 00-0002</b>				<b>Attic, Fiberglass Blown-In Insulation</b> (07 21 26 00-0001)		
	07 21 26 00-0003	SF		3-3/4" Thick, R-13 Attic, Fiberglass Blown In Insulation.....	0.88	0.62
	07 21 26 00-0004	SF		6-1/4" Thick, R-19 Attic, Fiberglass Blown In Insulation.....	1.13	0.74
	07 21 26 00-0005	SF		7-1/4" Thick, R-22 Attic, Fiberglass Blown In Insulation.....	1.25	0.80
	07 21 26 00-0006	SF		10-1/4" Thick, R-30 Attic, Fiberglass Blown In Insulation.....	1.49	0.86
	07 21 26 00-0007	SF		12-3/4" Thick, R-38 Attic, Fiberglass Blown In Insulation.....	1.72	0.92
	07 21 26 00-0008	SF		13-1/2" Thick, R-40 Attic, Fiberglass Blown In Insulation.....	1.88	0.98
	07 21 26 00-0009	SF		14-3/4" Thick, R-44 Attic, Fiberglass Blown In Insulation.....	1.93	0.98
	07 21 26 00-0010	SF		16-1/2" Thick, R-49 Attic, Fiberglass Blown In Insulation.....	2.04	0.98
	07 21 26 00-0011	SF		19" Thick, R-56 Attic, Fiberglass Blown In Insulation.....	2.29	0.98
	07 21 26 00-0012	SF		21" Thick, R-60 Attic, Fiberglass Blown In Insulation.....	2.30	0.98
<b>07 21 26 00-0013</b>				<b>New Wall, Fiberglass Blown-In Insulation</b> (07 21 26 00-0001)		
	07 21 26 00-0014	SF		3-1/2" Thick, R-15 New Wall, Fiberglass Blown In Insulation.....	1.34	0.62
	07 21 26 00-0015	SF		5-1/2" Thick, R-23 New Wall, Fiberglass Blown In Insulation.....	1.81	0.74
	07 21 26 00-0016	SF		7-1/4" Thick, R-31 New Wall, Fiberglass Blown In Insulation.....	2.18	0.80
	07 21 26 00-0017	SF		9-1/4" Thick, R-39 New Wall, Fiberglass Blown In Insulation.....	2.63	0.86
<b>07 21 26 00-0018</b>				<b>Existing Wall, Fiberglass Blown-In Insulation</b> (07 21 26 00-0001)		
				Note: Includes drilling. Excludes patching.		
	07 21 26 00-0019	SF		3-1/2" Thick, R-15 Existing Wall, Fiberglass Blown In Insulation.....	1.26	0.62
	07 21 26 00-0020	SF		5-1/2" Thick, R-23 Existing Wall, Fiberglass Blown In Insulation.....	1.73	0.74
	07 21 26 00-0021	SF		7-1/4" Thick, R-31 Existing Wall, Fiberglass Blown In Insulation.....	2.10	0.80
	07 21 26 00-0022	SF		9-1/4" Thick, R-39 Existing Wall, Fiberglass Blown In Insulation.....	2.55	0.86
<b>07 21 26 00-0023</b>				<b>Cellulose Blown-In Insulation</b> (07 21 26)		
<b>07 21 26 00-0024</b>				<b>Attic, Cellulose Blown-In Insulation</b> (07 21 26 00-0023)		
	07 21 26 00-0025	SF		3-3/4" Thick, R-13 Attic, Cellulose Blown In Insulation.....	0.90	0.62
	07 21 26 00-0026	SF		5-1/2" Thick, R-19 Attic, Cellulose Blown In Insulation.....	1.10	0.67
	07 21 26 00-0027	SF		6-1/4" Thick, R-22 Attic, Cellulose Blown In Insulation.....	1.24	0.74
	07 21 26 00-0028	SF		7-3/4" Thick, R-28 Attic, Cellulose Blown In Insulation.....	1.47	0.80
	07 21 26 00-0029	SF		8-1/2" Thick, R-30 Attic, Cellulose Blown In Insulation.....	1.51	0.80
	07 21 26 00-0030	SF		10-1/2" Thick, R-38 Attic, Cellulose Blown In Insulation.....	1.79	0.86
	07 21 26 00-0031	SF		11" Thick, R-40 Attic, Cellulose Blown In Insulation.....	1.85	0.86
	07 21 26 00-0032	SF		13-3/4" Thick, R-50 Attic, Cellulose Blown In Insulation.....	2.19	0.92
	07 21 26 00-0033	SF		16-1/2" Thick, R-60 Attic, Cellulose Blown In Insulation.....	2.53	0.98
<b>07 21 26 00-0034</b>				<b>New Wall, Cellulose Blown-In Insulation</b> (07 21 26 00-0023)		
	07 21 26 00-0035	SF		3-1/2" Thick, R-13 New Wall, Cellulose Blown In Insulation.....	1.30	0.62
	07 21 26 00-0036	SF		5-1/2" Thick, R-20 New Wall, Cellulose Blown In Insulation.....	1.76	0.74
	07 21 26 00-0037	SF		7-1/4" Thick, R-27 New Wall, Cellulose Blown In Insulation.....	2.10	0.80
	07 21 26 00-0038	SF		9-1/4" Thick, R-34 New Wall, Cellulose Blown In Insulation.....	2.52	0.86
<b>07 21 26 00-0039</b>				<b>Existing Wall, Cellulose Blown-In Insulation</b> (07 21 26 00-0023)		
				Note: Includes drilling. Excludes patching.		
	07 21 26 00-0040	SF		3-1/2" Thick, R-13 Existing Wall, Cellulose Blown In Insulation.....	1.22	0.62
	07 21 26 00-0041	SF		5-1/2" Thick, R-20 Existing Wall, Cellulose Blown In Insulation.....	1.68	0.74
	07 21 26 00-0042	SF		7-1/4" Thick, R-27 Existing Wall, Cellulose Blown In Insulation.....	2.02	0.80
	07 21 26 00-0043	SF		9-1/4" Thick, R-34 Existing Wall, Cellulose Blown In Insulation.....	2.44	0.86
<b>07 21 29</b>				<b>Sprayed Insulation</b> (07 21)		
<b>07 21 29 00-0001</b>				<b>Fiber Sprayed On Insulation</b> (07 21 29)		
	07 21 29 00-0002	SF		1" Spray, R2.7 Perlite Insulation.....	1.35	0.31
	07 21 29 00-0003	SF		1" Spray, R3.7 Fibrous/Cementitious Insulation.....	0.97	0.31
<b>07 21 29 00-0004</b>				<b>Cellulose Sprayed On Insulation</b> (07 21 29)		
	07 21 29 00-0005	SF		1" Thick - Cellulose Spray-on Insulation.....	2.08	0.31
<b>07 21 53</b>				<b>Reflective Insulation</b> (07 21)		
<b>07 21 53 00-0001</b>				<b>Reflective Barrier Insulation (Foil - Single Bubble - Foil)</b> (07 21 53)		

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 53 00-0002 SF 3/16" Nominal Thickness, Reflective Barrier Insulation, With Single Bubble Air Space .....	0.64	
<b>07 22 Roof And Deck Insulation</b> <small>(07 20)</small>		
<b>07 22 16 Roof Board Insulation</b> <small>(07 22)</small>		
Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified alternate attachment.		
07 22 16 00-0001 Rigid Board Roofing Insulation <small>(07 22 16)</small>		
Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements.		
07 22 16 00-0002 Cold Adhesive Applied Rigid Board Roofing Insulation <small>(07 22 16 00-0001)</small>		
07 22 16 00-0003 Cold Adhesive Applied, High-Density Fiberboard, Roof Board Insulation <small>(07 22 16 00-0002)</small>		
07 22 16 00-0004 SF 1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied .....	1.28	
07 22 16 00-0005 SF 25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied .....	1.52	
07 22 16 00-0006 SF 1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied .....	1.76	
07 22 16 00-0007 SF 1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied .....	2.19	
07 22 16 00-0008 SF 2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied .....	2.61	
07 22 16 00-0009 Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation <small>(07 22 16 00-0002)</small>		
07 22 16 00-0010 SF 1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied .....	1.36	
07 22 16 00-0011 SF 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied .....	1.68	
07 22 16 00-0012 Cold Adhesive Applied, Perlite, Roof Board Insulation <small>(07 22 16 00-0002)</small>		
07 22 16 00-0013 SF 1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied .....	1.27	
07 22 16 00-0014 SF 1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied .....	1.27	
07 22 16 00-0015 SF 3/4" Thick, R2.08, Perlite, Roof Board Insulation, Cold Adhesive Applied .....	1.41	
07 22 16 00-0016 SF 1" Thick, R2.78, Perlite, Roof Board Insulation, Cold Adhesive Applied .....	1.59	
07 22 16 00-0017 SF 1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Cold Adhesive Applied .....	2.03	
07 22 16 00-0018 SF 2" Thick, R5.56, Perlite, Roof Board Insulation, Cold Adhesive Applied .....	2.31	
07 22 16 00-0019 Cold Adhesive Applied, Basalt Mineral Wool, Roof Board Insulation <small>(07 22 16 00-0002)</small>		
07 22 16 00-0020 SF 1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied .....	1.83	
07 22 16 00-0021 SF 2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied .....	2.53	
07 22 16 00-0022 SF 3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied .....	3.35	
07 22 16 00-0023 Cold Adhesive Applied, Foam Glass (Cellular Glass), Roof Board Insulation <small>(07 22 16 00-0002)</small>		
07 22 16 00-0024 SF 1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied .....	3.58	
07 22 16 00-0025 SF 2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied .....	4.26	
07 22 16 00-0026 SF 2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied .....	5.60	
07 22 16 00-0027 SF 3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied .....	6.95	
07 22 16 00-0028 Cold Adhesive Applied, Molded Expanded Polystyrene, Roof Board Insulation <small>(07 22 16 00-0002)</small>		
07 22 16 00-0029 SF 3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied .....	1.02	
For Loose-Laid, Deduct	-0.56	
07 22 16 00-0030 SF 1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied .....	1.08	
For Loose-Laid, Deduct	-0.56	
07 22 16 00-0031 SF 3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied .....	1.24	
For Loose-Laid, Deduct	-0.56	
07 22 16 00-0032 SF 1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied .....	1.40	
For Loose-Laid, Deduct	-0.56	
07 22 16 00-0033 SF 2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied .....	2.05	
For Loose-Laid, Deduct	-0.56	
07 22 16 00-0034 SF 3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied .....	2.71	
For Loose-Laid, Deduct	-0.57	
07 22 16 00-0035 SF 4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied .....	3.37	
For Loose-Laid, Deduct	-0.58	
07 22 16 00-0036 SF 5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied .....	4.02	
For Loose-Laid, Deduct	-0.58	
07 22 16 00-0037 SF 6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied .....	4.67	
For Loose-Laid, Deduct	-0.59	
07 22 16 00-0038 Cold Adhesive Applied, Extruded Polystyrene, Roof Board Insulation <small>(07 22 16 00-0002)</small>		
Note: 15 PSI compressive strength.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0039 SF 3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied .....	1.68	
<i>For Loose-Laid, Deduct</i>	-0.62	
<i>For 25 PSI Compressive Strength, Add</i>	0.19	
<i>For 40 PSI Compressive Strength, Add</i>	0.45	
<i>For 60 PSI Compressive Strength, Add</i>	0.71	
<i>For 115 PSI Compressive Strength, Add</i>	3.08	
07 22 16 00-0040 SF 1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied .....	1.77	
<i>For Loose-Laid, Deduct</i>	-0.62	
<i>For 25 PSI Compressive Strength, Add</i>	0.20	
<i>For 40 PSI Compressive Strength, Add</i>	0.48	
<i>For 60 PSI Compressive Strength, Add</i>	0.76	
<i>For 115 PSI Compressive Strength, Add</i>	3.31	
07 22 16 00-0041 SF 1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied .....	2.21	
<i>For Loose-Laid, Deduct</i>	-0.62	
<i>For 25 PSI Compressive Strength, Add</i>	0.27	
<i>For 40 PSI Compressive Strength, Add</i>	0.65	
<i>For 60 PSI Compressive Strength, Add</i>	1.02	
<i>For 100 PSI Compressive Strength, Add</i>	1.31	
<i>For 115 PSI Compressive Strength, Add</i>	4.44	
07 22 16 00-0042 SF 2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied .....	2.66	
<i>For Loose-Laid, Deduct</i>	-0.63	
<i>For 25 PSI Compressive Strength, Add</i>	0.34	
<i>For 40 PSI Compressive Strength, Add</i>	0.81	
<i>For 60 PSI Compressive Strength, Add</i>	1.27	
<i>For 115 PSI Compressive Strength, Add</i>	5.55	
07 22 16 00-0043 SF 2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied .....	3.10	
<i>For Loose-Laid, Deduct</i>	-0.63	
<i>For 25 PSI Compressive Strength, Add</i>	0.41	
<i>For 40 PSI Compressive Strength, Add</i>	0.98	
<i>For 60 PSI Compressive Strength, Add</i>	1.52	
<i>For 100 PSI Compressive Strength, Add</i>	1.96	
<i>For 115 PSI Compressive Strength, Add</i>	6.68	
07 22 16 00-0044 SF 3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied .....	3.55	
<i>For Loose-Laid, Deduct</i>	-0.64	
<i>For 25 PSI Compressive Strength, Add</i>	0.48	
<i>For 40 PSI Compressive Strength, Add</i>	1.15	
<i>For 60 PSI Compressive Strength, Add</i>	1.78	
<i>For 115 PSI Compressive Strength, Add</i>	7.81	
07 22 16 00-0045 SF 4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied .....	4.00	
<i>For Loose-Laid, Deduct</i>	-0.64	
<i>For 25 PSI Compressive Strength, Add</i>	0.55	
<i>For 40 PSI Compressive Strength, Add</i>	1.31	
<i>For 60 PSI Compressive Strength, Add</i>	2.03	
<i>For 115 PSI Compressive Strength, Add</i>	8.95	
<b>07 22 16 00-0046 Cold Adhesive Applied, Polyisocyanurate Board Roofing Insulation</b> <small>(07 22 16 00-0002)</small>		
07 22 16 00-0047 SF 3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied .....	1.49	
<i>For Loose-Laid, Deduct</i>	-0.62	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.10	
07 22 16 00-0048 SF 1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied .....	1.55	
<i>For Loose-Laid, Deduct</i>	-0.62	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.11	
07 22 16 00-0049 SF 1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied .....	1.64	
<i>For Loose-Laid, Deduct</i>	-0.63	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.11	
07 22 16 00-0050 SF 2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied .....	1.90	
<i>For Loose-Laid, Deduct</i>	-0.63	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.14	
07 22 16 00-0051 SF 2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied .....	2.15	
<i>For Loose-Laid, Deduct</i>	-0.63	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.16	
07 22 16 00-0052 SF 3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied .....	2.41	
<i>For Loose-Laid, Deduct</i>	-0.64	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.19	
07 22 16 00-0053 SF 3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied .....	2.68	
<i>For Loose-Laid, Deduct</i>	-0.64	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.22	
07 22 16 00-0054 SF 4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied .....	2.93	
<i>For Loose-Laid, Deduct</i>	-0.64	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.24	
<b>07 22 16 00-0055 Cold Adhesive Applied, High-Density Polyisocyanurate Cover Board And Roofing Insulation</b> <small>(07 22 16 00-0002)</small>		
07 22 16 00-0056 SF 1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Cold Adhesive Applied .....	1.69	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof And Deck Insulation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>07 22 16 00-0057</b>		<b>Cold Adhesive Applied, Gypsum-Fiber, Roof Board Insulation (USG Securock)</b> (07 22 16 00-0002)	
07 22 16 00-0058	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied .....	1.59
07 22 16 00-0059	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied .....	1.69
07 22 16 00-0060	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied .....	1.77
07 22 16 00-0061	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied .....	1.80
<b>07 22 16 00-0062</b>		<b>Cold Adhesive Applied, Glass-Mat, Roof Board Insulation (USG Securock)</b> (07 22 16 00-0002)	
07 22 16 00-0063	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied.....	1.55
07 22 16 00-0064	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied.....	1.71
07 22 16 00-0065	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied.....	1.75
<b>07 22 16 00-0066</b>		<b>Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation</b> (07 22 16 00-0002)	
Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.			
07 22 16 00-0067	SF	1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	2.75
07 22 16 00-0068	SF	2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	2.89
07 22 16 00-0069	SF	2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	3.09
07 22 16 00-0070	SF	3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	3.22
07 22 16 00-0071	SF	3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	3.51
07 22 16 00-0072	SF	4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	3.63
07 22 16 00-0073	SF	4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	3.83
<b>07 22 16 00-0074</b>		<b>Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation</b> (07 22 16 00-0002)	
Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.			
07 22 16 00-0075	SF	2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	2.78
07 22 16 00-0076	SF	3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	3.03
07 22 16 00-0077	SF	3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	3.34
07 22 16 00-0078	SF	4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	3.55
07 22 16 00-0079	SF	4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	3.81
07 22 16 00-0080	SF	5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	4.08
07 22 16 00-0081	SF	5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied .....	4.59
<b>07 22 16 00-0082</b>		<b>Hot-Mopped Rigid Board Roofing Insulation</b> (07 22 16 00-0001)	
<b>07 22 16 00-0083</b>		<b>Hot-Mopped, High-Density Fiberboard, Roof Board Insulation</b> (07 22 16 00-0082)	
07 22 16 00-0084	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped.....	1.07
07 22 16 00-0085	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped.....	1.32
07 22 16 00-0086	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped.....	1.56
07 22 16 00-0087	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped.....	1.99
07 22 16 00-0088	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped.....	2.44
<b>07 22 16 00-0089</b>		<b>Hot-Mopped, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation</b> (07 22 16 00-0082)	
07 22 16 00-0090	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped .....	1.16
07 22 16 00-0091	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped .....	1.48
<b>07 22 16 00-0092</b>		<b>Hot-Mopped, Perlite, Roof Board Insulation</b> (07 22 16 00-0082)	
07 22 16 00-0093	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Hot-Mopped .....	1.06
07 22 16 00-0094	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation, Hot-Mopped .....	1.20
07 22 16 00-0095	SF	1" Thick, R2.78, Perlite, Roof Board Insulation, Hot-Mopped .....	1.38
07 22 16 00-0096	SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Hot-Mopped .....	1.82
07 22 16 00-0097	SF	2" Thick, R5.56, Perlite, Roof Board Insulation, Hot-Mopped .....	2.10
<b>07 22 16 00-0098</b>		<b>Hot-Mopped, Basalt Mineral Wool, Roof Board Insulation</b> (07 22 16 00-0082)	
07 22 16 00-0099	SF	1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped.....	1.62
07 22 16 00-0100	SF	2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped.....	2.32
07 22 16 00-0101	SF	3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped.....	3.14



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>07 22 16 00-0102</b> Hot-Mopped, Foam Glass (Cellular Glass), Roof Board Insulation <small>(07 22 16 00-0082)</small>		
07 22 16 00-0103 SF 1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped .....	3.37	
07 22 16 00-0104 SF 2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped .....	4.05	
07 22 16 00-0105 SF 2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped .....	5.39	
07 22 16 00-0106 SF 3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped .....	6.74	
<b>07 22 16 00-0107</b> Hot-Mopped, Molded Expanded Polystyrene, Roof Board Insulation <small>(07 22 16 00-0082)</small>		
07 22 16 00-0108 SF 3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped .....	0.81	
07 22 16 00-0109 SF 1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped .....	0.87	
07 22 16 00-0110 SF 3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped .....	0.98	
07 22 16 00-0111 SF 1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped .....	1.19	
07 22 16 00-0112 SF 2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped .....	1.84	
07 22 16 00-0113 SF 3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped .....	2.50	
07 22 16 00-0114 SF 4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped .....	3.15	
07 22 16 00-0115 SF 5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped .....	3.80	
07 22 16 00-0116 SF 6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped .....	4.45	
<b>07 22 16 00-0117</b> Hot-Mopped, Extruded Polystyrene, Roof Board Insulation <small>(07 22 16 00-0082)</small>		
Note: 15 PSI compressive strength.		
07 22 16 00-0118 SF 3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped .....	1.47	
For 25 PSI Compressive Strength, Add	0.15	
For 40 PSI Compressive Strength, Add	0.35	
For 60 PSI Compressive Strength, Add	0.56	
For 115 PSI Compressive Strength, Add	2.42	
07 22 16 00-0119 SF 1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped .....	1.56	
For 25 PSI Compressive Strength, Add	0.16	
For 40 PSI Compressive Strength, Add	0.38	
For 60 PSI Compressive Strength, Add	0.61	
For 115 PSI Compressive Strength, Add	2.65	
07 22 16 00-0120 SF 1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped .....	2.00	
For 25 PSI Compressive Strength, Add	0.23	
For 40 PSI Compressive Strength, Add	0.55	
For 60 PSI Compressive Strength, Add	0.87	
For 100 PSI Compressive Strength, Add	1.12	
For 115 PSI Compressive Strength, Add	3.78	
07 22 16 00-0121 SF 2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped .....	2.50	
For 25 PSI Compressive Strength, Add	0.30	
For 40 PSI Compressive Strength, Add	0.71	
For 60 PSI Compressive Strength, Add	1.12	
For 115 PSI Compressive Strength, Add	4.89	
07 22 16 00-0122 SF 2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped .....	8.00	
For 25 PSI Compressive Strength, Add	0.37	
For 40 PSI Compressive Strength, Add	0.88	
For 60 PSI Compressive Strength, Add	1.63	
For 100 PSI Compressive Strength, Add	2.02	
For 115 PSI Compressive Strength, Add	6.53	
07 22 16 00-0123 SF 3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped .....	3.34	
For 25 PSI Compressive Strength, Add	0.44	
For 40 PSI Compressive Strength, Add	1.05	
For 60 PSI Compressive Strength, Add	1.63	
For 115 PSI Compressive Strength, Add	7.15	
07 22 16 00-0124 SF 4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped .....	3.79	
For 25 PSI Compressive Strength, Add	0.51	
For 40 PSI Compressive Strength, Add	1.22	
For 60 PSI Compressive Strength, Add	1.89	
For 115 PSI Compressive Strength, Add	8.28	
<b>07 22 16 00-0125</b> Hot-Mopped, Polyisocyanurate Board Roofing Insulation <small>(07 22 16 00-0082)</small>		
07 22 16 00-0126 SF 3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Hot-Mopped .....	1.28	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.07	
07 22 16 00-0127 SF 1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Hot-Mopped .....	1.34	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.08	
07 22 16 00-0128 SF 1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped .....	1.43	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.09	
07 22 16 00-0129 SF 2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped .....	1.69	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.11	
07 22 16 00-0130 SF 2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped .....	1.95	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.14	
07 22 16 00-0131 SF 3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped .....	2.20	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.16	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof And Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0132	SF		3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Hot-Mopped .....	2.42	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.19	
07 22 16 00-0133	SF		4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped .....	2.72	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.21	
<b>07 22 16 00-0134</b>			<b>Hot-Mopped, Gypsum-Fiber, Roof Board Insulation (USG Securock) <small>(07 22 16 00-0082)</small></b>		
07 22 16 00-0135	SF		1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	1.38	
07 22 16 00-0136	SF		3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	1.48	
07 22 16 00-0137	SF		1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	1.56	
07 22 16 00-0138	SF		5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped.....	1.59	
<b>07 22 16 00-0139</b>			<b>Hot-Mopped, Glass-Mat, Roof Board Insulation (USG Securock) <small>(07 22 16 00-0082)</small></b>		
07 22 16 00-0140	SF		1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped .....	1.34	
07 22 16 00-0141	SF		1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped.....	1.50	
07 22 16 00-0142	SF		5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped .....	1.54	
<b>07 22 16 00-0143</b>			<b>Mechanically Fastened Rigid Board Roofing Insulation <small>(07 22 16 00-0001)</small></b>		
			Note: Mechanically fastened to wood or steel.		
<b>07 22 16 00-0144</b>			<b>Mechanically Fastened, High-Density Fiberboard, Roof Board Insulation <small>(07 22 16 00-0143)</small></b>		
			Note: Mechanically fastened to wood or steel.		
07 22 16 00-0145	SF		1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened .....	1.10	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.70	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.91	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.31	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.10	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.47	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.56	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	
07 22 16 00-0146	SF		25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened .....	1.34	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.70	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.91	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.31	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.11	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.47	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.57	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	
07 22 16 00-0147	SF		1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened .....	1.57	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.70	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.91	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.31	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.12	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.47	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.58	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	
07 22 16 00-0148	SF		1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	2.04	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.72	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.91	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.38	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	0.96	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.58	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.47	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	
07 22 16 00-0149	SF		2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	2.47	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.72	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.88	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.38	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	0.96	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.13	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.58	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.47	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.71	
<b>07 22 16 00-0150</b>			<b>Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation <small>(07 22 16 00-0143)</small></b>		
			Note: Mechanically fastened to wood or steel.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0151 SF 1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened.....	1.18	
<i>For Mechanically Fastened To Concrete, Add</i>	0.70	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.31	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.12	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.47	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.58	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	
07 22 16 00-0152 SF 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened.....	1.49	
<i>For Mechanically Fastened To Concrete, Add</i>	0.70	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.31	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.12	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.47	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.58	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	
<b>07 22 16 00-0153 Mechanically Fastened, Perlite, Roof Board Insulation (07 22 16 00-0143)</b>		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0154 SF 1/2" Thick, R1.32, Perlite, Roof Board Insulation, Mechanically Fastened.....	1.09	
<i>For Mechanically Fastened To Concrete, Add</i>	0.70	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.31	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.08	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.47	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.54	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	
07 22 16 00-0155 SF 3/4" Thick, R2.08, Perlite, Roof Board Insulation, Mechanically Fastened.....	1.23	
<i>For Mechanically Fastened To Concrete, Add</i>	0.70	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.31	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.08	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.47	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.54	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	
07 22 16 00-0156 SF 1" Thick, R2.78, Perlite, Roof Board Insulation, Mechanically Fastened.....	1.41	
<i>For Mechanically Fastened To Concrete, Add</i>	0.70	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.31	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.08	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.47	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.54	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	
07 22 16 00-0157 SF 1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Mechanically Fastened.....	1.88	
<i>For Mechanically Fastened To Concrete, Add</i>	0.72	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.38	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	0.96	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.58	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.47	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	
07 22 16 00-0158 SF 2" Thick, R5.56, Perlite, Roof Board Insulation, Mechanically Fastened.....	2.16	
<i>For Mechanically Fastened To Concrete, Add</i>	0.72	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.88	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.38	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	0.96	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.13	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.58	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.47	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.71	
<b>07 22 16 00-0159 Mechanically Fastened, Basalt Mineral Wool, Roof Board Insulation (07 22 16 00-0143)</b>		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0160 SF 1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened.....	1.65	
<i>For Mechanically Fastened To Concrete, Add</i>	0.70	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.31	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.08	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.47	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.54	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	



**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof And Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0161	SF		2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened.....	2.38	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.72	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.88	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.38	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	0.96	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.13	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.58	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.47	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.71	
07 22 16 00-0162	SF		3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened.....	3.24	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.74	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.92	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.44	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.19	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.23	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.66	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.72	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.82	
07 22 16 00-0163			<b>Mechanically Fastened, Foam Glass (Cellular Glass), Roof Board Insulation</b> <small>(07 22 16 00-0143)</small>		
			Note: Mechanically fastened to wood or steel.		
07 22 16 00-0164	SF		1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	3.43	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.72	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.91	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.38	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	0.96	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.58	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.47	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	
07 22 16 00-0165	SF		2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	4.11	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.72	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.88	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.38	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	0.96	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.13	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.58	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.47	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.71	
07 22 16 00-0166	SF		2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	5.50	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.74	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.92	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.44	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.19	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.23	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.66	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.72	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.82	
07 22 16 00-0167	SF		3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	6.91	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.77	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.90	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.52	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.12	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.42	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.68	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.04	
07 22 16 00-0168			<b>Mechanically Fastened, Molded Expanded Polystyrene, Roof Board Insulation</b> <small>(07 22 16 00-0143)</small>		
			Note: Mechanically fastened to wood or steel.		
07 22 16 00-0169	SF		3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	0.83	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.70	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.91	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.31	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.03	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.47	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.49	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	
07 22 16 00-0170	SF		1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	0.90	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.70	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.91	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.31	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.03	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.47	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.49	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0171 SF 3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	1.06	
<i>For Mechanically Fastened To Concrete, Add</i>	0.70	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.31	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.03	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.47	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.49	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	
07 22 16 00-0172 SF 1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	1.22	
<i>For Mechanically Fastened To Concrete, Add</i>	0.70	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.31	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.03	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.47	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.49	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	
07 22 16 00-0173 SF 2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	1.91	
<i>For Mechanically Fastened To Concrete, Add</i>	0.72	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.88	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.38	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	0.96	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.13	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.58	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.47	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.71	
07 22 16 00-0174 SF 3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	2.60	
<i>For Mechanically Fastened To Concrete, Add</i>	0.74	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.92	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.44	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.15	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.23	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.66	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.68	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.82	
07 22 16 00-0175 SF 4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	3.32	
<i>For Mechanically Fastened To Concrete, Add</i>	0.77	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.93	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.52	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.12	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.28	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.68	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.92	
07 22 16 00-0176 SF 5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	4.05	
<i>For Mechanically Fastened To Concrete, Add</i>	0.79	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.92	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.21	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.48	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.92	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.82	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.15	
07 22 16 00-0177 SF 6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	5.08	
<i>For Mechanically Fastened To Concrete, Add</i>	0.81	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.77	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.90	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.50	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.58	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.34	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.25	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.31	
<b>07 22 16 00-0178 Mechanically Fastened, Extruded Polystyrene, Roof Board Insulation</b> <small>(07 22 16 00-0143)</small>		
<small>Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.</small>		
07 22 16 00-0179 SF 3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	1.49	
<i>For 25 PSI Compressive Strength, Add</i>	0.16	
<i>For 40 PSI Compressive Strength, Add</i>	0.38	
<i>For 60 PSI Compressive Strength, Add</i>	0.60	
<i>For 115 PSI Compressive Strength, Add</i>	2.59	
<i>For Mechanically Fastened To Concrete, Add</i>	0.70	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.31	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.08	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.47	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.54	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof And Deck Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0180 SF 1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	1.58	
For 25 PSI Compressive Strength, Add	0.17	
For 40 PSI Compressive Strength, Add	0.41	
For 60 PSI Compressive Strength, Add	0.65	
For 115 PSI Compressive Strength, Add	2.83	
For Mechanically Fastened To Concrete, Add	0.70	
For Mechanically Fastened To Gypsum, Add	0.91	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.31	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.08	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.12	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.47	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	1.54	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	1.69	
07 22 16 00-0181 SF 1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	2.06	
For 25 PSI Compressive Strength, Add	0.25	
For 40 PSI Compressive Strength, Add	0.59	
For 60 PSI Compressive Strength, Add	0.93	
For 100 PSI Compressive Strength, Add	1.20	
For 115 PSI Compressive Strength, Add	4.06	
For Mechanically Fastened To Concrete, Add	0.72	
For Mechanically Fastened To Gypsum, Add	0.91	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.38	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	0.96	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.12	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.58	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	1.47	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	1.69	
07 22 16 00-0182 SF 2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	2.52	
For 25 PSI Compressive Strength, Add	0.32	
For 40 PSI Compressive Strength, Add	0.76	
For 60 PSI Compressive Strength, Add	1.19	
For 115 PSI Compressive Strength, Add	5.19	
For Mechanically Fastened To Concrete, Add	0.72	
For Mechanically Fastened To Gypsum, Add	0.88	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.38	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	0.96	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.13	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.58	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	1.47	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	1.71	
07 22 16 00-0183 SF 2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	2.99	
For 25 PSI Compressive Strength, Add	0.40	
For 40 PSI Compressive Strength, Add	0.94	
For 60 PSI Compressive Strength, Add	1.46	
For 100 PSI Compressive Strength, Add	1.88	
For 115 PSI Compressive Strength, Add	6.40	
For Mechanically Fastened To Concrete, Add	0.74	
For Mechanically Fastened To Gypsum, Add	0.90	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.44	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.19	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.18	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.66	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	1.72	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	1.79	
07 22 16 00-0184 SF 3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	3.45	
For 25 PSI Compressive Strength, Add	0.47	
For 40 PSI Compressive Strength, Add	1.11	
For 60 PSI Compressive Strength, Add	1.72	
For 115 PSI Compressive Strength, Add	7.56	
For Mechanically Fastened To Concrete, Add	0.74	
For Mechanically Fastened To Gypsum, Add	0.92	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.44	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.19	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.23	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.66	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	1.72	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	1.82	
07 22 16 00-0185 SF 4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	3.96	
For 25 PSI Compressive Strength, Add	0.55	
For 40 PSI Compressive Strength, Add	1.30	
For 60 PSI Compressive Strength, Add	2.01	
For 115 PSI Compressive Strength, Add	8.84	
For Mechanically Fastened To Concrete, Add	0.77	
For Mechanically Fastened To Gypsum, Add	0.93	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.52	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.12	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.28	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.78	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	1.68	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	1.92	

07 22 16 00-0186 Mechanically Fastened, Polyisocyanurate Board Roofing Insulation (07 22 16 00-0143)  
Note: Mechanically fastened to wood or steel.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0187 SF 3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened .....	1.30	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.08	
<i>For Mechanically Fastened To Concrete, Add</i>	0.70	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.31	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.08	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.47	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.54	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	
07 22 16 00-0188 SF 1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened .....	1.36	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.09	
<i>For Mechanically Fastened To Concrete, Add</i>	0.70	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.31	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.08	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.47	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.54	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	
07 22 16 00-0189 SF 1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened .....	1.50	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.10	
<i>For Mechanically Fastened To Concrete, Add</i>	0.72	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.38	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	0.96	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.58	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.47	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	
07 22 16 00-0190 SF 2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened .....	1.76	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.12	
<i>For Mechanically Fastened To Concrete, Add</i>	0.72	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.88	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.38	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	0.96	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.13	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.58	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.47	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.71	
07 22 16 00-0191 SF 2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened .....	2.04	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.15	
<i>For Mechanically Fastened To Concrete, Add</i>	0.74	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.90	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.44	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.19	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.18	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.66	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.72	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.79	
07 22 16 00-0192 SF 3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened .....	2.30	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.18	
<i>For Mechanically Fastened To Concrete, Add</i>	0.74	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.92	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.44	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.19	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.23	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.66	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.72	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.82	
07 22 16 00-0193 SF 3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened .....	2.64	
<i>For Foil Facer, Add</i>	0.36	
<i>For 25 PSI Compressive Strength, Add</i>	0.21	
<i>For Mechanically Fastened To Concrete, Add</i>	0.77	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.90	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.52	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.12	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.42	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.68	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.04	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof And Deck Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0194 SF 4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened .....	2.88	
For Foil Facer, Add	0.36	
For 25 PSI Compressive Strength, Add	0.23	
For Mechanically Fastened To Concrete, Add	0.77	
For Mechanically Fastened To Gypsum, Add	0.93	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.52	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.12	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.28	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.78	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	1.68	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	1.92	
<b>07 22 16 00-0195 Mechanically Fastened, High-Density Polyisocyanurate Cover Board And Roofing Insulation</b> (07 22 16 00-0143)		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0196 SF 1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Mechanically Fastened .....	1.50	
For Mechanically Fastened To Concrete, Add	0.70	
For Mechanically Fastened To Gypsum, Add	0.91	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.31	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.10	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.12	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.47	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	1.56	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	1.69	
<b>07 22 16 00-0197 Mechanically Fastened, Gypsum-Fiber, Roof Board Insulation (USG Securock)</b> (07 22 16 00-0143)		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0198 SF 1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened.....	1.41	
For Mechanically Fastened To Concrete, Add	0.70	
For Mechanically Fastened To Gypsum, Add	0.91	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.31	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.10	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.12	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.47	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	1.56	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	1.69	
07 22 16 00-0199 SF 3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened.....	1.51	
For Mechanically Fastened To Concrete, Add	0.70	
For Mechanically Fastened To Gypsum, Add	0.91	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.31	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.10	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.12	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.47	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	1.56	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	1.69	
07 22 16 00-0200 SF 1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened.....	1.58	
For Mechanically Fastened To Concrete, Add	0.70	
For Mechanically Fastened To Gypsum, Add	0.91	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.31	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.10	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.12	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.47	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	1.56	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	1.69	
07 22 16 00-0201 SF 5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened.....	1.62	
For Mechanically Fastened To Concrete, Add	0.70	
For Mechanically Fastened To Gypsum, Add	0.91	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.31	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.10	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.12	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.47	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	1.56	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	1.69	
<b>07 22 16 00-0202 Mechanically Fastened, Glass-Mat, Roof Board Insulation (USG Securock)</b> (07 22 16 00-0143)		
Note: Mechanically fastened to wood or steel.		
07 22 16 00-0203 SF 1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened.....	1.37	
For Mechanically Fastened To Concrete, Add	0.70	
For Mechanically Fastened To Gypsum, Add	0.91	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.31	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.10	
For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	1.12	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.47	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	1.56	
For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	1.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0204 SF 1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened.....	1.53	
<i>For Mechanically Fastened To Concrete, Add</i>	0.70	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.31	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.10	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.47	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.56	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	
07 22 16 00-0205 SF 5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened.....	1.57	
<i>For Mechanically Fastened To Concrete, Add</i>	0.70	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.31	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.10	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.47	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.56	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	
<b>07 22 16 00-0206 Mechanically Fastened, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation</b> <small>(07 22 16 00-0143)</small>		
<i>Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.</i>		
07 22 16 00-0207 SF 1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	2.60	
<i>For Mechanically Fastened To Concrete, Add</i>	0.72	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.91	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.38	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	0.96	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.13	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.58	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.47	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.71	
07 22 16 00-0208 SF 2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	2.74	
<i>For Mechanically Fastened To Concrete, Add</i>	0.72	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.88	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.38	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	0.96	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.13	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.58	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.47	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.71	
07 22 16 00-0209 SF 2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	2.98	
<i>For Mechanically Fastened To Concrete, Add</i>	0.74	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.90	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.44	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.27	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.18	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.66	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.80	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.79	
07 22 16 00-0210 SF 3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	3.11	
<i>For Mechanically Fastened To Concrete, Add</i>	0.74	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.92	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.44	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.27	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.23	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.66	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.80	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.82	
07 22 16 00-0211 SF 3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	3.47	
<i>For Mechanically Fastened To Concrete, Add</i>	0.77	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.90	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.52	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.12	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.51	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.68	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.13	
07 22 16 00-0212 SF 4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	3.58	
<i>For Mechanically Fastened To Concrete, Add</i>	0.77	
<i>For Mechanically Fastened To Gypsum, Add</i>	0.93	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.52	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.12	
<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.28	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.68	
<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.92	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof And Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 22 16 00-0213	SF		4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened.....	3.86	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.79	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.92	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.21	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.63	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.92	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.82	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.30	

**07 22 16 00-0214 Mechanically Fastened, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation** (07 22 16 00-0143)

Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.

07 22 16 00-0215	SF		2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	2.67	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.74	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.90	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.44	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.27	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.18	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.66	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.80	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.79	
07 22 16 00-0216	SF		3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	2.92	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.74	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.92	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.44	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.27	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.23	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.66	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.80	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.82	
07 22 16 00-0217	SF		3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	3.30	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.77	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.90	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.52	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.12	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.50	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.68	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.12	
07 22 16 00-0218	SF		4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	3.50	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.77	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.93	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.52	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.12	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.28	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.68	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.92	
07 22 16 00-0219	SF		4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	3.84	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.79	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.92	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.21	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.60	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.92	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.82	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.27	
07 22 16 00-0220	SF		5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	4.11	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.79	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.92	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.21	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.60	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.92	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.82	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.27	
07 22 16 00-0221	SF		5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	4.89	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.81	
			<i>For Mechanically Fastened To Gypsum, Add</i>	0.77	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.90	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.50	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.73	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.34	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.25	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.46	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	07 22 16 00-0222			<b>Rigid Board Tapered Roofing Insulation</b> <small>(07 22 16)</small> Note: Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or cover board.		
	07 22 16 00-0223			<b>Cold Adhesive Applied Rigid Board Tapered Roofing Insulation</b> <small>(07 22 16 00-0222)</small>		
	07 22 16 00-0224			<b>Cold Adhesive Applied, Tapered Polyisocyanurate Board</b> <small>(07 22 16 00-0223)</small> Note: Includes polyurethane adhesive.		
	07 22 16 00-0225			<b>Cold Adhesive Applied, 1/8" Slope, Tapered Polyisocyanurate Board</b> <small>(07 22 16 00-0224)</small>		
	07 22 16 00-0226	SF		2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied ..... <i>For 25 PSI Compressive Strength, Add</i> .....	2.67 0.19	
	07 22 16 00-0227	SF		2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied ..... <i>For 25 PSI Compressive Strength, Add</i> .....	3.62 0.23	
	07 22 16 00-0228	SF		3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied ..... <i>For 25 PSI Compressive Strength, Add</i> .....	3.96 0.26	
	07 22 16 00-0229	SF		3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied ..... <i>For 25 PSI Compressive Strength, Add</i> .....	4.30 0.29	
	07 22 16 00-0230	SF		4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied ..... <i>For 25 PSI Compressive Strength, Add</i> .....	4.64 0.33	
	07 22 16 00-0231	SF		4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied ..... <i>For 25 PSI Compressive Strength, Add</i> .....	5.59 0.36	
	07 22 16 00-0232	SF		5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied ..... <i>For 25 PSI Compressive Strength, Add</i> .....	5.93 0.40	
	07 22 16 00-0233	SF		5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied ..... <i>For 25 PSI Compressive Strength, Add</i> .....	6.27 0.43	
	07 22 16 00-0234	SF		6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied ..... <i>For 25 PSI Compressive Strength, Add</i> .....	6.60 0.46	
	07 22 16 00-0235	SF		6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied ..... <i>For 25 PSI Compressive Strength, Add</i> .....	7.56 0.50	
	07 22 16 00-0236			<b>Cold Adhesive Applied, 1/4" Slope, Tapered Polyisocyanurate Board</b> <small>(07 22 16 00-0224)</small>		
	07 22 16 00-0237	SF		2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied ..... <i>For 25 PSI Compressive Strength, Add</i> .....	2.50 0.17	
	07 22 16 00-0238	SF		3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied ..... <i>For 25 PSI Compressive Strength, Add</i> .....	3.79 0.24	
	07 22 16 00-0239	SF		4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied ..... <i>For 25 PSI Compressive Strength, Add</i> .....	4.47 0.31	
	07 22 16 00-0240	SF		5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied ..... <i>For 25 PSI Compressive Strength, Add</i> .....	5.76 0.38	
	07 22 16 00-0241	SF		6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied ..... <i>For 25 PSI Compressive Strength, Add</i> .....	6.43 0.45	
	07 22 16 00-0242	SF		7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied ..... <i>For 25 PSI Compressive Strength, Add</i> .....	7.72 0.51	
	07 22 16 00-0243			<b>Cold Adhesive Applied, 1/2" Slope, Tapered Polyisocyanurate Board</b> <small>(07 22 16 00-0224)</small>		
	07 22 16 00-0244	SF		3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied ..... <i>For 25 PSI Compressive Strength, Add</i> .....	4.13 0.28	
	07 22 16 00-0245	SF		5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied ..... <i>For 25 PSI Compressive Strength, Add</i> .....	6.10 0.41	
	07 22 16 00-0246	SF		7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied ..... <i>For 25 PSI Compressive Strength, Add</i> .....	8.06 0.55	
	07 22 16 00-0247	SF		9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied ..... <i>For 25 PSI Compressive Strength, Add</i> .....	10.04 0.69	
	07 22 16 00-0248			<b>Cold Adhesive Applied, Tapered Expanded Polystyrene Board (EPS)</b> <small>(07 22 16 00-0223)</small> Note: Includes polyurethane adhesive.		



**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof And Deck Insulation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 22 16 00-0249		<b>Cold Adhesive Applied, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)</b> <small>(07 22 16 00-0248)</small>	
07 22 16 00-0250	SF	2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	2.29
07 22 16 00-0251	SF	2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	3.25
07 22 16 00-0252	SF	3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	3.50
07 22 16 00-0253	SF	3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	3.75
07 22 16 00-0254	SF	4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	4.01
07 22 16 00-0255	SF	4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	4.96
07 22 16 00-0256	SF	5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	5.22
07 22 16 00-0257	SF	5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	5.47
07 22 16 00-0258	SF	6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	5.72
07 22 16 00-0259	SF	6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	6.68
07 22 16 00-0260		<b>Cold Adhesive Applied, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)</b> <small>(07 22 16 00-0248)</small>	
07 22 16 00-0261	SF	2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	2.16
07 22 16 00-0262	SF	3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	3.37
07 22 16 00-0263	SF	4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	3.88
07 22 16 00-0264	SF	5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	5.09
07 22 16 00-0265	SF	6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	5.60
07 22 16 00-0266	SF	7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	6.81
07 22 16 00-0267		<b>Cold Adhesive Applied, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS)</b> <small>(07 22 16 00-0248)</small>	
07 22 16 00-0268	SF	3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	3.63
07 22 16 00-0269	SF	5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	5.34
07 22 16 00-0270	SF	7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	7.06
07 22 16 00-0271	SF	9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	9.04
07 22 16 00-0272		<b>Cold Adhesive Applied, Tapered Extruded Polystyrene Board (XEPS)</b> <small>(07 22 16 00-0273)</small>	
		Note: Includes polyurethane adhesive.	
07 22 16 00-0273		<b>Cold Adhesive Applied, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)</b> <small>(07 22 16 00-0272)</small>	
07 22 16 00-0274	SF	2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	2.59
07 22 16 00-0275	SF	2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	3.55
07 22 16 00-0276	SF	3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	3.87
07 22 16 00-0277	SF	3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	4.19
07 22 16 00-0278	SF	4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	4.51
07 22 16 00-0279	SF	4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	5.46
07 22 16 00-0280	SF	5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	5.79
07 22 16 00-0281	SF	5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	6.11
07 22 16 00-0282	SF	6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	6.43
07 22 16 00-0283	SF	6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	7.38
07 22 16 00-0284		<b>Cold Adhesive Applied, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)</b> <small>(07 22 16 00-0272)</small>	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0285	SF		2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	2.43	
07 22 16 00-0286	SF		3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	3.71	
07 22 16 00-0287	SF		4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	4.35	
07 22 16 00-0288	SF		5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	5.62	
07 22 16 00-0289	SF		6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	6.27	
07 22 16 00-0290	SF		7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	7.54	
<b>07 22 16 00-0291</b>			<b>Cold Adhesive Applied, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS)</b> (07 22 16 00-0272)		
07 22 16 00-0292	SF		3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	4.03	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.74	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.92	
07 22 16 00-0293	SF		5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	5.95	
07 22 16 00-0294	SF		7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	7.86	
07 22 16 00-0295	SF		9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	9.79	
<b>07 22 16 00-0296</b>			<b>Cold Adhesive Applied, Tapered Perlite Board</b> (07 22 16 00-0223)		
			Note: Includes polyurethane adhesive.		
<b>07 22 16 00-0297</b>			<b>Cold Adhesive Applied, 1/8" Slope, Tapered Perlite Board</b> (07 22 16 00-0296)		
07 22 16 00-0298	SF		2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	3.51	
07 22 16 00-0299	SF		2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	4.30	
07 22 16 00-0300	SF		3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	4.82	
07 22 16 00-0301	SF		3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	5.36	
07 22 16 00-0302	SF		4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	5.88	
07 22 16 00-0303	SF		4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	6.66	
07 22 16 00-0304	SF		5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	7.18	
07 22 16 00-0305	SF		5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	7.73	
07 22 16 00-0306	SF		6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	8.24	
07 22 16 00-0307	SF		6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	9.04	
<b>07 22 16 00-0308</b>			<b>Cold Adhesive Applied, 1/4" Slope, Tapered Perlite Board</b> (07 22 16 00-0296)		
07 22 16 00-0309	SF		2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	3.25	
07 22 16 00-0310	SF		3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	4.56	
07 22 16 00-0311	SF		4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	5.62	
07 22 16 00-0312	SF		5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	6.92	
07 22 16 00-0313	SF		6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	7.99	
07 22 16 00-0314	SF		7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	9.30	
<b>07 22 16 00-0315</b>			<b>Cold Adhesive Applied, 1/2" Slope, Tapered Perlite Board</b> (07 22 16 00-0296)		
07 22 16 00-0316	SF		3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	5.08	
07 22 16 00-0317	SF		5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	7.44	
07 22 16 00-0318	SF		7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	9.81	
07 22 16 00-0319	SF		9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	12.19	
<b>07 22 16 00-0320</b>			<b>Hot-Mopped Rigid Board Tapered Roofing Insulation</b> (07 22 16 00-0222)		
<b>07 22 16 00-0321</b>			<b>Hot-Mopped, Tapered Polyisocyanurate Board</b> (07 22 16 00-0320)		
<b>07 22 16 00-0322</b>			<b>Hot-Mopped, 1/8" Slope, Tapered Polyisocyanurate Board</b> (07 22 16 00-0321)		
07 22 16 00-0323	SF		2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	2.41	
			<i>For 25 PSI Compressive Strength, Add</i>	0.17	
07 22 16 00-0324	SF		2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	3.27	
			<i>For 25 PSI Compressive Strength, Add</i>	0.18	
07 22 16 00-0325	SF		3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	3.61	
			<i>For 25 PSI Compressive Strength, Add</i>	0.21	
07 22 16 00-0326	SF		3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	3.80	
			<i>For 25 PSI Compressive Strength, Add</i>	0.24	
07 22 16 00-0327	SF		4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	4.28	
			<i>For 25 PSI Compressive Strength, Add</i>	0.28	
07 22 16 00-0328	SF		4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	5.07	
			<i>For 25 PSI Compressive Strength, Add</i>	0.29	
07 22 16 00-0329	SF		5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	5.41	
			<i>For 25 PSI Compressive Strength, Add</i>	0.32	
07 22 16 00-0330	SF		5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	5.75	
			<i>For 25 PSI Compressive Strength, Add</i>	0.36	
07 22 16 00-0331	SF		6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped.....	6.09	
			<i>For 25 PSI Compressive Strength, Add</i>	0.39	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof And Deck Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0332 SF 6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... <i>For 25 PSI Compressive Strength, Add</i>	6.85 0.40	
<b>07 22 16 00-0333 Hot-Mopped, 1/4" Slope, Tapered Polyisocyanurate Board</b> <small>(07 22 16 00-0321)</small>		
07 22 16 00-0334 SF 2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... <i>For 25 PSI Compressive Strength, Add</i>	2.32 0.15	
07 22 16 00-0335 SF 3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... <i>For 25 PSI Compressive Strength, Add</i>	3.44 0.19	
07 22 16 00-0336 SF 4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... <i>For 25 PSI Compressive Strength, Add</i>	4.11 0.26	
07 22 16 00-0337 SF 5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... <i>For 25 PSI Compressive Strength, Add</i>	5.24 0.31	
07 22 16 00-0338 SF 6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... <i>For 25 PSI Compressive Strength, Add</i>	5.92 0.37	
07 22 16 00-0339 SF 7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... <i>For 25 PSI Compressive Strength, Add</i>	7.02 0.42	
<b>07 22 16 00-0340 Hot-Mopped, 1/2" Slope, Tapered Polyisocyanurate Board</b> <small>(07 22 16 00-0321)</small>		
07 22 16 00-0341 SF 3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... <i>For 25 PSI Compressive Strength, Add</i>	3.78 0.23	
07 22 16 00-0342 SF 5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... <i>For 25 PSI Compressive Strength, Add</i>	5.58 0.34	
07 22 16 00-0343 SF 7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... <i>For 25 PSI Compressive Strength, Add</i>	7.36 0.45	
07 22 16 00-0344 SF 9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped..... <i>For 25 PSI Compressive Strength, Add</i>	9.17 0.57	
<b>07 22 16 00-0345 Hot-Mopped, Tapered Perlite Board</b> <small>(07 22 16 00-0320)</small>		
<b>07 22 16 00-0346 Hot-Mopped, 1/8" Slope, Tapered Perlite Board</b> <small>(07 22 16 00-0345)</small>		
07 22 16 00-0347 SF 2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	2.97	
07 22 16 00-0348 SF 2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	3.95	
07 22 16 00-0349 SF 3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	4.46	
07 22 16 00-0350 SF 3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	4.65	
07 22 16 00-0351 SF 4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	5.17	
07 22 16 00-0352 SF 4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	6.15	
07 22 16 00-0353 SF 5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	6.66	
07 22 16 00-0354 SF 5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	6.85	
07 22 16 00-0355 SF 6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	7.36	
07 22 16 00-0356 SF 6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	8.34	
<b>07 22 16 00-0357 Hot-Mopped, 1/4" Slope, Tapered Perlite Board</b> <small>(07 22 16 00-0345)</small>		
07 22 16 00-0358 SF 2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	2.71	
07 22 16 00-0359 SF 3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	4.21	
07 22 16 00-0360 SF 4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	4.91	
07 22 16 00-0361 SF 5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	6.40	
07 22 16 00-0362 SF 6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	7.11	
07 22 16 00-0363 SF 7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	8.59	
<b>07 22 16 00-0364 Hot-Mopped, 1/2" Slope, Tapered Perlite Board</b> <small>(07 22 16 00-0345)</small>		
07 22 16 00-0365 SF 3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	4.72	
07 22 16 00-0366 SF 5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	6.92	
07 22 16 00-0367 SF 7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	34.68	
07 22 16 00-0368 SF 9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	11.31	
<b>07 22 16 00-0369 Mechanically Fastened Tapered Roofing Insulation</b> <small>(07 22 16 00-0222)</small>		
Note: Mechanically fastened to wood or steel. Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or cover board.		
<b>07 22 16 00-0370 Mechanically Fastened, Tapered Polyisocyanurate Board</b> <small>(07 22 16 00-0369)</small>		
Note: Mechanically fastened to wood or steel.		
<b>07 22 16 00-0371 Mechanically Fastened, 1/8" Slope, Tapered Polyisocyanurate Board</b> <small>(07 22 16 00-0370)</small>		
07 22 16 00-0372 SF 2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	2.52	
<i>For 25 PSI Compressive Strength, Add</i>	0.18	
<i>For Mechanically Fastened To Concrete, Add</i>	0.72	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.87	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.38	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	0.96	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.58	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.47	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0373 SF 2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	3.15	
For 25 PSI Compressive Strength, Add	0.18	
For Mechanically Fastened To Concrete, Add	0.74	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	0.90	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.44	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.02	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	1.18	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.66	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	1.55	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	1.79	
07 22 16 00-0374 SF 3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	3.49	
For 25 PSI Compressive Strength, Add	0.21	
For Mechanically Fastened To Concrete, Add	0.74	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	0.92	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.44	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.02	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	1.20	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.66	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	1.55	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	1.82	
07 22 16 00-0375 SF 3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	3.89	
For 25 PSI Compressive Strength, Add	0.25	
For Mechanically Fastened To Concrete, Add	0.77	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	0.90	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.52	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.12	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	1.25	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.78	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	1.68	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	1.87	
07 22 16 00-0376 SF 4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	4.23	
For 25 PSI Compressive Strength, Add	0.29	
For Mechanically Fastened To Concrete, Add	0.77	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	0.93	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.52	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.12	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	1.28	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.78	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	1.68	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	1.92	
07 22 16 00-0377 SF 4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	4.90	
For 25 PSI Compressive Strength, Add	0.29	
For Mechanically Fastened To Concrete, Add	0.79	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	0.92	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.61	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.21	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	1.34	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.92	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	1.82	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	2.01	
07 22 16 00-0378 SF 5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	5.24	
For 25 PSI Compressive Strength, Add	0.33	
For Mechanically Fastened To Concrete, Add	0.79	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	0.92	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.61	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.21	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	1.34	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	0.92	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	1.82	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	2.01	
07 22 16 00-0379 SF 5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	5.84	
For 25 PSI Compressive Strength, Add	0.39	
For Mechanically Fastened To Concrete, Add	0.81	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	0.77	
For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.90	
For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	1.50	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	1.44	
For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.34	
For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	2.25	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	2.17	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof And Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0380	SF		6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	6.18	
			<i>For 25 PSI Compressive Strength, Add</i>	0.42	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.81	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.77	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.90	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.50	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.44	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.34	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.25	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.17	
07 22 16 00-0381	SF		6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	6.74	
			<i>For 25 PSI Compressive Strength, Add</i>	0.42	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.81	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.94	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.87	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.47	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.60	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.30	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.21	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.41	
07 22 16 00-0382			<b>Mechanically Fastened, 1/4" Slope, Tapered Polyisocyanurate Board</b> <small>(07 22 16 00-0370)</small>		
07 22 16 00-0383	SF		2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	2.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.16	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.72	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.87	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.38	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	0.96	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.58	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.47	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	
07 22 16 00-0384	SF		3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	3.32	
			<i>For 25 PSI Compressive Strength, Add</i>	0.20	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.74	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.90	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.44	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.02	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.18	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.66	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.55	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.79	
07 22 16 00-0385	SF		4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	4.06	
			<i>For 25 PSI Compressive Strength, Add</i>	0.27	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.77	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.90	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.52	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.12	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.25	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.68	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.87	
07 22 16 00-0386	SF		5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	5.07	
			<i>For 25 PSI Compressive Strength, Add</i>	0.31	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.79	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.92	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.21	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.34	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.92	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.82	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.01	
07 22 16 00-0387	SF		6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	6.01	
			<i>For 25 PSI Compressive Strength, Add</i>	0.40	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.81	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.77	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.90	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.50	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.44	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.34	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.25	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0388 SF 7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	6.91	
<i>For 25 PSI Compressive Strength, Add</i>	0.43	
<i>For Mechanically Fastened To Concrete, Add</i>	0.81	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.94	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.87	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.47	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.60	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.30	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.21	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.41	
<b>07 22 16 00-0389 Mechanically Fastened, 1/2" Slope, Tapered Polyisocyanurate Board</b> (07 22 16 00-0370)		
07 22 16 00-0390 SF 3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	3.66	
<i>For 25 PSI Compressive Strength, Add</i>	0.23	
<i>For Mechanically Fastened To Concrete, Add</i>	0.74	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.92	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.44	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.02	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.20	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.66	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.55	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.82	
07 22 16 00-0391 SF 5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	5.25	
<i>For 25 PSI Compressive Strength, Add</i>	0.33	
<i>For Mechanically Fastened To Concrete, Add</i>	0.79	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.92	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.21	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.34	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.92	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.82	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.01	
07 22 16 00-0392 SF 7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	7.25	
<i>For 25 PSI Compressive Strength, Add</i>	0.47	
<i>For Mechanically Fastened To Concrete, Add</i>	0.81	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.94	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.87	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.47	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.60	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.30	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.21	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.41	
07 22 16 00-0393 SF 9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	9.19	
<i>For 25 PSI Compressive Strength, Add</i>	0.60	
<i>For Mechanically Fastened To Concrete, Add</i>	0.98	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.22	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.97	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.82	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.95	
<b>07 22 16 00-0394 Mechanically Fastened, Tapered Expanded Polystyrene Board (EPS)</b> (07 22 16 00-0369)		
Note: Mechanically fastened to wood or steel.		
<b>07 22 16 00-0395 Mechanically Fastened, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)</b> (07 22 16 00-0394)		
07 22 16 00-0396 SF 2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	2.14	
<i>For Mechanically Fastened To Concrete, Add</i>	0.72	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.87	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.38	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	0.96	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.58	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.47	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	
07 22 16 00-0397 SF 2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	2.78	
<i>For Mechanically Fastened To Concrete, Add</i>	0.74	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.90	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.44	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.02	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.18	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.66	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.55	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.79	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof And Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0398	SF		3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	3.03	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.74	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.92	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.44	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.02	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.20	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.66	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.55	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.82	
07 22 16 00-0399	SF		3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	3.35	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.77	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.90	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.52	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.12	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.25	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.68	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.87	
07 22 16 00-0400	SF		4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	3.60	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.77	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.93	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.52	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.12	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.28	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.68	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.92	
07 22 16 00-0401	SF		4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	4.27	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.79	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.92	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.21	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.34	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.92	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.82	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.01	
07 22 16 00-0402	SF		5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	4.53	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.79	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.92	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.21	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.34	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.92	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.82	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.01	
07 22 16 00-0403	SF		5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	5.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.81	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.77	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.90	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.50	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.44	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.34	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.25	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.17	
07 22 16 00-0404	SF		6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	5.30	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.81	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.77	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.90	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.50	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.44	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.34	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.25	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.17	
07 22 16 00-0405	SF		6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	5.86	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.81	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.94	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.87	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.47	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.60	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.30	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.21	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.41	

07 22 16 00-0406 Mechanically Fastened, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0394)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0407 SF 2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	2.02	
<i>For Mechanically Fastened To Concrete, Add</i>	0.72	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.87	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.38	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	0.96	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.58	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.47	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	
07 22 16 00-0408 SF 3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	2.90	
<i>For Mechanically Fastened To Concrete, Add</i>	0.74	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.90	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.44	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.02	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.18	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.66	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.55	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.79	
07 22 16 00-0409 SF 4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	3.47	
<i>For Mechanically Fastened To Concrete, Add</i>	0.77	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.90	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.52	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.12	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.25	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.68	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.87	
07 22 16 00-0410 SF 5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	4.40	
<i>For Mechanically Fastened To Concrete, Add</i>	0.79	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.92	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.21	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.34	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.92	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.82	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.01	
07 22 16 00-0411 SF 6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	5.17	
<i>For Mechanically Fastened To Concrete, Add</i>	0.81	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.77	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.90	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.50	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.44	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.34	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.25	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.17	
07 22 16 00-0412 SF 7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	5.99	
<i>For Mechanically Fastened To Concrete, Add</i>	0.81	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.94	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.87	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.47	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.60	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.30	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.21	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.41	
<b>07 22 16 00-0413 Mechanically Fastened, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS)</b> <small>(07 22 16 00-0394)</small>		
07 22 16 00-0414 SF 3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	3.16	
<i>For Mechanically Fastened To Concrete, Add</i>	0.74	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.92	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.44	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.02	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.20	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.66	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.55	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.82	
07 22 16 00-0415 SF 5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	4.65	
<i>For Mechanically Fastened To Concrete, Add</i>	0.79	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.92	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.21	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.34	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.92	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.82	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.01	



**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof And Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 22 16 00-0416	SF		7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	6.24	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.81	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.94	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.87	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.47	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.60	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.30	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.21	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.41	
07 22 16 00-0417	SF		9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	8.19	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.98	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.22	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.97	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.82	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.95	
07 22 16 00-0418			<b>Mechanically Fastened, Tapered Extruded Polystyrene Board (XEPS)</b> <small>(07 22 16 00-0369)</small>		
			Note: Mechanically fastened to wood or steel.		
07 22 16 00-0419			<b>Mechanically Fastened, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)</b> <small>(07 22 16 00-0418)</small>		
07 22 16 00-0420	SF		2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	2.45	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.72	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.87	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.38	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	0.96	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.58	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.47	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	
07 22 16 00-0421	SF		2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	3.08	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.74	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.90	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.44	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.02	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.18	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.66	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.55	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.79	
07 22 16 00-0422	SF		3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	4.15	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.74	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.92	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.44	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.02	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.20	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.66	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.55	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.82	
07 22 16 00-0423	SF		3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	3.78	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.77	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.90	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.52	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.12	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.25	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.68	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.87	
07 22 16 00-0424	SF		4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	4.10	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.77	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.93	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.52	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.12	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.28	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.68	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.92	
07 22 16 00-0425	SF		4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	4.77	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.79	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.92	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.21	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.34	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.92	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.82	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0426 SF 5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	5.09	
<i>For Mechanically Fastened To Concrete, Add</i>	0.79	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.92	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.21	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.34	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.92	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.82	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.01	
07 22 16 00-0427 SF 5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	5.68	
<i>For Mechanically Fastened To Concrete, Add</i>	0.81	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.77	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.90	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.50	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.44	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.34	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.25	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.17	
07 22 16 00-0428 SF 6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	6.00	
<i>For Mechanically Fastened To Concrete, Add</i>	0.81	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.77	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.90	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.50	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.44	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.34	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.25	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.17	
07 22 16 00-0429 SF 6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	6.56	
<i>For Mechanically Fastened To Concrete, Add</i>	0.81	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.94	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.87	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.47	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.60	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.30	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.21	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.41	
<b>07 22 16 00-0430 Mechanically Fastened, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)</b> <small>(07 22 16 00-0418)</small>		
07 22 16 00-0431 SF 2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	2.29	
<i>For Mechanically Fastened To Concrete, Add</i>	0.72	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.87	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.38	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	0.96	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.58	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.47	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	
07 22 16 00-0432 SF 3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	3.24	
<i>For Mechanically Fastened To Concrete, Add</i>	0.74	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.90	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.44	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.02	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.18	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.66	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.55	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.79	
07 22 16 00-0433 SF 4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	3.94	
<i>For Mechanically Fastened To Concrete, Add</i>	0.77	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.90	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.52	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.12	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.25	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.68	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.87	
07 22 16 00-0434 SF 5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	4.93	
<i>For Mechanically Fastened To Concrete, Add</i>	0.79	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.92	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.21	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.34	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.92	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.82	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.01	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof And Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0435	SF		6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	5.84	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.81	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.77	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.90	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.50	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.44	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.34	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.25	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.17	
07 22 16 00-0436	SF		7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	6.72	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.81	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.94	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.87	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.47	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.60	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.30	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.21	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.41	
07 22 16 00-0437			<b>Mechanically Fastened, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS)</b> <small>(07 22 16 00-0418)</small>		
07 22 16 00-0438	SF		3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	3.56	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.74	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.92	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.44	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.02	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.20	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.66	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.55	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.82	
07 22 16 00-0439	SF		5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	5.25	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.79	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.92	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.21	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.34	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.92	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.82	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.01	
07 22 16 00-0440	SF		7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	7.05	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.81	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.94	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.87	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.47	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.60	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.30	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.21	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.41	
07 22 16 00-0441	SF		9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	8.84	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.98	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.22	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.97	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.82	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.95	
07 22 16 00-0442			<b>Mechanically Fastened, Tapered Perlite Board</b> <small>(07 22 16 00-0369)</small>		
			Note: Mechanically fastened to wood or steel.		
07 22 16 00-0443			<b>Mechanically Fastened, 1/8" Slope, Tapered Perlite Board</b> <small>(07 22 16 00-0442)</small>		
07 22 16 00-0444	SF		2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	3.00	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.72	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.87	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.38	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	0.96	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.58	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.47	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	
07 22 16 00-0445	SF		2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	3.83	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.74	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.90	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.44	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.02	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.18	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.66	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.55	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0446 SF 3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	4.35	
<i>For Mechanically Fastened To Concrete, Add</i>	0.74	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.92	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.44	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.02	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.20	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.66	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.55	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.82	
07 22 16 00-0447 SF 3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	4.59	
<i>For Mechanically Fastened To Concrete, Add</i>	0.77	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.90	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.52	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.12	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.25	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.68	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.87	
07 22 16 00-0448 SF 4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	5.11	
<i>For Mechanically Fastened To Concrete, Add</i>	0.77	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.93	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.52	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.12	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.28	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.68	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.92	
07 22 16 00-0449 SF 4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	5.97	
<i>For Mechanically Fastened To Concrete, Add</i>	0.79	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.92	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.21	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.34	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.92	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.82	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.01	
07 22 16 00-0450 SF 5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	6.49	
<i>For Mechanically Fastened To Concrete, Add</i>	0.79	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.92	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.21	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.34	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.92	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.82	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.01	
07 22 16 00-0451 SF 5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	6.94	
<i>For Mechanically Fastened To Concrete, Add</i>	0.81	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.77	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.90	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.50	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.44	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.34	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.25	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.17	
07 22 16 00-0452 SF 6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	7.46	
<i>For Mechanically Fastened To Concrete, Add</i>	0.81	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.77	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.90	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.50	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.44	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.34	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.25	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.17	
07 22 16 00-0453 SF 6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	8.22	
<i>For Mechanically Fastened To Concrete, Add</i>	0.81	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.94	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.87	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.47	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.60	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.30	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.21	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.41	
<b>07 22 16 00-0454 Mechanically Fastened, 1/4" Slope, Tapered Perlite Board</b> <small>(07 22 16 00-0442)</small>		
07 22 16 00-0455 SF 2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	2.74	
<i>For Mechanically Fastened To Concrete, Add</i>	0.72	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.87	
<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.38	
<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	0.96	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12	
<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.58	
<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.47	
<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof And Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0456	SF		3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	4.09	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.74	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.90	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.44	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.02	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.18	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.66	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.55	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.79	
07 22 16 00-0457	SF		4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	4.85	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.77	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.90	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.52	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.12	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.25	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.78	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.68	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.87	
07 22 16 00-0458	SF		5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	6.23	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.79	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.92	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.21	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.34	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.92	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.82	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.01	
07 22 16 00-0459	SF		6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	7.20	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.81	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.77	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.90	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.50	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.44	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.34	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.25	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.17	
07 22 16 00-0460	SF		7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	8.48	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.81	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.94	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.87	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.47	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.60	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.30	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.21	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.41	
07 22 16 00-0461			<b>Mechanically Fastened, 1/2" Slope, Tapered Perlite Board</b> <small>(07 22 16 00-0442)</small>		
07 22 16 00-0462	SF		3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	4.61	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.74	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.92	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.44	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.02	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.20	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.66	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.55	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.82	
07 22 16 00-0463	SF		5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	6.75	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.79	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.92	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.61	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.21	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.34	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.92	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.82	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.01	
07 22 16 00-0464	SF		7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	9.00	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.81	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	0.94	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.87	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.47	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.60	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.30	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.21	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.41	
07 22 16 00-0465	SF		9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	11.34	
			<i>For Mechanically Fastened To Concrete, Add</i>	0.98	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.22	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.97	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.60	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.82	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	2.95	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	2.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>07 22 16 00-0466</b>	<b>Demolish Rigid Board Roofing Insulation</b> <small>(07 22 16)</small>	
	Note: Includes removing any combination of roofing insulation systems and/or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).	
07 22 16 00-0467	SF Demolish Up To 1/2" Average Thickness, Rigid Board Roofing Insulation .....	0.28
07 22 16 00-0468	SF Demolish >1/2" To 1" Average Thickness, Rigid Board Roofing Insulation .....	0.29
07 22 16 00-0469	SF Demolish >1" To 2" Average Thickness, Rigid Board Roofing Insulation .....	0.30
07 22 16 00-0470	SF Demolish >2" To 3" Average Thickness, Rigid Board Roofing Insulation .....	0.30
07 22 16 00-0471	SF Demolish >3" To 4" Average Thickness, Rigid Board Roofing Insulation .....	0.31
07 22 16 00-0472	SF Demolish >4" To 5" Average Thickness, Rigid Board Roofing Insulation .....	0.32
07 22 16 00-0473	SF Demolish >5" To 6" Average Thickness, Rigid Board Roofing Insulation .....	0.32
07 22 16 00-0474	SF Demolish >6" To 7" Average Thickness, Rigid Board Roofing Insulation .....	0.33
07 22 16 00-0475	SF Demolish >7" To 8" Average Thickness, Rigid Board Roofing Insulation .....	0.34
07 22 16 00-0476	SF Demolish >8" To 9" Average Thickness, Rigid Board Roofing Insulation .....	0.35
07 22 16 00-0477	SF Demolish >9" To 10" Average Thickness, Rigid Board Roofing Insulation .....	0.36
07 22 16 00-0478	SF Demolish >10" To 11" Average Thickness, Rigid Board Roofing Insulation .....	0.37
07 22 16 00-0479	SF Demolish >11" To 12" Average Thickness, Rigid Board Roofing Insulation .....	0.37

**07 24 Exterior Insulation And Finish Systems** (07 20)

**07 24 13 Polymer-Based Exterior Insulation And Finish System** (07 24)

<b>07 24 13 00-0001</b>	<b>Exterior Insulation Finishing System (EIFS)</b> <small>(07 24 13)</small>	
<b>07 24 13 00-0002</b>	<b>Insulation For Exterior Insulation Finishing Systems (EIFS)</b> <small>(07 24 13 00-0001)</small>	
07 24 13 00-0003	SF 1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied .....	2.15
	<i>For Up To 100, Add</i> .....	0.37
	<i>For &gt;100 To 500, Add</i> .....	0.19
	<i>For &gt;5,000, Deduct</i> .....	-0.07
	<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i> .....	0.71
	<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i> .....	1.08
07 24 13 00-0004	SF 1-1/2" Thick, R5.78, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied .....	2.48
	<i>For Up To 100, Add</i> .....	0.38
	<i>For &gt;100 To 500, Add</i> .....	0.19
	<i>For &gt;5,000, Deduct</i> .....	-0.08
	<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i> .....	0.73
	<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i> .....	1.09
07 24 13 00-0005	SF 2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied .....	2.82
	<i>For Up To 100, Add</i> .....	0.38
	<i>For &gt;100 To 500, Add</i> .....	0.19
	<i>For &gt;5,000, Deduct</i> .....	-0.08
	<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i> .....	0.82
	<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i> .....	1.17
07 24 13 00-0006	SF 2-1/2" Thick, R9.63, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied .....	3.15
	<i>For Up To 100, Add</i> .....	0.39
	<i>For &gt;100 To 500, Add</i> .....	0.19
	<i>For &gt;5,000, Deduct</i> .....	-0.08
	<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i> .....	0.87
	<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i> .....	1.23
07 24 13 00-0007	SF 3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied .....	3.48
	<i>For Up To 100, Add</i> .....	0.39
	<i>For &gt;100 To 500, Add</i> .....	0.20
	<i>For &gt;5,000, Deduct</i> .....	-0.08
	<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i> .....	0.87
	<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i> .....	1.23
07 24 13 00-0008	SF 4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied .....	4.13
	<i>For Up To 100, Add</i> .....	0.40
	<i>For &gt;100 To 500, Add</i> .....	0.20
	<i>For &gt;5,000, Deduct</i> .....	-0.08
	<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i> .....	0.99
	<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i> .....	1.34
<b>07 24 13 00-0009</b>	<b>Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS)</b> <small>(07 24 13 00-0001)</small>	
	Note: Includes applying a layer of base coat to the insulation board and fully embedding the reinforcing fabric in the wet base coat.	
07 24 13 00-0010	SF 4.3 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit S-Mesh), Embedded In A Layer Of Base Coat .....	2.63
	<i>For Up To 100, Add</i> .....	0.75
	<i>For &gt;100 To 500, Add</i> .....	0.38
	<i>For &gt;5,000, Deduct</i> .....	-0.15
07 24 13 00-0011	SF 6.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit SP-Mesh), Embedded In A Layer Of Base Coat .....	2.96
	<i>For Up To 100, Add</i> .....	0.75
	<i>For &gt;100 To 500, Add</i> .....	0.38
	<i>For &gt;5,000, Deduct</i> .....	-0.15

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 24 Exterior Insulation And Finish Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0012	SF		15.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 15), Embedded In A Layer Of Base Coat.....	3.85	
			For Up To 100, Add	0.75	
			For >100 To 500, Add	0.38	
			For >5,000, Deduct	-0.15	
07 24 13 00-0013	SF		20.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 20), Embedded In A Layer Of Base Coat.....	4.12	
			For Up To 100, Add	0.75	
			For >100 To 500, Add	0.38	
			For >5,000, Deduct	-0.15	
<b>07 24 13 00-0014</b>			<b>Base Coats For Exterior Insulation Finishing Systems (EIFS)</b> (07 24 13 00-0001)		
07 24 13 00-0015	SF		Polymer-Based, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis® DM).....	1.27	
			For Up To 100, Add	0.37	
			For >100 To 500, Add	0.19	
			For >5,000, Deduct	-0.07	
07 24 13 00-0016	SF		Acrylic-Modified, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis®).....	1.51	
			For Up To 100, Add	0.37	
			For >100 To 500, Add	0.19	
			For >5,000, Deduct	-0.07	
07 24 13 00-0017	SF		Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®).....	2.84	
			For Up To 100, Add	0.37	
			For >100 To 500, Add	0.19	
			For >5,000, Deduct	-0.07	
07 24 13 00-0018	SF		Hydrostatic Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®).....	3.89	
			For Up To 100, Add	0.37	
			For >100 To 500, Add	0.19	
			For >5,000, Deduct	-0.07	
<b>07 24 13 00-0019</b>			<b>Finish Coats For Exterior Insulation Finishing Systems (EIFS)</b> (07 24 13 00-0001)		
			Note: Includes all standard manufacturers' colors.		
07 24 13 00-0020	SF		100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish).....	2.09	
			For Up To 100, Add	0.75	
			For >100 To 500, Add	0.38	
			For >5,000, Deduct	-0.15	
07 24 13 00-0021	SF		100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish).....	2.14	
			For Up To 100, Add	0.75	
			For >100 To 500, Add	0.38	
			For >5,000, Deduct	-0.15	
07 24 13 00-0022	SF		Lightweight Elastic, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish).....	2.54	
			For Up To 100, Add	0.75	
			For >100 To 500, Add	0.38	
			For >5,000, Deduct	-0.15	
07 24 13 00-0023	SF		Lightweight Elastic, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish).....	2.88	
			For Up To 100, Add	0.75	
			For >100 To 500, Add	0.38	
			For >5,000, Deduct	-0.15	
07 24 13 00-0024	SF		Mildew Resistant, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish).....	2.54	
			For Up To 100, Add	0.75	
			For >100 To 500, Add	0.38	
			For >5,000, Deduct	-0.15	
07 24 13 00-0025	SF		Mildew Resistant, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish).....	2.88	
			For Up To 100, Add	0.75	
			For >100 To 500, Add	0.38	
			For >5,000, Deduct	-0.15	
07 24 13 00-0026	SF		Flexible Elastomeric, 100% Acrylic-Based Smooth Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic® Smooth).....	2.20	
			For Up To 100, Add	0.75	
			For >100 To 500, Add	0.38	
			For >5,000, Deduct	-0.15	
07 24 13 00-0027	SF		Flexible Elastomeric, 100% Acrylic-Based Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic®).....	2.56	
			For Up To 100, Add	0.75	
			For >100 To 500, Add	0.38	
			For >5,000, Deduct	-0.15	
07 24 13 00-0028	SF		100% Acrylic-Based Finish With Multi-Colored Quartz Aggregates, Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Ameristone™).....	5.64	
			For Up To 100, Add	0.75	
			For >100 To 500, Add	0.38	
			For >5,000, Deduct	-0.15	
<b>07 24 13 00-0029</b>			<b>Primer And Sealers For Exterior Insulation Finishing Systems (EIFS)</b> (07 24 13 00-0001)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0030 SF 100% Acrylic-Based Primer/Adhesion Promoter For Exterior Insulation Finishing Systems (EIFS) (Dryvit Prymit®).....	0.64	
<i>For Up To 100, Add</i>	<i>0.21</i>	
<i>For &gt;100 To 500, Add</i>	<i>0.11</i>	
<i>For &gt;5,000, Deduct</i>	<i>-0.04</i>	
07 24 13 00-0031 SF 100% Acrylic Emulsion Primer/Sealer For Exterior Insulation Finishing Systems (EIFS) (Dryvit SealClear™).....	0.66	
<i>For Up To 100, Add</i>	<i>0.21</i>	
<i>For &gt;100 To 500, Add</i>	<i>0.11</i>	
<i>For &gt;5,000, Deduct</i>	<i>-0.04</i>	
<b>07 24 13 00-0032 Air/Water/Vapor Barriers For Exterior Insulation Finishing Systems (EIFS) (07</b>		
<small>24 13 00-0001)</small>		
07 24 13 00-0033 SF Smooth, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat .....	0.93	
<i>For Up To 100, Add</i>	<i>0.21</i>	
<i>For &gt;100 To 500, Add</i>	<i>0.11</i>	
<i>For &gt;5,000, Deduct</i>	<i>-0.04</i>	
07 24 13 00-0034 SF Texture, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat .....	1.18	
<i>For Up To 100, Add</i>	<i>0.21</i>	
<i>For &gt;100 To 500, Add</i>	<i>0.11</i>	
<i>For &gt;5,000, Deduct</i>	<i>-0.04</i>	
<b>07 24 13 00-0035 Drainage Accessories For Exterior Insulation Finishing Systems (EIFS) (07 24 13</b>		
<small>00-0001)</small>		
07 24 13 00-0036 SF 1/8" Thick, Flexible Polyamide Drainage Mat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Drainage Mat) .....	1.47	
<i>For Up To 100, Add</i>	<i>0.23</i>	
<i>For &gt;100 To 500, Add</i>	<i>0.12</i>	
<i>For &gt;5,000, Deduct</i>	<i>-0.05</i>	
<b>07 24 13 00-0037 Starter Tracks For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)</b>		
07 24 13 00-0038 LF 1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	2.21	
07 24 13 00-0039 LF 1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	2.39	
07 24 13 00-0040 LF 2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	2.61	
07 24 13 00-0041 LF 3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	3.06	
07 24 13 00-0042 LF 1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	2.39	
07 24 13 00-0043 LF 1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	2.61	
07 24 13 00-0044 LF 2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	2.83	
07 24 13 00-0045 LF 3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	3.33	
<b>07 24 13 00-0046 Demolish Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)</b>		
07 24 13 00-0047 SF Demolish Exterior Insulation Finishing Systems (EIFS).....	1.40	
Note: Includes demolition of all finish coats, base coats, reinforcing layers and insulation layers down to the substrate. Excludes demolition of sheathing.		
<i>For Up To 100, Add</i>	<i>0.70</i>	
<i>For &gt;100 To 500, Add</i>	<i>0.35</i>	
<i>For &gt;5,000, Deduct</i>	<i>-0.14</i>	

**07 25 Weather Barriers (07)****07 26 Vapor Retarders (07 25)****07 26 13 Above-Grade Vapor Retarders (07 26)**

07 26 13 00-0001 CSF Two Layer Kraft Paper Laminated With Asphalt, Grade "B" Building Paper (Aquabar B).....	12.62
07 26 13 00-0002 CSF Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Jumbo Tex).....	11.35
07 26 13 00-0003 CSF 60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Super Jumbo Tex 60 Minute).....	15.42
07 26 13 00-0004 CSF Two Ply 60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Two Ply Super Jumbo Tex 60 Minute) .....	21.37
07 26 13 00-0005 CSF Regular Weight Red Rosin Sized Sheathing .....	10.85
07 26 13 00-0006 CLF 6" Wide Two Layer Kraft Paper Laminated With Asphalt, Building Flashing Paper (Bond Beam Paper) .....	33.10
07 26 13 00-0007 CLF 4" Wide Self Adhering Butyl Sealing Tape.....	56.81
07 26 13 00-0008 CLF 6" Wide Self Adhesive Butyl Sealing Tape .....	85.80
07 26 13 00-0009 CLF 9" Wide Self Adhesive Butyl Sealing Tape .....	123.83
07 26 13 00-0010 CSF Building Wrap (Tyvek) .....	41.91

**07 27 Air Barriers (07 25)****07 27 23 Board Product Air Barriers (07 27)**

07 27 23 00-0001 Barriers For Plenums (07 27 23)



**07 Thermal And Moisture Protection****07 25 Weather Barriers****07 27 Air Barriers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 27 23 00-0002	SF		0.5" Thick Leaded Vinyl Acoustic Plenum Barrier 0.48 LB/SF .....	5.88	1.18
			For Up To 50, Add	1.81	
			For >50 To 200, Add	1.05	
			For >200 To 500, Add	0.41	
			For >2,500, Deduct	-0.29	
07 27 23 00-0003	SF		0.625" Thick Leaded Vinyl Acoustic Plenum Barrier 0.87 LB/SF .....	6.33	1.18
			For Up To 50, Add	1.96	
			For >50 To 200, Add	1.14	
			For >200 To 500, Add	0.44	
			For >2,500, Deduct	-0.32	
07 27 23 00-0004	SF		Aluminum Foil Fiberglass Reinforced Plenum Bar Parallel With Joists 1" Thick .....	1.99	0.79
			For Up To 50, Add	0.87	
			For >50 To 200, Add	0.49	
			For >200 To 500, Add	0.17	
			For >2,500, Deduct	-0.10	
07 27 23 00-0005	SF		Aluminum Foil Fiberglass Reinforced Plenum Bar Perpendicular With Joists 1" Thick .....	3.72	1.18
			For Up To 50, Add	1.57	
			For >50 To 200, Add	0.88	
			For >200 To 500, Add	0.31	
			For >2,500, Deduct	-0.19	
07 27 23 00-0006	SF		Aluminum Mesh Barrier For Plenum Kraft Paper Backed .....	3.51	0.79
			For Up To 50, Add	1.10	
			For >50 To 200, Add	0.64	
			For >200 To 500, Add	0.25	
			For >2,500, Deduct	-0.18	
07 27 23 00-0007	SF		1/64" Thick Sheet Lead Barrier For Plenum 1 LB/SF .....	4.85	0.79
			For Up To 50, Add	1.25	
			For >50 To 200, Add	0.75	
			For >200 To 500, Add	0.31	
			For >2,500, Deduct	-0.24	
07 27 23 00-0008			Under Slab Insulation, Styrofoam Sheets (07 27 23)		
07 27 23 00-0009	SF		1" Styrofoam Sheet Under Slab Insulation .....	1.21	
07 27 23 00-0010	SF		2" Styrofoam Sheet Under Slab Insulation .....	2.06	
07 27 23 00-0011	SF		3" Styrofoam Sheet Under Slab Insulation .....	2.86	
07 27 23 00-0012	SF		4" Styrofoam Sheet Under Slab Insulation .....	3.65	

**07 30 Steep Slope Roofing** (07)

Note: Includes starter strips and manufacturer's product specific warranties.

**07 31 Shingles And Shakes** (07 30)**07 31 13 Asphalt Shingles** (07 31)**07 31 13 13 Fiberglass-Reinforced Asphalt Shingles** (07 31 13)**07 31 13 13-0001 Three Tab Fiberglass Reinforced, Asphalt Composition Shingle** (07 31 13 13)

Note: Excludes underlayment, drip edges, and ridge vent/shingles.

07 31 13 13-0002	SQ		200 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed CT 20) .....	182.07	92.82
			For >35 To 75, Deduct	-9.77	
			For >75 To 100, Deduct	-13.83	
			For >100 To 200, Deduct	-19.85	
			For >200, Deduct	-27.97	
			For Steep Roof, Over 7 To 12, Add	27.01	
07 31 13 13-0003	SQ		220 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 25) .....	190.87	97.48
			For >35 To 75, Deduct	-10.23	
			For >75 To 100, Deduct	-14.49	
			For >100 To 200, Deduct	-20.79	
			For >200, Deduct	-29.31	
			For Steep Roof, Over 7 To 12, Add	28.36	
07 31 13 13-0004	SQ		230 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 30) .....	227.79	102.34
			For >35 To 75, Deduct	-13.47	
			For >75 To 100, Deduct	-18.49	
			For >100 To 200, Deduct	-26.21	
			For >200, Deduct	-36.25	
			For Steep Roof, Over 7 To 12, Add	29.78	
07 31 13 13-0005			Architectural Fiberglass Reinforced, Asphalt Composition Shingle (07 31 13 13)		
			Note: Excludes underlayment, drip edges, and ridge vent/shingles.		
07 31 13 13-0006	SQ		245 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark) .....	225.31	118.50
			For >35 To 75, Deduct	-11.76	
			For >75 To 100, Deduct	-16.80	
			For >100 To 200, Deduct	-24.20	
			For >200, Deduct	-34.29	
			For Steep Roof, Over 7 To 12, Add	34.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 13-0007 SQ 240 LB/SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Highland Slate).....	246.82	112.83
<i>For &gt;35 To 75, Deduct</i>	-14.42	
<i>For &gt;75 To 100, Deduct</i>	-19.87	
<i>For &gt;100 To 200, Deduct</i>	-28.21	
<i>For &gt;200, Deduct</i>	-39.11	
<i>For Steep Roof, Over 7 To 12, Add</i>	32.83	
07 31 13 13-0008 SQ 265 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Plus).....	265.94	124.43
<i>For &gt;35 To 75, Deduct</i>	-15.28	
<i>For &gt;75 To 100, Deduct</i>	-21.16	
<i>For &gt;100 To 200, Deduct</i>	-30.11	
<i>For &gt;200, Deduct</i>	-41.87	
<i>For Steep Roof, Over 7 To 12, Add</i>	36.20	
07 31 13 13-0009 SQ 235 LB/SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Hatteras).....	265.22	107.46
<i>For &gt;35 To 75, Deduct</i>	-16.75	
<i>For &gt;75 To 100, Deduct</i>	-22.55	
<i>For &gt;100 To 200, Deduct</i>	-31.69	
<i>For &gt;200, Deduct</i>	-43.28	
<i>For Steep Roof, Over 7 To 12, Add</i>	31.26	
07 31 13 13-0010 SQ 300 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Premium).....	291.40	130.65
<i>For &gt;35 To 75, Deduct</i>	-17.27	
<i>For &gt;75 To 100, Deduct</i>	-23.69	
<i>For &gt;100 To 200, Deduct</i>	-33.56	
<i>For &gt;200, Deduct</i>	-46.41	
<i>For Steep Roof, Over 7 To 12, Add</i>	38.00	
07 31 13 13-0011 SQ 300 LB/SQ, 5" Exposure, Random Laminated Tabs, One Piece, Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Independence).....	316.71	130.65
<i>For &gt;35 To 75, Deduct</i>	-19.80	
<i>For &gt;75 To 100, Deduct</i>	-26.72	
<i>For &gt;100 To 200, Deduct</i>	-37.61	
<i>For &gt;200, Deduct</i>	-51.47	
<i>For Steep Roof, Over 7 To 12, Add</i>	38.00	
07 31 13 13-0012 SQ 355 LB/SQ, 4" Exposure, Sculpted Edge, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake).....	344.94	144.02
<i>For &gt;35 To 75, Deduct</i>	-21.40	
<i>For &gt;75 To 100, Deduct</i>	-28.95	
<i>For &gt;100 To 200, Deduct</i>	-40.79	
<i>For &gt;200, Deduct</i>	-55.89	
<i>For Steep Roof, Over 7 To 12, Add</i>	41.90	
07 31 13 13-0013 SQ 340 LB/SQ, 5" Exposure, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark TL).....	345.88	137.19
<i>For &gt;35 To 75, Deduct</i>	-22.12	
<i>For &gt;75 To 100, Deduct</i>	-29.66	
<i>For &gt;100 To 200, Deduct</i>	-41.63	
<i>For &gt;200, Deduct</i>	-56.71	
<i>For Steep Roof, Over 7 To 12, Add</i>	39.90	
07 31 13 13-0014 SQ 300 LB/SQ, 5" Exposure, Reflective Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Solaris).....	347.83	130.65
<i>For &gt;35 To 75, Deduct</i>	-22.91	
<i>For &gt;75 To 100, Deduct</i>	-30.46	
<i>For &gt;100 To 200, Deduct</i>	-42.59	
<i>For &gt;200, Deduct</i>	-57.69	
<i>For Steep Roof, Over 7 To 12, Add</i>	38.00	
07 31 13 13-0015 SQ 355 LB/SQ, 8" Exposure, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Centennial Slate).....	413.07	144.02
<i>For &gt;35 To 75, Deduct</i>	-28.21	
<i>For &gt;75 To 100, Deduct</i>	-37.13	
<i>For &gt;100 To 200, Deduct</i>	-51.69	
<i>For &gt;200, Deduct</i>	-69.52	
<i>For Steep Roof, Over 7 To 12, Add</i>	41.90	
07 31 13 13-0016 SQ 355 LB/SQ, 8" Exposure, Scalloped Cut, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Carriage House).....	430.81	144.02
<i>For &gt;35 To 75, Deduct</i>	-29.99	
<i>For &gt;75 To 100, Deduct</i>	-39.26	
<i>For &gt;100 To 200, Deduct</i>	-54.53	
<i>For &gt;200, Deduct</i>	-73.07	
<i>For Steep Roof, Over 7 To 12, Add</i>	41.90	
07 31 13 13-0017 SQ 480 LB/SQ, 4" Exposure, Sculpted Edge, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake TL).....	479.44	158.81
<i>For &gt;35 To 75, Deduct</i>	-33.51	
<i>For &gt;75 To 100, Deduct</i>	-43.82	
<i>For &gt;100 To 200, Deduct</i>	-60.83	
<i>For &gt;200, Deduct</i>	-81.45	
<i>For Steep Roof, Over 7 To 12, Add</i>	46.20	
07 31 13 13-0018 SQ 425 LB/SQ, 8" Exposure, Random Laminated Tabs, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed GrandManor).....	475.61	151.21
<i>For &gt;35 To 75, Deduct</i>	-33.81	
<i>For &gt;75 To 100, Deduct</i>	-44.01	
<i>For &gt;100 To 200, Deduct</i>	-60.97	
<i>For &gt;200, Deduct</i>	-81.37	
<i>For Steep Roof, Over 7 To 12, Add</i>	44.00	

07 31 13 13-0019 Asphalt Shingle Accessories (07 31 13 13)

**07 Thermal And Moisture Protection****07 30 Steep Slope Roofing****07 31 Shingles And Shakes**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 13-0020	LF		Hip And Ridge Roll Vent ..... Note: Excludes shingles.	4.66	0.56
07 31 13 13-0021	LF		Three Tab Hip And Ridge Shingles.....	2.41	1.39
07 31 13 13-0022	LF		Architectural Hip And Ridge Shingles .....	3.01	1.54
07 31 13 13-0023	SQ		Demolish Additional Layers Of Shingles .....	50.64	
<b>07 31 16 Metal Shingles (07 31)</b>					
<b>07 31 16 00-0001 Aluminum Shingles (07 31 16)</b>					
07 31 16 00-0002	SQ		Aluminum Shingles, Mill Finish, 0.020" Thick..... <i>For Colors, Anodized Finish, Add</i> <i>For Bonderized Finish, Add</i> <i>For 1" Factory Applied Polystyrene, Add</i>	565.10 30.00 47.00 37.00	87.93
07 31 16 00-0003	SQ		Aluminum Shingles, Mill Finish, 0.030" Thick..... <i>For Colors, Anodized Finish, Add</i> <i>For Bonderized Finish, Add</i> <i>For 1" Factory Applied Polystyrene, Add</i>	818.29 30.00 47.00 37.00	96.11
07 31 16 00-0004	LF		Aluminum Shingles, Ridge Cap, 0.020" Thick.....	11.05	1.27
07 31 16 00-0005	LF		Aluminum Shingles, Ridge Cap, 0.030" Thick.....	11.68	1.27
07 31 16 00-0006	LF		Aluminum Shingles, Valley Section, 0.020" Thick.....	6.30	1.27
07 31 16 00-0007	LF		Aluminum Shingles, Valley Section, 0.030" Thick.....	7.57	1.27
<b>07 31 16 00-0008 Galvanized Steel Shingles (07 31 16)</b>					
07 31 16 00-0009	SQ		24 Gauge, 0.0276" Thickness, Galvanized Steel Shingles ..... <i>For Factory Applied 1" Polystyrene Insulation, Add</i> <i>For &gt;50 To 75, Deduct</i> <i>For &gt;75 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i> <i>For Steep Roof, Over 7 To 12, Add</i>	293.92 24.75 -5.43 -13.45 -22.84 -30.86 50.65	79.12
07 31 16 00-0010	SQ		26 Gauge, 0.0217" Thickness, Galvanized Steel Shingles ..... <i>For Factory Applied 1" Polystyrene Insulation, Add</i> <i>For &gt;50 To 75, Deduct</i> <i>For &gt;75 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i> <i>For Steep Roof, Over 7 To 12, Add</i>	281.40 24.75 -4.98 -12.64 -21.54 -29.20 50.21	78.49
07 31 16 00-0011	SQ		24 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles..... <i>For Factory Applied 1" Polystyrene Insulation, Add</i> <i>For &gt;50 To 75, Deduct</i> <i>For &gt;75 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i> <i>For Steep Roof, Over 7 To 12, Add</i>	491.69 24.75 -13.34 -27.30 -44.59 -58.55 50.65	79.12
07 31 16 00-0012	SQ		26 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles..... <i>For Factory Applied 1" Polystyrene Insulation, Add</i> <i>For &gt;50 To 75, Deduct</i> <i>For &gt;75 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i> <i>For Steep Roof, Over 7 To 12, Add</i>	449.24 24.75 -11.69 -24.39 -40.00 -52.69 50.21	78.49
07 31 16 00-0013	LF		Galvanized Steel Shingles, Ridge Or Valley ..... <i>For Factory Applied 1" Polystyrene Insulation, Add</i> <i>For &gt;50 To 75, Deduct</i> <i>For &gt;75 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i> <i>For Steep Roof, Over 7 To 12, Add</i>	4.92 24.75 -0.11 -0.25 -0.42 -0.55 0.66	1.06
<b>07 31 26 Slate Shingles (07 31)</b>					
Note: Includes 30 LB felt and fasteners.					
<b>07 31 26 00-0001 Shingles Including 30 LB Felt And Nails (07 31 26)</b>					
07 31 26 00-0002	SQ		Slate Shingles, Buckingham, Virginia Black, 3/16" Thick..... <i>For &gt;50 To 75, Deduct</i> <i>For &gt;75 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i> <i>For Graduated Shapes, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	851.32 -22.05 -46.09 -75.65 -99.69 82.70 95.99	135.00
07 31 26 00-0003	SQ		Slate Shingles, Buckingham, Virginia Black, 1/4" Thick..... <i>For &gt;50 To 75, Deduct</i> <i>For &gt;75 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i> <i>For Graduated Shapes, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	1,004.99 -28.20 -56.85 -92.55 -121.20 105.75 95.99	135.00



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 26 00-0004 SQ Slate Shingles, Penn Black Bangor .....	958.89	135.00
<i>For &gt;50 To 75, Deduct</i>	-26.36	
<i>For &gt;75 To 100, Deduct</i>	-53.62	
<i>For &gt;100 To 200, Deduct</i>	-87.48	
<i>For &gt;200, Deduct</i>	-114.75	
<i>For Graduated Shapes, Add</i>	98.84	
<i>For Steep Roof, Over 7 To 12, Add</i>	95.99	
07 31 26 00-0005 SQ Slate Shingles, Vermont, Unfading Colors, Green.....	974.25	135.00
<i>For &gt;50 To 75, Deduct</i>	-26.97	
<i>For &gt;75 To 100, Deduct</i>	-54.70	
<i>For &gt;100 To 200, Deduct</i>	-89.17	
<i>For &gt;200, Deduct</i>	-116.90	
<i>For Graduated Shapes, Add</i>	101.14	
<i>For Steep Roof, Over 7 To 12, Add</i>	95.99	
07 31 26 00-0006 SQ Slate Shingles, Vermont, Unfading Colors, Semi-Weathered, Green/Gray .....	1,035.72	135.00
<i>For &gt;50 To 75, Deduct</i>	-29.43	
<i>For &gt;75 To 100, Deduct</i>	-59.00	
<i>For &gt;100 To 200, Deduct</i>	-95.93	
<i>For &gt;200, Deduct</i>	-125.50	
<i>For Graduated Shapes, Add</i>	110.36	
<i>For Steep Roof, Over 7 To 12, Add</i>	95.99	
07 31 26 00-0007 SQ Slate Shingles, Vermont, Unfading Color, Purple .....	958.89	135.00
<i>For &gt;50 To 75, Deduct</i>	-26.36	
<i>For &gt;75 To 100, Deduct</i>	-53.62	
<i>For &gt;100 To 200, Deduct</i>	-87.48	
<i>For &gt;200, Deduct</i>	-114.75	
<i>For Graduated Shapes, Add</i>	98.84	
<i>For Steep Roof, Over 7 To 12, Add</i>	95.99	
07 31 26 00-0008 SQ Slate Shingles, Vermont, Unfading Color, Black Or Gray .....	912.79	135.00
<i>For &gt;50 To 75, Deduct</i>	-24.51	
<i>For &gt;75 To 100, Deduct</i>	-50.40	
<i>For &gt;100 To 200, Deduct</i>	-82.41	
<i>For &gt;200, Deduct</i>	-108.29	
<i>For Graduated Shapes, Add</i>	91.92	
<i>For Steep Roof, Over 7 To 12, Add</i>	95.99	
07 31 26 00-0009 SQ Slate Shingles, Vermont, Unfading Color, Red .....	1,872.96	135.00
<i>For &gt;50 To 75, Deduct</i>	-62.92	
<i>For &gt;75 To 100, Deduct</i>	-117.61	
<i>For &gt;100 To 200, Deduct</i>	-188.03	
<i>For &gt;200, Deduct</i>	-242.72	
<i>For Graduated Shapes, Add</i>	235.95	
<i>For Steep Roof, Over 7 To 12, Add</i>	95.99	
07 31 26 00-0010 SQ Slate Shingles, Vermont, Unfading Color, Variegated Purple .....	958.89	135.00
<i>For &gt;50 To 75, Deduct</i>	-26.36	
<i>For &gt;75 To 100, Deduct</i>	-53.62	
<i>For &gt;100 To 200, Deduct</i>	-87.48	
<i>For &gt;200, Deduct</i>	-114.75	
<i>For Graduated Shapes, Add</i>	98.84	
<i>For Steep Roof, Over 7 To 12, Add</i>	95.99	

**07 31 29 Wood Shingles And Shakes (07 31)**

**07 31 29 13 Wood Shingles (07 31 29)**

**07 31 29 13-0001 #1 Grade, Red Cedar Shingles (07 31 29 13)**

**07 31 29 13-0002 #1 Grade, Red Cedar Shingles Installed On Roofs (07 31 29 13-0001)**

07 31 29 13-0003 SQ 3-3/4" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	425.42	78.53
<i>For Steep Roof, Over 7 To 12, Add</i>	50.26	
<i>For CCA Treated, Add</i>	40.26	
07 31 29 13-0004 SQ 5" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	305.65	58.90
<i>For Steep Roof, Over 7 To 12, Add</i>	37.69	
<i>For CCA Treated, Add</i>	28.18	
07 31 29 13-0005 SQ 4-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	381.73	66.75
<i>For Steep Roof, Over 7 To 12, Add</i>	42.72	
<i>For CCA Treated, Add</i>	37.23	
07 31 29 13-0006 SQ 5-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	312.25	54.97
<i>For Steep Roof, Over 7 To 12, Add</i>	35.18	
<i>For CCA Treated, Add</i>	30.35	
07 31 29 13-0007 SQ 5-3/4" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	442.22	52.02
<i>For Steep Roof, Over 7 To 12, Add</i>	33.30	
<i>For CCA Treated, Add</i>	50.73	
07 31 29 13-0008 SQ 7-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof.....	336.90	44.17
<i>For Steep Roof, Over 7 To 12, Add</i>	28.27	
<i>For CCA Treated, Add</i>	37.28	

**07 31 29 13-0009 #1 Grade, Red Cedar Shingles Installed On Walls (07 31 29 13-0001)**

07 31 29 13-0010 SQ 7" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall .....	275.54	70.67
<i>For CCA Treated, Add</i>	20.13	
07 31 29 13-0011 SQ 8" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall .....	273.02	66.75
<i>For CCA Treated, Add</i>	20.93	
07 31 29 13-0012 SQ 10-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall .....	293.37	57.92
<i>For CCA Treated, Add</i>	26.63	

**07 Thermal And Moisture Protection****07 30 Steep Slope Roofing****07 31 Shingles And Shakes**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 29 13-0013			<b>#2 Grade, Red Cedar Shingles</b> (07 31 29 13)		
07 31 29 13-0014			<b>#2 Grade, Red Cedar Shingles Installed On Roofs</b> (07 31 29 13-0013)		
07 31 29 13-0015	SQ		3-1/2" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	381.67	82.45
			<i>For Steep Roof, Over 7 To 12, Add</i>	52.77	
			<i>For CCA Treated, Add</i>	32.51	
07 31 29 13-0016	SQ		4" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	338.87	74.60
			<i>For Steep Roof, Over 7 To 12, Add</i>	47.74	
			<i>For CCA Treated, Add</i>	28.45	
07 31 29 13-0017	SQ		4" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	368.45	74.60
			<i>For Steep Roof, Over 7 To 12, Add</i>	47.74	
			<i>For CCA Treated, Add</i>	32.89	
07 31 29 13-0018	SQ		4-1/2" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	328.54	66.75
			<i>For Steep Roof, Over 7 To 12, Add</i>	42.72	
			<i>For CCA Treated, Add</i>	29.26	
07 31 29 13-0019	SQ		5-3/4" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	339.98	52.02
			<i>For Steep Roof, Over 7 To 12, Add</i>	33.30	
			<i>For CCA Treated, Add</i>	35.39	
07 31 29 13-0020	SQ		6-1/2" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof.....	274.08	45.16
			<i>For Steep Roof, Over 7 To 12, Add</i>	28.90	
			<i>For CCA Treated, Add</i>	27.57	
07 31 29 13-0021			<b>#2 Grade, Red Cedar Shingles Installed On Walls</b> (07 31 29 13-0013)		
07 31 29 13-0022	SQ		6" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall .....	257.58	74.60
			<i>For CCA Treated, Add</i>	16.26	
07 31 29 13-0023	SQ		7" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall .....	250.98	70.67
			<i>For CCA Treated, Add</i>	16.44	
07 31 29 13-0024	SQ		9" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall .....	249.50	62.82
			<i>For CCA Treated, Add</i>	18.58	
<b>07 31 29 16</b>			<b>Wood Shakes</b> (07 31 29)		
07 31 29 16-0001			<b>#1 Grade, Red Cedar Shakes</b> (07 31 29 16)		
07 31 29 16-0002			<b>#1 Grade, Red Cedar Shakes Installed On Roofs</b> (07 31 29 16-0001)		
07 31 29 16-0003	SQ		8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof.....	301.02	63.80
			<i>For Steep Roof, Over 7 To 12, Add</i>	40.84	
			<i>For CCA Treated, Add</i>	26.01	
07 31 29 16-0004	SQ		8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof.....	358.82	63.80
			<i>For Steep Roof, Over 7 To 12, Add</i>	40.84	
			<i>For CCA Treated, Add</i>	34.68	
07 31 29 16-0005	SQ		10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof.....	342.49	52.02
			<i>For Steep Roof, Over 7 To 12, Add</i>	33.30	
			<i>For CCA Treated, Add</i>	35.77	
07 31 29 16-0006	SQ		10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof.....	367.05	52.02
			<i>For Steep Roof, Over 7 To 12, Add</i>	33.30	
			<i>For CCA Treated, Add</i>	39.45	
07 31 29 16-0007			<b>#1 Grade, Red Cedar Shakes Installed On Walls</b> (07 31 29 16-0001)		
07 31 29 16-0008	SQ		8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall .....	310.83	68.72
			<i>For CCA Treated, Add</i>	26.01	
07 31 29 16-0009	SQ		8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall .....	368.63	68.72
			<i>For CCA Treated, Add</i>	34.68	
07 31 29 16-0010	SQ		10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall .....	356.23	58.90
			<i>For CCA Treated, Add</i>	35.77	
07 31 29 16-0011	SQ		10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall .....	380.79	58.90
			<i>For CCA Treated, Add</i>	39.45	
<b>07 31 29 19</b>			<b>Wood Shingles And Shakes Cap</b> (07 31 29)		
07 31 29 19-0001			<b>Accessories</b> (07 31 29 19)		
07 31 29 19-0002	LF		Hip Or Ridge Cap For Wood Shingles Or Shakes .....	5.77	0.51
			<i>For Steep Roof, Over 7 To 12, Add</i>	0.38	
			<i>For CCA Treated Ridge, Add</i>	0.69	
<b>07 31 33</b>			<b>Composite Rubber Shingles</b> (07 31)		
07 31 33 00-0001			<b>Synthetic Polymeric Rubber Slate Shingles</b> (07 31 33)		
			Note: As manufactured by EcoStar.		
07 31 33 00-0002	SQ		Class C Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure .....	709.25	117.84
			Note: Gray or black.		
			<i>For Purple Or Green Color, Add</i>	75.78	
			<i>For Brown Or Red Color, Add</i>	194.18	
			<i>For Steep Roof, Over 7 To 12, Add</i>	75.41	
			<i>For &gt;50 To 75, Deduct</i>	-11.84	
			<i>For &gt;75 To 100, Deduct</i>	-29.57	
			<i>For &gt;100 To 200, Deduct</i>	-47.30	
			<i>For &gt;200, Deduct</i>	-70.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 33 00-0003 SQ Class A Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure ..... Note: Fire resistant. Gray or black. <i>For Purple, Green, Brown Or Red, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i> <i>For &gt;50 To 75, Deduct</i> <i>For &gt;75 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	1,024.98 118.40 75.41 -19.73 -45.36 -70.98 -102.50	117.84
07 31 33 00-0004 SQ Class C Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure ..... Note: Beaver tail, chisel point or beveled edges. Gray or black. <i>For Purple, Green, Brown Or Red, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i> <i>For &gt;50 To 75, Deduct</i> <i>For &gt;75 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	839.25 217.30 75.41 -15.09 -36.07 -57.05 -83.93	117.84
07 31 33 00-0005 SQ Class A Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure ..... Note: Fire resistant. Beaver tail, chisel point or beveled edges. Gray or black. <i>For Purple, Green, Brown Or Red, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i> <i>For &gt;50 To 75, Deduct</i> <i>For &gt;75 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	1,089.98 93.98 75.41 -21.36 -48.61 -75.86 -109.00	117.84
07 31 33 00-0006 LF Hip Or Ridge Polymeric Rubber Slate Shingle..... Note: Beveled or pointed edges, gray or black.	8.48	0.79

**07 32 Roof Tiles** (07 30)

**07 32 13 Clay Roof Tiles** (07 32)

Note: 8-1/4" x 11" exposure. Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.

**07 32 13 00-0001 Clay Roofing Tile 8-1/4" x 11" Exposure** (07 32 13)

Note: Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.

07 32 13 00-0002 SQ Lanai Or Classic Tile, 158 Piece Per SQ ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 75, Deduct</i> <i>For &gt;75 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i> <i>For 20 Year Warranty, Add</i>	2,376.29 -127.21 -218.42 -288.43 -337.24 -364.84 148.41	128.03
07 32 13 00-0003 SQ Americana (Most Colors) Tile Roofing, 158 Piece Per SQ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 75, Deduct</i> <i>For &gt;75 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i> <i>For 20 Year Warranty, Add</i>	3,078.51 -169.35 -288.64 -379.72 -442.57 -477.20 197.57	128.03
07 32 13 00-0004 SQ Americana (Green, Gray Or Brown) Tile, 158 Piece Per SQ ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 75, Deduct</i> <i>For &gt;75 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i> <i>For 20 Year Warranty, Add</i>	3,078.51 -169.35 -288.64 -379.72 -442.57 -477.20 197.57	128.03
07 32 13 00-0005 SQ Americana (Blue) Tile, 158 Piece Per SQ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 75, Deduct</i> <i>For &gt;75 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i> <i>For 20 Year Warranty, Add</i>	3,674.34 -205.10 -348.23 -457.18 -531.94 -572.53 239.28	128.03
07 32 13 00-0006 SQ French Tile Roofing, Red, 133 Piece Per SQ ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 75, Deduct</i> <i>For &gt;75 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i> <i>For 20 Year Warranty, Add</i>	2,810.83 -149.87 -257.60 -340.36 -398.14 -430.95 174.84	156.54
07 32 13 00-0007 SQ French Tile Roofing, Blue Or Green, 133 Piece Per SQ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 75, Deduct</i> <i>For &gt;75 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i> <i>For 20 Year Warranty, Add</i>	3,859.00 -212.76 -362.42 -476.62 -555.37 -598.66 248.22	156.54
07 32 13 00-0008 SQ Norman Tile Roofing, 317 Piece Per SQ ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 75, Deduct</i> <i>For &gt;75 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i> <i>For 20 Year Warranty, Add</i>	4,840.63 -265.10 -452.40 -595.50 -694.43 -749.17 309.29	211.18

**07 Thermal And Moisture Protection****07 30 Steep Slope Roofing****07 32 Roof Tiles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 13 00-0009 SQ Williamsburg Tile Roofing, Aged Cedar, 158 Piece Per SQ.....	2,286.41	156.54
For >25 To 50, Deduct	-118.40	
For >50 To 75, Deduct	-205.16	
For >75 To 100, Deduct	-272.19	
For >100 To 200, Deduct	-319.48	
For >200, Deduct	-347.04	
For 20 Year Warranty, Add	138.13	
07 32 13 00-0010 SQ Williamsburg Tile Roofing, Gray Or Green, 158 Piece Per SQ.....	3,135.49	156.54
For >25 To 50, Deduct	-169.35	
For >50 To 75, Deduct	-290.07	
For >75 To 100, Deduct	-382.57	
For >100 To 200, Deduct	-446.84	
For >200, Deduct	-482.89	
For 20 Year Warranty, Add	197.57	
07 32 13 00-0011 SQ Spanish Tile Roofing, Red, 171 Piece Per SQ.....	2,099.30	117.20
For >25 To 50, Deduct	-111.89	
For >50 To 75, Deduct	-192.35	
For >75 To 100, Deduct	-254.15	
For >100 To 200, Deduct	-297.31	
For >200, Deduct	-321.82	
For 20 Year Warranty, Add	130.54	
07 32 13 00-0012 SQ Spanish Tile Roofing, Blend, 171 Piece Per SQ.....	3,014.31	117.20
For >25 To 50, Deduct	-166.79	
For >50 To 75, Deduct	-283.85	
For >75 To 100, Deduct	-373.10	
For >100 To 200, Deduct	-434.56	
For >200, Deduct	-468.22	
For 20 Year Warranty, Add	194.59	
07 32 13 00-0013 SQ Spanish Tile Roofing, Glazed White, 171 Piece Per SQ.....	3,801.66	117.20
For >25 To 50, Deduct	-214.03	
For >50 To 75, Deduct	-362.58	
For >75 To 100, Deduct	-475.46	
For >100 To 200, Deduct	-552.67	
For >200, Deduct	-594.20	
For 20 Year Warranty, Add	249.70	
07 32 13 00-0014 SQ Two Piece Mission Tile Roofing, 192 Piece Per SQ.....	4,253.86	183.73
For >25 To 50, Deduct	-233.18	
For >50 To 75, Deduct	-397.83	
For >75 To 100, Deduct	-523.61	
For >100 To 200, Deduct	-610.52	
For >200, Deduct	-658.57	
For 20 Year Warranty, Add	272.05	
07 32 13 00-0015 SQ One Piece Mission Tile Roofing, 75 Piece Per SQ.....	1,461.27	128.03
For >25 To 50, Deduct	-72.31	
For >50 To 75, Deduct	-126.92	
For >75 To 100, Deduct	-169.48	
For >100 To 200, Deduct	-199.98	
For >200, Deduct	-218.44	
For 20 Year Warranty, Add	84.36	
07 32 13 00-0016 SQ One Piece Mission Tile Roofing, 134 Piece Per SQ.....	1,859.91	183.73
For >25 To 50, Deduct	-89.55	
For >50 To 75, Deduct	-158.43	
For >75 To 100, Deduct	-212.39	
For >100 To 200, Deduct	-251.43	
For >200, Deduct	-275.54	
For 20 Year Warranty, Add	104.47	

**07 32 16 Concrete Roof Tiles (07 32)****07 32 16 00-0001 Corrugated Tiles And Shakes Nailed To Wood (07 32 16)**

Note: Includes 30 lb felt underlayment.

07 32 16 00-0002 SQ 13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Earthtone Colors, Corrugated.....	688.82	194.08
For >50 To 75, Deduct	-12.02	
For >75 To 100, Deduct	-30.75	
For >100 To 200, Deduct	-52.48	
For >200, Deduct	-71.20	
For Steep Roof, Over 7 To 12, Add	124.23	
07 32 16 00-0003 SQ 13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Custom Blues, Corrugated.....	1,007.79	194.08
For >50 To 75, Deduct	-24.78	
For >75 To 100, Deduct	-53.08	
For >100 To 200, Deduct	-87.56	
For >200, Deduct	-115.86	
For Steep Roof, Over 7 To 12, Add	124.23	
07 32 16 00-0004 SQ 13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Custom Greens Corrugated.....	752.61	194.08
For >50 To 75, Deduct	-14.58	
For >75 To 100, Deduct	-35.21	
For >100 To 200, Deduct	-59.49	
For >200, Deduct	-80.13	
For Steep Roof, Over 7 To 12, Add	124.23	
07 32 16 00-0005 SQ 13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Colors, Shakes.....	727.69	173.65
For >50 To 75, Deduct	-15.21	
For >75 To 100, Deduct	-35.31	
For >100 To 200, Deduct	-59.21	
For >200, Deduct	-79.30	
For Steep Roof, Over 7 To 12, Add	111.15	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**07 32 16 00-0006****Accessories** (07 32 16)

07 32 16 00-0007	EA	Ridge And Hip, 10" X 16-1/2", 8 LB Each For Concrete Tile Roof.....	5.39	
07 32 16 00-0008	EA	Rake, 6-1/2" X 16-3/4", 9 LB Each For Concrete Tile Roof.....	3.54	
07 32 16 00-0009	EA	Mansard Hip, 10" X 16-1/2", 9.2 LB Each For Concrete Tile Roof.....	5.35	
07 32 16 00-0010	EA	Hip Starter, 10" X 16-1/2", 10.5 LB Each For Concrete Tile Roof.....	6.13	
07 32 16 00-0011	EA	3 Or 4 Way Apex, 10" Each Side, 11.5 LB Each For Concrete Tile Roof.....	6.38	

**07 32 33****Polymer Roofing Tiles** (07 32)**07 32 33 00-0001****DaVinci Polymer Roofing Tiles** (07 32 33)

Note: Texas. Includes 30 LB felt underlayment, typical ice and water shield requirements, and edge and valley metal requirements.

**07 32 33 00-0002****DaVinci Bellaforte Shakes** (07 32 33 00-0001)

07 32 33 00-0003	SQ	12" Exposure, Hand Split Jumbo Cedar Random Width Look, 1" Thick (Average), VariBlend Polymer Roofing Tile (DaVinci Bellaforte Shake).....	786.39	117.95
07 32 33 00-0004	LF	4" x 12" Starter (DaVinci Bellaforte Shake).....	9.61	0.80
07 32 33 00-0005	LF	One Piece Rake System (DaVinci Bellaforte Shake).....	9.12	0.80
07 32 33 00-0006	LF	One Piece Hip/Ridge (DaVinci Bellaforte Shake).....	11.89	0.80
07 32 33 00-0007	EA	Transition Tile (Self Aligning Edge Removed) (DaVinci Bellaforte Shake).....	8.81	0.80

**07 32 33 00-0008****DaVinci Multi-Width Shakes** (07 32 33 00-0001)

07 32 33 00-0009	SQ	10" Exposure, 4" To 9" Widths, Hand Split Medium Cedar Shake Look, 5/8" To 1/4" Thick, Polymer Roofing Tile (DaVinci Multi-Width Shake).....	1,214.88	117.95
07 32 33 00-0010	SQ	9" Exposure, 4" To 9" Widths, Hand Split Medium Cedar Shake Look, 5/8" To 1/4" Thick, Polymer Roofing Tile (DaVinci Multi-Width Shake).....	1,373.72	117.95
07 32 33 00-0011	LF	12" x 12" Starter (DaVinci Multi-Width Shake).....	11.21	0.80
07 32 33 00-0012	LF	12" Width, One Piece Hip/Ridge (DaVinci Multi-Width Shake).....	16.15	0.80
07 32 33 00-0013	LF	6" Width, Two Piece Hip/Ridge (DaVinci Multi-Width Shake).....	13.39	0.80
07 32 33 00-0014	LF	12" Width Valley (DaVinci Multi-Width Shake).....	24.55	0.80
07 32 33 00-0015	EA	12" Solid Accessory Shake (DaVinci Multi-Width Shake).....	35.13	0.80

**07 32 33 00-0016****DaVinci Bellaforte Slates** (07 32 33 00-0001)

07 32 33 00-0017	SQ	12" Exposure, 12" Wide, Single Width Slate Look, 1/2" Thick, VariBlend Polymer Roofing Tile (DaVinci Bellaforte Slate).....	881.85	117.95
07 32 33 00-0018	LF	3-1/2" x 12" Starter (DaVinci Bellaforte Slate).....	9.65	0.80
07 32 33 00-0019	LF	One Piece Rake System (DaVinci Bellaforte Slate).....	9.16	0.80
07 32 33 00-0020	LF	One Piece Hip/Ridge (DaVinci Bellaforte Slate).....	11.77	0.80
07 32 33 00-0021	EA	Transition Tile (Self Aligning Edge Removed) (DaVinci Bellaforte Slate).....	8.84	0.80

**07 32 33 00-0022****DaVinci Single-Width Slates** (07 32 33 00-0001)

07 32 33 00-0023	SQ	8" Exposure, 18" Long x 12" Width, Single Width Slate Look, 1/2" Thick, VariBlend Polymer Roofing Tile (DaVinci Single-Width Slate).....	1,102.27	117.95
07 32 33 00-0024	SQ	7-1/2" Exposure, 18" Long x 12" Width, Single Width Slate Look, 1/2" Thick, VariBlend Polymer Roofing Tile (DaVinci Single-Width Slate).....	1,186.87	117.95
07 32 33 00-0025	SQ	7" Exposure, 18" Long x 12" Width, Single Width Slate Look, 1/2" Thick, VariBlend Polymer Roofing Tile (DaVinci Single-Width Slate).....	1,271.49	117.95
07 32 33 00-0026	SQ	6" Exposure, 18" Long x 12" Width, Single Width Slate Look, 1/2" Thick, VariBlend Polymer Roofing Tile (DaVinci Single-Width Slate).....	1,471.26	117.95
07 32 33 00-0027	LF	12" x 12" Starter (DaVinci Single-Width Slate).....	11.36	0.80
07 32 33 00-0028	LF	6" Width Hip/Ridge (DaVinci Single-Width Slate).....	17.25	0.80
07 32 33 00-0029	LF	4" Turret Accessory Slate (DaVinci Single-Width Slate).....	14.92	0.80
07 32 33 00-0030	EA	12" Solid Accessory Slate (DaVinci Single-Width Slate).....	22.01	0.80

**07 32 33 00-0031****DaVinci Multi-Width Slates** (07 32 33 00-0001)

07 32 33 00-0032	SQ	8" Exposure, 18" Long X 6" To 12" Width, Multi Width Slate Look, 1/2" Thick, Polymer Roofing Tile (DaVinci Multi-Width Slate).....	1,252.71	117.95
07 32 33 00-0033	SQ	7-1/2" Exposure, 18" Long X 6" To 12" Width, Multi Width Slate Look, 1/2" Thick, Polymer Roofing Tile (DaVinci Multi-Width Slate).....	1,332.56	117.95
07 32 33 00-0034	SQ	7" Exposure, 18" Long X 6" To 12" Width, Multi Width Slate Look, 1/2" Thick, Polymer Roofing Tile (DaVinci Multi-Width Slate).....	1,428.95	117.95
07 32 33 00-0035	SQ	6" Exposure, 18" Long X 6" To 12" Width, Multi Width Slate Look, 1/2" Thick, Polymer Roofing Tile (DaVinci Multi-Width Slate).....	1,664.00	117.95
07 32 33 00-0036	LF	12" x 12" Starter (DaVinci Multi-Width Slate).....	11.36	0.80
07 32 33 00-0037	LF	6" Width, Two Piece Hip/Ridge (DaVinci Multi-Width Slate).....	17.25	0.80
07 32 33 00-0038	LF	7" Width, Two Piece Hip/Ridge (DaVinci Multi-Width Slate).....	18.16	0.80
07 32 33 00-0039	LF	4" Turret Accessory Slate (DaVinci Multi-Width Slate).....	14.92	0.80
07 32 33 00-0040	EA	12" Solid Accessory Slate (DaVinci Multi-Width Slate).....	22.01	0.80

**07 34 Roofing Underlayment** (07 30)**07 34 00 00-0001****Mechanically Fastened, Roofing Underlayment** (07 34)

Note: Standard slope.



**07 Thermal And Moisture Protection****07 30 Steep Slope Roofing****07 34 Roofing Underlayment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 34 00 00-0002	SQ		15 LB, Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened.....	17.67	3.79
			<i>For Steep Roof, Over 7 To 12, Add</i>	2.43	
			<i>For &gt;50 To 75, Deduct</i>	-0.40	
			<i>For &gt;75 To 100, Deduct</i>	-0.89	
			<i>For &gt;100 To 200, Deduct</i>	-1.49	
			<i>For &gt;200, Deduct</i>	-2.17	
07 34 00 00-0003	SQ		30 LB, Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened.....	27.28	5.22
			<i>For Steep Roof, Over 7 To 12, Add</i>	3.34	
			<i>For &gt;50 To 75, Deduct</i>	-0.67	
			<i>For &gt;75 To 100, Deduct</i>	-1.44	
			<i>For &gt;100 To 200, Deduct</i>	-2.37	
			<i>For &gt;200, Deduct</i>	-3.40	
07 34 00 00-0004	SQ		30 LB, Asphalt Saturated Organic Felt Shake Underlayment, Mechanically Fastened.....	30.44	5.22
			<i>For Steep Roof, Over 7 To 12, Add</i>	3.34	
			<i>For &gt;50 To 75, Deduct</i>	-0.80	
			<i>For &gt;75 To 100, Deduct</i>	-1.66	
			<i>For &gt;100 To 200, Deduct</i>	-2.72	
			<i>For &gt;200, Deduct</i>	-3.84	
07 34 00 00-0005	SQ		Fire Rated, Polypropylene Roofing Underlayment, Mechanically Fastened (Rex™ Synfelt) .....	33.81	7.91
			<i>For Steep Roof, Over 7 To 12, Add</i>	5.07	
			<i>For &gt;50 To 75, Deduct</i>	-0.72	
			<i>For &gt;75 To 100, Deduct</i>	-1.65	
			<i>For &gt;100 To 200, Deduct</i>	-2.77	
			<i>For &gt;200, Deduct</i>	-4.10	
07 34 00 00-0006	SQ		17 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 25).....	37.56	7.91
			<i>For Steep Roof, Over 7 To 12, Add</i>	5.07	
			<i>For &gt;50 To 75, Deduct</i>	-0.87	
			<i>For &gt;75 To 100, Deduct</i>	-1.92	
			<i>For &gt;100 To 200, Deduct</i>	-3.18	
			<i>For &gt;200, Deduct</i>	-4.63	
07 34 00 00-0007	SQ		25 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 30).....	43.75	7.91
			<i>For Steep Roof, Over 7 To 12, Add</i>	5.07	
			<i>For &gt;50 To 75, Deduct</i>	-1.12	
			<i>For &gt;75 To 100, Deduct</i>	-2.35	
			<i>For &gt;100 To 200, Deduct</i>	-3.86	
			<i>For &gt;200, Deduct</i>	-5.49	
07 34 00 00-0008	SQ		30 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 50).....	40.65	7.91
			<i>For Steep Roof, Over 7 To 12, Add</i>	5.07	
			<i>For &gt;50 To 75, Deduct</i>	-0.99	
			<i>For &gt;75 To 100, Deduct</i>	-2.13	
			<i>For &gt;100 To 200, Deduct</i>	-3.52	
			<i>For &gt;200, Deduct</i>	-5.06	
07 34 00 00-0009			<b>Self-Adhering, Roofing Underlayment</b> <small>(07 34)</small> Note: Standard slope.		
07 34 00 00-0010	SQ		48 Mil, Fire Rated, Polymeric Asphalt Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Mat).....	70.53	9.60
			<i>For Steep Roof, Over 7 To 12, Add</i>	6.14	
			<i>For &gt;50 To 75, Deduct</i>	-2.05	
			<i>For &gt;75 To 100, Deduct</i>	-4.07	
			<i>For &gt;100 To 200, Deduct</i>	-6.61	
			<i>For &gt;200, Deduct</i>	-9.11	
07 34 00 00-0011	SQ		60 Mil, Fire Rated, Granule Surfaced, Rubberized Asphalt Adhesive, Roofing Underlayment, Self-Adhering (Grace Basik®).....	106.39	9.60
			<i>For Steep Roof, Over 7 To 12, Add</i>	6.14	
			<i>For &gt;50 To 75, Deduct</i>	-3.49	
			<i>For &gt;75 To 100, Deduct</i>	-6.58	
			<i>For &gt;100 To 200, Deduct</i>	-10.55	
			<i>For &gt;200, Deduct</i>	-14.13	
07 34 00 00-0012	SQ		53 Mil, Fire Rated, Granule Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® G) .....	74.97	9.60
			<i>For Steep Roof, Over 7 To 12, Add</i>	6.14	
			<i>For &gt;50 To 75, Deduct</i>	-2.23	
			<i>For &gt;75 To 100, Deduct</i>	-4.38	
			<i>For &gt;100 To 200, Deduct</i>	-7.10	
			<i>For &gt;200, Deduct</i>	-9.73	
07 34 00 00-0013	SQ		65 Mil, Fire Rated, Polyester Non Woven Fabric Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self Adhering (Owens Corning® WeatherLock® Specialty Tile And Metal).....	70.53	9.60
			<i>For Steep Roof, Over 7 To 12, Add</i>	6.14	
			<i>For &gt;50 To 75, Deduct</i>	-2.05	
			<i>For &gt;75 To 100, Deduct</i>	-4.07	
			<i>For &gt;100 To 200, Deduct</i>	-6.61	
			<i>For &gt;200, Deduct</i>	-9.11	
07 34 00 00-0014	SQ		45 Mil, Fire Rated, High Temperature, Synthetic Polymer Surfaced, Modified Rubberized Asphalt, Roofing Underlayment, Self-Adhering (TITANIUM™ PSU-30) .....	101.22	9.60
			<i>For Steep Roof, Over 7 To 12, Add</i>	6.14	
			<i>For &gt;50 To 75, Deduct</i>	-3.28	
			<i>For &gt;75 To 100, Deduct</i>	-6.22	
			<i>For &gt;100 To 200, Deduct</i>	-9.98	
			<i>For &gt;200, Deduct</i>	-13.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 34 00 00-0015 SQ 25 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Select).....	85.02	9.60
<i>For Steep Roof, Over 7 To 12, Add</i>	6.14	
<i>For &gt;50 To 75, Deduct</i>	-2.63	
<i>For &gt;75 To 100, Deduct</i>	-5.09	
<i>For &gt;100 To 200, Deduct</i>	-8.20	
<i>For &gt;200, Deduct</i>	-11.14	
07 34 00 00-0016 SQ 40 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield®).....	126.77	9.60
<i>For Steep Roof, Over 7 To 12, Add</i>	6.14	
<i>For &gt;50 To 75, Deduct</i>	-4.30	
<i>For &gt;75 To 100, Deduct</i>	-8.01	
<i>For &gt;100 To 200, Deduct</i>	-12.79	
<i>For &gt;200, Deduct</i>	-16.98	
07 34 00 00-0017 SQ 40 Mil, Fire Rated, High Temperature, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield® HT).....	145.06	9.60
<i>For Steep Roof, Over 7 To 12, Add</i>	6.14	
<i>For &gt;50 To 75, Deduct</i>	-5.03	
<i>For &gt;75 To 100, Deduct</i>	-9.29	
<i>For &gt;100 To 200, Deduct</i>	-14.81	
<i>For &gt;200, Deduct</i>	-19.54	
07 34 00 00-0018 SQ 30 Mil, Fire Rated, High Temperature, Fire Rated, Embossed Surface, Butyl Rubber Based Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ultra).....	213.69	9.60
<i>For Steep Roof, Over 7 To 12, Add</i>	6.14	
<i>For &gt;50 To 75, Deduct</i>	-7.78	
<i>For &gt;75 To 100, Deduct</i>	-14.09	
<i>For &gt;100 To 200, Deduct</i>	-22.35	
<i>For &gt;200, Deduct</i>	-29.15	

## 07 40 Roofing And Siding Panels <sup>(07)</sup>

### 07 41 Roof Panels <sup>(07 40)</sup>

Note: Includes standard fasteners, grommets, cleats for installation.

#### 07 41 13 Metal Roof Panels <sup>(07 41)</sup>

##### 07 41 13 00-0001 Exposed Fastener Metal Roofing <sup>(07 41 13)</sup>

Note: Includes 15 year warranty and all warranties are no dollar limit to include material and labor.

##### 07 41 13 00-0002 Galvanized Exposed Fastener Metal Roofing <sup>(07 41 13 00-0001)</sup>

##### 07 41 13 00-0003 Galvanized Steel Exposed Fastener Metal Roof Panels <sup>(07 41 13 00-0002)</sup>

07 41 13 00-0004 SF 18 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	6.06	0.54
<i>For Fluoropolymer (Kynar®) Coating, Add</i>	0.84	
<i>For Steep Roof, Over 7 To 12, Add</i>	0.76	
07 41 13 00-0005 SF 20 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	5.40	0.54
<i>For Fluoropolymer (Kynar®) Coating, Add</i>	0.84	
<i>For Steep Roof, Over 7 To 12, Add</i>	0.76	
07 41 13 00-0006 SF 22 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	4.95	0.54
<i>For Fluoropolymer (Kynar®) Coating, Add</i>	0.84	
<i>For Steep Roof, Over 7 To 12, Add</i>	0.76	
07 41 13 00-0007 SF 24 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	4.50	0.54
<i>For Fluoropolymer (Kynar®) Coating, Add</i>	0.84	
<i>For Steep Roof, Over 7 To 12, Add</i>	0.76	
07 41 13 00-0008 SF 26 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	4.12	0.54
<i>For Fluoropolymer (Kynar®) Coating, Add</i>	0.84	
<i>For Steep Roof, Over 7 To 12, Add</i>	0.76	
07 41 13 00-0009 SF 29 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	3.80	0.54
<i>For Fluoropolymer (Kynar®) Coating, Add</i>	0.84	
<i>For Steep Roof, Over 7 To 12, Add</i>	0.76	
07 41 13 00-0010 SF 30 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	3.67	0.54
<i>For Fluoropolymer (Kynar®) Coating, Add</i>	0.84	
<i>For Steep Roof, Over 7 To 12, Add</i>	0.76	

##### 07 41 13 00-0011 Galvanized Exposed Fastener Metal Roof Accessories <sup>(07 41 13 00-0002)</sup>

See CSI section 07 41 13 00-0038 for accessories.

07 41 13 00-0012 LF Ridge Flashing For Galvanized Steel Exposed Fastener Roofing.....	20.81	2.36
<i>For Steep Roof, Over 7 To 12, Add</i>	3.00	
<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.14	
07 41 13 00-0013 LF Eave Flashing For Galvanized Steel Exposed Fastener Roofing.....	16.16	2.36
<i>For Steep Roof, Over 7 To 12, Add</i>	3.00	
<i>For Fluoropolymer (Kynar®) Coating, Add</i>	0.68	
07 41 13 00-0014 LF Valley Flashing For Galvanized Steel Exposed Fastener Roofing.....	25.30	2.36
<i>For Steep Roof, Over 7 To 12, Add</i>	3.00	
<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.59	
07 41 13 00-0015 LF Hip Flashing For Galvanized Steel Exposed Fastener Roofing.....	21.22	2.36
<i>For Steep Roof, Over 7 To 12, Add</i>	3.00	
<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.18	

##### 07 41 13 00-0016 Aluminum Exposed Fastener Metal Roofing <sup>(07 41 13 00-0001)</sup>

##### 07 41 13 00-0017 Aluminum Exposed Fastener Metal Roof Panels <sup>(07 41 13 00-0016)</sup>

**07 Thermal And Moisture Protection****07 40 Roofing And Siding Panels****07 41 Roof Panels**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0018	SF		0.0155", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels ..... <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	3.38 0.84 0.76	0.54
07 41 13 00-0019	SF		0.018", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels ..... <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	3.54 0.84 0.76	0.54
07 41 13 00-0020	SF		0.024", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels ..... <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	3.94 0.84 0.76	0.54
07 41 13 00-0021	SF		0.032", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels ..... <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	4.47 0.84 0.76	0.54
07 41 13 00-0022	SF		0.040", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels ..... <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	4.99 0.84 0.76	0.54
07 41 13 00-0023	SF		0.050", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels ..... <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	5.65 0.84 0.76	0.54
<b>07 41 13 00-0024</b>			<b>Aluminum Exposed Fastener Metal Roof Accessories</b> <small>(07 41 13 00-0016)</small>		
07 41 13 00-0025	LF		Ridge Flashing For Aluminum Exposed Fastener Metal Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	20.09 1.89 1.42	2.36
07 41 13 00-0026	LF		Eave Flashing For Aluminum Exposed Fastener Metal Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	14.27 1.89 0.84	2.36
07 41 13 00-0027	LF		Valley Flashing For Aluminum Exposed Fastener Metal Roofing ..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	25.70 1.89 1.98	2.36
07 41 13 00-0028	LF		Hip Flashing For Aluminum Exposed Fastener Metal Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	20.60 1.89 1.47	2.36
<b>07 41 13 00-0029</b>			<b>Standing Seam Roofs</b> <small>(07 41 13)</small> Note: Includes all profiles of vertical leg and batten style standing seam roofing. Includes all clips, neoprene closures, metal closures, battens, tape sealer, tube sealant, fasteners, vent material, panel starters and cleats. Based on Garland R-Mer Clad or R-Mer Seam architectural roofing, R-Mer Loc architectural/structural roofing, and R-Mer Span structural roofing. Architectural roofing requires a solid substrate and underlayment, requires a minimum 3:12 pitch, and includes a 20 year no dollar limit warranty. Architectural/structural roofing does not require a solid substrate or underlayment, requires a minimum 3:12 pitch, and includes a 25 year no dollar limit warranty. Structural roofing does not require a solid substrate or underlayment, requires a minimum 1/4" per foot slope, and includes a 25 year no dollar limit warranty.		
<b>07 41 13 00-0030</b>			<b>Galvanized Steel Standing Seam Concealed Fastener Roofing</b> <small>(07 41 13 00-0029)</small> Note: All steel is galvanized G90 rated or galvalume®. Factory paint finish is Kynar 500®, Hylar 5000® or equal PVCF finish.		
<b>07 41 13 00-0031</b>			<b>Galvanized Steel Standing Seam Concealed Fastener Roofing</b> <small>(07 41 13 00-0030)</small>		
07 41 13 00-0032	SF		Architectural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing ..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i>	8.33 0.94 0.42 0.99 2.08 1.25 0.21	1.25
07 41 13 00-0033	SF		Architectural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing ..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i>	8.82 0.94 0.43 1.02 2.21 1.32 0.22	1.25
07 41 13 00-0034	SF		Architectural/Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i>	7.90 0.94 0.41 0.97 1.98 1.19 0.20	1.25
07 41 13 00-0035	SF		Architectural/Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i>	8.07 0.94 0.41 0.98 2.02 1.21 0.20	1.25
07 41 13 00-0036	SF		Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i>	8.26 0.94 0.41 0.99 2.07 1.24 0.21	1.25



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0037 SF Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing.....	8.98	1.25
<i>For Steep Roof, Over 6 To 12, Add</i>	0.94	
<i>For 140 MPH Wind Load, Add</i>	0.43	
<i>For Panels &lt;16" Wide, Add</i>	1.03	
<i>For Up To 1,500, Add</i>	2.25	
<i>For &gt;1,500 To 5,000, Add</i>	1.35	
<i>For &gt;5,000 To 10,000, Add</i>	0.22	
<b>07 41 13 00-0038 Accessories For Galvanized Steel Standing Seam Roofing (07 41 13 00-0030)</b>		
07 41 13 00-0039 LF Ridge Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing.....	21.96	3.75
<i>For Steep Roof, Over 6 To 12, Add</i>	2.81	
<i>For 140 MPH Wind Load, Add</i>	1.19	
07 41 13 00-0040 LF Eave Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing.....	16.84	3.75
<i>For Steep Roof, Over 6 To 12, Add</i>	2.81	
<i>For 140 MPH Wind Load, Add</i>	1.09	
07 41 13 00-0041 LF Valley Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing .....	26.90	3.75
<i>For Steep Roof, Over 6 To 12, Add</i>	2.81	
<i>For 140 MPH Wind Load, Add</i>	1.29	
07 41 13 00-0042 LF Hip Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing.....	22.40	3.75
<i>For Steep Roof, Over 6 To 12, Add</i>	2.81	
<i>For 140 MPH Wind Load, Add</i>	1.20	
<b>07 41 13 00-0043 Aluminum Standing Seam Concealed Fastener Roofing (07 41 13 00-0029)</b>		
Note: Factory paint finish is Kynar 500®, Hylar 5000® or equal PVCF finish.		
<b>07 41 13 00-0044 Aluminum Standing Seam Concealed Fastener Roofing (07 41 13 00-0043)</b>		
07 41 13 00-0045 SF Architectural 0.032" Aluminum Standing Seam Concealed Fastener Roofing.....	8.67	1.25
<i>For Steep Roof, Over 6 To 12, Add</i>	0.94	
<i>For 140 MPH Wind Load, Add</i>	0.42	
<i>For Panels &lt;16" Wide, Add</i>	1.01	
<i>For Up To 1,500, Add</i>	2.17	
<i>For &gt;1,500 To 5,000, Add</i>	1.30	
<i>For &gt;5,000 To 10,000, Add</i>	0.22	
07 41 13 00-0046 SF Architectural 0.040" Aluminum Standing Seam Concealed Fastener Roofing.....	9.09	1.25
<i>For Steep Roof, Over 6 To 12, Add</i>	0.94	
<i>For 140 MPH Wind Load, Add</i>	0.43	
<i>For Panels &lt;16" Wide, Add</i>	1.03	
<i>For Up To 1,500, Add</i>	2.27	
<i>For &gt;1,500 To 5,000, Add</i>	1.36	
<i>For &gt;5,000 To 10,000, Add</i>	0.23	
07 41 13 00-0047 SF Architectural/Structural Or Structural 0.032" Aluminum Standing Seam Concealed Fastener Roofing .....	8.44	1.25
<i>For Steep Roof, Over 6 To 12, Add</i>	0.94	
<i>For 140 MPH Wind Load, Add</i>	0.42	
<i>For Panels &lt;16" Wide, Add</i>	1.00	
<i>For Up To 1,500, Add</i>	2.11	
<i>For &gt;1,500 To 5,000, Add</i>	1.27	
<i>For &gt;5,000 To 10,000, Add</i>	0.21	
07 41 13 00-0048 SF Architectural/Structural Or Structural 0.040" Aluminum Standing Seam Concealed Fastener Roofing .....	9.20	1.25
<i>For Steep Roof, Over 6 To 12, Add</i>	0.94	
<i>For 140 MPH Wind Load, Add</i>	0.43	
<i>For Panels &lt;16" Wide, Add</i>	1.04	
<i>For Up To 1,500, Add</i>	2.30	
<i>For &gt;1,500 To 5,000, Add</i>	1.38	
<i>For &gt;5,000 To 10,000, Add</i>	0.23	
<b>07 41 13 00-0049 Accessories For Aluminum Standing Seam Roofing (07 41 13 00-0043)</b>		
07 41 13 00-0050 LF Ridge Flashing For Aluminum Standing Seam Concealed Fastener Roofing.....	24.99	3.75
<i>For Steep Roof, Over 6 To 12, Add</i>	2.81	
<i>For 140 MPH Wind Load, Add</i>	1.25	
07 41 13 00-0051 LF Eave Flashing For Aluminum Standing Seam Concealed Fastener Roofing.....	18.58	3.75
<i>For Steep Roof, Over 6 To 12, Add</i>	2.81	
<i>For 140 MPH Wind Load, Add</i>	1.12	
07 41 13 00-0052 LF Valley Flashing For Aluminum Standing Seam Concealed Fastener Roofing .....	31.16	3.75
<i>For Steep Roof, Over 6 To 12, Add</i>	2.81	
<i>For 140 MPH Wind Load, Add</i>	1.37	
07 41 13 00-0053 LF Hip Flashing For Aluminum Standing Seam Concealed Fastener Roofing.....	25.55	3.75
<i>For Steep Roof, Over 6 To 12, Add</i>	2.81	
<i>For 140 MPH Wind Load, Add</i>	1.26	
<b>07 41 13 00-0054 Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0029)</b>		
<b>07 41 13 00-0055 Stainless Steel Standing Seam Concealed Fastener Roofing (07 41 13 00-0054)</b>		
07 41 13 00-0056 SF Architectural 24 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing .....	16.68	1.88
<i>For Steep Roof, Over 6 To 12, Add</i>	1.41	
<i>For 140 MPH Wind Load, Add</i>	0.71	
<i>For Panels &lt;16" Wide, Add</i>	1.70	
<i>For Up To 1,500, Add</i>	4.17	
<i>For &gt;1,500 To 5,000, Add</i>	2.50	
<i>For &gt;5,000 To 10,000, Add</i>	0.42	

**07 Thermal And Moisture Protection****07 40 Roofing And Siding Panels****07 41 Roof Panels**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0057	SF		Architectural 22 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing.....	19.23	1.88
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.41	
			<i>For 140 MPH Wind Load, Add</i>	0.76	
			<i>For Panels &lt;16" Wide, Add</i>	1.83	
			<i>For Up To 1,500, Add</i>	4.81	
			<i>For &gt;1,500 To 5,000, Add</i>	2.88	
			<i>For &gt;5,000 To 10,000, Add</i>	0.48	
07 41 13 00-0058	SF		Architectural 24 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing.....	22.25	1.88
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.41	
			<i>For 140 MPH Wind Load, Add</i>	0.82	
			<i>For Panels &lt;16" Wide, Add</i>	1.98	
			<i>For Up To 1,500, Add</i>	5.56	
			<i>For &gt;1,500 To 5,000, Add</i>	3.34	
			<i>For &gt;5,000 To 10,000, Add</i>	0.56	
07 41 13 00-0059	SF		Architectural 22 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing.....	26.13	1.88
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.41	
			<i>For 140 MPH Wind Load, Add</i>	0.90	
			<i>For Panels &lt;16" Wide, Add</i>	2.17	
			<i>For Up To 1,500, Add</i>	6.53	
			<i>For &gt;1,500 To 5,000, Add</i>	3.92	
			<i>For &gt;5,000 To 10,000, Add</i>	0.65	
<b>07 41 13 00-0060</b>			<b>Accessories For Stainless Steel Standing Seam Concealed Fastener Roofing</b> <small>(07 41 13 00-0054)</small>		
07 41 13 00-0061	LF		Ridge Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing.....	57.37	3.75
			<i>For Steep Roof, Over 6 To 12, Add</i>	3.17	
			<i>For 140 MPH Wind Load, Add</i>	1.99	
07 41 13 00-0062	LF		Eave Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing.....	34.70	3.75
			<i>For Steep Roof, Over 6 To 12, Add</i>	3.17	
			<i>For 140 MPH Wind Load, Add</i>	1.54	
07 41 13 00-0063	LF		Valley Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing.....	78.80	3.75
			<i>For Steep Roof, Over 6 To 12, Add</i>	3.17	
			<i>For 140 MPH Wind Load, Add</i>	2.42	
07 41 13 00-0064	LF		Hip Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing.....	59.06	3.75
			<i>For Steep Roof, Over 6 To 12, Add</i>	3.17	
			<i>For 140 MPH Wind Load, Add</i>	2.03	
<b>07 41 13 00-0065</b>			<b>Metal Roof Surfacing</b> <small>(07 41 13)</small>		
07 41 13 00-0066	SF		Acrylic, Metal Roof Primer, One Coat.....	0.25	
			<i>For Steep Roof, Over 7 To 12, Add</i>	0.03	
07 41 13 00-0067	SF		Acrylic Elastomeric, Surface Or Base Coating For Metal Roofing, One Coat.....	0.39	
			Note: 55% solids by volume.		
			<i>For Steep Roof, Over 7 To 12, Add</i>	0.03	
<b>07 41 16</b>			<b>Insulated Metal Roof Panels</b> <small>(07 41)</small>		
07 41 16 00-0001			<b>Standing Seam Polyurethane Insulated Metal Roof Panels</b> <small>(07 41 16)</small>		
07 41 16 00-0002			<b>Standing Seam Polyurethane Insulated Metal Roof Panel</b> <small>(07 41 16 00-0001)</small>		
			Note: Exterior face gauge shall be 24 gauge, galvanized steel; Interior liner shall be 24 gauge. Galvalume® AZ-55 coating designation with texture; Non-CFC polyurethane foam core.		
07 41 16 00-0003	SF		2" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels.....	14.84	2.45
			<i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i>	0.24	
			<i>For Premium Exterior Colors, Add</i>	0.12	
07 41 16 00-0004	SF		2-1/2" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels.....	16.34	2.65
			<i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i>	0.24	
			<i>For Premium Exterior Colors, Add</i>	0.12	
07 41 16 00-0005	SF		3" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels.....	17.36	2.88
			<i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i>	0.24	
			<i>For Premium Exterior Colors, Add</i>	0.12	
07 41 16 00-0006	SF		4" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels.....	18.17	3.05
			<i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i>	0.24	
			<i>For Premium Exterior Colors, Add</i>	0.12	
07 41 16 00-0007	SF		5" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels.....	19.05	3.21
			<i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i>	0.24	
			<i>For Premium Exterior Colors, Add</i>	0.12	
07 41 16 00-0008	SF		6" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels.....	19.76	3.37
			<i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i>	0.24	
			<i>For Premium Exterior Colors, Add</i>	0.12	
<b>07 41 33</b>			<b>Plastic Roof Panels</b> <small>(07 41)</small>		
07 41 33 00-0001			<b>Polyvinyl Chloride (PVC) Roofing Panels</b> <small>(07 41 33)</small>		
07 41 33 00-0002			<b>Polyvinyl Chloride (PVC) Roofing Panels</b> <small>(07 41 33 00-0001)</small>		
07 41 33 00-0003	SF		Solid Polyvinyl Chloride (PVC) Roofing Panels, 8" Wide.....	3.60	1.06
07 41 33 00-0004	SF		Solid Polyvinyl Chloride (PVC) Roofing Panels, 10" Wide.....	3.51	0.95
07 41 33 00-0005	SF		Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 8" Wide.....	3.77	1.06
07 41 33 00-0006	SF		Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 10" Wide.....	3.65	0.95



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>07 41 33 00-0007 Polyvinyl Chloride (PVC) Roofing Accessories</b> (07 41 33 00-0001)		
07 41 33 00-0008 LF 1" "J" Channel, Starter Strip Trim.....	2.10	0.79
07 41 33 00-0009 LF 3-1/2" "J" Channel, Starter Strip Trim .....	3.37	0.79
07 41 33 00-0010 LF Outside Corner Post, 7/8" Pocket .....	3.74	0.79
07 41 33 00-0011 LF Inside Corner Post, 7/8" Pocket.....	2.75	0.79
<b>07 41 33 00-0012 Fiberglass Roofing Panel</b> (07 41 33)		
<b>07 41 33 00-0013 Corrugated Panels</b> (07 41 33 00-0012)		
07 41 33 00-0014 SF 8 Ounce Corrugated Fiberglass Panel.....	4.00	0.85
07 41 33 00-0015 SF 12 Ounce Corrugated Fiberglass Panel.....	4.74	0.85
<b>07 42 Wall Panels</b> (07 40)		
<b>07 42 13 Metal Wall Panels</b> (07 42)		
<b>07 42 13 19 Insulated Metal Wall Panels</b> (07 42 13)		
<b>07 42 13 19-0001 Insulated Panels For Sash/Window Replacement</b> (07 42 13 19)		
Note: Porcelain or polymer finish on aluminum panel with polystyrene core.		
07 42 13 19-0002 SF 1" Insulated Panel For Sash Or Window Replacement.....	11.33	1.57
<i>For Non-Insulated Panels, Deduct</i>		
	-2.04	
07 42 13 19-0003 SF 1-1/4" Insulated Panel For Sash Or Window Replacement .....	12.22	1.76
<i>For Non-Insulated Panels, Deduct</i>		
	-2.18	
07 42 13 19-0004 SF 1-3/4" Insulated Panel For Sash Or Window Replacement .....	13.06	1.96
<i>For Non-Insulated Panels, Deduct</i>		
	-2.32	
07 42 13 19-0005 SF 2-1/4" Insulated Panel For Sash Or Window Replacement .....	13.93	2.05
<i>For Non-Insulated Panels, Deduct</i>		
	-2.46	
07 42 13 19-0006 SF 3-1/4" Insulated Panel For Sash Or Window Replacement .....	15.90	2.24
<i>For Non-Insulated Panels, Deduct</i>		
	-2.86	
07 42 13 19-0007 SF 4-1/4" Insulated Panel For Sash Or Window Replacement .....	18.63	2.47
<i>For Non-Insulated Panels, Deduct</i>		
	-3.43	
<b>07 42 13 23 Metal Composite Material Wall Panels</b> (07 42 13)		
<b>07 42 13 23-0001 24 Gauge, Galvanized Steel Insulated Tongue And Groove Metal Siding Panels</b> (07 42 13 23)		
Note: G-90 galvanized steel, 24 gauge exterior face and 24 gauge interior liner. Galvalume® AZ-55 coating designation with texture. Non-CFC polyurethane foam core. Standard color on exterior and interior panels. CF Mesa Profile wall panels as manufactured by Mett-Span Corporation.		
07 42 13 23-0002 SF 2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels .....	12.47	1.35
<i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i>		
	0.24	
<i>For Premium Exterior Colors, Add</i>		
	0.12	
07 42 13 23-0003 SF 2-1/2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels .....	13.96	1.54
<i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i>		
	0.24	
<i>For Premium Exterior Colors, Add</i>		
	0.12	
07 42 13 23-0004 SF 3" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels .....	15.22	1.74
<i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i>		
	0.24	
<i>For Premium Exterior Colors, Add</i>		
	0.12	
07 42 13 23-0005 SF 4" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels .....	16.87	2.30
<i>For AZ-50 Aluminum-Zinc Coated Exterior, Add</i>		
	0.24	
<i>For Premium Exterior Colors, Add</i>		
	0.12	
<b>07 42 63 Fabricated Wall Panel Assemblies</b> (07 42)		
<b>07 42 63 00-0001 Insulated Freezer And Chiller Panels</b> (07 42 63)		
Note: Excludes suspension system for ceiling support.		
<b>07 42 63 00-0002 Polyurethane Sandwich Panel</b> (07 42 63 00-0001)		
Note: With 22 gauge galvanized sheet metal face excludes painting.		
07 42 63 00-0003 SF 2" 22 Gauge Freezer Panel Sheet Metal Both Faces .....	14.95	1.14
07 42 63 00-0004 SF 3" 22 Gauge Freezer Panel Sheet Metal Both Faces .....	15.86	1.14
07 42 63 00-0005 SF 4" 22 Gauge Freezer Panel Sheet Metal Both Faces .....	18.95	1.14
07 42 63 00-0006 SF 5" 22 Gauge Freezer Panel Sheet Metal Both Faces .....	20.54	1.20
07 42 63 00-0007 SF 6" 22 Gauge Freezer Panel Sheet Metal Both Faces .....	21.82	1.20
07 42 63 00-0008 SF 2" 22 Gauge Freezer Panel Sheet Metal One Face (Liner) .....	13.43	0.94
07 42 63 00-0009 SF 3" 22 Gauge Freezer Panel Sheet Metal One Face (Liner) .....	14.64	0.94
07 42 63 00-0010 SF 4" 22 Gauge Freezer Panel Sheet Metal One Face (Liner) .....	17.71	1.01
07 42 63 00-0011 SF 5" 22 Gauge Freezer Panel Sheet Metal One Face (Liner) .....	17.16	1.01
07 42 63 00-0012 SF 6" 22 Gauge Freezer Panel Sheet Metal One Face (Liner) .....	20.24	1.01
<b>07 42 63 00-0013 Polyurethane Sandwich Panel</b> (07 42 63 00-0001)		
Note: With .040 aluminum baked enamel finish.		
07 42 63 00-0014 SF 2" Freezer Panel 0.040" Aluminum Finish Both Faces .....	9.57	1.14
07 42 63 00-0015 SF 3" Freezer Panel 0.040" Aluminum Finish Both Faces .....	10.24	1.14

**07 Thermal And Moisture Protection****07 40 Roofing And Siding Panels****07 42 Wall Panels**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 42 63 00-0016	SF		4" Freezer Panel 0.040" Aluminum Finish Both Faces .....	11.97	1.14
07 42 63 00-0017	SF		5" Freezer Panel 0.040" Aluminum Finish Both Faces .....	13.04	1.20
07 42 63 00-0018	SF		6" Freezer Panel 0.040" Aluminum Finish Both Faces .....	13.78	1.20
07 42 63 00-0019	SF		2" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel) .....	8.59	0.94
07 42 63 00-0020	SF		3" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel) .....	9.26	0.94
07 42 63 00-0021	SF		4" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel) .....	9.97	1.01
07 42 63 00-0022	SF		5" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel) .....	11.69	1.01
07 42 63 00-0023	SF		6" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel) .....	12.74	1.01

**07 46 Siding (07 40)****07 46 16 Aluminum Siding (07 46)**

Note: Includes all necessary furring strips, trim for corners, windows and doors.

**07 46 16 00-0001 Aluminum Coil Stock Cladding (07 46 16)**

Note: Per SF of board, includes overlappage.

07 46 16 00-0002	SF		Aluminum Cladding, 0.016" Thick .....	6.45	2.17
07 46 16 00-0003	SF		Aluminum Cladding, 0.019" Thick .....	6.53	2.17
07 46 16 00-0004	SF		Aluminum Cladding, 0.024" Thick .....	6.68	2.17

**07 46 16 00-0005 Aluminum Siding Panels (07 46 16)****07 46 16 00-0006 Corrugated Aluminum Siding Panels (07 46 16 00-0005)**

Note: Includes factory applied PVDF paint finish.

07 46 16 00-0007	SF		0.019", Painted Finish, Corrugated Aluminum Siding Panel .....	4.46	1.18
07 46 16 00-0008	SF		0.021", Painted Finish, Corrugated Aluminum Siding Panel .....	4.66	1.18
07 46 16 00-0009	SF		0.024", Painted Finish, Corrugated Aluminum Siding Panel .....	5.29	1.18
07 46 16 00-0010	SF		0.032", Painted Finish, Corrugated Aluminum Siding Panel .....	6.51	1.18

**07 46 16 00-0011 V- Beam Aluminum Siding Panels (07 46 16 00-0005)**

Note: Includes factory applied PVDF paint finish.

07 46 16 00-0012	SF		0.032", Painted Finish, V- Beam Aluminum Siding Panel .....	6.46	1.18
07 46 16 00-0013	SF		0.040", Painted Finish, V- Beam Aluminum Siding Panel .....	7.27	1.18
07 46 16 00-0014	SF		0.050", Painted Finish, V- Beam Aluminum Siding Panel .....	9.21	1.18

**07 46 16 00-0015 Box Ribbed Aluminum Siding Panels (07 46 16 00-0005)**

Note: Includes factory applied PVDF paint finish.

07 46 16 00-0016	SF		0.032", Painted Finish, Box Ribbed Aluminum Siding Panel .....	6.82	1.18
07 46 16 00-0017	SF		0.040", Painted Finish, Box Ribbed Aluminum Siding Panel .....	7.61	1.18
07 46 16 00-0018	SF		0.050", Painted Finish, Box Ribbed Aluminum Siding Panel .....	8.09	1.18

**07 46 16 00-0019 Aluminum Soffit And Fascia (07 46 16)**

Note: Excludes J-channel.

07 46 16 00-0020	LF		6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit .....	1.96	0.56
			<i>For 0.015" Thick, Deduct</i> .....	-0.06	
07 46 16 00-0021	LF		10" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit .....	2.57	0.59
			<i>For 0.015" Thick, Deduct</i> .....	-0.10	
07 46 16 00-0022	LF		1" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit .....	2.89	0.60
			<i>For 0.015" Thick, Deduct</i> .....	-0.12	
07 46 16 00-0023	LF		1'-6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit .....	3.80	0.63
			<i>For 0.015" Thick, Deduct</i> .....	-0.17	
07 46 16 00-0024	LF		2" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit .....	4.76	0.69
			<i>For 0.015" Thick, Deduct</i> .....	-0.23	
07 46 16 00-0025	LF		3" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit .....	6.60	0.76
			<i>For 0.015" Thick, Deduct</i> .....	-0.37	
07 46 16 00-0026	LF		4" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit .....	8.43	0.83
			<i>For 0.015" Thick, Deduct</i> .....	-0.49	
07 46 16 00-0027	LF		5" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit .....	10.28	0.92
			<i>For 0.015" Thick, Deduct</i> .....	-0.60	
07 46 16 00-0028	LF		4" Exposure, 0.024" Thick, Aluminum Fascia .....	2.46	0.55
07 46 16 00-0029	LF		6" Exposure, 0.024" Thick, Aluminum Fascia .....	2.75	0.56
07 46 16 00-0030	LF		8" Exposure, 0.024" Thick, Aluminum Fascia .....	3.36	0.57
07 46 16 00-0031	LF		10" Exposure, 0.024" Thick, Aluminum Fascia .....	4.00	0.59

**07 46 16 00-0032 Aluminum Siding Accessories (07 46 16)**

07 46 16 00-0033	LF		3/8" Pocket, Aluminum J-Channel .....	1.45	0.52
07 46 16 00-0034	LF		1/2" Pocket, Aluminum J-Channel .....	1.45	0.52
07 46 16 00-0035	LF		3/4" Pocket, Aluminum J-Channel .....	1.84	0.52
07 46 16 00-0036	LF		3/8" Pocket, Aluminum F-Channel .....	1.75	0.52
07 46 16 00-0037	LF		1/2" Pocket, Aluminum F-Channel .....	1.75	0.52

**07 46 19 Steel Siding (07 46)**

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

**07 46 19 00-0001 Steel Siding Panels (07 46 19)**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>07 46 19 00-0002</b> <b>Corrugated Steel Siding Panels</b> <small>(07 46 19 00-0001)</small> Note: Includes factory applied PVDF paint finish.		
07 46 19 00-0003    SF    20 Gauge, Painted Finish, Corrugated Steel Siding Panel ..... <i>For Galvanized Instead Of Painted Steel, Add</i>	6.68 1.08	1.18
07 46 19 00-0004    SF    22 Gauge, Painted Finish, Corrugated Steel Siding Panel ..... <i>For Galvanized Instead Of Painted Steel, Add</i>	6.11 0.94	1.18
07 46 19 00-0005    SF    24 Gauge, Painted Finish, Corrugated Steel Siding Panel ..... <i>For Galvanized Instead Of Painted Steel, Add</i>	5.96 0.90	1.18
07 46 19 00-0006    SF    26 Gauge, Painted Finish, Corrugated Steel Siding Panel ..... <i>For Galvanized Instead Of Painted Steel, Add</i>	4.26 0.48	1.18
07 46 19 00-0007    SF    28 Gauge, Painted Finish, Corrugated Steel Siding Panel ..... <i>For Galvanized Instead Of Painted Steel, Add</i>	4.14 0.45	1.18
07 46 19 00-0008    SF    30 Gauge, Painted Finish, Corrugated Steel Siding Panel ..... <i>For Galvanized Instead Of Painted Steel, Add</i>	4.06 0.43	1.18
<b>07 46 19 00-0009</b> <b>Box Ribbed Steel Siding Panels</b> <small>(07 46 19 00-0001)</small> Note: Includes factory applied PVDF paint finish.		
07 46 19 00-0010    SF    20 Gauge, Painted Finish, Box Ribbed Steel Siding Panel ..... <i>For Galvanized Instead Of Painted Steel, Add</i>	6.25 0.97	1.18
07 46 19 00-0011    SF    22 Gauge, Painted Finish, Box Ribbed Steel Siding Panel ..... <i>For Galvanized Instead Of Painted Steel, Add</i>	5.99 0.91	1.18
07 46 19 00-0012    SF    24 Gauge, Painted Finish, Box Ribbed Steel Siding Panel ..... <i>For Galvanized Instead Of Painted Steel, Add</i>	5.82 0.87	1.18
07 46 19 00-0013    SF    26 Gauge, Painted Finish, Box Ribbed Steel Siding Panel ..... <i>For Galvanized Instead Of Painted Steel, Add</i>	5.53 0.79	1.18
07 46 19 00-0014    SF    28 Gauge, Painted Finish, Box Ribbed Steel Siding Panel ..... <i>For Galvanized Instead Of Painted Steel, Add</i>	4.91 0.64	1.18
<b>07 46 19 00-0015</b> <b>Clapboard Steel Siding Panels</b> <small>(07 46 19 00-0001)</small> Note: Includes factory applied PVDF paint finish.		
07 46 19 00-0016    SF    29 Gauge, Painted Finish, Clapboard Steel Siding Panel.....	3.92	0.59
<b>07 46 23</b> <b>Wood Siding</b> <small>(07 46)</small> Note: Includes all necessary furring strips, trim for corners, windows and doors.		
<b>07 46 23 00-0001</b> <b>Wood Lap Siding</b> <small>(07 46 23)</small>		
07 46 23 00-0002    LF    8" Wide Rough Sawn Cedar Lap Siding .....	1.73	0.58
07 46 23 00-0003    LF    10" Wide Rough Sawn Cedar Lap Siding .....	2.02	0.62
07 46 23 00-0004    LF    12" Wide Rough Sawn Cedar Lap Siding .....	2.33	0.67
07 46 23 00-0005    LF    6" To 8" Wide Southern Yellow Pine Lap Siding, D Grade .....	1.89	0.58
07 46 23 00-0006    LF    6" To 8" Wide Spruce Lap Siding, #2 Or Better .....	2.17	0.58
07 46 23 00-0007    LF    6" To 8" Wide Western Red Cedar, B Grade Lap Siding .....	2.76	0.58
07 46 23 00-0008    LF    6" To 8" Wide Western Red Cedar, A Grade Lap Siding .....	3.00	0.58
07 46 23 00-0009    LF    6" To 8" Wide Clear Heart Redwood Lap Siding.....	2.66	0.58
07 46 23 00-0010    LF    1" x 8" Cedar Round Or Flat Front Siding, Log Cabin.....	1.95	0.62
07 46 23 00-0011    LF    1" x 8" Cedar Beveled Siding, Channel, Rustic.....	1.95	0.62
<b>07 46 23 00-0012</b> <b>Tongue And Groove Siding</b> <small>(07 46 23)</small>		
07 46 23 00-0013    SF    1" x 6" Tongue And Groove Southern Yellow Pine Siding.....	1.73	0.58
07 46 23 00-0014    SF    1" x 8" Tongue And Groove Southern Yellow Pine Siding.....	1.98	0.58
07 46 23 00-0015    SF    1" x 6" 105 Southern Yellow Pine Siding .....	1.79	0.58
07 46 23 00-0016    SF    1" x 8" 105 Southern Yellow Pine Siding .....	2.12	0.58
<b>07 46 29</b> <b>Plywood Siding</b> <small>(07 46)</small> Note: Includes all necessary furring strips, trim for corners, windows and doors.		
<b>07 46 29 00-0001</b> <b>T-111 Siding</b> <small>(07 46 29)</small>		
07 46 29 00-0002    SF    5/8" T-111, Fine Grade Siding, Paint Ready Applied To Blackboard / Stud..... <i>For Pressure Treated, Add</i>	1.45 0.18	0.28
<b>07 46 33</b> <b>Plastic Siding</b> <small>(07 46)</small> Note: Includes all necessary furring strips, trim for corners, windows and doors.		
<b>07 46 33 00-0001</b> <b>Vinyl Siding</b> <small>(07 46 33)</small> Note: Includes standard manufacturer's colors.		
<b>07 46 33 00-0002</b> <b>Vinyl Siding Panels</b> <small>(07 46 33 00-0001)</small> Note: Excludes J-channels, starter strips and trim.		
<b>07 46 33 00-0003</b> <b>Horizontal Vinyl Siding Panels</b> <small>(07 46 33 00-0002)</small> Note: Includes single, double or triple profiles. Includes traditional clapboard or dutch lap styles.		
07 46 33 00-0004    SF    7" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel..... <i>For 0.040" Thick, Deduct</i> <i>For 0.042" Thick, Deduct</i> <i>For 0.046" Thick, Add</i> <i>For Manufacturer's Custom Colors, Add</i>	2.25 -0.13 0.05 0.34 0.04	0.68



**07 Thermal And Moisture Protection****07 40 Roofing And Siding Panels****07 46 Siding**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0005	SF		8" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	2.17	0.64
			<i>For 0.040" Thick, Deduct</i>	-0.13	
			<i>For 0.042" Thick, Deduct</i>	0.05	
			<i>For 0.046" Thick, Add</i>	0.34	
			<i>For Manufacturer's Custom Colors, Add</i>	0.04	
07 46 33 00-0006	SF		9" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	2.11	0.61
			<i>For 0.040" Thick, Deduct</i>	-0.13	
			<i>For 0.042" Thick, Deduct</i>	0.05	
			<i>For 0.046" Thick, Add</i>	0.34	
			<i>For Manufacturer's Custom Colors, Add</i>	0.04	
07 46 33 00-0007	SF		10" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	2.04	0.58
			<i>For 0.040" Thick, Deduct</i>	-0.13	
			<i>For 0.042" Thick, Deduct</i>	0.05	
			<i>For 0.046" Thick, Add</i>	0.34	
			<i>For Manufacturer's Custom Colors, Add</i>	0.04	
07 46 33 00-0008	SF		12" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	1.97	0.54
			<i>For 0.040" Thick, Deduct</i>	-0.13	
			<i>For 0.042" Thick, Deduct</i>	0.05	
			<i>For 0.046" Thick, Add</i>	0.34	
			<i>For Manufacturer's Custom Colors, Add</i>	0.04	
<b>07 46 33 00-0009</b>			<b>Vertical Vinyl Siding Panels</b> <small>(07 46 33 00-0002)</small>		
07 46 33 00-0010	SF		7" Exposure, 0.048" Thick, Board And Batten, Vinyl Siding Panel.....	2.93	0.68
			<i>For Manufacturer's Custom Colors, Add</i>	0.08	
<b>07 46 33 00-0011</b>			<b>Vinyl Siding Accessories</b> <small>(07 46 33 00-0001)</small>		
07 46 33 00-0012	LF		3/4" Pocket, Outside Corner Post For Vinyl Siding.....	3.29	0.52
			<i>For Manufacturer's Custom Colors, Add</i>	0.11	
07 46 33 00-0013	LF		1-1/8" Pocket, Outside Corner Post For Vinyl Siding.....	6.74	0.52
			<i>For Manufacturer's Custom Colors, Add</i>	0.29	
07 46 33 00-0014	LF		3/4" Pocket, Inside Corner Post For Vinyl Siding.....	2.42	0.52
			<i>For Manufacturer's Custom Colors, Add</i>	0.07	
07 46 33 00-0015	LF		1-1/8" Pocket, Inside Corner Post For Vinyl Siding.....	3.15	0.52
			<i>For Manufacturer's Custom Colors, Add</i>	0.11	
07 46 33 00-0016	LF		3/8" Pocket, J-Channel For Vinyl Siding.....	1.65	0.52
			<i>For Manufacturer's Custom Colors, Add</i>	0.03	
07 46 33 00-0017	LF		1/2" Pocket, J-Channel For Vinyl Siding.....	1.48	0.52
			<i>For Manufacturer's Custom Colors, Add</i>	0.03	
07 46 33 00-0018	LF		5/8" Pocket, J-Channel For Vinyl Siding.....	1.45	0.52
			<i>For Manufacturer's Custom Colors, Add</i>	0.02	
07 46 33 00-0019	LF		3/4" Pocket, J-Channel For Vinyl Siding.....	1.56	0.52
			<i>For Manufacturer's Custom Colors, Add</i>	0.03	
07 46 33 00-0020	LF		1" Pocket, J-Channel For Vinyl Siding.....	1.92	0.52
			<i>For Manufacturer's Custom Colors, Add</i>	0.04	
07 46 33 00-0021	LF		1-1/4" Pocket, J-Channel For Vinyl Siding.....	2.17	0.52
			<i>For Manufacturer's Custom Colors, Add</i>	0.06	
07 46 33 00-0022	LF		2-1/2" Pocket, J-Channel For Vinyl Siding.....	2.33	0.52
			<i>For Manufacturer's Custom Colors, Add</i>	0.05	
07 46 33 00-0023	LF		1/2" Pocket, F-Channel For Vinyl Siding.....	1.65	0.52
			<i>For Manufacturer's Custom Colors, Add</i>	0.04	
07 46 33 00-0024	LF		3/4" Pocket, 3-1/2" Lineal Trim For Vinyl Siding.....	4.09	0.72
			<i>For Manufacturer's Custom Colors, Add</i>	0.13	
07 46 33 00-0025	LF		3/4" Pocket, 5" Lineal Trim For Vinyl Siding.....	4.33	0.72
			<i>For Manufacturer's Custom Colors, Add</i>	0.15	
07 46 33 00-0026	LF		1-1/8" Pocket, 3-1/2" Lineal Trim For Vinyl Siding.....	4.86	0.72
			<i>For Manufacturer's Custom Colors, Add</i>	0.17	
07 46 33 00-0027	LF		3/8" Pocket, 1-7/8" H-Mold For Vinyl Siding.....	2.29	0.52
			<i>For Manufacturer's Custom Colors, Add</i>	0.06	
07 46 33 00-0028	LF		Vinyl Starter Strip For Vinyl Siding.....	3.05	0.52
			<i>For Manufacturer's Custom Colors, Add</i>	0.10	
07 46 33 00-0029	LF		Undersill Trim For Vinyl Siding.....	2.50	0.52
			<i>For Manufacturer's Custom Colors, Add</i>	0.07	
<b>07 46 33 00-0030</b>			<b>Vinyl Soffit And Fascia</b> <small>(07 46 33 00-0001)</small>		
			Note: Excludes J-channel.		
07 46 33 00-0031	LF		6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	1.92	0.56
			<i>For 0.038" Thick, Deduct</i>	-0.37	
			<i>For 0.040" Thick, Deduct</i>	-0.31	
			<i>For Manufacturer's Custom Colors, Add</i>	0.04	
07 46 33 00-0032	LF		10" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	2.51	0.59
			<i>For 0.038" Thick, Deduct</i>	-0.62	
			<i>For 0.040" Thick, Deduct</i>	-0.52	
			<i>For Manufacturer's Custom Colors, Add</i>	0.07	
07 46 33 00-0033	LF		1" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	2.83	0.60
			<i>For 0.038" Thick, Deduct</i>	-0.73	
			<i>For 0.040" Thick, Deduct</i>	-0.61	
			<i>For Manufacturer's Custom Colors, Add</i>	0.08	
07 46 33 00-0034	LF		1'-6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit.....	3.70	0.63
			<i>For 0.038" Thick, Deduct</i>	-1.12	
			<i>For 0.040" Thick, Deduct</i>	-0.92	
			<i>For Manufacturer's Custom Colors, Add</i>	0.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0035 LF 2' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit ..... <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For Manufacturer's Custom Colors, Add</i>	4.63 -1.49 -1.25 0.16	0.69
07 46 33 00-0036 LF 3' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit ..... <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For Manufacturer's Custom Colors, Add</i>	6.41 -2.24 -1.86 0.24	0.76
07 46 33 00-0037 LF 4' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit ..... <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For Manufacturer's Custom Colors, Add</i>	8.17 -2.97 -2.49 0.33	0.83
07 46 33 00-0038 LF 5' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit ..... <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For Manufacturer's Custom Colors, Add</i>	9.96 -3.72 -3.13 0.41	0.92
07 46 33 00-0039 LF 4" Exposure, Vinyl Fascia..... <i>For Manufacturer's Custom Colors, Add</i>	2.06 0.05	0.55
07 46 33 00-0040 LF 6" Exposure, Vinyl Fascia..... <i>For Manufacturer's Custom Colors, Add</i>	2.37 0.06	0.56
07 46 33 00-0041 LF 8" Exposure, Vinyl Fascia..... <i>For Manufacturer's Custom Colors, Add</i>	2.31 0.06	0.57
07 46 33 00-0042 LF 10" Exposure, Vinyl Fascia..... <i>For Manufacturer's Custom Colors, Add</i>	2.75 0.08	0.59
<b>07 46 33 00-0043</b> <b>Fiberglass Siding</b> <small>(07 46 33)</small>		
<b>07 46 33 00-0044</b> <b>Corrugated Panels</b> <small>(07 46 33 00-0043)</small>		
07 46 33 00-0045 SF 6 Ounce Corrugated Fiberglass Panels.....	3.42	0.79
07 46 33 00-0046 SF 8 Ounce Corrugated Fiberglass Panels.....	3.74	0.72
07 46 33 00-0047 SF 12 Ounce Corrugated Fiberglass Panels.....	4.31	0.72
<b>07 46 33 00-0048</b> <b>Flat Panels</b> <small>(07 46 33 00-0043)</small>		
07 46 33 00-0049 SF 6 Ounce Flat Fiberglass Panels.....	3.22	0.72
07 46 33 00-0050 SF 8 Ounce Flat Fiberglass Panels.....	3.74	0.72
<b>07 46 46</b> <b>Fiber-Cement Siding</b> <small>(07 46)</small>		
Note: Smooth or patterns. Includes sealer and primer.		
<b>07 46 46 00-0001</b> <b>5/16" Thick, Fiber Cement Lap Siding</b> <small>(07 46 46)</small>		
07 46 46 00-0002 SF 5-1/4" Board with 4" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	3.13	0.83
07 46 46 00-0003 SF 6-1/4" Board with 5" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	2.98	0.79
07 46 46 00-0004 SF 7-1/4" Board with 6" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	2.92	0.78
07 46 46 00-0005 SF 8-1/4" Board with 7" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	2.84	0.76
07 46 46 00-0006 SF 9-1/2" Board with 8" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	2.73	0.72
07 46 46 00-0007 LF 12" Board with 10-3/4" Exposure, 5/16" Thick, Fiber Cement Lap Siding.....	2.63	0.68
07 46 46 00-0008 LF Starter Strip, Fiber Cement Lap Siding.....	0.69	0.20
<b>07 46 46 00-0009</b> <b>Fiber Cement Shingle Siding</b> <small>(07 46 46)</small>		
07 46 46 00-0010 SF Fiber Cement Shingle Siding.....	5.90	0.74
<b>07 46 46 00-0011</b> <b>Fiber Cement Vertical Panel Siding</b> <small>(07 46 46)</small>		
07 46 46 00-0012 SF Fiber Cement Vertical Panel Siding.....	2.34	0.60
<b>07 46 46 00-0013</b> <b>Fiber Cement Trim Boards</b> <small>(07 46 46)</small>		
<b>07 46 46 00-0014</b> <b>7/16" Thick, Fiber Cement Trim Boards</b> <small>(07 46 46 00-0013)</small>		
07 46 46 00-0015 LF 4" Wide, 7/16" Thick, Fiber Cement Trim Board.....	1.49	0.40
07 46 46 00-0016 LF 6" Wide, 7/16" Thick, Fiber Cement Trim Board.....	2.05	0.44
07 46 46 00-0017 LF 8" Wide, 7/16" Thick, Fiber Cement Trim Board.....	2.57	0.47
07 46 46 00-0018 LF 12" Wide, 7/16" Thick, Fiber Cement Trim Board.....	3.52	0.56
<b>07 46 46 00-0019</b> <b>3/4" Thick Fiber Cement Trim Boards</b> <small>(07 46 46 00-0013)</small>		
07 46 46 00-0020 LF 4" Wide, 3/4" Thick, Fiber Cement Trim Board.....	1.61	0.40
07 46 46 00-0021 LF 6" Wide, 3/4" Thick, Fiber Cement Trim Board.....	2.23	0.44
07 46 46 00-0022 LF 8" Wide, 3/4" Thick, Fiber Cement Trim Board.....	2.87	0.47
07 46 46 00-0023 LF 12" Wide, 3/4" Thick, Fiber Cement Trim Board.....	2.87	0.56
<b>07 46 46 00-0024</b> <b>1" Thick Fiber Cement Trim Boards</b> <small>(07 46 46 00-0013)</small>		
07 46 46 00-0025 LF 4" Wide, 1" Thick, Fiber Cement Trim Board.....	1.76	0.40
07 46 46 00-0026 LF 6" Wide, 1" Thick, Fiber Cement Trim Board.....	2.49	0.44
07 46 46 00-0027 LF 8" Wide, 1" Thick, Fiber Cement Trim Board.....	3.25	0.47
07 46 46 00-0028 LF 12" Wide, 1" Thick, Fiber Cement Trim Board.....	4.49	0.56

**07 Thermal And Moisture Protection****07 40 Roofing And Siding Panels****07 46 Siding**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>07 46 46 00-0029</b>	<b>Fiber Cement Fascia Board</b> <small>(07 46 46)</small>		
07 46 46 00-0030	LF 5/4" x 3-1/2" Fiber Cement Fascia Board.....	2.62	0.79
07 46 46 00-0031	LF 5/4" x 5-1/2" Fiber Cement Fascia Board.....	3.42	0.87
07 46 46 00-0032	LF 5/4" x 7-1/4" Fiber Cement Fascia Board.....	3.95	0.87
07 46 46 00-0033	LF 5/4" x 11-1/4" Fiber Cement Fascia Board.....	5.41	1.02
<b>07 46 46 00-0034</b>	<b>Fiber Cement Soffit Boards</b> <small>(07 46 46)</small>		
07 46 46 00-0035	SF 1/4" Thick, Non Vented Fiber Cement Soffit.....	3.39	0.57
07 46 46 00-0036	SF 1/4" Thick, Vented Fiber Cement Soffit.....	3.68	0.57
<b>07 46 63</b>	<b>Fabricated Panel Assemblies With Siding</b> <small>(07 46)</small>		
<b>07 46 63 00-0001</b>	<b>Metal Liner Panels</b> <small>(07 46 63)</small>		
<b>07 46 63 00-0002</b>	<b>Galvanized Metal Liner Panels</b> <small>(07 46 63 00-0001)</small>		
07 46 63 00-0003	SF 24 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	8.59	1.05
07 46 63 00-0004	SF 22 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	9.65	1.05
07 46 63 00-0005	SF 20 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	11.54	1.05
07 46 63 00-0006	SF 18 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel.....	11.74	1.05

**07 50 Membrane Roofing** (07)

See CSI section 07 22 16 00-0000 for insulation, 07 60 00 00-0000 for additional flashing, sheet metal and trim, 07 70 00 00-0000 for additional roof accessories.

**07 51 Built-Up Bituminous Roofing** (07 50)**07 51 13 Built-Up Asphalt Roofing** (07 51)

<b>07 51 13 00-0001</b>	<b>Built-Up Asphalt Roofing Components</b> <small>(07 51 13)</small>		
<b>07 51 13 00-0002</b>	<b>Built-Up Asphalt Membrane Roofing</b> <small>(07 51 13 00-0001)</small>		
	Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0067 for built-up roofing demolition.		
<b>07 51 13 00-0003</b>	<b>Cold Adhesive Applied, Built-Up Asphalt Membrane Roofing</b> <small>(07 51 13 00-0002)</small>		
	Note: Includes applying cold adhesive and embedding the membrane.		
<b>07 51 13 00-0004</b>	<b>Cold Adhesive Applied, Built-Up Asphalt Roofing Base, Ply And Cap Sheets</b> <small>(07 51 13 00-0003)</small>		
07 51 13 00-0005	SQ Type IV, Asphalt Coated Fiberglass Ply Sheet, Cold Adhesive Applied.....	52.18	
	For Up To 10, Add	7.61	
	For >10 To 25, Add	5.95	
07 51 13 00-0006	SQ Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Cold Adhesive Applied.....	144.19	
	For Up To 10, Add	12.21	
	For >10 To 25, Add	10.55	
<b>07 51 13 00-0007</b>	<b>Cold Adhesive Applied, Built-Up Asphalt Roofing Flashing</b> <small>(07 51 13 00-0003)</small>		
07 51 13 00-0008	SF Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Cold Adhesive Applied.....	3.45	
<b>07 51 13 00-0009</b>	<b>Hot-Mopped, Built-Up Asphalt Membrane Roofing</b> <small>(07 51 13 00-0002)</small>		
	Note: Includes mopping hot asphalt and embedding the membrane.		
<b>07 51 13 00-0010</b>	<b>Hot-Mopped, Built-Up Asphalt Roofing Base, Ply And Cap Sheets</b> <small>(07 51 13 00-0009)</small>		
07 51 13 00-0011	SQ Type IV, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped.....	38.57	
	For Up To 10, Add	6.93	
	For >10 To 25, Add	5.26	
07 51 13 00-0012	SQ Type VI, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped.....	41.19	
	For Up To 10, Add	7.06	
	For >10 To 25, Add	5.40	
07 51 13 00-0013	SQ Fine Mineral Surfaced, Asphalt Coated Fiberglass Base Sheet, Hot-Mopped.....	44.18	
	For Up To 10, Add	7.21	
	For >10 To 25, Add	5.55	
07 51 13 00-0014	SQ Asphalt Coated Fiberglass Venting Base Sheet, Hot-Mopped.....	77.24	
	For Up To 10, Add	8.87	
	For >10 To 25, Add	7.20	
07 51 13 00-0015	SQ Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Hot-Mopped.....	130.58	
	For Up To 10, Add	11.53	
	For >10 To 25, Add	9.87	
07 51 13 00-0016	SQ Granule Surfaced, Asphalt Coated Fiberglass Cap Sheet, Hot-Mopped.....	99.06	
	For Up To 10, Add	10.43	
	For >10 To 25, Add	8.61	
<b>07 51 13 00-0017</b>	<b>Hot-Mopped, Built-Up Asphalt Roofing Flashing</b> <small>(07 51 13 00-0009)</small>		
07 51 13 00-0018	SF Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Hot-Mopped.....	2.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0019 Mechanically Fastened, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002) Note: Includes fasteners.		
07 51 13 00-0020 Mechanically Fastened, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0019)		
07 51 13 00-0021 SQ Type VI, Asphalt Coated Fiberglass Ply Sheet, Mechanically Fastened.....	40.40	
For Up To 10, Add	4.52	
For >10 To 25, Add	3.69	
07 51 13 00-0022 SQ Asphalt Coated Fiberglass Venting Base Sheet, Mechanically Fastened.....	76.44	
For Up To 10, Add	6.32	
For >10 To 25, Add	5.49	
07 51 13 00-0023 SQ Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Mechanically Fastened .....	129.79	
For Up To 10, Add	8.99	
For >10 To 25, Add	8.16	
07 51 13 00-0024 Mechanically Fastened, Built-Up Asphalt Roofing Flashing (07 51 13 00-0019)		
07 51 13 00-0025 SF Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Mechanically Fastened .....	2.66	
07 51 13 00-0026 Asphalt Saturated Organic Felt (07 51 13 00-0001)		
07 51 13 00-0027 Cold Adhesive Applied, Asphalt Saturated Organic Felt (07 51 13 00-0026) Note: Includes applying cold adhesive and embedding the felt.		
07 51 13 00-0028 SQ 15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied.....	50.54	
For Up To 10, Add	7.53	
For >10 To 25, Add	5.86	
07 51 13 00-0029 SQ 30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied .....	57.31	
For Up To 10, Add	7.87	
For >10 To 25, Add	6.20	
07 51 13 00-0030 Hot-Mopped, Asphalt Saturated Organic Felt (07 51 13 00-0026) Note: Includes mopping hot asphalt and embedding the felt.		
07 51 13 00-0031 SQ 15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped .....	36.93	
For Up To 10, Add	6.85	
For >10 To 25, Add	5.18	
07 51 13 00-0032 SQ 30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped .....	43.70	
For Up To 10, Add	7.19	
For >10 To 25, Add	5.52	
07 51 13 00-0033 Mechanically Fastened, Asphalt Saturated Organic Felt (07 51 13 00-0026) Note: Includes fasteners.		
07 51 13 00-0034 SQ 15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened .....	18.50	
For Up To 10, Add	3.42	
For >10 To 25, Add	2.59	
07 51 13 00-0035 SQ 30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened .....	25.27	
For Up To 10, Add	3.76	
For >10 To 25, Add	2.93	
07 51 13 00-0036 Surfacing (07 51 13 00-0001)		
07 51 13 00-0037 SQ 400 LB/SQ Gravel Roofing Ballast, Set In Hot Asphalt Flood Coat .....	83.04	
For Up To 10, Add	16.67	
For >10 To 25, Add	12.49	
07 51 13 00-0038 SQ 400 LB/SQ Gravel Roofing Ballast, Set In Cold Adhesive Flood Coat.....	122.85	
For Up To 10, Add	18.66	
For >10 To 25, Add	14.48	
07 51 13 00-0039 CY Gravel Roofing Ballast, Spread To Desired Thickness .....	94.35	
Note: Excludes hot asphalt or cold adhesive.		
07 51 13 00-0040 SQ Protective Polypropylene Fabric Mat, Loose Laid.....	28.27	
Note: Installed as a separator mat (under membrane), a crushed stone mat (above membrane) or as a stone separator mat in ballasted systems.		
For Up To 10, Add	3.07	
For >10 To 25, Add	2.52	
07 51 13 00-0041 SQ Clay-Stabilized, Water-Based Asphalt Emulsion With Reinforcing Fibers, Weather-Proofing Surface Coating, Price Per Coat .....	59.08	
Note: Protective coating for use over built-up, SBS and APP modified bitumen, metal, concrete and wood roofs.		
For Up To 10, Add	5.96	
For >10 To 25, Add	4.96	
07 51 13 00-0042 SQ Fibrated Aluminum, Asphalt-Based, Reflective Weather-Proofing Surface Coating, Price Per Coat.....	52.50	
Note: Protective and reflective coating for use over built-up, SBS and APP modified bitumen and metal roofs.		
For Up To 10, Add	5.63	
For >10 To 25, Add	4.63	
07 51 13 00-0043 SQ Aluminum Flakes And Reinforcing Fibers Suspended In Emulsified Asphalt, Reflective Surface Coating, Price Per Coat.....	70.47	
Note: Reflective coating for use over smooth-surfaced built-up roofs.		
For Up To 10, Add	6.53	
For >10 To 25, Add	5.53	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0044	SQ		100% Acrylic Elastomeric, Reflective Surface Coating, Price Per Coat.....71.05 Note: Reflective coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems.		
			<i>For Up To 10, Add</i>	6.56	
			<i>For &gt;10 To 25, Add</i>	5.55	
			<i>For Installation Over Granule Surfaced Asphalt Roof Systems, Add</i>	21.12	
07 51 13 00-0045	SQ		100% Acrylic Elastomeric, Bleed Blocking Base Coating, Price Per Coat.....73.47 Note: Bleed blocking coating for use over built-up, Styrene-Butadiene-Styrene (SBS) and Atactic-Polypropylene (APP) modified bitumen roofs. For use on smooth or granule surfaced roofing systems.		
			<i>For Up To 10, Add</i>	6.68	
			<i>For &gt;10 To 25, Add</i>	5.68	
			<i>For Installation Over Granule Surfaced Asphalt Roof Systems, Add</i>	21.92	
07 51 13 00-0046	SF		Ceramic Coated Roofing Granules, Hand Broadcast.....1.17 Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.		
07 51 13 00-0047	SF		Energy Star, Ceramic Coated Roofing Granules, Hand Broadcast.....2.71 Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.		
07 51 13 00-0048	SQ		Vapor Permeable Synthetic Underlayment (GAF Deck-Armor™).....20.31		
<b>07 51 13 00-0049</b>			<b>Walkway Pads</b> (07 51 13 00-0001) Note: Set in hot asphalt or cold adhesive.		
07 51 13 00-0050	LF		5/16" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad .....14.78		
07 51 13 00-0051	LF		1/2" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad .....17.61		
<b>07 51 13 00-0052</b>			<b>Cant And Tapered Edge Strips</b> (07 51 13 00-0001)		
07 51 13 00-0053	LF		2" x 2" Perlite Cant Strip .....2.01		
07 51 13 00-0054	LF		3" x 3" Perlite Cant Strip .....2.08		
07 51 13 00-0055	LF		4" x 4" Perlite Cant Strip .....2.38		
07 51 13 00-0056	LF		3" x 3" Pressure Treated Wood Cant Strip, Cut Diagonally .....2.10		
07 51 13 00-0057	LF		4" x 4" Pressure Treated Wood Cant Strip, Cut Diagonally .....2.19		
07 51 13 00-0058	LF		1/2" x 6" Perlite Tapered Edge Strip .....2.24		
07 51 13 00-0059	LF		1/2" x 12" Perlite Tapered Edge Strip .....2.60		
07 51 13 00-0060	LF		1" x 12" Perlite Tapered Edge Strip .....2.70		
07 51 13 00-0061	LF		1" x 24" Perlite Tapered Edge Strip .....3.07		
07 51 13 00-0062	LF		1-1/2" x 12" Perlite Tapered Edge Strip .....3.03		
07 51 13 00-0063	LF		1-1/2" x 18" Perlite Tapered Edge Strip .....3.70		
07 51 13 00-0064	LF		1-1/2" x 24" Perlite Tapered Edge Strip .....4.19		
<b>07 51 13 00-0065</b>			<b>Asphalt Primer</b> (07 51 13 00-0001)		
07 51 13 00-0066	SQ		Asphalt Primer For Roofing Systems.....18.82 Note: Foundation coating for hot-mopped and cold applied asphalt coatings, roof cements, and asphalt based roof adhesives. For use on weathered roofing, asphalt, concrete, gypsum, masonry, block, brick and metal surfaces.		
<b>07 51 13 00-0067</b>			<b>Demolish Built-Up Roofing</b> (07 51 13 00-0001) Note: For removing any asphalt, coal tar or modified bitumen roofing system, including surfacing material down to the insulation or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).		
07 51 13 00-0068	SQ		Demolish Gravel/Slag Surfaced, Built Up Roofing System .....177.24		
			<i>For Up To 10, Add</i>	43.80	
			<i>For &gt;10 To 25, Add</i>	26.28	
07 51 13 00-0069	SQ		Demolish Cap Sheet Surfaced, Built Up Roofing System.....136.73 Note: Includes protective surfacing.		
			<i>For Up To 10, Add</i>	33.79	
			<i>For &gt;10 To 25, Add</i>	20.27	
<b>07 51 13 00-0070</b>			<b>Roofing System Warranty</b> (07 51 13 00-0001) Note: The warranty tasks below are only to be used in conjunction with the built-up bituminous and modified bituminous membrane roofing sections. The appropriate task is to be applied to the completed roofing membrane systems, not individual components. All warranties are no dollar limit to include material, equipment and labor.		
07 51 13 00-0071	EA		Up To 50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty .....350.00		
07 51 13 00-0072	SQ		>50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty .....5.00		
07 51 13 00-0073	EA		Up To 50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty .....400.00		
07 51 13 00-0074	SQ		>50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty .....8.00		
07 51 13 00-0075	EA		Up To 50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty .....550.00		
07 51 13 00-0076	SQ		>50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty .....11.00		
<b>07 51 13 00-0077</b>			<b>Built-Up Roofing Components (Tremco)</b> (07 51 13) Note: All tasks presented as a single layer. Adhesives are priced separately.		
<b>07 51 13 00-0078</b>			<b>Cold Applied BUR Base Plies And Ply Sheets</b> (07 51 13 00-0077)		
07 51 13 00-0079	SQ		BURmastic Composite Ply, Cold Applied BUR Component.....82.80 Note: Asphalt coated polyester/glass/polyester trilaminate reinforced ply sheet. Type II. 55 mils. Also used as a hot or cold applied base sheet.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0080 SQ BURmastic Premium Composite Ply, Cold Applied BUR Component ..... Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 57 mil. Also used as a hot or cold applied base sheet.	101.00	
07 51 13 00-0081 SQ BURmastic Supreme Composite Ply, Cold Applied BUR Component ..... Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 51 mil. Also used as a hot or cold applied base sheet.	112.12	
07 51 13 00-0082 SQ 28 LB BURmastic Glass Ply, Cold Applied BUR Component ..... Note: Asphalt coated fiberglass base or ply sheet. Type II.	25.17	
07 51 13 00-0083 SQ 33 LB BURmastic Glass Ply, Cold Applied BUR Component ..... Note: Asphalt coated fiberglass base or ply sheet. Type II.	36.81	
07 51 13 00-0084 SQ POWERply Modified HE Base Sheet, Hot Or Cold Applied BUR Component ..... Note: Smooth surfaced, high elongation polyester reinforced modified bitumen base sheet. Type I, Grade S. 94 mil.	155.09	
07 51 13 00-0085 SQ POWERply Modified Heavy Duty Base Sheet, Hot Applied BUR Component ..... Note: A smooth surfaced, non woven fiberglass/scrim fiberglass bilaminate reinforced modified bitumen membrane. 120 mil.	143.42	
<b>07 51 13 00-0086 Hot Or Cold Applied Modified Bitumen Cap Membrane (07 51 13 00-0077)</b>		
07 51 13 00-0087 SQ POWERply Standard Smooth Cap Membrane, Hot Or Cold Applied BUR Component ..... Note: Fiberglass reinforced modified bitumen membrane. Type I, Grade S. 80 mils. Also used as a hot or cold applied ply.	86.47	
07 51 13 00-0088 SQ POWERply Premium Smooth Cap Membrane, Hot Or Cold Applied BUR Component ..... Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 90 mils. Also used as a hot or cold applied ply.	231.79	
07 51 13 00-0089 SQ POWERply Supreme Smooth Cap Membrane, Hot Or Cold Applied BUR Component ..... Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 98 mils. Also used as a hot or cold applied ply.	384.50	
07 51 13 00-0090 SQ POWERply Standard Cap Membrane, Hot Or Cold Applied BUR Component ..... Note: Granule surface, fiberglass reinforced modified bitumen cap sheet membrane. 120 mils. Black or white surface.	100.58	
07 51 13 00-0091 SQ POWERply Standard FR Cap Membrane, Hot Or Cold Applied BUR Component ..... Note: Fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane. Type I, Grade G. 120 mils.	155.62	
07 51 13 00-0092 SQ POWERply Premium FR Cap Membrane, Hot Or Cold Applied BUR Component ..... Note: Fire rated, granule surfaced, polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 160 mils. Black or white surface.	380.76	
07 51 13 00-0093 SQ POWERply Standard FR GT24W Cap Membrane, Hot Or Cold Applied BUR Component ..... Note: Highly reflective, fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane meeting California's Title 24 requirements. Type I, Grade G. 120 mils.	276.17	
07 51 13 00-0094 SQ POWERply HE FR Cap Sheet, Hot Applied BUR Component ..... Note: High elongation, fire rated, granule surfaced, polyester reinforced modified bitumen membrane. 160 mils.	275.80	
<b>07 51 13 00-0095 Self Adhesive Base Plies And Ply Sheets (07 51 13 00-0077)</b>		
07 51 13 00-0096 SQ POWERply SA Base Sheet, Self Adhesive Roofing ..... Note: A self adhesive, fiberglass reinforced Styrene-Butadiene-Styrene (SBS) modified bitumen base sheet/underlayment. Type 1, Grade S. 80 mils.	159.84	
07 51 13 00-0097 SQ POWERply SA FR Membrane, Self Adhesive Roofing ..... Note: A fire rated, granule surfaced, polyester reinforced, self adhesive Styrene-Butadiene-Styrene (SBS) modified bitumen membrane. Type I, Grade G. 130 mils.	314.87	
<b>07 51 13 00-0098 Flashings (07 51 13 00-0077)</b>		
07 51 13 00-0099 LF 11-1/2" Hypalon Elastomeric Flashing ..... Note: 45 mils.	9.18	
07 51 13 00-0100 LF 19" Hypalon Elastomeric Flashing ..... Note: 45 mils.	14.76	
07 51 13 00-0101 LF 25" Hypalon Elastomeric Flashing ..... Note: 45 mils.	19.59	
07 51 13 00-0102 LF 38" Hypalon Elastomeric Flashing ..... Note: 45 mils.	28.84	
07 51 13 00-0103 LF 60-1/2" Hypalon Elastomeric Flashing ..... Note: 45 mils.	47.33	
07 51 13 00-0104 LF 12" TRA Elastomeric Flashing Membrane ..... Note: Polyester reinforced flashing membrane. 45 mils.	7.11	
07 51 13 00-0105 LF 18" TRA Elastomeric Flashing Membrane ..... Note: Polyester reinforced flashing membrane. 45 mils.	11.45	
07 51 13 00-0106 LF 24" TRA Elastomeric Flashing Membrane ..... Note: Polyester reinforced flashing membrane. 45 mils.	15.26	
07 51 13 00-0107 LF 36" TRA Elastomeric Flashing Membrane ..... Note: Polyester reinforced flashing membrane. 45 mils.	22.38	
07 51 13 00-0108 LF 60" TRA Elastomeric Flashing Membrane ..... Note: Polyester reinforced flashing membrane. 45 mils.	37.61	
07 51 13 00-0109 LF 4" BURmesh Fabric ..... Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	1.76	
07 51 13 00-0110 LF 6" BURmesh Fabric ..... Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	1.86	
07 51 13 00-0111 LF 12" BURmesh Fabric ..... Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	2.65	
07 51 13 00-0112 LF 36" BURmesh Fabric ..... Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	6.92	
<b>07 51 13 00-0113 Cold Applied Adhesives (07 51 13 00-0077)</b>		

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0114 SQ BURmastic Inter-Ply Cold Applied Adhesive.....	96.49	
07 51 13 00-0115 SQ BURmastic Flood Coat Cold Applied Adhesive .....	159.45	
07 51 13 00-0116 SQ BURmastic SF Inter-Ply Cold Applied Adhesive .....	123.78	
07 51 13 00-0117 SQ BURmastic LV Inter-Ply Cold Applied Adhesive .....	96.49	
07 51 13 00-0118 SQ POWERply Standard Inter-Ply Cold Applied Adhesive.....	47.32	
07 51 13 00-0119 SQ POWERply Standard Flood Coat Cold Applied Adhesive.....	107.39	
07 51 13 00-0120 SQ POWERply White On White Cold Applied Adhesive.....	105.91	
07 51 13 00-0121 SQ Rock-It Cold Applied Adhesive For Gravel Applications .....	303.85	
07 51 13 00-0122 SQ FAS-n-FREE Cold Applied Adhesive (Beads 12" OC).....	168.49	
Note: For insulation only.		
07 51 13 00-0123 SQ ECOlastic Cold Applied Adhesive.....	187.13	
<b>07 51 13 00-0124 Hot Applied Adhesives (07 51 13 00-0077)</b>		
07 51 13 00-0125 SQ Premium III Asphalt Inter-Ply Hot Applied Adhesive .....	32.41	
07 51 13 00-0126 SQ Premium III Asphalt Flood Coat Hot Applied Adhesive .....	62.40	
<b>07 51 13 00-0127 Flashings Adhesives (07 51 13 00-0077)</b>		
07 51 13 00-0128 LF Sheeting Bond Flashing Adhesive .....	10.34	
Note: Used to attach Hypalon sheeting to asphalt or coal-tar roofing membranes.		
07 51 13 00-0129 LF Polyroof SF Flashing Mastic .....	14.25	
Note: A solvent free, one part elastomeric roof mastic. Used to seal edges or as a repair mastic for split or cracked seals.		
07 51 13 00-0130 LF ELS Flashing Mastic .....	8.00	
Note: Used for repairing flashings and asphalt built-up roof defects.		
07 51 13 00-0131 LF TremSEAL D General Purpose Sealant.....	2.98	
07 51 13 00-0132 LF TremSEAL HP High Performance Sealant .....	3.08	
07 51 13 00-0133 LF TremSEAL S Silicone Sealant .....	3.00	
<b>07 51 13 00-0134 Surfacing (07 51 13 00-0077)</b>		
07 51 13 00-0135 SQ TremLastic SP Non Fibered Elastomeric Emulsion Cold Applied Coating.....	145.41	
07 51 13 00-0136 SQ ICE Coating, Water Based, Heavy Bodied Elastomeric Roof Coating .....	323.62	
07 51 13 00-0137 SQ Polar Coat.....	80.32	
07 51 13 00-0138 SQ Alumanation 301, Asphalt Based, Fibrated Aluminum Roof Coating .....	99.60	
07 51 13 00-0139 SQ Wall-Tite, Elastomeric Coating For Exterior Above-Grade Walls .....	296.64	
07 51 13 00-0140 SQ Solarguard Hy-Build, Elastomeric Coating For Exterior Above-Grade Walls .....	130.32	
07 51 13 00-0141 SQ 100% Stitchbonded, Polyester Fabric (Tremco PERMAFAB).....	38.48	
<b>07 51 13 00-0142 Walkway Protection Pads (07 51 13 00-0077)</b>		
07 51 13 00-0143 LF 36" Wide, Fiberglass Reinforced Asphaltic Walkway Protection Pad (Tremco Trem-Tred®) .....	17.52	
<b>07 51 13 00-0144 Primer (07 51 13 00-0077)</b>		
07 51 13 00-0145 SQ TREMprime WB Primer .....	19.01	
Note: Water based polymer modified asphalt primer.		
07 51 13 00-0146 SQ Solarguard Masonry Primer, Acrylic Latex Primer For Wall Tite F Coating.....	46.41	
<b>07 51 13 00-0147 Liquid Applied Roofing (07 51 13 00-0077)</b>		
07 51 13 00-0148 SQ Trem-LAR LRM H Waterproofing (Horizontal) .....	245.78	
Note: One part liquid applied elastomeric roofing membrane. 60 mils.		
07 51 13 00-0149 SQ Trem-LAR LRM V Waterproofing (Vertical).....	249.42	
Note: One part liquid applied elastomeric roofing membrane. 60 mils.		
07 51 13 00-0150 SQ AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Smooth BUR/MB, Concrete Or Single Ply Surfaces.....	316.90	
Note: Two part liquid applied polyurethane roof coating. 48 mils.		
07 51 13 00-0151 SQ AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Granule MB Surfaces .....	414.22	
Note: Two part liquid applied polyurethane roof coating. 64 mils.		
07 51 13 00-0152 SQ AlphaGuard BIO Top Coat, High Performance, Two-Part, Polyurethane Roof Coating.....	233.97	
Note: Two part liquid applied polyurethane roof coating. 32 mils.		
07 51 13 00-0153 SQ AlphaGuard Glass Mat.....	34.03	
Note: Reinforcement mat for AlphaGuard systems.		
07 51 13 00-0154 SQ AlphaGuard C-Prime Primer .....	47.22	
Note: 100% solids epoxy primer for concrete surfaces.		
07 51 13 00-0155 SQ AlphaGuard M-Prime Primer.....	50.62	
Note: Water based primer for metal and plastic surfaces.		
07 51 13 00-0156 SQ Geogard Primer .....	32.97	
Note: Reactivation primer for cured AlphaGuard MT roof systems and coatings.		
07 51 13 00-0157 SQ AlphaGuard Primer WB .....	29.10	
Note: Water based polymer modified primer which conditions a variety of roofing substrates prior to the application of AlphaGuard systems.		
<b>07 51 13 00-0158 Atactic-Polypropylene (APP) Products (07 51 13 00-0077)</b>		
07 51 13 00-0159 SQ POWERply Atactic-Polypropylene (APP) Base Sheet .....	126.48	
07 51 13 00-0160 SQ POWERply Atactic-Polypropylene (APP) FR .....	240.63	
07 51 13 00-0161 SQ POWERply Atactic-Polypropylene (APP) Smooth .....	192.80	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>07 51 13 00-0162</b>				<b>Tri-Polymer Alloy (TPA) White Membrane</b> <small>(07 51 13 00-0077)</small>		
	07 51 13 00-0163	SQ		45 Mil Tri-Polymer Alloy (TPA) White Membrane .....	334.04	
	07 51 13 00-0164	SQ		60 Mil Tri-Polymer Alloy (TPA) White Membrane .....	464.16	
	07 51 13 00-0165	SQ		80 Mil Tri-Polymer Alloy (TPA) White Membrane .....	530.11	
<b>07 51 13 00-0166</b>				<b>Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane</b> <small>(07 51 13 00-0077)</small>		
	07 51 13 00-0167	SQ		45 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane .....	387.31	
	07 51 13 00-0168	SQ		60 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane .....	478.88	
	07 51 13 00-0169	SQ		80 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane .....	589.31	
<b>07 51 13 00-0170</b>				<b>Tri-Polymer Alloy (TPA) Membrane Accessories</b> <small>(07 51 13 00-0077)</small>		
	07 51 13 00-0171	EA		>1" To 4" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco) .....	68.85	
	07 51 13 00-0172	EA		>4" To 8" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco) .....	78.24	
	07 51 13 00-0173	LF		36" Wide, Thermoplastic Tri-Polymer Alloy (TPA) Walkway Protection Pad (Tremco) .....	9.90	
	07 51 13 00-0174	SQ		Factory Coated Steel Fasteners And Steel Or Plastic Membrane Plates (Tremco) .....	32.14	
<b>07 51 13 00-0175</b>				<b>Thermoplastic Polyolefin (TPO) Polyester White Membrane</b> <small>(07 51 13 00-0077)</small>		
	07 51 13 00-0176	SQ		45 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane .....	173.62	
	07 51 13 00-0177	SQ		60 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane .....	177.34	
	07 51 13 00-0178	SQ		80 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane .....	323.40	
<b>07 51 13 00-0179</b>				<b>Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane</b> <small>(07 51 13 00-0077)</small>		
	07 51 13 00-0180	SQ		45 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane .....	205.18	
	07 51 13 00-0181	SQ		60 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane .....	233.82	
	07 51 13 00-0182	SQ		80 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane .....	345.99	
<b>07 51 13 00-0183</b>				<b>Tremply HP 4510 Chlorosulfonated Polyethylene (CSPE) White Membrane</b> <small>(07 51 13 00-0077)</small>		
	07 51 13 00-0184	SQ		45 Mil Tremply HP 4510 Chlorosulfonated Polyethylene (CSPE) White Membrane .....	574.03	
<b>07 51 13 00-0185</b>				<b>Single Ply Adhesives</b> <small>(07 51 13 00-0077)</small>		
	07 51 13 00-0186	SQ		Low VOC, TPA Bonding Adhesive (Tremco) .....	89.24	
	07 51 13 00-0187	SQ		Water Based, TPA Bonding Adhesive (Tremco) .....	101.43	
	07 51 13 00-0188	SQ		Water Based, Fleece Backed Single Ply Bonding Adhesive (Tremco) .....	87.47	
	07 51 13 00-0189	SQ		Low VOC, TPO Bonding Adhesive (Tremco) .....	56.72	
<b>07 51 13 00-0190</b>				<b>Warranty</b> <small>(07 51 13 00-0077)</small>		
	07 51 13 00-0191	EA		Up To 10,000 SF 15 Year Roofing System Warranty .....	1,500.00	
	07 51 13 00-0192	SF		>10,000 SF 15 Year Roofing System Warranty .....	0.15	
	07 51 13 00-0193	EA		Up To 10,000 SF 20 Year Roofing System Warranty .....	2,000.00	
	07 51 13 00-0194	SF		>10,000 SF 20 Year Roofing System Warranty .....	0.20	
<b>07 51 13 00-0195</b>				<b>Built-Up Roofing Components (Garland)</b> <small>(07 51 13)</small>		
				Note: All tasks presented as a single layer. Adhesives are priced separately.		
<b>07 51 13 00-0196</b>				<b>Modified Cap Membranes</b> <small>(07 51 13 00-0195)</small>		
<b>07 51 13 00-0197</b>				<b>Modified Cap Membranes, Hot/Cold Applied</b> <small>(07 51 13 00-0196)</small>		
				Note: As manufactured by Garland. Pricing represents single ply per square. Excludes adhesive. Includes 30 year leak-free warranty. See CSI section 07 51 13 00-0236 for adhesive.		
	07 51 13 00-0198	SQ		Stressply® FR Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane, Minimum 145 Mil .....	404.90	
	07 51 13 00-0199	SQ		Stressply® Plus Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane With Recycled Rubber, 105 Mil .....	289.19	
	07 51 13 00-0200	SQ		Stressply® Plus FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane With Recycled Rubber, Minimum 155 Mil .....	358.46	
	07 51 13 00-0201	SQ		Stressply® E Eco-Responsible, Smooth Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials .....	372.55	
	07 51 13 00-0202	SQ		Stressply® E FR Mineral Eco-Responsible, Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials, Minimum 160 Mil .....	519.37	
	07 51 13 00-0203	SQ		Stressply® EUV Fiberglass Reinforced, Minimum Poly/Fiberglass Reinforced White T-24 Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Modified Membrane With Recycled Rubber, 160 Mil .....	584.07	
	07 51 13 00-0204	SQ		Versiply® III 80 Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 80 Mil .....	245.01	
	07 51 13 00-0205	SQ		Note: Low strength cap sheet for hot or cold modified systems used with gravel. Versiply® III Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Minimum 145 Mil .....	308.69	
	07 51 13 00-0206	SQ		BiFlex® Cap Fiberglass Reinforced, Mineral Surfaced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 140 Mil .....	188.12	



**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0207			<b>Modified Cap Membranes, Self-Adhering</b> <small>(07 51 13 00-0196)</small> Note: As manufactured by Garland. Pricing represents single ply per square. Includes 25 year leak-free warranty.		
07 51 13 00-0208	SQ		Stressply® SA FR Mineral Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Fiberglass Reinforced Membrane, Minimum 140 Mil ..... Note: Self adhering system. One HPR SA FR base with one ply Stress Ply SA FR cap sheet.	366.33	
07 51 13 00-0209			<b>Modified Cap Membranes, Torch-Applied</b> <small>(07 51 13 00-0196)</small> Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0210	SQ		Stressply® IV Dual Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil ..... Note: Smooth surfaced Styrene-Butadiene-Styrene (SBS) torch modified top ply of torch system with gravel.	451.36	
07 51 13 00-0211	SQ		Stressply® IV Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Minimum 195 Mil.....	491.17	
07 51 13 00-0212	SQ		Stressply® IV UV Mineral Fiberglass Reinforced, Starburst Surface Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Title 24 Compliant, 195 Mil .....	517.71	
07 51 13 00-0213			<b>Modified Cap Membranes, Coal Tar Pitch Systems</b> <small>(07 51 13 00-0196)</small> Note: As manufactured by Garland. Pricing represents single ply per square. Excludes adhesive. Includes 30 year leak-free warranty. See CSI section 07 51 13 00-0236 for adhesive.		
07 51 13 00-0214	SQ		Millennium® Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 120 Mil .....	417.12	
07 51 13 00-0215	SQ		Millennium® FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Fiberglass Reinforced Membrane, Minimum 160 Mil .....	658.72	
07 51 13 00-0216	SQ		Millennium® Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 160 Mil.....	535.96	
07 51 13 00-0217			<b>Base Ply</b> <small>(07 51 13 00-0195)</small> Note: Used with modified cap membranes, underlayment for metal systems, and reinforcement for restoration systems.		
07 51 13 00-0218	SQ		Flexbase® E120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 120 Mil.....	370.06	
07 51 13 00-0219	SQ		Flexbase® 80 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 80 Mil.....	231.96	
07 51 13 00-0220	SQ		HPR® Glasbase Heavy Duty Double Coated ASTM D 4601, Type II Fiberglass, Type II, 55 Mil ..... Note: Glasbase used in cold system, nailed to deck, or inner ply 2 plies with cap.	52.59	
07 51 13 00-0221	SQ		HPR® Glasfelt Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type IV, 20 Mil .....	34.50	
07 51 13 00-0222	SQ		HPR® Premium Glasbase High Strength, Double Coated Premium Base Sheet, Far Exceeds ASTM D 4601 Type II, 55 Mil .....	42.21	
07 51 13 00-0223	SQ		HPR® Premium Glasfelt Premium Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type VI, 25 Mil.....	45.94	
07 51 13 00-0224	SQ		HPR® Tribase Premium Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet, 60 Mil..... Note: Inner plies for cold applied modified, Styrene-Butadiene-Styrene (SBS) modified, or 2 plies under cap sheet.	72.48	
07 51 13 00-0225	SQ		Millennium® Base Poly/Fiberglass Reinforced Coal Tar Base Sheet For Cold Millennium Systems, 80 Mil .....	236.30	
07 51 13 00-0226	SQ		HPR® SA FR Base Sheet Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Underlayment Used In SP SA Fiberglass Reinforced Systems, Minimum 80 Mil .....	202.52	
07 51 13 00-0227	SQ		StressBase® 120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 120 Mil .....	206.44	
07 51 13 00-0228	SQ		StressBase® 80 Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 80 Mil.....	171.19	
07 51 13 00-0229	LF		Garmesh® 6" Styrene-Butadiene-Styrene (SBS) Coated Woven Fiberglass Reinforcing Fabric .....	2.56	
07 51 13 00-0230	LF		Grip Polyester® Firm Polyester Reinforcement Used For Cold Application Over Smooth BUR Or Modified Roof Systems .....	7.63	
07 51 13 00-0231	SQ		Grip Polyester® Soft Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems .....	40.34	
07 51 13 00-0232	LF		Grip Polyester® Soft 12" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems .....	3.37	
07 51 13 00-0233	LF		Grip Polyester® Soft 4" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems .....	2.40	
07 51 13 00-0234	LF		Grip Polyester® Soft 6" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems .....	2.88	
07 51 13 00-0235	SQ		HPR® Polyscrim Plus Polyester Reinforcement For Hot Bitumen Applications.....	89.25	
07 51 13 00-0236			<b>Coatings And Mastics For Roof Installation, Restoration And Repairs</b> <small>(07 51 13 00-0195)</small>		
07 51 13 00-0237	SQ		Water Based Roof Primer, GarlaPrime VOC Primer.....	24.41	
07 51 13 00-0238	SQ		Black-Knight® Primer .....	22.46	
07 51 13 00-0239	SQ		Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Interply .....	97.61	
07 51 13 00-0240	SQ		Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Flood Coat (4-5 GAL/SQ) .....	102.28	
07 51 13 00-0241	SQ		Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Restoration (6-8 GAL/SQ) .....	163.04	
07 51 13 00-0242	SQ		Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Interply.....	266.59	
07 51 13 00-0243	SQ		Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Flood Coat.....	272.84	
07 51 13 00-0244	SQ		Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, One Coat (3 GAL/SQ).....	126.71	
07 51 13 00-0245	SQ		Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, Restoration .....	209.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0246 SQ Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, One Coat (3 GAL/SQ) .....	327.71	
07 51 13 00-0247 SQ Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, Restoration.....	544.92	
07 51 13 00-0248 SQ Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproof, Interply .....	227.16	
07 51 13 00-0249 SQ Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproof, Flood Coat .....	233.41	
07 51 13 00-0250 SQ Green-Lock® Flashing Adhesive 100% Solids Polyether, Zero VOC, Flashing Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only .....	501.72	
07 51 13 00-0251 SQ Green-Lock® Membrane Adhesive 100% Solids Polyether, Zero VOC, Membrane Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only .....	215.56	
07 51 13 00-0252 SQ HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Interply .....	103.88	
07 51 13 00-0253 SQ HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Flood Coat.....	110.13	
07 51 13 00-0254 SQ Insul-Lock® E HR Bio-Based High Rise Urethane Insulation Adhesive For New Construction Or Gravel .....	95.08	
07 51 13 00-0255 SQ Insul-Lock® HR High Rise Urethane Insulation Adhesive For New Construction Or Gravel Recovers .....	88.49	
07 51 13 00-0256 SQ Insul-Lock® HR Universal Primer All-Purpose Water Based Primer Designed For Use With The Insul-Lock Products .....	10.06	
Note: Adheres all insulation layers for cold systems.		
07 51 13 00-0257 SQ Pyramic® White, Water-Based Acrylic, Low VOC, Reflective Roof Coating, Energy Star, Top Coat Required.....	110.98	
07 51 13 00-0258 SQ Pyramic® Base Coat, Water-Based, Acrylic, Low VOC, Base Coating For A Pyramic System.....	107.53	
07 51 13 00-0259 LF Silver-Flash® Aluminized Asphalt Fibered Trowel Grade Mastic Used With GarMesh.....	12.61	
07 51 13 00-0260 SQ Solex® White, Kynar® Acrylic Topcoat Roof Coating Used With Pyramic Base Coat.....	144.17	
07 51 13 00-0261 SQ Tuff-Flash™ Multi-Purpose Asphaltic Polyurethane Liquid Flashing Membrane Used With Reinforcing Fabric.....	809.95	
07 51 13 00-0262 SQ Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel, Flood Coat (4-5 GAL/SQ).....	181.57	
07 51 13 00-0263 SQ Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel .....	222.54	
07 51 13 00-0264 SQ Weatherking® Cold Applied Rubber Modified Asphalt Interply Adhesive For Slopes Up To 3:12, Interply .....	81.60	
07 51 13 00-0265 SQ Weatherking® Flashing Adhesive Brush Grade, Cold Applied Asphalt Adhesive For Flashings In A Weatherking System .....	253.26	
07 51 13 00-0266 SQ Weatherking® Plus WC Cold Applied Rubber Modified, VOC Compliant Asphalt Interply Adhesive For Slopes Up To 2:12, Interply.....	80.97	
Note: Inner ply and flood coat SEBS modified adhesive for all cold systems with gravel.		

**07 52 Modified Bituminous Membrane Roofing** (07 50)

**07 52 13 Atactic-Polypropylene Modified Bituminous Membrane Roofing** (07 52)

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.

**07 52 13 11 Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing** (07 52 13)

**07 52 13 11-0001 Cold Adhesive Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing** (07 52 13 11)

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

**07 52 13 11-0002 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets** (07 52 13 11-0001)

07 52 13 11-0003 SQ 80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Cold Adhesive Applied .....	96.29
For Up To 10, Add	9.82
For >10 To 25, Add	8.15
07 52 13 11-0004 SQ 90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied .....	117.30
For Up To 10, Add	10.87
For >10 To 25, Add	9.20
07 52 13 11-0005 SQ 160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Cold Adhesive Applied .....	198.44
For Up To 10, Add	14.93
For >10 To 25, Add	13.26
07 52 13 11-0006 SQ 160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied .....	200.04
For Up To 10, Add	15.48
For >10 To 25, Add	13.66
07 52 13 11-0007 SQ 160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	132.99
For Up To 10, Add	12.13
For >10 To 25, Add	10.30
For Factory Applied White Reflective Surfacing, Add	58.84
07 52 13 11-0008 SQ 160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied .....	154.24
For Up To 10, Add	13.19
For >10 To 25, Add	11.37
For Factory Applied White Reflective Surfacing, Add	58.84
07 52 13 11-0009 SQ 180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied .....	212.14
For Up To 10, Add	16.09
For >10 To 25, Add	14.26
For Factory Applied White Reflective Surfacing, Add	58.84

**07 52 13 11-0010 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing** (07 52 13 11-0001)

07 52 13 11-0011 SF 160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied .....	3.99
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**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 52 13 11-0012 SF 180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied.....4.11  
For Factory Applied White Reflective Surfacing, Add 0.59

**07 52 13 13 Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing** (07 52 13)

07 52 13 13-0001 Torch-Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing (07 52 13 13)

Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.

07 52 13 13-0002 Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 13 13-0001)

07 52 13 13-0003 SQ 80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Torch-Applied.....65.17  
For Up To 10, Add 7.01  
For >10 To 25, Add 5.76

07 52 13 13-0004 SQ 90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Torch-Applied.....86.18  
For Up To 10, Add 8.06  
For >10 To 25, Add 6.81

07 52 13 13-0005 SQ 150 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied.....96.04  
For Up To 10, Add 8.56  
For >10 To 25, Add 7.30

07 52 13 13-0006 SQ 160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied.....101.42  
For Up To 10, Add 8.82  
For >10 To 25, Add 7.57

07 52 13 13-0007 SQ 180 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied.....145.06  
For Up To 10, Add 11.01  
For >10 To 25, Add 9.76

07 52 13 13-0008 SQ 150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....96.80  
For Up To 10, Add 8.82  
For >10 To 25, Add 7.49

07 52 13 13-0009 SQ 160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....103.53  
For Up To 10, Add 9.15  
For >10 To 25, Add 7.83

07 52 13 13-0010 SQ 180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....145.82  
For Up To 10, Add 11.27  
For >10 To 25, Add 9.94

07 52 13 13-0011 SQ 160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....101.04  
For Up To 10, Add 9.03  
For >10 To 25, Add 7.70  
For Factory Applied White Reflective Surfacing, Add 58.84

07 52 13 13-0012 SQ 170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....107.56  
For Up To 10, Add 9.36  
For >10 To 25, Add 8.03  
For Factory Applied White Reflective Surfacing, Add 58.84

07 52 13 13-0013 SQ 160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....123.56  
For Up To 10, Add 10.16  
For >10 To 25, Add 8.83  
For Factory Applied White Reflective Surfacing, Add 58.84

07 52 13 13-0014 SQ 170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....125.51  
For Up To 10, Add 10.25  
For >10 To 25, Add 8.93  
For Factory Applied White Reflective Surfacing, Add 58.84

07 52 13 13-0015 SQ 180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....180.18  
For Up To 10, Add 12.99  
For >10 To 25, Add 11.66  
For Factory Applied White Reflective Surfacing, Add 58.84

07 52 13 13-0016 Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing (07 52 13 13-0001)

07 52 13 13-0017 SF 150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied.....1.59

07 52 13 13-0018 SF 160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied.....1.66

07 52 13 13-0019 SF 180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied.....2.08

07 52 13 13-0020 SF 170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied.....1.70  
For Factory Applied White Reflective Surfacing, Add 0.59

07 52 13 13-0021 SF 170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied.....1.88  
For Factory Applied White Reflective Surfacing, Add 0.59

07 52 13 13-0022 SF 180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied.....2.43  
For Factory Applied White Reflective Surfacing, Add 0.59

**07 52 13 14 Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing** (07 52 13)

07 52 13 14-0001 Mechanically Fastened Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing (07 52 13 14)

Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.

07 52 13 14-0002 Mechanically Fastened, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base And Ply Sheets (07 52 13 14-0001)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 14-0003 SQ 90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened.....	102.89	
<i>For Up To 10, Add</i>	7.64	
<i>For &gt;10 To 25, Add</i>	6.81	
<b>07 52 16 Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52)</b>		
Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.		
<b>07 52 16 11 Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)</b>		
07 52 16 11-0001 Cold Adhesive Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing (07 52 16 11)		
Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.		
07 52 16 11-0002 Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 11-0001)		
07 52 16 11-0003 SQ 50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied .....	75.72	
<i>For Up To 10, Add</i>	8.79	
<i>For &gt;10 To 25, Add</i>	7.12	
07 52 16 11-0004 SQ 80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied .....	99.04	
<i>For Up To 10, Add</i>	9.96	
<i>For &gt;10 To 25, Add</i>	8.29	
07 52 16 11-0005 SQ 90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied .....	102.05	
<i>For Up To 10, Add</i>	10.11	
<i>For &gt;10 To 25, Add</i>	8.44	
07 52 16 11-0006 SQ 120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied.....	139.26	
<i>For Up To 10, Add</i>	11.97	
<i>For &gt;10 To 25, Add</i>	10.30	
07 52 16 11-0007 SQ 125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Cold Adhesive Applied.....	176.92	
<i>For Up To 10, Add</i>	13.85	
<i>For &gt;10 To 25, Add</i>	12.18	
07 52 16 11-0008 SQ 140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied .....	147.30	
<i>For Up To 10, Add</i>	12.85	
<i>For &gt;10 To 25, Add</i>	11.02	
07 52 16 11-0009 SQ 150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied .....	151.35	
<i>For Up To 10, Add</i>	13.05	
<i>For &gt;10 To 25, Add</i>	11.22	
07 52 16 11-0010 SQ 125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied .....	132.39	
<i>For Up To 10, Add</i>	12.10	
<i>For &gt;10 To 25, Add</i>	10.27	
<i>For Factory Applied White Reflective Surfacing, Add</i>	58.84	
07 52 16 11-0011 SQ 140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied .....	134.14	
<i>For Up To 10, Add</i>	12.19	
<i>For &gt;10 To 25, Add</i>	10.36	
<i>For Factory Applied White Reflective Surfacing, Add</i>	58.84	
07 52 16 11-0012 SQ 150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied .....	150.28	
<i>For Up To 10, Add</i>	13.00	
<i>For &gt;10 To 25, Add</i>	11.17	
<i>For Factory Applied White Reflective Surfacing, Add</i>	58.84	
07 52 16 11-0013 SQ 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied .....	152.97	
<i>For Up To 10, Add</i>	13.13	
<i>For &gt;10 To 25, Add</i>	11.30	
<i>For Factory Applied White Reflective Surfacing, Add</i>	58.84	
07 52 16 11-0014 SQ 170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied .....	176.50	
<i>For Up To 10, Add</i>	14.31	
<i>For &gt;10 To 25, Add</i>	12.48	
<i>For Factory Applied White Reflective Surfacing, Add</i>	58.84	
07 52 16 11-0015 SQ 180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied .....	219.38	
<i>For Up To 10, Add</i>	16.45	
<i>For &gt;10 To 25, Add</i>	14.62	
<i>For Factory Applied White Reflective Surfacing, Add</i>	58.84	
07 52 16 11-0016 SQ 125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	135.31	
<i>For Up To 10, Add</i>	12.25	
<i>For &gt;10 To 25, Add</i>	10.42	
<i>For Factory Applied White Reflective Surfacing, Add</i>	58.84	
07 52 16 11-0017 SQ 140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	139.52	
<i>For Up To 10, Add</i>	12.46	
<i>For &gt;10 To 25, Add</i>	10.63	
<i>For Factory Applied White Reflective Surfacing, Add</i>	58.84	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0018	SQ		150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	162.38	
			<i>For Up To 10, Add</i> .....	13.60	
			<i>For &gt;10 To 25, Add</i> .....	11.77	
			<i>For Factory Applied White Reflective Surfacing, Add</i> .....	58.84	
07 52 16 11-0019	SQ		160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	162.92	
			<i>For Up To 10, Add</i> .....	13.63	
			<i>For &gt;10 To 25, Add</i> .....	11.80	
			<i>For Factory Applied White Reflective Surfacing, Add</i> .....	58.84	
07 52 16 11-0020	SQ		170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	173.14	
			<i>For Up To 10, Add</i> .....	14.14	
			<i>For &gt;10 To 25, Add</i> .....	12.31	
			<i>For Factory Applied White Reflective Surfacing, Add</i> .....	58.84	
<b>07 52 16 11-0021</b>			<b>Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing</b> <small>(07 52 16 11-0001)</small>		
07 52 16 11-0022	SF		150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	3.50	
07 52 16 11-0023	SF		125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	3.31	
			<i>For Factory Applied White Reflective Surfacing, Add</i> .....	0.59	
07 52 16 11-0024	SF		140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	3.33	
			<i>For Factory Applied White Reflective Surfacing, Add</i> .....	0.59	
07 52 16 11-0025	SF		160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	3.52	
			<i>For Factory Applied White Reflective Surfacing, Add</i> .....	0.59	
07 52 16 11-0026	SF		170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	3.75	
			<i>For Factory Applied White Reflective Surfacing, Add</i> .....	0.59	
07 52 16 11-0027	SF		180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	4.18	
			<i>For Factory Applied White Reflective Surfacing, Add</i> .....	0.59	
07 52 16 11-0028	SF		125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	3.34	
			<i>For Factory Applied White Reflective Surfacing, Add</i> .....	0.59	
07 52 16 11-0029	SF		140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	3.38	
			<i>For Factory Applied White Reflective Surfacing, Add</i> .....	0.59	
07 52 16 11-0030	SF		160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	3.62	
			<i>For Factory Applied White Reflective Surfacing, Add</i> .....	0.59	
07 52 16 11-0031	SF		170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	3.72	
			<i>For Factory Applied White Reflective Surfacing, Add</i> .....	0.59	
07 52 16 11-0032	SF		145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	4.56	
07 52 16 11-0033	SF		160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	7.58	
<b>07 52 16 12</b>			<b>Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing</b> <small>(07 52 16)</small>		
07 52 16 12-0001			<b>Hot-Mopped Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing</b> <small>(07 52 16 12)</small> Note: Includes fiberglass and/or polyester reinforcement. Includes mopping hot asphalt and embedding the membrane.		
07 52 16 12-0002			<b>Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets</b> <small>(07 52 16 12-0001)</small>		
07 52 16 12-0003	SQ		50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped.....	62.11	
			<i>For Up To 10, Add</i> .....	8.11	
			<i>For &gt;10 To 25, Add</i> .....	6.44	
07 52 16 12-0004	SQ		80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped.....	85.43	
			<i>For Up To 10, Add</i> .....	9.28	
			<i>For &gt;10 To 25, Add</i> .....	7.61	
07 52 16 12-0005	SQ		90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped.....	88.44	
			<i>For Up To 10, Add</i> .....	9.43	
			<i>For &gt;10 To 25, Add</i> .....	7.76	
07 52 16 12-0006	SQ		120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Hot-Mopped.....	125.65	
			<i>For Up To 10, Add</i> .....	11.29	
			<i>For &gt;10 To 25, Add</i> .....	9.62	
07 52 16 12-0007	SQ		125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Hot-Mopped.....	163.31	
			<i>For Up To 10, Add</i> .....	13.17	
			<i>For &gt;10 To 25, Add</i> .....	11.50	
07 52 16 12-0008	SQ		140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	133.74	
			<i>For Up To 10, Add</i> .....	12.17	
			<i>For &gt;10 To 25, Add</i> .....	10.34	
07 52 16 12-0009	SQ		150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	137.79	
			<i>For Up To 10, Add</i> .....	12.37	
			<i>For &gt;10 To 25, Add</i> .....	10.54	
07 52 16 12-0010	SQ		125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped.....	118.83	
			<i>For Up To 10, Add</i> .....	11.42	
			<i>For &gt;10 To 25, Add</i> .....	9.60	
			<i>For Factory Applied White Reflective Surfacing, Add</i> .....	58.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0011 SQ 140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	120.58	
For Up To 10, Add	11.51	
For >10 To 25, Add	9.68	
For Factory Applied White Reflective Surfacing, Add	58.84	
07 52 16 12-0012 SQ 150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	136.72	
For Up To 10, Add	12.32	
For >10 To 25, Add	10.49	
For Factory Applied White Reflective Surfacing, Add	58.84	
07 52 16 12-0013 SQ 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	139.41	
For Up To 10, Add	12.45	
For >10 To 25, Add	10.62	
For Factory Applied White Reflective Surfacing, Add	58.84	
07 52 16 12-0014 SQ 170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	162.94	
For Up To 10, Add	13.63	
For >10 To 25, Add	11.80	
For Factory Applied White Reflective Surfacing, Add	58.84	
07 52 16 12-0015 SQ 180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	205.81	
For Up To 10, Add	15.77	
For >10 To 25, Add	13.94	
For Factory Applied White Reflective Surfacing, Add	58.84	
07 52 16 12-0016 SQ 125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	121.75	
For Up To 10, Add	11.57	
For >10 To 25, Add	9.74	
For Factory Applied White Reflective Surfacing, Add	58.84	
07 52 16 12-0017 SQ 140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	125.96	
For Up To 10, Add	11.78	
For >10 To 25, Add	9.95	
For Factory Applied White Reflective Surfacing, Add	58.84	
07 52 16 12-0018 SQ 150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	148.82	
For Up To 10, Add	12.92	
For >10 To 25, Add	11.10	
For Factory Applied White Reflective Surfacing, Add	58.84	
07 52 16 12-0019 SQ 160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	149.36	
For Up To 10, Add	12.95	
For >10 To 25, Add	11.12	
For Factory Applied White Reflective Surfacing, Add	58.84	
07 52 16 12-0020 SQ 170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	159.58	
For Up To 10, Add	13.46	
For >10 To 25, Add	11.63	
For Factory Applied White Reflective Surfacing, Add	58.84	
<b>07 52 16 12-0021 Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing</b> <small>(07 52 16 12-0001)</small>		
07 52 16 12-0022 SF 150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped .....	2.27	
07 52 16 12-0023 SF 125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped .....	2.08	
For Factory Applied White Reflective Surfacing, Add	0.59	
07 52 16 12-0024 SF 140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped .....	2.10	
For Factory Applied White Reflective Surfacing, Add	0.59	
07 52 16 12-0025 SF 150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped .....	2.26	
For Factory Applied White Reflective Surfacing, Add	0.59	
07 52 16 12-0026 SF 160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped .....	2.28	
For Factory Applied White Reflective Surfacing, Add	0.59	
07 52 16 12-0027 SF 170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped .....	2.52	
For Factory Applied White Reflective Surfacing, Add	0.59	
07 52 16 12-0028 SF 180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped .....	2.95	
For Factory Applied White Reflective Surfacing, Add	0.59	
07 52 16 12-0029 SF 125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped .....	2.11	
For Factory Applied White Reflective Surfacing, Add	0.59	
07 52 16 12-0030 SF 140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped .....	2.15	
For Factory Applied White Reflective Surfacing, Add	0.59	
07 52 16 12-0031 SF 160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped .....	2.34	
For Factory Applied White Reflective Surfacing, Add	0.59	
07 52 16 12-0032 SF 170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped .....	2.49	
For Factory Applied White Reflective Surfacing, Add	0.59	
07 52 16 12-0033 SF 145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped .....	3.32	
07 52 16 12-0034 SF 160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped .....	6.35	
<b>07 52 16 13 Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing</b> <small>(07 52 16)</small>		
07 52 16 13-0001 Torch-Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing <small>(07 52 16 13)</small>		
Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.		

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 13-0002			<b>Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets</b> (07 52 16 13-0001)		
07 52 16 13-0003	SQ		120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Torch-Applied .....	114.87	
			For Up To 10, Add .....	9.50	
			For >10 To 25, Add .....	8.25	
07 52 16 13-0004	SQ		150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied .....	102.58	
			For Up To 10, Add .....	9.11	
			For >10 To 25, Add .....	7.78	
			For Factory Applied White Reflective Surfacing, Add .....	58.84	
07 52 16 13-0005	SQ		160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied .....	117.92	
			For Up To 10, Add .....	9.87	
			For >10 To 25, Add .....	8.55	
			For Factory Applied White Reflective Surfacing, Add .....	58.84	
07 52 16 13-0006	SQ		180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied .....	187.42	
			For Up To 10, Add .....	13.35	
			For >10 To 25, Add .....	12.02	
			For Factory Applied White Reflective Surfacing, Add .....	58.84	
07 52 16 13-0007	SQ		150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied .....	106.97	
			For Up To 10, Add .....	9.33	
			For >10 To 25, Add .....	8.00	
			For Factory Applied White Reflective Surfacing, Add .....	58.84	
07 52 16 13-0008	SQ		160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied .....	125.04	
			For Up To 10, Add .....	10.23	
			For >10 To 25, Add .....	8.90	
			For Factory Applied White Reflective Surfacing, Add .....	58.84	
07 52 16 13-0009	SQ		165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied .....	130.74	
			For Up To 10, Add .....	10.52	
			For >10 To 25, Add .....	9.19	
			For Factory Applied White Reflective Surfacing, Add .....	58.84	
07 52 16 13-0010	SQ		180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied .....	172.93	
			For Up To 10, Add .....	12.62	
			For >10 To 25, Add .....	11.30	
			For Factory Applied White Reflective Surfacing, Add .....	58.84	
07 52 16 13-0011			<b>Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing</b> (07 52 16 13-0001)		
07 52 16 13-0012	SF		150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied .....	1.82	
07 52 16 13-0013	SF		150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied .....	1.81	
			For Factory Applied White Reflective Surfacing, Add .....	0.59	
07 52 16 13-0014	SF		180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied .....	2.50	
			For Factory Applied White Reflective Surfacing, Add .....	0.59	
07 52 16 13-0015	SF		160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied .....	1.89	
			For Factory Applied White Reflective Surfacing, Add .....	0.59	
07 52 16 13-0016	SF		165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied .....	1.93	
			For Factory Applied White Reflective Surfacing, Add .....	0.59	
07 52 16 13-0017	SF		180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied .....	2.36	
			For Factory Applied White Reflective Surfacing, Add .....	0.59	
07 52 16 13-0018	SF		150 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied .....	2.45	
07 52 16 13-0019	SF		160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied .....	5.90	
07 52 16 14			<b>Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing</b> (07 52 16)		
07 52 16 14-0001			<b>Mechanically Fastened Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing</b> (07 52 16 14) Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.		
07 52 16 14-0002			<b>Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base And Ply Sheets</b> (07 52 16 14-0001)		
07 52 16 14-0003	SQ		35 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Mechanically Fastened .....	79.71	
			For Up To 10, Add .....	6.48	
			For >10 To 25, Add .....	5.65	
07 52 16 14-0004	SQ		50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened .....	61.31	
			For Up To 10, Add .....	5.56	
			For >10 To 25, Add .....	4.73	
07 52 16 14-0005	SQ		80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened .....	79.43	
			For Up To 10, Add .....	6.47	
			For >10 To 25, Add .....	5.64	
07 52 16 14-0006	SQ		90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened .....	99.44	
			For Up To 10, Add .....	7.47	
			For >10 To 25, Add .....	6.64	
07 52 16 14-0007	SQ		120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened .....	124.86	
			For Up To 10, Add .....	8.74	
			For >10 To 25, Add .....	7.91	



<b>Thermal And Moisture Protection</b>	<b>07</b>
<b>Membrane Roofing</b>	<b>07 50</b>
<b>Modified Bituminous Membrane Roofing</b>	<b>07 52</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 52 16 14-0008	<b>Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing</b> <small>(07 52 16 14-0001)</small>	
07 52 16 14-0009	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened..... 1.57
07 52 16 14-0010	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened..... 1.61

**07 52 16 15 Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing** (07 52 16)

07 52 16 15-0001	<b>Self-Adhering Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing</b> <small>(07 52 16 15)</small>	
	Note: Includes fiberglass and/or polyester reinforcement. Includes removing the release film(s) from the membrane and applying the membrane.	
07 52 16 15-0002	<b>Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets</b> <small>(07 52 16 15-0001)</small>	
07 52 16 15-0003	SQ	60 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering..... 63.88
		<i>For Up To 10, Add</i> 6.20
		<i>For &gt;10 To 25, Add</i> 5.20
07 52 16 15-0004	SQ	70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering..... 67.69
		<i>For Up To 10, Add</i> 6.39
		<i>For &gt;10 To 25, Add</i> 5.39
07 52 16 15-0005	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering..... 114.28
		<i>For Up To 10, Add</i> 8.94
		<i>For &gt;10 To 25, Add</i> 7.87
07 52 16 15-0006	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering ..... 136.63
		<i>For Up To 10, Add</i> 10.06
		<i>For &gt;10 To 25, Add</i> 8.98
		<i>For Factory Applied White Reflective Surfacing, Add</i> 58.84
07 52 16 15-0007	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering ..... 202.53
		<i>For Up To 10, Add</i> 13.35
		<i>For &gt;10 To 25, Add</i> 12.28
		<i>For Factory Applied White Reflective Surfacing, Add</i> 58.84

07 52 16 15-0008	<b>Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing</b> <small>(07 52 16 15-0001)</small>	
07 52 16 15-0009	SF	70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering..... 1.80
07 52 16 15-0010	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering..... 2.02
		<i>For Factory Applied White Reflective Surfacing, Add</i> 0.59
07 52 16 15-0011	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering..... 2.68
		<i>For Factory Applied White Reflective Surfacing, Add</i> 0.59

**07 53 Elastomeric Membrane Roofing** (07 50)

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

**07 53 16 Chlorosulfonate-Polyethylene Roofing** (07 53)

07 53 16 00-0001	<b>Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membranes</b> <small>(07 53 16)</small>	
	Note: Includes hot air welding or adhesive bonding of seams.	
07 53 16 00-0002	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Fully Adhered..... 251.32
		Note: Includes adhesive.
		<i>For Up To 10, Add</i> 36.59
		<i>For &gt;10 To 25, Add</i> 28.58
		<i>For 15 Year Warranty, Add</i> 3.00
07 53 16 00-0003	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Ballasted ..... 182.23
		Note: Includes ballast.
		<i>For Up To 10, Add</i> 21.12
		<i>For &gt;10 To 25, Add</i> 17.12
		<i>For 15 Year Warranty, Add</i> 3.00
07 53 16 00-0004	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Mechanically Fastened..... 193.66
		Note: Includes fasteners.
		<i>For Up To 10, Add</i> 27.70
		<i>For &gt;10 To 25, Add</i> 21.70
		<i>For 15 Year Warranty, Add</i> 3.00
		<i>For Mechanically Fastened To Concrete Decks, Add</i> 15.19
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add</i> 15.91

**07 53 23 Ethylene-Propylene-Diene-Monomer Roofing** (07 53)

07 53 23 00-0001	<b>Ethylene Propylene Diene Monomer (EPDM) Roofing Membranes</b> <small>(07 53 23)</small>	
	Note: Includes splicing of seams using adhesive or seam tape. Black ethylene propylene diene monomer (EPDM).	



**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 53 Elastomeric Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0002	SQ		45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted .....	128.54	20.26
			Note: Includes ballast.		
			For Up To 10, Add	18.44	
			For >10 To 25, Add	14.44	
			For 15 Year Warranty, Add	3.00	
			For Low Slope Fire Rated, Add	4.73	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	11.49	
07 53 23 00-0003	SQ		60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted .....	144.66	21.52
			Note: Includes ballast.		
			For Up To 10, Add	20.00	
			For >10 To 25, Add	15.74	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Low Slope Fire Rated, Add	4.73	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	11.49	
07 53 23 00-0004	SQ		90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted .....	217.79	22.78
			Note: Includes ballast.		
			For Up To 10, Add	24.40	
			For >10 To 25, Add	19.90	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Low Slope Fire Rated, Add	4.73	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	11.49	
07 53 23 00-0005	SQ		45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%) .....	149.09	30.38
			Note: Includes adhesive and fasteners.		
			For Up To 10, Add	25.47	
			For >10 To 25, Add	19.47	
			For 15 Year Warranty, Add	3.00	
			For Low Slope Fire Rated, Add	4.73	
			For Low VOC Adhesive, Add	23.15	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	11.49	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	45.11	
			For Integral Polyester Fleece-Backing, Add	67.23	
07 53 23 00-0006	SQ		60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%) .....	165.20	31.65
			Note: Includes adhesive and fasteners.		
			For Up To 10, Add	27.03	
			For >10 To 25, Add	20.77	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Low Slope Fire Rated, Add	4.73	
			For Low VOC Adhesive, Add	23.15	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	11.49	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	45.11	
			For Integral Polyester Fleece-Backing, Add	74.16	
07 53 23 00-0007	SQ		90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%) .....	238.34	32.91
			Note: Includes adhesive and fasteners.		
			For Up To 10, Add	31.44	
			For >10 To 25, Add	24.93	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Low Slope Fire Rated, Add	4.73	
			For Low VOC Adhesive, Add	23.15	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	45.11	
			For Integral Polyester Fleece-Backing, Add	81.73	
07 53 23 00-0008	SQ		45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered .....	196.86	40.51
			Note: Includes adhesive and fasteners.		
			For Up To 10, Add	33.87	
			For >10 To 25, Add	25.86	
			For 15 Year Warranty, Add	3.00	
			For Low Slope Fire Rated, Add	4.73	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	11.49	
			For Low VOC Adhesive, Add	57.89	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	45.11	
			For Integral Polyester Fleece-Backing, Add	67.23	
07 53 23 00-0009	SQ		60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered .....	212.99	41.78
			Note: Includes adhesive and fasteners.		
			For Up To 10, Add	35.43	
			For >10 To 25, Add	27.17	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Low Slope Fire Rated, Add	4.73	
			For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	11.49	
			For Low VOC Adhesive, Add	57.89	
			For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	45.11	
			For Integral Polyester Fleece-Backing, Add	74.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0010 SQ 90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered.....	286.12	43.04
Note: Includes adhesive and fasteners.		
For Up To 10, Add	39.83	
For >10 To 25, Add	31.32	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
For Low Slope Fire Rated, Add	4.73	
For Low VOC Adhesive, Add	57.89	
For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	45.11	
For Integral Polyester Fleece-Backing, Add	81.73	
07 53 23 00-0011 SQ 45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened .....	139.83	30.38
Note: Includes fasteners.		
For Up To 10, Add	25.01	
For >10 To 25, Add	19.00	
For 15 Year Warranty, Add	3.00	
For Low Slope Fire Rated, Add	4.73	
For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	11.49	
For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	45.11	
For Mechanically Fastened To Concrete Decks, Add	15.19	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	15.91	
07 53 23 00-0012 SQ 60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened .....	155.95	31.65
Note: Includes fasteners.		
For Up To 10, Add	26.57	
For >10 To 25, Add	20.31	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
For Low Slope Fire Rated, Add	4.73	
For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	11.49	
For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	45.11	
For Mechanically Fastened To Concrete Decks, Add	15.83	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	16.55	
07 53 23 00-0013 SQ 90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened .....	229.09	32.91
Note: Includes fasteners.		
For Up To 10, Add	30.98	
For >10 To 25, Add	24.47	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
For Low Slope Fire Rated, Add	4.73	
For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	45.11	
For Mechanically Fastened To Concrete Decks, Add	16.46	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	17.18	
<b>07 53 23 00-0014 Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane Accessories</b> <small>(07 53 23)</small>		
07 53 23 00-0015 SQ Acrylic, Ethylene Propylene Diene Monomer (EPDM) Roofing Primer, Price Per Coat.....	37.79	
For Up To 10, Add	4.89	
For >10 To 25, Add	3.89	
07 53 23 00-0016 SQ Acrylic Elastomeric, Surface Or Base Coating For Ethylene Propylene Diene Monomer (EPDM) Roofing, Price Per Coat .....	39.17	
Note: 55% solids by volume.		
For Up To 10, Add	4.96	
For >10 To 25, Add	3.96	
07 53 23 00-0017 EA Up To 4" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	23.05	4.81
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0018 EA >4" To 8" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	33.97	4.81
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0019 EA >8" To 13" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	65.47	4.81
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0020 EA 6" Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Penetration Pocket .....	87.29	5.32
Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 53 23 00-0021 LF 30" Wide, Ethylene Propylene Diene Monomer (EPDM) Walkway Protection Pad .....	18.29	2.93
Note: Includes factory installed peel and stick adhesive tape.		
07 53 23 00-0022 SF Ethylene Propylene Diene Monomer (EPDM) Membrane Base Flashing.....	3.36	0.76
07 53 23 00-0023 SF Ethylene Propylene Diene Monomer (EPDM) Membrane Curb Flashing .....	4.11	1.14
<b>07 53 29 Polyisobutylene Roofing</b> <small>(07 53)</small>		
<b>07 53 29 00-0001 Polyisobutylene (PIB) Roofing Membranes</b> <small>(07 53 29)</small>		
Note: Includes integral polyester fleece-backing. Includes splicing of seams using adhesive or seam tape.		
07 53 29 00-0002 SQ 100 Mil, Single Ply PIB Roofing Membrane, Ballasted .....	281.13	22.78
Note: Includes ballast.		
For Up To 10, Add	27.57	
For >10 To 25, Add	23.07	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 53 Elastomeric Membrane Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 29 00-0003	SQ		100 Mil, Single Ply PIB Roofing Membrane, Partially Adhered (40%).....	310.48	32.91
			Note: Includes adhesive.		
			For Up To 10, Add	35.05	
			For >10 To 25, Add	28.54	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
07 53 29 00-0004	SQ		100 Mil, Single Ply PIB Roofing Membrane, Fully Adhered .....	371.47	43.04
			Note: Includes adhesive.		
			For Up To 10, Add	44.10	
			For >10 To 25, Add	35.59	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	

**07 54 Thermoplastic Membrane Roofing** (07 50)

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

**07 54 19 Polyvinyl-Chloride Roofing** (07 54)**07 54 19 00-0001 Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes** (07 54 19)

Note: Includes polyester fabric reinforcement and hot air welding of seams. RPVC membranes meet or exceed all of the requirements of ASTM D4434 Type III.

07 54 19 00-0002	SQ		48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted .....	163.08	20.26
			Note: Includes ballast.		
			For Up To 10, Add	20.17	
			For >10 To 25, Add	16.16	
			For 15 Year Warranty, Add	3.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	41.16	
07 54 19 00-0003	SQ		60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted .....	187.14	21.52
			Note: Includes ballast.		
			For Up To 10, Add	22.12	
			For >10 To 25, Add	17.87	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	41.16	
07 54 19 00-0004	SQ		72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted .....	215.93	22.16
			Note: Includes ballast.		
			For Up To 10, Add	23.94	
			For >10 To 25, Add	19.56	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	41.16	
07 54 19 00-0005	SQ		80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted .....	229.15	22.78
			Note: Includes ballast.		
			For Up To 10, Add	24.97	
			For >10 To 25, Add	20.47	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Colors, Add	26.00	
			For Integral Polyester Fleece-Backing, Add	41.16	
07 54 19 00-0006	SQ		48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered .....	214.03	40.51
			Note: Includes adhesive.		
			For Up To 10, Add	34.73	
			For >10 To 25, Add	26.72	
			For 15 Year Warranty, Add	3.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	33.99	
			For Integral Polyester Fleece-Backing, Add	41.16	
07 54 19 00-0007	SQ		60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered .....	238.10	41.78
			Note: Includes adhesive.		
			For Up To 10, Add	36.68	
			For >10 To 25, Add	28.42	
			For 15 Year Warranty, Add	3.00	
			For 20 Year Warranty, Add	6.00	
			For 25 Year Warranty, Add	8.00	
			For Colors, Add	26.00	
			For Low VOC Adhesive, Add	33.99	
			For Integral Polyester Fleece-Backing, Add	41.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0008 SQ 72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered.....	266.88	42.41
Note: Includes adhesive.		
For Up To 10, Add	38.50	
For >10 To 25, Add	30.11	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
For Colors, Add	26.00	
For Low VOC Adhesive, Add	33.99	
For Integral Polyester Fleece-Backing, Add	41.16	
07 54 19 00-0009 SQ 80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered.....	280.10	43.04
Note: Includes adhesive.		
For Up To 10, Add	39.53	
For >10 To 25, Add	31.02	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
For Colors, Add	26.00	
For Low VOC Adhesive, Add	33.99	
For Integral Polyester Fleece-Backing, Add	41.16	
07 54 19 00-0010 SQ 48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened.....	169.89	30.38
Note: Includes fasteners.		
For Up To 10, Add	26.51	
For >10 To 25, Add	20.51	
For 15 Year Warranty, Add	3.00	
For Colors, Add	26.00	
For Integral Polyester Fleece-Backing, Add	41.16	
For Mechanically Fastened To Concrete Decks, Add	15.19	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	15.91	
07 54 19 00-0011 SQ 60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened.....	193.95	31.65
Note: Includes fasteners.		
For Up To 10, Add	28.47	
For >10 To 25, Add	22.21	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
For Colors, Add	26.00	
For Integral Polyester Fleece-Backing, Add	41.16	
For Mechanically Fastened To Concrete Decks, Add	15.83	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	16.55	
07 54 19 00-0012 SQ 72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened.....	222.73	32.29
Note: Includes fasteners.		
For Up To 10, Add	30.28	
For >10 To 25, Add	23.90	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
For Colors, Add	26.00	
For Integral Polyester Fleece-Backing, Add	41.16	
For Mechanically Fastened To Concrete Decks, Add	16.14	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	16.86	
07 54 19 00-0013 SQ 80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened.....	235.96	32.91
Note: Includes fasteners.		
For Up To 10, Add	31.32	
For >10 To 25, Add	24.81	
For 15 Year Warranty, Add	3.00	
For 20 Year Warranty, Add	6.00	
For 25 Year Warranty, Add	8.00	
For Colors, Add	26.00	
For Integral Polyester Fleece-Backing, Add	41.16	
For Mechanically Fastened To Concrete Decks, Add	16.46	
For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	17.18	
<b>07 54 19 00-0014 Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane Accessories (07 54 19)</b>		
07 54 19 00-0015 SQ Acrylic, Polyvinyl Chloride (PVC) Roofing Cleaner/Primer, Price Per Coat.....	37.79	
For Up To 10, Add	4.89	
For >10 To 25, Add	3.89	
07 54 19 00-0016 SQ Acrylic Elastomeric, Surface Or Base Coating For Polyvinyl Chloride (PVC) Roofing, Price Per Coat.....	39.17	
Note: 55% solids by volume.		
For Up To 10, Add	4.96	
For >10 To 25, Add	3.96	
07 54 19 00-0017 EA Up To 3" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot.....	39.91	4.30
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0018 EA >3" To 7" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot.....	56.60	4.81
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0019 EA >7" To 12" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot.....	72.78	5.32
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0020 EA 6" Diameter, Prefabricated Polyvinyl Chloride (PVC) Penetration Pocket.....	93.27	5.32
Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 54 19 00-0021 LF 36" Wide, Polyvinyl Chloride (PVC) Walkway Protection Pad.....	15.47	2.93
07 54 19 00-0022 SF Polyvinyl Chloride (PVC) Membrane Base Flashing.....	4.07	0.76
07 54 19 00-0023 SF Polyvinyl Chloride (PVC) Membrane Curb Flashing.....	4.82	1.14
07 54 19 00-0024 SF Polyvinyl Chloride (PVC) Clad Edge Metal Or Base Flashing.....	5.65	0.76
Note: 20 Mil polyvinyl chloride (PVC) membrane laminated to 24 gauge galvanized steel.		

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 54 Thermoplastic Membrane Roofing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**07 54 23 Thermoplastic-Polyolefin Roofing (07 54)****07 54 23 00-0001 Thermoplastic Polyolefin (TPO) Roofing Membranes (07 54 23)**

Note: Includes polyester fabric reinforcement and hot air welding of seams.

07 54 23 00-0002	SQ	45 Mil, Single Ply TPO Roofing Membrane, Fully Adhered.....	189.55	40.51
		Note: Includes adhesive.		
		For Up To 10, Add	33.50	
		For >10 To 25, Add	25.49	
		For 15 Year Warranty, Add	3.00	
		For Low VOC Adhesive, Add	57.89	
		For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0003	SQ	60 Mil, Single Ply TPO Roofing Membrane, Fully Adhered.....	202.80	41.78
		Note: Includes adhesive.		
		For Up To 10, Add	34.92	
		For >10 To 25, Add	26.66	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	6.00	
		For 25 Year Warranty, Add	8.00	
		For Low VOC Adhesive, Add	57.89	
		For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0004	SQ	80 Mil, Single Ply TPO Roofing Membrane, Fully Adhered.....	260.39	43.04
		Note: Includes adhesive.		
		For Up To 10, Add	38.55	
		For >10 To 25, Add	30.04	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	6.00	
		For 25 Year Warranty, Add	8.00	
		For Low VOC Adhesive, Add	57.89	
		For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0005	SQ	45 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened .....	128.03	30.38
		Note: Includes fasteners.		
		For Up To 10, Add	24.42	
		For >10 To 25, Add	18.41	
		For 15 Year Warranty, Add	3.00	
		For Integral Polyester Fleece-Backing, Add	33.25	
		For Mechanically Fastened To Concrete Decks, Add	15.19	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	15.91	
07 54 23 00-0006	SQ	60 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened .....	141.28	31.65
		Note: Includes fasteners.		
		For Up To 10, Add	25.83	
		For >10 To 25, Add	19.58	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	6.00	
		For 25 Year Warranty, Add	8.00	
		For Integral Polyester Fleece-Backing, Add	33.25	
		For Mechanically Fastened To Concrete Decks, Add	15.83	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	16.55	
07 54 23 00-0007	SQ	80 Mil, Single Ply TPO Roofing Membrane, Mechanically Fastened .....	198.88	32.91
		Note: Includes fasteners.		
		For Up To 10, Add	29.47	
		For >10 To 25, Add	22.96	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	6.00	
		For 25 Year Warranty, Add	8.00	
		For Integral Polyester Fleece-Backing, Add	33.25	
		For Mechanically Fastened To Concrete Decks, Add	16.46	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	17.18	

**07 54 23 00-0008 Thermoplastic Polyolefin (TPO) Roofing Membrane Accessories (07 54 23)**

07 54 23 00-0009	SQ	Acrylic, TPO Roofing Primer, Price Per Coat.....	45.39	
		For Up To 10, Add	5.27	
		For >10 To 25, Add	4.27	
07 54 23 00-0010	SQ	Acrylic Elastomeric, Surface Or Base Coating For TPO Roofing, Price Per Coat.....	39.17	
		Note: 55% solids by volume.		
		For Up To 10, Add	4.96	
		For >10 To 25, Add	3.96	
		For Tan Or Gray Color, Add	1.45	
07 54 23 00-0011	EA	Up To 3" Pipe Diameter, Prefabricated TPO Pipe Cone/Boot.....	34.10	4.30
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 23 00-0012	EA	>3" To 8" Pipe Diameter, Prefabricated TPO Pipe Cone/Boot.....	36.73	4.81
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 23 00-0013	EA	6" Diameter, Prefabricated TPO Penetration Pocket .....	69.08	5.32
		Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 54 23 00-0014	LF	30" Wide, TPO Walkway Protection Pad .....	15.26	2.93
07 54 23 00-0015	SF	TPO Membrane Base Flashing.....	4.27	0.76
07 54 23 00-0016	SF	TPO Clad Edge Metal Or Base Flashing .....	6.45	0.76
		Note: 20 Mil TPO membrane laminated to 24 gauge galvanized steel.		
07 54 23 00-0017	SF	TPO Curb Flashing .....	3.44	0.76
		For Tan Or Gray Color, Add	0.06	



<b>Thermal And Moisture Protection</b>		<b>07</b>
<b>Membrane Roofing</b>		<b>07 50</b>
<b>Fluid-Applied Roofing</b>		<b>07 56</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**07 56 Fluid-Applied Roofing** (07 50)

07 56 00 00-0001	Neoprene Hypalon Liquid Roofing, 5 Coats <small>(07 56)</small>		
07 56 00 00-0002	SQ 60 Mil 5 Coat Spray-on Neoprene Hypalon Liquid Roofing ..... <i>For Each Additional Coat, Add</i>	641.56	67.59
		96.23	
07 56 00 00-0003	Vinyl Spray Liquid Roofing <small>(07 56)</small>		
07 56 00 00-0004	SQ 2 Mil Vinyl Liquid Roofing.....	555.87	71.23
07 56 00 00-0005	SQ 4 Mil Vinyl Liquid Roofing.....	622.03	79.55
07 56 00 00-0006	Silicone Elastomeric Liquid Roofing <small>(07 56)</small>		
07 56 00 00-0007	SQ 65% Solids, Silicone Elastomeric Spray-on Roofing, 3 Coats, 16 Mil Per Coat.....	238.76	40.82
07 56 00 00-0008	SQ 65% Solids, Silicone Elastomeric Rolled-on Roofing, 3 Coats, 16 Mil Per Coat.....	278.32	40.82
07 56 00 00-0009	SQ 65% Solids, Silicone Elastomeric Brushed-on Roofing, 3 Coats, 16 Mil Per Coat.....	308.08	40.82
07 56 00 00-0010	Elastomeric Asphalt/Urethane Liquid Roofing Membrane <small>(07 56)</small>		
07 56 00 00-0011	SQ 90 Mil, Elastomeric Asphalt/Urethane Liquid Roofing Membrane ..... Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 60 mil second coat.	819.82	40.82
07 56 00 00-0012	Urethane Liquid Roofing Membrane <small>(07 56)</small>		
	Note: Garland White Knight Energy Star single component urethane restoration system. 10 year warranty. Used for restoration of membrane, built up, metal and modified roofing systems.		
07 56 00 00-0013	SQ Ulti-Mat™ 38" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems.....	54.02	
07 56 00 00-0014	LF Ulti-Mat™ 6" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems.....	2.49	
07 56 00 00-0015	SQ White-Knight® Premium Multi-Purpose Urethane Restoration Reflective Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ).....	206.70	
07 56 00 00-0016	SQ White-Knight® Metal Primer One Component Metal Primer For Placement Under The White-Knight System.....	52.37	
07 56 00 00-0017	SQ White-Knight® Plus High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply.....	514.10	
07 56 00 00-0018	SQ White-Knight® Plus Base Coat High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply.....	779.91	
07 56 00 00-0019	SQ White-Knight® Plus WC High Strength, Multi-Purpose, VOC Compliant, Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply.....	531.97	
07 56 00 00-0020	SQ White-Star Premium, White Polyurea Restoration Adhesive For Mineral And Smooth Modified And BUR (2 GAL/SQ).....	135.14	

**07 57 Coated Foamed Roofing** (07 50)

**07 57 13 Sprayed Polyurethane Foam Roofing** (07 57)

Note: Includes power washing. Excludes ballast removal and priming metal surfaces. Excludes walkways.

07 57 13 00-0001	Sprayed Polyurethane Foam Roofing Systems <small>(07 57 13)</small>		
07 57 13 00-0002	Sprayed Polyurethane Foam Roofing Systems With Acrylic Elastomeric Coating <small>(07 57 13 00-0001)</small>		
07 57 13 00-0003	Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating <small>(07 57 13 00-0002)</small>		
	Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 5 year warranty.		
07 57 13 00-0004	SQ 1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	224.16	24.62
07 57 13 00-0005	SQ 1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	275.13	26.37
07 57 13 00-0006	SQ 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	326.10	28.13
07 57 13 00-0007	SQ 3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	438.87	31.65
07 57 13 00-0008	SQ 4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	529.98	35.17
07 57 13 00-0009	SQ 5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	631.92	38.69
07 57 13 00-0010	SQ 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	733.85	42.20
07 57 13 00-0011	Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating <small>(07 57 13 00-0002)</small>		
	Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 10 year warranty.		
07 57 13 00-0012	SQ 1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	232.58	24.62
07 57 13 00-0013	SQ 1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	283.54	26.37
07 57 13 00-0014	SQ 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	334.52	28.13

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 57 Coated Foamed Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0015	SQ		3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	436.46	31.65
07 57 13 00-0016	SQ		4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	538.40	35.17
07 57 13 00-0017	SQ		5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	640.34	38.69
07 57 13 00-0018	SQ		6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	742.27	42.20
<b>07 57 13 00-0019</b>			<b>Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating</b> <small>(07 57 13 00-0002)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 15 year warranty.		
07 57 13 00-0020	SQ		1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	253.02	24.62
07 57 13 00-0021	SQ		1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	302.18	26.37
07 57 13 00-0022	SQ		2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	351.36	28.13
07 57 13 00-0023	SQ		3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	453.29	31.65
07 57 13 00-0024	SQ		4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	600.21	35.17
07 57 13 00-0025	SQ		5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	711.29	38.69
07 57 13 00-0026	SQ		6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	822.36	42.20
<b>07 57 13 00-0027</b>			<b>Sprayed Polyurethane Foam Roofing Systems With Silicone Elastomeric Coating</b> <small>(07 57 13 00-0001)</small>		
<b>07 57 13 00-0028</b>			<b>Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating</b> <small>(07 57 13 00-0027)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 5 year warranty.		
07 57 13 00-0029	SQ		1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	259.03	24.62
07 57 13 00-0030	SQ		1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	314.57	26.37
07 57 13 00-0031	SQ		2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	370.11	28.13
07 57 13 00-0032	SQ		3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	481.19	31.65
07 57 13 00-0033	SQ		4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	592.27	35.17
07 57 13 00-0034	SQ		5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	703.35	38.69
07 57 13 00-0035	SQ		6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating.....	814.42	42.20
<b>07 57 13 00-0036</b>			<b>Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating</b> <small>(07 57 13 00-0027)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 10 year warranty.		
07 57 13 00-0037	SQ		1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	270.94	24.62
07 57 13 00-0038	SQ		1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	326.47	26.37
07 57 13 00-0039	SQ		2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	382.02	28.13
07 57 13 00-0040	SQ		3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	493.10	31.65
07 57 13 00-0041	SQ		4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	604.18	35.17
07 57 13 00-0042	SQ		5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	715.26	38.69
07 57 13 00-0043	SQ		6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating.....	826.32	42.20
<b>07 57 13 00-0044</b>			<b>Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating</b> <small>(07 57 13 00-0027)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 15 year warranty.		
07 57 13 00-0045	SQ		1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	280.20	24.62
07 57 13 00-0046	SQ		1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	335.73	26.37



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0047 SQ 2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating .....	391.28	28.13
07 57 13 00-0048 SQ 3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating .....	502.36	31.65
07 57 13 00-0049 SQ 4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating .....	613.44	35.17
07 57 13 00-0050 SQ 5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating .....	724.51	38.69
07 57 13 00-0051 SQ 6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating .....	835.58	42.20
 <b>07 58 Roll Roofing</b> <small>(07 50)</small>		
07 58 00 00-0001 Prepared Roll Roofing <small>(07 58)</small> Note: Fastened with roofing nails and roofing cement. Includes fasteners and adhesive. Excludes warranty. See CSI section 07 51 13 00-0033 for underlayment.		
07 58 00 00-0002 SQ Granule Surfaced, 90 LB, Asphalt Saturated Organic Felt Roll Roofing.....	114.69	15.83
 <b>07 59 Membrane Roofing Termination Bar</b> <small>(07 50)</small>		
07 59 00 00-0001 Membrane Roofing Termination Bar <small>(07 50)</small>		
07 59 00 00-0002 LF Membrane Roofing Termination Bar..... Note: Includes fasteners and caulking.	2.50	0.73
 <b>07 60 Flashing And Sheet Metal</b> <small>(07)</small>		
<b>07 61 Sheet Metal Roofing</b> <small>(07 60)</small>		
<b>07 61 13 Standing Seam Sheet Metal Roofing</b> <small>(07 61)</small>		
07 61 13 00-0001 Standing Seam Concealed Fastener Roofing <small>(07 61 13)</small>		
07 61 13 00-0002 Copper Standing Seam Concealed Fastener Roofing <small>(07 61 13 00-0001)</small>		
07 61 13 00-0003 SF Architectural 16 Ounce Copper Standing Seam Concealed Fastener Roofing.....	13.63	1.82
<i>For Steep Roof, Over 6 To 12, Add</i>	1.09	
<i>For 140 MPH Wind Load, Add</i>	0.56	
<i>For Panels &lt;16" Wide, Add</i>	1.35	
<i>For Up To 1,500, Add</i>	3.41	
<i>For &gt;1,500 To 5,000, Add</i>	2.04	
<i>For &gt;5,000 To 10,000, Add</i>	0.34	
07 61 13 00-0004 SF Architectural 18 Ounce Copper Standing Seam Concealed Fastener Roofing.....	14.91	1.97
<i>For Steep Roof, Over 6 To 12, Add</i>	1.18	
<i>For 140 MPH Wind Load, Add</i>	0.61	
<i>For Panels &lt;16" Wide, Add</i>	1.47	
<i>For Up To 1,500, Add</i>	3.73	
<i>For &gt;1,500 To 5,000, Add</i>	2.24	
<i>For &gt;5,000 To 10,000, Add</i>	0.37	
07 61 13 00-0005 SF Architectural 20 Ounce Copper Standing Seam Concealed Fastener Roofing.....	17.47	2.14
<i>For Steep Roof, Over 6 To 12, Add</i>	1.29	
<i>For 140 MPH Wind Load, Add</i>	0.69	
<i>For Panels &lt;16" Wide, Add</i>	1.67	
<i>For Up To 1,500, Add</i>	4.37	
<i>For &gt;1,500 To 5,000, Add</i>	2.62	
<i>For &gt;5,000 To 10,000, Add</i>	0.44	
07 61 13 00-0006 Zinc/Copper Standing Seam Concealed Fastener Roofing <small>(07 61 13 00-0001)</small>		
07 61 13 00-0007 SF 0.020" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	15.83	1.97
<i>For Steep Roof, Over 6 To 12, Add</i>	1.18	
<i>For 140 MPH Wind Load, Add</i>	0.63	
<i>For Panels &lt;16" Wide, Add</i>	1.52	
<i>For Up To 1,500, Add</i>	3.96	
<i>For &gt;1,500 To 5,000, Add</i>	2.37	
<i>For &gt;5,000 To 10,000, Add</i>	0.40	
<i>For Tin/Copper, Deduct</i>	-0.24	
07 61 13 00-0008 SF 0.027" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	18.98	2.05
<i>For Steep Roof, Over 6 To 12, Add</i>	1.23	
<i>For 140 MPH Wind Load, Add</i>	0.71	
<i>For Panels &lt;16" Wide, Add</i>	1.71	
<i>For Up To 1,500, Add</i>	4.75	
<i>For &gt;1,500 To 5,000, Add</i>	2.85	
<i>For &gt;5,000 To 10,000, Add</i>	0.47	
<i>For Tin/Copper, Deduct</i>	-0.30	
07 61 13 00-0009 SF 0.032" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	21.47	2.14
<i>For Steep Roof, Over 6 To 12, Add</i>	1.29	
<i>For 140 MPH Wind Load, Add</i>	0.77	
<i>For Panels &lt;16" Wide, Add</i>	1.87	
<i>For Up To 1,500, Add</i>	5.37	
<i>For &gt;1,500 To 5,000, Add</i>	3.22	
<i>For &gt;5,000 To 10,000, Add</i>	0.54	
<i>For Tin/Copper, Deduct</i>	-0.34	



**07 Thermal And Moisture Protection****07 60 Flashing And Sheet Metal****07 61 Sheet Metal Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 13 00-0010	SF		0.040" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	26.65	2.24
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.35	
			<i>For 140 MPH Wind Load, Add</i>	0.89	
			<i>For Panels &lt;16" Wide, Add</i>	2.17	
			<i>For Up To 1,500, Add</i>	6.66	
			<i>For &gt;1,500 To 5,000, Add</i>	4.00	
			<i>For &gt;5,000 To 10,000, Add</i>	0.67	
			<i>For Tin/Copper, Deduct</i>	-0.44	
<b>07 61 13 00-0011</b>			<b>Accessories For Copper Standing Seam Concealed Fastener Roofing</b> (07 61 13 00-0001)		
07 61 13 00-0012	LF		Ridge Flashing For Copper Standing Seam Concealed Fastener Roofing.....	55.44	3.75
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.81	
			<i>For 140 MPH Wind Load, Add</i>	1.86	
07 61 13 00-0013	LF		Eave Flashing For Copper Standing Seam Concealed Fastener Roofing.....	33.13	3.75
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.81	
			<i>For 140 MPH Wind Load, Add</i>	1.41	
07 61 13 00-0014	LF		Valley Flashing For Copper Standing Seam Concealed Fastener Roofing.....	76.52	3.75
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.81	
			<i>For 140 MPH Wind Load, Add</i>	2.28	
07 61 13 00-0015	LF		Hip Flashing For Copper Standing Seam Concealed Fastener Roofing.....	57.10	3.75
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.81	
			<i>For 140 MPH Wind Load, Add</i>	1.89	
<b>07 61 16</b>			<b>Batten Seam Sheet Metal Roofing</b> (07 61)		
07 61 16 00-0001			<b>Copper Batten Seam Concealed Fastener Roofing</b> (07 61 16)		
07 61 16 00-0002			<b>Copper Batten Seam Concealed Fastener Roofing</b> (07 61 16 00-0001)		
07 61 16 00-0003	SF		16 Ounce Copper Batten Seam Concealed Fastener Roofing.....	16.73	2.14
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.29	
			<i>For 140 MPH Wind Load, Add</i>	0.68	
			<i>For Panels &lt;16" Wide, Add</i>	1.63	
			<i>For Up To 1,500, Add</i>	4.18	
			<i>For &gt;1,500 To 5,000, Add</i>	2.51	
			<i>For &gt;5,000 To 10,000, Add</i>	0.42	
07 61 16 00-0004	SF		18 Ounce Copper Batten Seam Concealed Fastener Roofing.....	18.41	2.25
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.35	
			<i>For 140 MPH Wind Load, Add</i>	0.73	
			<i>For Panels &lt;16" Wide, Add</i>	1.75	
			<i>For Up To 1,500, Add</i>	4.60	
			<i>For &gt;1,500 To 5,000, Add</i>	2.76	
			<i>For &gt;5,000 To 10,000, Add</i>	0.46	
07 61 16 00-0005	SF		20 Ounce Copper Batten Seam Concealed Fastener Roofing.....	21.31	2.36
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.42	
			<i>For 140 MPH Wind Load, Add</i>	0.80	
			<i>For Panels &lt;16" Wide, Add</i>	1.94	
			<i>For Up To 1,500, Add</i>	5.33	
			<i>For &gt;1,500 To 5,000, Add</i>	3.20	
			<i>For &gt;5,000 To 10,000, Add</i>	0.53	
07 61 16 00-0006			<b>Zinc/Copper Batten Seam Concealed Fastener Roofing</b> (07 61 16 00-0001)		
07 61 16 00-0007	SF		0.020" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing.....	16.86	1.97
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.18	
			<i>For 140 MPH Wind Load, Add</i>	0.65	
			<i>For Panels &lt;16" Wide, Add</i>	1.57	
			<i>For Up To 1,500, Add</i>	4.22	
			<i>For &gt;1,500 To 5,000, Add</i>	2.53	
			<i>For &gt;5,000 To 10,000, Add</i>	0.42	
			<i>For Tin/Copper, Deduct</i>	-0.26	
07 61 16 00-0008	SF		0.027" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing.....	20.44	2.05
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.23	
			<i>For 140 MPH Wind Load, Add</i>	0.74	
			<i>For Panels &lt;16" Wide, Add</i>	1.78	
			<i>For Up To 1,500, Add</i>	5.11	
			<i>For &gt;1,500 To 5,000, Add</i>	3.07	
			<i>For &gt;5,000 To 10,000, Add</i>	0.51	
			<i>For Tin/Copper, Deduct</i>	-0.33	
07 61 16 00-0009	SF		0.032" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing.....	22.84	2.14
			<i>For Steep Roof, Over 6 To 12, Add</i>	1.29	
			<i>For 140 MPH Wind Load, Add</i>	0.80	
			<i>For Panels &lt;16" Wide, Add</i>	1.94	
			<i>For Up To 1,500, Add</i>	5.71	
			<i>For &gt;1,500 To 5,000, Add</i>	3.43	
			<i>For &gt;5,000 To 10,000, Add</i>	0.57	
			<i>For Tin/Copper, Deduct</i>	-0.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 16 00-0010 SF 0.040" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing ..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i> <i>For Tin/Copper, Deduct</i>	28.40 1.35 0.93 2.25 7.10 4.26 0.71 -0.48	2.24
<b>07 61 19 Flat Seam Sheet Metal Roofing (07 61)</b>		
07 61 19 00-0001 Copper Flat Seam Concealed Fastener Roofing (07 61 19)		
07 61 19 00-0002 Copper Flat Seam Concealed Fastener Roofing (07 61 19 00-0001)		
07 61 19 00-0003 SF 16 Ounce Copper Flat Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i>	13.10 1.18 0.58 1.38 3.28 1.97 0.33	1.97
07 61 19 00-0004 SF 18 Ounce Copper Flat Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i>	14.34 1.23 0.61 1.48 3.59 2.15 0.36	2.05
07 61 19 00-0005 SF 20 Ounce Copper Flat Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i>	16.50 1.29 0.67 1.62 4.13 2.48 0.41	2.14
07 61 19 00-0006 Zinc/Copper Flat Seam Concealed Fastener Roofing (07 61 19 00-0001)		
07 61 19 00-0007 SF 0.020" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i> <i>For Tin/Copper, Deduct</i>	14.91 1.18 0.61 1.47 3.73 2.24 0.37 -0.22	1.97
07 61 19 00-0008 SF 0.027" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i> <i>For Tin/Copper, Deduct</i>	18.00 1.23 0.69 1.66 4.50 2.70 0.45 -0.28	2.05
07 61 19 00-0009 SF 0.032" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i> <i>For Tin/Copper, Deduct</i>	20.15 1.29 0.75 1.80 5.04 3.02 0.50 -0.32	2.14
07 61 19 00-0010 SF 0.040" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i> <i>For Tin/Copper, Deduct</i>	24.99 1.35 0.86 2.08 6.25 3.75 0.62 -0.41	2.24
<b>07 62 Sheet Metal Flashing And Trim (07 60)</b>		
<b>07 62 13 Fabricated Copings (07 62)</b>		
07 62 13 00-0001 Lead Flashing And Trim (07 62 13)		
07 62 13 00-0002 SF 2.5 LB/SF Sheet Lead Flashing ..... <i>For Up To 100, Add</i>	13.09 3.27	3.15
07 62 13 00-0003 SF 4 LB/SF Sheet Lead Flashing ..... <i>For Up To 100, Add</i>	17.12 4.28	3.15
07 62 13 00-0004 Copper Flashing And Trim (07 62 13)		

**07 Thermal And Moisture Protection****07 60 Flashing And Sheet Metal****07 62 Sheet Metal Flashing And Trim**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 13 00-0005			<b>Copper Flashing And Trim</b> (07 62 13 00-0004)		
07 62 13 00-0006	SF		16 Ounce, 0.021" Thick, Copper Flashing And Trim.....	18.34	3.08
			For Up To 100, Add	4.59	
			For >500 To 2,000, Deduct	-2.51	
			For >2,000, Deduct	-3.12	
			For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	1.22	
			For Wrap Around Window Panning, Add	6.09	
07 62 13 00-0007	SF		20 Ounce, 0.027" Thick, Copper Flashing And Trim.....	18.93	3.15
			For Up To 100, Add	4.73	
			For >500 To 2,000, Deduct	-2.59	
			For >2,000, Deduct	-3.22	
			For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	1.27	
			For Wrap Around Window Panning, Add	6.37	
07 62 13 00-0008	SF		24 Ounce, 0.032" Thick, Copper Flashing And Trim.....	21.74	3.37
			For Up To 100, Add	5.44	
			For >500 To 2,000, Deduct	-2.96	
			For >2,000, Deduct	-3.71	
			For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	1.33	
			For Wrap Around Window Panning, Add	6.67	
07 62 13 00-0009	SF		32 Ounce, 0.043" Thick, Copper Flashing And Trim.....	27.09	3.51
			For Up To 100, Add	6.77	
			For >500 To 2,000, Deduct	-3.66	
			For >2,000, Deduct	-4.67	
			For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	1.40	
			For Wrap Around Window Panning, Add	7.00	
07 62 13 00-0010			<b>Stainless Steel Flashing And Trim</b> (07 62 13)		
07 62 13 00-0011			<b>Stainless Steel Flashing And Trim</b> (07 62 13 00-0010)		
07 62 13 00-0012	SF		32 Gauge, 0.010" Thick, Stainless Steel Flashing And Trim.....	6.51	1.68
			For Up To 100, Add	1.63	
			For Wrap Around Window Panning, Add	4.32	
			For Mechanically Keyed Flashing, Add	0.88	
07 62 13 00-0013	SF		30 Gauge, 0.0125" Thick, Stainless Steel Flashing And Trim.....	7.13	1.89
			For Up To 100, Add	1.78	
			For Wrap Around Window Panning, Add	4.39	
			For Mechanically Keyed Flashing, Add	1.10	
07 62 13 00-0014	SF		28 Gauge, 0.0156" Thick, Stainless Steel Flashing And Trim.....	7.75	2.10
			For Up To 100, Add	1.94	
			For Wrap Around Window Panning, Add	4.47	
			For Mechanically Keyed Flashing, Add	1.31	
07 62 13 00-0015	SF		26 Gauge, 0.0187" Thick, Stainless Steel Flashing And Trim.....	8.72	2.31
			For Up To 100, Add	2.18	
			For Wrap Around Window Panning, Add	4.61	
			For Mechanically Keyed Flashing, Add	1.64	
07 62 13 00-0016	SF		24 Gauge, 0.025" Thick, Stainless Steel Flashing And Trim.....	10.34	2.45
			For Up To 100, Add	2.59	
			For Wrap Around Window Panning, Add	4.87	
			For Mechanically Keyed Flashing, Add	2.19	
07 62 13 00-0017	SF		22 Gauge, 0.031" Thick, Stainless Steel Flashing And Trim.....	11.33	2.57
			For Up To 100, Add	2.83	
			For Wrap Around Window Panning, Add	5.15	
			For Mechanically Keyed Flashing, Add	2.47	
07 62 13 00-0018	SF		20 Gauge, 0.0375" Thick, Stainless Steel Flashing And Trim.....	12.14	2.73
			For Up To 100, Add	3.04	
			For Wrap Around Window Panning, Add	5.45	
			For Mechanically Keyed Flashing, Add	2.68	
07 62 13 00-0019			<b>Aluminum Flashing And Trim</b> (07 62 13)		
07 62 13 00-0020			<b>Aluminum Flashing And Trim</b> (07 62 13 00-0019)		
07 62 13 00-0021	SF		0.013" Thick, Mill Finish, Aluminum Flashing And Trim.....	6.69	2.17
			For Up To 100, Add	1.67	
			For Baked Aluminum Colors, Add	0.19	
			For Wrap Around Window Panning, Add	4.83	
07 62 13 00-0022	SF		0.016" Thick, Mill Finish, Aluminum Flashing And Trim.....	7.09	2.17
			For Up To 100, Add	1.77	
			For Baked Aluminum Colors, Add	0.23	
			For Wrap Around Window Panning, Add	4.83	
07 62 13 00-0023	SF		0.019" Thick, Mill Finish, Aluminum Flashing And Trim.....	7.42	2.17
			For Up To 100, Add	1.86	
			For Baked Aluminum Colors, Add	0.26	
			For Wrap Around Window Panning, Add	4.83	
07 62 13 00-0024	SF		0.024" Thick, Mill Finish, Aluminum Flashing And Trim.....	7.88	2.17
			For Up To 100, Add	1.97	
			For Baked Aluminum Colors, Add	0.31	
			For Wrap Around Window Panning, Add	4.83	
07 62 13 00-0025	SF		0.032" Thick, Mill Finish, Aluminum Flashing And Trim.....	8.53	2.17
			For Up To 100, Add	2.13	
			For Baked Aluminum Colors, Add	0.37	
			For Wrap Around Window Panning, Add	4.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 13 00-0026 SF 0.040" Thick, Mill Finish, Aluminum Flashing And Trim .....	8.93	2.17
<i>For Up To 100, Add</i>	2.23	
<i>For Baked Aluminum Colors, Add</i>	0.41	
<i>For Wrap Around Window Panning, Add</i>	4.83	
07 62 13 00-0027 SF 0.050" Thick, Mill Finish, Aluminum Flashing And Trim .....	9.25	2.17
<i>For Up To 100, Add</i>	2.31	
<i>For Baked Aluminum Colors, Add</i>	0.44	
<i>For Wrap Around Window Panning, Add</i>	4.83	
<b>07 62 13 00-0028 Steel Flashing And Trim <small>(07 62 13)</small></b>		
<b>07 62 13 00-0029 Galvanized Steel Flashing And Trim <small>(07 62 13 00-0028)</small></b>		
07 62 13 00-0030 SF 28 Gauge, 0.019" Thick, Galvanized Steel Flashing.....	7.72	2.10
<i>For Up To 100, Add</i>	1.93	
<i>For Wrap Around Window Panning, Add</i>	4.47	
07 62 13 00-0031 SF 26 Gauge, 0.022" Thick, Galvanized Steel Flashing.....	8.04	2.31
<i>For Up To 100, Add</i>	2.01	
<i>For Wrap Around Window Panning, Add</i>	4.61	
07 62 13 00-0032 SF 24 Gauge, 0.028" Thick, Galvanized Steel Flashing.....	8.57	2.45
<i>For Up To 100, Add</i>	2.14	
<i>For Wrap Around Window Panning, Add</i>	4.87	
07 62 13 00-0033 SF 22 Gauge, 0.034" Thick, Galvanized Steel Flashing.....	9.12	2.57
<i>For Up To 100, Add</i>	2.28	
<i>For Wrap Around Window Panning, Add</i>	5.15	
07 62 13 00-0034 SF 20 Gauge, 0.04" Thick, Galvanized Steel Flashing.....	9.89	2.73
<i>For Up To 100, Add</i>	2.47	
<i>For Wrap Around Window Panning, Add</i>	5.45	
<b>07 62 19 Fabricated Gravel Stops and Fasciae <small>(07 62)</small></b>		
<b>07 62 19 00-0001 Aluminum Drip Edge <small>(07 62 19)</small></b>		
Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
<b>07 62 19 00-0002 KYNAR 500® Finish, Aluminum Drip Edge <small>(07 62 19 00-0001)</small></b>		
<b>07 62 19 00-0003 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge <small>(07 62 19 00-0002)</small></b>		
07 62 19 00-0004 LF Up To 5" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	3.12	0.52
07 62 19 00-0005 LF >5" To 7" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	3.86	0.52
07 62 19 00-0006 LF >7" To 9" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	4.30	0.52
07 62 19 00-0007 LF >9" To 12" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	5.18	0.52
07 62 19 00-0008 LF >12" To 15" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	6.75	0.52
<b>07 62 19 00-0009 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge <small>(07 62 19 00-0002)</small></b>		
07 62 19 00-0010 LF Up To 5" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	3.37	0.52
07 62 19 00-0011 LF >5" To 7" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	4.14	0.52
07 62 19 00-0012 LF >7" To 9" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	4.72	0.52
07 62 19 00-0013 LF >9" To 12" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	5.68	0.52
07 62 19 00-0014 LF >12" To 15" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	7.22	0.52
<b>07 62 19 00-0015 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge <small>(07 62 19 00-0002)</small></b>		
07 62 19 00-0016 LF Up To 5" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	3.62	0.52
07 62 19 00-0017 LF >5" To 7" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	4.47	0.52
07 62 19 00-0018 LF >7" To 9" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	5.12	0.52
07 62 19 00-0019 LF >9" To 12" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	6.17	0.52
07 62 19 00-0020 LF >12" To 15" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	7.88	0.52
<b>07 62 19 00-0021 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge <small>(07 62 19 00-0002)</small></b>		
07 62 19 00-0022 LF Up To 5" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	4.11	0.52
07 62 19 00-0023 LF >5" To 7" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	5.13	0.52
07 62 19 00-0024 LF >7" To 9" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	5.90	0.52
07 62 19 00-0025 LF >9" To 12" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	7.16	0.52
07 62 19 00-0026 LF >12" To 15" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	9.20	0.52
<b>07 62 19 00-0027 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge <small>(07 62 19 00-0002)</small></b>		
07 62 19 00-0028 LF Up To 5" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	4.28	0.52
07 62 19 00-0029 LF >5" To 7" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	5.38	0.52
07 62 19 00-0030 LF >7" To 9" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	6.16	0.52
07 62 19 00-0031 LF >9" To 12" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	7.49	0.52
07 62 19 00-0032 LF >12" To 15" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	9.64	0.52
<b>07 62 19 00-0033 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge <small>(07 62 19 00-0002)</small></b>		
07 62 19 00-0034 LF Up To 5" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	4.85	0.52
07 62 19 00-0035 LF >5" To 7" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	6.12	0.52
07 62 19 00-0036 LF >7" To 9" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	7.07	0.52
07 62 19 00-0037 LF >9" To 12" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	8.65	0.52

**07 Thermal And Moisture Protection****07 60 Flashing And Sheet Metal****07 62 Sheet Metal Flashing And Trim**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0038 LF >12" To 15" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	11.18	0.52
<b>07 62 19 00-0039 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0002)</b>		
07 62 19 00-0040 LF Up To 5" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	5.68	0.52
07 62 19 00-0041 LF >5" To 7" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	7.22	0.52
07 62 19 00-0042 LF >7" To 9" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	8.37	0.52
07 62 19 00-0043 LF >9" To 12" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	10.30	0.52
07 62 19 00-0044 LF >12" To 15" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	13.38	0.52
<b>07 62 19 00-0045 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0002)</b>		
07 62 19 00-0046 LF Up To 5" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	6.67	0.52
07 62 19 00-0047 LF >5" To 7" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	8.54	0.52
07 62 19 00-0048 LF >7" To 9" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	9.94	0.52
07 62 19 00-0049 LF >9" To 12" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	12.28	0.52
07 62 19 00-0050 LF >12" To 15" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	16.02	0.52
<b>07 62 19 00-0051 Mill Finish, Aluminum Drip Edge (07 62 19 00-0001)</b>		
<b>07 62 19 00-0052 0.016" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0051)</b>		
07 62 19 00-0053 LF Up To 5" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge .....	2.48	0.52
07 62 19 00-0054 LF >5" To 7" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge .....	2.99	0.52
07 62 19 00-0055 LF >7" To 9" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge .....	3.30	0.52
07 62 19 00-0056 LF >9" To 12" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge .....	3.90	0.52
07 62 19 00-0057 LF >12" To 15" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge .....	4.99	0.52
<b>07 62 19 00-0058 0.019" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0051)</b>		
07 62 19 00-0059 LF Up To 5" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge .....	2.65	0.52
07 62 19 00-0060 LF >5" To 7" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge .....	3.18	0.52
07 62 19 00-0061 LF >7" To 9" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge .....	3.58	0.52
07 62 19 00-0062 LF >9" To 12" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge .....	4.25	0.52
07 62 19 00-0063 LF >12" To 15" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge .....	5.31	0.52
<b>07 62 19 00-0064 0.025" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0051)</b>		
07 62 19 00-0065 LF Up To 5" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge .....	2.82	0.52
07 62 19 00-0066 LF >5" To 7" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge .....	3.41	0.52
07 62 19 00-0067 LF >7" To 9" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge .....	3.86	0.52
07 62 19 00-0068 LF >9" To 12" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge .....	4.59	0.52
07 62 19 00-0069 LF >12" To 15" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge .....	5.76	0.52
<b>07 62 19 00-0070 0.032" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0051)</b>		
07 62 19 00-0071 LF Up To 5" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge .....	3.16	0.52
07 62 19 00-0072 LF >5" To 7" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge .....	3.87	0.52
07 62 19 00-0073 LF >7" To 9" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge .....	4.40	0.52
07 62 19 00-0074 LF >9" To 12" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge .....	5.27	0.52
07 62 19 00-0075 LF >12" To 15" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge .....	6.67	0.52
<b>07 62 19 00-0076 0.040" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0051)</b>		
07 62 19 00-0077 LF Up To 5" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge .....	3.28	0.52
07 62 19 00-0078 LF >5" To 7" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge .....	4.04	0.52
07 62 19 00-0079 LF >7" To 9" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge .....	4.58	0.52
07 62 19 00-0080 LF >9" To 12" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge .....	5.50	0.52
07 62 19 00-0081 LF >12" To 15" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge .....	6.98	0.52
<b>07 62 19 00-0082 0.050" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0051)</b>		
07 62 19 00-0083 LF Up To 5" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge .....	3.68	0.52
07 62 19 00-0084 LF >5" To 7" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge .....	4.55	0.52
07 62 19 00-0085 LF >7" To 9" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge .....	5.20	0.52
07 62 19 00-0086 LF >9" To 12" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge .....	6.29	0.52
07 62 19 00-0087 LF >12" To 15" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge .....	8.04	0.52
<b>07 62 19 00-0088 0.063" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0051)</b>		
07 62 19 00-0089 LF Up To 5" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge .....	4.25	0.52
07 62 19 00-0090 LF >5" To 7" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge .....	5.31	0.52
07 62 19 00-0091 LF >7" To 9" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge .....	6.10	0.52
07 62 19 00-0092 LF >9" To 12" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge .....	7.43	0.52
07 62 19 00-0093 LF >12" To 15" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge .....	9.55	0.52
<b>07 62 19 00-0094 0.080" Thick, Mill Finish, Aluminum Drip Edge (07 62 19 00-0051)</b>		
07 62 19 00-0095 LF Up To 5" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge .....	4.93	0.52



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0096 LF >5" To 7" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	6.22	0.52
07 62 19 00-0097 LF >7" To 9" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	7.18	0.52
07 62 19 00-0098 LF >9" To 12" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	8.80	0.52
07 62 19 00-0099 LF >12" To 15" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	11.38	0.52
<b>07 62 19 00-0100 Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0001)</b>		
<b>07 62 19 00-0101 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0100)</b>		
07 62 19 00-0102 LF Up To 5" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	3.25	0.52
07 62 19 00-0103 LF >5" To 7" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.03	0.52
07 62 19 00-0104 LF >7" To 9" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.50	0.52
07 62 19 00-0105 LF >9" To 12" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.43	0.52
07 62 19 00-0106 LF >12" To 15" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	7.09	0.52
<b>07 62 19 00-0107 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0100)</b>		
07 62 19 00-0108 LF Up To 5" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	3.51	0.52
07 62 19 00-0109 LF >5" To 7" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.32	0.52
07 62 19 00-0110 LF >7" To 9" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.94	0.52
07 62 19 00-0111 LF >9" To 12" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.96	0.52
07 62 19 00-0112 LF >12" To 15" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	7.59	0.52
<b>07 62 19 00-0113 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0100)</b>		
07 62 19 00-0114 LF Up To 5" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	3.77	0.52
07 62 19 00-0115 LF >5" To 7" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.67	0.52
07 62 19 00-0116 LF >7" To 9" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.36	0.52
07 62 19 00-0117 LF >9" To 12" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.48	0.52
07 62 19 00-0118 LF >12" To 15" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	8.29	0.52
<b>07 62 19 00-0119 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0100)</b>		
07 62 19 00-0120 LF Up To 5" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.30	0.52
07 62 19 00-0121 LF >5" To 7" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.37	0.52
07 62 19 00-0122 LF >7" To 9" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.19	0.52
07 62 19 00-0123 LF >9" To 12" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	7.53	0.52
07 62 19 00-0124 LF >12" To 15" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	9.69	0.52
<b>07 62 19 00-0125 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0100)</b>		
07 62 19 00-0126 LF Up To 5" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	4.47	0.52
07 62 19 00-0127 LF >5" To 7" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.64	0.52
07 62 19 00-0128 LF >7" To 9" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.47	0.52
07 62 19 00-0129 LF >9" To 12" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	7.88	0.52
07 62 19 00-0130 LF >12" To 15" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	10.15	0.52
<b>07 62 19 00-0131 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0100)</b>		
07 62 19 00-0132 LF Up To 5" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.08	0.52
07 62 19 00-0133 LF >5" To 7" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	6.42	0.52
07 62 19 00-0134 LF >7" To 9" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	7.43	0.52
07 62 19 00-0135 LF >9" To 12" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	9.10	0.52
07 62 19 00-0136 LF >12" To 15" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	11.78	0.52
<b>07 62 19 00-0137 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0100)</b>		
07 62 19 00-0138 LF Up To 5" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	5.96	0.52
07 62 19 00-0139 LF >5" To 7" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	7.59	0.52
07 62 19 00-0140 LF >7" To 9" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	8.81	0.52
07 62 19 00-0141 LF >9" To 12" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	10.85	0.52
07 62 19 00-0142 LF >12" To 15" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	14.12	0.52
<b>07 62 19 00-0143 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0100)</b>		
07 62 19 00-0144 LF Up To 5" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	7.01	0.52
07 62 19 00-0145 LF >5" To 7" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	8.99	0.52
07 62 19 00-0146 LF >7" To 9" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	10.47	0.52
07 62 19 00-0147 LF >9" To 12" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	12.95	0.52
07 62 19 00-0148 LF >12" To 15" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	16.91	0.52
<b>07 62 19 00-0149 Galvanized Steel Drip Edge (07 62 19)</b>		
Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
<b>07 62 19 00-0150 Galvanized Steel Drip Edge (07 62 19 00-0149)</b>		
<b>07 62 19 00-0151 26 Gauge, Galvanized Steel Drip Edge (07 62 19 00-0150)</b>		
07 62 19 00-0152 LF Up To 5" Girth, 26 Gauge, Galvanized Steel Drip Edge .....	3.40	0.52
07 62 19 00-0153 LF >5" To 7" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	4.20	0.52

**07 Thermal And Moisture Protection****07 60 Flashing And Sheet Metal****07 62 Sheet Metal Flashing And Trim**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0154 LF >7" To 9" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	4.77	0.52
07 62 19 00-0155 LF >9" To 12" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	5.74	0.52
07 62 19 00-0156 LF >12" To 15" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	7.30	0.52
<b>07 62 19 00-0157 24 Gauge, Galvanized Steel Drip Edge (07 62 19 00-0150)</b>		
07 62 19 00-0158 LF Up To 5" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	3.75	0.52
07 62 19 00-0159 LF >5" To 7" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	4.67	0.52
07 62 19 00-0160 LF >7" To 9" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	5.33	0.52
07 62 19 00-0161 LF >9" To 12" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	6.45	0.52
07 62 19 00-0162 LF >12" To 15" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	8.23	0.52
<b>07 62 19 00-0163 KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 19 00-0149)</b>		
<b>07 62 19 00-0164 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 19 00-0163)</b>		
07 62 19 00-0165 LF Up To 5" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	4.45	0.52
07 62 19 00-0166 LF >5" To 7" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	5.61	0.52
07 62 19 00-0167 LF >7" To 9" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	6.44	0.52
07 62 19 00-0168 LF >9" To 12" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	7.85	0.52
07 62 19 00-0169 LF >12" To 15" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	10.11	0.52
<b>07 62 19 00-0170 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 19 00-0163)</b>		
07 62 19 00-0171 LF Up To 5" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	4.96	0.52
07 62 19 00-0172 LF >5" To 7" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	6.30	0.52
07 62 19 00-0173 LF >7" To 9" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	7.25	0.52
07 62 19 00-0174 LF >9" To 12" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	8.86	0.52
07 62 19 00-0175 LF >12" To 15" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	11.47	0.52
<b>07 62 19 00-0176 Stainless Steel Drip Edge (07 62 19)</b>		
Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
<b>07 62 19 00-0177 26 Gauge, Stainless Steel Drip Edge (07 62 19 00-0176)</b>		
07 62 19 00-0178 LF Up To 5" Girth, 26 Gauge, Stainless Steel Drip Edge.....	4.17	0.52
07 62 19 00-0179 LF >5" To 7" Girth, 26 Gauge, Stainless Steel Drip Edge.....	5.20	0.52
07 62 19 00-0180 LF >7" To 9" Girth, 26 Gauge, Stainless Steel Drip Edge.....	5.98	0.52
07 62 19 00-0181 LF >9" To 12" Girth, 26 Gauge, Stainless Steel Drip Edge.....	7.28	0.52
07 62 19 00-0182 LF >12" To 15" Girth, 26 Gauge, Stainless Steel Drip Edge.....	9.35	0.52
<b>07 62 19 00-0183 24 Gauge, Stainless Steel Drip Edge (07 62 19 00-0176)</b>		
07 62 19 00-0184 LF Up To 5" Girth, 24 Gauge, Stainless Steel Drip Edge.....	5.15	0.52
07 62 19 00-0185 LF >5" To 7" Girth, 24 Gauge, Stainless Steel Drip Edge.....	6.51	0.52
07 62 19 00-0186 LF >7" To 9" Girth, 24 Gauge, Stainless Steel Drip Edge.....	7.54	0.52
07 62 19 00-0187 LF >9" To 12" Girth, 24 Gauge, Stainless Steel Drip Edge.....	9.23	0.52
07 62 19 00-0188 LF >12" To 15" Girth, 24 Gauge, Stainless Steel Drip Edge.....	11.96	0.52
<b>07 62 19 00-0189 22 Gauge, Stainless Steel Drip Edge (07 62 19 00-0176)</b>		
07 62 19 00-0190 LF Up To 5" Girth, 22 Gauge, Stainless Steel Drip Edge.....	6.30	0.52
07 62 19 00-0191 LF >5" To 7" Girth, 22 Gauge, Stainless Steel Drip Edge.....	8.04	0.52
07 62 19 00-0192 LF >7" To 9" Girth, 22 Gauge, Stainless Steel Drip Edge.....	9.36	0.52
07 62 19 00-0193 LF >9" To 12" Girth, 22 Gauge, Stainless Steel Drip Edge.....	11.54	0.52
07 62 19 00-0194 LF >12" To 15" Girth, 22 Gauge, Stainless Steel Drip Edge.....	15.03	0.52
<b>07 63 Sheet Metal Roofing Specialties (07 60)</b>		
<b>07 63 00 00-0001 Pitch Pockets (07 63)</b>		
Note: Cut into deck, filled with non-shrink grout, includes blocking.		
<b>07 63 00 00-0002 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pockets (07 63 00 00-0001)</b>		
07 63 00 00-0003 EA 4" x 4" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	51.98	
For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	11.03	
For Pourable Sealer Filled, Add	22.05	
07 63 00 00-0004 EA 6" x 6" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	62.86	
For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	24.89	
For Pourable Sealer Filled, Add	49.65	
07 63 00 00-0005 EA 8" x 8" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	76.75	
For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	44.01	
For Pourable Sealer Filled, Add	88.21	
07 63 00 00-0006 EA 8" x 10" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	84.31	
For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	55.31	
For Pourable Sealer Filled, Add	110.27	
07 63 00 00-0007 EA 8" x 12" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	91.49	
For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	66.17	
For Pourable Sealer Filled, Add	132.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 63 00 00-0008 SF 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... <i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i> <i>For Pourable Sealer Filled, Add</i>	107.73 98.63 198.48	
<b>07 63 00 00-0009 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pockets</b> <small>(07 63 00 00-0001)</small>		
07 63 00 00-0010 EA 4" x 4" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... <i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i> <i>For Pourable Sealer Filled, Add</i>	67.81 11.03 22.05	
07 63 00 00-0011 EA 6" x 6" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... <i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i> <i>For Pourable Sealer Filled, Add</i>	81.09 24.89 49.65	
07 63 00 00-0012 EA 8" x 8" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... <i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i> <i>For Pourable Sealer Filled, Add</i>	98.39 44.01 88.21	
07 63 00 00-0013 EA 8" x 10" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... <i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i> <i>For Pourable Sealer Filled, Add</i>	108.52 55.31 110.27	
07 63 00 00-0014 EA 8" x 12" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... <i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i> <i>For Pourable Sealer Filled, Add</i>	116.57 66.17 132.32	
07 63 00 00-0015 SF 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... <i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i> <i>For Pourable Sealer Filled, Add</i>	134.63 98.63 198.48	
<b>07 63 00 00-0016 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pockets</b> <small>(07 63 00 00-0001)</small>		
07 63 00 00-0017 EA 4" x 4" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... <i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i> <i>For Pourable Sealer Filled, Add</i>	62.96 11.03 22.05	
07 63 00 00-0018 EA 6" x 6" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... <i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i> <i>For Pourable Sealer Filled, Add</i>	75.10 24.89 49.65	
07 63 00 00-0019 EA 8" x 8" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... <i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i> <i>For Pourable Sealer Filled, Add</i>	87.07 44.01 88.21	
07 63 00 00-0020 EA 8" x 10" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... <i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i> <i>For Pourable Sealer Filled, Add</i>	94.24 55.31 110.27	
07 63 00 00-0021 EA 8" x 12" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... <i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i> <i>For Pourable Sealer Filled, Add</i>	100.94 66.17 132.32	
07 63 00 00-0022 SF 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket..... <i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i> <i>For Pourable Sealer Filled, Add</i>	116.11 98.63 198.48	
<b>07 63 00 00-0023 Clean, Repair And Refill Existing Pitch Pockets With Non-Shrink Grout</b> <small>(07 63 00 00-0001)</small>		
Note: Includes removing existing filler and refilling with non-shrink grout.		
07 63 00 00-0024 EA Clean, Repair And Refill Existing 4" x 4" Pitch Pocket With Non-Shrink Grout..... <i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i> <i>For Pourable Sealer Filled, Add</i>	35.84 11.03 22.05	
07 63 00 00-0025 EA Clean, Repair And Refill Existing 6" x 6" Pitch Pocket With Non-Shrink Grout..... <i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i> <i>For Pourable Sealer Filled, Add</i>	42.10 24.89 49.65	
07 63 00 00-0026 EA Clean, Repair And Refill Existing 8" x 8" Pitch Pocket With Non-Shrink Grout..... <i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i> <i>For Pourable Sealer Filled, Add</i>	50.53 44.01 88.21	
07 63 00 00-0027 EA Clean, Repair And Refill Existing 8" x 10" Pitch Pocket With Non-Shrink Grout..... <i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i> <i>For Pourable Sealer Filled, Add</i>	55.77 55.31 110.27	
07 63 00 00-0028 EA Clean, Repair And Refill Existing 8" x 12" Pitch Pocket With Non-Shrink Grout..... <i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i> <i>For Pourable Sealer Filled, Add</i>	61.02 66.17 132.32	
07 63 00 00-0029 SF Clean, Repair And Refill Existing Pitch Pocket With Non-Shrink Grout..... <i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i> <i>For Pourable Sealer Filled, Add</i>	74.65 98.63 198.48	
<b>07 63 00 00-0030 Lead Pipe Flashing For Roofs</b> <small>(07 63)</small>		
Note: Includes 6" skirt base.		
07 63 00 00-0031 EA 1-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3/4" Pipe.....	63.55	18.62
07 63 00 00-0032 EA 1-1/2" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 1" Pipe.....	63.55	18.62
07 63 00 00-0033 EA 2-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 2" Pipe.....	78.30	18.62
07 63 00 00-0034 EA 3-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3" Pipe.....	86.73	18.62
07 63 00 00-0035 EA 4-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3-1/2" Pipe.....	90.94	18.62
07 63 00 00-0036 EA 4-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 4" Pipe.....	93.05	18.62
07 63 00 00-0037 EA 6-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 6" Pipe.....	114.12	18.62
07 63 00 00-0038 EA 8-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 8" Pipe.....	123.60	18.62



**07 Thermal And Moisture Protection****07 60 Flashing And Sheet Metal****07 63 Sheet Metal Roofing Specialties**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 63 00 00-0039 Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing <sup>(07 63)</sup>			
07 63 00 00-0040	EA	2" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing .....	40.31 12.03
07 63 00 00-0041	EA	3" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing .....	40.58 12.03
07 63 00 00-0042	EA	4" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing .....	41.54 12.03
07 63 00 00-0043	EA	6" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing .....	46.34 12.03

**07 65 Flexible Flashing <sup>(07 60)</sup>****07 65 16 Modified Bituminous Sheet Flashing <sup>(07 65)</sup>**

07 65 16 00-0001 Liquid Flashing System For Modified And BUR Systems <sup>(07 65 16)</sup>			
See CSI section 07 51 13 00-0036 for ceramic coated roofing granules.			
07 65 16 00-0002	SF	60 Mil, Urethane Elastomer Liquid Applied Flashing..... Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 30 mil second coat.	6.48 1.01

**07 65 19 Plastic Sheet Flashing <sup>(07 65)</sup>**

07 65 19 00-0001 Plastic Flashing And Trim <sup>(07 65 19)</sup>			
07 65 19 00-0002 Neoprene Flashing <sup>(07 65 19 00-0001)</sup>			
07 65 19 00-0003 60 Mil Thick <sup>(07 65 19 00-0002)</sup>			
07 65 19 00-0004	LF	6" Wide Strip, 60 Mil, Neoprene Flashing .....	4.78 1.43
07 65 19 00-0005	LF	12" Wide Strip, 60 Mil, Neoprene Flashing .....	6.55 1.53
07 65 19 00-0006	LF	18" Wide Strip, 60 Mil, Neoprene Flashing .....	8.49 1.69
07 65 19 00-0007	LF	24" Wide Strip, 60 Mil, Neoprene Flashing .....	10.52 1.90

**07 65 33 Flexible Roof Boot <sup>(07 65)</sup>**

07 65 33 00-0001 Neoprene Roof Boot <sup>(07 65 33)</sup>			
07 65 33 00-0002	EA	Neoprene Roof Boot For 2" Diameter Pipe.....	24.30 4.38
07 65 33 00-0003	EA	Neoprene Roof Boot For 3" Diameter Pipe.....	28.97 4.91
07 65 33 00-0004	EA	Neoprene Roof Boot For 4" Diameter Pipe.....	32.49 5.27

**07 70 Roof And Wall Specialties And Accessories <sup>(07)</sup>****07 71 Roof Specialties <sup>(07 70)</sup>****07 71 13 Manufactured Copings <sup>(07 71)</sup>**

07 71 13 00-0001 Galvanized Steel Copings <sup>(07 71 13)</sup>			
07 71 13 00-0002 KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats <sup>(07 71 13 00-0001)</sup>			
Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.			
07 71 13 00-0003	LF	10" To 14" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats .....	18.80 1.14
07 71 13 00-0004	LF	>14" To 16" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats .....	19.82 1.24
07 71 13 00-0005	LF	>16" To 22" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats .....	22.63 1.30
07 71 13 00-0006	LF	>22" To 30" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats .....	26.32 1.43
07 71 13 00-0007	LF	>30" To 42" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats .....	31.88 1.49
07 71 13 00-0008 Aluminum Copings <sup>(07 71 13)</sup>			
07 71 13 00-0009 Mill Finish, Aluminum Coping System With Galvanized Steel Cleats <sup>(07 71 13 00-0008)</sup>			
Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.			
07 71 13 00-0010 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats <sup>(07 71 13 00-0009)</sup>			
07 71 13 00-0011	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	14.86 1.14
07 71 13 00-0012	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	15.85 1.24
07 71 13 00-0013	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	18.52 1.30
07 71 13 00-0014	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	22.14 1.43
07 71 13 00-0015	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	27.60 1.49
07 71 13 00-0016 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats <sup>(07 71 13 00-0009)</sup>			
07 71 13 00-0017	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	16.15 1.14
07 71 13 00-0018	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	17.23 1.24



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0019 LF >16" To 22" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats.....	20.15	1.30
07 71 13 00-0020 LF >22" To 30" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats.....	24.12	1.43
07 71 13 00-0021 LF >30" To 42" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats.....	30.11	1.49
<b>07 71 13 00-0022 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats</b> (07 71 13 00-0009)		
07 71 13 00-0023 LF 10" To 14" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats.....	17.22	1.14
07 71 13 00-0024 LF >14" To 16" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats.....	18.46	1.24
07 71 13 00-0025 LF >16" To 22" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats.....	22.19	1.30
07 71 13 00-0026 LF >22" To 30" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats.....	27.77	1.43
07 71 13 00-0027 LF >30" To 42" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats.....	36.01	1.49
<b>07 71 13 00-0028 KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats</b> (07 71 13 00-0008)		
Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
<b>07 71 13 00-0029 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats</b> (07 71 13 00-0028)		
07 71 13 00-0030 LF 10" To 14" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats.....	20.69	1.14
07 71 13 00-0031 LF >14" To 16" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats.....	22.06	1.24
07 71 13 00-0032 LF >16" To 22" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats.....	25.88	1.30
07 71 13 00-0033 LF >22" To 30" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats.....	31.04	1.43
07 71 13 00-0034 LF >30" To 42" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats.....	38.90	1.49
<b>07 71 13 00-0035 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats</b> (07 71 13 00-0028)		
07 71 13 00-0036 LF 10" To 14" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats.....	22.57	1.14
07 71 13 00-0037 LF >14" To 16" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats.....	24.06	1.24
07 71 13 00-0038 LF >16" To 22" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats.....	28.25	1.30
07 71 13 00-0039 LF >22" To 30" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats.....	33.91	1.43
07 71 13 00-0040 LF >30" To 42" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats.....	42.55	1.49
<b>07 71 13 00-0041 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats</b> (07 71 13 00-0028)		
07 71 13 00-0042 LF 10" To 14" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats.....	24.11	1.14
07 71 13 00-0043 LF >14" To 16" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats.....	25.84	1.24
07 71 13 00-0044 LF >16" To 22" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats.....	31.20	1.30
07 71 13 00-0045 LF >22" To 30" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats.....	39.20	1.43
07 71 13 00-0046 LF >30" To 42" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats.....	51.10	1.49
<b>07 71 13 00-0047 Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats</b> (07 71 13 00-0008)		
Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
<b>07 71 13 00-0048 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats</b> (07 71 13 00-0047)		
07 71 13 00-0049 LF 10" To 14" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	21.81	1.14
07 71 13 00-0050 LF >14" To 16" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	23.26	1.24
07 71 13 00-0051 LF >16" To 22" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	27.30	1.30
07 71 13 00-0052 LF >22" To 30" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	32.76	1.43
07 71 13 00-0053 LF >30" To 42" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	41.09	1.49

<b>07</b>	<b>Thermal And Moisture Protection</b>
<b>07 70</b>	<b>Roof And Wall Specialties And Accessories</b>
<b>07 71</b>	<b>Roof Specialties</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0054			<b>0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats</b> (07 71 13 00-0047)		
07 71 13 00-0055	LF		10" To 14" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	23.81	1.14
07 71 13 00-0056	LF		>14" To 16" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	25.38	1.24
07 71 13 00-0057	LF		>16" To 22" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	29.82	1.30
07 71 13 00-0058	LF		>22" To 30" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	35.80	1.43
07 71 13 00-0059	LF		>30" To 42" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	44.95	1.49
07 71 13 00-0060			<b>0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats</b> (07 71 13 00-0047)		
07 71 13 00-0061	LF		10" To 14" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	25.44	1.14
07 71 13 00-0062	LF		>14" To 16" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	27.27	1.24
07 71 13 00-0063	LF		>16" To 22" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	32.94	1.30
07 71 13 00-0064	LF		>22" To 30" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	41.40	1.43
07 71 13 00-0065	LF		>30" To 42" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats.....	54.02	1.49
07 71 13 00-0066			<b>Remove And Reinstall Metal Coping</b> (07 71 13)		
07 71 13 00-0067	LF		Removal And Reinstallation Of Metal Coping.....	4.87	
<b>07 71 19</b>			<b>Manufactured Gravel Stops And Fasciae</b> (07 71)		
07 71 19 00-0001			<b>Gravel Stop</b> (07 71 19)		
07 71 19 00-0002			<b>Aluminum Gravel Stop</b> (07 71 19 00-0001)		
07 71 19 00-0003			<b>Aluminum Gravel Stop</b> (07 71 19 00-0002)		
07 71 19 00-0004			<b>KYNAR 500® Finish, Aluminum Gravel Stop</b> (07 71 19 00-0003)		
07 71 19 00-0005			<b>0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop</b> (07 71 19 00-0004)		
07 71 19 00-0006	LF		4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	11.19	0.95
07 71 19 00-0007	LF		>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	11.32	0.99
07 71 19 00-0008	LF		>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	11.51	1.02
07 71 19 00-0009			<b>0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop</b> (07 71 19 00-0004)		
07 71 19 00-0010	LF		4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	11.87	0.95
07 71 19 00-0011	LF		>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	12.04	0.99
07 71 19 00-0012	LF		>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	12.26	1.02
07 71 19 00-0013			<b>0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop</b> (07 71 19 00-0004)		
07 71 19 00-0014	LF		4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	12.76	0.95
07 71 19 00-0015	LF		>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	12.89	0.99
07 71 19 00-0016	LF		>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	13.21	1.02
07 71 19 00-0017			<b>0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop</b> (07 71 19 00-0004)		
07 71 19 00-0018	LF		4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	13.37	0.95
07 71 19 00-0019	LF		>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	13.52	0.99
07 71 19 00-0020	LF		>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	13.87	1.02
07 71 19 00-0021			<b>Mill Finish, Aluminum Gravel Stop</b> (07 71 19 00-0003)		
07 71 19 00-0022			<b>0.032" Thick, Mill Finish, Aluminum Gravel Stop</b> (07 71 19 00-0021)		
07 71 19 00-0023	LF		4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop.....	7.40	0.95
07 71 19 00-0024	LF		>6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop.....	7.72	0.99
07 71 19 00-0025	LF		>10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop.....	8.09	1.02
07 71 19 00-0026			<b>0.040" Thick, Mill Finish, Aluminum Gravel Stop</b> (07 71 19 00-0021)		
07 71 19 00-0027	LF		4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop.....	7.97	0.95
07 71 19 00-0028	LF		>6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop.....	8.22	0.99
07 71 19 00-0029	LF		>10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop.....	8.47	1.02
07 71 19 00-0030			<b>0.050" Thick, Mill Finish, Aluminum Gravel Stop</b> (07 71 19 00-0021)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0031 LF 4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop .....	8.54	0.95
07 71 19 00-0032 LF >6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop .....	8.79	0.99
07 71 19 00-0033 LF >10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop .....	9.08	1.02
<b>07 71 19 00-0034 0.063" Thick, Mill Finish, Aluminum Gravel Stop</b> <small>(07 71 19 00-0021)</small>		
07 71 19 00-0035 LF 4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop .....	9.15	0.95
07 71 19 00-0036 LF >6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop .....	9.36	0.99
07 71 19 00-0037 LF >10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop .....	9.54	1.02
<b>07 71 19 00-0038 Clear Anodized Finish, Aluminum Gravel Stop</b> <small>(07 71 19 00-0003)</small>		
<b>07 71 19 00-0039 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop</b> <small>(07 71 19 00-0038)</small>		
07 71 19 00-0040 LF 4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	13.29	0.95
07 71 19 00-0041 LF >6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	13.52	0.99
07 71 19 00-0042 LF >10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	13.73	1.02
<b>07 71 19 00-0043 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop</b> <small>(07 71 19 00-0038)</small>		
07 71 19 00-0044 LF 4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	14.12	0.95
07 71 19 00-0045 LF >6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	14.38	0.99
07 71 19 00-0046 LF >10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	14.63	1.02
<b>07 71 19 00-0047 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop</b> <small>(07 71 19 00-0038)</small>		
07 71 19 00-0048 LF 4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	15.18	0.95
07 71 19 00-0049 LF >6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	15.40	0.99
07 71 19 00-0050 LF >10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	15.58	1.02
<b>07 71 19 00-0051 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop</b> <small>(07 71 19 00-0038)</small>		
07 71 19 00-0052 LF 4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	15.91	0.95
07 71 19 00-0053 LF >6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	16.15	0.99
07 71 19 00-0054 LF >10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	16.36	1.02
<b>07 71 19 00-0055 Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0002)</small> Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
<b>07 71 19 00-0056 KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0055)</small>		
<b>07 71 19 00-0057 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0056)</small>		
07 71 19 00-0058 LF 4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	13.69	1.58
07 71 19 00-0059 LF >6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	14.25	1.64
07 71 19 00-0060 LF >10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	14.95	1.69
<b>07 71 19 00-0061 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0056)</small>		
07 71 19 00-0062 LF 4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	14.38	1.58
07 71 19 00-0063 LF >6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	14.96	1.64
07 71 19 00-0064 LF >10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	15.70	1.69
<b>07 71 19 00-0065 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0056)</small>		
07 71 19 00-0066 LF 4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	15.27	1.58
07 71 19 00-0067 LF >6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	15.81	1.64
07 71 19 00-0068 LF >10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	16.65	1.69
<b>07 71 19 00-0069 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0056)</small>		
07 71 19 00-0070 LF 4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	15.87	1.58
07 71 19 00-0071 LF >6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	16.44	1.64
07 71 19 00-0072 LF >10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	17.32	1.69



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0073			Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0055)		
07 71 19 00-0074			0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0073)		
07 71 19 00-0075	LF		4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	10.43	1.58
07 71 19 00-0076	LF		>6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	10.84	1.64
07 71 19 00-0077	LF		>10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	11.39	1.69
07 71 19 00-0078			0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0073)		
07 71 19 00-0079	LF		4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	10.90	1.58
07 71 19 00-0080	LF		>6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	11.33	1.64
07 71 19 00-0081	LF		>10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	11.91	1.69
07 71 19 00-0082			0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0073)		
07 71 19 00-0083	LF		4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	11.51	1.58
07 71 19 00-0084	LF		>6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	11.92	1.64
07 71 19 00-0085	LF		>10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	12.53	1.69
07 71 19 00-0086			0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0073)		
07 71 19 00-0087	LF		4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	11.93	1.58
07 71 19 00-0088	LF		>6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	12.35	1.64
07 71 19 00-0089	LF		>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	12.99	1.69
07 71 19 00-0090			Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0055)		
07 71 19 00-0091			0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)		
07 71 19 00-0092	LF		4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	15.80	1.58
07 71 19 00-0093	LF		>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	16.44	1.64
07 71 19 00-0094	LF		>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	17.18	1.69
07 71 19 00-0095			0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)		
07 71 19 00-0096	LF		4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	16.62	1.58
07 71 19 00-0097	LF		>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	17.30	1.64
07 71 19 00-0098	LF		>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	18.08	1.69
07 71 19 00-0099			0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)		
07 71 19 00-0100	LF		4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	17.69	1.58
07 71 19 00-0101	LF		>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	18.32	1.64
07 71 19 00-0102	LF		>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	19.02	1.69
07 71 19 00-0103			0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat (07 71 19 00-0090)		
07 71 19 00-0104	LF		4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	18.41	1.58
07 71 19 00-0105	LF		>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	19.07	1.64
07 71 19 00-0106	LF		>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	19.81	1.69
07 71 19 00-0107			Stainless Steel Gravel Stop (07 71 19 00-0001)		
07 71 19 00-0108			Stainless Steel Gravel Stop (07 71 19 00-0107)		
07 71 19 00-0109			26 Gauge, Stainless Steel Gravel Stop (07 71 19 00-0108)		
07 71 19 00-0110	LF		4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop.....	8.25	0.95
07 71 19 00-0111	LF		>6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop.....	10.46	0.99
07 71 19 00-0112	LF		>10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop.....	15.11	1.02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>07 71 19 00-0113</b> <b>24 Gauge, Stainless Steel Gravel Stop</b> <small>(07 71 19 00-0108)</small>		
07 71 19 00-0114    LF    4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop.....	10.09	0.95
07 71 19 00-0115    LF    >6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop .....	12.92	0.99
07 71 19 00-0116    LF    >10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop .....	18.79	1.02
<b>07 71 19 00-0117</b> <b>22 Gauge, Stainless Steel Gravel Stop</b> <small>(07 71 19 00-0108)</small>		
07 71 19 00-0118    LF    4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop.....	12.05	0.95
07 71 19 00-0119    LF    >6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop .....	15.53	0.99
07 71 19 00-0120    LF    >10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop .....	22.70	1.02
<b>07 71 19 00-0121</b> <b>Stainless Steel Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0107)</small>		
Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
<b>07 71 19 00-0122</b> <b>26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0121)</small>		
07 71 19 00-0123    LF    4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat .....	10.77	1.58
07 71 19 00-0124    LF    >6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat .....	13.40	1.64
07 71 19 00-0125    LF    >10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat .....	18.58	1.69
<b>07 71 19 00-0126</b> <b>24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0121)</small>		
07 71 19 00-0127    LF    4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat .....	12.61	1.58
07 71 19 00-0128    LF    >6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat .....	15.86	1.64
07 71 19 00-0129    LF    >10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat .....	22.26	1.69
<b>07 71 19 00-0130</b> <b>22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0121)</small>		
07 71 19 00-0131    LF    4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat .....	14.57	1.58
07 71 19 00-0132    LF    >6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat .....	18.47	1.64
07 71 19 00-0133    LF    >10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat .....	26.18	1.69
<b>07 71 19 00-0134</b> <b>Galvanized Steel Gravel Stop</b> <small>(07 71 19 00-0001)</small>		
<b>07 71 19 00-0135</b> <b>Galvanized Steel Gravel Stop</b> <small>(07 71 19 00-0134)</small>		
<b>07 71 19 00-0136</b> <b>KYNAR 500® Finish, Galvanized Steel Gravel Stop</b> <small>(07 71 19 00-0135)</small>		
<b>07 71 19 00-0137</b> <b>24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop</b> <small>(07 71 19 00-0136)</small>		
07 71 19 00-0138    LF    4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop.....	12.25	0.95
07 71 19 00-0139    LF    >6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop .....	12.38	0.99
07 71 19 00-0140    LF    >10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop.....	12.65	1.02
<b>07 71 19 00-0141</b> <b>Galvanized Steel Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0134)</small>		
Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
<b>07 71 19 00-0142</b> <b>KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0141)</small>		
<b>07 71 19 00-0143</b> <b>24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0142)</small>		
07 71 19 00-0144    LF    4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat .....	15.09	1.58
07 71 19 00-0145    LF    >6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat .....	15.74	1.64
07 71 19 00-0146    LF    >10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat .....	16.66	1.69
<b>07 71 19 00-0147</b> <b>Copper Gravel Stop</b> <small>(07 71 19 00-0001)</small>		
<b>07 71 19 00-0148</b> <b>Copper Gravel Stop</b> <small>(07 71 19 00-0147)</small>		
<b>07 71 19 00-0149</b> <b>20 Ounce, Copper Gravel Stop</b> <small>(07 71 19 00-0148)</small>		
07 71 19 00-0150    LF    4" To 6" Face Height, 20 Ounce, Copper Gravel Stop.....	36.16	0.95
07 71 19 00-0151    LF    >6" To 10" Face Height, 20 Ounce, Copper Gravel Stop.....	41.06	0.99
07 71 19 00-0152    LF    >10" To 18" Face Height, 20 Ounce, Copper Gravel Stop.....	47.28	1.02
<b>07 71 19 00-0153</b> <b>16 Ounce, Copper Gravel Stop</b> <small>(07 71 19 00-0148)</small>		
07 71 19 00-0154    LF    4" To 6" Face Height, 16 Ounce, Copper Gravel Stop.....	44.29	0.95
07 71 19 00-0155    LF    >6" To 10" Face Height, 16 Ounce, Copper Gravel Stop.....	50.99	0.99
07 71 19 00-0156    LF    >10" To 18" Face Height, 16 Ounce, Copper Gravel Stop.....	58.11	1.02
<b>07 71 19 00-0157</b> <b>Copper Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0147)</small>		
Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		

<b>07</b>	<b>Thermal And Moisture Protection</b>
<b>07 70</b>	<b>Roof And Wall Specialties And Accessories</b>
<b>07 71</b>	<b>Roof Specialties</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0158			<b>20 Ounce, Copper Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0157)</small>		
07 71 19 00-0159	LF		4" To 6" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat .....	38.60	1.58
07 71 19 00-0160	LF		>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat .....	43.90	1.64
07 71 19 00-0161	LF		>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat .....	50.62	1.69
07 71 19 00-0162			<b>16 Ounce, Copper Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0157)</small>		
07 71 19 00-0163	LF		4" To 6" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat .....	46.73	1.58
07 71 19 00-0164	LF		>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat .....	53.84	1.64
07 71 19 00-0165	LF		>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat .....	61.46	1.69
07 71 19 00-0166			<b>Fascia</b> <small>(07 71 19)</small>		
07 71 19 00-0167			<b>Snap-On Cover Fascia</b> <small>(07 71 19 00-0166)</small> Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0168			<b>Galvanized Steel Snap-On Cover Fascia</b> <small>(07 71 19 00-0167)</small>		
07 71 19 00-0169			<b>KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia</b> <small>(07 71 19 00-0168)</small>		
07 71 19 00-0170			<b>24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia</b> <small>(07 71 19 00-0169)</small>		
07 71 19 00-0171	LF		3" To 5" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat .....	15.74	1.32
07 71 19 00-0172	LF		>5" To 7" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat .....	17.65	1.37
07 71 19 00-0173	LF		>7" To 9" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat .....	18.88	1.43
07 71 19 00-0174			<b>Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems</b> <small>(07 71 19 00-0169)</small>		
07 71 19 00-0175			<b>Fascia Sumps For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems</b> <small>(07 71 19 00-0174)</small>		
07 71 19 00-0176	EA		Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems .....	106.03	1.84
07 71 19 00-0177	EA		Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems .....	113.19	1.84
07 71 19 00-0178	EA		Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems .....	117.69	1.84
07 71 19 00-0179			<b>Fascia Spillout Scuppers For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems</b> <small>(07 71 19 00-0174)</small>		
07 71 19 00-0180	EA		Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems .....	86.53	1.84
07 71 19 00-0181	EA		Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems .....	90.15	1.84
07 71 19 00-0182	EA		Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems .....	92.35	1.84
07 71 19 00-0183			<b>Aluminum Snap-On Cover Fascia</b> <small>(07 71 19 00-0167)</small>		
07 71 19 00-0184			<b>KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat</b> <small>(07 71 19 00-0183)</small>		
07 71 19 00-0185			<b>0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat</b> <small>(07 71 19 00-0184)</small>		
07 71 19 00-0186	LF		3" To 5" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat .....	14.06	1.32
07 71 19 00-0187	LF		>5" To 7" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat .....	15.98	1.37
07 71 19 00-0188	LF		>7" To 9" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat .....	16.96	1.43
07 71 19 00-0189			<b>0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat</b> <small>(07 71 19 00-0184)</small>		
07 71 19 00-0190	LF		3" To 5" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat .....	14.81	1.32
07 71 19 00-0191	LF		>5" To 7" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat .....	16.94	1.37
07 71 19 00-0192	LF		>7" To 9" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat .....	18.04	1.43
07 71 19 00-0193			<b>Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems</b> <small>(07 71 19 00-0184)</small>		
07 71 19 00-0194			<b>Fascia Sumps For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems</b> <small>(07 71 19 00-0193)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0195 EA Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems .....	94.60	1.84
07 71 19 00-0196 EA Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems .....	102.67	1.84
07 71 19 00-0197 EA Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems .....	106.20	1.84
<b>07 71 19 00-0198 Fascia Spillout Scuppers For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems</b> (07 71 19 00-0193)		
07 71 19 00-0199 EA Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	74.69	1.84
07 71 19 00-0200 EA Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	78.71	1.84
07 71 19 00-0201 EA Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	80.47	1.84
<b>07 71 19 00-0202 Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat</b> (07 71 19 00-0183)		
<b>07 71 19 00-0203 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat</b> (07 71 19 00-0202)		
07 71 19 00-0204 LF 3" To 5" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	16.35	1.32
07 71 19 00-0205 LF >5" To 7" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	18.62	1.37
07 71 19 00-0206 LF >7" To 9" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	19.78	1.43
<b>07 71 19 00-0207 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat</b> (07 71 19 00-0202)		
07 71 19 00-0208 LF 3" To 5" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	17.24	1.32
07 71 19 00-0209 LF >5" To 7" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	19.77	1.37
07 71 19 00-0210 LF >7" To 9" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	21.08	1.43
<b>07 71 19 00-0211 Accessories For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems</b> (07 71 19 00-0202)		
<b>07 71 19 00-0212 Fascia Sumps For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems</b> (07 71 19 00-0211)		
07 71 19 00-0213 EA Fascia Sump For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	117.32	1.84
07 71 19 00-0214 EA Fascia Sump For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	127.41	1.84
07 71 19 00-0215 EA Fascia Sump For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	131.83	1.84
<b>07 71 19 00-0216 Fascia Spillout Scuppers For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems</b> (07 71 19 00-0211)		
07 71 19 00-0217 EA Fascia Spillout Scupper For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	92.44	1.84
07 71 19 00-0218 EA Fascia Spillout Scupper For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	97.47	1.84
07 71 19 00-0219 EA Fascia Spillout Scupper For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	99.67	1.84
<b>07 71 23 Manufactured Gutters And Downspouts</b> (07 71)		
Note: Includes all necessary support straps.		
<b>07 71 23 00-0001 Aluminum Gutters And Downspouts</b> (07 71 23)		
<b>07 71 23 00-0002 Aluminum Gutters</b> (07 71 23 00-0001)		
Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
<b>07 71 23 00-0003 K-Style Aluminum Gutters</b> (07 71 23 00-0002)		
07 71 23 00-0004 LF 5", 0.027" Thick, K-Style Aluminum Gutter .....	4.82	1.75
For Kynar 500® Finish, Add		0.86
07 71 23 00-0005 LF 6", 0.027" Thick, K-Style Aluminum Gutter .....	5.34	1.75
For Kynar 500® Finish, Add		1.09
07 71 23 00-0006 LF 5", 0.032" Thick, K-Style Aluminum Gutter .....	5.09	1.75
For Kynar 500® Finish, Add		0.98
07 71 23 00-0007 LF 6", 0.032" Thick, K-Style Aluminum Gutter .....	5.69	1.75
For Kynar 500® Finish, Add		1.25
07 71 23 00-0008 LF 7", 0.032" Thick, K-Style Aluminum Gutter .....	11.87	1.75
For Kynar 500® Finish, Add		4.03
07 71 23 00-0009 LF 8", 0.032" Thick, K-Style Aluminum Gutter .....	12.71	1.75
For Kynar 500® Finish, Add		4.41
07 71 23 00-0010 LF 8", 0.040" Thick, K-Style Aluminum Gutter .....	14.60	1.75
For Kynar 500® Finish, Add		5.26



<b>07</b>	<b>Thermal And Moisture Protection</b>
<b>07 70</b>	<b>Roof And Wall Specialties And Accessories</b>
<b>07 71</b>	<b>Roof Specialties</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0011			<b>Half Round Aluminum Gutters</b> (07 71 23 00-0002)		
07 71 23 00-0012	LF		5", 0.027" Thick, Half Round Aluminum Gutter ..... <i>For Kynar 500® Finish, Add</i>	10.29 3.32	1.75
07 71 23 00-0013	LF		6", 0.032" Thick, Half Round Aluminum Gutter ..... <i>For Kynar 500® Finish, Add</i>	12.51 4.32	1.75
07 71 23 00-0014			<b>Box Style Aluminum Gutters</b> (07 71 23 00-0002)		
07 71 23 00-0015	LF		6", 0.027" Thick, Box Style Aluminum Gutter ..... <i>For Kynar 500® Finish, Add</i>	9.76 3.08	1.75
07 71 23 00-0016	LF		6", 0.032" Thick, Box Style Aluminum Gutter ..... <i>For Kynar 500® Finish, Add</i>	9.79 3.09	1.75
07 71 23 00-0017	LF		7", 0.032" Thick, Box Style Aluminum Gutter ..... <i>For Kynar 500® Finish, Add</i>	11.48 3.85	1.75
07 71 23 00-0018	LF		8", 0.032" Thick, Box Style Aluminum Gutter ..... <i>For Kynar 500® Finish, Add</i>	13.00 4.54	1.75
07 71 23 00-0019			<b>Aluminum Gutter End Caps</b> (07 71 23 00-0001)		
07 71 23 00-0020			<b>K-Style, Aluminum Gutter End Caps</b> (07 71 23 00-0019)		
07 71 23 00-0021	EA		5", K-Style Aluminum Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	2.06 0.30	
07 71 23 00-0022	EA		6", K-Style Aluminum Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	2.59 0.54	
07 71 23 00-0023	EA		7", K-Style Aluminum Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	5.85 2.00	
07 71 23 00-0024	EA		8", K-Style Aluminum Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	6.85 2.45	
07 71 23 00-0025			<b>Half Round, Aluminum Gutter End Caps</b> (07 71 23 00-0019)		
07 71 23 00-0026	EA		5", Half Round Aluminum Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	3.43 0.91	
07 71 23 00-0027	EA		6", Half Round Aluminum Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	5.41 1.80	
07 71 23 00-0028			<b>Box Style, Aluminum Gutter End Caps</b> (07 71 23 00-0019)		
07 71 23 00-0029	EA		6", Box Style Aluminum Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	6.40 2.25	
07 71 23 00-0030	EA		7", Box Style Aluminum Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	6.97 2.51	
07 71 23 00-0031	EA		8", Box Style Aluminum Gutter End Cap ..... <i>For Kynar 500® Finish, Add</i>	8.22 3.07	
07 71 23 00-0032			<b>Aluminum Gutter Miters</b> (07 71 23 00-0001) Note: Inside or outside miters.		
07 71 23 00-0033			<b>K-Style, Aluminum Gutter Miters</b> (07 71 23 00-0032)		
07 71 23 00-0034	EA		5", K-Style Aluminum Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	7.66 2.34	
07 71 23 00-0035	EA		6", K-Style Aluminum Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	11.47 4.06	
07 71 23 00-0036	EA		7", K-Style Aluminum Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	45.88 19.54	
07 71 23 00-0037	EA		8", K-Style Aluminum Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	49.74 21.28	
07 71 23 00-0038			<b>Half Round, Aluminum Gutter Miters</b> (07 71 23 00-0032)		
07 71 23 00-0039	EA		5", Half Round Aluminum Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	17.23 6.65	
07 71 23 00-0040	EA		6", Half Round Aluminum Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	29.68 12.25	
07 71 23 00-0041			<b>Box Style, Aluminum Gutter Miters</b> (07 71 23 00-0032)		
07 71 23 00-0042	EA		6", Box Style Aluminum Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	36.48 15.31	
07 71 23 00-0043	EA		7", Box Style Aluminum Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	56.74 24.43	
07 71 23 00-0044	EA		8", Box Style Aluminum Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	61.56 26.60	
07 71 23 00-0045			<b>Aluminum Gutter Wire Strainers</b> (07 71 23 00-0001)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0046 EA 3" Diameter, Round Aluminum Wire Strainer..... <i>For Kynar 500® Finish, Add</i> <i>For 0.024" Thick, Add</i> <i>For 0.027" Thick, Add</i> <i>For 0.031" Thick, Add</i>	8.84 2.34 0.73 1.51 2.18	1.75
07 71 23 00-0047 EA 4" Diameter, Round Aluminum Wire Strainer..... <i>For Kynar 500® Finish, Add</i> <i>For 0.024" Thick, Add</i> <i>For 0.027" Thick, Add</i> <i>For 0.031" Thick, Add</i>	13.21 4.30 1.34 2.77 4.02	1.75
<b>07 71 23 00-0048 Aluminum Downspouts</b> (07 71 23 00-0001) Note: Includes elbows, hangers and fasteners.		
<b>07 71 23 00-0049 Round Aluminum Downspouts</b> (07 71 23 00-0048)		
07 71 23 00-0050 LF 3" Diameter, 0.019" Thick, Round Aluminum Downspout..... <i>For Kynar 500® Finish, Add</i> <i>For 0.024" Thick, Add</i> <i>For 0.027" Thick, Add</i> <i>For 0.031" Thick, Add</i>	4.42 1.17 0.36 0.75 1.09	1.68
07 71 23 00-0051 LF 4" Diameter, 0.019" Thick, Round Aluminum Downspout..... <i>For Kynar 500® Finish, Add</i> <i>For 0.024" Thick, Add</i> <i>For 0.027" Thick, Add</i> <i>For 0.031" Thick, Add</i>	5.03 1.44 0.45 0.93 1.35	1.68
<b>07 71 23 00-0052 Rectangular Aluminum Downspouts</b> (07 71 23 00-0048)		
07 71 23 00-0053 LF 2" x 3", 0.019" Thick, Rectangular Aluminum Downspout..... <i>For Kynar 500® Finish, Add</i> <i>For 0.024" Thick, Add</i> <i>For 0.027" Thick, Add</i> <i>For 0.031" Thick, Add</i>	3.15 0.60 0.19 0.39 0.56	1.68
07 71 23 00-0054 LF 3" x 4", 0.019" Thick, Rectangular Aluminum Downspout..... <i>For Kynar 500® Finish, Add</i> <i>For 0.024" Thick, Add</i> <i>For 0.027" Thick, Add</i> <i>For 0.031" Thick, Add</i>	3.93 0.95 0.30 0.61 0.89	1.68
07 71 23 00-0055 LF 4" x 5", 0.019" Thick, Rectangular Aluminum Downspout..... <i>For Kynar 500® Finish, Add</i> <i>For 0.024" Thick, Add</i> <i>For 0.027" Thick, Add</i> <i>For 0.031" Thick, Add</i>	7.19 2.42 0.75 1.56 2.26	1.68
<b>07 71 23 00-0056 Aluminum Devices</b> (07 71 23 00-0001)		
07 71 23 00-0057 EA Thru-Wall Aluminum Scupper Outlet..... <i>For Kynar 500® Finish, Add</i>	126.10 38.94	11.87
07 71 23 00-0058 EA Aluminum Leader/Conductor Head..... <i>For Kynar 500® Finish, Add</i>	139.49 50.90	13.19
<b>07 71 23 00-0059 Copper Gutters And Downspouts</b> (07 71 23)		
<b>07 71 23 00-0060 Copper Gutters</b> (07 71 23 00-0059) Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
<b>07 71 23 00-0061 K-Style Copper Gutters</b> (07 71 23 00-0060)		
07 71 23 00-0062 LF 4", 16 Ounce, K-Style Copper Gutter.....	11.78	1.75
07 71 23 00-0063 LF 5", 16 Ounce, K-Style Copper Gutter.....	17.31	1.75
07 71 23 00-0064 LF 6", 16 Ounce, K-Style Copper Gutter.....	20.85	1.75
07 71 23 00-0065 LF 5", 20 Ounce, K-Style Copper Gutter.....	22.49	1.75
07 71 23 00-0066 LF 6", 20 Ounce, K-Style Copper Gutter.....	28.18	1.75
07 71 23 00-0067 LF 7", 20 Ounce, K-Style Copper Gutter.....	32.83	1.75
07 71 23 00-0068 LF 8", 20 Ounce, K-Style Copper Gutter.....	36.25	1.75
<b>07 71 23 00-0069 Half Round Copper Gutters</b> (07 71 23 00-0060)		
07 71 23 00-0070 LF 5", 16 Ounce, Half Round Copper Gutter.....	14.62	1.75
07 71 23 00-0071 LF 6", 16 Ounce, Half Round Copper Gutter.....	18.84	1.75
07 71 23 00-0072 LF 7", 16 Ounce, Half Round Copper Gutter.....	32.90	1.75
07 71 23 00-0073 LF 5", 20 Ounce, Half Round Copper Gutter.....	17.45	1.75
07 71 23 00-0074 LF 6", 20 Ounce, Half Round Copper Gutter.....	21.84	1.75
07 71 23 00-0075 LF 7", 20 Ounce, Half Round Copper Gutter.....	34.73	1.75
07 71 23 00-0076 LF 8", 20 Ounce, Half Round Copper Gutter.....	39.27	1.75
<b>07 71 23 00-0077 Copper Gutter End Caps</b> (07 71 23 00-0059)		
<b>07 71 23 00-0078 K-Style, Copper Gutter End Caps</b> (07 71 23 00-0077)		
07 71 23 00-0079 EA 4", K-Style Copper Gutter End Cap.....	4.46	
07 71 23 00-0080 EA 5", K-Style Copper Gutter End Cap.....	4.79	
07 71 23 00-0081 EA 6", K-Style Copper Gutter End Cap.....	5.13	

<b>07</b>	<b>Thermal And Moisture Protection</b>
<b>07 70</b>	<b>Roof And Wall Specialties And Accessories</b>
<b>07 71</b>	<b>Roof Specialties</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0082	EA		7", K-Style Copper Gutter End Cap .....	14.17	
07 71 23 00-0083	EA		8", K-Style Copper Gutter End Cap .....	17.34	
<b>07 71 23 00-0084</b>			<b>Half Round, Copper Gutter End Caps (07 71 23 00-0077)</b>		
07 71 23 00-0085	EA		4", Half Round Copper Gutter End Cap .....	5.46	
07 71 23 00-0086	EA		5", Half Round Copper Gutter End Cap .....	6.17	
07 71 23 00-0087	EA		6", Half Round Copper Gutter End Cap .....	9.48	
07 71 23 00-0088	EA		7", Half Round Copper Gutter End Cap .....	29.17	
07 71 23 00-0089	EA		8", Half Round Copper Gutter End Cap .....	34.51	
<b>07 71 23 00-0090</b>			<b>Copper Gutter Miters (07 71 23 00-0059)</b>		
			Note: Inside or outside miters.		
<b>07 71 23 00-0091</b>			<b>K-Style, Copper Gutter Miters (07 71 23 00-0090)</b>		
07 71 23 00-0092	EA		4", K-Style Copper Gutter Miter .....	25.10	
07 71 23 00-0093	EA		5", K-Style Copper Gutter Miter .....	28.58	
07 71 23 00-0094	EA		6", K-Style Copper Gutter Miter .....	43.27	
07 71 23 00-0095	EA		7", K-Style Copper Gutter Miter .....	63.45	
07 71 23 00-0096	EA		8", K-Style Copper Gutter Miter .....	75.03	
<b>07 71 23 00-0097</b>			<b>Half Round, Copper Gutter Miters (07 71 23 00-0090)</b>		
07 71 23 00-0098	EA		4", Half Round Copper Gutter Miter .....	42.36	
07 71 23 00-0099	EA		5", Half Round Copper Gutter Miter .....	38.14	
07 71 23 00-0100	EA		6", Half Round Copper Gutter Miter .....	57.10	
07 71 23 00-0101	EA		7", Half Round Copper Gutter Miter .....	68.82	
07 71 23 00-0102	EA		8", Half Round Copper Gutter Miter .....	81.99	
<b>07 71 23 00-0103</b>			<b>Copper Gutter Wire Strainers (07 71 23 00-0059)</b>		
07 71 23 00-0104	EA		2" Diameter, Round Copper Wire Strainer .....	11.50	1.75
07 71 23 00-0105	EA		3" Diameter, Round Copper Wire Strainer .....	14.08	1.75
07 71 23 00-0106	EA		4" Diameter, Round Copper Wire Strainer .....	22.50	1.75
07 71 23 00-0107	EA		5" Diameter, Round Copper Wire Strainer .....	29.83	1.75
07 71 23 00-0108	EA		6" Diameter, Round Copper Wire Strainer .....	35.97	1.75
<b>07 71 23 00-0109</b>			<b>Copper Downspouts (07 71 23 00-0059)</b>		
			Note: Includes elbows, hangers and fasteners.		
<b>07 71 23 00-0110</b>			<b>Round Copper Downspouts (07 71 23 00-0109)</b>		
07 71 23 00-0111	LF		2" Diameter, 16 Ounce, Round Copper Downspout .....	19.32	1.68
07 71 23 00-0112	LF		3" Diameter, 16 Ounce, Round Copper Downspout .....	13.35	1.68
07 71 23 00-0113	LF		4" Diameter, 16 Ounce, Round Copper Downspout .....	16.92	1.68
07 71 23 00-0114	LF		5" Diameter, 16 Ounce, Round Copper Downspout .....	27.25	1.68
07 71 23 00-0115	LF		6" Diameter, 16 Ounce, Round Copper Downspout .....	35.14	1.68
07 71 23 00-0116	LF		3" Diameter, 20 Ounce, Round Copper Downspout .....	18.18	1.68
07 71 23 00-0117	LF		4" Diameter, 20 Ounce, Round Copper Downspout .....	23.70	1.68
07 71 23 00-0118	LF		5" Diameter, 20 Ounce, Round Copper Downspout .....	36.22	1.68
<b>07 71 23 00-0119</b>			<b>Square Copper Downspouts (07 71 23 00-0109)</b>		
07 71 23 00-0120	LF		3" Diameter, 16 Ounce, Square Copper Downspout .....	9.13	1.68
07 71 23 00-0121	LF		4" Diameter, 16 Ounce, Square Copper Downspout .....	11.50	1.68
07 71 23 00-0122	LF		5" Diameter, 16 Ounce, Square Copper Downspout .....	16.62	1.68
07 71 23 00-0123	LF		3" Diameter, 20 Ounce, Square Copper Downspout .....	10.60	1.68
07 71 23 00-0124	LF		4" Diameter, 20 Ounce, Square Copper Downspout .....	13.56	1.68
07 71 23 00-0125	LF		5" Diameter, 20 Ounce, Square Copper Downspout .....	19.64	1.68
<b>07 71 23 00-0126</b>			<b>Rectangular Copper Downspouts (07 71 23 00-0109)</b>		
07 71 23 00-0127	LF		2" x 3", 16 Ounce, Rectangular Copper Downspout .....	13.71	1.68
07 71 23 00-0128	LF		3" x 4", 16 Ounce, Rectangular Copper Downspout .....	17.44	1.68
07 71 23 00-0129	LF		4" x 5", 16 Ounce, Rectangular Copper Downspout .....	24.96	1.68
07 71 23 00-0130	LF		2" x 3", 20 Ounce, Rectangular Copper Downspout .....	16.03	1.68
07 71 23 00-0131	LF		3" x 4", 20 Ounce, Rectangular Copper Downspout .....	20.66	1.68
07 71 23 00-0132	LF		4" x 5", 20 Ounce, Rectangular Copper Downspout .....	29.81	1.68
<b>07 71 23 00-0133</b>			<b>Copper Devices And Accessories (07 71 23 00-0059)</b>		
07 71 23 00-0134	EA		Thru-Wall Copper Scupper Outlet.....	139.17	11.87
07 71 23 00-0135	EA		Copper Leader/Conductor Head.....	215.99	13.19
07 71 23 00-0136	EA		Copper Eave Box.....	98.47	10.51
<b>07 71 23 00-0137</b>			<b>Galvanized Steel Gutters And Downspouts (07 71 23)</b>		
<b>07 71 23 00-0138</b>			<b>Galvanized Steel Gutters (07 71 23 00-0137)</b>		
			Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>07 71 23 00-0139 K-Style Galvanized Steel Gutters</b> (07 71 23 00-0138)		
07 71 23 00-0140 LF 5", 26 Gauge, K-Style Galvanized Steel Gutter .....	6.39	1.75
For Kynar 500® Finish, Add	1.56	
For 24 Gauge, Add	0.52	
07 71 23 00-0141 LF 6", 26 Gauge, K-Style Galvanized Steel Gutter .....	7.44	1.75
For Kynar 500® Finish, Add	2.03	
For 24 Gauge, Add	0.68	
07 71 23 00-0142 LF 7", 26 Gauge, K-Style Galvanized Steel Gutter .....	16.84	1.75
For Kynar 500® Finish, Add	6.26	
For 24 Gauge, Add	2.09	
07 71 23 00-0143 LF 8", 26 Gauge, K-Style Galvanized Steel Gutter .....	17.37	1.75
For Kynar 500® Finish, Add	6.50	
For 24 Gauge, Add	2.17	
<b>07 71 23 00-0144 Half Round Galvanized Steel Gutters</b> (07 71 23 00-0138)		
07 71 23 00-0145 LF 5", 26 Gauge, Half Round Galvanized Steel Gutter .....	9.97	1.75
For Kynar 500® Finish, Add	3.17	
For 24 Gauge, Add	1.06	
07 71 23 00-0146 LF 6", 26 Gauge, Half Round Galvanized Steel Gutter .....	12.72	1.75
For Kynar 500® Finish, Add	4.41	
For 24 Gauge, Add	1.47	
07 71 23 00-0147 LF 7", 26 Gauge, Half Round Galvanized Steel Gutter .....	34.13	1.75
For Kynar 500® Finish, Add	14.04	
For 24 Gauge, Add	4.68	
07 71 23 00-0148 LF 8", 26 Gauge, Half Round Galvanized Steel Gutter .....	36.05	1.75
For Kynar 500® Finish, Add	14.91	
For 24 Gauge, Add	4.97	
<b>07 71 23 00-0149 Box Style Galvanized Steel Gutters</b> (07 71 23 00-0138)		
07 71 23 00-0150 LF 5", 24 Gauge, Box Style Galvanized Steel Gutter .....	11.57	1.75
For Kynar 500® Finish, Add	3.89	
For 22 Gauge, Add	1.30	
07 71 23 00-0151 LF 6", 24 Gauge, Box Style Galvanized Steel Gutter .....	13.50	1.75
For Kynar 500® Finish, Add	4.76	
For 22 Gauge, Add	1.59	
07 71 23 00-0152 LF 7", 24 Gauge, Box Style Galvanized Steel Gutter .....	18.22	1.75
For Kynar 500® Finish, Add	6.89	
For 22 Gauge, Add	2.30	
07 71 23 00-0153 LF 8", 24 Gauge, Box Style Galvanized Steel Gutter .....	19.25	1.75
For Kynar 500® Finish, Add	7.35	
For 22 Gauge, Add	2.45	
<b>07 71 23 00-0154 Galvanized Steel Gutter End Caps</b> (07 71 23 00-0137)		
<b>07 71 23 00-0155 K-Style, Galvanized Steel Gutter End Caps</b> (07 71 23 00-0154)		
07 71 23 00-0156 EA 5", K-Style Galvanized Steel Gutter End Cap .....	3.48	
For Kynar 500® Finish, Add	0.94	
07 71 23 00-0157 EA 6", K-Style Galvanized Steel Gutter End Cap .....	4.02	
For Kynar 500® Finish, Add	1.18	
07 71 23 00-0158 EA 7", K-Style Galvanized Steel Gutter End Cap .....	8.87	
For Kynar 500® Finish, Add	3.36	
07 71 23 00-0159 EA 8", K-Style Galvanized Steel Gutter End Cap .....	12.92	
For Kynar 500® Finish, Add	5.18	
<b>07 71 23 00-0160 Half Round, Galvanized Steel Gutter End Caps</b> (07 71 23 00-0154)		
07 71 23 00-0161 EA 5", Half Round Galvanized Steel Gutter End Cap .....	4.50	
For Kynar 500® Finish, Add	1.40	
07 71 23 00-0162 EA 6", Half Round Galvanized Steel Gutter End Cap .....	5.20	
For Kynar 500® Finish, Add	1.71	
07 71 23 00-0163 EA 7", Half Round Galvanized Steel Gutter End Cap .....	9.80	
For Kynar 500® Finish, Add	3.78	
07 71 23 00-0164 EA 8", Half Round Galvanized Steel Gutter End Cap .....	13.29	
For Kynar 500® Finish, Add	5.35	
<b>07 71 23 00-0165 Box Style, Galvanized Steel Gutter End Caps</b> (07 71 23 00-0154)		
07 71 23 00-0166 EA 5", Box Style Galvanized Steel Gutter End Cap .....	8.17	
For Kynar 500® Finish, Add	3.05	
07 71 23 00-0167 EA 6", Box Style Galvanized Steel Gutter End Cap .....	9.87	
For Kynar 500® Finish, Add	3.81	
07 71 23 00-0168 EA 7", Box Style Galvanized Steel Gutter End Cap .....	11.07	
For Kynar 500® Finish, Add	4.35	
07 71 23 00-0169 EA 8", Box Style Galvanized Steel Gutter End Cap .....	14.87	
For Kynar 500® Finish, Add	6.06	
<b>07 71 23 00-0170 Galvanized Steel Gutter Miters</b> (07 71 23 00-0137)		
Note: Inside or outside miters.		

<b>07</b>	<b>Thermal And Moisture Protection</b>
<b>07 70</b>	<b>Roof And Wall Specialties And Accessories</b>
<b>07 71</b>	<b>Roof Specialties</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0171			<b>K-Style, Galvanized Steel Gutter Miters</b> (07 71 23 00-0170)		
07 71 23 00-0172	EA		5", K-Style Galvanized Steel Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	16.52 6.33	
07 71 23 00-0173	EA		6", K-Style Galvanized Steel Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	29.38 12.12	
07 71 23 00-0174	EA		7", K-Style Galvanized Steel Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	49.81 21.31	
07 71 23 00-0175	EA		8", K-Style Galvanized Steel Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	56.15 24.17	
07 71 23 00-0176			<b>Half Round, Galvanized Steel Gutter Miters</b> (07 71 23 00-0170)		
07 71 23 00-0177	EA		5", Half Round Galvanized Steel Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	24.48 9.91	
07 71 23 00-0178	EA		6", Half Round Galvanized Steel Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	27.62 11.33	
07 71 23 00-0179	EA		7", Half Round Galvanized Steel Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	88.04 38.52	
07 71 23 00-0180	EA		8", Half Round Galvanized Steel Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	92.79 40.65	
07 71 23 00-0181			<b>Box Style, Galvanized Steel Gutter Miters</b> (07 71 23 00-0170)		
07 71 23 00-0182	EA		5", Box Style Galvanized Steel Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	22.89 9.20	
07 71 23 00-0183	EA		6", Box Style Galvanized Steel Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	39.91 16.86	
07 71 23 00-0184	EA		7", Box Style Galvanized Steel Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	52.98 22.74	
07 71 23 00-0185	EA		8", Box Style Galvanized Steel Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	56.15 24.17	
07 71 23 00-0186			<b>Galvanized Steel Gutter Wire Strainers</b> (07 71 23 00-0137)		
07 71 23 00-0187	EA		3" Diameter, Round Galvanized Steel Wire Strainer..... <i>For Kynar 500® Finish, Add</i>	7.78 1.86	1.75
07 71 23 00-0188	EA		4" Diameter, Round Galvanized Steel Wire Strainer..... <i>For Kynar 500® Finish, Add</i>	11.30 3.44	1.75
07 71 23 00-0189			<b>Galvanized Steel Downspouts</b> (07 71 23 00-0137) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0190			<b>Round Galvanized Steel Downspouts</b> (07 71 23 00-0189)		
07 71 23 00-0191	LF		3" Diameter, 26 Gauge, Round Galvanized Steel Downspout..... <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i>	4.35 1.14 0.38	1.68
07 71 23 00-0192	LF		4" Diameter, 26 Gauge, Round Galvanized Steel Downspout..... <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i>	5.43 1.62 0.54	1.68
07 71 23 00-0193	LF		5" Diameter, 26 Gauge, Round Galvanized Steel Downspout..... <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i>	7.44 2.53 0.84	1.68
07 71 23 00-0194	LF		6" Diameter, 26 Gauge, Round Galvanized Steel Downspout..... <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i>	16.69 6.69 2.23	1.68
07 71 23 00-0195			<b>Square Galvanized Steel Downspouts</b> (07 71 23 00-0189)		
07 71 23 00-0196	LF		4" x 4", 26 Gauge, Square Galvanized Steel Downspout ..... <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i>	4.96 1.41 0.47	1.68
07 71 23 00-0197	LF		5" x 5", 26 Gauge, Square Galvanized Steel Downspout ..... <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i>	6.38 2.05 0.68	1.68
07 71 23 00-0198			<b>Rectangular Galvanized Steel Downspouts</b> (07 71 23 00-0189)		
07 71 23 00-0199	LF		2" x 3", 26 Gauge, Rectangular Galvanized Steel Downspout..... <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i>	4.43 1.17 0.39	1.68
07 71 23 00-0200	LF		3" x 4", 26 Gauge, Rectangular Galvanized Steel Downspout..... <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i>	5.68 1.74 0.58	1.68
07 71 23 00-0201	LF		4" x 5", 26 Gauge, Rectangular Galvanized Steel Downspout..... <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i>	10.65 3.97 1.32	1.68
07 71 23 00-0202			<b>Galvanized Steel Devices</b> (07 71 23 00-0137)		
07 71 23 00-0203	EA		Galvanized Steel Leader/Conductor Head..... <i>For Kynar 500® Finish, Add</i>	188.07 72.77	13.19



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0204 EA Thru-Wall Galvanized Steel Scupper Outlet ..... <i>For Kynar 500® Finish, Add</i>	92.71 23.92	11.87
<b>07 71 23 00-0205 Stainless Steel Gutters And Downspouts</b> (07 71 23) Note: AISI type 304 stainless steel.		
<b>07 71 23 00-0206 Stainless Steel Gutters</b> (07 71 23 00-0205) Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
<b>07 71 23 00-0207 K-Style, Stainless Steel Gutters</b> (07 71 23 00-0206)		
07 71 23 00-0208 LF 5", 26 Gauge, K-Style Stainless Steel Gutter ..... <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	17.09 2.55 5.89 8.30	1.75
07 71 23 00-0209 LF 6", 26 Gauge, K-Style Stainless Steel Gutter ..... <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	20.64 3.19 7.37 10.38	1.75
<b>07 71 23 00-0210 Half Round, Stainless Steel Gutters</b> (07 71 23 00-0206)		
07 71 23 00-0211 LF 5", 26 Gauge, Half Round Stainless Steel Gutter ..... <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	24.38 3.86 8.93 12.58	1.75
07 71 23 00-0212 LF 6", 26 Gauge, Half Round Stainless Steel Gutter ..... <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	29.70 4.82 11.14 15.69	1.75
<b>07 71 23 00-0213 Stainless Steel Gutter End Caps</b> (07 71 23 00-0205)		
<b>07 71 23 00-0214 K-Style, Stainless Steel Gutter End Caps</b> (07 71 23 00-0213)		
07 71 23 00-0215 EA 5", K-Style Stainless Steel Gutter End Cap ..... 07 71 23 00-0216 EA 6", K-Style Stainless Steel Gutter End Cap .....	5.83 6.72	
<b>07 71 23 00-0217 Half Round, Stainless Steel Gutter End Caps</b> (07 71 23 00-0213)		
07 71 23 00-0218 EA 5", Half Round Stainless Steel Gutter End Cap ..... 07 71 23 00-0219 EA 6", Half Round Stainless Steel Gutter End Cap .....	6.94 8.05	
<b>07 71 23 00-0220 Stainless Steel Gutter Miters</b> (07 71 23 00-0205) Note: Inside or outside box miters.		
<b>07 71 23 00-0221 K-Style, Stainless Steel Gutter Miters</b> (07 71 23 00-0220)		
07 71 23 00-0222 EA 5", K-Style Stainless Steel Gutter Miter ..... 07 71 23 00-0223 EA 6", K-Style Stainless Steel Gutter Miter .....	25.36 43.09	
<b>07 71 23 00-0224 Half Round, Stainless Steel Gutter Miters</b> (07 71 23 00-0220)		
07 71 23 00-0225 EA 5", Half Round Stainless Steel Gutter Miter ..... 07 71 23 00-0226 EA 6", Half Round Stainless Steel Gutter Miter .....	69.69 85.91	
<b>07 71 23 00-0227 Stainless Steel Gutter Wire Strainers</b> (07 71 23 00-0205)		
07 71 23 00-0228 EA 3" Diameter, Round Stainless Steel Wire Strainer ..... 07 71 23 00-0229 EA 4" Diameter, Round Stainless Steel Wire Strainer .....	25.87 26.48	1.75 1.75
<b>07 71 23 00-0230 Stainless Steel Downspouts</b> (07 71 23 00-0205) Note: Includes elbows, hangers and fasteners.		
<b>07 71 23 00-0231 Round Stainless Steel Downspouts</b> (07 71 23 00-0230)		
07 71 23 00-0232 LF 3" Diameter, 26 Gauge, Round Stainless Steel Downspout ..... <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	10.98 1.65 3.81 5.37	1.68
07 71 23 00-0233 LF 4" Diameter, 26 Gauge, Round Stainless Steel Downspout ..... <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	14.53 2.29 5.29 7.45	1.68
07 71 23 00-0234 LF 5" Diameter, 26 Gauge, Round Stainless Steel Downspout ..... <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	21.24 3.50 8.08 11.38	1.68
<b>07 71 23 00-0235 Rectangular Stainless Steel Downspouts</b> (07 71 23 00-0230)		

<b>07</b>	<b>07 Thermal And Moisture Protection</b>
<b>07 70</b>	<b>Roof And Wall Specialties And Accessories</b>
<b>07 71</b>	<b>Roof Specialties</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0236	LF		2" x 3", 26 Gauge, Rectangular Stainless Steel Downspout .....	11.24	1.68
			For 24 Gauge, Add .....	1.70	
			For 22 Gauge, Add .....	3.92	
			For 20 Gauge, Add .....	5.52	
07 71 23 00-0237	LF		3" x 4", 26 Gauge, Rectangular Stainless Steel Downspout .....	15.06	1.68
			For 24 Gauge, Add .....	2.38	
			For 22 Gauge, Add .....	5.51	
			For 20 Gauge, Add .....	7.76	
07 71 23 00-0238	LF		4" x 5", 26 Gauge, Rectangular Stainless Steel Downspout .....	19.53	1.68
			For 24 Gauge, Add .....	3.19	
			For 22 Gauge, Add .....	7.37	
			For 20 Gauge, Add .....	10.38	
07 71 23 00-0239			<b>Stainless Steel Devices</b> (07 71 23 00-0205)		
07 71 23 00-0240	EA		Thru-Wall Stainless Steel Scupper Outlet .....	175.32	15.76
07 71 23 00-0241	EA		Stainless Steel Leader/Conductor Head .....	261.40	15.76
07 71 23 00-0242			<b>Vinyl Gutters And Downspouts</b> (07 71 23)		
07 71 23 00-0243			<b>Vinyl Gutters</b> (07 71 23 00-0242)		
			Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0244			<b>K-Style Vinyl Gutters</b> (07 71 23 00-0243)		
07 71 23 00-0245	LF		4", K-Style Vinyl Gutter .....	6.65	1.75
07 71 23 00-0246	LF		5", K-Style Vinyl Gutter .....	8.58	1.75
07 71 23 00-0247			<b>Half Round Vinyl Gutters</b> (07 71 23 00-0243)		
07 71 23 00-0248	LF		4", Half Round Vinyl Gutter .....	6.87	1.75
07 71 23 00-0249	LF		5", Half Round Vinyl Gutter .....	7.22	1.75
07 71 23 00-0250			<b>Vinyl Gutter End Caps</b> (07 71 23 00-0242)		
07 71 23 00-0251			<b>K-Style, Vinyl Gutter End Caps</b> (07 71 23 00-0250)		
07 71 23 00-0252	EA		4", K-Style Vinyl Gutter End Cap .....	4.11	
07 71 23 00-0253	EA		5", K-Style Vinyl Gutter End Cap .....	5.70	
07 71 23 00-0254			<b>Half Round, Vinyl Gutter End Caps</b> (07 71 23 00-0250)		
07 71 23 00-0255	EA		4", Half Round Vinyl Gutter End Cap .....	4.70	
07 71 23 00-0256	EA		5", Half Round Vinyl Gutter End Cap .....	4.43	
07 71 23 00-0257			<b>Vinyl Gutter Miters</b> (07 71 23 00-0242)		
			Note: Inside or outside miters.		
07 71 23 00-0258			<b>K-Style, Vinyl Gutter Miters</b> (07 71 23 00-0257)		
07 71 23 00-0259	EA		4", K-Style Vinyl Gutter Miter .....	10.23	
07 71 23 00-0260	EA		5", K-Style Vinyl Gutter Miter .....	15.38	
07 71 23 00-0261			<b>Half Round, Vinyl Gutter Miters</b> (07 71 23 00-0257)		
07 71 23 00-0262	EA		4", Half Round Vinyl Gutter Miter .....	10.23	
07 71 23 00-0263	EA		5", Half Round Vinyl Gutter Miter .....	11.12	
07 71 23 00-0264			<b>Vinyl Downspouts</b> (07 71 23 00-0242)		
			Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0265			<b>Round Vinyl Downspouts</b> (07 71 23 00-0264)		
07 71 23 00-0266	LF		2-1/2" Diameter, Round Vinyl Downspout .....	4.37	1.68
07 71 23 00-0267	LF		3" Diameter, Round Vinyl Downspout .....	4.55	1.68
07 71 23 00-0268			<b>Square Vinyl Downspouts</b> (07 71 23 00-0264)		
07 71 23 00-0269	LF		2-1/2", Square Vinyl Downspout .....	4.29	1.68
07 71 23 00-0270			<b>Rectangular Vinyl Downspouts</b> (07 71 23 00-0264)		
07 71 23 00-0271	LF		2" x 3", Rectangular Vinyl Downspout .....	5.49	1.68
07 71 23 00-0272			<b>Gutter And Downspout Boots</b> (07 71 23)		
07 71 23 00-0273			<b>Cast Iron Roof Drainage Downspout Boots</b> (07 71 23 00-0272)		
07 71 23 00-0274	EA		2" x 3" x 18" Long, Cast Iron Roof Drainage Downspout Boot .....	189.10	2.52
07 71 23 00-0275	EA		3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot .....	246.62	2.52
07 71 23 00-0276	EA		4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot .....	294.44	2.52



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>07 71 23 00-0277 Cast Iron Roof Drainage Downspout Boots With Cleanouts</b> <small>(07 71 23 00-0272)</small>						
	07 71 23 00-0278	EA		3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout .....	327.34	2.52
	07 71 23 00-0279	EA		4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout .....	399.99	2.52
	07 71 23 00-0280	EA		5" x 7" x 30" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout .....	726.25	2.52
<b>07 71 23 00-0281 Wall Mounted Downspout Covers With Hinged Perforated Cover</b> <small>(07 71 23)</small>						
	07 71 23 00-0282	EA		3" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-03).....	655.45	17.60
				<i>For Polished Brass Finish (-PB), Add</i>	62.03	
				<i>For Chrome Plated Finish (-CP), Add</i>	93.04	
				<i>For Vandal Proof (-U), Add</i>	31.01	
	07 71 23 00-0283	EA		4" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-04).....	667.19	23.46
				<i>For Polished Brass Finish (-PB), Add</i>	62.03	
				<i>For Chrome Plated Finish (-CP), Add</i>	93.04	
				<i>For Vandal Proof (-U), Add</i>	31.01	
	07 71 23 00-0284	EA		6" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-06).....	712.31	28.61
				<i>For Polished Brass Finish (-PB), Add</i>	65.51	
				<i>For Chrome Plated Finish (-CP), Add</i>	98.26	
				<i>For Vandal Proof (-U), Add</i>	32.75	
	07 71 23 00-0285	EA		8" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-08).....	758.85	36.12
				<i>For Polished Brass Finish (-PB), Add</i>	68.66	
				<i>For Chrome Plated Finish (-CP), Add</i>	102.99	
				<i>For Vandal Proof (-U), Add</i>	34.33	
	07 71 23 00-0286	EA		10" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-10).....	815.55	44.51
				<i>For Polished Brass Finish (-PB), Add</i>	72.65	
				<i>For Chrome Plated Finish (-CP), Add</i>	108.98	
				<i>For Vandal Proof (-U), Add</i>	36.33	
	07 71 23 00-0287	EA		12" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-12).....	894.93	62.14
				<i>For Polished Brass Finish (-PB), Add</i>	77.07	
				<i>For Chrome Plated Finish (-CP), Add</i>	115.60	
				<i>For Vandal Proof (-U), Add</i>	38.53	
	07 71 23 00-0288	EA		15" Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-15).....	987.02	86.41
				<i>For Polished Brass Finish (-PB), Add</i>	81.42	
				<i>For Chrome Plated Finish (-CP), Add</i>	122.13	
				<i>For Vandal Proof (-U), Add</i>	40.71	
<b>07 71 23 00-0289 Wall Mounted Downspout Nozzle</b> <small>(07 71 23)</small>						
	07 71 23 00-0290	EA		3" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-03).....	169.10	17.60
				<i>For Nickel Bronze Finish (-NB), Add</i>	93.73	
				<i>For Polished Bronze Finish (-PB), Add</i>	73.65	
				<i>For Chrome Plated Finish (-CP), Add</i>	119.17	
	07 71 23 00-0291	EA		4" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-04).....	180.84	23.46
				<i>For Nickel Bronze Finish (-NB), Add</i>	93.73	
				<i>For Polished Bronze Finish (-PB), Add</i>	73.65	
				<i>For Chrome Plated Finish (-CP), Add</i>	119.17	
	07 71 23 00-0292	EA		6" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-06).....	374.86	28.61
				<i>For Nickel Bronze Finish (-NB), Add</i>	95.29	
				<i>For Polished Bronze Finish (-PB), Add</i>	54.00	
				<i>For Chrome Plated Finish (-CP), Add</i>	139.76	
	07 71 23 00-0293	EA		8" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-08).....	554.40	36.12
				<i>For Nickel Bronze Finish (-NB), Add</i>	81.97	
				<i>For Polished Bronze Finish (-PB), Add</i>	62.68	
				<i>For Chrome Plated Finish (-CP), Add</i>	139.82	
	07 71 23 00-0294	EA		10" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-10).....	714.98	44.51
				<i>For Nickel Bronze Finish (-NB), Add</i>	106.41	
				<i>For Polished Bronze Finish (-PB), Add</i>	81.37	
				<i>For Chrome Plated Finish (-CP), Add</i>	181.53	
	07 71 23 00-0295	EA		12" Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-12).....	911.74	62.14
				<i>For Nickel Bronze Finish (-NB), Add</i>	133.87	
				<i>For Polished Bronze Finish (-PB), Add</i>	102.37	
				<i>For Chrome Plated Finish (-CP), Add</i>	228.37	
<b>07 71 23 00-0296 Leaf Guards And Cleaning</b> <small>(07 71 23)</small>						
	07 71 23 00-0297	LF		Aluminum Mesh Gutter Leaf Guard .....	1.68	0.31
	07 71 23 00-0298	LF		Vinyl Mesh Gutter Leaf Guard .....	1.30	0.31
	07 71 23 00-0299	LF		6" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire .....	10.67	0.39
	07 71 23 00-0300	LF		9" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire .....	15.63	0.39
	07 71 23 00-0301	LF		6" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh .....	8.11	0.39
	07 71 23 00-0302	LF		9" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh .....	12.86	0.39
	07 71 23 00-0303	EA		Cleanout Roof Drain .....	74.02	
				Note: Includes removing dome and flushing.		
	07 71 23 00-0304	LF		Clean Gutters And Downspouts.....	0.62	
<b>07 71 26 Reglets</b> <small>(07 71)</small>						
	07 71 26 00-0001			Counter Flashing With Reglet <small>(07 71 26)</small>		
				Note: Includes reglet cut.		
	07 71 26 00-0002			Galvanized Steel Counter Flashing With Reglet <small>(07 71 26 00-0001)</small>		



<b>07</b>	<b>Thermal And Moisture Protection</b>
<b>07 70</b>	<b>Roof And Wall Specialties And Accessories</b>
<b>07 71</b>	<b>Roof Specialties</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 26 00-0003			<b>Galvanized Steel Counter Flashing With Reglet</b> (07 71 26 00-0002)		
07 71 26 00-0004	LF		28 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet .....	8.70	2.34
07 71 26 00-0005	LF		26 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet .....	8.81	2.34
07 71 26 00-0006	LF		24 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet .....	9.00	2.34
07 71 26 00-0007	LF		22 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet .....	9.72	2.34
07 71 26 00-0008	LF		20 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet .....	10.13	2.34
07 71 26 00-0009	LF		18 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet .....	10.61	2.34
07 71 26 00-0010			<b>KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet</b> (07 71 26 00-0002)		
07 71 26 00-0011	LF		28 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	10.49	2.34
07 71 26 00-0012	LF		26 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	10.65	2.34
07 71 26 00-0013	LF		24 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	10.93	2.34
07 71 26 00-0014	LF		22 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	11.98	2.34
07 71 26 00-0015	LF		20 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	12.58	2.34
07 71 26 00-0016	LF		18 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	13.27	2.34
07 71 26 00-0017			<b>Aluminum Counter Flashing With Reglet</b> (07 71 26 00-0001)		
07 71 26 00-0018			<b>KYNAR 500® Finish, Aluminum Counter Flashing With Reglet</b> (07 71 26 00-0017)		
07 71 26 00-0019	LF		0.019" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	8.93	2.34
07 71 26 00-0020	LF		0.025" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	9.60	2.34
07 71 26 00-0021	LF		0.032" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	10.27	2.34
07 71 26 00-0022	LF		0.040" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	10.75	2.34
07 71 26 00-0023	LF		0.050" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	11.83	2.34
07 71 26 00-0024	LF		0.063" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	13.39	2.34
07 71 26 00-0025			<b>Mill Finish, Aluminum Counter Flashing With Reglet</b> (07 71 26 00-0017)		
07 71 26 00-0026	LF		0.019" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	7.40	2.34
07 71 26 00-0027	LF		0.025" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	7.83	2.34
07 71 26 00-0028	LF		0.032" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	8.26	2.34
07 71 26 00-0029	LF		0.040" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	8.56	2.34
07 71 26 00-0030	LF		0.050" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	9.25	2.34
07 71 26 00-0031	LF		0.063" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet.....	10.25	2.34
07 71 26 00-0032			<b>Clear Anodized Finish, Aluminum Counter Flashing With Reglet</b> (07 71 26 00-0017)		
07 71 26 00-0033	LF		0.019" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet .....	8.62	2.34
07 71 26 00-0034	LF		0.025" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet .....	9.24	2.34
07 71 26 00-0035	LF		0.032" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet .....	9.86	2.34
07 71 26 00-0036	LF		0.040" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet .....	10.30	2.34
07 71 26 00-0037	LF		0.050" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet .....	11.30	2.34
07 71 26 00-0038	LF		0.063" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet .....	12.74	2.34
07 71 26 00-0039			<b>Stainless Steel Counter Flashing With Reglet</b> (07 71 26 00-0001)		
07 71 26 00-0040			<b>Stainless Steel Counter Flashing With Reglet</b> (07 71 26 00-0039)		
07 71 26 00-0041	LF		24 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet.....	11.35	2.34
07 71 26 00-0042	LF		20 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet.....	12.53	2.34
07 71 26 00-0043			<b>Copper Counter Flashing With Reglet</b> (07 71 26 00-0001)		
07 71 26 00-0044			<b>Copper Counter Flashing With Reglet</b> (07 71 26 00-0043)		
07 71 26 00-0045	LF		16 Ounce, Up To 12" Wide, Copper Counter Flashing With Reglet.....	21.92	2.34

## 07 72 Roof Accessories (07 70)

### 07 72 13 Manufactured Curbs (07 72)

07 72 13 00-0001			<b>Insulated Galvanized Steel, Prefabricated Roof Curbs</b> (07 72 13)		
07 72 13 00-0002			<b>Insulated Galvanized Steel, Prefabricated Roof Curbs</b> (07 72 13 00-0001)		
			Note: Includes pressure treated wood nailer, 1-1/2" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction, installation clips and 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.		
07 72 13 00-0003			<b>18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs</b> (07 72 13 00-0002)		
07 72 13 00-0004			<b>9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs</b> (07 72 13 00-0003)		
07 72 13 00-0005	EA		26" x 26" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	262.98	46.72
			For Sloped Roofs Up To 1 In 12 Pitch, Add	21.63	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	47.92	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	26.46	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	51.71	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	64.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0006 EA 26" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	270.20	46.72
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	22.35	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	49.37	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	32.47	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	66.14	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	78.16	
07 72 13 00-0007 EA 26" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	285.49	52.55
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	23.29	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	51.84	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	39.68	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	81.77	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	90.19	
07 72 13 00-0008 EA 26" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	313.14	52.55
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	26.06	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	57.37	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	52.91	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	107.02	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	115.44	
07 72 13 00-0009 EA 26" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	333.59	52.55
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	28.10	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	61.46	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	11.00	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	69.93	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	77.14	
07 72 13 00-0010 EA 26" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	427.03	58.39
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	36.86	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	79.57	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	87.78	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	141.90	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	164.74	
07 72 13 00-0011 EA 38" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	272.60	46.72
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	22.59	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	49.85	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	6.31	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	54.41	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	76.06	
07 72 13 00-0012 EA 38" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	286.69	52.55
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	23.41	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	52.08	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	50.50	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	101.01	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	121.45	
07 72 13 00-0013 EA 38" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	302.32	52.55
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	24.98	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	55.21	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	62.53	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	115.44	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	132.28	
07 72 13 00-0014 EA 38" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	308.33	52.55
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	25.58	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	56.41	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	11.18	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	68.90	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	84.54	
07 72 13 00-0015 EA 38" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	407.79	58.39
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	34.94	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	75.72	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	14.43	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	78.16	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	102.21	
07 72 13 00-0016 EA 38" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	444.73	64.23
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	38.05	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	82.52	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	17.68	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	91.03	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	119.89	
07 72 13 00-0017 EA 50" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	342.00	52.55
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	28.94	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	63.14	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	64.94	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	117.84	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	131.07	
07 72 13 00-0018 EA 50" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	369.31	58.39
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	31.09	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	68.02	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	78.16	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	127.46	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	151.52	
07 72 13 00-0019 EA 50" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	382.54	58.39
For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add	32.41	
For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	70.67	
For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	92.59	
For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	134.68	
For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	175.56	

**07 Thermal And Moisture Protection**  
**07 70 Roof And Wall Specialties And Accessories**  
**07 72 Roof Accessories**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0020 EA 50" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....419.47 For Sloped Roofs Up To 1 In 12 Pitch, Add 35.52 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 77.47 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 108.22 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 162.34 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 200.82		64.23
07 72 13 00-0021 EA 51" x 99" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....445.59 For Sloped Roofs Up To 1 In 12 Pitch, Add 37.55 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 82.11 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 18.58 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 85.92 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 115.98		70.08
07 72 13 00-0022 EA 51" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....481.31 For Sloped Roofs Up To 1 In 12 Pitch, Add 40.54 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 88.67 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 149.11 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 224.87 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 265.75		75.92
07 72 13 00-0023 EA 62" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....382.54 For Sloped Roofs Up To 1 In 12 Pitch, Add 32.41 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 70.67 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 14.79 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 54.47 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 100.17		58.39
07 72 13 00-0024 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....406.25 For Sloped Roofs Up To 1 In 12 Pitch, Add 34.20 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 74.83 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 113.04 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 171.96 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 209.24		64.23
07 72 13 00-0025 EA 62" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....444.38 For Sloped Roofs Up To 1 In 12 Pitch, Add 37.43 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 81.87 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 146.70 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 205.63 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 240.50		70.08
07 72 13 00-0026 EA 62" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....456.41 For Sloped Roofs Up To 1 In 12 Pitch, Add 38.63 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 84.27 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 22.01 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 80.93 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 141.05		70.08
07 72 13 00-0027 EA 62" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....494.54 For Sloped Roofs Up To 1 In 12 Pitch, Add 41.86 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 91.32 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 185.18 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 245.31 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 322.27		75.92
<b>07 72 13 00-0028 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0003)</b>		
07 72 13 00-0029 EA 26" x 26" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....278.61 For Sloped Roofs Up To 1 In 12 Pitch, Add 23.19 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 51.05 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 26.46 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 51.71 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 64.94		46.72
07 72 13 00-0030 EA 26" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....282.22 For Sloped Roofs Up To 1 In 12 Pitch, Add 23.55 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 51.77 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 32.47 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 66.14 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 78.16		46.72
07 72 13 00-0031 EA 26" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....297.51 For Sloped Roofs Up To 1 In 12 Pitch, Add 24.50 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 54.25 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 39.68 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 81.77 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 90.19		52.55
07 72 13 00-0032 EA 26" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....328.77 For Sloped Roofs Up To 1 In 12 Pitch, Add 27.62 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 60.50 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 52.91 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 107.02 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 115.44		52.55
07 72 13 00-0033 EA 26" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....351.62 For Sloped Roofs Up To 1 In 12 Pitch, Add 29.91 For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add 65.07 For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add 11.00 For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add 69.93 For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add 77.14		52.55



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0034 EA 26" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	441.47	58.39
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	38.31	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	82.45	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	87.78	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	141.90	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	164.74	
07 72 13 00-0035 EA 38" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	283.43	46.72
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	23.67	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	52.01	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	6.31	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	54.41	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	76.06	
07 72 13 00-0036 EA 38" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	319.15	52.55
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.66	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	58.57	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	50.50	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	101.01	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	121.45	
07 72 13 00-0037 EA 38" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	343.21	52.55
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	29.07	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	63.39	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	62.53	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	115.44	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	132.28	
07 72 13 00-0038 EA 38" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	370.86	52.55
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	31.83	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	68.92	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.18	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	68.90	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	84.54	
07 72 13 00-0039 EA 38" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	427.03	58.39
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	36.86	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	79.57	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.43	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	78.16	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	102.21	
07 72 13 00-0040 EA 38" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	468.78	64.23
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	40.45	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	87.33	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	17.68	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	91.03	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	119.89	
07 72 13 00-0041 EA 50" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	356.43	52.55
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	30.39	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	66.03	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	64.94	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	117.84	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	131.07	
07 72 13 00-0042 EA 50" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	381.34	58.39
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	32.29	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	70.43	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	78.16	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	127.46	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	151.52	
07 72 13 00-0043 EA 50" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	400.58	58.39
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	34.22	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	74.28	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	92.59	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	134.68	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	175.56	
07 72 13 00-0044 EA 50" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	438.71	64.23
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	37.45	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	81.32	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	108.22	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	162.34	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	200.82	
07 72 13 00-0045 EA 51" x 99" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	468.43	70.08
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	39.84	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	86.68	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.58	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	85.92	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	115.98	
07 72 13 00-0046 EA 51" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	507.77	75.92
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	43.19	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	93.96	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	149.11	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	224.87	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	265.75	
07 72 13 00-0047 EA 62" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	400.58	58.39
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	34.22	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	74.28	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.79	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	54.47	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	100.17	

<b>07</b>	<b>Thermal And Moisture Protection</b>
<b>07 70</b>	<b>Roof And Wall Specialties And Accessories</b>
<b>07 72</b>	<b>Roof Accessories</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 72 13 00-0048	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....	425.49	64.23
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	36.13	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	78.67	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	113.04	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	171.96	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	209.24	
07 72 13 00-0049	EA		62" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....	464.83	70.08
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	39.48	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	85.96	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	146.70	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	205.63	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	240.50	
07 72 13 00-0050	EA		62" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....	480.46	70.08
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	41.04	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	89.08	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	22.01	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	80.93	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	141.05	
07 72 13 00-0051	EA		62" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....	521.00	75.92
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	44.51	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	96.61	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	185.18	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	245.31	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	322.27	

**07 72 13 00-0052 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs** (07 72 13 00-0003)

07 72 13 00-0053	EA		26" x 26" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....	287.03	46.72
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	24.03	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	52.73	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	26.46	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	51.71	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	64.94	
07 72 13 00-0054	EA		26" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....	290.64	46.72
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	24.39	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	53.46	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	32.47	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	66.14	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	78.16	
07 72 13 00-0055	EA		26" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....	303.52	52.55
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	25.10	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	55.45	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	39.68	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	81.77	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	90.19	
07 72 13 00-0056	EA		26" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....	338.39	52.55
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	28.58	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	62.42	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	52.91	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	107.02	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	115.44	
07 72 13 00-0057	EA		26" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....	364.85	52.55
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	31.23	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	67.71	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.00	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	69.93	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	77.14	
07 72 13 00-0058	EA		26" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....	458.30	58.39
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	39.99	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	85.82	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	87.78	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	141.90	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	164.74	
07 72 13 00-0059	EA		38" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....	290.64	46.72
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	24.39	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	53.46	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	6.31	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	54.41	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	76.06	
07 72 13 00-0060	EA		38" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....	303.52	52.55
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	25.10	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	55.45	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	50.50	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	101.01	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	121.45	
07 72 13 00-0061	EA		38" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....	364.85	52.55
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	31.23	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	67.71	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	62.53	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	115.44	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	132.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0062 EA 38" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	393.71	52.55
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	34.12	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	73.49	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.18	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	68.90	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	84.54	
07 72 13 00-0063 EA 38" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	441.47	58.39
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	38.31	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	82.45	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.43	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	78.16	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	102.21	
07 72 13 00-0064 EA 38" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	484.41	64.23
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	42.02	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	90.46	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	17.68	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	91.03	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	119.89	
07 72 13 00-0065 EA 50" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	366.05	52.55
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	31.35	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	67.95	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	64.94	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	117.84	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	131.07	
07 72 13 00-0066 EA 50" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	394.57	58.39
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	33.62	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	73.07	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	78.16	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	127.46	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	151.52	
07 72 13 00-0067 EA 50" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	412.61	58.39
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	35.42	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	76.68	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	92.59	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	134.68	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	175.56	
07 72 13 00-0068 EA 50" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	453.15	64.23
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	38.89	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	84.21	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	108.22	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	162.34	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	200.82	
07 72 13 00-0069 EA 51" x 99" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	482.86	70.08
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	41.28	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	89.56	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.58	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	85.92	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	115.98	
07 72 13 00-0070 EA 51" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	524.61	75.92
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	44.87	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	97.33	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	149.11	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	224.87	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	265.75	
07 72 13 00-0071 EA 62" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	412.61	58.39
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	35.42	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	76.68	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.79	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	54.47	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	100.17	
07 72 13 00-0072 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	438.71	64.23
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	37.45	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	81.32	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	113.04	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	171.96	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	209.24	
07 72 13 00-0073 EA 62" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	480.46	70.08
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	41.04	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	89.08	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	146.70	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	205.63	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	240.50	
07 72 13 00-0074 EA 62" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	496.09	70.08
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	42.60	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	92.21	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	22.01	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	80.93	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	141.05	

<b>07</b>	<b>Thermal And Moisture Protection</b>
<b>07 70</b>	<b>Roof And Wall Specialties And Accessories</b>
<b>07 72</b>	<b>Roof Accessories</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0075	EA		62" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	539.03	75.92
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	46.31	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	100.21	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	185.18	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	245.31	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	322.27	
07 72 13 00-0076			14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0002)</small>		
07 72 13 00-0077			9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0076)</small>		
07 72 13 00-0078	EA		26" x 26" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	249.75	46.72
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	20.30	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	45.28	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	26.46	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	51.71	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	64.94	
07 72 13 00-0079	EA		26" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	265.39	46.72
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	21.87	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	48.41	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	32.47	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	66.14	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	78.16	
07 72 13 00-0080	EA		26" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	307.13	52.55
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	25.46	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	56.17	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	39.68	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	81.77	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	90.19	
07 72 13 00-0081	EA		26" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	343.21	52.55
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	29.07	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	63.39	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	52.91	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	107.02	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	115.44	
07 72 13 00-0082	EA		26" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	369.66	52.55
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	31.71	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	68.68	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.00	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	69.93	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	77.14	
07 72 13 00-0083	EA		26" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	477.54	58.39
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	41.91	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	89.67	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	87.78	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	141.90	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	164.74	
07 72 13 00-0084	EA		38" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	294.25	46.72
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	24.75	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	54.18	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	6.31	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	54.41	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	76.06	
07 72 13 00-0085	EA		38" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	316.75	52.55
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.42	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	58.09	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	50.50	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	101.01	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	121.45	
07 72 13 00-0086	EA		38" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	328.77	52.55
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	27.62	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	60.50	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	62.53	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	115.44	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	132.28	
07 72 13 00-0087	EA		38" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	339.60	52.55
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	28.70	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	62.66	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.18	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	68.90	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	84.54	
07 72 13 00-0088	EA		38" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	448.68	58.39
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	39.03	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	83.90	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.43	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	78.16	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	102.21	
07 72 13 00-0089	EA		38" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	492.83	64.23
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	42.86	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	92.14	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	17.68	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	91.03	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	119.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0090 EA 50" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	370.86	52.55
<i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i>	31.83	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	68.92	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	64.94	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	117.84	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	131.07	
07 72 13 00-0091 EA 50" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	399.38	58.39
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	34.10	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	74.04	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	78.16	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	127.46	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	151.52	
07 72 13 00-0092 EA 50" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	418.62	58.39
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	36.02	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	77.88	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	92.59	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	134.68	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	175.56	
07 72 13 00-0093 EA 50" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	460.36	64.23
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	39.61	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	85.65	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	108.22	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	162.34	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	200.82	
07 72 13 00-0094 EA 51" x 99" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	490.08	70.08
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	42.00	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	91.01	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.58	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	85.92	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	115.98	
07 72 13 00-0095 EA 51" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	533.02	75.92
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	45.71	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	99.01	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	149.11	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	224.87	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	265.75	
07 72 13 00-0096 EA 62" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	418.62	58.39
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	36.02	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	77.88	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.79	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	54.47	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	100.17	
07 72 13 00-0097 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	444.73	64.23
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	38.05	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	82.52	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	113.04	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	171.96	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	209.24	
07 72 13 00-0098 EA 62" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	487.67	70.08
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	41.76	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	90.53	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	146.70	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	205.63	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	240.50	
07 72 13 00-0099 EA 62" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	504.51	70.08
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	43.44	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	93.89	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	22.01	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	80.93	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	141.05	
07 72 13 00-0100 EA 62" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	548.65	75.92
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	47.27	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	102.14	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	185.18	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	245.31	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	322.27	
<b>07 72 13 00-0101 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs</b> <small>(07 72 13 00-0076)</small>		
07 72 13 00-0102 EA 26" x 26" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	260.58	46.72
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	21.39	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	47.44	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	26.46	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	51.71	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	64.94	
07 72 13 00-0103 EA 26" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	278.61	46.72
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	23.19	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	51.05	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	32.47	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	66.14	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	78.16	



**07 Thermal And Moisture Protection**  
**07 70 Roof And Wall Specialties And Accessories**  
**07 72 Roof Accessories**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0104	EA		26" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....325.17 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	27.26 59.78 39.68 81.77 90.19	52.55
07 72 13 00-0105	EA		26" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....364.85 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	31.23 67.71 52.91 107.02 115.44	52.55
07 72 13 00-0106	EA		26" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....397.32 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	34.48 74.21 11.00 69.93 77.14	52.55
07 72 13 00-0107	EA		26" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....482.35 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	42.40 90.63 87.78 141.90 164.74	58.39
07 72 13 00-0108	EA		38" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....309.88 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	26.32 57.30 6.31 54.41 76.06	46.72
07 72 13 00-0109	EA		38" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....335.99 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	28.34 61.94 50.50 101.01 121.45	52.55
07 72 13 00-0110	EA		38" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....351.62 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	29.91 65.07 62.53 115.44 132.28	52.55
07 72 13 00-0111	EA		38" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....366.05 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	31.35 67.95 11.18 68.90 84.54	52.55
07 72 13 00-0112	EA		38" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....477.54 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	41.91 89.67 14.43 78.16 102.21	58.39
07 72 13 00-0113	EA		38" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....527.70 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	46.35 99.12 17.68 91.03 119.89	64.23
07 72 13 00-0114	EA		50" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....392.51 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	34.00 73.25 64.94 117.84 131.07	52.55
07 72 13 00-0115	EA		50" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....423.43 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	36.50 78.85 78.16 127.46 151.52	58.39
07 72 13 00-0116	EA		50" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....446.27 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	38.79 83.41 92.59 134.68 175.56	58.39
07 72 13 00-0117	EA		50" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb .....489.22 <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	42.50 91.42 108.22 162.34 200.82	64.23



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0118	EA			51" x 99" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	523.75	70.08
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	45.37	
				<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	97.74	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.58	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	85.92	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	115.98	
07 72 13 00-0119	EA			51" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	571.50	75.92
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	49.56	
				<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	106.71	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	149.11	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	224.87	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	265.75	
07 72 13 00-0120	EA			62" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	446.27	58.39
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	38.79	
				<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	83.41	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.79	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	54.47	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	100.17	
07 72 13 00-0121	EA			62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	475.99	64.23
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	41.18	
				<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	88.77	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	113.04	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	171.96	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	209.24	
07 72 13 00-0122	EA			62" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	521.34	70.08
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	45.13	
				<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	97.26	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	146.70	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	205.63	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	240.50	
07 72 13 00-0123	EA			62" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	539.38	70.08
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	46.93	
				<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	100.87	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	22.01	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	80.93	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	141.05	
07 72 13 00-0124	EA			62" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	589.54	75.92
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	51.36	
				<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	110.32	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	185.18	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	245.31	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	322.27	
07 72 13 00-0125				<b>14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs</b> <small>(07 72 13 00-0076)</small>		
07 72 13 00-0126	EA			26" x 26" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	268.99	46.72
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	22.23	
				<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	49.13	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	26.46	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	51.71	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	64.94	
07 72 13 00-0127	EA			26" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	288.23	46.72
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	24.15	
				<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	52.97	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	32.47	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	66.14	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	78.16	
07 72 13 00-0128	EA			26" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	335.99	52.55
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	28.34	
				<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	61.94	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	39.68	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	81.77	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	90.19	
07 72 13 00-0129	EA			26" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	379.28	52.55
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	32.67	
				<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	70.60	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	52.91	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	107.02	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	115.44	
07 72 13 00-0130	EA			26" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	415.35	52.55
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	36.28	
				<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	77.81	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.00	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	69.93	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	77.14	
07 72 13 00-0131	EA			26" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	520.83	58.39
				<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	46.24	
				<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	98.33	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	87.78	
				<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	141.90	
				<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	164.74	

**07 Thermal And Moisture Protection**  
**07 70 Roof And Wall Specialties And Accessories**  
**07 72 Roof Accessories**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0132	EA		38" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	321.91 27.52 59.71 6.31 54.41 76.06	46.72
07 72 13 00-0133	EA		38" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	356.43 30.39 66.03 50.50 101.01 121.45	52.55
07 72 13 00-0134	EA		38" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	378.08 32.55 70.36 62.53 115.44 132.28	52.55
07 72 13 00-0135	EA		38" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	382.89 33.03 71.32 11.18 68.90 84.54	52.55
07 72 13 00-0136	EA		38" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	499.19 44.08 94.00 14.43 78.16 102.21	58.39
07 72 13 00-0137	EA		38" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	551.75 48.75 103.93 17.68 91.03 119.89	64.23
07 72 13 00-0138	EA		50" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	406.94 35.44 76.13 64.94 117.84 131.07	52.55
07 72 13 00-0139	EA		50" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	439.06 38.07 81.97 78.16 127.46 151.52	58.39
07 72 13 00-0140	EA		50" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	464.31 40.59 87.02 92.59 134.68 175.56	58.39
07 72 13 00-0141	EA		50" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	510.87 44.66 95.75 108.22 162.34 200.82	64.23
07 72 13 00-0142	EA		51" x 99" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	545.39 47.53 102.07 18.58 85.92 115.98	70.08
07 72 13 00-0143	EA		51" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	597.96 52.20 112.00 149.11 224.87 265.75	75.92
07 72 13 00-0144	EA		62" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	464.31 40.59 87.02 14.79 54.47 100.17	58.39
07 72 13 00-0145	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	497.64 43.34 93.10 113.04 171.96 209.24	64.23



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0146	EA			62" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	541.79 47.17 101.35 146.70 205.63 240.50	70.08
07 72 13 00-0147	EA			62" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	563.43 49.34 105.68 22.01 80.93 141.05	70.08
07 72 13 00-0148	EA			62" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	615.99 54.01 115.61 185.18 245.31 322.27	75.92
07 72 13 00-0149				<b>Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs</b> <small>(07 72 13 00-0001)</small> Note: Includes 1" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction and installation clips.		
07 72 13 00-0150				<b>6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs</b> <small>(07 72 13 00-0149)</small>		
07 72 13 00-0151	EA			14-1/2" To 23" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	319.06 27.23 59.14	46.72
07 72 13 00-0152	EA			23-1/2" To 32" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	419.23 37.25 79.17	46.72
07 72 13 00-0153	EA			32-1/2" To 41" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	486.62 43.41 92.07	52.55
07 72 13 00-0154	EA			41" To 49-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	566.60 51.40 108.06	52.55
07 72 13 00-0155	EA			50" To 58-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	624.79 56.64 119.12	58.39
07 72 13 00-0156				<b>12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs</b> <small>(07 72 13 00-0149)</small>		
07 72 13 00-0157	EA			14-1/2" To 23" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	465.74 41.90 88.48	46.72
07 72 13 00-0158	EA			23-1/2" To 32" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	601.68 55.50 115.66	46.72
07 72 13 00-0159	EA			32-1/2" To 41" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	617.19 56.46 118.18	52.55
07 72 13 00-0160	EA			41" To 49-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	668.30 61.57 128.40	52.55
07 72 13 00-0161	EA			50" To 58-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	751.53 69.31 144.47	58.39
07 72 13 00-0162	EA			64" To 72-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	959.97 89.57 185.57	64.23
07 72 13 00-0163				<b>18" To 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs</b> <small>(07 72 13 00-0149)</small>		
07 72 13 00-0164	EA			17-1/2" To 22" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	706.71 66.00 136.67	46.72

<b>07</b>	<b>Thermal And Moisture Protection</b>
<b>07 70</b>	<b>Roof And Wall Specialties And Accessories</b>
<b>07 72</b>	<b>Roof Accessories</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0165	EA		24" To 29" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	845.71	46.72
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	79.90	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	164.47	
07 72 13 00-0166	EA		31" To 46" Square Outside Dimensions, 18" Height, 16 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb.....	1,022.47	52.55
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	96.99	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	199.24	
<b>07 72 13 00-0167</b>			<b>Wood, Prefabricated Roof Curbs</b> <small>(07 72 13)</small>		
			Note: Includes Douglas fir construction, galvanized steel corner straps and installation clips. Includes 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.		
<b>07 72 13 00-0168</b>			<b>Wood Framed, Prefabricated Roof Curbs</b> <small>(07 72 13 00-0167)</small>		
<b>07 72 13 00-0169</b>			<b>2 x 6 Wood Framed, Prefabricated Roof Curbs</b> <small>(07 72 13 00-0168)</small>		
07 72 13 00-0170	EA		26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	190.83	46.72
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	14.41	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	33.49	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	26.46	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	51.71	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	64.94	
07 72 13 00-0171	EA		26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	209.73	52.55
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	15.72	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	36.69	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	39.68	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	81.77	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	90.19	
07 72 13 00-0172	EA		26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	240.99	52.55
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	18.84	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	42.94	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.00	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	69.93	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	77.14	
07 72 13 00-0173	EA		38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	237.39	52.55
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	18.48	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	42.22	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	62.53	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	115.44	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	132.28	
07 72 13 00-0174	EA		38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	245.80	52.55
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	19.32	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	43.90	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.18	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	68.90	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	84.54	
07 72 13 00-0175	EA		38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	277.93	58.39
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	21.95	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	49.75	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.43	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	78.16	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	102.21	
07 72 13 00-0176	EA		50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	243.40	52.55
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	19.08	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	43.42	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	64.94	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	117.84	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	131.07	
07 72 13 00-0177	EA		50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	288.75	58.39
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	23.04	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	51.91	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	92.59	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	134.68	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	175.56	
07 72 13 00-0178	EA		51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	312.11	70.08
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	24.20	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	55.41	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.58	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	85.92	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	115.98	
07 72 13 00-0179	EA		62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	267.10	58.39
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	20.87	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	47.58	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.79	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	54.47	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	100.17	
07 72 13 00-0180	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb.....	293.21	64.23
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	22.90	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	52.22	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	113.04	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	171.96	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	209.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0181 EA 62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	336.16 26.61 60.22 22.01 80.93 141.05	70.08
<b>07 72 13 00-0182 2 x 8 Wood Framed, Prefabricated Roof Curbs <small>(07 72 13 00-0168)</small></b>		
07 72 13 00-0183 EA 26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	198.05 15.13 34.94 26.46 51.71 64.94	46.72
07 72 13 00-0184 EA 26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	218.15 16.56 38.37 39.68 81.77 90.19	52.55
07 72 13 00-0185 EA 26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	263.84 21.13 47.51 11.00 69.93 77.14	52.55
07 72 13 00-0186 EA 38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	251.81 19.93 45.11 62.53 115.44 132.28	52.55
07 72 13 00-0187 EA 38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	263.84 21.13 47.51 11.18 68.90 84.54	52.55
07 72 13 00-0188 EA 38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	295.96 23.76 53.35 14.43 78.16 102.21	58.39
07 72 13 00-0189 EA 50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	256.63 20.41 46.07 64.94 117.84 131.07	52.55
07 72 13 00-0190 EA 50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	305.58 24.72 55.28 92.59 134.68 175.56	58.39
07 72 13 00-0191 EA 51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	328.94 25.89 58.78 18.58 85.92 115.98	70.08
07 72 13 00-0192 EA 62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	280.33 22.19 50.23 14.79 54.47 100.17	58.39
07 72 13 00-0193 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	308.85 24.46 55.35 113.04 171.96 209.24	64.23
07 72 13 00-0194 EA 62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	352.99 28.29 63.59 22.01 80.93 141.05	70.08
07 72 13 00-0195 2 x 10 Wood Framed, Prefabricated Roof Curbs <small>(07 72 13 00-0168)</small>		

**07 Thermal And Moisture Protection**  
**07 70 Roof And Wall Specialties And Accessories**  
**07 72 Roof Accessories**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0196	EA		26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb .....202.86		46.72
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	15.61	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	35.90	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	26.46	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	51.71	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	64.94	
07 72 13 00-0197	EA		26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb .....226.56		52.55
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	17.40	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	40.06	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	39.68	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	81.77	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	90.19	
07 72 13 00-0198	EA		26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb .....266.25		52.55
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	21.37	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	47.99	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.00	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	69.93	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	77.14	
07 72 13 00-0199	EA		38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb .....260.23		52.55
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	20.77	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	46.79	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	62.53	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	115.44	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	132.28	
07 72 13 00-0200	EA		38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb .....274.66		52.55
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	22.21	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	49.68	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.18	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	68.90	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	84.54	
07 72 13 00-0201	EA		38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb .....307.99		58.39
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	24.96	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	55.76	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.43	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	78.16	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	102.21	
07 72 13 00-0202	EA		50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb .....265.04		52.55
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	21.25	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	47.75	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	64.94	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	117.84	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	131.07	
07 72 13 00-0203	EA		50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb .....316.41		58.39
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	25.80	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	57.44	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	92.59	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	134.68	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	175.56	
07 72 13 00-0204	EA		51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb .....339.77		70.08
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.97	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	60.95	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.58	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	85.92	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	115.98	
07 72 13 00-0205	EA		62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb .....288.75		58.39
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	23.04	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	51.91	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.79	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	54.47	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	100.17	
07 72 13 00-0206	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb .....318.47		64.23
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	25.42	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	57.27	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	113.04	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	171.96	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	209.24	
07 72 13 00-0207	EA		62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb .....365.02		70.08
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	29.49	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	66.00	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	22.01	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	80.93	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	141.05	
07 72 13 00-0208			<b>2 x 12 Wood Framed, Prefabricated Roof Curbs</b> (07 72 13 00-0168)		
07 72 13 00-0209	EA		26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb .....208.87		46.72
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	16.22	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	37.10	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	26.46	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	51.71	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	64.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0210 EA 26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 To 3 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	231.37 17.88 41.02 39.68 81.77 90.19	52.55
07 72 13 00-0211 EA 26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	277.07 22.45 50.16 11.00 69.93 77.14	52.55
07 72 13 00-0212 EA 38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	286.69 23.41 52.08 11.18 68.90 84.54	52.55
07 72 13 00-0213 EA 38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	321.21 26.28 58.40 14.43 78.16 102.21	58.39
07 72 13 00-0214 EA 50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	275.87 22.33 49.92 64.94 117.84 131.07	52.55
07 72 13 00-0215 EA 50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	328.43 27.00 59.85 92.59 134.68 175.56	58.39
07 72 13 00-0216 EA 51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	354.19 28.41 63.63 18.58 85.92 115.98	70.08
07 72 13 00-0217 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	328.09 26.39 59.19 113.04 171.96 209.24	64.23
<b>07 72 13 00-0218 Wood Framed With Liner, Prefabricated Roof Curbs</b> (07 72 13 00-0167)		
<b>07 72 13 00-0219 2 x 6 Wood Framed With Liner, Prefabricated Roof Curbs</b> (07 72 13 00-0218)		
07 72 13 00-0220 EA 26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	200.45 15.37 35.42 26.46 51.71 64.94	46.72
07 72 13 00-0221 EA 26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	218.15 16.56 38.37 39.68 81.77 90.19	52.55
07 72 13 00-0222 EA 26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	256.63 20.41 46.07 11.00 69.93 77.14	52.55
07 72 13 00-0223 EA 38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	248.21 19.57 44.39 62.53 115.44 132.28	52.55
07 72 13 00-0224 EA 38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	259.03 20.65 46.55 11.18 68.90 84.54	52.55



**07 Thermal And Moisture Protection**  
**07 70 Roof And Wall Specialties And Accessories**  
**07 72 Roof Accessories**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0225	EA		38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb .....292.35	292.35	58.39
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	23.40	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	52.63	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.43	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	78.16	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	102.21	
07 72 13 00-0226	EA		50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb .....254.22	254.22	52.55
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	20.17	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	45.59	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	64.94	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	117.84	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	131.07	
07 72 13 00-0227	EA		50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb .....301.97	301.97	58.39
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	24.36	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	54.55	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	92.59	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	134.68	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	175.56	
07 72 13 00-0228	EA		51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb .....325.33	325.33	70.08
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	25.53	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	58.06	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.58	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	85.92	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	115.98	
07 72 13 00-0229	EA		62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb .....281.53	281.53	58.39
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	22.31	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	50.47	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.79	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	54.47	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	100.17	
07 72 13 00-0230	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb .....306.44	306.44	64.23
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	24.22	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	54.86	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	113.04	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	171.96	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	209.24	
07 72 13 00-0231	EA		62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb .....352.99	352.99	70.08
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	28.29	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	63.59	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	22.01	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	80.93	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	141.05	
07 72 13 00-0232			<b>2 x 8 Wood Framed With Liner, Prefabricated Roof Curbs</b> <small>(07 72 13 00-0218)</small>		
07 72 13 00-0233	EA		26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb .....208.87	208.87	46.72
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	16.22	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	37.10	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	26.46	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	51.71	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	64.94	
07 72 13 00-0234	EA		26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb .....227.77	227.77	52.55
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	17.52	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	40.30	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	39.68	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	81.77	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	90.19	
07 72 13 00-0235	EA		26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb .....271.05	271.05	52.55
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	21.85	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	48.95	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.00	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	69.93	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	77.14	
07 72 13 00-0236	EA		38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb .....262.64	262.64	52.55
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	21.01	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	47.27	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	62.53	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	115.44	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	132.28	
07 72 13 00-0237	EA		38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb .....278.27	278.27	52.55
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	22.57	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	50.40	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.18	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	68.90	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	84.54	
07 72 13 00-0238	EA		38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb .....314.00	314.00	58.39
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	25.56	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	56.96	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.43	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	78.16	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	102.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0239 EA 50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	271.05 21.85 48.95 64.94 117.84 131.07	52.55
07 72 13 00-0240 EA 50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	322.42 26.40 58.64 92.59 134.68 175.56	58.39
07 72 13 00-0241 EA 51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	348.18 27.81 62.63 18.58 85.92 115.98	70.08
07 72 13 00-0242 EA 62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	297.17 23.88 53.59 14.79 54.47 100.17	58.39
07 72 13 00-0243 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	324.48 26.02 58.47 113.04 171.96 209.24	64.23
07 72 13 00-0244 EA 62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	373.43 30.34 67.68 22.01 80.93 141.05	70.08
<b>07 72 13 00-0245 2 x 10 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0218)</b>		
07 72 13 00-0246 EA 26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	216.09 16.94 38.55 26.46 51.71 64.94	46.72
07 72 13 00-0247 EA 26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	237.39 18.48 42.22 39.68 81.77 90.19	52.55
07 72 13 00-0248 EA 26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	285.49 23.29 51.84 11.00 69.93 77.14	52.55
07 72 13 00-0249 EA 38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	273.46 22.09 49.44 62.53 115.44 132.28	52.55
07 72 13 00-0250 EA 38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	292.70 24.01 53.28 11.18 68.90 84.54	52.55
07 72 13 00-0251 EA 38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	329.63 27.12 60.09 14.43 78.16 102.21	58.39
07 72 13 00-0252 EA 50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	281.88 22.93 51.12 64.94 117.84 131.07	52.55

**07 Thermal And Moisture Protection**  
**07 70 Roof And Wall Specialties And Accessories**  
**07 72 Roof Accessories**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0253	EA		50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....335.65	335.65	58.39
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	27.73	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	61.29	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	92.59	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	134.68	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	175.56	
07 72 13 00-0254	EA		51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....362.61	362.61	70.08
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	29.25	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	65.51	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.58	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	85.92	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	115.98	
07 72 13 00-0255	EA		62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....309.19	309.19	58.39
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	25.08	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	56.00	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.79	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	54.47	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	100.17	
07 72 13 00-0256	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....337.71	337.71	64.23
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	27.35	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	61.12	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	113.04	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	171.96	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	209.24	
07 72 13 00-0257	EA		62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....389.07	389.07	70.08
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	31.90	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	70.81	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	22.01	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	80.93	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	141.05	
07 72 13 00-0258			<b>2 x 12 Wood Framed With Liner, Prefabricated Roof Curbs</b> (07 72 13 00-0218)		
07 72 13 00-0259	EA		26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb .....230.51	230.51	46.72
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	18.38	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	41.43	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	26.46	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	51.71	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	64.94	
07 72 13 00-0260	EA		26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb .....244.60	244.60	52.55
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	19.20	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	43.66	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	39.68	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	81.77	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	90.19	
07 72 13 00-0261	EA		26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb .....296.31	296.31	52.55
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	24.38	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	54.01	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.00	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	69.93	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	77.14	
07 72 13 00-0262	EA		38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb .....304.73	304.73	52.55
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	25.22	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	55.69	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.18	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	68.90	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	84.54	
07 72 13 00-0263	EA		38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb .....375.33	375.33	58.39
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	31.69	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	69.23	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	14.43	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	78.16	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	102.21	
07 72 13 00-0264	EA		50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb .....316.75	316.75	52.55
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	26.42	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	58.09	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	64.94	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	117.84	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	131.07	
07 72 13 00-0265	EA		50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb .....377.73	377.73	58.39
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	31.93	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	69.71	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	92.59	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	134.68	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	175.56	
07 72 13 00-0266	EA		51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb .....410.71	410.71	70.08
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	34.06	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	75.13	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	18.58	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	85.92	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	115.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0267 EA 62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb.....	382.20	64.23
<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	31.80	
<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	70.02	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	113.04	
<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	171.96	
<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	209.24	
 <b>07 72 23 Relief Vents <small>(07 72)</small></b>		
07 72 23 00-0001 Wind Driven Turbine Ventilators <small>(07 72 23)</small>		
Note: Excludes curb or flange base.		
07 72 23 00-0002 Galvanized Steel, Wind Driven Turbine Ventilators <small>(07 72 23 00-0001)</small>		
07 72 23 00-0003 EA 6" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator.....	102.22	19.61
<i>For Curb Or Flange Base, Add</i>	112.73	
07 72 23 00-0004 EA 9" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator.....	122.89	21.71
<i>For Curb Or Flange Base, Add</i>	123.84	
07 72 23 00-0005 EA 12" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator.....	132.33	25.91
<i>For Curb Or Flange Base, Add</i>	137.50	
07 72 23 00-0006 EA 15" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator.....	256.88	28.72
<i>For Curb Or Flange Base, Add</i>	223.37	
07 72 23 00-0007 EA 18" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator.....	354.75	32.21
<i>For Curb Or Flange Base, Add</i>	241.78	
07 72 23 00-0008 EA 21" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator.....	428.54	35.02
<i>For Curb Or Flange Base, Add</i>	262.50	
07 72 23 00-0009 EA 24" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator.....	548.10	39.22
<i>For Curb Or Flange Base, Add</i>	322.04	
07 72 23 00-0010 EA 36" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator.....	907.04	52.52
<i>For Curb Or Flange Base, Add</i>	530.02	
07 72 23 00-0011 Mill Finish Aluminum, Wind Driven Turbine Ventilators <small>(07 72 23 00-0001)</small>		
07 72 23 00-0012 EA 6" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator.....	98.14	19.61
<i>For Curb Or Flange Base, Add</i>	116.22	
07 72 23 00-0013 EA 9" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator.....	122.67	21.71
<i>For Curb Or Flange Base, Add</i>	127.93	
07 72 23 00-0014 EA 12" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator.....	137.16	25.91
<i>For Curb Or Flange Base, Add</i>	141.52	
07 72 23 00-0015 EA 15" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator.....	246.64	28.72
<i>For Curb Or Flange Base, Add</i>	245.14	
07 72 23 00-0016 EA 18" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator.....	318.91	32.21
<i>For Curb Or Flange Base, Add</i>	261.71	
07 72 23 00-0017 EA 21" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator.....	404.22	35.02
<i>For Curb Or Flange Base, Add</i>	295.21	
07 72 23 00-0018 EA 24" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator.....	546.85	39.22
<i>For Curb Or Flange Base, Add</i>	357.14	
07 72 23 00-0019 EA 36" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator.....	815.32	52.52
<i>For Curb Or Flange Base, Add</i>	538.20	
07 72 23 00-0020 Stationary Siphon Ventilators <small>(07 72 23)</small>		
Note: Excludes curb or flange base.		
07 72 23 00-0021 Galvanized Steel, Stationary Siphon Ventilators <small>(07 72 23 00-0020)</small>		
07 72 23 00-0022 EA 6" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	85.93	19.61
<i>For Curb Or Flange Base, Add</i>	112.73	
07 72 23 00-0023 EA 9" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	113.57	21.71
<i>For Curb Or Flange Base, Add</i>	123.84	
07 72 23 00-0024 EA 12" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	124.69	25.91
<i>For Curb Or Flange Base, Add</i>	137.50	
07 72 23 00-0025 EA 15" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	215.06	28.72
<i>For Curb Or Flange Base, Add</i>	223.37	
07 72 23 00-0026 EA 18" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	248.94	32.21
<i>For Curb Or Flange Base, Add</i>	241.78	
07 72 23 00-0027 EA 21" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	353.77	35.02
<i>For Curb Or Flange Base, Add</i>	262.50	
07 72 23 00-0028 EA 24" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	461.43	39.22
<i>For Curb Or Flange Base, Add</i>	322.04	
07 72 23 00-0029 EA 36" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator.....	669.30	52.52
<i>For Curb Or Flange Base, Add</i>	530.02	
07 72 23 00-0030 Mill Finish Aluminum, Stationary Siphon Ventilators <small>(07 72 23 00-0020)</small>		
07 72 23 00-0031 EA 6" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	94.25	19.61
<i>For Curb Or Flange Base, Add</i>	116.22	
07 72 23 00-0032 EA 9" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	125.00	21.71
<i>For Curb Or Flange Base, Add</i>	127.93	
07 72 23 00-0033 EA 12" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	139.11	25.91
<i>For Curb Or Flange Base, Add</i>	141.52	
07 72 23 00-0034 EA 15" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	228.30	28.72
<i>For Curb Or Flange Base, Add</i>	245.14	
07 72 23 00-0035 EA 18" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	287.75	32.21
<i>For Curb Or Flange Base, Add</i>	261.71	

<b>07</b>	<b>Thermal And Moisture Protection</b>
<b>07 70</b>	<b>Roof And Wall Specialties And Accessories</b>
<b>07 72</b>	<b>Roof Accessories</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 23 00-0036 EA 21" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	353.58	35.02
For Curb Or Flange Base, Add	295.21	
07 72 23 00-0037 EA 24" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	507.92	39.22
For Curb Or Flange Base, Add	357.14	
07 72 23 00-0038 EA 36" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	765.55	52.52
For Curb Or Flange Base, Add	538.20	
<b>07 72 23 00-0039 Spun Aluminum, Stationary Mushroom Gravity Ventilators (07 72 23)</b>		
Note: Includes flange base and bird screen. Excludes curb.		
07 72 23 00-0040 EA 8" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	189.89	31.52
For Backdraft Damper, Add	105.77	
For Curb Base, Add	151.24	
07 72 23 00-0041 EA 10" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	235.62	35.02
For Backdraft Damper, Add	115.72	
For Curb Base, Add	165.36	
07 72 23 00-0042 EA 12" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	265.56	42.01
For Backdraft Damper, Add	158.03	
For Curb Base, Add	210.12	
07 72 23 00-0043 EA 16" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	325.85	46.22
For Backdraft Damper, Add	180.43	
For Curb Base, Add	243.95	
07 72 23 00-0044 EA 24" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	890.50	63.03
For Backdraft Damper, Add	226.47	
For Curb Base, Add	320.79	
07 72 23 00-0045 EA 30" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	1,089.21	72.83
For Backdraft Damper, Add	267.54	
For Curb Base, Add	383.97	
07 72 23 00-0046 EA 36" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	1,490.53	84.04
For Backdraft Damper, Add	267.54	
For Curb Base, Add	397.86	
07 72 23 00-0047 EA 42" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	2,106.57	91.04
For Backdraft Damper, Add	279.98	
For Curb Base, Add	411.52	
07 72 23 00-0048 EA 48" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator.....	3,044.91	98.04
For Backdraft Damper, Add	311.09	
For Curb Base, Add	463.75	
<b>07 72 23 00-0049 Galvanized Steel, Stationary Gooseneck Ventilators (07 72 23)</b>		
Note: Includes flange base and bird screen. Excludes curb.		
07 72 23 00-0050 EA 8" x 8", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	360.27	35.02
07 72 23 00-0051 EA 12" x 12", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	420.42	46.22
07 72 23 00-0052 EA 16" x 16", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	606.82	63.03
07 72 23 00-0053 EA 24" x 24", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	952.24	72.83
<b>07 72 26 Ridge Vents (07 72)</b>		
<b>07 72 26 00-0001 Aluminum Ridge Vents (07 72 26)</b>		
07 72 26 00-0002 LF Aluminum Ridge Vent Strips.....	8.21	2.04
07 72 26 00-0003 EA Aluminum Ridge Univent Connectors.....	32.04	12.61
07 72 26 00-0004 EA Aluminum Ridge Univent End Cap.....	29.80	12.61
<b>07 72 26 00-0005 Galvanized Ridge Vents (07 72 26)</b>		
07 72 26 00-0006 LF Galvanized Sheet Metal Ridge Vent Strips.....	10.39	2.17
<b>07 72 29 Rafter Vent (07 72)</b>		
<b>07 72 29 00-0001 Rafter Vent (07 72 29)</b>		
Note: Built-in baffle is designed to help keep air flowing freely from soffits to ridge vents.		
07 72 29 00-0002 EA 22" x 4' Rafter Vent.....	5.96	
07 72 29 00-0003 EA 14" x 4' Rafter Vent.....	5.36	
<b>07 72 33 Roof Hatches (07 72)</b>		
Note: Includes curb with integral insulation, lockable hatch and gaskets.		
<b>07 72 33 00-0001 Galvanized Steel Cover And Curb (07 72 33)</b>		
07 72 33 00-0002 EA 2'-6" x 3'-0" Galvanized Steel Roof Hatch (Bilco S-20).....	1,098.48	84.97
07 72 33 00-0003 EA 2'-6" x 4'-6" Galvanized Steel Roof Hatch (Bilco NB-20).....	1,661.39	94.41
07 72 33 00-0004 EA 2'-6" x 8'-0" Galvanized Steel Roof Hatch (Bilco L-20).....	2,995.72	128.75
07 72 33 00-0005 EA 3'-0" x 3'-0" Galvanized Steel Roof Hatch (Bilco E-20).....	1,646.33	94.41
07 72 33 00-0006 EA 4'-0" x 4'-0" Galvanized Steel Roof Hatch.....	1,860.88	104.92
07 72 33 00-0007 EA 3'-0" x 8'-0" Galvanized Steel Roof Hatch.....	3,098.51	143.09
<b>07 72 33 00-0008 Aluminum Cover And Curb (07 72 33)</b>		
07 72 33 00-0009 EA 2'-6" x 3'-0" Aluminum Roof Hatch (Bilco S-50).....	1,039.98	84.97
07 72 33 00-0010 EA 2'-6" x 4'-6" Aluminum Roof Hatch (Bilco NB-50).....	1,376.47	94.41
07 72 33 00-0011 EA 2'-6" x 8'-0" Aluminum Roof Hatch (Bilco L-50).....	2,568.07	128.75



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 33 00-0012 EA 3'-0" x 3'-0" Aluminum Roof Hatch (Bilco E-50) .....	1,354.07	94.41
07 72 33 00-0013 EA 4'-0" x 4'-0" Aluminum Roof Hatch (Bilco F-50) .....	2,505.07	104.92
07 72 33 00-0014 EA 3'-0" x 8'-0" Aluminum Roof Hatch .....	2,713.50	143.09
07 72 33 00-0015 EA 3'-0" x 2'-6" Aluminum Roof Scuttle With Skylight (Bilco GS-50) .....	1,538.93	94.41
<b>07 72 33 00-0016 Steel, Plain, Primed (07 72 33)</b>		
07 72 33 00-0017 EA 2'-6" x 3'-0" Plain Steel Roof Hatch Primed (Bilco S-20) .....	1,047.68	84.97
07 72 33 00-0018 EA 2'-6" x 4'-6" Plain Steel Roof Hatch Primed (Bilco NB-20) .....	1,450.37	94.41
07 72 33 00-0019 EA 2'-6" x 8'-0" Plain Steel Roof Hatch Primed (Bilco L-20) .....	1,987.89	128.75
07 72 33 00-0020 EA 3'-0" x 3'-0" Plain Steel Roof Hatch Primed (Bilco E-20) .....	1,346.33	94.41
07 72 33 00-0021 EA 4'-0" x 4'-0" Plain Steel Roof Hatch Primed .....	1,667.34	104.92
07 72 33 00-0022 EA 3'-0" x 8'-0" Plain Steel Roof Hatch Primed .....	2,266.27	143.09
<b>07 72 33 00-0023 Stainless Steel (07 72 33)</b>		
07 72 33 00-0024 EA 2'-6" x 3'-0" Stainless Steel Roof Hatch (Bilco S-90) .....	2,311.53	84.97
07 72 33 00-0025 EA 2'-6" x 4'-6" Stainless Steel Roof Hatch (Bilco NB-90) .....	4,510.89	94.41
07 72 33 00-0026 EA 2'-6" x 8'-0" Stainless Steel Roof Hatch (Bilco L-90) .....	6,800.37	128.75
07 72 33 00-0027 EA 3'-0" x 3'-0" Stainless Steel Roof Hatch (Bilco E-90) .....	3,604.99	94.41
07 72 33 00-0028 EA 4'-0" x 4'-0" Stainless Steel Roof Hatch .....	7,732.23	104.92
07 72 33 00-0029 EA 3'-0" x 8'-0" Stainless Steel Roof Hatch .....	8,631.22	143.09
<b>07 72 33 00-0030 Remove And Reinstall Roof Hatch (07 72 33)</b>		
Note: Includes storage, cleaning and supply materials.		
07 72 33 00-0031 EA Removal And Reinstallation Of Roof Hatch (All Types) .....	261.35	
<b>07 72 33 00-0032 Aluminum Cover And Galvanized Steel Curb (07 72 33)</b>		
07 72 33 00-0033 EA Aluminum Cover, Galvanized Steel Curb 3'-0" x 2'-6" Roof (Bilco S-40) .....	1,003.29	94.41
07 72 33 00-0034 EA Aluminum Cover, Galvanized Steel Curb 2'-6" x 4'-6" Roof (Bilco NB-40) .....	1,339.78	104.92
07 72 33 00-0035 EA Aluminum Cover, Galvanized Steel Curb 2'-6" x 8'-0" Roof (Bilco L-40) .....	2,472.68	143.03
07 72 33 00-0036 EA Aluminum Cover, Galvanized Steel Curb 3'-0" x 3'-0" Roof (Bilco E-40) .....	1,324.72	97.36
07 72 33 00-0037 EA Aluminum Cover, Galvanized Steel Curb 4'-0" x 4'-0" Roof (Bilco F-40) .....	2,424.35	107.87
<b>07 72 33 00-0038 Roof Hatch Accessories (07 72 33)</b>		
07 72 33 00-0039 EA Roof Hatch Ladderup Safety Post (Bilco LU-1) .....	706.01	44.26
<b>07 72 33 00-0040 Roof Hatch Safety Railing (07 72 33)</b>		
Note: Included mounting bracket to attach to roof hatch		
07 72 33 00-0041 EA 24" x 24" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-24x24) .....	1,078.49	
07 72 33 00-0042 EA 24" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-24x36) .....	1,119.80	
07 72 33 00-0043 EA 30" x 30" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-30x30) .....	1,148.27	
07 72 33 00-0044 EA 30" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-30x36) .....	1,249.70	
07 72 33 00-0045 EA 36" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-36x36) .....	1,367.78	
07 72 33 00-0046 EA 48" x 48" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate (Acudor RHSR-48x48) .....	1,749.04	
<b>07 72 36 Smoke Vents (07 72)</b>		
<b>07 72 36 00-0001 Fire Vent (07 72 36)</b>		
<b>07 72 36 00-0002 Galvanized Steel Covers And Curb (07 72 36 00-0001)</b>		
07 72 36 00-0003 EA 4'-0" x 4'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4848) .....	3,137.32	78.71
07 72 36 00-0004 EA 4'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4872) .....	3,588.03	108.22
07 72 36 00-0005 EA 4'-0" x 7'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4890) .....	4,096.32	118.07
07 72 36 00-0006 EA 4'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-4896) .....	4,172.90	123.97
07 72 36 00-0007 EA 5'-0" x 5'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6060) .....	4,884.78	108.22
07 72 36 00-0008 EA 5'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6072) .....	5,189.85	118.07
07 72 36 00-0009 EA 5'-0" x 7'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6084) .....	5,475.55	127.93
07 72 36 00-0010 EA 5'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6096) .....	6,245.12	137.78
07 72 36 00-0011 EA 5'-0" x 10'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-60120) .....	7,779.20	147.58
07 72 36 00-0012 EA 5'-6" x 5'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-6666) .....	5,175.55	127.93
07 72 36 00-0013 EA 5'-6" x 12'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-66114) .....	11,026.16	157.42
07 72 36 00-0014 EA 6'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent (Bilco DSH-7272) .....	5,941.00	167.28
<b>07 72 36 00-0015 Aluminum Covers And Galvanized Steel Curb (07 72 36 00-0001)</b>		
07 72 36 00-0016 EA 4'-0" x 4'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4848A) .....	2,495.39	78.71
07 72 36 00-0017 EA 4'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4872A) .....	2,840.49	108.22
07 72 36 00-0018 EA 4'-0" x 7'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4890A) .....	3,200.10	118.07
07 72 36 00-0019 EA 4'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-4896A) .....	3,311.67	123.97
07 72 36 00-0020 EA 5'-0" x 5'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6060A) .....	3,229.38	108.22
07 72 36 00-0021 EA 5'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6072A) .....	4,146.64	118.07
07 72 36 00-0022 EA 5'-0" x 7'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6084A) .....	4,432.87	127.93
07 72 36 00-0023 EA 5'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6096A) .....	4,300.87	137.78
07 72 36 00-0024 EA 5'-0" x 10'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-60120A) .....	6,091.31	147.58



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 36 00-0025	EA		5'-6" x 5'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-6666A) .....	4,176.06	127.93
07 72 36 00-0026	EA		5'-6" x 12'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-66144A) .....	8,028.51	157.42
07 72 36 00-0027	EA		6'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent (Bilco DSH-7272A) .....	4,051.63	167.28
<b>07 72 36 00-0028</b>			<b>Aluminum Covers And Curb</b> (07 72 36 00-0001)		
07 72 36 00-0029	EA		4'-0" x 4'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4848B) .....	2,730.19	78.71
07 72 36 00-0030	EA		4'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4872B) .....	3,229.38	108.22
07 72 36 00-0031	EA		4'-0" x 7'-6" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4890B) .....	3,544.97	118.07
07 72 36 00-0032	EA		4'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4896B) .....	3,751.92	123.97
07 72 36 00-0033	EA		5'-0" x 5'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6060B) .....	3,405.48	108.22
07 72 36 00-0034	EA		5'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6072B) .....	4,330.08	118.07
07 72 36 00-0035	EA		5'-0" x 7'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6084B) .....	4,594.30	127.93
07 72 36 00-0036	EA		5'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6096B) .....	4,741.13	137.78
07 72 36 00-0037	EA		5'-0" x 10'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-60120B) .....	5,775.80	147.58
07 72 36 00-0038	EA		5'-6" x 5'-6" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-6666B) .....	4,381.51	127.93
07 72 36 00-0039	EA		5'-6" x 12'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-66114B) .....	8,784.28	157.42
07 72 36 00-0040	EA		6'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-7272B) .....	4,491.88	167.28
<b>07 72 36 00-0041</b>			<b>Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb</b> (07 72 36)		
07 72 36 00-0042	EA		4'-0" x 4'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV4848B) .....	2,700.84	78.48
07 72 36 00-0043	EA		4'-0" x 6'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV4872B) .....	3,412.80	108.22
07 72 36 00-0044	EA		4'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV4896B) .....	3,597.83	123.97
07 72 36 00-0045	EA		5'-0" x 5'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV6060B) .....	3,889.76	108.22
07 72 36 00-0046	EA		5'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent (Bilco LV6096B) .....	4,080.76	137.78
<b>07 72 46</b>			<b>Roof Walkways</b> (07 72)		
<b>07 72 46 00-0001</b>			<b>Recycled Rubber Walkway Pads</b> (07 72 46)		
07 72 46 00-0002	SF		3/8" Thick, Button Surface, Recycled Rubber Walkway Pad .....	6.21	1.30
			<i>For Diamond Surface, Add</i> .....	0.62	
07 72 46 00-0003	SF		1/2" Thick, Button Surface, Recycled Rubber Walkway Pad .....	6.95	1.56
			<i>For Diamond Surface, Add</i> .....	0.72	
07 72 46 00-0004	SF		3/4" Thick, Button Surface, Recycled Rubber Walkway Pad .....	7.70	1.56
			<i>For Diamond Surface, Add</i> .....	0.81	
<b>07 72 53</b>			<b>Snow Guards</b> (07 72)		
<b>07 72 53 00-0001</b>			<b>Snow Guards For Shingle And Tile Roofs</b> (07 72 53)		
07 72 53 00-0002	EA		6-5/8" Length, 1-1/2" Width, Copper Snow Guards For Shingle And Tile Roofs .....	13.11	1.32
07 72 53 00-0003	EA		6-5/8" Length, 1-1/2" Width, Lead Coated Copper Snow Guards For Shingle And Tile Roofs .....	14.43	1.32
07 72 53 00-0004	EA		6-5/8" Length, 1-1/2" Width, Stainless Steel Snow Guards For Shingle And Tile Roofs .....	13.56	1.32
07 72 53 00-0005	EA		6-5/8" Length, 1-1/2" Width, Aluminum Snow Guards For Shingle And Tile Roofs .....	7.48	1.32
<b>07 72 53 00-0006</b>			<b>Snow Guards For Metal Roofs</b> (07 72 53)		
			Note: Aluminum construction.		
07 72 53 00-0007	EA		Mill Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300) .....	16.29	2.50
07 72 53 00-0008	EA		Black Primer Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300) .....	18.28	2.50
07 72 53 00-0009	EA		Bronze Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300) .....	27.68	2.50
07 72 53 00-0010	EA		Painted Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300) .....	27.26	2.50
07 72 53 00-0011	EA		Mill Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516) .....	25.28	2.92
07 72 53 00-0012	EA		Black Primer Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516) .....	27.78	2.92
07 72 53 00-0013	EA		Painted Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516) .....	35.13	2.92
07 72 53 00-0014	EA		Mill Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM) .....	14.23	2.20
			<i>For Mechanically Fastened, Add</i> .....	4.37	
07 72 53 00-0015	EA		Black Primer Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM) .....	16.29	2.20
			<i>For Mechanically Fastened, Add</i> .....	4.37	
07 72 53 00-0016	EA		Painted Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM) .....	23.31	2.20
			<i>For Mechanically Fastened, Add</i> .....	4.37	
07 72 53 00-0017	EA		Polycarbonate, Adhesive Surface Mount, Metal Roof Snow Guard (Zaleski #15) .....	7.46	2.20
			Note: Can be used for metal, rubber, PVC, TPO or glass roofing.		
			<i>For Mechanically Fastened, Add</i> .....	5.84	
<b>07 72 53 00-0018</b>			<b>Pipe Style, Snow Guards For Metal Roofs</b> (07 72 53)		
<b>07 72 53 00-0019</b>			<b>Pipe Style, Standing Seam Metal Roof Snow Guard Clamps</b> (07 72 53 00-0018)		
			Note: Aluminum construction. Includes clamp for attaching to standing seam. Excludes tubing.		
07 72 53 00-0020	EA		Single Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000) .....	37.58	8.76
07 72 53 00-0021	EA		Single Tube, "T2 or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000) .....	45.31	8.76



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 53 00-0022 EA Double Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000).....	51.48	8.76
07 72 53 00-0023 EA Double Tube, "T2K or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000).....	64.76	8.76
07 72 53 00-0024 EA Triple Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 6000).....	66.25	10.51
<b>07 72 53 00-0025 Tubing For Snow Guard Clamps</b> (07 72 53 00-0018)		
07 72 53 00-0026 LF 1" Outside Diameter Aluminum Tubing For Snow Guard Clamps (Alpine SnowGuards®).....	7.67	2.10
07 72 53 00-0027 LF 1" Outside Diameter Brass Or Stainless Steel Tubing For Snow Guard Clamps (Alpine SnowGuards®).....	15.87	2.10
<b>07 72 56 Snow/Ice Melt Cable</b> (07 72)		
<b>07 72 56 00-0001 Self Regulating Heating Cable For Roofs And Gutters</b> (07 72 56)		
07 72 56 00-0002 LF 12 Watt, 120 Volt, Self Regulating Low Temperature Cable For Roofs And Gutters.....	9.61	0.73
Note: Nickel-coated copper braided cable with weatherproof jacket.		
07 72 56 00-0003 LF 12 Watt, 208/277 Volt Self Regulating Low Temperature Cable For Roofs And Gutters.....	10.34	0.73
Note: Nickel-coated copper braided cable with weatherproof jacket.		
07 72 56 00-0004 EA Power Connection, End Seal And Warning Labels Kit For Self Regulating Heating Cable For Roofs And Gutters.....	151.65	55.13
07 72 56 00-0005 EA Splice Kit For Self Regulating Heating Cable For Roofs And Gutters.....	115.67	40.44
07 72 56 00-0006 EA Edge Of Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters.....	5.66	2.21
For >5, Deduct		
07 72 56 00-0007 EA Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters.....	5.31	2.21
For >5, Deduct		
07 72 56 00-0008 EA Downspout Hanger Kit For Self Regulating Heating Cable For Roofs And Gutters.....	37.50	5.51
07 72 56 00-0009 EA 120 Volt AC, Snow Switch, Automatic Control For Melting Snow.....	607.13	44.11
07 72 56 00-0010 EA Automatic Gutter Ice Melting Control.....	832.81	55.13
<b>07 72 63 Waste Containment Assemblies</b> (07 72)		
<b>07 72 63 00-0001 Rooftop Oil And Grease Containment System</b> (07 72 63)		
<b>07 72 63 00-0002 Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD-E)</b> (07 72 63 00-0001)		
07 72 63 00-0003 EA 48" Length, 48" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100-E).....	1,660.66	105.50
07 72 63 00-0004 EA 60" Length, 60" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101-E).....	1,866.48	105.50
07 72 63 00-0005 EA 60" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106-E).....	2,306.14	109.71
07 72 63 00-0006 EA 72" Length, 72" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102-E).....	2,294.37	109.71
07 72 63 00-0007 EA 72" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103-E).....	3,017.80	118.69
07 72 63 00-0008 EA 72" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111-E).....	2,332.51	118.69
07 72 63 00-0009 EA 90" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105-E).....	2,592.56	140.63
07 72 63 00-0010 EA 108" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112-E).....	3,845.12	175.81
07 72 63 00-0011 EA 120" Length, 120" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107-E).....	4,809.82	175.81
07 72 63 00-0012 EA 144" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113-E).....	6,133.35	175.81
<b>07 72 63 00-0013 Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD)</b> (07 72 63 00-0001)		
07 72 63 00-0014 EA 48" Length, 48" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100).....	2,063.54	105.50
07 72 63 00-0015 EA 60" Length, 60" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101).....	2,331.20	105.50
07 72 63 00-0016 EA 60" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106).....	2,897.32	109.71
07 72 63 00-0017 EA 72" Length, 72" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102).....	2,950.27	109.71
07 72 63 00-0018 EA 72" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103).....	4,244.28	118.69
07 72 63 00-0019 EA 72" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111).....	4,664.87	118.69
07 72 63 00-0020 EA 90" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105).....	4,310.21	140.63
07 72 63 00-0021 EA 108" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112).....	4,839.23	175.81
07 72 63 00-0022 EA 120" Length, 120" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107).....	6,095.11	175.81
07 72 63 00-0023 EA 144" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113).....	7,815.70	175.81





MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 72 63 00-0024	Replacement Filter Sets For Rooftop Oil And Grease Containment System <small>(07 72 63)</small> Note: Includes removing old filters and installing new filters.	
07 72 63 00-0025	Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System <small>(07 72 63 00-0024)</small>	
07 72 63 00-0026	Light Duty, Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System <small>(07 72 63 00-0025)</small>	
07 72 63 00-0027	SET 48" Length, 48" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-E) .....	139.05
07 72 63 00-0028	SET 60" Length, 60" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-E) .....	197.88
07 72 63 00-0029	SET 60" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-E) .....	286.10
07 72 63 00-0030	SET 72" Length, 72" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-E) .....	261.97
07 72 63 00-0031	SET 72" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-E) .....	497.27
07 72 63 00-0032	SET 72" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-E) .....	503.15
07 72 63 00-0033	SET 90" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-E) .....	384.89
07 72 63 00-0034	SET 108" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-E) .....	502.54
07 72 63 00-0035	SET 120" Length, 120" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-E) .....	740.78
07 72 63 00-0036	SET 144" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-E) .....	979.01
07 72 63 00-0037	Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System <small>(07 72 63 00-0024)</small>	
07 72 63 00-0038	Light Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System <small>(07 72 63 00-0037)</small>	
07 72 63 00-0039	SET 48" Length, 48" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-EC) .....	294.01
07 72 63 00-0040	SET 60" Length, 60" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-EC) .....	394.02
07 72 63 00-0041	SET 60" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-EC) .....	576.37
07 72 63 00-0042	SET 72" Length, 72" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-EC) .....	534.59
07 72 63 00-0043	SET 72" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-EC) .....	1,037.53
07 72 63 00-0044	SET 72" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-EC) .....	1,043.41
07 72 63 00-0045	SET 90" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-EC) .....	769.28
07 72 63 00-0046	SET 108" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-EC) .....	1,042.81
07 72 63 00-0047	SET 120" Length, 120" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-EC) .....	1,533.98
07 72 63 00-0048	SET 144" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-EC) .....	2,045.75
07 72 63 00-0049	Heavy Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System <small>(07 72 63 00-0037)</small>	
07 72 63 00-0050	SET 48" Length, 48" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-C) .....	367.55
07 72 63 00-0051	SET 60" Length, 60" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-C) .....	458.73
07 72 63 00-0052	SET 60" Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-C) .....	676.37
07 72 63 00-0053	SET 72" Length, 72" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-C) .....	637.53
07 72 63 00-0054	SET 72" Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-C) .....	1,252.23
07 72 63 00-0055	SET 72" Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-C) .....	1,246.35
07 72 63 00-0056	SET 90" Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-C) .....	904.58
07 72 63 00-0057	SET 108" Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-C) .....	1,257.51
07 72 63 00-0058	SET 120" Length, 120" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-C) .....	1,769.28
07 72 63 00-0059	SET 144" Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-C) .....	2,466.34



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**07 73 Roof Protection Board** (07 70)

07 73 00 00-0001

**Roof Protection Board** (07 73)

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements.

07 73 00 00-0002

**Cold Adhesive Applied, Roof Protection Board (Georgia-Pacific DensDeck®)** (07 73 00 00-0001)

07 73 00 00-0003	SF 1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®), Cold Adhesive Applied .....	2.01	
	<i>For No Adhesive, Deduct</i> .....	-0.48	
07 73 00 00-0004	SF 1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®), Cold Adhesive Applied .....	2.26	0.29
	<i>For No Adhesive, Deduct</i> .....	-0.49	
07 73 00 00-0005	SF 5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®), Cold Adhesive Applied .....	2.39	0.31
	<i>For No Adhesive, Deduct</i> .....	-0.50	
07 73 00 00-0006	SF 1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime), Cold Adhesive Applied .....	2.04	0.26
	<i>For No Adhesive, Deduct</i> .....	-0.48	
07 73 00 00-0007	SF 1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime), Cold Adhesive Applied .....	2.31	0.29
	<i>For No Adhesive, Deduct</i> .....	-0.49	
07 73 00 00-0008	SF 5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime), Cold Adhesive Applied .....	2.44	0.31
	<i>For No Adhesive, Deduct</i> .....	-0.50	

07 73 00 00-0009

**Hot-Mopped, Roof Protection Board (Georgia-Pacific DensDeck®)** (07 73 00 00-0001)

07 73 00 00-0010	SF 1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®), Hot-Mopped .....	1.85	
07 73 00 00-0011	SF 1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®), Hot-Mopped .....	2.12	0.29
07 73 00 00-0012	SF 5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®), Hot-Mopped .....	2.25	0.31
07 73 00 00-0013	SF 1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime), Hot-Mopped .....	1.88	0.26
07 73 00 00-0014	SF 1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime), Hot-Mopped .....	2.17	0.29
07 73 00 00-0015	SF 5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime), Hot-Mopped .....	2.29	0.31

07 73 00 00-0016

**Mechanically Fastened, Roof Protection Board (Georgia-Pacific DensDeck®)** (07 73 00 00-0001)

Note: Mechanically fastened to wood or steel.

07 73 00 00-0017	SF 1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®), Mechanically Fastened .....	1.82	
	<i>For Mechanically Fastened To Concrete, Add</i> .....	0.70	
	<i>For Mechanically Fastened To Gypsum, Add</i> .....	0.91	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	0.31	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	1.26	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	1.12	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	0.47	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	1.72	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	1.69	
07 73 00 00-0018	SF 1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®), Mechanically Fastened .....	2.08	0.29
	<i>For Mechanically Fastened To Concrete, Add</i> .....	0.70	
	<i>For Mechanically Fastened To Gypsum, Add</i> .....	0.91	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	0.31	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	1.30	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	1.12	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	0.47	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	1.76	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	1.69	
07 73 00 00-0019	SF 5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck®), Mechanically Fastened .....	2.20	0.31
	<i>For Mechanically Fastened To Concrete, Add</i> .....	0.70	
	<i>For Mechanically Fastened To Gypsum, Add</i> .....	0.91	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	0.31	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	1.33	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	1.12	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	0.47	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	1.79	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	1.69	

<b>07</b>	<b>Thermal And Moisture Protection</b>
<b>07 70</b>	<b>Roof And Wall Specialties And Accessories</b>
<b>07 73</b>	<b>Roof Protection Board</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 73 00 00-0020	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime), Mechanically Fastened	1.86	0.26	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.70		
		<i>For Mechanically Fastened To Gypsum, Add</i>	0.91		
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.31		
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.26		
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12		
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.47		
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.72		
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69		
07 73 00 00-0021	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime), Mechanically Fastened	2.13	0.29	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.70		
		<i>For Mechanically Fastened To Gypsum, Add</i>	0.91		
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.31		
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.30		
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12		
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.47		
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.76		
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69		
07 73 00 00-0022	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board (Georgia-Pacific DensDeck® Prime), Mechanically Fastened	2.25	0.31	
		<i>For Mechanically Fastened To Concrete, Add</i>	0.70		
		<i>For Mechanically Fastened To Gypsum, Add</i>	0.91		
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.31		
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	1.33		
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	1.12		
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	0.47		
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	1.79		
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	1.69		

**07 76 Roof Pavers** (07 70)**07 76 16 Roof Decking Pavers** (07 76)**07 76 16 00-0001 Roof Pavers** (07 76 16)

Note: For walkway application over roofing system.

07 76 16 00-0002	SF	Up To 100 SF, 2" Concrete Roof Paver	9.67	3.38
		<i>For 1-1/2" Thickness, Deduct</i>	-0.71	
		<i>For 2-1/2" Thickness, Add</i>	0.71	
		<i>For 3" Thickness, Add</i>	1.42	
07 76 16 00-0003	SF	>100 To 200 SF, 2" Concrete Roof Paver	8.49	2.54
		<i>For 1-1/2" Thickness, Deduct</i>	-0.61	
		<i>For 2-1/2" Thickness, Add</i>	0.61	
		<i>For 3" Thickness, Add</i>	1.21	
07 76 16 00-0004	SF	>200 To 400 SF, 2" Concrete Roof Paver	7.49	2.03
		<i>For 1-1/2" Thickness, Deduct</i>	-0.52	
		<i>For 2-1/2" Thickness, Add</i>	0.52	
		<i>For 3" Thickness, Add</i>	1.04	
07 76 16 00-0005	SF	>400 To 1,000 SF, 2" Concrete Roof Paver	6.82	1.76
		<i>For 1-1/2" Thickness, Deduct</i>	-0.47	
		<i>For 2-1/2" Thickness, Add</i>	0.47	
		<i>For 3" Thickness, Add</i>	0.93	
07 76 16 00-0006	SF	>1,000 SF, 2" Concrete Roof Paver	6.32	1.61
		<i>For 1-1/2" Thickness, Deduct</i>	-0.43	
		<i>For 2-1/2" Thickness, Add</i>	0.43	
		<i>For 3" Thickness, Add</i>	0.86	

**07 76 16 00-0007 Roof Paver Pedestal** (07 76 16)

07 76 16 00-0008	EA	2" To 3" High Adjustable Roof Paver Pedestal, 2" Base, 2" Top (Hanover Elevator)	13.61	0.52
07 76 16 00-0009	EA	3" To 4-3/4" High Adjustable Roof Paver Pedestal, 3" Base, 3" Top (Hanover Elevator)	14.13	0.52
07 76 16 00-0010	EA	4-3/4" To 7-3/4" High Adjustable Roof Paver Pedestal, 4" Base, 4" Top (Hanover Elevator)	14.66	0.52
07 76 16 00-0011	EA	Adjustable Roof Paver Pedestal Coupler, Adds 2-1/2" To 4" (Hanover Elevator)	7.70	0.52
07 76 16 00-0012	EA	Stay Bar, Used With Roof Paver Pedestals >16' High (Hanover Elevator)	6.41	0.52
07 76 16 00-0013	EA	5/8" High Tab Roof Paver Pedestal (Hanover High Tab Pedestal)	6.59	0.52
		Note: Stackable.		
07 76 16 00-0014	EA	1/16" And 1/8" Flexible Leveling Plates For Roof Paver Pedestal	3.76	0.52
		Note: Used with High Tab and Elevator pedestals.		
07 76 16 00-0015	EA	Roof Paver Leveling System, Twist To Adjust Pitch (Hanover Compensator)	4.73	0.52
		Note: Each Compensator levels 1/8" of slope and are stackable. Used with High Tab and Elevator pedestals.		

**07 76 19 Composite Insulation Concrete Protection Board** (07 76)

Note: Manufactured by T. Clear Corp. 25 year warranty.

**07 76 19 00-0001 Composite Insulation Concrete Protection Board** (07 76 19)

Note: Manufactured by T. Clear Corp. 25 year warranty.

07 76 19 00-0002	SF	2" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF	3.16	
		<i>For 20 Year Warranty, Deduct</i>	-0.20	
		<i>For 15 Year Warranty, Deduct</i>	-0.41	
		<i>For 10 Year Warranty, Deduct</i>	-0.55	
		<i>For Winds &gt;90 MPH To 120 MPH Warranty, Add</i>	0.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 76 19 00-0003 SF 3" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF.....	4.17	
<i>For 20 Year Warranty, Deduct</i>	-0.29	
<i>For 15 Year Warranty, Deduct</i>	-0.58	
<i>For 10 Year Warranty, Deduct</i>	-0.79	
<i>For Winds &gt;90 MPH To 120 MPH Warranty, Add</i>	0.10	
07 76 19 00-0004 SF 2" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF .....	4.89	
<i>For 20 Year Warranty, Deduct</i>	-0.33	
<i>For 15 Year Warranty, Deduct</i>	-0.67	
<i>For 10 Year Warranty, Deduct</i>	-0.91	
<i>For Winds &gt;90 MPH To 120 MPH Warranty, Add</i>	0.10	
07 76 19 00-0005 SF 3" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF .....	5.94	
<i>For 20 Year Warranty, Deduct</i>	-0.42	
<i>For 15 Year Warranty, Deduct</i>	-0.85	
<i>For 10 Year Warranty, Deduct</i>	-1.14	
<i>For Winds &gt;90 MPH To 120 MPH Warranty, Add</i>	0.10	

**07 80 Fire And Smoke Protection** (07)

**07 81 Applied Fireproofing** (07 80)

Note: Includes bonding agents as required.

**07 81 16 Cementitious Fireproofing** (07 81)

**07 81 16 00-0001 Monokote Fireproofing** (07 81 16)

07 81 16 00-0002 SF Monokote Fireproofing For Ceiling/Decking, Per Inch Of Thickness.....	1.24	0.34
07 81 16 00-0003 SF Monokote Fireproofing For Structural Steel, Per Inch Of Thickness.....	1.64	0.50

**07 81 16 00-0004 Gunite Fireproofing** (07 81 16)

07 81 16 00-0005 SF Fireproofing, Gunite, Non Reinforced, 1" Thick .....	2.40	0.33
07 81 16 00-0006 SF Fireproofing, Gunite, Reinforced, 1" Thick.....	3.60	0.33

**07 81 23 Intumescent Fireproofing** (07 81)

**07 81 23 00-0001 Intumescent Thin Film Fireproofing (Albi Clad TF)** (07 81 23)

**07 81 23 00-0002 Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)** (07 81 23 00-0001)

Note: Excludes primer.

07 81 23 00-0003 SF 1 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF) .....	9.58	
<i>For &gt;10,000, Deduct</i>	-0.93	
07 81 23 00-0004 SF 1-1/2 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF) .....	15.54	
<i>For &gt;10,000, Deduct</i>	-1.52	

**07 81 23 00-0005 Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)** (07 81 23 00-0001)

Note: Excludes primer.

07 81 23 00-0006 SF 1 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) .....	6.13	
<i>For &gt;10,000, Deduct</i>	-0.58	
07 81 23 00-0007 SF 1-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) .....	13.88	
<i>For &gt;10,000, Deduct</i>	-1.35	
07 81 23 00-0008 SF 2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) .....	31.72	
<i>For &gt;10,000, Deduct</i>	-3.14	
07 81 23 00-0009 SF 2-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) .....	43.77	
<i>For &gt;10,000, Deduct</i>	-4.34	
07 81 23 00-0010 SF 3 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) .....	55.81	
<i>For &gt;10,000, Deduct</i>	-5.54	
07 81 23 00-0011 SF 3-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) .....	67.86	
<i>For &gt;10,000, Deduct</i>	-6.74	

**07 81 23 00-0012 Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)** (07 81 23 00-0001)

Note: Excludes primer.

07 81 23 00-0013 SF 1 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF).....	12.64	
<i>For &gt;10,000, Deduct</i>	-1.23	
07 81 23 00-0014 SF 1-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) .....	23.68	
<i>For &gt;10,000, Deduct</i>	-2.33	
07 81 23 00-0015 SF 2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF).....	37.73	
<i>For &gt;10,000, Deduct</i>	-3.74	
07 81 23 00-0016 SF 2-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) .....	52.78	
<i>For &gt;10,000, Deduct</i>	-5.24	
07 81 23 00-0017 SF 3 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF).....	66.83	
<i>For &gt;10,000, Deduct</i>	-6.64	

**07 81 23 00-0018 Intumescent Thin Film Fireproofing (Albi Clad FP)** (07 81 23)

**07 81 23 00-0019 Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)** (07 81 23 00-0018)

Note: Excludes primer.

**07 Thermal And Moisture Protection****07 80 Fire And Smoke Protection****07 81 Applied Fireproofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 81 23 00-0020	SF		1 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) .....	6.09	
			<i>For &gt;10,000, Deduct</i> .....	-0.59	
07 81 23 00-0021	SF		1-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) .....	14.06	
			<i>For &gt;10,000, Deduct</i> .....	-1.38	
07 81 23 00-0022	SF		2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) .....	32.43	
			<i>For &gt;10,000, Deduct</i> .....	-3.22	
07 81 23 00-0023	SF		2-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) .....	44.82	
			<i>For &gt;10,000, Deduct</i> .....	-4.46	
07 81 23 00-0024	SF		3 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) .....	57.22	
			<i>For &gt;10,000, Deduct</i> .....	-5.69	
<b>07 81 33 Mineral-Fiber Fireproofing (07 81)</b>					
07 81 33 00-0001			Cellulose Fireproofing (07 81 33)		
07 81 33 00-0002	SF		Cellulose Fireproofing, Per Inch Of Thickness .....	1.85	0.33
<b>07 84 Firestopping (07 80)</b>					
<b>07 84 13 Penetration Firestopping (07 84)</b>					
<b>07 84 13 16 Penetration Firestopping Devices (07 84 13)</b>					
07 84 13 16-0001			Firestopping Systems For Cable Penetrations (07 84 13 16)		
07 84 13 16-0002			Intumescent Firestop Cable Sleeve For New Installations (07 84 13 16-0001) Note: Includes putty, escutcheon plates, gaskets and bushings.		
07 84 13 16-0003	EA		1" Diameter Intumescent Firestop Sleeve (STI FS100) .....	40.15	
07 84 13 16-0004	EA		2" Diameter Intumescent Firestop Sleeve (STI FS201) .....	59.01	
07 84 13 16-0005	EA		4" Diameter Intumescent Firestop Sleeve (STI FS401) .....	104.88	
07 84 13 16-0006			Intumescent Firestop Cable Pathway For New Or Existing Cable Installations (07 84 13 16-0001) Note: Includes putty and mounting plates.		
07 84 13 16-0007	EA		1-1/64" x 1-1/64" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZD22) .....	86.56	
07 84 13 16-0008	EA		3" x 3" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZDP33FWS) .....	160.79	
07 84 13 16-0009	EA		4" x 4-5/8" Intumescent Firestop Cable Pathway Through Up To 10" Thick Walls (STI EZDP44) .....	305.39	
07 84 13 16-0010			3M Intumescent Firestopping Multi-Trade Pass Through Device (07 84 13 16)		
07 84 13 16-0011	EA		2.5" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD) .....	196.56	
07 84 13 16-0012	EA		4" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP4SD) .....	179.90	
07 84 13 16-0013	EA		4" Diameter Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD) .....	186.23	
07 84 13 16-0014			Intumescent Firestopping Pipe Collar (07 84 13 16)		
07 84 13 16-0015	EA		1-1/2" Intumescent Firestop Pipe Collar (3M ULTRAPPD1.5) .....	28.65	7.08
07 84 13 16-0016	EA		2" Intumescent Firestop Pipe Collar (3M ULTRAPPD2.0) .....	35.63	7.08
07 84 13 16-0017	EA		3" Intumescent Firestop Pipe Collar (3M ULTRAPPD3.0) .....	41.79	7.79
07 84 13 16-0018	EA		4" Intumescent Firestop Pipe Collar (3M ULTRAPPD4.0) .....	67.89	8.85
07 84 13 16-0019	EA		8" Intumescent Firestop Pipe Collar (Hilti CP644 8") .....	357.99	10.62
07 84 13 16-0020	EA		10" Intumescent Firestop Pipe Collar (Hilti CP644 10") .....	464.03	11.68
07 84 13 16-0021			Fire Rated Enclosures (Fire Rated Product Specialties Corp.) (07 84 13 16) Note: Includes fasteners. Excludes additional perimeter caulk where required. See CSI section 07 84 43 00-0001 for perimeter sealant caulk where required.		
07 84 13 16-0022	EA		12.2" Wide x 20.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9) .....	76.12	
			Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.		
07 84 13 16-0023	EA		15.2" Wide x 16.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-15-16-9) .....	82.03	
			Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.		
07 84 13 16-0024	EA		11.8" Wide x 19.8" Long x 9.12" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9-EXH) .....	176.73	
			Note: Includes 4" duct connector. For use with bathroom ventilation and exhaust fans.		
07 84 13 16-0025	EA		14.0" Wide x 14.0" Long x 3.2" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-14-14-3) .....	108.02	
			Note: Used for shut-off valves, shower and tub valves, washer boxes, icemaker water feeds, speakers, controls, junction boxes, etc.		
07 84 13 16-0026			Intumescent Firestopping Wrap Strips (07 84 13 16)		
07 84 13 16-0027	LF		1/8" Thick, 1-1/2" Wide, Intumescent Firestopping Wrap Strip (STI SpecSeal SSW Series) .....	5.22	

**07 84 13 19 Penetration Firestopping Caulk (07 84 13)**



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0001				<b>Intumescent Firestopping For Sealing Pipe Penetrations</b> <small>(07 84 13 19)</small>		
				Note: Includes firestop caulk and batt for floor or ceiling penetration or one side of a wall penetration. 1/2" thick caulk for annular spaces 1" and less. 1" thick caulk for annular spaces 1-1/4" or more.		
07 84 13 19-0002	EA			1" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant .....	8.00	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	0.06	
07 84 13 19-0003	EA			1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant .....	10.21	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	0.32	
07 84 13 19-0004	EA			1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant .....	10.01	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	0.24	
07 84 13 19-0005	EA			1-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant .....	9.68	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	0.10	
07 84 13 19-0006	EA			2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant .....	12.30	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	0.68	
07 84 13 19-0007	EA			2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant .....	12.10	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	0.60	
07 84 13 19-0008	EA			2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant .....	11.77	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	0.46	
07 84 13 19-0009	EA			2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant .....	11.25	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	0.26	
07 84 13 19-0010	EA			2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant .....	10.81	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	0.08	
07 84 13 19-0011	EA			2.5" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant .....	15.40	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	1.14	
07 84 13 19-0012	EA			2.5" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant .....	15.21	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	1.06	
07 84 13 19-0013	EA			2.5" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant .....	14.87	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	0.92	
07 84 13 19-0014	EA			2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant .....	14.35	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	0.72	
07 84 13 19-0015	EA			2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant .....	13.91	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	0.54	
07 84 13 19-0016	EA			2.5" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant .....	12.87	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	0.12	
07 84 13 19-0017	EA			3" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant .....	23.37	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	3.06	
07 84 13 19-0018	EA			3" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant .....	19.77	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	1.62	
07 84 13 19-0019	EA			3" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant .....	19.43	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	1.49	
07 84 13 19-0020	EA			3" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant .....	18.91	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	1.28	
07 84 13 19-0021	EA			3" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant .....	18.48	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	1.11	
07 84 13 19-0022	EA			3" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant .....	17.43	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	0.69	
07 84 13 19-0023	EA			3" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant .....	16.09	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	0.15	
07 84 13 19-0024	EA			4" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant .....	33.76	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	5.65	
07 84 13 19-0025	EA			4" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant .....	33.39	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	5.50	
07 84 13 19-0026	EA			4" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant .....	32.80	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	5.27	
07 84 13 19-0027	EA			4" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant .....	31.87	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	4.90	
07 84 13 19-0028	EA			4" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant .....	31.08	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	4.58	
07 84 13 19-0029	EA			4" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant .....	24.95	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	2.13	
07 84 13 19-0030	EA			4" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant .....	23.60	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	1.59	
07 84 13 19-0031	EA			4" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant .....	21.55	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	0.77	
07 84 13 19-0032	EA			6" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant .....	60.08	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	13.04	
07 84 13 19-0033	EA			6" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant .....	59.72	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	12.90	
07 84 13 19-0034	EA			6" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant .....	59.12	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	12.66	
07 84 13 19-0035	EA			6" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant .....	58.19	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	12.28	
07 84 13 19-0036	EA			6" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant .....	57.40	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	11.97	
07 84 13 19-0037	EA			6" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant .....	55.53	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	11.22	
07 84 13 19-0038	EA			6" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant .....	53.10	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	10.25	
07 84 13 19-0039	EA			6" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant .....	49.42	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	8.78	
07 84 13 19-0040	EA			6" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant .....	35.57	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	3.24	
07 84 13 19-0041	EA			8" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant .....	84.87	
				<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	20.60	

**07 Thermal And Moisture Protection****07 80 Fire And Smoke Protection****07 84 Firestopping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0042 EA 8" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant .....	81.18	
<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	19.12	
07 84 13 19-0043 EA 8" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant .....	73.80	
<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	16.17	
07 84 13 19-0044 EA 8" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant .....	43.67	
<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	4.12	
07 84 13 19-0045 EA 10" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant.....	112.94	
<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	29.47	
07 84 13 19-0046 EA 10" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant.....	91.03	
<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	20.71	
07 84 13 19-0047 EA 10" Diameter Hole With 8" Pipe, Sealed With Intumescent Firestop Sealant.....	52.36	
<i>For Intumescent Sealant For Plastic Pipe, Add</i> .....	5.24	
<b>07 84 13 19-0048 Smoke, Noise And Infectious/Dust Control Sealant For Sealing Pipe Penetrations</b> <sup>(07 84 13 19)</sup>		
Note: Includes sealant and fiberglass or mineral wool batt for floor, ceiling or wall penetrations.		
07 84 13 19-0049 EA 1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	9.69	
07 84 13 19-0050 EA 1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	9.61	
07 84 13 19-0051 EA 1-1/2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	9.51	
07 84 13 19-0052 EA 2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	11.17	
07 84 13 19-0053 EA 2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	11.10	
07 84 13 19-0054 EA 2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	10.99	
07 84 13 19-0055 EA 2" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	10.83	
07 84 13 19-0056 EA 2" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	10.69	
07 84 13 19-0057 EA 2.5" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	13.54	
07 84 13 19-0058 EA 2.5" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	13.47	
07 84 13 19-0059 EA 2.5" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	13.36	
07 84 13 19-0060 EA 2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	13.20	
07 84 13 19-0061 EA 2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	13.06	
07 84 13 19-0062 EA 2.5" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	12.70	
07 84 13 19-0063 EA 3" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	17.16	
07 84 13 19-0064 EA 3" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	17.09	
07 84 13 19-0065 EA 3" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	16.98	
07 84 13 19-0066 EA 3" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	16.82	
07 84 13 19-0067 EA 3" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	16.68	
07 84 13 19-0068 EA 3" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	16.32	
07 84 13 19-0069 EA 3" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	15.82	
07 84 13 19-0070 EA 4" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	22.33	
07 84 13 19-0071 EA 4" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	22.25	
07 84 13 19-0072 EA 4" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	22.15	
07 84 13 19-0073 EA 4" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	21.97	
07 84 13 19-0074 EA 4" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	21.80	
07 84 13 19-0075 EA 4" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	21.44	
07 84 13 19-0076 EA 4" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	20.99	
07 84 13 19-0077 EA 4" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	20.28	
07 84 13 19-0078 EA 6" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	33.69	
07 84 13 19-0079 EA 6" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	33.62	
07 84 13 19-0080 EA 6" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	33.51	
07 84 13 19-0081 EA 6" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	33.35	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0082	EA			6" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	33.21	
07 84 13 19-0083	EA			6" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	32.85	
07 84 13 19-0084	EA			6" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	32.36	
07 84 13 19-0085	EA			6" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	31.69	
07 84 13 19-0086	EA			6" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	30.23	
07 84 13 19-0087	EA			8" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	43.20	
07 84 13 19-0088	EA			8" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	42.52	
07 84 13 19-0089	EA			8" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	41.07	
07 84 13 19-0090	EA			8" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	36.94	
07 84 13 19-0091	EA			10" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	53.31	
07 84 13 19-0092	EA			10" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	49.18	
07 84 13 19-0093	EA			10" Diameter Hole With 8" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	43.72	

**07 84 16 Annular Space Firestopping Protection (07 84)**

07 84 16 00-0001				Intumescent Firestopping For Electrical Outlet Boxes (07 84 16)		
07 84 16 00-0002				Intumescent Putty Pads For Wrapping Outlet Box Exteriors (07 84 16 00-0001)		
07 84 16 00-0003	EA			1 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	18.93	
07 84 16 00-0004	EA			2 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	30.80	
07 84 16 00-0005	EA			3 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	31.58	
07 84 16 00-0006	EA			4 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	32.37	
07 84 16 00-0007	EA			5 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	33.15	
07 84 16 00-0008	EA			6 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	45.02	
07 84 16 00-0009				Intumescent Firestop Gasket For Wall Plates (07 84 16 00-0001)		
07 84 16 00-0010	EA			Single Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66276).....	6.60	
07 84 16 00-0011	EA			Double Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66274).....	7.07	
07 84 16 00-0012	EA			Single Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66272).....	6.21	
07 84 16 00-0013	EA			Double Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66270).....	7.11	
07 84 16 00-0014	EA			Single Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66266).....	6.76	
07 84 16 00-0015	EA			Double Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66265).....	6.27	
07 84 16 00-0016				Intumescent Fire Barrier Pillows For Sealing Large Openings (07 84 16)		
07 84 16 00-0017	EA			2" x 4" x 9" Intumescent Fire Barrier Pillow (3M FB249).....	29.01	
07 84 16 00-0018	EA			2" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB269).....	31.28	
07 84 16 00-0019	EA			3" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB369).....	34.08	
07 84 16 00-0020				Intumescent Fire Barrier Sheets For Sealing Large Openings (07 84 16)		
				Note: Price includes intumescent sheet, mounting fasteners and caulk for sealing one side of an opening.		
07 84 16 00-0021	EA			16" x 28" Intumescent Firestop Sheet (3M CS-195+16x28).....	235.49	
07 84 16 00-0022	EA			36" x 24" Intumescent Firestop Sheet (3M CS-195+3x2).....	352.02	
07 84 16 00-0023	EA			36" x 36" Intumescent Firestop Sheet (3M CS-195+3x3).....	493.73	
07 84 16 00-0024				Endothermic Mat Wrap Fire Barrier (07 84 16)		
				Note: Price includes endothermic mat wrap and sealant. Excludes cavity fill material; putty or fireproof caulk/sealant. See CSI section 07 84 16 00-0026 for filling openings.		
07 84 16 00-0025	SF			0.408" Thick Aluminum Foil Faced Endothermic Mat (3M Interam E-5A-4).....	31.54	
07 84 16 00-0026				Firestopping Caulk For Filling Opening (07 84 16)		
07 84 16 00-0027	GAL			Latex Based Intumescent Fire Barrier Sealant (3M CP-25WB+).....	135.99	
07 84 16 00-0028				Firestopping Mortar For Filling Opening (07 84 16)		
07 84 16 00-0029	CF			Light-Weight Portland Cement-Based Firestop Mortar (STI SpecSeal SSM Series).....	133.17	

**07 84 23 Silicone Firestopping Foams (07 84)**

07 84 23 00-0001				Silicone RTV Foam Seal For Blank Openings (07 84 23)		
07 84 23 00-0002	EA			2" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam.....	22.66	
07 84 23 00-0003	EA			4" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam.....	63.98	
07 84 23 00-0004	EA			6" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam.....	125.21	
07 84 23 00-0005	EA			8" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam.....	205.38	



**07 Thermal And Moisture Protection****07 80 Fire And Smoke Protection****07 84 Firestopping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 23 00-0006	EA		10" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam.....	306.48	
07 84 23 00-0007	EA		12" Diameter Hole Sealed With RTV Silicone Fire Barrier Foam.....	426.61	
<b>07 84 43 Joint Firestopping (07 84)</b>					
<b>07 84 43 00-0001 Intumescent Firestopping Sealant For Joints (3M CP 25WB+) (07 84 43)</b>					
07 84 43 00-0002	CLF		1/4" x 1/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+) .....	184.45	35.34
			For Up To 6 CLF, Add	11.18	
			For >30 CLF, Deduct	-13.14	
07 84 43 00-0003	CLF		1/4" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+) .....	223.70	35.34
			For Up To 4 CLF, Add	14.13	
			For >20 CLF, Deduct	-17.07	
07 84 43 00-0004	CLF		1/4" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+) .....	266.85	36.52
			For Up To 3 CLF, Add	17.27	
			For >15 CLF, Deduct	-21.19	
07 84 43 00-0005	CLF		3/8" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+) .....	286.47	36.52
			For Up To 2.5 CLF, Add	18.74	
			For >13 CLF, Deduct	-23.15	
07 84 43 00-0006	CLF		3/8" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+) .....	345.31	36.52
			For Up To 2 CLF, Add	23.15	
			For >10 CLF, Deduct	-29.03	
07 84 43 00-0007	CLF		3/8" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+) .....	404.15	36.52
			For Up To 1.5 CLF, Add	27.56	
			For >8 CLF, Deduct	-34.92	
07 84 43 00-0008	CLF		3/8" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+) .....	466.91	38.09
			For Up To 1.3 CLF, Add	32.17	
			For >7 CLF, Deduct	-41.00	
07 84 43 00-0009	CLF		1/2" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+) .....	427.68	38.09
			For Up To 1.4 CLF, Add	29.23	
			For >7.5 CLF, Deduct	-37.08	
07 84 43 00-0010	CLF		1/2" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+) .....	510.07	39.26
			For Up To 1.15 CLF, Add	35.31	
			For >6 CLF, Deduct	-45.12	
07 84 43 00-0011	CLF		1/2" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+) .....	588.53	39.26
			For Up To 1 CLF, Add	41.20	
			For >5 CLF, Deduct	-52.96	
07 84 43 00-0012	CLF		1/2" x 7/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+) .....	670.91	40.45
			For Up To 0.8 CLF, Add	47.28	
			For >4.5 CLF, Deduct	-61.01	
07 84 43 00-0013	CLF		1/2" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+) .....	753.29	42.02
			For Up To 0.75 CLF, Add	53.36	
			For >4 CLF, Deduct	-69.05	
07 84 43 00-0014	CLF		3/4" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+) .....	835.67	43.19
			For Up To 0.65 CLF, Add	59.44	
			For >3.5 CLF, Deduct	-77.09	
07 84 43 00-0015	CLF		3/4" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+) .....	1,082.82	47.12
			For Up To 0.5 CLF, Add	77.68	
			For >2.5 CLF, Deduct	-101.21	
			For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	141.22	
07 84 43 00-0016	CLF		1" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+) .....	1,412.35	52.23
			For Up To 0.4 CLF, Add	102.00	
			For >2 CLF, Deduct	-133.38	
<b>07 84 43 00-0017 Latex-Based, Intumescent Firestop Sealant For Joints (STI SSS Series) (07 84)</b>					
07 84 43 00-0018	CLF		1/4" x 1/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) .....	195.37	35.34
			For Up To 6 CLF, Add	12.00	
			For >30 CLF, Deduct	-14.24	
07 84 43 00-0019	CLF		1/4" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) .....	240.06	35.34
			For Up To 4 CLF, Add	15.35	
			For >20 CLF, Deduct	-18.71	
07 84 43 00-0020	CLF		1/4" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) .....	288.67	36.52
			For Up To 3 CLF, Add	18.90	
			For >15 CLF, Deduct	-23.37	
07 84 43 00-0021	CLF		3/8" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) .....	311.01	36.52
			For Up To 2.5 CLF, Add	20.58	
			For >13 CLF, Deduct	-25.60	
07 84 43 00-0022	CLF		3/8" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) .....	378.03	36.52
			For Up To 2 CLF, Add	25.60	
			For >10 CLF, Deduct	-32.31	
07 84 43 00-0023	CLF		3/8" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) .....	445.06	36.52
			For Up To 1.5 CLF, Add	30.63	
			For >8 CLF, Deduct	-39.01	
07 84 43 00-0024	CLF		3/8" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) .....	516.00	38.09
			For Up To 1.3 CLF, Add	35.85	
			For >7 CLF, Deduct	-45.91	
07 84 43 00-0025	CLF		1/2" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) .....	471.32	38.09
			For Up To 1.4 CLF, Add	32.50	
			For >7.5 CLF, Deduct	-41.44	
07 84 43 00-0026	CLF		1/2" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) .....	564.61	39.26
			For Up To 1.15 CLF, Add	39.40	
			For >6 CLF, Deduct	-50.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0027 CLF 1/2" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 1 CLF, Add</i> <i>For &gt;5 CLF, Deduct</i>	653.98 46.10 -59.51	39.26
07 84 43 00-0028 CLF 1/2" x 7/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 0.8 CLF, Add</i> <i>For &gt;4.5 CLF, Deduct</i>	747.27 53.00 -68.64	40.45
07 84 43 00-0029 CLF 1/2" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 0.75 CLF, Add</i> <i>For &gt;4 CLF, Deduct</i>	840.55 59.90 -77.77	42.02
07 84 43 00-0030 CLF 3/4" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 0.65 CLF, Add</i> <i>For &gt;3.5 CLF, Deduct</i>	933.85 66.80 -86.91	43.19
07 84 43 00-0031 CLF 3/4" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 0.5 CLF, Add</i> <i>For &gt;2.5 CLF, Deduct</i>	1,213.72 87.50 -114.30	47.12
07 84 43 00-0032 CLF 1" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 0.4 CLF, Add</i> <i>For &gt;2 CLF, Deduct</i>	1,586.88 115.09 -150.84	52.23
<b>07 84 43 00-0033 Passive Smoke And Fire Protection Sealant For Joints (STI ES Series)</b> <sup>(07 84 43)</sup>		
07 84 43 00-0034 CLF 1/4" x 1/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 6 CLF, Add</i> <i>For &gt;30 CLF, Deduct</i>	152.23 8.77 -9.92	35.34
07 84 43 00-0035 CLF 1/4" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 4 CLF, Add</i> <i>For &gt;20 CLF, Deduct</i>	175.34 10.50 -12.23	35.34
07 84 43 00-0036 CLF 1/4" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 3 CLF, Add</i> <i>For &gt;15 CLF, Deduct</i>	202.39 12.43 -14.74	36.52
07 84 43 00-0037 CLF 3/8" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 2.5 CLF, Add</i> <i>For &gt;13 CLF, Deduct</i>	213.94 13.30 -15.90	36.52
07 84 43 00-0038 CLF 3/8" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 2 CLF, Add</i> <i>For &gt;10 CLF, Deduct</i>	248.61 15.90 -19.36	36.52
07 84 43 00-0039 CLF 3/8" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 1.5 CLF, Add</i> <i>For &gt;8 CLF, Deduct</i>	283.28 18.50 -22.83	36.52
07 84 43 00-0040 CLF 3/8" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 1.3 CLF, Add</i> <i>For &gt;7 CLF, Deduct</i>	321.86 21.29 -26.49	38.09
07 84 43 00-0041 CLF 1/2" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 1.4 CLF, Add</i> <i>For &gt;7.5 CLF, Deduct</i>	298.75 19.56 -24.18	38.09
07 84 43 00-0042 CLF 1/2" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 1.15 CLF, Add</i> <i>For &gt;6 CLF, Deduct</i>	348.90 23.22 -29.00	39.26
07 84 43 00-0043 CLF 1/2" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 1 CLF, Add</i> <i>For &gt;5 CLF, Deduct</i>	395.13 26.69 -33.62	39.26
07 84 43 00-0044 CLF 1/2" x 7/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 0.8 CLF, Add</i> <i>For &gt;4.5 CLF, Deduct</i>	445.28 30.35 -38.44	40.45
07 84 43 00-0045 CLF 1/2" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 0.75 CLF, Add</i> <i>For &gt;4 CLF, Deduct</i>	495.42 34.02 -43.26	42.02
07 84 43 00-0046 CLF 3/4" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 0.65 CLF, Add</i> <i>For &gt;3.5 CLF, Deduct</i>	545.58 37.68 -48.08	43.19
07 84 43 00-0047 CLF 3/4" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 0.5 CLF, Add</i> <i>For &gt;2.5 CLF, Deduct</i>	696.02 48.67 -62.53	47.12
07 84 43 00-0048 CLF 1" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 0.4 CLF, Add</i> <i>For &gt;2 CLF, Deduct</i>	896.62 63.32 -81.81	52.23

**07 84 56 Fire Safing** <sup>(07 84)</sup>

**07 Thermal And Moisture Protection****07 80 Fire And Smoke Protection****07 84 Firestopping**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**07 84 56 13 Fibrous Fire Safing (07 84 56)**

<b>07 84 56 13-0001</b>	<b>Thermal Barrier Wrap (07 84 56 13)</b>		
	Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
07 84 56 13-0002	SF 1/2" Thick Fire Barrier Plenum Wrap (3M Plenum Wrap 5A) .....	7.53	
	For Work In Restricted Working Space, Add	0.77	
07 84 56 13-0003	SF 1-1/2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 15A).....	12.87	
	Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
	For Work In Restricted Working Space, Add	0.77	
07 84 56 13-0004	SF 2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 20A).....	14.16	
	Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
	For Work In Restricted Working Space, Add	0.77	
<b>07 84 56 13-0005</b>	<b>FireMaster Blanket Wrap Fireproofing (07 84 56 13)</b>		
07 84 56 13-0006	SF 1/2" Thermal Ceramics FireMaster Blanket Wrap .....	10.44	5.23
	For Work In Restricted Working Space, Add	2.10	
	For >500 To 5,000, Deduct	-1.14	
	For >5,000, Deduct	-1.97	
07 84 56 13-0007	SF 1" Thermal Ceramics FireMaster Blanket Wrap .....	13.29	5.23
	For Work In Restricted Working Space, Add	2.10	
	For >500 To 5,000, Deduct	-1.80	
	For >5,000, Deduct	-3.03	
07 84 56 13-0008	SF 1-1/2" Thermal Ceramics FireMaster Blanket Wrap .....	16.42	5.23
	For Work In Restricted Working Space, Add	2.10	
	For >500 To 5,000, Deduct	-2.52	
	For >5,000, Deduct	-4.19	
07 84 56 13-0009	SF 2" Thermal Ceramics FireMaster Blanket Wrap .....	19.55	5.23
	For Work In Restricted Working Space, Add	2.10	
	For >500 To 5,000, Deduct	-3.24	
	For >5,000, Deduct	-5.34	

**07 90 Joint Protection (07)****07 91 Preformed Joint Seals (07 90)****07 91 23 Backer Rods (07 91)**

<b>07 91 23 00-0001</b>	<b>Backer Rods (07 91 23)</b>		
07 91 23 00-0002	LF 1/4" Polyethylene Or Polyurethane Backer Rod .....	0.86	0.26
07 91 23 00-0003	LF 3/8" Polyethylene Or Polyurethane Backer Rod .....	0.93	0.26
07 91 23 00-0004	LF 1/2" Polyethylene Or Polyurethane Backer Rod .....	1.01	0.26
07 91 23 00-0005	LF 5/8" Polyethylene Or Polyurethane Backer Rod .....	1.09	0.26
07 91 23 00-0006	LF 3/4" Polyethylene Or Polyurethane Backer Rod .....	1.13	0.31
07 91 23 00-0007	LF 7/8" Polyethylene Or Polyurethane Backer Rod .....	1.21	0.31
07 91 23 00-0008	LF 1" Polyethylene Or Polyurethane Backer Rod .....	1.37	0.31
07 91 23 00-0009	LF 1-1/4" Polyethylene Or Polyurethane Backer Rod .....	1.53	0.37
07 91 23 00-0010	LF 1-1/2" Polyethylene Or Polyurethane Backer Rod .....	1.74	0.42
07 91 23 00-0011	LF 2" Polyethylene Or Polyurethane Backer Rod .....	2.12	0.47
07 91 23 00-0012	LF 3" Polyethylene Or Polyurethane Backer Rod .....	3.51	0.58

**07 91 26 Joint Fillers (07 91)**

<b>07 91 26 00-0001</b>	<b>Butyl Rubber Fillers (07 91 26)</b>		
07 91 26 00-0002	LF 1/4" x 1/4" Butyl Rubber Filler .....	1.07	0.31
	For Custom Match Coloring, Add	0.00	
07 91 26 00-0003	LF 1/2" x 1/2" Butyl Rubber Filler .....	3.08	0.90
	For Custom Match Coloring, Add	0.02	
07 91 26 00-0004	LF 1/2" x 3/4" Butyl Rubber Filler .....	3.54	0.95
	For Custom Match Coloring, Add	0.03	
07 91 26 00-0005	LF 3/4" x 3/4" Butyl Rubber Filler .....	3.63	1.01
07 91 26 00-0006	LF 1" x 1" Butyl Rubber Filler .....	4.29	1.84

**07 91 26 00-0007 Closed Cell Neoprene (07 91 26)**

07 91 26 00-0008	CLF 1/8" x 3" Neoprene Gasket Closed Cell, Adhesive.....	216.84	60.87
07 91 26 00-0009	CLF 1/8" x 6" Neoprene Gasket Closed Cell, Adhesive.....	376.80	87.93
07 91 26 00-0010	CLF 1/4" x 3" Neoprene Gasket Closed Cell, Adhesive.....	286.38	75.38
07 91 26 00-0011	CLF 1/4" x 6" Neoprene Gasket Closed Cell, Adhesive.....	352.15	79.12
07 91 26 00-0012	CLF 1/2" x 6" Neoprene Gasket Closed Cell, Adhesive.....	535.57	121.74
07 91 26 00-0013	CLF 1/2" x 9" Neoprene Gasket Closed Cell, Adhesive.....	633.46	131.87
07 91 26 00-0014	CLF 1/2" x 12" Neoprene Gasket Closed Cell, Adhesive.....	641.93	95.90

**07 91 26 00-0015 Closed Cell Polyvinyl Chloride (07 91 26)**

07 91 26 00-0016	CLF 1/8" x 3" Polyethylene Joint Backing, Closed Cell.....	225.37	75.38
07 91 26 00-0017	CLF 1/8" x 6" Polyethylene Joint Backing, Closed Cell.....	428.00	121.74
07 91 26 00-0018	CLF 1/4" x 3" Polyethylene Joint Backing, Closed Cell.....	308.18	103.92
07 91 26 00-0019	CLF 1/4" x 6" Polyethylene Joint Backing, Closed Cell.....	406.20	109.71
07 91 26 00-0020	CLF 1/2" x 6" Polyethylene Joint Backing, Closed Cell.....	615.70	168.27



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 26 00-0021	CLF		1/2" x 9" Polyethylene Joint Backing, Closed Cell .....	751.98	182.62
07 91 26 00-0022	CLF		1/2" x 12" Polyethylene Joint Backing, Closed Cell .....	1,046.07	218.91
<b>07 91 26 00-0023</b>			<b>Silicon RTV Foam Penetration Seal</b> (07 91 26)		
07 91 26 00-0024	CLF		1/4" x 1/2" Silicon RTV Foam Seal .....	107.65	12.08
07 91 26 00-0025	CLF		1/2" x 1/2" Silicon RTV Foam Seal .....	215.29	24.11
07 91 26 00-0026	CLF		1/2" x 3/4" Silicon RTV Foam Seal .....	321.60	35.82
07 91 26 00-0027	CLF		3/4" x 3/4" Silicon RTV Foam Seal .....	464.35	48.27
07 91 26 00-0028	CLF		1/8" x 1" Silicon RTV Foam Seal .....	107.65	12.08
07 91 26 00-0029	CLF		1/8" x 3" Silicon RTV Foam Seal .....	321.39	35.71
07 91 26 00-0030	CLF		1/4" x 3" Silicon RTV Foam Seal .....	583.38	53.65
07 91 26 00-0031	CLF		1/4" x 6" Silicon RTV Foam Seal .....	1,165.86	106.92
07 91 26 00-0032	CLF		1/2" x 6" Silicon RTV Foam Seal .....	2,259.04	193.00
07 91 26 00-0033	CLF		1/2" x 9" Silicon RTV Foam Seal .....	3,427.36	301.50
07 91 26 00-0034	CLF		1/2" x 12" Silicon RTV Foam Seal .....	4,845.91	482.43
<b>07 91 26 00-0035</b>			<b>Seals O-Ring Type Cord "J-Seal"</b> (07 91 26)		
07 91 26 00-0036	LF		1/4" Seals O-Ring Cord, J-Seal .....	2.26	0.68
07 91 26 00-0037	LF		1/2" Seals O-Ring Cord, J-Seal .....	2.40	0.68
07 91 26 00-0038	LF		3/4" Seals O-Ring Cord, J-Seal .....	2.55	0.73
07 91 26 00-0039	LF		1" Seals O-Ring Cord, J-Seal .....	2.72	0.79
07 91 26 00-0040	LF		1-1/4" Seals O-Ring Cord, J-Seal .....	2.94	0.85
07 91 26 00-0041	LF		1-1/2" Seals O-Ring Cord, J-Seal .....	3.10	0.85
07 91 26 00-0042	LF		1-3/4" Seals O-Ring Cord, J-Seal .....	3.31	0.90
07 91 26 00-0043	LF		2" Seals O-Ring Cord, J-Seal .....	3.46	0.90
<b>07 91 33</b>			<b>Expansion Joint Seal Systems</b> (07 91)		
07 91 33 00-0001			<b>Expansion Joint Seal Systems (Wabo®)</b> (07 91 33)		
07 91 33 00-0002			<b>Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® HSeal)</b> (07 91 33 00-0001)		
			Note: Includes a pre-compressed seal, epoxy adhesive and traffic grade elastomeric top coating.		
07 91 33 00-0003	LF		1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 25EH) .....	47.06	2.51
07 91 33 00-0004	LF		3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 40EH) .....	65.01	2.64
07 91 33 00-0005	LF		1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 50EH) .....	83.95	2.75
07 91 33 00-0006	LF		1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 65EH) .....	105.05	2.88
07 91 33 00-0007	LF		1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 75EH) .....	138.36	2.99
07 91 33 00-0008	LF		1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 90EH) .....	159.84	3.11
07 91 33 00-0009	LF		2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 100EH) .....	186.55	3.24
07 91 33 00-0010			<b>Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal Systems (Wabo® CompressionSeal)</b> (07 91 33 00-0001)		
			Note: Includes preformed neoprene joint seal and lubricant adhesive.		
07 91 33 00-0011	LF		0.625" Minimum, 1.381" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-162) .....	20.61	2.51
07 91 33 00-0012	LF		0.688" Minimum, 1.488" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-175) .....	23.04	2.55
07 91 33 00-0013	LF		0.875" Minimum, 1.700" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-200) .....	29.26	2.59
07 91 33 00-0014	LF		0.953" Minimum, 1.913" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-225) .....	31.37	2.64
07 91 33 00-0015	LF		1.000" Minimum, 2.125" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-250) .....	33.91	2.67
07 91 33 00-0016	LF		1.125" Minimum, 2.550" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-300) .....	43.18	2.71
07 91 33 00-0017	LF		1.375" Minimum, 2.975" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-350) .....	54.92	2.75
07 91 33 00-0018	LF		1.625" Minimum, 3.400" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-400) .....	66.03	2.88
07 91 33 00-0019	LF		1.687" Minimum, 4.250" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-500) .....	75.50	2.99
07 91 33 00-0020			<b>Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal Systems (Wabo® CompressionSeal)</b> (07 91 33 00-0001)		
			Note: Includes preformed Santoprene® joint seal and lubricant adhesive.		
07 91 33 00-0021	LF		0.500" Minimum, 1.500" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-100) .....	16.10	2.51
07 91 33 00-0022	LF		0.688" Minimum, 1.938" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-225) .....	22.71	2.64

**07 Thermal And Moisture Protection****07 90 Joint Protection****07 91 Preformed Joint Seals**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 33 00-0023 LF 1.063" Minimum, 2.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-250).....	29.21	2.75
07 91 33 00-0024 LF 1.250" Minimum, 2.563" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-300).....	31.11	2.81
07 91 33 00-0025 LF 1.250" Minimum, 3.375" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-400).....	35.20	2.88
07 91 33 00-0026 LF 1.438" Minimum, 4.250" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-500).....	53.69	2.99
07 91 33 00-0027 LF 1.813" Minimum, 5.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-600).....	76.63	3.11
<b>07 91 33 00-0028 Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® Seismic WeatherSeal) (07 91 33 00-0001)</b> Note: Includes a pre-compressed foam seal and silicone sealant.		
07 91 33 00-0029 LF 1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-100).....	18.33	1.00
07 91 33 00-0030 LF 3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-150).....	31.80	1.04
07 91 33 00-0031 LF 1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-200).....	48.69	1.08
07 91 33 00-0032 LF 1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-250).....	61.82	1.11
07 91 33 00-0033 LF 1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-300).....	81.88	1.15
07 91 33 00-0034 LF 1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-350).....	108.88	1.20
07 91 33 00-0035 LF 2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-400).....	133.94	1.24
07 91 33 00-0036 LF 2-1/2" Minimum, 7-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-500).....	181.30	1.28
07 91 33 00-0037 LF 3" Minimum, 9" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-600).....	211.96	1.32
<b>07 91 33 00-0038 Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal Systems (Wabo® WeatherSeal II) (07 91 33 00-0001)</b> Note: Includes a pre-compressed foam seal and silicone sealant.		
07 91 33 00-0039 LF 0.75" Minimum, 1.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-100).....	17.84	1.00
07 91 33 00-0040 LF 1.13" Minimum, 1.88" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-150).....	24.00	1.04
07 91 33 00-0041 LF 1.50" Minimum, 2.50" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-200).....	32.73	1.08
07 91 33 00-0042 LF 1.88" Minimum, 3.13" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-250).....	45.01	1.11
07 91 33 00-0043 LF 2.25" Minimum, 3.75" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-300).....	51.54	1.15
07 91 33 00-0044 LF 2.63" Minimum, 4.38" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-350).....	72.21	1.20
07 91 33 00-0045 LF 3.00" Minimum, 5.00" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-400).....	97.63	1.24
07 91 33 00-0046 LF 3.75" Minimum, 6.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-500).....	105.52	1.28
<b>07 92 Joint Sealants (07 90)</b>		
<b>07 92 13 Elastomeric Joint Sealants (07 92)</b>		
<b>07 92 13 00-0001 Silicone Sealants And Caulking (07 92 13)</b>		
07 92 13 00-0002 CLF 1/4" x 1/4" Joint, Silicone Sealant And Caulking.....	144.89	35.34
For Custom Match Coloring, Add	9.33	
For Up To 6 CLF, Add	8.22	
For >30 CLF, Deduct	-9.19	
For 1 Part Mildew Resistant, Add	13.61	
For High-Modulus Non-Acid Curing, Add	7.78	
07 92 13 00-0003 CLF 1/4" x 3/8" Joint, Silicone Sealant And Caulking.....	164.33	35.34
For Custom Match Coloring, Add	14.00	
For Up To 4 CLF, Add	9.67	
For >20 CLF, Deduct	-11.13	
For 1 Part Mildew Resistant, Add	20.41	
For High-Modulus Non-Acid Curing, Add	11.66	
07 92 13 00-0004 CLF 1/4" x 1/2" Joint, Silicone Sealant And Caulking.....	187.69	36.52
For Custom Match Coloring, Add	18.66	
For Up To 3 CLF, Add	11.33	
For >15 CLF, Deduct	-13.27	
For 1 Part Mildew Resistant, Add	27.21	
For High-Modulus Non-Acid Curing, Add	15.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0005 CLF 3/8" x 3/8" Joint, Silicone Sealant And Caulking .....	197.41	36.52
For Custom Match Coloring, Add	20.99	
For Up To 2.5 CLF, Add	12.06	
For >13 CLF, Deduct	-14.24	
For 1 Part Mildew Resistant, Add	30.61	
For High-Modulus Non-Acid Curing, Add	17.49	
07 92 13 00-0006 CLF 3/8" x 1/2" Joint, Silicone Sealant And Caulking .....	226.57	36.52
For Custom Match Coloring, Add	27.99	
For Up To 2 CLF, Add	14.24	
For >10 CLF, Deduct	-17.16	
For 1 Part Mildew Resistant, Add	40.82	
For High-Modulus Non-Acid Curing, Add	23.33	
07 92 13 00-0007 CLF 3/8" x 5/8" Joint, Silicone Sealant And Caulking .....	255.73	36.52
For Custom Match Coloring, Add	34.99	
For Up To 1.5 CLF, Add	16.43	
For >8 CLF, Deduct	-20.08	
For 1 Part Mildew Resistant, Add	51.03	
For High-Modulus Non-Acid Curing, Add	29.16	
07 92 13 00-0008 CLF 3/8" x 3/4" Joint, Silicone Sealant And Caulking .....	288.81	38.09
For Custom Match Coloring, Add	41.99	
For Up To 1.3 CLF, Add	18.81	
For >7 CLF, Deduct	-23.19	
For 1 Part Mildew Resistant, Add	61.23	
For High-Modulus Non-Acid Curing, Add	34.99	
07 92 13 00-0009 CLF 1/2" x 1/2" Joint, Silicone Sealant And Caulking .....	269.37	38.09
For Custom Match Coloring, Add	37.32	
For Up To 1.4 CLF, Add	17.36	
For >7.5 CLF, Deduct	-21.24	
For 1 Part Mildew Resistant, Add	54.43	
For High-Modulus Non-Acid Curing, Add	31.10	
07 92 13 00-0010 CLF 1/2" x 5/8" Joint, Silicone Sealant And Caulking .....	312.18	39.26
For Custom Match Coloring, Add	46.65	
For Up To 1.15 CLF, Add	20.47	
For >6 CLF, Deduct	-25.33	
For 1 Part Mildew Resistant, Add	68.04	
For High-Modulus Non-Acid Curing, Add	38.88	
07 92 13 00-0011 CLF 1/2" x 3/4" Joint, Silicone Sealant And Caulking .....	351.05	39.26
For Custom Match Coloring, Add	55.98	
For Up To 1 CLF, Add	23.38	
For >5 CLF, Deduct	-29.22	
For 1 Part Mildew Resistant, Add	81.64	
For High-Modulus Non-Acid Curing, Add	46.65	
07 92 13 00-0012 CLF 1/2" x 7/8" Joint, Silicone Sealant And Caulking .....	393.86	40.45
For Custom Match Coloring, Add	65.31	
For Up To 0.8 CLF, Add	26.50	
For >4.5 CLF, Deduct	-33.30	
For 1 Part Mildew Resistant, Add	95.25	
For High-Modulus Non-Acid Curing, Add	54.43	
07 92 13 00-0013 CLF 1/2" x 1" Joint, Silicone Sealant And Caulking .....	436.66	42.02
For Custom Match Coloring, Add	74.64	
For Up To 0.75 CLF, Add	29.61	
For >4 CLF, Deduct	-37.38	
For 1 Part Mildew Resistant, Add	108.86	
For High-Modulus Non-Acid Curing, Add	62.20	
07 92 13 00-0014 CLF 3/4" x 3/4" Joint, Silicone Sealant And Caulking .....	479.46	43.19
For Custom Match Coloring, Add	83.97	
For Up To 0.65 CLF, Add	32.72	
For >3.5 CLF, Deduct	-41.47	
For 1 Part Mildew Resistant, Add	122.46	
For High-Modulus Non-Acid Curing, Add	69.98	
07 92 13 00-0015 CLF 3/4" x 1" Joint, Silicone Sealant And Caulking .....	607.88	47.12
For Custom Match Coloring, Add	111.97	
For Up To 0.5 CLF, Add	42.06	
For >2.5 CLF, Deduct	-53.72	
For 1 Part Mildew Resistant, Add	163.29	
For High-Modulus Non-Acid Curing, Add	93.31	
07 92 13 00-0016 CLF 1" x 1" Joint, Silicone Sealant And Caulking .....	779.08	52.23
For Custom Match Coloring, Add	149.29	
For Up To 0.4 CLF, Add	54.50	
For >2 CLF, Deduct	-70.06	
For 1 Part Mildew Resistant, Add	217.71	
For High-Modulus Non-Acid Curing, Add	124.41	
<b>07 92 13 00-0017 Acrylic/Latex Sealant And Caulking (07 92 13)</b>		
07 92 13 00-0018 CLF 1/4" x 1/4" Joint, Acrylic/Latex Sealant And Caulking .....	119.65	35.34
For Up To 6 CLF, Add	6.32	
For >30 CLF, Deduct	-6.66	
07 92 13 00-0019 CLF 1/4" x 3/8" Joint, Acrylic/Latex Sealant And Caulking .....	126.47	35.34
For Up To 4 CLF, Add	6.84	
For >20 CLF, Deduct	-7.35	
07 92 13 00-0020 CLF 1/4" x 1/2" Joint, Acrylic/Latex Sealant And Caulking .....	137.22	36.52
For Up To 3 CLF, Add	7.54	
For >15 CLF, Deduct	-8.23	

**07 Thermal And Moisture Protection****07 90 Joint Protection****07 92 Joint Sealants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0021	CLF		3/8" x 3/8" Joint, Acrylic/Latex Sealant And Caulking ..... <i>For Up To 2.5 CLF, Add</i> <i>For &gt;13 CLF, Deduct</i>	140.63 7.80 -8.57	36.52
07 92 13 00-0022	CLF		3/8" x 1/2" Joint, Acrylic/Latex Sealant And Caulking ..... <i>For Up To 2 CLF, Add</i> <i>For &gt;10 CLF, Deduct</i>	150.86 8.57 -9.59	36.52
07 92 13 00-0023	CLF		3/8" x 5/8" Joint, Acrylic/Latex Sealant And Caulking ..... <i>For Up To 1.5 CLF, Add</i> <i>For &gt;8 CLF, Deduct</i>	161.09 9.33 -10.61	36.52
07 92 13 00-0024	CLF		3/8" x 3/4" Joint, Acrylic/Latex Sealant And Caulking ..... <i>For Up To 1.3 CLF, Add</i> <i>For &gt;7 CLF, Deduct</i>	175.24 10.30 -11.83	38.09
07 92 13 00-0025	CLF		1/2" x 1/2" Joint, Acrylic/Latex Sealant And Caulking ..... <i>For Up To 1.4 CLF, Add</i> <i>For &gt;7.5 CLF, Deduct</i>	168.42 9.79 -11.15	38.09
07 92 13 00-0026	CLF		1/2" x 5/8" Joint, Acrylic/Latex Sealant And Caulking ..... <i>For Up To 1.15 CLF, Add</i> <i>For &gt;6 CLF, Deduct</i>	185.99 11.00 -12.71	39.26
07 92 13 00-0027	CLF		1/2" x 3/4" Joint, Acrylic/Latex Sealant And Caulking ..... <i>For Up To 1 CLF, Add</i> <i>For &gt;5 CLF, Deduct</i>	199.63 12.03 -14.07	39.26
07 92 13 00-0028	CLF		1/2" x 7/8" Joint, Acrylic/Latex Sealant And Caulking ..... <i>For Up To 0.8 CLF, Add</i> <i>For &gt;4.5 CLF, Deduct</i>	217.20 13.25 -15.63	40.45
07 92 13 00-0029	CLF		1/2" x 1" Joint, Acrylic/Latex Sealant And Caulking ..... <i>For Up To 0.75 CLF, Add</i> <i>For &gt;4 CLF, Deduct</i>	234.76 14.47 -17.19	42.02
07 92 13 00-0030	CLF		3/4" x 3/4" Joint, Acrylic/Latex Sealant And Caulking ..... <i>For Up To 0.65 CLF, Add</i> <i>For &gt;3.5 CLF, Deduct</i>	252.32 15.68 -18.75	43.19
07 92 13 00-0031	CLF		3/4" x 1" Joint, Acrylic/Latex Sealant And Caulking ..... <i>For Up To 0.5 CLF, Add</i> <i>For &gt;2.5 CLF, Deduct</i>	305.02 19.34 -23.43	47.12
07 92 13 00-0032	CLF		1" x 1" Joint, Acrylic/Latex Sealant And Caulking ..... <i>For Up To 0.4 CLF, Add</i> <i>For &gt;2 CLF, Deduct</i>	375.28 24.22 -29.68	52.23
07 92 13 00-0033			<b>Flexible Polysulfide Sealant And Caulking, Clear</b> (07 92 13) Note: 1 or 2 part, non-sag.		
07 92 13 00-0034	CLF		1/4" x 1/4" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 6 CLF, Add</i> <i>For &gt;30 CLF, Deduct</i>	138.66 7.75 -8.57	35.34
07 92 13 00-0035	CLF		1/4" x 3/8" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 4 CLF, Add</i> <i>For &gt;20 CLF, Deduct</i>	155.00 8.97 -10.20	35.34
07 92 13 00-0036	CLF		1/4" x 1/2" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 3 CLF, Add</i> <i>For &gt;15 CLF, Deduct</i>	175.25 10.40 -12.03	36.52
07 92 13 00-0037	CLF		3/8" x 3/8" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 2.5 CLF, Add</i> <i>For &gt;13 CLF, Deduct</i>	183.41 11.01 -12.84	36.52
07 92 13 00-0038	CLF		3/8" x 1/2" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 2 CLF, Add</i> <i>For &gt;10 CLF, Deduct</i>	207.91 12.84 -15.29	36.52
07 92 13 00-0039	CLF		3/8" x 5/8" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 1.5 CLF, Add</i> <i>For &gt;8 CLF, Deduct</i>	232.40 14.68 -17.74	36.52
07 92 13 00-0040	CLF		3/8" x 3/4" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 1.3 CLF, Add</i> <i>For &gt;7 CLF, Deduct</i>	260.80 16.71 -20.39	38.09
07 92 13 00-0041	CLF		1/2" x 1/2" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 1.4 CLF, Add</i> <i>For &gt;7.5 CLF, Deduct</i>	244.48 15.49 -18.76	38.09
07 92 13 00-0042	CLF		1/2" x 5/8" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 1.15 CLF, Add</i> <i>For &gt;6 CLF, Deduct</i>	281.07 18.14 -22.22	39.26
07 92 13 00-0043	CLF		1/2" x 3/4" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 1 CLF, Add</i> <i>For &gt;5 CLF, Deduct</i>	313.72 20.58 -25.48	39.26
07 92 13 00-0044	CLF		1/2" x 7/8" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 0.8 CLF, Add</i> <i>For &gt;4.5 CLF, Deduct</i>	350.31 23.23 -28.95	40.45
07 92 13 00-0045	CLF		1/2" x 1" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 0.75 CLF, Add</i> <i>For &gt;4 CLF, Deduct</i>	386.87 25.87 -32.41	42.02
07 92 13 00-0046	CLF		3/4" x 3/4" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 0.65 CLF, Add</i> <i>For &gt;3.5 CLF, Deduct</i>	423.47 28.52 -35.87	43.19
07 92 13 00-0047	CLF		3/4" x 1" Joint, Polysulfide Sealant And Caulking ..... <i>For Up To 0.5 CLF, Add</i> <i>For &gt;2.5 CLF, Deduct</i>	533.20 36.46 -46.25	47.12



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0048			<b>Polyurethane Sealant And Caulking</b> <small>(07 92 13)</small>		
			Note: 1 or 2 part, non-sag.		
07 92 13 00-0049	CLF		1/4" x 1/4" Joint, Polyurethane Sealant And Caulking .....	135.83	35.34
			For Up To 6 CLF, Add	7.54	
			For >30 CLF, Deduct	-8.28	
07 92 13 00-0050	CLF		1/4" x 3/8" Joint, Polyurethane Sealant And Caulking .....	150.74	35.34
			For Up To 4 CLF, Add	8.66	
			For >20 CLF, Deduct	-9.77	
07 92 13 00-0051	CLF		1/4" x 1/2" Joint, Polyurethane Sealant And Caulking .....	169.58	36.52
			For Up To 3 CLF, Add	9.97	
			For >15 CLF, Deduct	-11.46	
07 92 13 00-0052	CLF		3/8" x 3/8" Joint, Polyurethane Sealant And Caulking .....	177.03	36.52
			For Up To 2.5 CLF, Add	10.53	
			For >13 CLF, Deduct	-12.21	
07 92 13 00-0053	CLF		3/8" x 1/2" Joint, Polyurethane Sealant And Caulking .....	199.39	36.52
			For Up To 2 CLF, Add	12.21	
			For >10 CLF, Deduct	-14.44	
07 92 13 00-0054	CLF		3/8" x 5/8" Joint, Polyurethane Sealant And Caulking .....	221.76	36.52
			For Up To 1.5 CLF, Add	13.88	
			For >8 CLF, Deduct	-16.68	
07 92 13 00-0055	CLF		3/8" x 3/4" Joint, Polyurethane Sealant And Caulking .....	248.04	38.09
			For Up To 1.3 CLF, Add	15.76	
			For >7 CLF, Deduct	-19.11	
07 92 13 00-0056	CLF		1/2" x 1/2" Joint, Polyurethane Sealant And Caulking .....	233.13	38.09
			For Up To 1.4 CLF, Add	14.64	
			For >7.5 CLF, Deduct	-17.62	
07 92 13 00-0057	CLF		1/2" x 5/8" Joint, Polyurethane Sealant And Caulking .....	266.88	39.26
			For Up To 1.15 CLF, Add	17.07	
			For >6 CLF, Deduct	-20.80	
07 92 13 00-0058	CLF		1/2" x 3/4" Joint, Polyurethane Sealant And Caulking .....	296.69	39.26
			For Up To 1 CLF, Add	19.31	
			For >5 CLF, Deduct	-23.78	
07 92 13 00-0059	CLF		1/2" x 7/8" Joint, Polyurethane Sealant And Caulking .....	330.44	40.45
			For Up To 0.8 CLF, Add	21.74	
			For >4.5 CLF, Deduct	-26.96	
07 92 13 00-0060	CLF		1/2" x 1" Joint, Polyurethane Sealant And Caulking .....	364.18	42.02
			For Up To 0.75 CLF, Add	24.17	
			For >4 CLF, Deduct	-30.14	
07 92 13 00-0061	CLF		3/4" x 3/4" Joint, Polyurethane Sealant And Caulking .....	397.93	43.19
			For Up To 0.65 CLF, Add	26.61	
			For >3.5 CLF, Deduct	-33.31	
07 92 13 00-0062	CLF		3/4" x 1" Joint, Polyurethane Sealant And Caulking .....	499.16	47.12
			For Up To 0.5 CLF, Add	33.90	
			For >2.5 CLF, Deduct	-42.85	
07 92 13 00-0063			<b>Flexible Polyurethane Security Sealant And Caulking</b> <small>(07 92 13)</small>		
			Note: 1 or 2 part, non-sag.		
07 92 13 00-0064	CLF		1/4" x 1/4" Joint, Flexible Polyurethane Security Sealant And Caulking .....	145.58	35.34
			For Up To 6 CLF, Add	8.27	
			For >30 CLF, Deduct	-9.26	
07 92 13 00-0065	CLF		1/4" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking .....	165.37	35.34
			For Up To 4 CLF, Add	9.75	
			For >20 CLF, Deduct	-11.24	
07 92 13 00-0066	CLF		1/4" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking .....	189.09	36.52
			For Up To 3 CLF, Add	11.43	
			For >15 CLF, Deduct	-13.41	
07 92 13 00-0067	CLF		3/8" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking .....	198.98	36.52
			For Up To 2.5 CLF, Add	12.18	
			For >13 CLF, Deduct	-14.40	
07 92 13 00-0068	CLF		3/8" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking .....	228.66	36.52
			For Up To 2 CLF, Add	14.40	
			For >10 CLF, Deduct	-17.37	
07 92 13 00-0069	CLF		3/8" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking .....	258.34	36.52
			For Up To 1.5 CLF, Add	16.63	
			For >8 CLF, Deduct	-20.34	
07 92 13 00-0070	CLF		3/8" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking .....	291.94	38.09
			For Up To 1.3 CLF, Add	19.05	
			For >7 CLF, Deduct	-23.50	
07 92 13 00-0071	CLF		1/2" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking .....	272.16	38.09
			For Up To 1.4 CLF, Add	17.57	
			For >7.5 CLF, Deduct	-21.52	
07 92 13 00-0072	CLF		1/2" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking .....	315.66	39.26
			For Up To 1.15 CLF, Add	20.73	
			For >6 CLF, Deduct	-25.68	
07 92 13 00-0073	CLF		1/2" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking .....	355.23	39.26
			For Up To 1 CLF, Add	23.70	
			For >5 CLF, Deduct	-29.63	
07 92 13 00-0074	CLF		1/2" x 7/8" Joint, Flexible Polyurethane Security Sealant And Caulking .....	398.74	40.45
			For Up To 0.8 CLF, Add	26.86	
			For >4.5 CLF, Deduct	-33.79	
07 92 13 00-0075	CLF		1/2" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking .....	442.23	42.02
			For Up To 0.75 CLF, Add	30.03	
			For >4 CLF, Deduct	-37.94	



**07 Thermal And Moisture Protection****07 90 Joint Protection****07 92 Joint Sealants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0076	CLF		3/4" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking .....	485.74	43.19
			For Up To 0.65 CLF, Add	33.19	
			For >3.5 CLF, Deduct	-42.10	
07 92 13 00-0077	CLF		3/4" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking .....	616.24	47.12
			For Up To 0.5 CLF, Add	42.68	
			For >2.5 CLF, Deduct	-54.56	
<b>07 92 19 Acoustical Joint Sealants (07 92)</b>					
<b>07 92 19 00-0001 Acoustical Sealant (07 92 19)</b>					
07 92 19 00-0002	CLF		1/4" x 1/4" Joint, Acoustical Sealant.....	134.61	35.34
			For Custom Match Coloring, Add	6.86	
			For Up To 6 CLF, Add	7.45	
			For >30 CLF, Deduct	-8.16	
			For 1 Part Mildew Resistant, Add	10.01	
			For High-Modulus Non-Acid Curing, Add	5.72	
07 92 19 00-0003	CLF		1/4" x 3/8" Joint, Acoustical Sealant.....	145.47	35.34
			For Custom Match Coloring, Add	9.47	
			For Up To 4 CLF, Add	8.26	
			For >20 CLF, Deduct	-9.25	
			For 1 Part Mildew Resistant, Add	13.81	
			For High-Modulus Non-Acid Curing, Add	7.89	
07 92 19 00-0004	CLF		1/4" x 1/2" Joint, Acoustical Sealant.....	155.80	36.52
			For Custom Match Coloring, Add	11.01	
			For Up To 3 CLF, Add	8.94	
			For >15 CLF, Deduct	-10.08	
			For 1 Part Mildew Resistant, Add	16.05	
			For High-Modulus Non-Acid Curing, Add	9.17	
07 92 19 00-0005	CLF		3/8" x 3/8" Joint, Acoustical Sealant.....	173.57	36.52
			For Custom Match Coloring, Add	15.27	
			For Up To 2.5 CLF, Add	10.27	
			For >13 CLF, Deduct	-11.86	
			For 1 Part Mildew Resistant, Add	22.27	
			For High-Modulus Non-Acid Curing, Add	12.73	
07 92 19 00-0006	CLF		3/8" x 1/2" Joint, Acoustical Sealant.....	192.04	36.52
			For Custom Match Coloring, Add	19.70	
			For Up To 2 CLF, Add	11.65	
			For >10 CLF, Deduct	-13.71	
			For 1 Part Mildew Resistant, Add	28.74	
			For High-Modulus Non-Acid Curing, Add	16.42	
07 92 19 00-0007	CLF		1/2" x 1/2" Joint, Acoustical Sealant.....	229.54	38.09
			For Custom Match Coloring, Add	27.76	
			For Up To 1.4 CLF, Add	14.37	
			For >7.5 CLF, Deduct	-17.26	
			For 1 Part Mildew Resistant, Add	40.49	
			For High-Modulus Non-Acid Curing, Add	23.14	
<b>07 95 Expansion Control (07 90)</b>					
<b>07 95 13 Expansion Joint Cover Assemblies (07 95)</b>					
Note: Includes necessary waterproofing mastics/caulking.					
<b>07 95 13 13 Interior Expansion Joint Cover Assemblies (07 95 13)</b>					
<b>07 95 13 13-0001 Interior Floor Expansion Joint Cover Assemblies (07 95 13 13)</b>					
<b>07 95 13 13-0002 With 1" Space (07 95 13 13-0001)</b>					
07 95 13 13-0003	LF		Aluminum Expansion Joint Cover, 1" Opening Floor Assembly Type.....	43.29	3.88
07 95 13 13-0004	LF		Bronze Expansion Joint Cover, 1" Opening Floor Assembly Type .....	46.59	3.88
07 95 13 13-0005	LF		Stainless Steel Expansion Joint Cover, 1" Opening Floor Assembly Type .....	66.35	3.88
<b>07 95 13 13-0006 With 2" Space (07 95 13 13-0001)</b>					
07 95 13 13-0007	LF		Aluminum Expansion Joint Cover, 2" Opening Floor Assembly Type.....	56.40	3.88
07 95 13 13-0008	LF		Bronze Expansion Joint Cover, 2" Opening Floor Assembly Type .....	56.44	3.88
07 95 13 13-0009	LF		Stainless Steel Expansion Joint Cover, 2" Opening Floor Assembly Type .....	91.00	3.88
<b>07 95 13 13-0010 Interior Ceiling And Wall Expansion Joint Cover Assemblies (07 95 13 13)</b>					
<b>07 95 13 13-0011 With 1" Space (07 95 13 13-0010)</b>					
07 95 13 13-0012	LF		Aluminum Expansion Joint Cover, 1" Opening Ceiling And Wall Assembly Type.....	30.17	3.88
07 95 13 13-0013	LF		Bronze Expansion Joint Cover, 1" Opening Ceiling And Wall Assembly Type .....	36.75	3.88
07 95 13 13-0014	LF		Stainless Steel Expansion Joint Cover, 1" Opening Ceiling And Wall Assembly Type .....	54.03	3.88
<b>07 95 13 13-0015 With 2" Space (07 95 13 13-0010)</b>					
07 95 13 13-0016	LF		Aluminum Expansion Joint Cover, 2" Opening Ceiling And Wall Assembly Type.....	38.04	3.88
07 95 13 13-0017	LF		Bronze Expansion Joint Cover, 2" Opening Ceiling And Wall Assembly Type .....	41.67	3.88
07 95 13 13-0018	LF		Stainless Steel Expansion Joint Cover, 2" Opening Ceiling And Wall Assembly Type .....	66.35	3.88



<b>Thermal And Moisture Protection</b>	<b>07</b>	<b>07</b>
Joint Protection	07 90	
Expansion Control	07 95	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>07 95 13 16 Exterior Expansion Joint Cover Assemblies</b> <small>(07 95 13)</small>		
07 95 13 16-0001 Exterior Roof Aluminum Expansion Joint Cover Assemblies <small>(07 95 13 16)</small>		
07 95 13 16-0002 Roof To Roof <small>(07 95 13 16-0001)</small>		
07 95 13 16-0003 LF Exterior Roof To Roof Expansion Joint, 1" Opening Aluminum Assemblies .....	53.62	2.59
07 95 13 16-0004 LF Exterior Roof To Roof Expansion Joint, 2" Opening Aluminum Assemblies .....	64.66	2.59
07 95 13 16-0005 LF Exterior Roof To Roof Expansion Joint, 3" Opening Aluminum Assemblies .....	72.27	2.59
 07 95 13 16-0006 Roof To Wall <small>(07 95 13 16-0001)</small>		
07 95 13 16-0007 LF Exterior Roof To Wall Expansion Joint, 1" Opening Aluminum Assemblies.....	39.94	2.59
07 95 13 16-0008 LF Exterior Roof To Wall Expansion Joint, 2" Opening Aluminum Assemblies.....	53.46	2.59
 07 95 13 16-0009 Flat Wall To Wall <small>(07 95 13 16-0001)</small>		
07 95 13 16-0010 LF Exterior Wall To Wall Expansion Joint, 1" Opening Aluminum Assemblies .....	29.71	2.59
07 95 13 16-0011 LF Exterior Wall To Wall Expansion Joint, 2" Opening Aluminum Assemblies .....	37.82	2.59
07 95 13 16-0012 LF Exterior Wall To Wall Expansion Joint, 3" Opening Aluminum Assemblies .....	47.61	2.59
 07 95 13 16-0013 Corner To Flat Wall <small>(07 95 13 16-0001)</small>		
07 95 13 16-0014 LF Exterior Corner To Wall Expansion Joint, 1" Opening Aluminum Assemblies .....	27.99	2.59
07 95 13 16-0015 LF Exterior Corner To Wall Expansion Joint, 2" Opening Aluminum Assemblies .....	33.39	2.59
07 95 13 16-0016 LF Exterior Corner To Wall Expansion Joint, 3" Opening Aluminum Assemblies .....	48.59	2.59

**END OF SECTION 07**

**07 Thermal And Moisture Protection**

07 90 Joint Protection

07 95 Expansion Control



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 08 Openings

### 08 01 Operation And Maintenance Of Openings <sup>(08)</sup>

#### 08 01 50 Operation And Maintenance Of Windows <sup>(08 01)</sup>

##### 08 01 52 Operation and Maintenance of Wood Windows <sup>(08 01 50)</sup>

##### 08 01 52 61 Wood Window Repairs <sup>(08 01 52)</sup>

08 01 52 61-0001	EA	Window Restoration And Replacement <sup>(08 01 52 61)</sup>	4.70
08 01 52 61-0002	EA	Removal And Replacement Of Sash Guides	14.14
08 01 52 61-0003	EA	Removal And Replacement Of Window Arms	17.32
08 01 52 61-0004	EA	Removal And Replacement Of Window Crank Operator	10.06
08 01 52 61-0005	EA	Removal And Replacement Of Brass Window Sash Pull	8.60
08 01 52 61-0006	EA	Removal And Replacement Of Brass Window Sash Lock	11.24
08 01 52 61-0007	EA	Removal And Replacement Of Window Balance, Removable Sash Window Note: Channel, spiral or coil balance.	30.90
08 01 52 61-0008	EA	Removal And Replacement Of Window Balance, Sash Window Including The Removal And Replacement Of Wooden Stops And/Or Casing Note: Channel, spiral or coil balance. <i>For Replacing Two Balances In One Window, Deduct</i>	-10.85

#### 08 01 80 Maintenance of Glazing <sup>(08 01)</sup>

##### 08 01 81 Maintenance of Glass Glazing <sup>(08 01 80)</sup>

##### 08 01 81 00-0001 Glazing Compound Repair <sup>(08 01 81)</sup>

08 01 81 00-0002	LF	Removal And Replacement Of Up To 1/2" Wide Damaged, Broken Or Cracked Window Glazing	3.19
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### 08 05 Common Work Results For Openings <sup>(08)</sup>

#### 08 05 13 Door Options And Modifications <sup>(08 05)</sup>

Note: Excludes removal and reinstallation of door.

##### 08 05 13 00-0001 Door Vision Panels (Pemko LT-S1) <sup>(08 05 13)</sup>

Note: Factory primed or powder coated. See CSI section 08 81 00 00-0000 for glazing.

08 05 13 00-0002	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	82.15
08 05 13 00-0003	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	103.99
08 05 13 00-0004	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	120.63
08 05 13 00-0005	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	153.91
08 05 13 00-0006	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	199.66
08 05 13 00-0007	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	254.78
08 05 13 00-0008	EA	For >10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	270.38
08 05 13 00-0009	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	113.97
08 05 13 00-0010	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	137.77
08 05 13 00-0011	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	156.82
08 05 13 00-0012	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	191.00
08 05 13 00-0013	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	236.53
08 05 13 00-0014	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	290.57
08 05 13 00-0015	EA	For >10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	308.67

##### 08 05 13 00-0016 Door Louvers, Inverted "Y" 50% Free Air (Pemko LV-IY) <sup>(08 05 13)</sup>

Note: Factory primed or powder coated.

08 05 13 00-0017	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	101.91
08 05 13 00-0018	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	114.39
08 05 13 00-0019	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	151.83
08 05 13 00-0020	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	241.26
08 05 13 00-0021	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	319.25

**08 Openings****08 05 Common Work Results For Openings****08 05 13 Door Options And Modifications**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 05 13 00-0022 EA For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	397.25	
08 05 13 00-0023 EA For >10 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	452.36	
08 05 13 00-0024 EA For Up To 1 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	131.38	
08 05 13 00-0025 EA For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	146.81	
08 05 13 00-0026 EA For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	187.20	
08 05 13 00-0027 EA For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	279.57	
08 05 13 00-0028 EA For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	360.51	
08 05 13 00-0029 EA For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	441.46	
08 05 13 00-0030 EA For >10 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add.....	499.52	
<b>08 05 13 00-0031 Door Hardware Preparation (08 05 13)</b>		
08 05 13 00-0032 EA Factory Prepare Wood Door (Rated Or Non-Rated) For Mortise Lockset Hardware.....	29.45	
08 05 13 00-0033 EA Prepare Existing Wood Door (Rated) For Mortise Lockset Hardware..... Note: Requires door to be taken off site for UL certification.	72.64	
08 05 13 00-0034 EA Prepare Existing Wood Door (Non-Rated) For Mortise Lockset Hardware.....	33.38	
08 05 13 00-0035 EA Prepare Existing Wood Door (Rated) For Cylindrical Lockset Hardware..... Note: Requires door to be taken off site for UL certification.	58.90	
08 05 13 00-0036 EA Prepare Existing Wood Door (Non-Rated) For Cylindrical Lockset Hardware.....	9.81	
08 05 13 00-0037 EA Prepare Existing Wood Door (Rated) For Concealed Vertical Rod..... Note: Requires door to be taken off site for UL certification.	107.99	
08 05 13 00-0038 EA Prepare Existing Wood Door (Non-Rated) For Concealed Vertical Rod.....	68.71	
08 05 13 00-0039 EA Prepare Existing Wood Door (Rated) For Electric Hardware..... Note: Requires door to be taken off site for UL certification.	72.64	
08 05 13 00-0040 EA Prepare Existing Door (Non-Rated) For Electric Hardware.....	33.38	
<b>08 05 13 00-0041 Door Modifications (08 05 13)</b>		
08 05 13 00-0042 EA Removal And Reinstallation Of Door.....	33.40	
08 05 13 00-0043 EA Removal And Reinstallation Of Metal Door Frame.....	65.50	
08 05 13 00-0044 EA Trim Bottom Of Existing Steel Door For Installation Of Carpet Or Tile..... Note: Excludes removal and reinstallation of door.	35.37	
08 05 13 00-0045 EA Modify Metal Door Frame For Door Swing..... Note: Includes removal of door; install blank hinge plates, new continuous hinge, blank strike plate, new strike plate and reinstallation of door.	547.05	
08 05 13 00-0046 EA Factory Installed Sound Proofing (STC 28) In Metal Door.....	117.02	
08 05 13 00-0047 SF For 16 Gauge Steel Metal Plate Bolted On Door..... Note: Includes mounting hardware.	18.18	
08 05 13 00-0048 EA Removal And Reinstallation Of Wood Door Frame.....	39.90	
08 05 13 00-0049 EA Trim Bottom Of Existing Wood Door For Installation Of Carpet Or Tile..... Note: Excludes removal and reinstallation of door.	17.95	
08 05 13 00-0050 EA Factory Trim Wood Door Edge For Custom Width.....	25.94	
<b>08 10 Doors And Frames (08)</b>		
<b>08 11 Metal Doors And Frames (08 10)</b>		
<b>08 11 63 Metal Screen And Storm Doors And Frames (08 11)</b>		
<b>08 11 63 13 Steel Screen And Storm Doors And Frames (08 11 63)</b>		
<b>08 11 63 13-0001 Steel Screen Door (08 11 63 13)</b> Note: Includes frame, trim, necessary anchors and hardware (closures, chain and spring, latching, screens, etc.).		
08 11 63 13-0002 EA 2'-8" x 7' Steel Screen Door, Residential, With Frame, Trim, Hardware.....	668.90	54.03
08 11 63 13-0003 EA 3' x 7' Steel Screen Door, Residential, With Frame, Trim, Hardware.....	672.85	56.00
08 11 63 13-0004 EA Steel Combination Type Residential Storm Door, With Mesh And Tempered Glass With Frame, Trim, Hardware.....	656.30	56.00
<b>08 11 63 23 Aluminum Screen And Storm Doors And Frames (08 11 63)</b>		
<b>08 11 63 23-0001 Aluminum Combination Type With Tempered Glass At Top And Bottom (08 11 63 23)</b> Note: Includes frame trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).		
08 11 63 23-0002 EA Aluminum Combination Type Residential Storm Door, Tempered Glass Top With Frame, Trim, Hardware..... For Special Finished, Add.....	506.83 51.39	31.44
08 11 63 23-0003 EA Aluminum Combination Type Residential Storm Door, Tempered Glass Top And Bottom With Frame, Trim, Hardware.....	535.71	31.44
08 11 63 23-0004 EA Aluminum Screen Door.....	145.73	19.63
08 11 63 23-0005 SF Repair Screen Door.....	4.29	
<b>08 11 73 Sliding Metal Fire Doors (08 11)</b>		



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors And Frames	08 10	
Metal Doors And Frames	08 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 11 73 00-0001</b> Motor Operated Fire Door <small>(08 11 73)</small> Note: With fusible link, 3 hour rating. Excludes electrical hook-up of motor.		
08 11 73 00-0002 EA 3' x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating.....	3,153.62	323.80
08 11 73 00-0003 EA 3' 8" x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating.....	3,437.98	323.80
08 11 73 00-0004 EA 4' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating.....	3,920.64	323.80
08 11 73 00-0005 EA 5' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating.....	4,438.22	323.80

**08 12 Metal Frames** (08 10)

Note: All door frames include perimeter caulk, sealant (as required), anchors and silencers.

**08 12 13 Hollow Metal Frames** (08 12)

**08 12 13 13 Standard Hollow Metal Frames** (08 12 13)

Note: Shop prime coat. See CSI section 04 05 16 26-0017 for grouting frames.

<b>08 12 13 13-0001</b> 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13)</small> Note: For non-rated or fire rated frame assemblies		
<b>08 12 13 13-0002</b> 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0001)</small>		
08 12 13 13-0003 EA 2' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	209.00	29.47
For Auxiliary Frame Reinforcement For Hinges, Add	22.51	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	18.01	
For Type 304 Stainless Steel Frame, Add	273.04	
For Type 316 Stainless Steel Frame, Add	318.05	
For Baked Enamel Finish, Add	53.86	
For 18 Gauge Frame, Deduct	-15.01	
For 14 Gauge Frame, Add	37.51	
For 12 Gauge Frame, Add	57.02	
08 12 13 13-0004 EA 2'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	243.47	32.42
For Auxiliary Frame Reinforcement For Hinges, Add	26.79	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	21.44	
For Type 304 Stainless Steel Frame, Add	324.78	
For Type 316 Stainless Steel Frame, Add	378.37	
For Baked Enamel Finish, Add	63.32	
For 18 Gauge Frame, Deduct	-17.86	
For 14 Gauge Frame, Add	44.66	
For 12 Gauge Frame, Add	67.88	
08 12 13 13-0005 EA 2'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	250.25	34.39
For Auxiliary Frame Reinforcement For Hinges, Add	27.22	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	21.78	
For Type 304 Stainless Steel Frame, Add	330.10	
For Type 316 Stainless Steel Frame, Add	384.55	
For Baked Enamel Finish, Add	64.76	
For 18 Gauge Frame, Deduct	-18.15	
For 14 Gauge Frame, Add	45.37	
For 12 Gauge Frame, Add	68.96	
08 12 13 13-0006 EA 2'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	256.14	37.34
For Auxiliary Frame Reinforcement For Hinges, Add	27.22	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	21.78	
For Type 304 Stainless Steel Frame, Add	330.40	
For Type 316 Stainless Steel Frame, Add	384.84	
For Baked Enamel Finish, Add	65.64	
For 18 Gauge Frame, Deduct	-18.15	
For 14 Gauge Frame, Add	45.37	
For 12 Gauge Frame, Add	68.96	
08 12 13 13-0007 EA 2'-10" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	260.97	38.31
For Auxiliary Frame Reinforcement For Hinges, Add	27.65	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	22.12	
For Type 304 Stainless Steel Frame, Add	335.64	
For Type 316 Stainless Steel Frame, Add	390.95	
For Baked Enamel Finish, Add	66.80	
For 18 Gauge Frame, Deduct	-18.43	
For 14 Gauge Frame, Add	46.09	
For 12 Gauge Frame, Add	70.05	
08 12 13 13-0008 EA 3' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	265.79	39.29
For Auxiliary Frame Reinforcement For Hinges, Add	28.08	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	22.46	
For Type 304 Stainless Steel Frame, Add	340.89	
For Type 316 Stainless Steel Frame, Add	397.05	
For Baked Enamel Finish, Add	67.95	
For 18 Gauge Frame, Deduct	-18.72	
For 14 Gauge Frame, Add	46.80	
For 12 Gauge Frame, Add	71.14	

<b>08</b>	<b>Openings</b>
<b>08 10</b>	<b>Doors And Frames</b>
<b>08 12</b>	<b>Metal Frames</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0009	EA		3'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	282.58	41.26
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	30.01	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	24.01	
			<i>For Type 304 Stainless Steel Frame, Add</i>	364.23	
			<i>For Type 316 Stainless Steel Frame, Add</i>	424.25	
			<i>For Baked Enamel Finish, Add</i>	72.40	
			<i>For 18 Gauge Frame, Deduct</i>	-20.01	
			<i>For 14 Gauge Frame, Add</i>	50.02	
			<i>For 12 Gauge Frame, Add</i>	76.02	
08 12 13 13-0010	EA		3'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	286.51	43.23
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	30.01	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	24.01	
			<i>For Type 304 Stainless Steel Frame, Add</i>	364.43	
			<i>For Type 316 Stainless Steel Frame, Add</i>	424.45	
			<i>For Baked Enamel Finish, Add</i>	72.99	
			<i>For 18 Gauge Frame, Deduct</i>	-20.01	
			<i>For 14 Gauge Frame, Add</i>	50.02	
			<i>For 12 Gauge Frame, Add</i>	76.02	
08 12 13 13-0011	EA		4' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	297.59	45.19
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	31.08	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	24.87	
			<i>For Type 304 Stainless Steel Frame, Add</i>	377.50	
			<i>For Type 316 Stainless Steel Frame, Add</i>	439.66	
			<i>For Baked Enamel Finish, Add</i>	75.72	
			<i>For 18 Gauge Frame, Deduct</i>	-20.72	
			<i>For 14 Gauge Frame, Add</i>	51.80	
			<i>For 12 Gauge Frame, Add</i>	78.74	
08 12 13 13-0012	EA		5' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	308.66	47.16
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	32.15	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	25.72	
			<i>For Type 304 Stainless Steel Frame, Add</i>	390.55	
			<i>For Type 316 Stainless Steel Frame, Add</i>	454.85	
			<i>For Baked Enamel Finish, Add</i>	78.45	
			<i>For 18 Gauge Frame, Deduct</i>	-21.44	
			<i>For 14 Gauge Frame, Add</i>	53.59	
			<i>For 12 Gauge Frame, Add</i>	81.45	
08 12 13 13-0013	EA		5'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	312.59	49.12
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	32.15	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	25.72	
			<i>For Type 304 Stainless Steel Frame, Add</i>	390.74	
			<i>For Type 316 Stainless Steel Frame, Add</i>	455.05	
			<i>For Baked Enamel Finish, Add</i>	79.04	
			<i>For 18 Gauge Frame, Deduct</i>	-21.44	
			<i>For 14 Gauge Frame, Add</i>	53.59	
			<i>For 12 Gauge Frame, Add</i>	81.45	
08 12 13 13-0014	EA		5'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	318.13	50.10
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	32.69	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	26.15	
			<i>For Type 304 Stainless Steel Frame, Add</i>	397.27	
			<i>For Type 316 Stainless Steel Frame, Add</i>	462.64	
			<i>For Baked Enamel Finish, Add</i>	80.41	
			<i>For 18 Gauge Frame, Deduct</i>	-21.79	
			<i>For 14 Gauge Frame, Add</i>	54.48	
			<i>For 12 Gauge Frame, Add</i>	82.81	
08 12 13 13-0015	EA		6' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	323.66	51.08
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	33.23	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	26.58	
			<i>For Type 304 Stainless Steel Frame, Add</i>	403.81	
			<i>For Type 316 Stainless Steel Frame, Add</i>	470.26	
			<i>For Baked Enamel Finish, Add</i>	81.77	
			<i>For 18 Gauge Frame, Deduct</i>	-22.15	
			<i>For 14 Gauge Frame, Add</i>	55.38	
			<i>For 12 Gauge Frame, Add</i>	84.17	
08 12 13 13-0016	EA		7' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	339.92	52.07
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.37	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	28.29	
			<i>For Type 304 Stainless Steel Frame, Add</i>	429.63	
			<i>For Type 316 Stainless Steel Frame, Add</i>	500.37	
			<i>For Baked Enamel Finish, Add</i>	86.36	
			<i>For 18 Gauge Frame, Deduct</i>	-23.58	
			<i>For 14 Gauge Frame, Add</i>	58.95	
			<i>For 12 Gauge Frame, Add</i>	89.60	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Doors And Frames</b>	<b>08 10</b>	
<b>Metal Frames</b>	<b>08 12</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0017 EA 8' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	356.18	53.05
For Auxiliary Frame Reinforcement For Hinges, Add	37.51	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	30.01	
For Type 304 Stainless Steel Frame, Add	455.45	
For Type 316 Stainless Steel Frame, Add	530.47	
For Baked Enamel Finish, Add	90.94	
For 18 Gauge Frame, Deduct	-25.01	
For 14 Gauge Frame, Add	62.52	
For 12 Gauge Frame, Add	95.03	
<b>08 12 13 13-0018 &gt;7'-2" Through 9'-0" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames</b> (08 12 13 13-0001)		
08 12 13 13-0019 EA 2' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	225.67	29.47
For Auxiliary Frame Reinforcement For Hinges, Add	25.01	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	20.01	
For Type 304 Stainless Steel Frame, Add	303.04	
For Type 316 Stainless Steel Frame, Add	353.06	
For Baked Enamel Finish, Add	58.86	
For 18 Gauge Frame, Deduct	-16.67	
For 14 Gauge Frame, Add	41.68	
For 12 Gauge Frame, Add	63.35	
08 12 13 13-0020 EA 2'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	263.31	32.42
For Auxiliary Frame Reinforcement For Hinges, Add	29.77	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	23.82	
For Type 304 Stainless Steel Frame, Add	360.49	
For Type 316 Stainless Steel Frame, Add	420.03	
For Baked Enamel Finish, Add	69.27	
For 18 Gauge Frame, Deduct	-19.85	
For 14 Gauge Frame, Add	49.62	
For 12 Gauge Frame, Add	75.42	
08 12 13 13-0021 EA 2'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	270.42	34.39
For Auxiliary Frame Reinforcement For Hinges, Add	30.25	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	24.20	
For Type 304 Stainless Steel Frame, Add	366.41	
For Type 316 Stainless Steel Frame, Add	426.90	
For Baked Enamel Finish, Add	70.81	
For 18 Gauge Frame, Deduct	-20.17	
For 14 Gauge Frame, Add	50.41	
For 12 Gauge Frame, Add	76.63	
08 12 13 13-0022 EA 2'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	276.31	37.34
For Auxiliary Frame Reinforcement For Hinges, Add	30.25	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	24.20	
For Type 304 Stainless Steel Frame, Add	366.70	
For Type 316 Stainless Steel Frame, Add	427.20	
For Baked Enamel Finish, Add	71.69	
For 18 Gauge Frame, Deduct	-20.17	
For 14 Gauge Frame, Add	50.41	
For 12 Gauge Frame, Add	76.63	
08 12 13 13-0023 EA 2'-10" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	281.45	38.31
For Auxiliary Frame Reinforcement For Hinges, Add	30.72	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	24.58	
For Type 304 Stainless Steel Frame, Add	372.51	
For Type 316 Stainless Steel Frame, Add	433.95	
For Baked Enamel Finish, Add	72.94	
For 18 Gauge Frame, Deduct	-20.48	
For 14 Gauge Frame, Add	51.21	
For 12 Gauge Frame, Add	77.83	
08 12 13 13-0024 EA 3' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	286.59	39.29
For Auxiliary Frame Reinforcement For Hinges, Add	31.20	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	24.96	
For Type 304 Stainless Steel Frame, Add	378.33	
For Type 316 Stainless Steel Frame, Add	440.73	
For Baked Enamel Finish, Add	74.19	
For 18 Gauge Frame, Deduct	-20.80	
For 14 Gauge Frame, Add	52.00	
For 12 Gauge Frame, Add	79.04	
08 12 13 13-0025 EA 3'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	304.81	41.26
For Auxiliary Frame Reinforcement For Hinges, Add	33.34	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	26.67	
For Type 304 Stainless Steel Frame, Add	404.25	
For Type 316 Stainless Steel Frame, Add	470.94	
For Baked Enamel Finish, Add	79.07	
For 18 Gauge Frame, Deduct	-22.23	
For 14 Gauge Frame, Add	55.57	
For 12 Gauge Frame, Add	84.47	



<b>08</b>	<b>Openings</b>
<b>08 10</b>	<b>Doors And Frames</b>
<b>08 12</b>	<b>Metal Frames</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0026	EA		3'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	308.74	43.23
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	33.34	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	26.67	
			<i>For Type 304 Stainless Steel Frame, Add</i>	404.44	
			<i>For Type 316 Stainless Steel Frame, Add</i>	471.13	
			<i>For Baked Enamel Finish, Add</i>	79.65	
			<i>For 18 Gauge Frame, Deduct</i>	-22.23	
			<i>For 14 Gauge Frame, Add</i>	55.57	
			<i>For 12 Gauge Frame, Add</i>	84.47	
08 12 13 13-0027	EA		4' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	320.61	45.19
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	34.53	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	27.63	
			<i>For Type 304 Stainless Steel Frame, Add</i>	418.93	
			<i>For Type 316 Stainless Steel Frame, Add</i>	488.00	
			<i>For Baked Enamel Finish, Add</i>	82.63	
			<i>For 18 Gauge Frame, Deduct</i>	-23.02	
			<i>For 14 Gauge Frame, Add</i>	57.56	
			<i>For 12 Gauge Frame, Add</i>	87.49	
08 12 13 13-0028	EA		5' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	332.48	47.16
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.73	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	28.58	
			<i>For Type 304 Stainless Steel Frame, Add</i>	433.42	
			<i>For Type 316 Stainless Steel Frame, Add</i>	504.87	
			<i>For Baked Enamel Finish, Add</i>	85.60	
			<i>For 18 Gauge Frame, Deduct</i>	-23.82	
			<i>For 14 Gauge Frame, Add</i>	59.54	
			<i>For 12 Gauge Frame, Add</i>	90.50	
08 12 13 13-0029	EA		5'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	336.41	49.12
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.73	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	28.58	
			<i>For Type 304 Stainless Steel Frame, Add</i>	433.62	
			<i>For Type 316 Stainless Steel Frame, Add</i>	505.07	
			<i>For Baked Enamel Finish, Add</i>	86.19	
			<i>For 18 Gauge Frame, Deduct</i>	-23.82	
			<i>For 14 Gauge Frame, Add</i>	59.54	
			<i>For 12 Gauge Frame, Add</i>	90.50	
08 12 13 13-0030	EA		5'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	342.35	50.10
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	36.32	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	29.06	
			<i>For Type 304 Stainless Steel Frame, Add</i>	440.86	
			<i>For Type 316 Stainless Steel Frame, Add</i>	513.50	
			<i>For Baked Enamel Finish, Add</i>	87.67	
			<i>For 18 Gauge Frame, Deduct</i>	-24.21	
			<i>For 14 Gauge Frame, Add</i>	60.54	
			<i>For 12 Gauge Frame, Add</i>	92.01	
08 12 13 13-0031	EA		6' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	348.27	51.08
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	36.92	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	29.53	
			<i>For Type 304 Stainless Steel Frame, Add</i>	448.11	
			<i>For Type 316 Stainless Steel Frame, Add</i>	521.94	
			<i>For Baked Enamel Finish, Add</i>	89.16	
			<i>For 18 Gauge Frame, Deduct</i>	-24.61	
			<i>For 14 Gauge Frame, Add</i>	61.53	
			<i>For 12 Gauge Frame, Add</i>	93.52	
08 12 13 13-0032	EA		7' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	366.11	52.07
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	39.30	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	31.44	
			<i>For Type 304 Stainless Steel Frame, Add</i>	476.77	
			<i>For Type 316 Stainless Steel Frame, Add</i>	555.36	
			<i>For Baked Enamel Finish, Add</i>	94.21	
			<i>For 18 Gauge Frame, Deduct</i>	-26.20	
			<i>For 14 Gauge Frame, Add</i>	65.50	
			<i>For 12 Gauge Frame, Add</i>	99.55	
08 12 13 13-0033	EA		8' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	383.96	53.05
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	41.68	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	33.34	
			<i>For Type 304 Stainless Steel Frame, Add</i>	505.45	
			<i>For Type 316 Stainless Steel Frame, Add</i>	588.81	
			<i>For Baked Enamel Finish, Add</i>	99.27	
			<i>For 18 Gauge Frame, Deduct</i>	-27.79	
			<i>For 14 Gauge Frame, Add</i>	69.47	
			<i>For 12 Gauge Frame, Add</i>	105.59	
08 12 13 13-0034			5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13)</small>		
			Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0035			6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0034)</small>		



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Doors And Frames</b>	<b>08 10</b>	
<b>Metal Frames</b>	<b>08 12</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0036 EA 2' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	225.67	29.47
For Auxiliary Frame Reinforcement For Hinges, Add	25.01	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	20.01	
For Type 304 Stainless Steel Frame, Add	303.04	
For Type 316 Stainless Steel Frame, Add	353.06	
For Baked Enamel Finish, Add	58.86	
For 18 Gauge Frame, Deduct	-16.67	
For 14 Gauge Frame, Add	41.68	
For 12 Gauge Frame, Add	63.35	
08 12 13 13-0037 EA 2'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	263.31	32.42
For Auxiliary Frame Reinforcement For Hinges, Add	29.77	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	23.82	
For Type 304 Stainless Steel Frame, Add	360.49	
For Type 316 Stainless Steel Frame, Add	420.03	
For Baked Enamel Finish, Add	69.27	
For 18 Gauge Frame, Deduct	-19.85	
For 14 Gauge Frame, Add	49.62	
For 12 Gauge Frame, Add	75.42	
08 12 13 13-0038 EA 2'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	270.42	34.39
For Auxiliary Frame Reinforcement For Hinges, Add	30.25	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	24.20	
For Type 304 Stainless Steel Frame, Add	366.41	
For Type 316 Stainless Steel Frame, Add	426.90	
For Baked Enamel Finish, Add	70.81	
For 18 Gauge Frame, Deduct	-20.17	
For 14 Gauge Frame, Add	50.41	
For 12 Gauge Frame, Add	76.63	
08 12 13 13-0039 EA 2'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	276.31	37.34
For Auxiliary Frame Reinforcement For Hinges, Add	30.25	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	24.20	
For Type 304 Stainless Steel Frame, Add	366.70	
For Type 316 Stainless Steel Frame, Add	427.20	
For Baked Enamel Finish, Add	71.69	
For 18 Gauge Frame, Deduct	-20.17	
For 14 Gauge Frame, Add	50.41	
For 12 Gauge Frame, Add	76.63	
08 12 13 13-0040 EA 2'-10" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	281.45	38.31
For Auxiliary Frame Reinforcement For Hinges, Add	30.72	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	24.58	
For Type 304 Stainless Steel Frame, Add	372.51	
For Type 316 Stainless Steel Frame, Add	433.95	
For Baked Enamel Finish, Add	72.94	
For 18 Gauge Frame, Deduct	-20.48	
For 14 Gauge Frame, Add	51.21	
For 12 Gauge Frame, Add	77.83	
08 12 13 13-0041 EA 3' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	286.59	39.29
For Auxiliary Frame Reinforcement For Hinges, Add	31.20	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	24.96	
For Type 304 Stainless Steel Frame, Add	378.33	
For Type 316 Stainless Steel Frame, Add	440.73	
For Baked Enamel Finish, Add	74.19	
For 18 Gauge Frame, Deduct	-20.80	
For 14 Gauge Frame, Add	52.00	
For 12 Gauge Frame, Add	79.04	
08 12 13 13-0042 EA 3'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	304.81	41.26
For Auxiliary Frame Reinforcement For Hinges, Add	33.34	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	26.67	
For Type 304 Stainless Steel Frame, Add	404.25	
For Type 316 Stainless Steel Frame, Add	470.94	
For Baked Enamel Finish, Add	79.07	
For 18 Gauge Frame, Deduct	-22.23	
For 14 Gauge Frame, Add	55.57	
For 12 Gauge Frame, Add	84.47	
08 12 13 13-0043 EA 3'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	308.74	43.23
For Auxiliary Frame Reinforcement For Hinges, Add	33.34	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	26.67	
For Type 304 Stainless Steel Frame, Add	404.44	
For Type 316 Stainless Steel Frame, Add	471.13	
For Baked Enamel Finish, Add	79.65	
For 18 Gauge Frame, Deduct	-22.23	
For 14 Gauge Frame, Add	55.57	
For 12 Gauge Frame, Add	84.47	

<b>08</b>	<b>Openings</b>
<b>08 10</b>	<b>Doors And Frames</b>
<b>08 12</b>	<b>Metal Frames</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0044	EA		4' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	320.61	45.19
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	34.53	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	27.63	
			<i>For Type 304 Stainless Steel Frame, Add</i>	418.93	
			<i>For Type 316 Stainless Steel Frame, Add</i>	488.00	
			<i>For Baked Enamel Finish, Add</i>	82.63	
			<i>For 18 Gauge Frame, Deduct</i>	-23.02	
			<i>For 14 Gauge Frame, Add</i>	57.56	
			<i>For 12 Gauge Frame, Add</i>	87.49	
08 12 13 13-0045	EA		5' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	332.48	47.16
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.73	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	28.58	
			<i>For Type 304 Stainless Steel Frame, Add</i>	433.42	
			<i>For Type 316 Stainless Steel Frame, Add</i>	504.87	
			<i>For Baked Enamel Finish, Add</i>	85.60	
			<i>For 18 Gauge Frame, Deduct</i>	-23.82	
			<i>For 14 Gauge Frame, Add</i>	59.54	
			<i>For 12 Gauge Frame, Add</i>	90.50	
08 12 13 13-0046	EA		5'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	336.41	49.12
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	35.73	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	28.58	
			<i>For Type 304 Stainless Steel Frame, Add</i>	433.62	
			<i>For Type 316 Stainless Steel Frame, Add</i>	505.07	
			<i>For Baked Enamel Finish, Add</i>	86.19	
			<i>For 18 Gauge Frame, Deduct</i>	-23.82	
			<i>For 14 Gauge Frame, Add</i>	59.54	
			<i>For 12 Gauge Frame, Add</i>	90.50	
08 12 13 13-0047	EA		5'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	342.35	50.10
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	36.32	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	29.06	
			<i>For Type 304 Stainless Steel Frame, Add</i>	440.86	
			<i>For Type 316 Stainless Steel Frame, Add</i>	513.50	
			<i>For Baked Enamel Finish, Add</i>	87.67	
			<i>For 18 Gauge Frame, Deduct</i>	-24.21	
			<i>For 14 Gauge Frame, Add</i>	60.54	
			<i>For 12 Gauge Frame, Add</i>	92.01	
08 12 13 13-0048	EA		6' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	348.27	51.08
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	36.92	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	29.53	
			<i>For Type 304 Stainless Steel Frame, Add</i>	448.11	
			<i>For Type 316 Stainless Steel Frame, Add</i>	521.94	
			<i>For Baked Enamel Finish, Add</i>	89.16	
			<i>For 18 Gauge Frame, Deduct</i>	-24.61	
			<i>For 14 Gauge Frame, Add</i>	61.53	
			<i>For 12 Gauge Frame, Add</i>	93.52	
08 12 13 13-0049	EA		7' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	366.11	52.07
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	39.30	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	31.44	
			<i>For Type 304 Stainless Steel Frame, Add</i>	476.77	
			<i>For Type 316 Stainless Steel Frame, Add</i>	555.36	
			<i>For Baked Enamel Finish, Add</i>	94.21	
			<i>For 18 Gauge Frame, Deduct</i>	-26.20	
			<i>For 14 Gauge Frame, Add</i>	65.50	
			<i>For 12 Gauge Frame, Add</i>	99.55	
08 12 13 13-0050	EA		8' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	383.96	53.05
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	41.68	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	33.34	
			<i>For Type 304 Stainless Steel Frame, Add</i>	505.45	
			<i>For Type 316 Stainless Steel Frame, Add</i>	588.81	
			<i>For Baked Enamel Finish, Add</i>	99.27	
			<i>For 18 Gauge Frame, Deduct</i>	-27.79	
			<i>For 14 Gauge Frame, Add</i>	69.47	
			<i>For 12 Gauge Frame, Add</i>	105.59	
08 12 13 13-0051			>7'-2" Through 9'-0" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0034)</small> .....		
08 12 13 13-0052	EA		2' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	244.19	29.47
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	27.79	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	22.23	
			<i>For Type 304 Stainless Steel Frame, Add</i>	336.38	
			<i>For Type 316 Stainless Steel Frame, Add</i>	391.95	
			<i>For Baked Enamel Finish, Add</i>	64.41	
			<i>For 18 Gauge Frame, Deduct</i>	-18.52	
			<i>For 14 Gauge Frame, Add</i>	46.31	
			<i>For 12 Gauge Frame, Add</i>	70.39	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Doors And Frames</b>	<b>08 10</b>	
<b>Metal Frames</b>	<b>08 12</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0053 EA 2'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	285.36	32.42
For Auxiliary Frame Reinforcement For Hinges, Add	33.08	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	26.46	
For Type 304 Stainless Steel Frame, Add	400.18	
For Type 316 Stainless Steel Frame, Add	466.33	
For Baked Enamel Finish, Add	75.88	
For 18 Gauge Frame, Deduct	-22.05	
For 14 Gauge Frame, Add	55.13	
For 12 Gauge Frame, Add	83.80	
08 12 13 13-0054 EA 2'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	292.82	34.39
For Auxiliary Frame Reinforcement For Hinges, Add	33.61	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	26.89	
For Type 304 Stainless Steel Frame, Add	406.73	
For Type 316 Stainless Steel Frame, Add	473.94	
For Baked Enamel Finish, Add	77.53	
For 18 Gauge Frame, Deduct	-22.41	
For 14 Gauge Frame, Add	56.01	
For 12 Gauge Frame, Add	85.14	
08 12 13 13-0055 EA 2'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	298.71	37.34
For Auxiliary Frame Reinforcement For Hinges, Add	33.61	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	26.89	
For Type 304 Stainless Steel Frame, Add	407.02	
For Type 316 Stainless Steel Frame, Add	474.24	
For Baked Enamel Finish, Add	78.41	
For 18 Gauge Frame, Deduct	-22.41	
For 14 Gauge Frame, Add	56.01	
For 12 Gauge Frame, Add	85.14	
08 12 13 13-0056 EA 2'-10" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	304.21	38.31
For Auxiliary Frame Reinforcement For Hinges, Add	34.14	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	27.31	
For Type 304 Stainless Steel Frame, Add	413.48	
For Type 316 Stainless Steel Frame, Add	481.75	
For Baked Enamel Finish, Add	79.77	
For 18 Gauge Frame, Deduct	-22.76	
For 14 Gauge Frame, Add	56.90	
For 12 Gauge Frame, Add	86.48	
08 12 13 13-0057 EA 3' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	309.70	39.29
For Auxiliary Frame Reinforcement For Hinges, Add	34.67	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	27.73	
For Type 304 Stainless Steel Frame, Add	419.93	
For Type 316 Stainless Steel Frame, Add	489.26	
For Baked Enamel Finish, Add	81.12	
For 18 Gauge Frame, Deduct	-23.11	
For 14 Gauge Frame, Add	57.78	
For 12 Gauge Frame, Add	87.82	
08 12 13 13-0058 EA 3'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	329.51	41.26
For Auxiliary Frame Reinforcement For Hinges, Add	37.05	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	29.64	
For Type 304 Stainless Steel Frame, Add	448.71	
For Type 316 Stainless Steel Frame, Add	522.81	
For Baked Enamel Finish, Add	86.48	
For 18 Gauge Frame, Deduct	-24.70	
For 14 Gauge Frame, Add	61.75	
For 12 Gauge Frame, Add	93.86	
08 12 13 13-0059 EA 3'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	333.44	43.23
For Auxiliary Frame Reinforcement For Hinges, Add	37.05	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	29.64	
For Type 304 Stainless Steel Frame, Add	448.90	
For Type 316 Stainless Steel Frame, Add	523.00	
For Baked Enamel Finish, Add	87.06	
For 18 Gauge Frame, Deduct	-24.70	
For 14 Gauge Frame, Add	61.75	
For 12 Gauge Frame, Add	93.86	
08 12 13 13-0060 EA 4' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	346.19	45.19
For Auxiliary Frame Reinforcement For Hinges, Add	38.37	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	30.70	
For Type 304 Stainless Steel Frame, Add	464.98	
For Type 316 Stainless Steel Frame, Add	541.72	
For Baked Enamel Finish, Add	90.30	
For 18 Gauge Frame, Deduct	-25.58	
For 14 Gauge Frame, Add	63.95	
For 12 Gauge Frame, Add	97.21	

<b>08</b>	<b>Openings</b>
<b>08 10</b>	<b>Doors And Frames</b>
<b>08 12</b>	<b>Metal Frames</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0061	EA		5' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	358.94	47.16
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	39.69	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	31.76	
			<i>For Type 304 Stainless Steel Frame, Add</i>	481.05	
			<i>For Type 316 Stainless Steel Frame, Add</i>	560.44	
			<i>For Baked Enamel Finish, Add</i>	93.54	
			<i>For 18 Gauge Frame, Deduct</i>	-26.46	
			<i>For 14 Gauge Frame, Add</i>	66.16	
			<i>For 12 Gauge Frame, Add</i>	100.56	
08 12 13 13-0062	EA		5'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	362.87	49.12
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	39.69	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	31.76	
			<i>For Type 304 Stainless Steel Frame, Add</i>	481.25	
			<i>For Type 316 Stainless Steel Frame, Add</i>	560.64	
			<i>For Baked Enamel Finish, Add</i>	94.13	
			<i>For 18 Gauge Frame, Deduct</i>	-26.46	
			<i>For 14 Gauge Frame, Add</i>	66.16	
			<i>For 12 Gauge Frame, Add</i>	100.56	
08 12 13 13-0063	EA		5'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	369.25	50.10
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	40.36	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	32.28	
			<i>For Type 304 Stainless Steel Frame, Add</i>	489.28	
			<i>For Type 316 Stainless Steel Frame, Add</i>	569.99	
			<i>For Baked Enamel Finish, Add</i>	95.74	
			<i>For 18 Gauge Frame, Deduct</i>	-26.90	
			<i>For 14 Gauge Frame, Add</i>	67.26	
			<i>For 12 Gauge Frame, Add</i>	102.24	
08 12 13 13-0064	EA		6' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	375.61	51.08
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	41.02	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	32.81	
			<i>For Type 304 Stainless Steel Frame, Add</i>	497.32	
			<i>For Type 316 Stainless Steel Frame, Add</i>	579.35	
			<i>For Baked Enamel Finish, Add</i>	97.36	
			<i>For 18 Gauge Frame, Deduct</i>	-27.35	
			<i>For 14 Gauge Frame, Add</i>	68.36	
			<i>For 12 Gauge Frame, Add</i>	103.91	
08 12 13 13-0065	EA		7' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	395.22	52.07
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	43.66	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	34.93	
			<i>For Type 304 Stainless Steel Frame, Add</i>	529.17	
			<i>For Type 316 Stainless Steel Frame, Add</i>	616.50	
			<i>For Baked Enamel Finish, Add</i>	102.95	
			<i>For 18 Gauge Frame, Deduct</i>	-29.11	
			<i>For 14 Gauge Frame, Add</i>	72.77	
			<i>For 12 Gauge Frame, Add</i>	110.61	
08 12 13 13-0066	EA		8' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	414.84	53.05
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	46.31	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	37.05	
			<i>For Type 304 Stainless Steel Frame, Add</i>	561.04	
			<i>For Type 316 Stainless Steel Frame, Add</i>	653.66	
			<i>For Baked Enamel Finish, Add</i>	108.54	
			<i>For 18 Gauge Frame, Deduct</i>	-30.87	
			<i>For 14 Gauge Frame, Add</i>	77.19	
			<i>For 12 Gauge Frame, Add</i>	117.32	
08 12 13 13-0067			<b>6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames</b> (08 12 13 13)		
			Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0068			<b>6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames</b> (08 12 13 13-0067)		
08 12 13 13-0069	EA		2' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	322.88	29.47
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	39.59	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	31.67	
			<i>For Type 304 Stainless Steel Frame, Add</i>	478.02	
			<i>For Type 316 Stainless Steel Frame, Add</i>	557.20	
			<i>For Baked Enamel Finish, Add</i>	88.02	
			<i>For 18 Gauge Frame, Deduct</i>	-26.39	
			<i>For 14 Gauge Frame, Add</i>	65.98	
			<i>For 12 Gauge Frame, Add</i>	100.29	
08 12 13 13-0070	EA		2'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	379.04	32.42
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	47.13	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	37.70	
			<i>For Type 304 Stainless Steel Frame, Add</i>	568.80	
			<i>For Type 316 Stainless Steel Frame, Add</i>	663.06	
			<i>For Baked Enamel Finish, Add</i>	103.99	
			<i>For 18 Gauge Frame, Deduct</i>	-31.42	
			<i>For 14 Gauge Frame, Add</i>	78.55	
			<i>For 12 Gauge Frame, Add</i>	119.40	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Doors And Frames</b>	<b>08 10</b>	
<b>Metal Frames</b>	<b>08 12</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0071 EA 2'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	388.00	34.39
For Auxiliary Frame Reinforcement For Hinges, Add	47.88	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	38.31	
For Type 304 Stainless Steel Frame, Add	578.05	
For Type 316 Stainless Steel Frame, Add	673.82	
For Baked Enamel Finish, Add	106.08	
For 18 Gauge Frame, Deduct	-31.92	
For 14 Gauge Frame, Add	79.81	
For 12 Gauge Frame, Add	121.31	
08 12 13 13-0072 EA 2'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	393.89	37.34
For Auxiliary Frame Reinforcement For Hinges, Add	47.88	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	38.31	
For Type 304 Stainless Steel Frame, Add	578.35	
For Type 316 Stainless Steel Frame, Add	674.12	
For Baked Enamel Finish, Add	106.97	
For 18 Gauge Frame, Deduct	-31.92	
For 14 Gauge Frame, Add	79.81	
For 12 Gauge Frame, Add	121.31	
08 12 13 13-0073 EA 2'-10" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	400.89	38.31
For Auxiliary Frame Reinforcement For Hinges, Add	48.64	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	38.91	
For Type 304 Stainless Steel Frame, Add	587.50	
For Type 316 Stainless Steel Frame, Add	684.78	
For Baked Enamel Finish, Add	108.77	
For 18 Gauge Frame, Deduct	-32.43	
For 14 Gauge Frame, Add	81.07	
For 12 Gauge Frame, Add	123.22	
08 12 13 13-0074 EA 3' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	407.88	39.29
For Auxiliary Frame Reinforcement For Hinges, Add	49.39	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	39.51	
For Type 304 Stainless Steel Frame, Add	596.65	
For Type 316 Stainless Steel Frame, Add	695.44	
For Baked Enamel Finish, Add	110.58	
For 18 Gauge Frame, Deduct	-32.93	
For 14 Gauge Frame, Add	82.32	
For 12 Gauge Frame, Add	125.13	
08 12 13 13-0075 EA 3'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	434.43	41.26
For Auxiliary Frame Reinforcement For Hinges, Add	52.79	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	42.23	
For Type 304 Stainless Steel Frame, Add	637.56	
For Type 316 Stainless Steel Frame, Add	743.14	
For Baked Enamel Finish, Add	117.95	
For 18 Gauge Frame, Deduct	-35.19	
For 14 Gauge Frame, Add	87.98	
For 12 Gauge Frame, Add	133.73	
08 12 13 13-0076 EA 3'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	438.36	43.23
For Auxiliary Frame Reinforcement For Hinges, Add	52.79	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	42.23	
For Type 304 Stainless Steel Frame, Add	637.76	
For Type 316 Stainless Steel Frame, Add	743.33	
For Baked Enamel Finish, Add	118.54	
For 18 Gauge Frame, Deduct	-35.19	
For 14 Gauge Frame, Add	87.98	
For 12 Gauge Frame, Add	133.73	
08 12 13 13-0077 EA 4' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	454.86	45.19
For Auxiliary Frame Reinforcement For Hinges, Add	54.67	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	43.74	
For Type 304 Stainless Steel Frame, Add	660.58	
For Type 316 Stainless Steel Frame, Add	769.93	
For Baked Enamel Finish, Add	122.90	
For 18 Gauge Frame, Deduct	-36.45	
For 14 Gauge Frame, Add	91.12	
For 12 Gauge Frame, Add	138.50	
08 12 13 13-0078 EA 5' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	471.35	47.16
For Auxiliary Frame Reinforcement For Hinges, Add	56.56	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	45.24	
For Type 304 Stainless Steel Frame, Add	683.39	
For Type 316 Stainless Steel Frame, Add	796.50	
For Baked Enamel Finish, Add	127.26	
For 18 Gauge Frame, Deduct	-37.70	
For 14 Gauge Frame, Add	94.26	
For 12 Gauge Frame, Add	143.28	

<b>08</b>	<b>Openings</b>
<b>08 10</b>	<b>Doors And Frames</b>
<b>08 12</b>	<b>Metal Frames</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0079	EA		5'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	475.28	49.12
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	56.56	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	45.24	
			<i>For Type 304 Stainless Steel Frame, Add</i>	683.58	
			<i>For Type 316 Stainless Steel Frame, Add</i>	796.70	
			<i>For Baked Enamel Finish, Add</i>	127.85	
			<i>For 18 Gauge Frame, Deduct</i>	-37.70	
			<i>For 14 Gauge Frame, Add</i>	94.26	
			<i>For 12 Gauge Frame, Add</i>	143.28	
08 12 13 13-0080	EA		5'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	483.54	50.10
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	57.50	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	46.00	
			<i>For Type 304 Stainless Steel Frame, Add</i>	695.00	
			<i>For Type 316 Stainless Steel Frame, Add</i>	810.00	
			<i>For Baked Enamel Finish, Add</i>	130.03	
			<i>For 18 Gauge Frame, Deduct</i>	-38.33	
			<i>For 14 Gauge Frame, Add</i>	95.83	
			<i>For 12 Gauge Frame, Add</i>	145.67	
08 12 13 13-0081	EA		6' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	491.77	51.08
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	58.44	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	46.75	
			<i>For Type 304 Stainless Steel Frame, Add</i>	706.41	
			<i>For Type 316 Stainless Steel Frame, Add</i>	823.29	
			<i>For Baked Enamel Finish, Add</i>	132.21	
			<i>For 18 Gauge Frame, Deduct</i>	-38.96	
			<i>For 14 Gauge Frame, Add</i>	97.40	
			<i>For 12 Gauge Frame, Add</i>	148.05	
08 12 13 13-0082	EA		7' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	518.88	52.07
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	62.21	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	49.77	
			<i>For Type 304 Stainless Steel Frame, Add</i>	751.76	
			<i>For Type 316 Stainless Steel Frame, Add</i>	876.18	
			<i>For Baked Enamel Finish, Add</i>	140.04	
			<i>For 18 Gauge Frame, Deduct</i>	-41.48	
			<i>For 14 Gauge Frame, Add</i>	103.69	
			<i>For 12 Gauge Frame, Add</i>	157.61	
08 12 13 13-0083	EA		8' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	545.99	53.05
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	65.98	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	52.79	
			<i>For Type 304 Stainless Steel Frame, Add</i>	797.11	
			<i>For Type 316 Stainless Steel Frame, Add</i>	929.07	
			<i>For Baked Enamel Finish, Add</i>	147.88	
			<i>For 18 Gauge Frame, Deduct</i>	-43.99	
			<i>For 14 Gauge Frame, Add</i>	109.97	
			<i>For 12 Gauge Frame, Add</i>	167.16	
08 12 13 13-0084			<b>&gt;7'-2" Through 9'-0" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames</b> <small>(08 12 13 13-0067)</small>		
08 12 13 13-0085	EA		2' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	352.21	29.47
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	43.99	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	35.19	
			<i>For Type 304 Stainless Steel Frame, Add</i>	530.82	
			<i>For Type 316 Stainless Steel Frame, Add</i>	618.79	
			<i>For Baked Enamel Finish, Add</i>	96.82	
			<i>For 18 Gauge Frame, Deduct</i>	-29.33	
			<i>For 14 Gauge Frame, Add</i>	73.32	
			<i>For 12 Gauge Frame, Add</i>	111.44	
08 12 13 13-0086	EA		2'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	413.96	32.42
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	52.37	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	41.89	
			<i>For Type 304 Stainless Steel Frame, Add</i>	631.66	
			<i>For Type 316 Stainless Steel Frame, Add</i>	736.39	
			<i>For Baked Enamel Finish, Add</i>	114.46	
			<i>For 18 Gauge Frame, Deduct</i>	-34.91	
			<i>For 14 Gauge Frame, Add</i>	87.28	
			<i>For 12 Gauge Frame, Add</i>	132.67	
08 12 13 13-0087	EA		2'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	423.47	34.39
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	53.21	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	42.56	
			<i>For Type 304 Stainless Steel Frame, Add</i>	641.90	
			<i>For Type 316 Stainless Steel Frame, Add</i>	748.31	
			<i>For Baked Enamel Finish, Add</i>	116.73	
			<i>For 18 Gauge Frame, Deduct</i>	-35.47	
			<i>For 14 Gauge Frame, Add</i>	88.68	
			<i>For 12 Gauge Frame, Add</i>	134.79	



<b>Openings</b>	<b>08</b>
Doors And Frames	08 10
Metal Frames	08 12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0088	EA		2'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	429.36	37.34
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	53.21	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	42.56	
			<i>For Type 304 Stainless Steel Frame, Add</i>	642.19	
			<i>For Type 316 Stainless Steel Frame, Add</i>	748.60	
			<i>For Baked Enamel Finish, Add</i>	117.61	
			<i>For 18 Gauge Frame, Deduct</i>	-35.47	
			<i>For 14 Gauge Frame, Add</i>	88.68	
			<i>For 12 Gauge Frame, Add</i>	134.79	
08 12 13 13-0089	EA		2'-10" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	436.92	38.31
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	54.04	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	43.23	
			<i>For Type 304 Stainless Steel Frame, Add</i>	652.35	
			<i>For Type 316 Stainless Steel Frame, Add</i>	760.44	
			<i>For Baked Enamel Finish, Add</i>	119.58	
			<i>For 18 Gauge Frame, Deduct</i>	-36.03	
			<i>For 14 Gauge Frame, Add</i>	90.07	
			<i>For 12 Gauge Frame, Add</i>	136.91	
08 12 13 13-0090	EA		3' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	444.46	39.29
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	54.88	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	43.90	
			<i>For Type 304 Stainless Steel Frame, Add</i>	662.50	
			<i>For Type 316 Stainless Steel Frame, Add</i>	772.26	
			<i>For Baked Enamel Finish, Add</i>	121.55	
			<i>For 18 Gauge Frame, Deduct</i>	-36.59	
			<i>For 14 Gauge Frame, Add</i>	91.47	
			<i>For 12 Gauge Frame, Add</i>	139.03	
08 12 13 13-0091	EA		3'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	473.53	41.26
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	58.65	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	46.92	
			<i>For Type 304 Stainless Steel Frame, Add</i>	707.94	
			<i>For Type 316 Stainless Steel Frame, Add</i>	825.25	
			<i>For Baked Enamel Finish, Add</i>	129.68	
			<i>For 18 Gauge Frame, Deduct</i>	-39.10	
			<i>For 14 Gauge Frame, Add</i>	97.75	
			<i>For 12 Gauge Frame, Add</i>	148.58	
08 12 13 13-0092	EA		3'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	477.46	43.23
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	58.65	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	46.92	
			<i>For Type 304 Stainless Steel Frame, Add</i>	708.14	
			<i>For Type 316 Stainless Steel Frame, Add</i>	825.44	
			<i>For Baked Enamel Finish, Add</i>	130.27	
			<i>For 18 Gauge Frame, Deduct</i>	-39.10	
			<i>For 14 Gauge Frame, Add</i>	97.75	
			<i>For 12 Gauge Frame, Add</i>	148.58	
08 12 13 13-0093	EA		4' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	495.35	45.19
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	60.75	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	48.60	
			<i>For Type 304 Stainless Steel Frame, Add</i>	733.47	
			<i>For Type 316 Stainless Steel Frame, Add</i>	854.96	
			<i>For Baked Enamel Finish, Add</i>	135.05	
			<i>For 18 Gauge Frame, Deduct</i>	-40.50	
			<i>For 14 Gauge Frame, Add</i>	101.24	
			<i>For 12 Gauge Frame, Add</i>	153.89	
08 12 13 13-0094	EA		5' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	513.25	47.16
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	62.84	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	50.27	
			<i>For Type 304 Stainless Steel Frame, Add</i>	758.81	
			<i>For Type 316 Stainless Steel Frame, Add</i>	884.49	
			<i>For Baked Enamel Finish, Add</i>	139.83	
			<i>For 18 Gauge Frame, Deduct</i>	-41.89	
			<i>For 14 Gauge Frame, Add</i>	104.74	
			<i>For 12 Gauge Frame, Add</i>	159.20	
08 12 13 13-0095	EA		5'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	517.18	49.12
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	62.84	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	50.27	
			<i>For Type 304 Stainless Steel Frame, Add</i>	759.00	
			<i>For Type 316 Stainless Steel Frame, Add</i>	884.69	
			<i>For Baked Enamel Finish, Add</i>	140.42	
			<i>For 18 Gauge Frame, Deduct</i>	-41.89	
			<i>For 14 Gauge Frame, Add</i>	104.74	
			<i>For 12 Gauge Frame, Add</i>	159.20	



<b>08</b>	<b>Openings</b>
<b>08 10</b>	<b>Doors And Frames</b>
<b>08 12</b>	<b>Metal Frames</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0096	EA		5'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	526.13	50.10
			For Auxiliary Frame Reinforcement For Hinges, Add	63.89	
			For Welded Frames, Add	87.47	
			For Galvanized Frames, Add	51.11	
			For Type 304 Stainless Steel Frame, Add	771.67	
			For Type 316 Stainless Steel Frame, Add	899.44	
			For Baked Enamel Finish, Add	142.81	
			For 18 Gauge Frame, Deduct	-42.59	
			For 14 Gauge Frame, Add	106.48	
			For 12 Gauge Frame, Add	161.85	
08 12 13 13-0097	EA		6' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	535.06	51.08
			For Auxiliary Frame Reinforcement For Hinges, Add	64.94	
			For Welded Frames, Add	87.47	
			For Galvanized Frames, Add	51.95	
			For Type 304 Stainless Steel Frame, Add	784.33	
			For Type 316 Stainless Steel Frame, Add	914.20	
			For Baked Enamel Finish, Add	145.19	
			For 18 Gauge Frame, Deduct	-43.29	
			For 14 Gauge Frame, Add	108.23	
			For 12 Gauge Frame, Add	164.50	
08 12 13 13-0098	EA		7' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	564.96	52.07
			For Auxiliary Frame Reinforcement For Hinges, Add	69.12	
			For Welded Frames, Add	87.47	
			For Galvanized Frames, Add	55.30	
			For Type 304 Stainless Steel Frame, Add	834.70	
			For Type 316 Stainless Steel Frame, Add	972.95	
			For Baked Enamel Finish, Add	153.87	
			For 18 Gauge Frame, Deduct	-46.08	
			For 14 Gauge Frame, Add	115.21	
			For 12 Gauge Frame, Add	175.12	
08 12 13 13-0099	EA		8' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	594.86	53.05
			For Auxiliary Frame Reinforcement For Hinges, Add	73.31	
			For Welded Frames, Add	87.47	
			For Galvanized Frames, Add	58.65	
			For Type 304 Stainless Steel Frame, Add	885.07	
			For Type 316 Stainless Steel Frame, Add	1,031.70	
			For Baked Enamel Finish, Add	162.54	
			For 18 Gauge Frame, Deduct	-48.88	
			For 14 Gauge Frame, Add	122.19	
			For 12 Gauge Frame, Add	185.73	
08 12 13 13-0100			6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13)</small>		
			Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0101			6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0100)</small>		
08 12 13 13-0102	EA		2' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	342.68	29.47
			For Auxiliary Frame Reinforcement For Hinges, Add	42.56	
			For Welded Frames, Add	87.47	
			For Galvanized Frames, Add	34.05	
			For Type 304 Stainless Steel Frame, Add	513.66	
			For Type 316 Stainless Steel Frame, Add	598.78	
			For Baked Enamel Finish, Add	93.96	
			For 18 Gauge Frame, Deduct	-28.37	
			For 14 Gauge Frame, Add	70.93	
			For 12 Gauge Frame, Add	107.82	
08 12 13 13-0103	EA		2'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	402.61	32.42
			For Auxiliary Frame Reinforcement For Hinges, Add	50.67	
			For Welded Frames, Add	87.47	
			For Galvanized Frames, Add	40.53	
			For Type 304 Stainless Steel Frame, Add	611.23	
			For Type 316 Stainless Steel Frame, Add	712.56	
			For Baked Enamel Finish, Add	111.06	
			For 18 Gauge Frame, Deduct	-33.78	
			For 14 Gauge Frame, Add	84.44	
			For 12 Gauge Frame, Add	128.35	
08 12 13 13-0104	EA		2'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	411.94	34.39
			For Auxiliary Frame Reinforcement For Hinges, Add	51.48	
			For Welded Frames, Add	87.47	
			For Galvanized Frames, Add	41.18	
			For Type 304 Stainless Steel Frame, Add	621.14	
			For Type 316 Stainless Steel Frame, Add	724.10	
			For Baked Enamel Finish, Add	113.27	
			For 18 Gauge Frame, Deduct	-34.32	
			For 14 Gauge Frame, Add	85.79	
			For 12 Gauge Frame, Add	130.40	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Doors And Frames</b>	<b>08 10</b>	
<b>Metal Frames</b>	<b>08 12</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0105 EA 2'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame ..... 417.83	417.83	37.34
For Auxiliary Frame Reinforcement For Hinges, Add	51.48	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	41.18	
For Type 304 Stainless Steel Frame, Add	621.44	
For Type 316 Stainless Steel Frame, Add	724.39	
For Baked Enamel Finish, Add	114.15	
For 18 Gauge Frame, Deduct	-34.32	
For 14 Gauge Frame, Add	85.79	
For 12 Gauge Frame, Add	130.40	
08 12 13 13-0106 EA 2'-10" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame ..... 425.21	425.21	38.31
For Auxiliary Frame Reinforcement For Hinges, Add	52.29	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	41.83	
For Type 304 Stainless Steel Frame, Add	631.28	
For Type 316 Stainless Steel Frame, Add	735.85	
For Baked Enamel Finish, Add	116.07	
For 18 Gauge Frame, Deduct	-34.86	
For 14 Gauge Frame, Add	87.15	
For 12 Gauge Frame, Add	132.46	
08 12 13 13-0107 EA 3' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame..... 432.57	432.57	39.29
For Auxiliary Frame Reinforcement For Hinges, Add	53.10	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	42.48	
For Type 304 Stainless Steel Frame, Add	641.09	
For Type 316 Stainless Steel Frame, Add	747.29	
For Baked Enamel Finish, Add	117.98	
For 18 Gauge Frame, Deduct	-35.40	
For 14 Gauge Frame, Add	88.50	
For 12 Gauge Frame, Add	134.51	
08 12 13 13-0108 EA 3'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame ..... 460.82	460.82	41.26
For Auxiliary Frame Reinforcement For Hinges, Add	56.75	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	45.40	
For Type 304 Stainless Steel Frame, Add	685.07	
For Type 316 Stainless Steel Frame, Add	798.56	
For Baked Enamel Finish, Add	125.87	
For 18 Gauge Frame, Deduct	-37.83	
For 14 Gauge Frame, Add	94.58	
For 12 Gauge Frame, Add	143.75	
08 12 13 13-0109 EA 3'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame ..... 464.75	464.75	43.23
For Auxiliary Frame Reinforcement For Hinges, Add	56.75	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	45.40	
For Type 304 Stainless Steel Frame, Add	685.26	
For Type 316 Stainless Steel Frame, Add	798.75	
For Baked Enamel Finish, Add	126.46	
For 18 Gauge Frame, Deduct	-37.83	
For 14 Gauge Frame, Add	94.58	
For 12 Gauge Frame, Add	143.75	
08 12 13 13-0110 EA 4' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame..... 482.19	482.19	45.19
For Auxiliary Frame Reinforcement For Hinges, Add	58.77	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	47.02	
For Type 304 Stainless Steel Frame, Add	709.78	
For Type 316 Stainless Steel Frame, Add	827.32	
For Baked Enamel Finish, Add	131.10	
For 18 Gauge Frame, Deduct	-39.18	
For 14 Gauge Frame, Add	97.95	
For 12 Gauge Frame, Add	148.89	
08 12 13 13-0111 EA 5' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame..... 499.63	499.63	47.16
For Auxiliary Frame Reinforcement For Hinges, Add	60.80	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	48.64	
For Type 304 Stainless Steel Frame, Add	734.29	
For Type 316 Stainless Steel Frame, Add	855.89	
For Baked Enamel Finish, Add	135.74	
For 18 Gauge Frame, Deduct	-40.53	
For 14 Gauge Frame, Add	101.33	
For 12 Gauge Frame, Add	154.02	
08 12 13 13-0112 EA 5'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame ..... 503.56	503.56	49.12
For Auxiliary Frame Reinforcement For Hinges, Add	60.80	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	48.64	
For Type 304 Stainless Steel Frame, Add	734.49	
For Type 316 Stainless Steel Frame, Add	856.08	
For Baked Enamel Finish, Add	136.33	
For 18 Gauge Frame, Deduct	-40.53	
For 14 Gauge Frame, Add	101.33	
For 12 Gauge Frame, Add	154.02	

**08 Openings****08 10 Doors And Frames****08 12 Metal Frames**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0113	EA		5'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....512.29	512.29	50.10
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	61.81	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	49.45	
			<i>For Type 304 Stainless Steel Frame, Add</i>	746.75	
			<i>For Type 316 Stainless Steel Frame, Add</i>	870.38	
			<i>For Baked Enamel Finish, Add</i>	138.66	
			<i>For 18 Gauge Frame, Deduct</i>	-41.21	
			<i>For 14 Gauge Frame, Add</i>	103.02	
			<i>For 12 Gauge Frame, Add</i>	156.59	
08 12 13 13-0114	EA		6' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....520.99	520.99	51.08
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	62.82	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	50.26	
			<i>For Type 304 Stainless Steel Frame, Add</i>	759.00	
			<i>For Type 316 Stainless Steel Frame, Add</i>	884.65	
			<i>For Baked Enamel Finish, Add</i>	140.97	
			<i>For 18 Gauge Frame, Deduct</i>	-41.88	
			<i>For 14 Gauge Frame, Add</i>	104.71	
			<i>For 12 Gauge Frame, Add</i>	159.16	
08 12 13 13-0115	EA		7' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....549.98	549.98	52.07
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	66.88	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	53.50	
			<i>For Type 304 Stainless Steel Frame, Add</i>	807.74	
			<i>For Type 316 Stainless Steel Frame, Add</i>	941.49	
			<i>For Baked Enamel Finish, Add</i>	149.37	
			<i>For 18 Gauge Frame, Deduct</i>	-44.59	
			<i>For 14 Gauge Frame, Add</i>	111.46	
			<i>For 12 Gauge Frame, Add</i>	169.42	
08 12 13 13-0116	EA		8' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....578.98	578.98	53.05
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	70.93	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	56.75	
			<i>For Type 304 Stainless Steel Frame, Add</i>	856.49	
			<i>For Type 316 Stainless Steel Frame, Add</i>	998.35	
			<i>For Baked Enamel Finish, Add</i>	157.78	
			<i>For 18 Gauge Frame, Deduct</i>	-47.29	
			<i>For 14 Gauge Frame, Add</i>	118.22	
			<i>For 12 Gauge Frame, Add</i>	179.69	
08 12 13 13-0117			<b>&gt;7'-2" Through 9'-0" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames</b> <small>(08 12 13 13-0100)</small>		
08 12 13 13-0118	EA		2' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....374.20	374.20	29.47
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	47.29	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	37.83	
			<i>For Type 304 Stainless Steel Frame, Add</i>	570.40	
			<i>For Type 316 Stainless Steel Frame, Add</i>	664.97	
			<i>For Baked Enamel Finish, Add</i>	103.42	
			<i>For 18 Gauge Frame, Deduct</i>	-31.53	
			<i>For 14 Gauge Frame, Add</i>	78.81	
			<i>For 12 Gauge Frame, Add</i>	119.80	
08 12 13 13-0119	EA		2'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....440.14	440.14	32.42
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	56.30	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	45.04	
			<i>For Type 304 Stainless Steel Frame, Add</i>	678.78	
			<i>For Type 316 Stainless Steel Frame, Add</i>	791.37	
			<i>For Baked Enamel Finish, Add</i>	122.32	
			<i>For 18 Gauge Frame, Deduct</i>	-37.53	
			<i>For 14 Gauge Frame, Add</i>	93.83	
			<i>For 12 Gauge Frame, Add</i>	142.61	
08 12 13 13-0120	EA		2'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....450.07	450.07	34.39
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	57.20	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	45.76	
			<i>For Type 304 Stainless Steel Frame, Add</i>	689.78	
			<i>For Type 316 Stainless Steel Frame, Add</i>	804.17	
			<i>For Baked Enamel Finish, Add</i>	124.71	
			<i>For 18 Gauge Frame, Deduct</i>	-38.13	
			<i>For 14 Gauge Frame, Add</i>	95.33	
			<i>For 12 Gauge Frame, Add</i>	144.89	
08 12 13 13-0121	EA		2'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....455.96	455.96	37.34
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	57.20	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	45.76	
			<i>For Type 304 Stainless Steel Frame, Add</i>	690.07	
			<i>For Type 316 Stainless Steel Frame, Add</i>	804.46	
			<i>For Baked Enamel Finish, Add</i>	125.59	
			<i>For 18 Gauge Frame, Deduct</i>	-38.13	
			<i>For 14 Gauge Frame, Add</i>	95.33	
			<i>For 12 Gauge Frame, Add</i>	144.89	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Doors And Frames</b>	<b>08 10</b>	
<b>Metal Frames</b>	<b>08 12</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0122 EA 2'-10" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	463.94	38.31
For Auxiliary Frame Reinforcement For Hinges, Add	58.10	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	46.48	
For Type 304 Stainless Steel Frame, Add	700.99	
For Type 316 Stainless Steel Frame, Add	817.18	
For Baked Enamel Finish, Add	127.69	
For 18 Gauge Frame, Deduct	-38.73	
For 14 Gauge Frame, Add	96.83	
For 12 Gauge Frame, Add	147.18	
08 12 13 13-0123 EA 3' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	471.90	39.29
For Auxiliary Frame Reinforcement For Hinges, Add	59.00	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	47.20	
For Type 304 Stainless Steel Frame, Add	711.89	
For Type 316 Stainless Steel Frame, Add	829.88	
For Baked Enamel Finish, Add	129.78	
For 18 Gauge Frame, Deduct	-39.33	
For 14 Gauge Frame, Add	98.33	
For 12 Gauge Frame, Add	149.46	
08 12 13 13-0124 EA 3'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	502.85	41.26
For Auxiliary Frame Reinforcement For Hinges, Add	63.05	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	50.44	
For Type 304 Stainless Steel Frame, Add	760.72	
For Type 316 Stainless Steel Frame, Add	886.82	
For Baked Enamel Finish, Add	138.48	
For 18 Gauge Frame, Deduct	-42.03	
For 14 Gauge Frame, Add	105.08	
For 12 Gauge Frame, Add	159.73	
08 12 13 13-0125 EA 3'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	506.78	43.23
For Auxiliary Frame Reinforcement For Hinges, Add	63.05	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	50.44	
For Type 304 Stainless Steel Frame, Add	760.92	
For Type 316 Stainless Steel Frame, Add	887.02	
For Baked Enamel Finish, Add	139.07	
For 18 Gauge Frame, Deduct	-42.03	
For 14 Gauge Frame, Add	105.08	
For 12 Gauge Frame, Add	159.73	
08 12 13 13-0126 EA 4' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	525.73	45.19
For Auxiliary Frame Reinforcement For Hinges, Add	65.30	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	52.24	
For Type 304 Stainless Steel Frame, Add	788.15	
For Type 316 Stainless Steel Frame, Add	918.75	
For Baked Enamel Finish, Add	144.16	
For 18 Gauge Frame, Deduct	-43.54	
For 14 Gauge Frame, Add	108.84	
For 12 Gauge Frame, Add	165.43	
08 12 13 13-0127 EA 5' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	544.67	47.16
For Auxiliary Frame Reinforcement For Hinges, Add	67.55	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	54.04	
For Type 304 Stainless Steel Frame, Add	815.36	
For Type 316 Stainless Steel Frame, Add	950.47	
For Baked Enamel Finish, Add	149.25	
For 18 Gauge Frame, Deduct	-45.04	
For 14 Gauge Frame, Add	112.59	
For 12 Gauge Frame, Add	171.14	
08 12 13 13-0128 EA 5'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	548.60	49.12
For Auxiliary Frame Reinforcement For Hinges, Add	67.55	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	54.04	
For Type 304 Stainless Steel Frame, Add	815.56	
For Type 316 Stainless Steel Frame, Add	950.67	
For Baked Enamel Finish, Add	149.84	
For 18 Gauge Frame, Deduct	-45.04	
For 14 Gauge Frame, Add	112.59	
For 12 Gauge Frame, Add	171.14	
08 12 13 13-0129 EA 5'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	558.07	50.10
For Auxiliary Frame Reinforcement For Hinges, Add	68.68	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	54.94	
For Type 304 Stainless Steel Frame, Add	829.16	
For Type 316 Stainless Steel Frame, Add	966.52	
For Baked Enamel Finish, Add	152.39	
For 18 Gauge Frame, Deduct	-45.79	
For 14 Gauge Frame, Add	114.47	
For 12 Gauge Frame, Add	173.99	

<b>08</b>	<b>Openings</b>
<b>08 10</b>	<b>Doors And Frames</b>
<b>08 12</b>	<b>Metal Frames</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0130	EA		6' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....567.53		51.08
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	69.81	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	55.84	
			<i>For Type 304 Stainless Steel Frame, Add</i>	842.77	
			<i>For Type 316 Stainless Steel Frame, Add</i>	982.39	
			<i>For Baked Enamel Finish, Add</i>	154.94	
			<i>For 18 Gauge Frame, Deduct</i>	-46.54	
			<i>For 14 Gauge Frame, Add</i>	116.34	
			<i>For 12 Gauge Frame, Add</i>	176.84	
08 12 13 13-0131	EA		7' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....599.52		52.07
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	74.31	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	59.45	
			<i>For Type 304 Stainless Steel Frame, Add</i>	896.91	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,045.53	
			<i>For Baked Enamel Finish, Add</i>	164.24	
			<i>For 18 Gauge Frame, Deduct</i>	-49.54	
			<i>For 14 Gauge Frame, Add</i>	123.85	
			<i>For 12 Gauge Frame, Add</i>	188.25	
08 12 13 13-0132	EA		8' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....631.52		53.05
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	78.81	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	63.05	
			<i>For Type 304 Stainless Steel Frame, Add</i>	951.06	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,108.69	
			<i>For Baked Enamel Finish, Add</i>	173.54	
			<i>For 18 Gauge Frame, Deduct</i>	-52.54	
			<i>For 14 Gauge Frame, Add</i>	131.36	
			<i>For 12 Gauge Frame, Add</i>	199.66	
08 12 13 13-0133			8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13)</small>		
			Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0134			6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames <small>(08 12 13 13-0133)</small>		
08 12 13 13-0135	EA		2' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....355.87		29.47
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	44.54	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	35.63	
			<i>For Type 304 Stainless Steel Frame, Add</i>	537.40	
			<i>For Type 316 Stainless Steel Frame, Add</i>	626.48	
			<i>For Baked Enamel Finish, Add</i>	97.92	
			<i>For 18 Gauge Frame, Deduct</i>	-29.69	
			<i>For 14 Gauge Frame, Add</i>	74.23	
			<i>For 12 Gauge Frame, Add</i>	112.83	
08 12 13 13-0136	EA		2'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....418.32		32.42
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	53.02	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	42.42	
			<i>For Type 304 Stainless Steel Frame, Add</i>	639.51	
			<i>For Type 316 Stainless Steel Frame, Add</i>	745.55	
			<i>For Baked Enamel Finish, Add</i>	115.77	
			<i>For 18 Gauge Frame, Deduct</i>	-35.35	
			<i>For 14 Gauge Frame, Add</i>	88.37	
			<i>For 12 Gauge Frame, Add</i>	134.32	
08 12 13 13-0137	EA		2'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....427.90		34.39
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	53.87	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	43.10	
			<i>For Type 304 Stainless Steel Frame, Add</i>	649.87	
			<i>For Type 316 Stainless Steel Frame, Add</i>	757.61	
			<i>For Baked Enamel Finish, Add</i>	118.05	
			<i>For 18 Gauge Frame, Deduct</i>	-35.91	
			<i>For 14 Gauge Frame, Add</i>	89.78	
			<i>For 12 Gauge Frame, Add</i>	136.47	
08 12 13 13-0138	EA		2'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....433.79		37.34
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	53.87	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	43.10	
			<i>For Type 304 Stainless Steel Frame, Add</i>	650.17	
			<i>For Type 316 Stainless Steel Frame, Add</i>	757.91	
			<i>For Baked Enamel Finish, Add</i>	118.94	
			<i>For 18 Gauge Frame, Deduct</i>	-35.91	
			<i>For 14 Gauge Frame, Add</i>	89.78	
			<i>For 12 Gauge Frame, Add</i>	136.47	



<b>Openings</b>	<b>08</b>
<b>Doors And Frames</b>	<b>08 10</b>
<b>Metal Frames</b>	<b>08 12</b>

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0139 EA 2'-10" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	441.42	38.31
For Auxiliary Frame Reinforcement For Hinges, Add	54.72	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	43.77	
For Type 304 Stainless Steel Frame, Add	660.45	
For Type 316 Stainless Steel Frame, Add	769.89	
For Baked Enamel Finish, Add	120.93	
For 18 Gauge Frame, Deduct	-36.48	
For 14 Gauge Frame, Add	91.20	
For 12 Gauge Frame, Add	138.62	
08 12 13 13-0140 EA 3' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	449.04	39.29
For Auxiliary Frame Reinforcement For Hinges, Add	55.57	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	44.45	
For Type 304 Stainless Steel Frame, Add	670.74	
For Type 316 Stainless Steel Frame, Add	781.87	
For Baked Enamel Finish, Add	122.92	
For 18 Gauge Frame, Deduct	-37.05	
For 14 Gauge Frame, Add	92.61	
For 12 Gauge Frame, Add	140.77	
08 12 13 13-0141 EA 3'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	478.42	41.26
For Auxiliary Frame Reinforcement For Hinges, Add	59.39	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	47.51	
For Type 304 Stainless Steel Frame, Add	716.75	
For Type 316 Stainless Steel Frame, Add	835.52	
For Baked Enamel Finish, Add	131.15	
For 18 Gauge Frame, Deduct	-39.59	
For 14 Gauge Frame, Add	98.98	
For 12 Gauge Frame, Add	150.44	
08 12 13 13-0142 EA 3'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	482.35	43.23
For Auxiliary Frame Reinforcement For Hinges, Add	59.39	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	47.51	
For Type 304 Stainless Steel Frame, Add	716.94	
For Type 316 Stainless Steel Frame, Add	835.71	
For Baked Enamel Finish, Add	131.74	
For 18 Gauge Frame, Deduct	-39.59	
For 14 Gauge Frame, Add	98.98	
For 12 Gauge Frame, Add	150.44	
08 12 13 13-0143 EA 4' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	500.42	45.19
For Auxiliary Frame Reinforcement For Hinges, Add	61.51	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	49.20	
For Type 304 Stainless Steel Frame, Add	742.59	
For Type 316 Stainless Steel Frame, Add	865.60	
For Baked Enamel Finish, Add	136.57	
For 18 Gauge Frame, Deduct	-41.00	
For 14 Gauge Frame, Add	102.51	
For 12 Gauge Frame, Add	155.82	
08 12 13 13-0144 EA 5' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	518.48	47.16
For Auxiliary Frame Reinforcement For Hinges, Add	63.63	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	50.90	
For Type 304 Stainless Steel Frame, Add	768.22	
For Type 316 Stainless Steel Frame, Add	895.47	
For Baked Enamel Finish, Add	141.40	
For 18 Gauge Frame, Deduct	-42.42	
For 14 Gauge Frame, Add	106.04	
For 12 Gauge Frame, Add	161.18	
08 12 13 13-0145 EA 5'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	522.41	49.12
For Auxiliary Frame Reinforcement For Hinges, Add	63.63	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	50.90	
For Type 304 Stainless Steel Frame, Add	768.42	
For Type 316 Stainless Steel Frame, Add	895.67	
For Baked Enamel Finish, Add	141.99	
For 18 Gauge Frame, Deduct	-42.42	
For 14 Gauge Frame, Add	106.04	
For 12 Gauge Frame, Add	161.18	
08 12 13 13-0146 EA 5'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	531.45	50.10
For Auxiliary Frame Reinforcement For Hinges, Add	64.69	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	51.75	
For Type 304 Stainless Steel Frame, Add	781.24	
For Type 316 Stainless Steel Frame, Add	910.61	
For Baked Enamel Finish, Add	144.40	
For 18 Gauge Frame, Deduct	-43.12	
For 14 Gauge Frame, Add	107.81	
For 12 Gauge Frame, Add	163.87	

<b>08</b>	<b>Openings</b>
<b>08 10</b>	<b>Doors And Frames</b>
<b>08 12</b>	<b>Metal Frames</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0147	EA		6' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	540.47	51.08
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	65.75	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	52.60	
			<i>For Type 304 Stainless Steel Frame, Add</i>	794.07	
			<i>For Type 316 Stainless Steel Frame, Add</i>	925.56	
			<i>For Baked Enamel Finish, Add</i>	146.82	
			<i>For 18 Gauge Frame, Deduct</i>	-43.83	
			<i>For 14 Gauge Frame, Add</i>	109.58	
			<i>For 12 Gauge Frame, Add</i>	166.56	
08 12 13 13-0148	EA		7' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	570.72	52.07
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	69.99	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	55.99	
			<i>For Type 304 Stainless Steel Frame, Add</i>	845.07	
			<i>For Type 316 Stainless Steel Frame, Add</i>	985.05	
			<i>For Baked Enamel Finish, Add</i>	155.60	
			<i>For 18 Gauge Frame, Deduct</i>	-46.66	
			<i>For 14 Gauge Frame, Add</i>	116.65	
			<i>For 12 Gauge Frame, Add</i>	177.30	
08 12 13 13-0149	EA		8' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	600.97	53.05
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	74.23	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	59.38	
			<i>For Type 304 Stainless Steel Frame, Add</i>	896.07	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,044.53	
			<i>For Baked Enamel Finish, Add</i>	164.38	
			<i>For 18 Gauge Frame, Deduct</i>	-49.49	
			<i>For 14 Gauge Frame, Add</i>	123.72	
			<i>For 12 Gauge Frame, Add</i>	188.05	
08 12 13 13-0150			<b>&gt;7'-2" Through 9'-0" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames</b> <small>08 12 13 13-0133</small>		
08 12 13 13-0151	EA		2' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	388.86	29.47
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	49.49	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	39.59	
			<i>For Type 304 Stainless Steel Frame, Add</i>	596.79	
			<i>For Type 316 Stainless Steel Frame, Add</i>	695.76	
			<i>For Baked Enamel Finish, Add</i>	107.82	
			<i>For 18 Gauge Frame, Deduct</i>	-32.99	
			<i>For 14 Gauge Frame, Add</i>	82.48	
			<i>For 12 Gauge Frame, Add</i>	125.37	
08 12 13 13-0152	EA		2'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	457.59	32.42
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	58.91	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	47.13	
			<i>For Type 304 Stainless Steel Frame, Add</i>	710.19	
			<i>For Type 316 Stainless Steel Frame, Add</i>	828.02	
			<i>For Baked Enamel Finish, Add</i>	127.55	
			<i>For 18 Gauge Frame, Deduct</i>	-39.28	
			<i>For 14 Gauge Frame, Add</i>	98.19	
			<i>For 12 Gauge Frame, Add</i>	149.25	
08 12 13 13-0153	EA		2'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	467.81	34.39
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	59.86	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	47.88	
			<i>For Type 304 Stainless Steel Frame, Add</i>	721.71	
			<i>For Type 316 Stainless Steel Frame, Add</i>	841.42	
			<i>For Baked Enamel Finish, Add</i>	130.03	
			<i>For 18 Gauge Frame, Deduct</i>	-39.90	
			<i>For 14 Gauge Frame, Add</i>	99.76	
			<i>For 12 Gauge Frame, Add</i>	151.64	
08 12 13 13-0154	EA		2'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	473.70	37.34
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	59.86	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	47.88	
			<i>For Type 304 Stainless Steel Frame, Add</i>	722.01	
			<i>For Type 316 Stainless Steel Frame, Add</i>	841.72	
			<i>For Baked Enamel Finish, Add</i>	130.91	
			<i>For 18 Gauge Frame, Deduct</i>	-39.90	
			<i>For 14 Gauge Frame, Add</i>	99.76	
			<i>For 12 Gauge Frame, Add</i>	151.64	
08 12 13 13-0155	EA		2'-10" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	481.95	38.31
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	60.80	
			<i>For Welded Frames, Add</i>	87.47	
			<i>For Galvanized Frames, Add</i>	48.64	
			<i>For Type 304 Stainless Steel Frame, Add</i>	733.41	
			<i>For Type 316 Stainless Steel Frame, Add</i>	855.00	
			<i>For Baked Enamel Finish, Add</i>	133.09	
			<i>For 18 Gauge Frame, Deduct</i>	-40.53	
			<i>For 14 Gauge Frame, Add</i>	101.33	
			<i>For 12 Gauge Frame, Add</i>	154.02	



<b>Openings</b>	<b>08</b>
<b>Doors And Frames</b>	<b>08 10</b>
<b>Metal Frames</b>	<b>08 12</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0156 EA 3' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	490.20	39.29
For Auxiliary Frame Reinforcement For Hinges, Add	61.74	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	49.39	
For Type 304 Stainless Steel Frame, Add	744.83	
For Type 316 Stainless Steel Frame, Add	868.31	
For Baked Enamel Finish, Add	135.27	
For 18 Gauge Frame, Deduct	-41.16	
For 14 Gauge Frame, Add	102.90	
For 12 Gauge Frame, Add	156.41	
08 12 13 13-0157 EA 3'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	522.41	41.26
For Auxiliary Frame Reinforcement For Hinges, Add	65.98	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	52.79	
For Type 304 Stainless Steel Frame, Add	795.93	
For Type 316 Stainless Steel Frame, Add	927.90	
For Baked Enamel Finish, Add	144.35	
For 18 Gauge Frame, Deduct	-43.99	
For 14 Gauge Frame, Add	109.97	
For 12 Gauge Frame, Add	167.16	
08 12 13 13-0158 EA 3'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	526.34	43.23
For Auxiliary Frame Reinforcement For Hinges, Add	65.98	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	52.79	
For Type 304 Stainless Steel Frame, Add	796.12	
For Type 316 Stainless Steel Frame, Add	928.09	
For Baked Enamel Finish, Add	144.93	
For 18 Gauge Frame, Deduct	-43.99	
For 14 Gauge Frame, Add	109.97	
For 12 Gauge Frame, Add	167.16	
08 12 13 13-0159 EA 4' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	545.98	45.19
For Auxiliary Frame Reinforcement For Hinges, Add	68.34	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	54.67	
For Type 304 Stainless Steel Frame, Add	824.60	
For Type 316 Stainless Steel Frame, Add	961.28	
For Baked Enamel Finish, Add	150.24	
For 18 Gauge Frame, Deduct	-45.56	
For 14 Gauge Frame, Add	113.90	
For 12 Gauge Frame, Add	173.13	
08 12 13 13-0160 EA 5' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	565.62	47.16
For Auxiliary Frame Reinforcement For Hinges, Add	70.70	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	56.56	
For Type 304 Stainless Steel Frame, Add	853.07	
For Type 316 Stainless Steel Frame, Add	994.47	
For Baked Enamel Finish, Add	155.54	
For 18 Gauge Frame, Deduct	-47.13	
For 14 Gauge Frame, Add	117.83	
For 12 Gauge Frame, Add	179.10	
08 12 13 13-0161 EA 5'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	569.55	49.12
For Auxiliary Frame Reinforcement For Hinges, Add	70.70	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	56.56	
For Type 304 Stainless Steel Frame, Add	853.27	
For Type 316 Stainless Steel Frame, Add	994.66	
For Baked Enamel Finish, Add	156.13	
For 18 Gauge Frame, Deduct	-47.13	
For 14 Gauge Frame, Add	117.83	
For 12 Gauge Frame, Add	179.10	
08 12 13 13-0162 EA 5'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	579.37	50.10
For Auxiliary Frame Reinforcement For Hinges, Add	71.87	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	57.50	
For Type 304 Stainless Steel Frame, Add	867.50	
For Type 316 Stainless Steel Frame, Add	1,011.25	
For Baked Enamel Finish, Add	158.78	
For 18 Gauge Frame, Deduct	-47.92	
For 14 Gauge Frame, Add	119.79	
For 12 Gauge Frame, Add	182.08	
08 12 13 13-0163 EA 6' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	589.18	51.08
For Auxiliary Frame Reinforcement For Hinges, Add	73.05	
For Welded Frames, Add	87.47	
For Galvanized Frames, Add	58.44	
For Type 304 Stainless Steel Frame, Add	881.74	
For Type 316 Stainless Steel Frame, Add	1,027.85	
For Baked Enamel Finish, Add	161.43	
For 18 Gauge Frame, Deduct	-48.70	
For 14 Gauge Frame, Add	121.76	
For 12 Gauge Frame, Add	185.07	



<b>08</b>	<b>Openings</b>
<b>08 10</b>	<b>Doors And Frames</b>
<b>08 12</b>	<b>Metal Frames</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0164	EA		7' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	622.56	52.07
			For Auxiliary Frame Reinforcement For Hinges, Add	77.76	
			For Welded Frames, Add	87.47	
			For Galvanized Frames, Add	62.21	
			For Type 304 Stainless Steel Frame, Add	938.38	
			For Type 316 Stainless Steel Frame, Add	1,093.91	
			For Baked Enamel Finish, Add	171.15	
			For 18 Gauge Frame, Deduct	-51.84	
			For 14 Gauge Frame, Add	129.61	
			For 12 Gauge Frame, Add	197.00	
08 12 13 13-0165	EA		8' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	655.96	53.05
			For Auxiliary Frame Reinforcement For Hinges, Add	82.48	
			For Welded Frames, Add	87.47	
			For Galvanized Frames, Add	65.98	
			For Type 304 Stainless Steel Frame, Add	995.05	
			For Type 316 Stainless Steel Frame, Add	1,160.01	
			For Baked Enamel Finish, Add	180.87	
			For 18 Gauge Frame, Deduct	-54.99	
			For 14 Gauge Frame, Add	137.47	
			For 12 Gauge Frame, Add	208.95	
08 12 13 13-0166			<b>Sidelights And Transoms</b> (08 12 13 13) Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0167			<b>Fixed Steel Transoms</b> (08 12 13 13-0166) Note: Excludes glazing.		
08 12 13 13-0168	SF		4-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom .....	37.70	5.50
			For Movable Frame, Add	7.54	
			For 18 Gauge Frame, Deduct	-2.67	
			For 14 Gauge Frame, Add	6.68	
			For 12 Gauge Frame, Add	10.15	
08 12 13 13-0169	SF		5-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom .....	39.41	5.70
			For Movable Frame, Add	7.88	
			For 18 Gauge Frame, Deduct	-2.80	
			For 14 Gauge Frame, Add	7.01	
			For 12 Gauge Frame, Add	10.65	
08 12 13 13-0170	SF		6-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom .....	41.22	5.89
			For Movable Frame, Add	8.24	
			For 18 Gauge Frame, Deduct	-2.94	
			For 14 Gauge Frame, Add	7.36	
			For 12 Gauge Frame, Add	11.18	
08 12 13 13-0171			<b>Operable Steel Transom Sash</b> (08 12 13 13-0166) Note: Includes hardware.		
08 12 13 13-0172	SF		4-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash .....	55.74	5.50
			For 18 Gauge Frame, Deduct	-4.47	
			For 14 Gauge Frame, Add	11.19	
			For 12 Gauge Frame, Add	17.00	
08 12 13 13-0173	SF		5-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash .....	58.37	5.70
			For 18 Gauge Frame, Deduct	-4.70	
			For 14 Gauge Frame, Add	11.75	
			For 12 Gauge Frame, Add	17.85	
08 12 13 13-0174	SF		6-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash .....	61.12	5.89
			For 18 Gauge Frame, Deduct	-4.93	
			For 14 Gauge Frame, Add	12.33	
			For 12 Gauge Frame, Add	18.75	
08 12 13 13-0175			<b>Sidelights, Steel Frame</b> (08 12 13 13-0166) Note: Excludes glazing.		
08 12 13 13-0176	SF		4-3/4" Deep Sidelights, 16 Gauge Frame .....	39.69	5.50
			For 18 Gauge Frame, Deduct	-2.87	
			For 14 Gauge Frame, Add	7.17	
			For 12 Gauge Frame, Add	10.90	
08 12 13 13-0177	SF		5-3/4" Deep Sidelights, 16 Gauge Frame .....	41.52	5.70
			For 18 Gauge Frame, Deduct	-3.01	
			For 14 Gauge Frame, Add	7.53	
			For 12 Gauge Frame, Add	11.45	
08 12 13 13-0178	SF		6-3/4" Deep Sidelights, 16 Gauge Frame .....	43.42	5.89
			For 18 Gauge Frame, Deduct	-3.16	
			For 14 Gauge Frame, Add	7.91	
			For 12 Gauge Frame, Add	12.02	
08 12 13 13-0179			<b>Sundry Hollow Metal Frame Sections</b> (08 12 13 13) Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0180			<b>16 Gauge, Hollow Metal Frame Vertical Mullions</b> (08 12 13 13-0179)		



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Doors And Frames</b>	<b>08 10</b>	
<b>Metal Frames</b>	<b>08 12</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0181	LF		4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion .....	24.31	2.20
			<i>For 18 Gauge Frame, Deduct</i>	-1.88	
			<i>For 14 Gauge Frame, Add</i>	4.69	
			<i>For 12 Gauge Frame, Add</i>	7.13	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0182	LF		4-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	25.06	2.20
			<i>For 18 Gauge Frame, Deduct</i>	-1.95	
			<i>For 14 Gauge Frame, Add</i>	4.88	
			<i>For 12 Gauge Frame, Add</i>	7.42	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0183	LF		5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion .....	24.47	2.28
			<i>For 18 Gauge Frame, Deduct</i>	-1.88	
			<i>For 14 Gauge Frame, Add</i>	4.69	
			<i>For 12 Gauge Frame, Add</i>	7.13	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0184	LF		5-1/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	25.64	2.28
			<i>For 18 Gauge Frame, Deduct</i>	-1.99	
			<i>For 14 Gauge Frame, Add</i>	4.99	
			<i>For 12 Gauge Frame, Add</i>	7.58	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0185	LF		6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion .....	25.52	2.32
			<i>For 18 Gauge Frame, Deduct</i>	-1.97	
			<i>For 14 Gauge Frame, Add</i>	4.93	
			<i>For 12 Gauge Frame, Add</i>	7.49	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0186	LF		6-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion.....	25.97	2.32
			<i>For 18 Gauge Frame, Deduct</i>	-2.02	
			<i>For 14 Gauge Frame, Add</i>	5.04	
			<i>For 12 Gauge Frame, Add</i>	7.66	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
<b>08 12 13 13-0187</b>			<b>16 Gauge, Hollow Metal Frame Horizontal Rails</b> <small>(08 12 13 13-0179)</small>		
08 12 13 13-0188	LF		4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail .....	14.92	2.20
			<i>For 18 Gauge Frame, Deduct</i>	-0.94	
			<i>For 14 Gauge Frame, Add</i>	2.35	
			<i>For 12 Gauge Frame, Add</i>	3.56	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0189	LF		4-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	15.88	2.20
			<i>For 18 Gauge Frame, Deduct</i>	-1.03	
			<i>For 14 Gauge Frame, Add</i>	2.59	
			<i>For 12 Gauge Frame, Add</i>	3.93	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0190	LF		5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail .....	15.08	2.28
			<i>For 18 Gauge Frame, Deduct</i>	-0.94	
			<i>For 14 Gauge Frame, Add</i>	2.35	
			<i>For 12 Gauge Frame, Add</i>	3.56	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0191	LF		5-1/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	16.04	2.28
			<i>For 18 Gauge Frame, Deduct</i>	-1.03	
			<i>For 14 Gauge Frame, Add</i>	2.59	
			<i>For 12 Gauge Frame, Add</i>	3.93	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0192	LF		6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail .....	15.67	2.32
			<i>For 18 Gauge Frame, Deduct</i>	-0.99	
			<i>For 14 Gauge Frame, Add</i>	2.46	
			<i>For 12 Gauge Frame, Add</i>	3.74	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	

<b>08</b>	<b>Openings</b>
<b>08 10</b>	<b>Doors And Frames</b>
<b>08 12</b>	<b>Metal Frames</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0193	LF		6-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail.....	16.50	2.32
			<i>For 18 Gauge Frame, Deduct</i>	-1.07	
			<i>For 14 Gauge Frame, Add</i>	2.67	
			<i>For 12 Gauge Frame, Add</i>	4.06	
			<i>For 3 Hour Frame, Add</i>	8.00	
			<i>For 1-1/2 Hour Frame, Add</i>	5.00	
			<i>For 3/4 Hour Frame, Add</i>	4.00	
<b>08 12 13 13-0194</b>			<b>16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullions</b> (08 12 13 13-0179)		
08 12 13 13-0195	EA		4-3/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion .....	783.21	15.41
			<i>For 18 Gauge Frame, Deduct</i>	-74.47	
			<i>For 14 Gauge Frame, Add</i>	186.18	
			<i>For 12 Gauge Frame, Add</i>	282.99	
08 12 13 13-0196	EA		4-3/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion.....	812.92	15.41
			<i>For 18 Gauge Frame, Deduct</i>	-77.44	
			<i>For 14 Gauge Frame, Add</i>	193.60	
			<i>For 12 Gauge Frame, Add</i>	294.28	
08 12 13 13-0197	EA		5-1/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion .....	904.27	16.11
			<i>For 18 Gauge Frame, Deduct</i>	-86.46	
			<i>For 14 Gauge Frame, Add</i>	216.15	
			<i>For 12 Gauge Frame, Add</i>	328.54	
			<i>For 3 Hour Frame, Add</i>	56.00	
			<i>For 1-1/2 Hour Frame, Add</i>	36.00	
			<i>For 3/4 Hour Frame, Add</i>	28.00	
08 12 13 13-0198	EA		5-1/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion.....	930.79	16.11
			<i>For 18 Gauge Frame, Deduct</i>	-89.11	
			<i>For 14 Gauge Frame, Add</i>	222.78	
			<i>For 12 Gauge Frame, Add</i>	338.62	
			<i>For 3 Hour Frame, Add</i>	56.00	
			<i>For 1-1/2 Hour Frame, Add</i>	36.00	
			<i>For 3/4 Hour Frame, Add</i>	28.00	
08 12 13 13-0199	EA		6-3/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion .....	1,057.53	16.50
			<i>For 18 Gauge Frame, Deduct</i>	-101.63	
			<i>For 14 Gauge Frame, Add</i>	254.07	
			<i>For 12 Gauge Frame, Add</i>	386.18	
			<i>For 3 Hour Frame, Add</i>	56.00	
			<i>For 1-1/2 Hour Frame, Add</i>	36.00	
			<i>For 3/4 Hour Frame, Add</i>	28.00	
08 12 13 13-0200	EA		6-3/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion.....	1,075.57	16.50
			<i>For 18 Gauge Frame, Deduct</i>	-103.43	
			<i>For 14 Gauge Frame, Add</i>	258.58	
			<i>For 12 Gauge Frame, Add</i>	393.04	
			<i>For 3 Hour Frame, Add</i>	56.00	
			<i>For 1-1/2 Hour Frame, Add</i>	36.00	
			<i>For 3/4 Hour Frame, Add</i>	28.00	
<b>08 12 13 13-0201</b>			<b>Metal Frames Accessories</b> (08 12 13 13)		
08 12 13 13-0202	EA		For 1' Extension Of New Door Frame .....	33.68	
<b>08 12 16</b>			<b>Aluminum Frames</b> (08 12)		
<b>08 12 16 00-0001</b>			<b>Two Piece Aluminum Door Frames</b> (08 12 16)		
<b>08 12 16 00-0002</b>			<b>4-1/8" x 3/8" Two Piece Aluminum Door Frames</b> (08 12 16 00-0001)		
08 12 16 00-0003	EA		Two Piece Aluminum Door Frame, 2'-2" x 6'-9" Opening 4-1/8" x 3/8" x 1/8" With Semicircular Head.....	1,416.43	21.61
08 12 16 00-0004	EA		Two Piece Aluminum Door Frame, 2'-6" x 6'-9" Opening 4-1/8" x 3/8" x 1/8" With Semicircular Head.....	1,416.43	21.61
<b>08 12 16 00-0005</b>			<b>4-3/4" x 1-3/8" Two Piece Aluminum Door Frames</b> (08 12 16 00-0001)		
08 12 16 00-0006	EA		Two Piece Aluminum Door Frame, 2'-2" x 6'-9" Opening 4-3/4" x 1-3/8" x 1/8" With Semicircular Head.....	1,416.43	21.61
08 12 16 00-0007	EA		Two Piece Aluminum Door Frame Piece Aluminum Door Frame, 2'-6" x 6'-9" Opening 4-3/4" x 1-3/8" x 1/8" With Semicircular Head .....	1,416.43	21.61

**08 13 Metal Doors** (08 10)

Note: Includes machining for all hardware. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

**08 13 13 Hollow Metal Doors** (08 13)**08 13 13 13 Standard Hollow Metal Doors** (08 13 13)

Note: Full flush, impregnated honeycomb core, epoxy baked-on primer.

08 13 13 13-0001			20 Gauge, Unrated, Hollow Metal Doors (08 13 13 13)		
08 13 13 13-0002			6'-8" High, 20 Gauge, Unrated, Hollow Metal Doors (08 13 13 13-0001)		



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Doors And Frames</b>	<b>08 10</b>	
<b>Metal Doors</b>	<b>08 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0003 EA 2' x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door .....	475.84	21.61
For Type 304 Stainless Steel Door, Add	348.25	
For Type 316 Stainless Steel Door, Add	564.55	
For Embossed Panel, Add	103.83	
For Galvanized Steel, Add	64.89	
For Baked Enamel Finish, Add	155.72	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-24.87	
For >100, Deduct	-36.77	
For Insulated Door (Polystyrene Core), Add	43.26	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	108.15	
For Seamless Edge (Welded), Add	54.08	
08 13 13 13-0004 EA 2'-4" x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door .....	475.84	21.61
For Type 304 Stainless Steel Door, Add	348.25	
For Type 316 Stainless Steel Door, Add	564.55	
For Embossed Panel, Add	103.83	
For Galvanized Steel, Add	64.89	
For Baked Enamel Finish, Add	155.72	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-24.87	
For >100, Deduct	-36.77	
For Insulated Door (Polystyrene Core), Add	43.26	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	108.15	
For Seamless Edge (Welded), Add	54.08	
08 13 13 13-0005 EA 2'-6" x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door .....	486.65	22.60
For Type 304 Stainless Steel Door, Add	355.43	
For Type 316 Stainless Steel Door, Add	576.16	
For Embossed Panel, Add	105.95	
For Galvanized Steel, Add	66.22	
For Baked Enamel Finish, Add	159.55	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-25.46	
For >100, Deduct	-37.63	
For Insulated Door (Polystyrene Core), Add	44.15	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	110.37	
For Seamless Edge (Welded), Add	55.18	
08 13 13 13-0006 EA 2'-8" x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door .....	493.24	22.60
For Type 304 Stainless Steel Door, Add	360.70	
For Type 316 Stainless Steel Door, Add	584.72	
For Embossed Panel, Add	107.53	
For Galvanized Steel, Add	67.21	
For Baked Enamel Finish, Add	161.53	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-25.79	
For >100, Deduct	-38.12	
For Insulated Door (Polystyrene Core), Add	44.81	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	112.01	
For Seamless Edge (Welded), Add	56.01	
08 13 13 13-0007 EA 2'-10" x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door .....	496.87	23.08
For Type 304 Stainless Steel Door, Add	362.86	
For Type 316 Stainless Steel Door, Add	588.21	
For Embossed Panel, Add	108.17	
For Galvanized Steel, Add	67.60	
For Baked Enamel Finish, Add	162.92	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-26.00	
For >100, Deduct	-38.42	
For Insulated Door (Polystyrene Core), Add	45.07	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	112.67	
For Seamless Edge (Welded), Add	56.34	

<b>08</b>	<b>Openings</b>
<b>08 10</b>	<b>Doors And Frames</b>
<b>08 13</b>	<b>Metal Doors</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0008	EA	3' x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door ..... For Type 304 Stainless Steel Door, Add For Type 316 Stainless Steel Door, Add For Embossed Panel, Add For Galvanized Steel, Add For Baked Enamel Finish, Add For 20 Minutes To 30 Minutes Rated Door And FM Label, Add For 45 Minutes Rated Door And FM Label, Add For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add For >50 To 100, Deduct For >100, Deduct For Insulated Door (Polystyrene Core), Add For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add For Seamless Edge (Welded), Add	500.48 365.01 591.67 108.80 68.00 164.29 27.63 41.40 55.27 93.38 131.50 -26.20 -38.72 45.33 113.33 56.67	23.58
08 13 13	13-0009	EA	3'-4" x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door ..... For Type 304 Stainless Steel Door, Add For Type 316 Stainless Steel Door, Add For Embossed Panel, Add For Galvanized Steel, Add For Baked Enamel Finish, Add For 20 Minutes To 30 Minutes Rated Door And FM Label, Add For 45 Minutes Rated Door And FM Label, Add For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add For >50 To 100, Deduct For >100, Deduct For Insulated Door (Polystyrene Core), Add For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add For Seamless Edge (Welded), Add	534.75 392.43 636.23 117.02 73.14 174.57 27.63 41.40 55.27 93.38 131.50 -27.92 -41.29 48.76 121.90 60.95	23.58
08 13 13	13-0010	EA	3'-6" x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door ..... For Type 304 Stainless Steel Door, Add For Type 316 Stainless Steel Door, Add For Embossed Panel, Add For Galvanized Steel, Add For Baked Enamel Finish, Add For 20 Minutes To 30 Minutes Rated Door And FM Label, Add For 45 Minutes Rated Door And FM Label, Add For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add For >50 To 100, Deduct For >100, Deduct For Insulated Door (Polystyrene Core), Add For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add For Seamless Edge (Welded), Add	549.88 403.06 653.44 120.18 75.11 179.70 27.63 41.40 55.27 93.38 131.50 -28.72 -42.47 50.08 125.19 62.60	24.56
08 13 13	13-0011	EA	4' x 6'-8" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door ..... For Type 304 Stainless Steel Door, Add For Type 316 Stainless Steel Door, Add For Embossed Panel, Add For Galvanized Steel, Add For Baked Enamel Finish, Add For 20 Minutes To 30 Minutes Rated Door And FM Label, Add For 45 Minutes Rated Door And FM Label, Add For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add For >50 To 100, Deduct For >100, Deduct For Insulated Door (Polystyrene Core), Add For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add For Seamless Edge (Welded), Add	606.53 445.44 722.18 132.84 83.02 197.87 27.63 41.40 55.27 93.38 131.50 -31.65 -46.82 55.35 138.37 69.19	26.53
08 13 13	13-0012		7' High, 20 Gauge, Unrated, Hollow Metal Door (08 13 13-0001)		
08 13 13	13-0013	EA	2' x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door ..... For Type 304 Stainless Steel Door, Add For Type 316 Stainless Steel Door, Add For Embossed Panel, Add For Galvanized Steel, Add For Baked Enamel Finish, Add For 20 Minutes To 30 Minutes Rated Door And FM Label, Add For 45 Minutes Rated Door And FM Label, Add For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add For >50 To 100, Deduct For >100, Deduct For Insulated Door (Polystyrene Core), Add For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add For Seamless Edge (Welded), Add	487.18 357.32 579.30 106.55 66.59 159.12 27.63 41.40 55.27 93.38 131.50 -25.44 -37.62 44.40 110.99 55.49	21.61



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0014	EA			2'-4" x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door ..... 487.18		21.61
				<i>For Type 304 Stainless Steel Door, Add</i>	357.32	
				<i>For Type 316 Stainless Steel Door, Add</i>	579.30	
				<i>For Embossed Panel, Add</i>	106.55	
				<i>For Galvanized Steel, Add</i>	66.59	
				<i>For Baked Enamel Finish, Add</i>	159.12	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For &gt;50 To 100, Deduct</i>	-25.44	
				<i>For &gt;100, Deduct</i>	-37.62	
				<i>For Insulated Door (Polystyrene Core), Add</i>	44.40	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	110.99	
				<i>For Seamless Edge (Welded), Add</i>	55.49	
08 13 13 13-0015	EA			2'-6" x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door ..... 498.22		22.60
				<i>For Type 304 Stainless Steel Door, Add</i>	364.68	
				<i>For Type 316 Stainless Steel Door, Add</i>	591.20	
				<i>For Embossed Panel, Add</i>	108.73	
				<i>For Galvanized Steel, Add</i>	67.95	
				<i>For Baked Enamel Finish, Add</i>	163.02	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For &gt;50 To 100, Deduct</i>	-26.04	
				<i>For &gt;100, Deduct</i>	-38.50	
				<i>For Insulated Door (Polystyrene Core), Add</i>	45.30	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	113.26	
				<i>For Seamless Edge (Welded), Add</i>	56.63	
08 13 13 13-0016	EA			2'-8" x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door ..... 504.98		22.60
				<i>For Type 304 Stainless Steel Door, Add</i>	370.09	
				<i>For Type 316 Stainless Steel Door, Add</i>	599.99	
				<i>For Embossed Panel, Add</i>	110.35	
				<i>For Galvanized Steel, Add</i>	68.97	
				<i>For Baked Enamel Finish, Add</i>	165.05	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For &gt;50 To 100, Deduct</i>	-26.38	
				<i>For &gt;100, Deduct</i>	-39.00	
				<i>For Insulated Door (Polystyrene Core), Add</i>	45.98	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	114.95	
				<i>For Seamless Edge (Welded), Add</i>	57.47	
08 13 13 13-0017	EA			2'-10" x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door ..... 508.68		23.08
				<i>For Type 304 Stainless Steel Door, Add</i>	372.31	
				<i>For Type 316 Stainless Steel Door, Add</i>	603.56	
				<i>For Embossed Panel, Add</i>	111.00	
				<i>For Galvanized Steel, Add</i>	69.38	
				<i>For Baked Enamel Finish, Add</i>	166.46	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For &gt;50 To 100, Deduct</i>	-26.59	
				<i>For &gt;100, Deduct</i>	-39.31	
				<i>For Insulated Door (Polystyrene Core), Add</i>	46.25	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	115.63	
				<i>For Seamless Edge (Welded), Add</i>	57.81	
08 13 13 13-0018	EA			3' x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door ..... 512.36		23.58
				<i>For Type 304 Stainless Steel Door, Add</i>	374.52	
				<i>For Type 316 Stainless Steel Door, Add</i>	607.12	
				<i>For Embossed Panel, Add</i>	111.65	
				<i>For Galvanized Steel, Add</i>	69.78	
				<i>For Baked Enamel Finish, Add</i>	167.86	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For &gt;50 To 100, Deduct</i>	-26.80	
				<i>For &gt;100, Deduct</i>	-39.61	
				<i>For Insulated Door (Polystyrene Core), Add</i>	46.52	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	116.30	
				<i>For Seamless Edge (Welded), Add</i>	58.15	

<b>08</b>	<b>Openings</b>
<b>08 10</b>	<b>Doors And Frames</b>
<b>08 13</b>	<b>Metal Doors</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0019	EA	3'-4" x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door ..... For Type 304 Stainless Steel Door, Add For Type 316 Stainless Steel Door, Add For Embossed Panel, Add For Galvanized Steel, Add For Baked Enamel Finish, Add For 20 Minutes To 30 Minutes Rated Door And FM Label, Add For 45 Minutes Rated Door And FM Label, Add For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add For >50 To 100, Deduct For >100, Deduct For Insulated Door (Polystyrene Core), Add For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add For Seamless Edge (Welded), Add	547.52	23.58
08 13 13	13-0020	EA	3'-6" x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door ..... For Type 304 Stainless Steel Door, Add For Type 316 Stainless Steel Door, Add For Embossed Panel, Add For Galvanized Steel, Add For Baked Enamel Finish, Add For 20 Minutes To 30 Minutes Rated Door And FM Label, Add For 45 Minutes Rated Door And FM Label, Add For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add For >50 To 100, Deduct For >100, Deduct For Insulated Door (Polystyrene Core), Add For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add For Seamless Edge (Welded), Add	563.00	24.56
08 13 13	13-0021	EA	4' x 7' x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door ..... For Type 304 Stainless Steel Door, Add For Type 316 Stainless Steel Door, Add For Embossed Panel, Add For Galvanized Steel, Add For Baked Enamel Finish, Add For 20 Minutes To 30 Minutes Rated Door And FM Label, Add For 45 Minutes Rated Door And FM Label, Add For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add For >50 To 100, Deduct For >100, Deduct For Insulated Door (Polystyrene Core), Add For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add For Seamless Edge (Welded), Add	621.03	26.53
08 13 13	13-0022		7'-2" High, 20 Gauge, Unrated, Hollow Metal Doors (08 13 13 13-0001)		
08 13 13	13-0023	EA	2' x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door ..... For Type 304 Stainless Steel Door, Add For Type 316 Stainless Steel Door, Add For Embossed Panel, Add For Galvanized Steel, Add For Baked Enamel Finish, Add For 20 Minutes To 30 Minutes Rated Door And FM Label, Add For 45 Minutes Rated Door And FM Label, Add For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add For >50 To 100, Deduct For >100, Deduct For Insulated Door (Polystyrene Core), Add For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add For Seamless Edge (Welded), Add	498.19	21.61
08 13 13	13-0024	EA	2'-4" x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door ..... For Type 304 Stainless Steel Door, Add For Type 316 Stainless Steel Door, Add For Embossed Panel, Add For Galvanized Steel, Add For Baked Enamel Finish, Add For 20 Minutes To 30 Minutes Rated Door And FM Label, Add For 45 Minutes Rated Door And FM Label, Add For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add For >50 To 100, Deduct For >100, Deduct For Insulated Door (Polystyrene Core), Add For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add For Seamless Edge (Welded), Add	498.19	21.61



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0025	EA			2'-6" x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door ..... 509.46		22.60
				<i>For Type 304 Stainless Steel Door, Add</i>	373.68	
				<i>For Type 316 Stainless Steel Door, Add</i>	605.81	
				<i>For Embossed Panel, Add</i>	111.42	
				<i>For Galvanized Steel, Add</i>	69.64	
				<i>For Baked Enamel Finish, Add</i>	166.40	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For &gt;50 To 100, Deduct</i>	-26.60	
				<i>For &gt;100, Deduct</i>	-39.34	
				<i>For Insulated Door (Polystyrene Core), Add</i>	46.43	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	116.07	
				<i>For Seamless Edge (Welded), Add</i>	58.03	
08 13 13 13-0026	EA			2'-8" x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door ..... 516.38		22.60
				<i>For Type 304 Stainless Steel Door, Add</i>	379.21	
				<i>For Type 316 Stainless Steel Door, Add</i>	614.81	
				<i>For Embossed Panel, Add</i>	113.09	
				<i>For Galvanized Steel, Add</i>	70.68	
				<i>For Baked Enamel Finish, Add</i>	168.47	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For &gt;50 To 100, Deduct</i>	-26.95	
				<i>For &gt;100, Deduct</i>	-39.86	
				<i>For Insulated Door (Polystyrene Core), Add</i>	47.12	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	117.80	
				<i>For Seamless Edge (Welded), Add</i>	58.90	
08 13 13 13-0027	EA			2'-10" x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door ..... 520.14		23.08
				<i>For Type 304 Stainless Steel Door, Add</i>	381.48	
				<i>For Type 316 Stainless Steel Door, Add</i>	618.46	
				<i>For Embossed Panel, Add</i>	113.75	
				<i>For Galvanized Steel, Add</i>	71.09	
				<i>For Baked Enamel Finish, Add</i>	169.90	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For &gt;50 To 100, Deduct</i>	-27.16	
				<i>For &gt;100, Deduct</i>	-40.17	
				<i>For Insulated Door (Polystyrene Core), Add</i>	47.40	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	118.49	
				<i>For Seamless Edge (Welded), Add</i>	59.25	
08 13 13 13-0028	EA			3' x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door ..... 523.90		23.58
				<i>For Type 304 Stainless Steel Door, Add</i>	383.75	
				<i>For Type 316 Stainless Steel Door, Add</i>	622.12	
				<i>For Embossed Panel, Add</i>	114.42	
				<i>For Galvanized Steel, Add</i>	71.51	
				<i>For Baked Enamel Finish, Add</i>	171.32	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For &gt;50 To 100, Deduct</i>	-27.37	
				<i>For &gt;100, Deduct</i>	-40.47	
				<i>For Insulated Door (Polystyrene Core), Add</i>	47.67	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	119.19	
				<i>For Seamless Edge (Welded), Add</i>	59.59	
08 13 13 13-0029	EA			3'-4" x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door ..... 559.93		23.58
				<i>For Type 304 Stainless Steel Door, Add</i>	412.57	
				<i>For Type 316 Stainless Steel Door, Add</i>	668.96	
				<i>For Embossed Panel, Add</i>	123.06	
				<i>For Galvanized Steel, Add</i>	76.92	
				<i>For Baked Enamel Finish, Add</i>	182.13	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For &gt;50 To 100, Deduct</i>	-29.18	
				<i>For &gt;100, Deduct</i>	-43.17	
				<i>For Insulated Door (Polystyrene Core), Add</i>	51.28	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	128.19	
				<i>For Seamless Edge (Welded), Add</i>	64.10	



<b>08</b>	<b>Openings</b>
<b>08 10</b>	<b>Doors And Frames</b>
<b>08 13</b>	<b>Metal Doors</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0030	EA		3'-6" x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door .....	575.75	24.56
			For Type 304 Stainless Steel Door, Add	423.76	
			For Type 316 Stainless Steel Door, Add	687.08	
			For Embossed Panel, Add	126.39	
			For Galvanized Steel, Add	78.99	
			For Baked Enamel Finish, Add	187.46	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-30.02	
			For >100, Deduct	-44.41	
			For Insulated Door (Polystyrene Core), Add	52.66	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	131.66	
			For Seamless Edge (Welded), Add	65.83	
08 13 13 13-0031	EA		4' x 7'-2" x 1-3/4", 20 Gauge, Unrated, Hollow Metal Door .....	635.11	26.53
			For Type 304 Stainless Steel Door, Add	468.30	
			For Type 316 Stainless Steel Door, Add	759.33	
			For Embossed Panel, Add	139.69	
			For Galvanized Steel, Add	87.31	
			For Baked Enamel Finish, Add	206.45	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-33.08	
			For >100, Deduct	-48.96	
			For Insulated Door (Polystyrene Core), Add	58.21	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	145.52	
			For Seamless Edge (Welded), Add	72.76	
08 13 13 13-0032			18 Gauge, Unrated, Hollow Metal Doors (08 13 13 13)		
08 13 13 13-0033			6'-8" High, 18 Gauge, Unrated, Hollow Metal Doors (08 13 13 13-0032)		
08 13 13 13-0034	EA		2' x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door .....	510.84	21.61
			For 18 Gauge, Grade II, Heavy Duty, Add	93.52	
			For Type 304 Stainless Steel Door, Add	376.25	
			For Type 316 Stainless Steel Door, Add	610.05	
			For Embossed Panel, Add	112.23	
			For Galvanized Steel, Add	70.14	
			For Baked Enamel Finish, Add	166.22	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-26.62	
			For >100, Deduct	-39.39	
			For 2" Thick Door, Add	34.98	
			For Insulated Door (Polystyrene Core), Add	46.76	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	116.90	
			For Seamless Edge (Welded), Add	58.45	
			For Steel Stiffened, Add	116.90	
08 13 13 13-0035	EA		2'-4" x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door .....	510.84	21.61
			For 18 Gauge, Grade II, Heavy Duty, Add	93.52	
			For Type 304 Stainless Steel Door, Add	376.25	
			For Type 316 Stainless Steel Door, Add	610.05	
			For Embossed Panel, Add	112.23	
			For Galvanized Steel, Add	70.14	
			For Baked Enamel Finish, Add	166.22	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-26.62	
			For >100, Deduct	-39.39	
			For 2" Thick Door, Add	34.98	
			For Insulated Door (Polystyrene Core), Add	46.76	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	116.90	
			For Seamless Edge (Welded), Add	58.45	
			For Steel Stiffened, Add	116.90	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0036	EA			2'-6" x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door ..... 522.37		22.60
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	95.44	
				<i>For Type 304 Stainless Steel Door, Add</i>	384.00	
				<i>For Type 316 Stainless Steel Door, Add</i>	622.59	
				<i>For Embossed Panel, Add</i>	114.52	
				<i>For Galvanized Steel, Add</i>	71.58	
				<i>For Baked Enamel Finish, Add</i>	170.27	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For &gt;50 To 100, Deduct</i>	-27.25	
				<i>For &gt;100, Deduct</i>	-40.31	
				<i>For 2" Thick Door, Add</i>	35.73	
				<i>For Insulated Door (Polystyrene Core), Add</i>	47.72	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	119.30	
				<i>For Seamless Edge (Welded), Add</i>	59.65	
				<i>For Steel Stiffened, Add</i>	119.30	
08 13 13 13-0037	EA			2'-8" x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door ..... 529.49		22.60
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	96.86	
				<i>For Type 304 Stainless Steel Door, Add</i>	389.70	
				<i>For Type 316 Stainless Steel Door, Add</i>	631.85	
				<i>For Embossed Panel, Add</i>	116.23	
				<i>For Galvanized Steel, Add</i>	72.65	
				<i>For Baked Enamel Finish, Add</i>	172.40	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For &gt;50 To 100, Deduct</i>	-27.60	
				<i>For &gt;100, Deduct</i>	-40.84	
				<i>For 2" Thick Door, Add</i>	36.24	
				<i>For Insulated Door (Polystyrene Core), Add</i>	48.43	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	121.08	
				<i>For Seamless Edge (Welded), Add</i>	60.54	
				<i>For Steel Stiffened, Add</i>	121.08	
08 13 13 13-0038	EA			2'-10" x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door ..... 533.32		23.08
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	97.43	
				<i>For Type 304 Stainless Steel Door, Add</i>	392.02	
				<i>For Type 316 Stainless Steel Door, Add</i>	635.59	
				<i>For Embossed Panel, Add</i>	116.91	
				<i>For Galvanized Steel, Add</i>	73.07	
				<i>For Baked Enamel Finish, Add</i>	173.85	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For &gt;50 To 100, Deduct</i>	-27.82	
				<i>For &gt;100, Deduct</i>	-41.15	
				<i>For 2" Thick Door, Add</i>	36.47	
				<i>For Insulated Door (Polystyrene Core), Add</i>	48.71	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	121.79	
				<i>For Seamless Edge (Welded), Add</i>	60.89	
				<i>For Steel Stiffened, Add</i>	121.79	
08 13 13 13-0039	EA			3' x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door ..... 537.16		23.58
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	98.00	
				<i>For Type 304 Stainless Steel Door, Add</i>	394.36	
				<i>For Type 316 Stainless Steel Door, Add</i>	639.36	
				<i>For Embossed Panel, Add</i>	117.60	
				<i>For Galvanized Steel, Add</i>	73.50	
				<i>For Baked Enamel Finish, Add</i>	175.30	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For &gt;50 To 100, Deduct</i>	-28.04	
				<i>For &gt;100, Deduct</i>	-41.47	
				<i>For 2" Thick Door, Add</i>	36.70	
				<i>For Insulated Door (Polystyrene Core), Add</i>	49.00	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	122.50	
				<i>For Seamless Edge (Welded), Add</i>	61.25	
				<i>For Steel Stiffened, Add</i>	122.50	

<b>08</b>	<b>Openings</b>
<b>08 10</b>	<b>Doors And Frames</b>
<b>08 13</b>	<b>Metal Doors</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0040	EA		3'-4" x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door .....	574.19	23.58
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	105.41	
			<i>For Type 304 Stainless Steel Door, Add</i>	423.98	
			<i>For Type 316 Stainless Steel Door, Add</i>	687.50	
			<i>For Embossed Panel, Add</i>	126.49	
			<i>For Galvanized Steel, Add</i>	79.05	
			<i>For Baked Enamel Finish, Add</i>	186.41	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-29.89	
			<i>For &gt;100, Deduct</i>	-44.24	
			<i>For 2" Thick Door, Add</i>	39.39	
			<i>For Insulated Door (Polystyrene Core), Add</i>	52.70	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	131.76	
			<i>For Seamless Edge (Welded), Add</i>	65.88	
			<i>For Steel Stiffened, Add</i>	131.76	
08 13 13 13-0041	EA		3'-6" x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door .....	590.40	24.56
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	108.26	
			<i>For Type 304 Stainless Steel Door, Add</i>	435.48	
			<i>For Type 316 Stainless Steel Door, Add</i>	706.12	
			<i>For Embossed Panel, Add</i>	129.91	
			<i>For Galvanized Steel, Add</i>	81.19	
			<i>For Baked Enamel Finish, Add</i>	191.86	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-30.75	
			<i>For &gt;100, Deduct</i>	-45.51	
			<i>For 2" Thick Door, Add</i>	40.47	
			<i>For Insulated Door (Polystyrene Core), Add</i>	54.13	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	135.32	
			<i>For Seamless Edge (Welded), Add</i>	67.66	
			<i>For Steel Stiffened, Add</i>	135.32	
08 13 13 13-0042	EA		4' x 6'-8" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door .....	651.30	26.53
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	119.65	
			<i>For Type 304 Stainless Steel Door, Add</i>	481.25	
			<i>For Type 316 Stainless Steel Door, Add</i>	780.38	
			<i>For Embossed Panel, Add</i>	143.58	
			<i>For Galvanized Steel, Add</i>	89.74	
			<i>For Baked Enamel Finish, Add</i>	211.31	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-33.89	
			<i>For &gt;100, Deduct</i>	-50.17	
			<i>For 2" Thick Door, Add</i>	44.70	
			<i>For Insulated Door (Polystyrene Core), Add</i>	59.83	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	149.56	
			<i>For Seamless Edge (Welded), Add</i>	74.78	
			<i>For Steel Stiffened, Add</i>	149.56	
08 13 13 13-0043			<b>7' High, 18 Gauge, Unrated, Hollow Metal Doors</b> (08 13 13 13-0032)		
08 13 13 13-0044	EA		2' x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door.....	521.94	21.61
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	95.74	
			<i>For Type 304 Stainless Steel Door, Add</i>	385.13	
			<i>For Type 316 Stainless Steel Door, Add</i>	624.48	
			<i>For Embossed Panel, Add</i>	114.89	
			<i>For Galvanized Steel, Add</i>	71.81	
			<i>For Baked Enamel Finish, Add</i>	169.55	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-27.18	
			<i>For &gt;100, Deduct</i>	-40.23	
			<i>For 2" Thick Door, Add</i>	35.79	
			<i>For Insulated Door (Polystyrene Core), Add</i>	47.87	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	119.68	
			<i>For Seamless Edge (Welded), Add</i>	59.84	
			<i>For Steel Stiffened, Add</i>	119.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0045 EA 2'-4" x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door .....	521.94	21.61
For 18 Gauge, Grade II, Heavy Duty, Add	95.74	
For Type 304 Stainless Steel Door, Add	385.13	
For Type 316 Stainless Steel Door, Add	624.48	
For Embossed Panel, Add	114.89	
For Galvanized Steel, Add	71.81	
For Baked Enamel Finish, Add	169.55	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-27.18	
For >100, Deduct	-40.23	
For 2" Thick Door, Add	35.79	
For Insulated Door (Polystyrene Core), Add	47.87	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	119.68	
For Seamless Edge (Welded), Add	59.84	
For Steel Stiffened, Add	119.68	
08 13 13 13-0046 EA 2'-6" x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door .....	533.69	22.60
For 18 Gauge, Grade II, Heavy Duty, Add	97.70	
For Type 304 Stainless Steel Door, Add	393.06	
For Type 316 Stainless Steel Door, Add	637.31	
For Embossed Panel, Add	117.24	
For Galvanized Steel, Add	73.28	
For Baked Enamel Finish, Add	173.66	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-27.81	
For >100, Deduct	-41.16	
For 2" Thick Door, Add	36.55	
For Insulated Door (Polystyrene Core), Add	48.85	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	122.13	
For Seamless Edge (Welded), Add	61.06	
For Steel Stiffened, Add	122.13	
08 13 13 13-0047 EA 2'-8" x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door .....	540.98	22.60
For 18 Gauge, Grade II, Heavy Duty, Add	99.16	
For Type 304 Stainless Steel Door, Add	398.89	
For Type 316 Stainless Steel Door, Add	646.79	
For Embossed Panel, Add	118.99	
For Galvanized Steel, Add	74.37	
For Baked Enamel Finish, Add	175.85	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-28.18	
For >100, Deduct	-41.70	
For 2" Thick Door, Add	37.07	
For Insulated Door (Polystyrene Core), Add	49.58	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	123.95	
For Seamless Edge (Welded), Add	61.97	
For Steel Stiffened, Add	123.95	
08 13 13 13-0048 EA 2'-10" x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door .....	544.89	23.08
For 18 Gauge, Grade II, Heavy Duty, Add	99.74	
For Type 304 Stainless Steel Door, Add	401.28	
For Type 316 Stainless Steel Door, Add	650.63	
For Embossed Panel, Add	119.69	
For Galvanized Steel, Add	74.81	
For Baked Enamel Finish, Add	177.32	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-28.40	
For >100, Deduct	-42.02	
For 2" Thick Door, Add	37.31	
For Insulated Door (Polystyrene Core), Add	49.87	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	124.68	
For Seamless Edge (Welded), Add	62.34	
For Steel Stiffened, Add	124.68	

<b>08</b>	<b>Openings</b>
<b>08 10</b>	<b>Doors And Frames</b>
<b>08 13</b>	<b>Metal Doors</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0049	EA		3' x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door.....	548.78	23.58
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	100.32	
			<i>For Type 304 Stainless Steel Door, Add</i>	403.65	
			<i>For Type 316 Stainless Steel Door, Add</i>	654.46	
			<i>For Embossed Panel, Add</i>	120.39	
			<i>For Galvanized Steel, Add</i>	75.24	
			<i>For Baked Enamel Finish, Add</i>	178.78	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-28.62	
			<i>For &gt;100, Deduct</i>	-42.34	
			<i>For 2" Thick Door, Add</i>	37.55	
			<i>For Insulated Door (Polystyrene Core), Add</i>	50.16	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	125.41	
			<i>For Seamless Edge (Welded), Add</i>	62.70	
			<i>For Steel Stiffened, Add</i>	125.41	
08 13 13 13-0050	EA		3'-4" x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door .....	586.70	23.58
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	107.91	
			<i>For Type 304 Stainless Steel Door, Add</i>	433.99	
			<i>For Type 316 Stainless Steel Door, Add</i>	703.76	
			<i>For Embossed Panel, Add</i>	129.49	
			<i>For Galvanized Steel, Add</i>	80.93	
			<i>For Baked Enamel Finish, Add</i>	190.16	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-30.51	
			<i>For &gt;100, Deduct</i>	-45.18	
			<i>For 2" Thick Door, Add</i>	40.30	
			<i>For Insulated Door (Polystyrene Core), Add</i>	53.95	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	134.89	
			<i>For Seamless Edge (Welded), Add</i>	67.44	
			<i>For Steel Stiffened, Add</i>	134.89	
08 13 13 13-0051	EA		3'-6" x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door .....	603.24	24.56
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	110.82	
			<i>For Type 304 Stainless Steel Door, Add</i>	445.75	
			<i>For Type 316 Stainless Steel Door, Add</i>	722.81	
			<i>For Embossed Panel, Add</i>	132.99	
			<i>For Galvanized Steel, Add</i>	83.12	
			<i>For Baked Enamel Finish, Add</i>	195.71	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-31.39	
			<i>For &gt;100, Deduct</i>	-46.47	
			<i>For 2" Thick Door, Add</i>	41.40	
			<i>For Insulated Door (Polystyrene Core), Add</i>	55.41	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	138.53	
			<i>For Seamless Edge (Welded), Add</i>	69.27	
			<i>For Steel Stiffened, Add</i>	138.53	
08 13 13 13-0052	EA		4' x 7' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door .....	665.50	26.53
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	122.49	
			<i>For Type 304 Stainless Steel Door, Add</i>	492.61	
			<i>For Type 316 Stainless Steel Door, Add</i>	798.84	
			<i>For Embossed Panel, Add</i>	146.99	
			<i>For Galvanized Steel, Add</i>	91.87	
			<i>For Baked Enamel Finish, Add</i>	215.57	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-34.60	
			<i>For &gt;100, Deduct</i>	-51.24	
			<i>For 2" Thick Door, Add</i>	45.73	
			<i>For Insulated Door (Polystyrene Core), Add</i>	61.25	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	153.11	
			<i>For Seamless Edge (Welded), Add</i>	76.56	
			<i>For Steel Stiffened, Add</i>	153.11	

08 13 13 13-0053 7'-2" High, 18 Gauge, Unrated, Hollow Metal Doors (08 13 13 13-0032)



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0054	EA			2' x 7'-2" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door .....533.04		21.61
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	97.96	
				<i>For Type 304 Stainless Steel Door, Add</i>	394.01	
				<i>For Type 316 Stainless Steel Door, Add</i>	638.91	
				<i>For Embossed Panel, Add</i>	117.55	
				<i>For Galvanized Steel, Add</i>	73.47	
				<i>For Baked Enamel Finish, Add</i>	172.88	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For &gt;50 To 100, Deduct</i>	-27.73	
				<i>For &gt;100, Deduct</i>	-41.06	
				<i>For 2" Thick Door, Add</i>	36.59	
				<i>For Insulated Door (Polystyrene Core), Add</i>	48.98	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	122.45	
				<i>For Seamless Edge (Welded), Add</i>	61.23	
				<i>For Steel Stiffened, Add</i>	122.45	
08 13 13 13-0055	EA			2'-4" x 7'-2" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door .....533.04		21.61
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	97.96	
				<i>For Type 304 Stainless Steel Door, Add</i>	394.01	
				<i>For Type 316 Stainless Steel Door, Add</i>	638.91	
				<i>For Embossed Panel, Add</i>	117.55	
				<i>For Galvanized Steel, Add</i>	73.47	
				<i>For Baked Enamel Finish, Add</i>	172.88	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For &gt;50 To 100, Deduct</i>	-27.73	
				<i>For &gt;100, Deduct</i>	-41.06	
				<i>For 2" Thick Door, Add</i>	36.59	
				<i>For Insulated Door (Polystyrene Core), Add</i>	48.98	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	122.45	
				<i>For Seamless Edge (Welded), Add</i>	61.23	
				<i>For Steel Stiffened, Add</i>	122.45	
08 13 13 13-0056	EA			2'-6" x 7'-2" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door .....545.02		22.60
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	99.97	
				<i>For Type 304 Stainless Steel Door, Add</i>	402.12	
				<i>For Type 316 Stainless Steel Door, Add</i>	652.04	
				<i>For Embossed Panel, Add</i>	119.96	
				<i>For Galvanized Steel, Add</i>	74.97	
				<i>For Baked Enamel Finish, Add</i>	177.06	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For &gt;50 To 100, Deduct</i>	-28.38	
				<i>For &gt;100, Deduct</i>	-42.01	
				<i>For 2" Thick Door, Add</i>	37.37	
				<i>For Insulated Door (Polystyrene Core), Add</i>	49.98	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	124.96	
				<i>For Seamless Edge (Welded), Add</i>	62.48	
				<i>For Steel Stiffened, Add</i>	124.96	
08 13 13 13-0057	EA			2'-8" x 7'-2" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door .....552.48		22.60
				<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	101.46	
				<i>For Type 304 Stainless Steel Door, Add</i>	408.09	
				<i>For Type 316 Stainless Steel Door, Add</i>	661.74	
				<i>For Embossed Panel, Add</i>	121.75	
				<i>For Galvanized Steel, Add</i>	76.09	
				<i>For Baked Enamel Finish, Add</i>	179.30	
				<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
				<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
				<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
				<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
				<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
				<i>For &gt;50 To 100, Deduct</i>	-28.75	
				<i>For &gt;100, Deduct</i>	-42.57	
				<i>For 2" Thick Door, Add</i>	37.91	
				<i>For Insulated Door (Polystyrene Core), Add</i>	50.73	
				<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	126.82	
				<i>For Seamless Edge (Welded), Add</i>	63.41	
				<i>For Steel Stiffened, Add</i>	126.82	

<b>08</b>	<b>Openings</b>
<b>08 10</b>	<b>Doors And Frames</b>
<b>08 13</b>	<b>Metal Doors</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0058	EA	2'-10" x 7'-2" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Doors .....	556.46	23.08
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	102.06	
			<i>For Type 304 Stainless Steel Door, Add</i>	410.53	
			<i>For Type 316 Stainless Steel Door, Add</i>	665.67	
			<i>For Embossed Panel, Add</i>	122.47	
			<i>For Galvanized Steel, Add</i>	76.54	
			<i>For Baked Enamel Finish, Add</i>	180.79	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-28.98	
			<i>For &gt;100, Deduct</i>	-42.89	
			<i>For 2" Thick Door, Add</i>	38.15	
			<i>For Insulated Door (Polystyrene Core), Add</i>	51.03	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	127.57	
			<i>For Seamless Edge (Welded), Add</i>	63.79	
			<i>For Steel Stiffened, Add</i>	127.57	
08 13 13	13-0059	EA	3' x 7'-2" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door .....	560.41	23.58
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	102.65	
			<i>For Type 304 Stainless Steel Door, Add</i>	412.96	
			<i>For Type 316 Stainless Steel Door, Add</i>	669.58	
			<i>For Embossed Panel, Add</i>	123.18	
			<i>For Galvanized Steel, Add</i>	76.99	
			<i>For Baked Enamel Finish, Add</i>	182.27	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-29.20	
			<i>For &gt;100, Deduct</i>	-43.21	
			<i>For 2" Thick Door, Add</i>	38.39	
			<i>For Insulated Door (Polystyrene Core), Add</i>	51.33	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	128.31	
			<i>For Seamless Edge (Welded), Add</i>	64.16	
			<i>For Steel Stiffened, Add</i>	128.31	
08 13 13	13-0060	EA	3'-4" x 7'-2" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door .....	599.21	23.58
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	110.41	
			<i>For Type 304 Stainless Steel Door, Add</i>	444.00	
			<i>For Type 316 Stainless Steel Door, Add</i>	720.02	
			<i>For Embossed Panel, Add</i>	132.49	
			<i>For Galvanized Steel, Add</i>	82.81	
			<i>For Baked Enamel Finish, Add</i>	193.91	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-31.14	
			<i>For &gt;100, Deduct</i>	-46.12	
			<i>For 2" Thick Door, Add</i>	41.20	
			<i>For Insulated Door (Polystyrene Core), Add</i>	55.21	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	138.01	
			<i>For Seamless Edge (Welded), Add</i>	69.01	
			<i>For Steel Stiffened, Add</i>	138.01	
08 13 13	13-0061	EA	3'-6" x 7'-2" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door .....	616.09	24.56
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	113.39	
			<i>For Type 304 Stainless Steel Door, Add</i>	456.03	
			<i>For Type 316 Stainless Steel Door, Add</i>	739.52	
			<i>For Embossed Panel, Add</i>	136.07	
			<i>For Galvanized Steel, Add</i>	85.05	
			<i>For Baked Enamel Finish, Add</i>	199.56	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-32.03	
			<i>For &gt;100, Deduct</i>	-47.43	
			<i>For 2" Thick Door, Add</i>	42.33	
			<i>For Insulated Door (Polystyrene Core), Add</i>	56.70	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	141.74	
			<i>For Seamless Edge (Welded), Add</i>	70.87	
			<i>For Steel Stiffened, Add</i>	141.74	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Doors And Frames</b>	<b>08 10</b>	
<b>Metal Doors</b>	<b>08 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0062 EA 4' x 7'-2" x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door .....	679.70	26.53
For 18 Gauge, Grade II, Heavy Duty, Add	125.33	
For Type 304 Stainless Steel Door, Add	503.97	
For Type 316 Stainless Steel Door, Add	817.30	
For Embossed Panel, Add	150.40	
For Galvanized Steel, Add	94.00	
For Baked Enamel Finish, Add	219.83	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-35.31	
For >100, Deduct	-52.30	
For 2" Thick Door, Add	46.76	
For Insulated Door (Polystyrene Core), Add	62.67	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	156.66	
For Seamless Edge (Welded), Add	78.33	
For Steel Stiffened, Add	156.66	
<b>08 13 13 13-0063 8' High, 18 Gauge, Unrated, Hollow Metal Doors (08 13 13 13-0032)</b>		
08 13 13 13-0064 EA 2' x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door .....	624.58	21.61
For 18 Gauge, Grade II, Heavy Duty, Add	116.27	
For Up To 1' Extra Height, Add	160.86	
For 1' To 1'-6" Extra Height, Add	306.89	
For Type 304 Stainless Steel Door, Add	467.24	
For Type 316 Stainless Steel Door, Add	757.92	
For Embossed Panel, Add	139.52	
For Galvanized Steel, Add	87.20	
For Baked Enamel Finish, Add	200.34	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-32.31	
For >100, Deduct	-47.92	
For 2" Thick Door, Add	43.23	
For Insulated Door (Polystyrene Core), Add	58.14	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	145.34	
For Seamless Edge (Welded), Add	72.67	
For Steel Stiffened, Add	145.34	
08 13 13 13-0065 EA 2'-4" x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door .....	624.58	21.61
For 18 Gauge, Grade II, Heavy Duty, Add	116.27	
For Up To 1' Extra Height, Add	160.86	
For 1' To 1'-6" Extra Height, Add	306.89	
For Type 304 Stainless Steel Door, Add	467.24	
For Type 316 Stainless Steel Door, Add	757.92	
For Embossed Panel, Add	139.52	
For Galvanized Steel, Add	87.20	
For Baked Enamel Finish, Add	200.34	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-32.31	
For >100, Deduct	-47.92	
For 2" Thick Door, Add	43.23	
For Insulated Door (Polystyrene Core), Add	58.14	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	145.34	
For Seamless Edge (Welded), Add	72.67	
For Steel Stiffened, Add	145.34	
08 13 13 13-0066 EA 2'-6" x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door .....	638.43	22.60
For 18 Gauge, Grade II, Heavy Duty, Add	118.65	
For Up To 1' Extra Height, Add	164.15	
For 1' To 1'-6" Extra Height, Add	313.17	
For Type 304 Stainless Steel Door, Add	476.85	
For Type 316 Stainless Steel Door, Add	773.47	
For Embossed Panel, Add	142.38	
For Galvanized Steel, Add	88.99	
For Baked Enamel Finish, Add	205.09	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-33.05	
For >100, Deduct	-49.01	
For 2" Thick Door, Add	44.14	
For Insulated Door (Polystyrene Core), Add	59.32	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	148.31	
For Seamless Edge (Welded), Add	74.16	
For Steel Stiffened, Add	148.31	



<b>08</b>	<b>Openings</b>
<b>08 10</b>	<b>Doors And Frames</b>
<b>08 13</b>	<b>Metal Doors</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 13 13 13-0067	EA		2'-8" x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door .....	647.29	22.60
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	120.42	
			<i>For Up To 1' Extra Height, Add</i>	166.60	
			<i>For 1' To 1'-6" Extra Height, Add</i>	317.85	
			<i>For Type 304 Stainless Steel Door, Add</i>	483.94	
			<i>For Type 316 Stainless Steel Door, Add</i>	784.99	
			<i>For Embossed Panel, Add</i>	144.50	
			<i>For Galvanized Steel, Add</i>	90.32	
			<i>For Baked Enamel Finish, Add</i>	207.74	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-33.49	
			<i>For &gt;100, Deduct</i>	-49.68	
			<i>For 2" Thick Door, Add</i>	44.78	
			<i>For Insulated Door (Polystyrene Core), Add</i>	60.21	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	150.53	
			<i>For Seamless Edge (Welded), Add</i>	75.26	
			<i>For Steel Stiffened, Add</i>	150.53	
08 13 13 13-0068	EA		2'-10" x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door .....	651.81	23.08
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	121.13	
			<i>For Up To 1' Extra Height, Add</i>	167.58	
			<i>For 1' To 1'-6" Extra Height, Add</i>	319.71	
			<i>For Type 304 Stainless Steel Door, Add</i>	486.81	
			<i>For Type 316 Stainless Steel Door, Add</i>	789.63	
			<i>For Embossed Panel, Add</i>	145.35	
			<i>For Galvanized Steel, Add</i>	90.84	
			<i>For Baked Enamel Finish, Add</i>	209.40	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-33.75	
			<i>For &gt;100, Deduct</i>	-50.04	
			<i>For 2" Thick Door, Add</i>	45.06	
			<i>For Insulated Door (Polystyrene Core), Add</i>	60.56	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	151.41	
			<i>For Seamless Edge (Welded), Add</i>	75.70	
			<i>For Steel Stiffened, Add</i>	151.41	
08 13 13 13-0069	EA		3' x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door .....	656.34	23.58
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	121.84	
			<i>For Up To 1' Extra Height, Add</i>	168.56	
			<i>For 1' To 1'-6" Extra Height, Add</i>	321.59	
			<i>For Type 304 Stainless Steel Door, Add</i>	489.70	
			<i>For Type 316 Stainless Steel Door, Add</i>	794.29	
			<i>For Embossed Panel, Add</i>	146.20	
			<i>For Galvanized Steel, Add</i>	91.38	
			<i>For Baked Enamel Finish, Add</i>	211.05	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-34.00	
			<i>For &gt;100, Deduct</i>	-50.40	
			<i>For 2" Thick Door, Add</i>	45.34	
			<i>For Insulated Door (Polystyrene Core), Add</i>	60.92	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	152.30	
			<i>For Seamless Edge (Welded), Add</i>	76.15	
			<i>For Steel Stiffened, Add</i>	152.30	
08 13 13 13-0070	EA		3'-4" x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door .....	702.38	23.58
			<i>For 18 Gauge, Grade II, Heavy Duty, Add</i>	131.04	
			<i>For Up To 1' Extra Height, Add</i>	181.30	
			<i>For 1' To 1'-6" Extra Height, Add</i>	345.89	
			<i>For Type 304 Stainless Steel Door, Add</i>	526.53	
			<i>For Type 316 Stainless Steel Door, Add</i>	854.14	
			<i>For Embossed Panel, Add</i>	157.25	
			<i>For Galvanized Steel, Add</i>	98.28	
			<i>For Baked Enamel Finish, Add</i>	224.86	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-36.30	
			<i>For &gt;100, Deduct</i>	-53.86	
			<i>For 2" Thick Door, Add</i>	48.68	
			<i>For Insulated Door (Polystyrene Core), Add</i>	65.52	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	163.81	
			<i>For Seamless Edge (Welded), Add</i>	81.90	
			<i>For Steel Stiffened, Add</i>	163.81	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Doors And Frames</b>	<b>08 10</b>	
<b>Metal Doors</b>	<b>08 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0071 EA 3'-6" x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door .....	722.05	24.56
For 18 Gauge, Grade II, Heavy Duty, Add	134.59	
For Up To 1' Extra Height, Add	186.20	
For 1' To 1'-6" Extra Height, Add	355.24	
For Type 304 Stainless Steel Door, Add	540.80	
For Type 316 Stainless Steel Door, Add	877.27	
For Embossed Panel, Add	161.50	
For Galvanized Steel, Add	100.94	
For Baked Enamel Finish, Add	231.35	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-37.33	
For >100, Deduct	-55.38	
For 2" Thick Door, Add	50.02	
For Insulated Door (Polystyrene Core), Add	67.29	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	168.23	
For Seamless Edge (Welded), Add	84.12	
For Steel Stiffened, Add	168.23	
08 13 13 13-0072 EA 4' x 8' x 1-3/4", 18 Gauge, Unrated, Hollow Metal Door .....	796.81	26.53
For 18 Gauge, Grade II, Heavy Duty, Add	148.75	
For Up To 1' Extra Height, Add	205.80	
For 1' To 1'-6" Extra Height, Add	392.63	
For Type 304 Stainless Steel Door, Add	597.66	
For Type 316 Stainless Steel Door, Add	969.54	
For Embossed Panel, Add	178.50	
For Galvanized Steel, Add	111.56	
For Baked Enamel Finish, Add	254.96	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-41.17	
For >100, Deduct	-61.09	
For 2" Thick Door, Add	55.25	
For Insulated Door (Polystyrene Core), Add	74.38	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	185.94	
For Seamless Edge (Welded), Add	92.97	
For Steel Stiffened, Add	185.94	
08 13 13 13-0073 16 Gauge, Unrated, Hollow Metal Doors (08 13 13 13)		
08 13 13 13-0074 6'-8" High, 16 Gauge, Unrated, Hollow Metal Doors (08 13 13 13-0073)		
08 13 13 13-0075 EA 2' x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door .....	690.87	21.61
For 16 Gauge, Grade III, Extra Heavy Duty, Add	194.29	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	259.06	
For Type 304 Stainless Steel Door, Add	520.27	
For Type 316 Stainless Steel Door, Add	844.09	
For Embossed Panel, Add	155.43	
For Galvanized Steel, Add	97.15	
For Baked Enamel Finish, Add	220.23	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-35.62	
For >100, Deduct	-52.90	
For 2" Thick Door, Add	48.03	
For Insulated Door (Polystyrene Core), Add	64.76	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	161.91	
For Seamless Edge (Welded), Add	80.96	
For Steel Stiffened, Add	161.91	
08 13 13 13-0076 EA 2'-4" x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door .....	690.87	21.61
For 16 Gauge, Grade III, Extra Heavy Duty, Add	194.29	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	259.06	
For Type 304 Stainless Steel Door, Add	520.27	
For Type 316 Stainless Steel Door, Add	844.09	
For Embossed Panel, Add	155.43	
For Galvanized Steel, Add	97.15	
For Baked Enamel Finish, Add	220.23	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-35.62	
For >100, Deduct	-52.90	
For 2" Thick Door, Add	48.03	
For Insulated Door (Polystyrene Core), Add	64.76	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	161.91	
For Seamless Edge (Welded), Add	80.96	
For Steel Stiffened, Add	161.91	

**08 Openings**  
**08 10 Doors And Frames**  
**08 13 Metal Doors**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13	13-0077	EA	2'-6" x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door .....	706.08	22.60
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	198.27	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	264.36	
			<i>For Type 304 Stainless Steel Door, Add</i>	530.97	
			<i>For Type 316 Stainless Steel Door, Add</i>	861.42	
			<i>For Embossed Panel, Add</i>	158.61	
			<i>For Galvanized Steel, Add</i>	99.13	
			<i>For Baked Enamel Finish, Add</i>	225.38	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-36.43	
			<i>For &gt;100, Deduct</i>	-54.09	
			<i>For 2" Thick Door, Add</i>	49.04	
			<i>For Insulated Door (Polystyrene Core), Add</i>	66.09	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	165.22	
			<i>For Seamless Edge (Welded), Add</i>	82.61	
			<i>For Steel Stiffened, Add</i>	165.22	
08 13 13	13-0078	EA	2'-8" x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door .....	715.94	22.60
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	201.23	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	268.30	
			<i>For Type 304 Stainless Steel Door, Add</i>	538.86	
			<i>For Type 316 Stainless Steel Door, Add</i>	874.23	
			<i>For Embossed Panel, Add</i>	160.98	
			<i>For Galvanized Steel, Add</i>	100.61	
			<i>For Baked Enamel Finish, Add</i>	228.34	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-36.93	
			<i>For &gt;100, Deduct</i>	-54.83	
			<i>For 2" Thick Door, Add</i>	49.76	
			<i>For Insulated Door (Polystyrene Core), Add</i>	67.08	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	167.69	
			<i>For Seamless Edge (Welded), Add</i>	83.84	
			<i>For Steel Stiffened, Add</i>	167.69	
08 13 13	13-0079	EA	2'-10" x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door .....	720.89	23.08
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	202.41	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	269.88	
			<i>For Type 304 Stainless Steel Door, Add</i>	542.08	
			<i>For Type 316 Stainless Steel Door, Add</i>	879.43	
			<i>For Embossed Panel, Add</i>	161.93	
			<i>For Galvanized Steel, Add</i>	101.21	
			<i>For Baked Enamel Finish, Add</i>	230.12	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-37.20	
			<i>For &gt;100, Deduct</i>	-55.22	
			<i>For 2" Thick Door, Add</i>	50.07	
			<i>For Insulated Door (Polystyrene Core), Add</i>	67.47	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	168.68	
			<i>For Seamless Edge (Welded), Add</i>	84.34	
			<i>For Steel Stiffened, Add</i>	168.68	
08 13 13	13-0080	EA	3' x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door .....	725.81	23.58
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	203.60	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	271.46	
			<i>For Type 304 Stainless Steel Door, Add</i>	545.28	
			<i>For Type 316 Stainless Steel Door, Add</i>	884.60	
			<i>For Embossed Panel, Add</i>	162.88	
			<i>For Galvanized Steel, Add</i>	101.80	
			<i>For Baked Enamel Finish, Add</i>	231.89	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-37.47	
			<i>For &gt;100, Deduct</i>	-55.61	
			<i>For 2" Thick Door, Add</i>	50.38	
			<i>For Insulated Door (Polystyrene Core), Add</i>	67.87	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	169.66	
			<i>For Seamless Edge (Welded), Add</i>	84.83	
			<i>For Steel Stiffened, Add</i>	169.66	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Doors And Frames</b>	<b>08 10</b>	
<b>Metal Doors</b>	<b>08 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0081 EA 3'-4" x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door.....	777.10	23.58
For 16 Gauge, Grade III, Extra Heavy Duty, Add	218.98	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	291.98	
For Type 304 Stainless Steel Door, Add	586.31	
For Type 316 Stainless Steel Door, Add	951.28	
For Embossed Panel, Add	175.19	
For Galvanized Steel, Add	109.49	
For Baked Enamel Finish, Add	247.28	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-40.03	
For >100, Deduct	-59.46	
For 2" Thick Door, Add	54.10	
For Insulated Door (Polystyrene Core), Add	72.99	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	182.49	
For Seamless Edge (Welded), Add	91.24	
For Steel Stiffened, Add	182.49	
08 13 13 13-0082 EA 3'-6" x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door.....	798.79	24.56
For 16 Gauge, Grade III, Extra Heavy Duty, Add	224.90	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	299.87	
For Type 304 Stainless Steel Door, Add	602.19	
For Type 316 Stainless Steel Door, Add	977.03	
For Embossed Panel, Add	179.92	
For Galvanized Steel, Add	112.45	
For Baked Enamel Finish, Add	254.37	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-41.17	
For >100, Deduct	-61.14	
For 2" Thick Door, Add	55.58	
For Insulated Door (Polystyrene Core), Add	74.97	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	187.42	
For Seamless Edge (Welded), Add	93.71	
For Steel Stiffened, Add	187.42	
08 13 13 13-0083 EA 4' x 6'-8" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door.....	881.63	26.53
For 16 Gauge, Grade III, Extra Heavy Duty, Add	248.57	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	331.43	
For Type 304 Stainless Steel Door, Add	665.52	
For Type 316 Stainless Steel Door, Add	1,079.81	
For Embossed Panel, Add	198.86	
For Galvanized Steel, Add	124.29	
For Baked Enamel Finish, Add	280.40	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-45.41	
For >100, Deduct	-67.45	
For 2" Thick Door, Add	61.40	
For Insulated Door (Polystyrene Core), Add	82.86	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	207.15	
For Seamless Edge (Welded), Add	103.57	
For Steel Stiffened, Add	207.15	
<b>08 13 13 13-0084 7' High, 16 Gauge, Unrated, Hollow Metal Doors (08 13 13 13-0073)</b>		
08 13 13 13-0085 EA 2' x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door.....	706.25	21.61
For 16 Gauge, Grade III, Extra Heavy Duty, Add	198.91	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	265.21	
For Type 304 Stainless Steel Door, Add	532.58	
For Type 316 Stainless Steel Door, Add	864.09	
For Embossed Panel, Add	159.12	
For Galvanized Steel, Add	99.45	
For Baked Enamel Finish, Add	224.84	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-36.39	
For >100, Deduct	-54.05	
For 2" Thick Door, Add	49.15	
For Insulated Door (Polystyrene Core), Add	66.30	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	165.76	
For Seamless Edge (Welded), Add	82.88	
For Steel Stiffened, Add	165.76	

**08 Openings**  
**08 10 Doors And Frames**  
**08 13 Metal Doors**



MINOR TOTAL DIRECT DEMOLITION  
 CSI UOM DESCRIPTION UNIT COST UNIT COST

08 13 13 13-0086	EA	2'-4" x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	706.25	21.61
		<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	198.91	
		<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	265.21	
		<i>For Type 304 Stainless Steel Door, Add</i>	532.58	
		<i>For Type 316 Stainless Steel Door, Add</i>	864.09	
		<i>For Embossed Panel, Add</i>	159.12	
		<i>For Galvanized Steel, Add</i>	99.45	
		<i>For Baked Enamel Finish, Add</i>	224.84	
		<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
		<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
		<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
		<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
		<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
		<i>For &gt;50 To 100, Deduct</i>	-36.39	
		<i>For &gt;100, Deduct</i>	-54.05	
		<i>For 2" Thick Door, Add</i>	49.15	
		<i>For Insulated Door (Polystyrene Core), Add</i>	66.30	
		<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	165.76	
		<i>For Seamless Edge (Welded), Add</i>	82.88	
		<i>For Steel Stiffened, Add</i>	165.76	
08 13 13 13-0087	EA	2'-6" x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	721.77	22.60
		<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	202.97	
		<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	270.63	
		<i>For Type 304 Stainless Steel Door, Add</i>	543.52	
		<i>For Type 316 Stainless Steel Door, Add</i>	881.81	
		<i>For Embossed Panel, Add</i>	162.38	
		<i>For Galvanized Steel, Add</i>	101.49	
		<i>For Baked Enamel Finish, Add</i>	230.09	
		<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
		<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
		<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
		<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
		<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
		<i>For &gt;50 To 100, Deduct</i>	-37.22	
		<i>For &gt;100, Deduct</i>	-55.26	
		<i>For 2" Thick Door, Add</i>	50.18	
		<i>For Insulated Door (Polystyrene Core), Add</i>	67.66	
		<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	169.15	
		<i>For Seamless Edge (Welded), Add</i>	84.57	
		<i>For Steel Stiffened, Add</i>	169.15	
08 13 13 13-0088	EA	2'-8" x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	731.86	22.60
		<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	206.00	
		<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	274.67	
		<i>For Type 304 Stainless Steel Door, Add</i>	551.60	
		<i>For Type 316 Stainless Steel Door, Add</i>	894.93	
		<i>For Embossed Panel, Add</i>	164.80	
		<i>For Galvanized Steel, Add</i>	103.00	
		<i>For Baked Enamel Finish, Add</i>	233.12	
		<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
		<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
		<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
		<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
		<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
		<i>For &gt;50 To 100, Deduct</i>	-37.72	
		<i>For &gt;100, Deduct</i>	-56.02	
		<i>For 2" Thick Door, Add</i>	50.91	
		<i>For Insulated Door (Polystyrene Core), Add</i>	68.67	
		<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	171.67	
		<i>For Seamless Edge (Welded), Add</i>	85.83	
		<i>For Steel Stiffened, Add</i>	171.67	
08 13 13 13-0089	EA	2'-10" x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door	736.89	23.08
		<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	207.21	
		<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	276.28	
		<i>For Type 304 Stainless Steel Door, Add</i>	554.88	
		<i>For Type 316 Stainless Steel Door, Add</i>	900.23	
		<i>For Embossed Panel, Add</i>	165.77	
		<i>For Galvanized Steel, Add</i>	103.61	
		<i>For Baked Enamel Finish, Add</i>	234.92	
		<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
		<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
		<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
		<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
		<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
		<i>For &gt;50 To 100, Deduct</i>	-38.00	
		<i>For &gt;100, Deduct</i>	-56.42	
		<i>For 2" Thick Door, Add</i>	51.23	
		<i>For Insulated Door (Polystyrene Core), Add</i>	69.07	
		<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	172.68	
		<i>For Seamless Edge (Welded), Add</i>	86.34	
		<i>For Steel Stiffened, Add</i>	172.68	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Doors And Frames</b>	<b>08 10</b>	
<b>Metal Doors</b>	<b>08 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0090 EA 3' x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door.....	741.91	23.58
For 16 Gauge, Grade III, Extra Heavy Duty, Add	208.43	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	277.90	
For Type 304 Stainless Steel Door, Add	558.16	
For Type 316 Stainless Steel Door, Add	905.53	
For Embossed Panel, Add	166.74	
For Galvanized Steel, Add	104.21	
For Baked Enamel Finish, Add	236.72	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-38.27	
For >100, Deduct	-56.82	
For 2" Thick Door, Add	51.55	
For Insulated Door (Polystyrene Core), Add	69.48	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	173.69	
For Seamless Edge (Welded), Add	86.84	
For Steel Stiffened, Add	173.69	
08 13 13 13-0091 EA 3'-4" x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door .....	794.42	23.58
For 16 Gauge, Grade III, Extra Heavy Duty, Add	224.18	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	298.90	
For Type 304 Stainless Steel Door, Add	600.17	
For Type 316 Stainless Steel Door, Add	973.80	
For Embossed Panel, Add	179.34	
For Galvanized Steel, Add	112.09	
For Baked Enamel Finish, Add	252.47	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-40.90	
For >100, Deduct	-60.76	
For 2" Thick Door, Add	55.36	
For Insulated Door (Polystyrene Core), Add	74.73	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	186.82	
For Seamless Edge (Welded), Add	93.41	
For Steel Stiffened, Add	186.82	
08 13 13 13-0092 EA 3'-6" x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door .....	816.58	24.56
For 16 Gauge, Grade III, Extra Heavy Duty, Add	230.24	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	306.98	
For Type 304 Stainless Steel Door, Add	616.42	
For Type 316 Stainless Steel Door, Add	1,000.15	
For Embossed Panel, Add	184.19	
For Galvanized Steel, Add	115.12	
For Baked Enamel Finish, Add	259.71	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-42.06	
For >100, Deduct	-62.47	
For 2" Thick Door, Add	56.87	
For Insulated Door (Polystyrene Core), Add	76.75	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	191.87	
For Seamless Edge (Welded), Add	95.93	
For Steel Stiffened, Add	191.87	
08 13 13 13-0093 EA 4' x 7' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door.....	901.29	26.53
For 16 Gauge, Grade III, Extra Heavy Duty, Add	254.47	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	339.30	
For Type 304 Stainless Steel Door, Add	681.24	
For Type 316 Stainless Steel Door, Add	1,105.36	
For Embossed Panel, Add	203.58	
For Galvanized Steel, Add	127.24	
For Baked Enamel Finish, Add	286.30	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-46.39	
For >100, Deduct	-68.92	
For 2" Thick Door, Add	62.82	
For Insulated Door (Polystyrene Core), Add	84.82	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	212.06	
For Seamless Edge (Welded), Add	106.03	
For Steel Stiffened, Add	212.06	

08 13 13 13-0094 7'-2" High, 16 Gauge, Unrated, Hollow Metal Doors (08 13 13 13-0073)

**08 Openings**  
**08 10 Doors And Frames**  
**08 13 Metal Doors**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 13 13 13-0095	EA		2' x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door .....	721.62	21.61
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	203.52	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	271.36	
			For Type 304 Stainless Steel Door, Add	544.87	
			For Type 316 Stainless Steel Door, Add	884.07	
			For Embossed Panel, Add	162.81	
			For Galvanized Steel, Add	101.76	
			For Baked Enamel Finish, Add	229.46	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-37.16	
			For >100, Deduct	-55.20	
			For 2" Thick Door, Add	50.26	
			For Insulated Door (Polystyrene Core), Add	67.84	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	169.60	
			For Seamless Edge (Welded), Add	84.80	
			For Steel Stiffened, Add	169.60	
08 13 13 13-0096	EA		2'-4" x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door .....	721.62	21.61
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	203.52	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	271.36	
			For Type 304 Stainless Steel Door, Add	544.87	
			For Type 316 Stainless Steel Door, Add	884.07	
			For Embossed Panel, Add	162.81	
			For Galvanized Steel, Add	101.76	
			For Baked Enamel Finish, Add	229.46	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-37.16	
			For >100, Deduct	-55.20	
			For 2" Thick Door, Add	50.26	
			For Insulated Door (Polystyrene Core), Add	67.84	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	169.60	
			For Seamless Edge (Welded), Add	84.80	
			For Steel Stiffened, Add	169.60	
08 13 13 13-0097	EA		2'-6" x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door .....	737.45	22.60
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	207.68	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	276.90	
			For Type 304 Stainless Steel Door, Add	556.07	
			For Type 316 Stainless Steel Door, Add	902.20	
			For Embossed Panel, Add	166.14	
			For Galvanized Steel, Add	103.84	
			For Baked Enamel Finish, Add	234.79	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-38.00	
			For >100, Deduct	-56.44	
			For 2" Thick Door, Add	51.32	
			For Insulated Door (Polystyrene Core), Add	69.23	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	173.07	
			For Seamless Edge (Welded), Add	86.53	
			For Steel Stiffened, Add	173.07	
08 13 13 13-0098	EA		2'-8" x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door .....	747.78	22.60
			For 16 Gauge, Grade III, Extra Heavy Duty, Add	210.78	
			For 14 Gauge, Grade III, Extra Heavy Duty, Add	281.04	
			For Type 304 Stainless Steel Door, Add	564.33	
			For Type 316 Stainless Steel Door, Add	915.63	
			For Embossed Panel, Add	168.62	
			For Galvanized Steel, Add	105.39	
			For Baked Enamel Finish, Add	237.89	
			For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
			For 45 Minutes Rated Door And FM Label, Add	41.40	
			For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
			For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
			For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
			For >50 To 100, Deduct	-38.52	
			For >100, Deduct	-57.21	
			For 2" Thick Door, Add	52.07	
			For Insulated Door (Polystyrene Core), Add	70.26	
			For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	175.65	
			For Seamless Edge (Welded), Add	87.82	
			For Steel Stiffened, Add	175.65	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Doors And Frames</b>	<b>08 10</b>	
<b>Metal Doors</b>	<b>08 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0099 EA 2'-10" x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door .....	752.92	23.08
For 16 Gauge, Grade III, Extra Heavy Duty, Add	212.02	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	282.70	
For Type 304 Stainless Steel Door, Add	567.70	
For Type 316 Stainless Steel Door, Add	921.07	
For Embossed Panel, Add	169.62	
For Galvanized Steel, Add	106.01	
For Baked Enamel Finish, Add	239.73	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-38.80	
For >100, Deduct	-57.62	
For 2" Thick Door, Add	52.39	
For Insulated Door (Polystyrene Core), Add	70.67	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	176.69	
For Seamless Edge (Welded), Add	88.34	
For Steel Stiffened, Add	176.69	
08 13 13 13-0100 EA 3' x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door .....	758.02	23.58
For 16 Gauge, Grade III, Extra Heavy Duty, Add	213.26	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	284.34	
For Type 304 Stainless Steel Door, Add	571.05	
For Type 316 Stainless Steel Door, Add	926.48	
For Embossed Panel, Add	170.61	
For Galvanized Steel, Add	106.63	
For Baked Enamel Finish, Add	241.55	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-39.08	
For >100, Deduct	-58.03	
For 2" Thick Door, Add	52.72	
For Insulated Door (Polystyrene Core), Add	71.09	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	177.72	
For Seamless Edge (Welded), Add	88.86	
For Steel Stiffened, Add	177.72	
08 13 13 13-0101 EA 3'-4" x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door .....	811.75	23.58
For 16 Gauge, Grade III, Extra Heavy Duty, Add	229.38	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	305.84	
For Type 304 Stainless Steel Door, Add	614.03	
For Type 316 Stainless Steel Door, Add	996.33	
For Embossed Panel, Add	183.50	
For Galvanized Steel, Add	114.69	
For Baked Enamel Finish, Add	257.67	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-41.77	
For >100, Deduct	-62.06	
For 2" Thick Door, Add	56.61	
For Insulated Door (Polystyrene Core), Add	76.46	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	191.15	
For Seamless Edge (Welded), Add	95.57	
For Steel Stiffened, Add	191.15	
08 13 13 13-0102 EA 3'-6" x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door .....	834.37	24.56
For 16 Gauge, Grade III, Extra Heavy Duty, Add	235.58	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	314.10	
For Type 304 Stainless Steel Door, Add	630.66	
For Type 316 Stainless Steel Door, Add	1,023.28	
For Embossed Panel, Add	188.46	
For Galvanized Steel, Add	117.79	
For Baked Enamel Finish, Add	265.05	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-42.95	
For >100, Deduct	-63.81	
For 2" Thick Door, Add	58.16	
For Insulated Door (Polystyrene Core), Add	78.53	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	196.31	
For Seamless Edge (Welded), Add	98.16	
For Steel Stiffened, Add	196.31	



<b>08</b>	<b>Openings</b>
<b>08 10</b>	<b>Doors And Frames</b>
<b>08 13</b>	<b>Metal Doors</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0103	EA		4' x 7'-2" x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door .....	920.96	26.53
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	260.37	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	347.16	
			<i>For Type 304 Stainless Steel Door, Add</i>	696.98	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,130.94	
			<i>For Embossed Panel, Add</i>	208.30	
			<i>For Galvanized Steel, Add</i>	130.19	
			<i>For Baked Enamel Finish, Add</i>	292.20	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-47.37	
			<i>For &gt;100, Deduct</i>	-70.40	
			<i>For 2" Thick Door, Add</i>	64.25	
			<i>For Insulated Door (Polystyrene Core), Add</i>	86.79	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	216.98	
			<i>For Seamless Edge (Welded), Add</i>	108.49	
			<i>For Steel Stiffened, Add</i>	216.98	
08 13 13 13-0104			<b>8' High, 16 Gauge, Unrated, Hollow Metal Doors</b> (08 13 13 13-0073)		
08 13 13 13-0105	EA		2' x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door .....	848.40	21.61
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	241.55	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	322.07	
			<i>For Up To 1' Extra Height, Add</i>	222.79	
			<i>For Type 304 Stainless Steel Door, Add</i>	646.30	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,048.88	
			<i>For Embossed Panel, Add</i>	193.24	
			<i>For Galvanized Steel, Add</i>	120.78	
			<i>For Baked Enamel Finish, Add</i>	267.49	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-43.50	
			<i>For &gt;100, Deduct</i>	-64.71	
			<i>For 2" Thick Door, Add</i>	59.46	
			<i>For Insulated Door (Polystyrene Core), Add</i>	80.52	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	201.29	
			<i>For Seamless Edge (Welded), Add</i>	100.65	
			<i>For Steel Stiffened, Add</i>	201.29	
08 13 13 13-0106	EA		2'-4" x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door .....	848.40	21.61
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	241.55	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	322.07	
			<i>For Up To 1' Extra Height, Add</i>	222.79	
			<i>For Type 304 Stainless Steel Door, Add</i>	646.30	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,048.88	
			<i>For Embossed Panel, Add</i>	193.24	
			<i>For Galvanized Steel, Add</i>	120.78	
			<i>For Baked Enamel Finish, Add</i>	267.49	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-43.50	
			<i>For &gt;100, Deduct</i>	-64.71	
			<i>For 2" Thick Door, Add</i>	59.46	
			<i>For Insulated Door (Polystyrene Core), Add</i>	80.52	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	201.29	
			<i>For Seamless Edge (Welded), Add</i>	100.65	
			<i>For Steel Stiffened, Add</i>	201.29	
08 13 13 13-0107	EA		2'-6" x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door .....	866.83	22.60
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	246.49	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	328.66	
			<i>For Up To 1' Extra Height, Add</i>	227.35	
			<i>For Type 304 Stainless Steel Door, Add</i>	659.57	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,070.39	
			<i>For Embossed Panel, Add</i>	197.19	
			<i>For Galvanized Steel, Add</i>	123.25	
			<i>For Baked Enamel Finish, Add</i>	273.61	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-44.47	
			<i>For &gt;100, Deduct</i>	-66.14	
			<i>For 2" Thick Door, Add</i>	60.70	
			<i>For Insulated Door (Polystyrene Core), Add</i>	82.16	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	205.41	
			<i>For Seamless Edge (Welded), Add</i>	102.71	
			<i>For Steel Stiffened, Add</i>	205.41	



<b>Openings</b>	<b>08</b>
<b>Doors And Frames</b>	<b>08 10</b>
<b>Metal Doors</b>	<b>08 13</b>

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0108 EA 2'-8" x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door .....	879.10	22.60
For 16 Gauge, Grade III, Extra Heavy Duty, Add	250.17	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	333.56	
For Up To 1' Extra Height, Add	230.74	
For Type 304 Stainless Steel Door, Add	669.39	
For Type 316 Stainless Steel Door, Add	1,086.34	
For Embossed Panel, Add	200.14	
For Galvanized Steel, Add	125.09	
For Baked Enamel Finish, Add	277.29	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-45.08	
For >100, Deduct	-67.06	
For 2" Thick Door, Add	61.59	
For Insulated Door (Polystyrene Core), Add	83.39	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	208.48	
For Seamless Edge (Welded), Add	104.24	
For Steel Stiffened, Add	208.48	
08 13 13 13-0109 EA 2'-10" x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door .....	884.99	23.08
For 16 Gauge, Grade III, Extra Heavy Duty, Add	251.64	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	335.52	
For Up To 1' Extra Height, Add	232.10	
For Type 304 Stainless Steel Door, Add	673.36	
For Type 316 Stainless Steel Door, Add	1,092.76	
For Embossed Panel, Add	201.31	
For Galvanized Steel, Add	125.82	
For Baked Enamel Finish, Add	279.35	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-45.40	
For >100, Deduct	-67.53	
For 2" Thick Door, Add	61.97	
For Insulated Door (Polystyrene Core), Add	83.88	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	209.70	
For Seamless Edge (Welded), Add	104.85	
For Steel Stiffened, Add	209.70	
08 13 13 13-0110 EA 3' x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door.....	890.87	23.58
For 16 Gauge, Grade III, Extra Heavy Duty, Add	253.11	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	337.48	
For Up To 1' Extra Height, Add	233.45	
For Type 304 Stainless Steel Door, Add	677.33	
For Type 316 Stainless Steel Door, Add	1,099.18	
For Embossed Panel, Add	202.49	
For Galvanized Steel, Add	126.56	
For Baked Enamel Finish, Add	281.41	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-45.72	
For >100, Deduct	-67.99	
For 2" Thick Door, Add	62.35	
For Insulated Door (Polystyrene Core), Add	84.37	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	210.93	
For Seamless Edge (Welded), Add	105.46	
For Steel Stiffened, Add	210.93	
08 13 13 13-0111 EA 3'-4" x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door .....	954.64	23.58
For 16 Gauge, Grade III, Extra Heavy Duty, Add	272.24	
For 14 Gauge, Grade III, Extra Heavy Duty, Add	362.99	
For Up To 1' Extra Height, Add	251.10	
For Type 304 Stainless Steel Door, Add	728.34	
For Type 316 Stainless Steel Door, Add	1,182.08	
For Embossed Panel, Add	217.80	
For Galvanized Steel, Add	136.12	
For Baked Enamel Finish, Add	300.54	
For 20 Minutes To 30 Minutes Rated Door And FM Label, Add	27.63	
For 45 Minutes Rated Door And FM Label, Add	41.40	
For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add	55.27	
For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add	93.38	
For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add	131.50	
For >50 To 100, Deduct	-48.91	
For >100, Deduct	-72.78	
For 2" Thick Door, Add	66.97	
For Insulated Door (Polystyrene Core), Add	90.75	
For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add	226.87	
For Seamless Edge (Welded), Add	113.44	
For Steel Stiffened, Add	226.87	

<b>08</b>	<b>Openings</b>
<b>08 10</b>	<b>Doors And Frames</b>
<b>08 13</b>	<b>Metal Doors</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0112	EA		3'-6" x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door .....	981.13	24.56
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	279.60	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	372.80	
			<i>For Up To 1' Extra Height, Add</i>	257.89	
			<i>For 1' To 1'-6" Extra Height, Add</i>	492.01	
			<i>For Type 304 Stainless Steel Door, Add</i>	748.06	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,214.07	
			<i>For Embossed Panel, Add</i>	223.68	
			<i>For Galvanized Steel, Add</i>	139.80	
			<i>For Baked Enamel Finish, Add</i>	309.08	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-50.28	
			<i>For &gt;100, Deduct</i>	-74.81	
			<i>For 2" Thick Door, Add</i>	68.80	
			<i>For Insulated Door (Polystyrene Core), Add</i>	93.20	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	233.00	
			<i>For Seamless Edge (Welded), Add</i>	116.50	
			<i>For Steel Stiffened, Add</i>	233.00	
08 13 13 13-0113	EA		4' x 8' x 1-3/4", 16 Gauge, Unrated, Hollow Metal Door .....	1,083.16	26.53
			<i>For 16 Gauge, Grade III, Extra Heavy Duty, Add</i>	309.03	
			<i>For 14 Gauge, Grade III, Extra Heavy Duty, Add</i>	412.04	
			<i>For Up To 1' Extra Height, Add</i>	285.03	
			<i>For 1' To 1'-6" Extra Height, Add</i>	543.80	
			<i>For Type 304 Stainless Steel Door, Add</i>	826.74	
			<i>For Type 316 Stainless Steel Door, Add</i>	1,341.80	
			<i>For Embossed Panel, Add</i>	247.23	
			<i>For Galvanized Steel, Add</i>	154.52	
			<i>For Baked Enamel Finish, Add</i>	340.86	
			<i>For 20 Minutes To 30 Minutes Rated Door And FM Label, Add</i>	27.63	
			<i>For 45 Minutes Rated Door And FM Label, Add</i>	41.40	
			<i>For 1 Hour To 1-1/2 Hour Rated Door And FM Label, Add</i>	55.27	
			<i>For 2 Hour To 2-1/2 Hour Rated Door And FM Label, Add</i>	93.38	
			<i>For 3 Hour To 3-1/2 Hour Rated Door And FM Label, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-55.48	
			<i>For &gt;100, Deduct</i>	-82.56	
			<i>For 2" Thick Door, Add</i>	76.01	
			<i>For Insulated Door (Polystyrene Core), Add</i>	103.01	
			<i>For Mineral Composite Fire Door Core, 250 Degree Maximum Temperature Rise, Add</i>	257.53	
			<i>For Seamless Edge (Welded), Add</i>	128.76	
			<i>For Steel Stiffened, Add</i>	257.53	
<b>08 13 13 53 Custom Hollow Metal Doors (08 13 13)</b>					
08 13 13 53-0001			<b>Steel 18 Gauge 1-3/4" Unrated Door (08 13 13 53)</b>		
08 13 13 53-0002	EA		2'-2" Or 2'-4" x 6'-9" x 1-3/4", 18 Gauge, Unrated, With Semicircular Head, Hollow Metal Door .....	1,533.64	49.12
			<i>For 16 Gauge Door, Add</i>	20.30	
08 13 13 53-0003	EA		2'-6" x 6'-9" x 1-3/4", 18 Gauge, Unrated, With Semicircular Head, Hollow Metal Door .....	1,599.27	58.95
			<i>For 16 Gauge Door, Add</i>	20.30	
<b>08 13 73 Sliding Metal Doors (08 13)</b>					
08 13 73 00-0001			<b>Sliding Bypass Mirror Doors (08 13 73)</b>		
			Note: Includes 3.0 mm thick, steel frameless safety backed mirrors with anti-jump rollers and guides.		
08 13 73 00-0002	EA		4' x 6' 8", Sliding Bypass Mirror Doors .....	248.90	29.47
08 13 73 00-0003	EA		5' x 6' 8", Sliding Bypass Mirror Doors .....	285.86	31.44
08 13 73 00-0004	EA		6' x 6' 8", Sliding Bypass Mirror Doors .....	322.82	33.40
08 13 73 00-0005	EA		8' x 6' 8", Sliding Bypass Mirror Doors .....	392.82	35.37
<b>08 13 76 Bifolding Metal Doors (08 13)</b>					
08 13 76 00-0001			<b>Bi-Fold Metal Doors (08 13 76)</b>		
08 13 76 00-0002			<b>Steel Full Louver Bi-Fold Doors (08 13 76 00-0001)</b>		
08 13 76 00-0003	EA		2'-6", Two 1" Doors, Painted, 24 Gauge Steel, Full Louvered Bi-Fold .....	117.17	21.60
08 13 76 00-0004	EA		2'-0", Two 1" Doors, Painted, 24 Gauge Steel, Full Louvered Bi-Fold .....	126.84	23.56
08 13 76 00-0005	EA		2'-6", Two 1" Doors, Painted, 24 Gauge Steel, Full Louvered Bi-Fold .....	138.41	25.53
08 13 76 00-0006	EA		3'-0", Two 1" Doors, Painted, 24 Gauge Steel, Full Louvered Bi-Fold .....	154.56	29.45
08 13 76 00-0007	EA		4'-0", Four 1" Doors, Painted, 24 Gauge Steel, Full Louvered Bi-Fold .....	210.15	31.41
08 13 76 00-0008	EA		5'-0", Four 1" Doors, Painted, 24 Gauge Steel, Full Louvered Bi-Fold .....	230.66	33.38
08 13 76 00-0009	EA		6'-0", Four 1" Doors, Painted, 24 Gauge Steel, Full Louvered Bi-Fold .....	244.79	35.34
08 13 76 00-0010			<b>Steel Half Louver, Half Panel Bi-Fold Doors (08 13 76 00-0001)</b>		
08 13 76 00-0011	EA		2'-0", Two 1" Doors, Painted, 24 Gauge Steel, Half Louvered Half Paneled Bi-Fold .....	134.49	23.56
08 13 76 00-0012	EA		2'-6", Two 1" Doors, Painted, 24 Gauge Steel, Half Louvered Half Paneled Bi-Fold .....	146.70	25.53
08 13 76 00-0013	EA		3'-0", Two 1" Doors, Painted, 24 Gauge Steel, Half Louvered Half Paneled Bi-Fold .....	159.67	29.45
08 13 76 00-0014	EA		4'-0", Four 1" Doors, Painted, 24 Gauge Steel, Half Louvered Half Paneled Bi-Fold .....	224.18	31.41
08 13 76 00-0015	EA		5'-0", Four 1" Doors, Painted, 24 Gauge Steel, Half Louvered Half Paneled Bi-Fold .....	240.87	33.38



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Doors And Frames</b>	<b>08 10</b>	
<b>Metal Doors</b>	<b>08 13</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 76 00-0016	EA		6'-0", Four 1" Doors, Painted, 24 Gauge Steel, Half Louvered Half Paneled Bi-Fold .....	260.10	35.34
<b>08 13 76 00-0017</b>			<b>Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors</b> <small>(08 13 76 00-0001)</small>		
08 13 76 00-0018	EA		2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors .....	89.33	23.56
08 13 76 00-0019	EA		2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors .....	93.25	25.53
08 13 76 00-0020	EA		2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors .....	100.00	27.48
08 13 76 00-0021	EA		3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors .....	103.93	29.45
08 13 76 00-0022	EA		4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors.....	143.84	31.41
08 13 76 00-0023	EA		5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors.....	147.77	33.38
08 13 76 00-0024	EA		6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors.....	157.66	35.34
<b>08 13 76 00-0025</b>			<b>Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors</b> <small>(08 13 76 00-0001)</small>		
08 13 76 00-0026	EA		2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors .....	96.22	23.56
08 13 76 00-0027	EA		2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors .....	102.40	25.53
08 13 76 00-0028	EA		2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors .....	110.67	27.48
08 13 76 00-0029	EA		3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors .....	114.60	29.45
08 13 76 00-0030	EA		4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors .....	158.59	31.41
08 13 76 00-0031	EA		5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors .....	170.76	33.38
08 13 76 00-0032	EA		6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors .....	183.79	35.34
<b>08 13 76 00-0033</b>			<b>Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors</b> <small>(08 13 76 00-0001)</small>		
08 13 76 00-0034	EA		2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors .....	91.76	23.56
08 13 76 00-0035	EA		2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors .....	98.51	25.53
08 13 76 00-0036	EA		2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors .....	108.43	27.48
08 13 76 00-0037	EA		3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors .....	107.31	29.45
08 13 76 00-0038	EA		4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors .....	139.85	31.41
08 13 76 00-0039	EA		5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors .....	151.70	33.38
08 13 76 00-0040	EA		6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors .....	172.74	35.34

**08 14 Wood Doors** (08 10)

Note: Includes machining for all hardware, except mortised locks. Excludes frames, finish hardware (unless note states included). See CSI section 08 05 13 00-0031 for mortise preparation, 08 70 00 00-0000 for finish hardware.

**08 14 16 Flush Wood Doors** (08 14)

**08 14 16 00-0001 1-3/8" Thick, Hollow Core (HC), Wood Doors** (08 14 16)

**08 14 16 00-0002 Birch Faced Wood Door** (08 14 16 00-0001)

08 14 16 00-0003	EA		2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door .....	161.72	21.61
			<i>For &gt;50 To 100, Deduct</i>	-9.17	
			<i>For &gt;100, Deduct</i>	-13.21	
08 14 16 00-0004	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door .....	161.72	21.61
			<i>For &gt;50 To 100, Deduct</i>	-9.17	
			<i>For &gt;100, Deduct</i>	-13.21	
08 14 16 00-0005	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door .....	172.08	22.60
			<i>For &gt;50 To 100, Deduct</i>	-9.73	
			<i>For &gt;100, Deduct</i>	-14.04	
08 14 16 00-0006	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door .....	178.25	22.60
			<i>For &gt;50 To 100, Deduct</i>	-10.04	
			<i>For &gt;100, Deduct</i>	-14.50	
08 14 16 00-0007	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door .....	179.70	22.60
			<i>For &gt;50 To 100, Deduct</i>	-10.11	
			<i>For &gt;100, Deduct</i>	-14.61	
08 14 16 00-0008	EA		3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door .....	182.40	23.58
			<i>For &gt;50 To 100, Deduct</i>	-10.30	
			<i>For &gt;100, Deduct</i>	-14.86	
08 14 16 00-0009	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door .....	195.61	23.58
			<i>For &gt;50 To 100, Deduct</i>	-10.96	
			<i>For &gt;100, Deduct</i>	-15.85	
08 14 16 00-0010	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door .....	207.07	24.56
			<i>For &gt;50 To 100, Deduct</i>	-11.58	
			<i>For &gt;100, Deduct</i>	-16.76	
08 14 16 00-0011	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door .....	168.63	21.61
			<i>For &gt;50 To 100, Deduct</i>	-9.51	
			<i>For &gt;100, Deduct</i>	-13.73	
08 14 16 00-0012	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door .....	168.63	21.61
			<i>For &gt;50 To 100, Deduct</i>	-9.51	
			<i>For &gt;100, Deduct</i>	-13.73	
08 14 16 00-0013	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door .....	179.47	22.60
			<i>For &gt;50 To 100, Deduct</i>	-10.10	
			<i>For &gt;100, Deduct</i>	-14.59	

<b>08</b>	<b>Openings</b>
<b>08 10</b>	<b>Doors And Frames</b>
<b>08 14</b>	<b>Wood Doors</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0014	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	186.01	22.60
			<i>For &gt;50 To 100, Deduct</i>	-10.43	
			<i>For &gt;100, Deduct</i>	-15.08	
08 14 16 00-0015	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	187.54	22.60
			<i>For &gt;50 To 100, Deduct</i>	-10.51	
			<i>For &gt;100, Deduct</i>	-15.20	
08 14 16 00-0016	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	190.27	23.58
			<i>For &gt;50 To 100, Deduct</i>	-10.69	
			<i>For &gt;100, Deduct</i>	-15.45	
08 14 16 00-0017	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	204.24	23.58
			<i>For &gt;50 To 100, Deduct</i>	-11.39	
			<i>For &gt;100, Deduct</i>	-16.50	
08 14 16 00-0018	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	216.26	24.56
			<i>For &gt;50 To 100, Deduct</i>	-12.04	
			<i>For &gt;100, Deduct</i>	-17.45	
08 14 16 00-0019	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	193.07	21.61
			<i>For &gt;50 To 100, Deduct</i>	-10.73	
			<i>For &gt;100, Deduct</i>	-15.56	
			<i>For Up To 1' Extra Height, Add</i>	31.47	
08 14 16 00-0020	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	193.07	21.61
			<i>For &gt;50 To 100, Deduct</i>	-10.73	
			<i>For &gt;100, Deduct</i>	-15.56	
			<i>For Up To 1' Extra Height, Add</i>	31.47	
08 14 16 00-0021	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	205.66	22.60
			<i>For &gt;50 To 100, Deduct</i>	-11.41	
			<i>For &gt;100, Deduct</i>	-16.55	
			<i>For Up To 1' Extra Height, Add</i>	33.70	
08 14 16 00-0022	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	213.45	22.60
			<i>For &gt;50 To 100, Deduct</i>	-11.80	
			<i>For &gt;100, Deduct</i>	-17.14	
			<i>For Up To 1' Extra Height, Add</i>	35.33	
08 14 16 00-0023	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	215.29	22.60
			<i>For &gt;50 To 100, Deduct</i>	-11.89	
			<i>For &gt;100, Deduct</i>	-17.28	
			<i>For Up To 1' Extra Height, Add</i>	35.72	
08 14 16 00-0024	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	218.17	23.58
			<i>For &gt;50 To 100, Deduct</i>	-12.09	
			<i>For &gt;100, Deduct</i>	-17.54	
			<i>For Up To 1' Extra Height, Add</i>	35.91	
08 14 16 00-0025	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	234.87	23.58
			<i>For &gt;50 To 100, Deduct</i>	-12.92	
			<i>For &gt;100, Deduct</i>	-18.79	
			<i>For Up To 1' Extra Height, Add</i>	39.42	
08 14 16 00-0026	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door.....	248.84	24.56
			<i>For &gt;50 To 100, Deduct</i>	-13.67	
			<i>For &gt;100, Deduct</i>	-19.89	
			<i>For Up To 1' Extra Height, Add</i>	41.94	
<b>08 14 16 00-0027</b>			<b>Oak Faced Wood Door</b> <small>(08 14 16 00-0001)</small>		
08 14 16 00-0028	EA		2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	189.79	21.61
			<i>For &gt;50 To 100, Deduct</i>	-10.57	
			<i>For &gt;100, Deduct</i>	-15.32	
08 14 16 00-0029	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	189.79	21.61
			<i>For &gt;50 To 100, Deduct</i>	-10.57	
			<i>For &gt;100, Deduct</i>	-15.32	
08 14 16 00-0030	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	202.14	22.60
			<i>For &gt;50 To 100, Deduct</i>	-11.24	
			<i>For &gt;100, Deduct</i>	-16.29	
08 14 16 00-0031	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	209.78	22.60
			<i>For &gt;50 To 100, Deduct</i>	-11.62	
			<i>For &gt;100, Deduct</i>	-16.86	
08 14 16 00-0032	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	211.13	22.60
			<i>For &gt;50 To 100, Deduct</i>	-11.69	
			<i>For &gt;100, Deduct</i>	-16.96	
08 14 16 00-0033	EA		3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	214.44	23.58
			<i>For &gt;50 To 100, Deduct</i>	-11.90	
			<i>For &gt;100, Deduct</i>	-17.26	
08 14 16 00-0034	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	230.76	23.58
			<i>For &gt;50 To 100, Deduct</i>	-12.72	
			<i>For &gt;100, Deduct</i>	-18.49	
08 14 16 00-0035	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	244.48	24.56
			<i>For &gt;50 To 100, Deduct</i>	-13.45	
			<i>For &gt;100, Deduct</i>	-19.56	
08 14 16 00-0036	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	198.31	21.61
			<i>For &gt;50 To 100, Deduct</i>	-11.00	
			<i>For &gt;100, Deduct</i>	-15.95	
08 14 16 00-0037	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	198.31	21.61
			<i>For &gt;50 To 100, Deduct</i>	-11.00	
			<i>For &gt;100, Deduct</i>	-15.95	
08 14 16 00-0038	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	211.27	22.60
			<i>For &gt;50 To 100, Deduct</i>	-11.69	
			<i>For &gt;100, Deduct</i>	-16.98	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0039	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	219.36	22.60
			<i>For &gt;50 To 100, Deduct</i>	-12.10	
			<i>For &gt;100, Deduct</i>	-17.58	
08 14 16 00-0040	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	220.78	22.60
			<i>For &gt;50 To 100, Deduct</i>	-12.17	
			<i>For &gt;100, Deduct</i>	-17.69	
08 14 16 00-0041	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	224.17	23.58
			<i>For &gt;50 To 100, Deduct</i>	-12.39	
			<i>For &gt;100, Deduct</i>	-17.99	
08 14 16 00-0042	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	241.44	23.58
			<i>For &gt;50 To 100, Deduct</i>	-13.25	
			<i>For &gt;100, Deduct</i>	-19.29	
08 14 16 00-0043	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	255.84	24.56
			<i>For &gt;50 To 100, Deduct</i>	-14.02	
			<i>For &gt;100, Deduct</i>	-20.42	
08 14 16 00-0044	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	228.57	21.61
			<i>For &gt;50 To 100, Deduct</i>	-12.51	
			<i>For &gt;100, Deduct</i>	-18.22	
			<i>For Up To 1' Extra Height, Add</i>	38.92	
08 14 16 00-0045	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	228.57	21.61
			<i>For &gt;50 To 100, Deduct</i>	-12.51	
			<i>For &gt;100, Deduct</i>	-18.22	
			<i>For Up To 1' Extra Height, Add</i>	38.92	
08 14 16 00-0046	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	243.66	22.60
			<i>For &gt;50 To 100, Deduct</i>	-13.31	
			<i>For &gt;100, Deduct</i>	-19.40	
			<i>For Up To 1' Extra Height, Add</i>	41.68	
08 14 16 00-0047	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	253.31	22.60
			<i>For &gt;50 To 100, Deduct</i>	-13.80	
			<i>For &gt;100, Deduct</i>	-20.13	
			<i>For Up To 1' Extra Height, Add</i>	43.71	
08 14 16 00-0048	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	255.02	22.60
			<i>For &gt;50 To 100, Deduct</i>	-13.88	
			<i>For &gt;100, Deduct</i>	-20.26	
			<i>For Up To 1' Extra Height, Add</i>	44.06	
08 14 16 00-0049	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	258.68	23.58
			<i>For &gt;50 To 100, Deduct</i>	-14.11	
			<i>For &gt;100, Deduct</i>	-20.58	
			<i>For Up To 1' Extra Height, Add</i>	44.42	
08 14 16 00-0050	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	279.33	23.58
			<i>For &gt;50 To 100, Deduct</i>	-15.15	
			<i>For &gt;100, Deduct</i>	-22.13	
			<i>For Up To 1' Extra Height, Add</i>	48.76	
08 14 16 00-0051	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	296.16	24.56
			<i>For &gt;50 To 100, Deduct</i>	-16.04	
			<i>For &gt;100, Deduct</i>	-23.44	
			<i>For Up To 1' Extra Height, Add</i>	51.88	
<b>08 14 16 00-0052 Maple Faced Wood Door</b> <small>(08 14 16 00-0001)</small>					
08 14 16 00-0053	EA		2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	219.11	21.61
			<i>For &gt;50 To 100, Deduct</i>	-12.04	
			<i>For &gt;100, Deduct</i>	-17.51	
08 14 16 00-0054	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	219.11	21.61
			<i>For &gt;50 To 100, Deduct</i>	-12.04	
			<i>For &gt;100, Deduct</i>	-17.51	
08 14 16 00-0055	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	233.52	22.60
			<i>For &gt;50 To 100, Deduct</i>	-12.81	
			<i>For &gt;100, Deduct</i>	-18.64	
08 14 16 00-0056	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	242.70	22.60
			<i>For &gt;50 To 100, Deduct</i>	-13.26	
			<i>For &gt;100, Deduct</i>	-19.33	
08 14 16 00-0057	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	244.32	22.60
			<i>For &gt;50 To 100, Deduct</i>	-13.35	
			<i>For &gt;100, Deduct</i>	-19.45	
08 14 16 00-0058	EA		3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	247.90	23.58
			<i>For &gt;50 To 100, Deduct</i>	-13.57	
			<i>For &gt;100, Deduct</i>	-19.77	
08 14 16 00-0059	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	267.48	23.58
			<i>For &gt;50 To 100, Deduct</i>	-14.55	
			<i>For &gt;100, Deduct</i>	-21.24	
08 14 16 00-0060	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	283.55	24.56
			<i>For &gt;50 To 100, Deduct</i>	-15.41	
			<i>For &gt;100, Deduct</i>	-22.49	
08 14 16 00-0061	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	229.33	21.61
			<i>For &gt;50 To 100, Deduct</i>	-12.55	
			<i>For &gt;100, Deduct</i>	-18.28	
08 14 16 00-0062	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	229.33	21.61
			<i>For &gt;50 To 100, Deduct</i>	-12.55	
			<i>For &gt;100, Deduct</i>	-18.28	
08 14 16 00-0063	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	244.49	22.60
			<i>For &gt;50 To 100, Deduct</i>	-13.35	
			<i>For &gt;100, Deduct</i>	-19.47	

<b>08</b>	<b>Openings</b>
<b>08 10</b>	<b>Doors And Frames</b>
<b>08 14</b>	<b>Wood Doors</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0064	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	254.19	22.60
			<i>For &gt;50 To 100, Deduct</i>	-13.84	
			<i>For &gt;100, Deduct</i>	-20.19	
08 14 16 00-0065	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	255.90	22.60
			<i>For &gt;50 To 100, Deduct</i>	-13.92	
			<i>For &gt;100, Deduct</i>	-20.32	
08 14 16 00-0066	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	259.56	23.58
			<i>For &gt;50 To 100, Deduct</i>	-14.16	
			<i>For &gt;100, Deduct</i>	-20.65	
08 14 16 00-0067	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	280.29	23.58
			<i>For &gt;50 To 100, Deduct</i>	-15.19	
			<i>For &gt;100, Deduct</i>	-22.20	
08 14 16 00-0068	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	297.19	24.56
			<i>For &gt;50 To 100, Deduct</i>	-16.09	
			<i>For &gt;100, Deduct</i>	-23.52	
08 14 16 00-0069	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	265.63	21.61
			<i>For &gt;50 To 100, Deduct</i>	-14.36	
			<i>For &gt;100, Deduct</i>	-21.00	
			<i>For Up To 1' Extra Height, Add</i>	46.70	
08 14 16 00-0070	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	265.63	21.61
			<i>For &gt;50 To 100, Deduct</i>	-14.36	
			<i>For &gt;100, Deduct</i>	-21.00	
			<i>For Up To 1' Extra Height, Add</i>	46.70	
08 14 16 00-0071	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	283.34	22.60
			<i>For &gt;50 To 100, Deduct</i>	-15.30	
			<i>For &gt;100, Deduct</i>	-22.38	
			<i>For Up To 1' Extra Height, Add</i>	50.01	
08 14 16 00-0072	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	294.93	22.60
			<i>For &gt;50 To 100, Deduct</i>	-15.88	
			<i>For &gt;100, Deduct</i>	-23.25	
			<i>For Up To 1' Extra Height, Add</i>	52.45	
08 14 16 00-0073	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	296.98	22.60
			<i>For &gt;50 To 100, Deduct</i>	-15.98	
			<i>For &gt;100, Deduct</i>	-23.40	
			<i>For Up To 1' Extra Height, Add</i>	52.88	
08 14 16 00-0074	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	300.99	23.58
			<i>For &gt;50 To 100, Deduct</i>	-16.23	
			<i>For &gt;100, Deduct</i>	-23.75	
			<i>For Up To 1' Extra Height, Add</i>	53.30	
08 14 16 00-0075	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	325.78	23.58
			<i>For &gt;50 To 100, Deduct</i>	-17.47	
			<i>For &gt;100, Deduct</i>	-25.61	
			<i>For Up To 1' Extra Height, Add</i>	58.51	
08 14 16 00-0076	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	345.57	24.56
			<i>For &gt;50 To 100, Deduct</i>	-18.51	
			<i>For &gt;100, Deduct</i>	-27.15	
			<i>For Up To 1' Extra Height, Add</i>	62.25	
<b>08 14 16 00-0077</b>			<b>Lauan Faced Wood Doors</b> (08 14 16 00-0001)		
08 14 16 00-0078	EA		2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	131.83	21.61
			<i>For &gt;50 To 100, Deduct</i>	-7.67	
			<i>For &gt;100, Deduct</i>	-10.97	
08 14 16 00-0079	EA		2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	131.83	21.61
			<i>For &gt;50 To 100, Deduct</i>	-7.67	
			<i>For &gt;100, Deduct</i>	-10.97	
08 14 16 00-0080	EA		2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	139.79	22.60
			<i>For &gt;50 To 100, Deduct</i>	-8.12	
			<i>For &gt;100, Deduct</i>	-11.61	
08 14 16 00-0081	EA		2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	144.86	22.60
			<i>For &gt;50 To 100, Deduct</i>	-8.37	
			<i>For &gt;100, Deduct</i>	-11.99	
08 14 16 00-0082	EA		2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	146.65	22.60
			<i>For &gt;50 To 100, Deduct</i>	-8.46	
			<i>For &gt;100, Deduct</i>	-12.13	
08 14 16 00-0083	EA		3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	150.41	23.58
			<i>For &gt;50 To 100, Deduct</i>	-8.70	
			<i>For &gt;100, Deduct</i>	-12.46	
08 14 16 00-0084	EA		3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	160.28	23.58
			<i>For &gt;50 To 100, Deduct</i>	-9.19	
			<i>For &gt;100, Deduct</i>	-13.20	
08 14 16 00-0085	EA		3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	169.49	24.56
			<i>For &gt;50 To 100, Deduct</i>	-9.70	
			<i>For &gt;100, Deduct</i>	-13.94	
08 14 16 00-0086	EA		2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	136.98	21.61
			<i>For &gt;50 To 100, Deduct</i>	-7.93	
			<i>For &gt;100, Deduct</i>	-11.35	
08 14 16 00-0087	EA		2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	136.98	21.61
			<i>For &gt;50 To 100, Deduct</i>	-7.93	
			<i>For &gt;100, Deduct</i>	-11.35	
08 14 16 00-0088	EA		2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	145.30	22.60
			<i>For &gt;50 To 100, Deduct</i>	-8.39	
			<i>For &gt;100, Deduct</i>	-12.03	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0089	EA			2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	150.66	22.60
				<i>For &gt;50 To 100, Deduct</i>	-8.66	
				<i>For &gt;100, Deduct</i>	-12.43	
08 14 16 00-0090	EA			2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	152.56	22.60
				<i>For &gt;50 To 100, Deduct</i>	-8.76	
				<i>For &gt;100, Deduct</i>	-12.57	
08 14 16 00-0091	EA			3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	156.42	23.58
				<i>For &gt;50 To 100, Deduct</i>	-9.00	
				<i>For &gt;100, Deduct</i>	-12.91	
08 14 16 00-0092	EA			3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	166.87	23.58
				<i>For &gt;50 To 100, Deduct</i>	-9.52	
				<i>For &gt;100, Deduct</i>	-13.69	
08 14 16 00-0093	EA			3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	176.49	24.56
				<i>For &gt;50 To 100, Deduct</i>	-10.05	
				<i>For &gt;100, Deduct</i>	-14.46	
08 14 16 00-0094	EA			2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	155.27	21.61
				<i>For &gt;50 To 100, Deduct</i>	-8.84	
				<i>For &gt;100, Deduct</i>	-12.73	
				<i>For Up To 1' Extra Height, Add</i>	23.53	
08 14 16 00-0095	EA			2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	155.25	21.61
				<i>For &gt;50 To 100, Deduct</i>	-8.84	
				<i>For &gt;100, Deduct</i>	-12.72	
				<i>For Up To 1' Extra Height, Add</i>	23.52	
08 14 16 00-0096	EA			2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	164.83	22.60
				<i>For &gt;50 To 100, Deduct</i>	-9.37	
				<i>For &gt;100, Deduct</i>	-13.49	
				<i>For Up To 1' Extra Height, Add</i>	25.12	
08 14 16 00-0097	EA			2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	171.22	22.60
				<i>For &gt;50 To 100, Deduct</i>	-9.69	
				<i>For &gt;100, Deduct</i>	-13.97	
				<i>For Up To 1' Extra Height, Add</i>	26.47	
08 14 16 00-0098	EA			2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	173.50	22.60
				<i>For &gt;50 To 100, Deduct</i>	-9.80	
				<i>For &gt;100, Deduct</i>	-14.14	
				<i>For Up To 1' Extra Height, Add</i>	26.95	
08 14 16 00-0099	EA			3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	177.72	23.58
				<i>For &gt;50 To 100, Deduct</i>	-10.07	
				<i>For &gt;100, Deduct</i>	-14.51	
				<i>For Up To 1' Extra Height, Add</i>	27.42	
08 14 16 00-0100	EA			3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	190.22	23.58
				<i>For &gt;50 To 100, Deduct</i>	-10.69	
				<i>For &gt;100, Deduct</i>	-15.45	
				<i>For Up To 1' Extra Height, Add</i>	30.04	
08 14 16 00-0101	EA			3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	201.31	24.56
				<i>For &gt;50 To 100, Deduct</i>	-11.29	
				<i>For &gt;100, Deduct</i>	-16.33	
				<i>For Up To 1' Extra Height, Add</i>	31.96	
<b>08 14 16 00-0102 Medium Density Overlay (MDO) Faced Wood Doors</b> <small>(08 14 16 00-0001)</small>						
08 14 16 00-0103	EA			2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	134.23	21.61
				<i>For &gt;50 To 100, Deduct</i>	-7.79	
				<i>For &gt;100, Deduct</i>	-11.15	
08 14 16 00-0104	EA			2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	134.23	21.61
				<i>For &gt;50 To 100, Deduct</i>	-7.79	
				<i>For &gt;100, Deduct</i>	-11.15	
08 14 16 00-0105	EA			2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	142.83	22.60
				<i>For &gt;50 To 100, Deduct</i>	-8.27	
				<i>For &gt;100, Deduct</i>	-11.84	
08 14 16 00-0106	EA			2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	145.97	22.60
				<i>For &gt;50 To 100, Deduct</i>	-8.43	
				<i>For &gt;100, Deduct</i>	-12.08	
08 14 16 00-0107	EA			2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	149.13	22.60
				<i>For &gt;50 To 100, Deduct</i>	-8.59	
				<i>For &gt;100, Deduct</i>	-12.31	
08 14 16 00-0108	EA			3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	154.23	23.58
				<i>For &gt;50 To 100, Deduct</i>	-8.89	
				<i>For &gt;100, Deduct</i>	-12.75	
08 14 16 00-0109	EA			3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	166.01	23.58
				<i>For &gt;50 To 100, Deduct</i>	-9.48	
				<i>For &gt;100, Deduct</i>	-13.63	
08 14 16 00-0110	EA			3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	175.57	24.56
				<i>For &gt;50 To 100, Deduct</i>	-10.01	
				<i>For &gt;100, Deduct</i>	-14.40	
08 14 16 00-0111	EA			2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	139.52	21.61
				<i>For &gt;50 To 100, Deduct</i>	-8.06	
				<i>For &gt;100, Deduct</i>	-11.54	
08 14 16 00-0112	EA			2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	139.52	21.61
				<i>For &gt;50 To 100, Deduct</i>	-8.06	
				<i>For &gt;100, Deduct</i>	-11.54	
08 14 16 00-0113	EA			2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	148.50	22.60
				<i>For &gt;50 To 100, Deduct</i>	-8.55	
				<i>For &gt;100, Deduct</i>	-12.27	



<b>08</b>	<b>Openings</b>
<b>08 10</b>	<b>Doors And Frames</b>
<b>08 14</b>	<b>Wood Doors</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0114	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	151.84	22.60
			<i>For &gt;50 To 100, Deduct</i>	-8.72	
			<i>For &gt;100, Deduct</i>	-12.52	
08 14 16 00-0115	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	155.18	22.60
			<i>For &gt;50 To 100, Deduct</i>	-8.89	
			<i>For &gt;100, Deduct</i>	-12.77	
08 14 16 00-0116	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	160.47	23.58
			<i>For &gt;50 To 100, Deduct</i>	-9.20	
			<i>For &gt;100, Deduct</i>	-13.21	
08 14 16 00-0117	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	172.93	23.58
			<i>For &gt;50 To 100, Deduct</i>	-9.83	
			<i>For &gt;100, Deduct</i>	-14.15	
08 14 16 00-0118	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	182.93	24.56
			<i>For &gt;50 To 100, Deduct</i>	-10.37	
			<i>For &gt;100, Deduct</i>	-14.95	
08 14 16 00-0119	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	158.29	21.61
			<i>For &gt;50 To 100, Deduct</i>	-9.00	
			<i>For &gt;100, Deduct</i>	-12.95	
			<i>For Up To 1' Extra Height, Add</i>	24.16	
08 14 16 00-0120	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	158.31	21.61
			<i>For &gt;50 To 100, Deduct</i>	-9.00	
			<i>For &gt;100, Deduct</i>	-12.95	
			<i>For Up To 1' Extra Height, Add</i>	24.17	
08 14 16 00-0121	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	168.65	22.60
			<i>For &gt;50 To 100, Deduct</i>	-9.56	
			<i>For &gt;100, Deduct</i>	-13.78	
			<i>For Up To 1' Extra Height, Add</i>	25.93	
08 14 16 00-0122	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	172.64	22.60
			<i>For &gt;50 To 100, Deduct</i>	-9.76	
			<i>For &gt;100, Deduct</i>	-14.08	
			<i>For Up To 1' Extra Height, Add</i>	26.76	
08 14 16 00-0123	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	176.64	22.60
			<i>For &gt;50 To 100, Deduct</i>	-9.96	
			<i>For &gt;100, Deduct</i>	-14.38	
			<i>For Up To 1' Extra Height, Add</i>	27.60	
08 14 16 00-0124	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	182.57	23.58
			<i>For &gt;50 To 100, Deduct</i>	-10.31	
			<i>For &gt;100, Deduct</i>	-14.87	
			<i>For Up To 1' Extra Height, Add</i>	28.44	
08 14 16 00-0125	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	197.47	23.58
			<i>For &gt;50 To 100, Deduct</i>	-11.05	
			<i>For &gt;100, Deduct</i>	-15.99	
			<i>For Up To 1' Extra Height, Add</i>	31.57	
08 14 16 00-0126	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	209.03	24.56
			<i>For &gt;50 To 100, Deduct</i>	-11.68	
			<i>For &gt;100, Deduct</i>	-16.91	
			<i>For Up To 1' Extra Height, Add</i>	33.58	
<b>08 14 16 00-0127</b>			<b>1-3/4" Thick, Hollow Core (HC), Wood Doors</b> <small>(08 14 16)</small>		
<b>08 14 16 00-0128</b>			<b>Birch Faced Wood Doors</b> <small>(08 14 16 00-0127)</small>		
08 14 16 00-0129	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door .....	191.33	21.61
			<i>For &gt;50 To 100, Deduct</i>	-10.65	
			<i>For &gt;100, Deduct</i>	-15.43	
08 14 16 00-0130	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door .....	191.33	21.61
			<i>For &gt;50 To 100, Deduct</i>	-10.65	
			<i>For &gt;100, Deduct</i>	-15.43	
08 14 16 00-0131	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door .....	198.88	22.60
			<i>For &gt;50 To 100, Deduct</i>	-11.07	
			<i>For &gt;100, Deduct</i>	-16.05	
08 14 16 00-0132	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door .....	200.96	22.60
			<i>For &gt;50 To 100, Deduct</i>	-11.18	
			<i>For &gt;100, Deduct</i>	-16.20	
08 14 16 00-0133	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door .....	205.52	22.60
			<i>For &gt;50 To 100, Deduct</i>	-11.41	
			<i>For &gt;100, Deduct</i>	-16.54	
08 14 16 00-0134	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door .....	212.04	23.58
			<i>For &gt;50 To 100, Deduct</i>	-11.78	
			<i>For &gt;100, Deduct</i>	-17.08	
08 14 16 00-0135	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door .....	236.22	23.58
			<i>For &gt;50 To 100, Deduct</i>	-12.99	
			<i>For &gt;100, Deduct</i>	-18.90	
08 14 16 00-0136	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door .....	287.25	24.56
			<i>For &gt;50 To 100, Deduct</i>	-15.59	
			<i>For &gt;100, Deduct</i>	-22.77	
08 14 16 00-0137	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door .....	299.15	24.56
			<i>For &gt;50 To 100, Deduct</i>	-16.19	
			<i>For &gt;100, Deduct</i>	-23.66	
08 14 16 00-0138	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door .....	322.96	24.56
			<i>For &gt;50 To 100, Deduct</i>	-17.38	
			<i>For &gt;100, Deduct</i>	-25.45	
08 14 16 00-0139	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door .....	199.96	21.61
			<i>For &gt;50 To 100, Deduct</i>	-11.08	
			<i>For &gt;100, Deduct</i>	-16.08	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0140	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	199.96 -11.08 -16.08	21.61
08 14 16 00-0141	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	207.82 -11.52 -16.72	22.60
08 14 16 00-0142	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	210.03 -11.63 -16.88	22.60
08 14 16 00-0143	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	214.85 -11.87 -17.24	22.60
08 14 16 00-0144	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	221.63 -12.26 -17.80	23.58
08 14 16 00-0145	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	247.22 -13.54 -19.72	23.58
08 14 16 00-0146	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	301.11 -16.28 -23.81	24.56
08 14 16 00-0147	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	313.70 -16.91 -24.76	24.56
08 14 16 00-0148	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	338.91 -18.17 -26.65	24.56
08 14 16 00-0149	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	230.53 -12.61 -18.37 39.33	21.61
08 14 16 00-0150	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	230.53 -12.61 -18.37 39.33	21.61
08 14 16 00-0151	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	239.54 -13.11 -19.10 40.81	22.60
08 14 16 00-0152	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	242.16 -13.24 -19.29 41.36	22.60
08 14 16 00-0153	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	247.94 -13.53 -19.73 42.58	22.60
08 14 16 00-0154	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	255.65 -13.96 -20.35 43.78	23.58
08 14 16 00-0155	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	286.24 -15.49 -22.65 50.21	23.58
08 14 16 00-0156	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	350.25 -18.74 -27.50 63.24	24.56
08 14 16 00-0157	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	365.29 -19.49 -28.62 66.40	24.56
08 14 16 00-0158	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	395.42 -21.00 -30.88 72.72	24.56
<b>08 14 16 00-0159 Oak Faced Wood Doors</b> <small>(08 14 16 00-0127)</small>					
08 14 16 00-0160	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	238.12 -12.99 -18.94	21.61
08 14 16 00-0161	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	238.12 -12.99 -18.94	21.61
08 14 16 00-0162	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	247.40 -13.50 -19.68	22.60
08 14 16 00-0163	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	250.15 -13.64 -19.89	22.60
08 14 16 00-0164	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	256.15 -13.94 -20.34	22.60

<b>08</b>	<b>Openings</b>
<b>08 10</b>	<b>Doors And Frames</b>
<b>08 14</b>	<b>Wood Doors</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0165	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	264.10	23.58
			<i>For &gt;50 To 100, Deduct</i>	-14.38	
			<i>For &gt;100, Deduct</i>	-20.99	
08 14 16 00-0166	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	295.92	23.58
			<i>For &gt;50 To 100, Deduct</i>	-15.98	
			<i>For &gt;100, Deduct</i>	-23.37	
08 14 16 00-0167	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	362.45	24.56
			<i>For &gt;50 To 100, Deduct</i>	-19.35	
			<i>For &gt;100, Deduct</i>	-28.41	
08 14 16 00-0168	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	378.13	24.56
			<i>For &gt;50 To 100, Deduct</i>	-20.13	
			<i>For &gt;100, Deduct</i>	-29.59	
08 14 16 00-0169	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	409.48	24.56
			<i>For &gt;50 To 100, Deduct</i>	-21.70	
			<i>For &gt;100, Deduct</i>	-31.94	
08 14 16 00-0170	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	249.46	21.61
			<i>For &gt;50 To 100, Deduct</i>	-13.55	
			<i>For &gt;100, Deduct</i>	-19.79	
08 14 16 00-0171	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	249.46	21.61
			<i>For &gt;50 To 100, Deduct</i>	-13.55	
			<i>For &gt;100, Deduct</i>	-19.79	
08 14 16 00-0172	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	259.17	22.60
			<i>For &gt;50 To 100, Deduct</i>	-14.09	
			<i>For &gt;100, Deduct</i>	-20.57	
08 14 16 00-0173	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	262.08	22.60
			<i>For &gt;50 To 100, Deduct</i>	-14.23	
			<i>For &gt;100, Deduct</i>	-20.79	
08 14 16 00-0174	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	268.42	22.60
			<i>For &gt;50 To 100, Deduct</i>	-14.55	
			<i>For &gt;100, Deduct</i>	-21.26	
08 14 16 00-0175	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	276.72	23.58
			<i>For &gt;50 To 100, Deduct</i>	-15.02	
			<i>For &gt;100, Deduct</i>	-21.93	
08 14 16 00-0176	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	310.39	23.58
			<i>For &gt;50 To 100, Deduct</i>	-16.70	
			<i>For &gt;100, Deduct</i>	-24.46	
08 14 16 00-0177	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	380.69	24.56
			<i>For &gt;50 To 100, Deduct</i>	-20.26	
			<i>For &gt;100, Deduct</i>	-29.78	
08 14 16 00-0178	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	397.28	24.56
			<i>For &gt;50 To 100, Deduct</i>	-21.09	
			<i>For &gt;100, Deduct</i>	-31.02	
08 14 16 00-0179	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	430.45	24.56
			<i>For &gt;50 To 100, Deduct</i>	-22.75	
			<i>For &gt;100, Deduct</i>	-33.51	
08 14 16 00-0180	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	289.66	21.61
			<i>For &gt;50 To 100, Deduct</i>	-15.56	
			<i>For &gt;100, Deduct</i>	-22.81	
			<i>For Up To 1' Extra Height, Add</i>	51.75	
08 14 16 00-0181	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	289.68	21.61
			<i>For &gt;50 To 100, Deduct</i>	-15.56	
			<i>For &gt;100, Deduct</i>	-22.81	
			<i>For Up To 1' Extra Height, Add</i>	51.75	
08 14 16 00-0182	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	300.90	22.60
			<i>For &gt;50 To 100, Deduct</i>	-16.17	
			<i>For &gt;100, Deduct</i>	-23.70	
			<i>For Up To 1' Extra Height, Add</i>	53.70	
08 14 16 00-0183	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	304.36	22.60
			<i>For &gt;50 To 100, Deduct</i>	-16.35	
			<i>For &gt;100, Deduct</i>	-23.96	
			<i>For Up To 1' Extra Height, Add</i>	54.43	
08 14 16 00-0184	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	311.95	22.60
			<i>For &gt;50 To 100, Deduct</i>	-16.73	
			<i>For &gt;100, Deduct</i>	-24.53	
			<i>For Up To 1' Extra Height, Add</i>	56.02	
08 14 16 00-0185	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	321.49	23.58
			<i>For &gt;50 To 100, Deduct</i>	-17.25	
			<i>For &gt;100, Deduct</i>	-25.29	
			<i>For Up To 1' Extra Height, Add</i>	57.61	
08 14 16 00-0186	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	361.74	23.58
			<i>For &gt;50 To 100, Deduct</i>	-19.27	
			<i>For &gt;100, Deduct</i>	-28.31	
			<i>For Up To 1' Extra Height, Add</i>	66.06	
08 14 16 00-0187	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	445.34	24.56
			<i>For &gt;50 To 100, Deduct</i>	-23.50	
			<i>For &gt;100, Deduct</i>	-34.63	
			<i>For Up To 1' Extra Height, Add</i>	83.21	
08 14 16 00-0188	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	465.18	24.56
			<i>For &gt;50 To 100, Deduct</i>	-24.49	
			<i>For &gt;100, Deduct</i>	-36.12	
			<i>For Up To 1' Extra Height, Add</i>	87.37	
08 14 16 00-0189	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door.....	504.82	24.56
			<i>For &gt;50 To 100, Deduct</i>	-26.47	
			<i>For &gt;100, Deduct</i>	-39.09	
			<i>For Up To 1' Extra Height, Add</i>	95.70	



<b>Openings</b>	<b>08</b>
<b>Doors And Frames</b>	<b>08 10</b>
<b>Wood Doors</b>	<b>08 14</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 14 16 00-0190 Maple Faced Wood Doors</b> <small>(08 14 16 00-0127)</small>		
08 14 16 00-0191 EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	277.09	21.61
For >50 To 100, Deduct	-14.94	
For >100, Deduct	-21.86	
08 14 16 00-0192 EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	277.09	21.61
For >50 To 100, Deduct	-14.94	
For >100, Deduct	-21.86	
08 14 16 00-0193 EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	287.85	22.60
For >50 To 100, Deduct	-15.52	
For >100, Deduct	-22.72	
08 14 16 00-0194 EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	291.28	22.60
For >50 To 100, Deduct	-15.69	
For >100, Deduct	-22.98	
08 14 16 00-0195 EA 2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	298.41	22.60
For >50 To 100, Deduct	-16.05	
For >100, Deduct	-23.51	
08 14 16 00-0196 EA 3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	307.48	23.58
For >50 To 100, Deduct	-16.55	
For >100, Deduct	-24.24	
08 14 16 00-0197 EA 3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	345.67	23.58
For >50 To 100, Deduct	-18.46	
For >100, Deduct	-27.10	
08 14 16 00-0198 EA 3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	406.42	24.56
For >50 To 100, Deduct	-21.55	
For >100, Deduct	-31.71	
08 14 16 00-0199 EA 3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	443.92	24.56
For >50 To 100, Deduct	-23.42	
For >100, Deduct	-34.52	
08 14 16 00-0200 EA 4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	481.55	24.56
For >50 To 100, Deduct	-25.31	
For >100, Deduct	-37.34	
08 14 16 00-0201 EA 2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	290.71	21.61
For >50 To 100, Deduct	-15.62	
For >100, Deduct	-22.88	
08 14 16 00-0202 EA 2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	290.71	21.61
For >50 To 100, Deduct	-15.62	
For >100, Deduct	-22.88	
08 14 16 00-0203 EA 2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	301.96	22.60
For >50 To 100, Deduct	-16.23	
For >100, Deduct	-23.78	
08 14 16 00-0204 EA 2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	305.61	22.60
For >50 To 100, Deduct	-16.41	
For >100, Deduct	-24.05	
08 14 16 00-0205 EA 2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	313.13	22.60
For >50 To 100, Deduct	-16.79	
For >100, Deduct	-24.61	
08 14 16 00-0206 EA 3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	322.62	23.58
For >50 To 100, Deduct	-17.31	
For >100, Deduct	-25.38	
08 14 16 00-0207 EA 3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	363.04	23.58
For >50 To 100, Deduct	-19.33	
For >100, Deduct	-28.41	
08 14 16 00-0208 EA 3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	427.12	24.56
For >50 To 100, Deduct	-22.58	
For >100, Deduct	-33.26	
08 14 16 00-0209 EA 3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	466.92	24.56
For >50 To 100, Deduct	-24.57	
For >100, Deduct	-36.25	
08 14 16 00-0210 EA 4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	506.71	24.56
For >50 To 100, Deduct	-26.56	
For >100, Deduct	-39.23	
08 14 16 00-0211 EA 2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	338.97	21.61
For >50 To 100, Deduct	-18.03	
For >100, Deduct	-26.50	
For Up To 1' Extra Height, Add	62.11	
08 14 16 00-0212 EA 2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	338.97	21.61
For >50 To 100, Deduct	-18.03	
For >100, Deduct	-26.50	
For Up To 1' Extra Height, Add	62.11	
08 14 16 00-0213 EA 2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	352.03	22.60
For >50 To 100, Deduct	-18.73	
For >100, Deduct	-27.53	
For Up To 1' Extra Height, Add	64.44	
08 14 16 00-0214 EA 2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	356.39	22.60
For >50 To 100, Deduct	-18.95	
For >100, Deduct	-27.86	
For Up To 1' Extra Height, Add	65.35	
08 14 16 00-0215 EA 2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door .....	365.35	22.60
For >50 To 100, Deduct	-19.40	
For >100, Deduct	-28.53	
For Up To 1' Extra Height, Add	67.23	

<b>08</b>	<b>Openings</b>
<b>08 10</b>	<b>Doors And Frames</b>
<b>08 14</b>	<b>Wood Doors</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0216	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	376.34	23.58
			<i>For &gt;50 To 100, Deduct</i>	-20.00	
			<i>For &gt;100, Deduct</i>	-29.40	
			<i>For Up To 1' Extra Height, Add</i>	69.13	
08 14 16 00-0217	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	424.62	23.58
			<i>For &gt;50 To 100, Deduct</i>	-22.41	
			<i>For &gt;100, Deduct</i>	-33.03	
			<i>For Up To 1' Extra Height, Add</i>	79.27	
08 14 16 00-0218	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	500.85	24.56
			<i>For &gt;50 To 100, Deduct</i>	-26.27	
			<i>For &gt;100, Deduct</i>	-38.79	
			<i>For Up To 1' Extra Height, Add</i>	94.86	
08 14 16 00-0219	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	548.40	24.56
			<i>For &gt;50 To 100, Deduct</i>	-28.65	
			<i>For &gt;100, Deduct</i>	-42.36	
			<i>For Up To 1' Extra Height, Add</i>	104.85	
08 14 16 00-0220	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	595.97	24.56
			<i>For &gt;50 To 100, Deduct</i>	-31.03	
			<i>For &gt;100, Deduct</i>	-45.93	
			<i>For Up To 1' Extra Height, Add</i>	114.84	
<b>08 14 16 00-0221</b>			<b>Lauan Faced Wood Doors</b> <small>(08 14 16 00-0127)</small>		
08 14 16 00-0222	EA		2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	155.79	21.61
			<i>For &gt;50 To 100, Deduct</i>	-8.87	
			<i>For &gt;100, Deduct</i>	-12.77	
08 14 16 00-0223	EA		2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	155.79	21.61
			<i>For &gt;50 To 100, Deduct</i>	-8.87	
			<i>For &gt;100, Deduct</i>	-12.77	
08 14 16 00-0224	EA		2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	165.49	22.60
			<i>For &gt;50 To 100, Deduct</i>	-9.40	
			<i>For &gt;100, Deduct</i>	-13.54	
08 14 16 00-0225	EA		2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	171.79	22.60
			<i>For &gt;50 To 100, Deduct</i>	-9.72	
			<i>For &gt;100, Deduct</i>	-14.01	
08 14 16 00-0226	EA		2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	173.03	22.60
			<i>For &gt;50 To 100, Deduct</i>	-9.78	
			<i>For &gt;100, Deduct</i>	-14.11	
08 14 16 00-0227	EA		3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	176.25	23.58
			<i>For &gt;50 To 100, Deduct</i>	-9.99	
			<i>For &gt;100, Deduct</i>	-14.40	
08 14 16 00-0228	EA		3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	190.44	23.58
			<i>For &gt;50 To 100, Deduct</i>	-10.70	
			<i>For &gt;100, Deduct</i>	-15.46	
08 14 16 00-0229	EA		3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	210.70	24.56
			<i>For &gt;50 To 100, Deduct</i>	-11.76	
			<i>For &gt;100, Deduct</i>	-17.03	
08 14 16 00-0230	EA		3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	218.75	24.56
			<i>For &gt;50 To 100, Deduct</i>	-12.17	
			<i>For &gt;100, Deduct</i>	-17.63	
08 14 16 00-0231	EA		4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	234.92	24.56
			<i>For &gt;50 To 100, Deduct</i>	-12.97	
			<i>For &gt;100, Deduct</i>	-18.85	
08 14 16 00-0232	EA		2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	162.33	21.61
			<i>For &gt;50 To 100, Deduct</i>	-9.20	
			<i>For &gt;100, Deduct</i>	-13.26	
08 14 16 00-0233	EA		2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	162.33	21.61
			<i>For &gt;50 To 100, Deduct</i>	-9.20	
			<i>For &gt;100, Deduct</i>	-13.26	
08 14 16 00-0234	EA		2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	172.50	22.60
			<i>For &gt;50 To 100, Deduct</i>	-9.75	
			<i>For &gt;100, Deduct</i>	-14.07	
08 14 16 00-0235	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	179.16	22.60
			<i>For &gt;50 To 100, Deduct</i>	-10.09	
			<i>For &gt;100, Deduct</i>	-14.57	
08 14 16 00-0236	EA		2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	180.48	22.60
			<i>For &gt;50 To 100, Deduct</i>	-10.15	
			<i>For &gt;100, Deduct</i>	-14.67	
08 14 16 00-0237	EA		3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	183.76	23.58
			<i>For &gt;50 To 100, Deduct</i>	-10.37	
			<i>For &gt;100, Deduct</i>	-14.96	
08 14 16 00-0238	EA		3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	198.78	23.58
			<i>For &gt;50 To 100, Deduct</i>	-11.12	
			<i>For &gt;100, Deduct</i>	-16.09	
08 14 16 00-0239	EA		3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	220.09	24.56
			<i>For &gt;50 To 100, Deduct</i>	-12.23	
			<i>For &gt;100, Deduct</i>	-17.73	
08 14 16 00-0240	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	228.63	24.56
			<i>For &gt;50 To 100, Deduct</i>	-12.66	
			<i>For &gt;100, Deduct</i>	-18.38	
08 14 16 00-0241	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	245.72	24.56
			<i>For &gt;50 To 100, Deduct</i>	-13.51	
			<i>For &gt;100, Deduct</i>	-19.66	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Doors And Frames</b>	<b>08 10</b>	
<b>Wood Doors</b>	<b>08 14</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0242	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	185.55	21.61
			<i>For &gt;50 To 100, Deduct</i>	-10.36	
			<i>For &gt;100, Deduct</i>	-15.00	
			<i>For Up To 1' Extra Height, Add</i>	29.89	
08 14 16 00-0243	EA		2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	185.55	21.61
			<i>For &gt;50 To 100, Deduct</i>	-10.36	
			<i>For &gt;100, Deduct</i>	-15.00	
			<i>For Up To 1' Extra Height, Add</i>	29.89	
08 14 16 00-0244	EA		2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	197.31	22.60
			<i>For &gt;50 To 100, Deduct</i>	-11.00	
			<i>For &gt;100, Deduct</i>	-15.93	
			<i>For Up To 1' Extra Height, Add</i>	31.95	
08 14 16 00-0245	EA		2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	205.27	22.60
			<i>For &gt;50 To 100, Deduct</i>	-11.39	
			<i>For &gt;100, Deduct</i>	-16.53	
			<i>For Up To 1' Extra Height, Add</i>	33.62	
08 14 16 00-0246	EA		2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	206.86	22.60
			<i>For &gt;50 To 100, Deduct</i>	-11.47	
			<i>For &gt;100, Deduct</i>	-16.64	
			<i>For Up To 1' Extra Height, Add</i>	33.95	
08 14 16 00-0247	EA		3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	210.40	23.58
			<i>For &gt;50 To 100, Deduct</i>	-11.70	
			<i>For &gt;100, Deduct</i>	-16.96	
			<i>For Up To 1' Extra Height, Add</i>	34.28	
08 14 16 00-0248	EA		3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	228.36	23.58
			<i>For &gt;50 To 100, Deduct</i>	-12.60	
			<i>For &gt;100, Deduct</i>	-18.31	
			<i>For Up To 1' Extra Height, Add</i>	38.05	
08 14 16 00-0249	EA		3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	253.42	24.56
			<i>For &gt;50 To 100, Deduct</i>	-13.90	
			<i>For &gt;100, Deduct</i>	-20.23	
			<i>For Up To 1' Extra Height, Add</i>	42.90	
08 14 16 00-0250	EA		3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	263.63	24.56
			<i>For &gt;50 To 100, Deduct</i>	-14.41	
			<i>For &gt;100, Deduct</i>	-21.00	
			<i>For Up To 1' Extra Height, Add</i>	45.05	
08 14 16 00-0251	EA		4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	284.06	24.56
			<i>For &gt;50 To 100, Deduct</i>	-15.43	
			<i>For &gt;100, Deduct</i>	-22.53	
			<i>For Up To 1' Extra Height, Add</i>	49.34	
<b>08 14 16 00-0252 Medium Density Overlay (MDO) Faced Wood Doors</b> <small>(08 14 16 00-0127)</small>					
08 14 16 00-0253	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	156.60	21.61
			<i>For &gt;50 To 100, Deduct</i>	-8.91	
			<i>For &gt;100, Deduct</i>	-12.83	
08 14 16 00-0254	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	156.62	21.61
			<i>For &gt;50 To 100, Deduct</i>	-8.91	
			<i>For &gt;100, Deduct</i>	-12.83	
08 14 16 00-0255	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	161.72	22.60
			<i>For &gt;50 To 100, Deduct</i>	-9.22	
			<i>For &gt;100, Deduct</i>	-13.26	
08 14 16 00-0256	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	168.04	22.60
			<i>For &gt;50 To 100, Deduct</i>	-9.53	
			<i>For &gt;100, Deduct</i>	-13.73	
08 14 16 00-0257	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	171.20	22.60
			<i>For &gt;50 To 100, Deduct</i>	-9.69	
			<i>For &gt;100, Deduct</i>	-13.97	
08 14 16 00-0258	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	176.28	23.58
			<i>For &gt;50 To 100, Deduct</i>	-9.99	
			<i>For &gt;100, Deduct</i>	-14.40	
08 14 16 00-0259	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	183.48	23.58
			<i>For &gt;50 To 100, Deduct</i>	-10.35	
			<i>For &gt;100, Deduct</i>	-14.94	
08 14 16 00-0260	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	208.86	24.56
			<i>For &gt;50 To 100, Deduct</i>	-11.67	
			<i>For &gt;100, Deduct</i>	-16.89	
08 14 16 00-0261	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	216.84	24.56
			<i>For &gt;50 To 100, Deduct</i>	-12.07	
			<i>For &gt;100, Deduct</i>	-17.49	
08 14 16 00-0262	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door .....	232.84	24.56
			<i>For &gt;50 To 100, Deduct</i>	-12.87	
			<i>For &gt;100, Deduct</i>	-18.69	
08 14 16 00-0263	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	163.21	21.61
			<i>For &gt;50 To 100, Deduct</i>	-9.24	
			<i>For &gt;100, Deduct</i>	-13.32	
08 14 16 00-0264	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	163.21	21.61
			<i>For &gt;50 To 100, Deduct</i>	-9.24	
			<i>For &gt;100, Deduct</i>	-13.32	
08 14 16 00-0265	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	168.49	22.60
			<i>For &gt;50 To 100, Deduct</i>	-9.55	
			<i>For &gt;100, Deduct</i>	-13.77	
08 14 16 00-0266	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	175.18	22.60
			<i>For &gt;50 To 100, Deduct</i>	-9.89	
			<i>For &gt;100, Deduct</i>	-14.27	

<b>08</b>	<b>Openings</b>
<b>08 10</b>	<b>Doors And Frames</b>
<b>08 14</b>	<b>Wood Doors</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0267	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	178.52	22.60
			<i>For &gt;50 To 100, Deduct</i>	-10.06	
			<i>For &gt;100, Deduct</i>	-14.52	
08 14 16 00-0268	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	183.80	23.58
			<i>For &gt;50 To 100, Deduct</i>	-10.37	
			<i>For &gt;100, Deduct</i>	-14.96	
08 14 16 00-0269	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	191.42	23.58
			<i>For &gt;50 To 100, Deduct</i>	-10.75	
			<i>For &gt;100, Deduct</i>	-15.54	
08 14 16 00-0270	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	218.17	24.56
			<i>For &gt;50 To 100, Deduct</i>	-12.14	
			<i>For &gt;100, Deduct</i>	-17.59	
08 14 16 00-0271	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	226.62	24.56
			<i>For &gt;50 To 100, Deduct</i>	-12.56	
			<i>For &gt;100, Deduct</i>	-18.22	
08 14 16 00-0272	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	243.52	24.56
			<i>For &gt;50 To 100, Deduct</i>	-13.40	
			<i>For &gt;100, Deduct</i>	-19.49	
08 14 16 00-0273	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	186.61	21.61
			<i>For &gt;50 To 100, Deduct</i>	-10.41	
			<i>For &gt;100, Deduct</i>	-15.08	
			<i>For Up To 1' Extra Height, Add</i>	30.11	
08 14 16 00-0274	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	186.61	21.61
			<i>For &gt;50 To 100, Deduct</i>	-10.41	
			<i>For &gt;100, Deduct</i>	-15.08	
			<i>For Up To 1' Extra Height, Add</i>	30.11	
08 14 16 00-0275	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	192.53	22.60
			<i>For &gt;50 To 100, Deduct</i>	-10.76	
			<i>For &gt;100, Deduct</i>	-15.57	
			<i>For Up To 1' Extra Height, Add</i>	30.94	
08 14 16 00-0276	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	200.52	22.60
			<i>For &gt;50 To 100, Deduct</i>	-11.16	
			<i>For &gt;100, Deduct</i>	-16.17	
			<i>For Up To 1' Extra Height, Add</i>	32.62	
08 14 16 00-0277	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	204.51	22.60
			<i>For &gt;50 To 100, Deduct</i>	-11.36	
			<i>For &gt;100, Deduct</i>	-16.47	
			<i>For Up To 1' Extra Height, Add</i>	33.46	
08 14 16 00-0278	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	210.45	23.58
			<i>For &gt;50 To 100, Deduct</i>	-11.70	
			<i>For &gt;100, Deduct</i>	-16.96	
			<i>For Up To 1' Extra Height, Add</i>	34.29	
08 14 16 00-0279	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	219.56	23.58
			<i>For &gt;50 To 100, Deduct</i>	-12.16	
			<i>For &gt;100, Deduct</i>	-17.65	
			<i>For Up To 1' Extra Height, Add</i>	36.20	
08 14 16 00-0280	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	251.14	24.56
			<i>For &gt;50 To 100, Deduct</i>	-13.79	
			<i>For &gt;100, Deduct</i>	-20.06	
			<i>For Up To 1' Extra Height, Add</i>	42.42	
08 14 16 00-0281	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	261.23	24.56
			<i>For &gt;50 To 100, Deduct</i>	-14.29	
			<i>For &gt;100, Deduct</i>	-20.82	
			<i>For Up To 1' Extra Height, Add</i>	44.54	
08 14 16 00-0282	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	281.44	24.56
			<i>For &gt;50 To 100, Deduct</i>	-15.30	
			<i>For &gt;100, Deduct</i>	-22.34	
			<i>For Up To 1' Extra Height, Add</i>	48.79	
08 14 16 00-0283			<b>1-3/8" Thick, Particleboard Core (PC), Wood Doors</b> <small>(08 14 16)</small>		
			Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 16 00-0284			<b>Birch Faced Wood Doors</b> <small>(08 14 16 00-0283)</small>		
08 14 16 00-0285	EA		2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	194.10	21.61
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.02	
			<i>For Stave Lumber Core (SLC), Add</i>	113.15	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	67.89	
			<i>For &gt;50 To 100, Deduct</i>	-10.79	
			<i>For &gt;100, Deduct</i>	-15.64	
08 14 16 00-0286	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	194.13	21.61
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.02	
			<i>For Stave Lumber Core (SLC), Add</i>	113.18	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	67.91	
			<i>For &gt;50 To 100, Deduct</i>	-10.79	
			<i>For &gt;100, Deduct</i>	-15.64	
08 14 16 00-0287	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	204.00	22.60
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.18	
			<i>For Stave Lumber Core (SLC), Add</i>	119.11	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	71.46	
			<i>For &gt;50 To 100, Deduct</i>	-11.33	
			<i>For &gt;100, Deduct</i>	-16.43	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0288	EA			2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	211.91	22.60
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.33	
				<i>For Stave Lumber Core (SLC), Add</i>	125.04	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	75.02	
				<i>For &gt;50 To 100, Deduct</i>	-11.73	
				<i>For &gt;100, Deduct</i>	-17.02	
08 14 16 00-0289	EA			2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	216.74	22.60
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.43	
				<i>For Stave Lumber Core (SLC), Add</i>	128.66	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	77.20	
				<i>For &gt;50 To 100, Deduct</i>	-11.97	
				<i>For &gt;100, Deduct</i>	-17.39	
08 14 16 00-0290	EA			3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	223.56	23.58
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.53	
				<i>For Stave Lumber Core (SLC), Add</i>	132.30	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	79.38	
				<i>For &gt;50 To 100, Deduct</i>	-12.36	
				<i>For &gt;100, Deduct</i>	-17.95	
08 14 16 00-0291	EA			3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	242.91	23.58
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.92	
				<i>For Stave Lumber Core (SLC), Add</i>	146.81	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	88.09	
				<i>For &gt;50 To 100, Deduct</i>	-13.32	
				<i>For &gt;100, Deduct</i>	-19.40	
08 14 16 00-0292	EA			3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	257.38	24.56
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.17	
				<i>For Stave Lumber Core (SLC), Add</i>	156.20	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	93.72	
				<i>For &gt;50 To 100, Deduct</i>	-14.10	
				<i>For &gt;100, Deduct</i>	-20.53	
08 14 16 00-0293	EA			2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	202.89	21.61
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.19	
				<i>For Stave Lumber Core (SLC), Add</i>	119.75	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	71.85	
				<i>For &gt;50 To 100, Deduct</i>	-11.23	
				<i>For &gt;100, Deduct</i>	-16.30	
08 14 16 00-0294	EA			2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	202.89	21.61
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.19	
				<i>For Stave Lumber Core (SLC), Add</i>	119.75	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	71.85	
				<i>For &gt;50 To 100, Deduct</i>	-11.23	
				<i>For &gt;100, Deduct</i>	-16.30	
08 14 16 00-0295	EA			2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	213.24	22.60
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.36	
				<i>For Stave Lumber Core (SLC), Add</i>	126.04	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	75.62	
				<i>For &gt;50 To 100, Deduct</i>	-11.79	
				<i>For &gt;100, Deduct</i>	-17.12	
08 14 16 00-0296	EA			2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	221.62	22.60
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.53	
				<i>For Stave Lumber Core (SLC), Add</i>	132.32	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	79.39	
				<i>For &gt;50 To 100, Deduct</i>	-12.21	
				<i>For &gt;100, Deduct</i>	-17.75	
08 14 16 00-0297	EA			2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	226.73	22.60
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.63	
				<i>For Stave Lumber Core (SLC), Add</i>	136.16	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	81.69	
				<i>For &gt;50 To 100, Deduct</i>	-12.47	
				<i>For &gt;100, Deduct</i>	-18.13	
08 14 16 00-0298	EA			3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	233.82	23.58
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.73	
				<i>For Stave Lumber Core (SLC), Add</i>	140.00	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	84.00	
				<i>For &gt;50 To 100, Deduct</i>	-12.87	
				<i>For &gt;100, Deduct</i>	-18.72	
08 14 16 00-0299	EA			3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	254.30	23.58
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.14	
				<i>For Stave Lumber Core (SLC), Add</i>	155.36	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	93.21	
				<i>For &gt;50 To 100, Deduct</i>	-13.89	
				<i>For &gt;100, Deduct</i>	-20.25	
08 14 16 00-0300	EA			3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	269.51	24.56
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.41	
				<i>For Stave Lumber Core (SLC), Add</i>	165.29	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	99.18	
				<i>For &gt;50 To 100, Deduct</i>	-14.70	
				<i>For &gt;100, Deduct</i>	-21.44	
08 14 16 00-0301	EA			2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	234.03	21.61
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.82	
				<i>For Stave Lumber Core (SLC), Add</i>	143.10	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	85.86	
				<i>For &gt;50 To 100, Deduct</i>	-12.78	
				<i>For &gt;100, Deduct</i>	-18.63	
				<i>For Up To 1' Extra Height, Add</i>	40.07	



**08 Openings****08 10 Doors And Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0302	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....234.03	234.03	21.61
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.82	
			<i>For Stave Lumber Core (SLC), Add</i>	143.10	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	85.86	
			<i>For &gt;50 To 100, Deduct</i>	-12.78	
			<i>For &gt;100, Deduct</i>	-18.63	
			<i>For Up To 1' Extra Height, Add</i>	40.07	
08 14 16 00-0303	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....246.01	246.01	22.60
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.02	
			<i>For Stave Lumber Core (SLC), Add</i>	150.62	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	90.37	
			<i>For &gt;50 To 100, Deduct</i>	-13.43	
			<i>For &gt;100, Deduct</i>	-19.58	
			<i>For Up To 1' Extra Height, Add</i>	42.17	
08 14 16 00-0304	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....256.03	256.03	22.60
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.22	
			<i>For Stave Lumber Core (SLC), Add</i>	158.13	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	94.88	
			<i>For &gt;50 To 100, Deduct</i>	-13.93	
			<i>For &gt;100, Deduct</i>	-20.33	
			<i>For Up To 1' Extra Height, Add</i>	44.28	
08 14 16 00-0305	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....262.13	262.13	22.60
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.34	
			<i>For Stave Lumber Core (SLC), Add</i>	162.71	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	97.62	
			<i>For &gt;50 To 100, Deduct</i>	-14.24	
			<i>For &gt;100, Deduct</i>	-20.79	
			<i>For Up To 1' Extra Height, Add</i>	45.56	
08 14 16 00-0306	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....270.22	270.22	23.58
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.46	
			<i>For Stave Lumber Core (SLC), Add</i>	167.30	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	100.38	
			<i>For &gt;50 To 100, Deduct</i>	-14.69	
			<i>For &gt;100, Deduct</i>	-21.45	
			<i>For Up To 1' Extra Height, Add</i>	46.84	
08 14 16 00-0307	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....294.69	294.69	23.58
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.95	
			<i>For Stave Lumber Core (SLC), Add</i>	185.65	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	111.39	
			<i>For &gt;50 To 100, Deduct</i>	-15.91	
			<i>For &gt;100, Deduct</i>	-23.28	
			<i>For Up To 1' Extra Height, Add</i>	51.98	
08 14 16 00-0308	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....312.48	312.48	24.56
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.27	
			<i>For Stave Lumber Core (SLC), Add</i>	197.52	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	118.51	
			<i>For &gt;50 To 100, Deduct</i>	-16.85	
			<i>For &gt;100, Deduct</i>	-24.66	
			<i>For Up To 1' Extra Height, Add</i>	55.31	
<b>08 14 16 00-0309</b>			<b>Oak Faced Wood Doors</b> <small>(08 14 16 00-0283)</small>		
08 14 16 00-0310	EA		2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....229.40	229.40	21.61
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.72	
			<i>For Stave Lumber Core (SLC), Add</i>	139.63	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	83.78	
			<i>For &gt;50 To 100, Deduct</i>	-12.55	
			<i>For &gt;100, Deduct</i>	-18.29	
08 14 16 00-0311	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....229.40	229.40	21.61
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.72	
			<i>For Stave Lumber Core (SLC), Add</i>	139.63	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	83.78	
			<i>For &gt;50 To 100, Deduct</i>	-12.55	
			<i>For &gt;100, Deduct</i>	-18.29	
08 14 16 00-0312	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....241.16	241.16	22.60
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.92	
			<i>For Stave Lumber Core (SLC), Add</i>	146.98	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	88.19	
			<i>For &gt;50 To 100, Deduct</i>	-13.19	
			<i>For &gt;100, Deduct</i>	-19.22	
08 14 16 00-0313	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....250.93	250.93	22.60
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.11	
			<i>For Stave Lumber Core (SLC), Add</i>	154.31	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	92.58	
			<i>For &gt;50 To 100, Deduct</i>	-13.68	
			<i>For &gt;100, Deduct</i>	-19.95	
08 14 16 00-0314	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door .....256.88	256.88	22.60
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.23	
			<i>For Stave Lumber Core (SLC), Add</i>	158.77	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	95.26	
			<i>For &gt;50 To 100, Deduct</i>	-13.97	
			<i>For &gt;100, Deduct</i>	-20.40	



<b>Openings</b>	<b>08</b>
<b>Doors And Frames</b>	<b>08 10</b>
<b>Wood Doors</b>	<b>08 14</b>

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 14 16 00-0315	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	264.83		23.58
			-4.35		
			163.25		
			97.95		
			-14.42		
			-21.04		
08 14 16 00-0316	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	288.72		23.58
			-4.83		
			181.17		
			108.70		
			-15.62		
			-22.83		
08 14 16 00-0317	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	306.11		24.56
			-5.14		
			192.74		
			115.65		
			-16.53		
			-24.19		
08 14 16 00-0318	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	240.23		21.61
			-3.94		
			147.75		
			88.65		
			-13.09		
			-19.10		
08 14 16 00-0319	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	240.23		21.61
			-3.94		
			147.75		
			88.65		
			-13.09		
			-19.10		
08 14 16 00-0320	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	252.57		22.60
			-4.15		
			155.54		
			93.32		
			-13.76		
			-20.07		
08 14 16 00-0321	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	262.91		22.60
			-4.35		
			163.29		
			97.97		
			-14.28		
			-20.85		
08 14 16 00-0322	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	269.21		22.60
			-4.48		
			168.02		
			100.81		
			-14.59		
			-21.32		
08 14 16 00-0323	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	277.50		23.58
			-4.61		
			172.76		
			103.65		
			-15.05		
			-21.99		
08 14 16 00-0324	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	302.78		23.58
			-5.11		
			191.72		
			115.03		
			-16.32		
			-23.89		
08 14 16 00-0325	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	321.07		24.56
			-5.44		
			203.96		
			122.38		
			-17.28		
			-25.31		
08 14 16 00-0326	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	278.64		21.61
			-4.71		
			176.56		
			105.93		
			-15.01		
			-21.98		
			49.44		
08 14 16 00-0327	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	278.64		21.61
			-4.71		
			176.56		
			105.93		
			-15.01		
			-21.98		
			49.44		
08 14 16 00-0328	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	293.02		22.60
			-4.96		
			185.87		
			111.52		
			-15.78		
			-23.11		
			52.04		

**08 Openings****08 10 Doors And Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0329	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	305.36	22.60
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.20	
			<i>For Stave Lumber Core (SLC), Add</i>	195.13	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	117.08	
			<i>For &gt;50 To 100, Deduct</i>	-16.40	
			<i>For &gt;100, Deduct</i>	-24.03	
			<i>For Up To 1' Extra Height, Add</i>	54.64	
08 14 16 00-0330	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	312.88	22.60
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.35	
			<i>For Stave Lumber Core (SLC), Add</i>	200.77	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	120.46	
			<i>For &gt;50 To 100, Deduct</i>	-16.77	
			<i>For &gt;100, Deduct</i>	-24.60	
			<i>For Up To 1' Extra Height, Add</i>	56.21	
08 14 16 00-0331	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	322.42	23.58
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.51	
			<i>For Stave Lumber Core (SLC), Add</i>	206.45	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	123.87	
			<i>For &gt;50 To 100, Deduct</i>	-17.30	
			<i>For &gt;100, Deduct</i>	-25.36	
			<i>For Up To 1' Extra Height, Add</i>	57.80	
08 14 16 00-0332	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	352.63	23.58
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.11	
			<i>For Stave Lumber Core (SLC), Add</i>	229.10	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	137.46	
			<i>For &gt;50 To 100, Deduct</i>	-18.81	
			<i>For &gt;100, Deduct</i>	-27.63	
			<i>For Up To 1' Extra Height, Add</i>	64.15	
08 14 16 00-0333	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	374.11	24.56
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.50	
			<i>For Stave Lumber Core (SLC), Add</i>	243.74	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	146.25	
			<i>For &gt;50 To 100, Deduct</i>	-19.93	
			<i>For &gt;100, Deduct</i>	-29.29	
			<i>For Up To 1' Extra Height, Add</i>	68.25	
<b>08 14 16 00-0334</b>			<b>Maple Faced Wood Doors</b> (08 14 16 00-0283)		
08 14 16 00-0335	EA		2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	266.63	21.61
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.47	
			<i>For Stave Lumber Core (SLC), Add</i>	167.55	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	100.53	
			<i>For &gt;50 To 100, Deduct</i>	-14.41	
			<i>For &gt;100, Deduct</i>	-21.08	
08 14 16 00-0336	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	266.63	21.61
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.47	
			<i>For Stave Lumber Core (SLC), Add</i>	167.55	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	100.53	
			<i>For &gt;50 To 100, Deduct</i>	-14.41	
			<i>For &gt;100, Deduct</i>	-21.08	
08 14 16 00-0337	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	280.35	22.60
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.70	
			<i>For Stave Lumber Core (SLC), Add</i>	176.37	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	105.82	
			<i>For &gt;50 To 100, Deduct</i>	-15.15	
			<i>For &gt;100, Deduct</i>	-22.16	
08 14 16 00-0338	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	292.09	22.60
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.94	
			<i>For Stave Lumber Core (SLC), Add</i>	185.18	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	111.11	
			<i>For &gt;50 To 100, Deduct</i>	-15.73	
			<i>For &gt;100, Deduct</i>	-23.04	
08 14 16 00-0339	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	299.21	22.60
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.08	
			<i>For Stave Lumber Core (SLC), Add</i>	190.52	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	114.31	
			<i>For &gt;50 To 100, Deduct</i>	-16.09	
			<i>For &gt;100, Deduct</i>	-23.57	
08 14 16 00-0340	EA		3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	308.36	23.58
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.22	
			<i>For Stave Lumber Core (SLC), Add</i>	195.90	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	117.54	
			<i>For &gt;50 To 100, Deduct</i>	-16.60	
			<i>For &gt;100, Deduct</i>	-24.31	
08 14 16 00-0341	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	337.02	23.58
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.80	
			<i>For Stave Lumber Core (SLC), Add</i>	217.40	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	130.44	
			<i>For &gt;50 To 100, Deduct</i>	-18.03	
			<i>For &gt;100, Deduct</i>	-26.46	
08 14 16 00-0342	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	357.50	24.56
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.17	
			<i>For Stave Lumber Core (SLC), Add</i>	231.29	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	138.77	
			<i>For &gt;50 To 100, Deduct</i>	-19.10	
			<i>For &gt;100, Deduct</i>	-28.04	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0343	EA			2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	279.62 -4.73 177.29 106.38 -15.06 -22.05	21.61
08 14 16 00-0344	EA			2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	279.62 -4.73 177.29 106.38 -15.06 -22.05	21.61
08 14 16 00-0345	EA			2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	294.04 -4.98 186.64 111.98 -15.83 -23.18	22.60
08 14 16 00-0346	EA			2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	306.46 -5.23 195.95 117.57 -16.45 -24.11	22.60
08 14 16 00-0347	EA			2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	314.01 -5.38 201.62 120.97 -16.83 -24.68	22.60
08 14 16 00-0348	EA			3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	323.57 -5.53 207.31 124.38 -17.36 -25.45	23.58
08 14 16 00-0349	EA			3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	353.90 -6.13 230.06 138.03 -18.87 -27.72	23.58
08 14 16 00-0350	EA			3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	375.46 -6.53 244.76 146.85 -20.00 -29.39	24.56
08 14 16 00-0351	EA			2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	325.72 -5.65 211.87 127.12 -17.37 -25.51 59.32	21.61
08 14 16 00-0352	EA			2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	325.72 -5.65 211.87 127.12 -17.37 -25.51 59.32	21.61
08 14 16 00-0353	EA			2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	342.57 -5.95 223.04 133.82 -18.26 -26.82 62.45	22.60
08 14 16 00-0354	EA			2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	357.39 -6.24 234.15 140.49 -19.00 -27.93 65.56	22.60
08 14 16 00-0355	EA			2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	366.43 -6.42 240.93 144.56 -19.45 -28.61 67.46	22.60

**08 Openings**  
**08 10 Doors And Frames**  
**08 14 Wood Doors**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0356	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	377.46	23.58
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.61	
			<i>For Stave Lumber Core (SLC), Add</i>	247.73	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	148.64	
			<i>For &gt;50 To 100, Deduct</i>	-20.05	
			<i>For &gt;100, Deduct</i>	-29.49	
			<i>For Up To 1' Extra Height, Add</i>	69.36	
08 14 16 00-0357	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	413.72	23.58
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.33	
			<i>For Stave Lumber Core (SLC), Add</i>	274.92	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	164.95	
			<i>For &gt;50 To 100, Deduct</i>	-21.87	
			<i>For &gt;100, Deduct</i>	-32.21	
			<i>For Up To 1' Extra Height, Add</i>	76.98	
08 14 16 00-0358	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	439.10	24.56
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.80	
			<i>For Stave Lumber Core (SLC), Add</i>	292.49	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	175.49	
			<i>For &gt;50 To 100, Deduct</i>	-23.18	
			<i>For &gt;100, Deduct</i>	-34.16	
			<i>For Up To 1' Extra Height, Add</i>	81.90	
<b>08 14 16 00-0359</b>			<b>Lauan Faced Wood Doors</b> <small>(08 14 16 00-0283)</small>		
08 14 16 00-0360	EA		2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....	155.59	21.61
			<i>For &gt;50 To 100, Deduct</i>	-8.86	
			<i>For &gt;100, Deduct</i>	-12.75	
08 14 16 00-0361	EA		2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....	155.59	21.61
			<i>For &gt;50 To 100, Deduct</i>	-8.86	
			<i>For &gt;100, Deduct</i>	-12.75	
08 14 16 00-0362	EA		2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....	163.70	22.60
			<i>For &gt;50 To 100, Deduct</i>	-9.31	
			<i>For &gt;100, Deduct</i>	-13.41	
08 14 16 00-0363	EA		2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....	169.90	22.60
			<i>For &gt;50 To 100, Deduct</i>	-9.62	
			<i>For &gt;100, Deduct</i>	-13.87	
08 14 16 00-0364	EA		2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....	173.01	22.60
			<i>For &gt;50 To 100, Deduct</i>	-9.78	
			<i>For &gt;100, Deduct</i>	-14.11	
08 14 16 00-0365	EA		3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....	178.12	23.58
			<i>For &gt;50 To 100, Deduct</i>	-10.09	
			<i>For &gt;100, Deduct</i>	-14.54	
08 14 16 00-0366	EA		3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....	192.49	23.58
			<i>For &gt;50 To 100, Deduct</i>	-10.80	
			<i>For &gt;100, Deduct</i>	-15.62	
08 14 16 00-0367	EA		3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....	205.85	24.56
			<i>For &gt;50 To 100, Deduct</i>	-11.52	
			<i>For &gt;100, Deduct</i>	-16.67	
08 14 16 00-0368	EA		2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	162.13	21.61
			<i>For &gt;50 To 100, Deduct</i>	-9.19	
			<i>For &gt;100, Deduct</i>	-13.24	
08 14 16 00-0369	EA		2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	162.13	21.61
			<i>For &gt;50 To 100, Deduct</i>	-9.19	
			<i>For &gt;100, Deduct</i>	-13.24	
08 14 16 00-0370	EA		2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	170.61	22.60
			<i>For &gt;50 To 100, Deduct</i>	-9.66	
			<i>For &gt;100, Deduct</i>	-13.93	
08 14 16 00-0371	EA		2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	177.16	22.60
			<i>For &gt;50 To 100, Deduct</i>	-9.99	
			<i>For &gt;100, Deduct</i>	-14.42	
08 14 16 00-0372	EA		2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	180.46	22.60
			<i>For &gt;50 To 100, Deduct</i>	-10.15	
			<i>For &gt;100, Deduct</i>	-14.66	
08 14 16 00-0373	EA		3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	185.73	23.58
			<i>For &gt;50 To 100, Deduct</i>	-10.47	
			<i>For &gt;100, Deduct</i>	-15.11	
08 14 16 00-0374	EA		3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	200.97	23.58
			<i>For &gt;50 To 100, Deduct</i>	-11.23	
			<i>For &gt;100, Deduct</i>	-16.25	
08 14 16 00-0375	EA		3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	214.96	24.56
			<i>For &gt;50 To 100, Deduct</i>	-11.98	
			<i>For &gt;100, Deduct</i>	-17.35	
08 14 16 00-0376	EA		2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	185.33	21.61
			<i>For &gt;50 To 100, Deduct</i>	-10.35	
			<i>For &gt;100, Deduct</i>	-14.98	
			<i>For Up To 1' Extra Height, Add</i>	29.84	
08 14 16 00-0377	EA		2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	185.33	21.61
			<i>For &gt;50 To 100, Deduct</i>	-10.35	
			<i>For &gt;100, Deduct</i>	-14.98	
			<i>For Up To 1' Extra Height, Add</i>	29.84	
08 14 16 00-0378	EA		2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door.....	195.06	22.60
			<i>For &gt;50 To 100, Deduct</i>	-10.88	
			<i>For &gt;100, Deduct</i>	-15.76	
			<i>For Up To 1' Extra Height, Add</i>	31.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0379 EA 2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	202.90 -11.27 -16.35 33.12	22.60
08 14 16 00-0380 EA 2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	206.84 -11.47 -16.64 33.95	22.60
08 14 16 00-0381 EA 3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	212.75 -11.82 -17.14 34.77	23.58
08 14 16 00-0382 EA 3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	230.95 -12.73 -18.50 38.60	23.58
08 14 16 00-0383 EA 3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	247.29 -13.59 -19.77 41.62	24.56
<b>08 14 16 00-0384 Medium Density Overlay (MDO) Faced Wood Doors</b> <small>(08 14 16 00-0283)</small>		
08 14 16 00-0385 EA 2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	170.12 95.17 57.10 -9.59 -13.84	21.61
08 14 16 00-0386 EA 2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	170.12 95.17 57.10 -9.59 -13.84	21.61
08 14 16 00-0387 EA 2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	179.45 100.70 60.42 -10.10 -14.59	22.60
08 14 16 00-0388 EA 2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	186.80 106.21 63.72 -10.47 -15.14	22.60
08 14 16 00-0389 EA 2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	188.15 107.22 64.33 -10.54 -15.24	22.60
08 14 16 00-0390 EA 3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	191.49 108.25 64.95 -10.75 -15.54	23.58
08 14 16 00-0391 EA 3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	207.41 120.19 72.11 -11.55 -16.73	23.58
08 14 16 00-0392 EA 3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	238.40 141.96 85.18 -13.15 -19.11	24.56
08 14 16 00-0393 EA 2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	177.51 100.71 60.43 -9.96 -14.39	21.61
08 14 16 00-0394 EA 2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	177.52 100.72 60.43 -9.96 -14.39	21.61
08 14 16 00-0395 EA 2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	187.27 106.56 63.94 -10.49 -15.18	22.60
08 14 16 00-0396 EA 2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	195.04 112.39 67.43 -10.88 -15.76	22.60

<b>08</b>	<b>Openings</b>
<b>08 10</b>	<b>Doors And Frames</b>
<b>08 14</b>	<b>Wood Doors</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0397	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	196.48	22.60
			<i>For Stave Lumber Core (SLC), Add</i>	113.47	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	68.08	
			<i>For &gt;50 To 100, Deduct</i>	-10.95	
			<i>For &gt;100, Deduct</i>	-15.87	
08 14 16 00-0398	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	199.89	23.58
			<i>For Stave Lumber Core (SLC), Add</i>	114.55	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	68.73	
			<i>For &gt;50 To 100, Deduct</i>	-11.17	
			<i>For &gt;100, Deduct</i>	-16.17	
08 14 16 00-0399	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	216.74	23.58
			<i>For Stave Lumber Core (SLC), Add</i>	127.19	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	76.31	
			<i>For &gt;50 To 100, Deduct</i>	-12.02	
			<i>For &gt;100, Deduct</i>	-17.43	
08 14 16 00-0400	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	249.43	24.56
			<i>For Stave Lumber Core (SLC), Add</i>	150.23	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	90.14	
			<i>For &gt;50 To 100, Deduct</i>	-13.70	
			<i>For &gt;100, Deduct</i>	-19.94	
08 14 16 00-0401	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	203.68	21.61
			<i>For Stave Lumber Core (SLC), Add</i>	120.34	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	72.20	
			<i>For &gt;50 To 100, Deduct</i>	-11.26	
			<i>For &gt;100, Deduct</i>	-16.36	
			<i>For Up To 1' Extra Height, Add</i>	33.69	
08 14 16 00-0402	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	203.70	21.61
			<i>For Stave Lumber Core (SLC), Add</i>	120.35	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	72.21	
			<i>For &gt;50 To 100, Deduct</i>	-11.27	
			<i>For &gt;100, Deduct</i>	-16.36	
			<i>For Up To 1' Extra Height, Add</i>	33.70	
08 14 16 00-0403	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	214.97	22.60
			<i>For Stave Lumber Core (SLC), Add</i>	127.34	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	76.40	
			<i>For &gt;50 To 100, Deduct</i>	-11.88	
			<i>For &gt;100, Deduct</i>	-17.25	
			<i>For Up To 1' Extra Height, Add</i>	35.65	
08 14 16 00-0404	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	224.26	22.60
			<i>For Stave Lumber Core (SLC), Add</i>	134.30	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	80.58	
			<i>For &gt;50 To 100, Deduct</i>	-12.34	
			<i>For &gt;100, Deduct</i>	-17.95	
			<i>For Up To 1' Extra Height, Add</i>	37.60	
08 14 16 00-0405	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	225.97	22.60
			<i>For Stave Lumber Core (SLC), Add</i>	135.59	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	81.35	
			<i>For &gt;50 To 100, Deduct</i>	-12.43	
			<i>For &gt;100, Deduct</i>	-18.08	
			<i>For Up To 1' Extra Height, Add</i>	37.96	
08 14 16 00-0406	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	229.68	23.58
			<i>For Stave Lumber Core (SLC), Add</i>	136.89	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	82.13	
			<i>For &gt;50 To 100, Deduct</i>	-12.66	
			<i>For &gt;100, Deduct</i>	-18.41	
			<i>For Up To 1' Extra Height, Add</i>	38.33	
08 14 16 00-0407	EA		3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	249.82	23.58
			<i>For Stave Lumber Core (SLC), Add</i>	152.00	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	91.20	
			<i>For &gt;50 To 100, Deduct</i>	-13.67	
			<i>For &gt;100, Deduct</i>	-19.92	
			<i>For Up To 1' Extra Height, Add</i>	42.56	
08 14 16 00-0408	EA		3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	288.49	24.56
			<i>For Stave Lumber Core (SLC), Add</i>	179.53	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	107.72	
			<i>For &gt;50 To 100, Deduct</i>	-15.65	
			<i>For &gt;100, Deduct</i>	-22.86	
			<i>For Up To 1' Extra Height, Add</i>	50.27	
08 14 16 00-0409			<b>1-3/4" Thick, Particleboard Core (PC), Wood Doors</b> <small>(08 14 16)</small>		
			Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 16 00-0410			<b>Birch Faced Wood Doors</b> <small>(08 14 16 00-0409)</small>		
08 14 16 00-0411	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	226.88	21.61
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.67	
			<i>For Stave Lumber Core (SLC), Add</i>	137.74	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	82.64	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	22.04	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	99.17	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	137.74	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	220.38	
			<i>For &gt;50 To 100, Deduct</i>	-12.42	
			<i>For &gt;100, Deduct</i>	-18.10	



<b>Openings</b>	<b>08</b>
<b>Doors And Frames</b>	<b>08 10</b>
<b>Wood Doors</b>	<b>08 14</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0412	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	226.88	21.61
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.67	
			<i>For Stave Lumber Core (SLC), Add</i>	137.74	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	82.64	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	22.04	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	99.17	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	137.74	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	220.38	
			<i>For &gt;50 To 100, Deduct</i>	-12.42	
			<i>For &gt;100, Deduct</i>	-18.10	
08 14 16 00-0413	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	219.16	22.60
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.48	
			<i>For Stave Lumber Core (SLC), Add</i>	130.48	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	78.29	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	20.88	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	93.94	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	130.48	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	208.76	
			<i>For &gt;50 To 100, Deduct</i>	-12.09	
			<i>For &gt;100, Deduct</i>	-17.57	
08 14 16 00-0414	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	226.41	22.60
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.62	
			<i>For Stave Lumber Core (SLC), Add</i>	135.92	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	81.55	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	21.75	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	97.86	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	135.92	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	217.46	
			<i>For &gt;50 To 100, Deduct</i>	-12.45	
			<i>For &gt;100, Deduct</i>	-18.11	
08 14 16 00-0415	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	231.26	22.60
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.72	
			<i>For Stave Lumber Core (SLC), Add</i>	139.55	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	83.73	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	22.33	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	100.48	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	139.55	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	223.28	
			<i>For &gt;50 To 100, Deduct</i>	-12.69	
			<i>For &gt;100, Deduct</i>	-18.47	
08 14 16 00-0416	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	238.06	23.58
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.82	
			<i>For Stave Lumber Core (SLC), Add</i>	143.18	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	85.91	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	22.91	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	103.09	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	143.18	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	229.08	
			<i>For &gt;50 To 100, Deduct</i>	-13.08	
			<i>For &gt;100, Deduct</i>	-19.03	
08 14 16 00-0417	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	259.05	23.58
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.24	
			<i>For Stave Lumber Core (SLC), Add</i>	158.92	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	95.35	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	25.43	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	114.42	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	158.92	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	254.27	
			<i>For &gt;50 To 100, Deduct</i>	-14.13	
			<i>For &gt;100, Deduct</i>	-20.61	
08 14 16 00-0418	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	306.38	24.56
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.15	
			<i>For Stave Lumber Core (SLC), Add</i>	192.95	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	115.77	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	30.87	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	138.92	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	192.95	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	308.71	
			<i>For &gt;50 To 100, Deduct</i>	-16.55	
			<i>For &gt;100, Deduct</i>	-24.21	
08 14 16 00-0419	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	319.24	24.56
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.40	
			<i>For Stave Lumber Core (SLC), Add</i>	202.59	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	121.55	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	32.41	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	145.86	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	202.59	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	324.14	
			<i>For &gt;50 To 100, Deduct</i>	-17.19	
			<i>For &gt;100, Deduct</i>	-25.17	



**08 Openings**  
**08 10 Doors And Frames**  
**08 14 Wood Doors**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0420	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	348.89 -5.92 221.88 133.13 35.50 159.75 221.88 355.01 -18.77 -27.49	26.53
08 14 16 00-0421	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	218.19 -3.50 131.22 78.73 21.00 94.48 131.22 209.95 -11.99 -17.45	21.61
08 14 16 00-0422	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	218.19 -3.50 131.22 78.73 21.00 94.48 131.22 209.95 -11.99 -17.45	21.61
08 14 16 00-0423	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	229.29 -3.68 138.08 82.85 22.09 99.41 138.08 220.92 -12.59 -18.33	22.60
08 14 16 00-0424	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	236.96 -3.84 143.83 86.30 23.01 103.56 143.83 230.12 -12.98 -18.90	22.60
08 14 16 00-0425	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	242.09 -3.94 147.68 88.61 23.63 106.33 147.68 236.28 -13.23 -19.29	22.60
08 14 16 00-0426	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	249.16 -4.04 151.50 90.90 24.24 109.08 151.50 242.40 -13.64 -19.87	23.58
08 14 16 00-0427	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	271.38 -4.48 168.17 100.90 26.91 121.08 168.17 269.06 -14.75 -21.53	23.58



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0428	EA			3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... 321.35		24.56
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.44	
				<i>For Stave Lumber Core (SLC), Add</i>	204.17	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	122.50	
				<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	32.67	
				<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	147.00	
				<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	204.17	
				<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	326.68	
				<i>For &gt;50 To 100, Deduct</i>	-17.30	
				<i>For &gt;100, Deduct</i>	-25.33	
08 14 16 00-0429	EA			3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... 334.96		24.56
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.72	
				<i>For Stave Lumber Core (SLC), Add</i>	214.38	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	128.63	
				<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	34.30	
				<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	154.35	
				<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	214.38	
				<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	343.01	
				<i>For &gt;50 To 100, Deduct</i>	-17.98	
				<i>For &gt;100, Deduct</i>	-26.35	
08 14 16 00-0430	EA			4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... 366.11		26.53
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.26	
				<i>For Stave Lumber Core (SLC), Add</i>	234.80	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	140.88	
				<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	37.57	
				<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	169.05	
				<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	234.80	
				<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	375.67	
				<i>For &gt;50 To 100, Deduct</i>	-19.63	
				<i>For &gt;100, Deduct</i>	-28.78	
08 14 16 00-0431	EA			2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... 275.45		21.61
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.64	
				<i>For Stave Lumber Core (SLC), Add</i>	174.17	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	104.50	
				<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	27.87	
				<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	125.40	
				<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	174.17	
				<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	278.66	
				<i>For &gt;50 To 100, Deduct</i>	-14.85	
				<i>For &gt;100, Deduct</i>	-21.74	
				<i>For Up To 1' Extra Height, Add</i>	48.77	
08 14 16 00-0432	EA			2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... 275.45		21.61
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.64	
				<i>For Stave Lumber Core (SLC), Add</i>	174.17	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	104.50	
				<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	27.87	
				<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	125.40	
				<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	174.17	
				<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	278.66	
				<i>For &gt;50 To 100, Deduct</i>	-14.85	
				<i>For &gt;100, Deduct</i>	-21.74	
				<i>For Up To 1' Extra Height, Add</i>	48.77	
08 14 16 00-0433	EA			2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... 265.19		22.60
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.40	
				<i>For Stave Lumber Core (SLC), Add</i>	165.00	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	99.00	
				<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	26.40	
				<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	118.80	
				<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	165.00	
				<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	264.00	
				<i>For &gt;50 To 100, Deduct</i>	-14.39	
				<i>For &gt;100, Deduct</i>	-21.02	
				<i>For Up To 1' Extra Height, Add</i>	46.20	
08 14 16 00-0434	EA			2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... 274.35		22.60
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.58	
				<i>For Stave Lumber Core (SLC), Add</i>	171.87	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	103.12	
				<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	27.50	
				<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	123.75	
				<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	171.87	
				<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	274.99	
				<i>For &gt;50 To 100, Deduct</i>	-14.85	
				<i>For &gt;100, Deduct</i>	-21.71	
				<i>For Up To 1' Extra Height, Add</i>	48.12	
08 14 16 00-0435	EA			2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... 280.47		22.60
				<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.71	
				<i>For Stave Lumber Core (SLC), Add</i>	176.46	
				<i>For Structural Composite Lumber Core (SCLC), Add</i>	105.88	
				<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	28.23	
				<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	127.05	
				<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	176.46	
				<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	282.34	
				<i>For &gt;50 To 100, Deduct</i>	-15.15	
				<i>For &gt;100, Deduct</i>	-22.17	
				<i>For Up To 1' Extra Height, Add</i>	49.41	

<b>08</b>	<b>Openings</b>
<b>08 10</b>	<b>Doors And Frames</b>
<b>08 14</b>	<b>Wood Doors</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0436	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....288.54		23.58
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.83	
			<i>For Stave Lumber Core (SLC), Add</i>	181.04	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	108.62	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	28.97	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	130.35	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	181.04	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	289.66	
			<i>For &gt;50 To 100, Deduct</i>	-15.61	
			<i>For &gt;100, Deduct</i>	-22.82	
			<i>For Up To 1' Extra Height, Add</i>	50.69	
08 14 16 00-0437	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....315.10		23.58
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.36	
			<i>For Stave Lumber Core (SLC), Add</i>	200.96	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	120.57	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	32.15	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	144.69	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	200.96	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	321.53	
			<i>For &gt;50 To 100, Deduct</i>	-16.93	
			<i>For &gt;100, Deduct</i>	-24.81	
			<i>For Up To 1' Extra Height, Add</i>	56.27	
08 14 16 00-0438	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....374.43		24.56
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.51	
			<i>For Stave Lumber Core (SLC), Add</i>	243.98	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	146.39	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	39.04	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	175.67	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	243.98	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	390.37	
			<i>For &gt;50 To 100, Deduct</i>	-19.95	
			<i>For &gt;100, Deduct</i>	-29.31	
			<i>For Up To 1' Extra Height, Add</i>	68.32	
08 14 16 00-0439	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....390.69		24.56
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.83	
			<i>For Stave Lumber Core (SLC), Add</i>	256.18	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	153.71	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	40.99	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	184.45	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	256.18	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	409.88	
			<i>For &gt;50 To 100, Deduct</i>	-20.76	
			<i>For &gt;100, Deduct</i>	-30.53	
			<i>For Up To 1' Extra Height, Add</i>	71.73	
08 14 16 00-0440	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....427.15		26.53
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.48	
			<i>For Stave Lumber Core (SLC), Add</i>	280.58	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	168.35	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	44.89	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	202.01	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	280.58	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	448.92	
			<i>For &gt;50 To 100, Deduct</i>	-22.68	
			<i>For &gt;100, Deduct</i>	-33.36	
			<i>For Up To 1' Extra Height, Add</i>	78.56	
<b>08 14 16 00-0441</b>			<b>Oak Faced Wood Doors</b> <small>(08 14 16 00-0409)</small>		
08 14 16 00-0442	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....291.28		21.61
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.96	
			<i>For Stave Lumber Core (SLC), Add</i>	186.04	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	111.62	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	29.77	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	133.95	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	186.04	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	297.66	
			<i>For &gt;50 To 100, Deduct</i>	-15.64	
			<i>For &gt;100, Deduct</i>	-22.93	
08 14 16 00-0443	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....291.28		21.61
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.96	
			<i>For Stave Lumber Core (SLC), Add</i>	186.04	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	111.62	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	29.77	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	133.95	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	186.04	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	297.66	
			<i>For &gt;50 To 100, Deduct</i>	-15.64	
			<i>For &gt;100, Deduct</i>	-22.93	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Doors And Frames</b>	<b>08 10</b>	
<b>Wood Doors</b>	<b>08 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0444 EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	293.24 -4.96 186.04 111.62 29.77 133.95 186.04 297.66 -15.79 -23.12	22.60
08 14 16 00-0445 EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	295.78 -5.01 187.94 112.77 30.07 135.32 187.94 300.71 -15.92 -23.31	22.60
08 14 16 00-0446 EA 2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	296.94 -5.04 188.81 113.29 30.21 135.95 188.81 302.10 -15.98 -23.40	22.60
08 14 16 00-0447 EA 3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	300.06 -5.06 189.68 113.81 30.35 136.57 189.68 303.48 -16.18 -23.68	23.58
08 14 16 00-0448 EA 3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	327.84 -5.61 210.51 126.31 33.68 151.57 210.51 336.82 -17.57 -25.77	23.58
08 14 16 00-0449 EA 3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	401.32 -7.04 264.15 158.49 42.26 190.19 264.15 422.64 -21.29 -31.33	24.56
08 14 16 00-0450 EA 3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	419.18 -7.40 277.55 166.53 44.41 199.83 277.55 444.07 -22.19 -32.67	24.56
08 14 16 00-0451 EA 4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	458.09 -8.10 303.78 182.27 48.60 218.72 303.78 486.05 -24.23 -35.68	26.53

<b>08</b>	<b>Openings</b>
<b>08 10</b>	<b>Doors And Frames</b>
<b>08 14</b>	<b>Wood Doors</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0452	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	305.70	21.61
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.25	
			<i>For Stave Lumber Core (SLC), Add</i>	196.85	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	118.11	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	31.50	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	141.73	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	196.85	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	314.96	
			<i>For &gt;50 To 100, Deduct</i>	-16.37	
			<i>For &gt;100, Deduct</i>	-24.01	
08 14 16 00-0453	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	305.70	21.61
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.25	
			<i>For Stave Lumber Core (SLC), Add</i>	196.85	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	118.11	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	31.50	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	141.73	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	196.85	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	314.96	
			<i>For &gt;50 To 100, Deduct</i>	-16.37	
			<i>For &gt;100, Deduct</i>	-24.01	
08 14 16 00-0454	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	307.66	22.60
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.25	
			<i>For Stave Lumber Core (SLC), Add</i>	196.85	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	118.11	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	31.50	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	141.73	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	196.85	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	314.96	
			<i>For &gt;50 To 100, Deduct</i>	-16.51	
			<i>For &gt;100, Deduct</i>	-24.20	
08 14 16 00-0455	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	310.36	22.60
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.30	
			<i>For Stave Lumber Core (SLC), Add</i>	198.88	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	119.33	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	31.82	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	143.19	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	198.88	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	318.20	
			<i>For &gt;50 To 100, Deduct</i>	-16.65	
			<i>For &gt;100, Deduct</i>	-24.41	
08 14 16 00-0456	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	311.58	22.60
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.33	
			<i>For Stave Lumber Core (SLC), Add</i>	199.79	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	119.88	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	31.97	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	143.85	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	199.79	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	319.67	
			<i>For &gt;50 To 100, Deduct</i>	-16.71	
			<i>For &gt;100, Deduct</i>	-24.50	
08 14 16 00-0457	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	314.78	23.58
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.35	
			<i>For Stave Lumber Core (SLC), Add</i>	200.72	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	120.43	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	32.11	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	144.51	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	200.72	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	321.14	
			<i>For &gt;50 To 100, Deduct</i>	-16.92	
			<i>For &gt;100, Deduct</i>	-24.79	
08 14 16 00-0458	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	344.17	23.58
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.94	
			<i>For Stave Lumber Core (SLC), Add</i>	222.76	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	133.65	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	35.64	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	160.39	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	222.76	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	356.41	
			<i>For &gt;50 To 100, Deduct</i>	-18.39	
			<i>For &gt;100, Deduct</i>	-26.99	
08 14 16 00-0459	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	421.83	24.56
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.45	
			<i>For Stave Lumber Core (SLC), Add</i>	279.53	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	167.72	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	44.73	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	201.26	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	279.53	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	447.25	
			<i>For &gt;50 To 100, Deduct</i>	-22.32	
			<i>For &gt;100, Deduct</i>	-32.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0460 EA 3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	440.71	24.56
For 7 Ply Cold Press Construction, Deduct	-7.83	
For Stave Lumber Core (SLC), Add	293.69	
For Structural Composite Lumber Core (SCLC), Add	176.22	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	46.99	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	211.46	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	293.69	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	469.91	
For >50 To 100, Deduct	-23.26	
For >100, Deduct	-34.28	
08 14 16 00-0461 EA 4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	481.66	26.53
For 7 Ply Cold Press Construction, Deduct	-8.57	
For Stave Lumber Core (SLC), Add	321.46	
For Structural Composite Lumber Core (SCLC), Add	192.87	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	51.43	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	231.45	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	321.46	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	514.33	
For >50 To 100, Deduct	-25.41	
For >100, Deduct	-37.45	
08 14 16 00-0462 EA 2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	356.88	21.61
For 7 Ply Cold Press Construction, Deduct	-6.27	
For Stave Lumber Core (SLC), Add	235.24	
For Structural Composite Lumber Core (SCLC), Add	141.14	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.64	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	169.37	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	235.24	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	376.38	
For >50 To 100, Deduct	-18.92	
For >100, Deduct	-27.85	
For Up To 1' Extra Height, Add	65.87	
08 14 16 00-0463 EA 2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	356.88	21.61
For 7 Ply Cold Press Construction, Deduct	-6.27	
For Stave Lumber Core (SLC), Add	235.24	
For Structural Composite Lumber Core (SCLC), Add	141.14	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.64	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	169.37	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	235.24	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	376.38	
For >50 To 100, Deduct	-18.92	
For >100, Deduct	-27.85	
For Up To 1' Extra Height, Add	65.87	
08 14 16 00-0464 EA 2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	358.84	22.60
For 7 Ply Cold Press Construction, Deduct	-6.27	
For Stave Lumber Core (SLC), Add	235.24	
For Structural Composite Lumber Core (SCLC), Add	141.14	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.64	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	169.37	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	235.24	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	376.38	
For >50 To 100, Deduct	-19.07	
For >100, Deduct	-28.04	
For Up To 1' Extra Height, Add	65.87	
08 14 16 00-0465 EA 2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	362.07	22.60
For 7 Ply Cold Press Construction, Deduct	-6.34	
For Stave Lumber Core (SLC), Add	237.66	
For Structural Composite Lumber Core (SCLC), Add	142.60	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.03	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	171.12	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	237.66	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	380.26	
For >50 To 100, Deduct	-19.23	
For >100, Deduct	-28.29	
For Up To 1' Extra Height, Add	66.54	
08 14 16 00-0466 EA 2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	363.54	22.60
For 7 Ply Cold Press Construction, Deduct	-6.37	
For Stave Lumber Core (SLC), Add	238.76	
For Structural Composite Lumber Core (SCLC), Add	143.26	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.20	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	171.91	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	238.76	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	382.02	
For >50 To 100, Deduct	-19.31	
For >100, Deduct	-28.40	
For Up To 1' Extra Height, Add	66.85	
08 14 16 00-0467 EA 3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	366.96	23.58
For 7 Ply Cold Press Construction, Deduct	-6.40	
For Stave Lumber Core (SLC), Add	239.85	
For Structural Composite Lumber Core (SCLC), Add	143.91	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.38	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	172.69	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	239.85	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	383.76	
For >50 To 100, Deduct	-19.53	
For >100, Deduct	-28.70	
For Up To 1' Extra Height, Add	67.16	

**08 Openings**  
**08 10 Doors And Frames**  
**08 14 Wood Doors**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0468	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	402.08	23.58
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.10	
			<i>For Stave Lumber Core (SLC), Add</i>	266.19	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	159.71	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	42.59	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	191.66	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	266.19	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	425.90	
			<i>For &gt;50 To 100, Deduct</i>	-21.28	
			<i>For &gt;100, Deduct</i>	-31.34	
			<i>For Up To 1' Extra Height, Add</i>	74.53	
08 14 16 00-0469	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	494.51	24.56
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.91	
			<i>For Stave Lumber Core (SLC), Add</i>	334.04	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	200.43	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	53.45	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	240.51	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	334.04	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	534.47	
			<i>For &gt;50 To 100, Deduct</i>	-25.95	
			<i>For &gt;100, Deduct</i>	-38.32	
			<i>For Up To 1' Extra Height, Add</i>	93.53	
08 14 16 00-0470	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	517.07	24.56
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.36	
			<i>For Stave Lumber Core (SLC), Add</i>	350.96	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	210.58	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	56.15	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	252.69	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	350.96	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	561.54	
			<i>For &gt;50 To 100, Deduct</i>	-27.08	
			<i>For &gt;100, Deduct</i>	-40.01	
			<i>For Up To 1' Extra Height, Add</i>	98.27	
08 14 16 00-0471	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	565.24	26.53
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.24	
			<i>For Stave Lumber Core (SLC), Add</i>	384.14	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	230.49	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	61.46	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	276.58	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	384.14	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	614.63	
			<i>For &gt;50 To 100, Deduct</i>	-29.59	
			<i>For &gt;100, Deduct</i>	-43.72	
			<i>For Up To 1' Extra Height, Add</i>	107.56	
<b>08 14 16 00-0472</b>			<b>Maple Faced Wood Doors</b> <small>(08 14 16 00-0409)</small>		
08 14 16 00-0473	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	340.88	21.61
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.95	
			<i>For Stave Lumber Core (SLC), Add</i>	223.24	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	133.94	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	35.72	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	160.73	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	223.24	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	357.18	
			<i>For &gt;50 To 100, Deduct</i>	-18.12	
			<i>For &gt;100, Deduct</i>	-26.65	
08 14 16 00-0474	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	340.88	21.61
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.95	
			<i>For Stave Lumber Core (SLC), Add</i>	223.24	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	133.94	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	35.72	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	160.73	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	223.24	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	357.18	
			<i>For &gt;50 To 100, Deduct</i>	-18.12	
			<i>For &gt;100, Deduct</i>	-26.65	
08 14 16 00-0475	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	342.84	22.60
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.95	
			<i>For Stave Lumber Core (SLC), Add</i>	223.24	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	133.94	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	35.72	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	160.73	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	223.24	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	357.18	
			<i>For &gt;50 To 100, Deduct</i>	-18.27	
			<i>For &gt;100, Deduct</i>	-26.84	
08 14 16 00-0476	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	345.90	22.60
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.01	
			<i>For Stave Lumber Core (SLC), Add</i>	225.53	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	135.32	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	36.09	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	162.38	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	225.53	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	360.85	
			<i>For &gt;50 To 100, Deduct</i>	-18.42	
			<i>For &gt;100, Deduct</i>	-27.07	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Doors And Frames</b>	<b>08 10</b>	
<b>Wood Doors</b>	<b>08 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0477 EA 2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	347.27 -6.04 226.56 135.94 36.25 163.12 226.56 362.50 -18.49 -27.18	22.60
08 14 16 00-0478 EA 3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	350.64 -6.07 227.61 136.57 36.42 163.88 227.61 364.18 -18.71 -27.48	23.58
08 14 16 00-0479 EA 3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	383.98 -6.74 252.62 151.57 40.42 181.88 252.62 404.18 -20.38 -29.98	23.58
08 14 16 00-0480 EA 3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	450.63 -8.03 301.13 180.68 48.18 216.82 301.13 481.81 -23.76 -35.03	24.56
08 14 16 00-0481 EA 3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	492.89 -8.88 332.83 199.70 53.25 239.64 332.83 532.52 -25.87 -38.19	24.56
08 14 16 00-0482 EA 4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	535.19 -9.72 364.55 218.73 58.33 262.48 364.55 583.28 -27.99 -41.37	24.56
08 14 16 00-0483 EA 2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	358.20 -6.30 236.23 141.74 37.80 170.08 236.23 377.96 -18.99 -27.95	21.61
08 14 16 00-0484 EA 2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i> <i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	358.20 -6.30 236.23 141.74 37.80 170.08 236.23 377.96 -18.99 -27.95	21.61



**08 Openings**  
**08 10 Doors And Frames**  
**08 14 Wood Doors**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0485	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	360.16	22.60
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.30	
			<i>For Stave Lumber Core (SLC), Add</i>	236.23	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	141.74	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	37.80	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	170.08	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	236.23	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	377.96	
			<i>For &gt;50 To 100, Deduct</i>	-19.14	
			<i>For &gt;100, Deduct</i>	-28.14	
08 14 16 00-0486	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	363.39	22.60
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.36	
			<i>For Stave Lumber Core (SLC), Add</i>	238.65	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	143.19	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	38.18	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	171.83	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	238.65	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	381.84	
			<i>For &gt;50 To 100, Deduct</i>	-19.30	
			<i>For &gt;100, Deduct</i>	-28.38	
08 14 16 00-0487	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	364.86	22.60
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.39	
			<i>For Stave Lumber Core (SLC), Add</i>	239.75	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	143.85	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	38.36	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	172.62	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	239.75	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	383.60	
			<i>For &gt;50 To 100, Deduct</i>	-19.37	
			<i>For &gt;100, Deduct</i>	-28.49	
08 14 16 00-0488	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	368.30	23.58
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.42	
			<i>For Stave Lumber Core (SLC), Add</i>	240.86	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	144.51	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	38.54	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	173.42	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	240.86	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	385.37	
			<i>For &gt;50 To 100, Deduct</i>	-19.59	
			<i>For &gt;100, Deduct</i>	-28.80	
08 14 16 00-0489	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	403.58	23.58
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.13	
			<i>For Stave Lumber Core (SLC), Add</i>	267.32	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	160.39	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	42.77	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	192.47	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	267.32	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	427.70	
			<i>For &gt;50 To 100, Deduct</i>	-21.36	
			<i>For &gt;100, Deduct</i>	-31.45	
08 14 16 00-0490	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	474.00	24.56
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.50	
			<i>For Stave Lumber Core (SLC), Add</i>	318.66	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	191.20	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	50.99	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	229.44	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	318.66	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	509.86	
			<i>For &gt;50 To 100, Deduct</i>	-24.93	
			<i>For &gt;100, Deduct</i>	-36.78	
08 14 16 00-0491	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	518.73	24.56
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.39	
			<i>For Stave Lumber Core (SLC), Add</i>	352.21	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	211.32	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	56.35	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	253.59	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	352.21	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	563.53	
			<i>For &gt;50 To 100, Deduct</i>	-27.16	
			<i>For &gt;100, Deduct</i>	-40.13	
08 14 16 00-0492	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	563.49	24.56
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.29	
			<i>For Stave Lumber Core (SLC), Add</i>	385.78	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	231.47	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	61.72	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	277.76	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	385.78	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	617.24	
			<i>For &gt;50 To 100, Deduct</i>	-29.40	
			<i>For &gt;100, Deduct</i>	-43.49	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Doors And Frames</b>	<b>08 10</b>	
<b>Wood Doors</b>	<b>08 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0493 EA 2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	419.61	21.61
For 7 Ply Cold Press Construction, Deduct	-7.53	
For Stave Lumber Core (SLC), Add	282.29	
For Structural Composite Lumber Core (SCLC), Add	169.37	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	45.17	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	203.25	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	282.29	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	451.66	
For >50 To 100, Deduct	-22.06	
For >100, Deduct	-32.55	
For Up To 1' Extra Height, Add	79.04	
08 14 16 00-0494 EA 2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	419.61	21.61
For 7 Ply Cold Press Construction, Deduct	-7.53	
For Stave Lumber Core (SLC), Add	282.29	
For Structural Composite Lumber Core (SCLC), Add	169.37	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	45.17	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	203.25	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	282.29	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	451.66	
For >50 To 100, Deduct	-22.06	
For >100, Deduct	-32.55	
For Up To 1' Extra Height, Add	79.04	
08 14 16 00-0495 EA 2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	421.57	22.60
For 7 Ply Cold Press Construction, Deduct	-7.53	
For Stave Lumber Core (SLC), Add	282.29	
For Structural Composite Lumber Core (SCLC), Add	169.37	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	45.17	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	203.25	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	282.29	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	451.66	
For >50 To 100, Deduct	-22.21	
For >100, Deduct	-32.75	
For Up To 1' Extra Height, Add	79.04	
08 14 16 00-0496 EA 2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	425.44	22.60
For 7 Ply Cold Press Construction, Deduct	-7.61	
For Stave Lumber Core (SLC), Add	285.19	
For Structural Composite Lumber Core (SCLC), Add	171.11	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	45.63	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	205.34	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	285.19	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	456.30	
For >50 To 100, Deduct	-22.40	
For >100, Deduct	-33.04	
For Up To 1' Extra Height, Add	79.85	
08 14 16 00-0497 EA 2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	427.21	22.60
For 7 Ply Cold Press Construction, Deduct	-7.64	
For Stave Lumber Core (SLC), Add	286.52	
For Structural Composite Lumber Core (SCLC), Add	171.91	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	45.84	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	206.29	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	286.52	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	458.42	
For >50 To 100, Deduct	-22.49	
For >100, Deduct	-33.17	
For Up To 1' Extra Height, Add	80.22	
08 14 16 00-0498 EA 3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	430.91	23.58
For 7 Ply Cold Press Construction, Deduct	-7.68	
For Stave Lumber Core (SLC), Add	287.81	
For Structural Composite Lumber Core (SCLC), Add	172.69	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	46.05	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	207.23	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	287.81	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	460.50	
For >50 To 100, Deduct	-22.72	
For >100, Deduct	-33.50	
For Up To 1' Extra Height, Add	80.59	
08 14 16 00-0499 EA 3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	473.07	23.58
For 7 Ply Cold Press Construction, Deduct	-8.52	
For Stave Lumber Core (SLC), Add	319.43	
For Structural Composite Lumber Core (SCLC), Add	191.66	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	51.11	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	229.99	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	319.43	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	511.09	
For >50 To 100, Deduct	-24.83	
For >100, Deduct	-36.66	
For Up To 1' Extra Height, Add	89.44	

**08 Openings**  
**08 10 Doors And Frames**  
**08 14 Wood Doors**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0500	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	556.85	24.56
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.15	
			<i>For Stave Lumber Core (SLC), Add</i>	380.80	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	228.48	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	60.93	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	274.17	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	380.80	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	609.28	
			<i>For &gt;50 To 100, Deduct</i>	-29.07	
			<i>For &gt;100, Deduct</i>	-42.99	
			<i>For Up To 1' Extra Height, Add</i>	106.62	
08 14 16 00-0501	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	610.30	24.56
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-11.22	
			<i>For Stave Lumber Core (SLC), Add</i>	420.89	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	252.53	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	67.34	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	303.04	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	420.89	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	673.42	
			<i>For &gt;50 To 100, Deduct</i>	-31.74	
			<i>For &gt;100, Deduct</i>	-47.00	
			<i>For Up To 1' Extra Height, Add</i>	117.85	
08 14 16 00-0502	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	663.77	24.56
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-12.29	
			<i>For Stave Lumber Core (SLC), Add</i>	460.99	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	276.59	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	73.76	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	331.91	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	460.99	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	737.58	
			<i>For &gt;50 To 100, Deduct</i>	-34.42	
			<i>For &gt;100, Deduct</i>	-51.01	
			<i>For Up To 1' Extra Height, Add</i>	129.08	
<b>08 14 16 00-0503</b>			<b>Lauan Faced Wood Doors</b> (08 14 16 00-0409)		
08 14 16 00-0504	EA		2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....	196.18	21.61
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	18.35	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	82.59	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	114.71	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	183.54	
			<i>For &gt;50 To 100, Deduct</i>	-10.89	
			<i>For &gt;100, Deduct</i>	-15.79	
08 14 16 00-0505	EA		2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....	196.18	21.61
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	18.35	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	82.59	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	114.71	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	183.54	
			<i>For &gt;50 To 100, Deduct</i>	-10.89	
			<i>For &gt;100, Deduct</i>	-15.79	
08 14 16 00-0506	EA		2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....	198.58	22.60
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	18.41	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	82.83	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	115.04	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	184.07	
			<i>For &gt;50 To 100, Deduct</i>	-11.06	
			<i>For &gt;100, Deduct</i>	-16.02	
08 14 16 00-0507	EA		2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....	202.99	22.60
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	18.94	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	85.21	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	118.35	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	189.36	
			<i>For &gt;50 To 100, Deduct</i>	-11.28	
			<i>For &gt;100, Deduct</i>	-16.35	
08 14 16 00-0508	EA		2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....	204.59	22.60
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	19.13	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	86.08	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	119.55	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	191.28	
			<i>For &gt;50 To 100, Deduct</i>	-11.36	
			<i>For &gt;100, Deduct</i>	-16.47	
08 14 16 00-0509	EA		3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....	208.15	23.58
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	19.32	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	86.93	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	120.74	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	193.19	
			<i>For &gt;50 To 100, Deduct</i>	-11.59	
			<i>For &gt;100, Deduct</i>	-16.79	
08 14 16 00-0510	EA		3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door .....	222.70	23.58
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	21.06	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	94.79	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	131.66	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	210.65	
			<i>For &gt;50 To 100, Deduct</i>	-12.31	
			<i>For &gt;100, Deduct</i>	-17.88	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Doors And Frames</b>	<b>08 10</b>	
<b>Wood Doors</b>	<b>08 14</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0511	EA		3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door ..... For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	237.18 22.57 101.55 141.05 225.67 -13.09 -19.02	24.56
08 14 16 00-0512	EA		3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door ..... For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	246.58 23.70 106.63 148.10 236.95 -13.56 -19.72	24.56
08 14 16 00-0513	EA		4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door ..... For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	265.40 25.95 116.79 162.21 259.54 -14.50 -21.13	24.56
08 14 16 00-0514	EA		2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door ..... For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	205.08 19.42 87.40 121.39 194.22 -11.33 -16.46	21.61
08 14 16 00-0515	EA		2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door ..... For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	205.08 19.42 87.40 121.39 194.22 -11.33 -16.46	21.61
08 14 16 00-0516	EA		2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door ..... For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	207.51 19.48 87.65 121.74 194.78 -11.51 -16.69	22.60
08 14 16 00-0517	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door ..... For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	212.17 20.04 90.17 125.24 200.38 -11.74 -17.04	22.60
08 14 16 00-0518	EA		2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door ..... For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	213.87 20.24 91.09 126.51 202.42 -11.82 -17.17	22.60
08 14 16 00-0519	EA		3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door ..... For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	217.52 20.44 91.99 127.77 204.43 -12.06 -17.49	23.58
08 14 16 00-0520	EA		3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door ..... For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	232.91 22.29 100.31 139.31 222.90 -12.82 -18.65	23.58
08 14 16 00-0521	EA		3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door ..... For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	248.12 23.88 107.46 149.25 238.80 -13.63 -19.84	24.56
08 14 16 00-0522	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door ..... For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	258.07 25.07 112.83 156.71 250.74 -14.13 -20.58	24.56

**08 Openings**  
**08 10 Doors And Frames**  
**08 14 Wood Doors**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0523	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	277.99	24.56
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	27.46	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	123.59	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	171.65	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	274.64	
			<i>For &gt;50 To 100, Deduct</i>	-15.13	
			<i>For &gt;100, Deduct</i>	-22.08	
08 14 16 00-0524	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	236.63	21.61
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	23.21	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	104.44	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	145.05	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	232.08	
			<i>For &gt;50 To 100, Deduct</i>	-12.91	
			<i>For &gt;100, Deduct</i>	-18.83	
			<i>For Up To 1' Extra Height, Add</i>	40.61	
08 14 16 00-0525	EA		2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	236.63	21.61
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	23.21	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	104.44	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	145.05	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	232.08	
			<i>For &gt;50 To 100, Deduct</i>	-12.91	
			<i>For &gt;100, Deduct</i>	-18.83	
			<i>For Up To 1' Extra Height, Add</i>	40.61	
08 14 16 00-0526	EA		2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	239.15	22.60
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	23.28	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	104.74	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	145.47	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	232.75	
			<i>For &gt;50 To 100, Deduct</i>	-13.09	
			<i>For &gt;100, Deduct</i>	-19.07	
			<i>For Up To 1' Extra Height, Add</i>	40.73	
08 14 16 00-0527	EA		2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	244.73	22.60
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	23.94	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	107.75	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	149.66	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	239.45	
			<i>For &gt;50 To 100, Deduct</i>	-13.37	
			<i>For &gt;100, Deduct</i>	-19.48	
			<i>For Up To 1' Extra Height, Add</i>	41.90	
08 14 16 00-0528	EA		2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	246.77	22.60
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	24.19	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	108.85	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	151.19	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	241.90	
			<i>For &gt;50 To 100, Deduct</i>	-13.47	
			<i>For &gt;100, Deduct</i>	-19.64	
			<i>For Up To 1' Extra Height, Add</i>	42.33	
08 14 16 00-0529	EA		3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	250.75	23.58
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	24.43	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	109.94	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	152.69	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	244.31	
			<i>For &gt;50 To 100, Deduct</i>	-13.72	
			<i>For &gt;100, Deduct</i>	-19.99	
			<i>For Up To 1' Extra Height, Add</i>	42.75	
08 14 16 00-0530	EA		3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	269.14	23.58
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	26.64	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	119.87	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	166.49	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	266.38	
			<i>For &gt;50 To 100, Deduct</i>	-14.64	
			<i>For &gt;100, Deduct</i>	-21.36	
			<i>For Up To 1' Extra Height, Add</i>	46.62	
08 14 16 00-0531	EA		3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	286.93	24.56
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	28.54	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	128.42	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	178.36	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	285.37	
			<i>For &gt;50 To 100, Deduct</i>	-15.57	
			<i>For &gt;100, Deduct</i>	-22.75	
			<i>For Up To 1' Extra Height, Add</i>	49.94	
08 14 16 00-0532	EA		3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	298.81	24.56
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	29.96	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	134.83	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	187.27	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	299.63	
			<i>For &gt;50 To 100, Deduct</i>	-16.17	
			<i>For &gt;100, Deduct</i>	-23.64	
			<i>For Up To 1' Extra Height, Add</i>	52.43	
08 14 16 00-0533	EA		4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	322.62	24.56
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	32.82	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	147.69	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	205.13	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	328.20	
			<i>For &gt;50 To 100, Deduct</i>	-17.36	
			<i>For &gt;100, Deduct</i>	-25.42	
			<i>For Up To 1' Extra Height, Add</i>	57.44	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Doors And Frames</b>	<b>08 10</b>	
<b>Wood Doors</b>	<b>08 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 14 16 00-0534 Medium Density Overlay (MDO) Wood Doors <small>(08 14 16 00-0409)</small></b>		
08 14 16 00-0535 EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door .....	202.67	21.61
For Stave Lumber Core (SLC), Add	119.58	
For Structural Composite Lumber Core (SCLC), Add	71.75	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	19.13	
For >50 To 100, Deduct	-11.21	
For >100, Deduct	-16.28	
08 14 16 00-0536 EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door .....	202.67	21.61
For Stave Lumber Core (SLC), Add	119.58	
For Structural Composite Lumber Core (SCLC), Add	71.75	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	19.13	
For >50 To 100, Deduct	-11.21	
For >100, Deduct	-16.28	
08 14 16 00-0537 EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door .....	213.87	22.60
For Stave Lumber Core (SLC), Add	126.51	
For Structural Composite Lumber Core (SCLC), Add	75.91	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.24	
For >50 To 100, Deduct	-11.82	
For >100, Deduct	-17.17	
08 14 16 00-0538 EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door .....	223.08	22.60
For Stave Lumber Core (SLC), Add	133.42	
For Structural Composite Lumber Core (SCLC), Add	80.05	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.35	
For >50 To 100, Deduct	-12.28	
For >100, Deduct	-17.86	
08 14 16 00-0539 EA 2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door .....	224.79	22.60
For Stave Lumber Core (SLC), Add	134.70	
For Structural Composite Lumber Core (SCLC), Add	80.82	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.55	
For >50 To 100, Deduct	-12.37	
For >100, Deduct	-17.99	
08 14 16 00-0540 EA 3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door .....	228.50	23.58
For Stave Lumber Core (SLC), Add	136.01	
For Structural Composite Lumber Core (SCLC), Add	81.60	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.76	
For >50 To 100, Deduct	-12.60	
For >100, Deduct	-18.32	
08 14 16 00-0541 EA 3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door .....	248.49	23.58
For Stave Lumber Core (SLC), Add	151.00	
For Structural Composite Lumber Core (SCLC), Add	90.60	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.16	
For >50 To 100, Deduct	-13.60	
For >100, Deduct	-19.82	
08 14 16 00-0542 EA 3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door .....	286.95	24.56
For Stave Lumber Core (SLC), Add	178.37	
For Structural Composite Lumber Core (SCLC), Add	107.02	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.54	
For >50 To 100, Deduct	-15.58	
For >100, Deduct	-22.75	
08 14 16 00-0543 EA 3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door .....	298.86	24.56
For Stave Lumber Core (SLC), Add	187.31	
For Structural Composite Lumber Core (SCLC), Add	112.38	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.97	
For >50 To 100, Deduct	-16.17	
For >100, Deduct	-23.64	
08 14 16 00-0544 EA 4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door .....	322.62	24.56
For Stave Lumber Core (SLC), Add	205.13	
For Structural Composite Lumber Core (SCLC), Add	123.08	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.82	
For >50 To 100, Deduct	-17.36	
For >100, Deduct	-25.42	
08 14 16 00-0545 EA 2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door .....	211.96	21.61
For Stave Lumber Core (SLC), Add	126.55	
For Structural Composite Lumber Core (SCLC), Add	75.93	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.25	
For >50 To 100, Deduct	-11.68	
For >100, Deduct	-16.98	
08 14 16 00-0546 EA 2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door .....	211.96	21.61
For Stave Lumber Core (SLC), Add	126.55	
For Structural Composite Lumber Core (SCLC), Add	75.93	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.25	
For >50 To 100, Deduct	-11.68	
For >100, Deduct	-16.98	
08 14 16 00-0547 EA 2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door .....	223.69	22.60
For Stave Lumber Core (SLC), Add	133.88	
For Structural Composite Lumber Core (SCLC), Add	80.33	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.42	
For >50 To 100, Deduct	-12.31	
For >100, Deduct	-17.91	

**08 Openings**  
**08 10 Doors And Frames**  
**08 14 Wood Doors**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0548	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	233.44	22.60
			<i>For Stave Lumber Core (SLC), Add</i>	141.19	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	84.71	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	22.59	
			<i>For &gt;50 To 100, Deduct</i>	-12.80	
			<i>For &gt;100, Deduct</i>	-18.64	
08 14 16 00-0549	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	235.25	22.60
			<i>For Stave Lumber Core (SLC), Add</i>	142.55	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	85.53	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	22.81	
			<i>For &gt;50 To 100, Deduct</i>	-12.89	
			<i>For &gt;100, Deduct</i>	-18.77	
08 14 16 00-0550	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	239.06	23.58
			<i>For Stave Lumber Core (SLC), Add</i>	143.93	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	86.36	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	23.03	
			<i>For &gt;50 To 100, Deduct</i>	-13.13	
			<i>For &gt;100, Deduct</i>	-19.11	
08 14 16 00-0551	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	260.20	23.58
			<i>For Stave Lumber Core (SLC), Add</i>	159.78	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	95.87	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	25.56	
			<i>For &gt;50 To 100, Deduct</i>	-14.19	
			<i>For &gt;100, Deduct</i>	-20.69	
08 14 16 00-0552	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	300.79	24.56
			<i>For Stave Lumber Core (SLC), Add</i>	188.75	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	113.25	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	30.20	
			<i>For &gt;50 To 100, Deduct</i>	-16.27	
			<i>For &gt;100, Deduct</i>	-23.79	
08 14 16 00-0553	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	313.38	24.56
			<i>For Stave Lumber Core (SLC), Add</i>	198.20	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	118.92	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	31.71	
			<i>For &gt;50 To 100, Deduct</i>	-16.90	
			<i>For &gt;100, Deduct</i>	-24.73	
08 14 16 00-0554	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	338.54	24.56
			<i>For Stave Lumber Core (SLC), Add</i>	217.07	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	130.24	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	34.73	
			<i>For &gt;50 To 100, Deduct</i>	-18.16	
			<i>For &gt;100, Deduct</i>	-26.62	
08 14 16 00-0555	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	244.86	21.61
			<i>For Stave Lumber Core (SLC), Add</i>	151.22	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	90.73	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	24.20	
			<i>For &gt;50 To 100, Deduct</i>	-13.32	
			<i>For &gt;100, Deduct</i>	-19.45	
			<i>For Up To 1' Extra Height, Add</i>	42.34	
08 14 16 00-0556	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	244.86	21.61
			<i>For Stave Lumber Core (SLC), Add</i>	151.22	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	90.73	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	24.20	
			<i>For &gt;50 To 100, Deduct</i>	-13.32	
			<i>For &gt;100, Deduct</i>	-19.45	
			<i>For Up To 1' Extra Height, Add</i>	42.34	
08 14 16 00-0557	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	258.50	22.60
			<i>For Stave Lumber Core (SLC), Add</i>	159.98	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	95.99	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	25.60	
			<i>For &gt;50 To 100, Deduct</i>	-14.05	
			<i>For &gt;100, Deduct</i>	-20.52	
			<i>For Up To 1' Extra Height, Add</i>	44.80	
08 14 16 00-0558	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	270.16	22.60
			<i>For Stave Lumber Core (SLC), Add</i>	168.73	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	101.24	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	27.00	
			<i>For &gt;50 To 100, Deduct</i>	-14.64	
			<i>For &gt;100, Deduct</i>	-21.39	
			<i>For Up To 1' Extra Height, Add</i>	47.24	
08 14 16 00-0559	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	272.32	22.60
			<i>For Stave Lumber Core (SLC), Add</i>	170.35	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	102.21	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	27.26	
			<i>For &gt;50 To 100, Deduct</i>	-14.75	
			<i>For &gt;100, Deduct</i>	-21.55	
			<i>For Up To 1' Extra Height, Add</i>	47.70	
08 14 16 00-0560	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	276.49	23.58
			<i>For Stave Lumber Core (SLC), Add</i>	172.00	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	103.20	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	27.52	
			<i>For &gt;50 To 100, Deduct</i>	-15.00	
			<i>For &gt;100, Deduct</i>	-21.92	
			<i>For Up To 1' Extra Height, Add</i>	48.16	



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors And Frames	08 10	
Wood Doors	08 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0561	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	301.75 190.94 114.57 30.55 -16.27 -23.81 53.46	23.58
08 14 16 00-0562	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	349.86 225.56 135.33 36.09 -18.72 -27.47 63.16	24.56
08 14 16 00-0563	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	364.92 236.85 142.11 37.90 -19.47 -28.60 66.32	24.56
08 14 16 00-0564	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door..... <i>For Stave Lumber Core (SLC), Add</i> <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Up To 1' Extra Height, Add</i>	394.98 259.40 155.64 41.50 -20.98 -30.85 72.63	24.56
08 14 16 00-0565			<b>2-1/4" Thick, Particleboard Core (PC), Wood Doors</b> <small>(08 14 16)</small> Note: PC = Particleboard, MDF, or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 16 00-0566			<b>Birch Faced Wood Doors</b> <small>(08 14 16 00-0565)</small>		
08 14 16 00-0567	EA		2'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	255.81 -4.25 74.40 25.51 -12.79 -13.87 -20.27	21.61
08 14 16 00-0568	EA		2'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	255.81 -4.25 74.40 25.51 -12.79 -13.87 -20.27	21.61
08 14 16 00-0569	EA		2'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	268.89 -4.47 78.30 26.84 -13.44 -14.57 -21.30	22.60
08 14 16 00-0570	EA		2'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	278.20 -4.66 81.55 27.96 -13.91 -15.04 -21.99	22.60
08 14 16 00-0571	EA		2'-10" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	284.44 -4.79 83.74 28.71 -14.22 -15.35 -22.46	22.60
08 14 16 00-0572	EA		3'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	292.59 -4.91 85.90 29.45 -14.63 -15.81 -23.12	23.58
08 14 16 00-0573	EA		3'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	319.58 -5.45 95.35 32.69 -15.98 -17.16 -25.15	23.58



**08 Openings**  
**08 10 Doors And Frames**  
**08 14 Wood Doors**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0574	EA		3'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	379.86	24.56
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.61	
			<i>For Stave Lumber Core (SLC), Add</i>	115.76	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	39.69	
			<i>For &gt;10 To 50, Deduct</i>	-18.99	
			<i>For &gt;50 To 100, Deduct</i>	-20.22	
			<i>For &gt;100, Deduct</i>	-29.72	
08 14 16 00-0575	EA		3'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	396.42	24.56
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.95	
			<i>For Stave Lumber Core (SLC), Add</i>	121.56	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	41.68	
			<i>For &gt;10 To 50, Deduct</i>	-19.82	
			<i>For &gt;50 To 100, Deduct</i>	-21.05	
			<i>For &gt;100, Deduct</i>	-30.96	
08 14 16 00-0576	EA		4'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	433.40	26.53
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.61	
			<i>For Stave Lumber Core (SLC), Add</i>	133.12	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	45.64	
			<i>For &gt;10 To 50, Deduct</i>	-21.67	
			<i>For &gt;50 To 100, Deduct</i>	-23.00	
			<i>For &gt;100, Deduct</i>	-33.83	
08 14 16 00-0577	EA		2'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	268.18	21.61
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.50	
			<i>For Stave Lumber Core (SLC), Add</i>	78.73	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	26.99	
			<i>For &gt;10 To 50, Deduct</i>	-13.41	
			<i>For &gt;50 To 100, Deduct</i>	-14.49	
			<i>For &gt;100, Deduct</i>	-21.19	
08 14 16 00-0578	EA		2'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	268.18	21.61
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.50	
			<i>For Stave Lumber Core (SLC), Add</i>	78.73	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	26.99	
			<i>For &gt;10 To 50, Deduct</i>	-13.41	
			<i>For &gt;50 To 100, Deduct</i>	-14.49	
			<i>For &gt;100, Deduct</i>	-21.19	
08 14 16 00-0579	EA		2'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	281.89	22.60
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.73	
			<i>For Stave Lumber Core (SLC), Add</i>	82.85	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	28.40	
			<i>For &gt;10 To 50, Deduct</i>	-14.09	
			<i>For &gt;50 To 100, Deduct</i>	-15.22	
			<i>For &gt;100, Deduct</i>	-22.27	
08 14 16 00-0580	EA		2'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	291.77	22.60
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.93	
			<i>For Stave Lumber Core (SLC), Add</i>	86.30	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	29.59	
			<i>For &gt;10 To 50, Deduct</i>	-14.59	
			<i>For &gt;50 To 100, Deduct</i>	-15.72	
			<i>For &gt;100, Deduct</i>	-23.01	
08 14 16 00-0581	EA		2'-10" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	298.36	22.60
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.06	
			<i>For Stave Lumber Core (SLC), Add</i>	88.61	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	30.38	
			<i>For &gt;10 To 50, Deduct</i>	-14.92	
			<i>For &gt;50 To 100, Deduct</i>	-16.05	
			<i>For &gt;100, Deduct</i>	-23.51	
08 14 16 00-0582	EA		3'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	306.87	23.58
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.19	
			<i>For Stave Lumber Core (SLC), Add</i>	90.90	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	31.17	
			<i>For &gt;10 To 50, Deduct</i>	-15.34	
			<i>For &gt;50 To 100, Deduct</i>	-16.52	
			<i>For &gt;100, Deduct</i>	-24.19	
08 14 16 00-0583	EA		3'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	335.43	23.58
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.77	
			<i>For Stave Lumber Core (SLC), Add</i>	100.89	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	34.59	
			<i>For &gt;10 To 50, Deduct</i>	-16.77	
			<i>For &gt;50 To 100, Deduct</i>	-17.95	
			<i>For &gt;100, Deduct</i>	-26.34	
08 14 16 00-0584	EA		3'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	399.12	24.56
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.00	
			<i>For Stave Lumber Core (SLC), Add</i>	122.50	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	42.00	
			<i>For &gt;10 To 50, Deduct</i>	-19.96	
			<i>For &gt;50 To 100, Deduct</i>	-21.18	
			<i>For &gt;100, Deduct</i>	-31.16	
08 14 16 00-0585	EA		3'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	416.63	24.56
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.35	
			<i>For Stave Lumber Core (SLC), Add</i>	128.63	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	44.10	
			<i>For &gt;10 To 50, Deduct</i>	-20.83	
			<i>For &gt;50 To 100, Deduct</i>	-22.06	
			<i>For &gt;100, Deduct</i>	-32.48	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0586	EA			4'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	455.54 -8.05 140.87 48.30 -22.78 -24.10 -35.49	26.53
08 14 16 00-0587	EA			2'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For Up To 1' Extra Height, Add</i> <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	313.18 56.69 -5.40 94.48 32.39 -15.66 -16.74 -24.57	21.61
08 14 16 00-0588	EA			2'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For Up To 1' Extra Height, Add</i> <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	313.18 56.69 -5.40 94.48 32.39 -15.66 -16.74 -24.57	21.61
08 14 16 00-0589	EA			2'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For Up To 1' Extra Height, Add</i> <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	329.25 59.65 -5.68 99.42 34.09 -16.46 -17.59 -25.82	22.60
08 14 16 00-0590	EA			2'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For Up To 1' Extra Height, Add</i> <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	341.08 62.14 -5.92 103.56 35.51 -17.05 -18.18 -26.71	22.60
08 14 16 00-0591	EA			2'-10" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For Up To 1' Extra Height, Add</i> <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	348.99 63.80 -6.08 106.33 36.46 -17.45 -18.58 -27.30	22.60
08 14 16 00-0592	EA			3'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For Up To 1' Extra Height, Add</i> <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	358.80 65.44 -6.23 109.07 37.40 -17.94 -19.12 -28.09	23.58
08 14 16 00-0593	EA			3'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For Up To 1' Extra Height, Add</i> <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	393.09 72.65 -6.92 121.08 41.51 -19.65 -20.83 -30.66	23.58
08 14 16 00-0594	EA			3'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For Up To 1' Extra Height, Add</i> <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	469.13 88.20 -8.40 147.00 50.40 -23.46 -24.68 -36.41	24.56
08 14 16 00-0595	EA			3'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For Up To 1' Extra Height, Add</i> <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	490.15 92.62 -8.82 154.36 52.92 -24.51 -25.74 -37.99	24.56
08 14 16 00-0596	EA			4'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... <i>For Up To 1' Extra Height, Add</i> <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	536.04 101.43 -9.66 169.05 57.96 -26.80 -28.13 -41.53	26.53

<b>08</b>	<b>Openings</b>
<b>08 10</b>	<b>Doors And Frames</b>
<b>08 14</b>	<b>Wood Doors</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 14 16 00-0597	Oak Faced Wood Doors <small>(08 14 16 00-0565)</small>		
08 14 16 00-0598	EA 2'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	362.12	21.61
	For 7 Ply Cold Press Construction, Deduct	-6.38	
	For Stave Lumber Core (SLC), Add	111.61	
	For Commercial Grade 45 Minute Fire Rated Door, Add	38.27	
	For >10 To 50, Deduct	-18.11	
	For >50 To 100, Deduct	-19.19	
	For >100, Deduct	-28.24	
08 14 16 00-0599	EA 2'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	362.12	21.61
	For 7 Ply Cold Press Construction, Deduct	-6.38	
	For Stave Lumber Core (SLC), Add	111.61	
	For Commercial Grade 45 Minute Fire Rated Door, Add	38.27	
	For >10 To 50, Deduct	-18.11	
	For >50 To 100, Deduct	-19.19	
	For >100, Deduct	-28.24	
08 14 16 00-0600	EA 2'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	364.08	22.60
	For 7 Ply Cold Press Construction, Deduct	-6.38	
	For Stave Lumber Core (SLC), Add	111.61	
	For Commercial Grade 45 Minute Fire Rated Door, Add	38.27	
	For >10 To 50, Deduct	-18.20	
	For >50 To 100, Deduct	-19.33	
	For >100, Deduct	-28.44	
08 14 16 00-0601	EA 2'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	367.39	22.60
	For 7 Ply Cold Press Construction, Deduct	-6.44	
	For Stave Lumber Core (SLC), Add	112.77	
	For Commercial Grade 45 Minute Fire Rated Door, Add	38.66	
	For >10 To 50, Deduct	-18.37	
	For >50 To 100, Deduct	-19.50	
	For >100, Deduct	-28.68	
08 14 16 00-0602	EA 2'-10" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	368.86	22.60
	For 7 Ply Cold Press Construction, Deduct	-6.47	
	For Stave Lumber Core (SLC), Add	113.28	
	For Commercial Grade 45 Minute Fire Rated Door, Add	38.84	
	For >10 To 50, Deduct	-18.44	
	For >50 To 100, Deduct	-19.57	
	For >100, Deduct	-28.79	
08 14 16 00-0603	EA 3'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	372.30	23.58
	For 7 Ply Cold Press Construction, Deduct	-6.50	
	For Stave Lumber Core (SLC), Add	113.80	
	For Commercial Grade 45 Minute Fire Rated Door, Add	39.02	
	For >10 To 50, Deduct	-18.62	
	For >50 To 100, Deduct	-19.79	
	For >100, Deduct	-29.10	
08 14 16 00-0604	EA 3'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	408.04	23.58
	For 7 Ply Cold Press Construction, Deduct	-7.22	
	For Stave Lumber Core (SLC), Add	126.31	
	For Commercial Grade 45 Minute Fire Rated Door, Add	43.31	
	For >10 To 50, Deduct	-20.40	
	For >50 To 100, Deduct	-21.58	
	For >100, Deduct	-31.78	
08 14 16 00-0605	EA 3'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	501.95	24.56
	For 7 Ply Cold Press Construction, Deduct	-9.06	
	For Stave Lumber Core (SLC), Add	158.49	
	For Commercial Grade 45 Minute Fire Rated Door, Add	54.34	
	For >10 To 50, Deduct	-25.10	
	For >50 To 100, Deduct	-26.33	
	For >100, Deduct	-38.87	
08 14 16 00-0606	EA 3'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	524.91	24.56
	For 7 Ply Cold Press Construction, Deduct	-9.52	
	For Stave Lumber Core (SLC), Add	166.53	
	For Commercial Grade 45 Minute Fire Rated Door, Add	57.09	
	For >10 To 50, Deduct	-26.25	
	For >50 To 100, Deduct	-27.47	
	For >100, Deduct	-40.60	
08 14 16 00-0607	EA 4'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	573.81	26.53
	For 7 Ply Cold Press Construction, Deduct	-10.42	
	For Stave Lumber Core (SLC), Add	182.27	
	For Commercial Grade 45 Minute Fire Rated Door, Add	62.49	
	For >10 To 50, Deduct	-28.69	
	For >50 To 100, Deduct	-30.02	
	For >100, Deduct	-44.36	
08 14 16 00-0608	EA 2'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	380.69	21.61
	For 7 Ply Cold Press Construction, Deduct	-6.75	
	For Stave Lumber Core (SLC), Add	118.11	
	For Commercial Grade 45 Minute Fire Rated Door, Add	40.50	
	For >10 To 50, Deduct	-19.03	
	For >50 To 100, Deduct	-20.12	
	For >100, Deduct	-29.63	
08 14 16 00-0609	EA 2'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	380.69	21.61
	For 7 Ply Cold Press Construction, Deduct	-6.75	
	For Stave Lumber Core (SLC), Add	118.11	
	For Commercial Grade 45 Minute Fire Rated Door, Add	40.50	
	For >10 To 50, Deduct	-19.03	
	For >50 To 100, Deduct	-20.12	
	For >100, Deduct	-29.63	



<b>Openings</b>	<b>08</b>
<b>Doors And Frames</b>	<b>08 10</b>
<b>Wood Doors</b>	<b>08 14</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0610	EA		2'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	382.65	22.60
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.75	
			<i>For Stave Lumber Core (SLC), Add</i>	118.11	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	40.50	
			<i>For &gt;10 To 50, Deduct</i>	-19.13	
			<i>For &gt;50 To 100, Deduct</i>	-20.26	
			<i>For &gt;100, Deduct</i>	-29.83	
08 14 16 00-0611	EA		2'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	386.13	22.60
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.82	
			<i>For Stave Lumber Core (SLC), Add</i>	119.33	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	40.91	
			<i>For &gt;10 To 50, Deduct</i>	-19.31	
			<i>For &gt;50 To 100, Deduct</i>	-20.44	
			<i>For &gt;100, Deduct</i>	-30.09	
08 14 16 00-0612	EA		2'-10" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	387.69	22.60
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.85	
			<i>For Stave Lumber Core (SLC), Add</i>	119.88	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	41.10	
			<i>For &gt;10 To 50, Deduct</i>	-19.38	
			<i>For &gt;50 To 100, Deduct</i>	-20.51	
			<i>For &gt;100, Deduct</i>	-30.21	
08 14 16 00-0613	EA		3'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	391.23	23.58
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.88	
			<i>For Stave Lumber Core (SLC), Add</i>	120.42	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	41.29	
			<i>For &gt;10 To 50, Deduct</i>	-19.56	
			<i>For &gt;50 To 100, Deduct</i>	-20.74	
			<i>For &gt;100, Deduct</i>	-30.52	
08 14 16 00-0614	EA		3'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	429.03	23.58
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.64	
			<i>For Stave Lumber Core (SLC), Add</i>	133.65	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	45.82	
			<i>For &gt;10 To 50, Deduct</i>	-21.45	
			<i>For &gt;50 To 100, Deduct</i>	-22.63	
			<i>For &gt;100, Deduct</i>	-33.36	
08 14 16 00-0615	EA		3'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	528.31	24.56
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.58	
			<i>For Stave Lumber Core (SLC), Add</i>	167.72	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	57.50	
			<i>For &gt;10 To 50, Deduct</i>	-26.42	
			<i>For &gt;50 To 100, Deduct</i>	-27.64	
			<i>For &gt;100, Deduct</i>	-40.85	
08 14 16 00-0616	EA		3'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	552.59	24.56
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.07	
			<i>For Stave Lumber Core (SLC), Add</i>	176.21	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	60.42	
			<i>For &gt;10 To 50, Deduct</i>	-27.63	
			<i>For &gt;50 To 100, Deduct</i>	-28.86	
			<i>For &gt;100, Deduct</i>	-42.67	
08 14 16 00-0617	EA		4'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	604.11	26.53
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-11.02	
			<i>For Stave Lumber Core (SLC), Add</i>	192.87	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	66.13	
			<i>For &gt;10 To 50, Deduct</i>	-30.21	
			<i>For &gt;50 To 100, Deduct</i>	-31.53	
			<i>For &gt;100, Deduct</i>	-46.63	
08 14 16 00-0618	EA		2'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	448.17	21.61
			<i>For Up To 1' Extra Height, Add</i>	85.04	
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.10	
			<i>For Stave Lumber Core (SLC), Add</i>	141.73	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	48.59	
			<i>For &gt;10 To 50, Deduct</i>	-22.41	
			<i>For &gt;50 To 100, Deduct</i>	-23.49	
			<i>For &gt;100, Deduct</i>	-34.69	
08 14 16 00-0619	EA		2'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	448.17	21.61
			<i>For Up To 1' Extra Height, Add</i>	85.04	
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.10	
			<i>For Stave Lumber Core (SLC), Add</i>	141.73	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	48.59	
			<i>For &gt;10 To 50, Deduct</i>	-22.41	
			<i>For &gt;50 To 100, Deduct</i>	-23.49	
			<i>For &gt;100, Deduct</i>	-34.69	
08 14 16 00-0620	EA		2'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	450.13	22.60
			<i>For Up To 1' Extra Height, Add</i>	85.04	
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.10	
			<i>For Stave Lumber Core (SLC), Add</i>	141.73	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	48.59	
			<i>For &gt;10 To 50, Deduct</i>	-22.51	
			<i>For &gt;50 To 100, Deduct</i>	-23.64	
			<i>For &gt;100, Deduct</i>	-34.89	

<b>08</b>	<b>Openings</b>
<b>08 10</b>	<b>Doors And Frames</b>
<b>08 14</b>	<b>Wood Doors</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0621	EA		2'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	454.32	22.60
			<i>For Up To 1' Extra Height, Add</i>	85.92	
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.18	
			<i>For Stave Lumber Core (SLC), Add</i>	143.20	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	49.10	
			<i>For &gt;10 To 50, Deduct</i>	-22.72	
			<i>For &gt;50 To 100, Deduct</i>	-23.85	
			<i>For &gt;100, Deduct</i>	-35.20	
08 14 16 00-0622	EA		2'-10" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	456.18	22.60
			<i>For Up To 1' Extra Height, Add</i>	86.31	
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.22	
			<i>For Stave Lumber Core (SLC), Add</i>	143.85	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	49.32	
			<i>For &gt;10 To 50, Deduct</i>	-22.81	
			<i>For &gt;50 To 100, Deduct</i>	-23.94	
			<i>For &gt;100, Deduct</i>	-35.34	
08 14 16 00-0623	EA		3'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	460.04	23.58
			<i>For Up To 1' Extra Height, Add</i>	86.70	
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.26	
			<i>For Stave Lumber Core (SLC), Add</i>	144.51	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	49.55	
			<i>For &gt;10 To 50, Deduct</i>	-23.00	
			<i>For &gt;50 To 100, Deduct</i>	-24.18	
			<i>For &gt;100, Deduct</i>	-35.68	
08 14 16 00-0624	EA		3'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	505.41	23.58
			<i>For Up To 1' Extra Height, Add</i>	96.23	
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.17	
			<i>For Stave Lumber Core (SLC), Add</i>	160.39	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	54.99	
			<i>For &gt;10 To 50, Deduct</i>	-25.27	
			<i>For &gt;50 To 100, Deduct</i>	-26.45	
			<i>For &gt;100, Deduct</i>	-39.08	
08 14 16 00-0625	EA		3'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	624.14	24.56
			<i>For Up To 1' Extra Height, Add</i>	120.75	
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-11.50	
			<i>For Stave Lumber Core (SLC), Add</i>	201.26	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	69.00	
			<i>For &gt;10 To 50, Deduct</i>	-31.21	
			<i>For &gt;50 To 100, Deduct</i>	-32.44	
			<i>For &gt;100, Deduct</i>	-48.04	
08 14 16 00-0626	EA		3'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	653.29	24.56
			<i>For Up To 1' Extra Height, Add</i>	126.88	
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-12.08	
			<i>For Stave Lumber Core (SLC), Add</i>	211.46	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	72.50	
			<i>For &gt;10 To 50, Deduct</i>	-32.66	
			<i>For &gt;50 To 100, Deduct</i>	-33.89	
			<i>For &gt;100, Deduct</i>	-50.22	
08 14 16 00-0627	EA		4'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	714.32	26.53
			<i>For Up To 1' Extra Height, Add</i>	138.87	
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-13.23	
			<i>For Stave Lumber Core (SLC), Add</i>	231.44	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	79.35	
			<i>For &gt;10 To 50, Deduct</i>	-35.72	
			<i>For &gt;50 To 100, Deduct</i>	-37.04	
			<i>For &gt;100, Deduct</i>	-54.90	
<b>08 14 16 00-0628</b>			<b>Maple Faced Wood Doors</b> (08 14 16 00-0565)		
08 14 16 00-0629	EA		2'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	425.91	21.61
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.65	
			<i>For Stave Lumber Core (SLC), Add</i>	133.94	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	45.92	
			<i>For &gt;10 To 50, Deduct</i>	-21.30	
			<i>For &gt;50 To 100, Deduct</i>	-22.38	
			<i>For &gt;100, Deduct</i>	-33.02	
08 14 16 00-0630	EA		2'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	425.91	21.61
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.65	
			<i>For Stave Lumber Core (SLC), Add</i>	133.94	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	45.92	
			<i>For &gt;10 To 50, Deduct</i>	-21.30	
			<i>For &gt;50 To 100, Deduct</i>	-22.38	
			<i>For &gt;100, Deduct</i>	-33.02	
08 14 16 00-0631	EA		2'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	427.87	22.60
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.65	
			<i>For Stave Lumber Core (SLC), Add</i>	133.94	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	45.92	
			<i>For &gt;10 To 50, Deduct</i>	-21.39	
			<i>For &gt;50 To 100, Deduct</i>	-22.52	
			<i>For &gt;100, Deduct</i>	-33.22	
08 14 16 00-0632	EA		2'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	431.83	22.60
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.73	
			<i>For Stave Lumber Core (SLC), Add</i>	135.32	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	46.40	
			<i>For &gt;10 To 50, Deduct</i>	-21.59	
			<i>For &gt;50 To 100, Deduct</i>	-22.72	
			<i>For &gt;100, Deduct</i>	-33.52	



<b>Openings</b>	<b>08</b>
<b>Doors And Frames</b>	<b>08 10</b>
<b>Wood Doors</b>	<b>08 14</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0633	EA		2'-10" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	433.60 -7.77 135.94 46.61 -21.68 -22.81 -33.65	22.60
08 14 16 00-0634	EA		3'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	437.33 -7.80 136.56 46.82 -21.87 -23.05 -33.98	23.58
08 14 16 00-0635	EA		3'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	480.20 -8.66 151.56 51.96 -24.01 -25.19 -37.19	23.58
08 14 16 00-0636	EA		3'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	565.35 -10.32 180.68 61.95 -28.27 -29.50 -43.63	24.56
08 14 16 00-0637	EA		3'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	619.71 -11.41 199.71 68.47 -30.99 -32.21 -47.71	24.56
08 14 16 00-0638	EA		4'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door ..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	674.06 -12.50 218.73 74.99 -33.70 -34.93 -51.78	24.56
08 14 16 00-0639	EA		2'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	448.17 -8.10 141.73 48.59 -22.41 -23.49 -34.69	21.61
08 14 16 00-0640	EA		2'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	448.17 -8.10 141.73 48.59 -22.41 -23.49 -34.69	21.61
08 14 16 00-0641	EA		2'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	450.13 -8.10 141.73 48.59 -22.51 -23.64 -34.89	22.60
08 14 16 00-0642	EA		2'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	454.32 -8.18 143.20 49.10 -22.72 -23.85 -35.20	22.60
08 14 16 00-0643	EA		2'-10" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	456.18 -8.22 143.85 49.32 -22.81 -23.94 -35.34	22.60
08 14 16 00-0644	EA		3'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	460.04 -8.26 144.51 49.55 -23.00 -24.18 -35.68	23.58

**08 Openings****08 10 Doors And Frames****08 14 Wood Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0645	EA		3'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	505.41	23.58
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.17	
			<i>For Stave Lumber Core (SLC), Add</i>	160.39	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	54.99	
			<i>For &gt;10 To 50, Deduct</i>	-25.27	
			<i>For &gt;50 To 100, Deduct</i>	-26.45	
			<i>For &gt;100, Deduct</i>	-39.08	
08 14 16 00-0646	EA		3'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	595.41	24.56
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.93	
			<i>For Stave Lumber Core (SLC), Add</i>	191.20	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	65.55	
			<i>For &gt;10 To 50, Deduct</i>	-29.77	
			<i>For &gt;50 To 100, Deduct</i>	-31.00	
			<i>For &gt;100, Deduct</i>	-45.88	
08 14 16 00-0647	EA		3'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	653.41	24.56
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-12.09	
			<i>For Stave Lumber Core (SLC), Add</i>	211.50	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	72.51	
			<i>For &gt;10 To 50, Deduct</i>	-32.67	
			<i>For &gt;50 To 100, Deduct</i>	-33.90	
			<i>For &gt;100, Deduct</i>	-50.23	
08 14 16 00-0648	EA		4'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	710.41	24.56
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-13.23	
			<i>For Stave Lumber Core (SLC), Add</i>	231.45	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	79.35	
			<i>For &gt;10 To 50, Deduct</i>	-35.52	
			<i>For &gt;50 To 100, Deduct</i>	-36.75	
			<i>For &gt;100, Deduct</i>	-54.51	
08 14 16 00-0649	EA		2'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	529.16	21.61
			<i>For Up To 1' Extra Height, Add</i>	102.05	
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.72	
			<i>For Stave Lumber Core (SLC), Add</i>	170.08	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	58.31	
			<i>For &gt;10 To 50, Deduct</i>	-26.46	
			<i>For &gt;50 To 100, Deduct</i>	-27.54	
			<i>For &gt;100, Deduct</i>	-40.77	
08 14 16 00-0650	EA		2'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	529.16	21.61
			<i>For Up To 1' Extra Height, Add</i>	102.05	
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.72	
			<i>For Stave Lumber Core (SLC), Add</i>	170.08	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	58.31	
			<i>For &gt;10 To 50, Deduct</i>	-26.46	
			<i>For &gt;50 To 100, Deduct</i>	-27.54	
			<i>For &gt;100, Deduct</i>	-40.77	
08 14 16 00-0651	EA		2'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	531.12	22.60
			<i>For Up To 1' Extra Height, Add</i>	102.05	
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.72	
			<i>For Stave Lumber Core (SLC), Add</i>	170.08	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	58.31	
			<i>For &gt;10 To 50, Deduct</i>	-26.56	
			<i>For &gt;50 To 100, Deduct</i>	-27.69	
			<i>For &gt;100, Deduct</i>	-40.96	
08 14 16 00-0652	EA		2'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	536.14	22.60
			<i>For Up To 1' Extra Height, Add</i>	103.10	
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.82	
			<i>For Stave Lumber Core (SLC), Add</i>	171.83	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	58.91	
			<i>For &gt;10 To 50, Deduct</i>	-26.81	
			<i>For &gt;50 To 100, Deduct</i>	-27.94	
			<i>For &gt;100, Deduct</i>	-41.34	
08 14 16 00-0653	EA		2'-10" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	538.39	22.60
			<i>For Up To 1' Extra Height, Add</i>	103.57	
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.86	
			<i>For Stave Lumber Core (SLC), Add</i>	172.62	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	59.18	
			<i>For &gt;10 To 50, Deduct</i>	-26.92	
			<i>For &gt;50 To 100, Deduct</i>	-28.05	
			<i>For &gt;100, Deduct</i>	-41.51	
08 14 16 00-0654	EA		3'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	542.62	23.58
			<i>For Up To 1' Extra Height, Add</i>	104.05	
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.91	
			<i>For Stave Lumber Core (SLC), Add</i>	173.41	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	59.46	
			<i>For &gt;10 To 50, Deduct</i>	-27.13	
			<i>For &gt;50 To 100, Deduct</i>	-28.31	
			<i>For &gt;100, Deduct</i>	-41.88	
08 14 16 00-0655	EA		3'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	597.05	23.58
			<i>For Up To 1' Extra Height, Add</i>	115.48	
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-11.00	
			<i>For Stave Lumber Core (SLC), Add</i>	192.46	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	65.99	
			<i>For &gt;10 To 50, Deduct</i>	-29.85	
			<i>For &gt;50 To 100, Deduct</i>	-31.03	
			<i>For &gt;100, Deduct</i>	-45.96	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Doors And Frames</b>	<b>08 10</b>	
<b>Wood Doors</b>	<b>08 14</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0656	EA		3'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For Up To 1' Extra Height, Add</i> <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	704.63 137.66 -13.11 229.43 78.66 -35.23 -36.46 -54.08	24.56
08 14 16 00-0657	EA		3'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For Up To 1' Extra Height, Add</i> <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	773.69 152.16 -14.49 253.60 86.95 -38.68 -39.91 -59.25	24.56
08 14 16 00-0658	EA		4'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door..... <i>For Up To 1' Extra Height, Add</i> <i>For 7 Ply Cold Press Construction, Deduct</i> <i>For Stave Lumber Core (SLC), Add</i> <i>For Commercial Grade 45 Minute Fire Rated Door, Add</i> <i>For &gt;10 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	842.67 166.65 -15.87 277.74 95.23 -42.13 -43.36 -64.43	24.56
08 14 16 00-0659			<b>Manufacturer Prefinished Options For Flush Wood Doors</b> (08 14 16)		
08 14 16 00-0660	EA		Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door ..... Note: Includes any standard manufacturer color on six sides. <i>For Custom Color To Match Non Standard Manufacturer Finish, Add</i>	41.49 13.82	
08 14 16 00-0661			<b>Semicircular Head Door, 1-3/4" Thick, Particleboard Core (PC), Wood Doors</b> (08 14 16)		
08 14 16 00-0662	EA		2' x 6'-9" x 1-3/4" Thick, Particleboard Core, Semicircular Head Birch Faced Wood Door .....	1,990.96	17.29
08 14 16 00-0663	EA		2'-4" x 6'-9" x 1-3/4" Thick, Particleboard Core, Semicircular Head Birch Faced Wood Door.....	1,990.96	53.95
08 14 16 00-0664	EA		2'-6" x 6'-9" x 1-3/4" Thick, Particleboard Core, Semicircular Head Birch Faced Wood Door.....	1,990.96	17.29
08 14 23			<b>Clad Wood Doors</b> (08 14)		
08 14 23 13			<b>Metal-Faced Wood Doors</b> (08 14 23) See CSI section 08 70 00 00-0000 for finish hardware.		
08 14 23 13-0001			<b>24 Gauge Metal Clad Door, 1-3/4" Thick, Solid Staved Wood Core</b> (08 14 23 13)		
08 14 23 13-0002	EA		2' 6" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door .....	445.04	48.33
08 14 23 13-0003	EA		2' 8" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door .....	472.24	53.05
08 14 23 13-0004	EA		2' 10" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door .....	503.58	58.55
08 14 23 13-0005	EA		3'-0" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door .....	527.82	60.52
08 14 23 13-0006	EA		3' 4" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door .....	560.28	66.60
08 14 23 13-0007	EA		3' 8" x 7' x 1-3/4" Thick, Metal Clad Door, Solid Staved Wood Core, Flush Type Door .....	615.20	68.77
08 14 23 16			<b>Plastic-Laminate-Faced Wood Doors</b> (08 14 23)		
08 14 23 16-0001			<b>1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors</b> (08 14 23 16) Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 23 16-0002	EA		2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	139.27	21.61
			<i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	43.22 3.36 -8.04 -11.53	
08 14 23 16-0003	EA		2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	139.27	21.61
			<i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	43.22 3.36 -8.04 -11.53	
08 14 23 16-0004	EA		2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	146.51	22.60
			<i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	45.59 3.55 -8.46 -12.12	
08 14 23 16-0005	EA		2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	151.79	22.60
			<i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	47.97 3.73 -8.72 -12.51	



**08 Openings**  
**08 10 Doors And Frames**  
**08 14 Wood Doors**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0006	EA		2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....154.45	154.45	22.60
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	49.17	
			<i>For 5 Ply Construction, Add</i>	3.82	
			<i>For &gt;50 To 100, Deduct</i>	-8.85	
			<i>For &gt;100, Deduct</i>	-12.71	
08 14 23 16-0007	EA		3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....159.07	159.07	23.58
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	50.36	
			<i>For 5 Ply Construction, Add</i>	3.92	
			<i>For &gt;50 To 100, Deduct</i>	-9.13	
			<i>For &gt;100, Deduct</i>	-13.11	
08 14 23 16-0008	EA		3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....171.38	171.38	23.58
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	55.90	
			<i>For 5 Ply Construction, Add</i>	4.35	
			<i>For &gt;50 To 100, Deduct</i>	-9.75	
			<i>For &gt;100, Deduct</i>	-14.03	
08 14 23 16-0009	EA		3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....181.29	181.29	24.56
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	59.48	
			<i>For 5 Ply Construction, Add</i>	4.63	
			<i>For &gt;50 To 100, Deduct</i>	-10.29	
			<i>For &gt;100, Deduct</i>	-14.82	
08 14 23 16-0010	EA		2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....144.85	144.85	21.61
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	45.73	
			<i>For 5 Ply Construction, Add</i>	3.56	
			<i>For &gt;50 To 100, Deduct</i>	-8.32	
			<i>For &gt;100, Deduct</i>	-11.94	
08 14 23 16-0011	EA		2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....144.85	144.85	21.61
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	45.73	
			<i>For 5 Ply Construction, Add</i>	3.56	
			<i>For &gt;50 To 100, Deduct</i>	-8.32	
			<i>For &gt;100, Deduct</i>	-11.94	
08 14 23 16-0012	EA		2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....152.41	152.41	22.60
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	48.25	
			<i>For 5 Ply Construction, Add</i>	3.75	
			<i>For &gt;50 To 100, Deduct</i>	-8.75	
			<i>For &gt;100, Deduct</i>	-12.56	
08 14 23 16-0013	EA		2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....157.99	157.99	22.60
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	50.76	
			<i>For 5 Ply Construction, Add</i>	3.95	
			<i>For &gt;50 To 100, Deduct</i>	-9.03	
			<i>For &gt;100, Deduct</i>	-12.98	
08 14 23 16-0014	EA		2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....160.81	160.81	22.60
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	52.03	
			<i>For 5 Ply Construction, Add</i>	4.05	
			<i>For &gt;50 To 100, Deduct</i>	-9.17	
			<i>For &gt;100, Deduct</i>	-13.19	
08 14 23 16-0015	EA		3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....165.59	165.59	23.58
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	53.29	
			<i>For 5 Ply Construction, Add</i>	4.15	
			<i>For &gt;50 To 100, Deduct</i>	-9.46	
			<i>For &gt;100, Deduct</i>	-13.60	
08 14 23 16-0016	EA		3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....178.61	178.61	23.58
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	59.15	
			<i>For 5 Ply Construction, Add</i>	4.60	
			<i>For &gt;50 To 100, Deduct</i>	-10.11	
			<i>For &gt;100, Deduct</i>	-14.57	
08 14 23 16-0017	EA		3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....188.98	188.98	24.56
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	62.94	
			<i>For 5 Ply Construction, Add</i>	4.90	
			<i>For &gt;50 To 100, Deduct</i>	-10.68	
			<i>For &gt;100, Deduct</i>	-15.40	
08 14 23 16-0018	EA		2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....164.67	164.67	21.61
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	54.65	
			<i>For 5 Ply Construction, Add</i>	4.25	
			<i>For &gt;50 To 100, Deduct</i>	-9.31	
			<i>For &gt;100, Deduct</i>	-13.43	
08 14 23 16-0019	EA		2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....164.67	164.67	21.61
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	54.65	
			<i>For 5 Ply Construction, Add</i>	4.25	
			<i>For &gt;50 To 100, Deduct</i>	-9.31	
			<i>For &gt;100, Deduct</i>	-13.43	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Doors And Frames</b>	<b>08 10</b>	
<b>Wood Doors</b>	<b>08 14</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0020	EA		2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	173.31	22.60
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	57.65	
			<i>For 5 Ply Construction, Add</i>	4.48	
			<i>For &gt;50 To 100, Deduct</i>	-9.80	
			<i>For &gt;100, Deduct</i>	-14.13	
08 14 23 16-0021	EA		2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	179.99	22.60
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	60.66	
			<i>For 5 Ply Construction, Add</i>	4.72	
			<i>For &gt;50 To 100, Deduct</i>	-10.13	
			<i>For &gt;100, Deduct</i>	-14.63	
08 14 23 16-0022	EA		2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	183.36	22.60
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	62.18	
			<i>For 5 Ply Construction, Add</i>	4.84	
			<i>For &gt;50 To 100, Deduct</i>	-10.30	
			<i>For &gt;100, Deduct</i>	-14.88	
08 14 23 16-0023	EA		3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	188.68	23.58
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	63.68	
			<i>For 5 Ply Construction, Add</i>	4.95	
			<i>For &gt;50 To 100, Deduct</i>	-10.61	
			<i>For &gt;100, Deduct</i>	-15.33	
08 14 23 16-0024	EA		3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	204.24	23.58
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	70.69	
			<i>For 5 Ply Construction, Add</i>	5.50	
			<i>For &gt;50 To 100, Deduct</i>	-11.39	
			<i>For &gt;100, Deduct</i>	-16.50	
08 14 23 16-0025	EA		3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	216.25	24.56
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	75.21	
			<i>For 5 Ply Construction, Add</i>	5.85	
			<i>For &gt;50 To 100, Deduct</i>	-12.04	
			<i>For &gt;100, Deduct</i>	-17.45	
08 14 23 16-0026			<b>1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors</b> <small>(08 14 23 16)</small>		
			Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 23 16-0027	EA		2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	206.85	21.61
			<i>For 5 Ply Construction, Add</i>	5.73	
			<i>For Stave Lumber Core (SLC), Add</i>	122.72	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	73.63	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	19.63	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	88.35	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	122.72	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	196.34	
			<i>For &gt;50 To 100, Deduct</i>	-11.42	
			<i>For &gt;100, Deduct</i>	-16.59	
08 14 23 16-0028	EA		2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	206.84	21.61
			<i>For 5 Ply Construction, Add</i>	5.73	
			<i>For Stave Lumber Core (SLC), Add</i>	122.71	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	73.62	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	19.63	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	88.35	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	122.71	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	196.33	
			<i>For &gt;50 To 100, Deduct</i>	-11.42	
			<i>For &gt;100, Deduct</i>	-16.59	
08 14 23 16-0029	EA		2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	213.92	22.60
			<i>For 5 Ply Construction, Add</i>	5.91	
			<i>For Stave Lumber Core (SLC), Add</i>	126.55	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	75.93	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	20.25	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	91.11	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	126.55	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	202.48	
			<i>For &gt;50 To 100, Deduct</i>	-11.83	
			<i>For &gt;100, Deduct</i>	-17.17	
08 14 23 16-0030	EA		2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	213.92	22.60
			<i>For 5 Ply Construction, Add</i>	5.91	
			<i>For Stave Lumber Core (SLC), Add</i>	126.55	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	75.93	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	20.25	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	91.11	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	126.55	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	202.48	
			<i>For &gt;50 To 100, Deduct</i>	-11.83	
			<i>For &gt;100, Deduct</i>	-17.17	

<b>08</b>	<b>Openings</b>
<b>08 10</b>	<b>Doors And Frames</b>
<b>08 14</b>	<b>Wood Doors</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0031	EA		2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	224.05	22.60
			For 5 Ply Construction, Add	6.26	
			For Stave Lumber Core (SLC), Add	134.15	
			For Structural Composite Lumber Core (SCLC), Add	80.49	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.46	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	96.58	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	134.15	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	214.63	
			For >50 To 100, Deduct	-12.33	
			For >100, Deduct	-17.93	
08 14 23 16-0032	EA		3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	236.15	23.58
			For 5 Ply Construction, Add	6.61	
			For Stave Lumber Core (SLC), Add	141.74	
			For Structural Composite Lumber Core (SCLC), Add	85.05	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.68	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	102.05	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	141.74	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	226.79	
			For >50 To 100, Deduct	-12.99	
			For >100, Deduct	-18.89	
08 14 23 16-0033	EA		3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	246.51	23.58
			For 5 Ply Construction, Add	6.98	
			For Stave Lumber Core (SLC), Add	149.51	
			For Structural Composite Lumber Core (SCLC), Add	89.71	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.92	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	107.65	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	149.51	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	239.22	
			For >50 To 100, Deduct	-13.50	
			For >100, Deduct	-19.67	
08 14 23 16-0034	EA		3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	253.64	24.56
			For 5 Ply Construction, Add	7.16	
			For Stave Lumber Core (SLC), Add	153.39	
			For Structural Composite Lumber Core (SCLC), Add	92.03	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.54	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	110.44	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	153.39	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	245.42	
			For >50 To 100, Deduct	-13.91	
			For >100, Deduct	-20.25	
08 14 23 16-0035	EA		3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	263.86	24.56
			For 5 Ply Construction, Add	7.52	
			For Stave Lumber Core (SLC), Add	161.06	
			For Structural Composite Lumber Core (SCLC), Add	96.63	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.77	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	115.96	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	161.06	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	257.69	
			For >50 To 100, Deduct	-14.42	
			For >100, Deduct	-21.02	
08 14 23 16-0036	EA		4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	288.25	26.53
			For 5 Ply Construction, Add	8.23	
			For Stave Lumber Core (SLC), Add	176.40	
			For Structural Composite Lumber Core (SCLC), Add	105.84	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.22	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	127.01	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	176.40	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	282.24	
			For >50 To 100, Deduct	-15.74	
			For >100, Deduct	-22.95	
08 14 23 16-0037	EA		2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door .....	216.37	21.61
			For 5 Ply Construction, Add	6.06	
			For Stave Lumber Core (SLC), Add	129.86	
			For Structural Composite Lumber Core (SCLC), Add	77.91	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.78	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	93.50	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	129.86	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	207.77	
			For >50 To 100, Deduct	-11.90	
			For >100, Deduct	-17.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0038 EA 2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	216.36	21.61
<i>For 5 Ply Construction, Add</i>	6.06	
<i>For Stave Lumber Core (SLC), Add</i>	129.85	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	77.91	
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	20.78	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	93.49	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	129.85	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	207.76	
<i>For &gt;50 To 100, Deduct</i>	-11.90	
<i>For &gt;100, Deduct</i>	-17.31	
08 14 23 16-0039 EA 2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	223.74	22.60
<i>For 5 Ply Construction, Add</i>	6.25	
<i>For Stave Lumber Core (SLC), Add</i>	133.91	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	80.35	
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	21.43	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	96.42	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	133.91	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	214.26	
<i>For &gt;50 To 100, Deduct</i>	-12.32	
<i>For &gt;100, Deduct</i>	-17.91	
08 14 23 16-0040 EA 2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	223.74	22.60
<i>For 5 Ply Construction, Add</i>	6.25	
<i>For Stave Lumber Core (SLC), Add</i>	133.91	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	80.35	
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	21.43	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	96.42	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	133.91	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	214.26	
<i>For &gt;50 To 100, Deduct</i>	-12.32	
<i>For &gt;100, Deduct</i>	-17.91	
08 14 23 16-0041 EA 2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	234.46	22.60
<i>For 5 Ply Construction, Add</i>	6.62	
<i>For Stave Lumber Core (SLC), Add</i>	141.95	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	85.17	
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	22.71	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	102.21	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	141.95	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	227.12	
<i>For &gt;50 To 100, Deduct</i>	-12.85	
<i>For &gt;100, Deduct</i>	-18.71	
08 14 23 16-0042 EA 3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	247.15	23.58
<i>For 5 Ply Construction, Add</i>	7.00	
<i>For Stave Lumber Core (SLC), Add</i>	149.99	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	90.00	
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	24.00	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	107.99	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	149.99	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	239.99	
<i>For &gt;50 To 100, Deduct</i>	-13.54	
<i>For &gt;100, Deduct</i>	-19.72	
08 14 23 16-0043 EA 3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	258.11	23.58
<i>For 5 Ply Construction, Add</i>	7.38	
<i>For Stave Lumber Core (SLC), Add</i>	158.21	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	94.93	
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	25.31	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	113.91	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	158.21	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	253.14	
<i>For &gt;50 To 100, Deduct</i>	-14.08	
<i>For &gt;100, Deduct</i>	-20.54	
08 14 23 16-0044 EA 3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	265.54	24.56
<i>For 5 Ply Construction, Add</i>	7.57	
<i>For Stave Lumber Core (SLC), Add</i>	162.32	
<i>For Structural Composite Lumber Core (SCLC), Add</i>	97.39	
<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	25.97	
<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	116.87	
<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	162.32	
<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	259.70	
<i>For &gt;50 To 100, Deduct</i>	-14.51	
<i>For &gt;100, Deduct</i>	-21.14	

<b>08</b>	<b>Openings</b>
<b>08 10</b>	<b>Doors And Frames</b>
<b>08 14</b>	<b>Wood Doors</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0045	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	276.36	24.56
			For 5 Ply Construction, Add	7.95	
			For Stave Lumber Core (SLC), Add	170.43	
			For Structural Composite Lumber Core (SCLC), Add	102.26	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	27.27	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	122.71	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	170.43	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	272.69	
			For >50 To 100, Deduct	-15.05	
			For >100, Deduct	-21.96	
08 14 23 16-0046	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	301.93	26.53
			For 5 Ply Construction, Add	8.71	
			For Stave Lumber Core (SLC), Add	186.66	
			For Structural Composite Lumber Core (SCLC), Add	112.00	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.87	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	134.40	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	186.66	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	298.66	
			For >50 To 100, Deduct	-16.42	
			For >100, Deduct	-23.97	
08 14 23 16-0047	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	250.13	21.61
			For 5 Ply Construction, Add	7.24	
			For Stave Lumber Core (SLC), Add	155.18	
			For Structural Composite Lumber Core (SCLC), Add	93.11	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.83	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	111.73	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	155.18	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	248.28	
			For >50 To 100, Deduct	-13.59	
			For >100, Deduct	-19.84	
08 14 23 16-0048	EA		2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	250.12	21.61
			For 5 Ply Construction, Add	7.24	
			For Stave Lumber Core (SLC), Add	155.17	
			For Structural Composite Lumber Core (SCLC), Add	93.10	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.83	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	111.72	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	155.17	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	248.27	
			For >50 To 100, Deduct	-13.59	
			For >100, Deduct	-19.84	
08 14 23 16-0049	EA		2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	258.55	22.60
			For 5 Ply Construction, Add	7.47	
			For Stave Lumber Core (SLC), Add	160.02	
			For Structural Composite Lumber Core (SCLC), Add	96.01	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.60	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	115.21	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	160.02	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	256.03	
			For >50 To 100, Deduct	-14.06	
			For >100, Deduct	-20.52	
08 14 23 16-0050	EA		2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	258.55	22.60
			For 5 Ply Construction, Add	7.47	
			For Stave Lumber Core (SLC), Add	160.02	
			For Structural Composite Lumber Core (SCLC), Add	96.01	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.60	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	115.21	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	160.02	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	256.03	
			For >50 To 100, Deduct	-14.06	
			For >100, Deduct	-20.52	
08 14 23 16-0051	EA		2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	271.36	22.60
			For 5 Ply Construction, Add	7.92	
			For Stave Lumber Core (SLC), Add	169.63	
			For Structural Composite Lumber Core (SCLC), Add	101.78	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	27.14	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	122.13	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	169.63	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	271.40	
			For >50 To 100, Deduct	-14.70	
			For >100, Deduct	-21.48	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Doors And Frames</b>	<b>08 10</b>	
<b>Wood Doors</b>	<b>08 14</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0052	EA		3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	286.15	23.58
			<i>For 5 Ply Construction, Add</i>	8.36	
			<i>For Stave Lumber Core (SLC), Add</i>	179.24	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	107.55	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	28.68	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	129.05	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	179.24	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	286.79	
			<i>For &gt;50 To 100, Deduct</i>	-15.49	
			<i>For &gt;100, Deduct</i>	-22.64	
08 14 23 16-0053	EA		3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	299.24	23.58
			<i>For 5 Ply Construction, Add</i>	8.82	
			<i>For Stave Lumber Core (SLC), Add</i>	189.06	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	113.44	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	30.25	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	136.12	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	189.06	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	302.50	
			<i>For &gt;50 To 100, Deduct</i>	-16.14	
			<i>For &gt;100, Deduct</i>	-23.62	
08 14 23 16-0054	EA		3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	307.74	24.56
			<i>For 5 Ply Construction, Add</i>	9.05	
			<i>For Stave Lumber Core (SLC), Add</i>	193.97	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	116.38	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	31.03	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	139.65	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	193.97	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	310.34	
			<i>For &gt;50 To 100, Deduct</i>	-16.62	
			<i>For &gt;100, Deduct</i>	-24.31	
08 14 23 16-0055	EA		3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	320.67	24.56
			<i>For 5 Ply Construction, Add</i>	9.50	
			<i>For Stave Lumber Core (SLC), Add</i>	203.66	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	122.20	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	32.59	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	146.64	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	203.66	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	325.86	
			<i>For &gt;50 To 100, Deduct</i>	-17.26	
			<i>For &gt;100, Deduct</i>	-25.28	
08 14 23 16-0056	EA		4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	350.46	26.53
			<i>For 5 Ply Construction, Add</i>	10.41	
			<i>For Stave Lumber Core (SLC), Add</i>	223.06	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	133.83	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	35.69	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	160.60	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	223.06	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	356.89	
			<i>For &gt;50 To 100, Deduct</i>	-18.85	
			<i>For &gt;100, Deduct</i>	-27.61	

**08 14 23 19 Molded-Hardboard-Faced Wood Doors** (08 14 23)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0001			<b>1-3/8" Thick, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors</b> (08 14 23 19)		
08 14 23 19-0002	EA		2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	134.23	21.61
			<i>For &gt;50 To 100, Deduct</i>	-7.79	
			<i>For &gt;100, Deduct</i>	-11.15	
08 14 23 19-0003	EA		2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	134.23	21.61
			<i>For &gt;50 To 100, Deduct</i>	-7.79	
			<i>For &gt;100, Deduct</i>	-11.15	
08 14 23 19-0004	EA		2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	142.83	22.60
			<i>For &gt;50 To 100, Deduct</i>	-8.27	
			<i>For &gt;100, Deduct</i>	-11.84	
08 14 23 19-0005	EA		2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	145.99	22.60
			<i>For &gt;50 To 100, Deduct</i>	-8.43	
			<i>For &gt;100, Deduct</i>	-12.08	
08 14 23 19-0006	EA		2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	149.13	22.60
			<i>For &gt;50 To 100, Deduct</i>	-8.59	
			<i>For &gt;100, Deduct</i>	-12.31	
08 14 23 19-0007	EA		3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	154.26	23.58
			<i>For &gt;50 To 100, Deduct</i>	-8.89	
			<i>For &gt;100, Deduct</i>	-12.75	
08 14 23 19-0008	EA		3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	166.01	23.58
			<i>For &gt;50 To 100, Deduct</i>	-9.48	
			<i>For &gt;100, Deduct</i>	-13.63	
08 14 23 19-0009	EA		3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	175.59	24.56
			<i>For &gt;50 To 100, Deduct</i>	-10.01	
			<i>For &gt;100, Deduct</i>	-14.40	

<b>08</b>	<b>Openings</b>
<b>08 10</b>	<b>Doors And Frames</b>
<b>08 14</b>	<b>Wood Doors</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0010	EA		2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	139.52	21.61
			<i>For &gt;50 To 100, Deduct</i>	-8.06	
			<i>For &gt;100, Deduct</i>	-11.54	
08 14 23 19-0011	EA		2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	139.52	21.61
			<i>For &gt;50 To 100, Deduct</i>	-8.06	
			<i>For &gt;100, Deduct</i>	-11.54	
08 14 23 19-0012	EA		2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	148.51	22.60
			<i>For &gt;50 To 100, Deduct</i>	-8.56	
			<i>For &gt;100, Deduct</i>	-12.27	
08 14 23 19-0013	EA		2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	151.85	22.60
			<i>For &gt;50 To 100, Deduct</i>	-8.72	
			<i>For &gt;100, Deduct</i>	-12.52	
08 14 23 19-0014	EA		2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	155.18	22.60
			<i>For &gt;50 To 100, Deduct</i>	-8.89	
			<i>For &gt;100, Deduct</i>	-12.77	
08 14 23 19-0015	EA		3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	160.48	23.58
			<i>For &gt;50 To 100, Deduct</i>	-9.20	
			<i>For &gt;100, Deduct</i>	-13.22	
08 14 23 19-0016	EA		3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	172.92	23.58
			<i>For &gt;50 To 100, Deduct</i>	-9.83	
			<i>For &gt;100, Deduct</i>	-14.15	
08 14 23 19-0017	EA		3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	182.94	24.56
			<i>For &gt;50 To 100, Deduct</i>	-10.38	
			<i>For &gt;100, Deduct</i>	-14.95	
08 14 23 19-0018	EA		2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	158.31	21.61
			<i>For &gt;50 To 100, Deduct</i>	-9.00	
			<i>For &gt;100, Deduct</i>	-12.95	
08 14 23 19-0019	EA		2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	158.31	21.61
			<i>For &gt;50 To 100, Deduct</i>	-9.00	
			<i>For &gt;100, Deduct</i>	-12.95	
08 14 23 19-0020	EA		2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	168.67	22.60
			<i>For &gt;50 To 100, Deduct</i>	-9.56	
			<i>For &gt;100, Deduct</i>	-13.78	
08 14 23 19-0021	EA		2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	172.64	22.60
			<i>For &gt;50 To 100, Deduct</i>	-9.76	
			<i>For &gt;100, Deduct</i>	-14.08	
08 14 23 19-0022	EA		2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	176.64	22.60
			<i>For &gt;50 To 100, Deduct</i>	-9.96	
			<i>For &gt;100, Deduct</i>	-14.38	
08 14 23 19-0023	EA		3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	182.57	23.58
			<i>For &gt;50 To 100, Deduct</i>	-10.31	
			<i>For &gt;100, Deduct</i>	-14.87	
08 14 23 19-0024	EA		3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	197.44	23.58
			<i>For &gt;50 To 100, Deduct</i>	-11.05	
			<i>For &gt;100, Deduct</i>	-15.99	
08 14 23 19-0025	EA		3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	209.03	24.56
			<i>For &gt;50 To 100, Deduct</i>	-11.68	
			<i>For &gt;100, Deduct</i>	-16.91	
08 14 23 19-0026			<b>1-3/4" Thick, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF)</b>		
			<b>Faced Wood Doors</b> <small>(08 14 23 19)</small>		
08 14 23 19-0027	EA		2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	156.62	21.61
			<i>For &gt;50 To 100, Deduct</i>	-8.91	
			<i>For &gt;100, Deduct</i>	-12.83	
08 14 23 19-0028	EA		2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	156.62	21.61
			<i>For &gt;50 To 100, Deduct</i>	-8.91	
			<i>For &gt;100, Deduct</i>	-12.83	
08 14 23 19-0029	EA		2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	161.72	22.60
			<i>For &gt;50 To 100, Deduct</i>	-9.22	
			<i>For &gt;100, Deduct</i>	-13.26	
08 14 23 19-0030	EA		2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	168.04	22.60
			<i>For &gt;50 To 100, Deduct</i>	-9.53	
			<i>For &gt;100, Deduct</i>	-13.73	
08 14 23 19-0031	EA		2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	171.20	22.60
			<i>For &gt;50 To 100, Deduct</i>	-9.69	
			<i>For &gt;100, Deduct</i>	-13.97	
08 14 23 19-0032	EA		3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	176.28	23.58
			<i>For &gt;50 To 100, Deduct</i>	-9.99	
			<i>For &gt;100, Deduct</i>	-14.40	
08 14 23 19-0033	EA		3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	183.48	23.58
			<i>For &gt;50 To 100, Deduct</i>	-10.35	
			<i>For &gt;100, Deduct</i>	-14.94	
08 14 23 19-0034	EA		3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	208.86	24.56
			<i>For &gt;50 To 100, Deduct</i>	-11.67	
			<i>For &gt;100, Deduct</i>	-16.89	
08 14 23 19-0035	EA		3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	216.84	24.56
			<i>For &gt;50 To 100, Deduct</i>	-12.07	
			<i>For &gt;100, Deduct</i>	-17.49	
08 14 23 19-0036	EA		4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	232.84	24.56
			<i>For &gt;50 To 100, Deduct</i>	-12.87	
			<i>For &gt;100, Deduct</i>	-18.69	



<b>Openings</b>	<b>08</b>
<b>Doors And Frames</b>	<b>08 10</b>
<b>Wood Doors</b>	<b>08 14</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0037	EA		2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	163.21 -9.24 -13.32	21.61
08 14 23 19-0038	EA		2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	163.21 -9.24 -13.32	21.61
08 14 23 19-0039	EA		2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	168.50 -9.55 -13.77	22.60
08 14 23 19-0040	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	175.19 -9.89 -14.27	22.60
08 14 23 19-0041	EA		2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	178.52 -10.06 -14.52	22.60
08 14 23 19-0042	EA		3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	183.80 -10.37 -14.96	23.58
08 14 23 19-0043	EA		3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	191.42 -10.75 -15.54	23.58
08 14 23 19-0044	EA		3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	218.17 -12.14 -17.59	24.56
08 14 23 19-0045	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	226.62 -12.56 -18.22	24.56
08 14 23 19-0046	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	243.52 -13.40 -19.49	24.56
08 14 23 19-0047	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	186.61 -10.41 -15.08	21.61
08 14 23 19-0048	EA		2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	186.61 -10.41 -15.08	21.61
08 14 23 19-0049	EA		2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	192.56 -10.76 -15.57	22.60
08 14 23 19-0050	EA		2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	200.54 -11.16 -16.17	22.60
08 14 23 19-0051	EA		2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	204.51 -11.36 -16.47	22.60
08 14 23 19-0052	EA		3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	210.45 -11.70 -16.96	23.58
08 14 23 19-0053	EA		3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	219.54 -12.16 -17.64	23.58
08 14 23 19-0054	EA		3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	251.14 -13.79 -20.06	24.56
08 14 23 19-0055	EA		3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	261.23 -14.29 -20.82	24.56
08 14 23 19-0056	EA		4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	281.44 -15.30 -22.34	24.56
08 14 23 19-0057			<b>1-3/8" Thick, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors</b> <small>(08 14 23 19)</small> Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 23 19-0058	EA		2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	170.12 15.23 -9.59 -13.84	21.61
08 14 23 19-0059	EA		2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	170.12 15.23 -9.59 -13.84	21.61
08 14 23 19-0060	EA		2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	179.45 16.11 -10.10 -14.59	22.60



<b>08</b>	<b>Openings</b>
<b>08 10</b>	<b>Doors And Frames</b>
<b>08 14</b>	<b>Wood Doors</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0061	EA		2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	186.80 16.99 -10.47 -15.14	22.60
08 14 23 19-0062	EA		2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	188.15 17.16 -10.54 -15.24	22.60
08 14 23 19-0063	EA		3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	191.49 17.32 -10.75 -15.54	23.58
08 14 23 19-0064	EA		3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	207.41 19.23 -11.55 -16.73	23.58
08 14 23 19-0065	EA		3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	238.40 22.71 -13.15 -19.11	24.56
08 14 23 19-0066	EA		2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	177.52 16.11 -9.96 -14.39	21.61
08 14 23 19-0067	EA		2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	177.52 16.11 -9.96 -14.39	21.61
08 14 23 19-0068	EA		2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	187.27 17.05 -10.49 -15.18	22.60
08 14 23 19-0069	EA		2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	195.03 17.98 -10.88 -15.76	22.60
08 14 23 19-0070	EA		2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	196.48 18.15 -10.95 -15.87	22.60
08 14 23 19-0071	EA		3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	199.89 18.33 -11.17 -16.17	23.58
08 14 23 19-0072	EA		3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	216.75 20.35 -12.02 -17.44	23.58
08 14 23 19-0073	EA		3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	249.42 24.04 -13.70 -19.93	24.56
08 14 23 19-0074	EA		2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	203.70 19.26 -11.27 -16.36	21.61
08 14 23 19-0075	EA		2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	203.70 19.26 -11.27 -16.36	21.61
08 14 23 19-0076	EA		2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	214.97 20.37 -11.88 -17.25	22.60
08 14 23 19-0077	EA		2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	224.26 21.49 -12.34 -17.95	22.60



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 14 23 19-0078	EA		2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	225.97	22.60
				<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	21.69	
				<i>For &gt;50 To 100, Deduct</i>	-12.43	
				<i>For &gt;100, Deduct</i>	-18.08	
	08 14 23 19-0079	EA		3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	229.68	23.58
				<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	21.90	
				<i>For &gt;50 To 100, Deduct</i>	-12.66	
				<i>For &gt;100, Deduct</i>	-18.41	
	08 14 23 19-0080	EA		3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	249.82	23.58
				<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	24.32	
				<i>For &gt;50 To 100, Deduct</i>	-13.67	
				<i>For &gt;100, Deduct</i>	-19.92	
	08 14 23 19-0081	EA		3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	288.49	24.56
				<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	28.72	
				<i>For &gt;50 To 100, Deduct</i>	-15.65	
				<i>For &gt;100, Deduct</i>	-22.86	
	<b>08 14 23 19-0082</b>			<b>1-3/4" Thick, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors</b> <small>(08 14 23 19)</small>		
				<small>Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.</small>		
	08 14 23 19-0083	EA		2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	202.67	21.61
				<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	19.13	
				<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	86.10	
				<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	119.58	
				<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	191.33	
				<i>For &gt;50 To 100, Deduct</i>	-11.21	
				<i>For &gt;100, Deduct</i>	-16.28	
	08 14 23 19-0084	EA		2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	202.67	21.61
				<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	19.13	
				<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	86.10	
				<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	119.58	
				<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	191.33	
				<i>For &gt;50 To 100, Deduct</i>	-11.21	
				<i>For &gt;100, Deduct</i>	-16.28	
	08 14 23 19-0085	EA		2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	213.87	22.60
				<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	20.24	
				<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	91.09	
				<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	126.51	
				<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	202.42	
				<i>For &gt;50 To 100, Deduct</i>	-11.82	
				<i>For &gt;100, Deduct</i>	-17.17	
	08 14 23 19-0086	EA		2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	223.08	22.60
				<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	21.35	
				<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	96.06	
				<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	133.42	
				<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	213.47	
				<i>For &gt;50 To 100, Deduct</i>	-12.28	
				<i>For &gt;100, Deduct</i>	-17.86	
	08 14 23 19-0087	EA		2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	224.79	22.60
				<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	21.55	
				<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	96.98	
				<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	134.70	
				<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	215.52	
				<i>For &gt;50 To 100, Deduct</i>	-12.37	
				<i>For &gt;100, Deduct</i>	-17.99	
	08 14 23 19-0088	EA		3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	228.50	23.58
				<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	21.76	
				<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	97.92	
				<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	136.01	
				<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	217.61	
				<i>For &gt;50 To 100, Deduct</i>	-12.60	
				<i>For &gt;100, Deduct</i>	-18.32	
	08 14 23 19-0089	EA		3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	248.49	23.58
				<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	24.16	
				<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	108.72	
				<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	151.00	
				<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	241.60	
				<i>For &gt;50 To 100, Deduct</i>	-13.60	
				<i>For &gt;100, Deduct</i>	-19.82	

<b>08</b>	<b>Openings</b>
<b>08 10</b>	<b>Doors And Frames</b>
<b>08 14</b>	<b>Wood Doors</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0090	EA		3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....286.95	286.95	24.56
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	28.54	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	128.43	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	178.37	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	285.40	
			<i>For &gt;50 To 100, Deduct</i>	-15.58	
			<i>For &gt;100, Deduct</i>	-22.75	
08 14 23 19-0091	EA		3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....298.86	298.86	24.56
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	29.97	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	134.86	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	187.31	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	299.69	
			<i>For &gt;50 To 100, Deduct</i>	-16.17	
			<i>For &gt;100, Deduct</i>	-23.64	
08 14 23 19-0092	EA		4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....322.62	322.62	24.56
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	32.82	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	147.69	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	205.13	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	328.20	
			<i>For &gt;50 To 100, Deduct</i>	-17.36	
			<i>For &gt;100, Deduct</i>	-25.42	
08 14 23 19-0093	EA		2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....211.96	211.96	21.61
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	20.25	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	91.11	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	126.55	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	202.48	
			<i>For &gt;50 To 100, Deduct</i>	-11.68	
			<i>For &gt;100, Deduct</i>	-16.98	
08 14 23 19-0094	EA		2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....211.96	211.96	21.61
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	20.25	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	91.11	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	126.55	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	202.48	
			<i>For &gt;50 To 100, Deduct</i>	-11.68	
			<i>For &gt;100, Deduct</i>	-16.98	
08 14 23 19-0095	EA		2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....223.69	223.69	22.60
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	21.42	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	96.39	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	133.88	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	214.20	
			<i>For &gt;50 To 100, Deduct</i>	-12.31	
			<i>For &gt;100, Deduct</i>	-17.91	
08 14 23 19-0096	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....233.44	233.44	22.60
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	22.59	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	101.66	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	141.19	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	225.90	
			<i>For &gt;50 To 100, Deduct</i>	-12.80	
			<i>For &gt;100, Deduct</i>	-18.64	
08 14 23 19-0097	EA		2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....235.25	235.25	22.60
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	22.81	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	102.63	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	142.55	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	228.07	
			<i>For &gt;50 To 100, Deduct</i>	-12.89	
			<i>For &gt;100, Deduct</i>	-18.77	
08 14 23 19-0098	EA		3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....239.06	239.06	23.58
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	23.03	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	103.63	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	143.93	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	230.28	
			<i>For &gt;50 To 100, Deduct</i>	-13.13	
			<i>For &gt;100, Deduct</i>	-19.11	
08 14 23 19-0099	EA		3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door .....260.20	260.20	23.58
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	25.56	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	115.04	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	159.78	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	255.65	
			<i>For &gt;50 To 100, Deduct</i>	-14.19	
			<i>For &gt;100, Deduct</i>	-20.69	



<b>Openings</b>	<b>08</b>
<b>Doors And Frames</b>	<b>08 10</b>
<b>Wood Doors</b>	<b>08 14</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0100	EA		3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	300.79	24.56
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	30.20	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	135.90	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	188.75	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	302.00	
			<i>For &gt;50 To 100, Deduct</i>	-16.27	
			<i>For &gt;100, Deduct</i>	-23.79	
08 14 23 19-0101	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	313.38	24.56
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	31.71	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	142.70	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	198.20	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	317.11	
			<i>For &gt;50 To 100, Deduct</i>	-16.90	
			<i>For &gt;100, Deduct</i>	-24.73	
08 14 23 19-0102	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	338.54	24.56
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	34.73	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	156.29	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	217.07	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	347.30	
			<i>For &gt;50 To 100, Deduct</i>	-18.16	
			<i>For &gt;100, Deduct</i>	-26.62	
08 14 23 19-0103	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	244.86	21.61
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	24.20	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	108.88	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	151.22	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	241.96	
			<i>For &gt;50 To 100, Deduct</i>	-13.32	
			<i>For &gt;100, Deduct</i>	-19.45	
08 14 23 19-0104	EA		2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	244.86	21.61
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	24.20	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	108.88	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	151.22	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	241.96	
			<i>For &gt;50 To 100, Deduct</i>	-13.32	
			<i>For &gt;100, Deduct</i>	-19.45	
08 14 23 19-0105	EA		2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	258.50	22.60
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	25.60	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	115.19	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	159.98	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	255.97	
			<i>For &gt;50 To 100, Deduct</i>	-14.05	
			<i>For &gt;100, Deduct</i>	-20.52	
08 14 23 19-0106	EA		2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	270.16	22.60
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	27.00	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	121.48	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	168.73	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	269.96	
			<i>For &gt;50 To 100, Deduct</i>	-14.64	
			<i>For &gt;100, Deduct</i>	-21.39	
08 14 23 19-0107	EA		2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	272.32	22.60
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	27.26	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	122.65	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	170.35	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	272.56	
			<i>For &gt;50 To 100, Deduct</i>	-14.75	
			<i>For &gt;100, Deduct</i>	-21.55	
08 14 23 19-0108	EA		3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	276.49	23.58
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	27.52	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	123.84	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	172.00	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	275.20	
			<i>For &gt;50 To 100, Deduct</i>	-15.00	
			<i>For &gt;100, Deduct</i>	-21.92	
08 14 23 19-0109	EA		3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	301.75	23.58
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	30.55	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	137.48	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	190.94	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	305.51	
			<i>For &gt;50 To 100, Deduct</i>	-16.27	
			<i>For &gt;100, Deduct</i>	-23.81	

<b>08</b>	<b>Openings</b>
<b>08 10</b>	<b>Doors And Frames</b>
<b>08 14</b>	<b>Wood Doors</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0110	EA		3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	349.86	24.56
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	36.09	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	162.40	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	225.56	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	360.89	
			<i>For &gt;50 To 100, Deduct</i>	-18.72	
			<i>For &gt;100, Deduct</i>	-27.47	
08 14 23 19-0111	EA		3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	364.92	24.56
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	37.90	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	170.53	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	236.85	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	378.96	
			<i>For &gt;50 To 100, Deduct</i>	-19.47	
			<i>For &gt;100, Deduct</i>	-28.60	
08 14 23 19-0112	EA		4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	394.98	24.56
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	41.50	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	186.76	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	259.40	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	415.03	
			<i>For &gt;50 To 100, Deduct</i>	-20.98	
			<i>For &gt;100, Deduct</i>	-30.85	
<b>08 14 66</b>			<b>Wood Screen Doors</b> (08 14)		
08 14 66 00-0001			Wood Screen Storm Door, Residential Grade (08 14 66) Note: Includes frame, trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).		
08 14 66 00-0002	EA		2'-8" x 6'-8" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware.....	320.61	56.59
08 14 66 00-0003	EA		3' x 6'-8" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware.....	329.34	62.87
08 14 66 00-0004	EA		2'-8" x 7" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware.....	320.61	56.59
08 14 66 00-0005	EA		3' x 7' x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware.....	329.34	62.87
<b>08 14 73</b>			<b>Sliding Wood Doors</b> (08 14)		
08 14 73 00-0001			Sliding Pocket Door (08 14 73) Note: Includes unfinished door, frame and trim, and all mounting and door hardware. See CSI section 08 14 73 00-0055 for accessories to be added.		
08 14 73 00-0002			Birch Faced Pocket Door (08 14 73 00-0001) Note: Includes door, frame and trim, and all mounting and door hardware.		
08 14 73 00-0003			1-3/8" Thick, Birch Faced Wood Pocket Door (08 14 73 00-0002) See CSI section 08 14 73 00-0055 for all jams and track hardware.		
08 14 73 00-0004			6'-8" High, 1-3/8" Thick, Birch Faced Wood Pocket Door (08 14 73 00-0003)		
08 14 73 00-0005	EA		2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	431.68	13.76
			<i>For Oak, Add</i>	111.55	
			<i>For Ash/Hickory, Add</i>	162.48	
			<i>For Walnut, Add</i>	236.85	
			<i>For Cherry, Add</i>	385.18	
08 14 73 00-0006	EA		2'-4" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	443.45	14.74
			<i>For Oak, Add</i>	114.26	
			<i>For Ash/Hickory, Add</i>	166.42	
			<i>For Walnut, Add</i>	242.59	
			<i>For Cherry, Add</i>	394.52	
08 14 73 00-0007	EA		2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	457.66	15.72
			<i>For Oak, Add</i>	117.64	
			<i>For Ash/Hickory, Add</i>	171.34	
			<i>For Walnut, Add</i>	249.77	
			<i>For Cherry, Add</i>	406.20	
08 14 73 00-0008	EA		2'-8" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	466.97	16.70
			<i>For Oak, Add</i>	119.67	
			<i>For Ash/Hickory, Add</i>	174.30	
			<i>For Walnut, Add</i>	254.08	
			<i>For Cherry, Add</i>	413.20	
08 14 73 00-0009	EA		2'-10" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	481.19	17.68
			<i>For Oak, Add</i>	123.05	
			<i>For Ash/Hickory, Add</i>	179.22	
			<i>For Walnut, Add</i>	261.26	
			<i>For Cherry, Add</i>	424.88	
08 14 73 00-0010	EA		3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	492.96	18.66
			<i>For Oak, Add</i>	125.75	
			<i>For Ash/Hickory, Add</i>	183.16	
			<i>For Walnut, Add</i>	267.00	
			<i>For Cherry, Add</i>	434.22	
08 14 73 00-0011	EA		4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	857.49	24.56
			<i>For Oak, Add</i>	223.11	
			<i>For Ash/Hickory, Add</i>	324.96	
			<i>For Walnut, Add</i>	473.70	
			<i>For Cherry, Add</i>	770.38	



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors And Frames	08 10	
Wood Doors	08 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0012	EA		5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door ..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	905.51 235.28 342.69 499.54 812.39	26.53
08 14 73 00-0013	EA		6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door ..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	968.23 251.51 366.32 533.99 868.42	28.49
<b>08 14 73 00-0014</b>			<b>7' High, 1-3/8" Thick Birch Faced Wood Pocket Door</b> <small>(08 14 73 00-0003)</small>		
08 14 73 00-0015	EA		2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door ..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	517.42 114.64 114.64 188.62 354.21	13.76
08 14 73 00-0016	EA		2'-4" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door ..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	541.44 119.80 119.80 197.11 370.15	14.74
08 14 73 00-0017	EA		2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door ..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	558.09 123.24 123.24 202.76 380.78	15.72
08 14 73 00-0018	EA		2'-8" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door ..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	572.30 126.10 126.10 207.48 389.63	16.70
08 14 73 00-0019	EA		2'-10" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door ..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	584.07 128.40 128.40 211.25 396.72	17.68
08 14 73 00-0020	EA		3'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door ..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	600.74 131.84 131.84 216.91 407.35	18.66
08 14 73 00-0021	EA		4' Wide, Two 2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	1,028.96 229.28 229.28 377.24 708.42	24.56
08 14 73 00-0022	EA		5' Wide, Two 2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	1,106.38 246.48 246.48 405.53 761.56	26.53
08 14 73 00-0023	EA		6' Wide, Two 3' x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door ..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	1,183.80 263.68 263.68 433.83 814.69	28.49
08 14 73 00-0024			<b>1-3/4" Thick, Birch Faced Wood Pocket Door</b> <small>(08 14 73 00-0002)</small> See CSI section 08 14 73 00-0055 for all jamba and track hardware.		
08 14 73 00-0025			<b>6'-8" High, 1-3/4" Thick Birch Faced Wood Pocket Door</b> <small>(08 14 73 00-0024)</small>		
08 14 73 00-0026	EA		2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door ..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	664.40 149.03 149.03 245.21 460.48	13.76
08 14 73 00-0027	EA		2'-4" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door ..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	695.76 155.91 155.91 256.52 481.73	14.74
08 14 73 00-0028	EA		2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door ..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	712.42 159.35 159.35 262.18 492.36	15.72
08 14 73 00-0029	EA		2'-8" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door ..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	731.53 163.36 163.36 268.78 504.76	16.70

<b>08</b>	<b>Openings</b>
<b>08 10</b>	<b>Doors And Frames</b>
<b>08 14</b>	<b>Wood Doors</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0030	EA		2'-10" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	748.19	17.68
			<i>For Oak, Add</i>	166.80	
			<i>For Ash/Hickory, Add</i>	166.80	
			<i>For Walnut, Add</i>	274.44	
			<i>For Cherry, Add</i>	515.38	
08 14 73 00-0031	EA		3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	764.86	18.66
			<i>For Oak, Add</i>	170.24	
			<i>For Ash/Hickory, Add</i>	170.24	
			<i>For Walnut, Add</i>	280.10	
			<i>For Cherry, Add</i>	526.00	
08 14 73 00-0032	EA		4' Wide, Two 2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,322.91	24.56
			<i>For Oak, Add</i>	298.07	
			<i>For Ash/Hickory, Add</i>	298.07	
			<i>For Walnut, Add</i>	490.41	
			<i>For Cherry, Add</i>	920.95	
08 14 73 00-0033	EA		5' Wide, Two 2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,415.03	26.53
			<i>For Oak, Add</i>	318.70	
			<i>For Ash/Hickory, Add</i>	318.70	
			<i>For Walnut, Add</i>	524.36	
			<i>For Cherry, Add</i>	984.71	
08 14 73 00-0034	EA		6' Wide, Two 3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,512.04	28.49
			<i>For Oak, Add</i>	340.48	
			<i>For Ash/Hickory, Add</i>	340.48	
			<i>For Walnut, Add</i>	560.20	
			<i>For Cherry, Add</i>	1,052.01	
<b>08 14 73 00-0035</b>			<b>7' High, 1-3/4" Thick Birch Faced Wood Pocket Door</b> <small>(08 14 73 00-0024)</small>		
08 14 73 00-0036	EA		2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	713.39	13.76
			<i>For Oak, Add</i>	160.50	
			<i>For Ash/Hickory, Add</i>	160.50	
			<i>For Walnut, Add</i>	264.07	
			<i>For Cherry, Add</i>	495.90	
08 14 73 00-0037	EA		2'-4" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	749.65	14.74
			<i>For Oak, Add</i>	168.52	
			<i>For Ash/Hickory, Add</i>	168.52	
			<i>For Walnut, Add</i>	277.27	
			<i>For Cherry, Add</i>	520.69	
08 14 73 00-0038	EA		2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	768.76	15.72
			<i>For Oak, Add</i>	172.54	
			<i>For Ash/Hickory, Add</i>	172.54	
			<i>For Walnut, Add</i>	283.87	
			<i>For Cherry, Add</i>	533.09	
08 14 73 00-0039	EA		2'-8" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	787.87	16.70
			<i>For Oak, Add</i>	176.55	
			<i>For Ash/Hickory, Add</i>	176.55	
			<i>For Walnut, Add</i>	290.47	
			<i>For Cherry, Add</i>	545.49	
08 14 73 00-0040	EA		2'-10" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	804.53	17.68
			<i>For Oak, Add</i>	179.99	
			<i>For Ash/Hickory, Add</i>	179.99	
			<i>For Walnut, Add</i>	296.13	
			<i>For Cherry, Add</i>	556.11	
08 14 73 00-0041	EA		3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	823.65	18.66
			<i>For Oak, Add</i>	184.00	
			<i>For Ash/Hickory, Add</i>	184.00	
			<i>For Walnut, Add</i>	302.73	
			<i>For Cherry, Add</i>	568.51	
08 14 73 00-0042	EA		4' Wide, Two 2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,420.90	24.56
			<i>For Oak, Add</i>	321.00	
			<i>For Ash/Hickory, Add</i>	321.00	
			<i>For Walnut, Add</i>	528.14	
			<i>For Cherry, Add</i>	991.80	
08 14 73 00-0043	EA		5' Wide, Two 2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,527.71	26.53
			<i>For Oak, Add</i>	345.07	
			<i>For Ash/Hickory, Add</i>	345.07	
			<i>For Walnut, Add</i>	567.74	
			<i>For Cherry, Add</i>	1,066.18	
08 14 73 00-0044	EA		6' Wide, Two 3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	1,629.62	28.49
			<i>For Oak, Add</i>	368.00	
			<i>For Ash/Hickory, Add</i>	368.00	
			<i>For Walnut, Add</i>	605.47	
			<i>For Cherry, Add</i>	1,137.02	
<b>08 14 73 00-0045</b>			<b>8' High, 1-3/4" Thick Birch Faced Wood Pocket Door</b> <small>(08 14 73 00-0024)</small>		
08 14 73 00-0046	EA		2'-0" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced.....	762.38	13.76
			<i>For Oak, Add</i>	171.96	
			<i>For Ash/Hickory, Add</i>	171.96	
			<i>For Walnut, Add</i>	282.93	
			<i>For Cherry, Add</i>	531.32	
08 14 73 00-0047	EA		2'-4" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	798.64	14.74
			<i>For Oak, Add</i>	179.99	
			<i>For Ash/Hickory, Add</i>	179.99	
			<i>For Walnut, Add</i>	296.13	
			<i>For Cherry, Add</i>	556.11	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Doors And Frames</b>	<b>08 10</b>	
<b>Wood Doors</b>	<b>08 14</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0048	EA		2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door ..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	820.20 184.57 184.57 303.68 570.28	15.72
08 14 73 00-0049	EA		2'-8" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door ..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	841.76 189.16 189.16 311.22 584.45	16.70
08 14 73 00-0050	EA		2'-10" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door ..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	858.43 192.60 192.60 316.88 595.08	17.68
08 14 73 00-0051	EA		3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door ..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	879.99 197.18 197.18 324.42 609.24	18.66
08 14 73 00-0052	EA		4' Wide, Two 2'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	1,518.88 343.92 343.92 565.86 1,062.64	24.56
08 14 73 00-0053	EA		5' Wide, Two 2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	1,630.59 369.14 369.14 607.35 1,140.56	26.53
08 14 73 00-0054	EA		6' Wide, Two 3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	1,742.30 394.36 394.36 648.85 1,218.49	28.49
08 14 73 00-0055			<b>Accessories</b> (08 14 73 00-0001)		
08 14 73 00-0056			<b>Jamb Replacement</b> (08 14 73 00-0055)		
08 14 73 00-0057	EA		4-9/16 Or 4-3/4" Birch Jamb Replacement For Pocket Doors ..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	79.16 6.72 10.53 23.03 36.48	
08 14 73 00-0058	EA		5-1/4" Birch Jamb Replacement For Pocket Doors..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	81.08 6.94 10.87 23.77 37.66	
08 14 73 00-0059	EA		6-9/16" Or 6-3/4" Birch Jamb Replacement For Pocket Doors ..... <i>For Oak, Add</i> <i>For Ash/Hickory, Add</i> <i>For Walnut, Add</i> <i>For Cherry, Add</i>	93.56 8.35 13.08 28.60 45.31	
08 14 73 00-0060			<b>Track And Hardware Replacement Kits</b> (08 14 73 00-0055) Note: For double doors, use 2 appropriate sized hardware and 1 converging kit.		
08 14 73 00-0061	EA		Up To 2'-6" x 6'-8" Door Track And Hardware Replacement For Pocket Door .....	240.32	
08 14 73 00-0062	EA		2'-8" x 6'-8" Door Track And Hardware Replacement For Pocket Door .....	242.95	
08 14 73 00-0063	EA		3'-0" x 6'-8" Door Track And Hardware Replacement For Pocket Door .....	248.22	
08 14 73 00-0064	EA		Up To 2'-6" x 7' Door Track And Hardware Replacement For Pocket Door .....	298.30	
08 14 73 00-0065	EA		2'-8" x 7' Door Track And Hardware Replacement For Pocket Door.....	300.94	
08 14 73 00-0066	EA		3'-0" x 7' Door Track And Hardware Replacement For Pocket Door.....	306.21	
08 14 73 00-0067	EA		Up To 2'-6" x 8' Door Track And Hardware .....	324.66	
08 14 73 00-0068	EA		2'-8" x 8' Door Track And Hardware Replacement For Pocket Door.....	327.29	
08 14 73 00-0069	EA		3'-0" x 8' Door Track And Hardware Replacement For Pocket Door.....	332.56	
08 14 73 00-0070	EA		Double Door Converging Kit For Pocket Door .....	32.25	
08 14 73 00-0071			<b>Bi-Pass Doors</b> (08 14 73) Note: Includes unfinished doors, fascia track, hangers, door guide, door stop, and pulls. 125 LB maximum door weight (each opening).		
08 14 73 00-0072			<b>Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors</b> (08 14 73 00-0071)		
08 14 73 00-0073	EA		4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors.....	211.71	31.41
08 14 73 00-0074	EA		5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors.....	234.25	33.38
08 14 73 00-0075	EA		6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors.....	257.09	35.34
08 14 73 00-0076	EA		8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors.....	369.44	37.31
08 14 73 00-0077			<b>Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors</b> (08 14 73 00-0071)		
08 14 73 00-0078	EA		4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors.....	194.46	31.41
08 14 73 00-0079	EA		5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors.....	207.36	33.38



**08 Openings**  
**08 10 Doors And Frames**  
**08 14 Wood Doors**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0080	EA		6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Pass Doors.....	227.49	35.34
08 14 73 00-0081	EA		8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Luan Faced Wood Bi-Pass Doors.....	334.94	37.31
<b>08 14 73 00-0082</b>			<b>Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors</b> (08 14 73 00-0071)		
08 14 73 00-0083	EA		4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors.....	212.19	31.41
08 14 73 00-0084	EA		5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors.....	233.05	33.38
08 14 73 00-0085	EA		6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors.....	255.10	35.34
08 14 73 00-0086	EA		8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors.....	370.41	37.31
<b>08 14 76 Bifolding Wood Doors</b>			(08 14)		
<b>08 14 76 00-0001</b>			<b>Bi-Fold Wood Doors</b> (08 14 76)		
			Note: Includes doors, track, top and bottom pivots, door guide, track stop, panel hinge, bottom pivot bracket, top pivot lock, and 4-door aligner (when necessary). Excludes door frame and knobs.		
<b>08 14 76 00-0002</b>			<b>Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors</b> (08 14 76 00-0001)		
08 14 76 00-0003	EA		2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	96.54	23.56
08 14 76 00-0004	EA		2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	106.81	25.53
08 14 76 00-0005	EA		2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	114.74	27.48
08 14 76 00-0006	EA		3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	118.67	29.45
08 14 76 00-0007	EA		4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	162.15	31.41
08 14 76 00-0008	EA		5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	167.50	33.38
08 14 76 00-0009	EA		6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	183.79	35.34
<b>08 14 76 00-0010</b>			<b>Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors</b> (08 14 76 00-0001)		
08 14 76 00-0011	EA		2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	301.28	23.56
08 14 76 00-0012	EA		2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	346.26	25.53
08 14 76 00-0013	EA		2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	397.92	27.48
08 14 76 00-0014	EA		3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	401.85	29.45
08 14 76 00-0015	EA		4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	571.14	31.41
08 14 76 00-0016	EA		5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	657.19	33.38
08 14 76 00-0017	EA		6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	756.56	35.34
<b>08 14 76 00-0018</b>			<b>Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors</b> (08 14 76 00-0001)		
08 14 76 00-0019	EA		2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	395.62	23.56
08 14 76 00-0020	EA		2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	429.50	25.53
08 14 76 00-0021	EA		2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	470.06	27.48
08 14 76 00-0022	EA		3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	473.99	29.45
08 14 76 00-0023	EA		4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	759.81	31.41
08 14 76 00-0024	EA		5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	823.67	33.38
08 14 76 00-0025	EA		6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	900.84	35.34
<b>08 15 Plastic Doors</b>			(08 10)		
			Note: Includes machining for all hardware, except mortised locks. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.		
<b>08 15 13 Laminated Plastic Doors</b>			(08 15)		
			See CSI section 08 70 00 00-0000 for finish hardware.		
<b>08 15 13 00-0001</b>			<b>Laminated Plastic Doors</b> (08 15 13)		
			Note: 0.125" acrylic/PVC thermoplastic face sheet over 1-1/2" x 1-1/2" x 16 gauge welded steel tube framework and a core of resin impregnated Kraft honeycomb (Urethane insulation). Panel capping channel to be 304 stainless steel.		
08 15 13 00-0002	EA		Door, Plastic Clad 1-3/8", 1/6 X 6/8.....	193.34	19.65
08 15 13 00-0003	EA		Door, Plastic Clad 1-3/4", 1/6 X 6/8.....	193.34	19.65
08 15 13 00-0004	EA		Door, Plastic Clad 1-3/8", 1/6 X 7/0.....	193.34	19.65
08 15 13 00-0005	EA		Door, Plastic Clad 1-3/4", 1/6 X 7/0.....	193.34	19.65
08 15 13 00-0006	EA		Door, Plastic Clad 1-3/8", 2/0 X 6/8.....	197.28	21.61
08 15 13 00-0007	EA		Door, Plastic Clad 1-3/4", 2/0 X 6/8.....	197.28	21.61
08 15 13 00-0008	EA		Door, Plastic Clad 1-3/8", 2/0 X 7/0.....	197.28	21.61
08 15 13 00-0009	EA		Door, Plastic Clad 1-3/4", 2/0 X 7/0.....	197.28	21.61
08 15 13 00-0010	EA		Door, Plastic Clad 1-3/8", 2/6 X 6/8.....	215.15	22.60
08 15 13 00-0011	EA		Door, Plastic Clad 1-3/4", 2/6 X 6/8.....	215.15	22.60
08 15 13 00-0012	EA		Door, Plastic Clad 1-3/8", 2/6 X 7/0.....	215.15	21.61
08 15 13 00-0013	EA		Door, Plastic Clad 1-3/4", 2/6 X 7/0.....	215.15	22.60
08 15 13 00-0014	EA		Door, Plastic Clad 1-3/8", 3/0 X 6/8.....	233.03	23.58
08 15 13 00-0015	EA		Door, Plastic Clad 1-3/4", 3/0 X 6/8.....	233.03	23.58
08 15 13 00-0016	EA		Door, Plastic Clad 1-3/8", 3/0 X 7/0.....	233.03	23.58
08 15 13 00-0017	EA		Door, Plastic Clad 1-3/4", 3/0 X 7/0.....	233.03	23.58
08 15 13 00-0018	EA		Door, Plastic Clad 1-3/8", 3/6 X 6/8.....	260.11	24.56
08 15 13 00-0019	EA		Door, Plastic Clad 1-3/4", 3/6 X 6/8.....	260.11	24.56
08 15 13 00-0020	EA		Door, Plastic Clad 1-3/8", 3/6 X 7/0.....	260.11	24.56



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors And Frames	08 10	
Plastic Doors	08 15	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 15 13 00-0021 EA Door, Plastic Clad 1-3/4", 3/6 X 7/0 .....	260.11	24.56
08 15 13 00-0022 EA Door, Plastic Clad 1-3/8", 4/0 X 6/8 .....	296.69	26.53
08 15 13 00-0023 EA Door, Plastic Clad 1-3/4", 4/0 X 6/8 .....	296.69	26.53
08 15 13 00-0024 EA Door, Plastic Clad 1-3/8", 4/0 X 7/0 .....	296.69	26.53
08 15 13 00-0025 EA Door, Plastic Clad 1-3/4", 4/0 X 7/0 .....	296.69	26.53

**08 16 Composite Doors** (08 10)

Note: Includes machining for all hardware. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

**08 16 13 Fiberglass Doors** (08 16)

See CSI section 08 70 00 00-0000 for finish hardware.

08 16 13 00-0001	Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Frames And Doors <small>(08 16 13)</small>		
08 16 13 00-0002	Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0001)</small>		
08 16 13 00-0003	Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0002)</small>		
	Note: White, tan, brown or gray finish. Includes factory hardware prep and 25 Mil resin rich gel coat.		
08 16 13 00-0004	Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0003)</small>		
	Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0005	6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0004)</small>		
08 16 13 00-0006	EA 3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) .....	2,225.53	23.58
	For Custom Color Finish, Add	118.56	
	For Stainless Steel Continuous Hinge, Add	263.89	
08 16 13 00-0007	EA 3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,377.11	24.56
	For Custom Color Finish, Add	118.56	
	For Stainless Steel Continuous Hinge, Add	263.89	
08 16 13 00-0008	EA 4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) .....	2,606.74	26.53
	For Custom Color Finish, Add	118.56	
	For Stainless Steel Continuous Hinge, Add	263.89	
08 16 13 00-0009	7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0004)</small>		
08 16 13 00-0010	EA 3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,225.53	23.58
	For Custom Color Finish, Add	118.56	
	For Stainless Steel Continuous Hinge, Add	263.89	
08 16 13 00-0011	EA 3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) .....	2,437.98	24.56
	For Custom Color Finish, Add	118.56	
	For Stainless Steel Continuous Hinge, Add	263.89	
08 16 13 00-0012	EA 4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,671.41	26.53
	For Custom Color Finish, Add	118.56	
	For Stainless Steel Continuous Hinge, Add	263.89	
08 16 13 00-0013	Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0003)</small>		
	Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0014	45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0013)</small>		
08 16 13 00-0015	6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0014)</small>		
08 16 13 00-0016	EA 3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) .....	2,651.57	23.58
	For Custom Color Finish, Add	118.56	
	For Stainless Steel Continuous Hinge, Add	263.89	
08 16 13 00-0017	EA 3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) .....	2,705.52	24.56
	For Custom Color Finish, Add	118.56	
	For Stainless Steel Continuous Hinge, Add	263.89	
08 16 13 00-0018	EA 4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) .....	3,088.57	26.53
	For Custom Color Finish, Add	118.56	
	For Stainless Steel Continuous Hinge, Add	263.89	
08 16 13 00-0019	7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0014)</small>		

<b>08</b>	<b>Openings</b>
<b>08 10</b>	<b>Doors And Frames</b>
<b>08 16</b>	<b>Composite Doors</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-020	EA		3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,651.57	23.58
			<i>For Custom Color Finish, Add</i>	118.56	
			<i>For Stainless Steel Continuous Hinge, Add</i>	263.89	
08 16 13 00-021	EA		3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,903.32	24.56
			<i>For Custom Color Finish, Add</i>	118.56	
			<i>For Stainless Steel Continuous Hinge, Add</i>	263.89	
08 16 13 00-022	EA		4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,162.11	26.53
			<i>For Custom Color Finish, Add</i>	118.56	
			<i>For Stainless Steel Continuous Hinge, Add</i>	263.89	
08 16 13 00-023			60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0013)		
08 16 13 00-024			6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0023)		
08 16 13 00-025	EA		3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,651.57	23.58
			<i>For Custom Color Finish, Add</i>	118.56	
			<i>For Stainless Steel Continuous Hinge, Add</i>	263.89	
08 16 13 00-026	EA		3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,705.52	24.56
			<i>For Custom Color Finish, Add</i>	118.56	
			<i>For Stainless Steel Continuous Hinge, Add</i>	263.89	
08 16 13 00-027	EA		4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,088.57	26.53
			<i>For Custom Color Finish, Add</i>	118.56	
			<i>For Stainless Steel Continuous Hinge, Add</i>	263.89	
08 16 13 00-028			7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0023)		
08 16 13 00-029	EA		3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,651.57	23.58
			<i>For Custom Color Finish, Add</i>	118.56	
			<i>For Stainless Steel Continuous Hinge, Add</i>	263.89	
08 16 13 00-030	EA		3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,903.32	24.56
			<i>For Custom Color Finish, Add</i>	118.56	
			<i>For Stainless Steel Continuous Hinge, Add</i>	263.89	
08 16 13 00-031	EA		4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,162.11	26.53
			<i>For Custom Color Finish, Add</i>	118.56	
			<i>For Stainless Steel Continuous Hinge, Add</i>	263.89	
08 16 13 00-032			90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0013)		
08 16 13 00-033			6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0032)		
08 16 13 00-034	EA		3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,651.57	23.58
			<i>For Custom Color Finish, Add</i>	118.56	
			<i>For Stainless Steel Continuous Hinge, Add</i>	263.89	
08 16 13 00-035	EA		3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,705.52	24.56
			<i>For Custom Color Finish, Add</i>	118.56	
			<i>For Stainless Steel Continuous Hinge, Add</i>	263.89	
08 16 13 00-036	EA		4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,088.57	26.53
			<i>For Custom Color Finish, Add</i>	118.56	
			<i>For Stainless Steel Continuous Hinge, Add</i>	263.89	
08 16 13 00-037			7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) (08 16 13 00-0032)		
08 16 13 00-038	EA		3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,651.57	23.58
			<i>For Custom Color Finish, Add</i>	118.56	
			<i>For Stainless Steel Continuous Hinge, Add</i>	263.89	
08 16 13 00-039	EA		3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	2,903.32	24.56
			<i>For Custom Color Finish, Add</i>	118.56	
			<i>For Stainless Steel Continuous Hinge, Add</i>	263.89	
08 16 13 00-040	EA		4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,162.11	26.53
			<i>For Custom Color Finish, Add</i>	118.56	
			<i>For Stainless Steel Continuous Hinge, Add</i>	263.89	



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors And Frames	08 10	
Composite Doors	08 16	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0041 Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0003)</small> Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0042 6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0041)</small>		
08 16 13 00-0043 EA 3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,356.13 118.56 263.89	23.58
08 16 13 00-0044 7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) <small>(08 16 13 00-0041)</small>		
08 16 13 00-0045 EA 3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,356.13 118.56 263.89	23.58
08 16 13 00-0046 Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Chem-Pruf) <small>(08 16 13 00-0002)</small>		
08 16 13 00-0047 SI 1/4" Tempered, Factory Installed Vision Glass (Chem-Pruf) .....	0.32	
08 16 13 00-0048 SI 1/4" Laminated, Factory Installed Vision Glass (Chem-Pruf) .....	0.33	
08 16 13 00-0049 SI 1/4" Wire, Factory Installed Vision Glass (Chem-Pruf) .....	0.44	
08 16 13 00-0050 SI 1/2" Insulated, Factory Installed Vision Glass (Chem-Pruf) .....	0.42	
08 16 13 00-0051 SI Factory Installed Molded Louver (Chem-Pruf) .....	0.83	
08 16 13 00-0052 SI Factory Installed Molded Louver With Insect Screen (Chem-Pruf) .....	0.93	
08 16 13 00-0053 LF Weather Strip (Chem-Pruf) .....	8.88	
08 16 13 00-0054 LF Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Chem-Pruf) .....	11.41	
08 16 13 00-0055 LF 1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Chem-Pruf) .....	24.09	
08 16 13 00-0056 LF Fiberglass Reinforced Polyester (FRP) Door Sweep (Chem-Pruf) .....	26.63	
08 16 13 00-0057 LF 2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Chem-Pruf) .....	51.99	
08 16 13 00-0058 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0001)</small>		
08 16 13 00-0059 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0058)</small> Note: White, tan, brown or gray finish. Includes factory hardware prep.		
08 16 13 00-0060 Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0059)</small> Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0061 6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0060)</small>		
08 16 13 00-0062 EA 3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	1,688.65 118.56 263.89	23.58
08 16 13 00-0063 EA 3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	1,710.55 118.56 263.89	24.56
08 16 13 00-0064 EA 4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	1,791.20 118.56 263.89	26.53
08 16 13 00-0065 7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0060)</small>		
08 16 13 00-0066 EA 3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	1,688.65 118.56 263.89	23.58
08 16 13 00-0067 EA 3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	1,787.27 118.56 263.89	24.56
08 16 13 00-0068 EA 4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	1,791.20 118.56 263.89	26.53
08 16 13 00-0069 Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0059)</small> Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0070 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) <small>(08 16 13 00-0069)</small>		

**08 Openings****08 10 Doors And Frames****08 16 Composite Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0071			<b>6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> (08 16 13 00-0070)		
08 16 13 00-0072	EA		3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) .....	2,839.33	23.58
			<i>For Custom Color Finish, Add</i> .....	118.56	
			<i>For Stainless Steel Continuous Hinge, Add</i> .....	263.89	
08 16 13 00-0073	EA		3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) .....	2,896.52	24.56
			<i>For Custom Color Finish, Add</i> .....	118.56	
			<i>For Stainless Steel Continuous Hinge, Add</i> .....	263.89	
08 16 13 00-0074	EA		4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) .....	3,032.40	26.53
			<i>For Custom Color Finish, Add</i> .....	118.56	
			<i>For Stainless Steel Continuous Hinge, Add</i> .....	263.89	
08 16 13 00-0075			<b>7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> (08 16 13 00-0070)		
08 16 13 00-0076	EA		3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) .....	2,839.33	23.58
			<i>For Custom Color Finish, Add</i> .....	118.56	
			<i>For Stainless Steel Continuous Hinge, Add</i> .....	263.89	
08 16 13 00-0077	EA		3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) .....	2,918.00	24.56
			<i>For Custom Color Finish, Add</i> .....	118.56	
			<i>For Stainless Steel Continuous Hinge, Add</i> .....	263.89	
08 16 13 00-0078	EA		4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) .....	3,098.37	26.53
			<i>For Custom Color Finish, Add</i> .....	118.56	
			<i>For Stainless Steel Continuous Hinge, Add</i> .....	263.89	
08 16 13 00-0079			<b>60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> (08 16 13 00-0069)		
08 16 13 00-0080			<b>6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> (08 16 13 00-0079)		
08 16 13 00-0081	EA		3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) .....	2,839.33	23.58
			<i>For Custom Color Finish, Add</i> .....	118.56	
			<i>For Stainless Steel Continuous Hinge, Add</i> .....	263.89	
08 16 13 00-0082	EA		3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) .....	2,896.52	24.56
			<i>For Custom Color Finish, Add</i> .....	118.56	
			<i>For Stainless Steel Continuous Hinge, Add</i> .....	263.89	
08 16 13 00-0083	EA		4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) .....	3,032.40	26.53
			<i>For Custom Color Finish, Add</i> .....	118.56	
			<i>For Stainless Steel Continuous Hinge, Add</i> .....	263.89	
08 16 13 00-0084			<b>7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> (08 16 13 00-0079)		
08 16 13 00-0085	EA		3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) .....	2,839.33	23.58
			<i>For Custom Color Finish, Add</i> .....	118.56	
			<i>For Stainless Steel Continuous Hinge, Add</i> .....	263.89	
08 16 13 00-0086	EA		3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) .....	2,918.00	24.56
			<i>For Custom Color Finish, Add</i> .....	118.56	
			<i>For Stainless Steel Continuous Hinge, Add</i> .....	263.89	
08 16 13 00-0087	EA		4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) .....	3,098.37	26.53
			<i>For Custom Color Finish, Add</i> .....	118.56	
			<i>For Stainless Steel Continuous Hinge, Add</i> .....	263.89	
08 16 13 00-0088			<b>90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> (08 16 13 00-0069)		
08 16 13 00-0089			<b>6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> (08 16 13 00-0088)		
08 16 13 00-0090	EA		3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) .....	2,839.33	23.58
			<i>For Custom Color Finish, Add</i> .....	118.56	
			<i>For Stainless Steel Continuous Hinge, Add</i> .....	263.89	
08 16 13 00-0091	EA		3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) .....	2,896.52	24.56
			<i>For Custom Color Finish, Add</i> .....	118.56	
			<i>For Stainless Steel Continuous Hinge, Add</i> .....	263.89	



<b>Openings</b>	<b>08</b>	<b>08</b>
Doors And Frames	08 10	
Composite Doors	08 16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0092	EA		4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,032.40 118.56 263.89	26.53
<b>08 16 13 00-0093 7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0088)</b>					
08 16 13 00-0094	EA		3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,839.33 118.56 263.89	23.58
08 16 13 00-0095	EA		3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,918.00 118.56 263.89	24.56
08 16 13 00-0096	EA		4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	3,098.37 118.56 263.89	26.53
<b>08 16 13 00-0097 Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0059)</b> Note: Includes fiberglass reinforced polyester (FRP) door frame, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.					
<b>08 16 13 00-0098 6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0097)</b>					
08 16 13 00-0099	EA		3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	1,918.79 118.56 263.89	23.58
<b>08 16 13 00-0100 7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) (08 16 13 00-0097)</b>					
08 16 13 00-0101	EA		3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	1,918.79 118.56 263.89	23.58
<b>08 16 13 00-0102 Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Skule Door) (08 16 13 00-0058)</b>					
08 16 13 00-0103	SI		1/4" Tempered, Factory Installed Vision Glass (Skule Door) .....	0.72	
08 16 13 00-0104	SI		1/4" Laminated, Factory Installed Vision Glass (Skule Door) .....	0.75	
08 16 13 00-0105	SI		1/4" Wire, Factory Installed Vision Glass (Skule Door) .....	0.79	
08 16 13 00-0106	SI		1/2" Insulated, Factory Installed Vision Glass (Skule Door) .....	1.13	
08 16 13 00-0107	SI		Factory Installed Molded Louver (Skule Door) .....	0.45	
08 16 13 00-0108	SI		Factory Installed Molded Louver With Insect Screen (Skule Door) .....	0.71	
08 16 13 00-0109	LF		Weather Strip (Skule Door) .....	6.14	
08 16 13 00-0110	LF		Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Skule Door) .....	7.67	
08 16 13 00-0111	LF		1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Skule Door) .....	24.55	
08 16 13 00-0112	LF		Fiberglass Reinforced Polyester (FRP) Door Sweep (Skule Door) .....	87.45	
08 16 13 00-0113	LF		2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Skule Door) .....	33.75	
<b>08 16 13 00-0114 Galvanized Insulated Poly Core Composite Doors (08 16 13)</b>					
08 16 13 00-0115	EA		3'-0" x 7'-0" x 1-3/4" Thick, Flush, 18 Gauge, Galvanized, Insulated Poly Core Composite Door (Curries 707N) .....	714.67	23.58
<b>08 17 Integrated Door Opening Assemblies (08 10)</b>					
<b>08 17 23 Integrated Metal Door Opening Assemblies (08 17)</b>					
<b>08 17 23 00-0001 Pre-Hung Interior Door Units (08 17 23)</b> Note: All pre-hung doors include door, frame, and trim, all mounting hardware (standard duty ball bearing hinges). Excludes lockset.					
<b>08 17 23 00-0002 Hollow Core Doors, 1-3/8" Thick (08 17 23 00-0001)</b>					
<b>08 17 23 00-0003 Birch Faced (08 17 23 00-0002)</b>					
08 17 23 00-0004	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	277.91 54.91	24.56
08 17 23 00-0005	EA		2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	291.97 58.28	24.56
08 17 23 00-0006	EA		2'-8" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	308.01 61.66	25.55
08 17 23 00-0007	EA		3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	314.15 62.66	26.53
08 17 23 00-0008	EA		3'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	339.65 68.78	26.53

**08 Openings****08 10 Doors And Frames****08 17 Integrated Door Opening Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0009	EA		3'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	359.97 73.19	27.50
08 17 23 00-0010	EA		Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	538.14 109.82	40.28
08 17 23 00-0011	EA		Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	572.18 116.58	43.23
08 17 23 00-0012	EA		Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	614.55 125.33	46.18
<b>08 17 23 00-0013</b>			<b>Lauan Faced</b> <small>(08 17 23 00-0002)</small>		
08 17 23 00-0014	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	247.98 47.73	24.56
08 17 23 00-0015	EA		2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	261.47 50.96	24.56
08 17 23 00-0016	EA		2'-8" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	274.80 53.69	25.55
08 17 23 00-0017	EA		3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	284.80 55.62	26.53
08 17 23 00-0018	EA		3'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	306.96 60.94	26.53
08 17 23 00-0019	EA		3'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	325.16 64.83	27.50
08 17 23 00-0020	EA		Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	478.29 95.46	40.28
08 17 23 00-0021	EA		Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	511.10 101.92	43.23
08 17 23 00-0022	EA		Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	555.91 111.25	46.18
<b>08 17 23 00-0023</b>			<b>Tempered Hardboard Faced</b> <small>(08 17 23 00-0002)</small>		
08 17 23 00-0024	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	205.01 37.41	24.56
08 17 23 00-0025	EA		2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	216.38 40.14	24.56
08 17 23 00-0026	EA		2'-8" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	223.74 41.44	25.55
08 17 23 00-0027	EA		3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	236.50 44.03	26.53
08 17 23 00-0028	EA		3'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	256.66 48.87	26.53
08 17 23 00-0029	EA		3'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	271.67 52.00	27.50
08 17 23 00-0030	EA		Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	392.34 74.83	40.28
08 17 23 00-0031	EA		Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	420.96 80.28	43.23
08 17 23 00-0032	EA		Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	459.23 88.05	46.18
<b>08 17 23 00-0033</b>			<b>Solid Core Doors, 1-3/8" Thick</b> <small>(08 17 23 00-0001)</small>		
<b>08 17 23 00-0034</b>			<b>Birch Faced</b> <small>(08 17 23 00-0033)</small>		
08 17 23 00-0035	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	386.01 80.85	24.56
08 17 23 00-0036	EA		2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	403.73 85.11	24.56
08 17 23 00-0037	EA		2'-8" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	423.37 89.35	25.55
08 17 23 00-0038	EA		3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	446.91 94.53	26.53
08 17 23 00-0039	EA		3'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	490.16 104.91	26.53
08 17 23 00-0040	EA		3'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	530.34 114.08	27.50
08 17 23 00-0041	EA		Pair 2' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	754.35 161.71	40.28
08 17 23 00-0042	EA		Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	795.68 170.22	43.23
08 17 23 00-0043	EA		Pair 3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	880.06 189.05	46.18
<b>08 17 23 00-0044</b>			<b>Lauan Faced</b> <small>(08 17 23 00-0033)</small>		
08 17 23 00-0045	EA		2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	340.80 70.00	24.56
08 17 23 00-0046	EA		2'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	356.83 73.85	24.56
08 17 23 00-0047	EA		2'-8" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door ..... <i>For 8' Door Height, Add</i>	374.81 77.70	25.55



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0048 EA 3' x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door..... <i>For 8' Door Height, Add</i>	392.96 81.58	26.53
08 17 23 00-0049 EA 3'-4" x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door ..... <i>For 8' Door Height, Add</i>	430.35 90.55	26.53
08 17 23 00-0050 EA 3'-6" x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door ..... <i>For 8' Door Height, Add</i>	456.46 96.35	27.50
08 17 23 00-0051 EA Pair 2' x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door ..... <i>For 8' Door Height, Add</i>	663.90 140.00	40.28
08 17 23 00-0052 EA Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door..... <i>For 8' Door Height, Add</i>	701.89 147.71	43.23
08 17 23 00-0053 EA Pair 3' x 7' x 1-3/8" Prehung Solid Core, Luan Faced Door ..... <i>For 8' Door Height, Add</i>	772.17 163.16	46.18
<b>08 17 23 00-0054 Tempered Hardboard Faced</b> <small>(08 17 23 00-0033)</small>		
08 17 23 00-0055 EA 2'-0" - 2'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	300.52 60.34	24.56
08 17 23 00-0056 EA 2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	315.08 63.83	24.56
08 17 23 00-0057 EA 2'-8" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	331.64 67.33	25.55
08 17 23 00-0058 EA 3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door..... <i>For 8' Door Height, Add</i>	339.01 68.63	26.53
08 17 23 00-0059 EA 3'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	370.55 76.20	26.53
08 17 23 00-0060 EA 3'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	392.85 81.08	27.50
08 17 23 00-0061 PR Pair 2' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	583.36 120.67	40.28
08 17 23 00-0062 PR Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	618.36 127.66	43.23
08 17 23 00-0063 PR Pair 3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	664.26 137.26	46.18
<b>08 17 23 00-0064 Hollow Core Doors, 1-3/4" Thick</b> <small>(08 17 23 00-0001)</small>		
<b>08 17 23 00-0065 Birch Faced</b> <small>(08 17 23 00-0064)</small>		
08 17 23 00-0066 EA 2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	335.08 68.63	24.56
08 17 23 00-0067 EA 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	345.87 71.22	24.56
08 17 23 00-0068 EA 2'-8" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	351.82 72.18	25.55
08 17 23 00-0069 EA 3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	371.38 76.40	26.53
08 17 23 00-0070 EA 3'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	418.08 87.61	26.53
08 17 23 00-0071 EA 3'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	474.60 100.70	27.50
08 17 23 00-0072 EA Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	652.49 137.26	40.28
08 17 23 00-0073 EA Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door..... <i>For 8' Door Height, Add</i>	679.95 142.44	43.23
08 17 23 00-0074 EA Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door ..... <i>For 8' Door Height, Add</i>	729.03 152.80	46.18
<b>08 17 23 00-0075 Luan Faced</b> <small>(08 17 23 00-0064)</small>		
08 17 23 00-0076 EA 2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Luan Faced Door ..... <i>For 8' Door Height, Add</i>	301.74 60.63	24.56
08 17 23 00-0077 EA 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Luan Faced Door ..... <i>For 8' Door Height, Add</i>	319.15 64.81	24.56
08 17 23 00-0078 EA 2'-8" x 7' x 1-3/4" Prehung Hollow Core, Luan Faced Door ..... <i>For 8' Door Height, Add</i>	335.24 68.20	25.55
08 17 23 00-0079 EA 3' x 7' x 1-3/4" Prehung Hollow Core, Luan Faced Door..... <i>For 8' Door Height, Add</i>	342.80 69.54	26.53
08 17 23 00-0080 EA 3'-4" x 7' x 1-3/4" Prehung Hollow Core, Luan Faced Door ..... <i>For 8' Door Height, Add</i>	374.66 77.19	26.53
08 17 23 00-0081 EA 3'-6" x 7' x 1-3/4" Prehung Hollow Core, Luan Faced Door ..... <i>For 8' Door Height, Add</i>	397.20 82.12	27.50
08 17 23 00-0082 EA Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Luan Faced Door ..... <i>For 8' Door Height, Add</i>	585.82 121.26	40.28
08 17 23 00-0083 EA Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Luan Faced Door ..... <i>For 8' Door Height, Add</i>	626.52 129.62	43.23
08 17 23 00-0084 EA Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Luan Faced Door ..... <i>For 8' Door Height, Add</i>	671.86 139.08	46.18
<b>08 17 23 00-0085 Tempered Hardboard Faced</b> <small>(08 17 23 00-0064)</small>		
08 17 23 00-0086 EA 2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door ..... <i>For 8' Door Height, Add</i>	243.34 46.61	24.56



**08 Openings****08 10 Doors And Frames****08 17 Integrated Door Opening Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0087	EA		2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door.....	248.76	24.56
			<i>For 8' Door Height, Add</i>	47.91	
08 17 23 00-0088	EA		2'-8" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door.....	261.51	25.55
			<i>For 8' Door Height, Add</i>	50.50	
08 17 23 00-0089	EA		3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door.....	274.28	26.53
			<i>For 8' Door Height, Add</i>	53.10	
08 17 23 00-0090	EA		3'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door.....	286.60	26.53
			<i>For 8' Door Height, Add</i>	56.05	
08 17 23 00-0091	EA		3'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door.....	303.53	27.50
			<i>For 8' Door Height, Add</i>	59.64	
08 17 23 00-0092	EA		Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door.....	469.00	40.28
			<i>For 8' Door Height, Add</i>	93.23	
08 17 23 00-0093	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door.....	485.73	43.23
			<i>For 8' Door Height, Add</i>	95.83	
08 17 23 00-0094	EA		Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door.....	534.81	46.18
			<i>For 8' Door Height, Add</i>	106.19	
<b>08 17 23 00-0095</b>			<b>Solid Core Doors, 1-3/4" Thick</b> (08 17 23 00-0001)		
<b>08 17 23 00-0096</b>			<b>Birch Faced</b> (08 17 23 00-0095)		
08 17 23 00-0097	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door.....	437.60	24.56
			<i>For 8' Door Height, Add</i>	93.24	
08 17 23 00-0098	EA		2'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door.....	453.77	24.56
			<i>For 8' Door Height, Add</i>	97.12	
08 17 23 00-0099	EA		2'-8" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door.....	461.15	25.55
			<i>For 8' Door Height, Add</i>	98.42	
08 17 23 00-0100	EA		3' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door.....	479.29	26.53
			<i>For 8' Door Height, Add</i>	102.30	
08 17 23 00-0101	EA		3'-4" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door.....	526.18	26.53
			<i>For 8' Door Height, Add</i>	113.55	
08 17 23 00-0102	EA		3'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door.....	575.50	27.50
			<i>For 8' Door Height, Add</i>	124.92	
08 17 23 00-0103	EA		Pair 2' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door.....	857.53	40.28
			<i>For 8' Door Height, Add</i>	186.48	
08 17 23 00-0104	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door.....	895.76	43.23
			<i>For 8' Door Height, Add</i>	194.23	
08 17 23 00-0105	EA		Pair 3' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door.....	944.83	46.18
			<i>For 8' Door Height, Add</i>	204.60	
<b>08 17 23 00-0106</b>			<b>Lauan Faced</b> (08 17 23 00-0095)		
08 17 23 00-0107	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door.....	446.14	24.56
			<i>For 8' Door Height, Add</i>	95.28	
08 17 23 00-0108	EA		2'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door.....	447.29	24.56
			<i>For 8' Door Height, Add</i>	95.56	
08 17 23 00-0109	EA		2'-8" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door.....	460.69	25.55
			<i>For 8' Door Height, Add</i>	98.31	
08 17 23 00-0110	EA		3' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door.....	470.94	26.53
			<i>For 8' Door Height, Add</i>	100.29	
08 17 23 00-0111	EA		3'-4" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door.....	508.71	26.53
			<i>For 8' Door Height, Add</i>	109.36	
08 17 23 00-0112	EA		3'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door.....	539.83	27.50
			<i>For 8' Door Height, Add</i>	116.35	
08 17 23 00-0113	EA		Pair 2' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door.....	874.61	40.28
			<i>For 8' Door Height, Add</i>	190.57	
08 17 23 00-0114	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door.....	882.79	43.23
			<i>For 8' Door Height, Add</i>	191.12	
08 17 23 00-0115	EA		Pair 3' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door.....	928.13	46.18
			<i>For 8' Door Height, Add</i>	200.59	
<b>08 17 23 00-0116</b>			<b>Tempered Hardboard Faced</b> (08 17 23 00-0095)		
08 17 23 00-0117	EA		2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door.....	356.66	24.56
			<i>For 8' Door Height, Add</i>	73.81	
08 17 23 00-0118	EA		2'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door.....	362.04	24.56
			<i>For 8' Door Height, Add</i>	75.10	
08 17 23 00-0119	EA		2'-8" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door.....	369.42	25.55
			<i>For 8' Door Height, Add</i>	76.40	
08 17 23 00-0120	EA		3' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door.....	382.18	26.53
			<i>For 8' Door Height, Add</i>	78.99	
08 17 23 00-0121	EA		3'-4" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door.....	406.32	26.53
			<i>For 8' Door Height, Add</i>	84.78	
08 17 23 00-0122	EA		3'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door.....	430.91	27.50
			<i>For 8' Door Height, Add</i>	90.21	
08 17 23 00-0123	EA		Pair 2' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door.....	695.63	40.28
			<i>For 8' Door Height, Add</i>	147.62	
08 17 23 00-0124	EA		Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door.....	712.31	43.23
			<i>For 8' Door Height, Add</i>	150.21	
08 17 23 00-0125	EA		Pair 3' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door.....	750.60	46.18
			<i>For 8' Door Height, Add</i>	157.98	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 17 23 00-0126 Oak Or Maple Faced</b> <small>(08 17 23 00-0095)</small>						
08 17 23 00-0127	EA			2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door.....	537.59	24.56
				<i>For 8' Door Height, Add</i>	117.23	
08 17 23 00-0128	EA			2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door.....	540.57	24.56
				<i>For 8' Door Height, Add</i>	117.95	
08 17 23 00-0129	EA			2'-8" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door.....	567.77	25.55
				<i>For 8' Door Height, Add</i>	124.01	
08 17 23 00-0130	EA			3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door.....	576.34	26.53
				<i>For 8' Door Height, Add</i>	125.59	
08 17 23 00-0131	EA			3'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door.....	633.06	26.53
				<i>For 8' Door Height, Add</i>	139.20	
08 17 23 00-0132	EA			3'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door.....	702.25	27.50
				<i>For 8' Door Height, Add</i>	155.34	
08 17 23 00-0133	EA			Pair 2' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door.....	1,057.50	40.28
				<i>For 8' Door Height, Add</i>	234.47	
08 17 23 00-0134	EA			Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door.....	1,069.35	43.23
				<i>For 8' Door Height, Add</i>	235.90	
08 17 23 00-0135	EA			Pair 3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door.....	1,138.93	46.18
				<i>For 8' Door Height, Add</i>	251.18	
<b>08 17 23 00-0136 Walnut Faced</b> <small>(08 17 23 00-0095)</small>						
08 17 23 00-0137	EA			2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door.....	690.13	24.56
				<i>For 8' Door Height, Add</i>	153.84	
08 17 23 00-0138	EA			2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door.....	716.79	24.56
				<i>For 8' Door Height, Add</i>	160.24	
08 17 23 00-0139	EA			2'-8" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door.....	727.68	25.55
				<i>For 8' Door Height, Add</i>	162.38	
08 17 23 00-0140	EA			3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door.....	756.34	26.53
				<i>For 8' Door Height, Add</i>	168.79	
08 17 23 00-0141	EA			3'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door.....	833.71	26.53
				<i>For 8' Door Height, Add</i>	187.36	
08 17 23 00-0142	EA			3'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door.....	913.81	27.50
				<i>For 8' Door Height, Add</i>	206.11	
08 17 23 00-0143	EA			Pair 2' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door.....	1,362.59	40.28
				<i>For 8' Door Height, Add</i>	307.69	
08 17 23 00-0144	EA			Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door.....	1,421.78	43.23
				<i>For 8' Door Height, Add</i>	320.48	
08 17 23 00-0145	EA			Pair 3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door.....	1,498.93	46.18
				<i>For 8' Door Height, Add</i>	337.58	
<b>08 30 Specialty Doors And Frames</b> <small>(08)</small>						
Note: Includes caulk, sealant and mounting anchors.						
<b>08 31 Access Doors And Panels</b> <small>(08 30)</small>						
See CSI section 07 72 33 00-0000 for roof hatches, 23 33 33 00-0000 for duct-mounted access doors.						
<b>08 31 13 Access Doors And Frames</b> <small>(08 31)</small>						
<b>08 31 13 00-0001 Stainless Steel Access Doors</b> <small>(08 31 13)</small>						
<b>08 31 13 00-0002 Fire Rated Stainless Steel Access Doors</b> <small>(08 31 13 00-0001)</small>						
08 31 13 00-0003	EA			12" x 12" Fire Rated Stainless Steel Access Door With Cam Latch.....	342.58	34.24
08 31 13 00-0004	EA			12" x 18" Fire Rated Stainless Steel Access Door With Cam Latch.....	401.21	36.49
08 31 13 00-0005	EA			18" x 18" Fire Rated Stainless Steel Access Door With Cam Latch.....	471.40	38.59
08 31 13 00-0006	EA			24" x 18" Fire Rated Stainless Steel Access Door With Cam Latch.....	547.08	40.55
08 31 13 00-0007	EA			24" x 24" Fire Rated Stainless Steel Access Door With Cam Latch.....	560.21	40.75
08 31 13 00-0008	EA			24" x 36" Fire Rated Stainless Steel Access Door With Cam Latch.....	725.61	42.01
<b>08 31 13 00-0009 Stainless Steel Access Doors</b> <small>(08 31 13 00-0001)</small>						
08 31 13 00-0010	EA			8" x 8" Stainless Steel Access Door With Cam Latch.....	124.07	26.27
08 31 13 00-0011	EA			12" x 12" Stainless Steel Access Door With Cam Latch.....	151.25	34.24
08 31 13 00-0012	EA			12" x 18" Stainless Steel Access Door With Cam Latch.....	224.05	36.49
08 31 13 00-0013	EA			18" x 18" Stainless Steel Access Door With Cam Latch.....	240.87	38.59
08 31 13 00-0014	EA			24" x 18" Stainless Steel Access Door With Cam Latch.....	282.61	40.55
08 31 13 00-0015	EA			24" x 24" Stainless Steel Access Door With Cam Latch.....	325.95	40.75
<b>08 31 13 00-0016 Steel Access Doors</b> <small>(08 31 13)</small>						
Note: Includes paintable powder coated finish.						
<b>08 31 13 00-0017 Insulated Fire Rated Steel Access Doors</b> <small>(08 31 13 00-0016)</small>						
08 31 13 00-0018	EA			12" x 12" Insulated Fire Rated Steel Access Door With Cam Latch.....	224.46	34.45
08 31 13 00-0019	EA			12" x 18" Insulated Fire Rated Steel Access Door With Cam Latch.....	283.78	36.49
08 31 13 00-0020	EA			18" x 18" Insulated Fire Rated Steel Access Door With Cam Latch.....	281.56	38.59
08 31 13 00-0021	EA			24" x 18" Insulated Fire Rated Steel Access Door With Cam Latch.....	339.23	40.75
08 31 13 00-0022	EA			24" x 24" Insulated Fire Rated Steel Access Door With Cam Latch.....	356.33	40.75
08 31 13 00-0023	EA			24" x 36" Insulated Fire Rated Steel Access Door With Cam Latch.....	471.70	42.01
08 31 13 00-0024	EA			24" x 48" Insulated Fire Rated Steel Access Door With Cam Latch.....	549.32	43.77
08 31 13 00-0025	EA			36" x 36" Insulated Fire Rated Steel Access Door With Cam Latch.....	690.89	43.77



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 31 13 00-0026 EA 48" x 48" Insulated Fire Rated Steel Access Door With Cam Latch.....	890.80	52.52
<b>08 31 13 00-0027 Steel Access Doors</b> (08 31 13 00-0016)		
08 31 13 00-0028 EA 8" x 8" Steel Access Door With Cam Latch.....	101.21	26.41
08 31 13 00-0029 EA 12" x 12" Steel Access Door With Cam Latch.....	108.53	34.45
08 31 13 00-0030 EA 12" x 18" Steel Access Door With Cam Latch.....	127.96	36.49
08 31 13 00-0031 EA 18" x 18" Steel Access Door With Cam Latch.....	130.49	38.59
08 31 13 00-0032 EA 24" x 18" Steel Access Door With Cam Latch.....	159.65	40.75
08 31 13 00-0033 EA 24" x 24" Steel Access Door With Cam Latch.....	164.37	40.75
08 31 13 00-0034 EA 24" x 36" Steel Access Door With Cam Latch.....	214.21	42.01
08 31 13 00-0035 EA 36" x 36" Steel Access Door With Cam Latch.....	296.43	43.77
<b>08 31 13 00-0036 Fiberglass Reinforced Polyester (FRP) Access Doors</b> (08 31 13)		
08 31 13 00-0037 EA 8" x 8" Fiberglass Reinforced Polyester (FRP) Access Door With Lock .....	112.58	26.27
08 31 13 00-0038 EA 12" x 12" Fiberglass Reinforced Polyester (FRP) Access Door With Lock .....	124.97	28.01
08 31 13 00-0039 EA 12" x 18" Fiberglass Reinforced Polyester (FRP) Access Door With Lock .....	155.84	29.76
08 31 13 00-0040 EA 18" x 18" Fiberglass Reinforced Polyester (FRP) Access Door With Lock .....	186.61	31.52
08 31 13 00-0041 EA 24" x 18" Fiberglass Reinforced Polyester (FRP) Access Door With Lock .....	219.56	33.12
08 31 13 00-0042 EA 24" x 24" Fiberglass Reinforced Polyester (FRP) Access Door With Lock .....	236.23	33.26
<b>08 31 13 00-0043 Steel Recessed Access Doors For Drywall Application</b> (08 31 13)		
Note: Includes paintable powder coated finish.		
08 31 13 00-0044 EA 8" x 8" Recessed Steel Access Door With Cam Latch.....	157.98	26.27
For Recessed Doors In Acoustical Tile, Add	5.19	
08 31 13 00-0045 EA 12" x 12" Recessed Steel Access Door With Cam Latch.....	164.58	28.15
For Recessed Doors In Acoustical Tile, Add	6.26	
08 31 13 00-0046 EA 12" x 18" Recessed Steel Access Door With Cam Latch.....	177.44	29.76
For Recessed Doors In Acoustical Tile, Add	6.14	
08 31 13 00-0047 EA 18" x 18" Recessed Steel Access Door With Cam Latch.....	212.20	31.52
For Recessed Doors In Acoustical Tile, Add	2.84	
08 31 13 00-0048 EA 24" x 18" Recessed Steel Access Door With Cam Latch.....	223.14	33.26
For Recessed Doors In Acoustical Tile, Add	3.13	
08 31 13 00-0049 EA 24" x 24" Recessed Steel Access Door With Cam Latch.....	248.01	33.26
For Recessed Doors In Acoustical Tile, Add	-0.60	
08 31 13 00-0050 EA 24" x 36" Recessed Steel Access Door With Cam Latch.....	308.27	42.01
For Recessed Doors In Acoustical Tile, Add	-0.02	
08 31 13 00-0051 EA 36" x 36" Recessed Steel Access Door With Cam Latch.....	459.49	43.77
For Recessed Doors In Acoustical Tile, Add	-20.78	
<b>08 31 13 00-0052 Steel Crawl Space Doors And Frames</b> (08 31 13)		
Note: Includes paintable powder coated finish.		
08 31 13 00-0053 EA 24" x 24" Steel Crawl Space Door With Cam Latch.....	178.10	44.33
08 31 13 00-0054 EA 30" x 24" Steel Crawl Space Door With Cam Latch.....	257.92	53.71
08 31 13 00-0055 EA 30" x 30" Steel Crawl Space Door With Cam Latch.....	290.67	58.34
<b>08 32 Sliding Glass Doors</b> (08 30)		
Note: Includes stock frames, trim, necessary anchors and Usual hardware.		
<b>08 32 13 Sliding Aluminum-Framed Glass Doors</b> (08 32)		
<b>08 32 13 00-0001 Residential Sliding Aluminum-Framed Glass Doors</b> (08 32 13)		
<b>08 32 13 00-0002 5/8" Insulating Glass, Sliding Aluminum-Framed Glass Doors</b> (08 32 13 00-0001)		
08 32 13 00-0003 SF Up To 6' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware.....	15.62	1.76
For Custom Quality, Add	2.74	
For Tempered Glass, Add	1.42	
For Anodized Or Colored Aluminum Frames, Add	1.97	
08 32 13 00-0004 SF >6' Up To 12' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware.....	13.19	1.10
For Custom Quality, Add	2.62	
For Tempered Glass, Add	1.42	
For Anodized Or Colored Aluminum Frames, Add	1.88	
<b>08 32 13 00-0005 1" Insulating Glass, Sliding Aluminum-Framed Glass Doors</b> (08 32 13 00-0001)		
08 32 13 00-0006 SF Up To 6' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware.....	17.58	1.76
For Custom Quality, Add	3.23	
For Tempered Glass, Add	1.42	
For Anodized Or Colored Aluminum Frames, Add	2.32	
08 32 13 00-0007 SF >6' Up To 12' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware.....	15.12	1.10
For Custom Quality, Add	3.10	
For Tempered Glass, Add	1.42	
For Anodized Or Colored Aluminum Frames, Add	2.23	
<b>08 32 13 00-0008 Sliding Aluminum-Framed Glass Doors</b> (08 32 13)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 32 13 00-0009			<b>Aluminum Sliding Glass Doors</b> <small>(08 32 13 00-0008)</small> Note: Includes aluminum interior and exterior, standard hardware and tempered clear insulated glass. Excludes grilles and insect screens.		
	08 32 13 00-0010	EA		5' x 6'-8", Aluminum Sliding Glass Door.....	400.99	29.47
				<i>For Anodized Or Colored Aluminum Frames, Add</i>	51.31	
				<i>For Insect Screen, Add</i>	59.86	
				<i>For Grilles Between The Glass, Add</i>	75.25	
				<i>For Low-E Tempered Insulated Glass, Add</i>	119.71	
	08 32 13 00-0011	EA		6' x 6'-8", Aluminum Sliding Glass Door.....	418.70	31.44
				<i>For Anodized Or Colored Aluminum Frames, Add</i>	53.37	
				<i>For Insect Screen, Add</i>	62.27	
				<i>For Grilles Between The Glass, Add</i>	78.28	
				<i>For Low-E Tempered Insulated Glass, Add</i>	124.54	
	<b>08 32 16</b>			<b>Sliding Plastic-Framed Glass Doors</b> <small>(08 32)</small>		
	08 32 16 00-0001			<b>Sliding Vinyl-Framed Glass Doors</b> <small>(08 32 16)</small>		
	08 32 16 00-0002			<b>Vinyl Sliding Glass Doors (Pella Vinyl 10 Series)</b> <small>(08 32 16 00-0001)</small> Note: Includes white solid vinyl interior and exterior, standard hardware and tempered clear insulated glass. Excludes grilles and insect screens.		
	08 32 16 00-0003	EA		5' x 6' 8", Vinyl Sliding Glass Door (Pella Vinyl 10 Series).....	534.66	29.47
				<i>For Insect Screen, Add</i>	83.25	
				<i>For Grilles Between The Glass, Add</i>	104.66	
				<i>For Low-E Tempered Insulated Glass, Add</i>	214.07	
	08 32 16 00-0004	EA		6' x 6' 8", Vinyl Sliding Glass Door (Pella Vinyl 10 Series).....	555.09	31.44
				<i>For Insect Screen, Add</i>	86.14	
				<i>For Grilles Between The Glass, Add</i>	108.29	
				<i>For Low-E Tempered Insulated Glass, Add</i>	221.50	
	<b>08 32 19</b>			<b>Sliding Wood-Framed Glass Doors</b> <small>(08 32)</small>		
	08 32 19 00-0001			<b>Wood Clad Sliding Glass Doors</b> <small>(08 32 19)</small>		
	08 32 19 00-0002			<b>Wood Clad Sliding Glass Doors (Andersen 200 Series Perma-Shield)</b> <small>(08 32 19 00-0001)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and tempered clear insulated glass. Excludes grilles and insect screens.		
	08 32 19 00-0003	EA		5' x 6' 8", Wood Clad Sliding Glass Door (Andersen 200 Series Perma-Shield).....	944.39	29.47
				<i>For Insect Screen, Add</i>	88.54	
				<i>For Grilles Between The Glass, Add</i>	106.25	
				<i>For Low-E Tempered Insulated Glass, Add</i>	221.36	
	08 32 19 00-0004	EA		6' x 6' 8", Wood Clad Sliding Glass Door (Andersen 200 Series Perma-Shield).....	1,062.43	31.44
				<i>For Insect Screen, Add</i>	99.96	
				<i>For Grilles Between The Glass, Add</i>	119.95	
				<i>For Low-E Tempered Insulated Glass, Add</i>	249.89	
	08 32 19 00-0005	EA		6' x 6' 10", Wood Clad Sliding Glass Door (Andersen 200 Series Perma-Shield).....	1,124.41	32.42
				<i>For Insect Screen, Add</i>	105.96	
				<i>For Grilles Between The Glass, Add</i>	127.15	
				<i>For Low-E Tempered Insulated Glass, Add</i>	264.89	
	08 32 19 00-0006	EA		8' x 6' 10", Wood Clad Sliding Glass Door (Andersen 200 Series Perma-Shield).....	1,377.24	36.35
				<i>For Insect Screen, Add</i>	130.46	
				<i>For Grilles Between The Glass, Add</i>	156.55	
				<i>For Low-E Tempered Insulated Glass, Add</i>	326.14	
	08 32 19 00-0007	EA		6' x 8", Wood Clad Sliding Glass Door (Andersen 200 Series Perma-Shield).....	1,338.80	34.39
				<i>For Insect Screen, Add</i>	127.00	
				<i>For Grilles Between The Glass, Add</i>	152.40	
				<i>For Low-E Tempered Insulated Glass, Add</i>	317.51	
	08 32 19 00-0008	EA		8' x 8", Wood Clad Sliding Glass Door (Andersen 200 Series Perma-Shield).....	1,576.65	38.31
				<i>For Insect Screen, Add</i>	150.00	
				<i>For Grilles Between The Glass, Add</i>	180.00	
				<i>For Low-E Tempered Insulated Glass, Add</i>	375.01	
	08 32 19 00-0009			<b>Wood Clad Sliding Glass Doors (Andersen 400 Series Frenchwood)</b> <small>(08 32 19 00-0001)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and tempered Low-E insulated glass. Excludes grilles and insect screens.		
	08 32 19 00-0010	EA		5' x 6' 8", Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood).....	1,798.12	29.47
				<i>For Insect Screen, Add</i>	173.92	
				<i>For Grilles Between The Glass, Add</i>	208.70	
				<i>For Low-E Tempered Insulated Glass, Add</i>	434.79	
	08 32 19 00-0011	EA		6' x 6' 8", Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood).....	2,001.30	31.44
				<i>For Insect Screen, Add</i>	193.84	
				<i>For Grilles Between The Glass, Add</i>	232.61	
				<i>For Low-E Tempered Insulated Glass, Add</i>	484.61	
	08 32 19 00-0012	EA		8' x 6' 8", Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood).....	2,406.44	35.37
				<i>For Insect Screen, Add</i>	233.57	
				<i>For Grilles Between The Glass, Add</i>	280.29	
				<i>For Low-E Tempered Insulated Glass, Add</i>	583.93	
	08 32 19 00-0013	EA		5' x 6' 10", Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood).....	1,883.72	30.45
				<i>For Insect Screen, Add</i>	182.28	
				<i>For Grilles Between The Glass, Add</i>	218.74	
				<i>For Low-E Tempered Insulated Glass, Add</i>	455.70	

**08 Openings****08 30 Specialty Doors And Frames****08 32 Sliding Glass Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 32 19 00-0014	EA		6' x 6' 10", Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood).....	2,062.64	32.42
			<i>For Insect Screen, Add</i>	199.78	
			<i>For Grilles Between The Glass, Add</i>	239.74	
			<i>For Low-E Tempered Insulated Glass, Add</i>	499.45	
08 32 19 00-0015	EA		8' x 6' 10", Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood).....	2,494.19	36.35
			<i>For Insect Screen, Add</i>	242.15	
			<i>For Grilles Between The Glass, Add</i>	290.58	
			<i>For Low-E Tempered Insulated Glass, Add</i>	605.38	
08 32 19 00-0016	EA		5' x 8', Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood).....	2,275.08	32.42
			<i>For Insect Screen, Add</i>	221.02	
			<i>For Grilles Between The Glass, Add</i>	265.23	
			<i>For Low-E Tempered Insulated Glass, Add</i>	552.56	
08 32 19 00-0017	EA		6' x 8', Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood).....	2,478.27	34.39
			<i>For Insect Screen, Add</i>	240.95	
			<i>For Grilles Between The Glass, Add</i>	289.14	
			<i>For Low-E Tempered Insulated Glass, Add</i>	602.38	
08 32 19 00-0018	EA		8' x 8', Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood).....	2,882.18	38.31
			<i>For Insect Screen, Add</i>	280.56	
			<i>For Grilles Between The Glass, Add</i>	336.67	
			<i>For Low-E Tempered Insulated Glass, Add</i>	701.39	
<b>08 32 19 00-0019</b>			<b>Residential Wood Sliding Doors With 5/8" Glass</b> (08 32 19)		
08 32 19 00-0020	EA		6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware.....	1,670.49	53.05
08 32 19 00-0021	EA		8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware.....	2,039.11	64.84
08 32 19 00-0022	EA		9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware.....	2,357.01	74.66
08 32 19 00-0023	EA		6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware .....	1,852.51	53.05
08 32 19 00-0024	EA		8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware .....	2,274.21	64.84
08 32 19 00-0025	EA		9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware .....	2,647.95	74.66
<b>08 33 Coiling Doors And Grilles</b> (08 30)					
<b>08 33 13 Coiling Counter Doors</b> (08 33)					
<b>08 33 13 00-0001</b>			<b>Overhead Rolling Counter Doors</b> (08 33 13)		
<b>08 33 13 00-0002</b>			<b>Galvanized Steel Overhead Rolling Counter Doors</b> (08 33 13 00-0001)		
			Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0003	EA		4' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650) .....	4,254.18	259.05
			<i>For Motor Operator (With Safety Reverse), Add</i>	714.76	
08 33 13 00-0004	EA		6' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650) .....	4,472.76	259.05
			<i>For Motor Operator (With Safety Reverse), Add</i>	714.76	
08 33 13 00-0005	EA		8' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650) .....	4,833.29	275.23
			<i>For Motor Operator (With Safety Reverse), Add</i>	718.03	
08 33 13 00-0006	EA		10' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650) .....	5,177.09	323.80
			<i>For Motor Operator (With Safety Reverse), Add</i>	730.55	
08 33 13 00-0007	EA		4' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650) .....	5,237.79	259.05
			<i>For Motor Operator (With Safety Reverse), Add</i>	714.76	
08 33 13 00-0008	EA		6' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650) .....	5,473.69	287.80
			<i>For Motor Operator (With Safety Reverse), Add</i>	721.96	
08 33 13 00-0009	EA		8' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650) .....	5,611.75	299.33
			<i>For Motor Operator (With Safety Reverse), Add</i>	724.84	
08 33 13 00-0010	EA		10' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650) .....	5,946.15	323.80
			<i>For Motor Operator (With Safety Reverse), Add</i>	730.95	
<b>08 33 13 00-0011</b>			<b>Stainless Steel Overhead Rolling Counter Doors</b> (08 33 13 00-0001)		
			Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0012	EA		4' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651).....	4,800.63	259.05
			<i>For Motor Operator (With Safety Reverse), Add</i>	714.76	
08 33 13 00-0013	EA		6' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651).....	5,401.73	259.05
			<i>For Motor Operator (With Safety Reverse), Add</i>	714.76	
08 33 13 00-0014	EA		8' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651).....	5,543.67	275.23
			<i>For Motor Operator (With Safety Reverse), Add</i>	718.03	
08 33 13 00-0015	EA		10' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651).....	6,761.79	323.80
			<i>For Motor Operator (With Safety Reverse), Add</i>	730.55	
08 33 13 00-0016	EA		4' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651).....	5,784.24	259.05
			<i>For Motor Operator (With Safety Reverse), Add</i>	714.76	
08 33 13 00-0017	EA		6' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651).....	5,965.49	287.80
			<i>For Motor Operator (With Safety Reverse), Add</i>	721.96	
08 33 13 00-0018	EA		8' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651).....	6,103.56	299.33
			<i>For Motor Operator (With Safety Reverse), Add</i>	724.84	
08 33 13 00-0019	EA		10' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651).....	7,804.08	323.80
			<i>For Motor Operator (With Safety Reverse), Add</i>	730.95	
<b>08 33 13 00-0020</b>			<b>Aluminum Overhead Rolling Counter Doors</b> (08 33 13 00-0001)		
			Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0021	EA		4' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	4,691.34 714.76	259.05
08 33 13 00-0022	EA		6' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	4,909.92 714.76	259.05
08 33 13 00-0023	EA		8' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	5,489.03 718.03	275.23
08 33 13 00-0024	EA		10' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	6,488.57 730.55	323.80
08 33 13 00-0025	EA		4' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	5,674.95 714.76	259.05
08 33 13 00-0026	EA		6' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	5,910.85 721.96	287.80
08 33 13 00-0027	EA		8' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	6,076.24 724.84	299.33
08 33 13 00-0028	EA		10' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	7,694.79 730.95	323.80
<b>08 33 13 00-0029</b>			<b>Galvanized Steel Overhead Rolling Counter Fire Doors</b> <small>(08 33 13 00-0001)</small> Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0030	EA		4' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	5,565.66 714.76	259.05
08 33 13 00-0031	EA		6' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	5,893.53 714.76	259.05
08 33 13 00-0032	EA		8' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	6,363.35 718.03	275.23
08 33 13 00-0033	EA		10' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	6,816.44 730.55	323.80
08 33 13 00-0034	EA		4' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	6,221.40 714.76	259.05
08 33 13 00-0035	EA		6' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	6,511.94 721.96	287.80
08 33 13 00-0036	EA		8' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	6,759.30 724.84	299.33
08 33 13 00-0037	EA		10' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	6,929.76 730.95	323.80
<b>08 33 13 00-0038</b>			<b>Stainless Steel Overhead Rolling Counter Fire Doors</b> <small>(08 33 13 00-0001)</small> Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0039	EA		4' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	6,330.69 714.76	259.05
08 33 13 00-0040	EA		6' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	7,205.01 714.76	259.05
08 33 13 00-0041	EA		8' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	7,346.96 718.03	275.23
08 33 13 00-0042	EA		10' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	9,002.24 730.55	323.80
08 33 13 00-0043	EA		4' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	6,877.14 714.76	259.05
08 33 13 00-0044	EA		6' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	7,113.03 721.96	287.80
08 33 13 00-0045	EA		8' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	7,360.39 724.84	299.33
08 33 13 00-0046	EA		10' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	9,115.56 730.95	323.80
<b>08 33 13 00-0047</b>			<b>Integral Frame And Sill, Overhead Rolling Counter Doors</b> <small>(08 33 13)</small>		
<b>08 33 13 00-0048</b>			<b>Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill</b> <small>(08 33 13 00-0047)</small> Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0049	EA		4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	9,172.23 714.76	259.05
08 33 13 00-0050	EA		6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	9,390.81 714.76	259.05

<b>08</b>	<b>Openings</b>
<b>08 30</b>	<b>Specialty Doors And Frames</b>
<b>08 33</b>	<b>Coiling Doors And Grilles</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0051	EA		8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	9,642.05	275.23
			<i>For Motor Operator (With Safety Reverse), Add</i>	718.03	
08 33 13 00-0052	EA		10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	9,985.85	323.80
			<i>For Motor Operator (With Safety Reverse), Add</i>	730.55	
08 33 13 00-0053	EA		4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	9,500.10	259.05
			<i>For Motor Operator (With Safety Reverse), Add</i>	714.76	
08 33 13 00-0054	EA		6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	9,790.64	287.80
			<i>For Motor Operator (With Safety Reverse), Add</i>	721.96	
08 33 13 00-0055	EA		8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	10,038.00	299.33
			<i>For Motor Operator (With Safety Reverse), Add</i>	724.84	
08 33 13 00-0056	EA		10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655).....	11,192.07	323.80
			<i>For Motor Operator (With Safety Reverse), Add</i>	730.95	
<b>08 33 13 00-0057</b>			<b>Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill</b> <small>(08 33 13 00-0047)</small>		
			Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0058	EA		4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	8,079.33	259.05
			<i>For Motor Operator (With Safety Reverse), Add</i>	714.76	
08 33 13 00-0059	EA		6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	8,297.91	259.05
			<i>For Motor Operator (With Safety Reverse), Add</i>	714.76	
08 33 13 00-0060	EA		8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	8,549.15	275.23
			<i>For Motor Operator (With Safety Reverse), Add</i>	718.03	
08 33 13 00-0061	EA		10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	8,892.95	323.80
			<i>For Motor Operator (With Safety Reverse), Add</i>	730.55	
08 33 13 00-0062	EA		4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	9,062.94	259.05
			<i>For Motor Operator (With Safety Reverse), Add</i>	714.76	
08 33 13 00-0063	EA		6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	9,353.48	287.80
			<i>For Motor Operator (With Safety Reverse), Add</i>	721.96	
08 33 13 00-0064	EA		8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	9,710.13	299.33
			<i>For Motor Operator (With Safety Reverse), Add</i>	724.84	
08 33 13 00-0065	EA		10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656).....	9,989.88	323.80
			<i>For Motor Operator (With Safety Reverse), Add</i>	730.95	
<b>08 33 13 00-0066</b>			<b>Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill</b> <small>(08 33 13 00-0047)</small>		
			Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0067	EA		4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	12,669.51	259.05
			<i>For Motor Operator (With Safety Reverse), Add</i>	714.76	
08 33 13 00-0068	EA		6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	13,762.41	259.05
			<i>For Motor Operator (With Safety Reverse), Add</i>	714.76	
08 33 13 00-0069	EA		8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	15,980.87	275.23
			<i>For Motor Operator (With Safety Reverse), Add</i>	718.03	
08 33 13 00-0070	EA		10' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	17,198.99	323.80
			<i>For Motor Operator (With Safety Reverse), Add</i>	730.55	
08 33 13 00-0071	EA		4' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	14,308.86	259.05
			<i>For Motor Operator (With Safety Reverse), Add</i>	714.76	
08 33 13 00-0072	EA		6' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	15,473.72	287.80
			<i>For Motor Operator (With Safety Reverse), Add</i>	721.96	
08 33 13 00-0073	EA		8' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	17,141.85	299.33
			<i>For Motor Operator (With Safety Reverse), Add</i>	724.84	
08 33 13 00-0074	EA		10' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657).....	19,388.82	323.80
			<i>For Motor Operator (With Safety Reverse), Add</i>	730.95	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0075				<b>Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill</b> <small>(08 33 13 00-0047)</small>		
				Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0076	EA			4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) .....	10,702.29	259.05
				<i>For Motor Operator (With Safety Reverse), Add</i> .....	714.76	
08 33 13 00-0077	EA			6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) .....	10,920.87	259.05
				<i>For Motor Operator (With Safety Reverse), Add</i> .....	714.76	
08 33 13 00-0078	EA			8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) .....	11,390.69	275.23
				<i>For Motor Operator (With Safety Reverse), Add</i> .....	718.03	
08 33 13 00-0079	EA			10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) .....	12,280.94	323.80
				<i>For Motor Operator (With Safety Reverse), Add</i> .....	730.55	
08 33 13 00-0080	EA			4' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) .....	11,358.03	259.05
				<i>For Motor Operator (With Safety Reverse), Add</i> .....	714.76	
08 33 13 00-0081	EA			6' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) .....	12,085.73	287.80
				<i>For Motor Operator (With Safety Reverse), Add</i> .....	721.96	
08 33 13 00-0082	EA			8' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) .....	12,770.25	299.33
				<i>For Motor Operator (With Safety Reverse), Add</i> .....	724.84	
08 33 13 00-0083	EA			10' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) .....	15,017.22	323.80
				<i>For Motor Operator (With Safety Reverse), Add</i> .....	730.95	
08 33 13 00-0084				<b>Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood</b> <small>(08 33 13 00-0047)</small>		
				Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0085	EA			4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660) .....	15,401.76	259.05
				<i>For Motor Operator (With Safety Reverse), Add</i> .....	714.76	
08 33 13 00-0086	EA			6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660) .....	15,948.21	259.05
				<i>For Motor Operator (With Safety Reverse), Add</i> .....	714.76	
08 33 13 00-0087	EA			8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660) .....	18,166.67	275.23
				<i>For Motor Operator (With Safety Reverse), Add</i> .....	718.03	
08 33 13 00-0088				<b>Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood</b> <small>(08 33 13 00-0047)</small>		
				Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0089	EA			4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661) .....	11,576.61	259.05
				<i>For Motor Operator (With Safety Reverse), Add</i> .....	714.76	
08 33 13 00-0090	EA			6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661) .....	15,948.21	259.05
				<i>For Motor Operator (With Safety Reverse), Add</i> .....	714.76	
08 33 13 00-0091	EA			8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661) .....	18,166.67	275.23
				<i>For Motor Operator (With Safety Reverse), Add</i> .....	718.03	
08 33 13 00-0092				<b>Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood</b> <small>(08 33 13 00-0047)</small>		
				Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0093	EA			4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662) .....	10,046.55	259.05
				<i>For Motor Operator (With Safety Reverse), Add</i> .....	714.76	
08 33 13 00-0094	EA			6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662) .....	11,358.03	259.05
				<i>For Motor Operator (With Safety Reverse), Add</i> .....	714.76	
08 33 13 00-0095	EA			8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662) .....	12,155.72	275.23
				<i>For Motor Operator (With Safety Reverse), Add</i> .....	718.03	
08 33 13 00-0096	EA			10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662) .....	13,373.84	323.80
				<i>For Motor Operator (With Safety Reverse), Add</i> .....	730.55	



<b>08</b>	<b>Openings</b>
<b>08 30</b>	<b>Specialty Doors And Frames</b>
<b>08 33</b>	<b>Coiling Doors And Grilles</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**08 33 16 Coiling Counter Grilles** (08 33)

**08 33 16 00-0001 Galvanized Steel Overhead Coiling Counter Grilles (Width x Height)** (08 33 16)

08 33 16 00-0002	EA 4' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	1,613.68	113.33
	For Lexan Lattice Pattern, Add	193.48	
	For Aluminum With Clear Or Anodized Bronze Finish, Add	96.98	
	For Staggered Brick Pattern, Add	172.65	
08 33 16 00-0003	EA 6' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	1,778.64	113.33
	For Lexan Lattice Pattern, Add	218.23	
	For Aluminum With Clear Or Anodized Bronze Finish, Add	133.45	
	For Staggered Brick Pattern, Add	234.21	
08 33 16 00-0004	EA 8' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,053.07	151.09
	For Lexan Lattice Pattern, Add	243.20	
	For Aluminum With Clear Or Anodized Bronze Finish, Add	169.94	
	For Staggered Brick Pattern, Add	295.78	
08 33 16 00-0005	EA 12' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,450.07	151.09
	For Lexan Lattice Pattern, Add	302.75	
	For Aluminum With Clear Or Anodized Bronze Finish, Add	242.89	
	For Staggered Brick Pattern, Add	418.92	
08 33 16 00-0006	EA 16' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	3,316.30	226.67
	For Lexan Lattice Pattern, Add	400.30	
	For Aluminum With Clear Or Anodized Bronze Finish, Add	363.86	
	For Staggered Brick Pattern, Add	552.40	
08 33 16 00-0007	EA 18' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	3,749.00	259.05
	For Lexan Lattice Pattern, Add	449.08	
	For Aluminum With Clear Or Anodized Bronze Finish, Add	363.86	
	For Staggered Brick Pattern, Add	552.40	
08 33 16 00-0008	EA 20' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	4,182.54	302.12
	For Lexan Lattice Pattern, Add	497.86	
	For Aluminum With Clear Or Anodized Bronze Finish, Add	484.84	
	For Staggered Brick Pattern, Add	685.87	
08 33 16 00-0009	EA 24' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	5,221.43	362.67
	For Lexan Lattice Pattern, Add	627.54	
	For Aluminum With Clear Or Anodized Bronze Finish, Add	581.81	
	For Staggered Brick Pattern, Add	709.23	
08 33 16 00-0010	EA 30' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	6,408.93	453.34
	For Lexan Lattice Pattern, Add	767.06	
	For Aluminum With Clear Or Anodized Bronze Finish, Add	680.99	
	For Staggered Brick Pattern, Add	814.12	
08 33 16 00-0011	EA 4' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	1,739.60	113.33
	For Lexan Lattice Pattern, Add	212.37	
	For Aluminum With Clear Or Anodized Bronze Finish, Add	145.44	
	For Staggered Brick Pattern, Add	200.58	
08 33 16 00-0012	EA 6' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	1,976.52	113.33
	For Lexan Lattice Pattern, Add	247.91	
	For Aluminum With Clear Or Anodized Bronze Finish, Add	218.15	
	For Staggered Brick Pattern, Add	272.80	
08 33 16 00-0013	EA 8' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,224.21	151.15
	For Lexan Lattice Pattern, Add	268.87	
	For Aluminum With Clear Or Anodized Bronze Finish, Add	290.85	
	For Staggered Brick Pattern, Add	345.01	
08 33 16 00-0014	EA 12' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,681.62	151.15
	For Lexan Lattice Pattern, Add	337.48	
	For Aluminum With Clear Or Anodized Bronze Finish, Add	436.36	
	For Staggered Brick Pattern, Add	489.43	
08 33 16 00-0015	EA 16' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	3,641.09	226.67
	For Lexan Lattice Pattern, Add	449.02	
	For Aluminum With Clear Or Anodized Bronze Finish, Add	581.81	
	For Staggered Brick Pattern, Add	673.76	
08 33 16 00-0016	EA 18' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	4,120.40	259.05
	For Lexan Lattice Pattern, Add	504.79	
	For Aluminum With Clear Or Anodized Bronze Finish, Add	581.81	
	For Staggered Brick Pattern, Add	673.76	
08 33 16 00-0017	EA 20' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	4,598.25	302.12
	For Lexan Lattice Pattern, Add	560.56	
	For Aluminum With Clear Or Anodized Bronze Finish, Add	727.27	
	For Staggered Brick Pattern, Add	858.09	
08 33 16 00-0018	EA 24' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	5,763.14	362.67
	For Lexan Lattice Pattern, Add	708.79	
	For Aluminum With Clear Or Anodized Bronze Finish, Add	872.71	
	For Staggered Brick Pattern, Add	989.21	
08 33 16 00-0019	EA 30' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	6,948.46	453.34
	For Lexan Lattice Pattern, Add	847.98	
	For Aluminum With Clear Or Anodized Bronze Finish, Add	1,016.08	
	For Staggered Brick Pattern, Add	1,108.97	

**08 33 23 Overhead Coiling Doors** (08 33)

Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-1012 for forklift.

**08 33 23 11 Overhead Coiling Doors** (08 33 23)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 33 23 11-0001 Galvanized Steel Overhead Coiling Doors (Width x Height)</b> <small>(08 33 23 11)</small>		
<small>Note: Includes necessary anchors, track, and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.</small>		
<b>08 33 23 11-0002 26 Gauge Galvanized Steel Overhead Coiling Doors</b> <small>(08 33 23 11-0001)</small>		
08 33 23 11-0003 EA 4' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	380.46	108.06
08 33 23 11-0004 EA 4' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	422.75	117.89
08 33 23 11-0005 EA 5' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	420.10	117.89
08 33 23 11-0006 EA 5' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	465.88	127.71
08 33 23 11-0007 EA 6' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	459.78	127.71
08 33 23 11-0008 EA 6' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	505.27	137.53
08 33 23 11-0009 EA 6' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	560.86	147.36
08 33 23 11-0010 EA 8' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	495.42	127.71
08 33 23 11-0011 EA 8' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	534.03	137.53
08 33 23 11-0012 EA 8' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	581.00	147.36
08 33 23 11-0013 EA 8' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	653.50	157.18
08 33 23 11-0014 EA 10' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	596.99	157.18
08 33 23 11-0015 EA 10' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	636.11	157.18
08 33 23 11-0016 EA 10' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	707.95	167.00
08 33 23 11-0017 EA 10' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	754.50	176.84
<b>08 33 23 11-0018 24 Gauge Galvanized Steel Overhead Coiling Doors</b> <small>(08 33 23 11-0001)</small>		
<small>Note: With curtain hood (barrel cover).</small>		
08 33 23 11-0019 EA 8' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	1,504.01	127.71
<i>For Insulated, Add</i>	955.60	
08 33 23 11-0020 EA 8' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	1,566.82	137.53
<i>For Insulated, Add</i>	989.44	
08 33 23 11-0021 EA 8' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	1,732.70	157.18
<i>For Insulated, Add</i>	1,087.33	
08 33 23 11-0022 EA 8' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	1,864.36	157.18
<i>For Insulated, Add</i>	1,186.07	
08 33 23 11-0023 EA 10' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	1,683.46	157.18
<i>For Insulated, Add</i>	1,050.40	
08 33 23 11-0024 EA 10' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	1,781.88	157.18
<i>For Insulated, Add</i>	1,124.21	
08 33 23 11-0025 EA 10' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	1,919.55	176.84
<i>For Insulated, Add</i>	1,200.97	
08 33 23 11-0026 EA 10' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,061.40	176.84
<i>For Insulated, Add</i>	1,307.36	
08 33 23 11-0027 EA 12' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	1,851.66	176.84
<i>For Insulated, Add</i>	1,150.05	
08 33 23 11-0028 EA 12' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,005.01	196.48
<i>For Insulated, Add</i>	1,238.52	
08 33 23 11-0029 EA 12' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,217.30	245.60
<i>For Insulated, Add</i>	1,331.42	
08 33 23 11-0030 EA 12' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,424.49	245.60
<i>For Insulated, Add</i>	1,486.81	
08 33 23 11-0031 EA 14' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,402.92	245.60
<i>For Insulated, Add</i>	1,470.64	
08 33 23 11-0032 EA 14' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,640.26	245.60
<i>For Insulated, Add</i>	1,648.64	
08 33 23 11-0033 EA 14' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,892.00	245.60
<i>For Insulated, Add</i>	1,837.45	
<b>08 33 23 11-0034 22 Gauge Galvanized Steel Overhead Coiling Doors</b> <small>(08 33 23 11-0001)</small>		
<small>Note: With curtain hood (barrel cover).</small>		
08 33 23 11-0035 EA 4' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	1,311.58	117.89
<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	161.37	
<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	268.96	
<i>For Insulated, Add</i>	824.55	
08 33 23 11-0036 EA 4' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	1,438.84	127.71
<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	177.51	
<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	295.85	
<i>For Insulated, Add</i>	906.71	
08 33 23 11-0037 EA 4' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	1,529.57	137.53
<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	188.17	
<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	313.62	
<i>For Insulated, Add</i>	961.48	
08 33 23 11-0038 EA 6' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	1,451.59	127.71
<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	179.42	
<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	299.04	
<i>For Insulated, Add</i>	916.28	
08 33 23 11-0039 EA 6' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	1,590.88	137.53
<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	197.37	
<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	328.94	
<i>For Insulated, Add</i>	1,007.46	
08 33 23 11-0040 EA 6' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	1,740.05	157.18
<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	213.85	
<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	356.42	
<i>For Insulated, Add</i>	1,092.84	

**08 Openings****08 30 Specialty Doors And Frames****08 33 Coiling Doors And Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0041	EA		6' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,117.60	176.84
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	264.60	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	440.99	
			<i>For Insulated, Add</i>	1,349.50	
08 33 23 11-0042	EA		6' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,495.20	196.48
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	315.34	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	525.56	
			<i>For Insulated, Add</i>	1,606.16	
08 33 23 11-0043	EA		8' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	1,578.30	127.71
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	198.43	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	330.72	
			<i>For Insulated, Add</i>	1,011.31	
08 33 23 11-0044	EA		8' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	1,769.53	157.18
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	218.27	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	363.79	
			<i>For Insulated, Add</i>	1,114.95	
08 33 23 11-0045	EA		8' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	1,968.45	196.48
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	236.33	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	393.88	
			<i>For Insulated, Add</i>	1,211.10	
08 33 23 11-0046	EA		8' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,330.85	216.13
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	284.80	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	474.66	
			<i>For Insulated, Add</i>	1,456.40	
08 33 23 11-0047	EA		8' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,693.42	235.77
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	333.27	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	555.45	
			<i>For Insulated, Add</i>	1,701.71	
08 33 23 11-0048	EA		10' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,001.65	201.39
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	239.83	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	399.72	
			<i>For Insulated, Add</i>	1,229.35	
08 33 23 11-0049	EA		10' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,268.30	245.60
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	266.57	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	444.28	
			<i>For Insulated, Add</i>	1,369.67	
08 33 23 11-0050	EA		10' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,704.62	294.72
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	317.30	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	528.83	
			<i>For Insulated, Add</i>	1,630.68	
08 33 23 11-0051	EA		10' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,160.78	353.66
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	368.03	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	613.38	
			<i>For Insulated, Add</i>	1,893.18	
08 33 23 11-0052	EA		10' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,615.78	432.26
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	412.65	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	687.75	
			<i>For Insulated, Add</i>	2,128.11	
08 33 23 11-0053	EA		10' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,991.28	471.55
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	457.27	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	762.12	
			<i>For Insulated, Add</i>	2,357.08	
08 33 23 11-0054	EA		10' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,367.17	510.84
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	501.90	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	836.50	
			<i>For Insulated, Add</i>	2,586.07	
08 33 23 11-0055	EA		10' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,742.31	550.14
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	546.33	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	910.55	
			<i>For Insulated, Add</i>	2,814.17	
08 33 23 11-0056	EA		12' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,260.70	235.77
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	268.36	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	447.27	
			<i>For Insulated, Add</i>	1,377.17	
08 33 23 11-0057	EA		12' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	2,563.26	294.72
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	296.09	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	493.49	
			<i>For Insulated, Add</i>	1,524.66	
08 33 23 11-0058	EA		12' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,089.66	334.01
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	363.27	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	605.46	
			<i>For Insulated, Add</i>	1,866.45	
08 33 23 11-0059	EA		12' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,655.60	392.95
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	430.45	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	717.42	
			<i>For Insulated, Add</i>	2,211.20	
08 33 23 11-0060	EA		12' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,198.18	471.55
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	488.31	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	813.85	
			<i>For Insulated, Add</i>	2,512.25	
08 33 23 11-0061	EA		12' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,662.29	510.84
			<i>For 20 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	546.17	
			<i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i>	910.28	
			<i>For Insulated, Add</i>	2,807.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0062 EA 12' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	5,166.48	569.79
For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	604.02	
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	1,006.70	
For Insulated, Add	3,105.58	
08 33 23 11-0063 EA 12' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	5,670.38	628.73
For 20 Gauge Galvanized Steel Overhead Coiling Door, Add	661.88	
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	1,103.13	
For Insulated, Add	3,403.72	
<b>08 33 23 11-0064 20 Gauge Galvanized Steel Overhead Coiling Doors</b> (08 33 23 11-0001)		
Note: With curtain hood (barrel cover)		
08 33 23 11-0065 EA 14' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	2,875.66	294.72
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	342.95	
For Insulated, Add	1,758.96	
08 33 23 11-0066 EA 14' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	3,264.62	334.01
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	389.52	
For Insulated, Add	1,997.67	
08 33 23 11-0067 EA 14' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	3,736.29	373.31
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	448.47	
For Insulated, Add	2,298.33	
08 33 23 11-0068 EA 14' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	4,156.72	412.61
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	499.68	
For Insulated, Add	2,560.30	
08 33 23 11-0069 EA 14' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	4,683.16	491.19
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	555.12	
For Insulated, Add	2,849.26	
08 33 23 11-0070 EA 14' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	5,130.73	530.50
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	610.47	
For Insulated, Add	3,131.94	
08 33 23 11-0071 EA 14' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	6,175.99	589.43
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	749.50	
For Insulated, Add	3,835.93	
08 33 23 11-0072 EA 14' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	7,219.49	648.38
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	888.52	
For Insulated, Add	4,539.79	
08 33 23 11-0073 EA 16' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	3,566.59	353.66
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	428.90	
For Insulated, Add	2,197.54	
08 33 23 11-0074 EA 16' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	4,011.20	392.95
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	483.79	
For Insulated, Add	2,477.90	
08 33 23 11-0075 EA 16' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	4,444.77	451.90
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	531.15	
For Insulated, Add	2,723.54	
08 33 23 11-0076 EA 16' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	4,892.46	510.84
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	580.69	
For Insulated, Add	2,980.04	
08 33 23 11-0077 EA 16' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	5,343.49	550.14
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	636.51	
For Insulated, Add	3,265.05	
08 33 23 11-0078 EA 16' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	5,873.96	589.43
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	704.19	
For Insulated, Add	3,609.41	
08 33 23 11-0079 EA 16' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	6,686.21	628.73
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	814.25	
For Insulated, Add	4,165.60	
08 33 23 11-0080 EA 16' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	7,506.29	668.03
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	925.46	
For Insulated, Add	4,727.52	
08 33 23 11-0081 EA 18' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	3,858.78	432.26
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	449.10	
For Insulated, Add	2,310.36	
08 33 23 11-0082 EA 18' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	4,254.55	471.55
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	496.76	
For Insulated, Add	2,554.53	
08 33 23 11-0083 EA 18' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	4,888.84	530.50
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	574.19	
For Insulated, Add	2,950.52	
08 33 23 11-0084 EA 18' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	5,426.23	589.43
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	637.03	
For Insulated, Add	3,273.61	
08 33 23 11-0085 EA 18' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	5,927.59	628.73
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	700.46	
For Insulated, Add	3,596.63	
08 33 23 11-0086 EA 18' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	6,429.65	668.03
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	763.96	
For Insulated, Add	3,920.04	
08 33 23 11-0087 EA 18' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	7,384.02	707.32
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	895.27	
For Insulated, Add	4,582.51	
08 33 23 11-0088 EA 18' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift .....	8,359.99	746.61
For 18 Gauge Galvanized Steel Overhead Coiling Door, Add	1,030.05	
For Insulated, Add	5,262.22	

**08 Openings**  
**08 30 Specialty Doors And Frames**  
**08 33 Coiling Doors And Grilles**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0089	EA		20' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	4,347.99 510.78 2,624.61	471.55
08 33 23 11-0090	EA		20' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 18 Gauge Galvanized Steel Overhead Coiling Door, Add</i> <i>For Insulated, Add</i>	5,117.32 614.42 3,148.69	510.84
<b>08 33 23 11-0091</b>			<b>18 Gauge Galvanized Steel Overhead Coiling Doors</b> (08 33 23 11-0001) Note: With curtain hood (barrel cover).		
08 33 23 11-0092	EA		20' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	6,123.16 3,823.09	569.79
08 33 23 11-0093	EA		20' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	6,975.26 4,408.72	609.08
08 33 23 11-0094	EA		20' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	7,962.73 5,096.07	648.38
08 33 23 11-0095	EA		20' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	9,078.22 5,879.93	687.68
08 33 23 11-0096	EA		20' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	10,198.96 6,668.28	726.97
08 33 23 11-0097	EA		20' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	11,342.98 7,472.74	766.27
08 33 23 11-0098	EA		22' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	4,879.64 2,970.43	510.84
08 33 23 11-0099	EA		22' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	5,778.67 3,591.44	550.14
08 33 23 11-0100	EA		22' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	6,864.31 4,325.51	609.08
08 33 23 11-0101	EA		22' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	7,995.41 5,121.73	648.38
08 33 23 11-0102	EA		22' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	9,133.24 5,921.20	687.68
08 33 23 11-0103	EA		22' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	10,396.84 6,816.69	726.97
08 33 23 11-0104	EA		22' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	11,666.67 7,715.50	766.27
08 33 23 11-0105	EA		22' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	12,926.49 8,607.79	805.56
08 33 23 11-0106	EA		24' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	5,360.93 3,278.13	550.14
08 33 23 11-0107	EA		24' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	6,000.81 3,704.55	589.43
08 33 23 11-0108	EA		24' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	7,454.33 4,715.92	648.38
08 33 23 11-0109	EA		24' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	8,728.11 5,617.35	687.68
08 33 23 11-0110	EA		24' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	9,946.84 6,479.19	726.97
08 33 23 11-0111	EA		24' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	11,294.88 7,436.66	766.27
08 33 23 11-0112	EA		24' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	12,878.45 8,571.76	805.56
08 33 23 11-0113	EA		24' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For Insulated, Add</i>	14,507.48 9,739.27	844.85
<b>08 33 23 11-0114</b>			<b>Aluminum Overhead Coiling Doors (Width x Height)</b> (08 33 23 11) Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
<b>08 33 23 11-0115</b>			<b>0.04" Aluminum Overhead Coiling Doors</b> (08 33 23 11-0114)		
08 33 23 11-0116	EA		4' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	1,373.26	117.89
08 33 23 11-0117	EA		4' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	1,504.46	127.71
08 33 23 11-0118	EA		4' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	1,940.26	137.53
08 33 23 11-0119	EA		6' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	1,729.84	127.71
08 33 23 11-0120	EA		6' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	1,887.48	137.53
08 33 23 11-0121	EA		6' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,064.76	157.18
08 33 23 11-0122	EA		6' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,283.41	176.84
08 33 23 11-0123	EA		6' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,505.12	196.48
08 33 23 11-0124	EA		8' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	1,900.13	127.71
08 33 23 11-0125	EA		8' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,145.82	157.18
08 33 23 11-0126	EA		8' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,414.06	196.48
08 33 23 11-0127	EA		8' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,632.91	216.13
08 33 23 11-0128	EA		8' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,852.91	235.77
08 33 23 11-0129	EA		10' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,448.36	206.30
08 33 23 11-0130	EA		10' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,712.31	245.60
08 33 23 11-0131	EA		10' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,039.05	294.72
08 33 23 11-0132	EA		10' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,386.91	353.66
08 33 23 11-0133	EA		10' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,937.56	432.26
08 33 23 11-0134	EA		10' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,408.61	471.55
08 33 23 11-0135	EA		10' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,876.29	510.84
08 33 23 11-0136	EA		10' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	5,345.59	550.14
08 33 23 11-0137	EA		12' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	2,688.10	235.77
08 33 23 11-0138	EA		12' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,253.52	294.72



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	11-0139	EA	12' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	3,680.99	334.01
08 33 23	11-0140	EA	12' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,150.11	392.95
08 33 23	11-0141	EA	12' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	4,782.50	471.55
08 33 23	11-0142	EA	12' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	5,338.22	510.84
08 33 23	11-0143	EA	12' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	5,671.34	569.79
08 33 23	11-0144	EA	12' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift.....	6,006.60	628.73
<b>08 33 23 11-0145 0.05" Aluminum Overhead Coiling Doors (08 33 23 11-0114)</b>					
08 33 23	11-0146	EA	14' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	3,080.66	294.72
08 33 23	11-0147	EA	14' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	3,657.45	334.01
08 33 23	11-0148	EA	14' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	4,222.61	373.31
08 33 23	11-0149	EA	14' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	4,740.93	412.61
08 33 23	11-0150	EA	14' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	5,375.43	491.19
08 33 23	11-0151	EA	14' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	5,931.55	530.50
08 33 23	11-0152	EA	14' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,537.95	589.43
08 33 23	11-0153	EA	14' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,142.70	648.38
08 33 23	11-0154	EA	16' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	3,648.25	353.66
08 33 23	11-0155	EA	16' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	4,253.18	392.95
08 33 23	11-0156	EA	16' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	4,870.75	451.90
08 33 23	11-0157	EA	16' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	5,507.09	510.84
08 33 23	11-0158	EA	16' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,157.99	550.14
08 33 23	11-0159	EA	16' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,853.43	589.43
08 33 23	11-0160	EA	16' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,512.75	628.73
08 33 23	11-0161	EA	16' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,126.60	668.03
08 33 23	11-0162	EA	18' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	4,131.55	432.26
08 33 23	11-0163	EA	18' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	4,781.53	471.55
08 33 23	11-0164	EA	18' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	5,538.52	530.50
08 33 23	11-0165	EA	18' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,284.39	589.43
08 33 23	11-0166	EA	18' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,999.75	628.73
08 33 23	11-0167	EA	18' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,709.43	668.03
08 33 23	11-0168	EA	18' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,417.87	707.32
08 33 23	11-0169	EA	18' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,130.66	746.61
08 33 23	11-0170	EA	20' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	4,651.80	471.55
08 33 23	11-0171	EA	20' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	5,315.45	510.84
08 33 23	11-0172	EA	20' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,411.29	569.79
08 33 23	11-0173	EA	20' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,068.37	609.08
08 33 23	11-0174	EA	20' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,862.00	648.38
08 33 23	11-0175	EA	20' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,684.83	687.68
08 33 23	11-0176	EA	20' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,457.97	726.97
08 33 23	11-0177	EA	20' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	10,264.10	766.27
08 33 23	11-0178	EA	22' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	5,389.16	510.84
08 33 23	11-0179	EA	22' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,216.94	550.14
08 33 23	11-0180	EA	22' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,190.72	609.08
08 33 23	11-0181	EA	22' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,103.75	648.38
08 33 23	11-0182	EA	22' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,018.00	687.68
08 33 23	11-0183	EA	22' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,940.04	726.97
08 33 23	11-0184	EA	22' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	10,808.06	766.27
08 33 23	11-0185	EA	22' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	11,681.99	805.56
08 33 23	11-0186	EA	24' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	5,923.57	550.14
08 33 23	11-0187	EA	24' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	6,452.44	589.43
08 33 23	11-0188	EA	24' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	7,810.40	648.38
08 33 23	11-0189	EA	24' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	8,846.98	687.68
08 33 23	11-0190	EA	24' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	9,820.63	726.97
08 33 23	11-0191	EA	24' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	10,796.28	766.27
08 33 23	11-0192	EA	24' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	11,923.76	805.56
08 33 23	11-0193	EA	24' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift.....	13,098.00	844.85
<b>08 33 23 11-0194 Overhead Coiling Door Accessories (08 33 23 11)</b>					
08 33 23	11-0195	LF	Bottom Of Door, Weather Strip Seal For Coiling Doors, Astragal Only.....	2.24	0.49
08 33 23	11-0196	LF	Top Of Door (Lintel), Weather Strip Seal For Coiling Doors.....	18.29	0.59
08 33 23	11-0197	LF	Side Of Door (Guides), Weather Strip Seal For Coiling Doors.....	17.41	0.59
08 33 23	11-0198	EA	Cylinder Lock For Coiling Doors.....	167.01	24.56
08 33 23	11-0199	EA	Up To 12' x 12' Opening, Jackshaft Operator For Coiling Doors And Grilles..... Note: Includes three button inside station controls and mounting hardware.	1,337.15	78.59
08 33 23	11-0200	EA	>12' x 12' To 18' x 18' Opening, Jackshaft Operator For Coiling Doors And Grilles..... Note: Includes three button inside station controls and mounting hardware.	1,501.54	78.59
08 33 23	11-0201	EA	>18' x 18' Opening, Jackshaft Operator For Coiling Doors And Grilles..... Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	2,624.71	27.53
08 33 23	11-0202	LF	Safety Edge Bottom Bar Obstruction Detection Device, Electric For Coiling Doors And Grilles.....	75.36	
08 33 23	11-0203	EA	Remote Transmitter Kit For Coiling Door Operators.....	199.82	39.29
<b>08 33 23 11-0204 Removal And Reinstallation Of Roll-Up Door And Support (08 33 23 11)</b>					
Note: Includes storage, cleaning and supply materials.					
08 33 23	11-0205	SF	Removal And Reinstallation Of Metal Roll-up Door And Supports.....	8.67	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**08 33 23 13 Overhead Rapid Coiling Doors (08 33 23)**

Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-1012 for forklift.

08 33 23 13-0001	EA	32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13)		
		Note: Door panel is 32 ounce vinyl. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Manual drive system.		
08 33 23 13-0002	EA	32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0001)		
08 33 23 13-0003	EA	5' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)		
08 33 23 13-0004	EA	5' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	3,144.65	143.82
08 33 23 13-0005	EA	5' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	3,317.69	150.50
08 33 23 13-0006	EA	5' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	3,489.50	157.18
08 33 23 13-0007	EA	5' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	3,660.07	163.86
08 33 23 13-0008	EA	5' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	3,833.12	170.54
08 33 23 13-0009	EA	5' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,004.92	177.22
08 33 23 13-0010	EA	6' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)		
08 33 23 13-0011	EA	6' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	3,317.69	150.50
08 33 23 13-0012	EA	6' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	3,489.50	157.18
08 33 23 13-0013	EA	6' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	3,660.07	163.86
08 33 23 13-0014	EA	6' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	3,833.12	170.54
08 33 23 13-0015	EA	6' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,004.92	177.22
08 33 23 13-0016	EA	6' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,176.73	183.90
08 33 23 13-0017	EA	7' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)		
08 33 23 13-0018	EA	7' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	3,489.50	157.18
08 33 23 13-0019	EA	7' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	3,660.07	163.86
08 33 23 13-0020	EA	7' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	3,833.12	170.54
08 33 23 13-0021	EA	7' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,004.92	177.22
08 33 23 13-0022	EA	7' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,176.73	183.90
08 33 23 13-0023	EA	7' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,349.76	190.58
08 33 23 13-0024	EA	8' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)		
08 33 23 13-0025	EA	8' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	3,660.07	163.86
08 33 23 13-0026	EA	8' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	3,833.12	170.54
08 33 23 13-0027	EA	8' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,004.92	177.22
08 33 23 13-0028	EA	8' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,176.73	183.90
08 33 23 13-0029	EA	8' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,349.76	190.58
08 33 23 13-0030	EA	8' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,520.33	197.26
08 33 23 13-0031	EA	9' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)		
08 33 23 13-0032	EA	9' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	3,833.12	170.54
08 33 23 13-0033	EA	9' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,004.92	177.22
08 33 23 13-0034	EA	9' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,176.73	183.90
08 33 23 13-0035	EA	9' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,349.76	190.58
08 33 23 13-0036	EA	9' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,520.33	197.26
08 33 23 13-0037	EA	9' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,693.39	203.94
08 33 23 13-0038	EA	10' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)		
08 33 23 13-0039	EA	10' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,004.92	177.22
08 33 23 13-0040	EA	10' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,176.73	183.90
08 33 23 13-0041	EA	10' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,349.76	190.58
08 33 23 13-0042	EA	10' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,520.33	197.26
08 33 23 13-0043	EA	10' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,693.39	203.94
08 33 23 13-0044	EA	10' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	4,865.20	210.62
08 33 23 13-0045	EA	Rytec® Bantam® Door Options (08 33 23 13-0001)		
08 33 23 13-0046	SF	Upgrade To 2-Ply Rilon Panel Material For Rytec® Bantam® High-Speed Rolling Doors	7.74	
08 33 23 13-0047	SF	Upgrade To 3-Ply Rilon Panel Material For Rytec® Bantam® High-Speed Rolling Doors	17.02	
08 33 23 13-0048	LF	31" High Full Vision Panel For Rytec® Bantam® High-Speed Rolling Doors	24.76	
		Note: Multiply linear foot price x width of door.		
08 33 23 13-0049	EA	Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Bantam® High-Speed Rolling Doors	235.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0050 EA Roll Cover For Rytec® Bantam® High-Speed Rolling Doors .....	410.65	19.65
08 33 23 13-0051 EA Motor Cover For Rytec® Bantam® High-Speed Rolling Doors .....	410.65	19.65
08 33 23 13-0052 EA Motor Operator For Rytec® Bantam® High-Speed Rolling Doors .....	1,842.55	39.29
Note: Includes open/close/stop pushbutton, pneumatic reversing edge and coil cord.		
08 33 23 13-0053 EA Additional NEMA 4 Pushbutton Control For Rytec® Bantam® Motor Operator.....	200.21	19.65
Note: Includes open/close/stop control.		
08 33 23 13-0054 EA Auto Close Feature For Rytec® Bantam® Motor Operator .....	194.02	19.65
<b>08 33 23 13-0055</b>	<b>2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0055)</b>	
Note: Rytec® PredaDoor® PD5500. Door panel is 2-ply multi-filament Rilon. Includes full width vision panel. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Drive system is a 3 phase, variable-speed AC Drive with brake and absolute encoder. Opens at 50" per second and closes at 21" per second.		
<b>08 33 23 13-0056</b>	<b>2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0056)</b>	
<b>08 33 23 13-0057</b>	<b>6' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0057)</b>	
08 33 23 13-0058 EA 6' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,267.75	157.18
08 33 23 13-0059 EA 6' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,425.52	163.86
08 33 23 13-0060 EA 6' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,609.66	170.54
08 33 23 13-0061 EA 6' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,871.74	177.22
08 33 23 13-0062 EA 6' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,139.55	183.90
08 33 23 13-0063 EA 6' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,599.91	190.58
08 33 23 13-0064 EA 6' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,922.74	197.26
<b>08 33 23 13-0065</b>	<b>7' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0065)</b>	
08 33 23 13-0066 EA 7' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,463.35	163.86
08 33 23 13-0067 EA 7' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,668.12	170.54
08 33 23 13-0068 EA 7' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,929.05	177.22
08 33 23 13-0069 EA 7' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,206.03	183.90
08 33 23 13-0070 EA 7' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,575.84	190.58
08 33 23 13-0071 EA 7' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,024.75	197.26
08 33 23 13-0072 EA 7' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,376.24	203.94
<b>08 33 23 13-0073</b>	<b>8' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0073)</b>	
08 33 23 13-0074 EA 8' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,704.80	170.54
08 33 23 13-0075 EA 8' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	10,964.58	177.22
08 33 23 13-0076 EA 8' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,253.02	183.90
08 33 23 13-0077 EA 8' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,634.30	190.58
08 33 23 13-0078 EA 8' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,976.61	197.26
08 33 23 13-0079 EA 8' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,466.79	203.94
08 33 23 13-0080 EA 8' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,866.41	210.62
<b>08 33 23 13-0081</b>	<b>9' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0081)</b>	
08 33 23 13-0082 EA 9' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,002.41	177.22
08 33 23 13-0083 EA 9' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,288.56	183.90
08 33 23 13-0084 EA 9' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,669.83	190.58
08 33 23 13-0085 EA 9' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,023.60	197.26
08 33 23 13-0086 EA 9' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,395.72	203.94
08 33 23 13-0087 EA 9' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,782.74	210.62
08 33 23 13-0088 EA 9' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,208.72	217.30
<b>08 33 23 13-0089</b>	<b>10' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0089)</b>	
08 33 23 13-0090 EA 10' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,318.36	183.90
08 33 23 13-0091 EA 10' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,707.65	190.58
08 33 23 13-0092 EA 10' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,057.99	197.26
08 33 23 13-0093 EA 10' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,433.55	203.94
08 33 23 13-0094 EA 10' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,851.51	210.62
08 33 23 13-0095 EA 10' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,924.47	217.30
08 33 23 13-0096 EA 10' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,645.02	223.98
<b>08 33 23 13-0097</b>	<b>11' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) (08 33 23 13-0097)</b>	
08 33 23 13-0098 EA 11' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	11,729.43	190.58
08 33 23 13-0099 EA 11' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,088.93	197.26
08 33 23 13-0100 EA 11' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,469.08	203.94
08 33 23 13-0101 EA 11' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,888.18	210.62
08 33 23 13-0102 EA 11' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,158.29	217.30



<b>08</b>	<b>Openings</b>
<b>08 30</b>	<b>Specialty Doors And Frames</b>
<b>08 33</b>	<b>Coiling Doors And Grilles</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0103	EA		11' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,706.91	223.98
08 33 23 13-0104	EA		11' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,153.52	230.66
<b>08 33 23 13-0105</b>			<b>12' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)</b> (08 33 23 13-0056)		
08 33 23 13-0106	EA		12' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,099.25	197.26
08 33 23 13-0107	EA		12' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,489.71	203.94
08 33 23 13-0108	EA		12' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	12,916.84	210.62
08 33 23 13-0109	EA		12' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,197.26	217.30
08 33 23 13-0110	EA		12' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	13,570.52	223.98
08 33 23 13-0111	EA		12' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,206.25	230.66
08 33 23 13-0112	EA		12' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	14,643.69	237.35
<b>08 33 23 13-0113</b>			<b>Rytec® PredaDoor® Door Options</b> (08 33 23 13-0055)		
08 33 23 13-0114	EA		Up To 10' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors.....	372.51	39.29
08 33 23 13-0115	EA		>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors.....	618.93	39.29
08 33 23 13-0116	SF		Upgrade To 3-Ply Rilon Panel Material For Rytec® PredaDoor® High-Speed Rolling Doors.....	9.28	
<b>08 33 23 13-0117</b>			<b>3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> (08 33 23 13-0117) Note: Rytec® Fast-Seal® FS1000. Door panel is heavy-duty 3-ply multi-filament Rilon. Independent opening and closing speeds up to 50" per second. Side frames are fully bolted together, reinforced with front and rear wind bar guides and full height vinyl weather seal on either side of the door panel. Counterbalance system consists of guided counterweights custom-sized to provide to provide proper balancing of each door system. The independent tension system maintains constant panel tensioning. The drive system is a 3 phase, variable speed AC drive motor with brake and absolute encoder. Bottom bar breaks away in either direction without damage to the bar, safety astragal, or side covers.		
<b>08 33 23 13-0118</b>			<b>3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> (08 33 23 13-0117)		
<b>08 33 23 13-0119</b>			<b>8' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> (08 33 23 13-0118)		
08 33 23 13-0120	EA		8' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	15,094.44	235.77
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
			For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
			For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0121	EA		8' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	15,796.65	242.45
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
			For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
			For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0122	EA		8' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	16,404.87	249.13
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
			For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
			For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0123	EA		8' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	17,061.24	255.82
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
			For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
			For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0124	EA		8' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	17,809.29	262.50
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
			For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
			For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0125	EA		8' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	18,188.28	269.18
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
			For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
			For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0126	EA		8' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	18,796.51	275.86
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
			For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
			For 316 Stainless Steel Side Frame Tower, Add	3,300.00	
08 33 23 13-0127	EA		8' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	20,331.91	353.66
			For NEMA 4X Control Box, Add	675.00	
			For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
			For AC Variable Speed Motor And Controls, Add	2,750.00	
			For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
			For 316 Stainless Steel Side Frame Tower, Add	3,300.00	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0128	EA			8' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	21,950.99 675.00 1,100.00 2,750.00 2,200.00 3,300.00	392.95
<b>08 33 23 13-0129      9' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)</b>						
08 33 23 13-0130	EA			9' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	15,796.65 675.00 1,100.00 2,750.00 3,300.00 4,950.00	242.45
08 33 23 13-0131	EA			9' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	16,404.87 675.00 1,100.00 2,750.00 3,300.00 4,950.00	249.13
08 33 23 13-0132	EA			9' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	17,061.24 675.00 1,100.00 2,750.00 3,300.00 4,950.00	255.82
08 33 23 13-0133	EA			9' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	17,809.29 675.00 1,100.00 2,750.00 3,300.00 4,950.00	262.50
08 33 23 13-0134	EA			9' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	18,188.28 675.00 1,100.00 2,750.00 3,300.00 4,950.00	269.18
08 33 23 13-0135	EA			9' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	18,796.51 675.00 1,100.00 2,750.00 3,300.00 4,950.00	275.86
08 33 23 13-0136	EA			9' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	19,589.27 675.00 1,100.00 2,750.00 3,300.00 4,950.00	282.54
<b>08 33 23 13-0137      10' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)</b>						
08 33 23 13-0138	EA			10' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	16,404.87 675.00 1,100.00 2,750.00 3,300.00 4,950.00	249.13
08 33 23 13-0139	EA			10' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	17,061.24 675.00 1,100.00 2,750.00 3,300.00 4,950.00	255.82
08 33 23 13-0140	EA			10' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	17,809.29 675.00 1,100.00 2,750.00 3,300.00 4,950.00	262.50
08 33 23 13-0141	EA			10' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	18,188.28 675.00 1,100.00 2,750.00 3,300.00 4,950.00	269.18

<b>08</b>	<b>Openings</b>
<b>08 30</b>	<b>Specialty Doors And Frames</b>
<b>08 33</b>	<b>Coiling Doors And Grilles</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0142	EA		10' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	18,796.51	275.86
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
08 33 23 13-0143	EA		10' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	19,589.27	282.54
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
08 33 23 13-0144	EA		10' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	20,336.19	289.22
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
08 33 23 13-0145	EA		10' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	22,026.81	432.26
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
08 33 23 13-0146	EA		10' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	24,074.90	510.84
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
<b>08 33 23 13-0147 11' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> (08 33 23 13-0118)					
08 33 23 13-0148	EA		11' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	17,061.24	255.82
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00	
08 33 23 13-0149	EA		11' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	17,809.29	262.50
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00	
08 33 23 13-0150	EA		11' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	18,188.28	269.18
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00	
08 33 23 13-0151	EA		11' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	18,796.51	275.86
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00	
08 33 23 13-0152	EA		11' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	19,589.27	282.54
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00	
08 33 23 13-0153	EA		11' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	20,336.19	289.22
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00	
08 33 23 13-0154	EA		11' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	21,174.79	295.90
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	4,400.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	6,600.00	

**08 33 23 13-0155 12' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)** (08 33 23 13-0118)



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0156	EA		12' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	17,809.29 675.00 1,100.00 2,750.00 4,400.00 6,600.00	262.50
08 33 23	13-0157	EA		12' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	18,188.28 675.00 1,100.00 2,750.00 4,400.00 6,600.00	269.18
08 33 23	13-0158	EA		12' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	18,796.51 675.00 1,100.00 2,750.00 4,400.00 6,600.00	275.86
08 33 23	13-0159	EA		12' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	19,589.27 675.00 1,100.00 2,750.00 4,400.00 6,600.00	282.54
08 33 23	13-0160	EA		12' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	20,336.19 675.00 1,100.00 2,750.00 4,400.00 6,600.00	289.22
08 33 23	13-0161	EA		12' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	21,174.79 675.00 1,100.00 2,750.00 4,400.00 6,600.00	295.90
08 33 23	13-0162	EA		12' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	21,769.26 675.00 1,100.00 2,750.00 4,400.00 6,600.00	302.58
08 33 23	13-0163	EA		12' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	23,996.19 675.00 1,100.00 2,750.00 4,400.00 6,600.00	471.55
08 33 23	13-0164	EA		12' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	26,210.25 675.00 1,100.00 2,750.00 4,400.00 6,600.00	550.14
08 33 23	13-0165			<b>13' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		
08 33 23	13-0166	EA		13' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	18,660.51 675.00 1,100.00 2,750.00 5,480.00 7,370.00	269.18
08 33 23	13-0167	EA		13' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	19,446.39 675.00 1,100.00 2,750.00 5,480.00 7,370.00	275.86
08 33 23	13-0168	EA		13' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	20,189.86 675.00 1,100.00 2,750.00 5,480.00 7,370.00	282.54
08 33 23	13-0169	EA		13' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	21,058.28 675.00 1,100.00 2,750.00 5,480.00 7,370.00	289.22

<b>08</b>	<b>Openings</b>
<b>08 30</b>	<b>Specialty Doors And Frames</b>
<b>08 33</b>	<b>Coiling Doors And Grilles</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0170	EA		13' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	21,923.24	295.90
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00	
08 33 23 13-0171	EA		13' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	22,557.83	302.58
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00	
08 33 23 13-0172	EA		13' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	23,033.10	309.26
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00	
<b>08 33 23 13-0173 14' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)</b>					
08 33 23 13-0174	EA		14' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	19,446.39	275.86
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00	
08 33 23 13-0175	EA		14' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	20,189.86	282.54
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00	
08 33 23 13-0176	EA		14' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	21,058.28	289.22
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00	
08 33 23 13-0177	EA		14' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	21,923.24	295.90
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00	
08 33 23 13-0178	EA		14' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	22,557.83	302.58
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00	
08 33 23 13-0179	EA		14' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	23,033.10	309.26
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00	
08 33 23 13-0180	EA		14' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	23,753.65	315.94
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00	
08 33 23 13-0181	EA		14' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	26,206.50	510.84
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00	
08 33 23 13-0182	EA		14' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	29,253.05	569.79
			<i>For NEMA 4X Control Box, Add</i>	675.00	
			<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
			<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
			<i>For 304 Stainless Steel Side Frame Tower, Add</i>	5,480.00	
			<i>For 316 Stainless Steel Side Frame Tower, Add</i>	7,370.00	

**08 33 23 13-0183 16' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)**



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0184	EA			16' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	21,224.76 675.00 1,100.00 2,750.00 6,070.00 7,790.00	373.31
08 33 23 13-0185	EA			16' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	22,135.44 675.00 1,100.00 2,750.00 6,070.00 7,790.00	402.78
08 33 23 13-0186	EA			16' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	22,815.33 675.00 1,100.00 2,750.00 6,070.00 7,790.00	432.26
08 33 23 13-0187	EA			16' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	23,315.76 675.00 1,100.00 2,750.00 6,070.00 7,790.00	451.90
08 33 23 13-0188	EA			16' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	24,066.74 675.00 1,100.00 2,750.00 6,070.00 7,790.00	471.55
08 33 23 13-0189	EA			16' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	26,239.52 675.00 1,100.00 2,750.00 6,070.00 7,790.00	526.56
08 33 23 13-0190	EA			16' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	29,294.34 675.00 1,100.00 2,750.00 6,070.00 7,790.00	589.43
08 33 23 13-0191	EA			16' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	32,192.56 675.00 1,100.00 2,750.00 6,070.00 7,790.00	628.73
<b>08 33 23 13-0192</b>				<b>18' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>		
08 33 23 13-0193	EA			18' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	23,055.47 675.00 1,100.00 2,750.00 6,720.00 8,230.00	432.26
08 33 23 13-0194	EA			18' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	24,075.83 675.00 1,100.00 2,750.00 6,720.00 8,230.00	471.55
08 33 23 13-0195	EA			18' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	25,188.98 675.00 1,100.00 2,750.00 6,720.00 8,230.00	510.84
08 33 23 13-0196	EA			18' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	26,253.90 675.00 1,100.00 2,750.00 6,720.00 8,230.00	530.50
08 33 23 13-0197	EA			18' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	27,367.65 675.00 1,100.00 2,750.00 6,720.00 8,230.00	550.14

<b>08</b>	<b>Openings</b>
<b>08 30</b>	<b>Specialty Doors And Frames</b>
<b>08 33</b>	<b>Coiling Doors And Grilles</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0198 EA 18' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	28,967.45 675.00 1,100.00 2,750.00 6,720.00 8,230.00	589.43
08 33 23 13-0199 EA 18' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	30,606.00 675.00 1,100.00 2,750.00 6,720.00 8,230.00	628.73
08 33 23 13-0200 EA 18' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	32,278.82 675.00 1,100.00 2,750.00 6,720.00 8,230.00	668.03
08 33 23 13-0201 EA 18' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	35,056.63 675.00 1,100.00 2,750.00 6,720.00 8,230.00	707.32
<b>08 33 23 13-0202 Rytec® Fast-Seal® Door Options</b> <small>(08 33 23 13-0117)</small>		
08 33 23 13-0203 LF Strapped Windbar For Rytec® Fast-Seal® High-Speed Rolling Doors ..... Note: Multiply linear foot price x width of door.	34.39	
08 33 23 13-0204 EA Up To 10' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors .....	372.51	
08 33 23 13-0205 EA >10' To 15' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors.....	618.93	
08 33 23 13-0206 EA >15' To 20' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors.....	910.20	
08 33 23 13-0207 EA One 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....	217.77	
08 33 23 13-0208 EA Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....	429.82	
Note: Door must be at least 90" wide.		
08 33 23 13-0209 EA Three 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....	544.43	
Note: Door must be at least 102" wide.		
08 33 23 13-0210 EA Four 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....	859.63	
Note: Door must be at least 136" wide.		
08 33 23 13-0211 EA One 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....	252.16	
08 33 23 13-0212 EA Two 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....	498.59	
Note: Door must be at least 108" wide.		
08 33 23 13-0213 EA Three 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....	618.93	
Note: Door must be at least 144" wide.		
08 33 23 13-0214 EA Four 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....	997.17	
Note: Door must be at least 192" wide.		
08 33 23 13-0215 EA Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 8' Or 10' .....	421.10	
<i>For 304 Stainless Steel, Add</i>	67.38	
<i>For 316 Stainless Steel, Add</i>	294.77	
08 33 23 13-0216 EA Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 12' Or 14' .....	547.43	
<i>For 304 Stainless Steel, Add</i>	87.59	
<i>For 316 Stainless Steel, Add</i>	383.20	
08 33 23 13-0217 EA Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 16' Or 18' .....	715.87	
<i>For 304 Stainless Steel, Add</i>	114.54	
<i>For 316 Stainless Steel, Add</i>	501.11	
08 33 23 13-0218 EA Through Wall Brake Release.....	128.10	
08 33 23 13-0219 EA Explosion Proof Upgrade Package: Control Box, Motor, Rotary Limit Switch, Photo-eyes, Safety Bar, Push Buttons .....	12,085.57	
<i>For NEMA 12 Control Box Mounted Outside Explosion Proof Area, Deduct</i>	-6,200.00	
<b>08 33 23 13-0220 Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®)</b> <small>(08 33 23 13)</small> Note: Door panels are double-walled aluminum slats that are 6" high x 1-3/16" thick. Width is variable. Side frames are galvanized steel with full height weather seal on both sides. There are extension springs in each column for counterbalance. The drive system is a 2 HP, 208,230/460 Volt, three-phase motor with variable speed AC drive. Opening and closing speeds up to 60" per second.		
<b>08 33 23 13-0221 Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®)</b> <small>(08 33 23 13-0220)</small>		
<b>08 33 23 13-0222 8' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)</b> <small>(08 33 23 13-0221)</small>		
08 33 23 13-0223 EA 8' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	21,575.06	314.37
08 33 23 13-0224 EA 8' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	22,208.50	321.05
08 33 23 13-0225 EA 8' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	22,841.94	327.73
08 33 23 13-0226 EA 8' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	23,476.53	334.41
08 33 23 13-0227 EA 8' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	24,109.97	341.09



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				08 33 23 13-0228 EA 8' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	24,743.41	347.77
				08 33 23 13-0229 EA 8' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	26,615.86	354.45
<b>08 33 23 13-0230</b>				<b>9' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)</b> <small>(08 33 23 13-0221)</small>		
				08 33 23 13-0231 EA 9' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	22,208.50	321.05
				08 33 23 13-0232 EA 9' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	22,841.94	327.73
				08 33 23 13-0233 EA 9' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	23,476.53	334.41
				08 33 23 13-0234 EA 9' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	24,109.97	341.09
				08 33 23 13-0235 EA 9' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	24,743.41	347.77
				08 33 23 13-0236 EA 9' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	25,376.85	354.45
				08 33 23 13-0237 EA 9' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	27,249.30	361.13
<b>08 33 23 13-0238</b>				<b>10' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)</b> <small>(08 33 23 13-0221)</small>		
				08 33 23 13-0239 EA 10' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	22,841.94	327.73
				08 33 23 13-0240 EA 10' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	23,476.53	334.41
				08 33 23 13-0241 EA 10' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	24,109.97	341.09
				08 33 23 13-0242 EA 10' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	24,743.41	347.77
				08 33 23 13-0243 EA 10' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	25,376.85	354.45
				08 33 23 13-0244 EA 10' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	26,010.29	361.13
				08 33 23 13-0245 EA 10' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	27,882.74	367.81
<b>08 33 23 13-0246</b>				<b>11' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)</b> <small>(08 33 23 13-0221)</small>		
				08 33 23 13-0247 EA 11' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	23,476.53	334.41
				08 33 23 13-0248 EA 11' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	24,109.97	341.09
				08 33 23 13-0249 EA 11' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	24,743.41	347.77
				08 33 23 13-0250 EA 11' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	25,376.85	354.45
				08 33 23 13-0251 EA 11' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	26,010.29	361.13
				08 33 23 13-0252 EA 11' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	26,643.73	367.81
				08 33 23 13-0253 EA 11' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	28,515.05	374.49
<b>08 33 23 13-0254</b>				<b>12' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)</b> <small>(08 33 23 13-0221)</small>		
				08 33 23 13-0255 EA 12' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	24,109.97	341.09
				08 33 23 13-0256 EA 12' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	24,743.41	347.77
				08 33 23 13-0257 EA 12' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	25,376.85	354.45
				08 33 23 13-0258 EA 12' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	26,010.29	361.13
				08 33 23 13-0259 EA 12' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	26,643.73	367.81
				08 33 23 13-0260 EA 12' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	27,277.18	374.49
				08 33 23 13-0261 EA 12' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	29,149.63	381.16
<b>08 33 23 13-0262</b>				<b>13' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)</b> <small>(08 33 23 13-0221)</small>		
				08 33 23 13-0263 EA 13' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	24,743.41	347.77
				08 33 23 13-0264 EA 13' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	25,376.85	354.45
				08 33 23 13-0265 EA 13' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	26,010.29	361.13
				08 33 23 13-0266 EA 13' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	26,643.73	367.81
				08 33 23 13-0267 EA 13' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	27,277.18	374.49
				08 33 23 13-0268 EA 13' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	27,910.62	381.16
				08 33 23 13-0269 EA 13' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	29,783.07	387.84
<b>08 33 23 13-0270</b>				<b>14' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)</b> <small>(08 33 23 13-0221)</small>		
				08 33 23 13-0271 EA 14' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	26,615.86	354.45
				08 33 23 13-0272 EA 14' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	27,249.30	361.13
				08 33 23 13-0273 EA 14' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	27,882.74	367.81
				08 33 23 13-0274 EA 14' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	28,515.05	374.49
				08 33 23 13-0275 EA 14' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	29,149.63	381.16
				08 33 23 13-0276 EA 14' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	29,783.07	387.84
				08 33 23 13-0277 EA 14' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	30,410.78	394.52
<b>08 33 23 13-0278</b>				<b>Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)</b> <small>(08 33 23 13-0220)</small>		
<b>08 33 23 13-0279</b>				<b>8' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)</b> <small>(08 33 23 13-0278)</small>		
				08 33 23 13-0280 EA 8' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	22,328.10	314.37
				08 33 23 13-0281 EA 8' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	22,819.41	321.05
				08 33 23 13-0282 EA 8' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	23,310.73	327.73



<b>08</b>	<b>Openings</b>
<b>08 30</b>	<b>Specialty Doors And Frames</b>
<b>08 33</b>	<b>Coiling Doors And Grilles</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0283	EA		8' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	23,799.75	334.41
08 33 23 13-0284	EA		8' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	24,291.06	341.09
08 33 23 13-0285	EA		8' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	24,782.38	347.77
08 33 23 13-0286	EA		8' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	30,050.94	354.45
<b>08 33 23 13-0287</b>			<b>9' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)</b> <small>(08 33 23 13-0278)</small>		
08 33 23 13-0288	EA		9' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	22,819.41	321.05
08 33 23 13-0289	EA		9' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	23,310.73	327.73
08 33 23 13-0290	EA		9' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	23,799.75	334.41
08 33 23 13-0291	EA		9' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	24,291.06	341.09
08 33 23 13-0292	EA		9' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	24,782.38	347.77
08 33 23 13-0293	EA		9' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	25,273.69	354.45
08 33 23 13-0294	EA		9' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	30,542.26	361.13
<b>08 33 23 13-0295</b>			<b>10' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)</b> <small>(08 33 23 13-0278)</small>		
08 33 23 13-0296	EA		10' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	23,310.73	327.73
08 33 23 13-0297	EA		10' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	23,799.75	334.41
08 33 23 13-0298	EA		10' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	24,291.06	341.09
08 33 23 13-0299	EA		10' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	24,782.38	347.77
08 33 23 13-0300	EA		10' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	25,273.69	354.45
08 33 23 13-0301	EA		10' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	25,765.01	361.13
08 33 23 13-0302	EA		10' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	31,033.57	367.81
<b>08 33 23 13-0303</b>			<b>11' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)</b> <small>(08 33 23 13-0278)</small>		
08 33 23 13-0304	EA		11' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	23,799.75	334.41
08 33 23 13-0305	EA		11' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	24,291.06	341.09
08 33 23 13-0306	EA		11' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	24,782.38	347.77
08 33 23 13-0307	EA		11' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	25,273.69	354.45
08 33 23 13-0308	EA		11' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	25,765.01	361.13
08 33 23 13-0309	EA		11' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	26,256.32	367.81
08 33 23 13-0310	EA		11' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	31,522.61	374.49
<b>08 33 23 13-0311</b>			<b>12' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)</b> <small>(08 33 23 13-0278)</small>		
08 33 23 13-0312	EA		12' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	24,291.06	341.09
08 33 23 13-0313	EA		12' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	24,782.38	347.77
08 33 23 13-0314	EA		12' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	25,273.69	354.45
08 33 23 13-0315	EA		12' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	25,765.01	361.13
08 33 23 13-0316	EA		12' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	26,256.32	367.81
08 33 23 13-0317	EA		12' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	26,747.64	374.49
08 33 23 13-0318	EA		12' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	32,013.92	381.16
<b>08 33 23 13-0319</b>			<b>13' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)</b> <small>(08 33 23 13-0278)</small>		
08 33 23 13-0320	EA		13' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	24,782.38	347.77
08 33 23 13-0321	EA		13' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	25,273.69	354.45
08 33 23 13-0322	EA		13' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	25,765.01	361.13
08 33 23 13-0323	EA		13' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	26,256.32	367.81
08 33 23 13-0324	EA		13' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	26,747.64	374.49
08 33 23 13-0325	EA		13' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	27,238.96	381.16
08 33 23 13-0326	EA		13' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	32,505.23	387.84
<b>08 33 23 13-0327</b>			<b>14' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)</b> <small>(08 33 23 13-0278)</small>		
08 33 23 13-0328	EA		14' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	30,050.94	354.45
08 33 23 13-0329	EA		14' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	30,542.26	361.13
08 33 23 13-0330	EA		14' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	31,033.57	367.81
08 33 23 13-0331	EA		14' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	31,522.61	374.49
08 33 23 13-0332	EA		14' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	32,013.92	381.16
08 33 23 13-0333	EA		14' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	32,505.23	387.84
08 33 23 13-0334	EA		14' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	32,996.55	394.52
<b>08 33 23 13-0335</b>			<b>Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®)</b> <small>(08 33 23 13-0220)</small>		
<b>08 33 23 13-0336</b>			<b>8' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®)</b> <small>(08 33 23 13-0335)</small>		
08 33 23 13-0337	EA		8' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	20,690.21	314.37



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0338 EA 8' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	21,181.53	321.05
08 33 23 13-0339 EA 8' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	21,672.84	327.73
08 33 23 13-0340 EA 8' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	22,163.01	334.41
08 33 23 13-0341 EA 8' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	22,654.33	341.09
08 33 23 13-0342 EA 8' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	23,140.95	346.00
08 33 23 13-0343 EA 8' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,602.50	347.77
<b>08 33 23 13-0344 9' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0335)</b>		
08 33 23 13-0345 EA 9' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	21,181.53	321.05
08 33 23 13-0346 EA 9' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	21,672.84	327.73
08 33 23 13-0347 EA 9' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	22,163.01	334.41
08 33 23 13-0348 EA 9' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	22,654.33	341.09
08 33 23 13-0349 EA 9' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	23,144.49	347.77
08 33 23 13-0350 EA 9' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	23,630.70	351.90
08 33 23 13-0351 EA 9' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	25,376.85	354.45
<b>08 33 23 13-0352 10' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0335)</b>		
08 33 23 13-0353 EA 10' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	21,672.84	327.73
08 33 23 13-0354 EA 10' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	22,163.01	334.41
08 33 23 13-0355 EA 10' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	22,654.33	341.09
08 33 23 13-0356 EA 10' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	23,144.49	347.77
08 33 23 13-0357 EA 10' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	23,635.81	354.45
08 33 23 13-0358 EA 10' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	24,123.59	359.36
08 33 23 13-0359 EA 10' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,010.29	361.13
<b>08 33 23 13-0360 11' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0335)</b>		
08 33 23 13-0361 EA 11' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	22,163.01	334.41
08 33 23 13-0362 EA 11' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	22,654.33	341.09
08 33 23 13-0363 EA 11' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	23,144.49	347.77
08 33 23 13-0364 EA 11' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	23,635.81	354.45
08 33 23 13-0365 EA 11' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	24,127.12	361.13
08 33 23 13-0366 EA 11' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	24,614.91	366.04
08 33 23 13-0367 EA 11' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,643.73	367.81
<b>08 33 23 13-0368 12' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0335)</b>		
08 33 23 13-0369 EA 12' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	22,654.33	341.09
08 33 23 13-0370 EA 12' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	23,144.49	347.77
08 33 23 13-0371 EA 12' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	23,635.81	354.45
08 33 23 13-0372 EA 12' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	24,127.12	361.13
08 33 23 13-0373 EA 12' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	24,618.44	367.81
08 33 23 13-0374 EA 12' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	25,105.44	372.32
08 33 23 13-0375 EA 12' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	27,277.18	374.49
<b>08 33 23 13-0376 13' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0335)</b>		
08 33 23 13-0377 EA 13' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	23,144.49	347.77
08 33 23 13-0378 EA 13' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	23,635.81	354.45
08 33 23 13-0379 EA 13' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	24,127.12	361.13
08 33 23 13-0380 EA 13' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	24,618.44	367.81
08 33 23 13-0381 EA 13' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	25,109.76	374.49
08 33 23 13-0382 EA 13' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	25,597.14	379.21
08 33 23 13-0383 EA 13' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	27,910.62	381.16
<b>08 33 23 13-0384 14' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0335)</b>		
08 33 23 13-0385 EA 14' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	26,615.86	354.45
08 33 23 13-0386 EA 14' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	27,249.30	361.13
08 33 23 13-0387 EA 14' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	27,882.74	367.81
08 33 23 13-0388 EA 14' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	28,515.05	374.49
08 33 23 13-0389 EA 14' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	29,149.63	381.16
08 33 23 13-0390 EA 14' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	29,779.53	386.08
08 33 23 13-0391 EA 14' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	29,783.07	387.84
<b>08 33 23 13-0392 Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0220)</b>		



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0393			<b>8' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0392)</b>		
08 33 23 13-0394	EA		8' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	27,968.28	314.37
08 33 23 13-0395	EA		8' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	28,596.86	321.05
08 33 23 13-0396	EA		8' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	29,224.20	327.73
08 33 23 13-0397	EA		8' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	30,191.96	334.41
08 33 23 13-0398	EA		8' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	31,160.95	341.09
08 33 23 13-0399	EA		8' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	32,129.95	347.77
08 33 23 13-0400	EA		8' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	33,098.94	354.45
08 33 23 13-0401			<b>9' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0392)</b>		
08 33 23 13-0402	EA		9' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	28,596.86	321.05
08 33 23 13-0403	EA		9' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	29,224.20	327.73
08 33 23 13-0404	EA		9' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	29,851.55	334.41
08 33 23 13-0405	EA		9' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	30,820.54	341.09
08 33 23 13-0406	EA		9' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	31,788.30	347.77
08 33 23 13-0407	EA		9' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	32,757.29	354.45
08 33 23 13-0408	EA		9' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	33,732.47	361.13
08 33 23 13-0409			<b>10' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0392)</b>		
08 33 23 13-0410	EA		10' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	29,224.20	327.73
08 33 23 13-0411	EA		10' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	29,851.55	334.41
08 33 23 13-0412	EA		10' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	30,478.89	341.09
08 33 23 13-0413	EA		10' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	31,447.88	347.77
08 33 23 13-0414	EA		10' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	32,415.64	354.45
08 33 23 13-0415	EA		10' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	33,384.63	361.13
08 33 23 13-0416	EA		10' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,366.01	367.81
08 33 23 13-0417			<b>11' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0392)</b>		
08 33 23 13-0418	EA		11' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	29,851.55	334.41
08 33 23 13-0419	EA		11' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	30,478.89	341.09
08 33 23 13-0420	EA		11' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	31,106.23	347.77
08 33 23 13-0421	EA		11' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	32,075.23	354.45
08 33 23 13-0422	EA		11' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	33,044.22	361.13
08 33 23 13-0423	EA		11' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,011.98	367.81
08 33 23 13-0424	EA		11' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,998.31	374.49
08 33 23 13-0425			<b>12' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0392)</b>		
08 33 23 13-0426	EA		12' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	30,478.89	341.09
08 33 23 13-0427	EA		12' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	31,106.23	347.77
08 33 23 13-0428	EA		12' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	31,733.57	354.45
08 33 23 13-0429	EA		12' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	32,702.57	361.13
08 33 23 13-0430	EA		12' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	33,671.56	367.81
08 33 23 13-0431	EA		12' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,639.33	374.49
08 33 23 13-0432	EA		12' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,633.08	381.16
08 33 23 13-0433			<b>13' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0392)</b>		
08 33 23 13-0434	EA		13' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	31,106.23	347.77
08 33 23 13-0435	EA		13' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	31,733.57	354.45
08 33 23 13-0436	EA		13' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	32,360.92	361.13
08 33 23 13-0437	EA		13' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	33,329.91	367.81
08 33 23 13-0438	EA		13' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,298.91	374.49
08 33 23 13-0439	EA		13' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,267.91	381.16
08 33 23 13-0440	EA		13' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	36,266.61	387.84
08 33 23 13-0441			<b>14' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0392)</b>		
08 33 23 13-0442	EA		14' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	31,733.57	354.45
08 33 23 13-0443	EA		14' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	32,360.92	361.13
08 33 23 13-0444	EA		14' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	32,988.26	367.81
08 33 23 13-0445	EA		14' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	33,957.26	374.49
08 33 23 13-0446	EA		14' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	34,926.26	381.16
08 33 23 13-0447	EA		14' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	35,895.25	387.84
08 33 23 13-0448	EA		14' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	36,893.95	394.52



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 33 23 13-0449</b>				<b>Rytec® Spiral® Door Options</b> <small>(08 33 23 13-0220)</small>		
08 33 23 13-0450	EA			Insulated Slats For Rytec® Spiral® High-Speed Rolling Doors.....	372.51	
				Note: Per door price.		
08 33 23 13-0451	EA			Up To 13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors.....	252.16	
				Note: Maximum of 4 per door.		
08 33 23 13-0452	EA			>13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors.....	372.51	
				Note: Maximum of 4 per door.		
08 33 23 13-0453	EA			Right Hand Motor Mount For Rytec® Spiral® High-Speed Rolling Doors .....	658.22	19.65
08 33 23 13-0454	EA			Up To 13' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors .....	1,935.39	39.29
08 33 23 13-0455	EA			>13' To 16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors.....	3,545.77	39.29
08 33 23 13-0456	EA			>16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors.....	4,044.35	39.29
<b>08 33 23 13-0457</b>				<b>Activation And Control Box Options For High Speed Doors</b> <small>(08 33 23 13)</small>		
08 33 23 13-0458	EA			Pull Cord For High-Speed Rolling Doors .....	130.98	19.65
08 33 23 13-0459	EA			Emergency Stop, Pushbutton Control For High-Speed Rolling Doors .....	111.34	9.82
08 33 23 13-0460	EA			NEMA 4 Mushroom Remote Pushbutton Control For High-Speed Rolling Doors.....	145.73	9.82
08 33 23 13-0461	EA			On/Off Key Switch, Remote Control For High-Speed Rolling Doors.....	157.19	9.82
08 33 23 13-0462	EA			Open/Close/Stop, Remote Pushbutton Control For High-Speed Rolling Doors.....	300.46	9.82
08 33 23 13-0463	EA			Radio Control For High-Speed Rolling Doors .....	431.46	17.68
				Note: Includes one receiver and two transmitters.		
08 33 23 13-0464	EA			Floor Loop For High-Speed Rolling Doors.....	510.04	
				Note: Excludes sealant.		
08 33 23 13-0465	EA			Reflective Type Photo Eye For High-Speed Rolling Doors.....	362.35	17.68
08 33 23 13-0466	EA			Thru-Beam Type Photo Eye For High-Speed Rolling Doors.....	494.50	17.68
08 33 23 13-0467	EA			Motion Detector For High-Speed Rolling Doors.....	459.13	11.79
08 33 23 13-0468	EA			Remote Warning Horn For High-Speed Rolling Doors .....	291.45	19.65
				Note: Includes wall box and mounting hardware.		
08 33 23 13-0469	EA			Remote Strobe Light For High-Speed Rolling Doors .....	411.80	19.65
				Note: Includes wall box and mounting hardware.		
08 33 23 13-0470	EA			Remote Warning Horn And Strobe Light For High-Speed Rolling Doors.....	474.84	19.65
				Note: Includes wall box and mounting hardware.		
08 33 23 13-0471	EA			Red And Green Red Light For High-Speed Rolling Doors.....	600.92	19.65
				Note: Includes mounting hardware.		
<b>08 33 26</b>				<b>Overhead Coiling Grilles</b> <small>(08 33)</small>		
				Note: Includes curtains, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required.		
				Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-1012 for forklift.		
<b>08 33 26 00-0001</b>				<b>Galvanized Steel Overhead Coiling Grilles (Width x Height)</b> <small>(08 33 26)</small>		
08 33 26 00-0002	EA			4' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	1,992.41	136.00
				For Lexan Lattice Pattern, Add	240.62	
				For Aluminum With Clear Or Anodized Bronze Finish, Add	193.94	
				For Staggered Brick Pattern, Add	262.52	
08 33 26 00-0003	EA			6' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	2,278.64	136.00
				For Lexan Lattice Pattern, Add	283.56	
				For Aluminum With Clear Or Anodized Bronze Finish, Add	290.91	
				For Staggered Brick Pattern, Add	355.54	
08 33 26 00-0004	EA			8' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	2,734.85	170.00
				For Lexan Lattice Pattern, Add	337.30	
				For Aluminum With Clear Or Anodized Bronze Finish, Add	387.88	
				For Staggered Brick Pattern, Add	448.55	
08 33 26 00-0005	EA			12' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	3,147.64	170.00
				For Lexan Lattice Pattern, Add	399.22	
				For Aluminum With Clear Or Anodized Bronze Finish, Add	436.11	
				For Staggered Brick Pattern, Add	634.58	
08 33 26 00-0006	EA			16' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	4,289.48	272.00
				For Lexan Lattice Pattern, Add	526.67	
				For Aluminum With Clear Or Anodized Bronze Finish, Add	775.75	
				For Staggered Brick Pattern, Add	894.90	
08 33 26 00-0007	EA			20' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	5,330.25	340.00
				For Lexan Lattice Pattern, Add	654.12	
				For Aluminum With Clear Or Anodized Bronze Finish, Add	969.69	
				For Staggered Brick Pattern, Add	1,155.21	
08 33 26 00-0008	EA			24' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	6,741.80	408.00
				For Lexan Lattice Pattern, Add	836.55	
				For Aluminum With Clear Or Anodized Bronze Finish, Add	1,163.63	
				For Staggered Brick Pattern, Add	1,299.47	
08 33 26 00-0009	EA			30' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	8,219.46	498.66
				For Lexan Lattice Pattern, Add	1,019.89	
				For Aluminum With Clear Or Anodized Bronze Finish, Add	1,347.75	
				For Staggered Brick Pattern, Add	1,417.24	
08 33 26 00-0010	EA			4' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	2,199.87	136.00
				For Lexan Lattice Pattern, Add	271.74	
				For Aluminum With Clear Or Anodized Bronze Finish, Add	242.42	
				For Staggered Brick Pattern, Add	311.89	
08 33 26 00-0011	EA			6' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift .....	2,579.21	136.00
				For Lexan Lattice Pattern, Add	328.64	
				For Aluminum With Clear Or Anodized Bronze Finish, Add	363.62	
				For Staggered Brick Pattern, Add	442.89	

**08 Openings****08 30 Specialty Doors And Frames****08 33 Coiling Doors And Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0012	EA		8' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	3,068.66	170.00
			<i>For Lexan Lattice Pattern, Add</i>	387.59	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	484.85	
			<i>For Staggered Brick Pattern, Add</i>	573.90	
08 33 26 00-0013	EA		12' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	3,585.63	170.00
			<i>For Lexan Lattice Pattern, Add</i>	465.13	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	727.27	
			<i>For Staggered Brick Pattern, Add</i>	835.92	
08 33 26 00-0014	EA		16' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	4,864.05	272.00
			<i>For Lexan Lattice Pattern, Add</i>	612.85	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	969.69	
			<i>For Staggered Brick Pattern, Add</i>	1,152.62	
08 33 26 00-0015	EA		20' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	6,039.91	340.00
			<i>For Lexan Lattice Pattern, Add</i>	760.56	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,212.11	
			<i>For Staggered Brick Pattern, Add</i>	1,469.31	
08 33 26 00-0016	EA		24' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	7,599.23	408.00
			<i>For Lexan Lattice Pattern, Add</i>	965.17	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,454.72	
			<i>For Staggered Brick Pattern, Add</i>	1,701.58	
08 33 26 00-0017	EA		30' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	9,543.41	498.66
			<i>For Lexan Lattice Pattern, Add</i>	1,218.48	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,703.26	
			<i>For Staggered Brick Pattern, Add</i>	1,906.15	
08 33 26 00-0018	EA		4' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	2,437.44	136.00
			<i>For Lexan Lattice Pattern, Add</i>	307.38	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	290.91	
			<i>For Staggered Brick Pattern, Add</i>	360.53	
08 33 26 00-0019	EA		6' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	2,506.21	136.00
			<i>For Lexan Lattice Pattern, Add</i>	317.69	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	436.36	
			<i>For Staggered Brick Pattern, Add</i>	528.78	
08 33 26 00-0020	EA		8' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	3,047.15	170.00
			<i>For Lexan Lattice Pattern, Add</i>	384.14	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	581.80	
			<i>For Staggered Brick Pattern, Add</i>	697.04	
08 33 26 00-0021	EA		12' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	4,080.90	170.00
			<i>For Lexan Lattice Pattern, Add</i>	539.21	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	872.69	
			<i>For Staggered Brick Pattern, Add</i>	1,033.55	
08 33 26 00-0022	EA		16' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	5,676.25	272.00
			<i>For Lexan Lattice Pattern, Add</i>	734.68	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,163.62	
			<i>For Staggered Brick Pattern, Add</i>	1,436.95	
08 33 26 00-0023	EA		20' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	7,170.51	340.00
			<i>For Lexan Lattice Pattern, Add</i>	930.15	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,454.53	
			<i>For Staggered Brick Pattern, Add</i>	1,840.32	
08 33 26 00-0024	EA		24' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	8,697.98	408.00
			<i>For Lexan Lattice Pattern, Add</i>	1,129.98	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,745.44	
			<i>For Staggered Brick Pattern, Add</i>	1,945.89	
08 33 26 00-0025	EA		30' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	10,851.49	498.66
			<i>For Lexan Lattice Pattern, Add</i>	1,414.69	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	2,022.71	
			<i>For Staggered Brick Pattern, Add</i>	2,120.07	
08 33 26 00-0026	EA		4' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	2,862.36	136.00
			<i>For Lexan Lattice Pattern, Add</i>	371.12	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	339.26	
			<i>For Staggered Brick Pattern, Add</i>	666.84	
08 33 26 00-0027	EA		6' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	3,326.30	136.00
			<i>For Lexan Lattice Pattern, Add</i>	440.71	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	509.00	
			<i>For Staggered Brick Pattern, Add</i>	818.79	
08 33 26 00-0028	EA		8' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	3,891.82	170.00
			<i>For Lexan Lattice Pattern, Add</i>	511.06	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	678.72	
			<i>For Staggered Brick Pattern, Add</i>	953.41	
08 33 26 00-0029	EA		12' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	4,866.39	170.00
			<i>For Lexan Lattice Pattern, Add</i>	657.25	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,018.17	
			<i>For Staggered Brick Pattern, Add</i>	1,209.00	
08 33 26 00-0030	EA		16' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	6,486.61	272.00
			<i>For Lexan Lattice Pattern, Add</i>	856.23	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,357.57	
			<i>For Staggered Brick Pattern, Add</i>	1,617.42	
08 33 26 00-0031	EA		20' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	8,004.32	340.00
			<i>For Lexan Lattice Pattern, Add</i>	1,055.23	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,696.95	
			<i>For Staggered Brick Pattern, Add</i>	2,025.84	
08 33 26 00-0032	EA		24' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift.....	9,563.68	408.00
			<i>For Lexan Lattice Pattern, Add</i>	1,259.84	
			<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	2,036.34	
			<i>For Staggered Brick Pattern, Add</i>	2,297.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0033 EA 30' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	12,261.81 1,626.24 2,403.93 2,625.04	498.66
<b>08 33 26 00-0034 Coiling Grilles Accessories (08 33 26)</b>		
08 33 26 00-0035 LF For Overhead Framed Rolling Grille Supports.....	75.27	
<b>08 33 36 Side Coiling Grilles (08 33)</b>		
<b>08 33 36 00-0001 Galvanized Steel Side Coiling Grilles (Width x Height) (08 33 36)</b>		
08 33 36 00-0002 EA 12' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	3,237.48 322.63 581.81 634.58	380.28
08 33 36 00-0003 EA 18' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	4,553.76 473.71 892.45 1,016.38	488.50
08 33 36 00-0004 EA 24' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	5,907.70 622.18 1,163.63 1,299.47	615.94
08 33 36 00-0005 EA 30' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	7,128.47 777.73 1,347.75 1,417.24	679.99
08 33 36 00-0006 EA 12' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	3,925.44 403.01 727.27 835.92	433.58
08 33 36 00-0007 EA 18' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	5,541.88 592.49 1,071.08 1,269.33	556.89
08 33 36 00-0008 EA 24' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	7,096.82 763.59 1,454.72 1,701.58	701.95
08 33 36 00-0009 EA 30' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	8,703.13 971.88 1,703.26 1,906.15	775.19
08 33 36 00-0010 EA 12' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	4,620.70 483.75 872.69 1,033.55	488.50
08 33 36 00-0011 EA 18' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	6,531.28 709.85 1,288.54 1,575.91	627.41
08 33 36 00-0012 EA 24' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	8,470.48 933.27 1,745.44 1,945.89	791.06
08 33 36 00-0013 EA 30' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	10,271.95 1,166.59 2,022.71 2,120.07	872.66
08 33 36 00-0014 EA 12' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	5,312.74 565.62 1,018.17 1,209.00	540.11
08 33 36 00-0015 EA 18' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	7,523.04 828.63 1,472.65 1,750.94	693.60
08 33 36 00-0016 EA 24' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	9,749.61 1,088.82 2,036.34 2,297.53	874.47
08 33 36 00-0017 EA 30' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated ..... <i>For Lexan Lattice Pattern, Add</i> <i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i> <i>For Staggered Brick Pattern, Add</i>	11,826.92 1,360.32 2,403.93 2,625.04	965.60

**08 34 Special Function Doors (08 30)**

**08 34 13 Cold Storage Doors (08 34)**

**08 34 13 00-0001 Vertical Sliding Doors (08 34 13)**

Note: Doors to be filled with 4" foamed-in-place polyurethane.

<b>08</b>	<b>Openings</b>
<b>08 30</b>	<b>Specialty Doors And Frames</b>
<b>08 34</b>	<b>Special Function Doors</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 13 00-0002	EA		7'-0" x 8'-0" Single Leaf Vertical Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane.....	10,072.58	572.73
			<i>For Adjusting Height Of Door To Fit Opening &lt;7' Height, Add</i>	285.81	
08 34 13 00-0003	EA		7'-0" x 9'-0" Bi-Pass Vertical Sliding Cold Storage Door, Filled With 4" Foam In Place (FIP) Polyurethane .....	12,941.38	727.10
			<i>For Adjusting Height Of Door To Fit Opening &lt;7' Height, Add</i>	363.55	
<b>08 34 13 00-0004</b>			<b>Horizontal Sliding Doors</b> <small>(08 34 13)</small>		
			Note: Doors to be filled with 4" foamed-in-place polyurethane.		
08 34 13 00-0005	EA		6'-0" x 9'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane .....	8,099.04	457.42
08 34 13 00-0006	EA		7'-0" x 9'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane .....	9,122.38	515.81
08 34 13 00-0007	EA		7'-0" x 9'-0" Bi-Parting Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane.....	11,757.40	679.77
08 34 13 00-0008	EA		5'-0" x 7'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane .....	7,006.35	415.61
<b>08 34 13 00-0009</b>			<b>Horizontal Hinge Type</b> <small>(08 34 13)</small>		
			Note: Doors to be filled with 4" foamed-in-place polyurethane.		
08 34 13 00-0010	EA		3'-0" x 7'-0" Swinging Cold Storage Door, Filled With 4" Foam In Place (FIP) Polyurethane.....	4,765.55	270.34
<b>08 34 23</b>			<b>Sidewalk and Basement Doors</b> <small>(08 34)</small>		
<b>08 34 23 00-0001</b>			<b>Drainage Doors</b> <small>(08 34 23)</small>		
<b>08 34 23 00-0002</b>			<b>Single Leaf Aluminum Drainage Doors</b> <small>(08 34 23 00-0001)</small>		
			Note: Bilco - J Series.		
08 34 23 00-0003	EA		2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door .....	978.09	69.99
08 34 23 00-0004	EA		2' 6" x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,232.30	73.13
08 34 23 00-0005	EA		3' x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,315.35	74.70
08 34 23 00-0006	EA		3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,464.46	76.27
08 34 23 00-0007	EA		3' 6" x 3' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,727.17	80.21
08 34 23 00-0008	EA		2' 6" x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	1,768.45	78.35
08 34 23 00-0009	EA		3' x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door .....	1,983.99	80.21
08 34 23 00-0010	EA		2' 6" x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,074.79	82.05
08 34 23 00-0011	EA		3' x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door .....	2,290.33	83.90
08 34 23 00-0012	EA		3' x 6' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door .....	2,678.96	88.61
<b>08 34 23 00-0013</b>			<b>Double Leaf Aluminum Drainage Doors</b> <small>(08 34 23 00-0001)</small>		
			Note: Bilco - JD Series.		
08 34 23 00-0014	EA		4' x 2' 6" Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,135.33	78.35
08 34 23 00-0015	EA		4' x 4' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,238.96	83.90
08 34 23 00-0016	EA		4' x 6' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,869.48	93.32
08 34 23 00-0017	EA		5' x 5' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door.....	2,957.53	93.32
<b>08 34 23 00-0018</b>			<b>Single Leaf Aluminum H2O Drainage Doors</b> <small>(08 34 23 00-0001)</small>		
			Note: Bilco - J H2O Series.		
08 34 23 00-0019	EA		2' x 2' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	1,660.48	69.99
08 34 23 00-0020	EA		2' 6" x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door .....	1,958.71	73.13
08 34 23 00-0021	EA		3' x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	2,144.51	74.70
08 34 23 00-0022	EA		3' x 3' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door.....	2,447.71	76.27
08 34 23 00-0023	EA		3' 6" x 3' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door .....	2,849.83	80.21
<b>08 34 23 00-0024</b>			<b>Double Leaf Aluminum H2O Drainage Doors</b> <small>(08 34 23 00-0001)</small>		
			Note: Bilco - JD H2O Series.		
08 34 23 00-0025	EA		4' x 2' 6" Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door .....	2,854.41	78.35
08 34 23 00-0026	EA		4' x 4' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door .....	3,867.90	83.90
08 34 23 00-0027	EA		4' x 6' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door .....	5,562.36	93.32
08 34 23 00-0028	EA		5' x 5' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door .....	5,224.83	93.32
<b>08 34 23 00-0029</b>			<b>Single Leaf Steel Drainage Doors</b> <small>(08 34 23 00-0001)</small>		
			Note: Bilco - J Series.		
08 34 23 00-0030	EA		2' x 2' Single Leaf Steel Floor, Vault Or Sidewalk Door .....	1,411.35	69.99
08 34 23 00-0031	EA		2' 6" x 2' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door .....	1,483.82	73.13
08 34 23 00-0032	EA		3' x 2' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	1,670.03	74.70
08 34 23 00-0033	EA		3' x 3' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	1,865.93	76.27
08 34 23 00-0034	EA		3' 6" x 3' 6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door .....	2,191.18	80.21
08 34 23 00-0035	EA		2' 6" x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	2,081.98	78.35
08 34 23 00-0036	EA		3' x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	2,394.40	80.21
08 34 23 00-0037	EA		2' 6" x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	2,377.80	82.05
08 34 23 00-0038	EA		3' x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	2,670.87	83.90
08 34 23 00-0039	EA		3' x 6' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	2,852.14	88.61
<b>08 34 23 00-0040</b>			<b>Double Leaf Steel Drainage Doors</b> <small>(08 34 23 00-0001)</small>		
			Note: Bilco - JD Series.		
08 34 23 00-0041	EA		4' x 2' 6" Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door .....	2,604.55	78.35
08 34 23 00-0042	EA		4' x 4' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	2,728.93	83.90
08 34 23 00-0043	EA		4' x 6' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	3,430.17	93.32
08 34 23 00-0044	EA		5' x 5' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door.....	3,536.62	93.32



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 34 23 00-0045</b>				<b>Single Leaf Steel H2O Drainage Doors</b> (08 34 23 00-0001) Note: Bilco - J H2O Series.		
08 34 23 00-0046	EA			2' x 2' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door .....	2,533.91	69.99
08 34 23 00-0047	EA			2' 6" x 2' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door .....	2,683.80	73.13
08 34 23 00-0048	EA			3' x 2' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door .....	2,782.93	74.70
08 34 23 00-0049	EA			3' x 3' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door .....	3,307.86	76.27
08 34 23 00-0050	EA			3' 6" x 3' 6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door .....	3,923.42	80.21
<b>08 34 23 00-0051</b>				<b>Double Leaf Steel H2O Drainage Doors</b> (08 34 23 00-0001) Note: Bilco - JD H2O Series.		
08 34 23 00-0052	EA			4' x 2' 6" Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door .....	4,346.46	78.35
08 34 23 00-0053	EA			4' x 4' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door .....	4,867.60	83.90
08 34 23 00-0054	EA			4' x 6' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door .....	7,310.75	93.32
08 34 23 00-0055	EA			5' x 5' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door .....	7,117.21	93.32
<b>08 34 23 00-0056</b>				<b>Single Leaf Aluminum Drainage Door</b> (08 34 23 00-0001) Note: Bilco - J-R (Odor Resistant).		
08 34 23 00-0057	EA			2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant .....	1,492.15	69.99
08 34 23 00-0058	EA			2' 6" x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant .....	1,801.93	73.13
08 34 23 00-0059	EA			3' x 2' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant .....	1,920.06	74.70
08 34 23 00-0060	EA			3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant .....	2,040.44	76.27
08 34 23 00-0061	EA			3' 6" x 3' 6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant .....	2,326.90	80.21
<b>08 34 23 00-0062</b>				<b>Non-Drainage Doors</b> (08 34 23)		
<b>08 34 23 00-0063</b>				<b>Single Leaf Aluminum Non-Drainage Doors</b> (08 34 23 00-0062) Note: Bilco - Q Series.		
08 34 23 00-0064	EA			2' x 2' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	934.09	69.99
08 34 23 00-0065	EA			2' 6" x 2' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,158.92	73.13
08 34 23 00-0066	EA			3' x 2' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,249.34	74.70
08 34 23 00-0067	EA			3' x 3' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,303.05	76.27
08 34 23 00-0068	EA			3' 6" x 3' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,675.81	80.21
08 34 23 00-0069	EA			2' 6" x 4' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,496.97	78.35
08 34 23 00-0070	EA			3' x 4' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,690.49	80.21
08 34 23 00-0071	EA			2' 6" x 5' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,913.32	82.05
08 34 23 00-0072	EA			3' x 5' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	2,033.54	83.90
08 34 23 00-0073	EA			3' x 6' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	2,326.86	88.61
<b>08 34 23 00-0074</b>				<b>Single Leaf Aluminum Non-Drainage Doors</b> (08 34 23 00-0062) Note: Bilco - K Series.		
08 34 23 00-0075	EA			2' x 2' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	735.98	69.99
08 34 23 00-0076	EA			2' 6" x 2' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	909.44	73.13
08 34 23 00-0077	EA			3' x 2' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,021.88	74.70
08 34 23 00-0078	EA			3' x 3' Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,097.60	76.27
08 34 23 00-0079	EA			3' 6" x 3' 6" Single Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,294.26	80.21
<b>08 34 23 00-0080</b>				<b>Double Leaf Aluminum Non-Drainage Doors</b> (08 34 23 00-0062) Note: Bilco - QD Series.		
08 34 23 00-0081	EA			4' x 2' 6" Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,951.90	78.35
<b>08 34 23 00-0082</b>				<b>Double Leaf Aluminum Non-Drainage Doors</b> (08 34 23 00-0062) Note: Bilco - KD Series.		
08 34 23 00-0083	EA			4' x 4' Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,850.10	83.90
08 34 23 00-0084	EA			4' x 6' Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	2,656.73	93.32
08 34 23 00-0085	EA			5' x 5' Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	2,715.43	93.32
<b>08 34 23 00-0086</b>				<b>Single Leaf Aluminum Non-Drainage Doors</b> (08 34 23 00-0062) Note: Bilco - T Series.		
08 34 23 00-0087	EA			2' x 2' Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering .....	824.03	69.99
08 34 23 00-0088	EA			2' 6" x 2' 6" Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering .....	982.82	73.13
08 34 23 00-0089	EA			3' x 2' 6" Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering .....	1,058.56	74.70
08 34 23 00-0090	EA			3' x 3' Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering .....	1,170.98	76.27
08 34 23 00-0091	EA			3' 6" x 3' 6" Single Leaf Aluminum Non Drainage Door, Floor Installation For Covering .....	1,389.65	80.21
<b>08 34 23 00-0092</b>				<b>Double Leaf Aluminum Non-Drainage Doors</b> (08 34 23 00-0062) Note: Bilco - TD Series.		
08 34 23 00-0093	EA			4' x 4' Double Leaf Aluminum Non Drainage Door, Floor Installation For Covering .....	1,974.84	83.90
08 34 23 00-0094	EA			4' x 6' Double Leaf Aluminum Non Drainage Door, Floor Installation For Covering .....	2,810.82	93.32
08 34 23 00-0095	EA			5' x 5' Double Leaf Aluminum Non Drainage Door, Floor Installation For Covering .....	2,854.84	93.32



<b>08</b>	<b>Openings</b>
<b>08 30</b>	<b>Specialty Doors And Frames</b>
<b>08 34</b>	<b>Special Function Doors</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>08 34 23 00-0096</b>	<b>Single Leaf Steel Non-Drainage Doors</b> (08 34 23 00-0062) Note: Bilco - Q Series.		
08 34 23 00-0097	EA 2' x 2' Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door .....	908.16	69.99
08 34 23 00-0098	EA 2' 6" x 2' 6" Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door .....	1,028.99	73.13
08 34 23 00-0099	EA 3' x 2' 6" Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door .....	1,176.52	74.70
08 34 23 00-0100	EA 3' x 3' Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door .....	1,256.29	76.27
08 34 23 00-0101	EA 2' 6" x 4' Single Leaf Steel Non Drainage Floor, Vault Or Sidewalk Door .....	1,459.51	76.27
<b>08 34 23 00-0102</b>	<b>Double Leaf Steel Non-Drainage Doors</b> (08 34 23 00-0062) Note: Bilco - QD Series.		
08 34 23 00-0103	EA 4' x 2' 6" Double Leaf Aluminum Non Drainage Floor, Vault Or Sidewalk Door .....	1,994.89	78.35
<b>08 34 23 00-0104</b>	<b>Basement Doors</b> (08 34 23) Note: 12 gauge primed steel, center opening, includes assembly and installation hardware.		
08 34 23 00-0105	EA 45'-1/4" Wide x 65'-1/4" Long, Sloped Wall Basement Door, Factory Primed Metal (Bilco Classic Series).....	1,139.16	88.42
08 34 23 00-0106	EA 30" High x 47" Wide x 58" Long, Basement Door (Bilco Classic Series).....	1,014.62	67.00
08 34 23 00-0107	EA 22" High x 51" Wide x 64" Long, Basement Door (Bilco Classic Series).....	1,041.54	73.68
08 34 23 00-0108	EA 19'-1/2" High x 55" Wide x 72" Long, Basement Door (Bilco Classic Series) .....	1,113.30	78.59
08 34 23 00-0109	EA 52" High x 51" Wide x 43'-1/4" Long, Basement Door (Bilco Classic Series) .....	1,227.78	88.42
<b>08 34 49</b>	<b>Radiation Shielding Doors And Frames</b> (08 34)		
<b>08 34 49 13</b>	<b>Neutron Shielding Doors And Frames</b> (08 34 49)		
<b>08 34 49 13-0001</b>	<b>Lead Lined Doors And Frames</b> (08 34 49 13)		
08 34 49 13-0002	SF 1/16" Thick Laminated Lead In Wood Door .....	86.49	3.93
08 34 49 13-0003	SF 1/8" Thick Laminated Lead In Wood Door .....	109.49	3.93
08 34 49 13-0004	LF 1/16" Thick Lead Lined Door Frame .....	98.06	3.93
08 34 49 13-0005	LF 1/8" Thick Lead Lined Door Frame .....	105.72	3.93
<b>08 34 53</b>	<b>Security Doors And Frames</b> (08 34)		
<b>08 34 53 00-0001</b>	<b>Metal Security Doors</b> (08 34 53) Note: Includes standard pitcher handle latch, pneumatic closure, hinges and baked enamel finish.		
08 34 53 00-0002	EA Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-501-28-O).....	871.30	48.57
08 34 53 00-0003	EA Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-503-28-O).....	871.30	48.57
08 34 53 00-0004	EA Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-504-28-O).....	1,258.39	48.57
<b>08 34 56</b>	<b>Security Gates</b> (08 34)		
<b>08 34 56 00-0001</b>	<b>Pivoting Double Folding Gate</b> (08 34 56) Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.		
08 34 56 00-0002	EA 6' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate .....	788.42	74.86
08 34 56 00-0003	EA 8' To 10' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate .....	884.56	84.21
08 34 56 00-0004	EA 8' To 10' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate .....	941.98	93.58
08 34 56 00-0005	EA 8' To 10' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,038.10	102.93
08 34 56 00-0006	EA 10' To 12' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate .....	925.72	75.79
08 34 56 00-0007	EA 10' To 12' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate .....	983.22	85.16
08 34 56 00-0008	EA 10' To 12' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,077.46	94.51
08 34 56 00-0009	EA 10' To 12' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,136.96	103.86
08 34 56 00-0010	EA 12' To 14' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate .....	985.65	76.73
08 34 56 00-0011	EA 12' To 14' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,043.04	86.09
08 34 56 00-0012	EA 12' To 14' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,100.82	90.76
08 34 56 00-0013	EA 12' To 14' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,158.69	95.45
08 34 56 00-0014	EA 12' To 14' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,225.80	104.80
08 34 56 00-0015	EA 14' To 16' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,103.68	77.66
08 34 56 00-0016	EA 14' To 16' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,160.97	87.03
08 34 56 00-0017	EA 14' To 16' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,228.39	91.71
08 34 56 00-0018	EA 14' To 16' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,315.50	96.38
08 34 56 00-0019	EA 14' To 16' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,430.80	105.74
08 34 56 00-0020	EA 16' To 18' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,281.66	79.54
08 34 56 00-0021	EA 16' To 18' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,360.14	89.83
08 34 56 00-0022	EA 16' To 18' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,468.13	95.45
08 34 56 00-0023	EA 16' To 18' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,532.20	98.25
<b>08 34 56 00-0024</b>	<b>Pivoting Single Folding Gate</b> (08 34 56) Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.		
08 34 56 00-0025	EA 5' To 6' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate .....	530.61	52.40
08 34 56 00-0026	EA 5' To 6' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate .....	573.06	54.27
08 34 56 00-0027	EA 5' To 6' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate .....	615.51	56.14
08 34 56 00-0028	EA 5' To 6' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate .....	661.72	59.89
08 34 56 00-0029	EA 5' To 6' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate .....	688.55	63.63



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 56 00-0030 EA 6' To 7' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate .....	573.01	54.27
08 34 56 00-0031 EA 6' To 7' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate .....	615.53	56.14
08 34 56 00-0032 EA 6' To 7' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate .....	657.99	58.02
08 34 56 00-0033 EA 6' To 7' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate .....	704.17	61.76
08 34 56 00-0034 EA 6' To 7' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate .....	731.09	65.51
08 34 56 00-0035 EA 7' To 8' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate .....	634.80	56.14
08 34 56 00-0036 EA 7' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate .....	677.34	58.02
08 34 56 00-0037 EA 7' To 8' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate .....	719.77	59.89
08 34 56 00-0038 EA 7' To 8' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate .....	766.01	63.63
08 34 56 00-0039 EA 7' To 8' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate .....	812.29	67.37
<b>08 34 56 00-0040 Window Gates, Expands From 2' To 4'</b> <small>(08 34 56)</small>		
Note: Includes padlock hasp and galvanized finish. Excludes padlock.		
08 34 56 00-0041 EA 33" High Window Gate, Up To 4' Wide Opening.....	217.84	20.59
08 34 56 00-0042 EA 37" High Window Gate, Up To 4' Wide Opening.....	221.59	22.45
08 34 56 00-0043 EA 40" High Window Gate, Up To 4' Wide Opening.....	221.59	22.45
08 34 56 00-0044 EA 43" High Window Gate, Up To 4' Wide Opening.....	226.10	24.33
08 34 56 00-0045 EA 46" High Window Gate, Up To 4' Wide Opening.....	226.10	24.33
08 34 56 00-0046 EA 49" High Window Gate, Up To 4' Wide Opening.....	229.84	26.20
08 34 56 00-0047 EA 51" High Window Gate, Up To 4' Wide Opening.....	229.84	26.20
08 34 56 00-0048 EA 53" High Window Gate, Up To 4' Wide Opening.....	233.58	28.07
08 34 56 00-0049 EA 55" High Window Gate, Up To 4' Wide Opening.....	233.58	28.07
08 34 56 00-0050 EA 57" High Window Gate, Up To 4' Wide Opening.....	237.33	29.94
08 34 56 00-0051 EA 59" High Window Gate, Up To 4' Wide Opening.....	237.33	29.94
<b>08 34 56 00-0052 Pivoting Door Gate, Expands From 2' To 4'</b> <small>(08 34 56)</small>		
Note: Includes padlock hasp and galvanized finish. Excludes padlock.		
08 34 56 00-0053 EA 61" High Pivoting Door Gate, Up To 4' Wide Opening.....	241.08	31.82
08 34 56 00-0054 EA 63" High Pivoting Door Gate, Up To 4' Wide Opening.....	243.44	31.82
08 34 56 00-0055 EA 66" High Pivoting Door Gate, Up To 4' Wide Opening.....	250.31	33.69
08 34 56 00-0056 EA 71" High Pivoting Door Gate, Up To 4' Wide Opening.....	257.18	35.56
08 34 56 00-0057 EA 73" High Pivoting Door Gate, Up To 4' Wide Opening.....	260.32	35.56
08 34 56 00-0058 EA 76" High Pivoting Door Gate, Up To 4' Wide Opening.....	267.20	37.43
08 34 56 00-0059 EA 79" High Pivoting Door Gate, Up To 4' Wide Opening.....	270.34	37.43
08 34 56 00-0060 EA 81" High Pivoting Door Gate, Up To 4' Wide Opening.....	276.25	39.30
08 34 56 00-0061 EA 83" High Pivoting Door Gate, Up To 4' Wide Opening.....	280.35	39.30
<b>08 34 73 Sound Control Door Assemblies</b> <small>(08 34)</small>		
<b>08 34 73 13 Metal Sound Control Door Assemblies</b> <small>(08 34 73)</small>		
<b>08 34 73 13-0001 Steel Acoustical Door Assembly</b> <small>(08 34 73 13)</small>		
Note: Includes seal.		
<b>08 34 73 13-0002 Steel Acoustical Doors</b> <small>(08 34 73 13-0001)</small>		
Note: Includes hinges.		
08 34 73 13-0003 EA 3' x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated).....	2,857.26	23.58
For 60 Minutes Fire Rated, Add		169.74
For 3" x 33" Vision Lite, Add		1,179.46
For 20" x 64" Vision Lite, Add		1,262.15
08 34 73 13-0004 EA 3'-6" x 7', 14 Gauge, STC 52, Steel Acoustical Door (Unrated).....	3,028.95	24.56
For 60 Minutes Fire Rated, Add		169.74
For 3" x 33" Vision Lite, Add		1,179.46
For 20" x 64" Vision Lite, Add		1,262.15
08 34 73 13-0005 EA 4' x 7', 14 Gauge, STC 53, Steel Acoustical Door (Unrated).....	3,202.62	26.53
For 60 Minutes Fire Rated, Add		169.74
For 3" x 33" Vision Lite, Add		1,179.46
For 20" x 64" Vision Lite, Add		1,262.15
08 34 73 13-0006 PR Pair 3' x 7', 14 Gauge, STC 50, Steel Acoustical Doors (Unrated) .....	5,709.78	44.80
For 1 Hour Fire Rated, Add		339.47
For 3" x 33" Windows, Add		2,358.91
For 20" x 64" Windows, Add		2,524.30
<b>08 34 73 13-0007 Steel Acoustical Door Frames</b> <small>(08 34 73 13-0001)</small>		
08 34 73 13-0008 EA 3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame .....	2,280.82	39.29
For 45 Minutes Fire Rated, Add		30.00
For 60 Minutes Fire Rated, Add		37.00
For 90 Minutes Fire Rated, Add		45.00
08 34 73 13-0009 EA 3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame .....	2,343.20	39.29
For 45 Minutes Fire Rated, Add		30.00
For 60 Minutes Fire Rated, Add		37.00
For 90 Minutes Fire Rated, Add		45.00
08 34 73 13-0010 EA 3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame .....	2,405.59	39.29
For 45 Minutes Fire Rated, Add		30.00
For 60 Minutes Fire Rated, Add		37.00
For 90 Minutes Fire Rated, Add		45.00
08 34 73 13-0011 EA 3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame .....	2,467.97	39.29
For 45 Minutes Fire Rated, Add		30.00
For 60 Minutes Fire Rated, Add		37.00
For 90 Minutes Fire Rated, Add		45.00

**08 Openings**  
**08 30 Specialty Doors And Frames**  
**08 34 Special Function Doors**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0012	EA		3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	2,613.65	43.23
			For 45 Minutes Fire Rated, Add	30.00	
			For 60 Minutes Fire Rated, Add	37.00	
			For 90 Minutes Fire Rated, Add	45.00	
08 34 73 13-0013	EA		3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	2,683.29	43.23
			For 45 Minutes Fire Rated, Add	30.00	
			For 60 Minutes Fire Rated, Add	37.00	
			For 90 Minutes Fire Rated, Add	45.00	
08 34 73 13-0014	EA		3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	2,745.67	43.23
			For 45 Minutes Fire Rated, Add	30.00	
			For 60 Minutes Fire Rated, Add	37.00	
			For 90 Minutes Fire Rated, Add	45.00	
08 34 73 13-0015	EA		3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	2,823.04	43.23
			For 45 Minutes Fire Rated, Add	30.00	
			For 60 Minutes Fire Rated, Add	37.00	
			For 90 Minutes Fire Rated, Add	45.00	
08 34 73 13-0016	EA		4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame .....	2,958.50	45.19
			For 45 Minutes Fire Rated, Add	30.00	
			For 60 Minutes Fire Rated, Add	37.00	
			For 90 Minutes Fire Rated, Add	45.00	
08 34 73 13-0017	EA		4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame .....	3,020.89	45.19
			For 45 Minutes Fire Rated, Add	30.00	
			For 60 Minutes Fire Rated, Add	37.00	
			For 90 Minutes Fire Rated, Add	45.00	
08 34 73 13-0018	EA		4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame .....	3,083.27	45.19
			For 45 Minutes Fire Rated, Add	30.00	
			For 60 Minutes Fire Rated, Add	37.00	
			For 90 Minutes Fire Rated, Add	45.00	
08 34 73 13-0019	EA		4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame .....	3,152.90	45.19
			For 45 Minutes Fire Rated, Add	30.00	
			For 60 Minutes Fire Rated, Add	37.00	
			For 90 Minutes Fire Rated, Add	45.00	
08 34 73 13-0020	EA		6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	5,321.94	51.08
			For 45 Minutes Fire Rated, Add	30.00	
			For 60 Minutes Fire Rated, Add	37.00	
			For 90 Minutes Fire Rated, Add	45.00	
08 34 73 13-0021	EA		6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	5,381.42	51.08
			For 45 Minutes Fire Rated, Add	30.00	
			For 60 Minutes Fire Rated, Add	37.00	
			For 90 Minutes Fire Rated, Add	45.00	
08 34 73 13-0022	EA		6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	5,445.26	51.08
			For 45 Minutes Fire Rated, Add	30.00	
			For 60 Minutes Fire Rated, Add	37.00	
			For 90 Minutes Fire Rated, Add	45.00	
08 34 73 13-0023	EA		6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion.....	5,510.54	51.08
			For 45 Minutes Fire Rated, Add	30.00	
			For 60 Minutes Fire Rated, Add	37.00	
			For 90 Minutes Fire Rated, Add	45.00	

**08 34 73 16 Wood Sound Control Door Assemblies (08 34 73)**

**08 34 73 16-0001 Wood Acoustical Door Assembly (08 34 73 16)**

Note: Includes the prefinished door, frame, hinges and seals.

08 34 73 16-0002	EA		3' x 7' x 1-3/4" Thick, STC 27, Wood Acoustical Door System (Unrated).....	1,416.37	70.73
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0003	EA		3' x 7' x 1-3/4" Thick, STC 29, Wood Acoustical Door System (Unrated).....	1,548.25	70.73
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0004	EA		3' x 7' x 1-3/4" Thick, STC 30, Wood Acoustical Door System (Unrated).....	1,621.52	70.73
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0005	EA		3' x 7' x 1-3/4" Thick, STC 31, Wood Acoustical Door System (Unrated).....	1,694.79	70.73
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0006	EA		3' x 7' x 1-3/4" Thick, STC 36, Wood Acoustical Door System (Unrated).....	2,017.18	70.73
			For 20 Minutes Fire Rated, Add	50.00	
			For 45 Minutes Fire Rated, Add	80.00	
			For 60 Minutes Fire Rated, Add	115.00	
			For 90 Minutes Fire Rated, Add	145.00	
08 34 73 16-0007	EA		3' x 7' x 1-3/4" Thick, STC 40, Wood Acoustical Door System (Unrated).....	2,720.57	70.73



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 34 73 16-0008	EA		3' x 7' x 1-3/4" Thick, STC 42, Wood Acoustical Door System (Unrated) .....	2,856.86	70.73
				<i>For 20 Minutes Fire Rated, Add</i>	50.00	
				<i>For 45 Minutes Fire Rated, Add</i>	80.00	
				<i>For 60 Minutes Fire Rated, Add</i>	115.00	
				<i>For 90 Minutes Fire Rated, Add</i>	145.00	
	08 34 73 16-0009	EA		3' x 7' x 1-3/4" Thick, STC 46, Wood Acoustical Door System (Unrated) .....	3,401.99	70.73
				<i>For 20 Minutes Fire Rated, Add</i>	50.00	
				<i>For 45 Minutes Fire Rated, Add</i>	80.00	
				<i>For 60 Minutes Fire Rated, Add</i>	115.00	
				<i>For 90 Minutes Fire Rated, Add</i>	145.00	
	08 34 73 16-0010	EA		3' x 7' x 1-3/4" Thick, STC 49, Wood Acoustical Door System (Unrated) .....	3,808.63	70.73

**08 35 Folding Doors And Grilles** (08 30)

**08 35 13 Folding Doors** (08 35)

**08 35 13 13 Accordion Folding Doors** (08 35 13)

**08 35 13 13-0001 Accordion Folding Doors** (08 35 13 13)

Note: Includes track, fittings and hardware, complete.

	08 35 13 13-0002	SF		Fire-Resistant, Vinyl Fabric Installed On Welded Steel Frames, Accordion Folding Door .....	49.85	3.93
				<i>For Fire Retardant, Add</i>	11.58	
	08 35 13 13-0003	SF		1/32" Thick, Single Ply Vinyl, Accordion Folding Door .....	7.08	3.93
				<i>For Fire Retardant, Add</i>	0.89	
	08 35 13 13-0004	SF		0.04" Thick, Fire-Resistant, Rigid Vinyl Panels, Accordion Folding Door .....	20.47	3.93
				<i>For Fire Retardant, Add</i>	4.23	
	08 35 13 13-0005	SF		3/8" Thick, Fire-Resistant, Wood Veneer, Vinyl Or High Pressure Laminate, High Density Engineered Wood Core Panel, Accordion Folding Door .....	30.58	3.93
				<i>For Fire Retardant, Add</i>	6.76	

**08 36 Panel Doors** (08 30)

**08 36 13 Sectional Doors** (08 36)

Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-1012 for forklift.

**08 36 13 00-0001 Sectional Wood Overhead Doors (Width x Height)** (08 36 13)

**08 36 13 00-0002 Wood Sectional Overhead Doors** (08 36 13 00-0001)

Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.

	08 36 13 00-0003	EA		8' x 8', Wood Sectional Door, Manual Lift .....	2,115.85	157.18
	08 36 13 00-0004	EA		10' x 10', Wood Sectional Door, Manual Lift .....	2,721.03	174.47
	08 36 13 00-0005	EA		12' x 12', Wood Sectional Door, Manual Lift .....	3,531.70	209.05
	08 36 13 00-0006	EA		14' x 14', Wood Sectional Door, Manual Lift .....	5,350.27	242.06
	08 36 13 00-0007	EA		12' x 16', Wood Sectional Door, Manual Lift .....	5,511.00	314.37
	08 36 13 00-0008	EA		20' x 8', Wood Sectional Door, Manual Lift .....	4,844.97	392.95
	08 36 13 00-0009	EA		20' x 16', Wood Sectional Door, Manual Lift .....	9,680.23	523.82

**08 36 13 00-0010 Residential Grade, Wood Sectional Overhead Doors** (08 36 13 00-0001)

Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.

	08 36 13 00-0011	EA		9' x 7', Residential Grade, Wood Sectional Door, Manual Lift .....	1,103.27	78.59
				<i>For Hardboard Face, Add</i>	115.00	
				<i>For Insulation, Add</i>	117.00	
				<i>For Motor Operator With Remote Controls, Add</i>	301.11	
				<i>For Each Glass Vision Panel In Door, Add</i>	50.00	
	08 36 13 00-0012	EA		16' x 7', Residential Grade, Wood Sectional Door, Manual Lift .....	1,887.90	78.59
				<i>For Hardboard Face, Add</i>	115.00	
				<i>For Insulation, Add</i>	117.00	
				<i>For Motor Operator With Remote Controls, Add</i>	312.79	
				<i>For Each Glass Vision Panel In Door, Add</i>	50.00	

**08 36 13 00-0013 Sectional Metal Overhead Doors (Width x Height)** (08 36 13)

Note: Includes tracks and all hardware.

**08 36 13 00-0014 Galvanized Steel Sectional Overhead Doors** (08 36 13 00-0013)

**08 36 13 00-0015 Non-Insulated, 24 Gauge Galvanized Steel Sectional Doors** (08 36 13 00-0014)

Note: Includes 2" door, tracks and hardware. Excludes frame.

	08 36 13 00-0016	EA		8' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	841.26	137.53
				<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	82.10	
				<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	141.55	
				<i>For Aluminum, Mill Finish, Add</i>	64.55	
				<i>For Aluminum, Anodized Finish, Add</i>	180.61	
	08 36 13 00-0017	EA		8' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	997.89	157.18
				<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	99.11	
				<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	170.88	
				<i>For Aluminum, Mill Finish, Add</i>	77.92	
				<i>For Aluminum, Anodized Finish, Add</i>	218.04	
	08 36 13 00-0018	EA		8' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	1,228.65	196.48
				<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	121.18	
				<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	208.93	
				<i>For Aluminum, Mill Finish, Add</i>	95.27	
				<i>For Aluminum, Anodized Finish, Add</i>	266.59	

<b>08</b>	<b>Openings</b>
<b>08 30</b>	<b>Specialty Doors And Frames</b>
<b>08 36</b>	<b>Panel Doors</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0019	EA		10' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	945.63	157.18
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	91.53	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	157.82	
			<i>For Aluminum, Mill Finish, Add</i>	71.96	
			<i>For Aluminum, Anodized Finish, Add</i>	201.37	
08 36 13 00-0020	EA		10' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	1,161.72	196.48
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	111.47	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	192.19	
			<i>For Aluminum, Mill Finish, Add</i>	87.64	
			<i>For Aluminum, Anodized Finish, Add</i>	245.24	
08 36 13 00-0021	EA		10' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	1,451.05	255.42
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	136.33	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	235.05	
			<i>For Aluminum, Mill Finish, Add</i>	107.18	
			<i>For Aluminum, Anodized Finish, Add</i>	299.93	
08 36 13 00-0022	EA		10' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	1,699.12	314.37
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	155.21	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	267.60	
			<i>For Aluminum, Mill Finish, Add</i>	122.02	
			<i>For Aluminum, Anodized Finish, Add</i>	341.45	
08 36 13 00-0023	EA		12' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	1,117.73	196.48
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	105.09	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	181.20	
			<i>For Aluminum, Mill Finish, Add</i>	82.62	
			<i>For Aluminum, Anodized Finish, Add</i>	231.20	
08 36 13 00-0024	EA		12' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	1,385.05	255.42
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	126.76	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	218.55	
			<i>For Aluminum, Mill Finish, Add</i>	99.66	
			<i>For Aluminum, Anodized Finish, Add</i>	278.87	
08 36 13 00-0025	EA		12' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	1,687.19	314.37
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	153.48	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	264.62	
			<i>For Aluminum, Mill Finish, Add</i>	120.66	
			<i>For Aluminum, Anodized Finish, Add</i>	337.65	
08 36 13 00-0026	EA		12' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	1,987.51	373.31
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	179.93	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	310.23	
			<i>For Aluminum, Mill Finish, Add</i>	141.46	
			<i>For Aluminum, Anodized Finish, Add</i>	395.85	
08 36 13 00-0027	EA		12' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	2,363.81	451.90
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	211.70	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	365.00	
			<i>For Aluminum, Mill Finish, Add</i>	166.44	
			<i>For Aluminum, Anodized Finish, Add</i>	465.74	
08 36 13 00-0028	EA		14' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	1,297.96	255.42
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	114.13	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	196.78	
			<i>For Aluminum, Mill Finish, Add</i>	89.73	
			<i>For Aluminum, Anodized Finish, Add</i>	251.09	
08 36 13 00-0029	EA		14' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	1,596.44	314.37
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	140.32	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	241.93	
			<i>For Aluminum, Mill Finish, Add</i>	110.32	
			<i>For Aluminum, Anodized Finish, Add</i>	308.70	
08 36 13 00-0030	EA		14' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	1,963.56	392.95
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	170.76	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	294.41	
			<i>For Aluminum, Mill Finish, Add</i>	134.25	
			<i>For Aluminum, Anodized Finish, Add</i>	375.67	
08 36 13 00-0031	EA		14' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	2,265.71	451.90
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	197.48	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	340.48	
			<i>For Aluminum, Mill Finish, Add</i>	155.26	
			<i>For Aluminum, Anodized Finish, Add</i>	434.45	
08 36 13 00-0032	EA		14' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	2,616.45	510.84
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	231.24	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	398.69	
			<i>For Aluminum, Mill Finish, Add</i>	181.80	
			<i>For Aluminum, Anodized Finish, Add</i>	508.73	
08 36 13 00-0033	EA		16' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	1,564.35	314.37
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	135.66	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	233.91	
			<i>For Aluminum, Mill Finish, Add</i>	106.66	
			<i>For Aluminum, Anodized Finish, Add</i>	298.46	
08 36 13 00-0034	EA		16' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	1,929.64	392.95
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	165.84	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	285.93	
			<i>For Aluminum, Mill Finish, Add</i>	130.38	
			<i>For Aluminum, Anodized Finish, Add</i>	364.85	
08 36 13 00-0035	EA		16' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	2,283.12	451.90
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	200.00	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	344.83	
			<i>For Aluminum, Mill Finish, Add</i>	157.24	
			<i>For Aluminum, Anodized Finish, Add</i>	440.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0036 EA 16' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,753.96	510.84
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	251.18	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	433.07	
<i>For Aluminum, Mill Finish, Add</i>	197.48	
<i>For Aluminum, Anodized Finish, Add</i>	552.59	
08 36 13 00-0037 EA 16' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,214.59	589.43
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	295.18	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	508.93	
<i>For Aluminum, Mill Finish, Add</i>	232.07	
<i>For Aluminum, Anodized Finish, Add</i>	649.39	
08 36 13 00-0038 EA 18' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,000.24	392.95
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	176.08	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	303.58	
<i>For Aluminum, Mill Finish, Add</i>	138.43	
<i>For Aluminum, Anodized Finish, Add</i>	387.37	
08 36 13 00-0039 EA 18' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,409.64	451.90
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	218.35	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	376.46	
<i>For Aluminum, Mill Finish, Add</i>	171.67	
<i>For Aluminum, Anodized Finish, Add</i>	480.36	
08 36 13 00-0040 EA 18' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,955.64	510.84
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	280.42	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	483.49	
<i>For Aluminum, Mill Finish, Add</i>	220.47	
<i>For Aluminum, Anodized Finish, Add</i>	616.93	
08 36 13 00-0041 EA 18' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,417.19	589.43
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	324.55	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	559.58	
<i>For Aluminum, Mill Finish, Add</i>	255.17	
<i>For Aluminum, Anodized Finish, Add</i>	714.02	
08 36 13 00-0042 EA 18' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,935.57	668.03
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	376.93	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	649.88	
<i>For Aluminum, Mill Finish, Add</i>	296.34	
<i>For Aluminum, Anodized Finish, Add</i>	829.24	
08 36 13 00-0043 EA 20' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,265.71	451.90
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	197.48	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	340.48	
<i>For Aluminum, Mill Finish, Add</i>	155.26	
<i>For Aluminum, Anodized Finish, Add</i>	434.45	
08 36 13 00-0044 EA 20' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,675.13	510.84
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	239.75	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	413.36	
<i>For Aluminum, Mill Finish, Add</i>	188.49	
<i>For Aluminum, Anodized Finish, Add</i>	527.45	
08 36 13 00-0045 EA 20' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,346.60	589.43
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	314.32	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	541.93	
<i>For Aluminum, Mill Finish, Add</i>	247.12	
<i>For Aluminum, Anodized Finish, Add</i>	691.50	
08 36 13 00-0046 EA 20' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,808.14	668.03
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	358.45	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	618.02	
<i>For Aluminum, Mill Finish, Add</i>	281.82	
<i>For Aluminum, Anodized Finish, Add</i>	788.59	
08 36 13 00-0047 EA 20' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,788.57	746.61
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	477.82	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	823.83	
<i>For Aluminum, Mill Finish, Add</i>	375.67	
<i>For Aluminum, Anodized Finish, Add</i>	1,051.21	
08 36 13 00-0048 EA 22' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	2,513.77	510.84
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	216.35	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	373.02	
<i>For Aluminum, Mill Finish, Add</i>	170.10	
<i>For Aluminum, Anodized Finish, Add</i>	475.97	
08 36 13 00-0049 EA 22' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,149.51	589.43
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	285.74	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	492.66	
<i>For Aluminum, Mill Finish, Add</i>	224.65	
<i>For Aluminum, Anodized Finish, Add</i>	628.63	
08 36 13 00-0050 EA 22' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,766.89	668.03
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	352.47	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	607.71	
<i>For Aluminum, Mill Finish, Add</i>	277.11	
<i>For Aluminum, Anodized Finish, Add</i>	775.43	
08 36 13 00-0051 EA 22' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,492.46	746.61
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	434.89	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	749.80	
<i>For Aluminum, Mill Finish, Add</i>	341.91	
<i>For Aluminum, Anodized Finish, Add</i>	956.75	
08 36 13 00-0052 EA 22' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,085.08	825.21
<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	498.03	
<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	858.67	
<i>For Aluminum, Mill Finish, Add</i>	391.55	
<i>For Aluminum, Anodized Finish, Add</i>	1,095.66	

<b>08</b>	<b>Openings</b>
<b>08 30</b>	<b>Specialty Doors And Frames</b>
<b>08 36</b>	<b>Panel Doors</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0053	EA		24' x 8', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	2,759.90	589.43
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	229.25	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	395.26	
			<i>For Aluminum, Mill Finish, Add</i>	180.24	
			<i>For Aluminum, Anodized Finish, Add</i>	504.35	
08 36 13 00-0054	EA		24' x 10', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	3,424.02	668.03
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	302.75	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	521.99	
			<i>For Aluminum, Mill Finish, Add</i>	238.03	
			<i>For Aluminum, Anodized Finish, Add</i>	666.06	
08 36 13 00-0055	EA		24' x 12', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	4,246.77	746.61
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	399.26	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	688.38	
			<i>For Aluminum, Mill Finish, Add</i>	313.90	
			<i>For Aluminum, Anodized Finish, Add</i>	878.37	
08 36 13 00-0056	EA		24' x 14', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	4,758.73	825.21
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	450.70	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	777.08	
			<i>For Aluminum, Mill Finish, Add</i>	354.35	
			<i>For Aluminum, Anodized Finish, Add</i>	991.55	
08 36 13 00-0057	EA		24' x 16', Non Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	5,367.86	903.80
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	516.24	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	890.07	
			<i>For Aluminum, Mill Finish, Add</i>	405.87	
			<i>For Aluminum, Anodized Finish, Add</i>	1,135.72	
<b>08 36 13 00-0058</b>			<b>Insulated, 24 Gauge Galvanized Steel Sectional Doors</b> <small>(08 36 13 00-0014)</small>		
			Note: Includes 2" door with polystyrene insulation, 26 gauge interior cover, tracks and hardware. Excludes frame.		
08 36 13 00-0059	EA		8' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	1,111.04	137.53
			<i>For Aluminum, Mill Finish, Add</i>	95.30	
			<i>For Aluminum, Anodized Finish, Add</i>	266.67	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	41.80	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	183.91	
08 36 13 00-0060	EA		8' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	1,332.75	157.18
			<i>For Aluminum, Mill Finish, Add</i>	116.10	
			<i>For Aluminum, Anodized Finish, Add</i>	324.86	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	50.92	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	224.04	
08 36 13 00-0061	EA		8' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	1,632.62	196.48
			<i>For Aluminum, Mill Finish, Add</i>	141.32	
			<i>For Aluminum, Anodized Finish, Add</i>	395.45	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	61.98	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	272.73	
08 36 13 00-0062	EA		10' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	1,295.56	157.18
			<i>For Aluminum, Mill Finish, Add</i>	111.86	
			<i>For Aluminum, Anodized Finish, Add</i>	313.00	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	49.06	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	215.86	
08 36 13 00-0063	EA		10' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	1,586.81	196.48
			<i>For Aluminum, Mill Finish, Add</i>	136.10	
			<i>For Aluminum, Anodized Finish, Add</i>	380.84	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	59.69	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	262.65	
08 36 13 00-0064	EA		10' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	2,009.85	255.42
			<i>For Aluminum, Mill Finish, Add</i>	170.89	
			<i>For Aluminum, Anodized Finish, Add</i>	478.18	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	74.95	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	329.78	
08 36 13 00-0065	EA		10' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	2,309.28	314.37
			<i>For Aluminum, Mill Finish, Add</i>	191.58	
			<i>For Aluminum, Anodized Finish, Add</i>	536.10	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	84.03	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	369.72	
08 36 13 00-0066	EA		12' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	1,516.79	196.48
			<i>For Aluminum, Mill Finish, Add</i>	128.12	
			<i>For Aluminum, Anodized Finish, Add</i>	358.50	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	56.19	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	247.24	
08 36 13 00-0067	EA		12' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	1,877.59	255.42
			<i>For Aluminum, Mill Finish, Add</i>	155.81	
			<i>For Aluminum, Anodized Finish, Add</i>	435.99	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	68.34	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	300.69	
08 36 13 00-0068	EA		12' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	2,285.95	314.37
			<i>For Aluminum, Mill Finish, Add</i>	188.92	
			<i>For Aluminum, Anodized Finish, Add</i>	528.65	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	82.86	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	364.59	
08 36 13 00-0069	EA		12' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	2,665.76	373.31
			<i>For Aluminum, Mill Finish, Add</i>	218.78	
			<i>For Aluminum, Anodized Finish, Add</i>	612.21	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	95.96	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	422.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0070 EA 12' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,237.90 266.09 744.58 116.71 513.50	451.90
08 36 13 00-0071 EA 14' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,774.72 144.08 403.18 63.19 278.05	255.42
08 36 13 00-0072 EA 14' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,203.82 179.56 502.45 78.75 346.52	314.37
08 36 13 00-0073 EA 14' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,667.90 214.55 600.35 94.10 414.04	392.95
08 36 13 00-0074 EA 14' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,158.36 257.02 719.20 112.73 496.00	451.90
08 36 13 00-0075 EA 14' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,635.01 297.92 833.65 130.67 574.93	510.84
08 36 13 00-0076 EA 16' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,114.78 169.41 474.05 74.30 326.93	314.37
08 36 13 00-0077 EA 16' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,737.06 222.43 622.41 97.56 429.25	392.95
08 36 13 00-0078 EA 16' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,205.04 262.34 734.10 115.06 506.27	451.90
08 36 13 00-0079 EA 16' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,676.50 302.65 846.88 132.74 584.06	510.84
08 36 13 00-0080 EA 16' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,366.20 363.35 1,016.76 159.37 701.21	589.43
08 36 13 00-0081 EA 18' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,401.64 184.19 515.41 80.79 355.46	392.95
08 36 13 00-0082 EA 18' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,020.91 241.35 675.36 105.86 465.76	451.90
08 36 13 00-0083 EA 18' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,524.35 285.30 798.35 125.13 550.59	510.84
08 36 13 00-0084 EA 18' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,454.38 373.41 1,044.88 163.78 720.61	589.43
08 36 13 00-0085 EA 18' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,852.74 400.90 1,121.82 175.83 773.67	668.03
08 36 13 00-0086 EA 20' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i> <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,004.48 239.48 670.12 105.03 462.15	451.90



**08 Openings****08 30 Specialty Doors And Frames****08 36 Panel Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0087	EA		20' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,562.39	510.84
			<i>For Aluminum, Mill Finish, Add</i>	289.64	
			<i>For Aluminum, Anodized Finish, Add</i>	810.48	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	127.04	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	558.95	
08 36 13 00-0088	EA		20' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,631.59	589.43
			<i>For Aluminum, Mill Finish, Add</i>	393.61	
			<i>For Aluminum, Anodized Finish, Add</i>	1,101.41	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	172.64	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	759.60	
08 36 13 00-0089	EA		20' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,010.94	668.03
			<i>For Aluminum, Mill Finish, Add</i>	418.94	
			<i>For Aluminum, Anodized Finish, Add</i>	1,172.29	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	183.74	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	808.47	
08 36 13 00-0090	EA		20' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,857.11	746.61
			<i>For Aluminum, Mill Finish, Add</i>	497.48	
			<i>For Aluminum, Anodized Finish, Add</i>	1,392.07	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	218.19	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	960.05	
08 36 13 00-0091	EA		22' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,277.98	510.84
			<i>For Aluminum, Mill Finish, Add</i>	257.22	
			<i>For Aluminum, Anodized Finish, Add</i>	719.76	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	112.81	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	496.38	
08 36 13 00-0092	EA		22' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,104.27	589.43
			<i>For Aluminum, Mill Finish, Add</i>	333.49	
			<i>For Aluminum, Anodized Finish, Add</i>	933.20	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	146.27	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	643.59	
08 36 13 00-0093	EA		22' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,915.86	668.03
			<i>For Aluminum, Mill Finish, Add</i>	408.10	
			<i>For Aluminum, Anodized Finish, Add</i>	1,141.96	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	178.99	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	787.56	
08 36 13 00-0094	EA		22' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,529.48	746.61
			<i>For Aluminum, Mill Finish, Add</i>	460.13	
			<i>For Aluminum, Anodized Finish, Add</i>	1,287.56	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	201.81	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	887.97	
08 36 13 00-0095	EA		22' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,341.05	825.21
			<i>For Aluminum, Mill Finish, Add</i>	534.73	
			<i>For Aluminum, Anodized Finish, Add</i>	1,496.31	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	234.53	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,031.94	
08 36 13 00-0096	EA		24' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,626.21	589.43
			<i>For Aluminum, Mill Finish, Add</i>	279.00	
			<i>For Aluminum, Anodized Finish, Add</i>	780.70	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	122.37	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	538.41	
08 36 13 00-0097	EA		24' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,548.46	668.03
			<i>For Aluminum, Mill Finish, Add</i>	366.21	
			<i>For Aluminum, Anodized Finish, Add</i>	1,024.76	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	160.62	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	706.73	
08 36 13 00-0098	EA		24' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,310.78	746.61
			<i>For Aluminum, Mill Finish, Add</i>	435.20	
			<i>For Aluminum, Anodized Finish, Add</i>	1,217.79	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	190.88	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	839.86	
08 36 13 00-0099	EA		24' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,124.08	825.21
			<i>For Aluminum, Mill Finish, Add</i>	510.00	
			<i>For Aluminum, Anodized Finish, Add</i>	1,427.10	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	223.68	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	984.21	
08 36 13 00-0100	EA		24' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,922.70	903.80
			<i>For Aluminum, Mill Finish, Add</i>	583.12	
			<i>For Aluminum, Anodized Finish, Add</i>	1,631.72	
			<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	255.76	
			<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,125.32	
08 36 13 00-0101			<b>Residential Grade, Galvanized Steel Sectional Overhead Doors</b> <small>(08 36 13 00-0013)</small>		
			Note: Includes track and hardware. Excludes frame.		
08 36 13 00-0102	EA		9' x 7', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	625.39	78.59
			<i>For Aluminum And Fiberglass, Add</i>	132.96	
			<i>For Each Glass Vision Panel In Door, Add</i>	50.00	
			<i>For Insulated Door, Add</i>	154.41	
08 36 13 00-0103	EA		9' x 8', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	702.36	78.59
			<i>For Aluminum And Fiberglass, Add</i>	156.82	
			<i>For Each Glass Vision Panel In Door, Add</i>	50.00	
			<i>For Insulated Door, Add</i>	182.12	
08 36 13 00-0104	EA		16' x 7', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	933.60	89.91
			<i>For Aluminum And Fiberglass, Add</i>	219.89	
			<i>For Each Glass Vision Panel In Door, Add</i>	50.00	
			<i>For Insulated Door, Add</i>	255.35	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0105	EA			16' x 8', Non Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift ..... <i>For Aluminum And Fiberglass, Add</i> <i>For Each Glass Vision Panel In Door, Add</i> <i>For Insulated Door, Add</i>	1,054.55 257.38 50.00 298.89	89.91
08 36 13 00-0106				<b>Remove And Reinstall Sectional Metal Overhead Doors And Supports</b> (08 36 13 00-0103) Note: Includes storage, cleaning and supply materials.		
08 36 13 00-0107	SF			Removal And Reinstallation Of Sectional Metal Overhead Door And Supports .....	5.87	
08 36 13 00-0108				<b>Sectional Fiberglass Overhead Doors (Width x Height)</b> (08 36 13)		
08 36 13 00-0109				<b>Fiberglass Sectional Overhead Doors</b> (08 36 13 00-0108)		
08 36 13 00-0110				<b>Non-Insulated, Fiberglass Sectional Doors</b> (08 36 13 00-0109) Note: Includes 2" door, tracks and hardware. Excludes frame.		
08 36 13 00-0111	EA			8' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	1,043.56	137.53
08 36 13 00-0112	EA			8' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	1,240.81	157.18
08 36 13 00-0113	EA			8' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	1,464.74	196.48
08 36 13 00-0114	EA			10' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	1,225.64	157.18
08 36 13 00-0115	EA			10' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	1,465.86	176.84
08 36 13 00-0116	EA			10' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	1,819.55	245.60
08 36 13 00-0117	EA			10' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	2,175.54	314.37
08 36 13 00-0118	EA			12' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	1,443.25	196.48
08 36 13 00-0119	EA			12' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	1,810.70	245.60
08 36 13 00-0120	EA			12' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	2,172.98	294.72
08 36 13 00-0121	EA			12' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	2,632.48	392.95
08 36 13 00-0122	EA			12' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	3,056.03	471.55
08 36 13 00-0123	EA			14' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	1,739.38	275.07
08 36 13 00-0124	EA			14' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	2,122.46	314.37
08 36 13 00-0125	EA			14' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	2,586.98	392.95
08 36 13 00-0126	EA			14' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	3,050.98	471.55
08 36 13 00-0127	EA			14' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	3,437.77	510.84
08 36 13 00-0128	EA			16' x 8', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	1,974.58	314.37
08 36 13 00-0129	EA			16' x 10', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	2,386.99	353.66
08 36 13 00-0130	EA			16' x 12', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	2,885.76	432.26
08 36 13 00-0131	EA			16' x 14', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	3,378.36	510.84
08 36 13 00-0132	EA			16' x 16', Non Insulated, Fiberglass Sectional Door, Manual Lift .....	3,792.21	550.14
08 36 13 00-0133				<b>Insulated, Fiberglass Sectional Doors</b> (08 36 13 00-0109) Note: Includes 2" door with polystyrene insulation, tracks and hardware. Excludes frame.		
08 36 13 00-0134	EA			8' x 8', Insulated, Fiberglass Sectional Door, Manual Lift .....	1,297.15	137.53
08 36 13 00-0135	EA			8' x 10', Insulated, Fiberglass Sectional Door, Manual Lift .....	1,546.53	157.18
08 36 13 00-0136	EA			8' x 12', Insulated, Fiberglass Sectional Door, Manual Lift .....	1,818.43	196.48
08 36 13 00-0137	EA			10' x 8', Insulated, Fiberglass Sectional Door, Manual Lift .....	1,526.36	157.18
08 36 13 00-0138	EA			10' x 10', Insulated, Fiberglass Sectional Door, Manual Lift .....	1,832.90	176.84
08 36 13 00-0139	EA			10' x 12', Insulated, Fiberglass Sectional Door, Manual Lift .....	2,257.91	245.60
08 36 13 00-0140	EA			10' x 14', Insulated, Fiberglass Sectional Door, Manual Lift .....	2,686.06	314.37
08 36 13 00-0141	EA			12' x 8', Insulated, Fiberglass Sectional Door, Manual Lift .....	1,789.85	196.48
08 36 13 00-0142	EA			12' x 10', Insulated, Fiberglass Sectional Door, Manual Lift .....	2,246.14	245.60
08 36 13 00-0143	EA			12' x 12', Insulated, Fiberglass Sectional Door, Manual Lift .....	2,695.59	294.72
08 36 13 00-0144	EA			12' x 14', Insulated, Fiberglass Sectional Door, Manual Lift .....	3,241.84	392.95
08 36 13 00-0145	EA			12' x 16', Insulated, Fiberglass Sectional Door, Manual Lift .....	3,753.40	471.55
08 36 13 00-0146	EA			14' x 8', Insulated, Fiberglass Sectional Door, Manual Lift .....	2,131.86	275.07
08 36 13 00-0147	EA			14' x 10', Insulated, Fiberglass Sectional Door, Manual Lift .....	2,615.46	314.37
08 36 13 00-0148	EA			14' x 12', Insulated, Fiberglass Sectional Door, Manual Lift .....	3,181.33	392.95
08 36 13 00-0149	EA			14' x 14', Insulated, Fiberglass Sectional Door, Manual Lift .....	3,746.68	471.55
08 36 13 00-0150	EA			14' x 16', Insulated, Fiberglass Sectional Door, Manual Lift .....	4,235.24	510.84
08 36 13 00-0151	EA			16' x 8', Insulated, Fiberglass Sectional Door, Manual Lift .....	2,418.78	314.37
08 36 13 00-0152	EA			16' x 10', Insulated, Fiberglass Sectional Door, Manual Lift .....	2,941.30	353.66
08 36 13 00-0153	EA			16' x 12', Insulated, Fiberglass Sectional Door, Manual Lift .....	3,552.68	432.26
08 36 13 00-0154	EA			16' x 14', Insulated, Fiberglass Sectional Door, Manual Lift .....	4,156.23	510.84
08 36 13 00-0155	EA			16' x 16', Insulated, Fiberglass Sectional Door, Manual Lift .....	4,680.60	550.14
08 36 13 00-0156				<b>Sectional Overhead Door Accessories</b> (08 36 13)		
08 36 13 00-0157				<b>Sectional Overhead Door Accessories</b> (08 36 13 00-0156)		
08 36 13 00-0158	LF			Flap Seal For Sectional Overhead Doors .....	2.06	
08 36 13 00-0159	LF			Weather Seal At Top Of Door For Sectional Overhead Doors .....	3.23	
08 36 13 00-0160	LF			Astragal Only, Weather Strip At Bottom Of Door For Sectional Overhead Doors .....	1.43	
08 36 13 00-0161	EA			Cylinder Lock For Sectional Overhead Doors .....	225.71	
08 36 13 00-0162	EA			Manual Chain Hoist For Sectional Overhead Doors .....	388.56	
08 36 13 00-0163	EA			Electric Chain Lift Operator For Sectional Overhead Doors .....	1,778.85	
				Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 36 13 00-0164	EA			1/2 HP Trolley Operator For Sectional Overhead Doors .....	756.09	
				Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		

<b>08</b>	<b>Openings</b>
<b>08 30</b>	<b>Specialty Doors And Frames</b>
<b>08 36</b>	<b>Panel Doors</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36	13 00-0165	EA	3/4 HP Trolley Operator.....995.46 Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
			<i>For Door Height &gt;12', Add</i>	10.00	
			<i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>		
08 36	13 00-0166	SF	Up To 2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors .....21.34 Note: Additional cost for factory supplied.		
08 36	13 00-0167	SF	>2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors.....13.31 Note: Additional cost for factory supplied.		
08 36	13 00-0168	SF	Up To 2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors .....22.31 Note: Additional cost for factory supplied.		
08 36	13 00-0169	SF	>2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors.....15.21 Note: Additional cost for factory supplied.		
08 36	13 00-0170	SF	Up To 2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors .....35.89 Note: Additional cost for factory supplied.		
08 36	13 00-0171	SF	>2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors.....24.23 Note: Additional cost for factory supplied.		
08 36	13 00-0172	EA	Vertical Lift Track For Sectional Overhead Doors Up To 12' High Door .....274.89 Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.		
08 36	13 00-0173	EA	Vertical Lift Track For Sectional Overhead Doors >12' To 16' High Door .....431.08 Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.		
08 36	13 00-0174	EA	Vertical Lift Track For Sectional Overhead Doors >16' To 20' High Door .....625.96 Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.		
08 36	13 00-0175	SF	25,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors .....0.95 Note: Additional cost for factory supplied/installed spring. Per SF of Door.		
08 36	13 00-0176	SF	50,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors .....1.22 Note: Additional cost for factory supplied/installed spring. Per SF of Door.		
08 36	13 00-0177	SF	100,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors .....1.61 Note: Additional cost for factory supplied/installed spring. Per SF of Door.		

**08 38 Traffic Doors** (08 30)**08 38 13 Flexible Strip Doors** (08 38)**08 38 13 00-0001 Clear Polyvinyl Chloride (PVC) Strip Doors** (08 38 13)

08 38	13 00-0002	SF	8" Smooth Strip, 0.080" Thick, 50% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....7.33 <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i>	0.54	1.97
			<i>For Ribbed Strip Material, Add</i>	1.13	
08 38	13 00-0003	SF	8" Smooth Strip, 0.080" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....9.72 <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i>	0.76	2.16
			<i>For Ribbed Strip Material, Add</i>	1.59	
08 38	13 00-0004	SF	12" Smooth Strip, 0.120" Thick, 66% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....8.72 <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i>	0.68	1.97
			<i>For Ribbed Strip Material, Add</i>	1.42	
08 38	13 00-0005	SF	12" Smooth Strip, 0.120" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....10.64 <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i>	0.85	2.16
			<i>For Ribbed Strip Material, Add</i>	1.78	
08 38	13 00-0006	SF	16" Smooth Strip, 0.160" Thick, 75% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door.....10.55 <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i>	0.86	1.97
			<i>For Ribbed Strip Material, Add</i>	1.80	

**08 38 13 00-0007 Clear Polyvinyl Chloride (PVC) Replacement Strips** (08 38 13)

08 38	13 00-0008	EA	8" Smooth Strip, 0.080" Thick, 7' Long, Replacement Strip .....21.08 <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i>	1.72	3.93
			<i>For Ribbed Strip Material, Add</i>	3.60	
08 38	13 00-0009	EA	8" Smooth Strip, 0.080" Thick, 8' Long, Replacement Strip .....23.66 <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i>	1.97	3.93
			<i>For Ribbed Strip Material, Add</i>	4.14	
08 38	13 00-0010	EA	12" Smooth Strip, 0.120" Thick, 8' Long, Replacement Strip .....48.66 <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i>	4.47	3.93
			<i>For Ribbed Strip Material, Add</i>	9.39	
08 38	13 00-0011	EA	12" Smooth Strip, 0.120" Thick, 10' Long, Replacement Strip .....59.51 <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i>	5.56	3.93
			<i>For Ribbed Strip Material, Add</i>	11.67	
08 38	13 00-0012	EA	12" Smooth Strip, 0.120" Thick, 12' Long, Replacement Strip .....70.73 <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i>	6.68	3.93
			<i>For Ribbed Strip Material, Add</i>	14.03	
08 38	13 00-0013	EA	16" Smooth Strip, 0.160" Thick, 15' Long, Replacement Strip .....119.65 <i>For Cooler/Freezer Doors, USDA Grade, Add</i> <i>Note: Low temperature to -40 degree F.</i>	11.57	3.93
			<i>For Ribbed Strip Material, Add</i>	24.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**08 38 16 Flexible Traffic Doors** (08 38)

Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.

08 38 16 00-0001	EA	0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (TMI Mega-Pro) <small>(08 38 16)</small>	1,708.80	39.29
08 38 16 00-0002		Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors <small>(08 38 16 00-0001)</small>		
08 38 16 00-0003		Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors <small>(08 38 16 00-0002)</small>		
08 38 16 00-0004	EA	72" x 84" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	1,708.80	39.29
08 38 16 00-0005	EA	72" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	1,848.93	39.29
08 38 16 00-0006	EA	96" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	3,871.03	45.19
08 38 16 00-0007	EA	96" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	4,344.97	49.12
08 38 16 00-0008	EA	108" x 108" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	6,770.07	49.12
08 38 16 00-0009	EA	108" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	7,083.79	49.12
08 38 16 00-0010	EA	120" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	7,881.95	58.95

**08 38 16 00-0011 Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors** (08 38 16 00-0002)

08 38 16 00-0012	EA	72" x 84" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	1,903.88	39.29
08 38 16 00-0013	EA	72" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	2,059.93	39.29
08 38 16 00-0014	EA	96" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	4,589.60	45.19
08 38 16 00-0015	EA	96" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	5,060.36	49.12
08 38 16 00-0016	EA	108" x 108" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	7,590.52	49.12
08 38 16 00-0017	EA	108" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	7,909.64	49.12
08 38 16 00-0018	EA	120" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	8,800.73	58.95

**08 38 16 00-0019 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (Eliason FMP)** (08 38 16)

Note: Includes pebble embossed finish and a 14" x 16" vinyl window.

08 38 16 00-0020	EA	Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors <small>(08 38 16 00-0019)</small>		
08 38 16 00-0021		84" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors <small>(08 38 16 00-0020)</small>		
08 38 16 00-0022	EA	24" To 36" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	855.04	21.61
08 38 16 00-0023	EA	40" To 44" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	923.43	21.61
08 38 16 00-0024		96" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors <small>(08 38 16 00-0020)</small>		
08 38 16 00-0025	EA	24" To 36" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	923.43	21.61
08 38 16 00-0026	EA	40" To 44" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	942.71	21.61
08 38 16 00-0027		Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors <small>(08 38 16 00-0019)</small>		
08 38 16 00-0028		84" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors <small>(08 38 16 00-0027)</small>		
08 38 16 00-0029	EA	48" To 72" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	1,698.30	37.34
08 38 16 00-0030	EA	80" To 88" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	1,835.06	37.34
08 38 16 00-0031		96" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors <small>(08 38 16 00-0027)</small>		
08 38 16 00-0032	EA	48" To 72" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	1,835.06	37.34
08 38 16 00-0033	EA	80" To 88" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	1,873.64	37.34

**08 38 19 Rigid Traffic Doors** (08 38)

Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.

08 38 19 00-0001	EA	0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (Eliason LWP-3) <small>(08 38 19)</small>		
08 38 19 00-0002		Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors <small>(08 38 19 00-0001)</small>		

**08 Openings****08 30 Specialty Doors And Frames****08 38 Traffic Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0003			<b>84" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors</b> <small>(08 38 19 00-0002)</small>		
08 38 19 00-0004	EA		24" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	407.93	21.61
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0005	EA		28" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	439.49	21.61
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0006	EA		30" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	453.73	22.60
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0007	EA		32" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	473.02	22.60
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0008	EA		36" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	494.28	23.58
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0009	EA		40" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	536.36	23.58
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0010	EA		42" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	554.52	26.53
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0011			<b>96" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors</b> <small>(08 38 19 00-0002)</small>		
08 38 19 00-0012	EA		24" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	462.28	21.61
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0013	EA		28" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	486.83	21.61
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0014	EA		30" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	502.83	22.60
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0015	EA		32" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	516.85	22.60
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0016	EA		36" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	566.17	23.58
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0017	EA		40" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	576.69	23.58
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0018	EA		42" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	593.10	26.53
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0019			<b>Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors</b> <small>(08 38 19 00-0001)</small>		
08 38 19 00-0020			<b>84" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors</b> <small>(08 38 19 00-0019)</small>		



<b>Openings</b>	<b>08</b>	<b>08</b>
Specialty Doors And Frames	08 30	
Traffic Doors	08 38	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0021	EA		48" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	804.06	37.34
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0022	EA		56" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	867.19	37.34
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0023	EA		60" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	891.73	37.34
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0024	EA		64" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	930.31	37.34
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0025	EA		72" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	972.82	39.29
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0026	EA		80" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,056.99	39.29
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0027	EA		84" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,081.53	39.29
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0028			<b>96" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors</b> <small>(08 38 19 00-0019)</small>		
08 38 19 00-0029	EA		48" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	912.78	37.34
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0030	EA		56" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	961.87	37.34
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0031	EA		60" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	989.92	37.34
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0032	EA		64" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,017.98	37.34
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0033	EA		72" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,116.60	39.29
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0034	EA		80" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,137.64	39.29
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0035	EA		84" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,158.68	39.29
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
			For Each 18" x 30" Window, Add	41.00	
08 38 19 00-0036			<b>3/4" Thick, Polymer Cell Core Impact Traffic Doors (Eliason P-11 Plus)</b> <small>(08 38 19)</small>		
			Note: Includes 0.125" thick thermoplastic exterior finish, 14 gauge back channel and a 14" x 16" acrylic window.		
08 38 19 00-0037			<b>Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0036)</small>		
08 38 19 00-0038			<b>84" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0037)</small>		
08 38 19 00-0039	EA		24" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	730.55	21.61
			For Each 15" x 20" Window, Add	6.00	
			For Each 18" x 30" Window, Add	19.00	

<b>08</b>	<b>Openings</b>
<b>08 30</b>	<b>Specialty Doors And Frames</b>
<b>08 38</b>	<b>Traffic Doors</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0040	EA		28" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	812.96 6.00 19.00	21.61
08 38 19 00-0041	EA		30" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	848.25 6.00 19.00	22.60
08 38 19 00-0042	EA		32" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	883.32 6.00 19.00	22.60
08 38 19 00-0043	EA		36" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	895.81 6.00 19.00	23.58
08 38 19 00-0044	EA		40" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	967.70 6.00 19.00	23.58
08 38 19 00-0045	EA		42" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,038.46 6.00 19.00	26.53
08 38 19 00-0046	EA		44" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,050.73 6.00 19.00	26.53
<b>08 38 19 00-0047</b>			<b>96" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0037)</small>		
08 38 19 00-0048	EA		24" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	800.69 6.00 19.00	21.61
08 38 19 00-0049	EA		28" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	886.61 6.00 19.00	21.61
08 38 19 00-0050	EA		30" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	921.89 6.00 19.00	22.60
08 38 19 00-0051	EA		32" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	965.73 6.00 19.00	22.60
08 38 19 00-0052	EA		36" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	999.26 6.00 19.00	23.58
08 38 19 00-0053	EA		40" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,069.39 6.00 19.00	23.58
08 38 19 00-0054	EA		42" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,103.34 6.00 19.00	26.53
08 38 19 00-0055	EA		44" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,147.17 6.00 19.00	26.53
<b>08 38 19 00-0056</b>			<b>Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0036)</small>		
<b>08 38 19 00-0057</b>			<b>84" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0056)</small>		
08 38 19 00-0058	EA		48" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,449.32 6.00 19.00	37.34
08 38 19 00-0059	EA		56" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,614.14 6.00 19.00	37.34
08 38 19 00-0060	EA		60" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,680.76 6.00 19.00	37.34
08 38 19 00-0061	EA		64" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,750.90 6.00 19.00	37.34
08 38 19 00-0062	EA		72" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,775.88 6.00 19.00	39.29
08 38 19 00-0063	EA		80" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,919.66 6.00 19.00	39.29
08 38 19 00-0064	EA		84" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,049.41 6.00 19.00	39.29
08 38 19 00-0065	EA		88" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,073.96 6.00 19.00	39.29
<b>08 38 19 00-0066</b>			<b>96" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0056)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0067 EA 48" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,589.59 6.00 19.00	37.34
08 38 19 00-0068 EA 56" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,761.42 6.00 19.00	37.34
08 38 19 00-0069 EA 60" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,828.05 6.00 19.00	37.34
08 38 19 00-0070 EA 64" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,915.72 6.00 19.00	37.34
08 38 19 00-0071 EA 72" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,982.78 6.00 19.00	39.29
08 38 19 00-0072 EA 80" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,123.05 6.00 19.00	39.29
08 38 19 00-0073 EA 84" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,179.16 6.00 19.00	39.29
08 38 19 00-0074 EA 88" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,266.83 6.00 19.00	39.29
<b>08 38 19 00-0075 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (Eliaison PMP-2)</b> <small>(08 38 19)</small> Note: Includes textured finish, 16 gauge back channel and a 14" x 16" window.		
<b>08 38 19 00-0076 Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors</b> <small>(08 38 19 00-0075)</small>		
<b>08 38 19 00-0077 84" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors</b> <small>(08 38 19 00-0076)</small>		
08 38 19 00-0078 EA 24" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	772.63 6.00 19.00	21.61
08 38 19 00-0079 EA 28" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	877.84 6.00 19.00	21.61
08 38 19 00-0080 EA 30" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	907.86 6.00 19.00	22.60
08 38 19 00-0081 EA 32" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	918.38 6.00 19.00	22.60
08 38 19 00-0082 EA 36" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	930.87 6.00 19.00	23.58
08 38 19 00-0083 EA 40" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,029.06 6.00 19.00	23.58
08 38 19 00-0084 EA 42" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,115.61 6.00 19.00	26.53
08 38 19 00-0085 EA 44" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,127.88 6.00 19.00	26.53
<b>08 38 19 00-0086 96" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors</b> <small>(08 38 19 00-0076)</small>		
08 38 19 00-0087 EA 24" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	795.43 6.00 19.00	21.61
08 38 19 00-0088 EA 28" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	925.18 6.00 19.00	21.61
08 38 19 00-0089 EA 30" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	956.96 6.00 19.00	22.60
08 38 19 00-0090 EA 32" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	970.99 6.00 19.00	22.60
08 38 19 00-0091 EA 36" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	976.46 6.00 19.00	23.58
08 38 19 00-0092 EA 40" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,048.35 6.00 19.00	23.58
08 38 19 00-0093 EA 42" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,133.14 6.00 19.00	26.53



**08 Openings****08 30 Specialty Doors And Frames****08 38 Traffic Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0094	EA		44" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,147.17	26.53
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
<b>08 38 19 00-0095</b>			<b>Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS)</b>		
			<b>Impact Traffic Doors</b> <small>(08 38 19 00-0075)</small>		
<b>08 38 19 00-0096</b>			<b>84" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene</b>		
			<b>Styrene (ABS) Impact Traffic Doors</b> <small>(08 38 19 00-0095)</small>		
08 38 19 00-0097	EA		48" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,533.48	37.34
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0098	EA		56" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,743.89	37.34
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0099	EA		60" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,800.00	37.34
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0100	EA		64" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,821.04	37.34
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0101	EA		72" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,846.02	39.29
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0102	EA		80" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	2,042.40	39.29
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0103	EA		84" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	2,203.71	39.29
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0104	EA		88" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	2,228.26	39.29
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
<b>08 38 19 00-0105</b>			<b>96" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene</b>		
			<b>Styrene (ABS) Impact Traffic Doors</b> <small>(08 38 19 00-0095)</small>		
08 38 19 00-0106	EA		48" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,579.07	37.34
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0107	EA		56" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,838.57	37.34
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0108	EA		60" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,898.19	37.34
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0109	EA		64" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,926.24	37.34
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0110	EA		72" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	1,937.19	39.29
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0111	EA		80" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	2,080.97	39.29
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0112	EA		84" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	2,238.78	39.29
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0113	EA		88" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	2,266.83	39.29
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
<b>08 38 19 00-0114</b>			<b>1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (Eliaison</b>		
			<b>SCP-2)</b> <small>(08 38 19)</small>		
			Note: Includes 0.032" tempered aluminum alloy top panel, 48" high 16 gauge stainless steel front and galvanized back base plate, 14 gauge galvanized steel back channel and a 9" x 14" window.		
<b>08 38 19 00-0115</b>			<b>Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic</b>		
			<b>Doors</b> <small>(08 38 19 00-0114)</small>		
<b>08 38 19 00-0116</b>			<b>84" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact</b>		
			<b>Traffic Doors</b> <small>(08 38 19 00-0115)</small>		
08 38 19 00-0117	EA		24" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	983.04	21.61
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0118	EA		28" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,075.97	21.61
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0119	EA			30" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,102.49	22.60
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0120	EA			32" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,125.28	22.60
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0121	EA			36" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,165.83	23.58
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0122	EA			40" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,209.66	23.58
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0123	EA			42" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,250.62	26.53
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0124	EA			44" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,280.43	26.53
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
<b>08 38 19 00-0125</b>				<b>96" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact</b>		
				<b>Traffic Doors</b> <small>(08 38 19 00-0115)</small>		
08 38 19 00-0126	EA			24" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,061.95	21.61
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0127	EA			28" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,160.14	21.61
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0128	EA			30" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,188.41	22.60
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0129	EA			32" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,200.68	22.60
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0130	EA			36" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,237.72	23.58
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0131	EA			40" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,295.58	23.58
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0132	EA			42" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,329.53	26.53
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0133	EA			44" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,359.33	26.53
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
<b>08 38 19 00-0134</b>				<b>Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic</b>		
				<b>Doors</b> <small>(08 38 19 00-0114)</small>		
<b>08 38 19 00-0135</b>				<b>84" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact</b>		
				<b>Traffic Doors</b> <small>(08 38 19 00-0134)</small>		
08 38 19 00-0136	EA			48" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	1,954.29	37.34
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0137	EA			56" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,140.16	37.34
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0138	EA			60" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,189.25	37.34
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0139	EA			64" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,234.84	37.34
				<i>For Each 14" x 16" Window, Add</i>	22.00	
				<i>For Each 15" x 20" Window, Add</i>	28.00	
				<i>For Each 18" x 30" Window, Add</i>	41.00	

**08 Openings****08 30 Specialty Doors And Frames****08 38 Traffic Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0140	EA		72" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,315.93	39.29
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0141	EA		80" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,403.60	39.29
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0142	EA		84" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,473.73	39.29
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0143	EA		88" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,533.35	39.29
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
<b>08 38 19 00-0144</b>			<b>96" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors <small>(08 38 19 00-0134)</small></b>		
08 38 19 00-0145	EA		48" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,112.10	37.34
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0146	EA		56" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,308.48	37.34
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0147	EA		60" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,361.08	37.34
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0148	EA		64" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,385.63	37.34
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0149	EA		72" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,459.71	39.29
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0150	EA		80" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,575.43	39.29
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0151	EA		84" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,631.54	39.29
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
08 38 19 00-0152	EA		88" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door.....	2,691.16	39.29
			<i>For Each 14" x 16" Window, Add</i>	22.00	
			<i>For Each 15" x 20" Window, Add</i>	28.00	
			<i>For Each 18" x 30" Window, Add</i>	41.00	
<b>08 38 19 00-0153</b>			<b>1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (Eliaison HCP-10) <small>(08 38 19 00-0154)</small></b>		
			<small><sup>19)</sup> Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window and 18" high easy spring bumpers.</small>		
<b>08 38 19 00-0154</b>			<b>Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0153)</small></b>		
<b>08 38 19 00-0155</b>			<b>84" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0154)</small></b>		
08 38 19 00-0156	EA		24" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door .....	965.51	21.61
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0157	EA		28" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door .....	1,016.36	21.61
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0158	EA		30" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door .....	1,063.92	22.60
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0159	EA		32" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door .....	1,093.72	22.60
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0160	EA		36" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door .....	1,169.34	23.58
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0161	EA		40" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door .....	1,228.95	23.58
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0162	EA		42" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door .....	1,282.18	26.53
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 38 19 00-0163	EA		44" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,338.29 6.00 19.00	26.53
<b>08 38 19 00-0164</b>				<b>90" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0154)</small>		
	08 38 19 00-0165	EA		24" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,000.58 6.00 19.00	21.61
	08 38 19 00-0166	EA		28" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,061.95 6.00 19.00	21.61
	08 38 19 00-0167	EA		30" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,093.72 6.00 19.00	22.60
	08 38 19 00-0168	EA		32" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,135.80 6.00 19.00	22.60
	08 38 19 00-0169	EA		36" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,216.68 6.00 19.00	23.58
	08 38 19 00-0170	EA		40" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,288.57 6.00 19.00	23.58
	08 38 19 00-0171	EA		42" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,338.29 6.00 19.00	26.53
	08 38 19 00-0172	EA		44" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,390.89 6.00 19.00	26.53
<b>08 38 19 00-0173</b>				<b>96" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0154)</small>		
	08 38 19 00-0174	EA		24" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,090.00 6.00 19.00	21.61
	08 38 19 00-0175	EA		28" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,102.27 6.00 19.00	21.61
	08 38 19 00-0176	EA		30" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,155.09 6.00 19.00	22.60
	08 38 19 00-0177	EA		32" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,193.67 6.00 19.00	22.60
	08 38 19 00-0178	EA		36" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,276.29 6.00 19.00	23.58
	08 38 19 00-0179	EA		40" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,362.21 6.00 19.00	23.58
	08 38 19 00-0180	EA		42" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,408.43 6.00 19.00	26.53
	08 38 19 00-0181	EA		44" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,461.03 6.00 19.00	26.53
<b>08 38 19 00-0182</b>				<b>Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0153)</small>		
<b>08 38 19 00-0183</b>				<b>84" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0182)</small>		
	08 38 19 00-0184	EA		48" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,919.23 6.00 19.00	37.34
	08 38 19 00-0185	EA		56" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,020.92 6.00 19.00	37.34
	08 38 19 00-0186	EA		60" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,112.10 6.00 19.00	37.34
	08 38 19 00-0187	EA		64" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,171.72 6.00 19.00	37.34
	08 38 19 00-0188	EA		72" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,322.94 6.00 19.00	39.29
	08 38 19 00-0189	EA		80" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,442.17 6.00 19.00	39.29

<b>08</b>	<b>Openings</b>
<b>08 30</b>	<b>Specialty Doors And Frames</b>
<b>08 38</b>	<b>Traffic Doors</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0190	EA		84" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,536.86	39.29
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0191	EA		88" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,649.07	39.29
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
<b>08 38 19 00-0192</b>			<b>90" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0192)</small>		
08 38 19 00-0193	EA		48" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	1,989.36	37.34
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0194	EA		56" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,112.10	37.34
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0195	EA		60" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,171.72	37.34
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0196	EA		64" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,255.88	37.34
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0197	EA		72" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,417.63	39.29
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0198	EA		80" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,561.40	39.29
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0199	EA		84" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,649.07	39.29
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0200	EA		88" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,754.28	39.29
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
<b>08 38 19 00-0201</b>			<b>96" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0192)</small>		
08 38 19 00-0202	EA		48" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,168.21	37.34
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0203	EA		56" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,192.76	37.34
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0204	EA		60" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,294.45	37.34
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0205	EA		64" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,371.60	37.34
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0206	EA		72" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,536.86	39.29
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0207	EA		80" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,708.69	39.29
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0208	EA		84" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,789.35	39.29
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0209	EA		88" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	2,894.55	39.29
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
<b>08 38 19 00-0210</b>			<b>1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (Eliason HFG-10)</b> <small>(08 38 19 00-0210)</small>		
			Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window, 18" high easy spring bumpers, and perimeter gasketing.		
<b>08 38 19 00-0211</b>			<b>Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors</b> <small>(08 38 19 00-0210)</small>		
<b>08 38 19 00-0212</b>			<b>84" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors</b> <small>(08 38 19 00-0211)</small>		
08 38 19 00-0213	EA		24" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	965.51	21.61
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0214	EA		28" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,016.36	21.61
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	
08 38 19 00-0215	EA		30" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door.....	1,063.92	22.60
			<i>For Each 15" x 20" Window, Add</i>	6.00	
			<i>For Each 18" x 30" Window, Add</i>	19.00	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0216	EA			32" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,093.72 6.00 19.00	22.60
08 38 19 00-0217	EA			36" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,169.34 6.00 19.00	23.58
08 38 19 00-0218	EA			40" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,228.95 6.00 19.00	23.58
08 38 19 00-0219	EA			42" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,282.18 6.00 19.00	26.53
08 38 19 00-0220	EA			44" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,338.29 6.00 19.00	26.53
<b>08 38 19 00-0221</b>				<b>90" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors</b> <small>(08 38 19 00-0211)</small>		
08 38 19 00-0222	EA			24" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,000.58 6.00 19.00	21.61
08 38 19 00-0223	EA			28" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,061.95 6.00 19.00	21.61
08 38 19 00-0224	EA			30" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,093.72 6.00 19.00	22.60
08 38 19 00-0225	EA			32" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,135.80 6.00 19.00	22.60
08 38 19 00-0226	EA			36" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,216.68 6.00 19.00	23.58
08 38 19 00-0227	EA			40" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,288.57 6.00 19.00	23.58
08 38 19 00-0228	EA			42" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,338.29 6.00 19.00	26.53
08 38 19 00-0229	EA			44" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,390.89 6.00 19.00	26.53
<b>08 38 19 00-0230</b>				<b>96" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors</b> <small>(08 38 19 00-0211)</small>		
08 38 19 00-0231	EA			24" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,090.00 6.00 19.00	21.61
08 38 19 00-0232	EA			28" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,102.27 6.00 19.00	21.61
08 38 19 00-0233	EA			30" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,155.09 6.00 19.00	22.60
08 38 19 00-0234	EA			32" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,193.67 6.00 19.00	22.60
08 38 19 00-0235	EA			36" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,276.29 6.00 19.00	23.58
08 38 19 00-0236	EA			40" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,362.21 6.00 19.00	23.58
08 38 19 00-0237	EA			42" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,408.43 6.00 19.00	26.53
08 38 19 00-0238	EA			44" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,461.03 6.00 19.00	26.53
<b>08 38 19 00-0239</b>				<b>Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors</b> <small>(08 38 19 00-0210)</small>		
<b>08 38 19 00-0240</b>				<b>84" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors</b> <small>(08 38 19 00-0239)</small>		
08 38 19 00-0241	EA			48" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,919.23 6.00 19.00	37.34
08 38 19 00-0242	EA			56" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,020.92 6.00 19.00	37.34

**08 Openings****08 30 Specialty Doors And Frames****08 38 Traffic Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0243	EA		60" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,112.10 6.00 19.00	37.34
08 38 19 00-0244	EA		64" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,171.72 6.00 19.00	37.34
08 38 19 00-0245	EA		72" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,322.94 6.00 19.00	39.29
08 38 19 00-0246	EA		80" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,442.17 6.00 19.00	39.29
08 38 19 00-0247	EA		84" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,536.86 6.00 19.00	39.29
08 38 19 00-0248	EA		88" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,649.07 6.00 19.00	39.29
<b>08 38 19 00-0249</b>			<b>90" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors</b> <small>(08 38 19 00-0239)</small>		
08 38 19 00-0250	EA		48" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	1,989.36 6.00 19.00	37.34
08 38 19 00-0251	EA		56" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,112.10 6.00 19.00	37.34
08 38 19 00-0252	EA		60" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,171.72 6.00 19.00	37.34
08 38 19 00-0253	EA		64" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,255.88 6.00 19.00	37.34
08 38 19 00-0254	EA		72" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,417.63 6.00 19.00	39.29
08 38 19 00-0255	EA		80" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,561.40 6.00 19.00	39.29
08 38 19 00-0256	EA		84" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,649.07 6.00 19.00	39.29
08 38 19 00-0257	EA		88" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,754.28 6.00 19.00	39.29
<b>08 38 19 00-0258</b>			<b>96" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors</b> <small>(08 38 19 00-0239)</small>		
08 38 19 00-0259	EA		48" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,168.21 6.00 19.00	37.34
08 38 19 00-0260	EA		56" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,192.76 6.00 19.00	37.34
08 38 19 00-0261	EA		60" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,294.45 6.00 19.00	37.34
08 38 19 00-0262	EA		64" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,371.60 6.00 19.00	37.34
08 38 19 00-0263	EA		72" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,536.86 6.00 19.00	39.29
08 38 19 00-0264	EA		80" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,708.69 6.00 19.00	39.29
08 38 19 00-0265	EA		84" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,789.35 6.00 19.00	39.29
08 38 19 00-0266	EA		88" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door ..... <i>For Each 15" x 20" Window, Add</i> <i>For Each 18" x 30" Window, Add</i>	2,894.55 6.00 19.00	39.29
<b>08 38 19 00-0267</b>			<b>Rigid Impact Traffic Door Accessories</b> <small>(08 38 19)</small>		
<b>08 38 19 00-0268</b>			<b>Bumper Strips For Impact Traffic Doors</b> <small>(08 38 19 00-0267)</small> Note: Includes two bumpers per set.		
08 38 19 00-0269	SET		24" Wide, Bumper Strips For Impact Traffic Doors .....	80.60	15.72
08 38 19 00-0270	SET		30" Wide, Bumper Strips For Impact Traffic Doors .....	89.36	15.72
08 38 19 00-0271	SET		36" Wide, Bumper Strips For Impact Traffic Doors .....	96.38	15.72
08 38 19 00-0272	SET		48" Wide, Bumper Strips For Impact Traffic Doors .....	108.65	15.72



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 38 19 00-0273</b> <b>Easy Spring Bumpers For Impact Traffic Doors</b> <small>(08 38 19 00-0267)</small>		
<small>Note: Includes two bumpers per set.</small>		
08 38 19 00-0274     SET 18" Height, Easy Spring Bumpers For Impact Traffic Doors .....	222.62	15.72
08 38 19 00-0275     SET 24" Height, Easy Spring Bumpers For Impact Traffic Doors .....	296.26	15.72
08 38 19 00-0276     SET 36" Height, Easy Spring Bumpers For Impact Traffic Doors .....	438.29	15.72
08 38 19 00-0277     SET 42" Height, Easy Spring Bumpers For Impact Traffic Doors .....	506.67	15.72
08 38 19 00-0278     SET 48" Height, Easy Spring Bumpers For Impact Traffic Doors .....	576.81	15.72
<b>08 38 19 00-0279</b> <b>Scuff Plates For Impact Traffic Doors</b> <small>(08 38 19 00-0267)</small>		
<small>Note: Includes two 0.090" thermoplastic plates per set.</small>		
<b>08 38 19 00-0280</b> <b>12" High, Scuff Plates For Impact Traffic Doors</b> <small>(08 38 19 00-0279)</small>		
08 38 19 00-0281     SET 24" Wide x 12" High, Impact Traffic Door Scuff Plates .....	96.38	15.72
08 38 19 00-0282     SET 30" Wide x 12" High, Impact Traffic Door Scuff Plates .....	103.39	15.72
08 38 19 00-0283     SET 36" Wide x 12" High, Impact Traffic Door Scuff Plates .....	112.16	15.72
08 38 19 00-0284     SET 42" Wide x 12" High, Impact Traffic Door Scuff Plates .....	124.43	15.72
08 38 19 00-0285     SET 48" Wide x 12" High, Impact Traffic Door Scuff Plates .....	131.44	15.72
<b>08 38 19 00-0286</b> <b>24" High, Scuff Plates For Impact Traffic Doors</b> <small>(08 38 19 00-0279)</small>		
08 38 19 00-0287     SET 24" Wide x 24" High, Impact Traffic Door Scuff Plates .....	131.44	15.72
08 38 19 00-0288     SET 30" Wide x 24" High, Impact Traffic Door Scuff Plates .....	163.01	15.72
08 38 19 00-0289     SET 36" Wide x 24" High, Impact Traffic Door Scuff Plates .....	180.54	15.72
08 38 19 00-0290     SET 42" Wide x 24" High, Impact Traffic Door Scuff Plates .....	205.09	15.72
08 38 19 00-0291     SET 48" Wide x 24" High, Impact Traffic Door Scuff Plates .....	220.87	15.72
<b>08 38 19 00-0292</b> <b>30" High, Scuff Plates For Impact Traffic Doors</b> <small>(08 38 19 00-0279)</small>		
08 38 19 00-0293     SET 24" Wide x 30" High, Impact Traffic Door Scuff Plates .....	163.01	15.72
08 38 19 00-0294     SET 30" Wide x 30" High, Impact Traffic Door Scuff Plates .....	191.06	15.72
08 38 19 00-0295     SET 36" Wide x 30" High, Impact Traffic Door Scuff Plates .....	212.10	15.72
08 38 19 00-0296     SET 42" Wide x 30" High, Impact Traffic Door Scuff Plates .....	250.68	15.72
08 38 19 00-0297     SET 48" Wide x 30" High, Impact Traffic Door Scuff Plates .....	276.98	15.72
<b>08 38 19 00-0298</b> <b>36" High, Scuff Plates For Impact Traffic Doors</b> <small>(08 38 19 00-0279)</small>		
08 38 19 00-0299     SET 24" Wide x 36" High, Impact Traffic Door Scuff Plates .....	180.54	15.72
08 38 19 00-0300     SET 30" Wide x 36" High, Impact Traffic Door Scuff Plates .....	212.10	15.72
08 38 19 00-0301     SET 36" Wide x 36" High, Impact Traffic Door Scuff Plates .....	247.17	15.72
08 38 19 00-0302     SET 42" Wide x 36" High, Impact Traffic Door Scuff Plates .....	266.46	15.72
08 38 19 00-0303     SET 48" Wide x 36" High, Impact Traffic Door Scuff Plates .....	296.26	15.72
<b>08 38 19 00-0304</b> <b>48" High, Scuff Plates For Impact Traffic Doors</b> <small>(08 38 19 00-0279)</small>		
08 38 19 00-0305     SET 24" Wide x 48" High, Impact Traffic Door Scuff Plates .....	220.87	15.72
08 38 19 00-0306     SET 30" Wide x 48" High, Impact Traffic Door Scuff Plates .....	276.98	15.72
08 38 19 00-0307     SET 36" Wide x 48" High, Impact Traffic Door Scuff Plates .....	296.26	15.72
08 38 19 00-0308     SET 42" Wide x 48" High, Impact Traffic Door Scuff Plates .....	333.09	15.72
08 38 19 00-0309     SET 48" Wide x 48" High, Impact Traffic Door Scuff Plates .....	373.41	15.72
<b>08 38 19 00-0310</b> <b>Base Plates For Impact Traffic Doors</b> <small>(08 38 19 00-0267)</small>		
<small>Note: Includes two base plates per set.</small>		
<b>08 38 19 00-0311</b> <b>Galvanized, 18 Gauge Base Plates For Impact Traffic Doors</b> <small>(08 38 19 00-0310)</small>		
<b>08 38 19 00-0312</b> <b>12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors</b> <small>(08 38 19 00-0311)</small>		
08 38 19 00-0313     SET 24" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	92.87	15.72
08 38 19 00-0314     SET 30" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	99.88	15.72
08 38 19 00-0315     SET 36" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	103.39	15.72
08 38 19 00-0316     SET 42" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	119.17	15.72
08 38 19 00-0317     SET 48" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	126.18	15.72
<b>08 38 19 00-0318</b> <b>24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors</b> <small>(08 38 19 00-0311)</small>		
08 38 19 00-0319     SET 24" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	119.17	15.72
08 38 19 00-0320     SET 30" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	129.69	15.72
08 38 19 00-0321     SET 36" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	140.21	15.72
08 38 19 00-0322     SET 42" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	148.98	15.72
08 38 19 00-0323     SET 48" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	163.01	15.72
<b>08 38 19 00-0324</b> <b>30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors</b> <small>(08 38 19 00-0311)</small>		
08 38 19 00-0325     SET 24" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	136.70	15.72
08 38 19 00-0326     SET 30" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	145.47	15.72
08 38 19 00-0327     SET 36" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	166.51	15.72



<b>08</b>	<b>Openings</b>
<b>08 30</b>	<b>Specialty Doors And Frames</b>
<b>08 38</b>	<b>Traffic Doors</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0328 SET 42" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	189.31	15.72
08 38 19 00-0329 SET 48" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	199.83	15.72
<b>08 38 19 00-0330 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)</b>		
08 38 19 00-0331 SET 24" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	145.47	15.72
08 38 19 00-0332 SET 30" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	163.01	15.72
08 38 19 00-0333 SET 36" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	189.31	15.72
08 38 19 00-0334 SET 42" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	210.35	15.72
08 38 19 00-0335 SET 48" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	222.62	15.72
<b>08 38 19 00-0336 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0311)</b>		
08 38 19 00-0337 SET 24" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	185.80	15.72
08 38 19 00-0338 SET 30" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	210.35	15.72
08 38 19 00-0339 SET 36" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	243.66	15.72
08 38 19 00-0340 SET 42" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	259.44	15.72
08 38 19 00-0341 SET 48" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	280.48	15.72
<b>08 38 19 00-0342 Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0310)</b>		
<b>08 38 19 00-0343 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)</b>		
08 38 19 00-0344 SET 24" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	124.43	15.72
08 38 19 00-0345 SET 30" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	131.44	15.72
08 38 19 00-0346 SET 36" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	152.49	15.72
08 38 19 00-0347 SET 42" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	163.01	15.72
08 38 19 00-0348 SET 48" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	192.81	15.72
<b>08 38 19 00-0349 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)</b>		
08 38 19 00-0350 SET 24" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	173.53	15.72
08 38 19 00-0351 SET 30" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	205.09	15.72
08 38 19 00-0352 SET 36" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	236.65	15.72
08 38 19 00-0353 SET 42" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	275.22	15.72
08 38 19 00-0354 SET 48" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	310.29	15.72
<b>08 38 19 00-0355 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)</b>		
08 38 19 00-0356 SET 24" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	198.07	15.72
08 38 19 00-0357 SET 30" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	240.16	15.72
08 38 19 00-0358 SET 36" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	278.73	15.72
08 38 19 00-0359 SET 42" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	319.06	15.72
08 38 19 00-0360 SET 48" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	366.40	15.72
<b>08 38 19 00-0361 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)</b>		
08 38 19 00-0362 SET 24" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	229.63	15.72
08 38 19 00-0363 SET 30" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	275.22	15.72
08 38 19 00-0364 SET 36" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	327.83	15.72
08 38 19 00-0365 SET 42" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	378.67	15.72
08 38 19 00-0366 SET 48" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	422.51	15.72
<b>08 38 19 00-0367 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0342)</b>		
08 38 19 00-0368 SET 24" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	285.74	15.72
08 38 19 00-0369 SET 30" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	394.45	15.72
08 38 19 00-0370 SET 36" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	422.51	15.72
08 38 19 00-0371 SET 42" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	506.67	15.72
08 38 19 00-0372 SET 48" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	555.77	15.72
<b>08 38 19 00-0373 One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0310)</b>		
<b>08 38 19 00-0374 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)</b>		
08 38 19 00-0375 SET 24" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	110.40	15.72
08 38 19 00-0376 SET 30" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	119.17	15.72
08 38 19 00-0377 SET 36" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	129.69	15.72
08 38 19 00-0378 SET 42" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	141.96	15.72
08 38 19 00-0379 SET 48" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	161.25	15.72
<b>08 38 19 00-0380 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors (08 38 19 00-0373)</b>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				08 38 19 00-0381 SET 24" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	148.98	15.72
				08 38 19 00-0382 SET 30" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	170.02	15.72
				08 38 19 00-0383 SET 36" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	191.06	15.72
				08 38 19 00-0384 SET 42" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	213.85	15.72
				08 38 19 00-0385 SET 48" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	240.16	15.72
<b>08 38 19 00-0386</b>				<b>30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors</b> <small>(08 38 19 00-0373)</small>		
				08 38 19 00-0387 SET 24" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	170.02	15.72
				08 38 19 00-0388 SET 30" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	196.32	15.72
				08 38 19 00-0389 SET 36" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	226.13	15.72
				08 38 19 00-0390 SET 42" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	262.95	15.72
				08 38 19 00-0391 SET 48" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	287.50	15.72
<b>08 38 19 00-0392</b>				<b>36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors</b> <small>(08 38 19 00-0373)</small>		
				08 38 19 00-0393 SET 24" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	191.06	15.72
				08 38 19 00-0394 SET 30" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	226.13	15.72
				08 38 19 00-0395 SET 36" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	262.95	15.72
				08 38 19 00-0396 SET 42" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	299.77	15.72
				08 38 19 00-0397 SET 48" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	326.07	15.72
<b>08 38 19 00-0398</b>				<b>48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors</b> <small>(08 38 19 00-0373)</small>		
				08 38 19 00-0399 SET 24" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	240.16	15.72
				08 38 19 00-0400 SET 30" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	294.51	15.72
				08 38 19 00-0401 SET 36" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	326.07	15.72
				08 38 19 00-0402 SET 42" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	389.19	15.72
				08 38 19 00-0403 SET 48" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	406.73	15.72
<b>08 38 19 00-0404</b>				<b>Jamb Guards For Impact Traffic Doors</b> <small>(08 38 19 00-0267)</small>		
				08 38 19 00-0405 EA 3" x 9", Jamb Guard For Impact Traffic Doors .....	151.15	19.65
				08 38 19 00-0406 EA 5" x 18", Jamb Guard For Impact Traffic Doors .....	203.76	19.65
				08 38 19 00-0407 EA 5" x 18", Stainless Steel Jamb Guard For Impact Traffic Doors .....	396.63	19.65
<b>08 38 19 00-0408</b>				<b>Other Impact Traffic Door Accessories</b> <small>(08 38 19 00-0267)</small>		
				08 38 19 00-0409 EA Push Plate For Impact Traffic Doors .....	37.87	9.82
				08 38 19 00-0410 EA Pull Handle For Impact Traffic Doors .....	50.15	9.82
				08 38 19 00-0411 EA Deadbolt Lock For Impact Traffic Doors .....	125.54	9.82
				08 38 19 00-0412 PR Lock Hole Reinforcements For Impact Traffic Doors .....	157.11	9.82
				08 38 19 00-0413 PR Padlock Brackets For Impact Traffic Doors .....	62.42	9.82
<b>08 38 19 00-0414</b>				<b>Impact Traffic Door Knock Down Frames</b> <small>(08 38 19)</small>		
				Note: Frames are 16 gauge galvanized steel with reinforcement at hardware locations.		
<b>08 38 19 00-0415</b>				<b>Single Door, Impact Traffic Door Knock Down Frames</b> <small>(08 38 19 00-0414)</small>		
<b>08 38 19 00-0416</b>				<b>84" Height, Single Door, Impact Traffic Door Knock Down Frames</b> <small>(08 38 19 00-0415)</small>		
				08 38 19 00-0417 EA 24" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame .....	372.12	29.47
				08 38 19 00-0418 EA 28" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame .....	437.67	32.42
				08 38 19 00-0419 EA 30" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame .....	447.55	34.39
				08 38 19 00-0420 EA 32" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame .....	458.65	37.34
				08 38 19 00-0421 EA 36" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame .....	469.30	39.29
				08 38 19 00-0422 EA 40" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame .....	489.31	41.26
				08 38 19 00-0423 EA 42" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame .....	504.00	43.23
				08 38 19 00-0424 EA 44" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame .....	513.83	45.19
<b>08 38 19 00-0425</b>				<b>90" Height, Single Door, Impact Traffic Door Knock Down Frames</b> <small>(08 38 19 00-0415)</small>		
				08 38 19 00-0426 EA 24" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame .....	379.94	29.47
				08 38 19 00-0427 EA 28" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame .....	446.98	32.42
				08 38 19 00-0428 EA 30" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame .....	457.03	34.39
				08 38 19 00-0429 EA 32" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame .....	468.25	37.34
				08 38 19 00-0430 EA 36" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame .....	479.07	39.29
				08 38 19 00-0431 EA 40" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame .....	499.48	41.26
				08 38 19 00-0432 EA 42" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame .....	514.44	43.23
				08 38 19 00-0433 EA 44" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame .....	524.42	45.19
<b>08 38 19 00-0434</b>				<b>96" Height, Single Door, Impact Traffic Door Knock Down Frames</b> <small>(08 38 19 00-0415)</small>		
				08 38 19 00-0435 EA 24" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame .....	390.34	29.47
				08 38 19 00-0436 EA 28" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame .....	459.36	32.42
				08 38 19 00-0437 EA 30" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame .....	469.60	34.39

<b>08</b>	<b>Openings</b>
<b>08 30</b>	<b>Specialty Doors And Frames</b>
<b>08 38</b>	<b>Traffic Doors</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0438	EA		32" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	477.92	37.34
08 38 19 00-0439	EA		36" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	492.04	39.29
08 38 19 00-0440	EA		40" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	509.65	41.26
08 38 19 00-0441	EA		42" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	528.31	43.23
08 38 19 00-0442	EA		44" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	539.25	44.21
<b>08 38 19 00-0443</b>			<b>Double Door, Impact Traffic Door Knock Down Frames</b> (08 38 19 00-0414)		
<b>08 38 19 00-0444</b>			<b>84" Height, Double Door, Impact Traffic Door Knock Down Frames</b> (08 38 19 00-0443)		
08 38 19 00-0445	EA		48" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	522.86	45.19
08 38 19 00-0446	EA		56" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	531.30	45.97
08 38 19 00-0447	EA		60" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	541.69	47.16
08 38 19 00-0448	EA		64" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	555.70	49.12
08 38 19 00-0449	EA		72" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	564.44	51.08
08 38 19 00-0450	EA		80" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	583.47	51.48
08 38 19 00-0451	EA		84" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	596.25	52.07
08 38 19 00-0452	EA		88" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	611.66	53.05
<b>08 38 19 00-0453</b>			<b>90" Height, Double Door, Impact Traffic Door Knock Down Frames</b> (08 38 19 00-0443)		
08 38 19 00-0454	EA		48" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	533.66	45.19
08 38 19 00-0455	EA		56" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	542.26	45.97
08 38 19 00-0456	EA		60" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	552.88	47.16
08 38 19 00-0457	EA		64" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	567.13	49.12
08 38 19 00-0458	EA		72" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	576.02	51.08
08 38 19 00-0459	EA		80" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	595.48	51.48
08 38 19 00-0460	EA		84" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	608.55	52.07
08 38 19 00-0461	EA		88" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	624.30	53.05
<b>08 38 19 00-0462</b>			<b>96" Height, Double Door, Impact Traffic Door Knock Down Frames</b> (08 38 19 00-0443)		
08 38 19 00-0463	EA		48" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	546.26	45.19
08 38 19 00-0464	EA		56" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	553.20	45.97
08 38 19 00-0465	EA		60" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	567.73	47.16
08 38 19 00-0466	EA		64" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	578.57	49.12
08 38 19 00-0467	EA		72" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	591.36	51.08
08 38 19 00-0468	EA		80" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	613.19	51.48
08 38 19 00-0469	EA		84" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	624.89	52.07
08 38 19 00-0470	EA		88" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame .....	638.29	53.05

## 08 40 Entrances, Storefronts, And Curtain Walls (08)

### 08 42 Entrances (08 40)

#### 08 42 13 Aluminum-Framed Entrances (08 42)

##### 08 42 13 00-0001 Aluminum Framed Entrance Doors (08 42 13)

Note: Includes frame, trim, necessary anchors, tempered glass, standard hardware (hinges, pull handle, push plate, threshold, door sweep) and prepared for panic device. Fixed doors mullion (on pairs). Excludes exit device and closer. Special-Lite. See CSI section 08 71 11 00-2107 for exit device, 08 71 11 00-2239 for closer.

08 42 13 00-0002	EA		3' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-14).....	3,893.01	431.96
			For 8' High Door, Add	373.22	
			For 10' High Door, Add	811.35	
			For 1" Insulated Glazing, Add	69.21	
08 42 13 00-0003	EA		3'-6" x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-14).....	3,914.04	431.96
			For 8' High Door, Add	375.64	
			For 10' High Door, Add	816.61	
			For 1" Insulated Glazing, Add	69.21	
08 42 13 00-0004	PR		6' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-14).....	6,592.74	647.81
			For 8' High Door, Add	646.67	
			For 10' High Door, Add	1,405.82	
			For 1" Insulated Glazing, Add	138.42	
08 42 13 00-0005	PR		7' x 7' x 1-3/4" Medium Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-14).....	7,627.41	647.81
			For 8' High Door, Add	765.66	
			For 10' High Door, Add	1,664.48	
			For 1" Insulated Glazing, Add	138.42	
08 42 13 00-0006	EA		3' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-15).....	4,334.64	431.96
			For 8' High Door, Add	424.01	
			For 10' High Door, Add	921.76	
			For 1" Insulated Glazing, Add	69.21	
08 42 13 00-0007	EA		3'-6" x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-15).....	4,383.01	431.96
			For 8' High Door, Add	429.57	
			For 10' High Door, Add	933.85	
			For 1" Insulated Glazing, Add	69.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 13 00-0008 PR 6' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-15).....	7,427.62	647.81
<i>For 8' High Door, Add</i>	742.69	
<i>For 10' High Door, Add</i>	1,614.54	
<i>For 1" Insulated Glazing, Add</i>	138.42	
08 42 13 00-0009 PR 7' x 7' x 1-3/4" Wide Stile, Aluminum Framed Entrance Doors Including Glazing, Trim And Hardware (Special-Lite SL-15).....	8,437.92	647.81
<i>For 8' High Door, Add</i>	858.87	
<i>For 10' High Door, Add</i>	1,867.11	
<i>For 1" Insulated Glazing, Add</i>	138.42	
<b>08 42 26 All-Glass Entrances (08 42)</b>		
<b>08 42 26 00-0001 Full Glass Entrance Doors (08 42 26)</b>		
Note: Includes trim, necessary anchors, tempered glass, and standard hardware (hinges, handle, push plate, lock, closer). Excludes panic devices.		
08 42 26 00-0002 EA 3' x 7' x 1/2" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware.....	2,937.19	161.90
<i>For Anodized Color, Add</i>	412.12	
<i>For Stainless Steel, Add</i>	1,488.23	
<i>For 8' High Door, Add</i>	263.30	
<i>For 10' High Door, Add</i>	572.40	
<i>For 1" Insulated Glazing, Add</i>	69.21	
08 42 26 00-0003 PR 6' x 7' x 1/2" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware (Per Pair 3' x 7' x 1/2").....	5,248.17	194.29
<i>For Anodized Color, Add</i>	778.14	
<i>For Stainless Steel, Add</i>	2,809.96	
<i>For 8' High Door, Add</i>	497.15	
<i>For 10' High Door, Add</i>	1,080.75	
<i>For 1" Insulated Glazing, Add</i>	138.42	
08 42 26 00-0004 EA 3' x 7' x 5/8" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware.....	3,349.67	161.90
<i>For Anodized Color, Add</i>	486.37	
<i>For Stainless Steel, Add</i>	1,756.34	
<i>For 8' High Door, Add</i>	310.74	
<i>For 10' High Door, Add</i>	675.52	
<i>For 1" Insulated Glazing, Add</i>	69.21	
08 42 26 00-0005 PR 6' x 7' x 5/8" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware (Per Pair 3' x 7' x 5/8").....	6,136.27	194.29
<i>For Anodized Color, Add</i>	938.00	
<i>For Stainless Steel, Add</i>	3,387.22	
<i>For 8' High Door, Add</i>	599.28	
<i>For 10' High Door, Add</i>	1,302.78	
<i>For 1" Insulated Glazing, Add</i>	138.42	
08 42 26 00-0006 EA 3' x 7' x 3/4" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware.....	3,760.53	161.90
<i>For Anodized Color, Add</i>	560.33	
<i>For Stainless Steel, Add</i>	2,023.40	
<i>For 8' High Door, Add</i>	357.99	
<i>For 10' High Door, Add</i>	778.23	
<i>For 1" Insulated Glazing, Add</i>	69.21	
08 42 26 00-0007 PR 6' x 7' x 3/4" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware (Per Pair 3' x 7' x 3/4").....	7,022.91	194.29
<i>For Anodized Color, Add</i>	1,097.60	
<i>For Stainless Steel, Add</i>	3,963.54	
<i>For 8' High Door, Add</i>	701.24	
<i>For 10' High Door, Add</i>	1,524.44	
<i>For 1" Insulated Glazing, Add</i>	138.42	
08 42 26 00-0008 EA 3' x 7' x 1" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware .....	4,583.85	161.90
<i>For Anodized Color, Add</i>	708.52	
<i>For Stainless Steel, Add</i>	2,558.56	
<i>For 8' High Door, Add</i>	452.67	
<i>For 10' High Door, Add</i>	984.06	
<i>For 1" Insulated Glazing, Add</i>	69.21	
08 42 26 00-0009 PR 6' x 7' x 1" Thick Glass Entrance Door, Full Glass, Tempered, Including Trim And Hardware (Per Pair 3' x 7' x 1").....	8,797.65	194.29
<i>For Anodized Color, Add</i>	1,417.05	
<i>For Stainless Steel, Add</i>	5,117.12	
<i>For 8' High Door, Add</i>	905.34	
<i>For 10' High Door, Add</i>	1,968.12	
<i>For 1" Insulated Glazing, Add</i>	138.42	
<b>08 42 26 00-0010 Frames For Full Glass Doors (08 42 26)</b>		
08 42 26 00-0011 LF Glass Entrance Door, Light Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head .....	15.67	1.95
08 42 26 00-0012 LF Glass Entrance Door, Heavy Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head .....	20.31	2.59
<b>08 42 29 Automatic Entrances (08 42)</b>		
<b>08 42 29 23 Sliding Automatic Entrances (08 42 29)</b>		
Note: Power-operated automatic sliding doors may be used as emergency egress doors as they can "break-out" in the direction of egress. Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 42 29 23-0001 Bronze Finished Framed Sliding Automatic Entrances (08 42 29 23)		
08 42 29 23-0002 2 Panel, Bronze Finished Framed Sliding Automatic Entrance (08 42 29 23-0001)		
Note: Single sliding.		

**08 Openings****08 40 Entrances, Storefronts, And Curtain Walls****08 42 Entrances**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 23-0003 EA 5'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	1,357.34 92.09 245.56	64.76
08 42 29 23-0004 EA 6'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	1,512.55 100.33 267.54	87.43
08 42 29 23-0005 EA 7'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	1,645.95 108.87 290.33	97.14
08 42 29 23-0006 EA 8'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	1,775.67 117.15 312.39	106.86
08 42 29 23-0007 EA 10'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	2,330.18 155.33 414.23	129.52
08 42 29 23-0008 EA 12'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	2,424.40 159.00 424.00	152.19
08 42 29 23-0009 EA 15'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	3,233.34 216.27 576.73	174.85
<b>08 42 29 23-0010 4 Panel, Bronze Finished Framed Sliding Automatic Entrance</b> (08 42 29 23-0001) Note: Bi-parting.		
08 42 29 23-0011 EA 12'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	2,726.69 180.22 480.58	161.90
08 42 29 23-0012 EA 14'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	2,989.84 197.52 526.73	178.09
08 42 29 23-0013 EA 16'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	3,252.99 214.83 572.88	194.29
08 42 29 23-0014 EA 18'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	3,926.66 262.93 701.14	210.48
08 42 29 23-0015 EA 20'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	4,600.34 311.03 829.40	226.60
<b>08 42 29 23-0016 Aluminum Finished Framed Sliding Automatic Entrances</b> (08 42 29 23)		
<b>08 42 29 23-0017 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance</b> (08 42 29 23-0016) Note: Single sliding.		
08 42 29 23-0018 EA 5'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	1,241.67 83.41 222.43	64.76
08 42 29 23-0019 EA 6'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	1,386.54 90.88 242.34	87.43
08 42 29 23-0020 EA 7'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	1,507.07 98.46 262.56	97.14
08 42 29 23-0021 EA 8'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	1,628.52 106.11 282.96	106.86
08 42 29 23-0022 EA 9'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	1,881.79 123.41 329.08	118.19
08 42 29 23-0023 EA 10'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	2,135.07 140.70 375.20	129.52
08 42 29 23-0024 EA 12'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	2,224.68 144.02 384.06	152.19
08 42 29 23-0025 EA 15'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	2,961.71 195.90 522.40	174.85
<b>08 42 29 23-0026 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance</b> (08 42 29 23-0016) Note: Bi-parting.		
08 42 29 23-0027 EA 10'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	2,375.31 155.08 413.54	153.81
08 42 29 23-0028 EA 12'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	2,500.33 163.24 435.31	161.90
08 42 29 23-0029 EA 14'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add</i> <i>For Emergency Egress On All Panels, Add</i>	2,741.73 178.92 477.11	178.09



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 23-0030 EA 16'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add</i>	2,983.13 194.59 518.91	194.29
08 42 29 23-0031 EA 18'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add</i>	3,596.40 238.16 635.09	210.48
08 42 29 23-0032 EA 20'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add</i>	4,209.68 281.73 751.27	226.60
<b>08 42 29 23-0033 Stainless Steel Framed Sliding Automatic Entrances (08 42 29 23)</b>		
<b>08 42 29 23-0034 2 Panel, Stainless Steel Framed Sliding Automatic Entrance (08 42 29 23-0033)</b> Note: Single sliding.		
08 42 29 23-0035 EA 5'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add</i>	1,552.84 106.75 284.66	64.76
08 42 29 23-0036 EA 6'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add</i>	1,725.57 116.30 310.14	87.43
08 42 29 23-0037 EA 7'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add</i>	2,004.95 135.80 362.13	97.14
08 42 29 23-0038 EA 8'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add</i>	2,300.10 156.48 417.28	106.86
08 42 29 23-0039 EA 10'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add</i>	2,659.99 180.07 480.19	129.52
08 42 29 23-0040 EA 12'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add</i>	2,761.97 184.32 491.52	152.19
08 42 29 23-0041 EA 15'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add</i>	3,692.54 250.71 668.57	174.85
<b>08 42 29 23-0042 4 Panel, Stainless Steel Framed Sliding Automatic Entrance (08 42 29 23-0033)</b> Note: Bi-parting.		
08 42 29 23-0043 EA 12'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add</i>	3,109.32 208.91 557.10	161.90
08 42 29 23-0044 EA 14'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add</i>	3,409.21 228.98 610.60	178.09
08 42 29 23-0045 EA 16'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add</i>	3,709.09 249.04 664.10	194.29
08 42 29 23-0046 EA 18'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add</i>	4,484.89 304.80 812.79	210.48
08 42 29 23-0047 EA 20'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance..... <i>For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add For Emergency Egress On All Panels, Add</i>	5,260.70 360.55 961.47	226.67
<b>08 42 29 23-0048 Accessories For Sliding Automatic Entrances (08 42 29 23)</b> See CSI section 08 42 29 33-0006 for activation devices.		
08 42 29 23-0049 EA Automatic 2 Panel Sliding Door Motor, Activation Eye Or Push Button Controls..... Note: Includes motor for pair of sliding doors (2 panels).	2,922.75	392.95
08 42 29 23-0050 EA Automatic 4 Panel Sliding Door Motor, Activation Eye Or Push Button Controls..... Note: Includes motor for pair of sliding doors (4 panel).	4,970.02	589.43
<b>08 42 29 33 Swinging Automatic Entrances (08 42 29)</b> Note: Excludes glazing.		
<b>08 42 29 33-0001 Swing Door Operators, Up To 350 LB Panel Weight (08 42 29 33)</b> Note: Includes electro-mechanical swinging door operator and electrical controls, aluminum header, connecting hardware, actuating controls, and on/off/hold open switch. Excludes activation device, doors, and power connection. Stanley Magic Force or equal.		
08 42 29 33-0002 EA Concealed Single Door Swing Door Operator, Up To 350 LB Panel ..... Note: For new storefront or existing concealed operator installations.	2,562.17	366.89
08 42 29 33-0003 EA Concealed Pair Of Doors Swing Door Operator, Up To 350 LB Panel ..... Note: For new storefront or existing concealed operator installations.	4,391.01	489.21
08 42 29 33-0004 EA Exposed Single Door Swing Door Operator, Up To 350 LB Panel .....	2,129.30	293.51
08 42 29 33-0005 EA Exposed Pair Of Doors Swing Door Operator, Up To 350 LB Panel .....	3,817.92	440.26
<b>08 42 29 33-0006 Activation Devices For Door Operators (08 42 29 33)</b>		
08 42 29 33-0007 EA Overhead Active Infrared Presence Detector For Door Operators (MS Sedco DH97) ..... Note: Includes wiring harness and relays.	363.68	29.35
08 42 29 33-0008 EA On Door Active Infrared Presence Detector For Door Operator (Stanley Sentrex RS)..... Note: Includes wiring harness and relays.	320.44	29.35

**08 Openings****08 40 Entrances, Storefronts, And Curtain Walls****08 42 Entrances**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 33-0009	EA		Microwave Motion Sensor For Door Operator (MS Sedco D38) .....323.89	323.89	29.35
			Note: Includes wiring harness and relays.		
08 42 29 33-0010	EA		Push Plate For Door Operator (MS Sedco 59 Series) .....117.67	117.67	29.35
			Note: Excludes wiring from operator to push plate.		
08 42 29 33-0011	EA		Jamb Mounted Push Button For Door Operator (MS Sedco 425 Series).....96.68	96.68	29.35
			Note: Excludes wiring from operator to push button.		
08 42 29 33-0012	EA		Radio Control System For Door Operator (MS Sedco Clearpath).....510.52	510.52	73.38
			Note: Includes receiver and two push plate transmitters.		
			<i>For Single Transmitter (Includes Receiver, One Push Plate Transmitter, And One Jamb Mounted Push Button), Deduct</i> -64.00		
08 42 29 33-0013	EA		Combination Digital Camera/Motion Detector For Door Operators (Stanley StanVision).....803.69	803.69	36.69
			Note: Includes wiring harness and relays.		
08 42 29 33-0014	EA		Guard Rail For Door With Operator .....151.83	151.83	36.69
<b>08 42 33 Revolving Door Entrances (08 42)</b>					
<b>08 42 33 00-0001 Aluminum Revolving Doors (08 42 33)</b>					
			Note: Includes 3/4" tempered glass.		
08 42 33 00-0002	EA		4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware.....24,094.72	24,094.72	2,586.41
			<i>For Automatic Controls, Add</i> 6,272.54		
			<i>For Powder Coated, Add</i> 1,145.86		
08 42 33 00-0003	EA		5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware .....31,851.52	31,851.52	3,879.68
			<i>For Automatic Controls, Add</i> 6,983.82		
			<i>For Powder Coated, Add</i> 1,439.90		
08 42 33 00-0004	EA		6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware .....50,813.68	50,813.68	4,655.59
			<i>For Automatic Controls, Add</i> 7,410.58		
			<i>For Powder Coated, Add</i> 2,546.36		
08 42 33 00-0005	EA		4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware.....26,868.02	26,868.02	2,845.03
			<i>For Automatic Controls, Add</i> 6,417.70		
			<i>For Powder Coated, Add</i> 1,283.24		
08 42 33 00-0006	EA		5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware.....35,389.09	35,389.09	4,267.78
			<i>For Automatic Controls, Add</i> 7,177.80		
			<i>For Powder Coated, Add</i> 1,612.53		
08 42 33 00-0007	EA		6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware.....56,803.56	56,803.56	5,121.15
			<i>For Automatic Controls, Add</i> 7,695.09		
			<i>For Powder Coated, Add</i> 2,851.64		
<b>08 42 33 00-0008 Stainless Steel Revolving Doors (08 42 33)</b>					
			Note: Includes 3/4" tempered glass.		
08 42 33 00-0009	EA		4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware .....24,854.30	24,854.30	2,586.41
			<i>For Automatic Controls, Add</i> 6,272.54		
08 42 33 00-0010	EA		5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware .....32,806.02	32,806.02	3,879.68
			<i>For Automatic Controls, Add</i> 6,983.82		
08 42 33 00-0011	EA		6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware .....52,501.63	52,501.63	4,655.59
			<i>For Automatic Controls, Add</i> 7,410.58		
08 42 33 00-0012	EA		4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware .....27,720.69	27,720.69	2,845.03
			<i>For Automatic Controls, Add</i> 6,417.70		
08 42 33 00-0013	EA		5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware .....36,460.57	36,460.57	4,267.78
			<i>For Automatic Controls, Add</i> 7,177.80		
08 42 33 00-0014	EA		6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware .....58,698.38	58,698.38	5,121.15
			<i>For Automatic Controls, Add</i> 7,695.09		
<b>08 42 33 00-0015 Bronze Revolving Doors (08 42 33)</b>					
			Note: Includes 3/4" tempered glass.		
08 42 33 00-0016	EA		4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware .....22,175.54	22,175.54	2,586.41
			<i>For Automatic Controls, Add</i> 6,272.54		
08 42 33 00-0017	EA		5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware .....29,439.86	29,439.86	3,879.68
			<i>For Automatic Controls, Add</i> 6,983.82		
08 42 33 00-0018	EA		6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware .....46,548.85	46,548.85	4,655.59
			<i>For Automatic Controls, Add</i> 7,410.58		
08 42 33 00-0019	EA		4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware .....24,720.48	24,720.48	2,845.03
			<i>For Automatic Controls, Add</i> 6,417.70		
08 42 33 00-0020	EA		5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware .....32,690.47	32,690.47	4,267.78
			<i>For Automatic Controls, Add</i> 7,177.80		
08 42 33 00-0021	EA		6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware .....52,031.26	52,031.26	5,121.15
			<i>For Automatic Controls, Add</i> 7,695.09		
<b>08 42 36 Balanced Door Entrances (08 42)</b>					
<b>08 42 36 00-0001 Balanced Doors, With Glass (08 42 36)</b>					
			Note: Includes 3/4" tempered glass, check and door guide, top pivot with bearing, torsion bar closer spring, bottom arm, semi-automatic hold open device, floor box, door roller guide, bottom pivot, top arm.		
08 42 36 00-0002	EA		2'-6" x 7'-0" Balanced Door, Stainless Steel.....13,696.43	13,696.43	124.73
			<i>For Bronze Instead Of Stainless Steel, Deduct</i> -3,346.13		
			<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i> 1,338.45		
			<i>For Tinted Glass, Add</i> 669.23		
			<i>For Aluminum, Painted Finish, Deduct</i> -4,015.35		
08 42 36 00-0003	EA		3'-0" x 7'-0" Balanced Door, Stainless Steel.....14,239.98	14,239.98	124.73
			<i>For Bronze Instead Of Stainless Steel, Deduct</i> -3,482.02		
			<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i> 1,392.81		
			<i>For Tinted Glass, Add</i> 696.40		
			<i>For Aluminum, Painted Finish, Deduct</i> -4,178.42		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 36 00-0004 EA 3'-6" x 7'-0" Balanced Door, Stainless Steel .....	15,560.10	124.73
For Bronze Instead Of Stainless Steel, Deduct	-3,812.05	
For 70% Fluoropolymer Exterior Finish (Duramar), Add	1,524.82	
For Tinted Glass, Add	762.41	
For Aluminum, Painted Finish, Deduct	-4,574.45	
08 42 36 00-0005 EA 4'-0" x 7'-0" Balanced Door, Stainless Steel .....	17,113.24	124.73
For Bronze Instead Of Stainless Steel, Deduct	-4,200.33	
For 70% Fluoropolymer Exterior Finish (Duramar), Add	1,680.13	
For Tinted Glass, Add	840.07	
For Aluminum, Painted Finish, Deduct	-5,040.40	
08 42 36 00-0006 PR Pair 3'-0" x 7'-0" Balanced Door, Stainless Steel .....	28,448.78	237.06
For Bronze Instead Of Stainless Steel, Deduct	-6,964.04	
For 70% Fluoropolymer Exterior Finish (Duramar), Add	2,785.61	
For Tinted Glass, Add	1,392.81	
For Aluminum, Painted Finish, Deduct	-8,356.84	

**08 43 Storefronts** (08 40)

**08 43 13 Aluminum-Framed Storefronts** (08 43)

**08 43 13 00-0001 Aluminum Storefront Framing Assembly** (08 43 13)

Note: Includes frames, fasteners and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. See CSI section 08 43 13 00-0083 for reinforcing steel (where required), 08 81 23 23-0045 for laminated glazing, 08 81 23 23-0051 for insulated glazing.

**08 43 13 00-0002 1-3/4" x 4-1/2" Frame, Aluminum Storefront Framing Assembly** (08 43 13 00-0001)

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0003 SF 5' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly .....	16.03	4.75
For Various Color Class I Anodized Finish, Add	0.53	
For Black Color Class I Anodized Finish, Add	1.59	
08 43 13 00-0004 SF 6' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly .....	14.41	4.28
For Various Color Class I Anodized Finish, Add	0.48	
For Black Color Class I Anodized Finish, Add	1.43	
08 43 13 00-0005 SF 7' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly .....	13.25	3.94
For Various Color Class I Anodized Finish, Add	0.44	
For Black Color Class I Anodized Finish, Add	1.31	
08 43 13 00-0006 SF 8' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly .....	12.38	3.69
For Various Color Class I Anodized Finish, Add	0.41	
For Black Color Class I Anodized Finish, Add	1.22	
08 43 13 00-0007 SF 9' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly .....	11.70	3.50
For Various Color Class I Anodized Finish, Add	0.38	
For Black Color Class I Anodized Finish, Add	1.15	
08 43 13 00-0008 SF 10' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly .....	11.16	3.34
For Various Color Class I Anodized Finish, Add	0.37	
For Black Color Class I Anodized Finish, Add	1.10	
08 43 13 00-0009 SF 11' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly .....	10.71	3.21
For Various Color Class I Anodized Finish, Add	0.35	
For Black Color Class I Anodized Finish, Add	1.05	
08 43 13 00-0010 SF 12' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly .....	10.35	3.11
For Various Color Class I Anodized Finish, Add	0.34	
For Black Color Class I Anodized Finish, Add	1.02	

**08 43 13 00-0011 1-3/4" x 4-1/2" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly** (08 43 13 00-0001)

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0012 SF 5' High With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly .....	20.92	6.21
For Various Color Class I Anodized Finish, Add	0.69	
For Black Color Class I Anodized Finish, Add	2.08	
08 43 13 00-0013 SF 6' High With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly .....	18.46	5.51
For Various Color Class I Anodized Finish, Add	0.61	
For Black Color Class I Anodized Finish, Add	1.83	
08 43 13 00-0014 SF 7' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly .....	16.78	4.98
For Various Color Class I Anodized Finish, Add	0.55	
For Black Color Class I Anodized Finish, Add	1.66	
08 43 13 00-0015 SF 8' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly .....	15.46	4.60
For Various Color Class I Anodized Finish, Add	0.51	
For Black Color Class I Anodized Finish, Add	1.52	
08 43 13 00-0016 SF 9' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly .....	14.44	4.28
For Various Color Class I Anodized Finish, Add	0.47	
For Black Color Class I Anodized Finish, Add	1.42	
08 43 13 00-0017 SF 10' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly .....	13.60	4.08
For Various Color Class I Anodized Finish, Add	0.45	
For Black Color Class I Anodized Finish, Add	1.34	



**08 Openings****08 40 Entrances, Storefronts, And Curtain Walls****08 43 Storefronts**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0018	SF		11' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	12.97	3.88
			<i>For Various Color Class I Anodized Finish, Add</i>	0.42	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.27	
08 43 13 00-0019	SF		12' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	12.41	3.69
			<i>For Various Color Class I Anodized Finish, Add</i>	0.41	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.22	
<b>08 43 13 00-0020</b>			<b>1-3/4" x 4-1/2" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly</b> <small>(08 43 13 00-0001)</small>		
			Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0021	SF		5' High With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	25.82	7.65
			<i>For Various Color Class I Anodized Finish, Add</i>	0.85	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.56	
08 43 13 00-0022	SF		6' High With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	22.59	6.67
			<i>For Various Color Class I Anodized Finish, Add</i>	0.75	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.24	
08 43 13 00-0023	SF		7' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	20.26	6.02
			<i>For Various Color Class I Anodized Finish, Add</i>	0.67	
			<i>For Black Color Class I Anodized Finish, Add</i>	2.00	
08 43 13 00-0024	SF		8' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	18.51	5.51
			<i>For Various Color Class I Anodized Finish, Add</i>	0.61	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.83	
08 43 13 00-0025	SF		9' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	17.11	5.11
			<i>For Various Color Class I Anodized Finish, Add</i>	0.56	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.69	
08 43 13 00-0026	SF		10' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	16.05	4.79
			<i>For Various Color Class I Anodized Finish, Add</i>	0.53	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.58	
08 43 13 00-0027	SF		11' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	15.18	4.53
			<i>For Various Color Class I Anodized Finish, Add</i>	0.50	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.50	
08 43 13 00-0028	SF		12' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	14.44	4.34
			<i>For Various Color Class I Anodized Finish, Add</i>	0.47	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.42	
<b>08 43 13 00-0029</b>			<b>2" x 4-1/2" Frame, Aluminum Storefront Framing Assembly</b> <small>(08 43 13 00-0001)</small>		
			Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0030	SF		5' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	16.53	4.98
			<i>For Various Color Class I Anodized Finish, Add</i>	0.54	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.62	
08 43 13 00-0031	SF		6' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	14.86	4.47
			<i>For Various Color Class I Anodized Finish, Add</i>	0.48	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.45	
08 43 13 00-0032	SF		7' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	13.59	4.15
			<i>For Various Color Class I Anodized Finish, Add</i>	0.44	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.33	
08 43 13 00-0033	SF		8' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	12.70	3.88
			<i>For Various Color Class I Anodized Finish, Add</i>	0.41	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.24	
08 43 13 00-0034	SF		9' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	11.98	3.63
			<i>For Various Color Class I Anodized Finish, Add</i>	0.39	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.16	
08 43 13 00-0035	SF		10' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	11.46	3.50
			<i>For Various Color Class I Anodized Finish, Add</i>	0.37	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.11	
08 43 13 00-0036	SF		11' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	10.94	3.37
			<i>For Various Color Class I Anodized Finish, Add</i>	0.35	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.06	
08 43 13 00-0037	SF		12' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	10.59	3.24
			<i>For Various Color Class I Anodized Finish, Add</i>	0.34	
			<i>For Black Color Class I Anodized Finish, Add</i>	1.02	
<b>08 43 13 00-0038</b>			<b>2" x 4-1/2" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly</b> <small>(08 43 13 00-0001)</small>		
			Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0039 SF 5' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	21.95	6.74
<i>For Various Color Class I Anodized Finish, Add</i>	0.70	
<i>For Black Color Class I Anodized Finish, Add</i>	2.11	
08 43 13 00-0040 SF 6' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	19.31	5.96
<i>For Various Color Class I Anodized Finish, Add</i>	0.62	
<i>For Black Color Class I Anodized Finish, Add</i>	1.86	
08 43 13 00-0041 SF 7' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	17.47	5.38
<i>For Various Color Class I Anodized Finish, Add</i>	0.56	
<i>For Black Color Class I Anodized Finish, Add</i>	1.68	
08 43 13 00-0042 SF 8' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	16.06	4.98
<i>For Various Color Class I Anodized Finish, Add</i>	0.51	
<i>For Black Color Class I Anodized Finish, Add</i>	1.54	
08 43 13 00-0043 SF 9' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	15.03	4.66
<i>For Various Color Class I Anodized Finish, Add</i>	0.48	
<i>For Black Color Class I Anodized Finish, Add</i>	1.43	
08 43 13 00-0044 SF 10' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	14.11	4.41
<i>For Various Color Class I Anodized Finish, Add</i>	0.45	
<i>For Black Color Class I Anodized Finish, Add</i>	1.35	
08 43 13 00-0045 SF 11' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	13.39	4.15
<i>For Various Color Class I Anodized Finish, Add</i>	0.43	
<i>For Black Color Class I Anodized Finish, Add</i>	1.28	
08 43 13 00-0046 SF 12' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	12.81	3.95
<i>For Various Color Class I Anodized Finish, Add</i>	0.41	
<i>For Black Color Class I Anodized Finish, Add</i>	1.22	
<b>08 43 13 00-0047 2" x 4-1/2" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly</b> <small>(08 43 13 00-0001)</small>		
<small>Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.</small>		
08 43 13 00-0048 SF 5' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	26.53	8.03
<i>For Various Color Class I Anodized Finish, Add</i>	0.87	
<i>For Black Color Class I Anodized Finish, Add</i>	2.60	
08 43 13 00-0049 SF 6' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	23.18	6.99
<i>For Various Color Class I Anodized Finish, Add</i>	0.75	
<i>For Black Color Class I Anodized Finish, Add</i>	2.26	
08 43 13 00-0050 SF 7' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	20.76	6.28
<i>For Various Color Class I Anodized Finish, Add</i>	0.67	
<i>For Black Color Class I Anodized Finish, Add</i>	2.02	
08 43 13 00-0051 SF 8' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	18.99	5.76
<i>For Various Color Class I Anodized Finish, Add</i>	0.61	
<i>For Black Color Class I Anodized Finish, Add</i>	1.84	
08 43 13 00-0052 SF 9' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	17.57	5.31
<i>For Various Color Class I Anodized Finish, Add</i>	0.57	
<i>For Black Color Class I Anodized Finish, Add</i>	1.70	
08 43 13 00-0053 SF 10' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	16.43	4.98
<i>For Various Color Class I Anodized Finish, Add</i>	0.53	
<i>For Black Color Class I Anodized Finish, Add</i>	1.59	
08 43 13 00-0054 SF 11' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	15.53	4.73
<i>For Various Color Class I Anodized Finish, Add</i>	0.50	
<i>For Black Color Class I Anodized Finish, Add</i>	1.50	
08 43 13 00-0055 SF 12' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	14.72	4.53
<i>For Various Color Class I Anodized Finish, Add</i>	0.48	
<i>For Black Color Class I Anodized Finish, Add</i>	1.43	
<b>08 43 13 00-0056 2-1/2" x 5" Frame, Aluminum Storefront Framing Assembly</b> <small>(08 43 13 00-0001)</small>		
<small>Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.</small>		
08 43 13 00-0057 SF 5' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	20.43	5.11
<i>For Various Color Class I Anodized Finish, Add</i>	0.76	
<i>For Black Color Class I Anodized Finish, Add</i>	2.29	
08 43 13 00-0058 SF 6' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	18.37	4.60
<i>For Various Color Class I Anodized Finish, Add</i>	0.69	
<i>For Black Color Class I Anodized Finish, Add</i>	2.06	

**08 Openings****08 40 Entrances, Storefronts, And Curtain Walls****08 43 Storefronts**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0059	SF	7'	High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	16.95 0.63 1.90	4.21
08 43 13 00-0060	SF	8'	High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	15.86 0.59 1.77	3.95
08 43 13 00-0061	SF	9'	High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	15.01 0.56 1.68	3.75
08 43 13 00-0062	SF	10'	High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	14.32 0.53 1.60	3.56
08 43 13 00-0063	SF	11'	High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	13.78 0.51 1.54	3.43
08 43 13 00-0064	SF	12'	High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	13.29 0.49 1.48	3.30
<b>08 43 13 00-0065</b>			<b>2-1/2" x 5" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly</b> <small>(08 43 13 00-0001)</small> Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0066	SF	5'	High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	26.99 0.99 2.98	6.87
08 43 13 00-0067	SF	6'	High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	23.84 0.88 2.64	6.09
08 43 13 00-0068	SF	7'	High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	21.62 0.80 2.39	5.51
08 43 13 00-0069	SF	8'	High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	19.95 0.73 2.20	5.05
08 43 13 00-0070	SF	9'	High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	18.63 0.69 2.06	4.73
08 43 13 00-0071	SF	10'	High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	17.60 0.65 1.94	4.47
08 43 13 00-0072	SF	11'	High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	16.76 0.62 1.85	4.28
08 43 13 00-0073	SF	12'	High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	16.00 0.59 1.77	4.08
<b>08 43 13 00-0074</b>			<b>2-1/2" x 5" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly</b> <small>(08 43 13 00-0001)</small> Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0075	SF	5'	High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	32.52 1.22 3.67	8.03
08 43 13 00-0076	SF	6'	High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	28.60 1.07 3.21	7.12
08 43 13 00-0077	SF	7'	High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	25.67 0.96 2.88	6.42
08 43 13 00-0078	SF	8'	High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	23.53 0.88 2.64	5.83
08 43 13 00-0079	SF	9'	High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly..... <i>For Various Color Class I Anodized Finish, Add</i> <i>For Black Color Class I Anodized Finish, Add</i>	21.80 0.81 2.44	5.44



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0080 SF 10' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	20.44	5.11
<i>For Various Color Class I Anodized Finish, Add</i>	0.76	
<i>For Black Color Class I Anodized Finish, Add</i>	2.29	
08 43 13 00-0081 SF 11' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	19.28	4.79
<i>For Various Color Class I Anodized Finish, Add</i>	0.72	
<i>For Black Color Class I Anodized Finish, Add</i>	2.17	
08 43 13 00-0082 SF 12' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly.....	18.38	4.60
<i>For Various Color Class I Anodized Finish, Add</i>	0.69	
<i>For Black Color Class I Anodized Finish, Add</i>	2.06	
<b>08 43 13 00-0083 Accessories For Aluminum Storefront Framing Assembly (08 43 13 00-0001)</b>		
08 43 13 00-0084 LF For 3/4" x 4-3/16" x 10 Gauge Galvanized Steel Reinforcing, Storefront Framing.....	20.86	4.31
08 43 13 00-0085 LF For 1-1/4" x 4-3/16" x 10 Gauge Galvanized Steel Reinforcing, Storefront Framing.....	23.75	4.74
08 43 13 00-0086 LF For 1-7/16" x 4-5/8" x 1/4" Steel Reinforcing, Storefront Framing.....	36.15	5.21
<b>08 43 19 Stainless-Steel-Framed Storefronts (08 43)</b>		
<b>08 43 19 00-0001 Stainless Steel Storefront Framing Assembly (08 43 19)</b>		
Note: Includes frames, reinforcing and accessories. Excludes doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. Per SF of opening area. See CSI section 08 81 23 23-0051 for insulated glazing.		
08 43 19 00-0002 SF Stainless Steel Storefront Framing Assembly.....	36.89	3.24
<i>For 70% Fluoropolymer Exterior Finish (Duranar), Add</i>	3.20	
<b>08 44 Curtain Wall And Glazed Assemblies (08 40)</b>		
<b>08 44 13 Glazed Aluminum Curtain Walls (08 44)</b>		
<b>08 44 13 00-0001 Aluminum Glass Partition Wall Frame (08 44 13)</b>		
Note: Excludes glazing.		
08 44 13 00-0002 LF 2" x 5-1/2" Aluminum Head Frame, Clear Anodic Finish.....	29.44	6.48
Note: For glass partition wall.		
<i>For Color Anodic Finish, Add</i>	1.62	
<i>For Baked-Enamel Finish, Add</i>	2.83	
<i>For Powder Coated Finish, Add</i>	3.64	
08 44 13 00-0003 LF 2" x 5-1/2" Aluminum Mullion Frame, Clear Anodic Finish.....	32.74	7.77
Note: For glass partition wall.		
<i>For Color Anodic Finish, Add</i>	1.79	
<i>For Baked-Enamel Finish, Add</i>	3.13	
<i>For Powder Coated Finish, Add</i>	4.03	
08 44 13 00-0004 LF 2" x 5-1/2" Aluminum Jamb Frame, Clear Anodic Finish.....	29.83	5.51
Note: For glass partition wall.		
<i>For Color Anodic Finish, Add</i>	1.90	
<i>For Baked-Enamel Finish, Add</i>	3.32	
<i>For Powder Coated Finish, Add</i>	4.26	
08 44 13 00-0005 LF 4" x 5-1/2" Aluminum Sill Frame, Clear Anodic Finish.....	34.10	27.63
Note: For glass partition wall.		
<i>For Color Anodic Finish, Add</i>	2.12	
<i>For Baked-Enamel Finish, Add</i>	3.70	
<i>For Powder Coated Finish, Add</i>	4.76	
08 44 13 00-0006 <b>Curtain Walls (08 44 13)</b>		
08 44 13 00-0007 <b>Coping Sections (08 44 13 00-0006)</b>		
08 44 13 00-0008 LF Curtain Wall, 1/8" x 8" Coping Section Shaped (3") Aluminum System Framing Section.....	36.86	1.95
<i>For Bronze Anodized Aluminum, Add</i>	3.83	
<i>For Stainless Steel, Add</i>	15.87	
<i>For Black Anodized Finish, Add</i>	6.89	
08 44 13 00-0009 LF Curtain Wall, 1/8" x 9" Coping Section Shaped (4") Aluminum System Framing Section.....	38.22	1.95
<i>For Bronze Anodized Aluminum, Add</i>	4.03	
<i>For Stainless Steel, Add</i>	16.68	
<i>For Black Anodized Finish, Add</i>	7.25	
08 44 13 00-0010 LF Curtain Wall, 1/8" x 12-1/2" Coping Section Shaped (5-1/2") Aluminum Framing Section.....	46.03	2.59
<i>For Bronze Anodized Aluminum, Add</i>	4.78	
<i>For Stainless Steel, Add</i>	19.84	
<i>For Black Anodized Finish, Add</i>	8.61	
08 44 13 00-0011 <b>Sill Section (08 44 13 00-0006)</b>		
08 44 13 00-0012 LF Aluminum Curtain Wall, 1/8" x 6" Sill Section Shaped Aluminum System Framing Section.....	30.13	1.29
<i>For Bronze Anodized Aluminum, Add</i>	3.32	
<i>For Stainless Steel, Add</i>	13.68	
<i>For Black Anodized Finish, Add</i>	5.98	
08 44 13 00-0013 LF Aluminum Curtain Wall, 1/8" x 7" Sill Section Shaped Aluminum System Framing Section.....	32.49	1.29
<i>For Bronze Anodized Aluminum, Add</i>	3.67	
<i>For Stainless Steel, Add</i>	15.09	
<i>For Black Anodized Finish, Add</i>	6.61	

**08 Openings****08 40 Entrances, Storefronts, And Curtain Walls****08 44 Curtain Wall And Glazed Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44 13 00-0014	LF		Aluminum Curtain Wall, 1/8" x 8-1/2" Sill Section Shaped Aluminum System Framing Section .....	34.89	1.29
			<i>For Bronze Anodized Aluminum, Add</i>	4.03	
			<i>For Stainless Steel, Add</i>	16.53	
			<i>For Black Anodized Finish, Add</i>	7.26	
<b>08 44 13 00-0015</b>			<b>Aluminum Column Covers (08 44 13 00-0006)</b>		
			Note: Includes all clips and fasteners.		
08 44 13 00-0016	LF		Aluminum Column Covers, 1/8" x 26", Shaped.....	73.96	3.24
			<i>For Bronze Anodized Aluminum, Add</i>	8.36	
			<i>For Stainless Steel, Add</i>	34.34	
			<i>For Black Anodized Finish, Add</i>	15.04	
08 44 13 00-0017	LF		Aluminum Column Covers, 1/8" x 34", Shaped.....	90.46	3.24
			<i>For Bronze Anodized Aluminum, Add</i>	10.67	
			<i>For Stainless Steel, Add</i>	43.64	
			<i>For Black Anodized Finish, Add</i>	19.20	
08 44 13 00-0018	LF		Aluminum Column Covers, 1/8" x 38", Shaped.....	96.77	3.24
			<i>For Bronze Anodized Aluminum, Add</i>	11.61	
			<i>For Stainless Steel, Add</i>	47.43	
			<i>For Black Anodized Finish, Add</i>	20.91	
<b>08 44 13 00-0019</b>			<b>Spandrel Covers (08 44 13 00-0006)</b>		
			Note: Where exterior facing only is described in the following the interior face will be tempered hardboard (to be painted).		
08 44 13 00-0020	SF		1" Spandrel Cover, Aluminum Both Faces.....	29.61	1.29
			<i>For Bronze Anodized Aluminum, Add</i>	3.62	
			<i>For Stainless Steel, Add</i>	14.77	
			<i>For Black Anodized Finish, Add</i>	6.52	
08 44 13 00-0021	SF		1" Spandrel Cover, Aluminum Exterior Face.....	26.03	1.29
			<i>For Bronze Anodized Aluminum, Add</i>	3.09	
			<i>For Stainless Steel, Add</i>	12.62	
			<i>For Black Anodized Finish, Add</i>	5.56	
08 44 13 00-0022	SF		1" Spandrel Cover, Epoxy Both Faces.....	55.71	1.29
			<i>For Bronze Anodized Aluminum, Add</i>	7.54	
			<i>For Stainless Steel, Add</i>	30.43	
			<i>For Black Anodized Finish, Add</i>	13.57	
08 44 13 00-0023	SF		1" Spandrel Cover, Epoxy Exterior Face Only .....	45.60	1.29
			<i>For Bronze Anodized Aluminum, Add</i>	6.02	
			<i>For Stainless Steel, Add</i>	24.36	
			<i>For Black Anodized Finish, Add</i>	10.84	
08 44 13 00-0024	SF		2" Spandrel Cover, Aluminum Both Faces.....	33.35	1.29
			<i>For Bronze Anodized Aluminum, Add</i>	3.98	
			<i>For Stainless Steel, Add</i>	16.24	
			<i>For Black Anodized Finish, Add</i>	7.16	
08 44 13 00-0025	SF		2" Spandrel Cover, Aluminum Exterior Face.....	29.96	1.29
			<i>For Bronze Anodized Aluminum, Add</i>	3.47	
			<i>For Stainless Steel, Add</i>	14.21	
			<i>For Black Anodized Finish, Add</i>	6.24	
08 44 13 00-0026	SF		2" Spandrel Cover, Epoxy Both Faces.....	63.73	1.29
			<i>For Bronze Anodized Aluminum, Add</i>	8.53	
			<i>For Stainless Steel, Add</i>	34.47	
			<i>For Black Anodized Finish, Add</i>	15.36	
08 44 13 00-0027	SF		2" Spandrel Cover, Epoxy Exterior Face Only .....	52.07	1.29
			<i>For Bronze Anodized Aluminum, Add</i>	6.78	
			<i>For Stainless Steel, Add</i>	27.47	
			<i>For Black Anodized Finish, Add</i>	12.21	
<b>08 44 13 00-0028</b>			<b>Curtain Wall, Aluminum System Framing Sections (08 44 13 00-0006)</b>		
			Note: The prices are based on stock shapes of anodized aluminum, plain color and of 0.125" thickness.		
08 44 13 00-0029	LF		Aluminum System Curtain Wall, 1-1/2" x 3" Jamb Aluminum Framed Window Walls.....	42.66	1.29
			<i>For Bronze Anodized Aluminum, Add</i>	5.63	
			<i>For Stainless Steel, Add</i>	22.77	
			<i>For Black Anodized Finish, Add</i>	10.13	
08 44 13 00-0030	LF		Aluminum System Curtain Wall, 1-1/2" x 3" Head Aluminum Framed Window Walls.....	42.56	1.29
			<i>For Bronze Anodized Aluminum, Add</i>	5.63	
			<i>For Stainless Steel, Add</i>	22.76	
			<i>For Black Anodized Finish, Add</i>	10.13	
08 44 13 00-0031	LF		Aluminum System Curtain Wall, 1-1/2" x 3" Mullion Aluminum Framed Window Walls .....	42.56	1.29
			<i>For Bronze Anodized Aluminum, Add</i>	5.63	
			<i>For Stainless Steel, Add</i>	22.76	
			<i>For Black Anodized Finish, Add</i>	10.13	
			<i>For Corner Mullion, Add</i>	10.14	
08 44 13 00-0032	LF		Aluminum System Curtain Wall, 2" x 4" Jamb Aluminum Framed Window Walls.....	52.60	2.59
			<i>For Bronze Anodized Aluminum, Add</i>	6.72	
			<i>For Stainless Steel, Add</i>	27.29	
			<i>For Black Anodized Finish, Add</i>	12.10	
08 44 13 00-0033	LF		Aluminum System Curtain Wall, 2" x 4" Horizontal Aluminum Framed Window Walls.....	52.60	2.59
			<i>For Bronze Anodized Aluminum, Add</i>	6.72	
			<i>For Stainless Steel, Add</i>	27.29	
			<i>For Black Anodized Finish, Add</i>	12.10	



<b>Openings</b>	<b>08</b>
<b>Entrances, Storefronts, And Curtain Walls</b>	<b>08 40</b>
<b>Curtain Wall And Glazed Assemblies</b>	<b>08 44</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44 13 00-0034	LF		Aluminum System Curtain Wall, 2" x 4" Mullion Aluminum Framed Window Walls .....	52.60	2.59
			<i>For Bronze Anodized Aluminum, Add</i>	6.72	
			<i>For Stainless Steel, Add</i>	27.29	
			<i>For Black Anodized Finish, Add</i>	12.10	
			<i>For Corner Mullion, Add</i>	12.37	
08 44 13 00-0035	LF		Aluminum System Curtain Wall, 2" x 6" Jamb Aluminum Framed Window Walls.....	57.77	2.84
			<i>For Bronze Anodized Aluminum, Add</i>	7.37	
			<i>For Stainless Steel, Add</i>	29.92	
			<i>For Black Anodized Finish, Add</i>	13.27	
08 44 13 00-0036	LF		Aluminum System Curtain Wall, 2" x 6" Horizontal Aluminum Framed Window Walls .....	57.77	2.84
			<i>For Bronze Anodized Aluminum, Add</i>	7.37	
			<i>For Stainless Steel, Add</i>	29.92	
			<i>For Black Anodized Finish, Add</i>	13.27	
08 44 13 00-0037	LF		Aluminum System Curtain Wall, 2" x 6" Mullion Aluminum Framed Window Walls .....	57.77	2.84
			<i>For Bronze Anodized Aluminum, Add</i>	7.37	
			<i>For Stainless Steel, Add</i>	29.92	
			<i>For Black Anodized Finish, Add</i>	13.27	
			<i>For Corner Mullion, Add</i>	13.58	
08 44 13 00-0038	LF		Aluminum System Curtain Wall, 3" x 5-1/2" Jamb Aluminum Framed Window Walls.....	63.05	3.24
			<i>For Bronze Anodized Aluminum, Add</i>	8.02	
			<i>For Stainless Steel, Add</i>	32.56	
			<i>For Black Anodized Finish, Add</i>	14.43	
08 44 13 00-0039	LF		Aluminum System Curtain Wall, 3" x 5-1/2" Horizontal Aluminum Framed Window Walls .....	63.05	3.24
			<i>For Bronze Anodized Aluminum, Add</i>	8.02	
			<i>For Stainless Steel, Add</i>	32.56	
			<i>For Black Anodized Finish, Add</i>	14.43	
08 44 13 00-0040	LF		Aluminum System Curtain Wall, 3" x 5-1/2" Mullion Aluminum Framed Window Walls.....	63.05	3.24
			<i>For Bronze Anodized Aluminum, Add</i>	8.02	
			<i>For Stainless Steel, Add</i>	32.56	
			<i>For Black Anodized Finish, Add</i>	14.43	
			<i>For Corner Mullion, Add</i>	14.80	
08 44 13 00-0041	LF		Aluminum System Curtain Wall, 3" x 6-3/4" Jamb Aluminum Framed Window Walls.....	70.76	3.50
			<i>For Bronze Anodized Aluminum, Add</i>	9.04	
			<i>For Stainless Steel, Add</i>	36.70	
			<i>For Black Anodized Finish, Add</i>	16.28	
08 44 13 00-0042	LF		Aluminum System Curtain Wall, 3" x 6-3/4" Horizontal Aluminum Framed Window Walls .....	70.76	3.50
			<i>For Bronze Anodized Aluminum, Add</i>	9.04	
			<i>For Stainless Steel, Add</i>	36.70	
			<i>For Black Anodized Finish, Add</i>	16.28	
08 44 13 00-0043	LF		Aluminum System Curtain Wall, 3" x 6-3/4" Mullion Aluminum Framed Window Walls.....	70.76	3.50
			<i>For Bronze Anodized Aluminum, Add</i>	9.04	
			<i>For Stainless Steel, Add</i>	36.70	
			<i>For Black Anodized Finish, Add</i>	16.28	
			<i>For Corner Mullion, Add</i>	16.64	
08 44 13 00-0044	LF		Aluminum System Curtain Wall, 3" x 8-3/4" Jamb Aluminum Framed Window Walls.....	81.24	3.88
			<i>For Bronze Anodized Aluminum, Add</i>	10.38	
			<i>For Stainless Steel, Add</i>	42.14	
			<i>For Black Anodized Finish, Add</i>	18.69	
08 44 13 00-0045	LF		Aluminum System Curtain Wall, 3" x 8-3/4" Horizontal Aluminum Framed Window Walls .....	81.24	3.88
			<i>For Bronze Anodized Aluminum, Add</i>	10.38	
			<i>For Stainless Steel, Add</i>	42.14	
			<i>For Black Anodized Finish, Add</i>	18.69	
08 44 13 00-0046	LF		Aluminum System Curtain Wall, 3" x 8-3/4" Mullion Aluminum Framed Window Walls.....	81.24	3.88
			<i>For Bronze Anodized Aluminum, Add</i>	10.38	
			<i>For Stainless Steel, Add</i>	42.14	
			<i>For Black Anodized Finish, Add</i>	18.69	
			<i>For Corner Mullion, Add</i>	19.11	

**08 45 Translucent Wall And Roof Assemblies** (08 40)

**08 45 23 Fiberglass-Sandwich-Panel Assemblies** (08 45)

08 45 23 00-0001		Translucent Fiberglass Sandwich-Panels 2-3/4" Thick (08 45 23)		
08 45 23 00-0002	SF	<5,000 SF Translucent Fiberglass Sandwich-Panel 2-3/4" Thick, Metal Framed .....	51.64	3.18
		<i>For Aluminum Frame, Add</i>	4.69	
08 45 23 00-0003	SF	>5,000 SF Translucent Fiberglass Sandwich-Panel 2-3/4" Thick, Metal Framed .....	47.23	2.71
		<i>For Aluminum Frame, Add</i>	4.32	

**08 50 Windows** (08)

Note: Includes hardware, caulk, sealant and mounting anchors. Operable windows include weather stripping. Demolition includes removal of frame, glass and insect screens.

**08 51 Metal Windows** (08 50)

**08 51 13 Aluminum Windows** (08 51)

Note: All units are of standard brushed finish. See CSI section 08 80 00 00-0000 for glazing.

08 51 13 00-0001		Aluminum Windows (08 51 13)		
		Note: Includes standard acrylic paint finish. Excludes glazing, panning and aluminum trim.		
08 51 13 00-0002		Single Hung Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0003		2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) (08 51 13 00-0002)		

**08 Openings****08 50 Windows****08 51 Metal Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0004	EA		Up To 6 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	268.37	37.72
			For 50% Fluoropolymer Finish (Acrynar), Add	4.11	
			For Clear Anodized Finish, Add	10.28	
			For 70% Fluoropolymer Finish (Duranar), Add	12.33	
			For Color Anodized Finish, Add	14.39	
			For Installation In Concrete Or Masonry, Add	17.71	
08 51 13 00-0005	EA		>6 To 10 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	304.02	40.08
			For 50% Fluoropolymer Finish (Acrynar), Add	4.74	
			For Clear Anodized Finish, Add	11.86	
			For 70% Fluoropolymer Finish (Duranar), Add	14.23	
			For Color Anodized Finish, Add	16.61	
			For Installation In Concrete Or Masonry, Add	19.29	
08 51 13 00-0006	EA		>10 To 15 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	334.15	42.43
			For 50% Fluoropolymer Finish (Acrynar), Add	5.27	
			For Clear Anodized Finish, Add	13.17	
			For 70% Fluoropolymer Finish (Duranar), Add	15.81	
			For Color Anodized Finish, Add	18.44	
			For Installation In Concrete Or Masonry, Add	20.73	
08 51 13 00-0007	EA		>15 To 20 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	358.77	44.80
			For 50% Fluoropolymer Finish (Acrynar), Add	5.68	
			For Clear Anodized Finish, Add	14.21	
			For 70% Fluoropolymer Finish (Duranar), Add	17.05	
			For Color Anodized Finish, Add	19.89	
			For Installation In Concrete Or Masonry, Add	22.03	
08 51 13 00-0008	EA		>20 To 30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	416.49	47.16
			For 50% Fluoropolymer Finish (Acrynar), Add	6.76	
			For Clear Anodized Finish, Add	16.90	
			For 70% Fluoropolymer Finish (Duranar), Add	20.27	
			For Color Anodized Finish, Add	23.65	
			For Installation In Concrete Or Masonry, Add	24.17	
08 51 13 00-0009	SF		>30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	13.63	1.42
			For 50% Fluoropolymer Finish (Acrynar), Add	0.23	
			For Clear Anodized Finish, Add	0.56	
			For 70% Fluoropolymer Finish (Duranar), Add	0.68	
			For Color Anodized Finish, Add	0.79	
			For Installation In Concrete Or Masonry, Add	0.75	
08 51 13 00-0010			<b>3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)</b> (08 51 13 00-0002)		
08 51 13 00-0011	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	414.56	37.72
			For 50% Fluoropolymer Finish (Acrynar), Add	7.03	
			For Clear Anodized Finish, Add	17.58	
			For 70% Fluoropolymer Finish (Duranar), Add	21.10	
			For Color Anodized Finish, Add	24.62	
			For Installation In Concrete Or Masonry, Add	21.37	
08 51 13 00-0012	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	462.62	40.08
			For 50% Fluoropolymer Finish (Acrynar), Add	7.92	
			For Clear Anodized Finish, Add	19.79	
			For 70% Fluoropolymer Finish (Duranar), Add	23.75	
			For Color Anodized Finish, Add	27.71	
			For Installation In Concrete Or Masonry, Add	23.26	
08 51 13 00-0013	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	502.41	42.43
			For 50% Fluoropolymer Finish (Acrynar), Add	8.63	
			For Clear Anodized Finish, Add	21.58	
			For 70% Fluoropolymer Finish (Duranar), Add	25.90	
			For Color Anodized Finish, Add	30.22	
			For Installation In Concrete Or Masonry, Add	24.94	
08 51 13 00-0014	EA		>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	540.82	44.80
			For 50% Fluoropolymer Finish (Acrynar), Add	9.32	
			For Clear Anodized Finish, Add	23.31	
			For 70% Fluoropolymer Finish (Duranar), Add	27.97	
			For Color Anodized Finish, Add	32.63	
			For Installation In Concrete Or Masonry, Add	26.59	
08 51 13 00-0015	EA		>20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	648.19	47.16
			For 50% Fluoropolymer Finish (Acrynar), Add	11.39	
			For Clear Anodized Finish, Add	28.48	
			For 70% Fluoropolymer Finish (Duranar), Add	34.18	
			For Color Anodized Finish, Add	39.87	
			For Installation In Concrete Or Masonry, Add	29.96	
08 51 13 00-0016	SF		>30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	21.35	1.42
			For 50% Fluoropolymer Finish (Acrynar), Add	0.38	
			For Clear Anodized Finish, Add	0.95	
			For 70% Fluoropolymer Finish (Duranar), Add	1.14	
			For Color Anodized Finish, Add	1.33	
			For Installation In Concrete Or Masonry, Add	0.95	
08 51 13 00-0017			<b>3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)</b> (08 51 13 00-0002)		



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0018 EA Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	439.39	37.72
For 50% Fluoropolymer Finish (Acrynar), Add	7.53	
For Clear Anodized Finish, Add	18.83	
For 70% Fluoropolymer Finish (Duramar), Add	22.59	
For Color Anodized Finish, Add	26.36	
For Installation In Concrete Or Masonry, Add	21.99	
08 51 13 00-0019 EA >6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	497.10	40.08
For 50% Fluoropolymer Finish (Acrynar), Add	8.61	
For Clear Anodized Finish, Add	21.52	
For 70% Fluoropolymer Finish (Duramar), Add	25.82	
For Color Anodized Finish, Add	30.12	
For Installation In Concrete Or Masonry, Add	24.12	
08 51 13 00-0020 EA >10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	543.79	42.43
For 50% Fluoropolymer Finish (Acrynar), Add	9.46	
For Clear Anodized Finish, Add	23.65	
For 70% Fluoropolymer Finish (Duramar), Add	28.38	
For Color Anodized Finish, Add	33.11	
For Installation In Concrete Or Masonry, Add	25.97	
08 51 13 00-0021 EA >15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	589.09	44.80
For 50% Fluoropolymer Finish (Acrynar), Add	10.29	
For Clear Anodized Finish, Add	25.72	
For 70% Fluoropolymer Finish (Duramar), Add	30.87	
For Color Anodized Finish, Add	36.01	
For Installation In Concrete Or Masonry, Add	27.79	
08 51 13 00-0022 EA >20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	707.50	47.16
For 50% Fluoropolymer Finish (Acrynar), Add	12.58	
For Clear Anodized Finish, Add	31.45	
For 70% Fluoropolymer Finish (Duramar), Add	37.73	
For Color Anodized Finish, Add	44.02	
For Installation In Concrete Or Masonry, Add	31.44	
08 51 13 00-0023 SF >30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	23.32	1.42
For 50% Fluoropolymer Finish (Acrynar), Add	0.42	
For Clear Anodized Finish, Add	1.05	
For 70% Fluoropolymer Finish (Duramar), Add	1.26	
For Color Anodized Finish, Add	1.47	
For Installation In Concrete Or Masonry, Add	1.00	
<b>08 51 13 00-0024 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) (08 51 13 00-0002)</b>		
08 51 13 00-0025 EA Up To 6 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	486.28	37.72
For 50% Fluoropolymer Finish (Acrynar), Add	8.47	
For Clear Anodized Finish, Add	21.17	
For 70% Fluoropolymer Finish (Duramar), Add	25.40	
For Color Anodized Finish, Add	29.64	
For Installation In Concrete Or Masonry, Add	23.16	
08 51 13 00-0026 EA >6 To 10 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	561.93	40.08
For 50% Fluoropolymer Finish (Acrynar), Add	9.90	
For Clear Anodized Finish, Add	24.76	
For 70% Fluoropolymer Finish (Duramar), Add	29.71	
For Color Anodized Finish, Add	34.66	
For Installation In Concrete Or Masonry, Add	25.74	
08 51 13 00-0027 EA >10 To 15 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	609.99	42.43
For 50% Fluoropolymer Finish (Acrynar), Add	10.79	
For Clear Anodized Finish, Add	26.96	
For 70% Fluoropolymer Finish (Duramar), Add	32.36	
For Color Anodized Finish, Add	37.75	
For Installation In Concrete Or Masonry, Add	27.63	
08 51 13 00-0028 EA >15 To 20 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	655.29	44.80
For 50% Fluoropolymer Finish (Acrynar), Add	11.61	
For Clear Anodized Finish, Add	29.03	
For 70% Fluoropolymer Finish (Duramar), Add	34.84	
For Color Anodized Finish, Add	40.64	
For Installation In Concrete Or Masonry, Add	29.45	
08 51 13 00-0029 EA >20 To 30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	764.04	47.16
For 50% Fluoropolymer Finish (Acrynar), Add	13.71	
For Clear Anodized Finish, Add	34.27	
For 70% Fluoropolymer Finish (Duramar), Add	41.13	
For Color Anodized Finish, Add	47.98	
For Installation In Concrete Or Masonry, Add	32.85	
08 51 13 00-0030 SF >30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	25.21	1.42
For 50% Fluoropolymer Finish (Acrynar), Add	0.46	
For Clear Anodized Finish, Add	1.14	
For 70% Fluoropolymer Finish (Duramar), Add	1.37	
For Color Anodized Finish, Add	1.60	
For Installation In Concrete Or Masonry, Add	1.04	
<b>08 51 13 00-0031 Double Hung Aluminum Windows (08 51 13 00-0001)</b>		
<b>08 51 13 00-0032 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000) (08 51 13 00-0031)</b>		



**08 Openings****08 50 Windows****08 51 Metal Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0033	EA		Up To 6 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	305.61	37.72
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	4.85	
			<i>For Clear Anodized Finish, Add</i>	12.14	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	14.56	
			<i>For Color Anodized Finish, Add</i>	16.99	
			<i>For Installation In Concrete Or Masonry, Add</i>	18.64	
08 51 13 00-0034	EA		>6 To 10 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	339.88	40.08
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	5.46	
			<i>For Clear Anodized Finish, Add</i>	13.65	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	16.38	
			<i>For Color Anodized Finish, Add</i>	19.12	
			<i>For Installation In Concrete Or Masonry, Add</i>	20.19	
08 51 13 00-0035	EA		>10 To 15 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	368.63	42.43
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	5.96	
			<i>For Clear Anodized Finish, Add</i>	14.90	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	17.87	
			<i>For Color Anodized Finish, Add</i>	20.85	
			<i>For Installation In Concrete Or Masonry, Add</i>	21.59	
08 51 13 00-0036	EA		>15 To 20 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	398.77	44.80
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	6.48	
			<i>For Clear Anodized Finish, Add</i>	16.21	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	19.45	
			<i>For Color Anodized Finish, Add</i>	22.69	
			<i>For Installation In Concrete Or Masonry, Add</i>	23.03	
08 51 13 00-0037	EA		>20 To 30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	470.28	47.16
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	7.83	
			<i>For Clear Anodized Finish, Add</i>	19.58	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	23.50	
			<i>For Color Anodized Finish, Add</i>	27.42	
			<i>For Installation In Concrete Or Masonry, Add</i>	25.51	
08 51 13 00-0038	SF		>30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000).....	15.42	1.42
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.26	
			<i>For Clear Anodized Finish, Add</i>	0.65	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	0.78	
			<i>For Color Anodized Finish, Add</i>	0.91	
			<i>For Installation In Concrete Or Masonry, Add</i>	0.80	
08 51 13 00-0039			<b>4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window</b> <b>(Traco TR-9000)</b> <small>(08 51 13 00-0031)</small>		
08 51 13 00-0040	EA		Up To 6 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	384.22	37.72
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	6.43	
			<i>For Clear Anodized Finish, Add</i>	16.07	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	19.28	
			<i>For Color Anodized Finish, Add</i>	22.49	
			<i>For Installation In Concrete Or Masonry, Add</i>	20.61	
08 51 13 00-0041	EA		>6 To 10 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	448.83	40.08
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	7.64	
			<i>For Clear Anodized Finish, Add</i>	19.10	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	22.92	
			<i>For Color Anodized Finish, Add</i>	26.74	
			<i>For Installation In Concrete Or Masonry, Add</i>	22.91	
08 51 13 00-0042	EA		>10 To 15 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	501.03	42.43
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.61	
			<i>For Clear Anodized Finish, Add</i>	21.52	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	25.82	
			<i>For Color Anodized Finish, Add</i>	30.12	
			<i>For Installation In Concrete Or Masonry, Add</i>	24.90	
08 51 13 00-0043	EA		>15 To 20 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	560.13	44.80
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.71	
			<i>For Clear Anodized Finish, Add</i>	24.27	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	29.13	
			<i>For Color Anodized Finish, Add</i>	33.98	
			<i>For Installation In Concrete Or Masonry, Add</i>	27.07	
08 51 13 00-0044	EA		>20 To 30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	670.26	47.16
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	11.83	
			<i>For Clear Anodized Finish, Add</i>	29.58	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	35.50	
			<i>For Color Anodized Finish, Add</i>	41.42	
			<i>For Installation In Concrete Or Masonry, Add</i>	30.51	
08 51 13 00-0045	SF		>30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	22.08	1.42
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.39	
			<i>For Clear Anodized Finish, Add</i>	0.99	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	1.18	
			<i>For Color Anodized Finish, Add</i>	1.38	
			<i>For Installation In Concrete Or Masonry, Add</i>	0.97	
08 51 13 00-0046			<b>4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum</b> <b>Window (Traco TR-9400)</b> <small>(08 51 13 00-0031)</small>		



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0047 EA Up To 6 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400) .....	493.17	37.72
For 50% Fluoropolymer Finish (Acrynar), Add	8.61	
For Clear Anodized Finish, Add	21.52	
For 70% Fluoropolymer Finish (Duranar), Add	25.82	
For Color Anodized Finish, Add	30.12	
For Installation In Concrete Or Masonry, Add	23.33	
08 51 13 00-0048 EA >6 To 10 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400) .....	568.82	40.08
For 50% Fluoropolymer Finish (Acrynar), Add	10.04	
For Clear Anodized Finish, Add	25.10	
For 70% Fluoropolymer Finish (Duranar), Add	30.12	
For Color Anodized Finish, Add	35.14	
For Installation In Concrete Or Masonry, Add	25.91	
08 51 13 00-0049 EA >10 To 15 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400) .....	632.06	42.43
For 50% Fluoropolymer Finish (Acrynar), Add	11.23	
For Clear Anodized Finish, Add	28.07	
For 70% Fluoropolymer Finish (Duranar), Add	33.68	
For Color Anodized Finish, Add	39.29	
For Installation In Concrete Or Masonry, Add	28.18	
08 51 13 00-0050 EA >15 To 20 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400) .....	693.91	44.80
For 50% Fluoropolymer Finish (Acrynar), Add	12.39	
For Clear Anodized Finish, Add	30.96	
For 70% Fluoropolymer Finish (Duranar), Add	37.16	
For Color Anodized Finish, Add	43.35	
For Installation In Concrete Or Masonry, Add	30.41	
08 51 13 00-0051 EA >20 To 30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400) .....	845.41	47.16
For 50% Fluoropolymer Finish (Acrynar), Add	15.34	
For Clear Anodized Finish, Add	38.34	
For 70% Fluoropolymer Finish (Duranar), Add	46.01	
For Color Anodized Finish, Add	53.68	
For Installation In Concrete Or Masonry, Add	34.89	
08 51 13 00-0052 SF >30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400) .....	27.92	1.42
For 50% Fluoropolymer Finish (Acrynar), Add	0.51	
For Clear Anodized Finish, Add	1.28	
For 70% Fluoropolymer Finish (Duranar), Add	1.53	
For Color Anodized Finish, Add	1.79	
For Installation In Concrete Or Masonry, Add	1.11	
<b>08 51 13 00-0053 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900) (08 51 13 00-0031)</b>		
08 51 13 00-0054 EA Up To 10 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900) .....	788.11	40.08
For 50% Fluoropolymer Finish (Acrynar), Add	14.43	
For Clear Anodized Finish, Add	36.07	
For 70% Fluoropolymer Finish (Duranar), Add	43.28	
For Color Anodized Finish, Add	50.49	
For Installation In Concrete Or Masonry, Add	31.39	
08 51 13 00-0055 EA >10 To 15 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900) .....	865.14	42.43
For 50% Fluoropolymer Finish (Acrynar), Add	15.89	
For Clear Anodized Finish, Add	39.72	
For 70% Fluoropolymer Finish (Duranar), Add	47.66	
For Color Anodized Finish, Add	55.61	
For Installation In Concrete Or Masonry, Add	34.01	
08 51 13 00-0056 EA >15 To 20 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900) .....	955.96	44.80
For 50% Fluoropolymer Finish (Acrynar), Add	17.63	
For Clear Anodized Finish, Add	44.07	
For 70% Fluoropolymer Finish (Duranar), Add	52.88	
For Color Anodized Finish, Add	61.69	
For Installation In Concrete Or Masonry, Add	36.96	
08 51 13 00-0057 EA >20 To 30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900) .....	1,110.22	47.16
For 50% Fluoropolymer Finish (Acrynar), Add	20.63	
For Clear Anodized Finish, Add	51.58	
For 70% Fluoropolymer Finish (Duranar), Add	61.90	
For Color Anodized Finish, Add	72.21	
For Installation In Concrete Or Masonry, Add	41.51	
08 51 13 00-0058 SF >30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900) .....	36.70	1.42
For 50% Fluoropolymer Finish (Acrynar), Add	0.69	
For Clear Anodized Finish, Add	1.72	
For 70% Fluoropolymer Finish (Duranar), Add	2.06	
For Color Anodized Finish, Add	2.40	
For Installation In Concrete Or Masonry, Add	1.33	
<b>08 51 13 00-0059 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600) (08 51 13 00-0031)</b>		
08 51 13 00-0060 EA Up To 10 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600) .....	1,099.81	40.08
For 50% Fluoropolymer Finish (Acrynar), Add	20.66	
For Clear Anodized Finish, Add	51.65	
For 70% Fluoropolymer Finish (Duranar), Add	61.98	
For Color Anodized Finish, Add	72.31	
For Installation In Concrete Or Masonry, Add	39.19	

**08 Openings**

08 50 Windows

08 51 Metal Windows



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 51 13 00-0061	EA >10 To 15 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	1,186.49	42.43
	For 50% Fluoropolymer Finish (Acrynar), Add	22.32	
	For Clear Anodized Finish, Add	55.79	
	For 70% Fluoropolymer Finish (Duranar), Add	66.95	
	For Color Anodized Finish, Add	78.10	
	For Installation In Concrete Or Masonry, Add	42.04	
08 51 13 00-0062	EA >15 To 20 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	1,285.58	44.80
	For 50% Fluoropolymer Finish (Acrynar), Add	24.22	
	For Clear Anodized Finish, Add	60.55	
	For 70% Fluoropolymer Finish (Duranar), Add	72.66	
	For Color Anodized Finish, Add	84.76	
	For Installation In Concrete Or Masonry, Add	45.21	
08 51 13 00-0063	EA >20 To 30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	1,459.15	47.16
	For 50% Fluoropolymer Finish (Acrynar), Add	27.61	
	For Clear Anodized Finish, Add	69.03	
	For 70% Fluoropolymer Finish (Duranar), Add	82.83	
	For Color Anodized Finish, Add	96.64	
	For Installation In Concrete Or Masonry, Add	50.23	
08 51 13 00-0064	SF >30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	48.42	1.42
	For 50% Fluoropolymer Finish (Acrynar), Add	0.92	
	For Clear Anodized Finish, Add	2.30	
	For 70% Fluoropolymer Finish (Duranar), Add	2.76	
	For Color Anodized Finish, Add	3.22	
	For Installation In Concrete Or Masonry, Add	1.62	
08 51 13 00-0065	Horizontal Sliding Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0066	One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Windows (08 51 13 00-0065)		
08 51 13 00-0067	2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) (08 51 13 00-0066)		
08 51 13 00-0068	EA Up To 6 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	275.26	37.72
	For 50% Fluoropolymer Finish (Acrynar), Add	4.25	
	For Clear Anodized Finish, Add	10.62	
	For 70% Fluoropolymer Finish (Duranar), Add	12.74	
	For Color Anodized Finish, Add	14.87	
	For Installation In Concrete Or Masonry, Add	17.88	
08 51 13 00-0069	EA >6 To 10 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	312.29	40.08
	For 50% Fluoropolymer Finish (Acrynar), Add	4.91	
	For Clear Anodized Finish, Add	12.27	
	For 70% Fluoropolymer Finish (Duranar), Add	14.73	
	For Color Anodized Finish, Add	17.18	
	For Installation In Concrete Or Masonry, Add	19.50	
08 51 13 00-0070	EA >10 To 15 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	339.67	42.43
	For 50% Fluoropolymer Finish (Acrynar), Add	5.38	
	For Clear Anodized Finish, Add	13.45	
	For 70% Fluoropolymer Finish (Duranar), Add	16.14	
	For Color Anodized Finish, Add	18.83	
	For Installation In Concrete Or Masonry, Add	20.87	
08 51 13 00-0071	EA >15 To 20 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	368.43	44.80
	For 50% Fluoropolymer Finish (Acrynar), Add	5.88	
	For Clear Anodized Finish, Add	14.69	
	For 70% Fluoropolymer Finish (Duranar), Add	17.63	
	For Color Anodized Finish, Add	20.56	
	For Installation In Concrete Or Masonry, Add	22.28	
08 51 13 00-0072	EA >20 To 30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	428.90	47.16
	For 50% Fluoropolymer Finish (Acrynar), Add	7.01	
	For Clear Anodized Finish, Add	17.52	
	For 70% Fluoropolymer Finish (Duranar), Add	21.02	
	For Color Anodized Finish, Add	24.52	
	For Installation In Concrete Or Masonry, Add	24.48	
08 51 13 00-0073	SF >30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	14.04	1.42
	For 50% Fluoropolymer Finish (Acrynar), Add	0.23	
	For Clear Anodized Finish, Add	0.58	
	For 70% Fluoropolymer Finish (Duranar), Add	0.70	
	For Color Anodized Finish, Add	0.82	
	For Installation In Concrete Or Masonry, Add	0.76	
08 51 13 00-0074	3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) (08 51 13 00-0066)		



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Metal Windows	08 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51	13 00-0075	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Color Anodized Finish, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	450.42 7.75 19.38 23.25 27.13 22.26	37.72
08 51	13 00-0076	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Color Anodized Finish, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	509.52 8.85 22.14 26.56 30.99 24.43	40.08
08 51	13 00-0077	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Color Anodized Finish, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	556.20 9.71 24.27 29.13 33.98 26.28	42.43
08 51	13 00-0078	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Color Anodized Finish, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	601.51 10.54 26.34 31.61 36.88 28.10	44.80
08 51	13 00-0079	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Color Anodized Finish, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	701.98 12.47 31.17 37.40 43.64 31.30	47.16
08 51	13 00-0080	SF	>30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Color Anodized Finish, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	23.14 0.42 1.04 1.25 1.45 0.99	1.42
08 51	13 00-0081		Two Rolling Sashes, Horizontal Sliding Aluminum Windows <small>(08 51 13 00-0085)</small>		
08 51	13 00-0082		3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) <small>(08 51 13 00-0081)</small>		
08 51	13 00-0083	EA	Up To 6 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Color Anodized Finish, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	311.12 4.97 12.41 14.90 17.38 18.78	37.72
08 51	13 00-0084	EA	>6 To 10 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Color Anodized Finish, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	359.19 5.85 14.62 17.54 20.47 20.67	40.08
08 51	13 00-0085	EA	>10 To 15 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Color Anodized Finish, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	390.70 6.40 16.00 19.20 22.40 22.15	42.43
08 51	13 00-0086	EA	>15 To 20 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Color Anodized Finish, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	416.70 6.84 17.10 20.52 23.94 23.48	44.80
08 51	13 00-0087	EA	>20 To 30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Color Anodized Finish, Add</i> <i>For Installation In Concrete Or Masonry, Add</i>	485.45 8.14 20.34 24.41 28.48 25.89	47.16

**08 Openings****08 50 Windows****08 51 Metal Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0088	SF		>30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000).....	15.92	1.42
			For 50% Fluoropolymer Finish (Acrynar), Add	0.27	
			For Clear Anodized Finish, Add	0.68	
			For 70% Fluoropolymer Finish (Duranar), Add	0.81	
			For Color Anodized Finish, Add	0.95	
			For Installation In Concrete Or Masonry, Add	0.81	
08 51 13 00-0089			Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Windows (08 51 13 00-0065)		
08 51 13 00-0090			4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330) (08 51 13 00-0089)		
08 51 13 00-0091	EA		Up To 12 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	833.83	37.72
			For 50% Fluoropolymer Finish (Acrynar), Add	15.42	
			For Clear Anodized Finish, Add	38.55	
			For 70% Fluoropolymer Finish (Duranar), Add	46.26	
			For Color Anodized Finish, Add	53.97	
			For Installation In Concrete Or Masonry, Add	31.85	
08 51 13 00-0092	EA		>12 To 18 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	959.50	43.62
			For 50% Fluoropolymer Finish (Acrynar), Add	17.74	
			For Clear Anodized Finish, Add	44.34	
			For 70% Fluoropolymer Finish (Duranar), Add	53.21	
			For Color Anodized Finish, Add	62.08	
			For Installation In Concrete Or Masonry, Add	36.71	
08 51 13 00-0093	EA		>18 To 24 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	1,037.92	45.97
			For 50% Fluoropolymer Finish (Acrynar), Add	19.23	
			For Clear Anodized Finish, Add	48.06	
			For 70% Fluoropolymer Finish (Duranar), Add	57.68	
			For Color Anodized Finish, Add	67.29	
			For Installation In Concrete Or Masonry, Add	39.36	
08 51 13 00-0094	EA		>24 To 40 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	1,257.37	51.87
			For 50% Fluoropolymer Finish (Acrynar), Add	23.42	
			For Clear Anodized Finish, Add	58.55	
			For 70% Fluoropolymer Finish (Duranar), Add	70.26	
			For Color Anodized Finish, Add	81.96	
			For Installation In Concrete Or Masonry, Add	46.56	
08 51 13 00-0095	EA		>40 To 60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	1,452.59	58.95
			For 50% Fluoropolymer Finish (Acrynar), Add	27.09	
			For Clear Anodized Finish, Add	67.72	
			For 70% Fluoropolymer Finish (Duranar), Add	81.26	
			For Color Anodized Finish, Add	94.80	
			For Installation In Concrete Or Masonry, Add	53.51	
08 51 13 00-0096	SF		>60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330) .....	24.92	1.42
			For 50% Fluoropolymer Finish (Acrynar), Add	0.45	
			For Clear Anodized Finish, Add	1.13	
			For 70% Fluoropolymer Finish (Duranar), Add	1.35	
			For Color Anodized Finish, Add	1.58	
			For Installation In Concrete Or Masonry, Add	1.04	
08 51 13 00-0097			Fixed Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0098			2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) (08 51 13 00-0097)		
08 51 13 00-0099	EA		Up To 6 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	210.44	37.72
			For 50% Fluoropolymer Finish (Acrynar), Add	2.95	
			For Clear Anodized Finish, Add	7.38	
			For 70% Fluoropolymer Finish (Duranar), Add	8.85	
			For Color Anodized Finish, Add	10.33	
			For Installation In Concrete Or Masonry, Add	16.26	
08 51 13 00-0100	EA		>6 To 10 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) .....	241.96	40.08
			For 50% Fluoropolymer Finish (Acrynar), Add	3.50	
			For Clear Anodized Finish, Add	8.76	
			For 70% Fluoropolymer Finish (Duranar), Add	10.51	
			For Color Anodized Finish, Add	12.26	
			For Installation In Concrete Or Masonry, Add	17.74	
08 51 13 00-0101	EA		>10 To 15 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) .....	255.54	42.43
			For 50% Fluoropolymer Finish (Acrynar), Add	3.70	
			For Clear Anodized Finish, Add	9.24	
			For 70% Fluoropolymer Finish (Duranar), Add	11.09	
			For Color Anodized Finish, Add	12.94	
			For Installation In Concrete Or Masonry, Add	18.77	
08 51 13 00-0102	EA		>15 To 20 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) .....	269.12	44.80
			For 50% Fluoropolymer Finish (Acrynar), Add	3.89	
			For Clear Anodized Finish, Add	9.72	
			For 70% Fluoropolymer Finish (Duranar), Add	11.67	
			For Color Anodized Finish, Add	13.61	
			For Installation In Concrete Or Masonry, Add	19.79	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Metal Windows	08 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51	13 00-0103	EA	>20 To 30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) ..... For 50% Fluoropolymer Finish (Acrynar), Add For Clear Anodized Finish, Add For 70% Fluoropolymer Finish (Duranar), Add For Color Anodized Finish, Add For Installation In Concrete Or Masonry, Add	362.70 5.68 14.21 17.05 19.89 22.82	47.16
08 51	13 00-0104	SF	>30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) ..... For 50% Fluoropolymer Finish (Acrynar), Add For Clear Anodized Finish, Add For 70% Fluoropolymer Finish (Duranar), Add For Color Anodized Finish, Add For Installation In Concrete Or Masonry, Add	11.84 0.19 0.47 0.57 0.66 0.71	1.42
<b>08 51</b>	<b>13 00-0105</b>		<b>2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)</b> (08 51 13 00-0097)		
08 51	13 00-0106	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) ..... For 50% Fluoropolymer Finish (Acrynar), Add For Clear Anodized Finish, Add For 70% Fluoropolymer Finish (Duranar), Add For Color Anodized Finish, Add For Installation In Concrete Or Masonry, Add	271.13 4.17 10.41 12.50 14.58 17.78	37.72
08 51	13 00-0107	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)..... For 50% Fluoropolymer Finish (Acrynar), Add For Clear Anodized Finish, Add For 70% Fluoropolymer Finish (Duranar), Add For Color Anodized Finish, Add For Installation In Concrete Or Masonry, Add	312.29 4.91 12.27 14.73 17.18 19.50	40.08
08 51	13 00-0108	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)..... For 50% Fluoropolymer Finish (Acrynar), Add For Clear Anodized Finish, Add For 70% Fluoropolymer Finish (Duranar), Add For Color Anodized Finish, Add For Installation In Concrete Or Masonry, Add	336.91 5.32 13.31 15.97 18.63 20.80	42.43
08 51	13 00-0109	EA	>15 To 20 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)..... For 50% Fluoropolymer Finish (Acrynar), Add For Clear Anodized Finish, Add For 70% Fluoropolymer Finish (Duranar), Add For Color Anodized Finish, Add For Installation In Concrete Or Masonry, Add	362.91 5.77 14.41 17.30 20.18 22.14	44.80
08 51	13 00-0110	EA	>20 To 30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)..... For 50% Fluoropolymer Finish (Acrynar), Add For Clear Anodized Finish, Add For 70% Fluoropolymer Finish (Duranar), Add For Color Anodized Finish, Add For Installation In Concrete Or Masonry, Add	485.45 8.14 20.34 24.41 28.48 25.89	47.16
08 51	13 00-0111	SF	>30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)..... For 50% Fluoropolymer Finish (Acrynar), Add For Clear Anodized Finish, Add For 70% Fluoropolymer Finish (Duranar), Add For Color Anodized Finish, Add For Installation In Concrete Or Masonry, Add	15.92 0.27 0.68 0.81 0.95 0.81	1.42
<b>08 51</b>	<b>13 00-0112</b>		<b>3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)</b> (08 51 13 00-0097)		
08 51	13 00-0113	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100) ..... For 50% Fluoropolymer Finish (Acrynar), Add For Clear Anodized Finish, Add For 70% Fluoropolymer Finish (Duranar), Add For Color Anodized Finish, Add For Installation In Concrete Or Masonry, Add	229.75 3.34 8.34 10.01 11.68 16.75	37.72
08 51	13 00-0114	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)..... For 50% Fluoropolymer Finish (Acrynar), Add For Clear Anodized Finish, Add For 70% Fluoropolymer Finish (Duranar), Add For Color Anodized Finish, Add For Installation In Concrete Or Masonry, Add	270.92 4.08 10.21 12.25 14.29 18.46	40.08
08 51	13 00-0115	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)..... For 50% Fluoropolymer Finish (Acrynar), Add For Clear Anodized Finish, Add For 70% Fluoropolymer Finish (Duranar), Add For Color Anodized Finish, Add For Installation In Concrete Or Masonry, Add	292.78 4.44 11.10 13.32 15.54 19.70	42.43
08 51	13 00-0116	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)..... For 50% Fluoropolymer Finish (Acrynar), Add For Clear Anodized Finish, Add For 70% Fluoropolymer Finish (Duranar), Add For Color Anodized Finish, Add For Installation In Concrete Or Masonry, Add	316.02 4.83 12.07 14.48 16.90 20.97	44.80
08 51	13 00-0117	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)..... For 50% Fluoropolymer Finish (Acrynar), Add For Clear Anodized Finish, Add For 70% Fluoropolymer Finish (Duranar), Add For Color Anodized Finish, Add For Installation In Concrete Or Masonry, Add	431.66 7.06 17.65 21.18 24.71 24.54	47.16

**08 Openings****08 50 Windows****08 51 Metal Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0118	SF		>30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100).....	14.12	1.42
			For 50% Fluoropolymer Finish (Acrynar), Add	0.24	
			For Clear Anodized Finish, Add	0.59	
			For 70% Fluoropolymer Finish (Duranar), Add	0.71	
			For Color Anodized Finish, Add	0.82	
			For Installation In Concrete Or Masonry, Add	0.77	
08 51 13 00-0119			<b>4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)</b> (08 51 13 00-0097)		
08 51 13 00-0120	EA		Up To 6 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	228.37	37.72
			For 50% Fluoropolymer Finish (Acrynar), Add	3.31	
			For Clear Anodized Finish, Add	8.28	
			For 70% Fluoropolymer Finish (Duranar), Add	9.93	
			For Color Anodized Finish, Add	11.59	
			For Installation In Concrete Or Masonry, Add	16.71	
08 51 13 00-0121	EA		>6 To 10 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	265.40	40.08
			For 50% Fluoropolymer Finish (Acrynar), Add	3.97	
			For Clear Anodized Finish, Add	9.93	
			For 70% Fluoropolymer Finish (Duranar), Add	11.92	
			For Color Anodized Finish, Add	13.90	
			For Installation In Concrete Or Masonry, Add	18.33	
08 51 13 00-0122	EA		>10 To 15 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	287.26	42.43
			For 50% Fluoropolymer Finish (Acrynar), Add	4.33	
			For Clear Anodized Finish, Add	10.83	
			For 70% Fluoropolymer Finish (Duranar), Add	12.99	
			For Color Anodized Finish, Add	15.16	
			For Installation In Concrete Or Masonry, Add	19.56	
08 51 13 00-0123	EA		>15 To 20 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	310.50	44.80
			For 50% Fluoropolymer Finish (Acrynar), Add	4.72	
			For Clear Anodized Finish, Add	11.79	
			For 70% Fluoropolymer Finish (Duranar), Add	14.15	
			For Color Anodized Finish, Add	16.51	
			For Installation In Concrete Or Masonry, Add	20.83	
08 51 13 00-0124	EA		>20 To 30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	426.14	47.16
			For 50% Fluoropolymer Finish (Acrynar), Add	6.95	
			For Clear Anodized Finish, Add	17.38	
			For 70% Fluoropolymer Finish (Duranar), Add	20.85	
			For Color Anodized Finish, Add	24.33	
			For Installation In Concrete Or Masonry, Add	24.41	
08 51 13 00-0125	SF		>30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500).....	13.95	1.42
			For 50% Fluoropolymer Finish (Acrynar), Add	0.23	
			For Clear Anodized Finish, Add	0.58	
			For 70% Fluoropolymer Finish (Duranar), Add	0.70	
			For Color Anodized Finish, Add	0.81	
			For Installation In Concrete Or Masonry, Add	0.76	
08 51 13 00-0126			<b>Projected Aluminum Windows</b> (08 51 13 00-0001)		
08 51 13 00-0127			<b>Single Vent, Projected Aluminum Windows</b> (08 51 13 00-0126)		
08 51 13 00-0128			<b>2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)</b> (08 51 13 00-0127)		
08 51 13 00-0129	EA		Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250).....	314.16	37.72
			For 50% Fluoropolymer Finish (Acrynar), Add	5.03	
			For Clear Anodized Finish, Add	12.56	
			For 70% Fluoropolymer Finish (Duranar), Add	15.08	
			For Color Anodized Finish, Add	17.59	
			For Installation In Concrete Or Masonry, Add	18.86	
08 51 13 00-0130	EA		>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250).....	341.12	40.08
			For 50% Fluoropolymer Finish (Acrynar), Add	5.49	
			For Clear Anodized Finish, Add	13.72	
			For 70% Fluoropolymer Finish (Duranar), Add	16.46	
			For Color Anodized Finish, Add	19.20	
			For Installation In Concrete Or Masonry, Add	20.22	
08 51 13 00-0131	EA		>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250).....	372.77	42.43
			For 50% Fluoropolymer Finish (Acrynar), Add	6.04	
			For Clear Anodized Finish, Add	15.10	
			For 70% Fluoropolymer Finish (Duranar), Add	18.12	
			For Color Anodized Finish, Add	21.14	
			For Installation In Concrete Or Masonry, Add	21.70	
08 51 13 00-0132	SF		>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250).....	22.50	1.42
			For 50% Fluoropolymer Finish (Acrynar), Add	0.40	
			For Clear Anodized Finish, Add	1.01	
			For 70% Fluoropolymer Finish (Duranar), Add	1.21	
			For Color Anodized Finish, Add	1.41	
			For Installation In Concrete Or Masonry, Add	0.98	
08 51 13 00-0133			<b>2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)</b> (08 51 13 00-0127)		



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Metal Windows	08 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0134	EA		Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) .....	436.09	37.72
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	7.46	
			<i>For Clear Anodized Finish, Add</i>	18.66	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	22.39	
			<i>For Color Anodized Finish, Add</i>	26.13	
			<i>For Installation In Concrete Or Masonry, Add</i>	21.90	
08 51 13 00-0135	EA		>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) .....	483.19	40.08
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.33	
			<i>For Clear Anodized Finish, Add</i>	20.82	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	24.98	
			<i>For Color Anodized Finish, Add</i>	29.15	
			<i>For Installation In Concrete Or Masonry, Add</i>	23.77	
08 51 13 00-0136	EA		>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) .....	538.27	42.43
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.35	
			<i>For Clear Anodized Finish, Add</i>	23.38	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	28.05	
			<i>For Color Anodized Finish, Add</i>	32.73	
			<i>For Installation In Concrete Or Masonry, Add</i>	25.83	
08 51 13 00-0137	SF		>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500).....	33.53	1.42
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.62	
			<i>For Clear Anodized Finish, Add</i>	1.56	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	1.87	
			<i>For Color Anodized Finish, Add</i>	2.18	
			<i>For Installation In Concrete Or Masonry, Add</i>	1.25	
<b>08 51 13 00-0138</b>			<b>3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) <small>(08 51 13 00-0127)</small></b>		
08 51 13 00-0139	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) .....	481.82	37.72
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	8.38	
			<i>For Clear Anodized Finish, Add</i>	20.95	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	25.14	
			<i>For Color Anodized Finish, Add</i>	29.33	
			<i>For Installation In Concrete Or Masonry, Add</i>	23.05	
08 51 13 00-0140	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) .....	536.45	40.08
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.39	
			<i>For Clear Anodized Finish, Add</i>	23.48	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	28.18	
			<i>For Color Anodized Finish, Add</i>	32.88	
			<i>For Installation In Concrete Or Masonry, Add</i>	25.10	
08 51 13 00-0141	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) .....	600.34	42.43
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	10.59	
			<i>For Clear Anodized Finish, Add</i>	26.48	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	31.78	
			<i>For Color Anodized Finish, Add</i>	37.07	
			<i>For Installation In Concrete Or Masonry, Add</i>	27.39	
08 51 13 00-0142	SF		>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500).....	37.67	1.42
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.71	
			<i>For Clear Anodized Finish, Add</i>	1.77	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	2.12	
			<i>For Color Anodized Finish, Add</i>	2.47	
			<i>For Installation In Concrete Or Masonry, Add</i>	1.35	
<b>08 51 13 00-0143</b>			<b>3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600) <small>(08 51 13 00-0127)</small></b>		
08 51 13 00-0144	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600) .....	513.32	37.72
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.01	
			<i>For Clear Anodized Finish, Add</i>	22.52	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	27.03	
			<i>For Color Anodized Finish, Add</i>	31.53	
			<i>For Installation In Concrete Or Masonry, Add</i>	23.84	
08 51 13 00-0145	EA		>6 To 10 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600) .....	573.15	40.08
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	10.13	
			<i>For Clear Anodized Finish, Add</i>	25.32	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	30.38	
			<i>For Color Anodized Finish, Add</i>	35.44	
			<i>For Installation In Concrete Or Masonry, Add</i>	26.02	
08 51 13 00-0146	EA		>10 To 15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600) .....	643.09	42.43
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	11.45	
			<i>For Clear Anodized Finish, Add</i>	28.62	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	34.34	
			<i>For Color Anodized Finish, Add</i>	40.07	
			<i>For Installation In Concrete Or Masonry, Add</i>	28.46	



**08 Openings****08 50 Windows****08 51 Metal Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0147	SF		>15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600) .....	40.52	1.42
			For 50% Fluoropolymer Finish (Acrynar), Add	0.76	
			For Clear Anodized Finish, Add	1.91	
			For 70% Fluoropolymer Finish (Duranar), Add	2.29	
			For Color Anodized Finish, Add	2.67	
			For Installation In Concrete Or Masonry, Add	1.43	
<b>08 51 13 00-0148</b>			<b>4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) (08 51 13 00-0127)</b>		
08 51 13 00-0149	EA		Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) .....	509.26	37.72
			For 50% Fluoropolymer Finish (Acrynar), Add	8.93	
			For Clear Anodized Finish, Add	22.32	
			For 70% Fluoropolymer Finish (Duranar), Add	26.78	
			For Color Anodized Finish, Add	31.25	
			For Installation In Concrete Or Masonry, Add	23.73	
08 51 13 00-0150	EA		>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) .....	568.42	40.08
			For 50% Fluoropolymer Finish (Acrynar), Add	10.03	
			For Clear Anodized Finish, Add	25.08	
			For 70% Fluoropolymer Finish (Duranar), Add	30.10	
			For Color Anodized Finish, Add	35.11	
			For Installation In Concrete Or Masonry, Add	25.90	
08 51 13 00-0151	EA		>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) .....	637.57	42.43
			For 50% Fluoropolymer Finish (Acrynar), Add	11.34	
			For Clear Anodized Finish, Add	28.34	
			For 70% Fluoropolymer Finish (Duranar), Add	34.01	
			For Color Anodized Finish, Add	39.68	
			For Installation In Concrete Or Masonry, Add	28.32	
08 51 13 00-0152	SF		>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) .....	40.15	1.42
			For 50% Fluoropolymer Finish (Acrynar), Add	0.76	
			For Clear Anodized Finish, Add	1.89	
			For 70% Fluoropolymer Finish (Duranar), Add	2.27	
			For Color Anodized Finish, Add	2.65	
			For Installation In Concrete Or Masonry, Add	1.42	
<b>08 51 13 00-0153</b>			<b>Fixed Over Vent, Projected Aluminum Windows (08 51 13 00-0126)</b>		
<b>08 51 13 00-0154</b>			<b>2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) (08 51 13 00-0153)</b>		
08 51 13 00-0155	EA		Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) .....	447.27	37.72
			For 50% Fluoropolymer Finish (Acrynar), Add	7.69	
			For Clear Anodized Finish, Add	19.22	
			For 70% Fluoropolymer Finish (Duranar), Add	23.06	
			For Color Anodized Finish, Add	26.91	
			For Installation In Concrete Or Masonry, Add	22.18	
08 51 13 00-0156	EA		>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) .....	496.21	40.08
			For 50% Fluoropolymer Finish (Acrynar), Add	8.59	
			For Clear Anodized Finish, Add	21.47	
			For 70% Fluoropolymer Finish (Duranar), Add	25.76	
			For Color Anodized Finish, Add	30.06	
			For Installation In Concrete Or Masonry, Add	24.10	
08 51 13 00-0157	EA		>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) .....	553.44	42.43
			For 50% Fluoropolymer Finish (Acrynar), Add	9.65	
			For Clear Anodized Finish, Add	24.14	
			For 70% Fluoropolymer Finish (Duranar), Add	28.96	
			For Color Anodized Finish, Add	33.79	
			For Installation In Concrete Or Masonry, Add	26.21	
08 51 13 00-0158	SF		>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) .....	34.49	1.42
			For 50% Fluoropolymer Finish (Acrynar), Add	0.64	
			For Clear Anodized Finish, Add	1.61	
			For 70% Fluoropolymer Finish (Duranar), Add	1.93	
			For Color Anodized Finish, Add	2.25	
			For Installation In Concrete Or Masonry, Add	1.28	
<b>08 51 13 00-0159</b>			<b>2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) (08 51 13 00-0153)</b>		
08 51 13 00-0160	EA		Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) .....	640.35	37.72
			For 50% Fluoropolymer Finish (Acrynar), Add	11.55	
			For Clear Anodized Finish, Add	28.87	
			For 70% Fluoropolymer Finish (Duranar), Add	34.65	
			For Color Anodized Finish, Add	40.42	
			For Installation In Concrete Or Masonry, Add	27.01	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Metal Windows	08 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0161	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	.....	721.14	40.08
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		13.09	
		<i>For Clear Anodized Finish, Add</i>		32.72	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		39.26	
		<i>For Color Anodized Finish, Add</i>		45.80	
		<i>For Installation In Concrete Or Masonry, Add</i>		29.72	
08 51 13 00-0162	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	.....	815.49	42.43
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		14.90	
		<i>For Clear Anodized Finish, Add</i>		37.24	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		44.69	
		<i>For Color Anodized Finish, Add</i>		52.13	
		<i>For Installation In Concrete Or Masonry, Add</i>		32.77	
08 51 13 00-0163	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	.....	52.01	1.42
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		0.99	
		<i>For Clear Anodized Finish, Add</i>		2.48	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		2.98	
		<i>For Color Anodized Finish, Add</i>		3.48	
		<i>For Installation In Concrete Or Masonry, Add</i>		1.71	
<b>08 51 13 00-0164</b>		<b>3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)</b>			
		<small>(08 51 13 00-0153)</small>			
08 51 13 00-0165	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	.....	680.99	37.72
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		12.36	
		<i>For Clear Anodized Finish, Add</i>		30.91	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		37.09	
		<i>For Color Anodized Finish, Add</i>		43.27	
		<i>For Installation In Concrete Or Masonry, Add</i>		28.03	
08 51 13 00-0166	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	.....	768.49	40.08
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		14.03	
		<i>For Clear Anodized Finish, Add</i>		35.08	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		42.10	
		<i>For Color Anodized Finish, Add</i>		49.12	
		<i>For Installation In Concrete Or Masonry, Add</i>		30.90	
08 51 13 00-0167	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	.....	870.65	42.43
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		16.00	
		<i>For Clear Anodized Finish, Add</i>		40.00	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		48.00	
		<i>For Color Anodized Finish, Add</i>		55.99	
		<i>For Installation In Concrete Or Masonry, Add</i>		34.14	
08 51 13 00-0168	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	.....	55.60	1.42
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		1.06	
		<i>For Clear Anodized Finish, Add</i>		2.66	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		3.19	
		<i>For Color Anodized Finish, Add</i>		3.73	
		<i>For Installation In Concrete Or Masonry, Add</i>		1.80	
<b>08 51 13 00-0169</b>		<b>3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)</b>			
		<small>(08 51 13 00-0153)</small>			
08 51 13 00-0170	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	.....	676.94	37.72
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		12.28	
		<i>For Clear Anodized Finish, Add</i>		30.70	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		36.84	
		<i>For Color Anodized Finish, Add</i>		42.98	
		<i>For Installation In Concrete Or Masonry, Add</i>		27.93	
08 51 13 00-0171	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	.....	763.75	40.08
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		13.94	
		<i>For Clear Anodized Finish, Add</i>		34.85	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		41.82	
		<i>For Color Anodized Finish, Add</i>		48.79	
		<i>For Installation In Concrete Or Masonry, Add</i>		30.78	
08 51 13 00-0172	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	.....	865.14	42.43
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		15.89	
		<i>For Clear Anodized Finish, Add</i>		39.72	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		47.66	
		<i>For Color Anodized Finish, Add</i>		55.61	
		<i>For Installation In Concrete Or Masonry, Add</i>		34.01	
08 51 13 00-0173	SF	>15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	.....	55.32	1.42
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>		1.06	
		<i>For Clear Anodized Finish, Add</i>		2.65	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>		3.18	
		<i>For Color Anodized Finish, Add</i>		3.71	
		<i>For Installation In Concrete Or Masonry, Add</i>		1.80	

**08 Openings**

08 50 Windows

08 51 Metal Windows



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 51 13 00-0174		4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) <small>(08 51 13 00-0153)</small>		
08 51 13 00-0175	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) .....	739.94	37.72
		For 50% Fluoropolymer Finish (Acrynar), Add	13.54	
		For Clear Anodized Finish, Add	33.85	
		For 70% Fluoropolymer Finish (Duranar), Add	40.62	
		For Color Anodized Finish, Add	47.39	
		For Installation In Concrete Or Masonry, Add	29.50	
08 51 13 00-0176	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) .....	837.15	40.08
		For 50% Fluoropolymer Finish (Acrynar), Add	15.41	
		For Clear Anodized Finish, Add	38.52	
		For 70% Fluoropolymer Finish (Duranar), Add	46.22	
		For Color Anodized Finish, Add	53.92	
		For Installation In Concrete Or Masonry, Add	32.62	
08 51 13 00-0177	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) .....	950.65	42.43
		For 50% Fluoropolymer Finish (Acrynar), Add	17.60	
		For Clear Anodized Finish, Add	44.00	
		For 70% Fluoropolymer Finish (Duranar), Add	52.80	
		For Color Anodized Finish, Add	61.59	
		For Installation In Concrete Or Masonry, Add	36.14	
08 51 13 00-0178	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) .....	60.98	1.42
		For 50% Fluoropolymer Finish (Acrynar), Add	1.17	
		For Clear Anodized Finish, Add	2.93	
		For 70% Fluoropolymer Finish (Duranar), Add	3.52	
		For Color Anodized Finish, Add	4.10	
		For Installation In Concrete Or Masonry, Add	1.94	
08 51 13 00-0179		Casement Aluminum Windows <small>(08 51 13 00-0001)</small>		
08 51 13 00-0180		Single Vent, Casement Aluminum Windows <small>(08 51 13 00-0179)</small>		
08 51 13 00-0181		2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) <small>(08 51 13 00-0180)</small>		
08 51 13 00-0182	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) .....	363.95	37.72
		For 50% Fluoropolymer Finish (Acrynar), Add	6.02	
		For Clear Anodized Finish, Add	15.05	
		For 70% Fluoropolymer Finish (Duranar), Add	18.06	
		For Color Anodized Finish, Add	21.08	
		For Installation In Concrete Or Masonry, Add	20.10	
08 51 13 00-0183	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) .....	399.13	40.08
		For 50% Fluoropolymer Finish (Acrynar), Add	6.65	
		For Clear Anodized Finish, Add	16.62	
		For 70% Fluoropolymer Finish (Duranar), Add	19.94	
		For Color Anodized Finish, Add	23.26	
		For Installation In Concrete Or Masonry, Add	21.67	
08 51 13 00-0184	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) .....	440.35	42.43
		For 50% Fluoropolymer Finish (Acrynar), Add	7.39	
		For Clear Anodized Finish, Add	18.48	
		For 70% Fluoropolymer Finish (Duranar), Add	22.18	
		For Color Anodized Finish, Add	25.87	
		For Installation In Concrete Or Masonry, Add	23.39	
08 51 13 00-0185	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) .....	27.01	1.42
		For 50% Fluoropolymer Finish (Acrynar), Add	0.49	
		For Clear Anodized Finish, Add	1.23	
		For 70% Fluoropolymer Finish (Duranar), Add	1.48	
		For Color Anodized Finish, Add	1.73	
		For Installation In Concrete Or Masonry, Add	1.09	
08 51 13 00-0186		2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) <small>(08 51 13 00-0180)</small>		
08 51 13 00-0187	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) .....	548.89	37.72
		For 50% Fluoropolymer Finish (Acrynar), Add	9.72	
		For Clear Anodized Finish, Add	24.30	
		For 70% Fluoropolymer Finish (Duranar), Add	29.16	
		For Color Anodized Finish, Add	34.02	
		For Installation In Concrete Or Masonry, Add	24.72	
08 51 13 00-0188	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) .....	614.58	40.08
		For 50% Fluoropolymer Finish (Acrynar), Add	10.96	
		For Clear Anodized Finish, Add	27.39	
		For 70% Fluoropolymer Finish (Duranar), Add	32.87	
		For Color Anodized Finish, Add	38.34	
		For Installation In Concrete Or Masonry, Add	27.05	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Metal Windows	08 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0189	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	691.36	42.43	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	12.41		
		<i>For Clear Anodized Finish, Add</i>	31.03		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	37.24		
		<i>For Color Anodized Finish, Add</i>	43.44		
		<i>For Installation In Concrete Or Masonry, Add</i>	29.66		
08 51 13 00-0190	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	43.74	1.42	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.83		
		<i>For Clear Anodized Finish, Add</i>	2.07		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	2.48		
		<i>For Color Anodized Finish, Add</i>	2.90		
		<i>For Installation In Concrete Or Masonry, Add</i>	1.51		
08 51 13 00-0191		<b>3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)</b> (08 51 13 00-0180)			
08 51 13 00-0192	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	551.94	37.72	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	9.78		
		<i>For Clear Anodized Finish, Add</i>	24.45		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	29.34		
		<i>For Color Anodized Finish, Add</i>	34.23		
		<i>For Installation In Concrete Or Masonry, Add</i>	24.80		
08 51 13 00-0193	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	618.14	40.08	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	11.03		
		<i>For Clear Anodized Finish, Add</i>	27.57		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	33.08		
		<i>For Color Anodized Finish, Add</i>	38.59		
		<i>For Installation In Concrete Or Masonry, Add</i>	27.14		
08 51 13 00-0194	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	695.50	42.43	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	12.50		
		<i>For Clear Anodized Finish, Add</i>	31.24		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	37.49		
		<i>For Color Anodized Finish, Add</i>	43.73		
		<i>For Installation In Concrete Or Masonry, Add</i>	29.77		
08 51 13 00-0195	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	44.01	1.42	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.83		
		<i>For Clear Anodized Finish, Add</i>	2.08		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	2.50		
		<i>For Color Anodized Finish, Add</i>	2.92		
		<i>For Installation In Concrete Or Masonry, Add</i>	1.51		
08 51 13 00-0196		<b>4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)</b> (08 51 13 00-0180)			
08 51 13 00-0197	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	583.44	37.72	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	10.41		
		<i>For Clear Anodized Finish, Add</i>	26.03		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	31.23		
		<i>For Color Anodized Finish, Add</i>	36.44		
		<i>For Installation In Concrete Or Masonry, Add</i>	25.59		
08 51 13 00-0198	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	654.84	40.08	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	11.76		
		<i>For Clear Anodized Finish, Add</i>	29.40		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	35.28		
		<i>For Color Anodized Finish, Add</i>	41.16		
		<i>For Installation In Concrete Or Masonry, Add</i>	28.06		
08 51 13 00-0199	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	738.25	42.43	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	13.35		
		<i>For Clear Anodized Finish, Add</i>	33.38		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	40.05		
		<i>For Color Anodized Finish, Add</i>	46.73		
		<i>For Installation In Concrete Or Masonry, Add</i>	30.83		
08 51 13 00-0200	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	46.87	1.42	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	0.89		
		<i>For Clear Anodized Finish, Add</i>	2.23		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	2.67		
		<i>For Color Anodized Finish, Add</i>	3.12		
		<i>For Installation In Concrete Or Masonry, Add</i>	1.58		
08 51 13 00-0201		<b>Fixed Over Vent, Casement Aluminum Windows</b> (08 51 13 00-0179)			
08 51 13 00-0202		<b>2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)</b> (08 51 13 00-0201)			
08 51 13 00-0203	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	419.84	37.72	
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	7.14		
		<i>For Clear Anodized Finish, Add</i>	17.85		
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	21.42		
		<i>For Color Anodized Finish, Add</i>	24.99		
		<i>For Installation In Concrete Or Masonry, Add</i>	21.50		

**08 Openings****08 50 Windows****08 51 Metal Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0204	EA		>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) .....	464.24	40.08
			For 50% Fluoropolymer Finish (Acrynar), Add	7.95	
			For Clear Anodized Finish, Add	19.87	
			For 70% Fluoropolymer Finish (Duranar), Add	23.85	
			For Color Anodized Finish, Add	27.82	
			For Installation In Concrete Or Masonry, Add	23.30	
08 51 13 00-0205	EA		>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) .....	516.21	42.43
			For 50% Fluoropolymer Finish (Acrynar), Add	8.91	
			For Clear Anodized Finish, Add	22.27	
			For 70% Fluoropolymer Finish (Duranar), Add	26.73	
			For Color Anodized Finish, Add	31.18	
			For Installation In Concrete Or Masonry, Add	25.28	
08 51 13 00-0206	SF		>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) .....	32.05	1.42
			For 50% Fluoropolymer Finish (Acrynar), Add	0.59	
			For Clear Anodized Finish, Add	1.48	
			For 70% Fluoropolymer Finish (Duranar), Add	1.78	
			For Color Anodized Finish, Add	2.08	
			For Installation In Concrete Or Masonry, Add	1.21	
<b>08 51 13 00-0207</b>			<b>2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) <small>(08 51 13 00-0201)</small></b>		
08 51 13 00-0208	EA		Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) .....	604.78	37.72
			For 50% Fluoropolymer Finish (Acrynar), Add	10.84	
			For Clear Anodized Finish, Add	27.10	
			For 70% Fluoropolymer Finish (Duranar), Add	32.51	
			For Color Anodized Finish, Add	37.93	
			For Installation In Concrete Or Masonry, Add	26.12	
08 51 13 00-0209	EA		>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) .....	679.69	40.08
			For 50% Fluoropolymer Finish (Acrynar), Add	12.26	
			For Clear Anodized Finish, Add	30.64	
			For 70% Fluoropolymer Finish (Duranar), Add	36.77	
			For Color Anodized Finish, Add	42.90	
			For Installation In Concrete Or Masonry, Add	28.68	
08 51 13 00-0210	EA		>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) .....	767.22	42.43
			For 50% Fluoropolymer Finish (Acrynar), Add	13.93	
			For Clear Anodized Finish, Add	34.82	
			For 70% Fluoropolymer Finish (Duranar), Add	41.79	
			For Color Anodized Finish, Add	48.75	
			For Installation In Concrete Or Masonry, Add	31.56	
08 51 13 00-0211	SF		>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) .....	48.80	1.42
			For 50% Fluoropolymer Finish (Acrynar), Add	0.93	
			For Clear Anodized Finish, Add	2.32	
			For 70% Fluoropolymer Finish (Duranar), Add	2.79	
			For Color Anodized Finish, Add	3.25	
			For Installation In Concrete Or Masonry, Add	1.63	
<b>08 51 13 00-0212</b>			<b>3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) <small>(08 51 13 00-0201)</small></b>		
08 51 13 00-0213	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) .....	672.87	37.72
			For 50% Fluoropolymer Finish (Acrynar), Add	12.20	
			For Clear Anodized Finish, Add	30.50	
			For 70% Fluoropolymer Finish (Duranar), Add	36.60	
			For Color Anodized Finish, Add	42.70	
			For Installation In Concrete Or Masonry, Add	27.82	
08 51 13 00-0214	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) .....	759.02	40.08
			For 50% Fluoropolymer Finish (Acrynar), Add	13.84	
			For Clear Anodized Finish, Add	34.61	
			For 70% Fluoropolymer Finish (Duranar), Add	41.53	
			For Color Anodized Finish, Add	48.46	
			For Installation In Concrete Or Masonry, Add	30.67	
08 51 13 00-0215	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) .....	859.62	42.43
			For 50% Fluoropolymer Finish (Acrynar), Add	15.78	
			For Clear Anodized Finish, Add	39.44	
			For 70% Fluoropolymer Finish (Duranar), Add	47.33	
			For Color Anodized Finish, Add	55.22	
			For Installation In Concrete Or Masonry, Add	33.87	
08 51 13 00-0216	SF		>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) .....	54.95	1.42
			For 50% Fluoropolymer Finish (Acrynar), Add	1.05	
			For Clear Anodized Finish, Add	2.63	
			For 70% Fluoropolymer Finish (Duranar), Add	3.16	
			For Color Anodized Finish, Add	3.68	
			For Installation In Concrete Or Masonry, Add	1.79	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 51 13 00-0217 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)</b> <small>(08 51 13 00-0201)</small>		
08 51 13 00-0218 EA Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) .....	734.85	37.72
For 50% Fluoropolymer Finish (Acrynar), Add	13.44	
For Clear Anodized Finish, Add	33.60	
For 70% Fluoropolymer Finish (Duranar), Add	40.32	
For Color Anodized Finish, Add	47.04	
For Installation In Concrete Or Masonry, Add	29.37	
08 51 13 00-0219 EA >6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) .....	831.24	40.08
For 50% Fluoropolymer Finish (Acrynar), Add	15.29	
For Clear Anodized Finish, Add	38.22	
For 70% Fluoropolymer Finish (Duranar), Add	45.87	
For Color Anodized Finish, Add	53.51	
For Installation In Concrete Or Masonry, Add	32.47	
08 51 13 00-0220 EA >10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) .....	943.75	42.43
For 50% Fluoropolymer Finish (Acrynar), Add	17.46	
For Clear Anodized Finish, Add	43.65	
For 70% Fluoropolymer Finish (Duranar), Add	52.38	
For Color Anodized Finish, Add	61.11	
For Installation In Concrete Or Masonry, Add	35.97	
08 51 13 00-0221 SF >15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) .....	60.56	1.42
For 50% Fluoropolymer Finish (Acrynar), Add	1.16	
For Clear Anodized Finish, Add	2.91	
For 70% Fluoropolymer Finish (Duranar), Add	3.49	
For Color Anodized Finish, Add	4.07	
For Installation In Concrete Or Masonry, Add	1.93	
<b>08 51 13 00-0222 Aluminum Window Accessories</b> <small>(08 51 13)</small>		
<b>08 51 13 00-0223 Aluminum Window Mullions</b> <small>(08 51 13 00-0222)</small>		
08 51 13 00-0224 LF Integral Mullions For Aluminum Windows .....	12.05	1.76
For 50% Fluoropolymer Finish (Acrynar), Add	0.18	
For Clear Anodized Finish, Add	0.44	
For 70% Fluoropolymer Finish (Duranar), Add	0.53	
For Color Anodized Finish, Add	0.61	
<b>08 51 13 00-0225 Aluminum Window Panning</b> <small>(08 51 13 00-0222)</small>		
Note: Panning price is determined by window size. For windows greater than 30 square feet multiply window square footage by square foot price.		
08 51 13 00-0226 EA Up To 6 SF Window, Aluminum Window Panning .....	133.98	17.95
For 50% Fluoropolymer Finish (Acrynar), Add	2.08	
For Clear Anodized Finish, Add	5.20	
For 70% Fluoropolymer Finish (Duranar), Add	6.24	
For Color Anodized Finish, Add	7.28	
08 51 13 00-0227 EA >6 To 10 SF Window, Aluminum Window Panning .....	184.00	29.91
For 50% Fluoropolymer Finish (Acrynar), Add	2.68	
For Clear Anodized Finish, Add	6.71	
For 70% Fluoropolymer Finish (Duranar), Add	8.05	
For Color Anodized Finish, Add	9.39	
08 51 13 00-0228 EA >10 To 15 SF Window, Aluminum Window Panning .....	221.46	44.86
For 50% Fluoropolymer Finish (Acrynar), Add	2.93	
For Clear Anodized Finish, Add	7.33	
For 70% Fluoropolymer Finish (Duranar), Add	8.80	
For Color Anodized Finish, Add	10.27	
08 51 13 00-0229 EA >15 To 20 SF Window, Aluminum Window Panning .....	261.44	59.82
For 50% Fluoropolymer Finish (Acrynar), Add	3.23	
For Clear Anodized Finish, Add	8.09	
For 70% Fluoropolymer Finish (Duranar), Add	9.70	
For Color Anodized Finish, Add	11.32	
08 51 13 00-0230 EA >20 To 30 SF Window, Aluminum Window Panning .....	340.12	89.73
For 50% Fluoropolymer Finish (Acrynar), Add	3.81	
For Clear Anodized Finish, Add	9.53	
For 70% Fluoropolymer Finish (Duranar), Add	11.43	
For Color Anodized Finish, Add	13.34	
08 51 13 00-0231 SF >30 SF Window, Aluminum Window Panning .....	12.20	3.74
For 50% Fluoropolymer Finish (Acrynar), Add	0.12	
For Clear Anodized Finish, Add	0.30	
For 70% Fluoropolymer Finish (Duranar), Add	0.36	
For Color Anodized Finish, Add	0.42	
<b>08 51 13 00-0232 Aluminum Window Muntins, Grilles Or Dividers</b> <small>(08 51 13 00-0222)</small>		
08 51 13 00-0233 SF Applied (Per Side) Muntins Grilles Or Dividers For Aluminum Windows .....	2.92	1.76
For 50% Fluoropolymer Finish (Acrynar), Add	0.01	
For Clear Anodized Finish, Add	0.03	
For 70% Fluoropolymer Finish (Duranar), Add	0.03	
For Color Anodized Finish, Add	0.04	

**08 Openings****08 50 Windows****08 51 Metal Windows**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 51 13 00-0234	SF	Internal Only (Between Glass) Muntins, Grilles Or Dividers For Aluminum Windows .....	4.55		1.76
		For 50% Fluoropolymer Finish (Acrynar), Add	0.04		
		For Clear Anodized Finish, Add	0.11		
		For 70% Fluoropolymer Finish (Duranar), Add	0.13		
		For Color Anodized Finish, Add	0.15		
08 51 13 00-0235	SF	Simulated Divided Lite Muntins Grilles Or Dividers For Aluminum Windows .....	9.02		1.76
		For 50% Fluoropolymer Finish (Acrynar), Add	0.06		
		For Clear Anodized Finish, Add	0.16		
		For 70% Fluoropolymer Finish (Duranar), Add	0.19		
		For Color Anodized Finish, Add	0.22		
08 51 13 00-0236	SF	True Divided Lite Muntins Grilles Or Dividers For Aluminum Windows.....	11.07		1.76
		For 50% Fluoropolymer Finish (Acrynar), Add	0.09		
		For Clear Anodized Finish, Add	0.22		
		For 70% Fluoropolymer Finish (Duranar), Add	0.26		
		For Color Anodized Finish, Add	0.31		
<b>08 51 13 00-0237</b>		<b>Other Aluminum Window Accessories</b> (08 51 13 00-0222)			
08 51 13 00-0238	EA	Roto Operator For Casement Aluminum Windows .....	106.90		7.85
08 51 13 00-0239	EA	Head And Sill Automatic Locks For Hung Aluminum Windows.....	51.73		7.85
<b>08 51 19</b>		<b>Stainless-Steel Windows</b> (08 51)			
		See CSI section 08 80 00 00-0000 for glazing.			
<b>08 51 19 00-0001</b>		<b>Stainless Steel Windows Types</b> (08 51 19)			
<b>08 51 19 00-0002</b>		<b>Industrial</b> (08 51 19 00-0001)			
08 51 19 00-0003	SF	Stainless Steel Window With Horizontal Pivot Sash .....	77.26		2.36
		For Heavy Commercial Grade (HC-40), Add	33.59		
		For Non Stock Custom Sizes, Add	7.33		
		For Installation In Concrete Or Masonry, Add	2.62		
08 51 19 00-0004	SF	Stainless Steel Window, Fixed Sash.....	56.57		2.36
		For Heavy Commercial Grade (HC-40), Add	24.28		
		For Non Stock Custom Sizes, Add	5.26		
		For Installation In Concrete Or Masonry, Add	2.10		
<b>08 51 19 00-0005</b>		<b>Projected Sash</b> (08 51 19 00-0001)			
08 51 19 00-0006	SF	Commercial Projected Sash Window - 40% Vented Stainless Steel.....	81.12		2.36
		For Heavy Commercial Grade (HC-40), Add	35.33		
		For Non Stock Custom Sizes, Add	7.72		
		For Installation In Concrete Or Masonry, Add	2.72		
08 51 19 00-0007	SF	Intermediate Projected Sash Window - 40% Vented Stainless Steel.....	90.27		2.36
		For Heavy Commercial Grade (HC-40), Add	39.44		
		For Non Stock Custom Sizes, Add	8.63		
		For Installation In Concrete Or Masonry, Add	2.94		
<b>08 51 19 00-0008</b>		<b>Other Type Sash</b> (08 51 19 00-0001)			
08 51 19 00-0009	SF	Double Hung Stainless Steel Window Sash .....	99.40		2.36
		For Heavy Commercial Grade (HC-40), Add	43.55		
		For Non Stock Custom Sizes, Add	9.55		
		For Installation In Concrete Or Masonry, Add	3.17		
08 51 19 00-0010	SF	Single Hung Stainless Steel Window Sash.....	68.31		2.36
		For Heavy Commercial Grade (HC-40), Add	29.56		
		For Non Stock Custom Sizes, Add	6.44		
		For Installation In Concrete Or Masonry, Add	2.40		
08 51 19 00-0011	SF	Stainless Steel Picture Window Sash .....	55.95		2.36
		For Heavy Commercial Grade (HC-40), Add	24.00		
		For Non Stock Custom Sizes, Add	5.20		
		For Installation In Concrete Or Masonry, Add	2.09		
08 51 19 00-0012	SF	Sliding Stainless Steel Window.....	102.75		2.36
		For Heavy Commercial Grade (HC-40), Add	45.06		
		For Non Stock Custom Sizes, Add	9.88		
		For Installation In Concrete Or Masonry, Add	3.26		
<b>08 51 19 00-0013</b>		<b>Casements</b> (08 51 19 00-0001)			
08 51 19 00-0014	SF	Stainless Steel Window Casements, 100% Vented Operable, Factory Primed.....	88.37		2.36
		For Heavy Commercial Grade (HC-40), Add	38.59		
		For Non Stock Custom Sizes, Add	8.44		
		For Installation In Concrete Or Masonry, Add	2.90		
08 51 19 00-0015	SF	Stainless Steel Window Casements, 50% Vented Operable, Factory Primed.....	75.51		2.36
		For Heavy Commercial Grade (HC-40), Add	32.80		
		For Non Stock Custom Sizes, Add	7.16		
		For Installation In Concrete Or Masonry, Add	2.58		
08 51 19 00-0016	SF	Stainless Steel Window Casements, Fixed Sash, Factory Primed .....	51.24		2.36
		For Heavy Commercial Grade (HC-40), Add	21.88		
		For Non Stock Custom Sizes, Add	4.73		
		For Installation In Concrete Or Masonry, Add	1.97		

**08 51 23 Steel Windows** (08 51)



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Metal Windows	08 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
Note: All sashes are factory primed. See CSI section 08 80 00 00-0000 for glazing.		
<b>08 51 23 00-0001 Steel Windows</b> (08 51 23)		
<b>08 51 23 00-0002 Industrial</b> (08 51 23 00-0001)		
08 51 23 00-0003 SF Industrial Steel Window With Horizontal Pivot Sash.....	37.77	2.36
For Double Glazing Sash, Add	20.54	
For Bonderized Finish, Add	12.86	
For Installation In Concrete Or Masonry, Add	1.63	
08 51 23 00-0004 SF Industrial Steel Window, Fixed Sash.....	33.43	2.36
For Double Glazing Sash, Add	17.94	
For Bonderized Finish, Add	11.21	
For Installation In Concrete Or Masonry, Add	1.52	
08 51 23 00-0005 SF Industrial Steel Window, Operable Security Sash.....	55.55	2.36
For Double Glazing Sash, Add	31.21	
For Bonderized Finish, Add	19.62	
For Installation In Concrete Or Masonry, Add	2.08	
08 51 23 00-0006 SF Industrial Steel Window, Fixed Security Sash.....	46.88	2.36
For Double Glazing Sash, Add	26.01	
For Bonderized Finish, Add	16.32	
For Installation In Concrete Or Masonry, Add	1.86	
<b>08 51 23 00-0007 Projected Sash</b> (08 51 23 00-0001)		
08 51 23 00-0008 SF Commercial Projected Sash Window - 40% Vented Steel.....	44.23	2.36
For Double Glazing Sash, Add	24.42	
For Bonderized Finish, Add	15.31	
For Installation In Concrete Or Masonry, Add	1.79	
08 51 23 00-0009 SF Intermediate Projected Sash Window - 40% Vented Steel.....	49.00	2.36
For Double Glazing Sash, Add	27.28	
For Bonderized Finish, Add	17.13	
For Installation In Concrete Or Masonry, Add	1.91	
<b>08 51 23 00-0010 Other Type Sash</b> (08 51 23 00-0001)		
08 51 23 00-0011 SF Double Hung Steel Window Sash.....	57.42	2.36
For Double Glazing Sash, Add	32.33	
For Bonderized Finish, Add	20.33	
For Installation In Concrete Or Masonry, Add	2.12	
08 51 23 00-0012 SF Steel Picture Window Sash.....	23.46	2.36
For Double Glazing Sash, Add	11.95	
For Bonderized Finish, Add	7.42	
For Installation In Concrete Or Masonry, Add	1.27	
08 51 23 00-0013 SF Fire Rated Double Hung Steel Window Sash.....	59.30	2.95
For Double Glazing Sash, Add	33.46	
For Bonderized Finish, Add	21.04	
For Installation In Concrete Or Masonry, Add	2.17	
08 51 23 00-0014 SF Single Hung Steel Window Sash.....	40.01	2.36
For Double Glazing Sash, Add	21.88	
For Bonderized Finish, Add	13.71	
For Installation In Concrete Or Masonry, Add	1.69	
<b>08 51 23 00-0015 Casements</b> (08 51 23 00-0001)		
08 51 23 00-0016 SF Steel Window Casements, 100% Vented Operable, Factory Primed.....	51.26	1.18
For Double Glazing Sash, Add	28.63	
For Bonderized Finish, Add	17.99	
For Installation In Concrete Or Masonry, Add	1.97	
08 51 23 00-0017 SF Steel Window Casements, 50% Vented Operable, Factory Primed.....	44.05	1.18
For Double Glazing Sash, Add	24.31	
For Bonderized Finish, Add	15.25	
For Installation In Concrete Or Masonry, Add	1.79	
08 51 23 00-0018 SF Steel Window Casements, Fixed Sash, Factory Primed.....	30.44	1.76
For Double Glazing Sash, Add	16.14	
For Bonderized Finish, Add	10.07	
For Installation In Concrete Or Masonry, Add	1.45	
<b>08 51 23 00-0019 Mullions</b> (08 51 23 00-0001)		
08 51 23 00-0020 LF Open Faced Steel Mullion.....	17.56	1.76
08 51 23 00-0021 LF Covered Steel Mullions.....	31.19	1.76
<b>08 51 23 00-0022 Removal And Reinstallation Of Metal Window And Frame</b> (08 51 23)		
Note: Steel or aluminum frame. Includes storage, cleaning and supply materials, caulk and sealants.		
08 51 23 00-0023 SF Removal And Reinstallation Of Metal Window And Frame.....	6.32	
<b>08 51 69 Metal Storm Windows</b> (08 51)		
<b>08 51 69 00-0001 Storm Windows</b> (08 51 69)		
08 51 69 00-0002 SF Double Hung, Aluminum, Combination Storm And Screen.....	23.49	1.18
For Installation In Concrete Or Masonry, Add	0.86	



**08 Openings****08 50 Windows****08 52 Wood Windows**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST
**08 52 Wood Windows** (08 50)**08 52 11 Wood Windows** (08 52)

08 52 11 00-0001	Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 11)</small> Note: Includes demo of the existing sashes and jamb liners. Includes two sashes, jamb liners, insulated glass and all hardware needed for installation. Includes primed pine wood interior and exterior. Excludes window frame, trim, insect screens and grilles.		
08 52 11 00-0002	30" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 11 00-0001)</small>		
08 52 11 00-0003	EA 20" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	179.76	
	For Low-E Insulated Glass, Add	18.54	
	For Aluminum Clad Exterior, Add	19.87	
08 52 11 00-0004	EA 24" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	191.48	
	For Low-E Insulated Glass, Add	19.88	
	For Aluminum Clad Exterior, Add	21.30	
08 52 11 00-0005	EA 28" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	204.17	
	For Low-E Insulated Glass, Add	21.34	
	For Aluminum Clad Exterior, Add	22.87	
08 52 11 00-0006	EA 30" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	210.99	
	For Low-E Insulated Glass, Add	22.14	
	For Aluminum Clad Exterior, Add	23.73	
08 52 11 00-0007	EA 32" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	216.85	
	For Low-E Insulated Glass, Add	22.81	
	For Aluminum Clad Exterior, Add	24.44	
08 52 11 00-0008	EA 34" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	224.63	
	For Low-E Insulated Glass, Add	23.75	
	For Aluminum Clad Exterior, Add	25.44	
08 52 11 00-0009	EA 36" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	227.65	
	For Low-E Insulated Glass, Add	24.02	
	For Aluminum Clad Exterior, Add	25.73	
08 52 11 00-0010	EA 40" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	243.16	
	For Low-E Insulated Glass, Add	25.88	
	For Aluminum Clad Exterior, Add	27.73	
08 52 11 00-0011	EA 44" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows.....	255.85	
	For Low-E Insulated Glass, Add	27.35	
	For Aluminum Clad Exterior, Add	29.30	
08 52 11 00-0012	34" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 11 00-0001)</small>		
08 52 11 00-0013	EA 20" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	191.48	
	For Low-E Insulated Glass, Add	19.88	
	For Aluminum Clad Exterior, Add	21.30	
08 52 11 00-0014	EA 24" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	204.17	
	For Low-E Insulated Glass, Add	21.34	
	For Aluminum Clad Exterior, Add	22.87	
08 52 11 00-0015	EA 28" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	215.76	
	For Low-E Insulated Glass, Add	22.81	
	For Aluminum Clad Exterior, Add	24.44	
08 52 11 00-0016	EA 30" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	224.63	
	For Low-E Insulated Glass, Add	23.75	
	For Aluminum Clad Exterior, Add	25.44	
08 52 11 00-0017	EA 32" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	230.48	
	For Low-E Insulated Glass, Add	24.41	
	For Aluminum Clad Exterior, Add	26.16	
08 52 11 00-0018	EA 34" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	237.31	
	For Low-E Insulated Glass, Add	25.21	
	For Aluminum Clad Exterior, Add	27.01	
08 52 11 00-0019	EA 36" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	243.16	
	For Low-E Insulated Glass, Add	25.88	
	For Aluminum Clad Exterior, Add	27.73	
08 52 11 00-0020	EA 40" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	255.85	
	For Low-E Insulated Glass, Add	27.35	
	For Aluminum Clad Exterior, Add	29.30	
08 52 11 00-0021	EA 44" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	268.54	
	For Low-E Insulated Glass, Add	28.81	
	For Aluminum Clad Exterior, Add	30.87	
08 52 11 00-0022	36" Height, Sash-Only Replacement Kits For Double Hung Wood Windows <small>(08 52 11 00-0001)</small>		
08 52 11 00-0023	EA 20" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	197.75	
	For Low-E Insulated Glass, Add	20.68	
	For Aluminum Clad Exterior, Add	22.15	
08 52 11 00-0024	EA 24" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	210.44	
	For Low-E Insulated Glass, Add	22.14	
	For Aluminum Clad Exterior, Add	23.73	
08 52 11 00-0025	EA 28" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	224.08	
	For Low-E Insulated Glass, Add	23.75	
	For Aluminum Clad Exterior, Add	25.44	
08 52 11 00-0026	EA 30" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	229.93	
	For Low-E Insulated Glass, Add	24.41	
	For Aluminum Clad Exterior, Add	26.16	



<b>Openings</b>	<b>08</b>
Windows	08 50
Wood Windows	08 52

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0027 EA 32" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	236.76	
For Low-E Insulated Glass, Add	25.21	
For Aluminum Clad Exterior, Add	27.01	
08 52 11 00-0028 EA 34" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	242.61	
For Low-E Insulated Glass, Add	25.88	
For Aluminum Clad Exterior, Add	27.73	
08 52 11 00-0029 EA 36" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	249.44	
For Low-E Insulated Glass, Add	26.68	
For Aluminum Clad Exterior, Add	28.59	
08 52 11 00-0030 EA 40" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	261.17	
For Low-E Insulated Glass, Add	28.01	
For Aluminum Clad Exterior, Add	30.02	
08 52 11 00-0031 EA 44" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	273.85	
For Low-E Insulated Glass, Add	29.48	
For Aluminum Clad Exterior, Add	31.59	
<b>08 52 11 00-0032 38" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
<small>(08 52 11 00-0001)</small>		
08 52 11 00-0033 EA 20" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	204.73	
For Low-E Insulated Glass, Add	21.34	
For Aluminum Clad Exterior, Add	22.87	
08 52 11 00-0034 EA 24" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	217.41	
For Low-E Insulated Glass, Add	22.81	
For Aluminum Clad Exterior, Add	24.44	
08 52 11 00-0035 EA 28" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	231.04	
For Low-E Insulated Glass, Add	24.41	
For Aluminum Clad Exterior, Add	26.16	
08 52 11 00-0036 EA 30" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	237.85	
For Low-E Insulated Glass, Add	25.21	
For Aluminum Clad Exterior, Add	27.01	
08 52 11 00-0037 EA 32" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	243.72	
For Low-E Insulated Glass, Add	25.88	
For Aluminum Clad Exterior, Add	27.73	
08 52 11 00-0038 EA 34" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	250.53	
For Low-E Insulated Glass, Add	26.68	
For Aluminum Clad Exterior, Add	28.59	
08 52 11 00-0039 EA 36" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	256.40	
For Low-E Insulated Glass, Add	27.35	
For Aluminum Clad Exterior, Add	29.30	
08 52 11 00-0040 EA 40" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	269.09	
For Low-E Insulated Glass, Add	28.81	
For Aluminum Clad Exterior, Add	30.87	
08 52 11 00-0041 EA 44" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	281.77	
For Low-E Insulated Glass, Add	30.28	
For Aluminum Clad Exterior, Add	32.45	
<b>08 52 11 00-0042 46" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
<small>(08 52 11 00-0001)</small>		
08 52 11 00-0043 EA 20" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	230.48	
For Low-E Insulated Glass, Add	24.41	
For Aluminum Clad Exterior, Add	26.16	
08 52 11 00-0044 EA 24" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	243.16	
For Low-E Insulated Glass, Add	25.88	
For Aluminum Clad Exterior, Add	27.73	
08 52 11 00-0045 EA 28" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	255.85	
For Low-E Insulated Glass, Add	27.35	
For Aluminum Clad Exterior, Add	29.30	
08 52 11 00-0046 EA 30" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	261.71	
For Low-E Insulated Glass, Add	28.01	
For Aluminum Clad Exterior, Add	30.02	
08 52 11 00-0047 EA 32" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	268.54	
For Low-E Insulated Glass, Add	28.81	
For Aluminum Clad Exterior, Add	30.87	
08 52 11 00-0048 EA 34" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	274.39	
For Low-E Insulated Glass, Add	29.48	
For Aluminum Clad Exterior, Add	31.59	
08 52 11 00-0049 EA 36" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	281.22	
For Low-E Insulated Glass, Add	30.28	
For Aluminum Clad Exterior, Add	32.45	
08 52 11 00-0050 EA 40" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	293.90	
For Low-E Insulated Glass, Add	31.75	
For Aluminum Clad Exterior, Add	34.02	
08 52 11 00-0051 EA 44" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	307.53	
For Low-E Insulated Glass, Add	33.35	
For Aluminum Clad Exterior, Add	35.73	
<b>08 52 11 00-0052 48" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
<small>(08 52 11 00-0001)</small>		
08 52 11 00-0053 EA 20" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	236.76	
For Low-E Insulated Glass, Add	25.21	
For Aluminum Clad Exterior, Add	27.01	

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0054	EA		24" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	249.44	
			<i>For Low-E Insulated Glass, Add</i>	26.68	
			<i>For Aluminum Clad Exterior, Add</i>	28.59	
08 52 11 00-0055	EA		28" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	261.17	
			<i>For Low-E Insulated Glass, Add</i>	28.01	
			<i>For Aluminum Clad Exterior, Add</i>	30.02	
08 52 11 00-0056	EA		30" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	267.98	
			<i>For Low-E Insulated Glass, Add</i>	28.81	
			<i>For Aluminum Clad Exterior, Add</i>	30.87	
08 52 11 00-0057	EA		32" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	273.85	
			<i>For Low-E Insulated Glass, Add</i>	29.48	
			<i>For Aluminum Clad Exterior, Add</i>	31.59	
08 52 11 00-0058	EA		34" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	280.66	
			<i>For Low-E Insulated Glass, Add</i>	30.28	
			<i>For Aluminum Clad Exterior, Add</i>	32.45	
08 52 11 00-0059	EA		36" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	286.53	
			<i>For Low-E Insulated Glass, Add</i>	30.95	
			<i>For Aluminum Clad Exterior, Add</i>	33.16	
08 52 11 00-0060	EA		40" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	300.17	
			<i>For Low-E Insulated Glass, Add</i>	32.55	
			<i>For Aluminum Clad Exterior, Add</i>	34.88	
08 52 11 00-0061	EA		44" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows.....	312.85	
			<i>For Low-E Insulated Glass, Add</i>	34.02	
			<i>For Aluminum Clad Exterior, Add</i>	36.45	
<b>08 52 11 00-0062</b>			<b>50" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
			<small>(08 52 11 00-0001)</small>		
08 52 11 00-0063	EA		20" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	243.72	
			<i>For Low-E Insulated Glass, Add</i>	25.88	
			<i>For Aluminum Clad Exterior, Add</i>	27.73	
08 52 11 00-0064	EA		24" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	256.40	
			<i>For Low-E Insulated Glass, Add</i>	27.35	
			<i>For Aluminum Clad Exterior, Add</i>	29.30	
08 52 11 00-0065	EA		28" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	269.09	
			<i>For Low-E Insulated Glass, Add</i>	28.81	
			<i>For Aluminum Clad Exterior, Add</i>	30.87	
08 52 11 00-0066	EA		30" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	274.94	
			<i>For Low-E Insulated Glass, Add</i>	29.48	
			<i>For Aluminum Clad Exterior, Add</i>	31.59	
08 52 11 00-0067	EA		32" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	281.77	
			<i>For Low-E Insulated Glass, Add</i>	30.28	
			<i>For Aluminum Clad Exterior, Add</i>	32.45	
08 52 11 00-0068	EA		34" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	287.63	
			<i>For Low-E Insulated Glass, Add</i>	30.95	
			<i>For Aluminum Clad Exterior, Add</i>	33.16	
08 52 11 00-0069	EA		36" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	294.45	
			<i>For Low-E Insulated Glass, Add</i>	31.75	
			<i>For Aluminum Clad Exterior, Add</i>	34.02	
08 52 11 00-0070	EA		40" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	308.08	
			<i>For Low-E Insulated Glass, Add</i>	33.35	
			<i>For Aluminum Clad Exterior, Add</i>	35.73	
08 52 11 00-0071	EA		44" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows.....	320.76	
			<i>For Low-E Insulated Glass, Add</i>	34.82	
			<i>For Aluminum Clad Exterior, Add</i>	37.30	
<b>08 52 11 00-0072</b>			<b>54" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
			<small>(08 52 11 00-0001)</small>		
08 52 11 00-0073	EA		20" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	256.40	
			<i>For Low-E Insulated Glass, Add</i>	27.35	
			<i>For Aluminum Clad Exterior, Add</i>	29.30	
08 52 11 00-0074	EA		24" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	269.09	
			<i>For Low-E Insulated Glass, Add</i>	28.81	
			<i>For Aluminum Clad Exterior, Add</i>	30.87	
08 52 11 00-0075	EA		28" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	281.77	
			<i>For Low-E Insulated Glass, Add</i>	30.28	
			<i>For Aluminum Clad Exterior, Add</i>	32.45	
08 52 11 00-0076	EA		30" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	287.63	
			<i>For Low-E Insulated Glass, Add</i>	30.95	
			<i>For Aluminum Clad Exterior, Add</i>	33.16	
08 52 11 00-0077	EA		32" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	294.45	
			<i>For Low-E Insulated Glass, Add</i>	31.75	
			<i>For Aluminum Clad Exterior, Add</i>	34.02	
08 52 11 00-0078	EA		34" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	301.27	
			<i>For Low-E Insulated Glass, Add</i>	32.55	
			<i>For Aluminum Clad Exterior, Add</i>	34.88	
08 52 11 00-0079	EA		36" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	308.08	
			<i>For Low-E Insulated Glass, Add</i>	33.35	
			<i>For Aluminum Clad Exterior, Add</i>	35.73	
08 52 11 00-0080	EA		40" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	320.76	
			<i>For Low-E Insulated Glass, Add</i>	34.82	
			<i>For Aluminum Clad Exterior, Add</i>	37.30	
08 52 11 00-0081	EA		44" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	333.45	
			<i>For Low-E Insulated Glass, Add</i>	36.29	
			<i>For Aluminum Clad Exterior, Add</i>	38.88	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 52 11 00-0082</b> <b>58" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b> <small>(08 52 11 00-0001)</small>		
08 52 11 00-0083    EA    20" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	268.54	
For Low-E Insulated Glass, Add	28.81	
For Aluminum Clad Exterior, Add	30.87	
08 52 11 00-0084    EA    24" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	281.22	
For Low-E Insulated Glass, Add	30.28	
For Aluminum Clad Exterior, Add	32.45	
08 52 11 00-0085    EA    28" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	293.90	
For Low-E Insulated Glass, Add	31.75	
For Aluminum Clad Exterior, Add	34.02	
08 52 11 00-0086    EA    30" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	300.71	
For Low-E Insulated Glass, Add	32.55	
For Aluminum Clad Exterior, Add	34.88	
08 52 11 00-0087    EA    32" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	307.53	
For Low-E Insulated Glass, Add	33.35	
For Aluminum Clad Exterior, Add	35.73	
08 52 11 00-0088    EA    34" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	313.39	
For Low-E Insulated Glass, Add	34.02	
For Aluminum Clad Exterior, Add	36.45	
08 52 11 00-0089    EA    36" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	320.21	
For Low-E Insulated Glass, Add	34.82	
For Aluminum Clad Exterior, Add	37.30	
08 52 11 00-0090    EA    40" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	332.90	
For Low-E Insulated Glass, Add	36.29	
For Aluminum Clad Exterior, Add	38.88	
08 52 11 00-0091    EA    44" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	344.62	
For Low-E Insulated Glass, Add	37.62	
For Aluminum Clad Exterior, Add	40.31	
<b>08 52 11 00-0092</b> <b>60" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b> <small>(08 52 11 00-0001)</small>		
08 52 11 00-0093    EA    20" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	273.85	
For Low-E Insulated Glass, Add	29.48	
For Aluminum Clad Exterior, Add	31.59	
08 52 11 00-0094    EA    24" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	286.53	
For Low-E Insulated Glass, Add	30.95	
For Aluminum Clad Exterior, Add	33.16	
08 52 11 00-0095    EA    28" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	300.17	
For Low-E Insulated Glass, Add	32.55	
For Aluminum Clad Exterior, Add	34.88	
08 52 11 00-0096    EA    30" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	306.98	
For Low-E Insulated Glass, Add	33.35	
For Aluminum Clad Exterior, Add	35.73	
08 52 11 00-0097    EA    32" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	312.85	
For Low-E Insulated Glass, Add	34.02	
For Aluminum Clad Exterior, Add	36.45	
08 52 11 00-0098    EA    34" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	319.66	
For Low-E Insulated Glass, Add	34.82	
For Aluminum Clad Exterior, Add	37.30	
08 52 11 00-0099    EA    36" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	325.53	
For Low-E Insulated Glass, Add	35.48	
For Aluminum Clad Exterior, Add	38.02	
08 52 11 00-0100    EA    40" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	338.21	
For Low-E Insulated Glass, Add	36.95	
For Aluminum Clad Exterior, Add	39.59	
08 52 11 00-0101    EA    44" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	350.89	
For Low-E Insulated Glass, Add	38.42	
For Aluminum Clad Exterior, Add	41.16	
<b>08 52 11 00-0102</b> <b>62" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b> <small>(08 52 11 00-0001)</small>		
08 52 11 00-0103    EA    20" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	281.77	
For Low-E Insulated Glass, Add	30.28	
For Aluminum Clad Exterior, Add	32.45	
08 52 11 00-0104    EA    24" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	294.45	
For Low-E Insulated Glass, Add	31.75	
For Aluminum Clad Exterior, Add	34.02	
08 52 11 00-0105    EA    28" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	308.08	
For Low-E Insulated Glass, Add	33.35	
For Aluminum Clad Exterior, Add	35.73	
08 52 11 00-0106    EA    30" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	313.95	
For Low-E Insulated Glass, Add	34.02	
For Aluminum Clad Exterior, Add	36.45	
08 52 11 00-0107    EA    32" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	320.76	
For Low-E Insulated Glass, Add	34.82	
For Aluminum Clad Exterior, Add	37.30	
08 52 11 00-0108    EA    34" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	326.63	
For Low-E Insulated Glass, Add	35.48	
For Aluminum Clad Exterior, Add	38.02	

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0109	EA		36" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	333.45	
			<i>For Low-E Insulated Glass, Add</i>	36.29	
			<i>For Aluminum Clad Exterior, Add</i>	38.88	
08 52 11 00-0110	EA		40" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	345.17	
			<i>For Low-E Insulated Glass, Add</i>	37.62	
			<i>For Aluminum Clad Exterior, Add</i>	40.31	
08 52 11 00-0111	EA		44" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	357.86	
			<i>For Low-E Insulated Glass, Add</i>	39.09	
			<i>For Aluminum Clad Exterior, Add</i>	41.88	
<b>08 52 11 00-0112</b>			<b>66" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
			<small>(08 52 11 00-0001)</small>		
08 52 11 00-0113	EA		20" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	294.45	
			<i>For Low-E Insulated Glass, Add</i>	31.75	
			<i>For Aluminum Clad Exterior, Add</i>	34.02	
08 52 11 00-0114	EA		24" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	308.08	
			<i>For Low-E Insulated Glass, Add</i>	33.35	
			<i>For Aluminum Clad Exterior, Add</i>	35.73	
08 52 11 00-0115	EA		28" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	320.76	
			<i>For Low-E Insulated Glass, Add</i>	34.82	
			<i>For Aluminum Clad Exterior, Add</i>	37.30	
08 52 11 00-0116	EA		30" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	326.63	
			<i>For Low-E Insulated Glass, Add</i>	35.48	
			<i>For Aluminum Clad Exterior, Add</i>	38.02	
08 52 11 00-0117	EA		32" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	333.45	
			<i>For Low-E Insulated Glass, Add</i>	36.29	
			<i>For Aluminum Clad Exterior, Add</i>	38.88	
08 52 11 00-0118	EA		34" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	339.31	
			<i>For Low-E Insulated Glass, Add</i>	36.95	
			<i>For Aluminum Clad Exterior, Add</i>	39.59	
08 52 11 00-0119	EA		36" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	345.17	
			<i>For Low-E Insulated Glass, Add</i>	37.62	
			<i>For Aluminum Clad Exterior, Add</i>	40.31	
08 52 11 00-0120	EA		40" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	357.86	
			<i>For Low-E Insulated Glass, Add</i>	39.09	
			<i>For Aluminum Clad Exterior, Add</i>	41.88	
08 52 11 00-0121	EA		44" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows.....	370.55	
			<i>For Low-E Insulated Glass, Add</i>	40.55	
			<i>For Aluminum Clad Exterior, Add</i>	43.45	
<b>08 52 11 00-0122</b>			<b>70" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
			<small>(08 52 11 00-0001)</small>		
08 52 11 00-0123	EA		20" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	307.53	
			<i>For Low-E Insulated Glass, Add</i>	33.35	
			<i>For Aluminum Clad Exterior, Add</i>	35.73	
08 52 11 00-0124	EA		24" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	320.21	
			<i>For Low-E Insulated Glass, Add</i>	34.82	
			<i>For Aluminum Clad Exterior, Add</i>	37.30	
08 52 11 00-0125	EA		28" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	332.90	
			<i>For Low-E Insulated Glass, Add</i>	36.29	
			<i>For Aluminum Clad Exterior, Add</i>	38.88	
08 52 11 00-0126	EA		30" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	338.76	
			<i>For Low-E Insulated Glass, Add</i>	36.95	
			<i>For Aluminum Clad Exterior, Add</i>	39.59	
08 52 11 00-0127	EA		32" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	344.62	
			<i>For Low-E Insulated Glass, Add</i>	37.62	
			<i>For Aluminum Clad Exterior, Add</i>	40.31	
08 52 11 00-0128	EA		34" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	354.27	
			<i>For Low-E Insulated Glass, Add</i>	38.82	
			<i>For Aluminum Clad Exterior, Add</i>	41.59	
08 52 11 00-0129	EA		36" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	358.30	
			<i>For Low-E Insulated Glass, Add</i>	39.23	
			<i>For Aluminum Clad Exterior, Add</i>	42.03	
08 52 11 00-0130	EA		40" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	369.99	
			<i>For Low-E Insulated Glass, Add</i>	40.55	
			<i>For Aluminum Clad Exterior, Add</i>	43.45	
08 52 11 00-0131	EA		44" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows.....	383.62	
			<i>For Low-E Insulated Glass, Add</i>	42.15	
			<i>For Aluminum Clad Exterior, Add</i>	45.17	
<b>08 52 11 00-0132</b>			<b>74" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
			<small>(08 52 11 00-0001)</small>		
08 52 11 00-0133	EA		20" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	320.76	
			<i>For Low-E Insulated Glass, Add</i>	34.82	
			<i>For Aluminum Clad Exterior, Add</i>	37.30	
08 52 11 00-0134	EA		24" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	333.45	
			<i>For Low-E Insulated Glass, Add</i>	36.29	
			<i>For Aluminum Clad Exterior, Add</i>	38.88	
08 52 11 00-0135	EA		28" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	345.17	
			<i>For Low-E Insulated Glass, Add</i>	37.62	
			<i>For Aluminum Clad Exterior, Add</i>	40.31	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0136	EA		30" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	351.99 38.42 41.16	
08 52 11 00-0137	EA		32" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	357.86 39.09 41.88	
08 52 11 00-0138	EA		34" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	364.67 39.89 42.74	
08 52 11 00-0139	EA		36" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	370.55 40.55 43.45	
08 52 11 00-0140	EA		40" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	384.18 42.15 45.17	
08 52 11 00-0141	EA		44" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	396.86 43.62 46.74	
<b>08 52 11 00-0142</b>			<b>78" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b> <small>(08 52 11 00-0001)</small>		
08 52 11 00-0143	EA		20" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	335.65 36.29 38.88	
08 52 11 00-0144	EA		24" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	347.37 37.62 40.31	
08 52 11 00-0145	EA		28" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	360.07 39.09 41.88	
08 52 11 00-0146	EA		30" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	366.87 39.89 42.74	
08 52 11 00-0147	EA		32" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	372.75 40.55 43.45	
08 52 11 00-0148	EA		34" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	379.55 41.35 44.31	
08 52 11 00-0149	EA		36" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	386.38 42.15 45.17	
08 52 11 00-0150	EA		40" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	399.05 43.62 46.74	
08 52 11 00-0151	EA		44" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows..... <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	411.73 45.09 48.31	
<b>08 52 11 00-0152</b>			<b>Commercial And Institutional Heavy Double Hung Windows</b> <small>(08 52 11)</small> Note: With true divided lites. Performance grade DP 40 in NWWDA I.S. 2-93. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.		
08 52 11 00-0153	SF		Up To 21 SF Double Hung Wood Window With True Divided Lite ..... <i>For Insulating Glass, Add</i>	63.22 4.54	4.92
08 52 11 00-0154	SF		21 To 40 SF Double Hung Wood Window With True Divided Lite ..... <i>For Insulating Glass, Add</i>	58.73 4.06	5.46
08 52 11 00-0155	SF		40 SF And Over Double Hung Wood Window With True Divided Lite ..... <i>For Insulating Glass, Add</i>	54.35 3.58	6.13
<b>08 52 11 00-0156</b>			<b>Architectural And Historic Reproduction Wood Windows</b> <small>(08 52 11)</small> Note: Fixed casement, awning, and double hung. With true divided lites. Casement performance grade DP 40; awning performance grade DP 25; double hung performance grade DP 30. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.		
08 52 11 00-0157	SF		Up To 21 SF Architectural And Historic Reproduction Wood Window ..... <i>For Insulating Glass, Add</i>	68.84 5.02	4.91
08 52 11 00-0158	SF		21 To 40 SF Architectural And Historic Reproduction Wood Window ..... <i>For Insulating Glass, Add</i>	61.77 4.32	5.46
08 52 11 00-0159	SF		40 SF And Over Architectural And Historic Reproduction Wood Window ..... <i>For Insulating Glass, Add</i>	56.13 3.73	6.13
<b>08 52 11 00-0160</b>			<b>Removal And Reinstallation Of Wood Window And Frame</b> <small>(08 52 11)</small> Note: Includes storage, cleaning and supply materials.		
08 52 11 00-0161	SF		Removal And Reinstallation Of Wood Windows And Frames.....	12.57	
<b>08 52 13</b>			<b>Metal-Clad Wood Windows</b> <small>(08 52)</small>		
08 52 13 00-0001			Double Hung Metal Clad Windows <small>(08 52 13)</small>		

**08 Openings****08 50 Windows****08 52 Wood Windows**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0002			<b>Double Hung Metal Clad Windows</b> (08 52 13 00-0001) Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 13 00-0003			<b>36-7/8" Height, Double Hung Metal Clad Windows</b> (08 52 13 00-0002)		
08 52 13 00-0004	EA		21-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	424.02	18.07
			For Tempered Low-E Insulated Glass, Add .....	77.65	
08 52 13 00-0005	EA		25-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	450.97	18.66
			For Tempered Low-E Insulated Glass, Add .....	82.73	
08 52 13 00-0006	EA		29-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	479.49	19.45
			For Tempered Low-E Insulated Glass, Add .....	88.12	
08 52 13 00-0007	EA		31-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	494.53	20.04
			For Tempered Low-E Insulated Glass, Add .....	90.97	
08 52 13 00-0008	EA		33-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	508.00	20.44
			For Tempered Low-E Insulated Glass, Add .....	93.50	
08 52 13 00-0009	EA		35-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	521.46	20.82
			For Tempered Low-E Insulated Glass, Add .....	96.04	
08 52 13 00-0010	EA		37-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	536.52	21.02
			For Tempered Low-E Insulated Glass, Add .....	98.89	
08 52 13 00-0011	EA		41-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	563.45	21.81
			For Tempered Low-E Insulated Glass, Add .....	103.97	
08 52 13 00-0012	EA		45-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	591.95	22.60
			For Tempered Low-E Insulated Glass, Add .....	109.35	
08 52 13 00-0013			<b>40-7/8" Height, Double Hung Metal Clad Windows</b> (08 52 13 00-0002)		
08 52 13 00-0014	EA		21-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	450.97	18.87
			For Tempered Low-E Insulated Glass, Add .....	82.73	
08 52 13 00-0015	EA		25-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	479.49	19.45
			For Tempered Low-E Insulated Glass, Add .....	88.12	
08 52 13 00-0016	EA		29-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	508.00	20.23
			For Tempered Low-E Insulated Glass, Add .....	93.50	
08 52 13 00-0017	EA		31-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	521.46	20.82
			For Tempered Low-E Insulated Glass, Add .....	96.04	
08 52 13 00-0018	EA		33-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	536.52	21.22
			For Tempered Low-E Insulated Glass, Add .....	98.89	
08 52 13 00-0019	EA		35-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	549.98	21.61
			For Tempered Low-E Insulated Glass, Add .....	101.43	
08 52 13 00-0020	EA		37-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	563.45	21.81
			For Tempered Low-E Insulated Glass, Add .....	103.97	
08 52 13 00-0021	EA		41-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	591.95	22.60
			For Tempered Low-E Insulated Glass, Add .....	109.35	
08 52 13 00-0022	EA		45-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	620.46	23.38
			For Tempered Low-E Insulated Glass, Add .....	114.74	
08 52 13 00-0023			<b>44-7/8" Height, Double Hung Metal Clad Windows</b> (08 52 13 00-0002)		
08 52 13 00-0024	EA		21-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	479.49	19.65
			For Tempered Low-E Insulated Glass, Add .....	88.12	
08 52 13 00-0025	EA		25-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	508.00	20.23
			For Tempered Low-E Insulated Glass, Add .....	93.50	
08 52 13 00-0026	EA		29-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	536.52	21.02
			For Tempered Low-E Insulated Glass, Add .....	98.89	
08 52 13 00-0027	EA		31-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	549.98	21.61
			For Tempered Low-E Insulated Glass, Add .....	101.43	
08 52 13 00-0028	EA		33-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	563.45	22.01
			For Tempered Low-E Insulated Glass, Add .....	103.97	
08 52 13 00-0029	EA		35-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	578.48	22.40
			For Tempered Low-E Insulated Glass, Add .....	106.82	
08 52 13 00-0030	EA		37-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	591.95	22.60
			For Tempered Low-E Insulated Glass, Add .....	109.35	
08 52 13 00-0031	EA		41-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	620.46	23.38
			For Tempered Low-E Insulated Glass, Add .....	114.74	
08 52 13 00-0032	EA		45-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	648.98	24.17
			For Tempered Low-E Insulated Glass, Add .....	120.13	
08 52 13 00-0033			<b>48-7/8" Height, Double Hung Metal Clad Windows</b> (08 52 13 00-0002)		
08 52 13 00-0034	EA		21-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	508.00	20.44
			For Tempered Low-E Insulated Glass, Add .....	93.50	
08 52 13 00-0035	EA		25-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	536.52	21.02
			For Tempered Low-E Insulated Glass, Add .....	98.89	
08 52 13 00-0036	EA		29-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	563.45	21.81
			For Tempered Low-E Insulated Glass, Add .....	103.97	
08 52 13 00-0037	EA		31-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	578.48	22.40
			For Tempered Low-E Insulated Glass, Add .....	106.82	
08 52 13 00-0038	EA		33-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	591.95	22.79
			For Tempered Low-E Insulated Glass, Add .....	109.35	
08 52 13 00-0039	EA		35-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	605.41	23.18
			For Tempered Low-E Insulated Glass, Add .....	111.89	
08 52 13 00-0040	EA		37-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	620.46	23.38
			For Tempered Low-E Insulated Glass, Add .....	114.74	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0041	EA		41-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	648.98	24.17
			<i>For Tempered Low-E Insulated Glass, Add</i>	120.13	
08 52 13 00-0042	EA		45-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	675.91	24.95
			<i>For Tempered Low-E Insulated Glass, Add</i>	125.20	
<b>08 52 13 00-0043</b>			<b>52-7/8" Height, Double Hung Metal Clad Windows</b> (08 52 13 00-0002)		
08 52 13 00-0044	EA		21-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	536.52	21.22
			<i>For Tempered Low-E Insulated Glass, Add</i>	98.89	
08 52 13 00-0045	EA		25-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	563.45	21.81
			<i>For Tempered Low-E Insulated Glass, Add</i>	103.97	
08 52 13 00-0046	EA		29-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	591.95	22.60
			<i>For Tempered Low-E Insulated Glass, Add</i>	109.35	
08 52 13 00-0047	EA		31-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	605.41	23.18
			<i>For Tempered Low-E Insulated Glass, Add</i>	111.89	
08 52 13 00-0048	EA		33-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	620.46	23.58
			<i>For Tempered Low-E Insulated Glass, Add</i>	114.74	
08 52 13 00-0049	EA		35-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	633.92	23.97
			<i>For Tempered Low-E Insulated Glass, Add</i>	117.28	
08 52 13 00-0050	EA		37-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	648.98	24.17
			<i>For Tempered Low-E Insulated Glass, Add</i>	120.13	
08 52 13 00-0051	EA		41-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	675.91	24.95
			<i>For Tempered Low-E Insulated Glass, Add</i>	125.20	
08 52 13 00-0052	EA		45-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	704.43	25.74
			<i>For Tempered Low-E Insulated Glass, Add</i>	130.59	
<b>08 52 13 00-0053</b>			<b>56-7/8" Height, Double Hung Metal Clad Windows</b> (08 52 13 00-0002)		
08 52 13 00-0054	EA		21-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	563.45	22.01
			<i>For Tempered Low-E Insulated Glass, Add</i>	103.97	
08 52 13 00-0055	EA		25-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	591.95	22.60
			<i>For Tempered Low-E Insulated Glass, Add</i>	109.35	
08 52 13 00-0056	EA		29-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	620.46	23.38
			<i>For Tempered Low-E Insulated Glass, Add</i>	114.74	
08 52 13 00-0057	EA		31-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	633.92	23.97
			<i>For Tempered Low-E Insulated Glass, Add</i>	117.28	
08 52 13 00-0058	EA		33-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	648.98	24.36
			<i>For Tempered Low-E Insulated Glass, Add</i>	120.13	
08 52 13 00-0059	EA		35-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	662.44	24.76
			<i>For Tempered Low-E Insulated Glass, Add</i>	122.66	
08 52 13 00-0060	EA		37-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	675.91	24.95
			<i>For Tempered Low-E Insulated Glass, Add</i>	125.20	
08 52 13 00-0061	EA		41-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	704.43	25.74
			<i>For Tempered Low-E Insulated Glass, Add</i>	130.59	
08 52 13 00-0062	EA		45-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	732.93	26.53
			<i>For Tempered Low-E Insulated Glass, Add</i>	135.98	
<b>08 52 13 00-0063</b>			<b>60-7/8" Height, Double Hung Metal Clad Windows</b> (08 52 13 00-0002)		
08 52 13 00-0064	EA		21-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	591.95	22.79
			<i>For Tempered Low-E Insulated Glass, Add</i>	109.35	
08 52 13 00-0065	EA		25-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	620.46	23.38
			<i>For Tempered Low-E Insulated Glass, Add</i>	114.74	
08 52 13 00-0066	EA		29-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	648.98	24.17
			<i>For Tempered Low-E Insulated Glass, Add</i>	120.13	
08 52 13 00-0067	EA		31-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	662.44	24.76
			<i>For Tempered Low-E Insulated Glass, Add</i>	122.66	
08 52 13 00-0068	EA		33-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	675.91	25.15
			<i>For Tempered Low-E Insulated Glass, Add</i>	125.20	
08 52 13 00-0069	EA		35-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	690.96	25.55
			<i>For Tempered Low-E Insulated Glass, Add</i>	128.05	
08 52 13 00-0070	EA		37-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	704.43	25.74
			<i>For Tempered Low-E Insulated Glass, Add</i>	130.59	
08 52 13 00-0071	EA		41-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	732.93	26.53
			<i>For Tempered Low-E Insulated Glass, Add</i>	135.98	
08 52 13 00-0072	EA		45-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	759.86	27.31
			<i>For Tempered Low-E Insulated Glass, Add</i>	141.05	
<b>08 52 13 00-0073</b>			<b>64-7/8" Height, Double Hung Metal Clad Windows</b> (08 52 13 00-0002)		
08 52 13 00-0074	EA		21-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	620.46	23.58
			<i>For Tempered Low-E Insulated Glass, Add</i>	114.74	
08 52 13 00-0075	EA		25-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	648.98	24.17
			<i>For Tempered Low-E Insulated Glass, Add</i>	120.13	
08 52 13 00-0076	EA		29-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	675.91	24.95
			<i>For Tempered Low-E Insulated Glass, Add</i>	125.20	
08 52 13 00-0077	EA		31-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	690.96	25.55
			<i>For Tempered Low-E Insulated Glass, Add</i>	128.05	
08 52 13 00-0078	EA		33-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	704.43	25.93
			<i>For Tempered Low-E Insulated Glass, Add</i>	130.59	
08 52 13 00-0079	EA		35-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	717.90	26.33
			<i>For Tempered Low-E Insulated Glass, Add</i>	133.13	



**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0080	EA		37-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	732.93 135.98	26.53
08 52 13 00-0081	EA		41-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	759.86 141.05	27.31
08 52 13 00-0082	EA		45-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	788.37 146.44	28.10
<b>08 52 13 00-0083</b>			<b>68-7/8" Height, Double Hung Metal Clad Windows</b> <small>(08 52 13 00-0002)</small>		
08 52 13 00-0084	EA		21-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	648.98 120.13	24.36
08 52 13 00-0085	EA		25-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	675.91 125.20	24.95
08 52 13 00-0086	EA		29-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	704.43 130.59	25.74
08 52 13 00-0087	EA		31-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	717.90 133.13	26.33
08 52 13 00-0088	EA		33-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	732.93 135.98	26.72
08 52 13 00-0089	EA		35-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	746.40 138.51	27.12
08 52 13 00-0090	EA		37-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	759.86 141.05	27.31
08 52 13 00-0091	EA		41-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	788.37 146.44	28.10
08 52 13 00-0092	EA		45-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	816.89 151.83	28.88
<b>08 52 13 00-0093</b>			<b>72-7/8" Height, Double Hung Metal Clad Windows</b> <small>(08 52 13 00-0002)</small>		
08 52 13 00-0094	EA		21-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	675.91 125.20	25.15
08 52 13 00-0095	EA		25-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	704.43 130.59	25.74
08 52 13 00-0096	EA		29-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	732.93 135.98	26.53
08 52 13 00-0097	EA		31-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	746.40 138.51	27.12
08 52 13 00-0098	EA		33-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	759.86 141.05	27.50
08 52 13 00-0099	EA		35-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	774.91 143.90	27.90
08 52 13 00-0100	EA		37-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	788.37 146.44	28.10
08 52 13 00-0101	EA		41-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	816.89 151.83	28.88
08 52 13 00-0102	EA		45-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	845.40 157.21	29.67
<b>08 52 13 00-0103</b>			<b>76-7/8" Height, Double Hung Metal Clad Windows</b> <small>(08 52 13 00-0002)</small>		
08 52 13 00-0104	EA		21-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	704.43 130.59	25.93
08 52 13 00-0105	EA		25-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	732.93 135.98	26.53
08 52 13 00-0106	EA		29-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	759.86 141.05	27.31
08 52 13 00-0107	EA		31-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	774.91 143.90	27.90
08 52 13 00-0108	EA		33-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	788.37 146.44	28.29
08 52 13 00-0109	EA		35-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	803.43 149.29	28.69
08 52 13 00-0110	EA		37-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	816.89 151.83	28.88
08 52 13 00-0111	EA		41-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	845.40 157.21	29.67
08 52 13 00-0112	EA		45-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	872.34 162.29	30.45
<b>08 52 13 00-0113</b>			<b>84-7/8" Height, Double Hung Metal Clad Windows</b> <small>(08 52 13 00-0002)</small>		
08 52 13 00-0114	EA		21-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,137.05 216.49	27.50
08 52 13 00-0115	EA		25-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,178.25 224.41	28.10
08 52 13 00-0116	EA		29-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,219.43 232.33	28.88
08 52 13 00-0117	EA		31-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,239.24 236.14	29.47
08 52 13 00-0118	EA		33-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,260.62 240.26	29.86



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0119	EA		35-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,280.43 244.06	30.26
08 52 13 00-0120	EA		37-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,300.24 247.87	30.45
08 52 13 00-0121	EA		41-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,341.43 255.79	31.24
08 52 13 00-0122	EA		45-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,382.61 263.71	32.02
<b>08 52 13 00-0123</b>			<b>88-7/8" Height, Double Hung Metal Clad Windows</b> <small>(08 52 13 00-0002)</small>		
08 52 13 00-0124	EA		21-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,178.25 224.41	28.29
08 52 13 00-0125	EA		25-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,219.43 232.33	28.88
08 52 13 00-0126	EA		29-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,260.62 240.26	29.67
08 52 13 00-0127	EA		31-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,280.43 244.06	30.26
08 52 13 00-0128	EA		33-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,300.24 247.87	30.66
08 52 13 00-0129	EA		35-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,321.63 251.99	31.04
08 52 13 00-0130	EA		37-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,341.43 255.79	31.24
08 52 13 00-0131	EA		41-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,382.61 263.71	32.02
08 52 13 00-0132	EA		45-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	1,423.81 271.64	32.81
<b>08 52 13 00-0133</b>			<b>Casement Metal Clad Windows</b> <small>(08 52 13)</small>		
<b>08 52 13 00-0134</b>			<b>Casement Metal Clad Windows</b> <small>(08 52 13 00-0133)</small> Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
<b>08 52 13 00-0135</b>			<b>One Operating Sash, Casement Metal Clad Windows</b> <small>(08 52 13 00-0134)</small>		
<b>08 52 13 00-0136</b>			<b>24-1/8" Height, One Operating Sash, Casement Metal Clad Windows</b> <small>(08 52 13 00-0135)</small>		
08 52 13 00-0137	EA		17" x 24-1/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	263.91 46.89	14.93
08 52 13 00-0138	EA		20-1/2" x 24-1/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	279.65 49.80	15.33
08 52 13 00-0139	EA		24-1/8" x 24-1/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	296.97 52.95	16.11
08 52 13 00-0140	EA		28-3/8" x 24-1/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	312.83 55.81	16.90
<b>08 52 13 00-0141</b>			<b>28-3/8" Height, One Operating Sash, Casement Metal Clad Windows</b> <small>(08 52 13 00-0135)</small>		
08 52 13 00-0142	EA		17" x 28-3/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	283.65 50.52	15.72
08 52 13 00-0143	EA		20-1/2" x 28-3/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	299.40 53.43	16.11
08 52 13 00-0144	EA		24-1/8" x 28-3/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	316.73 56.59	16.90
08 52 13 00-0145	EA		28-3/8" x 28-3/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	324.51 57.83	17.68
08 52 13 00-0146	EA		31-1/2" x 28-3/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	345.23 61.74	18.47
<b>08 52 13 00-0147</b>			<b>35-15/16" Height, One Operating Sash, Casement Metal Clad Windows</b> <small>(08 52 13 00-0135)</small>		
08 52 13 00-0148	EA		17" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	319.14 57.07	16.90
08 52 13 00-0149	EA		20-1/2" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	336.07 60.22	17.68
08 52 13 00-0150	EA		24-1/8" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	353.41 63.37	18.27
08 52 13 00-0151	EA		28-3/8" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	381.65 68.71	19.06
08 52 13 00-0152	EA		31-1/2" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	408.83 73.91	19.65
08 52 13 00-0153	EA		35-15/16" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	435.72 79.13	20.04
<b>08 52 13 00-0154</b>			<b>40-13/16" Height, One Operating Sash, Casement Metal Clad Windows</b> <small>(08 52 13 00-0135)</small>		
08 52 13 00-0155	EA		17" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	342.92 61.43	18.07

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0156	EA		20-1/2" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	358.64	18.47
			<i>For Tempered Low-E Insulated Glass, Add</i>	64.34	
08 52 13 00-0157	EA		24-1/8" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	375.97	19.25
			<i>For Tempered Low-E Insulated Glass, Add</i>	67.49	
08 52 13 00-0158	EA		28-3/8" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	417.55	20.04
			<i>For Tempered Low-E Insulated Glass, Add</i>	75.49	
08 52 13 00-0159	EA		31-1/2" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	446.09	20.82
			<i>For Tempered Low-E Insulated Glass, Add</i>	80.97	
08 52 13 00-0160	EA		35-15/16" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	472.42	21.61
			<i>For Tempered Low-E Insulated Glass, Add</i>	85.92	
<b>08 52 13 00-0161</b>			<b>48" Height, One Operating Sash, Casement Metal Clad Windows</b> <small>(08 52 13 00-0135)</small>		
08 52 13 00-0162	EA		17" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	376.37	19.65
			<i>For Tempered Low-E Insulated Glass, Add</i>	67.49	
08 52 13 00-0163	EA		20-1/2" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	393.30	20.04
			<i>For Tempered Low-E Insulated Glass, Add</i>	70.64	
08 52 13 00-0164	EA		24-1/8" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	410.63	20.82
			<i>For Tempered Low-E Insulated Glass, Add</i>	73.80	
08 52 13 00-0165	EA		28-3/8" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	468.56	21.61
			<i>For Tempered Low-E Insulated Glass, Add</i>	85.07	
08 52 13 00-0166	EA		31-1/2" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	490.65	22.40
			<i>For Tempered Low-E Insulated Glass, Add</i>	89.25	
08 52 13 00-0167	EA		35-15/16" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	524.03	23.18
			<i>For Tempered Low-E Insulated Glass, Add</i>	95.61	
<b>08 52 13 00-0168</b>			<b>52-13/16" Height, One Operating Sash, Casement Metal Clad Windows</b> <small>(08 52 13 00-0135)</small>		
08 52 13 00-0169	EA		17" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	399.76	20.44
			<i>For Tempered Low-E Insulated Glass, Add</i>	71.86	
08 52 13 00-0170	EA		20-1/2" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	415.48	20.82
			<i>For Tempered Low-E Insulated Glass, Add</i>	74.77	
08 52 13 00-0171	EA		24-1/8" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	432.82	21.61
			<i>For Tempered Low-E Insulated Glass, Add</i>	77.92	
08 52 13 00-0172	EA		28-3/8" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	504.68	22.40
			<i>For Tempered Low-E Insulated Glass, Add</i>	91.98	
08 52 13 00-0173	EA		31-1/2" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	538.26	23.18
			<i>For Tempered Low-E Insulated Glass, Add</i>	98.46	
08 52 13 00-0174	EA		35-15/16" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	559.55	23.97
			<i>For Tempered Low-E Insulated Glass, Add</i>	102.40	
<b>08 52 13 00-0175</b>			<b>59-7/8" Height, One Operating Sash, Casement Metal Clad Windows</b> <small>(08 52 13 00-0135)</small>		
08 52 13 00-0176	EA		17" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	432.82	21.61
			<i>For Tempered Low-E Insulated Glass, Add</i>	77.92	
08 52 13 00-0177	EA		20-1/2" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	449.75	22.40
			<i>For Tempered Low-E Insulated Glass, Add</i>	81.07	
08 52 13 00-0178	EA		24-1/8" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	467.06	22.99
			<i>For Tempered Low-E Insulated Glass, Add</i>	84.22	
08 52 13 00-0179	EA		28-3/8" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	555.91	23.77
			<i>For Tempered Low-E Insulated Glass, Add</i>	101.67	
08 52 13 00-0180	EA		31-1/2" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	579.38	24.36
			<i>For Tempered Low-E Insulated Glass, Add</i>	106.13	
08 52 13 00-0181	EA		35-15/16" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	610.78	25.15
			<i>For Tempered Low-E Insulated Glass, Add</i>	112.10	
<b>08 52 13 00-0182</b>			<b>64-13/16" Height, One Operating Sash, Casement Metal Clad Windows</b> <small>(08 52 13 00-0135)</small>		
08 52 13 00-0183	EA		17" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	456.59	22.79
			<i>For Tempered Low-E Insulated Glass, Add</i>	82.28	
08 52 13 00-0184	EA		20-1/2" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	472.32	23.18
			<i>For Tempered Low-E Insulated Glass, Add</i>	85.19	
08 52 13 00-0185	EA		24-1/8" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	489.65	23.97
			<i>For Tempered Low-E Insulated Glass, Add</i>	88.34	
08 52 13 00-0186	EA		28-3/8" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	591.81	24.76
			<i>For Tempered Low-E Insulated Glass, Add</i>	108.46	
08 52 13 00-0187	EA		31-1/2" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	613.55	25.55
			<i>For Tempered Low-E Insulated Glass, Add</i>	112.57	
08 52 13 00-0188	EA		35-15/16" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	646.70	26.33
			<i>For Tempered Low-E Insulated Glass, Add</i>	118.89	
<b>08 52 13 00-0189</b>			<b>71-7/8" Height, One Operating Sash, Casement Metal Clad Windows</b> <small>(08 52 13 00-0135)</small>		
08 52 13 00-0190	EA		17" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	489.65	23.97
			<i>For Tempered Low-E Insulated Glass, Add</i>	88.34	
08 52 13 00-0191	EA		20-1/2" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	506.57	24.76
			<i>For Tempered Low-E Insulated Glass, Add</i>	91.49	
08 52 13 00-0192	EA		24-1/8" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	523.90	25.34
			<i>For Tempered Low-E Insulated Glass, Add</i>	94.64	
08 52 13 00-0193	EA		28-3/8" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	643.06	26.13
			<i>For Tempered Low-E Insulated Glass, Add</i>	118.16	



<b>Openings</b>	<b>08</b>
<b>Windows</b>	<b>08 50</b>
<b>Wood Windows</b>	<b>08 52</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0194	EA		31-1/2" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	670.00	26.72
			<i>For Tempered Low-E Insulated Glass, Add</i>	123.31	
08 52 13 00-0195	EA		35-15/16" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	697.93	27.50
			<i>For Tempered Low-E Insulated Glass, Add</i>	128.58	
<b>08 52 13 00-0196</b>			<b>Two Operating Sashes, Casement Metal Clad Windows</b> <small>(08 52 13 00-0134)</small>		
<b>08 52 13 00-0197</b>			<b>24-1/8" Height, Two Operating Sashes, Casement Metal Clad Windows</b> <small>(08 52 13 00-0196)</small>		
08 52 13 00-0198	EA		40-3/4" x 24-1/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	487.42	19.25
			<i>For Tempered Low-E Insulated Glass, Add</i>	89.78	
08 52 13 00-0199	EA		48" x 24-1/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	556.19	20.82
			<i>For Tempered Low-E Insulated Glass, Add</i>	102.91	
08 52 13 00-0200	EA		56-1/2" x 24-1/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	636.39	22.40
			<i>For Tempered Low-E Insulated Glass, Add</i>	118.32	
<b>08 52 13 00-0201</b>			<b>28-3/8" Height, Two Operating Sashes, Casement Metal Clad Windows</b> <small>(08 52 13 00-0196)</small>		
08 52 13 00-0202	EA		40-3/4" x 28-3/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	527.45	20.04
			<i>For Tempered Low-E Insulated Glass, Add</i>	97.47	
08 52 13 00-0203	EA		48" x 28-3/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	596.24	21.61
			<i>For Tempered Low-E Insulated Glass, Add</i>	110.60	
08 52 13 00-0204	EA		56-1/2" x 28-3/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	676.42	23.18
			<i>For Tempered Low-E Insulated Glass, Add</i>	126.01	
<b>08 52 13 00-0205</b>			<b>35-15/16" Height, Two Operating Sashes, Casement Metal Clad Windows</b> <small>(08 52 13 00-0196)</small>		
08 52 13 00-0206	EA		33-3/4" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	522.29	20.04
			<i>For Tempered Low-E Insulated Glass, Add</i>	96.44	
08 52 13 00-0207	EA		40-3/4" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	592.92	21.61
			<i>For Tempered Low-E Insulated Glass, Add</i>	110.02	
08 52 13 00-0208	EA		48" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	666.36	23.18
			<i>For Tempered Low-E Insulated Glass, Add</i>	124.08	
08 52 13 00-0209	EA		56-1/2" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	751.93	24.56
			<i>For Tempered Low-E Insulated Glass, Add</i>	140.56	
08 52 13 00-0210	EA		62-3/4" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	808.98	25.74
			<i>For Tempered Low-E Insulated Glass, Add</i>	151.50	
08 52 13 00-0211	EA		71-5/8" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	904.49	27.50
			<i>For Tempered Low-E Insulated Glass, Add</i>	169.89	
<b>08 52 13 00-0212</b>			<b>40-13/16" Height, Two Operating Sashes, Casement Metal Clad Windows</b> <small>(08 52 13 00-0196)</small>		
08 52 13 00-0213	EA		33-3/4" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	571.54	21.02
			<i>For Tempered Low-E Insulated Glass, Add</i>	105.90	
08 52 13 00-0214	EA		40-3/4" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	642.15	22.40
			<i>For Tempered Low-E Insulated Glass, Add</i>	119.47	
08 52 13 00-0215	EA		48" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	715.59	23.97
			<i>For Tempered Low-E Insulated Glass, Add</i>	133.53	
08 52 13 00-0216	EA		56-1/2" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	801.17	25.55
			<i>For Tempered Low-E Insulated Glass, Add</i>	150.02	
08 52 13 00-0217	EA		62-3/4" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	864.65	26.72
			<i>For Tempered Low-E Insulated Glass, Add</i>	162.24	
08 52 13 00-0218	EA		71-5/8" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	1,139.17	28.49
			<i>For Tempered Low-E Insulated Glass, Add</i>	216.44	
<b>08 52 13 00-0219</b>			<b>48" Height, Two Operating Sashes, Casement Metal Clad Windows</b> <small>(08 52 13 00-0196)</small>		
08 52 13 00-0220	EA		33-3/4" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	643.77	22.60
			<i>For Tempered Low-E Insulated Glass, Add</i>	119.72	
08 52 13 00-0221	EA		40-3/4" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	715.59	23.97
			<i>For Tempered Low-E Insulated Glass, Add</i>	133.53	
08 52 13 00-0222	EA		48" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	789.04	25.55
			<i>For Tempered Low-E Insulated Glass, Add</i>	147.59	
08 52 13 00-0223	EA		56-1/2" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	874.60	27.12
			<i>For Tempered Low-E Insulated Glass, Add</i>	164.08	
08 52 13 00-0224	EA		62-3/4" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	935.30	28.29
			<i>For Tempered Low-E Insulated Glass, Add</i>	175.74	
08 52 13 00-0225	EA		71-5/8" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	1,027.15	30.06
			<i>For Tempered Low-E Insulated Glass, Add</i>	193.41	
<b>08 52 13 00-0226</b>			<b>52-13/16" Height, Two Operating Sashes, Casement Metal Clad Windows</b> <small>(08 52 13 00-0196)</small>		
08 52 13 00-0227	EA		33-3/4" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	692.60	23.38
			<i>For Tempered Low-E Insulated Glass, Add</i>	129.17	
08 52 13 00-0228	EA		40-3/4" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	763.23	24.76
			<i>For Tempered Low-E Insulated Glass, Add</i>	142.74	
08 52 13 00-0229	EA		48" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	827.67	26.33
			<i>For Tempered Low-E Insulated Glass, Add</i>	155.00	
08 52 13 00-0230	EA		56-1/2" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	922.24	27.90
			<i>For Tempered Low-E Insulated Glass, Add</i>	173.29	

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0231	EA		62-3/4" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	985.96 185.56	29.07
08 52 13 00-0232	EA		71-5/8" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,076.01 202.86	30.85
<b>08 52 13 00-0233</b>			<b>59-7/8" Height, Two Operating Sashes, Casement Metal Clad Windows</b> <small>(08 52 13 00-0196)</small>		
08 52 13 00-0234	EA		33-3/4" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	764.44 142.99	24.76
08 52 13 00-0235	EA		40-3/4" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	835.07 156.56	26.33
08 52 13 00-0236	EA		48" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	908.52 170.62	27.90
08 52 13 00-0237	EA		56-1/2" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	994.08 187.11	29.28
08 52 13 00-0238	EA		62-3/4" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,057.80 199.38	30.45
08 52 13 00-0239	EA		71-5/8" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,146.63 216.44	32.23
<b>08 52 13 00-0240</b>			<b>64-13/16" Height, Two Operating Sashes, Casement Metal Clad Windows</b> <small>(08 52 13 00-0196)</small>		
08 52 13 00-0241	EA		33-3/4" x 64-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	813.67 152.44	25.74
08 52 13 00-0242	EA		40-3/4" x 64-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	884.29 166.01	27.12
08 52 13 00-0243	EA		48" x 64-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	958.95 180.32	28.69
08 52 13 00-0244	EA		56-1/2" x 64-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,044.53 196.80	30.26
<b>08 52 13 00-0245</b>			<b>71-7/8" Height, Two Operating Sashes, Casement Metal Clad Windows</b> <small>(08 52 13 00-0196)</small>		
08 52 13 00-0246	EA		33-3/4" x 71-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	885.50 166.26	27.12
08 52 13 00-0247	EA		40-3/4" x 71-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	956.14 179.83	28.69
08 52 13 00-0248	EA		48" x 71-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,029.58 193.89	30.26
08 52 13 00-0249	EA		56-1/2" x 71-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,115.15 210.38	31.63
<b>08 52 13 00-0250</b>			<b>One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows</b> <small>(08 52 13 00-0134)</small>		
<b>08 52 13 00-0251</b>			<b>24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows</b> <small>(08 52 13 00-0250)</small>		
08 52 13 00-0252	EA		71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	783.90 146.64	25.34
08 52 13 00-0253	EA		84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	915.19 171.88	27.90
<b>08 52 13 00-0254</b>			<b>28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows</b> <small>(08 52 13 00-0250)</small>		
08 52 13 00-0255	EA		71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	833.50 156.25	26.13
08 52 13 00-0256	EA		84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	955.78 179.68	28.69
<b>08 52 13 00-0257</b>			<b>35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows</b> <small>(08 52 13 00-0250)</small>		
08 52 13 00-0258	EA		61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	801.41 150.07	25.55
08 52 13 00-0259	EA		71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	906.91 170.38	27.50
08 52 13 00-0260	EA		84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,036.86 195.35	30.26



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0261			<b>40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows</b> (08 52 13 00-0250)		
08 52 13 00-0262	EA		61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	848.18	26.72
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	159.03	
08 52 13 00-0263	EA		71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	957.35	28.49
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	180.07	
08 52 13 00-0264	EA		84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,086.09	31.04
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	204.80	
08 52 13 00-0265			<b>48" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows</b> (08 52 13 00-0250)		
08 52 13 00-0266	EA		71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,029.58	30.06
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	193.89	
08 52 13 00-0267	EA		84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,158.32	32.61
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	218.62	
08 52 13 00-0268			<b>52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows</b> (08 52 13 00-0250)		
08 52 13 00-0269	EA		71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,078.44	30.85
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	203.35	
08 52 13 00-0270	EA		84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,207.17	33.40
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	228.07	
08 52 13 00-0271			<b>59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows</b> (08 52 13 00-0250)		
08 52 13 00-0272	EA		71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,149.05	32.23
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	216.92	
08 52 13 00-0273	EA		84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	1,279.01	34.97
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	241.89	
08 52 13 00-0274			<b>Awning Metal Clad Windows</b> (08 52 13)		
08 52 13 00-0275			<b>Awning Metal Clad Windows</b> (08 52 13 00-0274) Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 13 00-0276			<b>Venting, Awning Metal Clad Windows</b> (08 52 13 00-0275)		
08 52 13 00-0277			<b>17" Height, Venting, Awning Metal Clad Windows</b> (08 52 13 00-0276)		
08 52 13 00-0278	EA		24-1/8" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	285.42	16.11
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	50.64	
08 52 13 00-0279	EA		28-3/8" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	306.37	16.90
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	54.51	
08 52 13 00-0280	EA		31-1/2" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	323.66	17.49
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	57.74	
08 52 13 00-0281	EA		35-15/16" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	345.48	18.27
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	61.79	
08 52 13 00-0282	EA		40-13/16" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	370.48	19.25
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	66.39	
08 52 13 00-0283	EA		48" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	408.76	20.82
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	73.42	
08 52 13 00-0284	EA		52-13/16" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	433.38	21.61
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	78.03	
08 52 13 00-0285	EA		59-7/8" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	468.84	23.18
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	84.57	
08 52 13 00-0286	EA		64-13/16" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	481.18	23.97
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	86.65	
08 52 13 00-0287	EA		71-7/8" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	516.25	25.34
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	93.11	
08 52 13 00-0288			<b>20-1/2" Height, Venting, Awning Metal Clad Windows</b> (08 52 13 00-0276)		
08 52 13 00-0289	EA		24-1/8" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	301.73	16.90
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	53.67	
08 52 13 00-0290	EA		28-3/8" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	324.52	17.68
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	57.91	
08 52 13 00-0291	EA		31-1/2" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	339.23	18.07
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	60.62	

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0292	EA		35-15/16" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	363.62	18.87
			<i>For Tempered Low-E Insulated Glass, Add</i>	65.18	
08 52 13 00-0293	EA		40-13/16" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	388.63	20.04
			<i>For Tempered Low-E Insulated Glass, Add</i>	69.79	
08 52 13 00-0294	EA		48" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	425.70	21.42
			<i>For Tempered Low-E Insulated Glass, Add</i>	76.57	
08 52 13 00-0295	EA		52-13/16" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	450.30	22.40
			<i>For Tempered Low-E Insulated Glass, Add</i>	81.18	
08 52 13 00-0296	EA		59-7/8" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	487.00	23.58
			<i>For Tempered Low-E Insulated Glass, Add</i>	87.97	
08 52 13 00-0297	EA		64-13/16" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	497.92	24.76
			<i>For Tempered Low-E Insulated Glass, Add</i>	89.76	
08 52 13 00-0298	EA		71-7/8" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	534.19	25.93
			<i>For Tempered Low-E Insulated Glass, Add</i>	96.46	
08 52 13 00-0299	EA		84-5/8" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	847.11	28.69
			<i>For Tempered Low-E Insulated Glass, Add</i>	158.03	
<b>08 52 13 00-0300</b>			<b>24-1/8" Height, Venting, Awning Metal Clad Windows</b> <small>(08 52 13 00-0276)</small>		
08 52 13 00-0301	EA		24-1/8" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	322.09	17.68
			<i>For Tempered Low-E Insulated Glass, Add</i>	57.42	
08 52 13 00-0302	EA		28-3/8" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	343.07	18.47
			<i>For Tempered Low-E Insulated Glass, Add</i>	61.30	
08 52 13 00-0303	EA		31-1/2" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	433.83	18.87
			<i>For Tempered Low-E Insulated Glass, Add</i>	79.22	
08 52 13 00-0304	EA		35-15/16" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	464.59	19.65
			<i>For Tempered Low-E Insulated Glass, Add</i>	85.06	
08 52 13 00-0305	EA		40-13/16" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	407.16	20.82
			<i>For Tempered Low-E Insulated Glass, Add</i>	73.18	
08 52 13 00-0306	EA		48" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	445.46	22.20
			<i>For Tempered Low-E Insulated Glass, Add</i>	80.21	
08 52 13 00-0307	EA		52-13/16" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	470.05	23.18
			<i>For Tempered Low-E Insulated Glass, Add</i>	84.82	
08 52 13 00-0308	EA		59-7/8" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	506.76	24.36
			<i>For Tempered Low-E Insulated Glass, Add</i>	91.61	
08 52 13 00-0309	EA		64-13/16" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	516.25	25.55
			<i>For Tempered Low-E Insulated Glass, Add</i>	93.11	
08 52 13 00-0310	EA		71-7/8" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	551.26	26.72
			<i>For Tempered Low-E Insulated Glass, Add</i>	99.56	
08 52 13 00-0311	EA		84-5/8" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	892.88	29.47
			<i>For Tempered Low-E Insulated Glass, Add</i>	166.87	
<b>08 52 13 00-0312</b>			<b>28-3/8" Height, Venting, Awning Metal Clad Windows</b> <small>(08 52 13 00-0276)</small>		
08 52 13 00-0313	EA		24-1/8" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	320.03	18.47
			<i>For Tempered Low-E Insulated Glass, Add</i>	56.70	
08 52 13 00-0314	EA		28-3/8" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	428.57	19.25
			<i>For Tempered Low-E Insulated Glass, Add</i>	78.09	
08 52 13 00-0315	EA		31-1/2" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	454.67	19.65
			<i>For Tempered Low-E Insulated Glass, Add</i>	83.08	
08 52 13 00-0316	EA		35-15/16" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	414.04	20.44
			<i>For Tempered Low-E Insulated Glass, Add</i>	74.64	
08 52 13 00-0317	EA		40-13/16" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	453.58	21.61
			<i>For Tempered Low-E Insulated Glass, Add</i>	82.15	
08 52 13 00-0318	EA		48" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	511.26	22.99
			<i>For Tempered Low-E Insulated Glass, Add</i>	93.06	
08 52 13 00-0319	EA		52-13/16" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	549.19	23.97
			<i>For Tempered Low-E Insulated Glass, Add</i>	100.33	
08 52 13 00-0320	EA		59-7/8" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	606.51	25.15
			<i>For Tempered Low-E Insulated Glass, Add</i>	111.24	
08 52 13 00-0321	EA		64-13/16" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	626.73	26.33
			<i>For Tempered Low-E Insulated Glass, Add</i>	114.89	
08 52 13 00-0322	EA		71-7/8" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	682.13	27.50
			<i>For Tempered Low-E Insulated Glass, Add</i>	125.42	
08 52 13 00-0323	EA		84-5/8" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	917.15	30.26
			<i>For Tempered Low-E Insulated Glass, Add</i>	171.41	
<b>08 52 13 00-0324</b>			<b>31-1/2" Height, Venting, Awning Metal Clad Windows</b> <small>(08 52 13 00-0276)</small>		
08 52 13 00-0325	EA		28-3/8" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	374.23	19.65
			<i>For Tempered Low-E Insulated Glass, Add</i>	66.99	
08 52 13 00-0326	EA		31-1/2" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	397.01	20.23
			<i>For Tempered Low-E Insulated Glass, Add</i>	71.31	
08 52 13 00-0327	EA		35-15/16" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	428.39	21.02
			<i>For Tempered Low-E Insulated Glass, Add</i>	77.27	
08 52 13 00-0328	EA		40-13/16" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	463.25	22.01
			<i>For Tempered Low-E Insulated Glass, Add</i>	83.85	
08 52 13 00-0329	EA		48" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	513.69	23.58
			<i>For Tempered Low-E Insulated Glass, Add</i>	93.31	
08 52 13 00-0330	EA		52-13/16" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	549.17	24.36
			<i>For Tempered Low-E Insulated Glass, Add</i>	100.09	
08 52 13 00-0331	EA		59-7/8" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	599.20	25.93
			<i>For Tempered Low-E Insulated Glass, Add</i>	109.54	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0332	EA		64-13/16" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	634.07	26.72
			<i>For Tempered Low-E Insulated Glass, Add</i>	116.13	
08 52 13 00-0333	EA		71-7/8" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	685.12	28.10
			<i>For Tempered Low-E Insulated Glass, Add</i>	125.79	
08 52 13 00-0334	EA		84-5/8" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	980.84	30.66
			<i>For Tempered Low-E Insulated Glass, Add</i>	183.91	
<b>08 52 13 00-0335</b>			<b>35-15/16" Height, Venting, Awning Metal Clad Windows</b> <small>(08 52 13 00-0276)</small>		
08 52 13 00-0336	EA		31-1/2" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	428.39	21.02
			<i>For Tempered Low-E Insulated Glass, Add</i>	77.27	
08 52 13 00-0337	EA		35-15/16" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	473.77	21.81
			<i>For Tempered Low-E Insulated Glass, Add</i>	86.03	
08 52 13 00-0338	EA		40-13/16" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	513.31	22.79
			<i>For Tempered Low-E Insulated Glass, Add</i>	93.54	
08 52 13 00-0339	EA		48" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	570.99	24.36
			<i>For Tempered Low-E Insulated Glass, Add</i>	104.45	
08 52 13 00-0340	EA		52-13/16" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	610.13	25.15
			<i>For Tempered Low-E Insulated Glass, Add</i>	111.97	
08 52 13 00-0341	EA		59-7/8" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	666.21	26.72
			<i>For Tempered Low-E Insulated Glass, Add</i>	122.63	
08 52 13 00-0342	EA		64-13/16" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	673.23	27.50
			<i>For Tempered Low-E Insulated Glass, Add</i>	103.64	
08 52 13 00-0343	EA		71-7/8" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	616.65	28.88
			<i>For Tempered Low-E Insulated Glass, Add</i>	111.78	
<b>08 52 13 00-0344</b>			<b>40-3/4" Height, Venting, Awning Metal Clad Windows</b> <small>(08 52 13 00-0276)</small>		
08 52 13 00-0345	EA		35-15/16" x 40-3/4", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	504.06	22.79
			<i>For Tempered Low-E Insulated Glass, Add</i>	92.09	
08 52 13 00-0346	EA		40-13/16" x 40-3/4", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	574.62	24.36
			<i>For Tempered Low-E Insulated Glass, Add</i>	105.18	
<b>08 52 13 00-0347</b>			<b>48" Height, Venting, Awning Metal Clad Windows</b> <small>(08 52 13 00-0276)</small>		
08 52 13 00-0348	EA		35-15/16" x 48", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	607.35	24.36
			<i>For Tempered Low-E Insulated Glass, Add</i>	111.72	
08 52 13 00-0349	EA		40-13/16" x 48", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	675.97	25.55
			<i>For Tempered Low-E Insulated Glass, Add</i>	125.06	
08 52 13 00-0350	EA		48" x 48", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	776.09	26.91
			<i>For Tempered Low-E Insulated Glass, Add</i>	144.45	
<b>08 52 13 00-0351</b>			<b>59-13/16" Height, Venting, Awning Metal Clad Windows</b> <small>(08 52 13 00-0276)</small>		
08 52 13 00-0352	EA		35-15/16" x 59-13/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	759.28	26.53
			<i>For Tempered Low-E Insulated Glass, Add</i>	141.25	
08 52 13 00-0353	EA		40-13/16" x 59-13/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	819.14	27.50
			<i>For Tempered Low-E Insulated Glass, Add</i>	152.82	
<b>08 52 13 00-0354</b>			<b>71-7/8" Height, Venting, Awning Metal Clad Windows</b> <small>(08 52 13 00-0276)</small>		
08 52 13 00-0355	EA		24-1/8" x 71-7/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	834.92	26.72
			<i>For Tempered Low-E Insulated Glass, Add</i>	156.30	
08 52 13 00-0356	EA		35-15/16" x 71-7/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	861.34	28.88
			<i>For Tempered Low-E Insulated Glass, Add</i>	160.72	
08 52 13 00-0357	EA		40-13/16" x 71-7/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	957.49	29.86
			<i>For Tempered Low-E Insulated Glass, Add</i>	179.55	
08 52 13 00-0358	EA		48" x 71-7/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	1,054.57	31.44
			<i>For Tempered Low-E Insulated Glass, Add</i>	198.34	
<b>08 52 13 00-0359</b>			<b>Stationary, Awning Metal Clad Windows</b> <small>(08 52 13 00-0275)</small>		
<b>08 52 13 00-0360</b>			<b>17" Height, Stationary, Awning Metal Clad Windows</b> <small>(08 52 13 00-0359)</small>		
08 52 13 00-0361	EA		24-1/8" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	247.83	16.11
			<i>For Tempered Low-E Insulated Glass, Add</i>	43.12	
08 52 13 00-0362	EA		28-3/8" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	267.59	16.90
			<i>For Tempered Low-E Insulated Glass, Add</i>	46.76	
08 52 13 00-0363	EA		31-1/2" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	280.48	17.49
			<i>For Tempered Low-E Insulated Glass, Add</i>	49.10	
08 52 13 00-0364	EA		35-15/16" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	301.86	18.27
			<i>For Tempered Low-E Insulated Glass, Add</i>	53.06	
08 52 13 00-0365	EA		40-13/16" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	324.42	19.25
			<i>For Tempered Low-E Insulated Glass, Add</i>	57.18	
08 52 13 00-0366	EA		48" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	359.07	20.82
			<i>For Tempered Low-E Insulated Glass, Add</i>	63.48	
08 52 13 00-0367	EA		52-13/16" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	380.04	21.61
			<i>For Tempered Low-E Insulated Glass, Add</i>	67.36	
08 52 13 00-0368	EA		59-7/8" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	413.08	23.18
			<i>For Tempered Low-E Insulated Glass, Add</i>	73.42	
08 52 13 00-0369	EA		64-13/16" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') .....	435.66	23.97
			<i>For Tempered Low-E Insulated Glass, Add</i>	77.54	



**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0370	EA		71-7/8" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	468.72 83.61	25.34
<b>08 52 13 00-0371</b>			<b>20-1/2" Height, Stationary, Awning Metal Clad Windows</b> (08 52 13 00-0359)		
08 52 13 00-0372	EA		24-1/8" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	263.55 46.03	16.90
08 52 13 00-0373	EA		28-3/8" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	283.30 49.67	17.68
08 52 13 00-0374	EA		31-1/2" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	295.03 51.78	18.07
08 52 13 00-0375	EA		35-15/16" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	318.77 56.21	18.87
08 52 13 00-0376	EA		40-13/16" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	341.35 60.33	20.04
08 52 13 00-0377	EA		48" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	374.80 66.39	21.42
08 52 13 00-0378	EA		52-13/16" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	396.97 70.51	22.40
08 52 13 00-0379	EA		59-7/8" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	428.82 76.33	23.58
08 52 13 00-0380	EA		64-13/16" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	452.59 80.69	24.76
08 52 13 00-0381	EA		71-7/8" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	484.43 86.51	25.93
<b>08 52 13 00-0382</b>			<b>24-1/8" Height, Stationary, Awning Metal Clad Windows</b> (08 52 13 00-0359)		
08 52 13 00-0383	EA		24-1/8" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	280.88 49.18	17.68
08 52 13 00-0384	EA		28-3/8" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	300.64 52.82	18.47
08 52 13 00-0385	EA		31-1/2" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	310.98 54.65	18.87
08 52 13 00-0386	EA		35-15/16" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	334.90 59.12	19.65
08 52 13 00-0387	EA		40-13/16" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	357.47 63.24	20.82
08 52 13 00-0388	EA		48" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	390.91 69.30	22.20
08 52 13 00-0389	EA		52-13/16" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	413.08 73.42	23.18
08 52 13 00-0390	EA		59-7/8" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	446.15 79.48	24.36
08 52 13 00-0391	EA		64-13/16" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	468.72 83.61	25.55
08 52 13 00-0392	EA		71-7/8" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	501.76 89.66	26.72
<b>08 52 13 00-0393</b>			<b>28-3/8" Height, Stationary, Awning Metal Clad Windows</b> (08 52 13 00-0359)		
08 52 13 00-0394	EA		24-1/8" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	281.25 48.94	18.47
08 52 13 00-0395	EA		28-3/8" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	308.28 54.03	19.25
08 52 13 00-0396	EA		31-1/2" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	322.83 56.71	19.65
08 52 13 00-0397	EA		35-15/16" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	336.47 59.12	20.44
08 52 13 00-0398	EA		40-13/16" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	388.13 69.06	21.61
08 52 13 00-0399	EA		48" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	433.69 77.54	22.99
08 52 13 00-0400	EA		52-13/16" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	464.36 83.36	23.97
08 52 13 00-0401	EA		59-7/8" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	509.54 91.85	25.15
08 52 13 00-0402	EA		64-13/16" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	541.80 97.91	26.33
08 52 13 00-0403	EA		71-7/8" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	586.98 106.39	27.50
<b>08 52 13 00-0404</b>			<b>31-1/2" Height, Stationary, Awning Metal Clad Windows</b> (08 52 13 00-0359)		
08 52 13 00-0405	EA		28-3/8" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	322.83 56.71	19.65
08 52 13 00-0406	EA		31-1/2" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	341.50 60.20	20.23
08 52 13 00-0407	EA		35-15/16" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	366.71 64.93	21.02
08 52 13 00-0408	EA		40-13/16" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') <i>For Tempered Low-E Insulated Glass, Add</i>	395.42 70.28	22.01



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0409	EA		48" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	436.58 77.88	23.58
08 52 13 00-0410	EA		52-13/16" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	464.88 83.23	24.36
08 52 13 00-0411	EA		59-7/8" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	505.66 90.84	25.93
08 52 13 00-0412	EA		64-13/16" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	533.33 95.98	26.72
08 52 13 00-0413	EA		71-7/8" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	574.11 103.58	28.10
<b>08 52 13 00-0414</b>			<b>35-15/16" Height, Stationary, Awning Metal Clad Windows</b> <small>(08 52 13 00-0359)</small>		
08 52 13 00-0415	EA		31-1/2" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	366.71 64.93	21.02
08 52 13 00-0416	EA		35-15/16" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	404.68 72.21	21.81
08 52 13 00-0417	EA		40-13/16" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	435.74 78.03	22.79
08 52 13 00-0418	EA		48" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	482.51 86.76	24.36
08 52 13 00-0419	EA		52-13/16" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	513.17 92.57	25.15
08 52 13 00-0420	EA		59-7/8" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	558.34 101.06	26.72
08 52 13 00-0421	EA		64-13/16" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	589.40 106.88	27.50
08 52 13 00-0422	EA		71-7/8" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	634.57 115.36	28.88
<b>08 52 13 00-0423</b>			<b>Horizontal Sliding Metal Clad Windows</b> <small>(08 52 13)</small>		
<b>08 52 13 00-0424</b>			<b>One Operating Sash, Horizontal Sliding Metal Clad Windows</b> <small>(08 52 13 00-0423)</small> Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
<b>08 52 13 00-0425</b>			<b>17-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows</b> <small>(08 52 13 00-0424)</small>		
08 52 13 00-0426	EA		47-1/2" x 17-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	352.41 62.23	20.82
<b>08 52 13 00-0427</b>			<b>23-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows</b> <small>(08 52 13 00-0424)</small>		
08 52 13 00-0428	EA		35-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	323.13 56.84	19.25
08 52 13 00-0429	EA		47-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	380.19 67.31	22.01
<b>08 52 13 00-0430</b>			<b>35-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows</b> <small>(08 52 13 00-0424)</small>		
08 52 13 00-0431	EA		35-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	380.19 67.31	22.01
08 52 13 00-0432	EA		47-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	437.27 77.79	24.36
08 52 13 00-0433	EA		59-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	494.34 88.26	26.53
08 52 13 00-0434	EA		71-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	551.41 98.73	28.88
<b>08 52 13 00-0435</b>			<b>41-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows</b> <small>(08 52 13 00-0424)</small>		
08 52 13 00-0436	EA		35-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	409.47 72.70	23.18
08 52 13 00-0437	EA		47-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	465.05 82.87	25.55
08 52 13 00-0438	EA		59-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	522.13 93.34	27.71
08 52 13 00-0439	EA		71-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	631.56 114.29	30.06
<b>08 52 13 00-0440</b>			<b>47-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows</b> <small>(08 52 13 00-0424)</small>		
08 52 13 00-0441	EA		35-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	437.27 77.79	24.36
08 52 13 00-0442	EA		47-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	494.34 88.26	26.72

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0443	EA		59-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	551.41 98.73	28.88
08 52 13 00-0444	EA		71-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	608.48 109.20	31.24
<b>08 52 13 00-0445</b>			<b>53-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows</b> (08 52 13 00-0424)		
08 52 13 00-0446	EA		47-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	522.13 93.34	27.90
08 52 13 00-0447	EA		59-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	579.19 103.81	30.06
08 52 13 00-0448	EA		71-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	636.28 114.29	32.42
<b>08 52 13 00-0449</b>			<b>59-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows</b> (08 52 13 00-0424)		
08 52 13 00-0450	EA		47-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	551.41 98.73	29.07
08 52 13 00-0451	EA		59-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	608.48 109.20	31.24
08 52 13 00-0452	EA		71-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	665.67 119.69	33.60
<b>08 52 13 00-0453</b>			<b>Two Operating Sashes, Horizontal Sliding Metal Clad Windows</b> (08 52 13 00-0423) Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
<b>08 52 13 00-0454</b>			<b>22-1/4" Height, Two Operating Sashes, Horizontal Sliding Metal Clad Windows</b> (08 52 13 00-0453)		
08 52 13 00-0455	EA		35-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	848.03 161.82	19.25
08 52 13 00-0456	EA		47-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,012.81 193.84	22.01
<b>08 52 13 00-0457</b>			<b>35-1/4" Height, Two Operating Sashes, Horizontal Sliding Metal Clad Windows</b> (08 52 13 00-0453)		
08 52 13 00-0458	EA		35-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,026.27 196.53	22.01
08 52 13 00-0459	EA		47-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,192.55 228.84	24.36
08 52 13 00-0460	EA		59-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,357.32 260.85	26.53
08 52 13 00-0461	EA		71-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,522.10 292.87	28.88
<b>08 52 13 00-0462</b>			<b>41-1/4" Height, Two Operating Sashes, Horizontal Sliding Metal Clad Windows</b> (08 52 13 00-0453)		
08 52 13 00-0463	EA		35-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,109.40 212.69	23.18
08 52 13 00-0464	EA		47-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,274.19 244.70	25.55
08 52 13 00-0465	EA		59-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,440.47 277.01	27.71
08 52 13 00-0466	EA		71-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,605.23 309.02	30.06
<b>08 52 13 00-0467</b>			<b>47-1/4" Height, Two Operating Sashes, Horizontal Sliding Metal Clad Windows</b> (08 52 13 00-0453)		
08 52 13 00-0468	EA		35-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,192.55 228.84	24.36
08 52 13 00-0469	EA		47-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,357.32 260.85	26.72
08 52 13 00-0470	EA		59-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,522.10 292.87	28.88
08 52 13 00-0471	EA		71-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,688.36 325.18	31.24
<b>08 52 13 00-0472</b>			<b>59-1/4" Height, Two Operating Sashes, Horizontal Sliding Metal Clad Windows</b> (08 52 13 00-0453)		
08 52 13 00-0473	EA		35-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,357.32 260.85	26.72
08 52 13 00-0474	EA		47-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad') ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,522.10 292.87	29.07



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0475	EA		59-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,688.36 325.18	31.24
08 52 13 00-0476	EA		71-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,853.15 357.19	33.60
08 52 13 00-0477			<b>Picture Metal Clad Windows</b> (08 52 13)		
08 52 13 00-0478			<b>Picture Metal Clad Windows For Awning And Casement Windows</b> (08 52 13 00-0477)		
08 52 13 00-0479			<b>Picture Metal Clad Windows For Awning And Casement Windows</b> (08 52 13 00-0478) Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 13 00-0480			<b>12" Height, Picture Metal Clad Windows For Awning And Casement Windows</b> (08 52 13 00-0479)		
08 52 13 00-0481	EA		40-13/16" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	278.27 49.37	15.72
08 52 13 00-0482	EA		48" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	328.18 58.72	17.29
08 52 13 00-0483	EA		52-13/16" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	349.33 62.64	18.07
08 52 13 00-0484	EA		59-7/8" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	379.27 68.07	19.65
08 52 13 00-0485	EA		64-13/16" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	399.70 71.77	20.44
08 52 13 00-0486	EA		71-7/8" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	429.64 77.20	22.01
08 52 13 00-0487			<b>35-15/16" Height, Picture Metal Clad Windows For Awning And Casement Windows</b> (08 52 13 00-0479)		
08 52 13 00-0488	EA		35-15/16" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	304.82 53.26	19.25
08 52 13 00-0489	EA		40-13/16" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	357.10 63.32	20.44
08 52 13 00-0490	EA		48" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	433.87 78.05	21.81
08 52 13 00-0491	EA		52-13/16" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	484.53 87.87	22.60
08 52 13 00-0492	EA		59-7/8" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	559.69 102.35	23.97
08 52 13 00-0493	EA		64-13/16" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	611.97 112.41	24.95
08 52 13 00-0494	EA		71-7/8" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	932.57 175.98	26.33
08 52 13 00-0495			<b>40-13/16" Height, Picture Metal Clad Windows For Awning And Casement Windows</b> (08 52 13 00-0479)		
08 52 13 00-0496	EA		35-15/16" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	357.10 63.32	20.44
08 52 13 00-0497	EA		40-13/16" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	409.36 73.39	21.22
08 52 13 00-0498	EA		48" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	486.15 88.11	22.79
08 52 13 00-0499	EA		52-13/16" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	536.81 97.93	23.58
08 52 13 00-0500	EA		59-7/8" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	611.97 112.41	25.15
08 52 13 00-0501	EA		64-13/16" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	664.24 122.47	25.93
08 52 13 00-0502	EA		71-7/8" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	739.40 136.96	27.50

**08 Openings**

08 50 Windows

08 52 Wood Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0503			<b>48" Height, Picture Metal Clad Windows For Awning And Casement Windows</b> <i>(08 52 13 00-0479)</i>		
08 52 13 00-0504	EA		35-15/16" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad').....	433.87	22.01
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	78.05	
08 52 13 00-0505	EA		40-13/16" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad').....	486.15	22.79
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	88.11	
08 52 13 00-0506	EA		48" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad').....	562.93	24.36
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	102.84	
08 52 13 00-0507	EA		52-13/16" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad').....	613.58	25.15
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	112.66	
08 52 13 00-0508	EA		59-7/8" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad').....	688.75	26.72
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	127.14	
08 52 13 00-0509	EA		64-13/16" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad').....	741.03	27.50
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	137.20	
08 52 13 00-0510	EA		71-7/8" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad').....	816.18	29.07
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	151.68	
08 52 13 00-0511			<b>52-13/16" Height, Picture Metal Clad Windows For Awning And Casement Windows</b> <i>(08 52 13 00-0479)</i>		
08 52 13 00-0512	EA		35-15/16" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad').....	484.53	22.79
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	87.87	
08 52 13 00-0513	EA		40-13/16" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad').....	536.81	23.58
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	97.93	
08 52 13 00-0514	EA		48" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad').....	613.58	25.15
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	112.66	
08 52 13 00-0515	EA		52-13/16" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad').....	664.24	25.93
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	122.47	
08 52 13 00-0516	EA		59-7/8" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad').....	739.40	27.50
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	136.96	
08 52 13 00-0517	EA		64-13/16" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad').....	791.69	28.29
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	147.02	
08 52 13 00-0518	EA		71-7/8" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad').....	939.25	29.86
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	175.98	
08 52 13 00-0519			<b>59-7/8" Height, Picture Metal Clad Windows For Awning And Casement Windows</b> <i>(08 52 13 00-0479)</i>		
08 52 13 00-0520	EA		35-15/16" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad').....	559.69	23.97
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	102.35	
08 52 13 00-0521	EA		40-13/16" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad').....	611.97	25.15
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	112.41	
08 52 13 00-0522	EA		48" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad').....	688.75	26.53
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	127.14	
08 52 13 00-0523	EA		52-13/16" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad').....	739.40	27.31
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	136.96	
08 52 13 00-0524	EA		59-7/8" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad').....	814.57	28.69
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	151.44	
08 52 13 00-0525	EA		64-13/16" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad').....	866.84	29.67
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	161.50	
08 52 13 00-0526	EA		71-7/8" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad').....	942.01	31.04
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	175.98	
08 52 13 00-0527			<b>64-13/16" Height, Picture Metal Clad Windows For Awning And Casement Windows</b> <i>(08 52 13 00-0479)</i>		
08 52 13 00-0528	EA		35-15/16" x 64-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad').....	611.97	25.15
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	112.41	
08 52 13 00-0529	EA		40-13/16" x 64-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad').....	664.24	25.93
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	122.47	
08 52 13 00-0530	EA		48" x 64-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad').....	741.03	27.50
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	137.20	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0531	EA		52-13/16" x 64-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad') .....	791.69	28.29
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	147.02	
08 52 13 00-0532	EA		59-7/8" x 64-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad') .....	939.25	29.86
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	175.98	
<b>08 52 13 00-0533</b>			<b>71-7/8" Height, Picture Metal Clad Windows For Awning And Casement Windows</b> <small>(08 52 13 00-0479)</small>		
08 52 13 00-0534	EA		35-15/16" x 71-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad') .....	687.12	26.33
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	126.89	
08 52 13 00-0535	EA		40-13/16" x 71-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad') .....	739.40	27.50
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	136.96	
08 52 13 00-0536	EA		48" x 71-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad') .....	816.18	28.88
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	151.68	
08 52 13 00-0537	EA		52-13/16" x 71-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad') .....	866.84	29.67
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	161.50	
08 52 13 00-0538	EA		59-7/8" x 71-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad') .....	942.01	31.04
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	175.98	
08 52 13 00-0539			<b>Picture Metal Clad Windows For Double Hung Windows</b> <small>(08 52 13 00-0477)</small>		
08 52 13 00-0540			<b>Picture Metal Clad Windows For Double Hung Windows</b> <small>(08 52 13 00-0539)</small> Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 13 00-0541			<b>48-7/8" Height, Picture Metal Clad Windows For Double Hung Windows</b> <small>(08 52 13 00-0540)</small>		
08 52 13 00-0542	EA		12" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	457.14	18.47
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	84.04	
08 52 13 00-0543	EA		37-5/8" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	644.16	23.58
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	119.48	
08 52 13 00-0544	EA		41-5/8" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	672.58	24.17
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	124.85	
08 52 13 00-0545	EA		47-5/16" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	715.22	25.34
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	132.91	
08 52 13 00-0546	EA		51-5/16" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	743.65	26.33
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	138.28	
08 52 13 00-0547	EA		59-5/16" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	801.83	27.71
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	149.28	
08 52 13 00-0548	EA		67-5/16" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	860.00	29.47
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	160.29	
08 52 13 00-0549			<b>52-7/8" Height, Picture Metal Clad Windows For Double Hung Windows</b> <small>(08 52 13 00-0540)</small>		
08 52 13 00-0550	EA		12" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	486.89	19.25
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	89.68	
08 52 13 00-0551	EA		37-5/8" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	672.58	24.36
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	124.85	
08 52 13 00-0552	EA		41-5/8" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	702.35	24.95
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	130.49	
08 52 13 00-0553	EA		47-5/16" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	743.65	26.13
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	138.28	
08 52 13 00-0554	EA		51-5/16" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	773.40	27.12
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	143.91	
08 52 13 00-0555	EA		59-5/16" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	831.58	28.49
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	154.92	
08 52 13 00-0556	EA		67-5/16" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	889.77	30.26
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	165.93	
08 52 13 00-0557			<b>56-7/8" Height, Picture Metal Clad Windows For Double Hung Windows</b> <small>(08 52 13 00-0540)</small>		
08 52 13 00-0558	EA		12" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	515.32	20.04
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	95.05	
08 52 13 00-0559	EA		37-5/8" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	702.35	25.15
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	130.49	
08 52 13 00-0560	EA		41-5/8" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	730.77	25.74
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	135.86	
08 52 13 00-0561	EA		47-5/16" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	773.40	26.91
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	143.91	
08 52 13 00-0562	EA		51-5/16" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	801.83	27.90
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	149.28	
08 52 13 00-0563	EA		59-5/16" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	860.00	29.28
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	160.29	
08 52 13 00-0564	EA		67-5/16" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	919.53	31.04
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	171.57	

**08 Openings****08 50 Windows**

08 52 Wood Windows



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0565			<b>60-7/8" Height, Picture Metal Clad Windows For Double Hung Windows</b> <small>(08 52)</small>		
			<small>13 00-0540</small>		
08 52 13 00-0566	EA		12" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	545.08	20.82
			<i>For Tempered Low-E Insulated Glass, Add</i>	100.69	
08 52 13 00-0567	EA		37-5/8" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	730.77	25.93
			<i>For Tempered Low-E Insulated Glass, Add</i>	135.86	
08 52 13 00-0568	EA		41-5/8" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	760.54	26.53
			<i>For Tempered Low-E Insulated Glass, Add</i>	141.50	
08 52 13 00-0569	EA		47-5/16" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	801.83	27.71
			<i>For Tempered Low-E Insulated Glass, Add</i>	149.28	
08 52 13 00-0570	EA		51-5/16" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	831.58	28.69
			<i>For Tempered Low-E Insulated Glass, Add</i>	154.92	
08 52 13 00-0571	EA		59-5/16" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	889.77	30.06
			<i>For Tempered Low-E Insulated Glass, Add</i>	165.93	
08 52 13 00-0572	EA		67-5/16" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	947.96	31.83
			<i>For Tempered Low-E Insulated Glass, Add</i>	176.94	
08 52 13 00-0573			<b>64-7/8" Height, Picture Metal Clad Windows For Double Hung Windows</b> <small>(08 52)</small>		
			<small>13 00-0540</small>		
08 52 13 00-0574	EA		12" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	573.50	21.61
			<i>For Tempered Low-E Insulated Glass, Add</i>	106.05	
08 52 13 00-0575	EA		37-5/8" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	760.54	26.72
			<i>For Tempered Low-E Insulated Glass, Add</i>	141.50	
08 52 13 00-0576	EA		41-5/8" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	790.29	27.31
			<i>For Tempered Low-E Insulated Glass, Add</i>	147.13	
08 52 13 00-0577	EA		47-5/16" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	831.58	28.49
			<i>For Tempered Low-E Insulated Glass, Add</i>	154.92	
08 52 13 00-0578	EA		51-5/16" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	860.00	29.47
			<i>For Tempered Low-E Insulated Glass, Add</i>	160.29	
08 52 13 00-0579	EA		59-5/16" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	919.53	30.85
			<i>For Tempered Low-E Insulated Glass, Add</i>	171.57	
08 52 13 00-0580	EA		67-5/16" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	977.73	32.61
			<i>For Tempered Low-E Insulated Glass, Add</i>	182.58	
08 52 13 00-0581			<b>68-7/8" Height, Picture Metal Clad Windows For Double Hung Windows</b> <small>(08 52)</small>		
			<small>13 00-0540</small>		
08 52 13 00-0582	EA		12" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	603.27	22.40
			<i>For Tempered Low-E Insulated Glass, Add</i>	111.69	
08 52 13 00-0583	EA		37-5/8" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	790.29	27.50
			<i>For Tempered Low-E Insulated Glass, Add</i>	147.13	
08 52 13 00-0584	EA		41-5/8" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	818.71	28.10
			<i>For Tempered Low-E Insulated Glass, Add</i>	152.50	
08 52 13 00-0585	EA		47-5/16" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	860.00	29.28
			<i>For Tempered Low-E Insulated Glass, Add</i>	160.29	
08 52 13 00-0586	EA		51-5/16" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	889.77	30.26
			<i>For Tempered Low-E Insulated Glass, Add</i>	165.93	
08 52 13 00-0587	EA		59-5/16" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	947.96	31.63
			<i>For Tempered Low-E Insulated Glass, Add</i>	176.94	
08 52 13 00-0588	EA		67-5/16" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	1,006.15	33.40
			<i>For Tempered Low-E Insulated Glass, Add</i>	187.95	
08 52 13 00-0589			<b>72-7/8" Height, Picture Metal Clad Windows For Double Hung Windows</b> <small>(08 52)</small>		
			<small>13 00-0540</small>		
08 52 13 00-0590	EA		12" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	631.69	23.18
			<i>For Tempered Low-E Insulated Glass, Add</i>	117.06	
08 52 13 00-0591	EA		37-5/8" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	818.71	28.29
			<i>For Tempered Low-E Insulated Glass, Add</i>	152.50	
08 52 13 00-0592	EA		41-5/8" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	848.48	28.88
			<i>For Tempered Low-E Insulated Glass, Add</i>	158.14	
08 52 13 00-0593	EA		47-5/16" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	889.77	30.06
			<i>For Tempered Low-E Insulated Glass, Add</i>	165.93	
08 52 13 00-0594	EA		51-5/16" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	919.53	31.04
			<i>For Tempered Low-E Insulated Glass, Add</i>	171.57	
08 52 13 00-0595	EA		59-5/16" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	977.73	32.42
			<i>For Tempered Low-E Insulated Glass, Add</i>	182.58	
08 52 13 00-0596	EA		67-5/16" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	1,035.90	34.18
			<i>For Tempered Low-E Insulated Glass, Add</i>	193.58	
08 52 13 00-0597			<b>76-7/8" Height, Picture Metal Clad Windows For Double Hung Windows</b> <small>(08 52)</small>		
			<small>13 00-0540</small>		
08 52 13 00-0598	EA		12" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	661.45	23.97
			<i>For Tempered Low-E Insulated Glass, Add</i>	122.70	
08 52 13 00-0599	EA		37-5/8" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	848.48	29.07
			<i>For Tempered Low-E Insulated Glass, Add</i>	158.14	
08 52 13 00-0600	EA		41-5/8" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	876.89	29.67
			<i>For Tempered Low-E Insulated Glass, Add</i>	163.51	
08 52 13 00-0601	EA		47-5/16" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	919.53	30.85
			<i>For Tempered Low-E Insulated Glass, Add</i>	171.57	
08 52 13 00-0602	EA		51-5/16" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad') .....	947.96	31.83
			<i>For Tempered Low-E Insulated Glass, Add</i>	176.94	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0603	EA		59-5/16" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,006.15 187.95	33.21
08 52 13 00-0604	EA		67-5/16" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,064.33 198.96	34.97
08 52 13 00-0605			Picture Metal Clad Windows For Horizontal Sliding Windows (08 52 13 00-0477)		
08 52 13 00-0606			Picture Metal Clad Windows For Horizontal Sliding Windows (08 52 13 00-0605) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 13 00-0607			35-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows (08 52 13 00-0606)		
08 52 13 00-0608	EA		56-1/2" x 35-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	391.44 68.46 68.46	24.56
08 52 13 00-0609	EA		59-1/2" x 35-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	402.03 70.35 70.35	25.15
08 52 13 00-0610			47-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows (08 52 13 00-0606)		
08 52 13 00-0611	EA		47-1/2" x 47-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	402.03 70.35 70.35	25.15
08 52 13 00-0612	EA		71-1/2" x 47-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	489.32 85.92 85.92	29.86
08 52 13 00-0613			53-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows (08 52 13 00-0606)		
08 52 13 00-0614	EA		56-1/2" x 53-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	457.60 80.28 80.28	28.10
08 52 13 00-0615	EA		59-1/2" x 53-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	468.17 82.16 82.16	28.69
08 52 13 00-0616			56-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows (08 52 13 00-0606)		
08 52 13 00-0617	EA		35-1/2" x 56-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	391.44 68.46 68.46	24.76
08 52 13 00-0618	EA		53-1/2" x 56-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	457.60 80.28 80.28	28.10
08 52 13 00-0619			59-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows (08 52 13 00-0606)		
08 52 13 00-0620	EA		35-1/2" x 59-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	402.03 70.35 70.35	25.15
08 52 13 00-0621	EA		53-1/2" x 59-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	468.17 82.16 82.16	28.69
08 52 13 00-0622	EA		59-1/2" x 59-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	489.32 85.92 85.92	29.86
08 52 13 00-0623	EA		65-1/2" x 59-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	511.82 89.95 89.95	31.04
08 52 13 00-0624			65-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows (08 52 13 00-0606)		
08 52 13 00-0625	EA		59-1/2" x 65-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	511.82 89.95 89.95	31.04
08 52 13 00-0626			71-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows (08 52 13 00-0606)		
08 52 13 00-0627	EA		47-1/2" x 71-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')..... <i>For Tempered Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	489.32 85.92 85.92	29.86



**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
08 52 13 00-0628	<b>Basement Metal Clad Windows</b> (08 52 13)		
08 52 13 00-0629	<b>Basement Metal Clad Windows</b> (08 52 13 00-0628)		
	Note: Includes painted or stained wood interior, metal clad exterior, standard hardware, Low-E insulated glass and insect screens. Excludes grilles.		
08 52 13 00-0630	EA 32-1/4" x 15-3/4", Basement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	200.97	15.72
	For Tempered Low-E Insulated Glass, Add	33.97	
08 52 13 00-0631	EA 32-1/4" x 19-3/4", Basement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	213.71	15.72
	For Tempered Low-E Insulated Glass, Add	36.45	
08 52 13 00-0632	EA 32-1/4" x 23-3/4", Basement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad').....	224.91	15.72
	For Tempered Low-E Insulated Glass, Add	38.69	
08 52 13 00-0633	<b>Accessories For Metal Clad Windows</b> (08 52 13)		
08 52 13 00-0634	<b>Insect Screens For Metal Clad Windows</b> (08 52 13 00-0633)		
08 52 13 00-0635	EA Up To 6 SF, Insect Screen For Metal Clad Wood Windows .....	35.52	3.89
08 52 13 00-0636	EA >6 To 9 SF, Insect Screen For Metal Clad Wood Windows .....	43.44	3.89
08 52 13 00-0637	EA >9 To 12 SF, Insect Screen For Metal Clad Wood Windows .....	47.41	3.89
08 52 13 00-0638	EA >12 To 15 SF, Insect Screen For Metal Clad Wood Windows .....	55.34	3.89
08 52 13 00-0639	EA >15 To 20 SF, Insect Screen For Metal Clad Wood Windows .....	71.19	3.89
08 52 13 00-0640	EA >20 To 25 SF, Insect Screen For Metal Clad Wood Windows .....	79.11	3.89
08 52 13 00-0641	EA >25 To 30 SF, Insect Screen For Metal Clad Wood Windows .....	87.02	3.89
08 52 13 00-0642	EA >30 To 35 SF, Insect Screen For Metal Clad Wood Windows .....	94.95	3.89
08 52 13 00-0643	SF >35 SF, Insect Screen For Metal Clad Wood Windows .....	2.91	0.08
08 52 13 00-0644	<b>Factory Installed Grilles For Metal Clad Windows</b> (08 52 13 00-0633)		
08 52 13 00-0645	<b>Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Windows</b> (08 52 13 00-0644)		
08 52 13 00-0646	EA Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows .....	31.55	
08 52 13 00-0647	EA >9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows .....	67.63	
08 52 13 00-0648	EA >18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows .....	91.78	
08 52 13 00-0649	EA >24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows .....	115.93	
08 52 13 00-0650	EA >36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows .....	164.23	
08 52 13 00-0651	<b>Fixed Exterior And Removable Interior Grilles, Factory Installed Grilles For Metal Clad Windows</b> (08 52 13 00-0644)		
08 52 13 00-0652	EA Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows .....	31.55	
08 52 13 00-0653	EA >9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows .....	67.63	
08 52 13 00-0654	EA >18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows .....	91.78	
08 52 13 00-0655	EA >24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows .....	115.93	
08 52 13 00-0656	EA >36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows .....	164.23	
08 52 13 00-0657	<b>Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Windows</b> (08 52 13 00-0644)		
08 52 13 00-0658	EA Up To 9 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Wood Windows .....	55.07	
08 52 13 00-0659	EA >9 To 18 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Wood Windows .....	81.15	
08 52 13 00-0660	EA >18 To 24 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Wood Windows .....	110.13	
08 52 13 00-0661	EA >24 To 36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Wood Windows .....	139.12	
08 52 13 00-0662	EA >36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Wood Windows .....	197.08	
08 52 13 00-0663	<b>Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Windows</b> (08 52 13 00-0644)		
08 52 13 00-0664	EA Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Wood Windows .....	66.09	
08 52 13 00-0665	EA >9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Wood Windows .....	97.38	
08 52 13 00-0666	EA >18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Wood Windows .....	132.16	
08 52 13 00-0667	EA >24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Wood Windows .....	166.94	
08 52 13 00-0668	EA >36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Wood Windows .....	236.49	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 52 16 Plastic-Clad Wood Windows (08 52)</b>		
08 52 16 00-0001 Single Hung Wood Clad Windows (08 52 16)		
08 52 16 00-0002 Single Hung Wood Clad Windows (08 52 16 00-0001) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0003 35-1/2" Height, Single Hung Wood Clad Windows (08 52 16 00-0002)		
08 52 16 00-0004 EA 23-1/2" x 35-1/2" Single Hung Wood Clad Window ..... 223.89 18.07 For Tempered Low-E Insulated Glass, Add 37.55 For Low-E Insulated Glass, Add 22.53 For Tempered Clear Insulated Glass, Add 37.55		
08 52 16 00-0005 EA 27-1/2" x 35-1/2" Single Hung Wood Clad Window ..... 237.64 18.87 For Tempered Low-E Insulated Glass, Add 39.98 For Low-E Insulated Glass, Add 23.99 For Tempered Clear Insulated Glass, Add 39.98		
08 52 16 00-0006 EA 31-1/2" x 35-1/2" Single Hung Wood Clad Window ..... 250.37 19.65 For Tempered Low-E Insulated Glass, Add 42.22 For Low-E Insulated Glass, Add 25.33 For Tempered Clear Insulated Glass, Add 42.22		
08 52 16 00-0007 EA 35-1/2" x 35-1/2" Single Hung Wood Clad Window ..... 263.10 20.44 For Tempered Low-E Insulated Glass, Add 44.45 For Low-E Insulated Glass, Add 26.67 For Tempered Clear Insulated Glass, Add 44.45		
08 52 16 00-0008 41-1/2" Height, Single Hung Wood Clad Windows (08 52 16 00-0002)		
08 52 16 00-0009 EA 23-1/2" x 41-1/2" Single Hung Wood Clad Window ..... 243.50 19.25 For Tempered Low-E Insulated Glass, Add 41.00 For Low-E Insulated Glass, Add 24.60 For Tempered Clear Insulated Glass, Add 41.00		
08 52 16 00-0010 EA 27-1/2" x 41-1/2" Single Hung Wood Clad Window ..... 257.25 20.04 For Tempered Low-E Insulated Glass, Add 43.43 For Low-E Insulated Glass, Add 26.06 For Tempered Clear Insulated Glass, Add 43.43		
08 52 16 00-0011 EA 31-1/2" x 41-1/2" Single Hung Wood Clad Window ..... 269.98 20.82 For Tempered Low-E Insulated Glass, Add 45.67 For Low-E Insulated Glass, Add 27.40 For Tempered Clear Insulated Glass, Add 45.67		
08 52 16 00-0012 EA 35-1/2" x 41-1/2" Single Hung Wood Clad Window ..... 282.73 21.61 For Tempered Low-E Insulated Glass, Add 47.90 For Low-E Insulated Glass, Add 28.74 For Tempered Clear Insulated Glass, Add 47.90		
08 52 16 00-0013 47-1/2" Height, Single Hung Wood Clad Windows (08 52 16 00-0002)		
08 52 16 00-0014 EA 23-1/2" x 47-1/2" Single Hung Wood Clad Window ..... 263.10 20.44 For Tempered Low-E Insulated Glass, Add 44.45 For Low-E Insulated Glass, Add 26.67 For Tempered Clear Insulated Glass, Add 44.45		
08 52 16 00-0015 EA 27-1/2" x 47-1/2" Single Hung Wood Clad Window ..... 275.84 21.22 For Tempered Low-E Insulated Glass, Add 46.68 For Low-E Insulated Glass, Add 28.01 For Tempered Clear Insulated Glass, Add 46.68		
08 52 16 00-0016 EA 31-1/2" x 47-1/2" Single Hung Wood Clad Window ..... 289.61 22.01 For Tempered Low-E Insulated Glass, Add 49.12 For Low-E Insulated Glass, Add 29.47 For Tempered Clear Insulated Glass, Add 49.12		
08 52 16 00-0017 EA 35-1/2" x 47-1/2" Single Hung Wood Clad Window ..... 302.34 22.79 For Tempered Low-E Insulated Glass, Add 51.35 For Low-E Insulated Glass, Add 30.81 For Tempered Clear Insulated Glass, Add 51.35		
08 52 16 00-0018 53-1/2" Height, Single Hung Wood Clad Windows (08 52 16 00-0002)		
08 52 16 00-0019 EA 23-1/2" x 53-1/2" Single Hung Wood Clad Window ..... 282.73 21.61 For Tempered Low-E Insulated Glass, Add 47.90 For Low-E Insulated Glass, Add 28.74 For Tempered Clear Insulated Glass, Add 47.90		
08 52 16 00-0020 EA 27-1/2" x 53-1/2" Single Hung Wood Clad Window ..... 295.46 22.40 For Tempered Low-E Insulated Glass, Add 50.13 For Low-E Insulated Glass, Add 30.08 For Tempered Clear Insulated Glass, Add 50.13		
08 52 16 00-0021 EA 31-1/2" x 53-1/2" Single Hung Wood Clad Window ..... 308.19 23.18 For Tempered Low-E Insulated Glass, Add 52.36 For Low-E Insulated Glass, Add 31.42 For Tempered Clear Insulated Glass, Add 52.36		
08 52 16 00-0022 EA 35-1/2" x 53-1/2" Single Hung Wood Clad Window ..... 321.94 23.97 For Tempered Low-E Insulated Glass, Add 54.80 For Low-E Insulated Glass, Add 32.88 For Tempered Clear Insulated Glass, Add 54.80		
08 52 16 00-0023 56-1/2" Height, Single Hung Wood Clad Windows (08 52 16 00-0002)		

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0024	EA		19-1/2" x 56-1/2" Single Hung Wood Clad Window .....	279.28	21.61
			<i>For Tempered Low-E Insulated Glass, Add</i>	47.29	
			<i>For Low-E Insulated Glass, Add</i>	28.37	
			<i>For Tempered Clear Insulated Glass, Add</i>	47.29	
08 52 16 00-0025	EA		23-1/2" x 56-1/2" Single Hung Wood Clad Window .....	292.01	22.20
			<i>For Tempered Low-E Insulated Glass, Add</i>	49.52	
			<i>For Low-E Insulated Glass, Add</i>	29.71	
			<i>For Tempered Clear Insulated Glass, Add</i>	49.52	
08 52 16 00-0026	EA		27-1/2" x 56-1/2" Single Hung Wood Clad Window .....	305.76	23.18
			<i>For Tempered Low-E Insulated Glass, Add</i>	51.96	
			<i>For Low-E Insulated Glass, Add</i>	31.17	
			<i>For Tempered Clear Insulated Glass, Add</i>	51.96	
08 52 16 00-0027	EA		31-1/2" x 56-1/2" Single Hung Wood Clad Window .....	318.50	23.97
			<i>For Tempered Low-E Insulated Glass, Add</i>	54.19	
			<i>For Low-E Insulated Glass, Add</i>	32.52	
			<i>For Tempered Clear Insulated Glass, Add</i>	54.19	
08 52 16 00-0028	EA		35-1/2" x 56-1/2" Single Hung Wood Clad Window .....	331.24	24.76
			<i>For Tempered Low-E Insulated Glass, Add</i>	56.42	
			<i>For Low-E Insulated Glass, Add</i>	33.85	
			<i>For Tempered Clear Insulated Glass, Add</i>	56.42	
08 52 16 00-0029	EA		39-1/2" x 56-1/2" Single Hung Wood Clad Window .....	343.97	25.55
			<i>For Tempered Low-E Insulated Glass, Add</i>	58.66	
			<i>For Low-E Insulated Glass, Add</i>	35.19	
			<i>For Tempered Clear Insulated Glass, Add</i>	58.66	
<b>08 52 16 00-0030</b>			<b>59-1/2" Height, Single Hung Wood Clad Windows (08 52 16 00-0002)</b>		
08 52 16 00-0031	EA		19-1/2" x 59-1/2" Single Hung Wood Clad Window .....	289.61	22.01
			<i>For Tempered Low-E Insulated Glass, Add</i>	49.12	
			<i>For Low-E Insulated Glass, Add</i>	29.47	
			<i>For Tempered Clear Insulated Glass, Add</i>	49.12	
08 52 16 00-0032	EA		23-1/2" x 59-1/2" Single Hung Wood Clad Window .....	302.34	22.79
			<i>For Tempered Low-E Insulated Glass, Add</i>	51.35	
			<i>For Low-E Insulated Glass, Add</i>	30.81	
			<i>For Tempered Clear Insulated Glass, Add</i>	51.35	
08 52 16 00-0033	EA		27-1/2" x 59-1/2" Single Hung Wood Clad Window .....	315.07	23.58
			<i>For Tempered Low-E Insulated Glass, Add</i>	53.58	
			<i>For Low-E Insulated Glass, Add</i>	32.15	
			<i>For Tempered Clear Insulated Glass, Add</i>	53.58	
08 52 16 00-0034	EA		31-1/2" x 59-1/2" Single Hung Wood Clad Window .....	327.80	24.36
			<i>For Tempered Low-E Insulated Glass, Add</i>	55.81	
			<i>For Low-E Insulated Glass, Add</i>	33.49	
			<i>For Tempered Clear Insulated Glass, Add</i>	55.81	
08 52 16 00-0035	EA		35-1/2" x 59-1/2" Single Hung Wood Clad Window .....	340.54	25.15
			<i>For Tempered Low-E Insulated Glass, Add</i>	58.05	
			<i>For Low-E Insulated Glass, Add</i>	34.83	
			<i>For Tempered Clear Insulated Glass, Add</i>	58.05	
08 52 16 00-0036	EA		39-1/2" x 59-1/2" Single Hung Wood Clad Window .....	354.28	25.93
			<i>For Tempered Low-E Insulated Glass, Add</i>	60.48	
			<i>For Low-E Insulated Glass, Add</i>	36.29	
			<i>For Tempered Clear Insulated Glass, Add</i>	60.48	
<b>08 52 16 00-0037</b>			<b>65-1/2" Height, Single Hung Wood Clad Windows (08 52 16 00-0002)</b>		
08 52 16 00-0038	EA		23-1/2" x 65-1/2" Single Hung Wood Clad Window .....	321.94	23.97
			<i>For Tempered Low-E Insulated Glass, Add</i>	54.80	
			<i>For Low-E Insulated Glass, Add</i>	32.88	
			<i>For Tempered Clear Insulated Glass, Add</i>	54.80	
08 52 16 00-0039	EA		27-1/2" x 65-1/2" Single Hung Wood Clad Window .....	334.67	24.76
			<i>For Tempered Low-E Insulated Glass, Add</i>	57.03	
			<i>For Low-E Insulated Glass, Add</i>	34.22	
			<i>For Tempered Clear Insulated Glass, Add</i>	57.03	
08 52 16 00-0040	EA		31-1/2" x 65-1/2" Single Hung Wood Clad Window .....	347.41	25.55
			<i>For Tempered Low-E Insulated Glass, Add</i>	59.27	
			<i>For Low-E Insulated Glass, Add</i>	35.56	
			<i>For Tempered Clear Insulated Glass, Add</i>	59.27	
08 52 16 00-0041	EA		35-1/2" x 65-1/2" Single Hung Wood Clad Window .....	360.14	26.33
			<i>For Tempered Low-E Insulated Glass, Add</i>	61.50	
			<i>For Low-E Insulated Glass, Add</i>	36.90	
			<i>For Tempered Clear Insulated Glass, Add</i>	61.50	
<b>08 52 16 00-0042</b>			<b>71-1/2" Height, Single Hung Wood Clad Windows (08 52 16 00-0002)</b>		
08 52 16 00-0043	EA		23-1/2" x 71-1/2" Single Hung Wood Clad Window .....	340.54	25.15
			<i>For Tempered Low-E Insulated Glass, Add</i>	58.05	
			<i>For Low-E Insulated Glass, Add</i>	34.83	
			<i>For Tempered Clear Insulated Glass, Add</i>	58.05	
08 52 16 00-0044	EA		27-1/2" x 71-1/2" Single Hung Wood Clad Window .....	354.28	25.93
			<i>For Tempered Low-E Insulated Glass, Add</i>	60.48	
			<i>For Low-E Insulated Glass, Add</i>	36.29	
			<i>For Tempered Clear Insulated Glass, Add</i>	60.48	
08 52 16 00-0045	EA		31-1/2" x 71-1/2" Single Hung Wood Clad Window .....	367.02	26.72
			<i>For Tempered Low-E Insulated Glass, Add</i>	62.72	
			<i>For Low-E Insulated Glass, Add</i>	37.63	
			<i>For Tempered Clear Insulated Glass, Add</i>	62.72	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0046	EA		35-1/2" x 71-1/2" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	379.76 64.95 38.97 64.95	27.50
<b>08 52 16 00-0047</b>			<b>Single Hung Wood Clad Windows</b> (08 52 16 00-0001) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-0048</b>			<b>36-7/8" Height, Single Hung Wood Clad Windows</b> (08 52 16 00-0047)		
08 52 16 00-0049	EA		21-5/8" x 36-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	284.38 49.73	18.07
08 52 16 00-0050	EA		25-5/8" x 36-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	302.21 52.97	18.66
08 52 16 00-0051	EA		29-5/8" x 36-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	321.03 56.42	19.45
08 52 16 00-0052	EA		31-5/8" x 36-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	330.94 58.25	20.04
08 52 16 00-0053	EA		33-5/8" x 36-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	339.85 59.87	20.44
08 52 16 00-0054	EA		35-5/8" x 36-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	348.75 61.50	20.82
08 52 16 00-0055	EA		37-5/8" x 36-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	358.67 63.32	21.02
08 52 16 00-0056	EA		41-5/8" x 36-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	376.48 66.57	21.81
08 52 16 00-0057	EA		45-5/8" x 36-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	395.30 70.02	22.60
<b>08 52 16 00-0058</b>			<b>40-7/8" Height, Single Hung Wood Clad Windows</b> (08 52 16 00-0047)		
08 52 16 00-0059	EA		21-5/8" x 40-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	302.21 52.97	18.87
08 52 16 00-0060	EA		25-5/8" x 40-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	321.03 56.42	19.45
08 52 16 00-0061	EA		29-5/8" x 40-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	339.85 59.87	20.23
08 52 16 00-0062	EA		31-5/8" x 40-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	348.75 61.50	20.82
08 52 16 00-0063	EA		33-5/8" x 40-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	358.67 63.32	21.22
08 52 16 00-0064	EA		35-5/8" x 40-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	367.57 64.95	21.61
08 52 16 00-0065	EA		37-5/8" x 40-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	376.48 66.57	21.81
08 52 16 00-0066	EA		41-5/8" x 40-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	395.30 70.02	22.60
08 52 16 00-0067	EA		45-5/8" x 40-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	414.12 73.47	23.38
<b>08 52 16 00-0068</b>			<b>44-7/8" Height, Single Hung Wood Clad Windows</b> (08 52 16 00-0047)		
08 52 16 00-0069	EA		21-5/8" x 44-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	321.03 56.42	19.65
08 52 16 00-0070	EA		25-5/8" x 44-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	339.85 59.87	20.23
08 52 16 00-0071	EA		29-5/8" x 44-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	358.67 63.32	21.02
08 52 16 00-0072	EA		31-5/8" x 44-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	367.57 64.95	21.61
08 52 16 00-0073	EA		33-5/8" x 44-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	376.48 66.57	22.01
08 52 16 00-0074	EA		35-5/8" x 44-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	386.39 68.40	22.40
08 52 16 00-0075	EA		37-5/8" x 44-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	395.30 70.02	22.60
08 52 16 00-0076	EA		41-5/8" x 44-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	414.12 73.47	23.38
08 52 16 00-0077	EA		45-5/8" x 44-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	432.94 76.92	24.17
<b>08 52 16 00-0078</b>			<b>48-7/8" Height, Single Hung Wood Clad Windows</b> (08 52 16 00-0047)		
08 52 16 00-0079	EA		21-5/8" x 48-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	339.85 59.87	20.44
08 52 16 00-0080	EA		25-5/8" x 48-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	358.67 63.32	21.02
08 52 16 00-0081	EA		29-5/8" x 48-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	376.48 66.57	21.81
08 52 16 00-0082	EA		31-5/8" x 48-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	386.39 68.40	22.40
08 52 16 00-0083	EA		33-5/8" x 48-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	395.30 70.02	22.79

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 52 16 00-0084	EA	35-5/8" x 48-7/8" Single Hung Wood Clad Window	.....	404.20	23.18
		<i>For Tempered Low-E Insulated Glass, Add</i>		71.65	
08 52 16 00-0085	EA	37-5/8" x 48-7/8" Single Hung Wood Clad Window	.....	414.12	23.38
		<i>For Tempered Low-E Insulated Glass, Add</i>		73.47	
08 52 16 00-0086	EA	41-5/8" x 48-7/8" Single Hung Wood Clad Window	.....	432.94	24.17
		<i>For Tempered Low-E Insulated Glass, Add</i>		76.92	
08 52 16 00-0087	EA	45-5/8" x 48-7/8" Single Hung Wood Clad Window	.....	450.76	24.95
		<i>For Tempered Low-E Insulated Glass, Add</i>		80.17	
<b>08 52 16 00-0088</b>		<b>52-7/8" Height, Single Hung Wood Clad Windows</b> (08 52 16 00-0047)			
08 52 16 00-0089	EA	21-5/8" x 52-7/8" Single Hung Wood Clad Window	.....	358.67	21.22
		<i>For Tempered Low-E Insulated Glass, Add</i>		63.32	
08 52 16 00-0090	EA	25-5/8" x 52-7/8" Single Hung Wood Clad Window	.....	376.48	21.81
		<i>For Tempered Low-E Insulated Glass, Add</i>		66.57	
08 52 16 00-0091	EA	29-5/8" x 52-7/8" Single Hung Wood Clad Window	.....	395.30	22.60
		<i>For Tempered Low-E Insulated Glass, Add</i>		70.02	
08 52 16 00-0092	EA	31-5/8" x 52-7/8" Single Hung Wood Clad Window	.....	404.20	23.18
		<i>For Tempered Low-E Insulated Glass, Add</i>		71.65	
08 52 16 00-0093	EA	33-5/8" x 52-7/8" Single Hung Wood Clad Window	.....	414.12	23.58
		<i>For Tempered Low-E Insulated Glass, Add</i>		73.47	
08 52 16 00-0094	EA	35-5/8" x 52-7/8" Single Hung Wood Clad Window	.....	423.02	23.97
		<i>For Tempered Low-E Insulated Glass, Add</i>		75.10	
08 52 16 00-0095	EA	37-5/8" x 52-7/8" Single Hung Wood Clad Window	.....	432.94	24.17
		<i>For Tempered Low-E Insulated Glass, Add</i>		76.92	
08 52 16 00-0096	EA	41-5/8" x 52-7/8" Single Hung Wood Clad Window	.....	450.76	24.95
		<i>For Tempered Low-E Insulated Glass, Add</i>		80.17	
08 52 16 00-0097	EA	45-5/8" x 52-7/8" Single Hung Wood Clad Window	.....	469.58	25.74
		<i>For Tempered Low-E Insulated Glass, Add</i>		83.62	
<b>08 52 16 00-0098</b>		<b>56-7/8" Height, Single Hung Wood Clad Windows</b> (08 52 16 00-0047)			
08 52 16 00-0099	EA	21-5/8" x 56-7/8" Single Hung Wood Clad Window	.....	376.48	22.01
		<i>For Tempered Low-E Insulated Glass, Add</i>		66.57	
08 52 16 00-0100	EA	25-5/8" x 56-7/8" Single Hung Wood Clad Window	.....	395.30	22.60
		<i>For Tempered Low-E Insulated Glass, Add</i>		70.02	
08 52 16 00-0101	EA	29-5/8" x 56-7/8" Single Hung Wood Clad Window	.....	414.12	23.38
		<i>For Tempered Low-E Insulated Glass, Add</i>		73.47	
08 52 16 00-0102	EA	31-5/8" x 56-7/8" Single Hung Wood Clad Window	.....	423.02	23.97
		<i>For Tempered Low-E Insulated Glass, Add</i>		75.10	
08 52 16 00-0103	EA	33-5/8" x 56-7/8" Single Hung Wood Clad Window	.....	432.94	24.36
		<i>For Tempered Low-E Insulated Glass, Add</i>		76.92	
08 52 16 00-0104	EA	35-5/8" x 56-7/8" Single Hung Wood Clad Window	.....	441.85	24.76
		<i>For Tempered Low-E Insulated Glass, Add</i>		78.55	
08 52 16 00-0105	EA	37-5/8" x 56-7/8" Single Hung Wood Clad Window	.....	450.76	24.95
		<i>For Tempered Low-E Insulated Glass, Add</i>		80.17	
08 52 16 00-0106	EA	41-5/8" x 56-7/8" Single Hung Wood Clad Window	.....	469.58	25.74
		<i>For Tempered Low-E Insulated Glass, Add</i>		83.62	
08 52 16 00-0107	EA	45-5/8" x 56-7/8" Single Hung Wood Clad Window	.....	488.41	26.53
		<i>For Tempered Low-E Insulated Glass, Add</i>		87.07	
<b>08 52 16 00-0108</b>		<b>60-7/8" Height, Single Hung Wood Clad Windows</b> (08 52 16 00-0047)			
08 52 16 00-0109	EA	21-5/8" x 60-7/8" Single Hung Wood Clad Window	.....	395.30	22.79
		<i>For Tempered Low-E Insulated Glass, Add</i>		70.02	
08 52 16 00-0110	EA	25-5/8" x 60-7/8" Single Hung Wood Clad Window	.....	414.12	23.38
		<i>For Tempered Low-E Insulated Glass, Add</i>		73.47	
08 52 16 00-0111	EA	29-5/8" x 60-7/8" Single Hung Wood Clad Window	.....	432.94	24.17
		<i>For Tempered Low-E Insulated Glass, Add</i>		76.92	
08 52 16 00-0112	EA	31-5/8" x 60-7/8" Single Hung Wood Clad Window	.....	441.85	24.76
		<i>For Tempered Low-E Insulated Glass, Add</i>		78.55	
08 52 16 00-0113	EA	33-5/8" x 60-7/8" Single Hung Wood Clad Window	.....	450.76	25.15
		<i>For Tempered Low-E Insulated Glass, Add</i>		80.17	
08 52 16 00-0114	EA	35-5/8" x 60-7/8" Single Hung Wood Clad Window	.....	460.68	25.55
		<i>For Tempered Low-E Insulated Glass, Add</i>		82.00	
08 52 16 00-0115	EA	37-5/8" x 60-7/8" Single Hung Wood Clad Window	.....	469.58	25.74
		<i>For Tempered Low-E Insulated Glass, Add</i>		83.62	
08 52 16 00-0116	EA	41-5/8" x 60-7/8" Single Hung Wood Clad Window	.....	488.41	26.53
		<i>For Tempered Low-E Insulated Glass, Add</i>		87.07	
08 52 16 00-0117	EA	45-5/8" x 60-7/8" Single Hung Wood Clad Window	.....	506.21	27.31
		<i>For Tempered Low-E Insulated Glass, Add</i>		90.32	
<b>08 52 16 00-0118</b>		<b>64-7/8" Height, Single Hung Wood Clad Windows</b> (08 52 16 00-0047)			
08 52 16 00-0119	EA	21-5/8" x 64-7/8" Single Hung Wood Clad Window	.....	414.12	23.58
		<i>For Tempered Low-E Insulated Glass, Add</i>		73.47	
08 52 16 00-0120	EA	25-5/8" x 64-7/8" Single Hung Wood Clad Window	.....	432.94	24.17
		<i>For Tempered Low-E Insulated Glass, Add</i>		76.92	
08 52 16 00-0121	EA	29-5/8" x 64-7/8" Single Hung Wood Clad Window	.....	450.76	24.95
		<i>For Tempered Low-E Insulated Glass, Add</i>		80.17	
08 52 16 00-0122	EA	31-5/8" x 64-7/8" Single Hung Wood Clad Window	.....	460.68	25.55
		<i>For Tempered Low-E Insulated Glass, Add</i>		82.00	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0123	EA		33-5/8" x 64-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	469.58 83.62	25.93
08 52 16 00-0124	EA		35-5/8" x 64-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	478.49 85.24	26.33
08 52 16 00-0125	EA		37-5/8" x 64-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	488.41 87.07	26.53
08 52 16 00-0126	EA		41-5/8" x 64-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	506.21 90.32	27.31
08 52 16 00-0127	EA		45-5/8" x 64-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	525.03 93.77	28.10
<b>08 52 16 00-0128</b>			<b>68-7/8" Height, Single Hung Wood Clad Windows</b> (08 52 16 00-0047)		
08 52 16 00-0129	EA		21-5/8" x 68-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	432.94 76.92	24.36
08 52 16 00-0130	EA		25-5/8" x 68-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	450.76 80.17	24.95
08 52 16 00-0131	EA		29-5/8" x 68-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	469.58 83.62	25.74
08 52 16 00-0132	EA		31-5/8" x 68-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	478.49 85.24	26.33
08 52 16 00-0133	EA		33-5/8" x 68-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	488.41 87.07	26.72
08 52 16 00-0134	EA		35-5/8" x 68-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	497.31 88.69	27.12
08 52 16 00-0135	EA		37-5/8" x 68-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	506.21 90.32	27.31
08 52 16 00-0136	EA		41-5/8" x 68-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	525.03 93.77	28.10
08 52 16 00-0137	EA		45-5/8" x 68-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	543.86 97.22	28.88
<b>08 52 16 00-0138</b>			<b>72-7/8" Height, Single Hung Wood Clad Windows</b> (08 52 16 00-0047)		
08 52 16 00-0139	EA		21-5/8" x 72-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	450.76 80.17	25.15
08 52 16 00-0140	EA		25-5/8" x 72-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	469.58 83.62	25.74
08 52 16 00-0141	EA		29-5/8" x 72-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	488.41 87.07	26.53
08 52 16 00-0142	EA		31-5/8" x 72-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	497.31 88.69	27.12
08 52 16 00-0143	EA		33-5/8" x 72-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	506.21 90.32	27.50
08 52 16 00-0144	EA		35-5/8" x 72-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	516.14 92.15	27.90
08 52 16 00-0145	EA		37-5/8" x 72-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	525.03 93.77	28.10
08 52 16 00-0146	EA		41-5/8" x 72-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	543.86 97.22	28.88
08 52 16 00-0147	EA		45-5/8" x 72-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	562.68 100.67	29.67
<b>08 52 16 00-0148</b>			<b>76-7/8" Height, Single Hung Wood Clad Windows</b> (08 52 16 00-0047)		
08 52 16 00-0149	EA		21-5/8" x 76-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	469.58 83.62	25.93
08 52 16 00-0150	EA		25-5/8" x 76-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	488.41 87.07	26.53
08 52 16 00-0151	EA		29-5/8" x 76-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	506.21 90.32	27.31
08 52 16 00-0152	EA		31-5/8" x 76-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	516.14 92.15	27.90
08 52 16 00-0153	EA		33-5/8" x 76-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	525.03 93.77	28.29
08 52 16 00-0154	EA		35-5/8" x 76-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	534.96 95.60	28.69
08 52 16 00-0155	EA		37-5/8" x 76-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	543.86 97.22	28.88
08 52 16 00-0156	EA		41-5/8" x 76-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	562.68 100.67	29.67
08 52 16 00-0157	EA		45-5/8" x 76-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	580.50 103.92	30.45
<b>08 52 16 00-0158</b>			<b>84-7/8" Height, Single Hung Wood Clad Windows</b> (08 52 16 00-0047)		
08 52 16 00-0159	EA		21-5/8" x 84-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	747.73 138.62	27.50
08 52 16 00-0160	EA		25-5/8" x 84-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	774.67 143.70	28.10
08 52 16 00-0161	EA		29-5/8" x 84-7/8" Single Hung Wood Clad Window ..... <i>For Tempered Low-E Insulated Glass, Add</i>	801.61 148.77	28.88

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 52 16 00-0162	EA	31-5/8" x 84-7/8" Single Hung Wood Clad Window	814.58	29.47
		<i>For Tempered Low-E Insulated Glass, Add</i>	151.21	
08 52 16 00-0163	EA	33-5/8" x 84-7/8" Single Hung Wood Clad Window	828.55	29.86
		<i>For Tempered Low-E Insulated Glass, Add</i>	153.84	
08 52 16 00-0164	EA	35-5/8" x 84-7/8" Single Hung Wood Clad Window	841.52	30.26
		<i>For Tempered Low-E Insulated Glass, Add</i>	156.28	
08 52 16 00-0165	EA	37-5/8" x 84-7/8" Single Hung Wood Clad Window	854.48	30.45
		<i>For Tempered Low-E Insulated Glass, Add</i>	158.71	
08 52 16 00-0166	EA	41-5/8" x 84-7/8" Single Hung Wood Clad Window	881.42	31.24
		<i>For Tempered Low-E Insulated Glass, Add</i>	163.79	
08 52 16 00-0167	EA	45-5/8" x 84-7/8" Single Hung Wood Clad Window	908.36	32.02
		<i>For Tempered Low-E Insulated Glass, Add</i>	168.86	
<b>08 52 16 00-0168</b>		<b>88-7/8" Height, Single Hung Wood Clad Windows</b> (08 52 16 00-0047)		
08 52 16 00-0169	EA	21-5/8" x 88-7/8" Single Hung Wood Clad Window	774.67	28.29
		<i>For Tempered Low-E Insulated Glass, Add</i>	143.70	
08 52 16 00-0170	EA	25-5/8" x 88-7/8" Single Hung Wood Clad Window	801.61	28.88
		<i>For Tempered Low-E Insulated Glass, Add</i>	148.77	
08 52 16 00-0171	EA	29-5/8" x 88-7/8" Single Hung Wood Clad Window	828.55	29.67
		<i>For Tempered Low-E Insulated Glass, Add</i>	153.84	
08 52 16 00-0172	EA	31-5/8" x 88-7/8" Single Hung Wood Clad Window	841.52	30.26
		<i>For Tempered Low-E Insulated Glass, Add</i>	156.28	
08 52 16 00-0173	EA	33-5/8" x 88-7/8" Single Hung Wood Clad Window	854.48	30.66
		<i>For Tempered Low-E Insulated Glass, Add</i>	158.71	
08 52 16 00-0174	EA	35-5/8" x 88-7/8" Single Hung Wood Clad Window	868.47	31.04
		<i>For Tempered Low-E Insulated Glass, Add</i>	161.35	
08 52 16 00-0175	EA	37-5/8" x 88-7/8" Single Hung Wood Clad Window	881.42	31.24
		<i>For Tempered Low-E Insulated Glass, Add</i>	163.79	
08 52 16 00-0176	EA	41-5/8" x 88-7/8" Single Hung Wood Clad Window	908.36	32.02
		<i>For Tempered Low-E Insulated Glass, Add</i>	168.86	
08 52 16 00-0177	EA	45-5/8" x 88-7/8" Single Hung Wood Clad Window	935.30	32.81
		<i>For Tempered Low-E Insulated Glass, Add</i>	173.94	
<b>08 52 16 00-0178</b>		<b>Double Hung Wood Clad Windows</b> (08 52 16)		
<b>08 52 16 00-0179</b>		<b>Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> (08 52 16 00-0178)		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-0180</b>		<b>35-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> (08 52 16 00-0179)		
08 52 16 00-0181	EA	23-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	257.02	18.07
		<i>For Low-E Insulated Glass, Add</i>	26.50	
		<i>For Tempered Clear Insulated Glass, Add</i>	44.17	
08 52 16 00-0182	EA	27-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	272.92	18.87
		<i>For Low-E Insulated Glass, Add</i>	28.22	
		<i>For Tempered Clear Insulated Glass, Add</i>	47.04	
08 52 16 00-0183	EA	31-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	287.62	19.65
		<i>For Low-E Insulated Glass, Add</i>	29.80	
		<i>For Tempered Clear Insulated Glass, Add</i>	49.67	
08 52 16 00-0184	EA	35-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	302.32	20.44
		<i>For Low-E Insulated Glass, Add</i>	31.38	
		<i>For Tempered Clear Insulated Glass, Add</i>	52.29	
<b>08 52 16 00-0185</b>		<b>41-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> (08 52 16 00-0179)		
08 52 16 00-0186	EA	23-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	279.68	19.25
		<i>For Low-E Insulated Glass, Add</i>	28.94	
		<i>For Tempered Clear Insulated Glass, Add</i>	48.23	
08 52 16 00-0187	EA	27-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	295.57	20.04
		<i>For Low-E Insulated Glass, Add</i>	30.66	
		<i>For Tempered Clear Insulated Glass, Add</i>	51.10	
08 52 16 00-0188	EA	31-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	310.28	20.82
		<i>For Low-E Insulated Glass, Add</i>	32.24	
		<i>For Tempered Clear Insulated Glass, Add</i>	53.73	
08 52 16 00-0189	EA	35-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	324.99	21.61
		<i>For Low-E Insulated Glass, Add</i>	33.81	
		<i>For Tempered Clear Insulated Glass, Add</i>	56.35	
<b>08 52 16 00-0190</b>		<b>47-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> (08 52 16 00-0179)		
08 52 16 00-0191	EA	23-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	302.32	20.44
		<i>For Low-E Insulated Glass, Add</i>	31.38	
		<i>For Tempered Clear Insulated Glass, Add</i>	52.29	
08 52 16 00-0192	EA	27-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	317.03	21.22
		<i>For Low-E Insulated Glass, Add</i>	32.95	
		<i>For Tempered Clear Insulated Glass, Add</i>	54.92	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0193	EA		31-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	332.94 34.67 57.78	22.01
08 52 16 00-0194	EA		35-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	347.65 36.25 60.41	22.79
<b>08 52 16 00-0195</b>			<b>53-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> <small>(08 52 16 00-0179)</small>		
08 52 16 00-0196	EA		23-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	324.99 33.81 56.35	21.61
08 52 16 00-0197	EA		27-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	339.69 35.39 58.98	22.40
08 52 16 00-0198	EA		31-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	354.40 36.96 61.61	23.18
08 52 16 00-0199	EA		35-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	370.29 38.68 64.47	23.97
<b>08 52 16 00-0200</b>			<b>56-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> <small>(08 52 16 00-0179)</small>		
08 52 16 00-0201	EA		19-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	321.01 33.38 55.64	21.61
08 52 16 00-0202	EA		23-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	335.71 34.96 58.26	22.20
08 52 16 00-0203	EA		27-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	351.61 36.68 61.13	23.18
08 52 16 00-0204	EA		31-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	366.31 38.25 63.75	23.97
08 52 16 00-0205	EA		35-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	381.02 39.83 66.38	24.76
08 52 16 00-0206	EA		39-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	395.73 41.40 69.01	25.55
<b>08 52 16 00-0207</b>			<b>59-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> <small>(08 52 16 00-0179)</small>		
08 52 16 00-0208	EA		19-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	332.94 34.67 57.78	22.01
08 52 16 00-0209	EA		23-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	347.65 36.25 60.41	22.79
08 52 16 00-0210	EA		27-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	362.35 37.82 63.04	23.58
08 52 16 00-0211	EA		31-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	377.05 39.40 65.66	24.36
08 52 16 00-0212	EA		35-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	391.76 40.98 68.29	25.15
08 52 16 00-0213	EA		39-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	407.65 42.69 71.16	25.93
<b>08 52 16 00-0214</b>			<b>65-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> <small>(08 52 16 00-0179)</small>		
08 52 16 00-0215	EA		23-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	370.29 38.68 64.47	23.97
08 52 16 00-0216	EA		27-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	385.00 40.26 67.10	24.76
08 52 16 00-0217	EA		31-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	399.70 41.83 69.72	25.55
08 52 16 00-0218	EA		35-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	414.40 43.41 72.35	26.33



**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0219			<b>71-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> (08 52 16 00-0179)		
08 52 16 00-0220	EA		23-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	391.76	25.15
			For Low-E Insulated Glass, Add	40.98	
			For Tempered Clear Insulated Glass, Add	68.29	
08 52 16 00-0221	EA		27-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	407.65	25.93
			For Low-E Insulated Glass, Add	42.69	
			For Tempered Clear Insulated Glass, Add	71.16	
08 52 16 00-0222	EA		31-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	422.36	26.72
			For Low-E Insulated Glass, Add	44.27	
			For Tempered Clear Insulated Glass, Add	73.78	
08 52 16 00-0223	EA		35-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	437.07	27.50
			For Low-E Insulated Glass, Add	45.85	
			For Tempered Clear Insulated Glass, Add	76.41	
08 52 16 00-0224			<b>Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> (08 52 16 00-0178) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0225			<b>36-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> (08 52 16 00-0224)		
08 52 16 00-0226	EA		21-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	328.26	18.07
			For Tempered Low-E Insulated Glass, Add	58.50	
08 52 16 00-0227	EA		25-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	348.95	18.66
			For Tempered Low-E Insulated Glass, Add	62.32	
08 52 16 00-0228	EA		29-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	370.81	19.45
			For Tempered Low-E Insulated Glass, Add	66.38	
08 52 16 00-0229	EA		31-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	382.34	20.04
			For Tempered Low-E Insulated Glass, Add	68.53	
08 52 16 00-0230	EA		33-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	392.68	20.44
			For Tempered Low-E Insulated Glass, Add	70.44	
08 52 16 00-0231	EA		35-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	403.01	20.82
			For Tempered Low-E Insulated Glass, Add	72.35	
08 52 16 00-0232	EA		37-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	414.55	21.02
			For Tempered Low-E Insulated Glass, Add	74.50	
08 52 16 00-0233	EA		41-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	435.22	21.81
			For Tempered Low-E Insulated Glass, Add	78.32	
08 52 16 00-0234	EA		45-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	457.09	22.60
			For Tempered Low-E Insulated Glass, Add	82.38	
08 52 16 00-0235			<b>40-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> (08 52 16 00-0224)		
08 52 16 00-0236	EA		21-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	348.95	18.87
			For Tempered Low-E Insulated Glass, Add	62.32	
08 52 16 00-0237	EA		25-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	370.81	19.45
			For Tempered Low-E Insulated Glass, Add	66.38	
08 52 16 00-0238	EA		29-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	392.68	20.23
			For Tempered Low-E Insulated Glass, Add	70.44	
08 52 16 00-0239	EA		31-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	403.01	20.82
			For Tempered Low-E Insulated Glass, Add	72.35	
08 52 16 00-0240	EA		33-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	414.55	21.22
			For Tempered Low-E Insulated Glass, Add	74.50	
08 52 16 00-0241	EA		35-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	424.88	21.61
			For Tempered Low-E Insulated Glass, Add	76.41	
08 52 16 00-0242	EA		37-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	435.22	21.81
			For Tempered Low-E Insulated Glass, Add	78.32	
08 52 16 00-0243	EA		41-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	457.09	22.60
			For Tempered Low-E Insulated Glass, Add	82.38	
08 52 16 00-0244	EA		45-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	478.95	23.38
			For Tempered Low-E Insulated Glass, Add	86.44	
08 52 16 00-0245			<b>44-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> (08 52 16 00-0224)		
08 52 16 00-0246	EA		21-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	370.81	19.65
			For Tempered Low-E Insulated Glass, Add	66.38	
08 52 16 00-0247	EA		25-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	392.68	20.23
			For Tempered Low-E Insulated Glass, Add	70.44	
08 52 16 00-0248	EA		29-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	414.55	21.02
			For Tempered Low-E Insulated Glass, Add	74.50	
08 52 16 00-0249	EA		31-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	424.88	21.61
			For Tempered Low-E Insulated Glass, Add	76.41	
08 52 16 00-0250	EA		33-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	435.22	22.01
			For Tempered Low-E Insulated Glass, Add	78.32	
08 52 16 00-0251	EA		35-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	446.74	22.40
			For Tempered Low-E Insulated Glass, Add	80.47	
08 52 16 00-0252	EA		37-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	457.09	22.60
			For Tempered Low-E Insulated Glass, Add	82.38	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0253	EA		41-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	478.95 86.44	23.38
08 52 16 00-0254	EA		45-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	500.82 90.50	24.17
<b>08 52 16 00-0255</b>			<b>48-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> <small>(08 52 16 00-0224)</small>		
08 52 16 00-0256	EA		21-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	392.68 70.44	20.44
08 52 16 00-0257	EA		25-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	414.55 74.50	21.02
08 52 16 00-0258	EA		29-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	435.22 78.32	21.81
08 52 16 00-0259	EA		31-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	446.74 80.47	22.40
08 52 16 00-0260	EA		33-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	457.09 82.38	22.79
08 52 16 00-0261	EA		35-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	467.42 84.29	23.18
08 52 16 00-0262	EA		37-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	478.95 86.44	23.38
08 52 16 00-0263	EA		41-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	500.82 90.50	24.17
08 52 16 00-0264	EA		45-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	521.50 94.32	24.95
<b>08 52 16 00-0265</b>			<b>52-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> <small>(08 52 16 00-0224)</small>		
08 52 16 00-0266	EA		21-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	414.55 74.50	21.22
08 52 16 00-0267	EA		25-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	435.22 78.32	21.81
08 52 16 00-0268	EA		29-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	457.09 82.38	22.60
08 52 16 00-0269	EA		31-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	467.42 84.29	23.18
08 52 16 00-0270	EA		33-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	478.95 86.44	23.58
08 52 16 00-0271	EA		35-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	489.28 88.35	23.97
08 52 16 00-0272	EA		37-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	500.82 90.50	24.17
08 52 16 00-0273	EA		41-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	521.50 94.32	24.95
08 52 16 00-0274	EA		45-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	543.37 98.38	25.74
<b>08 52 16 00-0275</b>			<b>56-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> <small>(08 52 16 00-0224)</small>		
08 52 16 00-0276	EA		21-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	435.22 78.32	22.01
08 52 16 00-0277	EA		25-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	457.09 82.38	22.60
08 52 16 00-0278	EA		29-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	478.95 86.44	23.38
08 52 16 00-0279	EA		31-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	489.28 88.35	23.97
08 52 16 00-0280	EA		33-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	500.82 90.50	24.36
08 52 16 00-0281	EA		35-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	511.16 92.41	24.76
08 52 16 00-0282	EA		37-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	521.50 94.32	24.95
08 52 16 00-0283	EA		41-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	543.37 98.38	25.74
08 52 16 00-0284	EA		45-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	565.23 102.44	26.53
<b>08 52 16 00-0285</b>			<b>60-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> <small>(08 52 16 00-0224)</small>		
08 52 16 00-0286	EA		21-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	457.09 82.38	22.79
08 52 16 00-0287	EA		25-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	478.95 86.44	23.38
08 52 16 00-0288	EA		29-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	500.82 90.50	24.17
08 52 16 00-0289	EA		31-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	511.16 92.41	24.76

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0290 EA 33-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	521.50	25.15
For Tempered Low-E Insulated Glass, Add	94.32	
08 52 16 00-0291 EA 35-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	533.03	25.55
For Tempered Low-E Insulated Glass, Add	96.47	
08 52 16 00-0292 EA 37-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	543.37	25.74
For Tempered Low-E Insulated Glass, Add	98.38	
08 52 16 00-0293 EA 41-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	565.23	26.53
For Tempered Low-E Insulated Glass, Add	102.44	
08 52 16 00-0294 EA 45-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	585.91	27.31
For Tempered Low-E Insulated Glass, Add	106.26	
<b>08 52 16 00-0295 64-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0224)</b>		
08 52 16 00-0296 EA 21-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	478.95	23.58
For Tempered Low-E Insulated Glass, Add	86.44	
08 52 16 00-0297 EA 25-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	500.82	24.17
For Tempered Low-E Insulated Glass, Add	90.50	
08 52 16 00-0298 EA 29-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	521.50	24.95
For Tempered Low-E Insulated Glass, Add	94.32	
08 52 16 00-0299 EA 31-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	533.03	25.55
For Tempered Low-E Insulated Glass, Add	96.47	
08 52 16 00-0300 EA 33-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	543.37	25.93
For Tempered Low-E Insulated Glass, Add	98.38	
08 52 16 00-0301 EA 35-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	553.71	26.33
For Tempered Low-E Insulated Glass, Add	100.29	
08 52 16 00-0302 EA 37-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	565.23	26.53
For Tempered Low-E Insulated Glass, Add	102.44	
08 52 16 00-0303 EA 41-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	585.91	27.31
For Tempered Low-E Insulated Glass, Add	106.26	
08 52 16 00-0304 EA 45-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	607.77	28.10
For Tempered Low-E Insulated Glass, Add	110.32	
<b>08 52 16 00-0305 68-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0224)</b>		
08 52 16 00-0306 EA 21-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	500.82	24.36
For Tempered Low-E Insulated Glass, Add	90.50	
08 52 16 00-0307 EA 25-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	521.50	24.95
For Tempered Low-E Insulated Glass, Add	94.32	
08 52 16 00-0308 EA 29-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	543.37	25.74
For Tempered Low-E Insulated Glass, Add	98.38	
08 52 16 00-0309 EA 31-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	553.71	26.33
For Tempered Low-E Insulated Glass, Add	100.29	
08 52 16 00-0310 EA 33-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	565.23	26.72
For Tempered Low-E Insulated Glass, Add	102.44	
08 52 16 00-0311 EA 35-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	575.57	27.12
For Tempered Low-E Insulated Glass, Add	104.35	
08 52 16 00-0312 EA 37-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	585.91	27.31
For Tempered Low-E Insulated Glass, Add	106.26	
08 52 16 00-0313 EA 41-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	607.77	28.10
For Tempered Low-E Insulated Glass, Add	110.32	
08 52 16 00-0314 EA 45-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	629.64	28.88
For Tempered Low-E Insulated Glass, Add	114.38	
<b>08 52 16 00-0315 72-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0224)</b>		
08 52 16 00-0316 EA 21-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	521.50	25.15
For Tempered Low-E Insulated Glass, Add	94.32	
08 52 16 00-0317 EA 25-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	543.37	25.74
For Tempered Low-E Insulated Glass, Add	98.38	
08 52 16 00-0318 EA 29-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	565.23	26.53
For Tempered Low-E Insulated Glass, Add	102.44	
08 52 16 00-0319 EA 31-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	575.57	27.12
For Tempered Low-E Insulated Glass, Add	104.35	
08 52 16 00-0320 EA 33-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	585.91	27.50
For Tempered Low-E Insulated Glass, Add	106.26	
08 52 16 00-0321 EA 35-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	597.44	27.90
For Tempered Low-E Insulated Glass, Add	108.41	
08 52 16 00-0322 EA 37-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	607.77	28.10
For Tempered Low-E Insulated Glass, Add	110.32	
08 52 16 00-0323 EA 41-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	629.64	28.88
For Tempered Low-E Insulated Glass, Add	114.38	
08 52 16 00-0324 EA 45-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	651.50	29.67
For Tempered Low-E Insulated Glass, Add	118.43	
<b>08 52 16 00-0325 76-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0224)</b>		
08 52 16 00-0326 EA 21-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	543.37	25.93
For Tempered Low-E Insulated Glass, Add	98.38	



<b>Openings</b>	<b>08</b>
Windows	08 50
Wood Windows	08 52

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0327	EA		25-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	565.23 102.44	26.53
08 52 16 00-0328	EA		29-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	585.91 106.26	27.31
08 52 16 00-0329	EA		31-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	597.44 108.41	27.90
08 52 16 00-0330	EA		33-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	607.77 110.32	28.29
08 52 16 00-0331	EA		35-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	619.31 112.47	28.69
08 52 16 00-0332	EA		37-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	629.64 114.38	28.88
08 52 16 00-0333	EA		41-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	651.50 118.43	29.67
08 52 16 00-0334	EA		45-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	672.19 122.26	30.45
<b>08 52 16 00-0335</b>			<b>84-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> <small>(08 52 16 00-0224)</small>		
08 52 16 00-0336	EA		21-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	870.05 163.09	27.50
08 52 16 00-0337	EA		25-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	901.47 169.06	28.10
08 52 16 00-0338	EA		29-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	932.89 175.03	28.88
08 52 16 00-0339	EA		31-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	948.01 177.89	29.47
08 52 16 00-0340	EA		33-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	964.31 181.00	29.86
08 52 16 00-0341	EA		35-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	979.42 183.86	30.26
08 52 16 00-0342	EA		37-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	994.54 186.73	30.45
08 52 16 00-0343	EA		41-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,025.96 192.70	31.24
08 52 16 00-0344	EA		45-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,057.37 198.66	32.02
<b>08 52 16 00-0345</b>			<b>88-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> <small>(08 52 16 00-0224)</small>		
08 52 16 00-0346	EA		21-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	901.47 169.06	28.29
08 52 16 00-0347	EA		25-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	932.89 175.03	28.88
08 52 16 00-0348	EA		29-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	964.31 181.00	29.67
08 52 16 00-0349	EA		31-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	979.42 183.86	30.26
08 52 16 00-0350	EA		33-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	994.54 186.73	30.66
08 52 16 00-0351	EA		35-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,010.85 189.83	31.04
08 52 16 00-0352	EA		37-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,025.96 192.70	31.24
08 52 16 00-0353	EA		41-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,057.37 198.66	32.02
08 52 16 00-0354	EA		45-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,088.79 204.63	32.81
08 52 16 00-0355			<b>Casement Wood Clad Windows</b> <small>(08 52 16)</small>		
08 52 16 00-0356			<b>Casement Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0355)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0357			<b>One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0356)</small>		
08 52 16 00-0358			<b>24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0357)</small>		
08 52 16 00-0359	EA		17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	232.45 40.60	14.93
08 52 16 00-0360	EA		20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	246.23 43.11	15.33
08 52 16 00-0361	EA		24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	261.44 45.84	16.11
08 52 16 00-0362	EA		28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	275.38 48.32	16.90

**08 Openings****08 50 Windows****08 52 Wood Windows**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0363			<b>28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0357)		
08 52 16 00-0364	EA		17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	249.76	15.72
			<i>For Tempered Clear Insulated Glass, Add</i> .....	43.74	
08 52 16 00-0365	EA		20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	263.54	16.11
			<i>For Tempered Clear Insulated Glass, Add</i> .....	46.26	
08 52 16 00-0366	EA		24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	278.75	16.90
			<i>For Tempered Clear Insulated Glass, Add</i> .....	48.99	
08 52 16 00-0367	EA		28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	285.72	17.68
			<i>For Tempered Clear Insulated Glass, Add</i> .....	50.07	
08 52 16 00-0368	EA		31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	303.81	18.47
			<i>For Tempered Clear Insulated Glass, Add</i> .....	53.45	
08 52 16 00-0369			<b>35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0357)		
08 52 16 00-0370	EA		17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	280.85	16.90
			<i>For Tempered Clear Insulated Glass, Add</i> .....	49.41	
08 52 16 00-0371	EA		20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	295.67	17.68
			<i>For Tempered Clear Insulated Glass, Add</i> .....	52.14	
08 52 16 00-0372	EA		24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	310.89	18.27
			<i>For Tempered Clear Insulated Glass, Add</i> .....	54.87	
08 52 16 00-0373	EA		28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	335.54	19.06
			<i>For Tempered Clear Insulated Glass, Add</i> .....	59.48	
08 52 16 00-0374	EA		31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	359.24	19.65
			<i>For Tempered Clear Insulated Glass, Add</i> .....	63.99	
08 52 16 00-0375	EA		35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	382.63	20.04
			<i>For Tempered Clear Insulated Glass, Add</i> .....	68.51	
08 52 16 00-0376			<b>40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0357)		
08 52 16 00-0377	EA		17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	301.69	18.07
			<i>For Tempered Clear Insulated Glass, Add</i> .....	53.19	
08 52 16 00-0378	EA		20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	315.48	18.47
			<i>For Tempered Clear Insulated Glass, Add</i> .....	55.71	
08 52 16 00-0379	EA		24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	330.69	19.25
			<i>For Tempered Clear Insulated Glass, Add</i> .....	58.44	
08 52 16 00-0380	EA		28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	366.89	20.04
			<i>For Tempered Clear Insulated Glass, Add</i> .....	65.36	
08 52 16 00-0381	EA		31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	391.77	20.82
			<i>For Tempered Clear Insulated Glass, Add</i> .....	70.10	
08 52 16 00-0382	EA		35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	414.76	21.61
			<i>For Tempered Clear Insulated Glass, Add</i> .....	74.39	
08 52 16 00-0383			<b>48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0357)		
08 52 16 00-0384	EA		17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	331.09	19.65
			<i>For Tempered Clear Insulated Glass, Add</i> .....	58.44	
08 52 16 00-0385	EA		20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	345.90	20.04
			<i>For Tempered Clear Insulated Glass, Add</i> .....	61.16	
08 52 16 00-0386	EA		24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	361.11	20.82
			<i>For Tempered Clear Insulated Glass, Add</i> .....	63.89	
08 52 16 00-0387	EA		28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	411.48	21.61
			<i>For Tempered Clear Insulated Glass, Add</i> .....	73.65	
08 52 16 00-0388	EA		31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	430.77	22.40
			<i>For Tempered Clear Insulated Glass, Add</i> .....	77.27	
08 52 16 00-0389	EA		35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	459.88	23.18
			<i>For Tempered Clear Insulated Glass, Add</i> .....	82.78	
08 52 16 00-0390			<b>52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0357)		
08 52 16 00-0391	EA		17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	351.55	20.44
			<i>For Tempered Clear Insulated Glass, Add</i> .....	62.21	
08 52 16 00-0392	EA		20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	365.31	20.82
			<i>For Tempered Clear Insulated Glass, Add</i> .....	64.73	
08 52 16 00-0393	EA		24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	380.53	21.61
			<i>For Tempered Clear Insulated Glass, Add</i> .....	67.46	
08 52 16 00-0394	EA		28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	442.97	22.40
			<i>For Tempered Clear Insulated Glass, Add</i> .....	79.63	
08 52 16 00-0395	EA		31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	472.19	23.18
			<i>For Tempered Clear Insulated Glass, Add</i> .....	85.24	
08 52 16 00-0396	EA		35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) .....	490.83	23.97
			<i>For Tempered Clear Insulated Glass, Add</i> .....	88.66	
08 52 16 00-0397			<b>59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0357)		



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0398	EA		17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	380.53 67.46	21.61
08 52 16 00-0399	EA		20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	395.34 70.19	22.40
08 52 16 00-0400	EA		24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	410.56 72.92	22.99
08 52 16 00-0401	EA		28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	487.68 88.03	23.77
08 52 16 00-0402	EA		31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	508.16 91.89	24.36
08 52 16 00-0403	EA		35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	535.57 97.05	25.15
<b>08 52 16 00-0404</b>			<b>64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0357)</small></b>		
08 52 16 00-0405	EA		17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	401.38 71.24	22.79
08 52 16 00-0406	EA		20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	415.15 73.76	23.18
08 52 16 00-0407	EA		24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	430.37 76.49	23.97
08 52 16 00-0408	EA		28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	519.04 93.91	24.76
08 52 16 00-0409	EA		31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	538.02 97.47	25.55
08 52 16 00-0410	EA		35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	566.92 102.93	26.33
<b>08 52 16 00-0411</b>			<b>71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0357)</small></b>		
08 52 16 00-0412	EA		17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	430.37 76.49	23.97
08 52 16 00-0413	EA		20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	445.19 79.21	24.76
08 52 16 00-0414	EA		24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	460.40 81.94	25.34
08 52 16 00-0415	EA		28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	563.77 102.30	26.13
08 52 16 00-0416	EA		31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	587.26 106.76	26.72
08 52 16 00-0417	EA		35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	611.65 111.33	27.50
<b>08 52 16 00-0418</b>			<b>Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0356)</small></b>		
<b>08 52 16 00-0419</b>			<b>24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0418)</small></b>		
08 52 16 00-0420	EA		40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	427.17 77.73	19.25
08 52 16 00-0421	EA		48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	487.14 89.10	20.82
08 52 16 00-0422	EA		56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	557.00 102.44	22.40
<b>08 52 16 00-0423</b>			<b>28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0418)</small></b>		
08 52 16 00-0424	EA		40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	462.04 84.39	20.04
08 52 16 00-0425	EA		48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	522.02 95.76	21.61
08 52 16 00-0426	EA		56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	591.87 109.10	23.18
<b>08 52 16 00-0427</b>			<b>35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0418)</small></b>		
08 52 16 00-0428	EA		33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	457.58 83.50	20.04
08 52 16 00-0429	EA		40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	519.10 95.25	21.61
08 52 16 00-0430	EA		48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	583.10 107.43	23.18
08 52 16 00-0431	EA		56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	657.61 121.70	24.56
08 52 16 00-0432	EA		62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	707.33 131.17	25.74

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0433	EA		71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	790.49 147.09	27.50
<b>08 52 16 00-0434</b>			<b>40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0418)</small>		
08 52 16 00-0435	EA		33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	500.48 91.69	21.02
08 52 16 00-0436	EA		40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	561.99 103.44	22.40
08 52 16 00-0437	EA		48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	626.00 115.61	23.97
08 52 16 00-0438	EA		56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	700.50 129.88	25.55
08 52 16 00-0439	EA		62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	755.78 140.47	26.72
08 52 16 00-0440	EA		71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	993.94 187.39	28.49
<b>08 52 16 00-0441</b>			<b>48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0418)</small>		
08 52 16 00-0442	EA		33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	563.43 103.65	22.60
08 52 16 00-0443	EA		40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	626.00 115.61	23.97
08 52 16 00-0444	EA		48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	690.00 127.78	25.55
08 52 16 00-0445	EA		56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	764.50 142.06	27.12
08 52 16 00-0446	EA		62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	817.38 152.16	28.29
08 52 16 00-0447	EA		71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	897.38 167.45	30.06
<b>08 52 16 00-0448</b>			<b>52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0418)</small>		
08 52 16 00-0449	EA		33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	605.93 111.83	23.38
08 52 16 00-0450	EA		40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	667.45 123.59	24.76
08 52 16 00-0451	EA		48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	723.66 134.20	26.33
08 52 16 00-0452	EA		56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	805.96 150.03	27.90
08 52 16 00-0453	EA		62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	861.46 160.66	29.07
08 52 16 00-0454	EA		71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	939.89 175.64	30.85
<b>08 52 16 00-0455</b>			<b>59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0418)</small>		
08 52 16 00-0456	EA		33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	668.50 123.80	24.76
08 52 16 00-0457	EA		40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	730.02 135.55	26.33
08 52 16 00-0458	EA		48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	794.03 147.72	27.90
08 52 16 00-0459	EA		56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	868.53 162.00	29.28
08 52 16 00-0460	EA		62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	924.02 172.62	30.45
08 52 16 00-0461	EA		71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,001.40 187.39	32.23
<b>08 52 16 00-0462</b>			<b>64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0418)</small>		
08 52 16 00-0463	EA		33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	711.39 131.98	25.74
08 52 16 00-0464	EA		40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	772.90 143.74	27.12
08 52 16 00-0465	EA		48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	837.96 156.12	28.69
08 52 16 00-0466	EA		56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	912.47 170.39	30.26



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 52 16 00-0467</b> 71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0418)</small>		
08 52 16 00-0468 EA 33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	773.95 143.95	27.12
08 52 16 00-0469 EA 40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	835.48 155.70	28.69
08 52 16 00-0470 EA 48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	899.48 167.87	30.26
08 52 16 00-0471 EA 56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	973.99 182.14	31.63
<b>08 52 16 00-0472</b> One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0356)</small>		
<b>08 52 16 00-0473</b> 24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0472)</small>		
08 52 16 00-0474 EA 71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	685.50 126.96	25.34
08 52 16 00-0475 EA 84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	799.86 148.81	27.90
<b>08 52 16 00-0476</b> 28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0472)</small>		
08 52 16 00-0477 EA 71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	728.65 135.28	26.13
08 52 16 00-0478 EA 84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	835.21 155.57	28.69
<b>08 52 16 00-0479</b> 35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0472)</small>		
08 52 16 00-0480 EA 61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	700.71 129.93	25.55
08 52 16 00-0481 EA 71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	792.59 147.51	27.50
08 52 16 00-0482 EA 84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	905.78 169.13	30.26
<b>08 52 16 00-0483</b> 40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0472)</small>		
08 52 16 00-0484 EA 61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	741.47 137.68	26.72
08 52 16 00-0485 EA 71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	836.52 155.91	28.49
08 52 16 00-0486 EA 84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	948.67 177.32	31.04
<b>08 52 16 00-0487</b> 48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0472)</small>		
08 52 16 00-0488 EA 71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	899.48 167.87	30.06
08 52 16 00-0489 EA 84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,011.63 189.28	32.61
<b>08 52 16 00-0490</b> 52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0472)</small>		
08 52 16 00-0491 EA 71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	941.99 176.06	30.85
08 52 16 00-0492 EA 84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,054.13 197.47	33.40



**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 52 16 00-0493		<b>59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0472)			
08 52 16 00-0494	EA	71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,003.49		32.23
		<i>For Tempered Clear Insulated Glass, Add</i> .....	187.81		
08 52 16 00-0495	EA	84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) .....	1,116.69		34.97
		<i>For Tempered Clear Insulated Glass, Add</i> .....	209.43		
08 52 16 00-0496		<b>Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0355)			
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.			
08 52 16 00-0497		<b>One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0496)			
08 52 16 00-0498		<b>24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0497)			
08 52 16 00-0499	EA	17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	281.25		14.93
		<i>For Tempered Low-E Insulated Glass, Add</i> .....	50.36		
08 52 16 00-0500	EA	20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	298.18		15.33
		<i>For Tempered Low-E Insulated Glass, Add</i> .....	53.50		
08 52 16 00-0501	EA	24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	316.80		16.11
		<i>For Tempered Low-E Insulated Glass, Add</i> .....	56.91		
08 52 16 00-0502	EA	28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	333.83		16.90
		<i>For Tempered Low-E Insulated Glass, Add</i> .....	60.01		
08 52 16 00-0503		<b>28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0497)			
08 52 16 00-0504	EA	17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	302.49		15.72
		<i>For Tempered Low-E Insulated Glass, Add</i> .....	54.29		
08 52 16 00-0505	EA	20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	319.42		16.11
		<i>For Tempered Low-E Insulated Glass, Add</i> .....	57.44		
08 52 16 00-0506	EA	24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	338.05		16.90
		<i>For Tempered Low-E Insulated Glass, Add</i> .....	60.85		
08 52 16 00-0507	EA	28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	346.36		17.68
		<i>For Tempered Low-E Insulated Glass, Add</i> .....	62.20		
08 52 16 00-0508	EA	31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	368.67		18.47
		<i>For Tempered Low-E Insulated Glass, Add</i> .....	66.42		
08 52 16 00-0509		<b>35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0497)			
08 52 16 00-0510	EA	17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	340.67		16.90
		<i>For Tempered Low-E Insulated Glass, Add</i> .....	61.37		
08 52 16 00-0511	EA	20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	358.89		17.68
		<i>For Tempered Low-E Insulated Glass, Add</i> .....	64.78		
08 52 16 00-0512	EA	24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	377.52		18.27
		<i>For Tempered Low-E Insulated Glass, Add</i> .....	68.19		
08 52 16 00-0513	EA	28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	407.95		19.06
		<i>For Tempered Low-E Insulated Glass, Add</i> .....	73.97		
08 52 16 00-0514	EA	31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	437.28		19.65
		<i>For Tempered Low-E Insulated Glass, Add</i> .....	79.60		
08 52 16 00-0515	EA	35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	466.32		20.04
		<i>For Tempered Low-E Insulated Glass, Add</i> .....	85.25		
08 52 16 00-0516		<b>40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0497)			
08 52 16 00-0517	EA	17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	366.23		18.07
		<i>For Tempered Low-E Insulated Glass, Add</i> .....	66.10		
08 52 16 00-0518	EA	20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	383.16		18.47
		<i>For Tempered Low-E Insulated Glass, Add</i> .....	69.24		
08 52 16 00-0519	EA	24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	401.78		19.25
		<i>For Tempered Low-E Insulated Glass, Add</i> .....	72.65		
08 52 16 00-0520	EA	28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	446.64		20.04
		<i>For Tempered Low-E Insulated Glass, Add</i> .....	81.31		
08 52 16 00-0521	EA	31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	477.45		20.82
		<i>For Tempered Low-E Insulated Glass, Add</i> .....	87.24		
08 52 16 00-0522	EA	35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	505.80		21.61
		<i>For Tempered Low-E Insulated Glass, Add</i> .....	92.59		
08 52 16 00-0523		<b>48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0497)			
08 52 16 00-0524	EA	17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	402.18		19.65
		<i>For Tempered Low-E Insulated Glass, Add</i> .....	72.65		
08 52 16 00-0525	EA	20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	420.41		20.04
		<i>For Tempered Low-E Insulated Glass, Add</i> .....	76.07		



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0526	EA		24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	439.03 79.48	20.82
08 52 16 00-0527	EA		28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	501.60 91.67	21.61
08 52 16 00-0528	EA		31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	525.42 96.20	22.40
08 52 16 00-0529	EA		35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	561.41 103.09	23.18
<b>08 52 16 00-0530</b>			<b>52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0497)		
08 52 16 00-0531	EA		17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	427.37 77.38	20.44
08 52 16 00-0532	EA		20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	444.28 80.53	20.82
08 52 16 00-0533	EA		24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	462.91 83.94	21.61
08 52 16 00-0534	EA		28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	540.56 99.15	22.40
08 52 16 00-0535	EA		31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	576.80 106.17	23.18
08 52 16 00-0536	EA		35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	599.71 110.43	23.97
<b>08 52 16 00-0537</b>			<b>59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0497)		
08 52 16 00-0538	EA		17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	462.91 83.94	21.61
08 52 16 00-0539	EA		20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	481.13 87.35	22.40
08 52 16 00-0540	EA		24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	499.76 90.76	22.99
08 52 16 00-0541	EA		28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	595.77 109.65	23.77
08 52 16 00-0542	EA		31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	621.07 114.47	24.36
08 52 16 00-0543	EA		35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	654.94 120.93	25.15
<b>08 52 16 00-0544</b>			<b>64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0497)		
08 52 16 00-0545	EA		17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	488.48 88.66	22.79
08 52 16 00-0546	EA		20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	505.40 91.81	23.18
08 52 16 00-0547	EA		24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	524.03 95.22	23.97
08 52 16 00-0548	EA		28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	634.47 116.99	24.76
08 52 16 00-0549	EA		31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	657.90 121.44	25.55
08 52 16 00-0550	EA		35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	693.64 128.27	26.33
<b>08 52 16 00-0551</b>			<b>71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0497)		
08 52 16 00-0552	EA		17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	524.03 95.22	23.97
08 52 16 00-0553	EA		20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	542.26 98.63	24.76
08 52 16 00-0554	EA		24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	560.88 102.04	25.34
08 52 16 00-0555	EA		28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	689.70 127.49	26.13
08 52 16 00-0556	EA		31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	718.77 133.07	26.72
08 52 16 00-0557	EA		35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	748.86 138.77	27.50
<b>08 52 16 00-0558</b>			<b>Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0496)		
<b>08 52 16 00-0559</b>			<b>24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0558)		
08 52 16 00-0560	EA		40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	520.44 96.39	19.25

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0561	EA		48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	594.62	20.82
			<i>For Tempered Low-E Insulated Glass, Add</i>	110.59	
08 52 16 00-0562	EA		56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	681.15	22.40
			<i>For Tempered Low-E Insulated Glass, Add</i>	127.27	
<b>08 52 16 00-0563</b>			<b>28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0558)</b>		
08 52 16 00-0564	EA		40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	563.64	20.04
			<i>For Tempered Low-E Insulated Glass, Add</i>	104.71	
08 52 16 00-0565	EA		48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	637.82	21.61
			<i>For Tempered Low-E Insulated Glass, Add</i>	118.92	
08 52 16 00-0566	EA		56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	724.35	23.18
			<i>For Tempered Low-E Insulated Glass, Add</i>	135.60	
<b>08 52 16 00-0567</b>			<b>35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0558)</b>		
08 52 16 00-0568	EA		33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	558.06	20.04
			<i>For Tempered Low-E Insulated Glass, Add</i>	103.60	
08 52 16 00-0569	EA		40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	634.27	21.61
			<i>For Tempered Low-E Insulated Glass, Add</i>	118.29	
08 52 16 00-0570	EA		48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	713.49	23.18
			<i>For Tempered Low-E Insulated Glass, Add</i>	133.50	
08 52 16 00-0571	EA		56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	805.84	24.56
			<i>For Tempered Low-E Insulated Glass, Add</i>	151.34	
08 52 16 00-0572	EA		62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	867.39	25.74
			<i>For Tempered Low-E Insulated Glass, Add</i>	163.18	
08 52 16 00-0573	EA		71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	970.46	27.50
			<i>For Tempered Low-E Insulated Glass, Add</i>	183.09	
<b>08 52 16 00-0574</b>			<b>40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0558)</b>		
08 52 16 00-0575	EA		33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	611.19	21.02
			<i>For Tempered Low-E Insulated Glass, Add</i>	113.83	
08 52 16 00-0576	EA		40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	687.40	22.40
			<i>For Tempered Low-E Insulated Glass, Add</i>	128.52	
08 52 16 00-0577	EA		48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	766.62	23.97
			<i>For Tempered Low-E Insulated Glass, Add</i>	143.74	
08 52 16 00-0578	EA		56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	858.96	25.55
			<i>For Tempered Low-E Insulated Glass, Add</i>	161.58	
08 52 16 00-0579	EA		62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	927.47	26.72
			<i>For Tempered Low-E Insulated Glass, Add</i>	174.81	
08 52 16 00-0580	EA		71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,224.28	28.49
			<i>For Tempered Low-E Insulated Glass, Add</i>	233.46	
<b>08 52 16 00-0581</b>			<b>48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0558)</b>		
08 52 16 00-0582	EA		33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	689.10	22.60
			<i>For Tempered Low-E Insulated Glass, Add</i>	128.78	
08 52 16 00-0583	EA		40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	766.62	23.97
			<i>For Tempered Low-E Insulated Glass, Add</i>	143.74	
08 52 16 00-0584	EA		48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	845.84	25.55
			<i>For Tempered Low-E Insulated Glass, Add</i>	158.95	
08 52 16 00-0585	EA		56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	938.18	27.12
			<i>For Tempered Low-E Insulated Glass, Add</i>	176.79	
08 52 16 00-0586	EA		62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,003.68	28.29
			<i>For Tempered Low-E Insulated Glass, Add</i>	189.42	
08 52 16 00-0587	EA		71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,102.80	30.06
			<i>For Tempered Low-E Insulated Glass, Add</i>	208.54	
<b>08 52 16 00-0588</b>			<b>52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0558)</b>		
08 52 16 00-0589	EA		33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	741.83	23.38
			<i>For Tempered Low-E Insulated Glass, Add</i>	139.01	
08 52 16 00-0590	EA		40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	818.04	24.76
			<i>For Tempered Low-E Insulated Glass, Add</i>	153.71	
08 52 16 00-0591	EA		48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	889.47	26.33
			<i>For Tempered Low-E Insulated Glass, Add</i>	167.36	
08 52 16 00-0592	EA		56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	989.61	27.90
			<i>For Tempered Low-E Insulated Glass, Add</i>	186.76	
08 52 16 00-0593	EA		62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,058.38	29.07
			<i>For Tempered Low-E Insulated Glass, Add</i>	200.04	
08 52 16 00-0594	EA		71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series).....	1,155.54	30.85
			<i>For Tempered Low-E Insulated Glass, Add</i>	218.77	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0595			<b>59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0558)</small>		
08 52 16 00-0596	EA		33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... 819.35	819.35	24.76
			<i>For Tempered Low-E Insulated Glass, Add</i> ..... 153.97	153.97	
08 52 16 00-0597	EA		40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... 895.57	895.57	26.33
			<i>For Tempered Low-E Insulated Glass, Add</i> ..... 168.66	168.66	
08 52 16 00-0598	EA		48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... 974.79	974.79	27.90
			<i>For Tempered Low-E Insulated Glass, Add</i> ..... 183.88	183.88	
08 52 16 00-0599	EA		56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... 1,067.13	1,067.13	29.28
			<i>For Tempered Low-E Insulated Glass, Add</i> ..... 201.72	201.72	
08 52 16 00-0600	EA		62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... 1,135.90	1,135.90	30.45
			<i>For Tempered Low-E Insulated Glass, Add</i> ..... 215.00	215.00	
08 52 16 00-0601	EA		71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... 1,231.74	1,231.74	32.23
			<i>For Tempered Low-E Insulated Glass, Add</i> ..... 233.46	233.46	
08 52 16 00-0602			<b>64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0558)</small>		
08 52 16 00-0603	EA		33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... 872.48	872.48	25.74
			<i>For Tempered Low-E Insulated Glass, Add</i> ..... 164.20	164.20	
08 52 16 00-0604	EA		40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... 948.67	948.67	27.12
			<i>For Tempered Low-E Insulated Glass, Add</i> ..... 178.89	178.89	
08 52 16 00-0605	EA		48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... 1,029.22	1,029.22	28.69
			<i>For Tempered Low-E Insulated Glass, Add</i> ..... 194.37	194.37	
08 52 16 00-0606	EA		56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... 1,121.57	1,121.57	30.26
			<i>For Tempered Low-E Insulated Glass, Add</i> ..... 212.21	212.21	
08 52 16 00-0607			<b>71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0558)</small>		
08 52 16 00-0608	EA		33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... 949.99	949.99	27.12
			<i>For Tempered Low-E Insulated Glass, Add</i> ..... 179.15	179.15	
08 52 16 00-0609	EA		40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... 1,026.20	1,026.20	28.69
			<i>For Tempered Low-E Insulated Glass, Add</i> ..... 193.84	193.84	
08 52 16 00-0610	EA		48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... 1,105.43	1,105.43	30.26
			<i>For Tempered Low-E Insulated Glass, Add</i> ..... 209.06	209.06	
08 52 16 00-0611	EA		56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... 1,197.78	1,197.78	31.63
			<i>For Tempered Low-E Insulated Glass, Add</i> ..... 226.90	226.90	
08 52 16 00-0612			<b>One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0496)</small>		
08 52 16 00-0613			<b>24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0612)</small>		
08 52 16 00-0614	EA		71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... 842.26	842.26	25.34
			<i>For Tempered Low-E Insulated Glass, Add</i> ..... 158.31	158.31	
08 52 16 00-0615	EA		84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... 981.99	981.99	27.90
			<i>For Tempered Low-E Insulated Glass, Add</i> ..... 185.24	185.24	
08 52 16 00-0616			<b>28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0612)</small>		
08 52 16 00-0617	EA		71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... 893.86	893.86	26.13
			<i>For Tempered Low-E Insulated Glass, Add</i> ..... 168.32	168.32	
08 52 16 00-0618	EA		84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... 1,025.78	1,025.78	28.69
			<i>For Tempered Low-E Insulated Glass, Add</i> ..... 193.68	193.68	
08 52 16 00-0619			<b>35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0612)</small>		
08 52 16 00-0620	EA		61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... 859.22	859.22	25.55
			<i>For Tempered Low-E Insulated Glass, Add</i> ..... 161.63	161.63	
08 52 16 00-0621	EA		71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... 973.09	973.09	27.50
			<i>For Tempered Low-E Insulated Glass, Add</i> ..... 183.61	183.61	
08 52 16 00-0622	EA		84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... 1,113.30	1,113.30	30.26
			<i>For Tempered Low-E Insulated Glass, Add</i> ..... 210.64	210.64	
08 52 16 00-0623			<b>40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0612)</small>		

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0624	EA		61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	909.68	26.72
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	171.33	
08 52 16 00-0625	EA		71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,027.52	28.49
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	194.11	
08 52 16 00-0626	EA		84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,166.43	31.04
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	220.87	
<b>08 52 16 00-0627</b>			<b>48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0612)</small>		
08 52 16 00-0628	EA		71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,105.43	30.06
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	209.06	
08 52 16 00-0629	EA		84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,244.34	32.61
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	235.82	
<b>08 52 16 00-0630</b>			<b>52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0612)</small>		
08 52 16 00-0631	EA		71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,158.16	30.85
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	219.29	
08 52 16 00-0632	EA		84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,297.06	33.40
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	246.05	
<b>08 52 16 00-0633</b>			<b>59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0612)</small>		
08 52 16 00-0634	EA		71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,234.36	32.23
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	233.98	
08 52 16 00-0635	EA		84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,374.58	34.97
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	261.01	
08 52 16 00-0636			<b>Awning Wood Clad Windows</b> <small>(08 52 16)</small>		
08 52 16 00-0637			<b>Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0636)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0638			<b>Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0637)</small>		
08 52 16 00-0639			<b>17" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0638)</small>		
08 52 16 00-0640	EA		24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	251.44	16.11
			<i>For Tempered Clear Insulated Glass, Add</i> .....	43.84	
08 52 16 00-0641	EA		28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	269.80	16.90
			<i>For Tempered Clear Insulated Glass, Add</i> .....	47.20	
08 52 16 00-0642	EA		31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	284.91	17.49
			<i>For Tempered Clear Insulated Glass, Add</i> .....	49.99	
08 52 16 00-0643	EA		35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	304.03	18.27
			<i>For Tempered Clear Insulated Glass, Add</i> .....	53.50	
08 52 16 00-0644	EA		40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	325.93	19.25
			<i>For Tempered Clear Insulated Glass, Add</i> .....	57.48	
08 52 16 00-0645	EA		48" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	359.50	20.82
			<i>For Tempered Clear Insulated Glass, Add</i> .....	63.57	
08 52 16 00-0646	EA		52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	381.02	21.61
			<i>For Tempered Clear Insulated Glass, Add</i> .....	67.56	
08 52 16 00-0647	EA		59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	412.09	23.18
			<i>For Tempered Clear Insulated Glass, Add</i> .....	73.22	
08 52 16 00-0648	EA		64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	423.04	23.97
			<i>For Tempered Clear Insulated Glass, Add</i> .....	75.02	
08 52 16 00-0649	EA		71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	453.77	25.34
			<i>For Tempered Clear Insulated Glass, Add</i> .....	80.62	
<b>08 52 16 00-0650</b>			<b>20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0638)</small>		
08 52 16 00-0651	EA		24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	265.72	16.90
			<i>For Tempered Clear Insulated Glass, Add</i> .....	46.46	
08 52 16 00-0652	EA		28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	285.66	17.68
			<i>For Tempered Clear Insulated Glass, Add</i> .....	50.14	
08 52 16 00-0653	EA		31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	298.55	18.07
			<i>For Tempered Clear Insulated Glass, Add</i> .....	52.48	
08 52 16 00-0654	EA		35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	319.89	18.87
			<i>For Tempered Clear Insulated Glass, Add</i> .....	56.43	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0655	EA		40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	341.80 60.42	20.04
08 52 16 00-0656	EA		48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	374.32 66.30	21.42
08 52 16 00-0657	EA		52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	395.83 70.29	22.40
08 52 16 00-0658	EA		59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	427.97 76.16	23.58
08 52 16 00-0659	EA		64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	437.69 77.71	24.76
08 52 16 00-0660	EA		71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	469.45 83.52	25.93
08 52 16 00-0661	EA		84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	741.07 136.82	28.69
<b>08 52 16 00-0662</b>			<b>24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0638)</small>		
08 52 16 00-0663	EA		24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	283.56 49.72	17.68
08 52 16 00-0664	EA		28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	301.93 53.08	18.47
08 52 16 00-0665	EA		31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	314.36 55.33	18.87
08 52 16 00-0666	EA		35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	336.15 59.37	19.65
08 52 16 00-0667	EA		40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	358.06 63.36	20.82
08 52 16 00-0668	EA		48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	391.63 69.45	22.20
08 52 16 00-0669	EA		52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	413.14 73.43	23.18
08 52 16 00-0670	EA		59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	445.29 79.31	24.36
08 52 16 00-0671	EA		64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	453.77 80.62	25.55
08 52 16 00-0672	EA		71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	484.45 86.20	26.72
08 52 16 00-0673	EA		84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	780.91 144.47	29.47
<b>08 52 16 00-0674</b>			<b>28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0638)</small>		
08 52 16 00-0675	EA		24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	281.99 49.09	18.47
08 52 16 00-0676	EA		28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	310.85 54.55	19.25
08 52 16 00-0677	EA		31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	329.28 58.00	19.65
08 52 16 00-0678	EA		35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	363.96 64.62	20.44
08 52 16 00-0679	EA		40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	398.46 71.13	21.61
08 52 16 00-0680	EA		48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	448.82 80.57	22.99
08 52 16 00-0681	EA		52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	481.87 86.87	23.97
08 52 16 00-0682	EA		59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	531.86 96.31	25.15
08 52 16 00-0683	EA		64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	549.63 99.47	26.33
08 52 16 00-0684	EA		71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	597.97 108.59	27.50
08 52 16 00-0685	EA		84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	802.14 148.40	30.26
<b>08 52 16 00-0686</b>			<b>31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0638)</small>		
08 52 16 00-0687	EA		28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	329.28 58.00	19.65
08 52 16 00-0688	EA		31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	349.16 61.74	20.23
08 52 16 00-0689	EA		35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	376.54 66.90	21.02
08 52 16 00-0690	EA		40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	406.99 72.59	22.01
08 52 16 00-0691	EA		48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	451.07 80.78	23.58
08 52 16 00-0692	EA		52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	482.01 86.66	24.36

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0693	EA		59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	525.70	25.93
			<i>For Tempered Clear Insulated Glass, Add</i>	94.84	
08 52 16 00-0694	EA		64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	556.14	26.72
			<i>For Tempered Clear Insulated Glass, Add</i>	100.54	
08 52 16 00-0695	EA		71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	600.72	28.10
			<i>For Tempered Clear Insulated Glass, Add</i>	108.91	
08 52 16 00-0696	EA		84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	857.44	30.66
			<i>For Tempered Clear Insulated Glass, Add</i>	159.23	
<b>08 52 16 00-0697</b>			<b>35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0638)</small>		
08 52 16 00-0698	EA		31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	376.54	21.02
			<i>For Tempered Clear Insulated Glass, Add</i>	66.90	
08 52 16 00-0699	EA		35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	416.04	21.81
			<i>For Tempered Clear Insulated Glass, Add</i>	74.48	
08 52 16 00-0700	EA		40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	450.54	22.79
			<i>For Tempered Clear Insulated Glass, Add</i>	80.99	
08 52 16 00-0701	EA		48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	500.90	24.36
			<i>For Tempered Clear Insulated Glass, Add</i>	90.43	
08 52 16 00-0702	EA		52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	535.01	25.15
			<i>For Tempered Clear Insulated Glass, Add</i>	96.94	
08 52 16 00-0703	EA		59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	583.93	26.72
			<i>For Tempered Clear Insulated Glass, Add</i>	106.18	
08 52 16 00-0704	EA		64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	503.69	27.50
			<i>For Tempered Clear Insulated Glass, Add</i>	89.73	
08 52 16 00-0705	EA		71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	541.66	28.88
			<i>For Tempered Clear Insulated Glass, Add</i>	96.78	
<b>08 52 16 00-0706</b>			<b>40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0638)</small>		
08 52 16 00-0707	EA		35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	444.24	22.79
			<i>For Tempered Clear Insulated Glass, Add</i>	79.73	
08 52 16 00-0708	EA		40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	502.86	23.97
			<i>For Tempered Clear Insulated Glass, Add</i>	91.06	
<b>08 52 16 00-0709</b>			<b>48" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0638)</small>		
08 52 16 00-0710	EA		35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	532.39	24.36
			<i>For Tempered Clear Insulated Glass, Add</i>	96.73	
08 52 16 00-0711	EA		40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	592.06	25.55
			<i>For Tempered Clear Insulated Glass, Add</i>	108.27	
08 52 16 00-0712	EA		48" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	679.17	26.91
			<i>For Tempered Clear Insulated Glass, Add</i>	125.07	
<b>08 52 16 00-0713</b>			<b>59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0638)</small>		
08 52 16 00-0714	EA		35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	664.51	26.53
			<i>For Tempered Clear Insulated Glass, Add</i>	122.29	
08 52 16 00-0715	EA		40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	716.60	27.50
			<i>For Tempered Clear Insulated Glass, Add</i>	132.32	
<b>08 52 16 00-0716</b>			<b>71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0638)</small>		
08 52 16 00-0717	EA		24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	730.05	26.72
			<i>For Tempered Clear Insulated Glass, Add</i>	135.32	
08 52 16 00-0718	EA		35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	753.50	28.88
			<i>For Tempered Clear Insulated Glass, Add</i>	139.15	
08 52 16 00-0719	EA		40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	837.01	29.86
			<i>For Tempered Clear Insulated Glass, Add</i>	155.46	
08 52 16 00-0720	EA		48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	921.48	31.44
			<i>For Tempered Clear Insulated Glass, Add</i>	171.72	
<b>08 52 16 00-0721</b>			<b>Stationary, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0637)</small>		
<b>08 52 16 00-0722</b>			<b>17" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0721)</small>		
08 52 16 00-0723	EA		24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	218.90	16.11
			<i>For Tempered Clear Insulated Glass, Add</i>	37.33	
08 52 16 00-0724	EA		28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	236.22	16.90
			<i>For Tempered Clear Insulated Glass, Add</i>	40.48	
08 52 16 00-0725	EA		31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	247.53	17.49
			<i>For Tempered Clear Insulated Glass, Add</i>	42.51	
08 52 16 00-0726	EA		35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	266.25	18.27
			<i>For Tempered Clear Insulated Glass, Add</i>	45.94	
08 52 16 00-0727	EA		40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	286.05	19.25
			<i>For Tempered Clear Insulated Glass, Add</i>	49.51	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0728	EA		48" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	316.47 54.96	20.82
08 52 16 00-0729	EA		52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	334.84 58.32	21.61
08 52 16 00-0730	EA		59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	363.82 63.57	23.18
08 52 16 00-0731	EA		64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	383.63 67.14	23.97
08 52 16 00-0732	EA		71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	412.61 72.38	25.34
<b>08 52 16 00-0733</b>			<b>20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0721)		
08 52 16 00-0734	EA		24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	232.67 39.85	16.90
08 52 16 00-0735	EA		28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	249.98 43.00	17.68
08 52 16 00-0736	EA		31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	260.28 44.83	18.07
08 52 16 00-0737	EA		35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	281.06 48.67	18.87
08 52 16 00-0738	EA		40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	300.87 52.24	20.04
08 52 16 00-0739	EA		48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	330.25 57.48	21.42
08 52 16 00-0740	EA		52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	349.66 61.05	22.40
08 52 16 00-0741	EA		59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	377.60 66.09	23.58
08 52 16 00-0742	EA		64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	398.45 69.87	24.76
08 52 16 00-0743	EA		71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	426.39 74.90	25.93
<b>08 52 16 00-0744</b>			<b>24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0721)		
08 52 16 00-0745	EA		24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	247.88 42.58	17.68
08 52 16 00-0746	EA		28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	265.20 45.73	18.47
08 52 16 00-0747	EA		31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	274.31 47.32	18.87
08 52 16 00-0748	EA		35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	295.23 51.19	19.65
08 52 16 00-0749	EA		40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	315.04 54.76	20.82
08 52 16 00-0750	EA		48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	344.41 60.00	22.20
08 52 16 00-0751	EA		52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	363.82 63.57	23.18
08 52 16 00-0752	EA		59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	392.82 68.82	24.36
08 52 16 00-0753	EA		64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	412.61 72.38	25.55
08 52 16 00-0754	EA		71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	441.60 77.63	26.72
<b>08 52 16 00-0755</b>			<b>28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0721)		
08 52 16 00-0756	EA		24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	248.41 42.37	18.47
08 52 16 00-0757	EA		28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	272.02 46.78	19.25
08 52 16 00-0758	EA		31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	284.78 49.10	19.65
08 52 16 00-0759	EA		35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	296.80 51.19	20.44
08 52 16 00-0760	EA		40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	341.79 59.79	21.61
08 52 16 00-0761	EA		48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	381.66 67.14	22.99
08 52 16 00-0762	EA		52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	408.42 72.18	23.97
08 52 16 00-0763	EA		59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	447.90 79.52	25.15
08 52 16 00-0764	EA		64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	476.11 84.77	26.33
08 52 16 00-0765	EA		71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	515.59 92.11	27.50



**08 Openings****08 50 Windows****08 52 Wood Windows**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0766			<b>31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0721)</small>		
08 52 16 00-0767	EA		28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	284.78	19.65
			<i>For Tempered Clear Insulated Glass, Add</i> .....	49.10	
08 52 16 00-0768	EA		31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	301.10	20.23
			<i>For Tempered Clear Insulated Glass, Add</i> .....	52.12	
08 52 16 00-0769	EA		35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	323.14	21.02
			<i>For Tempered Clear Insulated Glass, Add</i> .....	56.22	
08 52 16 00-0770	EA		40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	348.25	22.01
			<i>For Tempered Clear Insulated Glass, Add</i> .....	60.85	
08 52 16 00-0771	EA		48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	384.32	23.58
			<i>For Tempered Clear Insulated Glass, Add</i> .....	67.43	
08 52 16 00-0772	EA		52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	409.03	24.36
			<i>For Tempered Clear Insulated Glass, Add</i> .....	72.06	
08 52 16 00-0773	EA		59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	444.71	25.93
			<i>For Tempered Clear Insulated Glass, Add</i> .....	78.65	
08 52 16 00-0774	EA		64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	468.92	26.72
			<i>For Tempered Clear Insulated Glass, Add</i> .....	83.10	
08 52 16 00-0775	EA		71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	504.60	28.10
			<i>For Tempered Clear Insulated Glass, Add</i> .....	89.68	
08 52 16 00-0776			<b>35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0721)</small>		
08 52 16 00-0777	EA		31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	323.14	21.02
			<i>For Tempered Clear Insulated Glass, Add</i> .....	56.22	
08 52 16 00-0778	EA		35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	356.22	21.81
			<i>For Tempered Clear Insulated Glass, Add</i> .....	62.52	
08 52 16 00-0779	EA		40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	383.38	22.79
			<i>For Tempered Clear Insulated Glass, Add</i> .....	67.56	
08 52 16 00-0780	EA		48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	424.30	24.36
			<i>For Tempered Clear Insulated Glass, Add</i> .....	75.11	
08 52 16 00-0781	EA		52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	451.05	25.15
			<i>For Tempered Clear Insulated Glass, Add</i> .....	80.15	
08 52 16 00-0782	EA		59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	490.53	26.72
			<i>For Tempered Clear Insulated Glass, Add</i> .....	87.50	
08 52 16 00-0783	EA		64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	517.69	27.50
			<i>For Tempered Clear Insulated Glass, Add</i> .....	92.53	
08 52 16 00-0784	EA		71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	557.16	28.88
			<i>For Tempered Clear Insulated Glass, Add</i> .....	99.88	
08 52 16 00-0785			<b>Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0636)</small>		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0786			<b>Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0785)</small>		
08 52 16 00-0787			<b>17" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0786)</small>		
08 52 16 00-0788	EA		24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	303.38	16.11
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	54.23	
08 52 16 00-0789	EA		28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	325.94	16.90
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	58.43	
08 52 16 00-0790	EA		31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	344.54	17.49
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	61.91	
08 52 16 00-0791	EA		35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	368.04	18.27
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	66.30	
08 52 16 00-0792	EA		40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	394.93	19.25
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	71.28	
08 52 16 00-0793	EA		48" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	436.11	20.82
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	78.89	
08 52 16 00-0794	EA		52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	462.61	21.61
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	83.88	
08 52 16 00-0795	EA		59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	500.77	23.18
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	90.96	
08 52 16 00-0796	EA		64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	513.96	23.97
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	93.20	
08 52 16 00-0797	EA		71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	551.68	25.34
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	100.20	
08 52 16 00-0798			<b>20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0786)</small>		
08 52 16 00-0799	EA		24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	320.94	16.90
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	57.51	
08 52 16 00-0800	EA		28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	345.47	17.68
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	62.10	
08 52 16 00-0801	EA		31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	361.30	18.07
			<i>For Tempered Low-E Insulated Glass, Add</i> .....	65.03	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0802	EA		35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	387.58 69.97	18.87
08 52 16 00-0803	EA		40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	414.47 74.96	20.04
08 52 16 00-0804	EA		48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	454.34 82.30	21.42
08 52 16 00-0805	EA		52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	480.83 87.29	22.40
08 52 16 00-0806	EA		59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	520.32 94.63	23.58
08 52 16 00-0807	EA		64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	531.98 96.57	24.76
08 52 16 00-0808	EA		71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	570.99 103.82	25.93
08 52 16 00-0809	EA		84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	909.24 170.45	28.69
<b>08 52 16 00-0810</b>			<b>24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0786)</small>		
08 52 16 00-0811	EA		24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	342.85 61.58	17.68
08 52 16 00-0812	EA		28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	365.42 65.77	18.47
08 52 16 00-0813	EA		31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	380.67 68.59	18.87
08 52 16 00-0814	EA		35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	407.51 73.64	19.65
08 52 16 00-0815	EA		40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	434.40 78.63	20.82
08 52 16 00-0816	EA		48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	475.59 86.24	22.20
08 52 16 00-0817	EA		52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	502.08 91.22	23.18
08 52 16 00-0818	EA		59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	541.57 98.57	24.36
08 52 16 00-0819	EA		64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	551.68 100.20	25.55
08 52 16 00-0820	EA		71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	589.35 107.18	26.72
08 52 16 00-0821	EA		84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	958.65 180.02	29.47
<b>08 52 16 00-0822</b>			<b>28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0786)</small>		
08 52 16 00-0823	EA		24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	340.50 60.79	18.47
08 52 16 00-0824	EA		28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	376.17 67.61	19.25
08 52 16 00-0825	EA		31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	398.93 71.93	19.65
08 52 16 00-0826	EA		35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	441.88 80.20	20.44
08 52 16 00-0827	EA		40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	484.51 88.34	21.61
08 52 16 00-0828	EA		48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	546.68 100.14	22.99
08 52 16 00-0829	EA		52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	587.60 108.01	23.97
08 52 16 00-0830	EA		59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	649.39 119.82	25.15
08 52 16 00-0831	EA		64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	671.12 123.77	26.33
08 52 16 00-0832	EA		71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	845.10 158.02	27.50
08 52 16 00-0833	EA		84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	984.79 184.93	30.26
<b>08 52 16 00-0834</b>			<b>31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0786)</small>		
08 52 16 00-0835	EA		28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	398.93 71.93	19.65
08 52 16 00-0836	EA		31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	423.48 76.60	20.23
08 52 16 00-0837	EA		35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	457.31 83.05	21.02
08 52 16 00-0838	EA		40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	494.88 90.17	22.01
08 52 16 00-0839	EA		48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	549.20 100.41	23.58

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0840	EA		52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	587.48	24.36
			<i>For Tempered Low-E Insulated Glass, Add</i>	107.75	
08 52 16 00-0841	EA		59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	641.40	25.93
			<i>For Tempered Low-E Insulated Glass, Add</i>	117.98	
08 52 16 00-0842	EA		64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	678.96	26.72
			<i>For Tempered Low-E Insulated Glass, Add</i>	125.10	
08 52 16 00-0843	EA		71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	734.00	28.10
			<i>For Tempered Low-E Insulated Glass, Add</i>	135.56	
08 52 16 00-0844	EA		84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,053.62	30.66
			<i>For Tempered Low-E Insulated Glass, Add</i>	198.46	
<b>08 52 16 00-0845</b>			<b>35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0786)</small></b>		
08 52 16 00-0846	EA		31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	457.31	21.02
			<i>For Tempered Low-E Insulated Glass, Add</i>	83.05	
08 52 16 00-0847	EA		35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	506.29	21.81
			<i>For Tempered Low-E Insulated Glass, Add</i>	92.53	
08 52 16 00-0848	EA		40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	548.92	22.79
			<i>For Tempered Low-E Insulated Glass, Add</i>	100.67	
08 52 16 00-0849	EA		48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	611.09	24.36
			<i>For Tempered Low-E Insulated Glass, Add</i>	112.47	
08 52 16 00-0850	EA		52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	653.33	25.15
			<i>For Tempered Low-E Insulated Glass, Add</i>	120.61	
08 52 16 00-0851	EA		59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	713.79	26.72
			<i>For Tempered Low-E Insulated Glass, Add</i>	132.15	
08 52 16 00-0852	EA		64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	613.00	27.50
			<i>For Tempered Low-E Insulated Glass, Add</i>	111.60	
08 52 16 00-0853	EA		71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	659.77	28.88
			<i>For Tempered Low-E Insulated Glass, Add</i>	120.40	
<b>08 52 16 00-0854</b>			<b>40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0786)</small></b>		
08 52 16 00-0855	EA		35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	539.08	22.79
			<i>For Tempered Low-E Insulated Glass, Add</i>	99.09	
08 52 16 00-0856	EA		40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	615.03	24.36
			<i>For Tempered Low-E Insulated Glass, Add</i>	113.26	
<b>08 52 16 00-0857</b>			<b>48" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0786)</small></b>		
08 52 16 00-0858	EA		35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	650.44	24.36
			<i>For Tempered Low-E Insulated Glass, Add</i>	120.34	
08 52 16 00-0859	EA		40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	724.55	25.55
			<i>For Tempered Low-E Insulated Glass, Add</i>	134.77	
08 52 16 00-0860	EA		48" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	832.64	26.91
			<i>For Tempered Low-E Insulated Glass, Add</i>	155.76	
<b>08 52 16 00-0861</b>			<b>59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0786)</small></b>		
08 52 16 00-0862	EA		35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	814.52	26.53
			<i>For Tempered Low-E Insulated Glass, Add</i>	152.29	
08 52 16 00-0863	EA		40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	879.13	27.50
			<i>For Tempered Low-E Insulated Glass, Add</i>	164.82	
<b>08 52 16 00-0864</b>			<b>71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0786)</small></b>		
08 52 16 00-0865	EA		24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	896.35	26.72
			<i>For Tempered Low-E Insulated Glass, Add</i>	168.58	
08 52 16 00-0866	EA		35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	924.58	28.88
			<i>For Tempered Low-E Insulated Glass, Add</i>	173.36	
08 52 16 00-0867	EA		40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,028.47	29.86
			<i>For Tempered Low-E Insulated Glass, Add</i>	193.75	
08 52 16 00-0868	EA		48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	1,133.28	31.44
			<i>For Tempered Low-E Insulated Glass, Add</i>	214.08	
<b>08 52 16 00-0869</b>			<b>Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0785)</small></b>		
<b>08 52 16 00-0870</b>			<b>17" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-0869)</small></b>		
08 52 16 00-0871	EA		24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	262.72	16.11
			<i>For Tempered Low-E Insulated Glass, Add</i>	46.10	
08 52 16 00-0872	EA		28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	283.96	16.90
			<i>For Tempered Low-E Insulated Glass, Add</i>	50.03	
08 52 16 00-0873	EA		31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	297.82	17.49
			<i>For Tempered Low-E Insulated Glass, Add</i>	52.57	
08 52 16 00-0874	EA		35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) .....	320.82	18.27
			<i>For Tempered Low-E Insulated Glass, Add</i>	56.85	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0875	EA		40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	345.08 61.31	19.25
08 52 16 00-0876	EA		48" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	382.32 68.13	20.82
08 52 16 00-0877	EA		52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	404.89 72.33	21.61
08 52 16 00-0878	EA		59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	440.43 78.89	23.18
08 52 16 00-0879	EA		64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	464.70 83.35	23.97
08 52 16 00-0880	EA		71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	500.24 89.91	25.34
<b>08 52 16 00-0881</b>			<b>20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0869)</small>		
08 52 16 00-0882	EA		24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	279.63 49.25	16.90
08 52 16 00-0883	EA		28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	300.87 53.18	17.68
08 52 16 00-0884	EA		31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	313.46 55.46	18.07
08 52 16 00-0885	EA		35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	339.04 60.26	18.87
08 52 16 00-0886	EA		40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	363.31 64.72	20.04
08 52 16 00-0887	EA		48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	399.25 71.28	21.42
08 52 16 00-0888	EA		52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	423.12 75.74	22.40
08 52 16 00-0889	EA		59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	457.36 82.04	23.58
08 52 16 00-0890	EA		64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	482.93 86.76	24.76
08 52 16 00-0891	EA		71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	517.16 93.06	25.93
<b>08 52 16 00-0892</b>			<b>24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0869)</small>		
08 52 16 00-0893	EA		24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	298.25 52.66	17.68
08 52 16 00-0894	EA		28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	319.51 56.59	18.47
08 52 16 00-0895	EA		31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	330.61 58.58	18.87
08 52 16 00-0896	EA		35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	356.35 63.41	19.65
08 52 16 00-0897	EA		40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	380.62 67.87	20.82
08 52 16 00-0898	EA		48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	416.56 74.43	22.20
08 52 16 00-0899	EA		52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	440.43 78.89	23.18
08 52 16 00-0900	EA		59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	475.98 85.45	24.36
08 52 16 00-0901	EA		64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	500.24 89.91	25.55
08 52 16 00-0902	EA		71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	535.78 96.47	26.72
<b>08 52 16 00-0903</b>			<b>28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0869)</small>		
08 52 16 00-0904	EA		24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	298.52 52.39	18.47
08 52 16 00-0905	EA		28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	327.64 57.90	19.25
08 52 16 00-0906	EA		31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	343.30 60.80	19.65
08 52 16 00-0907	EA		35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	357.92 63.41	20.44
08 52 16 00-0908	EA		40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	413.67 74.17	21.61
08 52 16 00-0909	EA		48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	462.73 83.35	22.99
08 52 16 00-0910	EA		52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	495.78 89.65	23.97
08 52 16 00-0911	EA		59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	544.45 98.83	25.15
08 52 16 00-0912	EA		64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	579.21 105.39	26.33

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0913	EA		71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	627.88 114.57	27.50
<b>08 52 16 00-0914</b>			<b>31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0869)		
08 52 16 00-0915	EA		28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	343.30 60.80	19.65
08 52 16 00-0916	EA		31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	363.40 64.58	20.23
08 52 16 00-0917	EA		35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	390.56 69.70	21.02
08 52 16 00-0918	EA		40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	421.46 75.49	22.01
08 52 16 00-0919	EA		48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	465.76 83.72	23.58
08 52 16 00-0920	EA		52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	496.25 89.50	24.36
08 52 16 00-0921	EA		59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	540.17 97.74	25.93
08 52 16 00-0922	EA		64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	569.94 103.30	26.72
08 52 16 00-0923	EA		71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	613.85 111.53	28.10
<b>08 52 16 00-0924</b>			<b>35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0869)		
08 52 16 00-0925	EA		31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	390.56 69.70	21.02
08 52 16 00-0926	EA		35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	431.52 77.58	21.81
08 52 16 00-0927	EA		40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	464.97 83.88	22.79
08 52 16 00-0928	EA		48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	515.33 93.32	24.36
08 52 16 00-0929	EA		52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	548.39 99.62	25.15
08 52 16 00-0930	EA		59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	597.05 108.80	26.72
08 52 16 00-0931	EA		64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	630.50 115.10	27.50
08 52 16 00-0932	EA		71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	679.15 124.28	28.88
08 52 16 00-0933			<b>Horizontal Sliding Wood Clad Windows</b> (08 52 16)		
08 52 16 00-0934			<b>One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0933) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0935			<b>17-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0934)		
08 52 16 00-0936	EA		47-1/2" x 17-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	310.65 53.88	20.82
08 52 16 00-0937			<b>23-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0934)		
08 52 16 00-0938	EA		35-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	284.99 49.22	19.25
08 52 16 00-0939	EA		47-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	335.03 58.28	22.01
08 52 16 00-0940			<b>35-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0934)		
08 52 16 00-0941	EA		35-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	335.03 58.28	22.01
08 52 16 00-0942	EA		47-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	385.07 67.35	24.36
08 52 16 00-0943	EA		59-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	435.12 76.41	26.53
08 52 16 00-0944	EA		71-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	485.16 85.48	28.88
08 52 16 00-0945			<b>41-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0934)		



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0946	EA		35-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	360.69	23.18
			<i>For Tempered Clear Insulated Glass, Add</i>	62.94	
08 52 16 00-0947	EA		47-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	409.45	25.55
			<i>For Tempered Clear Insulated Glass, Add</i>	71.75	
08 52 16 00-0948	EA		59-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	459.50	27.71
			<i>For Tempered Clear Insulated Glass, Add</i>	80.82	
08 52 16 00-0949	EA		71-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	554.87	30.06
			<i>For Tempered Clear Insulated Glass, Add</i>	98.95	
<b>08 52 16 00-0950</b>			<b>47-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0934)</small>		
08 52 16 00-0951	EA		35-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	385.07	24.36
			<i>For Tempered Clear Insulated Glass, Add</i>	67.35	
08 52 16 00-0952	EA		47-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	435.12	26.72
			<i>For Tempered Clear Insulated Glass, Add</i>	76.41	
08 52 16 00-0953	EA		59-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	485.16	28.88
			<i>For Tempered Clear Insulated Glass, Add</i>	85.48	
08 52 16 00-0954	EA		71-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	535.21	31.24
			<i>For Tempered Clear Insulated Glass, Add</i>	94.55	
<b>08 52 16 00-0955</b>			<b>53-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0934)</small>		
08 52 16 00-0956	EA		47-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	459.50	27.90
			<i>For Tempered Clear Insulated Glass, Add</i>	80.82	
08 52 16 00-0957	EA		59-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	509.54	30.06
			<i>For Tempered Clear Insulated Glass, Add</i>	89.88	
08 52 16 00-0958	EA		71-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	559.59	32.42
			<i>For Tempered Clear Insulated Glass, Add</i>	98.95	
<b>08 52 16 00-0959</b>			<b>59-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0934)</small>		
08 52 16 00-0960	EA		47-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	485.16	29.07
			<i>For Tempered Clear Insulated Glass, Add</i>	85.48	
08 52 16 00-0961	EA		59-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	535.21	31.24
			<i>For Tempered Clear Insulated Glass, Add</i>	94.55	
08 52 16 00-0962	EA		71-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series).....	585.36	33.60
			<i>For Tempered Clear Insulated Glass, Add</i>	103.63	
<b>08 52 16 00-0963</b>			<b>Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0933)</small>		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-0964</b>			<b>22-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0963)</small>		
08 52 16 00-0965	EA		35-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	739.45	19.25
			<i>For Tempered Low-E Insulated Glass, Add</i>	140.11	
08 52 16 00-0966	EA		47-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	882.74	22.01
			<i>For Tempered Low-E Insulated Glass, Add</i>	167.82	
<b>08 52 16 00-0967</b>			<b>35-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0963)</small>		
08 52 16 00-0968	EA		35-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	894.40	22.01
			<i>For Tempered Low-E Insulated Glass, Add</i>	170.16	
08 52 16 00-0969	EA		47-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,038.99	24.36
			<i>For Tempered Low-E Insulated Glass, Add</i>	198.13	
08 52 16 00-0970	EA		59-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,182.29	26.53
			<i>For Tempered Low-E Insulated Glass, Add</i>	225.85	
08 52 16 00-0971	EA		71-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,325.58	28.88
			<i>For Tempered Low-E Insulated Glass, Add</i>	253.56	
<b>08 52 16 00-0972</b>			<b>41-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0963)</small>		
08 52 16 00-0973	EA		35-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	966.69	23.18
			<i>For Tempered Low-E Insulated Glass, Add</i>	184.14	
08 52 16 00-0974	EA		47-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,109.99	25.55
			<i>For Tempered Low-E Insulated Glass, Add</i>	211.86	
08 52 16 00-0975	EA		59-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,254.59	27.71
			<i>For Tempered Low-E Insulated Glass, Add</i>	239.84	
08 52 16 00-0976	EA		71-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,397.88	30.06
			<i>For Tempered Low-E Insulated Glass, Add</i>	267.55	

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 52 16 00-0977 47-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0963)		
08 52 16 00-0978 EA 35-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,038.99	24.36
For Tempered Low-E Insulated Glass, Add	198.13	
08 52 16 00-0979 EA 47-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,182.29	26.72
For Tempered Low-E Insulated Glass, Add	225.85	
08 52 16 00-0980 EA 59-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,325.58	28.88
For Tempered Low-E Insulated Glass, Add	253.56	
08 52 16 00-0981 EA 71-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,470.18	31.24
For Tempered Low-E Insulated Glass, Add	281.54	
<b>08 52 16 00-0982 59-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0963)		
08 52 16 00-0983 EA 35-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,182.29	26.72
For Tempered Low-E Insulated Glass, Add	225.85	
08 52 16 00-0984 EA 47-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,325.58	29.07
For Tempered Low-E Insulated Glass, Add	253.56	
08 52 16 00-0985 EA 59-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,470.18	31.24
For Tempered Low-E Insulated Glass, Add	281.54	
08 52 16 00-0986 EA 71-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series).....	1,613.48	33.60
For Tempered Low-E Insulated Glass, Add	309.26	
<b>08 52 16 00-0987 Picture Wood Clad Windows</b> (08 52 16)		
<b>08 52 16 00-0988 Picture Wood Clad Windows For Awning And Casement Windows</b> (08 52 16 00-0987)		
<b>08 52 16 00-0989 Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series)</b> (08 52 16 00-0988)		
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-0990 12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series)</b> (08 52 16 00-0989)		
08 52 16 00-0991 EA 40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	245.15	15.72
For Tempered Clear Insulated Glass, Add	42.74	
08 52 16 00-0992 EA 48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	288.78	17.29
For Tempered Clear Insulated Glass, Add	50.84	
08 52 16 00-0993 EA 52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	307.29	18.07
For Tempered Clear Insulated Glass, Add	54.23	
08 52 16 00-0994 EA 59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	333.59	19.65
For Tempered Clear Insulated Glass, Add	58.94	
08 52 16 00-0995 EA 64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	351.55	20.44
For Tempered Clear Insulated Glass, Add	62.14	
08 52 16 00-0996 EA 71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	377.84	22.01
For Tempered Clear Insulated Glass, Add	66.84	
<b>08 52 16 00-0997 35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series)</b> (08 52 16 00-0989)		
08 52 16 00-0998 EA 35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	269.08	19.25
For Tempered Clear Insulated Glass, Add	46.11	
08 52 16 00-0999 EA 40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	314.61	20.44
For Tempered Clear Insulated Glass, Add	54.83	
08 52 16 00-1000 EA 48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	381.50	21.81
For Tempered Clear Insulated Glass, Add	67.58	
08 52 16 00-1001 EA 52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	425.57	22.60
For Tempered Clear Insulated Glass, Add	76.08	
08 52 16 00-1002 EA 59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	491.01	23.97
For Tempered Clear Insulated Glass, Add	88.61	
08 52 16 00-1003 EA 64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	536.55	24.95
For Tempered Clear Insulated Glass, Add	97.33	
08 52 16 00-1004 EA 71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	814.48	26.33
For Tempered Clear Insulated Glass, Add	152.37	
<b>08 52 16 00-1005 40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series)</b> (08 52 16 00-0989)		
08 52 16 00-1006 EA 35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	314.61	20.44
For Tempered Clear Insulated Glass, Add	54.83	
08 52 16 00-1007 EA 40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	360.12	21.22
For Tempered Clear Insulated Glass, Add	63.54	
08 52 16 00-1008 EA 48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	427.04	22.79
For Tempered Clear Insulated Glass, Add	76.29	
08 52 16 00-1009 EA 52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	471.11	23.58
For Tempered Clear Insulated Glass, Add	84.79	
08 52 16 00-1010 EA 59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	536.55	25.15
For Tempered Clear Insulated Glass, Add	97.33	
08 52 16 00-1011 EA 64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	582.07	25.93
For Tempered Clear Insulated Glass, Add	106.04	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1012	EA		71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	647.51 118.58	27.50
<b>08 52 16 00-1013      48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0989)</b>					
08 52 16 00-1014	EA		35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	381.50 67.58	22.01
08 52 16 00-1015	EA		40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	427.04 76.29	22.79
08 52 16 00-1016	EA		48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	493.93 89.04	24.36
08 52 16 00-1017	EA		52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	538.00 97.54	25.15
08 52 16 00-1018	EA		59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	603.44 110.08	26.72
08 52 16 00-1019	EA		64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	648.97 118.79	27.50
08 52 16 00-1020	EA		71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	714.40 131.33	29.07
<b>08 52 16 00-1021      52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0989)</b>					
08 52 16 00-1022	EA		35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	425.57 76.08	22.79
08 52 16 00-1023	EA		40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	471.11 84.79	23.58
08 52 16 00-1024	EA		48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	538.00 97.54	25.15
08 52 16 00-1025	EA		52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	582.07 106.04	25.93
08 52 16 00-1026	EA		59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	647.51 118.58	27.50
08 52 16 00-1027	EA		64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	693.04 127.29	28.29
08 52 16 00-1028	EA		71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	821.16 152.37	29.86
<b>08 52 16 00-1029      59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0989)</b>					
08 52 16 00-1030	EA		35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	491.01 88.61	23.97
08 52 16 00-1031	EA		40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	536.55 97.33	25.15
08 52 16 00-1032	EA		48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	603.44 110.08	26.53
08 52 16 00-1033	EA		52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	647.51 118.58	27.31
08 52 16 00-1034	EA		59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	712.95 131.12	28.69
08 52 16 00-1035	EA		64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	758.47 139.83	29.67
08 52 16 00-1036	EA		71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	823.92 152.37	31.04
<b>08 52 16 00-1037      64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0989)</b>					
08 52 16 00-1038	EA		35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	536.55 97.33	25.15
08 52 16 00-1039	EA		40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	582.07 106.04	25.93
08 52 16 00-1040	EA		48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	648.97 118.79	27.50
08 52 16 00-1041	EA		52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	693.04 127.29	28.29
08 52 16 00-1042	EA		59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	821.16 152.37	29.86
<b>08 52 16 00-1043      71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0989)</b>					
08 52 16 00-1044	EA		35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	601.97 109.86	26.33
08 52 16 00-1045	EA		40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	647.51 118.58	27.50
08 52 16 00-1046	EA		48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	714.40 131.33	28.88



**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 52 16 00-1047	EA	52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	758.47		29.67
		<i>For Tempered Clear Insulated Glass, Add</i>	139.83		
08 52 16 00-1048	EA	59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	823.92		31.04
		<i>For Tempered Clear Insulated Glass, Add</i>	152.37		
<b>08 52 16 00-1049</b>		<b>Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0988)</small>			
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.			
<b>08 52 16 00-1050</b>		<b>12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)</b> <small>(08 52 16 00-1049)</small>			
08 52 16 00-1051	EA	40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	295.29		15.72
		<i>For Tempered Low-E Insulated Glass, Add</i>	52.77		
08 52 16 00-1052	EA	48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	348.41		17.29
		<i>For Tempered Low-E Insulated Glass, Add</i>	62.77		
08 52 16 00-1053	EA	52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	370.90		18.07
		<i>For Tempered Low-E Insulated Glass, Add</i>	66.95		
08 52 16 00-1054	EA	59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	402.71		19.65
		<i>For Tempered Low-E Insulated Glass, Add</i>	72.76		
08 52 16 00-1055	EA	64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	424.42		20.44
		<i>For Tempered Low-E Insulated Glass, Add</i>	76.71		
08 52 16 00-1056	EA	71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	456.24		22.01
		<i>For Tempered Low-E Insulated Glass, Add</i>	82.52		
<b>08 52 16 00-1057</b>		<b>35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)</b> <small>(08 52 16 00-1049)</small>			
08 52 16 00-1058	EA	35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	323.16		19.25
		<i>For Tempered Low-E Insulated Glass, Add</i>	56.93		
08 52 16 00-1059	EA	40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	378.91		20.44
		<i>For Tempered Low-E Insulated Glass, Add</i>	67.69		
08 52 16 00-1060	EA	48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	460.76		21.81
		<i>For Tempered Low-E Insulated Glass, Add</i>	83.43		
08 52 16 00-1061	EA	48" x 13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	514.80		22.60
		<i>For Tempered Low-E Insulated Glass, Add</i>	93.92		
08 52 16 00-1062	EA	59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	594.94		23.97
		<i>For Tempered Low-E Insulated Glass, Add</i>	109.40		
08 52 16 00-1063	EA	64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	650.69		24.95
		<i>For Tempered Low-E Insulated Glass, Add</i>	120.16		
08 52 16 00-1064	EA	71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	993.18		26.33
		<i>For Tempered Low-E Insulated Glass, Add</i>	188.11		
<b>08 52 16 00-1065</b>		<b>40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)</b> <small>(08 52 16 00-1049)</small>			
08 52 16 00-1066	EA	35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	378.91		20.44
		<i>For Tempered Low-E Insulated Glass, Add</i>	67.69		
08 52 16 00-1067	EA	40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	434.64		21.22
		<i>For Tempered Low-E Insulated Glass, Add</i>	78.44		
08 52 16 00-1068	EA	48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	516.51		22.79
		<i>For Tempered Low-E Insulated Glass, Add</i>	94.18		
08 52 16 00-1069	EA	52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	570.55		23.58
		<i>For Tempered Low-E Insulated Glass, Add</i>	104.68		
08 52 16 00-1070	EA	59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	650.69		25.15
		<i>For Tempered Low-E Insulated Glass, Add</i>	120.16		
08 52 16 00-1071	EA	64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	706.44		25.93
		<i>For Tempered Low-E Insulated Glass, Add</i>	130.91		
08 52 16 00-1072	EA	71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	786.58		27.50
		<i>For Tempered Low-E Insulated Glass, Add</i>	146.39		
<b>08 52 16 00-1073</b>		<b>48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)</b> <small>(08 52 16 00-1049)</small>			
08 52 16 00-1074	EA	35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	460.76		22.01
		<i>For Tempered Low-E Insulated Glass, Add</i>	83.43		
08 52 16 00-1075	EA	40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	516.51		22.79
		<i>For Tempered Low-E Insulated Glass, Add</i>	94.18		
08 52 16 00-1076	EA	48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	598.36		24.36
		<i>For Tempered Low-E Insulated Glass, Add</i>	109.93		
08 52 16 00-1077	EA	52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	652.40		25.15
		<i>For Tempered Low-E Insulated Glass, Add</i>	120.42		
08 52 16 00-1078	EA	59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	732.54		26.72
		<i>For Tempered Low-E Insulated Glass, Add</i>	135.90		
08 52 16 00-1079	EA	64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	788.29		27.50
		<i>For Tempered Low-E Insulated Glass, Add</i>	146.65		
08 52 16 00-1080	EA	71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	868.42		29.07
		<i>For Tempered Low-E Insulated Glass, Add</i>	162.13		



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 52 16 00-1081 52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)</b> <small>(08 52 16 00-1049)</small>		
08 52 16 00-1082 EA 35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	514.80	22.79
For Tempered Low-E Insulated Glass, Add	93.92	
08 52 16 00-1083 EA 40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	570.55	23.58
For Tempered Low-E Insulated Glass, Add	104.68	
08 52 16 00-1084 EA 48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	652.40	25.15
For Tempered Low-E Insulated Glass, Add	120.42	
08 52 16 00-1085 EA 52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	706.44	25.93
For Tempered Low-E Insulated Glass, Add	130.91	
08 52 16 00-1086 EA 59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	786.58	27.50
For Tempered Low-E Insulated Glass, Add	146.39	
08 52 16 00-1087 EA 64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	842.33	28.29
For Tempered Low-E Insulated Glass, Add	157.15	
08 52 16 00-1088 EA 71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	999.86	29.86
For Tempered Low-E Insulated Glass, Add	188.11	
<b>08 52 16 00-1089 59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)</b> <small>(08 52 16 00-1049)</small>		
08 52 16 00-1090 EA 35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	594.94	23.97
For Tempered Low-E Insulated Glass, Add	109.40	
08 52 16 00-1091 EA 40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	650.69	25.15
For Tempered Low-E Insulated Glass, Add	120.16	
08 52 16 00-1092 EA 48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	732.54	26.53
For Tempered Low-E Insulated Glass, Add	135.90	
08 52 16 00-1093 EA 52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	786.58	27.31
For Tempered Low-E Insulated Glass, Add	146.39	
08 52 16 00-1094 EA 59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	866.72	28.69
For Tempered Low-E Insulated Glass, Add	161.87	
08 52 16 00-1095 EA 64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	922.47	29.67
For Tempered Low-E Insulated Glass, Add	172.63	
08 52 16 00-1096 EA 71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,002.62	31.04
For Tempered Low-E Insulated Glass, Add	188.11	
<b>08 52 16 00-1097 64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)</b> <small>(08 52 16 00-1049)</small>		
08 52 16 00-1098 EA 35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	650.69	25.15
For Tempered Low-E Insulated Glass, Add	120.16	
08 52 16 00-1099 EA 40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	706.44	25.93
For Tempered Low-E Insulated Glass, Add	130.91	
08 52 16 00-1100 EA 48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	788.29	27.50
For Tempered Low-E Insulated Glass, Add	146.65	
08 52 16 00-1101 EA 52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	842.33	28.29
For Tempered Low-E Insulated Glass, Add	157.15	
08 52 16 00-1102 EA 59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	999.86	29.86
For Tempered Low-E Insulated Glass, Add	188.11	
<b>08 52 16 00-1103 71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)</b> <small>(08 52 16 00-1049)</small>		
08 52 16 00-1104 EA 35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	730.83	26.33
For Tempered Low-E Insulated Glass, Add	135.64	
08 52 16 00-1105 EA 40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	786.58	27.50
For Tempered Low-E Insulated Glass, Add	146.39	
08 52 16 00-1106 EA 48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	868.42	28.88
For Tempered Low-E Insulated Glass, Add	162.13	
08 52 16 00-1107 EA 52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	922.47	29.67
For Tempered Low-E Insulated Glass, Add	172.63	
08 52 16 00-1108 EA 59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,002.62	31.04
For Tempered Low-E Insulated Glass, Add	188.11	
<b>08 52 16 00-1109 Picture Wood Clad Windows For Double Hung Windows</b> <small>(08 52 16 00-0987)</small>		
<b>08 52 16 00-1110 Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series)</b> <small>(08 52 16 00-1109)</small>		
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-1111 35-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series)</b> <small>(08 52 16 00-1110)</small>		
08 52 16 00-1112 EA 56-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) .....	345.51	24.56
For Tempered Clear Insulated Glass, Add	59.28	
08 52 16 00-1113 EA 59-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) .....	354.83	25.15
For Tempered Clear Insulated Glass, Add	60.91	
<b>08 52 16 00-1114 47-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series)</b> <small>(08 52 16 00-1110)</small>		

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1115 EA 47-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) .....	354.83	25.15
For Tempered Clear Insulated Glass, Add	60.91	
08 52 16 00-1116 EA 71-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) .....	431.67	29.86
For Tempered Clear Insulated Glass, Add	74.39	
<b>08 52 16 00-1117 53-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-1110)</b>		
08 52 16 00-1118 EA 56-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) .....	403.72	28.10
For Tempered Clear Insulated Glass, Add	69.51	
08 52 16 00-1119 EA 59-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) .....	413.04	28.69
For Tempered Clear Insulated Glass, Add	71.13	
<b>08 52 16 00-1120 56-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-1110)</b>		
08 52 16 00-1121 EA 35-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) .....	345.51	24.76
For Tempered Clear Insulated Glass, Add	59.28	
08 52 16 00-1122 EA 53-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) .....	403.72	28.10
For Tempered Clear Insulated Glass, Add	69.51	
<b>08 52 16 00-1123 59-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-1110)</b>		
08 52 16 00-1124 EA 35-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) .....	354.83	25.15
For Tempered Clear Insulated Glass, Add	60.91	
08 52 16 00-1125 EA 53-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) .....	413.04	28.69
For Tempered Clear Insulated Glass, Add	71.13	
08 52 16 00-1126 EA 59-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) .....	431.67	29.86
For Tempered Clear Insulated Glass, Add	74.39	
08 52 16 00-1127 EA 65-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) .....	451.47	31.04
For Tempered Clear Insulated Glass, Add	77.88	
<b>08 52 16 00-1128 65-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-1110)</b>		
08 52 16 00-1129 EA 59-1/2" x 65-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) .....	451.47	31.04
For Tempered Clear Insulated Glass, Add	77.88	
<b>08 52 16 00-1130 71-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) (08 52 16 00-1110)</b>		
08 52 16 00-1131 EA 47-1/2" x 71-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) .....	431.67	29.86
For Tempered Clear Insulated Glass, Add	74.39	
<b>08 52 16 00-1132 Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-1109)</b>		
Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-1133 48-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-1132)</b>		
08 52 16 00-1134 EA 12" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	400.74	18.47
For Tempered Low-E Insulated Glass, Add	72.76	
08 52 16 00-1135 EA 37-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	563.99	23.58
For Tempered Low-E Insulated Glass, Add	103.45	
08 52 16 00-1136 EA 41-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	588.81	24.17
For Tempered Low-E Insulated Glass, Add	108.10	
08 52 16 00-1137 EA 47-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	626.04	25.34
For Tempered Low-E Insulated Glass, Add	115.07	
08 52 16 00-1138 EA 51-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	650.86	26.33
For Tempered Low-E Insulated Glass, Add	119.72	
08 52 16 00-1139 EA 59-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	701.66	27.71
For Tempered Low-E Insulated Glass, Add	129.25	
08 52 16 00-1140 EA 67-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	752.45	29.47
For Tempered Low-E Insulated Glass, Add	138.78	
<b>08 52 16 00-1141 52-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) (08 52 16 00-1132)</b>		
08 52 16 00-1142 EA 12" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	426.72	19.25
For Tempered Low-E Insulated Glass, Add	77.64	
08 52 16 00-1143 EA 37-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	588.81	24.36
For Tempered Low-E Insulated Glass, Add	108.10	
08 52 16 00-1144 EA 41-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	614.80	24.95
For Tempered Low-E Insulated Glass, Add	112.98	
08 52 16 00-1145 EA 47-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) .....	650.86	26.13
For Tempered Low-E Insulated Glass, Add	119.72	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1146	EA		51-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	676.84 124.60	27.12
08 52 16 00-1147	EA		59-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	727.64 134.13	28.49
08 52 16 00-1148	EA		67-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	778.43 143.66	30.26
<b>08 52 16 00-1149</b>			<b>56-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) <small>(08 52 16 00-1132)</small></b>		
08 52 16 00-1150	EA		12" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	451.54 82.29	20.04
08 52 16 00-1151	EA		37-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	614.80 112.98	25.15
08 52 16 00-1152	EA		41-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	639.61 117.63	25.74
08 52 16 00-1153	EA		47-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	676.84 124.60	26.91
08 52 16 00-1154	EA		51-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	701.66 129.25	27.90
08 52 16 00-1155	EA		59-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	752.45 138.78	29.28
08 52 16 00-1156	EA		67-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	804.42 148.54	31.04
<b>08 52 16 00-1157</b>			<b>60-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) <small>(08 52 16 00-1132)</small></b>		
08 52 16 00-1158	EA		12" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	477.52 87.17	20.82
08 52 16 00-1159	EA		37-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	639.61 117.63	25.93
08 52 16 00-1160	EA		41-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	665.59 122.51	26.53
08 52 16 00-1161	EA		47-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	701.66 129.25	27.71
08 52 16 00-1162	EA		51-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	727.64 134.13	28.69
08 52 16 00-1163	EA		59-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	778.43 143.66	30.06
08 52 16 00-1164	EA		67-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	829.24 153.19	31.83
<b>08 52 16 00-1165</b>			<b>64-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) <small>(08 52 16 00-1132)</small></b>		
08 52 16 00-1166	EA		12" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	502.34 91.82	21.61
08 52 16 00-1167	EA		37-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	665.59 122.51	26.72
08 52 16 00-1168	EA		41-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	691.57 127.39	27.31
08 52 16 00-1169	EA		47-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	727.64 134.13	28.49
08 52 16 00-1170	EA		51-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	752.45 138.78	29.47
08 52 16 00-1171	EA		59-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	804.42 148.54	30.85
08 52 16 00-1172	EA		67-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	855.21 158.07	32.61
<b>08 52 16 00-1173</b>			<b>68-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) <small>(08 52 16 00-1132)</small></b>		
08 52 16 00-1174	EA		12" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	528.32 96.70	22.40
08 52 16 00-1175	EA		37-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	691.57 127.39	27.50
08 52 16 00-1176	EA		41-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	716.38 132.04	28.10
08 52 16 00-1177	EA		47-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	752.45 138.78	29.28
08 52 16 00-1178	EA		51-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	778.43 143.66	30.26
08 52 16 00-1179	EA		59-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	829.24 153.19	31.63
08 52 16 00-1180	EA		67-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	880.03 162.72	33.40

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1181		<b>72-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series)</b> (08 52 16 00-1132)		
08 52 16 00-1182	EA	12" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	553.14 101.35	23.18
08 52 16 00-1183	EA	37-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	716.38 132.04	28.29
08 52 16 00-1184	EA	41-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	742.36 136.92	28.88
08 52 16 00-1185	EA	47-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	778.43 143.66	30.06
08 52 16 00-1186	EA	51-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	804.42 148.54	31.04
08 52 16 00-1187	EA	59-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	855.21 158.07	32.42
08 52 16 00-1188	EA	67-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	906.01 167.61	34.18
08 52 16 00-1189		<b>76-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series)</b> (08 52 16 00-1132)		
08 52 16 00-1190	EA	12" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	579.12 106.24	23.97
08 52 16 00-1191	EA	37-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	742.36 136.92	29.07
08 52 16 00-1192	EA	41-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	767.18 141.57	29.67
08 52 16 00-1193	EA	47-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	804.42 148.54	30.85
08 52 16 00-1194	EA	51-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	829.24 153.19	31.83
08 52 16 00-1195	EA	59-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	880.03 162.72	33.21
08 52 16 00-1196	EA	67-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	930.83 172.26	34.97
08 52 16 00-1197		<b>Picture Wood Clad Windows For Horizontal Sliding Windows</b> (08 52 16 00-0987)		
08 52 16 00-1198		<b>Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series)</b> (08 52 16 00-1197) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-1199		<b>35-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series)</b> (08 52 16 00-1198)		
08 52 16 00-1200	EA	56-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	345.51 59.28	24.56
08 52 16 00-1201	EA	59-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	354.83 60.91	25.15
08 52 16 00-1202		<b>47-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series)</b> (08 52 16 00-1198)		
08 52 16 00-1203	EA	47-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	354.83 60.91	25.15
08 52 16 00-1204	EA	71-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	431.67 74.39	29.86
08 52 16 00-1205		<b>53-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series)</b> (08 52 16 00-1198)		
08 52 16 00-1206	EA	56-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	403.72 69.51	28.10
08 52 16 00-1207	EA	59-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	413.04 71.13	28.69
08 52 16 00-1208		<b>56-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series)</b> (08 52 16 00-1198)		
08 52 16 00-1209	EA	35-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	345.51 59.28	24.76
08 52 16 00-1210	EA	53-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	403.72 69.51	28.10
08 52 16 00-1211		<b>59-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series)</b> (08 52 16 00-1198)		
08 52 16 00-1212	EA	35-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	354.83 60.91	25.15



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Wood Windows	08 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1213	EA		53-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	413.04 71.13	28.69
08 52 16 00-1214	EA		59-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	431.67 74.39	29.86
08 52 16 00-1215	EA		65-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	451.47 77.88	31.04
<b>08 52 16 00-1216</b>			<b>65-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1198)</b>		
08 52 16 00-1217	EA		59-1/2" x 65-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	451.47 77.88	31.04
<b>08 52 16 00-1218</b>			<b>71-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) (08 52 16 00-1198)</b>		
08 52 16 00-1219	EA		47-1/2" x 71-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	431.67 74.39	29.86
<b>08 52 16 00-1220</b>			<b>Basement Wood Clad Windows (08 52 16)</b>		
<b>08 52 16 00-1221</b>			<b>Basement Wood Clad Windows (Andersen 400 Series) (08 52 16 00-1220)</b> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware, Low-E insulated glass and insect screens. Excludes grilles.		
08 52 16 00-1222	EA		32-1/4" x 15-3/4", Basement Wood Clad Window (Andersen 400 Series).....	178.22	15.72
08 52 16 00-1223	EA		32-1/4" x 19-3/4", Basement Wood Clad Window (Andersen 400 Series).....	189.25	15.72
08 52 16 00-1224	EA		32-1/4" x 23-3/4", Basement Wood Clad Window (Andersen 400 Series).....	198.95	15.72
<b>08 52 16 00-1225</b>			<b>Factory Installed Grilles For Wood Clad Windows (08 52 16)</b>		
<b>08 52 16 00-1226</b>			<b>Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows (08 52 16 00-1225)</b>		
08 52 16 00-1227	EA		Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	28.68	
08 52 16 00-1228	EA		>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	42.27	
08 52 16 00-1229	EA		>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	57.36	
08 52 16 00-1230	EA		>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	72.46	
08 52 16 00-1231	EA		>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	102.65	
<b>08 52 16 00-1232</b>			<b>Fixed Exterior And Removable Interior Grilles, Factory Installed Grilles For Wood Clad Windows (08 52 16 00-1225)</b>		
08 52 16 00-1233	EA		Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	45.89	
08 52 16 00-1234	EA		>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	67.63	
08 52 16 00-1235	EA		>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	91.78	
08 52 16 00-1236	EA		>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	115.93	
08 52 16 00-1237	EA		>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows.....	164.23	
<b>08 52 16 00-1238</b>			<b>Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows (08 52 16 00-1225)</b>		
08 52 16 00-1239	EA		Up To 9 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	55.07	
08 52 16 00-1240	EA		>9 To 18 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	81.15	
08 52 16 00-1241	EA		>18 To 24 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	110.13	
08 52 16 00-1242	EA		>24 To 36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	139.12	
08 52 16 00-1243	EA		>36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows.....	197.08	
<b>08 52 16 00-1244</b>			<b>Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows (08 52 16 00-1225)</b>		
08 52 16 00-1245	EA		Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows.....	66.09	
08 52 16 00-1246	EA		>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows.....	97.38	
08 52 16 00-1247	EA		>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows.....	132.16	
08 52 16 00-1248	EA		>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows.....	166.94	
08 52 16 00-1249	EA		>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows.....	236.49	

**08 Openings****08 50 Windows****08 52 Wood Windows**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**08 52 66 Wood Window Screens** (08 52)

08 52 66 00-0001	Insect Screens For Wood Clad Windows	(08 52 66)		
08 52 66 00-0002	EA Up To 6 SF, Insect Screen For Wood Clad Windows		28.68	3.89
08 52 66 00-0003	EA >6 To 9 SF, Insect Screen For Wood Clad Windows		34.65	3.89
08 52 66 00-0004	EA >9 To 12 SF, Insect Screen For Wood Clad Windows		37.64	3.89
08 52 66 00-0005	EA >12 To 15 SF, Insect Screen For Wood Clad Windows		43.61	3.89
08 52 66 00-0006	EA >15 To 20 SF, Insect Screen For Wood Clad Windows		55.55	3.89
08 52 66 00-0007	EA >20 To 25 SF, Insect Screen For Wood Clad Windows		61.52	3.89
08 52 66 00-0008	EA >25 To 30 SF, Insect Screen For Wood Clad Windows		67.49	3.89
08 52 66 00-0009	EA >30 To 35 SF, Insect Screen For Wood Clad Windows		73.45	3.89
08 52 66 00-0010	SF >35 SF, Insect Screen For Wood Clad Windows		2.24	0.08

**08 53 Plastic Windows** (08 50)**08 53 13 Vinyl Windows** (08 53)

08 53 13 00-0001	Single Hung Vinyl Windows	(08 53 13)		
08 53 13 00-0002	New Construction, Single Hung Vinyl Windows (Silver Line 2200)	(08 53 13 00-0001)		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.				
08 53 13 00-0003	34" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)	(08 53 13 00-0002)		
08 53 13 00-0004	EA 24" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)		141.35	18.07
	For Colored Vinyl, Add		10.52	
	For Tinted Glass, Add		12.62	
	For Low-E Insulated Glass, Add		26.30	
	For Obscure Glass, Add		28.93	
08 53 13 00-0005	EA 28" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)		148.78	18.87
	For Colored Vinyl, Add		11.11	
	For Tinted Glass, Add		13.33	
	For Low-E Insulated Glass, Add		27.77	
	For Obscure Glass, Add		30.54	
08 53 13 00-0006	EA 30" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)		151.84	19.25
	For Colored Vinyl, Add		11.33	
	For Tinted Glass, Add		13.60	
	For Low-E Insulated Glass, Add		28.33	
	For Obscure Glass, Add		31.17	
08 53 13 00-0007	EA 32" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)		155.18	19.65
	For Colored Vinyl, Add		11.59	
	For Tinted Glass, Add		13.91	
	For Low-E Insulated Glass, Add		28.97	
	For Obscure Glass, Add		31.87	
08 53 13 00-0008	EA 36" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)		163.92	20.44
	For Colored Vinyl, Add		12.31	
	For Tinted Glass, Add		14.77	
	For Low-E Insulated Glass, Add		30.77	
	For Obscure Glass, Add		33.84	
08 53 13 00-0009	EA 44" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)		177.91	22.01
	For Colored Vinyl, Add		13.39	
	For Tinted Glass, Add		16.07	
	For Low-E Insulated Glass, Add		33.47	
	For Obscure Glass, Add		36.82	
08 53 13 00-0010	36" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)	(08 53 13 00-0002)		
08 53 13 00-0011	EA 24" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)		144.21	18.47
	For Colored Vinyl, Add		10.73	
	For Tinted Glass, Add		12.87	
	For Low-E Insulated Glass, Add		26.82	
	For Obscure Glass, Add		29.50	
08 53 13 00-0012	EA 28" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)		151.64	18.87
	For Colored Vinyl, Add		11.31	
	For Tinted Glass, Add		13.58	
	For Low-E Insulated Glass, Add		28.28	
	For Obscure Glass, Add		31.11	
08 53 13 00-0013	EA 30" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)		154.68	19.65
	For Colored Vinyl, Add		11.54	
	For Tinted Glass, Add		13.85	
	For Low-E Insulated Glass, Add		28.85	
	For Obscure Glass, Add		31.73	
08 53 13 00-0014	EA 32" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)		158.03	20.04
	For Colored Vinyl, Add		11.80	
	For Tinted Glass, Add		14.15	
	For Low-E Insulated Glass, Add		29.49	
	For Obscure Glass, Add		32.44	
08 53 13 00-0015	EA 36" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)		166.77	20.82
	For Colored Vinyl, Add		12.51	
	For Tinted Glass, Add		15.01	
	For Low-E Insulated Glass, Add		31.28	
	For Obscure Glass, Add		34.41	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0016 EA 44" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	180.76	22.40
For Colored Vinyl, Add	13.60	
For Tinted Glass, Add	16.32	
For Low-E Insulated Glass, Add	33.99	
For Obscure Glass, Add	37.39	
<b>08 53 13 00-0017 38" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>		
08 53 13 00-0018 EA 24" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	146.95	18.87
For Colored Vinyl, Add	10.92	
For Tinted Glass, Add	13.11	
For Low-E Insulated Glass, Add	27.31	
For Obscure Glass, Add	30.04	
08 53 13 00-0019 EA 28" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	154.38	19.65
For Colored Vinyl, Add	11.51	
For Tinted Glass, Add	13.81	
For Low-E Insulated Glass, Add	28.77	
For Obscure Glass, Add	31.65	
08 53 13 00-0020 EA 30" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	157.57	20.04
For Colored Vinyl, Add	11.75	
For Tinted Glass, Add	14.10	
For Low-E Insulated Glass, Add	29.37	
For Obscure Glass, Add	32.31	
08 53 13 00-0021 EA 32" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	160.91	20.44
For Colored Vinyl, Add	12.01	
For Tinted Glass, Add	14.41	
For Low-E Insulated Glass, Add	30.01	
For Obscure Glass, Add	33.01	
08 53 13 00-0022 EA 36" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	169.80	21.22
For Colored Vinyl, Add	12.74	
For Tinted Glass, Add	15.28	
For Low-E Insulated Glass, Add	31.84	
For Obscure Glass, Add	35.03	
08 53 13 00-0023 EA 44" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	183.99	22.79
For Colored Vinyl, Add	13.84	
For Tinted Glass, Add	16.61	
For Low-E Insulated Glass, Add	34.60	
For Obscure Glass, Add	38.06	
<b>08 53 13 00-0024 44" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>		
08 53 13 00-0025 EA 24" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	155.39	20.04
For Colored Vinyl, Add	11.53	
For Tinted Glass, Add	13.84	
For Low-E Insulated Glass, Add	28.83	
For Obscure Glass, Add	31.71	
08 53 13 00-0026 EA 28" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	162.82	20.82
For Colored Vinyl, Add	12.12	
For Tinted Glass, Add	14.54	
For Low-E Insulated Glass, Add	30.29	
For Obscure Glass, Add	33.32	
08 53 13 00-0027 EA 30" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	166.43	21.22
For Colored Vinyl, Add	12.40	
For Tinted Glass, Add	14.88	
For Low-E Insulated Glass, Add	31.00	
For Obscure Glass, Add	34.10	
08 53 13 00-0028 EA 32" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	169.79	21.61
For Colored Vinyl, Add	12.66	
For Tinted Glass, Add	15.19	
For Low-E Insulated Glass, Add	31.64	
For Obscure Glass, Add	34.80	
08 53 13 00-0029 EA 36" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	179.10	22.40
For Colored Vinyl, Add	13.43	
For Tinted Glass, Add	16.12	
For Low-E Insulated Glass, Add	33.58	
For Obscure Glass, Add	36.93	
08 53 13 00-0030 EA 44" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	193.82	23.97
For Colored Vinyl, Add	14.59	
For Tinted Glass, Add	17.51	
For Low-E Insulated Glass, Add	36.47	
For Obscure Glass, Add	40.12	
<b>08 53 13 00-0031 46" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>		
08 53 13 00-0032 EA 24" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	158.23	20.44
For Colored Vinyl, Add	11.74	
For Tinted Glass, Add	14.08	
For Low-E Insulated Glass, Add	29.34	
For Obscure Glass, Add	32.28	



**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0033	EA		28" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	165.67	21.22
			<i>For Colored Vinyl, Add</i>	12.32	
			<i>For Tinted Glass, Add</i>	14.79	
			<i>For Low-E Insulated Glass, Add</i>	30.81	
			<i>For Obscure Glass, Add</i>	33.89	
08 53 13 00-0034	EA		30" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	169.42	21.61
			<i>For Colored Vinyl, Add</i>	12.62	
			<i>For Tinted Glass, Add</i>	15.14	
			<i>For Low-E Insulated Glass, Add</i>	31.55	
			<i>For Obscure Glass, Add</i>	34.70	
08 53 13 00-0035	EA		32" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	172.77	22.01
			<i>For Colored Vinyl, Add</i>	12.88	
			<i>For Tinted Glass, Add</i>	15.45	
			<i>For Low-E Insulated Glass, Add</i>	32.19	
			<i>For Obscure Glass, Add</i>	35.41	
08 53 13 00-0036	EA		36" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	182.22	22.79
			<i>For Colored Vinyl, Add</i>	13.66	
			<i>For Tinted Glass, Add</i>	16.40	
			<i>For Low-E Insulated Glass, Add</i>	34.16	
			<i>For Obscure Glass, Add</i>	37.57	
08 53 13 00-0037	EA		44" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	197.14	24.36
			<i>For Colored Vinyl, Add</i>	14.84	
			<i>For Tinted Glass, Add</i>	17.81	
			<i>For Low-E Insulated Glass, Add</i>	37.10	
			<i>For Obscure Glass, Add</i>	40.81	
<b>08 53 13 00-0038 48" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>					
08 53 13 00-0039	EA		24" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	161.12	20.82
			<i>For Colored Vinyl, Add</i>	11.95	
			<i>For Tinted Glass, Add</i>	14.34	
			<i>For Low-E Insulated Glass, Add</i>	29.87	
			<i>For Obscure Glass, Add</i>	32.85	
08 53 13 00-0040	EA		28" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	168.57	21.61
			<i>For Colored Vinyl, Add</i>	12.53	
			<i>For Tinted Glass, Add</i>	15.04	
			<i>For Low-E Insulated Glass, Add</i>	31.34	
			<i>For Obscure Glass, Add</i>	34.47	
08 53 13 00-0041	EA		30" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	172.44	22.01
			<i>For Colored Vinyl, Add</i>	12.84	
			<i>For Tinted Glass, Add</i>	15.41	
			<i>For Low-E Insulated Glass, Add</i>	32.11	
			<i>For Obscure Glass, Add</i>	35.32	
08 53 13 00-0042	EA		32" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	175.78	22.40
			<i>For Colored Vinyl, Add</i>	13.10	
			<i>For Tinted Glass, Add</i>	15.72	
			<i>For Low-E Insulated Glass, Add</i>	32.75	
			<i>For Obscure Glass, Add</i>	36.02	
08 53 13 00-0043	EA		36" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	185.38	23.18
			<i>For Colored Vinyl, Add</i>	13.90	
			<i>For Tinted Glass, Add</i>	16.68	
			<i>For Low-E Insulated Glass, Add</i>	34.75	
			<i>For Obscure Glass, Add</i>	38.23	
08 53 13 00-0044	EA		44" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	200.48	24.76
			<i>For Colored Vinyl, Add</i>	15.10	
			<i>For Tinted Glass, Add</i>	18.12	
			<i>For Low-E Insulated Glass, Add</i>	37.74	
			<i>For Obscure Glass, Add</i>	41.52	
<b>08 53 13 00-0045 50" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>					
08 53 13 00-0046	EA		24" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	163.87	21.22
			<i>For Colored Vinyl, Add</i>	12.14	
			<i>For Tinted Glass, Add</i>	14.57	
			<i>For Low-E Insulated Glass, Add</i>	30.36	
			<i>For Obscure Glass, Add</i>	33.40	
08 53 13 00-0047	EA		28" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	171.32	22.01
			<i>For Colored Vinyl, Add</i>	12.73	
			<i>For Tinted Glass, Add</i>	15.28	
			<i>For Low-E Insulated Glass, Add</i>	31.83	
			<i>For Obscure Glass, Add</i>	35.01	
08 53 13 00-0048	EA		30" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	175.34	22.40
			<i>For Colored Vinyl, Add</i>	13.05	
			<i>For Tinted Glass, Add</i>	15.66	
			<i>For Low-E Insulated Glass, Add</i>	32.64	
			<i>For Obscure Glass, Add</i>	35.90	
08 53 13 00-0049	EA		32" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	178.69	22.79
			<i>For Colored Vinyl, Add</i>	13.31	
			<i>For Tinted Glass, Add</i>	15.97	
			<i>For Low-E Insulated Glass, Add</i>	33.28	
			<i>For Obscure Glass, Add</i>	36.60	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0050	EA		36" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	188.42	23.58
			<i>For Colored Vinyl, Add</i>	14.13	
			<i>For Tinted Glass, Add</i>	16.95	
			<i>For Low-E Insulated Glass, Add</i>	35.32	
			<i>For Obscure Glass, Add</i>	38.85	
08 53 13 00-0051	EA		44" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	203.70	25.15
			<i>For Colored Vinyl, Add</i>	15.34	
			<i>For Tinted Glass, Add</i>	18.41	
			<i>For Low-E Insulated Glass, Add</i>	38.35	
			<i>For Obscure Glass, Add</i>	42.19	
<b>08 53 13 00-0052</b>			<b>52" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>		
08 53 13 00-0053	EA		24" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	166.65	21.61
			<i>For Colored Vinyl, Add</i>	12.34	
			<i>For Tinted Glass, Add</i>	14.81	
			<i>For Low-E Insulated Glass, Add</i>	30.86	
			<i>For Obscure Glass, Add</i>	33.94	
08 53 13 00-0054	EA		28" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	174.08	22.40
			<i>For Colored Vinyl, Add</i>	12.93	
			<i>For Tinted Glass, Add</i>	15.51	
			<i>For Low-E Insulated Glass, Add</i>	32.32	
			<i>For Obscure Glass, Add</i>	35.55	
08 53 13 00-0055	EA		30" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	178.26	22.79
			<i>For Colored Vinyl, Add</i>	13.27	
			<i>For Tinted Glass, Add</i>	15.92	
			<i>For Low-E Insulated Glass, Add</i>	33.17	
			<i>For Obscure Glass, Add</i>	36.48	
08 53 13 00-0056	EA		32" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	181.60	23.18
			<i>For Colored Vinyl, Add</i>	13.52	
			<i>For Tinted Glass, Add</i>	16.23	
			<i>For Low-E Insulated Glass, Add</i>	33.81	
			<i>For Obscure Glass, Add</i>	37.19	
08 53 13 00-0057	EA		36" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	191.48	23.97
			<i>For Colored Vinyl, Add</i>	14.35	
			<i>For Tinted Glass, Add</i>	17.22	
			<i>For Low-E Insulated Glass, Add</i>	35.89	
			<i>For Obscure Glass, Add</i>	39.47	
08 53 13 00-0058	EA		44" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	206.94	25.55
			<i>For Colored Vinyl, Add</i>	15.59	
			<i>For Tinted Glass, Add</i>	18.70	
			<i>For Low-E Insulated Glass, Add</i>	38.97	
			<i>For Obscure Glass, Add</i>	42.86	
<b>08 53 13 00-0059</b>			<b>54" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>		
08 53 13 00-0060	EA		24" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	169.42	22.01
			<i>For Colored Vinyl, Add</i>	12.54	
			<i>For Tinted Glass, Add</i>	15.05	
			<i>For Low-E Insulated Glass, Add</i>	31.35	
			<i>For Obscure Glass, Add</i>	34.49	
08 53 13 00-0061	EA		28" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	176.86	22.79
			<i>For Colored Vinyl, Add</i>	13.13	
			<i>For Tinted Glass, Add</i>	15.75	
			<i>For Low-E Insulated Glass, Add</i>	32.82	
			<i>For Obscure Glass, Add</i>	36.10	
08 53 13 00-0062	EA		30" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	181.15	23.18
			<i>For Colored Vinyl, Add</i>	13.48	
			<i>For Tinted Glass, Add</i>	16.17	
			<i>For Low-E Insulated Glass, Add</i>	33.70	
			<i>For Obscure Glass, Add</i>	37.06	
08 53 13 00-0063	EA		32" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	184.50	23.58
			<i>For Colored Vinyl, Add</i>	13.73	
			<i>For Tinted Glass, Add</i>	16.48	
			<i>For Low-E Insulated Glass, Add</i>	34.34	
			<i>For Obscure Glass, Add</i>	37.77	
08 53 13 00-0064	EA		36" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	194.51	24.36
			<i>For Colored Vinyl, Add</i>	14.58	
			<i>For Tinted Glass, Add</i>	17.49	
			<i>For Low-E Insulated Glass, Add</i>	36.45	
			<i>For Obscure Glass, Add</i>	40.09	
08 53 13 00-0065	EA		44" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	210.16	25.93
			<i>For Colored Vinyl, Add</i>	15.83	
			<i>For Tinted Glass, Add</i>	18.99	
			<i>For Low-E Insulated Glass, Add</i>	39.57	
			<i>For Obscure Glass, Add</i>	43.53	
<b>08 53 13 00-0066</b>			<b>60" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>		

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0067	EA		24" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	177.97	23.18
			For Colored Vinyl, Add	13.16	
			For Tinted Glass, Add	15.79	
			For Low-E Insulated Glass, Add	32.90	
			For Obscure Glass, Add	36.19	
08 53 13 00-0068	EA		28" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	185.40	23.97
			For Colored Vinyl, Add	13.75	
			For Tinted Glass, Add	16.50	
			For Low-E Insulated Glass, Add	34.37	
			For Obscure Glass, Add	37.80	
08 53 13 00-0069	EA		30" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	190.10	24.36
			For Colored Vinyl, Add	14.14	
			For Tinted Glass, Add	16.96	
			For Low-E Insulated Glass, Add	35.34	
			For Obscure Glass, Add	38.88	
08 53 13 00-0070	EA		32" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	193.44	24.76
			For Colored Vinyl, Add	14.39	
			For Tinted Glass, Add	17.27	
			For Low-E Insulated Glass, Add	35.98	
			For Obscure Glass, Add	39.58	
08 53 13 00-0071	EA		36" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	203.88	25.55
			For Colored Vinyl, Add	15.28	
			For Tinted Glass, Add	18.34	
			For Low-E Insulated Glass, Add	38.20	
			For Obscure Glass, Add	42.02	
08 53 13 00-0072	EA		44" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	220.09	27.12
			For Colored Vinyl, Add	16.59	
			For Tinted Glass, Add	19.90	
			For Low-E Insulated Glass, Add	41.47	
			For Obscure Glass, Add	45.61	
<b>08 53 13 00-0073</b>			<b>62" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>		
08 53 13 00-0074	EA		24" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	180.74	23.58
			For Colored Vinyl, Add	13.36	
			For Tinted Glass, Add	16.03	
			For Low-E Insulated Glass, Add	33.40	
			For Obscure Glass, Add	36.73	
08 53 13 00-0075	EA		28" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	188.17	24.36
			For Colored Vinyl, Add	13.94	
			For Tinted Glass, Add	16.73	
			For Low-E Insulated Glass, Add	34.86	
			For Obscure Glass, Add	38.35	
08 53 13 00-0076	EA		30" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	193.03	24.76
			For Colored Vinyl, Add	14.35	
			For Tinted Glass, Add	17.22	
			For Low-E Insulated Glass, Add	35.88	
			For Obscure Glass, Add	39.47	
08 53 13 00-0077	EA		32" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	196.38	25.15
			For Colored Vinyl, Add	14.61	
			For Tinted Glass, Add	17.53	
			For Low-E Insulated Glass, Add	36.52	
			For Obscure Glass, Add	40.17	
08 53 13 00-0078	EA		36" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	206.95	25.93
			For Colored Vinyl, Add	15.51	
			For Tinted Glass, Add	18.61	
			For Low-E Insulated Glass, Add	38.77	
			For Obscure Glass, Add	42.65	
08 53 13 00-0079	EA		44" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	223.37	27.50
			For Colored Vinyl, Add	16.84	
			For Tinted Glass, Add	20.20	
			For Low-E Insulated Glass, Add	42.09	
			For Obscure Glass, Add	46.30	
<b>08 53 13 00-0080</b>			<b>66" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>		
08 53 13 00-0081	EA		24" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	186.37	24.36
			For Colored Vinyl, Add	13.76	
			For Tinted Glass, Add	16.52	
			For Low-E Insulated Glass, Add	34.41	
			For Obscure Glass, Add	37.85	
08 53 13 00-0082	EA		28" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	193.80	25.15
			For Colored Vinyl, Add	14.35	
			For Tinted Glass, Add	17.22	
			For Low-E Insulated Glass, Add	35.88	
			For Obscure Glass, Add	39.46	
08 53 13 00-0083	EA		30" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	198.93	25.55
			For Colored Vinyl, Add	14.79	
			For Tinted Glass, Add	17.74	
			For Low-E Insulated Glass, Add	36.96	
			For Obscure Glass, Add	40.66	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0084	EA		32" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	202.28	25.93
			For Colored Vinyl, Add	15.04	
			For Tinted Glass, Add	18.05	
			For Low-E Insulated Glass, Add	37.60	
			For Obscure Glass, Add	41.36	
08 53 13 00-0085	EA		36" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	213.15	26.72
			For Colored Vinyl, Add	15.97	
			For Tinted Glass, Add	19.17	
			For Low-E Insulated Glass, Add	39.93	
			For Obscure Glass, Add	43.92	
08 53 13 00-0086	EA		44" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	229.91	28.29
			For Colored Vinyl, Add	17.33	
			For Tinted Glass, Add	20.80	
			For Low-E Insulated Glass, Add	43.33	
			For Obscure Glass, Add	47.66	
<b>08 53 13 00-0087</b>			<b>72" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>		
08 53 13 00-0088	EA		24" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	194.92	25.55
			For Colored Vinyl, Add	14.38	
			For Tinted Glass, Add	17.26	
			For Low-E Insulated Glass, Add	35.96	
			For Obscure Glass, Add	39.56	
08 53 13 00-0089	EA		28" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	202.35	26.33
			For Colored Vinyl, Add	14.97	
			For Tinted Glass, Add	17.96	
			For Low-E Insulated Glass, Add	37.43	
			For Obscure Glass, Add	41.17	
08 53 13 00-0090	EA		30" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	207.48	26.72
			For Colored Vinyl, Add	15.40	
			For Tinted Glass, Add	18.48	
			For Low-E Insulated Glass, Add	38.51	
			For Obscure Glass, Add	42.36	
08 53 13 00-0091	EA		32" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	210.82	27.12
			For Colored Vinyl, Add	15.66	
			For Tinted Glass, Add	18.79	
			For Low-E Insulated Glass, Add	39.15	
			For Obscure Glass, Add	43.07	
08 53 13 00-0092	EA		36" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	221.70	27.90
			For Colored Vinyl, Add	16.59	
			For Tinted Glass, Add	19.91	
			For Low-E Insulated Glass, Add	41.48	
			For Obscure Glass, Add	45.62	
08 53 13 00-0093	EA		44" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	238.46	29.47
			For Colored Vinyl, Add	17.95	
			For Tinted Glass, Add	21.54	
			For Low-E Insulated Glass, Add	44.88	
			For Obscure Glass, Add	49.37	
<b>08 53 13 00-0094</b>			<b>Replacement, Single Hung Vinyl Windows (Silver Line 2000)</b> <small>(08 53 13 00-0001)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0095	EA		Up To 73" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000) .....	210.07	20.63
			For Colored Vinyl, Add	16.88	
			For Tinted Glass, Add	20.26	
			For Low-E Insulated Glass, Add	42.20	
			For Obscure Glass, Add	46.42	
08 53 13 00-0096	EA		>73" To 83" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000) .....	230.27	22.60
			For Colored Vinyl, Add	18.51	
			For Tinted Glass, Add	22.21	
			For Low-E Insulated Glass, Add	46.27	
			For Obscure Glass, Add	50.90	
08 53 13 00-0097	EA		>83" To 93" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000) .....	248.82	24.56
			For Colored Vinyl, Add	19.97	
			For Tinted Glass, Add	23.96	
			For Low-E Insulated Glass, Add	49.93	
			For Obscure Glass, Add	54.92	
08 53 13 00-0098	EA		>93" To 101" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000) .....	261.58	26.53
			For Colored Vinyl, Add	20.85	
			For Tinted Glass, Add	25.02	
			For Low-E Insulated Glass, Add	52.13	
			For Obscure Glass, Add	57.35	
08 53 13 00-0099	EA		>101" To 110" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000) .....	275.01	28.49
			For Colored Vinyl, Add	21.80	
			For Tinted Glass, Add	26.16	
			For Low-E Insulated Glass, Add	54.51	
			For Obscure Glass, Add	59.96	
08 53 13 00-0100	EA		>110" To 120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000) .....	298.76	30.45
			For Colored Vinyl, Add	23.79	
			For Tinted Glass, Add	28.54	
			For Low-E Insulated Glass, Add	59.46	
			For Obscure Glass, Add	65.41	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0101 UI >120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000).....	2.49	0.25
For Colored Vinyl, Add	0.20	
For Tinted Glass, Add	0.24	
For Low-E Insulated Glass, Add	0.50	
For Obscure Glass, Add	0.54	
<b>08 53 13 00-0102 Double Hung Vinyl Windows (08 53 13)</b>		
<b>08 53 13 00-0103 New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0102)</b>		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
<b>08 53 13 00-0104 34" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)</b>		
08 53 13 00-0105 EA 24" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	204.89	18.07
For Colored Vinyl, Add	16.87	
For Tinted Glass, Add	20.25	
For Low-E Insulated Glass, Add	42.19	
For Obscure Glass, Add	46.40	
08 53 13 00-0106 EA 28" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	212.33	18.87
For Colored Vinyl, Add	17.46	
For Tinted Glass, Add	20.95	
For Low-E Insulated Glass, Add	43.65	
For Obscure Glass, Add	48.02	
08 53 13 00-0107 EA 30" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	215.93	19.25
For Colored Vinyl, Add	17.74	
For Tinted Glass, Add	21.29	
For Low-E Insulated Glass, Add	44.36	
For Obscure Glass, Add	48.79	
08 53 13 00-0108 EA 32" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	219.27	19.65
For Colored Vinyl, Add	18.00	
For Tinted Glass, Add	21.60	
For Low-E Insulated Glass, Add	45.00	
For Obscure Glass, Add	49.49	
08 53 13 00-0109 EA 36" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	227.46	20.44
For Colored Vinyl, Add	18.66	
For Tinted Glass, Add	22.39	
For Low-E Insulated Glass, Add	46.65	
For Obscure Glass, Add	51.32	
08 53 13 00-0110 EA 44" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	240.74	22.01
For Colored Vinyl, Add	19.67	
For Tinted Glass, Add	23.61	
For Low-E Insulated Glass, Add	49.18	
For Obscure Glass, Add	54.10	
<b>08 53 13 00-0111 36" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)</b>		
08 53 13 00-0112 EA 24" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	207.75	18.47
For Colored Vinyl, Add	17.08	
For Tinted Glass, Add	20.50	
For Low-E Insulated Glass, Add	42.70	
For Obscure Glass, Add	46.97	
08 53 13 00-0113 EA 28" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	215.18	19.25
For Colored Vinyl, Add	17.67	
For Tinted Glass, Add	21.20	
For Low-E Insulated Glass, Add	44.17	
For Obscure Glass, Add	48.58	
08 53 13 00-0114 EA 30" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	218.77	19.65
For Colored Vinyl, Add	17.95	
For Tinted Glass, Add	21.54	
For Low-E Insulated Glass, Add	44.87	
For Obscure Glass, Add	49.36	
08 53 13 00-0115 EA 32" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	222.12	20.04
For Colored Vinyl, Add	18.20	
For Tinted Glass, Add	21.84	
For Low-E Insulated Glass, Add	45.51	
For Obscure Glass, Add	50.06	
08 53 13 00-0116 EA 36" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	230.31	20.82
For Colored Vinyl, Add	18.87	
For Tinted Glass, Add	22.64	
For Low-E Insulated Glass, Add	47.17	
For Obscure Glass, Add	51.88	
08 53 13 00-0117 EA 44" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	243.59	22.40
For Colored Vinyl, Add	19.88	
For Tinted Glass, Add	23.85	
For Low-E Insulated Glass, Add	49.70	
For Obscure Glass, Add	54.67	
<b>08 53 13 00-0118 38" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) (08 53 13 00-0103)</b>		



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0119	EA		24" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	210.30	18.87
			<i>For Colored Vinyl, Add</i>	17.26	
			<i>For Tinted Glass, Add</i>	20.71	
			<i>For Low-E Insulated Glass, Add</i>	43.15	
			<i>For Obscure Glass, Add</i>	47.46	
08 53 13 00-0120	EA		28" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	217.73	19.65
			<i>For Colored Vinyl, Add</i>	17.84	
			<i>For Tinted Glass, Add</i>	21.41	
			<i>For Low-E Insulated Glass, Add</i>	44.61	
			<i>For Obscure Glass, Add</i>	49.07	
08 53 13 00-0121	EA		30" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	221.44	20.04
			<i>For Colored Vinyl, Add</i>	18.14	
			<i>For Tinted Glass, Add</i>	21.76	
			<i>For Low-E Insulated Glass, Add</i>	45.34	
			<i>For Obscure Glass, Add</i>	49.87	
08 53 13 00-0122	EA		32" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	224.78	20.44
			<i>For Colored Vinyl, Add</i>	18.39	
			<i>For Tinted Glass, Add</i>	22.07	
			<i>For Low-E Insulated Glass, Add</i>	45.98	
			<i>For Obscure Glass, Add</i>	50.58	
08 53 13 00-0123	EA		36" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	233.14	21.22
			<i>For Colored Vinyl, Add</i>	19.07	
			<i>For Tinted Glass, Add</i>	22.89	
			<i>For Low-E Insulated Glass, Add</i>	47.68	
			<i>For Obscure Glass, Add</i>	52.45	
08 53 13 00-0124	EA		44" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	246.59	22.79
			<i>For Colored Vinyl, Add</i>	20.10	
			<i>For Tinted Glass, Add</i>	24.12	
			<i>For Low-E Insulated Glass, Add</i>	50.25	
			<i>For Obscure Glass, Add</i>	55.28	
<b>08 53 13 00-0125</b>			<b>44" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0126	EA		24" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	219.08	20.04
			<i>For Colored Vinyl, Add</i>	17.90	
			<i>For Tinted Glass, Add</i>	21.48	
			<i>For Low-E Insulated Glass, Add</i>	44.75	
			<i>For Obscure Glass, Add</i>	49.23	
08 53 13 00-0127	EA		28" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	226.51	20.82
			<i>For Colored Vinyl, Add</i>	18.49	
			<i>For Tinted Glass, Add</i>	22.18	
			<i>For Low-E Insulated Glass, Add</i>	46.22	
			<i>For Obscure Glass, Add</i>	50.84	
08 53 13 00-0128	EA		30" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	229.54	21.22
			<i>For Colored Vinyl, Add</i>	18.71	
			<i>For Tinted Glass, Add</i>	22.45	
			<i>For Low-E Insulated Glass, Add</i>	46.78	
			<i>For Obscure Glass, Add</i>	51.46	
08 53 13 00-0129	EA		32" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	232.90	21.61
			<i>For Colored Vinyl, Add</i>	18.97	
			<i>For Tinted Glass, Add</i>	22.76	
			<i>For Low-E Insulated Glass, Add</i>	47.42	
			<i>For Obscure Glass, Add</i>	52.16	
08 53 13 00-0130	EA		36" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	241.62	22.40
			<i>For Colored Vinyl, Add</i>	19.68	
			<i>For Tinted Glass, Add</i>	23.62	
			<i>For Low-E Insulated Glass, Add</i>	49.21	
			<i>For Obscure Glass, Add</i>	54.13	
08 53 13 00-0131	EA		44" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	255.88	23.97
			<i>For Colored Vinyl, Add</i>	20.79	
			<i>For Tinted Glass, Add</i>	24.95	
			<i>For Low-E Insulated Glass, Add</i>	51.99	
			<i>For Obscure Glass, Add</i>	57.18	
<b>08 53 13 00-0132</b>			<b>46" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0133	EA		24" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	221.61	20.44
			<i>For Colored Vinyl, Add</i>	18.08	
			<i>For Tinted Glass, Add</i>	21.69	
			<i>For Low-E Insulated Glass, Add</i>	45.19	
			<i>For Obscure Glass, Add</i>	49.71	
08 53 13 00-0134	EA		28" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	229.05	21.22
			<i>For Colored Vinyl, Add</i>	18.66	
			<i>For Tinted Glass, Add</i>	22.39	
			<i>For Low-E Insulated Glass, Add</i>	46.66	
			<i>For Obscure Glass, Add</i>	51.32	
08 53 13 00-0135	EA		30" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	232.27	21.61
			<i>For Colored Vinyl, Add</i>	18.90	
			<i>For Tinted Glass, Add</i>	22.68	
			<i>For Low-E Insulated Glass, Add</i>	47.26	
			<i>For Obscure Glass, Add</i>	51.99	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0136	EA		32" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	235.62	22.01
			<i>For Colored Vinyl, Add</i>	19.16	
			<i>For Tinted Glass, Add</i>	22.99	
			<i>For Low-E Insulated Glass, Add</i>	47.90	
			<i>For Obscure Glass, Add</i>	52.69	
08 53 13 00-0137	EA		36" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	244.46	22.79
			<i>For Colored Vinyl, Add</i>	19.89	
			<i>For Tinted Glass, Add</i>	23.86	
			<i>For Low-E Insulated Glass, Add</i>	49.72	
			<i>For Obscure Glass, Add</i>	54.69	
08 53 13 00-0138	EA		44" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	259.21	24.36
			<i>For Colored Vinyl, Add</i>	21.05	
			<i>For Tinted Glass, Add</i>	25.26	
			<i>For Low-E Insulated Glass, Add</i>	52.62	
			<i>For Obscure Glass, Add</i>	57.88	
<b>08 53 13 00-0139</b>			<b>48" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0140	EA		24" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	224.19	20.82
			<i>For Colored Vinyl, Add</i>	18.25	
			<i>For Tinted Glass, Add</i>	21.90	
			<i>For Low-E Insulated Glass, Add</i>	45.64	
			<i>For Obscure Glass, Add</i>	50.20	
08 53 13 00-0141	EA		28" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	231.63	21.61
			<i>For Colored Vinyl, Add</i>	18.84	
			<i>For Tinted Glass, Add</i>	22.61	
			<i>For Low-E Insulated Glass, Add</i>	47.10	
			<i>For Obscure Glass, Add</i>	51.81	
08 53 13 00-0142	EA		30" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	234.95	22.01
			<i>For Colored Vinyl, Add</i>	19.09	
			<i>For Tinted Glass, Add</i>	22.91	
			<i>For Low-E Insulated Glass, Add</i>	47.73	
			<i>For Obscure Glass, Add</i>	52.51	
08 53 13 00-0143	EA		32" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	238.29	22.40
			<i>For Colored Vinyl, Add</i>	19.35	
			<i>For Tinted Glass, Add</i>	23.22	
			<i>For Low-E Insulated Glass, Add</i>	48.37	
			<i>For Obscure Glass, Add</i>	53.21	
08 53 13 00-0144	EA		36" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	247.29	23.18
			<i>For Colored Vinyl, Add</i>	20.09	
			<i>For Tinted Glass, Add</i>	24.11	
			<i>For Low-E Insulated Glass, Add</i>	50.23	
			<i>For Obscure Glass, Add</i>	55.25	
08 53 13 00-0145	EA		44" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	262.47	24.76
			<i>For Colored Vinyl, Add</i>	21.30	
			<i>For Tinted Glass, Add</i>	25.56	
			<i>For Low-E Insulated Glass, Add</i>	53.24	
			<i>For Obscure Glass, Add</i>	58.56	
<b>08 53 13 00-0146</b>			<b>50" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0147	EA		24" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	226.72	21.22
			<i>For Colored Vinyl, Add</i>	18.43	
			<i>For Tinted Glass, Add</i>	22.11	
			<i>For Low-E Insulated Glass, Add</i>	46.07	
			<i>For Obscure Glass, Add</i>	50.68	
08 53 13 00-0148	EA		28" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	234.17	22.01
			<i>For Colored Vinyl, Add</i>	19.02	
			<i>For Tinted Glass, Add</i>	22.82	
			<i>For Low-E Insulated Glass, Add</i>	47.54	
			<i>For Obscure Glass, Add</i>	52.29	
08 53 13 00-0149	EA		30" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	237.64	22.40
			<i>For Colored Vinyl, Add</i>	19.28	
			<i>For Tinted Glass, Add</i>	23.14	
			<i>For Low-E Insulated Glass, Add</i>	48.21	
			<i>For Obscure Glass, Add</i>	53.03	
08 53 13 00-0150	EA		32" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	240.99	22.79
			<i>For Colored Vinyl, Add</i>	19.54	
			<i>For Tinted Glass, Add</i>	23.45	
			<i>For Low-E Insulated Glass, Add</i>	48.85	
			<i>For Obscure Glass, Add</i>	53.74	
08 53 13 00-0151	EA		36" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	250.13	23.58
			<i>For Colored Vinyl, Add</i>	20.30	
			<i>For Tinted Glass, Add</i>	24.36	
			<i>For Low-E Insulated Glass, Add</i>	50.74	
			<i>For Obscure Glass, Add</i>	55.82	
08 53 13 00-0152	EA		44" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900) .....	265.79	25.15
			<i>For Colored Vinyl, Add</i>	21.55	
			<i>For Tinted Glass, Add</i>	25.86	
			<i>For Low-E Insulated Glass, Add</i>	53.87	
			<i>For Obscure Glass, Add</i>	59.26	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 53 13 00-0153 52" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0154 EA 24" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	229.28	21.61
For Colored Vinyl, Add	18.61	
For Tinted Glass, Add	22.33	
For Low-E Insulated Glass, Add	46.51	
For Obscure Glass, Add	51.16	
08 53 13 00-0155 EA 28" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	236.72	22.40
For Colored Vinyl, Add	19.19	
For Tinted Glass, Add	23.03	
For Low-E Insulated Glass, Add	47.98	
For Obscure Glass, Add	52.78	
08 53 13 00-0156 EA 30" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	240.32	22.79
For Colored Vinyl, Add	19.47	
For Tinted Glass, Add	23.37	
For Low-E Insulated Glass, Add	48.68	
For Obscure Glass, Add	53.55	
08 53 13 00-0157 EA 32" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	243.66	23.18
For Colored Vinyl, Add	19.73	
For Tinted Glass, Add	23.67	
For Low-E Insulated Glass, Add	49.32	
For Obscure Glass, Add	54.25	
08 53 13 00-0158 EA 36" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	253.24	23.97
For Colored Vinyl, Add	20.53	
For Tinted Glass, Add	24.64	
For Low-E Insulated Glass, Add	51.33	
For Obscure Glass, Add	56.46	
08 53 13 00-0159 EA 44" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	269.03	25.55
For Colored Vinyl, Add	21.80	
For Tinted Glass, Add	26.15	
For Low-E Insulated Glass, Add	54.49	
For Obscure Glass, Add	59.94	
<b>08 53 13 00-0160 54" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0161 EA 24" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	231.86	22.01
For Colored Vinyl, Add	18.78	
For Tinted Glass, Add	22.54	
For Low-E Insulated Glass, Add	46.96	
For Obscure Glass, Add	51.66	
08 53 13 00-0162 EA 28" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	239.29	22.79
For Colored Vinyl, Add	19.37	
For Tinted Glass, Add	23.24	
For Low-E Insulated Glass, Add	48.43	
For Obscure Glass, Add	53.27	
08 53 13 00-0163 EA 30" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	243.03	23.18
For Colored Vinyl, Add	19.67	
For Tinted Glass, Add	23.60	
For Low-E Insulated Glass, Add	49.17	
For Obscure Glass, Add	54.08	
08 53 13 00-0164 EA 32" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	246.38	23.58
For Colored Vinyl, Add	19.92	
For Tinted Glass, Add	23.91	
For Low-E Insulated Glass, Add	49.81	
For Obscure Glass, Add	54.79	
08 53 13 00-0165 EA 36" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	256.36	24.36
For Colored Vinyl, Add	20.76	
For Tinted Glass, Add	24.92	
For Low-E Insulated Glass, Add	51.91	
For Obscure Glass, Add	57.10	
08 53 13 00-0166 EA 44" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	272.30	25.93
For Colored Vinyl, Add	22.04	
For Tinted Glass, Add	26.45	
For Low-E Insulated Glass, Add	55.11	
For Obscure Glass, Add	60.62	
<b>08 53 13 00-0167 60" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0168 EA 24" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	239.54	23.18
For Colored Vinyl, Add	19.32	
For Tinted Glass, Add	23.18	
For Low-E Insulated Glass, Add	48.29	
For Obscure Glass, Add	53.12	
08 53 13 00-0169 EA 28" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	246.98	23.97
For Colored Vinyl, Add	19.90	
For Tinted Glass, Add	23.88	
For Low-E Insulated Glass, Add	49.76	
For Obscure Glass, Add	54.74	



**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0170	EA		30" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	251.70	24.36
			<i>For Colored Vinyl, Add</i>	20.30	
			<i>For Tinted Glass, Add</i>	24.36	
			<i>For Low-E Insulated Glass, Add</i>	50.74	
			<i>For Obscure Glass, Add</i>	55.82	
08 53 13 00-0171	EA		32" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	255.04	24.76
			<i>For Colored Vinyl, Add</i>	20.55	
			<i>For Tinted Glass, Add</i>	24.66	
			<i>For Low-E Insulated Glass, Add</i>	51.38	
			<i>For Obscure Glass, Add</i>	56.52	
08 53 13 00-0172	EA		36" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	265.64	25.55
			<i>For Colored Vinyl, Add</i>	21.46	
			<i>For Tinted Glass, Add</i>	25.75	
			<i>For Low-E Insulated Glass, Add</i>	53.64	
			<i>For Obscure Glass, Add</i>	59.00	
08 53 13 00-0173	EA		44" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	282.11	27.12
			<i>For Colored Vinyl, Add</i>	22.79	
			<i>For Tinted Glass, Add</i>	27.35	
			<i>For Low-E Insulated Glass, Add</i>	56.97	
			<i>For Obscure Glass, Add</i>	62.67	
<b>08 53 13 00-0174</b>			<b>62" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0175	EA		24" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	242.10	23.58
			<i>For Colored Vinyl, Add</i>	19.49	
			<i>For Tinted Glass, Add</i>	23.39	
			<i>For Low-E Insulated Glass, Add</i>	48.74	
			<i>For Obscure Glass, Add</i>	53.61	
08 53 13 00-0176	EA		28" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	249.53	24.36
			<i>For Colored Vinyl, Add</i>	20.08	
			<i>For Tinted Glass, Add</i>	24.10	
			<i>For Low-E Insulated Glass, Add</i>	50.20	
			<i>For Obscure Glass, Add</i>	55.22	
08 53 13 00-0177	EA		30" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	254.64	24.76
			<i>For Colored Vinyl, Add</i>	20.51	
			<i>For Tinted Glass, Add</i>	24.62	
			<i>For Low-E Insulated Glass, Add</i>	51.28	
			<i>For Obscure Glass, Add</i>	56.41	
08 53 13 00-0178	EA		32" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	257.99	25.15
			<i>For Colored Vinyl, Add</i>	20.77	
			<i>For Tinted Glass, Add</i>	24.92	
			<i>For Low-E Insulated Glass, Add</i>	51.92	
			<i>For Obscure Glass, Add</i>	57.11	
08 53 13 00-0179	EA		36" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	268.73	25.93
			<i>For Colored Vinyl, Add</i>	21.69	
			<i>For Tinted Glass, Add</i>	26.02	
			<i>For Low-E Insulated Glass, Add</i>	54.22	
			<i>For Obscure Glass, Add</i>	59.64	
08 53 13 00-0180	EA		44" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	285.72	27.50
			<i>For Colored Vinyl, Add</i>	23.07	
			<i>For Tinted Glass, Add</i>	27.68	
			<i>For Low-E Insulated Glass, Add</i>	57.68	
			<i>For Obscure Glass, Add</i>	63.44	
<b>08 53 13 00-0181</b>			<b>66" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0182	EA		24" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	247.80	24.36
			<i>For Colored Vinyl, Add</i>	19.91	
			<i>For Tinted Glass, Add</i>	23.89	
			<i>For Low-E Insulated Glass, Add</i>	49.77	
			<i>For Obscure Glass, Add</i>	54.74	
08 53 13 00-0183	EA		28" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	255.23	25.15
			<i>For Colored Vinyl, Add</i>	20.49	
			<i>For Tinted Glass, Add</i>	24.59	
			<i>For Low-E Insulated Glass, Add</i>	51.23	
			<i>For Obscure Glass, Add</i>	56.36	
08 53 13 00-0184	EA		30" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	260.56	25.55
			<i>For Colored Vinyl, Add</i>	20.95	
			<i>For Tinted Glass, Add</i>	25.14	
			<i>For Low-E Insulated Glass, Add</i>	52.37	
			<i>For Obscure Glass, Add</i>	57.61	
08 53 13 00-0185	EA		32" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	263.91	25.93
			<i>For Colored Vinyl, Add</i>	21.20	
			<i>For Tinted Glass, Add</i>	25.44	
			<i>For Low-E Insulated Glass, Add</i>	53.01	
			<i>For Obscure Glass, Add</i>	58.31	
08 53 13 00-0186	EA		36" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	274.96	26.72
			<i>For Colored Vinyl, Add</i>	22.15	
			<i>For Tinted Glass, Add</i>	26.58	
			<i>For Low-E Insulated Glass, Add</i>	55.38	
			<i>For Obscure Glass, Add</i>	60.92	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0187	EA		44" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	292.64	28.29
			<i>For Colored Vinyl, Add</i>	23.61	
			<i>For Tinted Glass, Add</i>	28.33	
			<i>For Low-E Insulated Glass, Add</i>	59.01	
			<i>For Obscure Glass, Add</i>	64.91	
<b>08 53 13 00-0188</b>			<b>72" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0189	EA		24" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	256.34	25.55
			<i>For Colored Vinyl, Add</i>	20.53	
			<i>For Tinted Glass, Add</i>	24.63	
			<i>For Low-E Insulated Glass, Add</i>	51.32	
			<i>For Obscure Glass, Add</i>	56.45	
08 53 13 00-0190	EA		28" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	263.78	26.33
			<i>For Colored Vinyl, Add</i>	21.11	
			<i>For Tinted Glass, Add</i>	25.34	
			<i>For Low-E Insulated Glass, Add</i>	52.78	
			<i>For Obscure Glass, Add</i>	58.06	
08 53 13 00-0191	EA		30" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	269.11	26.72
			<i>For Colored Vinyl, Add</i>	21.57	
			<i>For Tinted Glass, Add</i>	25.88	
			<i>For Low-E Insulated Glass, Add</i>	53.92	
			<i>For Obscure Glass, Add</i>	59.31	
08 53 13 00-0192	EA		32" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	272.45	27.12
			<i>For Colored Vinyl, Add</i>	21.82	
			<i>For Tinted Glass, Add</i>	26.19	
			<i>For Low-E Insulated Glass, Add</i>	54.56	
			<i>For Obscure Glass, Add</i>	60.01	
08 53 13 00-0193	EA		36" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	283.51	27.90
			<i>For Colored Vinyl, Add</i>	22.77	
			<i>For Tinted Glass, Add</i>	27.33	
			<i>For Low-E Insulated Glass, Add</i>	56.93	
			<i>For Obscure Glass, Add</i>	62.62	
08 53 13 00-0194	EA		44" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	301.20	29.47
			<i>For Colored Vinyl, Add</i>	24.23	
			<i>For Tinted Glass, Add</i>	29.07	
			<i>For Low-E Insulated Glass, Add</i>	60.56	
			<i>For Obscure Glass, Add</i>	66.62	
<b>08 53 13 00-0195</b>			<b>Replacement, Double Hung Vinyl Windows (Silver Line 8500)</b> <small>(08 53 13 00-0102)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0196	EA		Up To 73" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	252.27	20.63
			<i>For Colored Vinyl, Add</i>	21.10	
			<i>For Tinted Glass, Add</i>	25.32	
			<i>For Low-E Insulated Glass, Add</i>	52.75	
			<i>For Obscure Glass, Add</i>	58.03	
08 53 13 00-0197	EA		>73" To 83" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	278.25	22.60
			<i>For Colored Vinyl, Add</i>	23.31	
			<i>For Tinted Glass, Add</i>	27.97	
			<i>For Low-E Insulated Glass, Add</i>	58.27	
			<i>For Obscure Glass, Add</i>	64.09	
08 53 13 00-0198	EA		>83" To 93" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	302.58	24.56
			<i>For Colored Vinyl, Add</i>	25.35	
			<i>For Tinted Glass, Add</i>	30.42	
			<i>For Low-E Insulated Glass, Add</i>	63.37	
			<i>For Obscure Glass, Add</i>	69.70	
08 53 13 00-0199	EA		>93" To 101" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	319.97	26.53
			<i>For Colored Vinyl, Add</i>	26.69	
			<i>For Tinted Glass, Add</i>	32.03	
			<i>For Low-E Insulated Glass, Add</i>	66.73	
			<i>For Obscure Glass, Add</i>	73.40	
08 53 13 00-0200	EA		>101" To 110" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	338.61	28.49
			<i>For Colored Vinyl, Add</i>	28.16	
			<i>For Tinted Glass, Add</i>	33.80	
			<i>For Low-E Insulated Glass, Add</i>	70.41	
			<i>For Obscure Glass, Add</i>	77.45	
08 53 13 00-0201	EA		>110" To 120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	368.14	30.45
			<i>For Colored Vinyl, Add</i>	30.72	
			<i>For Tinted Glass, Add</i>	36.87	
			<i>For Low-E Insulated Glass, Add</i>	76.81	
			<i>For Obscure Glass, Add</i>	84.49	
08 53 13 00-0202	UI		>120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500).....	3.07	0.25
			<i>For Colored Vinyl, Add</i>	0.26	
			<i>For Tinted Glass, Add</i>	0.31	
			<i>For Low-E Insulated Glass, Add</i>	0.64	
			<i>For Obscure Glass, Add</i>	0.70	
<b>08 53 13 00-0203</b>			<b>Casement Vinyl Windows</b> <small>(08 53 13)</small>		
<b>08 53 13 00-0204</b>			<b>New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0203)</small>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0205		One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0204)</small>		
08 53 13 00-0206		24" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0205)</small>		
08 53 13 00-0207	EA	17" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	188.47	14.93
		For Colored Vinyl, Add	15.90	
		For Tinted Glass, Add	19.08	
		For Low-E Insulated Glass, Add	39.75	
		For Obscure Glass, Add	43.73	
08 53 13 00-0208	EA	20" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	195.03	15.33
		For Colored Vinyl, Add	16.44	
		For Tinted Glass, Add	19.72	
		For Low-E Insulated Glass, Add	41.09	
		For Obscure Glass, Add	45.20	
08 53 13 00-0209	EA	24" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	201.96	16.11
		For Colored Vinyl, Add	16.97	
		For Tinted Glass, Add	20.37	
		For Low-E Insulated Glass, Add	42.43	
		For Obscure Glass, Add	46.68	
08 53 13 00-0210	EA	28" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	214.82	16.90
		For Colored Vinyl, Add	18.10	
		For Tinted Glass, Add	21.72	
		For Low-E Insulated Glass, Add	45.26	
		For Obscure Glass, Add	49.78	
08 53 13 00-0211		28" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0205)</small>		
08 53 13 00-0212	EA	17" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	200.03	15.72
		For Colored Vinyl, Add	16.90	
		For Tinted Glass, Add	20.28	
		For Low-E Insulated Glass, Add	42.25	
		For Obscure Glass, Add	46.47	
08 53 13 00-0213	EA	20" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	207.20	16.11
		For Colored Vinyl, Add	17.50	
		For Tinted Glass, Add	21.00	
		For Low-E Insulated Glass, Add	43.74	
		For Obscure Glass, Add	48.12	
08 53 13 00-0214	EA	24" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	214.73	16.90
		For Colored Vinyl, Add	18.09	
		For Tinted Glass, Add	21.71	
		For Low-E Insulated Glass, Add	45.23	
		For Obscure Glass, Add	49.76	
08 53 13 00-0215	EA	28" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	228.31	17.68
		For Colored Vinyl, Add	19.29	
		For Tinted Glass, Add	23.15	
		For Low-E Insulated Glass, Add	48.24	
		For Obscure Glass, Add	53.06	
08 53 13 00-0216		36" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0205)</small>		
08 53 13 00-0217	EA	17" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	213.53	16.90
		For Colored Vinyl, Add	17.97	
		For Tinted Glass, Add	21.57	
		For Low-E Insulated Glass, Add	44.93	
		For Obscure Glass, Add	49.43	
08 53 13 00-0218	EA	20" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	220.97	17.68
		For Colored Vinyl, Add	18.60	
		For Tinted Glass, Add	22.32	
		For Low-E Insulated Glass, Add	46.50	
		For Obscure Glass, Add	51.15	
08 53 13 00-0219	EA	24" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	228.85	18.27
		For Colored Vinyl, Add	19.23	
		For Tinted Glass, Add	23.08	
		For Low-E Insulated Glass, Add	48.08	
		For Obscure Glass, Add	52.88	
08 53 13 00-0220	EA	28" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	243.00	19.06
		For Colored Vinyl, Add	20.49	
		For Tinted Glass, Add	24.59	
		For Low-E Insulated Glass, Add	51.22	
		For Obscure Glass, Add	56.34	
08 53 13 00-0221		40" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0205)</small>		
08 53 13 00-0222	EA	17" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	225.83	18.07
		For Colored Vinyl, Add	19.01	
		For Tinted Glass, Add	22.81	
		For Low-E Insulated Glass, Add	47.52	
		For Obscure Glass, Add	52.27	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0223	EA		20" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	233.73	18.47
			<i>For Colored Vinyl, Add</i>	19.68	
			<i>For Tinted Glass, Add</i>	23.61	
			<i>For Low-E Insulated Glass, Add</i>	49.20	
			<i>For Obscure Glass, Add</i>	54.12	
08 53 13 00-0224	EA		24" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	242.01	19.25
			<i>For Colored Vinyl, Add</i>	20.35	
			<i>For Tinted Glass, Add</i>	24.42	
			<i>For Low-E Insulated Glass, Add</i>	50.88	
			<i>For Obscure Glass, Add</i>	55.96	
08 53 13 00-0225	EA		28" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	257.35	20.04
			<i>For Colored Vinyl, Add</i>	21.73	
			<i>For Tinted Glass, Add</i>	26.07	
			<i>For Low-E Insulated Glass, Add</i>	54.32	
			<i>For Obscure Glass, Add</i>	59.75	
<b>08 53 13 00-0226</b>			<b>48" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> (08 53 13 00-0205)		
08 53 13 00-0227	EA		17" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	239.45	19.65
			<i>For Colored Vinyl, Add</i>	20.05	
			<i>For Tinted Glass, Add</i>	24.06	
			<i>For Low-E Insulated Glass, Add</i>	50.14	
			<i>For Obscure Glass, Add</i>	55.15	
08 53 13 00-0228	EA		20" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	247.69	20.04
			<i>For Colored Vinyl, Add</i>	20.76	
			<i>For Tinted Glass, Add</i>	24.91	
			<i>For Low-E Insulated Glass, Add</i>	51.90	
			<i>For Obscure Glass, Add</i>	57.09	
08 53 13 00-0229	EA		24" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	256.35	20.82
			<i>For Colored Vinyl, Add</i>	21.47	
			<i>For Tinted Glass, Add</i>	25.76	
			<i>For Low-E Insulated Glass, Add</i>	53.68	
			<i>For Obscure Glass, Add</i>	59.04	
08 53 13 00-0230	EA		28" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	273.27	21.61
			<i>For Colored Vinyl, Add</i>	23.00	
			<i>For Tinted Glass, Add</i>	27.60	
			<i>For Low-E Insulated Glass, Add</i>	57.51	
			<i>For Obscure Glass, Add</i>	63.26	
<b>08 53 13 00-0231</b>			<b>52" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> (08 53 13 00-0205)		
08 53 13 00-0232	EA		17" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	251.43	20.44
			<i>For Colored Vinyl, Add</i>	21.10	
			<i>For Tinted Glass, Add</i>	25.31	
			<i>For Low-E Insulated Glass, Add</i>	52.74	
			<i>For Obscure Glass, Add</i>	58.01	
08 53 13 00-0233	EA		20" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	260.16	20.82
			<i>For Colored Vinyl, Add</i>	21.85	
			<i>For Tinted Glass, Add</i>	26.22	
			<i>For Low-E Insulated Glass, Add</i>	54.63	
			<i>For Obscure Glass, Add</i>	60.09	
08 53 13 00-0234	EA		24" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	269.29	21.61
			<i>For Colored Vinyl, Add</i>	22.61	
			<i>For Tinted Glass, Add</i>	27.13	
			<i>For Low-E Insulated Glass, Add</i>	56.52	
			<i>For Obscure Glass, Add</i>	62.17	
08 53 13 00-0235	EA		28" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	286.50	22.40
			<i>For Colored Vinyl, Add</i>	24.17	
			<i>For Tinted Glass, Add</i>	29.00	
			<i>For Low-E Insulated Glass, Add</i>	60.43	
			<i>For Obscure Glass, Add</i>	66.47	
<b>08 53 13 00-0236</b>			<b>60" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> (08 53 13 00-0205)		
08 53 13 00-0237	EA		17" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	264.58	21.61
			<i>For Colored Vinyl, Add</i>	22.14	
			<i>For Tinted Glass, Add</i>	26.56	
			<i>For Low-E Insulated Glass, Add</i>	55.34	
			<i>For Obscure Glass, Add</i>	60.87	
08 53 13 00-0238	EA		20" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	273.80	22.40
			<i>For Colored Vinyl, Add</i>	22.94	
			<i>For Tinted Glass, Add</i>	27.53	
			<i>For Low-E Insulated Glass, Add</i>	57.35	
			<i>For Obscure Glass, Add</i>	63.09	
08 53 13 00-0239	EA		24" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	283.41	22.99
			<i>For Colored Vinyl, Add</i>	23.74	
			<i>For Tinted Glass, Add</i>	28.49	
			<i>For Low-E Insulated Glass, Add</i>	59.36	
			<i>For Obscure Glass, Add</i>	65.30	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0240	EA		28" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	300.90	23.77
			<i>For Colored Vinyl, Add</i>	25.34	
			<i>For Tinted Glass, Add</i>	30.40	
			<i>For Low-E Insulated Glass, Add</i>	63.34	
			<i>For Obscure Glass, Add</i>	69.67	
<b>08 53 13 00-0241</b>			<b>64" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0205)</small></b>		
08 53 13 00-0242	EA		17" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	276.70	22.79
			<i>For Colored Vinyl, Add</i>	23.15	
			<i>For Tinted Glass, Add</i>	27.78	
			<i>For Low-E Insulated Glass, Add</i>	57.88	
			<i>For Obscure Glass, Add</i>	63.67	
08 53 13 00-0243	EA		20" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	286.17	23.18
			<i>For Colored Vinyl, Add</i>	23.98	
			<i>For Tinted Glass, Add</i>	28.78	
			<i>For Low-E Insulated Glass, Add</i>	59.95	
			<i>For Obscure Glass, Add</i>	65.95	
08 53 13 00-0244	EA		24" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	296.45	23.97
			<i>For Colored Vinyl, Add</i>	24.85	
			<i>For Tinted Glass, Add</i>	29.82	
			<i>For Low-E Insulated Glass, Add</i>	62.13	
			<i>For Obscure Glass, Add</i>	68.34	
08 53 13 00-0245	EA		28" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	313.53	24.76
			<i>For Colored Vinyl, Add</i>	26.40	
			<i>For Tinted Glass, Add</i>	31.68	
			<i>For Low-E Insulated Glass, Add</i>	66.01	
			<i>For Obscure Glass, Add</i>	72.61	
<b>08 53 13 00-0246</b>			<b>72" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0205)</small></b>		
08 53 13 00-0247	EA		17" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	291.46	23.97
			<i>For Colored Vinyl, Add</i>	24.35	
			<i>For Tinted Glass, Add</i>	29.22	
			<i>For Low-E Insulated Glass, Add</i>	60.88	
			<i>For Obscure Glass, Add</i>	66.97	
08 53 13 00-0248	EA		20" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	301.44	24.76
			<i>For Colored Vinyl, Add</i>	25.23	
			<i>For Tinted Glass, Add</i>	30.28	
			<i>For Low-E Insulated Glass, Add</i>	63.08	
			<i>For Obscure Glass, Add</i>	69.39	
08 53 13 00-0249	EA		24" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	311.26	25.34
			<i>For Colored Vinyl, Add</i>	26.06	
			<i>For Tinted Glass, Add</i>	31.27	
			<i>For Low-E Insulated Glass, Add</i>	65.14	
			<i>For Obscure Glass, Add</i>	71.66	
08 53 13 00-0250	EA		28" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550) .....	328.13	26.13
			<i>For Colored Vinyl, Add</i>	27.59	
			<i>For Tinted Glass, Add</i>	33.10	
			<i>For Low-E Insulated Glass, Add</i>	68.97	
			<i>For Obscure Glass, Add</i>	75.86	
<b>08 53 13 00-0251</b>			<b>Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0204)</small></b>		
<b>08 53 13 00-0252</b>			<b>36" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0251)</small></b>		
08 53 13 00-0253	EA		33" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	385.28	20.04
			<i>For Colored Vinyl, Add</i>	34.52	
			<i>For Tinted Glass, Add</i>	41.42	
			<i>For Low-E Insulated Glass, Add</i>	86.30	
			<i>For Obscure Glass, Add</i>	94.93	
08 53 13 00-0254	EA		40" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	398.87	21.61
			<i>For Colored Vinyl, Add</i>	35.60	
			<i>For Tinted Glass, Add</i>	42.72	
			<i>For Low-E Insulated Glass, Add</i>	89.01	
			<i>For Obscure Glass, Add</i>	97.91	
08 53 13 00-0255	EA		48" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	412.86	23.18
			<i>For Colored Vinyl, Add</i>	36.69	
			<i>For Tinted Glass, Add</i>	44.03	
			<i>For Low-E Insulated Glass, Add</i>	91.72	
			<i>For Obscure Glass, Add</i>	100.89	
08 53 13 00-0256	EA		56" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	428.88	24.56
			<i>For Colored Vinyl, Add</i>	37.98	
			<i>For Tinted Glass, Add</i>	45.57	
			<i>For Low-E Insulated Glass, Add</i>	94.94	
			<i>For Obscure Glass, Add</i>	104.43	
<b>08 53 13 00-0257</b>			<b>40" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0251)</small></b>		



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0258	EA		33" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	408.13	21.02
			<i>For Colored Vinyl, Add</i>	36.61	
			<i>For Tinted Glass, Add</i>	43.93	
			<i>For Low-E Insulated Glass, Add</i>	91.52	
			<i>For Obscure Glass, Add</i>	100.67	
08 53 13 00-0259	EA		40" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	422.61	22.40
			<i>For Colored Vinyl, Add</i>	37.78	
			<i>For Tinted Glass, Add</i>	45.34	
			<i>For Low-E Insulated Glass, Add</i>	94.45	
			<i>For Obscure Glass, Add</i>	103.90	
08 53 13 00-0260	EA		48" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	437.49	23.97
			<i>For Colored Vinyl, Add</i>	38.96	
			<i>For Tinted Glass, Add</i>	46.75	
			<i>For Low-E Insulated Glass, Add</i>	97.39	
			<i>For Obscure Glass, Add</i>	107.13	
08 53 13 00-0261	EA		56" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	452.95	25.55
			<i>For Colored Vinyl, Add</i>	40.19	
			<i>For Tinted Glass, Add</i>	48.22	
			<i>For Low-E Insulated Glass, Add</i>	100.47	
			<i>For Obscure Glass, Add</i>	110.51	
<b>08 53 13 00-0262</b>			<b>48" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0251)</small>		
08 53 13 00-0263	EA		33" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	432.56	22.60
			<i>For Colored Vinyl, Add</i>	38.74	
			<i>For Tinted Glass, Add</i>	46.48	
			<i>For Low-E Insulated Glass, Add</i>	96.84	
			<i>For Obscure Glass, Add</i>	106.53	
08 53 13 00-0264	EA		40" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	447.68	23.97
			<i>For Colored Vinyl, Add</i>	39.97	
			<i>For Tinted Glass, Add</i>	47.97	
			<i>For Low-E Insulated Glass, Add</i>	99.94	
			<i>For Obscure Glass, Add</i>	109.93	
08 53 13 00-0265	EA		48" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	463.21	25.55
			<i>For Colored Vinyl, Add</i>	41.21	
			<i>For Tinted Glass, Add</i>	49.46	
			<i>For Low-E Insulated Glass, Add</i>	103.03	
			<i>For Obscure Glass, Add</i>	113.34	
08 53 13 00-0266	EA		56" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	480.18	27.12
			<i>For Colored Vinyl, Add</i>	42.60	
			<i>For Tinted Glass, Add</i>	51.12	
			<i>For Low-E Insulated Glass, Add</i>	106.49	
			<i>For Obscure Glass, Add</i>	117.14	
<b>08 53 13 00-0267</b>			<b>52" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0251)</small>		
08 53 13 00-0268	EA		33" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	455.37	23.38
			<i>For Colored Vinyl, Add</i>	40.86	
			<i>For Tinted Glass, Add</i>	49.03	
			<i>For Low-E Insulated Glass, Add</i>	102.15	
			<i>For Obscure Glass, Add</i>	112.37	
08 53 13 00-0269	EA		40" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	471.35	24.76
			<i>For Colored Vinyl, Add</i>	42.18	
			<i>For Tinted Glass, Add</i>	50.62	
			<i>For Low-E Insulated Glass, Add</i>	105.46	
			<i>For Obscure Glass, Add</i>	116.01	
08 53 13 00-0270	EA		48" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	487.72	26.33
			<i>For Colored Vinyl, Add</i>	43.51	
			<i>For Tinted Glass, Add</i>	52.21	
			<i>For Low-E Insulated Glass, Add</i>	108.77	
			<i>For Obscure Glass, Add</i>	119.64	
08 53 13 00-0271	EA		56" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	505.00	27.90
			<i>For Colored Vinyl, Add</i>	44.92	
			<i>For Tinted Glass, Add</i>	53.90	
			<i>For Low-E Insulated Glass, Add</i>	112.30	
			<i>For Obscure Glass, Add</i>	123.53	
<b>08 53 13 00-0272</b>			<b>60" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0251)</small>		
08 53 13 00-0273	EA		33" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	479.36	24.76
			<i>For Colored Vinyl, Add</i>	42.99	
			<i>For Tinted Glass, Add</i>	51.58	
			<i>For Low-E Insulated Glass, Add</i>	107.46	
			<i>For Obscure Glass, Add</i>	118.21	
08 53 13 00-0274	EA		40" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	496.21	26.33
			<i>For Colored Vinyl, Add</i>	44.39	
			<i>For Tinted Glass, Add</i>	53.27	
			<i>For Low-E Insulated Glass, Add</i>	110.99	
			<i>For Obscure Glass, Add</i>	122.08	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0275	EA		48" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	513.43	27.90
			<i>For Colored Vinyl, Add</i>	45.80	
			<i>For Tinted Glass, Add</i>	54.96	
			<i>For Low-E Insulated Glass, Add</i>	114.51	
			<i>For Obscure Glass, Add</i>	125.96	
08 53 13 00-0276	EA		56" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	530.97	29.28
			<i>For Colored Vinyl, Add</i>	47.24	
			<i>For Tinted Glass, Add</i>	56.69	
			<i>For Low-E Insulated Glass, Add</i>	118.11	
			<i>For Obscure Glass, Add</i>	129.92	
<b>08 53 13 00-0277</b>			<b>64" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0251)</small></b>		
08 53 13 00-0278	EA		33" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	503.27	25.74
			<i>For Colored Vinyl, Add</i>	45.18	
			<i>For Tinted Glass, Add</i>	54.21	
			<i>For Low-E Insulated Glass, Add</i>	112.95	
			<i>For Obscure Glass, Add</i>	124.24	
08 53 13 00-0279	EA		40" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	520.10	27.12
			<i>For Colored Vinyl, Add</i>	46.59	
			<i>For Tinted Glass, Add</i>	55.91	
			<i>For Low-E Insulated Glass, Add</i>	116.47	
			<i>For Obscure Glass, Add</i>	128.12	
08 53 13 00-0280	EA		48" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	537.26	28.69
			<i>For Colored Vinyl, Add</i>	47.99	
			<i>For Tinted Glass, Add</i>	57.59	
			<i>For Low-E Insulated Glass, Add</i>	119.97	
			<i>For Obscure Glass, Add</i>	131.97	
08 53 13 00-0281	EA		56" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	554.88	30.26
			<i>For Colored Vinyl, Add</i>	49.44	
			<i>For Tinted Glass, Add</i>	59.32	
			<i>For Low-E Insulated Glass, Add</i>	123.59	
			<i>For Obscure Glass, Add</i>	135.95	
<b>08 53 13 00-0282</b>			<b>72" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0251)</small></b>		
08 53 13 00-0283	EA		33" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	529.37	27.12
			<i>For Colored Vinyl, Add</i>	47.52	
			<i>For Tinted Glass, Add</i>	57.02	
			<i>For Low-E Insulated Glass, Add</i>	118.79	
			<i>For Obscure Glass, Add</i>	130.67	
08 53 13 00-0284	EA		40" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	546.21	28.69
			<i>For Colored Vinyl, Add</i>	48.92	
			<i>For Tinted Glass, Add</i>	58.71	
			<i>For Low-E Insulated Glass, Add</i>	122.31	
			<i>For Obscure Glass, Add</i>	134.54	
08 53 13 00-0285	EA		48" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	563.44	30.26
			<i>For Colored Vinyl, Add</i>	50.33	
			<i>For Tinted Glass, Add</i>	60.40	
			<i>For Low-E Insulated Glass, Add</i>	125.83	
			<i>For Obscure Glass, Add</i>	138.41	
08 53 13 00-0286	EA		56" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	581.00	31.63
			<i>For Colored Vinyl, Add</i>	51.77	
			<i>For Tinted Glass, Add</i>	62.13	
			<i>For Low-E Insulated Glass, Add</i>	129.43	
			<i>For Obscure Glass, Add</i>	142.38	
<b>08 53 13 00-0287</b>			<b>Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0204)</small></b>		
<b>08 53 13 00-0288</b>			<b>36" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0287)</small></b>		
08 53 13 00-0289	EA		62" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	474.97	25.55
			<i>For Colored Vinyl, Add</i>	42.39	
			<i>For Tinted Glass, Add</i>	50.87	
			<i>For Low-E Insulated Glass, Add</i>	105.97	
			<i>For Obscure Glass, Add</i>	116.57	
08 53 13 00-0290	EA		72" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	496.77	27.50
			<i>For Colored Vinyl, Add</i>	44.18	
			<i>For Tinted Glass, Add</i>	53.01	
			<i>For Low-E Insulated Glass, Add</i>	110.44	
			<i>For Obscure Glass, Add</i>	121.48	
08 53 13 00-0291	EA		86" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	536.25	30.45
			<i>For Colored Vinyl, Add</i>	47.53	
			<i>For Tinted Glass, Add</i>	57.04	
			<i>For Low-E Insulated Glass, Add</i>	118.84	
			<i>For Obscure Glass, Add</i>	130.72	
<b>08 53 13 00-0292</b>			<b>40" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) <small>(08 53 13 00-0287)</small></b>		



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0293	EA		62" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	506.72	26.72
			<i>For Colored Vinyl, Add</i>	45.37	
			<i>For Tinted Glass, Add</i>	54.44	
			<i>For Low-E Insulated Glass, Add</i>	113.42	
			<i>For Obscure Glass, Add</i>	124.76	
08 53 13 00-0294	EA		72" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	528.69	28.49
			<i>For Colored Vinyl, Add</i>	47.17	
			<i>For Tinted Glass, Add</i>	56.61	
			<i>For Low-E Insulated Glass, Add</i>	117.93	
			<i>For Obscure Glass, Add</i>	129.72	
08 53 13 00-0295	EA		86" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	570.59	31.44
			<i>For Colored Vinyl, Add</i>	50.77	
			<i>For Tinted Glass, Add</i>	60.93	
			<i>For Low-E Insulated Glass, Add</i>	126.93	
			<i>For Obscure Glass, Add</i>	139.62	
<b>08 53 13 00-0296</b>			<b>48" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> (08 53 13 00-0287)		
08 53 13 00-0297	EA		62" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	535.78	28.29
			<i>For Colored Vinyl, Add</i>	47.92	
			<i>For Tinted Glass, Add</i>	57.50	
			<i>For Low-E Insulated Glass, Add</i>	119.80	
			<i>For Obscure Glass, Add</i>	131.78	
08 53 13 00-0298	EA		72" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	562.22	30.06
			<i>For Colored Vinyl, Add</i>	50.21	
			<i>For Tinted Glass, Add</i>	60.25	
			<i>For Low-E Insulated Glass, Add</i>	125.53	
			<i>For Obscure Glass, Add</i>	138.08	
08 53 13 00-0299	EA		86" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	606.19	33.01
			<i>For Colored Vinyl, Add</i>	54.02	
			<i>For Tinted Glass, Add</i>	64.82	
			<i>For Low-E Insulated Glass, Add</i>	135.05	
			<i>For Obscure Glass, Add</i>	148.55	
<b>08 53 13 00-0300</b>			<b>52" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> (08 53 13 00-0287)		
08 53 13 00-0301	EA		62" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	566.11	29.07
			<i>For Colored Vinyl, Add</i>	50.80	
			<i>For Tinted Glass, Add</i>	60.95	
			<i>For Low-E Insulated Glass, Add</i>	126.99	
			<i>For Obscure Glass, Add</i>	139.69	
08 53 13 00-0302	EA		72" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	594.20	31.04
			<i>For Colored Vinyl, Add</i>	53.21	
			<i>For Tinted Glass, Add</i>	63.85	
			<i>For Low-E Insulated Glass, Add</i>	133.03	
			<i>For Obscure Glass, Add</i>	146.33	
08 53 13 00-0303	EA		86" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	645.00	33.80
			<i>For Colored Vinyl, Add</i>	57.74	
			<i>For Tinted Glass, Add</i>	69.29	
			<i>For Low-E Insulated Glass, Add</i>	144.35	
			<i>For Obscure Glass, Add</i>	158.79	
<b>08 53 13 00-0304</b>			<b>60" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> (08 53 13 00-0287)		
08 53 13 00-0305	EA		62" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	597.60	30.45
			<i>For Colored Vinyl, Add</i>	53.67	
			<i>For Tinted Glass, Add</i>	64.40	
			<i>For Low-E Insulated Glass, Add</i>	134.17	
			<i>For Obscure Glass, Add</i>	147.59	
08 53 13 00-0306	EA		72" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	626.95	32.42
			<i>For Colored Vinyl, Add</i>	56.21	
			<i>For Tinted Glass, Add</i>	67.45	
			<i>For Low-E Insulated Glass, Add</i>	140.53	
			<i>For Obscure Glass, Add</i>	154.58	
08 53 13 00-0307	EA		86" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	684.98	35.17
			<i>For Colored Vinyl, Add</i>	61.46	
			<i>For Tinted Glass, Add</i>	73.76	
			<i>For Low-E Insulated Glass, Add</i>	153.66	
			<i>For Obscure Glass, Add</i>	169.03	
<b>08 53 13 00-0308</b>			<b>64" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> (08 53 13 00-0287)		
08 53 13 00-0309	EA		62" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	632.03	31.44
			<i>For Colored Vinyl, Add</i>	56.92	
			<i>For Tinted Glass, Add</i>	68.30	
			<i>For Low-E Insulated Glass, Add</i>	142.29	
			<i>For Obscure Glass, Add</i>	156.52	



**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0310	EA		72" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	661.37	33.40
			<i>For Colored Vinyl, Add</i>	59.46	
			<i>For Tinted Glass, Add</i>	71.35	
			<i>For Low-E Insulated Glass, Add</i>	148.64	
			<i>For Obscure Glass, Add</i>	163.51	
08 53 13 00-0311	EA		86" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	719.39	36.15
			<i>For Colored Vinyl, Add</i>	64.71	
			<i>For Tinted Glass, Add</i>	77.65	
			<i>For Low-E Insulated Glass, Add</i>	161.77	
			<i>For Obscure Glass, Add</i>	177.95	
<b>08 53 13 00-0312</b>			<b>72" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) (08 53 13 00-0287)</b>		
08 53 13 00-0313	EA		62" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	667.32	32.81
			<i>For Colored Vinyl, Add</i>	60.17	
			<i>For Tinted Glass, Add</i>	72.20	
			<i>For Low-E Insulated Glass, Add</i>	150.43	
			<i>For Obscure Glass, Add</i>	165.47	
08 53 13 00-0314	EA		72" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	696.66	34.78
			<i>For Colored Vinyl, Add</i>	62.71	
			<i>For Tinted Glass, Add</i>	75.25	
			<i>For Low-E Insulated Glass, Add</i>	156.78	
			<i>For Obscure Glass, Add</i>	172.46	
08 53 13 00-0315	EA		86" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	754.69	37.53
			<i>For Colored Vinyl, Add</i>	67.96	
			<i>For Tinted Glass, Add</i>	81.56	
			<i>For Low-E Insulated Glass, Add</i>	169.91	
			<i>For Obscure Glass, Add</i>	186.90	
<b>08 53 13 00-0316</b>			<b>Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0203)</b>		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
<b>08 53 13 00-0317</b>			<b>One Operating Sash, Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0316)</b>		
08 53 13 00-0318	EA		Up To 53" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	243.50	16.70
			<i>For Colored Vinyl, Add</i>	21.01	
			<i>For Tinted Glass, Add</i>	25.21	
			<i>For Low-E Insulated Glass, Add</i>	52.53	
			<i>For Obscure Glass, Add</i>	57.78	
08 53 13 00-0319	EA		>53 To 63" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	276.68	18.66
			<i>For Colored Vinyl, Add</i>	23.93	
			<i>For Tinted Glass, Add</i>	28.72	
			<i>For Low-E Insulated Glass, Add</i>	59.84	
			<i>For Obscure Glass, Add</i>	65.82	
08 53 13 00-0320	EA		>63 To 73" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	306.53	20.63
			<i>For Colored Vinyl, Add</i>	26.53	
			<i>For Tinted Glass, Add</i>	31.83	
			<i>For Low-E Insulated Glass, Add</i>	66.32	
			<i>For Obscure Glass, Add</i>	72.95	
08 53 13 00-0321	EA		>73" To 83" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	333.09	22.60
			<i>For Colored Vinyl, Add</i>	28.79	
			<i>For Tinted Glass, Add</i>	34.55	
			<i>For Low-E Insulated Glass, Add</i>	71.98	
			<i>For Obscure Glass, Add</i>	79.17	
08 53 13 00-0322	EA		>83" To 93" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	356.35	24.56
			<i>For Colored Vinyl, Add</i>	30.72	
			<i>For Tinted Glass, Add</i>	36.87	
			<i>For Low-E Insulated Glass, Add</i>	76.81	
			<i>For Obscure Glass, Add</i>	84.49	
08 53 13 00-0323	EA		>93" To 101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	370.02	26.53
			<i>For Colored Vinyl, Add</i>	31.70	
			<i>For Tinted Glass, Add</i>	38.04	
			<i>For Low-E Insulated Glass, Add</i>	79.24	
			<i>For Obscure Glass, Add</i>	87.17	
08 53 13 00-0324	UI		>101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	3.65	0.25
			<i>For Colored Vinyl, Add</i>	0.31	
			<i>For Tinted Glass, Add</i>	0.38	
			<i>For Low-E Insulated Glass, Add</i>	0.79	
			<i>For Obscure Glass, Add</i>	0.86	
<b>08 53 13 00-0325</b>			<b>Two Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0316)</b>		
08 53 13 00-0326	EA		Up To 73" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	409.02	20.63
			<i>For Colored Vinyl, Add</i>	36.78	
			<i>For Tinted Glass, Add</i>	44.13	
			<i>For Low-E Insulated Glass, Add</i>	91.94	
			<i>For Obscure Glass, Add</i>	101.13	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0327 EA >73" To 83" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500) .....	449.62	22.60
For Colored Vinyl, Add	40.44	
For Tinted Glass, Add	48.53	
For Low-E Insulated Glass, Add	101.11	
For Obscure Glass, Add	111.22	
08 53 13 00-0328 EA >83" To 93" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500) .....	486.92	24.56
For Colored Vinyl, Add	43.78	
For Tinted Glass, Add	52.54	
For Low-E Insulated Glass, Add	109.45	
For Obscure Glass, Add	120.40	
08 53 13 00-0329 EA >93" To 101" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500) .....	511.83	26.53
For Colored Vinyl, Add	45.88	
For Tinted Glass, Add	55.05	
For Low-E Insulated Glass, Add	114.70	
For Obscure Glass, Add	126.16	
08 53 13 00-0330 EA >101" To 110" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500) .....	538.47	28.49
For Colored Vinyl, Add	48.15	
For Tinted Glass, Add	57.78	
For Low-E Insulated Glass, Add	120.37	
For Obscure Glass, Add	132.41	
08 53 13 00-0331 EA >110" To 120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500) .....	566.35	30.45
For Colored Vinyl, Add	50.54	
For Tinted Glass, Add	60.65	
For Low-E Insulated Glass, Add	126.36	
For Obscure Glass, Add	139.00	
08 53 13 00-0332 UI >120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500) .....	4.72	0.25
For Colored Vinyl, Add	0.42	
For Tinted Glass, Add	0.51	
For Low-E Insulated Glass, Add	1.05	
For Obscure Glass, Add	1.16	
<b>08 53 13 00-0333 Three Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) (08 53 13 00-0316)</b>		
08 53 13 00-0334 EA Up To 73" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500) .....	427.11	20.63
For Colored Vinyl, Add	38.59	
For Tinted Glass, Add	46.30	
For Low-E Insulated Glass, Add	96.46	
For Obscure Glass, Add	106.11	
08 53 13 00-0335 EA >73" To 83" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500) .....	469.69	22.60
For Colored Vinyl, Add	42.45	
For Tinted Glass, Add	50.94	
For Low-E Insulated Glass, Add	106.13	
For Obscure Glass, Add	116.74	
08 53 13 00-0336 EA >83" To 93" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500) .....	509.96	24.56
For Colored Vinyl, Add	46.08	
For Tinted Glass, Add	55.30	
For Low-E Insulated Glass, Add	115.21	
For Obscure Glass, Add	126.73	
08 53 13 00-0337 EA >93" To 101" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500) .....	536.85	26.53
For Colored Vinyl, Add	48.38	
For Tinted Glass, Add	58.06	
For Low-E Insulated Glass, Add	120.95	
For Obscure Glass, Add	133.05	
08 53 13 00-0338 EA >101" To 110" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500) .....	565.72	28.49
For Colored Vinyl, Add	50.87	
For Tinted Glass, Add	61.05	
For Low-E Insulated Glass, Add	127.19	
For Obscure Glass, Add	139.90	
08 53 13 00-0339 EA >110" To 120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500) .....	596.08	30.45
For Colored Vinyl, Add	53.52	
For Tinted Glass, Add	64.22	
For Low-E Insulated Glass, Add	133.79	
For Obscure Glass, Add	147.17	
08 53 13 00-0340 UI >120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500) .....	4.97	0.25
For Colored Vinyl, Add	0.45	
For Tinted Glass, Add	0.54	
For Low-E Insulated Glass, Add	1.12	
For Obscure Glass, Add	1.23	
08 53 13 00-0341 Awning Vinyl Windows (08 53 13)		
08 53 13 00-0342 New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0341)		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0343 Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0342)		
08 53 13 00-0344 17" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) (08 53 13 00-0343)		

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0345	EA		24" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	245.59	16.11
			<i>For Colored Vinyl, Add</i>	21.34	
			<i>For Tinted Glass, Add</i>	25.60	
			<i>For Low-E Insulated Glass, Add</i>	53.34	
			<i>For Obscure Glass, Add</i>	58.67	
08 53 13 00-0346	EA		28" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	257.07	16.90
			<i>For Colored Vinyl, Add</i>	22.33	
			<i>For Tinted Glass, Add</i>	26.79	
			<i>For Low-E Insulated Glass, Add</i>	55.82	
			<i>For Obscure Glass, Add</i>	61.40	
08 53 13 00-0347	EA		36" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	274.68	18.27
			<i>For Colored Vinyl, Add</i>	23.81	
			<i>For Tinted Glass, Add</i>	28.58	
			<i>For Low-E Insulated Glass, Add</i>	59.53	
			<i>For Obscure Glass, Add</i>	65.49	
08 53 13 00-0348	EA		40" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	285.99	19.25
			<i>For Colored Vinyl, Add</i>	24.75	
			<i>For Tinted Glass, Add</i>	29.70	
			<i>For Low-E Insulated Glass, Add</i>	61.87	
			<i>For Obscure Glass, Add</i>	68.06	
08 53 13 00-0349	EA		48" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	304.56	20.82
			<i>For Colored Vinyl, Add</i>	26.29	
			<i>For Tinted Glass, Add</i>	31.55	
			<i>For Low-E Insulated Glass, Add</i>	65.73	
			<i>For Obscure Glass, Add</i>	72.30	
<b>08 53 13 00-0350</b>			<b>20" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450)</b> <small>(08 53 13 00-0343)</small>		
08 53 13 00-0351	EA		24" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	259.15	16.90
			<i>For Colored Vinyl, Add</i>	22.58	
			<i>For Tinted Glass, Add</i>	27.09	
			<i>For Low-E Insulated Glass, Add</i>	56.44	
			<i>For Obscure Glass, Add</i>	62.08	
08 53 13 00-0352	EA		28" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	270.63	17.68
			<i>For Colored Vinyl, Add</i>	23.57	
			<i>For Tinted Glass, Add</i>	28.28	
			<i>For Low-E Insulated Glass, Add</i>	58.92	
			<i>For Obscure Glass, Add</i>	64.81	
08 53 13 00-0353	EA		36" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	289.61	18.87
			<i>For Colored Vinyl, Add</i>	25.19	
			<i>For Tinted Glass, Add</i>	30.23	
			<i>For Low-E Insulated Glass, Add</i>	62.97	
			<i>For Obscure Glass, Add</i>	69.27	
08 53 13 00-0354	EA		40" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	300.95	20.04
			<i>For Colored Vinyl, Add</i>	26.13	
			<i>For Tinted Glass, Add</i>	31.35	
			<i>For Low-E Insulated Glass, Add</i>	65.32	
			<i>For Obscure Glass, Add</i>	71.85	
08 53 13 00-0355	EA		48" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	320.87	21.42
			<i>For Colored Vinyl, Add</i>	27.80	
			<i>For Tinted Glass, Add</i>	33.36	
			<i>For Low-E Insulated Glass, Add</i>	69.51	
			<i>For Obscure Glass, Add</i>	76.46	
<b>08 53 13 00-0356</b>			<b>24" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450)</b> <small>(08 53 13 00-0343)</small>		
08 53 13 00-0357	EA		24" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	267.59	17.68
			<i>For Colored Vinyl, Add</i>	23.26	
			<i>For Tinted Glass, Add</i>	27.91	
			<i>For Low-E Insulated Glass, Add</i>	58.16	
			<i>For Obscure Glass, Add</i>	63.97	
08 53 13 00-0358	EA		28" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	279.08	18.47
			<i>For Colored Vinyl, Add</i>	24.25	
			<i>For Tinted Glass, Add</i>	29.10	
			<i>For Low-E Insulated Glass, Add</i>	60.63	
			<i>For Obscure Glass, Add</i>	66.70	
08 53 13 00-0359	EA		36" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	298.75	19.65
			<i>For Colored Vinyl, Add</i>	25.95	
			<i>For Tinted Glass, Add</i>	31.14	
			<i>For Low-E Insulated Glass, Add</i>	64.87	
			<i>For Obscure Glass, Add</i>	71.35	
08 53 13 00-0360	EA		40" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	311.19	20.82
			<i>For Colored Vinyl, Add</i>	26.99	
			<i>For Tinted Glass, Add</i>	32.39	
			<i>For Low-E Insulated Glass, Add</i>	67.48	
			<i>For Obscure Glass, Add</i>	74.23	
08 53 13 00-0361	EA		48" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	331.39	22.20
			<i>For Colored Vinyl, Add</i>	28.70	
			<i>For Tinted Glass, Add</i>	34.44	
			<i>For Low-E Insulated Glass, Add</i>	71.75	
			<i>For Obscure Glass, Add</i>	78.92	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 53 13 00-0362 28" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450)</b> <small>(08 53 13 00-0343)</small>		
08 53 13 00-0363 EA 24" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	276.06	18.47
For Colored Vinyl, Add	23.95	
For Tinted Glass, Add	28.74	
For Low-E Insulated Glass, Add	59.88	
For Obscure Glass, Add	65.87	
08 53 13 00-0364 EA 28" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	287.54	19.25
For Colored Vinyl, Add	24.94	
For Tinted Glass, Add	29.93	
For Low-E Insulated Glass, Add	62.36	
For Obscure Glass, Add	68.59	
08 53 13 00-0365 EA 36" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	307.90	20.44
For Colored Vinyl, Add	26.70	
For Tinted Glass, Add	32.04	
For Low-E Insulated Glass, Add	66.76	
For Obscure Glass, Add	73.44	
08 53 13 00-0366 EA 40" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	321.37	21.61
For Colored Vinyl, Add	27.85	
For Tinted Glass, Add	33.42	
For Low-E Insulated Glass, Add	69.64	
For Obscure Glass, Add	76.60	
08 53 13 00-0367 EA 48" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	341.92	22.99
For Colored Vinyl, Add	29.60	
For Tinted Glass, Add	35.51	
For Low-E Insulated Glass, Add	73.99	
For Obscure Glass, Add	81.39	
<b>08 53 13 00-0368 36" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450)</b> <small>(08 53 13 00-0343)</small>		
08 53 13 00-0369 EA 36" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	325.79	21.81
For Colored Vinyl, Add	28.22	
For Tinted Glass, Add	33.86	
For Low-E Insulated Glass, Add	70.54	
For Obscure Glass, Add	77.60	
08 53 13 00-0370 EA 40" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	339.27	22.79
For Colored Vinyl, Add	29.37	
For Tinted Glass, Add	35.24	
For Low-E Insulated Glass, Add	73.42	
For Obscure Glass, Add	80.76	
08 53 13 00-0371 EA 48" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	361.19	24.36
For Colored Vinyl, Add	31.25	
For Tinted Glass, Add	37.50	
For Low-E Insulated Glass, Add	78.12	
For Obscure Glass, Add	85.93	
<b>08 53 13 00-0372 Replacement, Awning Vinyl Windows (Silver Line 7400)</b> <small>(08 53 13 00-0341)</small>		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0373 EA Up To 53" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	256.64	16.70
For Colored Vinyl, Add	22.32	
For Tinted Glass, Add	26.79	
For Low-E Insulated Glass, Add	55.81	
For Obscure Glass, Add	61.39	
08 53 13 00-0374 EA >53" To 63" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	297.49	18.66
For Colored Vinyl, Add	26.02	
For Tinted Glass, Add	31.22	
For Low-E Insulated Glass, Add	65.04	
For Obscure Glass, Add	71.54	
08 53 13 00-0375 EA >63" To 73" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	336.68	20.63
For Colored Vinyl, Add	29.54	
For Tinted Glass, Add	35.45	
For Low-E Insulated Glass, Add	73.86	
For Obscure Glass, Add	81.24	
08 53 13 00-0376 EA >73" To 83" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	374.22	22.60
For Colored Vinyl, Add	32.90	
For Tinted Glass, Add	39.48	
For Low-E Insulated Glass, Add	82.26	
For Obscure Glass, Add	90.48	
08 53 13 00-0377 EA >83" To 93" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	410.11	24.56
For Colored Vinyl, Add	36.10	
For Tinted Glass, Add	43.32	
For Low-E Insulated Glass, Add	90.25	
For Obscure Glass, Add	99.27	
08 53 13 00-0378 EA >93" To 101" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	428.41	26.53
For Colored Vinyl, Add	37.54	
For Tinted Glass, Add	45.04	
For Low-E Insulated Glass, Add	93.84	
For Obscure Glass, Add	103.22	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0379	UI		>101" UI, Replacement, Awning Vinyl Window (Silver Line 7400).....	4.23	0.25
			<i>For Colored Vinyl, Add</i>	0.37	
			<i>For Tinted Glass, Add</i>	0.45	
			<i>For Low-E Insulated Glass, Add</i>	0.93	
			<i>For Obscure Glass, Add</i>	1.02	
08 53 13 00-0380			<b>Horizontal Sliding Vinyl Windows</b> (08 53 13)		
08 53 13 00-0381			<b>New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> (08 53 13 00-0380)		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0382			<b>20" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> (08 53 13 00-0381)		
08 53 13 00-0383	EA		36" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	137.84	19.25
			<i>For Colored Vinyl, Add</i>	9.97	
			<i>For Tinted Glass, Add</i>	11.97	
			<i>For Low-E Insulated Glass, Add</i>	24.93	
			<i>For Obscure Glass, Add</i>	27.42	
08 53 13 00-0384	EA		48" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	152.33	21.61
			<i>For Colored Vinyl, Add</i>	10.95	
			<i>For Tinted Glass, Add</i>	13.14	
			<i>For Low-E Insulated Glass, Add</i>	27.38	
			<i>For Obscure Glass, Add</i>	30.11	
08 53 13 00-0385	EA		54" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	159.57	22.60
			<i>For Colored Vinyl, Add</i>	11.44	
			<i>For Tinted Glass, Add</i>	13.73	
			<i>For Low-E Insulated Glass, Add</i>	28.60	
			<i>For Obscure Glass, Add</i>	31.45	
08 53 13 00-0386	EA		60" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	166.81	23.77
			<i>For Colored Vinyl, Add</i>	11.93	
			<i>For Tinted Glass, Add</i>	14.31	
			<i>For Low-E Insulated Glass, Add</i>	29.82	
			<i>For Obscure Glass, Add</i>	32.80	
08 53 13 00-0387	EA		64" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	171.65	24.76
			<i>For Colored Vinyl, Add</i>	12.25	
			<i>For Tinted Glass, Add</i>	14.70	
			<i>For Low-E Insulated Glass, Add</i>	30.63	
			<i>For Obscure Glass, Add</i>	33.70	
08 53 13 00-0388	EA		72" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	181.32	26.13
			<i>For Colored Vinyl, Add</i>	12.91	
			<i>For Tinted Glass, Add</i>	15.49	
			<i>For Low-E Insulated Glass, Add</i>	32.26	
			<i>For Obscure Glass, Add</i>	35.49	
08 53 13 00-0389			<b>24" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> (08 53 13 00-0381)		
08 53 13 00-0390	EA		36" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	144.91	20.04
			<i>For Colored Vinyl, Add</i>	10.52	
			<i>For Tinted Glass, Add</i>	12.63	
			<i>For Low-E Insulated Glass, Add</i>	26.31	
			<i>For Obscure Glass, Add</i>	28.94	
08 53 13 00-0391	EA		48" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	159.84	22.40
			<i>For Colored Vinyl, Add</i>	11.54	
			<i>For Tinted Glass, Add</i>	13.85	
			<i>For Low-E Insulated Glass, Add</i>	28.86	
			<i>For Obscure Glass, Add</i>	31.75	
08 53 13 00-0392	EA		54" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	167.37	23.38
			<i>For Colored Vinyl, Add</i>	12.06	
			<i>For Tinted Glass, Add</i>	14.47	
			<i>For Low-E Insulated Glass, Add</i>	30.15	
			<i>For Obscure Glass, Add</i>	33.17	
08 53 13 00-0393	EA		60" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	174.80	24.56
			<i>For Colored Vinyl, Add</i>	12.57	
			<i>For Tinted Glass, Add</i>	15.08	
			<i>For Low-E Insulated Glass, Add</i>	31.42	
			<i>For Obscure Glass, Add</i>	34.56	
08 53 13 00-0394	EA		64" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	179.77	25.55
			<i>For Colored Vinyl, Add</i>	12.91	
			<i>For Tinted Glass, Add</i>	15.49	
			<i>For Low-E Insulated Glass, Add</i>	32.27	
			<i>For Obscure Glass, Add</i>	35.50	
08 53 13 00-0395	EA		72" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	189.75	26.91
			<i>For Colored Vinyl, Add</i>	13.59	
			<i>For Tinted Glass, Add</i>	16.31	
			<i>For Low-E Insulated Glass, Add</i>	33.98	
			<i>For Obscure Glass, Add</i>	37.38	
08 53 13 00-0396			<b>36" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> (08 53 13 00-0381)		



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Plastic Windows	08 53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0397	EA		36" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	166.27	22.40
			<i>For Colored Vinyl, Add</i>	12.19	
			<i>For Tinted Glass, Add</i>	14.62	
			<i>For Low-E Insulated Glass, Add</i>	30.47	
			<i>For Obscure Glass, Add</i>	33.51	
08 53 13 00-0398	EA		48" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	182.65	24.76
			<i>For Colored Vinyl, Add</i>	13.35	
			<i>For Tinted Glass, Add</i>	16.02	
			<i>For Low-E Insulated Glass, Add</i>	33.38	
			<i>For Obscure Glass, Add</i>	36.72	
08 53 13 00-0399	EA		54" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	190.86	25.74
			<i>For Colored Vinyl, Add</i>	13.94	
			<i>For Tinted Glass, Add</i>	16.73	
			<i>For Low-E Insulated Glass, Add</i>	34.85	
			<i>For Obscure Glass, Add</i>	38.33	
08 53 13 00-0400	EA		60" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	199.05	26.91
			<i>For Colored Vinyl, Add</i>	14.52	
			<i>For Tinted Glass, Add</i>	17.43	
			<i>For Low-E Insulated Glass, Add</i>	36.30	
			<i>For Obscure Glass, Add</i>	39.93	
08 53 13 00-0401	EA		64" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	204.51	27.50
			<i>For Colored Vinyl, Add</i>	14.91	
			<i>For Tinted Glass, Add</i>	17.89	
			<i>For Low-E Insulated Glass, Add</i>	37.28	
			<i>For Obscure Glass, Add</i>	41.00	
08 53 13 00-0402	EA		72" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	215.43	29.28
			<i>For Colored Vinyl, Add</i>	15.69	
			<i>For Tinted Glass, Add</i>	18.83	
			<i>For Low-E Insulated Glass, Add</i>	39.22	
			<i>For Obscure Glass, Add</i>	43.14	
<b>08 53 13 00-0403</b>			<b>42" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> <small>(08 53 13 00-0381)</small>		
08 53 13 00-0404	EA		36" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	176.95	23.58
			<i>For Colored Vinyl, Add</i>	13.02	
			<i>For Tinted Glass, Add</i>	15.62	
			<i>For Low-E Insulated Glass, Add</i>	32.55	
			<i>For Obscure Glass, Add</i>	35.80	
08 53 13 00-0405	EA		48" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	194.06	25.93
			<i>For Colored Vinyl, Add</i>	14.26	
			<i>For Tinted Glass, Add</i>	17.11	
			<i>For Low-E Insulated Glass, Add</i>	35.65	
			<i>For Obscure Glass, Add</i>	39.21	
08 53 13 00-0406	EA		54" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	202.63	26.91
			<i>For Colored Vinyl, Add</i>	14.88	
			<i>For Tinted Glass, Add</i>	17.85	
			<i>For Low-E Insulated Glass, Add</i>	37.20	
			<i>For Obscure Glass, Add</i>	40.92	
08 53 13 00-0407	EA		60" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	211.17	28.10
			<i>For Colored Vinyl, Add</i>	15.50	
			<i>For Tinted Glass, Add</i>	18.60	
			<i>For Low-E Insulated Glass, Add</i>	38.75	
			<i>For Obscure Glass, Add</i>	42.62	
08 53 13 00-0408	EA		64" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	216.86	29.07
			<i>For Colored Vinyl, Add</i>	15.91	
			<i>For Tinted Glass, Add</i>	19.09	
			<i>For Low-E Insulated Glass, Add</i>	39.78	
			<i>For Obscure Glass, Add</i>	43.75	
08 53 13 00-0409	EA		72" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	228.28	30.45
			<i>For Colored Vinyl, Add</i>	16.74	
			<i>For Tinted Glass, Add</i>	20.08	
			<i>For Low-E Insulated Glass, Add</i>	41.84	
			<i>For Obscure Glass, Add</i>	46.03	
<b>08 53 13 00-0410</b>			<b>44" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> <small>(08 53 13 00-0381)</small>		
08 53 13 00-0411	EA		36" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	180.51	23.97
			<i>For Colored Vinyl, Add</i>	13.30	
			<i>For Tinted Glass, Add</i>	15.96	
			<i>For Low-E Insulated Glass, Add</i>	33.24	
			<i>For Obscure Glass, Add</i>	36.57	
08 53 13 00-0412	EA		48" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	197.87	26.33
			<i>For Colored Vinyl, Add</i>	14.56	
			<i>For Tinted Glass, Add</i>	17.47	
			<i>For Low-E Insulated Glass, Add</i>	36.40	
			<i>For Obscure Glass, Add</i>	40.04	
08 53 13 00-0413	EA		54" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	206.53	27.31
			<i>For Colored Vinyl, Add</i>	15.19	
			<i>For Tinted Glass, Add</i>	18.23	
			<i>For Low-E Insulated Glass, Add</i>	37.98	
			<i>For Obscure Glass, Add</i>	41.78	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0414	EA		60" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	215.22	28.49
			<i>For Colored Vinyl, Add</i>	15.82	
			<i>For Tinted Glass, Add</i>	18.99	
			<i>For Low-E Insulated Glass, Add</i>	39.56	
			<i>For Obscure Glass, Add</i>	43.52	
08 53 13 00-0415	EA		64" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	221.00	29.47
			<i>For Colored Vinyl, Add</i>	16.25	
			<i>For Tinted Glass, Add</i>	19.49	
			<i>For Low-E Insulated Glass, Add</i>	40.61	
			<i>For Obscure Glass, Add</i>	44.67	
08 53 13 00-0416	EA		72" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	232.56	30.85
			<i>For Colored Vinyl, Add</i>	17.09	
			<i>For Tinted Glass, Add</i>	20.50	
			<i>For Low-E Insulated Glass, Add</i>	42.72	
			<i>For Obscure Glass, Add</i>	46.99	
<b>08 53 13 00-0417</b>			<b>46" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> <small>(08 53 13 00-0381)</small>		
08 53 13 00-0418	EA		36" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	184.07	24.36
			<i>For Colored Vinyl, Add</i>	13.57	
			<i>For Tinted Glass, Add</i>	16.29	
			<i>For Low-E Insulated Glass, Add</i>	33.94	
			<i>For Obscure Glass, Add</i>	37.33	
08 53 13 00-0419	EA		48" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	201.66	26.72
			<i>For Colored Vinyl, Add</i>	14.86	
			<i>For Tinted Glass, Add</i>	17.83	
			<i>For Low-E Insulated Glass, Add</i>	37.15	
			<i>For Obscure Glass, Add</i>	40.87	
08 53 13 00-0420	EA		54" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	210.46	27.71
			<i>For Colored Vinyl, Add</i>	15.51	
			<i>For Tinted Glass, Add</i>	18.61	
			<i>For Low-E Insulated Glass, Add</i>	38.76	
			<i>For Obscure Glass, Add</i>	42.64	
08 53 13 00-0421	EA		60" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	219.24	28.88
			<i>For Colored Vinyl, Add</i>	16.15	
			<i>For Tinted Glass, Add</i>	19.38	
			<i>For Low-E Insulated Glass, Add</i>	40.37	
			<i>For Obscure Glass, Add</i>	44.41	
08 53 13 00-0422	EA		64" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	225.10	29.86
			<i>For Colored Vinyl, Add</i>	16.58	
			<i>For Tinted Glass, Add</i>	19.89	
			<i>For Low-E Insulated Glass, Add</i>	41.44	
			<i>For Obscure Glass, Add</i>	45.59	
08 53 13 00-0423	EA		72" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	236.84	31.24
			<i>For Colored Vinyl, Add</i>	17.44	
			<i>For Tinted Glass, Add</i>	20.92	
			<i>For Low-E Insulated Glass, Add</i>	43.59	
			<i>For Obscure Glass, Add</i>	47.95	
<b>08 53 13 00-0424</b>			<b>48" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> <small>(08 53 13 00-0381)</small>		
08 53 13 00-0425	EA		36" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	187.64	24.76
			<i>For Colored Vinyl, Add</i>	13.85	
			<i>For Tinted Glass, Add</i>	16.62	
			<i>For Low-E Insulated Glass, Add</i>	34.63	
			<i>For Obscure Glass, Add</i>	38.09	
08 53 13 00-0426	EA		48" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	205.47	27.12
			<i>For Colored Vinyl, Add</i>	15.16	
			<i>For Tinted Glass, Add</i>	18.20	
			<i>For Low-E Insulated Glass, Add</i>	37.91	
			<i>For Obscure Glass, Add</i>	41.70	
08 53 13 00-0427	EA		54" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	214.38	28.10
			<i>For Colored Vinyl, Add</i>	15.82	
			<i>For Tinted Glass, Add</i>	18.98	
			<i>For Low-E Insulated Glass, Add</i>	39.55	
			<i>For Obscure Glass, Add</i>	43.50	
08 53 13 00-0428	EA		60" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	223.28	29.28
			<i>For Colored Vinyl, Add</i>	16.47	
			<i>For Tinted Glass, Add</i>	19.77	
			<i>For Low-E Insulated Glass, Add</i>	41.18	
			<i>For Obscure Glass, Add</i>	45.30	
08 53 13 00-0429	EA		64" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	229.23	30.26
			<i>For Colored Vinyl, Add</i>	16.91	
			<i>For Tinted Glass, Add</i>	20.29	
			<i>For Low-E Insulated Glass, Add</i>	42.28	
			<i>For Obscure Glass, Add</i>	46.51	
08 53 13 00-0430	EA		72" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	241.13	31.63
			<i>For Colored Vinyl, Add</i>	17.79	
			<i>For Tinted Glass, Add</i>	21.34	
			<i>For Low-E Insulated Glass, Add</i>	44.47	
			<i>For Obscure Glass, Add</i>	48.91	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 53 13 00-0431 50" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> <small>(08 53 13 00-0381)</small>		
08 53 13 00-0432 EA 36" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	191.20	25.15
For Colored Vinyl, Add	14.13	
For Tinted Glass, Add	16.95	
For Low-E Insulated Glass, Add	35.32	
For Obscure Glass, Add	38.85	
08 53 13 00-0433 EA 48" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	209.26	27.50
For Colored Vinyl, Add	15.46	
For Tinted Glass, Add	18.56	
For Low-E Insulated Glass, Add	38.66	
For Obscure Glass, Add	42.53	
08 53 13 00-0434 EA 54" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	218.29	28.49
For Colored Vinyl, Add	16.13	
For Tinted Glass, Add	19.36	
For Low-E Insulated Glass, Add	40.33	
For Obscure Glass, Add	44.36	
08 53 13 00-0435 EA 60" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	227.31	29.67
For Colored Vinyl, Add	16.80	
For Tinted Glass, Add	20.16	
For Low-E Insulated Glass, Add	42.00	
For Obscure Glass, Add	46.19	
08 53 13 00-0436 EA 64" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	233.35	30.66
For Colored Vinyl, Add	17.24	
For Tinted Glass, Add	20.69	
For Low-E Insulated Glass, Add	43.11	
For Obscure Glass, Add	47.42	
08 53 13 00-0437 EA 72" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	245.40	32.02
For Colored Vinyl, Add	18.14	
For Tinted Glass, Add	21.76	
For Low-E Insulated Glass, Add	45.34	
For Obscure Glass, Add	49.87	
<b>08 53 13 00-0438 52" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> <small>(08 53 13 00-0381)</small>		
08 53 13 00-0439 EA 36" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	194.76	25.55
For Colored Vinyl, Add	14.41	
For Tinted Glass, Add	17.29	
For Low-E Insulated Glass, Add	36.02	
For Obscure Glass, Add	39.62	
08 53 13 00-0440 EA 48" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	213.07	27.90
For Colored Vinyl, Add	15.77	
For Tinted Glass, Add	18.92	
For Low-E Insulated Glass, Add	39.42	
For Obscure Glass, Add	43.36	
08 53 13 00-0441 EA 54" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	222.21	28.88
For Colored Vinyl, Add	16.45	
For Tinted Glass, Add	19.73	
For Low-E Insulated Glass, Add	41.11	
For Obscure Glass, Add	45.22	
08 53 13 00-0442 EA 60" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	231.37	30.06
For Colored Vinyl, Add	17.13	
For Tinted Glass, Add	20.55	
For Low-E Insulated Glass, Add	42.81	
For Obscure Glass, Add	47.09	
08 53 13 00-0443 EA 64" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	237.48	31.04
For Colored Vinyl, Add	17.58	
For Tinted Glass, Add	21.09	
For Low-E Insulated Glass, Add	43.95	
For Obscure Glass, Add	48.34	
08 53 13 00-0444 EA 72" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	249.69	32.42
For Colored Vinyl, Add	18.49	
For Tinted Glass, Add	22.18	
For Low-E Insulated Glass, Add	46.21	
For Obscure Glass, Add	50.83	
<b>08 53 13 00-0445 54" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> <small>(08 53 13 00-0381)</small>		
08 53 13 00-0446 EA 36" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	198.32	25.93
For Colored Vinyl, Add	14.68	
For Tinted Glass, Add	17.62	
For Low-E Insulated Glass, Add	36.71	
For Obscure Glass, Add	40.38	
08 53 13 00-0447 EA 48" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	216.86	28.29
For Colored Vinyl, Add	16.07	
For Tinted Glass, Add	19.28	
For Low-E Insulated Glass, Add	40.17	
For Obscure Glass, Add	44.18	



**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0448 EA 54" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	226.14	29.28
For Colored Vinyl, Add	16.76	
For Tinted Glass, Add	20.11	
For Low-E Insulated Glass, Add	41.90	
For Obscure Glass, Add	46.09	
08 53 13 00-0449 EA 60" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	235.42	30.45
For Colored Vinyl, Add	17.45	
For Tinted Glass, Add	20.94	
For Low-E Insulated Glass, Add	43.63	
For Obscure Glass, Add	47.99	
08 53 13 00-0450 EA 64" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	241.60	31.44
For Colored Vinyl, Add	17.91	
For Tinted Glass, Add	21.49	
For Low-E Insulated Glass, Add	44.78	
For Obscure Glass, Add	49.26	
08 53 13 00-0451 EA 72" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	253.95	32.81
For Colored Vinyl, Add	18.83	
For Tinted Glass, Add	22.60	
For Low-E Insulated Glass, Add	47.08	
For Obscure Glass, Add	51.79	
<b>08 53 13 00-0452 60" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> <small>(08 53 13 00-0381)</small>		
08 53 13 00-0453 EA 36" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	216.32	27.12
For Colored Vinyl, Add	16.25	
For Tinted Glass, Add	19.50	
For Low-E Insulated Glass, Add	40.62	
For Obscure Glass, Add	44.68	
08 53 13 00-0454 EA 48" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	228.27	29.47
For Colored Vinyl, Add	16.97	
For Tinted Glass, Add	20.37	
For Low-E Insulated Glass, Add	42.43	
For Obscure Glass, Add	46.67	
08 53 13 00-0455 EA 54" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	237.91	30.45
For Colored Vinyl, Add	17.70	
For Tinted Glass, Add	21.24	
For Low-E Insulated Glass, Add	44.25	
For Obscure Glass, Add	48.68	
08 53 13 00-0456 EA 60" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	247.54	31.63
For Colored Vinyl, Add	18.43	
For Tinted Glass, Add	22.11	
For Low-E Insulated Glass, Add	46.07	
For Obscure Glass, Add	50.67	
08 53 13 00-0457 EA 64" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	253.97	32.61
For Colored Vinyl, Add	18.91	
For Tinted Glass, Add	22.70	
For Low-E Insulated Glass, Add	47.28	
For Obscure Glass, Add	52.01	
08 53 13 00-0458 EA 72" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	266.80	33.99
For Colored Vinyl, Add	19.88	
For Tinted Glass, Add	23.86	
For Low-E Insulated Glass, Add	49.71	
For Obscure Glass, Add	54.68	
<b>08 53 13 00-0459 Replacement, Horizontal Sliding Vinyl Windows (Silver Line 8700)</b> <small>(08 53 13 00-0380)</small>		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0460 EA Up To 73" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700) .....	228.16	20.63
For Colored Vinyl, Add	18.69	
For Tinted Glass, Add	22.43	
For Low-E Insulated Glass, Add	46.73	
For Obscure Glass, Add	51.40	
08 53 13 00-0461 EA >73" To 83" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700) .....	250.83	22.60
For Colored Vinyl, Add	20.56	
For Tinted Glass, Add	24.68	
For Low-E Insulated Glass, Add	51.41	
For Obscure Glass, Add	56.55	
08 53 13 00-0462 EA >83" To 93" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700) .....	271.86	24.56
For Colored Vinyl, Add	22.27	
For Tinted Glass, Add	26.73	
For Low-E Insulated Glass, Add	55.69	
For Obscure Glass, Add	61.25	
08 53 13 00-0463 EA >93" To 101" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700) .....	286.61	26.53
For Colored Vinyl, Add	23.36	
For Tinted Glass, Add	28.03	
For Low-E Insulated Glass, Add	58.39	
For Obscure Glass, Add	64.23	
08 53 13 00-0464 EA >101" To 110" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700) .....	302.27	28.49
For Colored Vinyl, Add	24.53	
For Tinted Glass, Add	29.43	
For Low-E Insulated Glass, Add	61.32	
For Obscure Glass, Add	67.45	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Plastic Windows	08 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0465 EA >110" To 120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700) .....	328.50	30.45
For Colored Vinyl, Add	26.76	
For Tinted Glass, Add	32.11	
For Low-E Insulated Glass, Add	66.90	
For Obscure Glass, Add	73.59	
08 53 13 00-0466 UI >120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700) .....	2.74	0.25
For Colored Vinyl, Add	0.22	
For Tinted Glass, Add	0.27	
For Low-E Insulated Glass, Add	0.56	
For Obscure Glass, Add	0.61	
<b>08 53 13 00-0467 Basement Vinyl Windows</b> (08 53 13)		
<b>08 53 13 00-0468 New Construction, Basement Vinyl Windows (Silver Line 5900)</b> (08 53 13 00-0467)		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0469 EA 32" x 15", New Construction, Basement Vinyl Window (Silver Line 5900).....	130.55	15.72
For Colored Vinyl, Add	9.91	
For Tinted Glass, Add	11.89	
For Low-E Insulated Glass, Add	24.78	
For Obscure Glass, Add	27.26	
08 53 13 00-0470 EA 32" x 20", New Construction, Basement Vinyl Window (Silver Line 5900).....	142.11	15.72
For Colored Vinyl, Add	11.07	
For Tinted Glass, Add	13.28	
For Low-E Insulated Glass, Add	27.67	
For Obscure Glass, Add	30.43	
08 53 13 00-0471 EA 32" x 23", New Construction, Basement Vinyl Window (Silver Line 5900).....	148.72	15.72
For Colored Vinyl, Add	11.73	
For Tinted Glass, Add	14.07	
For Low-E Insulated Glass, Add	29.32	
For Obscure Glass, Add	32.25	
<b>08 53 13 00-0472 Replacement, Basement Vinyl Windows</b> (08 53 13 00-0467)		
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0473 EA Up To 47" UI, Replacement, Basement Vinyl Window.....	171.06	15.33
For Colored Vinyl, Add	14.04	
For Tinted Glass, Add	16.85	
For Low-E Insulated Glass, Add	35.10	
For Obscure Glass, Add	38.61	
08 53 13 00-0474 EA >47" To 55" UI, Replacement, Basement Vinyl Window.....	189.81	17.68
For Colored Vinyl, Add	15.44	
For Tinted Glass, Add	18.53	
For Low-E Insulated Glass, Add	38.61	
For Obscure Glass, Add	42.47	
08 53 13 00-0475 UI >55" UI, Replacement, Basement Vinyl Window .....	3.32	0.25
For Colored Vinyl, Add	0.28	
For Tinted Glass, Add	0.34	
For Low-E Insulated Glass, Add	0.70	
For Obscure Glass, Add	0.77	
<b>08 53 13 00-0476 Accessories For Vinyl Windows</b> (08 53 13)		
<b>08 53 13 00-0477 Factory Installed Grilles For Vinyl Windows</b> (08 53 13 00-0476)		
<b>08 53 13 00-0478 Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows</b> (08 53 13 00-0477)		
08 53 13 00-0479 EA Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows.....	23.12	
08 53 13 00-0480 EA >9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows .....	29.73	
08 53 13 00-0481 EA >18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows .....	38.29	
08 53 13 00-0482 EA >24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows .....	45.20	
08 53 13 00-0483 EA >36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows .....	55.56	
<b>08 53 13 00-0484 Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows</b> (08 53 13 00-0477)		
08 53 13 00-0485 EA Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	52.56	
08 53 13 00-0486 EA >9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	63.07	
08 53 13 00-0487 EA >18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	79.58	
08 53 13 00-0488 EA >24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	99.11	
08 53 13 00-0489 EA >36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	118.63	
<b>08 53 66 Vinyl Window Screens</b> (08 53)		
<b>08 53 66 00-0001 Insect Screens For Vinyl Windows</b> (08 53 66)		
08 53 66 00-0002 EA Up To 6 SF, Insect Screen For Vinyl Windows .....	22.81	3.89

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 66 00-0003	EA		>6 To 9 SF, Insect Screen For Vinyl Windows.....	31.82	3.89
08 53 66 00-0004	EA		>9 To 12 SF, Insect Screen For Vinyl Windows.....	34.82	3.89
08 53 66 00-0005	EA		>12 To 15 SF, Insect Screen For Vinyl Windows.....	40.83	3.89
08 53 66 00-0006	EA		>15 To 20 SF, Insect Screen For Vinyl Windows.....	54.34	3.89
08 53 66 00-0007	EA		>20 To 25 SF, Insect Screen For Vinyl Windows.....	60.35	3.89
08 53 66 00-0008	EA		>25 To 30 SF, Insect Screen For Vinyl Windows.....	69.36	3.89
08 53 66 00-0009	EA		>30 To 35 SF, Insect Screen For Vinyl Windows.....	75.36	3.89
08 53 66 00-0010	SF		>35 SF, Insect Screen For Vinyl Windows.....	2.29	0.08

**08 54 Composite Windows** (08 50)**08 54 13 Fiberglass Windows** (08 54)

08 54 13 00-0001 Single Hung Fiberglass Windows (08 54 13)

08 54 13 00-0002 New Construction, Single Hung Fiberglass Windows (08 54 13 00-0001)

Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 54 13 00-0003 34" Height, New Construction, Single Hung Fiberglass Windows (08 54 13 00-0002)

08 54 13 00-0004	EA		24" x 34", New Construction, Single Hung Fiberglass Window.....	319.30	18.07
			For Colored Vinyl, Add	28.32	
			For Tinted Glass, Add	33.98	
			For Low-E Insulated Glass, Add	70.79	
			For Obscure Glass, Add	77.87	
08 54 13 00-0005	EA		28" x 34", New Construction, Single Hung Fiberglass Window.....	336.63	18.87
			For Colored Vinyl, Add	29.89	
			For Tinted Glass, Add	35.87	
			For Low-E Insulated Glass, Add	74.73	
			For Obscure Glass, Add	82.20	
08 54 13 00-0006	EA		30" x 34", New Construction, Single Hung Fiberglass Window.....	343.52	19.25
			For Colored Vinyl, Add	30.50	
			For Tinted Glass, Add	36.60	
			For Low-E Insulated Glass, Add	76.25	
			For Obscure Glass, Add	83.88	
08 54 13 00-0007	EA		32" x 34", New Construction, Single Hung Fiberglass Window.....	351.18	19.65
			For Colored Vinyl, Add	31.19	
			For Tinted Glass, Add	37.43	
			For Low-E Insulated Glass, Add	77.97	
			For Obscure Glass, Add	85.77	
08 54 13 00-0008	EA		36" x 34", New Construction, Single Hung Fiberglass Window.....	372.06	20.44
			For Colored Vinyl, Add	33.12	
			For Tinted Glass, Add	39.74	
			For Low-E Insulated Glass, Add	82.80	
			For Obscure Glass, Add	91.08	
08 54 13 00-0009	EA		44" x 34", New Construction, Single Hung Fiberglass Window.....	404.39	22.01
			For Colored Vinyl, Add	36.04	
			For Tinted Glass, Add	43.24	
			For Low-E Insulated Glass, Add	90.09	
			For Obscure Glass, Add	99.10	

08 54 13 00-0010 36" Height, New Construction, Single Hung Fiberglass Windows (08 54 13 00-0002)

08 54 13 00-0011	EA		24" x 36", New Construction, Single Hung Fiberglass Window.....	325.63	18.47
			For Colored Vinyl, Add	28.87	
			For Tinted Glass, Add	34.64	
			For Low-E Insulated Glass, Add	72.17	
			For Obscure Glass, Add	79.39	
08 54 13 00-0012	EA		28" x 36", New Construction, Single Hung Fiberglass Window.....	342.99	18.87
			For Colored Vinyl, Add	30.45	
			For Tinted Glass, Add	36.54	
			For Low-E Insulated Glass, Add	76.12	
			For Obscure Glass, Add	83.73	
08 54 13 00-0013	EA		30" x 36", New Construction, Single Hung Fiberglass Window.....	349.87	19.65
			For Colored Vinyl, Add	31.06	
			For Tinted Glass, Add	37.27	
			For Low-E Insulated Glass, Add	77.65	
			For Obscure Glass, Add	85.41	
08 54 13 00-0014	EA		32" x 36", New Construction, Single Hung Fiberglass Window.....	357.54	20.04
			For Colored Vinyl, Add	31.75	
			For Tinted Glass, Add	38.10	
			For Low-E Insulated Glass, Add	79.37	
			For Obscure Glass, Add	87.30	
08 54 13 00-0015	EA		36" x 36", New Construction, Single Hung Fiberglass Window.....	378.39	20.82
			For Colored Vinyl, Add	33.67	
			For Tinted Glass, Add	40.41	
			For Low-E Insulated Glass, Add	84.19	
			For Obscure Glass, Add	92.60	
08 54 13 00-0016	EA		44" x 36", New Construction, Single Hung Fiberglass Window.....	410.71	22.40
			For Colored Vinyl, Add	36.59	
			For Tinted Glass, Add	43.91	
			For Low-E Insulated Glass, Add	91.48	
			For Obscure Glass, Add	100.63	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Composite Windows	08 54	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 54 13 00-0017 38" Height, New Construction, Single Hung Fiberglass Windows</b> (08 54 13 00-0002)		
08 54 13 00-0018 EA 24" x 38", New Construction, Single Hung Fiberglass Window.....	331.71	18.87
For Colored Vinyl, Add	29.40	
For Tinted Glass, Add	35.28	
For Low-E Insulated Glass, Add	73.50	
For Obscure Glass, Add	80.85	
08 54 13 00-0019 EA 28" x 38", New Construction, Single Hung Fiberglass Window.....	349.07	19.65
For Colored Vinyl, Add	30.98	
For Tinted Glass, Add	37.17	
For Low-E Insulated Glass, Add	77.45	
For Obscure Glass, Add	85.19	
08 54 13 00-0020 EA 30" x 38", New Construction, Single Hung Fiberglass Window.....	356.29	20.04
For Colored Vinyl, Add	31.62	
For Tinted Glass, Add	37.95	
For Low-E Insulated Glass, Add	79.05	
For Obscure Glass, Add	86.96	
08 54 13 00-0021 EA 32" x 38", New Construction, Single Hung Fiberglass Window.....	363.98	20.44
For Colored Vinyl, Add	32.31	
For Tinted Glass, Add	38.77	
For Low-E Insulated Glass, Add	80.78	
For Obscure Glass, Add	88.86	
08 54 13 00-0022 EA 36" x 38", New Construction, Single Hung Fiberglass Window.....	385.23	21.22
For Colored Vinyl, Add	34.28	
For Tinted Glass, Add	41.14	
For Low-E Insulated Glass, Add	85.70	
For Obscure Glass, Add	94.27	
08 54 13 00-0023 EA 44" x 38", New Construction, Single Hung Fiberglass Window.....	418.09	22.79
For Colored Vinyl, Add	37.25	
For Tinted Glass, Add	44.70	
For Low-E Insulated Glass, Add	93.13	
For Obscure Glass, Add	102.44	
<b>08 54 13 00-0024 44" Height, New Construction, Single Hung Fiberglass Windows</b> (08 54 13 00-0002)		
08 54 13 00-0025 EA 24" x 44", New Construction, Single Hung Fiberglass Window.....	350.44	20.04
For Colored Vinyl, Add	31.04	
For Tinted Glass, Add	37.24	
For Low-E Insulated Glass, Add	77.59	
For Obscure Glass, Add	85.35	
08 54 13 00-0026 EA 28" x 44", New Construction, Single Hung Fiberglass Window.....	367.77	20.82
For Colored Vinyl, Add	32.61	
For Tinted Glass, Add	39.13	
For Low-E Insulated Glass, Add	81.53	
For Obscure Glass, Add	89.68	
08 54 13 00-0027 EA 30" x 44", New Construction, Single Hung Fiberglass Window.....	376.17	21.22
For Colored Vinyl, Add	33.37	
For Tinted Glass, Add	40.05	
For Low-E Insulated Glass, Add	83.44	
For Obscure Glass, Add	91.78	
08 54 13 00-0028 EA 32" x 44", New Construction, Single Hung Fiberglass Window.....	383.85	21.61
For Colored Vinyl, Add	34.06	
For Tinted Glass, Add	40.87	
For Low-E Insulated Glass, Add	85.16	
For Obscure Glass, Add	93.67	
08 54 13 00-0029 EA 36" x 44", New Construction, Single Hung Fiberglass Window.....	406.28	22.40
For Colored Vinyl, Add	36.15	
For Tinted Glass, Add	43.38	
For Low-E Insulated Glass, Add	90.37	
For Obscure Glass, Add	99.41	
08 54 13 00-0030 EA 44" x 44", New Construction, Single Hung Fiberglass Window.....	440.57	23.97
For Colored Vinyl, Add	39.26	
For Tinted Glass, Add	47.12	
For Low-E Insulated Glass, Add	98.16	
For Obscure Glass, Add	107.97	
<b>08 54 13 00-0031 46" Height, New Construction, Single Hung Fiberglass Windows</b> (08 54 13 00-0002)		
08 54 13 00-0032 EA 24" x 46", New Construction, Single Hung Fiberglass Window.....	356.76	20.44
For Colored Vinyl, Add	31.59	
For Tinted Glass, Add	37.91	
For Low-E Insulated Glass, Add	78.98	
For Obscure Glass, Add	86.87	
08 54 13 00-0033 EA 28" x 46", New Construction, Single Hung Fiberglass Window.....	374.12	21.22
For Colored Vinyl, Add	33.17	
For Tinted Glass, Add	39.80	
For Low-E Insulated Glass, Add	82.92	
For Obscure Glass, Add	91.21	
08 54 13 00-0034 EA 30" x 46", New Construction, Single Hung Fiberglass Window.....	382.87	21.61
For Colored Vinyl, Add	33.96	
For Tinted Glass, Add	40.76	
For Low-E Insulated Glass, Add	84.91	
For Obscure Glass, Add	93.40	

**08 Openings****08 50 Windows****08 54 Composite Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0035	EA		32" x 46", New Construction, Single Hung Fiberglass Window.....	390.56	22.01
			<i>For Colored Vinyl, Add</i>	34.65	
			<i>For Tinted Glass, Add</i>	41.58	
			<i>For Low-E Insulated Glass, Add</i>	86.64	
			<i>For Obscure Glass, Add</i>	95.30	
08 54 13 00-0036	EA		36" x 46", New Construction, Single Hung Fiberglass Window.....	413.33	22.79
			<i>For Colored Vinyl, Add</i>	36.77	
			<i>For Tinted Glass, Add</i>	44.13	
			<i>For Low-E Insulated Glass, Add</i>	91.94	
			<i>For Obscure Glass, Add</i>	101.13	
08 54 13 00-0037	EA		44" x 46", New Construction, Single Hung Fiberglass Window.....	448.18	24.36
			<i>For Colored Vinyl, Add</i>	39.95	
			<i>For Tinted Glass, Add</i>	47.93	
			<i>For Low-E Insulated Glass, Add</i>	99.86	
			<i>For Obscure Glass, Add</i>	109.85	
<b>08 54 13 00-0038</b>			<b>48" Height, New Construction, Single Hung Fiberglass Windows</b> (08 54 13 00-0002)		
08 54 13 00-0039	EA		24" x 48", New Construction, Single Hung Fiberglass Window.....	363.21	20.82
			<i>For Colored Vinyl, Add</i>	32.16	
			<i>For Tinted Glass, Add</i>	38.59	
			<i>For Low-E Insulated Glass, Add</i>	80.39	
			<i>For Obscure Glass, Add</i>	88.43	
08 54 13 00-0040	EA		28" x 48", New Construction, Single Hung Fiberglass Window.....	380.55	21.61
			<i>For Colored Vinyl, Add</i>	33.73	
			<i>For Tinted Glass, Add</i>	40.48	
			<i>For Low-E Insulated Glass, Add</i>	84.33	
			<i>For Obscure Glass, Add</i>	92.76	
08 54 13 00-0041	EA		30" x 48", New Construction, Single Hung Fiberglass Window.....	389.67	22.01
			<i>For Colored Vinyl, Add</i>	34.57	
			<i>For Tinted Glass, Add</i>	41.48	
			<i>For Low-E Insulated Glass, Add</i>	86.41	
			<i>For Obscure Glass, Add</i>	95.05	
08 54 13 00-0042	EA		32" x 48", New Construction, Single Hung Fiberglass Window.....	397.33	22.40
			<i>For Colored Vinyl, Add</i>	35.25	
			<i>For Tinted Glass, Add</i>	42.30	
			<i>For Low-E Insulated Glass, Add</i>	88.13	
			<i>For Obscure Glass, Add</i>	96.95	
08 54 13 00-0043	EA		36" x 48", New Construction, Single Hung Fiberglass Window.....	420.52	23.18
			<i>For Colored Vinyl, Add</i>	37.42	
			<i>For Tinted Glass, Add</i>	44.90	
			<i>For Low-E Insulated Glass, Add</i>	93.54	
			<i>For Obscure Glass, Add</i>	102.89	
08 54 13 00-0044	EA		44" x 48", New Construction, Single Hung Fiberglass Window.....	455.84	24.76
			<i>For Colored Vinyl, Add</i>	40.63	
			<i>For Tinted Glass, Add</i>	48.76	
			<i>For Low-E Insulated Glass, Add</i>	101.58	
			<i>For Obscure Glass, Add</i>	111.74	
<b>08 54 13 00-0045</b>			<b>50" Height, New Construction, Single Hung Fiberglass Windows</b> (08 54 13 00-0002)		
08 54 13 00-0046	EA		24" x 50", New Construction, Single Hung Fiberglass Window.....	369.27	21.22
			<i>For Colored Vinyl, Add</i>	32.68	
			<i>For Tinted Glass, Add</i>	39.22	
			<i>For Low-E Insulated Glass, Add</i>	81.71	
			<i>For Obscure Glass, Add</i>	89.88	
08 54 13 00-0047	EA		28" x 50", New Construction, Single Hung Fiberglass Window.....	386.64	22.01
			<i>For Colored Vinyl, Add</i>	34.26	
			<i>For Tinted Glass, Add</i>	41.11	
			<i>For Low-E Insulated Glass, Add</i>	85.66	
			<i>For Obscure Glass, Add</i>	94.22	
08 54 13 00-0048	EA		30" x 50", New Construction, Single Hung Fiberglass Window.....	396.13	22.40
			<i>For Colored Vinyl, Add</i>	35.13	
			<i>For Tinted Glass, Add</i>	42.16	
			<i>For Low-E Insulated Glass, Add</i>	87.83	
			<i>For Obscure Glass, Add</i>	96.62	
08 54 13 00-0049	EA		32" x 50", New Construction, Single Hung Fiberglass Window.....	403.82	22.79
			<i>For Colored Vinyl, Add</i>	35.82	
			<i>For Tinted Glass, Add</i>	42.99	
			<i>For Low-E Insulated Glass, Add</i>	89.56	
			<i>For Obscure Glass, Add</i>	98.51	
08 54 13 00-0050	EA		36" x 50", New Construction, Single Hung Fiberglass Window.....	427.35	23.58
			<i>For Colored Vinyl, Add</i>	38.02	
			<i>For Tinted Glass, Add</i>	45.62	
			<i>For Low-E Insulated Glass, Add</i>	95.05	
			<i>For Obscure Glass, Add</i>	104.55	
08 54 13 00-0051	EA		44" x 50", New Construction, Single Hung Fiberglass Window.....	463.15	25.15
			<i>For Colored Vinyl, Add</i>	41.29	
			<i>For Tinted Glass, Add</i>	49.54	
			<i>For Low-E Insulated Glass, Add</i>	103.21	
			<i>For Obscure Glass, Add</i>	113.53	
<b>08 54 13 00-0052</b>			<b>52" Height, New Construction, Single Hung Fiberglass Windows</b> (08 54 13 00-0002)		



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Windows</b>	<b>08 50</b>	
<b>Composite Windows</b>	<b>08 54</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0053	EA		24" x 52", New Construction, Single Hung Fiberglass Window.....	375.41	21.61
			<i>For Colored Vinyl, Add</i>	33.22	
			<i>For Tinted Glass, Add</i>	39.86	
			<i>For Low-E Insulated Glass, Add</i>	83.05	
			<i>For Obscure Glass, Add</i>	91.35	
08 54 13 00-0054	EA		28" x 52", New Construction, Single Hung Fiberglass Window.....	392.77	22.40
			<i>For Colored Vinyl, Add</i>	34.80	
			<i>For Tinted Glass, Add</i>	41.76	
			<i>For Low-E Insulated Glass, Add</i>	86.99	
			<i>For Obscure Glass, Add</i>	95.69	
08 54 13 00-0055	EA		30" x 52", New Construction, Single Hung Fiberglass Window.....	402.66	22.79
			<i>For Colored Vinyl, Add</i>	35.71	
			<i>For Tinted Glass, Add</i>	42.85	
			<i>For Low-E Insulated Glass, Add</i>	89.27	
			<i>For Obscure Glass, Add</i>	98.19	
08 54 13 00-0056	EA		32" x 52", New Construction, Single Hung Fiberglass Window.....	410.32	23.18
			<i>For Colored Vinyl, Add</i>	36.40	
			<i>For Tinted Glass, Add</i>	43.67	
			<i>For Low-E Insulated Glass, Add</i>	90.99	
			<i>For Obscure Glass, Add</i>	100.09	
08 54 13 00-0057	EA		36" x 52", New Construction, Single Hung Fiberglass Window.....	434.27	23.97
			<i>For Colored Vinyl, Add</i>	38.63	
			<i>For Tinted Glass, Add</i>	46.36	
			<i>For Low-E Insulated Glass, Add</i>	96.58	
			<i>For Obscure Glass, Add</i>	106.24	
08 54 13 00-0058	EA		44" x 52", New Construction, Single Hung Fiberglass Window.....	470.57	25.55
			<i>For Colored Vinyl, Add</i>	41.95	
			<i>For Tinted Glass, Add</i>	50.34	
			<i>For Low-E Insulated Glass, Add</i>	104.87	
			<i>For Obscure Glass, Add</i>	115.36	
<b>08 54 13 00-0059</b>			<b>54" Height, New Construction, Single Hung Fiberglass Windows</b> (08 54 13 00-0002)		
08 54 13 00-0060	EA		24" x 54", New Construction, Single Hung Fiberglass Window.....	381.52	22.01
			<i>For Colored Vinyl, Add</i>	33.75	
			<i>For Tinted Glass, Add</i>	40.50	
			<i>For Low-E Insulated Glass, Add</i>	84.38	
			<i>For Obscure Glass, Add</i>	92.81	
08 54 13 00-0061	EA		28" x 54", New Construction, Single Hung Fiberglass Window.....	398.88	22.79
			<i>For Colored Vinyl, Add</i>	35.33	
			<i>For Tinted Glass, Add</i>	42.39	
			<i>For Low-E Insulated Glass, Add</i>	88.32	
			<i>For Obscure Glass, Add</i>	97.15	
08 54 13 00-0062	EA		30" x 54", New Construction, Single Hung Fiberglass Window.....	409.12	23.18
			<i>For Colored Vinyl, Add</i>	36.28	
			<i>For Tinted Glass, Add</i>	43.53	
			<i>For Low-E Insulated Glass, Add</i>	90.69	
			<i>For Obscure Glass, Add</i>	99.76	
08 54 13 00-0063	EA		32" x 54", New Construction, Single Hung Fiberglass Window.....	416.81	23.58
			<i>For Colored Vinyl, Add</i>	36.97	
			<i>For Tinted Glass, Add</i>	44.36	
			<i>For Low-E Insulated Glass, Add</i>	92.41	
			<i>For Obscure Glass, Add</i>	101.65	
08 54 13 00-0064	EA		36" x 54", New Construction, Single Hung Fiberglass Window.....	441.10	24.36
			<i>For Colored Vinyl, Add</i>	39.24	
			<i>For Tinted Glass, Add</i>	47.08	
			<i>For Low-E Insulated Glass, Add</i>	98.09	
			<i>For Obscure Glass, Add</i>	107.90	
08 54 13 00-0065	EA		44" x 54", New Construction, Single Hung Fiberglass Window.....	477.88	25.93
			<i>For Colored Vinyl, Add</i>	42.60	
			<i>For Tinted Glass, Add</i>	51.12	
			<i>For Low-E Insulated Glass, Add</i>	106.50	
			<i>For Obscure Glass, Add</i>	117.15	
<b>08 54 13 00-0066</b>			<b>60" Height, New Construction, Single Hung Fiberglass Windows</b> (08 54 13 00-0002)		
08 54 13 00-0067	EA		24" x 60", New Construction, Single Hung Fiberglass Window.....	400.55	23.18
			<i>For Colored Vinyl, Add</i>	35.42	
			<i>For Tinted Glass, Add</i>	42.50	
			<i>For Low-E Insulated Glass, Add</i>	88.55	
			<i>For Obscure Glass, Add</i>	97.40	
08 54 13 00-0068	EA		28" x 60", New Construction, Single Hung Fiberglass Window.....	417.91	23.97
			<i>For Colored Vinyl, Add</i>	37.00	
			<i>For Tinted Glass, Add</i>	44.40	
			<i>For Low-E Insulated Glass, Add</i>	92.49	
			<i>For Obscure Glass, Add</i>	101.74	
08 54 13 00-0069	EA		30" x 60", New Construction, Single Hung Fiberglass Window.....	429.23	24.36
			<i>For Colored Vinyl, Add</i>	38.05	
			<i>For Tinted Glass, Add</i>	45.66	
			<i>For Low-E Insulated Glass, Add</i>	95.13	
			<i>For Obscure Glass, Add</i>	104.64	
08 54 13 00-0070	EA		32" x 60", New Construction, Single Hung Fiberglass Window.....	436.91	24.76
			<i>For Colored Vinyl, Add</i>	38.74	
			<i>For Tinted Glass, Add</i>	46.49	
			<i>For Low-E Insulated Glass, Add</i>	96.85	
			<i>For Obscure Glass, Add</i>	106.54	

**08 Openings****08 50 Windows****08 54 Composite Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0071	EA		36" x 60", New Construction, Single Hung Fiberglass Window.....	462.35	25.55
			<i>For Colored Vinyl, Add</i>	41.13	
			<i>For Tinted Glass, Add</i>	49.35	
			<i>For Low-E Insulated Glass, Add</i>	102.82	
			<i>For Obscure Glass, Add</i>	113.10	
08 54 13 00-0072	EA		44" x 60", New Construction, Single Hung Fiberglass Window.....	500.65	27.12
			<i>For Colored Vinyl, Add</i>	44.64	
			<i>For Tinted Glass, Add</i>	53.57	
			<i>For Low-E Insulated Glass, Add</i>	111.61	
			<i>For Obscure Glass, Add</i>	122.77	
<b>08 54 13 00-0073</b>			<b>62" Height, New Construction, Single Hung Fiberglass Windows</b> <small>(08 54 13 00-0002)</small>		
08 54 13 00-0074	EA		24" x 62", New Construction, Single Hung Fiberglass Window.....	406.68	23.58
			<i>For Colored Vinyl, Add</i>	35.95	
			<i>For Tinted Glass, Add</i>	43.14	
			<i>For Low-E Insulated Glass, Add</i>	89.88	
			<i>For Obscure Glass, Add</i>	98.87	
08 54 13 00-0075	EA		28" x 62", New Construction, Single Hung Fiberglass Window.....	424.02	24.36
			<i>For Colored Vinyl, Add</i>	37.53	
			<i>For Tinted Glass, Add</i>	45.03	
			<i>For Low-E Insulated Glass, Add</i>	93.82	
			<i>For Obscure Glass, Add</i>	103.20	
08 54 13 00-0076	EA		30" x 62", New Construction, Single Hung Fiberglass Window.....	435.80	24.76
			<i>For Colored Vinyl, Add</i>	38.63	
			<i>For Tinted Glass, Add</i>	46.35	
			<i>For Low-E Insulated Glass, Add</i>	96.57	
			<i>For Obscure Glass, Add</i>	106.23	
08 54 13 00-0077	EA		32" x 62", New Construction, Single Hung Fiberglass Window.....	443.47	25.15
			<i>For Colored Vinyl, Add</i>	39.32	
			<i>For Tinted Glass, Add</i>	47.18	
			<i>For Low-E Insulated Glass, Add</i>	98.29	
			<i>For Obscure Glass, Add</i>	108.12	
08 54 13 00-0078	EA		36" x 62", New Construction, Single Hung Fiberglass Window.....	469.26	25.93
			<i>For Colored Vinyl, Add</i>	41.74	
			<i>For Tinted Glass, Add</i>	50.09	
			<i>For Low-E Insulated Glass, Add</i>	104.35	
			<i>For Obscure Glass, Add</i>	114.78	
08 54 13 00-0079	EA		44" x 62", New Construction, Single Hung Fiberglass Window.....	508.11	27.50
			<i>For Colored Vinyl, Add</i>	45.31	
			<i>For Tinted Glass, Add</i>	54.37	
			<i>For Low-E Insulated Glass, Add</i>	113.27	
			<i>For Obscure Glass, Add</i>	124.60	
<b>08 54 13 00-0080</b>			<b>66" Height, New Construction, Single Hung Fiberglass Windows</b> <small>(08 54 13 00-0002)</small>		
08 54 13 00-0081	EA		24" x 66", New Construction, Single Hung Fiberglass Window.....	419.19	24.36
			<i>For Colored Vinyl, Add</i>	37.05	
			<i>For Tinted Glass, Add</i>	44.46	
			<i>For Low-E Insulated Glass, Add</i>	92.62	
			<i>For Obscure Glass, Add</i>	101.88	
08 54 13 00-0082	EA		28" x 66", New Construction, Single Hung Fiberglass Window.....	436.54	25.15
			<i>For Colored Vinyl, Add</i>	38.62	
			<i>For Tinted Glass, Add</i>	46.35	
			<i>For Low-E Insulated Glass, Add</i>	96.56	
			<i>For Obscure Glass, Add</i>	106.22	
08 54 13 00-0083	EA		30" x 66", New Construction, Single Hung Fiberglass Window.....	449.01	25.55
			<i>For Colored Vinyl, Add</i>	39.79	
			<i>For Tinted Glass, Add</i>	47.75	
			<i>For Low-E Insulated Glass, Add</i>	99.48	
			<i>For Obscure Glass, Add</i>	109.43	
08 54 13 00-0084	EA		32" x 66", New Construction, Single Hung Fiberglass Window.....	456.68	25.93
			<i>For Colored Vinyl, Add</i>	40.48	
			<i>For Tinted Glass, Add</i>	48.58	
			<i>For Low-E Insulated Glass, Add</i>	101.20	
			<i>For Obscure Glass, Add</i>	111.32	
08 54 13 00-0085	EA		36" x 66", New Construction, Single Hung Fiberglass Window.....	483.28	26.72
			<i>For Colored Vinyl, Add</i>	42.98	
			<i>For Tinted Glass, Add</i>	51.58	
			<i>For Low-E Insulated Glass, Add</i>	107.46	
			<i>For Obscure Glass, Add</i>	118.21	
08 54 13 00-0086	EA		44" x 66", New Construction, Single Hung Fiberglass Window.....	523.06	28.29
			<i>For Colored Vinyl, Add</i>	46.65	
			<i>For Tinted Glass, Add</i>	55.98	
			<i>For Low-E Insulated Glass, Add</i>	116.62	
			<i>For Obscure Glass, Add</i>	128.28	
<b>08 54 13 00-0087</b>			<b>72" Height, New Construction, Single Hung Fiberglass Windows</b> <small>(08 54 13 00-0002)</small>		
08 54 13 00-0088	EA		24" x 72", New Construction, Single Hung Fiberglass Window.....	438.21	25.55
			<i>For Colored Vinyl, Add</i>	38.71	
			<i>For Tinted Glass, Add</i>	46.46	
			<i>For Low-E Insulated Glass, Add</i>	96.78	
			<i>For Obscure Glass, Add</i>	106.46	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Windows</b>	<b>08 50</b>	
<b>Composite Windows</b>	<b>08 54</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0089	EA		28" x 72", New Construction, Single Hung Fiberglass Window.....	455.55	26.33
			For Colored Vinyl, Add	40.29	
			For Tinted Glass, Add	48.35	
			For Low-E Insulated Glass, Add	100.73	
			For Obscure Glass, Add	110.80	
08 54 13 00-0090	EA		30" x 72", New Construction, Single Hung Fiberglass Window.....	468.03	26.72
			For Colored Vinyl, Add	41.46	
			For Tinted Glass, Add	49.75	
			For Low-E Insulated Glass, Add	103.65	
			For Obscure Glass, Add	114.01	
08 54 13 00-0091	EA		32" x 72", New Construction, Single Hung Fiberglass Window.....	475.71	27.12
			For Colored Vinyl, Add	42.15	
			For Tinted Glass, Add	50.58	
			For Low-E Insulated Glass, Add	105.37	
			For Obscure Glass, Add	115.91	
08 54 13 00-0092	EA		36" x 72", New Construction, Single Hung Fiberglass Window.....	502.32	27.90
			For Colored Vinyl, Add	44.65	
			For Tinted Glass, Add	53.58	
			For Low-E Insulated Glass, Add	111.63	
			For Obscure Glass, Add	122.79	
08 54 13 00-0093	EA		44" x 72", New Construction, Single Hung Fiberglass Window.....	542.10	29.47
			For Colored Vinyl, Add	48.32	
			For Tinted Glass, Add	57.98	
			For Low-E Insulated Glass, Add	120.79	
			For Obscure Glass, Add	132.87	
<b>08 54 13 00-0094</b>			<b>Replacement, Single Hung Fiberglass Windows</b> <small>(08 54 13 00-0001)</small>		
			Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 54 13 00-0095	EA		Up To 73" UI, Replacement, Single Hung Fiberglass Window .....	495.60	20.63
			For Colored Vinyl, Add	45.43	
			For Tinted Glass, Add	54.52	
			For Low-E Insulated Glass, Add	113.59	
			For Obscure Glass, Add	124.94	
08 54 13 00-0096	EA		>73" To 83" UI, Replacement, Single Hung Fiberglass Window.....	543.33	22.60
			For Colored Vinyl, Add	49.81	
			For Tinted Glass, Add	59.78	
			For Low-E Insulated Glass, Add	124.54	
			For Obscure Glass, Add	136.99	
08 54 13 00-0097	EA		>83" To 93" UI, Replacement, Single Hung Fiberglass Window.....	586.60	24.56
			For Colored Vinyl, Add	53.75	
			For Tinted Glass, Add	64.50	
			For Low-E Insulated Glass, Add	134.37	
			For Obscure Glass, Add	147.81	
08 54 13 00-0098	EA		>93" To 101" UI, Replacement, Single Hung Fiberglass Window.....	614.31	26.53
			For Colored Vinyl, Add	56.13	
			For Tinted Glass, Add	67.35	
			For Low-E Insulated Glass, Add	140.32	
			For Obscure Glass, Add	154.35	
08 54 13 00-0099	EA		>101" To 110" UI, Replacement, Single Hung Fiberglass Window.....	643.80	28.49
			For Colored Vinyl, Add	58.68	
			For Tinted Glass, Add	70.42	
			For Low-E Insulated Glass, Add	146.71	
			For Obscure Glass, Add	161.38	
08 54 13 00-0100	EA		>110" To 120" UI, Replacement, Single Hung Fiberglass Window.....	701.09	30.45
			For Colored Vinyl, Add	64.02	
			For Tinted Glass, Add	76.82	
			For Low-E Insulated Glass, Add	160.05	
			For Obscure Glass, Add	176.05	
08 54 13 00-0101	UI		>120" UI, Replacement, Single Hung Fiberglass Window .....	5.85	0.25
			For Colored Vinyl, Add	0.53	
			For Tinted Glass, Add	0.64	
			For Low-E Insulated Glass, Add	1.34	
			For Obscure Glass, Add	1.47	
<b>08 54 13 00-0102</b>			<b>Double Hung Fiberglass Windows</b> <small>(08 54 13)</small>		
<b>08 54 13 00-0103</b>			<b>New Construction, Double Hung Fiberglass Windows</b> <small>(08 54 13 00-0102)</small>		
			Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
<b>08 54 13 00-0104</b>			<b>34" Height, New Construction, Double Hung Fiberglass Windows</b> <small>(08 54 13 00-0103)</small>		
08 54 13 00-0105	EA		24" x 34", New Construction, Double Hung Fiberglass Window .....	490.31	18.07
			For Colored Vinyl, Add	45.42	
			For Tinted Glass, Add	54.50	
			For Low-E Insulated Glass, Add	113.54	
			For Obscure Glass, Add	124.89	
08 54 13 00-0106	EA		28" x 34", New Construction, Double Hung Fiberglass Window .....	507.66	18.87
			For Colored Vinyl, Add	46.99	
			For Tinted Glass, Add	56.39	
			For Low-E Insulated Glass, Add	117.49	
			For Obscure Glass, Add	129.23	



**08 Openings****08 50 Windows****08 54 Composite Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0107	EA		30" x 34", New Construction, Double Hung Fiberglass Window .....	516.00	19.25
			<i>For Colored Vinyl, Add</i>	47.75	
			<i>For Tinted Glass, Add</i>	57.30	
			<i>For Low-E Insulated Glass, Add</i>	119.37	
			<i>For Obscure Glass, Add</i>	131.31	
08 54 13 00-0108	EA		32" x 34", New Construction, Double Hung Fiberglass Window .....	523.69	19.65
			<i>For Colored Vinyl, Add</i>	48.44	
			<i>For Tinted Glass, Add</i>	58.13	
			<i>For Low-E Insulated Glass, Add</i>	121.10	
			<i>For Obscure Glass, Add</i>	133.21	
08 54 13 00-0109	EA		36" x 34", New Construction, Double Hung Fiberglass Window .....	543.07	20.44
			<i>For Colored Vinyl, Add</i>	50.22	
			<i>For Tinted Glass, Add</i>	60.27	
			<i>For Low-E Insulated Glass, Add</i>	125.55	
			<i>For Obscure Glass, Add</i>	138.11	
08 54 13 00-0110	EA		44" x 34", New Construction, Double Hung Fiberglass Window .....	573.48	22.01
			<i>For Colored Vinyl, Add</i>	52.95	
			<i>For Tinted Glass, Add</i>	63.54	
			<i>For Low-E Insulated Glass, Add</i>	132.37	
			<i>For Obscure Glass, Add</i>	145.60	
<b>08 54 13 00-0111</b>			<b>36" Height, New Construction, Double Hung Fiberglass Windows</b> <small>(08 54 13 00-0103)</small>		
08 54 13 00-0112	EA		24" x 36", New Construction, Double Hung Fiberglass Window .....	496.66	18.47
			<i>For Colored Vinyl, Add</i>	45.97	
			<i>For Tinted Glass, Add</i>	55.17	
			<i>For Low-E Insulated Glass, Add</i>	114.93	
			<i>For Obscure Glass, Add</i>	126.42	
08 54 13 00-0113	EA		28" x 36", New Construction, Double Hung Fiberglass Window .....	514.02	19.25
			<i>For Colored Vinyl, Add</i>	47.55	
			<i>For Tinted Glass, Add</i>	57.06	
			<i>For Low-E Insulated Glass, Add</i>	118.88	
			<i>For Obscure Glass, Add</i>	130.77	
08 54 13 00-0114	EA		30" x 36", New Construction, Double Hung Fiberglass Window .....	522.35	19.65
			<i>For Colored Vinyl, Add</i>	48.31	
			<i>For Tinted Glass, Add</i>	57.97	
			<i>For Low-E Insulated Glass, Add</i>	120.77	
			<i>For Obscure Glass, Add</i>	132.84	
08 54 13 00-0115	EA		32" x 36", New Construction, Double Hung Fiberglass Window .....	530.02	20.04
			<i>For Colored Vinyl, Add</i>	48.99	
			<i>For Tinted Glass, Add</i>	58.79	
			<i>For Low-E Insulated Glass, Add</i>	122.49	
			<i>For Obscure Glass, Add</i>	134.73	
08 54 13 00-0116	EA		36" x 36", New Construction, Double Hung Fiberglass Window .....	549.43	20.82
			<i>For Colored Vinyl, Add</i>	50.78	
			<i>For Tinted Glass, Add</i>	60.93	
			<i>For Low-E Insulated Glass, Add</i>	126.95	
			<i>For Obscure Glass, Add</i>	139.64	
08 54 13 00-0117	EA		44" x 36", New Construction, Double Hung Fiberglass Window .....	579.83	22.40
			<i>For Colored Vinyl, Add</i>	53.50	
			<i>For Tinted Glass, Add</i>	64.20	
			<i>For Low-E Insulated Glass, Add</i>	133.76	
			<i>For Obscure Glass, Add</i>	147.13	
<b>08 54 13 00-0118</b>			<b>38" Height, New Construction, Double Hung Fiberglass Windows</b> <small>(08 54 13 00-0103)</small>		
08 54 13 00-0119	EA		24" x 38", New Construction, Double Hung Fiberglass Window .....	502.19	18.87
			<i>For Colored Vinyl, Add</i>	46.45	
			<i>For Tinted Glass, Add</i>	55.74	
			<i>For Low-E Insulated Glass, Add</i>	116.12	
			<i>For Obscure Glass, Add</i>	127.73	
08 54 13 00-0120	EA		28" x 38", New Construction, Double Hung Fiberglass Window .....	519.54	19.65
			<i>For Colored Vinyl, Add</i>	48.03	
			<i>For Tinted Glass, Add</i>	57.63	
			<i>For Low-E Insulated Glass, Add</i>	120.06	
			<i>For Obscure Glass, Add</i>	132.07	
08 54 13 00-0121	EA		30" x 38", New Construction, Double Hung Fiberglass Window .....	528.22	20.04
			<i>For Colored Vinyl, Add</i>	48.81	
			<i>For Tinted Glass, Add</i>	58.58	
			<i>For Low-E Insulated Glass, Add</i>	122.04	
			<i>For Obscure Glass, Add</i>	134.24	
08 54 13 00-0122	EA		32" x 38", New Construction, Double Hung Fiberglass Window .....	535.88	20.44
			<i>For Colored Vinyl, Add</i>	49.50	
			<i>For Tinted Glass, Add</i>	59.40	
			<i>For Low-E Insulated Glass, Add</i>	123.76	
			<i>For Obscure Glass, Add</i>	136.13	
08 54 13 00-0123	EA		36" x 38", New Construction, Double Hung Fiberglass Window .....	555.73	21.22
			<i>For Colored Vinyl, Add</i>	51.33	
			<i>For Tinted Glass, Add</i>	61.60	
			<i>For Low-E Insulated Glass, Add</i>	128.33	
			<i>For Obscure Glass, Add</i>	141.16	
08 54 13 00-0124	EA		44" x 38", New Construction, Double Hung Fiberglass Window .....	586.57	22.79
			<i>For Colored Vinyl, Add</i>	54.10	
			<i>For Tinted Glass, Add</i>	64.92	
			<i>For Low-E Insulated Glass, Add</i>	135.25	
			<i>For Obscure Glass, Add</i>	148.77	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Composite Windows	08 54	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 54 13 00-0125 44" Height, New Construction, Double Hung Fiberglass Windows</b> <small>(08 54 13 00-0103)</small>		
08 54 13 00-0126 EA 24" x 44", New Construction, Double Hung Fiberglass Window .....	521.85	20.04
For Colored Vinyl, Add	48.18	
For Tinted Glass, Add	57.81	
For Low-E Insulated Glass, Add	120.44	
For Obscure Glass, Add	132.49	
08 54 13 00-0127 EA 28" x 44", New Construction, Double Hung Fiberglass Window .....	539.21	20.82
For Colored Vinyl, Add	49.76	
For Tinted Glass, Add	59.71	
For Low-E Insulated Glass, Add	124.39	
For Obscure Glass, Add	136.83	
08 54 13 00-0128 EA 30" x 44", New Construction, Double Hung Fiberglass Window .....	546.02	21.22
For Colored Vinyl, Add	50.36	
For Tinted Glass, Add	60.43	
For Low-E Insulated Glass, Add	125.90	
For Obscure Glass, Add	138.49	
08 54 13 00-0129 EA 32" x 44", New Construction, Double Hung Fiberglass Window .....	553.72	21.61
For Colored Vinyl, Add	51.05	
For Tinted Glass, Add	61.26	
For Low-E Insulated Glass, Add	127.62	
For Obscure Glass, Add	140.38	
08 54 13 00-0130 EA 36" x 44", New Construction, Double Hung Fiberglass Window .....	574.53	22.40
For Colored Vinyl, Add	52.97	
For Tinted Glass, Add	63.57	
For Low-E Insulated Glass, Add	132.43	
For Obscure Glass, Add	145.68	
08 54 13 00-0131 EA 44" x 44", New Construction, Double Hung Fiberglass Window .....	607.60	23.97
For Colored Vinyl, Add	55.97	
For Tinted Glass, Add	67.16	
For Low-E Insulated Glass, Add	139.92	
For Obscure Glass, Add	153.91	
<b>08 54 13 00-0132 46" Height, New Construction, Double Hung Fiberglass Windows</b> <small>(08 54 13 00-0103)</small>		
08 54 13 00-0133 EA 24" x 46", New Construction, Double Hung Fiberglass Window .....	527.35	20.44
For Colored Vinyl, Add	48.65	
For Tinted Glass, Add	58.38	
For Low-E Insulated Glass, Add	121.62	
For Obscure Glass, Add	133.78	
08 54 13 00-0134 EA 28" x 46", New Construction, Double Hung Fiberglass Window .....	544.68	21.22
For Colored Vinyl, Add	50.23	
For Tinted Glass, Add	60.27	
For Low-E Insulated Glass, Add	125.56	
For Obscure Glass, Add	138.12	
08 54 13 00-0135 EA 30" x 46", New Construction, Double Hung Fiberglass Window .....	552.03	21.61
For Colored Vinyl, Add	50.88	
For Tinted Glass, Add	61.06	
For Low-E Insulated Glass, Add	127.20	
For Obscure Glass, Add	139.92	
08 54 13 00-0136 EA 32" x 46", New Construction, Double Hung Fiberglass Window .....	559.70	22.01
For Colored Vinyl, Add	51.57	
For Tinted Glass, Add	61.88	
For Low-E Insulated Glass, Add	128.92	
For Obscure Glass, Add	141.81	
08 54 13 00-0137 EA 36" x 46", New Construction, Double Hung Fiberglass Window .....	580.84	22.79
For Colored Vinyl, Add	53.53	
For Tinted Glass, Add	64.23	
For Low-E Insulated Glass, Add	133.81	
For Obscure Glass, Add	147.19	
08 54 13 00-0138 EA 44" x 46", New Construction, Double Hung Fiberglass Window .....	615.22	24.36
For Colored Vinyl, Add	56.65	
For Tinted Glass, Add	67.98	
For Low-E Insulated Glass, Add	141.62	
For Obscure Glass, Add	155.78	
<b>08 54 13 00-0139 48" Height, New Construction, Double Hung Fiberglass Windows</b> <small>(08 54 13 00-0103)</small>		
08 54 13 00-0140 EA 24" x 48", New Construction, Double Hung Fiberglass Window .....	532.93	20.82
For Colored Vinyl, Add	49.13	
For Tinted Glass, Add	58.95	
For Low-E Insulated Glass, Add	122.82	
For Obscure Glass, Add	135.10	
08 54 13 00-0141 EA 28" x 48", New Construction, Double Hung Fiberglass Window .....	550.29	21.61
For Colored Vinyl, Add	50.71	
For Tinted Glass, Add	60.85	
For Low-E Insulated Glass, Add	126.77	
For Obscure Glass, Add	139.44	
08 54 13 00-0142 EA 30" x 48", New Construction, Double Hung Fiberglass Window .....	557.90	22.01
For Colored Vinyl, Add	51.39	
For Tinted Glass, Add	61.67	
For Low-E Insulated Glass, Add	128.47	
For Obscure Glass, Add	141.32	

**08 Openings****08 50 Windows****08 54 Composite Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0143	EA		32" x 48", New Construction, Double Hung Fiberglass Window .....	565.56	22.40
			<i>For Colored Vinyl, Add</i>	52.08	
			<i>For Tinted Glass, Add</i>	62.49	
			<i>For Low-E Insulated Glass, Add</i>	130.19	
			<i>For Obscure Glass, Add</i>	143.21	
08 54 13 00-0144	EA		36" x 48", New Construction, Double Hung Fiberglass Window .....	587.12	23.18
			<i>For Colored Vinyl, Add</i>	54.08	
			<i>For Tinted Glass, Add</i>	64.89	
			<i>For Low-E Insulated Glass, Add</i>	135.19	
			<i>For Obscure Glass, Add</i>	148.71	
08 54 13 00-0145	EA		44" x 48", New Construction, Double Hung Fiberglass Window .....	622.68	24.76
			<i>For Colored Vinyl, Add</i>	57.32	
			<i>For Tinted Glass, Add</i>	68.78	
			<i>For Low-E Insulated Glass, Add</i>	143.29	
			<i>For Obscure Glass, Add</i>	157.62	
<b>08 54 13 00-0146</b>			<b>50" Height, New Construction, Double Hung Fiberglass Windows</b> (08 54 13 00-0103)		
08 54 13 00-0147	EA		24" x 50", New Construction, Double Hung Fiberglass Window .....	538.43	21.22
			<i>For Colored Vinyl, Add</i>	49.60	
			<i>For Tinted Glass, Add</i>	59.52	
			<i>For Low-E Insulated Glass, Add</i>	124.00	
			<i>For Obscure Glass, Add</i>	136.40	
08 54 13 00-0148	EA		28" x 50", New Construction, Double Hung Fiberglass Window .....	555.80	22.01
			<i>For Colored Vinyl, Add</i>	51.18	
			<i>For Tinted Glass, Add</i>	61.41	
			<i>For Low-E Insulated Glass, Add</i>	127.95	
			<i>For Obscure Glass, Add</i>	140.74	
08 54 13 00-0149	EA		30" x 50", New Construction, Double Hung Fiberglass Window .....	563.82	22.40
			<i>For Colored Vinyl, Add</i>	51.90	
			<i>For Tinted Glass, Add</i>	62.28	
			<i>For Low-E Insulated Glass, Add</i>	129.76	
			<i>For Obscure Glass, Add</i>	142.73	
08 54 13 00-0150	EA		32" x 50", New Construction, Double Hung Fiberglass Window .....	571.51	22.79
			<i>For Colored Vinyl, Add</i>	52.59	
			<i>For Tinted Glass, Add</i>	63.11	
			<i>For Low-E Insulated Glass, Add</i>	131.48	
			<i>For Obscure Glass, Add</i>	144.63	
08 54 13 00-0151	EA		36" x 50", New Construction, Double Hung Fiberglass Window .....	593.44	23.58
			<i>For Colored Vinyl, Add</i>	54.63	
			<i>For Tinted Glass, Add</i>	65.55	
			<i>For Low-E Insulated Glass, Add</i>	136.57	
			<i>For Obscure Glass, Add</i>	150.23	
08 54 13 00-0152	EA		44" x 50", New Construction, Double Hung Fiberglass Window .....	630.27	25.15
			<i>For Colored Vinyl, Add</i>	58.00	
			<i>For Tinted Glass, Add</i>	69.60	
			<i>For Low-E Insulated Glass, Add</i>	144.99	
			<i>For Obscure Glass, Add</i>	159.49	
<b>08 54 13 00-0153</b>			<b>52" Height, New Construction, Double Hung Fiberglass Windows</b> (08 54 13 00-0103)		
08 54 13 00-0154	EA		24" x 52", New Construction, Double Hung Fiberglass Window .....	543.99	21.61
			<i>For Colored Vinyl, Add</i>	50.08	
			<i>For Tinted Glass, Add</i>	60.09	
			<i>For Low-E Insulated Glass, Add</i>	125.19	
			<i>For Obscure Glass, Add</i>	137.71	
08 54 13 00-0155	EA		28" x 52", New Construction, Double Hung Fiberglass Window .....	561.33	22.40
			<i>For Colored Vinyl, Add</i>	51.65	
			<i>For Tinted Glass, Add</i>	61.98	
			<i>For Low-E Insulated Glass, Add</i>	129.13	
			<i>For Obscure Glass, Add</i>	142.05	
08 54 13 00-0156	EA		30" x 52", New Construction, Double Hung Fiberglass Window .....	569.69	22.79
			<i>For Colored Vinyl, Add</i>	52.41	
			<i>For Tinted Glass, Add</i>	62.89	
			<i>For Low-E Insulated Glass, Add</i>	131.03	
			<i>For Obscure Glass, Add</i>	144.13	
08 54 13 00-0157	EA		32" x 52", New Construction, Double Hung Fiberglass Window .....	577.35	23.18
			<i>For Colored Vinyl, Add</i>	53.10	
			<i>For Tinted Glass, Add</i>	63.72	
			<i>For Low-E Insulated Glass, Add</i>	132.75	
			<i>For Obscure Glass, Add</i>	146.02	
08 54 13 00-0158	EA		36" x 52", New Construction, Double Hung Fiberglass Window .....	600.47	23.97
			<i>For Colored Vinyl, Add</i>	55.25	
			<i>For Tinted Glass, Add</i>	66.30	
			<i>For Low-E Insulated Glass, Add</i>	138.13	
			<i>For Obscure Glass, Add</i>	151.95	
08 54 13 00-0159	EA		44" x 52", New Construction, Double Hung Fiberglass Window .....	637.68	25.55
			<i>For Colored Vinyl, Add</i>	58.66	
			<i>For Tinted Glass, Add</i>	70.39	
			<i>For Low-E Insulated Glass, Add</i>	146.65	
			<i>For Obscure Glass, Add</i>	161.32	
<b>08 54 13 00-0160</b>			<b>54" Height, New Construction, Double Hung Fiberglass Windows</b> (08 54 13 00-0103)		



<b>Openings</b>	<b>08</b>
<b>Windows</b>	<b>08 50</b>
<b>Composite Windows</b>	<b>08 54</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0161	EA		24" x 54", New Construction, Double Hung Fiberglass Window .....	549.57	22.01
			<i>For Colored Vinyl, Add</i>	50.56	
			<i>For Tinted Glass, Add</i>	60.67	
			<i>For Low-E Insulated Glass, Add</i>	126.39	
			<i>For Obscure Glass, Add</i>	139.03	
08 54 13 00-0162	EA		28" x 54", New Construction, Double Hung Fiberglass Window .....	566.93	22.79
			<i>For Colored Vinyl, Add</i>	52.13	
			<i>For Tinted Glass, Add</i>	62.56	
			<i>For Low-E Insulated Glass, Add</i>	130.34	
			<i>For Obscure Glass, Add</i>	143.37	
08 54 13 00-0163	EA		30" x 54", New Construction, Double Hung Fiberglass Window .....	575.66	23.18
			<i>For Colored Vinyl, Add</i>	52.93	
			<i>For Tinted Glass, Add</i>	63.51	
			<i>For Low-E Insulated Glass, Add</i>	132.32	
			<i>For Obscure Glass, Add</i>	145.55	
08 54 13 00-0164	EA		32" x 54", New Construction, Double Hung Fiberglass Window .....	583.35	23.58
			<i>For Colored Vinyl, Add</i>	53.62	
			<i>For Tinted Glass, Add</i>	64.34	
			<i>For Low-E Insulated Glass, Add</i>	134.05	
			<i>For Obscure Glass, Add</i>	147.45	
08 54 13 00-0165	EA		36" x 54", New Construction, Double Hung Fiberglass Window .....	607.54	24.36
			<i>For Colored Vinyl, Add</i>	55.88	
			<i>For Tinted Glass, Add</i>	67.06	
			<i>For Low-E Insulated Glass, Add</i>	139.70	
			<i>For Obscure Glass, Add</i>	153.67	
08 54 13 00-0166	EA		44" x 54", New Construction, Double Hung Fiberglass Window .....	645.13	25.93
			<i>For Colored Vinyl, Add</i>	59.33	
			<i>For Tinted Glass, Add</i>	71.19	
			<i>For Low-E Insulated Glass, Add</i>	148.32	
			<i>For Obscure Glass, Add</i>	163.15	
<b>08 54 13 00-0167</b>			<b>60" Height, New Construction, Double Hung Fiberglass Windows</b> (08 54 13 00-0103)		
08 54 13 00-0168	EA		24" x 60", New Construction, Double Hung Fiberglass Window .....	566.28	23.18
			<i>For Colored Vinyl, Add</i>	51.99	
			<i>For Tinted Glass, Add</i>	62.39	
			<i>For Low-E Insulated Glass, Add</i>	129.98	
			<i>For Obscure Glass, Add</i>	142.98	
08 54 13 00-0169	EA		28" x 60", New Construction, Double Hung Fiberglass Window .....	583.64	23.97
			<i>For Colored Vinyl, Add</i>	53.57	
			<i>For Tinted Glass, Add</i>	64.28	
			<i>For Low-E Insulated Glass, Add</i>	133.93	
			<i>For Obscure Glass, Add</i>	147.32	
08 54 13 00-0170	EA		30" x 60", New Construction, Double Hung Fiberglass Window .....	595.01	24.36
			<i>For Colored Vinyl, Add</i>	54.63	
			<i>For Tinted Glass, Add</i>	65.55	
			<i>For Low-E Insulated Glass, Add</i>	136.57	
			<i>For Obscure Glass, Add</i>	150.23	
08 54 13 00-0171	EA		32" x 60", New Construction, Double Hung Fiberglass Window .....	602.67	24.76
			<i>For Colored Vinyl, Add</i>	55.32	
			<i>For Tinted Glass, Add</i>	66.38	
			<i>For Low-E Insulated Glass, Add</i>	138.29	
			<i>For Obscure Glass, Add</i>	152.12	
08 54 13 00-0172	EA		36" x 60", New Construction, Double Hung Fiberglass Window .....	628.57	25.55
			<i>For Colored Vinyl, Add</i>	57.75	
			<i>For Tinted Glass, Add</i>	69.30	
			<i>For Low-E Insulated Glass, Add</i>	144.37	
			<i>For Obscure Glass, Add</i>	158.81	
08 54 13 00-0173	EA		44" x 60", New Construction, Double Hung Fiberglass Window .....	667.59	27.12
			<i>For Colored Vinyl, Add</i>	61.34	
			<i>For Tinted Glass, Add</i>	73.60	
			<i>For Low-E Insulated Glass, Add</i>	153.34	
			<i>For Obscure Glass, Add</i>	168.68	
<b>08 54 13 00-0174</b>			<b>62" Height, New Construction, Double Hung Fiberglass Windows</b> (08 54 13 00-0103)		
08 54 13 00-0175	EA		24" x 62", New Construction, Double Hung Fiberglass Window .....	571.84	23.58
			<i>For Colored Vinyl, Add</i>	52.47	
			<i>For Tinted Glass, Add</i>	62.96	
			<i>For Low-E Insulated Glass, Add</i>	131.17	
			<i>For Obscure Glass, Add</i>	144.29	
08 54 13 00-0176	EA		28" x 62", New Construction, Double Hung Fiberglass Window .....	589.17	24.36
			<i>For Colored Vinyl, Add</i>	54.04	
			<i>For Tinted Glass, Add</i>	64.85	
			<i>For Low-E Insulated Glass, Add</i>	135.11	
			<i>For Obscure Glass, Add</i>	148.62	
08 54 13 00-0177	EA		30" x 62", New Construction, Double Hung Fiberglass Window .....	601.62	24.76
			<i>For Colored Vinyl, Add</i>	55.21	
			<i>For Tinted Glass, Add</i>	66.25	
			<i>For Low-E Insulated Glass, Add</i>	138.03	
			<i>For Obscure Glass, Add</i>	151.83	
08 54 13 00-0178	EA		32" x 62", New Construction, Double Hung Fiberglass Window .....	609.29	25.15
			<i>For Colored Vinyl, Add</i>	55.90	
			<i>For Tinted Glass, Add</i>	67.08	
			<i>For Low-E Insulated Glass, Add</i>	139.75	
			<i>For Obscure Glass, Add</i>	153.72	

**08 Openings****08 50 Windows****08 54 Composite Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0179	EA		36" x 62", New Construction, Double Hung Fiberglass Window .....	635.53	25.93
			<i>For Colored Vinyl, Add</i>	58.37	
			<i>For Tinted Glass, Add</i>	70.04	
			<i>For Low-E Insulated Glass, Add</i>	145.92	
			<i>For Obscure Glass, Add</i>	160.51	
08 54 13 00-0180	EA		44" x 62", New Construction, Double Hung Fiberglass Window .....	675.94	27.50
			<i>For Colored Vinyl, Add</i>	62.09	
			<i>For Tinted Glass, Add</i>	74.51	
			<i>For Low-E Insulated Glass, Add</i>	155.23	
			<i>For Obscure Glass, Add</i>	170.75	
<b>08 54 13 00-0181</b>			<b>66" Height, New Construction, Double Hung Fiberglass Windows</b> <small>(08 54 13 00-0103)</small>		
08 54 13 00-0182	EA		24" x 66", New Construction, Double Hung Fiberglass Window .....	584.52	24.36
			<i>For Colored Vinyl, Add</i>	53.58	
			<i>For Tinted Glass, Add</i>	64.29	
			<i>For Low-E Insulated Glass, Add</i>	133.95	
			<i>For Obscure Glass, Add</i>	147.34	
08 54 13 00-0183	EA		28" x 66", New Construction, Double Hung Fiberglass Window .....	601.88	25.15
			<i>For Colored Vinyl, Add</i>	55.16	
			<i>For Tinted Glass, Add</i>	66.19	
			<i>For Low-E Insulated Glass, Add</i>	137.90	
			<i>For Obscure Glass, Add</i>	151.68	
08 54 13 00-0184	EA		30" x 66", New Construction, Double Hung Fiberglass Window .....	614.88	25.55
			<i>For Colored Vinyl, Add</i>	56.38	
			<i>For Tinted Glass, Add</i>	67.66	
			<i>For Low-E Insulated Glass, Add</i>	140.95	
			<i>For Obscure Glass, Add</i>	155.05	
08 54 13 00-0185	EA		32" x 66", New Construction, Double Hung Fiberglass Window .....	622.55	25.93
			<i>For Colored Vinyl, Add</i>	57.07	
			<i>For Tinted Glass, Add</i>	68.48	
			<i>For Low-E Insulated Glass, Add</i>	142.67	
			<i>For Obscure Glass, Add</i>	156.94	
08 54 13 00-0186	EA		36" x 66", New Construction, Double Hung Fiberglass Window .....	649.64	26.72
			<i>For Colored Vinyl, Add</i>	59.62	
			<i>For Tinted Glass, Add</i>	71.54	
			<i>For Low-E Insulated Glass, Add</i>	149.05	
			<i>For Obscure Glass, Add</i>	163.96	
08 54 13 00-0187	EA		44" x 66", New Construction, Double Hung Fiberglass Window .....	691.91	28.29
			<i>For Colored Vinyl, Add</i>	63.53	
			<i>For Tinted Glass, Add</i>	76.24	
			<i>For Low-E Insulated Glass, Add</i>	158.83	
			<i>For Obscure Glass, Add</i>	174.71	
<b>08 54 13 00-0188</b>			<b>72" Height, New Construction, Double Hung Fiberglass Windows</b> <small>(08 54 13 00-0103)</small>		
08 54 13 00-0189	EA		24" x 72", New Construction, Double Hung Fiberglass Window .....	603.55	25.55
			<i>For Colored Vinyl, Add</i>	55.25	
			<i>For Tinted Glass, Add</i>	66.30	
			<i>For Low-E Insulated Glass, Add</i>	138.12	
			<i>For Obscure Glass, Add</i>	151.93	
08 54 13 00-0190	EA		28" x 72", New Construction, Double Hung Fiberglass Window .....	620.88	26.33
			<i>For Colored Vinyl, Add</i>	56.82	
			<i>For Tinted Glass, Add</i>	68.19	
			<i>For Low-E Insulated Glass, Add</i>	142.06	
			<i>For Obscure Glass, Add</i>	156.26	
08 54 13 00-0191	EA		30" x 72", New Construction, Double Hung Fiberglass Window .....	633.90	26.72
			<i>For Colored Vinyl, Add</i>	58.05	
			<i>For Tinted Glass, Add</i>	69.66	
			<i>For Low-E Insulated Glass, Add</i>	145.12	
			<i>For Obscure Glass, Add</i>	159.63	
08 54 13 00-0192	EA		32" x 72", New Construction, Double Hung Fiberglass Window .....	641.58	27.12
			<i>For Colored Vinyl, Add</i>	58.74	
			<i>For Tinted Glass, Add</i>	70.48	
			<i>For Low-E Insulated Glass, Add</i>	146.84	
			<i>For Obscure Glass, Add</i>	161.52	
08 54 13 00-0193	EA		36" x 72", New Construction, Double Hung Fiberglass Window .....	668.68	27.90
			<i>For Colored Vinyl, Add</i>	61.29	
			<i>For Tinted Glass, Add</i>	73.55	
			<i>For Low-E Insulated Glass, Add</i>	153.22	
			<i>For Obscure Glass, Add</i>	168.54	
08 54 13 00-0194	EA		44" x 72", New Construction, Double Hung Fiberglass Window .....	710.95	29.47
			<i>For Colored Vinyl, Add</i>	65.20	
			<i>For Tinted Glass, Add</i>	78.24	
			<i>For Low-E Insulated Glass, Add</i>	163.00	
			<i>For Obscure Glass, Add</i>	179.30	
<b>08 54 13 00-0195</b>			<b>Replacement, Double Hung Fiberglass Windows</b> <small>(08 54 13 00-0102)</small>		
			Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Windows</b>	<b>08 50</b>	
<b>Composite Windows</b>	<b>08 54</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0196	EA		Up To 73" UI, Replacement, Double Hung Fiberglass Window.....	609.18	20.63
			<i>For Colored Vinyl, Add</i>	56.79	
			<i>For Tinted Glass, Add</i>	68.15	
			<i>For Low-E Insulated Glass, Add</i>	141.98	
			<i>For Obscure Glass, Add</i>	156.18	
08 54 13 00-0197	EA		>73" To 83" UI, Replacement, Double Hung Fiberglass Window .....	672.47	22.60
			<i>For Colored Vinyl, Add</i>	62.73	
			<i>For Tinted Glass, Add</i>	75.27	
			<i>For Low-E Insulated Glass, Add</i>	156.82	
			<i>For Obscure Glass, Add</i>	172.50	
08 54 13 00-0198	EA		>83" To 93" UI, Replacement, Double Hung Fiberglass Window .....	731.29	24.56
			<i>For Colored Vinyl, Add</i>	68.22	
			<i>For Tinted Glass, Add</i>	81.86	
			<i>For Low-E Insulated Glass, Add</i>	170.54	
			<i>For Obscure Glass, Add</i>	187.60	
08 54 13 00-0199	EA		>93" To 101" UI, Replacement, Double Hung Fiberglass Window .....	771.45	26.53
			<i>For Colored Vinyl, Add</i>	71.84	
			<i>For Tinted Glass, Add</i>	86.21	
			<i>For Low-E Insulated Glass, Add</i>	179.60	
			<i>For Obscure Glass, Add</i>	197.56	
08 54 13 00-0200	EA		>101" To 110" UI, Replacement, Double Hung Fiberglass Window .....	814.95	28.49
			<i>For Colored Vinyl, Add</i>	75.80	
			<i>For Tinted Glass, Add</i>	90.96	
			<i>For Low-E Insulated Glass, Add</i>	189.49	
			<i>For Obscure Glass, Add</i>	208.44	
08 54 13 00-0201	EA		>110" To 120" UI, Replacement, Double Hung Fiberglass Window .....	887.79	30.45
			<i>For Colored Vinyl, Add</i>	82.69	
			<i>For Tinted Glass, Add</i>	99.23	
			<i>For Low-E Insulated Glass, Add</i>	206.72	
			<i>For Obscure Glass, Add</i>	227.39	
08 54 13 00-0202	UI		>120" UI, Replacement, Double Hung Fiberglass Window.....	7.39	0.25
			<i>For Colored Vinyl, Add</i>	0.69	
			<i>For Tinted Glass, Add</i>	0.83	
			<i>For Low-E Insulated Glass, Add</i>	1.72	
			<i>For Obscure Glass, Add</i>	1.89	
08 54 13 00-0203			<b>Casement Fiberglass Windows</b> <small>(08 54 13)</small>		
08 54 13 00-0204			<b>New Construction, Casement Fiberglass Windows</b> <small>(08 54 13 00-0203)</small> Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 54 13 00-0205			<b>One Operating Sash, New Construction, Casement Fiberglass Windows</b> <small>(08 54 13 00-0204)</small>		
08 54 13 00-0206			<b>24" Height, One Operating Sash, New Construction, Casement Fiberglass Windows</b> <small>(08 54 13 00-0205)</small>		
08 54 13 00-0207	EA		17" x 24", One Operating Sash, New Construction, Casement Fiberglass Window .....	457.40	14.93
			<i>For Colored Vinyl, Add</i>	42.79	
			<i>For Tinted Glass, Add</i>	51.35	
			<i>For Low-E Insulated Glass, Add</i>	106.98	
			<i>For Obscure Glass, Add</i>	117.68	
08 54 13 00-0208	EA		20" x 24", One Operating Sash, New Construction, Casement Fiberglass Window .....	473.04	15.33
			<i>For Colored Vinyl, Add</i>	44.24	
			<i>For Tinted Glass, Add</i>	53.09	
			<i>For Low-E Insulated Glass, Add</i>	110.60	
			<i>For Obscure Glass, Add</i>	121.65	
08 54 13 00-0209	EA		24" x 24", One Operating Sash, New Construction, Casement Fiberglass Window .....	489.06	16.11
			<i>For Colored Vinyl, Add</i>	45.68	
			<i>For Tinted Glass, Add</i>	54.82	
			<i>For Low-E Insulated Glass, Add</i>	114.21	
			<i>For Obscure Glass, Add</i>	125.63	
08 54 13 00-0210	EA		28" x 24", One Operating Sash, New Construction, Casement Fiberglass Window .....	521.00	16.90
			<i>For Colored Vinyl, Add</i>	48.72	
			<i>For Tinted Glass, Add</i>	58.46	
			<i>For Low-E Insulated Glass, Add</i>	121.80	
			<i>For Obscure Glass, Add</i>	133.98	
08 54 13 00-0211			<b>28" Height, One Operating Sash, New Construction, Casement Fiberglass Windows</b> <small>(08 54 13 00-0205)</small>		
08 54 13 00-0212	EA		17" x 28", One Operating Sash, New Construction, Casement Fiberglass Window .....	485.87	15.72
			<i>For Colored Vinyl, Add</i>	45.48	
			<i>For Tinted Glass, Add</i>	54.58	
			<i>For Low-E Insulated Glass, Add</i>	113.71	
			<i>For Obscure Glass, Add</i>	125.08	
08 54 13 00-0213	EA		20" x 28", One Operating Sash, New Construction, Casement Fiberglass Window .....	503.15	16.11
			<i>For Colored Vinyl, Add</i>	47.09	
			<i>For Tinted Glass, Add</i>	56.51	
			<i>For Low-E Insulated Glass, Add</i>	117.73	
			<i>For Obscure Glass, Add</i>	129.50	

**08 Openings****08 50 Windows****08 54 Composite Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0214	EA		24" x 28", One Operating Sash, New Construction, Casement Fiberglass Window .....	520.78	16.90
			<i>For Colored Vinyl, Add</i>	48.70	
			<i>For Tinted Glass, Add</i>	58.44	
			<i>For Low-E Insulated Glass, Add</i>	121.75	
			<i>For Obscure Glass, Add</i>	133.92	
08 54 13 00-0215	EA		28" x 28", One Operating Sash, New Construction, Casement Fiberglass Window .....	554.66	17.68
			<i>For Colored Vinyl, Add</i>	51.93	
			<i>For Tinted Glass, Add</i>	62.31	
			<i>For Low-E Insulated Glass, Add</i>	129.82	
			<i>For Obscure Glass, Add</i>	142.80	
<b>08 54 13 00-0216 36" Height, One Operating Sash, New Construction, Casement Fiberglass Windows</b> <small>(08 54 13 00-0205)</small>					
08 54 13 00-0217	EA		17" x 36", One Operating Sash, New Construction, Casement Fiberglass Window .....	517.53	16.90
			<i>For Colored Vinyl, Add</i>	48.37	
			<i>For Tinted Glass, Add</i>	58.05	
			<i>For Low-E Insulated Glass, Add</i>	120.93	
			<i>For Obscure Glass, Add</i>	133.03	
08 54 13 00-0218	EA		20" x 36", One Operating Sash, New Construction, Casement Fiberglass Window .....	535.60	17.68
			<i>For Colored Vinyl, Add</i>	50.06	
			<i>For Tinted Glass, Add</i>	60.08	
			<i>For Low-E Insulated Glass, Add</i>	125.16	
			<i>For Obscure Glass, Add</i>	137.67	
08 54 13 00-0219	EA		24" x 36", One Operating Sash, New Construction, Casement Fiberglass Window .....	554.10	18.27
			<i>For Colored Vinyl, Add</i>	51.76	
			<i>For Tinted Glass, Add</i>	62.11	
			<i>For Low-E Insulated Glass, Add</i>	129.39	
			<i>For Obscure Glass, Add</i>	142.33	
08 54 13 00-0220	EA		28" x 36", One Operating Sash, New Construction, Casement Fiberglass Window .....	589.56	19.06
			<i>For Colored Vinyl, Add</i>	55.14	
			<i>For Tinted Glass, Add</i>	66.17	
			<i>For Low-E Insulated Glass, Add</i>	137.86	
			<i>For Obscure Glass, Add</i>	151.65	
<b>08 54 13 00-0221 40" Height, One Operating Sash, New Construction, Casement Fiberglass Windows</b> <small>(08 54 13 00-0205)</small>					
08 54 13 00-0222	EA		17" x 40", One Operating Sash, New Construction, Casement Fiberglass Window .....	547.36	18.07
			<i>For Colored Vinyl, Add</i>	51.16	
			<i>For Tinted Glass, Add</i>	61.39	
			<i>For Low-E Insulated Glass, Add</i>	127.90	
			<i>For Obscure Glass, Add</i>	140.69	
08 54 13 00-0223	EA		20" x 40", One Operating Sash, New Construction, Casement Fiberglass Window .....	566.58	18.47
			<i>For Colored Vinyl, Add</i>	52.96	
			<i>For Tinted Glass, Add</i>	63.56	
			<i>For Low-E Insulated Glass, Add</i>	132.41	
			<i>For Obscure Glass, Add</i>	145.65	
08 54 13 00-0224	EA		24" x 40", One Operating Sash, New Construction, Casement Fiberglass Window .....	586.21	19.25
			<i>For Colored Vinyl, Add</i>	54.77	
			<i>For Tinted Glass, Add</i>	65.72	
			<i>For Low-E Insulated Glass, Add</i>	136.93	
			<i>For Obscure Glass, Add</i>	150.62	
08 54 13 00-0225	EA		28" x 40", One Operating Sash, New Construction, Casement Fiberglass Window .....	624.86	20.04
			<i>For Colored Vinyl, Add</i>	58.48	
			<i>For Tinted Glass, Add</i>	70.17	
			<i>For Low-E Insulated Glass, Add</i>	146.20	
			<i>For Obscure Glass, Add</i>	160.81	
<b>08 54 13 00-0226 48" Height, One Operating Sash, New Construction, Casement Fiberglass Windows</b> <small>(08 54 13 00-0205)</small>					
08 54 13 00-0227	EA		17" x 48", One Operating Sash, New Construction, Casement Fiberglass Window .....	578.66	19.65
			<i>For Colored Vinyl, Add</i>	53.98	
			<i>For Tinted Glass, Add</i>	64.77	
			<i>For Low-E Insulated Glass, Add</i>	134.94	
			<i>For Obscure Glass, Add</i>	148.43	
08 54 13 00-0228	EA		20" x 48", One Operating Sash, New Construction, Casement Fiberglass Window .....	598.85	20.04
			<i>For Colored Vinyl, Add</i>	55.88	
			<i>For Tinted Glass, Add</i>	67.05	
			<i>For Low-E Insulated Glass, Add</i>	139.69	
			<i>For Obscure Glass, Add</i>	153.66	
08 54 13 00-0229	EA		24" x 48", One Operating Sash, New Construction, Casement Fiberglass Window .....	619.50	20.82
			<i>For Colored Vinyl, Add</i>	57.79	
			<i>For Tinted Glass, Add</i>	69.34	
			<i>For Low-E Insulated Glass, Add</i>	144.46	
			<i>For Obscure Glass, Add</i>	158.91	
08 54 13 00-0230	EA		28" x 48", One Operating Sash, New Construction, Casement Fiberglass Window .....	662.36	21.61
			<i>For Colored Vinyl, Add</i>	61.91	
			<i>For Tinted Glass, Add</i>	74.30	
			<i>For Low-E Insulated Glass, Add</i>	154.78	
			<i>For Obscure Glass, Add</i>	170.26	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Composite Windows	08 54	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 54 13 00-0231 52" Height, One Operating Sash, New Construction, Casement Fiberglass Windows</b> <small>(08 54 13 00-0205)</small>		
08 54 13 00-0232 EA 17" x 52", One Operating Sash, New Construction, Casement Fiberglass Window .....	608.22	20.44
For Colored Vinyl, Add	56.77	
For Tinted Glass, Add	68.13	
For Low-E Insulated Glass, Add	141.94	
For Obscure Glass, Add	156.13	
08 54 13 00-0233 EA 20" x 52", One Operating Sash, New Construction, Casement Fiberglass Window .....	629.77	20.82
For Colored Vinyl, Add	58.81	
For Tinted Glass, Add	70.57	
For Low-E Insulated Glass, Add	147.03	
For Obscure Glass, Add	161.73	
08 54 13 00-0234 EA 24" x 52", One Operating Sash, New Construction, Casement Fiberglass Window .....	651.65	21.61
For Colored Vinyl, Add	60.84	
For Tinted Glass, Add	73.01	
For Low-E Insulated Glass, Add	152.11	
For Obscure Glass, Add	167.32	
08 54 13 00-0235 EA 28" x 52", One Operating Sash, New Construction, Casement Fiberglass Window .....	695.33	22.40
For Colored Vinyl, Add	65.05	
For Tinted Glass, Add	78.06	
For Low-E Insulated Glass, Add	162.63	
For Obscure Glass, Add	178.90	
<b>08 54 13 00-0236 60" Height, One Operating Sash, New Construction, Casement Fiberglass Windows</b> <small>(08 54 13 00-0205)</small>		
08 54 13 00-0237 EA 17" x 60", One Operating Sash, New Construction, Casement Fiberglass Window .....	638.98	21.61
For Colored Vinyl, Add	59.58	
For Tinted Glass, Add	71.49	
For Low-E Insulated Glass, Add	148.94	
For Obscure Glass, Add	163.83	
08 54 13 00-0238 EA 20" x 60", One Operating Sash, New Construction, Casement Fiberglass Window .....	661.80	22.40
For Colored Vinyl, Add	61.74	
For Tinted Glass, Add	74.09	
For Low-E Insulated Glass, Add	154.35	
For Obscure Glass, Add	169.79	
08 54 13 00-0239 EA 24" x 60", One Operating Sash, New Construction, Casement Fiberglass Window .....	685.03	22.99
For Colored Vinyl, Add	63.91	
For Tinted Glass, Add	76.69	
For Low-E Insulated Glass, Add	159.77	
For Obscure Glass, Add	175.74	
08 54 13 00-0240 EA 28" x 60", One Operating Sash, New Construction, Casement Fiberglass Window .....	729.44	23.77
For Colored Vinyl, Add	68.19	
For Tinted Glass, Add	81.83	
For Low-E Insulated Glass, Add	170.48	
For Obscure Glass, Add	187.52	
<b>08 54 13 00-0241 64" Height, One Operating Sash, New Construction, Casement Fiberglass Windows</b> <small>(08 54 13 00-0205)</small>		
08 54 13 00-0242 EA 17" x 64", One Operating Sash, New Construction, Casement Fiberglass Window .....	668.29	22.79
For Colored Vinyl, Add	62.31	
For Tinted Glass, Add	74.77	
For Low-E Insulated Glass, Add	155.78	
For Obscure Glass, Add	171.35	
08 54 13 00-0243 EA 20" x 64", One Operating Sash, New Construction, Casement Fiberglass Window .....	691.78	23.18
For Colored Vinyl, Add	64.54	
For Tinted Glass, Add	77.45	
For Low-E Insulated Glass, Add	161.35	
For Obscure Glass, Add	177.49	
08 54 13 00-0244 EA 24" x 64", One Operating Sash, New Construction, Casement Fiberglass Window .....	716.77	23.97
For Colored Vinyl, Add	66.88	
For Tinted Glass, Add	80.26	
For Low-E Insulated Glass, Add	167.21	
For Obscure Glass, Add	183.93	
08 54 13 00-0245 EA 28" x 64", One Operating Sash, New Construction, Casement Fiberglass Window .....	760.09	24.76
For Colored Vinyl, Add	71.06	
For Tinted Glass, Add	85.27	
For Low-E Insulated Glass, Add	177.65	
For Obscure Glass, Add	195.41	
<b>08 54 13 00-0246 72" Height, One Operating Sash, New Construction, Casement Fiberglass Windows</b> <small>(08 54 13 00-0205)</small>		
08 54 13 00-0247 EA 17" x 72", One Operating Sash, New Construction, Casement Fiberglass Window .....	703.35	23.97
For Colored Vinyl, Add	65.54	
For Tinted Glass, Add	78.65	
For Low-E Insulated Glass, Add	163.85	
For Obscure Glass, Add	180.24	



**08 Openings****08 50 Windows****08 54 Composite Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0248	EA		20" x 72", One Operating Sash, New Construction, Casement Fiberglass Window .....	728.24	24.76
			<i>For Colored Vinyl, Add</i>	67.91	
			<i>For Tinted Glass, Add</i>	81.49	
			<i>For Low-E Insulated Glass, Add</i>	169.78	
			<i>For Obscure Glass, Add</i>	186.76	
08 54 13 00-0249	EA		24" x 72", One Operating Sash, New Construction, Casement Fiberglass Window .....	751.99	25.34
			<i>For Colored Vinyl, Add</i>	70.13	
			<i>For Tinted Glass, Add</i>	84.16	
			<i>For Low-E Insulated Glass, Add</i>	175.33	
			<i>For Obscure Glass, Add</i>	192.86	
08 54 13 00-0250	EA		28" x 72", One Operating Sash, New Construction, Casement Fiberglass Window .....	794.74	26.13
			<i>For Colored Vinyl, Add</i>	74.25	
			<i>For Tinted Glass, Add</i>	89.10	
			<i>For Low-E Insulated Glass, Add</i>	185.62	
			<i>For Obscure Glass, Add</i>	204.18	
08 54 13 00-0251			<b>Two Operating Sashes, New Construction, Casement Fiberglass Windows</b>		
			<small>(08 54 13 00-0204)</small>		
08 54 13 00-0252			<b>36" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows</b>		
			<small>(08 54 13 00-0251)</small>		
08 54 13 00-0253	EA		33" x 36", Two Operating Sashes, New Construction, Casement Fiberglass Window.....	969.17	20.04
			<i>For Colored Vinyl, Add</i>	92.91	
			<i>For Tinted Glass, Add</i>	111.49	
			<i>For Low-E Insulated Glass, Add</i>	232.27	
			<i>For Obscure Glass, Add</i>	255.50	
08 54 13 00-0254	EA		40" x 36", Two Operating Sashes, New Construction, Casement Fiberglass Window.....	1,001.09	21.61
			<i>For Colored Vinyl, Add</i>	95.83	
			<i>For Tinted Glass, Add</i>	114.99	
			<i>For Low-E Insulated Glass, Add</i>	239.57	
			<i>For Obscure Glass, Add</i>	263.52	
08 54 13 00-0255	EA		48" x 36", Two Operating Sashes, New Construction, Casement Fiberglass Window.....	1,033.42	23.18
			<i>For Colored Vinyl, Add</i>	98.75	
			<i>For Tinted Glass, Add</i>	118.49	
			<i>For Low-E Insulated Glass, Add</i>	246.86	
			<i>For Obscure Glass, Add</i>	271.55	
08 54 13 00-0256	EA		56" x 36", Two Operating Sashes, New Construction, Casement Fiberglass Window.....	1,071.22	24.56
			<i>For Colored Vinyl, Add</i>	102.21	
			<i>For Tinted Glass, Add</i>	122.65	
			<i>For Low-E Insulated Glass, Add</i>	255.53	
			<i>For Obscure Glass, Add</i>	281.08	
08 54 13 00-0257			<b>40" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows</b>		
			<small>(08 54 13 00-0251)</small>		
08 54 13 00-0258	EA		33" x 40", Two Operating Sashes, New Construction, Casement Fiberglass Window.....	1,027.32	21.02
			<i>For Colored Vinyl, Add</i>	98.53	
			<i>For Tinted Glass, Add</i>	118.23	
			<i>For Low-E Insulated Glass, Add</i>	246.32	
			<i>For Obscure Glass, Add</i>	270.95	
08 54 13 00-0259	EA		40" x 40", Two Operating Sashes, New Construction, Casement Fiberglass Window.....	1,061.64	22.40
			<i>For Colored Vinyl, Add</i>	101.68	
			<i>For Tinted Glass, Add</i>	122.02	
			<i>For Low-E Insulated Glass, Add</i>	254.21	
			<i>For Obscure Glass, Add</i>	279.63	
08 54 13 00-0260	EA		48" x 40", Two Operating Sashes, New Construction, Casement Fiberglass Window.....	1,096.38	23.97
			<i>For Colored Vinyl, Add</i>	104.84	
			<i>For Tinted Glass, Add</i>	125.81	
			<i>For Low-E Insulated Glass, Add</i>	262.11	
			<i>For Obscure Glass, Add</i>	288.32	
08 54 13 00-0261	EA		56" x 40", Two Operating Sashes, New Construction, Casement Fiberglass Window.....	1,132.70	25.55
			<i>For Colored Vinyl, Add</i>	108.16	
			<i>For Tinted Glass, Add</i>	129.79	
			<i>For Low-E Insulated Glass, Add</i>	270.41	
			<i>For Obscure Glass, Add</i>	297.45	
08 54 13 00-0262			<b>48" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows</b>		
			<small>(08 54 13 00-0251)</small>		
08 54 13 00-0263	EA		33" x 48", Two Operating Sashes, New Construction, Casement Fiberglass Window.....	1,087.78	22.60
			<i>For Colored Vinyl, Add</i>	104.26	
			<i>For Tinted Glass, Add</i>	125.11	
			<i>For Low-E Insulated Glass, Add</i>	260.65	
			<i>For Obscure Glass, Add</i>	286.71	
08 54 13 00-0264	EA		40" x 48", Two Operating Sashes, New Construction, Casement Fiberglass Window.....	1,123.81	23.97
			<i>For Colored Vinyl, Add</i>	107.59	
			<i>For Tinted Glass, Add</i>	129.10	
			<i>For Low-E Insulated Glass, Add</i>	268.97	
			<i>For Obscure Glass, Add</i>	295.86	
08 54 13 00-0265	EA		48" x 48", Two Operating Sashes, New Construction, Casement Fiberglass Window.....	1,160.31	25.55
			<i>For Colored Vinyl, Add</i>	110.92	
			<i>For Tinted Glass, Add</i>	133.11	
			<i>For Low-E Insulated Glass, Add</i>	277.31	
			<i>For Obscure Glass, Add</i>	305.04	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Composite Windows	08 54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0266	EA		56" x 48", Two Operating Sashes, New Construction, Casement Fiberglass Window .....	1,200.66	27.12
			<i>For Colored Vinyl, Add</i>	114.64	
			<i>For Tinted Glass, Add</i>	137.57	
			<i>For Low-E Insulated Glass, Add</i>	286.61	
			<i>For Obscure Glass, Add</i>	315.27	
<b>08 54 13 00-0267</b>			<b>52" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows</b> <small>(08 54 13 00-0251)</small>		
08 54 13 00-0268	EA		33" x 52", Two Operating Sashes, New Construction, Casement Fiberglass Window .....	1,146.50	23.38
			<i>For Colored Vinyl, Add</i>	109.97	
			<i>For Tinted Glass, Add</i>	131.97	
			<i>For Low-E Insulated Glass, Add</i>	274.94	
			<i>For Obscure Glass, Add</i>	302.43	
08 54 13 00-0269	EA		40" x 52", Two Operating Sashes, New Construction, Casement Fiberglass Window .....	1,184.88	24.76
			<i>For Colored Vinyl, Add</i>	113.54	
			<i>For Tinted Glass, Add</i>	136.24	
			<i>For Low-E Insulated Glass, Add</i>	283.84	
			<i>For Obscure Glass, Add</i>	312.23	
08 54 13 00-0270	EA		48" x 52", Two Operating Sashes, New Construction, Casement Fiberglass Window .....	1,223.63	26.33
			<i>For Colored Vinyl, Add</i>	117.10	
			<i>For Tinted Glass, Add</i>	140.52	
			<i>For Low-E Insulated Glass, Add</i>	292.75	
			<i>For Obscure Glass, Add</i>	322.02	
08 54 13 00-0271	EA		56" x 52", Two Operating Sashes, New Construction, Casement Fiberglass Window .....	1,264.79	27.90
			<i>For Colored Vinyl, Add</i>	120.90	
			<i>For Tinted Glass, Add</i>	145.08	
			<i>For Low-E Insulated Glass, Add</i>	302.25	
			<i>For Obscure Glass, Add</i>	332.47	
<b>08 54 13 00-0272</b>			<b>60" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows</b> <small>(08 54 13 00-0251)</small>		
08 54 13 00-0273	EA		33" x 60", Two Operating Sashes, New Construction, Casement Fiberglass Window .....	1,206.44	24.76
			<i>For Colored Vinyl, Add</i>	115.69	
			<i>For Tinted Glass, Add</i>	138.83	
			<i>For Low-E Insulated Glass, Add</i>	289.23	
			<i>For Obscure Glass, Add</i>	318.16	
08 54 13 00-0274	EA		40" x 60", Two Operating Sashes, New Construction, Casement Fiberglass Window .....	1,247.12	26.33
			<i>For Colored Vinyl, Add</i>	119.49	
			<i>For Tinted Glass, Add</i>	143.38	
			<i>For Low-E Insulated Glass, Add</i>	298.71	
			<i>For Obscure Glass, Add</i>	328.58	
08 54 13 00-0275	EA		48" x 60", Two Operating Sashes, New Construction, Casement Fiberglass Window .....	1,288.13	27.90
			<i>For Colored Vinyl, Add</i>	123.27	
			<i>For Tinted Glass, Add</i>	147.93	
			<i>For Low-E Insulated Glass, Add</i>	308.18	
			<i>For Obscure Glass, Add</i>	339.00	
08 54 13 00-0276	EA		56" x 60", Two Operating Sashes, New Construction, Casement Fiberglass Window .....	1,330.04	29.28
			<i>For Colored Vinyl, Add</i>	127.15	
			<i>For Tinted Glass, Add</i>	152.58	
			<i>For Low-E Insulated Glass, Add</i>	317.87	
			<i>For Obscure Glass, Add</i>	349.66	
<b>08 54 13 00-0277</b>			<b>64" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows</b> <small>(08 54 13 00-0251)</small>		
08 54 13 00-0278	EA		33" x 64", Two Operating Sashes, New Construction, Casement Fiberglass Window .....	1,267.44	25.74
			<i>For Colored Vinyl, Add</i>	121.60	
			<i>For Tinted Glass, Add</i>	145.92	
			<i>For Low-E Insulated Glass, Add</i>	303.99	
			<i>For Obscure Glass, Add</i>	334.39	
08 54 13 00-0279	EA		40" x 64", Two Operating Sashes, New Construction, Casement Fiberglass Window .....	1,308.10	27.12
			<i>For Colored Vinyl, Add</i>	125.39	
			<i>For Tinted Glass, Add</i>	150.47	
			<i>For Low-E Insulated Glass, Add</i>	313.47	
			<i>For Obscure Glass, Add</i>	344.82	
08 54 13 00-0280	EA		48" x 64", Two Operating Sashes, New Construction, Casement Fiberglass Window .....	1,348.95	28.69
			<i>For Colored Vinyl, Add</i>	129.16	
			<i>For Tinted Glass, Add</i>	154.99	
			<i>For Low-E Insulated Glass, Add</i>	322.90	
			<i>For Obscure Glass, Add</i>	355.18	
08 54 13 00-0281	EA		56" x 64", Two Operating Sashes, New Construction, Casement Fiberglass Window .....	1,391.04	30.26
			<i>For Colored Vinyl, Add</i>	133.05	
			<i>For Tinted Glass, Add</i>	159.66	
			<i>For Low-E Insulated Glass, Add</i>	332.63	
			<i>For Obscure Glass, Add</i>	365.89	
<b>08 54 13 00-0282</b>			<b>72" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows</b> <small>(08 54 13 00-0251)</small>		

**08 Openings****08 50 Windows****08 54 Composite Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0283	EA		33" x 72", Two Operating Sashes, New Construction, Casement Fiberglass Window.....	1,333.04	27.12
			<i>For Colored Vinyl, Add</i>	127.88	
			<i>For Tinted Glass, Add</i>	153.46	
			<i>For Low-E Insulated Glass, Add</i>	319.71	
			<i>For Obscure Glass, Add</i>	351.68	
08 54 13 00-0284	EA		40" x 72", Two Operating Sashes, New Construction, Casement Fiberglass Window.....	1,373.72	28.69
			<i>For Colored Vinyl, Add</i>	131.67	
			<i>For Tinted Glass, Add</i>	158.01	
			<i>For Low-E Insulated Glass, Add</i>	329.19	
			<i>For Obscure Glass, Add</i>	362.10	
08 54 13 00-0285	EA		48" x 72", Two Operating Sashes, New Construction, Casement Fiberglass Window.....	1,414.78	30.26
			<i>For Colored Vinyl, Add</i>	135.47	
			<i>For Tinted Glass, Add</i>	162.56	
			<i>For Low-E Insulated Glass, Add</i>	338.67	
			<i>For Obscure Glass, Add</i>	372.53	
08 54 13 00-0286	EA		56" x 72", Two Operating Sashes, New Construction, Casement Fiberglass Window.....	1,456.69	31.63
			<i>For Colored Vinyl, Add</i>	139.34	
			<i>For Tinted Glass, Add</i>	167.21	
			<i>For Low-E Insulated Glass, Add</i>	348.36	
			<i>For Obscure Glass, Add</i>	383.19	
08 54 13 00-0287			Three Operating Sashes, New Construction, Casement Fiberglass Windows <small>(08 54 13 00-0204)</small>		
08 54 13 00-0288			36" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows <small>(08 54 13 00-0287)</small>		
08 54 13 00-0289	EA		62" x 36", Three Operating Sashes, New Construction, Casement Fiberglass Window.....	1,191.95	25.55
			<i>For Colored Vinyl, Add</i>	114.09	
			<i>For Tinted Glass, Add</i>	136.90	
			<i>For Low-E Insulated Glass, Add</i>	285.22	
			<i>For Obscure Glass, Add</i>	313.74	
08 54 13 00-0290	EA		72" x 36", Three Operating Sashes, New Construction, Casement Fiberglass Window.....	1,243.94	27.50
			<i>For Colored Vinyl, Add</i>	118.89	
			<i>For Tinted Glass, Add</i>	142.67	
			<i>For Low-E Insulated Glass, Add</i>	297.23	
			<i>For Obscure Glass, Add</i>	326.95	
08 54 13 00-0291	EA		86" x 36", Three Operating Sashes, New Construction, Casement Fiberglass Window.....	1,340.26	30.45
			<i>For Colored Vinyl, Add</i>	127.94	
			<i>For Tinted Glass, Add</i>	153.52	
			<i>For Low-E Insulated Glass, Add</i>	319.84	
			<i>For Obscure Glass, Add</i>	351.82	
08 54 13 00-0292			40" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows <small>(08 54 13 00-0287)</small>		
08 54 13 00-0293	EA		62" x 40", Three Operating Sashes, New Construction, Casement Fiberglass Window.....	1,274.08	26.72
			<i>For Colored Vinyl, Add</i>	122.10	
			<i>For Tinted Glass, Add</i>	146.52	
			<i>For Low-E Insulated Glass, Add</i>	305.26	
			<i>For Obscure Glass, Add</i>	335.78	
08 54 13 00-0294	EA		72" x 40", Three Operating Sashes, New Construction, Casement Fiberglass Window.....	1,326.56	28.49
			<i>For Colored Vinyl, Add</i>	126.96	
			<i>For Tinted Glass, Add</i>	152.35	
			<i>For Low-E Insulated Glass, Add</i>	317.40	
			<i>For Obscure Glass, Add</i>	349.13	
08 54 13 00-0295	EA		86" x 40", Three Operating Sashes, New Construction, Casement Fiberglass Window.....	1,429.35	31.44
			<i>For Colored Vinyl, Add</i>	136.65	
			<i>For Tinted Glass, Add</i>	163.98	
			<i>For Low-E Insulated Glass, Add</i>	341.62	
			<i>For Obscure Glass, Add</i>	375.78	
08 54 13 00-0296			48" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows <small>(08 54 13 00-0287)</small>		
08 54 13 00-0297	EA		62" x 48", Three Operating Sashes, New Construction, Casement Fiberglass Window.....	1,346.29	28.29
			<i>For Colored Vinyl, Add</i>	128.97	
			<i>For Tinted Glass, Add</i>	154.76	
			<i>For Low-E Insulated Glass, Add</i>	322.43	
			<i>For Obscure Glass, Add</i>	354.67	
08 54 13 00-0298	EA		72" x 48", Three Operating Sashes, New Construction, Casement Fiberglass Window.....	1,411.50	30.06
			<i>For Colored Vinyl, Add</i>	135.14	
			<i>For Tinted Glass, Add</i>	162.17	
			<i>For Low-E Insulated Glass, Add</i>	337.85	
			<i>For Obscure Glass, Add</i>	371.63	
08 54 13 00-0299	EA		86" x 48", Three Operating Sashes, New Construction, Casement Fiberglass Window.....	1,519.87	33.01
			<i>For Colored Vinyl, Add</i>	145.39	
			<i>For Tinted Glass, Add</i>	174.46	
			<i>For Low-E Insulated Glass, Add</i>	363.47	
			<i>For Obscure Glass, Add</i>	399.81	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Windows</b>	<b>08 50</b>	
<b>Composite Windows</b>	<b>08 54</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 54 13 00-0300 52" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows</b> <small>(08 54 13 00-0287)</small>		
08 54 13 00-0301 EA 62" x 52", Three Operating Sashes, New Construction, Casement Fiberglass Window.....	1,425.26	29.07
For Colored Vinyl, Add	136.71	
For Tinted Glass, Add	164.05	
For Low-E Insulated Glass, Add	341.78	
For Obscure Glass, Add	375.95	
08 54 13 00-0302 EA 72" x 52", Three Operating Sashes, New Construction, Casement Fiberglass Window.....	1,494.24	31.04
For Colored Vinyl, Add	143.22	
For Tinted Glass, Add	171.86	
For Low-E Insulated Glass, Add	358.04	
For Obscure Glass, Add	393.84	
08 54 13 00-0303 EA 86" x 52", Three Operating Sashes, New Construction, Casement Fiberglass Window.....	1,621.65	33.80
For Colored Vinyl, Add	155.41	
For Tinted Glass, Add	186.49	
For Low-E Insulated Glass, Add	388.52	
For Obscure Glass, Add	427.37	
<b>08 54 13 00-0304 60" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows</b> <small>(08 54 13 00-0287)</small>		
08 54 13 00-0305 EA 62" x 60", Three Operating Sashes, New Construction, Casement Fiberglass Window.....	1,505.37	30.45
For Colored Vinyl, Add	144.45	
For Tinted Glass, Add	173.34	
For Low-E Insulated Glass, Add	361.12	
For Obscure Glass, Add	397.23	
08 54 13 00-0306 EA 72" x 60", Three Operating Sashes, New Construction, Casement Fiberglass Window.....	1,577.73	32.42
For Colored Vinyl, Add	151.29	
For Tinted Glass, Add	181.55	
For Low-E Insulated Glass, Add	378.22	
For Obscure Glass, Add	416.04	
08 54 13 00-0307 EA 86" x 60", Three Operating Sashes, New Construction, Casement Fiberglass Window.....	1,724.60	35.17
For Colored Vinyl, Add	165.43	
For Tinted Glass, Add	198.51	
For Low-E Insulated Glass, Add	413.57	
For Obscure Glass, Add	454.92	
<b>08 54 13 00-0308 64" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows</b> <small>(08 54 13 00-0287)</small>		
08 54 13 00-0309 EA 62" x 64", Three Operating Sashes, New Construction, Casement Fiberglass Window.....	1,594.73	31.44
For Colored Vinyl, Add	153.19	
For Tinted Glass, Add	183.82	
For Low-E Insulated Glass, Add	382.97	
For Obscure Glass, Add	421.26	
08 54 13 00-0310 EA 72" x 64", Three Operating Sashes, New Construction, Casement Fiberglass Window.....	1,667.04	33.40
For Colored Vinyl, Add	160.02	
For Tinted Glass, Add	192.03	
For Low-E Insulated Glass, Add	400.06	
For Obscure Glass, Add	440.07	
08 54 13 00-0311 EA 86" x 64", Three Operating Sashes, New Construction, Casement Fiberglass Window.....	1,813.91	36.15
For Colored Vinyl, Add	174.16	
For Tinted Glass, Add	208.99	
For Low-E Insulated Glass, Add	435.40	
For Obscure Glass, Add	478.94	
<b>08 54 13 00-0312 72" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows</b> <small>(08 54 13 00-0287)</small>		
08 54 13 00-0313 EA 62" x 72", Three Operating Sashes, New Construction, Casement Fiberglass Window.....	1,685.08	32.81
For Colored Vinyl, Add	161.95	
For Tinted Glass, Add	194.34	
For Low-E Insulated Glass, Add	404.87	
For Obscure Glass, Add	445.35	
08 54 13 00-0314 EA 72" x 72", Three Operating Sashes, New Construction, Casement Fiberglass Window.....	1,757.37	34.78
For Colored Vinyl, Add	168.78	
For Tinted Glass, Add	202.54	
For Low-E Insulated Glass, Add	421.96	
For Obscure Glass, Add	464.15	
08 54 13 00-0315 EA 86" x 72", Three Operating Sashes, New Construction, Casement Fiberglass Window.....	1,904.25	37.53
For Colored Vinyl, Add	182.92	
For Tinted Glass, Add	219.50	
For Low-E Insulated Glass, Add	457.30	
For Obscure Glass, Add	503.03	
<b>08 54 13 00-0316 Replacement, Casement Fiberglass Windows</b> <small>(08 54 13 00-0203)</small>		
Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
<b>08 54 13 00-0317 One Operating Sash, Replacement, Casement Fiberglass Windows</b> <small>(08 54 13 00-0316)</small>		

**08 Openings****08 50 Windows****08 54 Composite Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0318 EA Up To 53" UI, One Operating Sash, Replacement, Casement Fiberglass Window .....	598.87	16.70
For Colored Vinyl, Add	56.55	
For Tinted Glass, Add	67.86	
For Low-E Insulated Glass, Add	141.37	
For Obscure Glass, Add	155.50	
08 54 13 00-0319 EA >53 To 63" UI, One Operating Sash, Replacement, Casement Fiberglass Window .....	681.50	18.66
For Colored Vinyl, Add	64.42	
For Tinted Glass, Add	77.30	
For Low-E Insulated Glass, Add	161.04	
For Obscure Glass, Add	177.14	
08 54 13 00-0320 EA >63 To 73" UI, One Operating Sash, Replacement, Casement Fiberglass Window .....	755.23	20.63
For Colored Vinyl, Add	71.40	
For Tinted Glass, Add	85.68	
For Low-E Insulated Glass, Add	178.49	
For Obscure Glass, Add	196.34	
08 54 13 00-0321 EA >73" To 83" UI, One Operating Sash, Replacement, Casement Fiberglass Window .....	820.06	22.60
For Colored Vinyl, Add	77.49	
For Tinted Glass, Add	92.98	
For Low-E Insulated Glass, Add	193.72	
For Obscure Glass, Add	213.09	
08 54 13 00-0322 EA >83" To 93" UI, One Operating Sash, Replacement, Casement Fiberglass Window .....	876.00	24.56
For Colored Vinyl, Add	82.69	
For Tinted Glass, Add	99.23	
For Low-E Insulated Glass, Add	206.72	
For Obscure Glass, Add	227.39	
08 54 13 00-0323 EA >93" To 101" UI, One Operating Sash, Replacement, Casement Fiberglass Window .....	906.17	26.53
For Colored Vinyl, Add	85.31	
For Tinted Glass, Add	102.37	
For Low-E Insulated Glass, Add	213.28	
For Obscure Glass, Add	234.61	
08 54 13 00-0324 UI >101" UI, One Operating Sash, Replacement, Casement Fiberglass Window .....	8.95	0.25
For Colored Vinyl, Add	0.84	
For Tinted Glass, Add	1.01	
For Low-E Insulated Glass, Add	2.11	
For Obscure Glass, Add	2.32	
<b>08 54 13 00-0325 Two Operating Sashes, Replacement, Casement Fiberglass Windows</b> <small>(08 54 13 00-0316)</small>		
08 54 13 00-0326 EA Up To 73" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window .....	1,031.07	20.63
For Colored Vinyl, Add	98.98	
For Tinted Glass, Add	118.78	
For Low-E Insulated Glass, Add	247.45	
For Obscure Glass, Add	272.20	
08 54 13 00-0327 EA >73" To 83" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window .....	1,133.69	22.60
For Colored Vinyl, Add	108.85	
For Tinted Glass, Add	130.62	
For Low-E Insulated Glass, Add	272.13	
For Obscure Glass, Add	299.34	
08 54 13 00-0328 EA >83" To 93" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window .....	1,227.42	24.56
For Colored Vinyl, Add	117.83	
For Tinted Glass, Add	141.40	
For Low-E Insulated Glass, Add	294.58	
For Obscure Glass, Add	324.03	
08 54 13 00-0329 EA >93" To 101" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window .....	1,287.82	26.53
For Colored Vinyl, Add	123.48	
For Tinted Glass, Add	148.17	
For Low-E Insulated Glass, Add	308.69	
For Obscure Glass, Add	339.56	
08 54 13 00-0330 EA >101" To 110" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window .....	1,352.87	28.49
For Colored Vinyl, Add	129.59	
For Tinted Glass, Add	155.51	
For Low-E Insulated Glass, Add	323.97	
For Obscure Glass, Add	356.37	
08 54 13 00-0331 EA >110" To 120" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window .....	1,421.27	30.45
For Colored Vinyl, Add	136.04	
For Tinted Glass, Add	163.24	
For Low-E Insulated Glass, Add	340.09	
For Obscure Glass, Add	374.10	
08 54 13 00-0332 UI >120" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window .....	11.84	0.25
For Colored Vinyl, Add	1.13	
For Tinted Glass, Add	1.36	
For Low-E Insulated Glass, Add	2.83	
For Obscure Glass, Add	3.12	
<b>08 54 13 00-0333 Three Operating Sashes, Replacement, Casement Fiberglass Windows</b> <small>(08 54 13 00-0316)</small>		
08 54 13 00-0334 EA Up To 73" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window .....	1,079.75	20.63
For Colored Vinyl, Add	103.85	
For Tinted Glass, Add	124.62	
For Low-E Insulated Glass, Add	259.62	
For Obscure Glass, Add	285.58	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Windows</b>	<b>08 50</b>	
<b>Composite Windows</b>	<b>08 54</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0335	EA		>73" To 83" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window .....	1,187.71	22.60
			<i>For Colored Vinyl, Add</i>	114.25	
			<i>For Tinted Glass, Add</i>	137.10	
			<i>For Low-E Insulated Glass, Add</i>	285.63	
			<i>For Obscure Glass, Add</i>	314.19	
08 54 13 00-0336	EA		>83" To 93" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window .....	1,289.44	24.56
			<i>For Colored Vinyl, Add</i>	124.03	
			<i>For Tinted Glass, Add</i>	148.84	
			<i>For Low-E Insulated Glass, Add</i>	310.08	
			<i>For Obscure Glass, Add</i>	341.09	
08 54 13 00-0337	EA		>93" To 101" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window .....	1,355.16	26.53
			<i>For Colored Vinyl, Add</i>	130.21	
			<i>For Tinted Glass, Add</i>	156.25	
			<i>For Low-E Insulated Glass, Add</i>	325.53	
			<i>For Obscure Glass, Add</i>	358.08	
08 54 13 00-0338	EA		>101" To 110" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window .....	1,426.22	28.49
			<i>For Colored Vinyl, Add</i>	136.92	
			<i>For Tinted Glass, Add</i>	164.31	
			<i>For Low-E Insulated Glass, Add</i>	342.31	
			<i>For Obscure Glass, Add</i>	376.54	
08 54 13 00-0339	EA		>110" To 120" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window .....	1,501.30	30.45
			<i>For Colored Vinyl, Add</i>	144.04	
			<i>For Tinted Glass, Add</i>	172.85	
			<i>For Low-E Insulated Glass, Add</i>	360.10	
			<i>For Obscure Glass, Add</i>	396.11	
08 54 13 00-0340	UI		>120" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window .....	12.51	0.25
			<i>For Colored Vinyl, Add</i>	1.20	
			<i>For Tinted Glass, Add</i>	1.44	
			<i>For Low-E Insulated Glass, Add</i>	3.00	
			<i>For Obscure Glass, Add</i>	3.30	
08 54 13 00-0341			<b>Awning Fiberglass Windows</b> <small>(08 54 13)</small>		
08 54 13 00-0342			<b>New Construction, Awning Fiberglass Windows</b> <small>(08 54 13 00-0341)</small>		
			Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 54 13 00-0343			<b>Venting, New Construction, Awning Fiberglass Windows</b> <small>(08 54 13 00-0342)</small>		
08 54 13 00-0344			<b>17" Height, Venting, New Construction, Awning Fiberglass Windows</b> <small>(08 54 13 00-0343)</small>		
08 54 13 00-0345	EA		24" x 17", Venting, New Construction, Awning Fiberglass Window .....	606.47	16.11
			<i>For Colored Vinyl, Add</i>	57.42	
			<i>For Tinted Glass, Add</i>	68.91	
			<i>For Low-E Insulated Glass, Add</i>	143.56	
			<i>For Obscure Glass, Add</i>	157.92	
08 54 13 00-0346	EA		28" x 17", Venting, New Construction, Awning Fiberglass Window .....	634.72	16.90
			<i>For Colored Vinyl, Add</i>	60.09	
			<i>For Tinted Glass, Add</i>	72.11	
			<i>For Low-E Insulated Glass, Add</i>	150.23	
			<i>For Obscure Glass, Add</i>	165.25	
08 54 13 00-0347	EA		36" x 17", Venting, New Construction, Awning Fiberglass Window .....	677.48	18.27
			<i>For Colored Vinyl, Add</i>	64.09	
			<i>For Tinted Glass, Add</i>	76.91	
			<i>For Low-E Insulated Glass, Add</i>	160.23	
			<i>For Obscure Glass, Add</i>	176.26	
08 54 13 00-0348	EA		40" x 17", Venting, New Construction, Awning Fiberglass Window .....	704.61	19.25
			<i>For Colored Vinyl, Add</i>	66.61	
			<i>For Tinted Glass, Add</i>	79.93	
			<i>For Low-E Insulated Glass, Add</i>	166.53	
			<i>For Obscure Glass, Add</i>	183.18	
08 54 13 00-0349	EA		48" x 17", Venting, New Construction, Awning Fiberglass Window .....	749.25	20.82
			<i>For Colored Vinyl, Add</i>	70.76	
			<i>For Tinted Glass, Add</i>	84.91	
			<i>For Low-E Insulated Glass, Add</i>	176.90	
			<i>For Obscure Glass, Add</i>	194.59	
08 54 13 00-0350			<b>20" Height, Venting, New Construction, Awning Fiberglass Windows</b> <small>(08 54 13 00-0343)</small>		
08 54 13 00-0351	EA		24" x 20", Venting, New Construction, Awning Fiberglass Window .....	640.98	16.90
			<i>For Colored Vinyl, Add</i>	60.76	
			<i>For Tinted Glass, Add</i>	72.91	
			<i>For Low-E Insulated Glass, Add</i>	151.90	
			<i>For Obscure Glass, Add</i>	167.08	
08 54 13 00-0352	EA		28" x 20", Venting, New Construction, Awning Fiberglass Window .....	669.22	17.68
			<i>For Colored Vinyl, Add</i>	63.43	
			<i>For Tinted Glass, Add</i>	76.11	
			<i>For Low-E Insulated Glass, Add</i>	158.56	
			<i>For Obscure Glass, Add</i>	174.42	
08 54 13 00-0353	EA		36" x 20", Venting, New Construction, Awning Fiberglass Window .....	715.68	18.87
			<i>For Colored Vinyl, Add</i>	67.80	
			<i>For Tinted Glass, Add</i>	81.36	
			<i>For Low-E Insulated Glass, Add</i>	169.49	
			<i>For Obscure Glass, Add</i>	186.44	

**08 Openings****08 50 Windows****08 54 Composite Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0354	EA		40" x 20", Venting, New Construction, Awning Fiberglass Window .....	742.86	20.04
			<i>For Colored Vinyl, Add</i>	70.32	
			<i>For Tinted Glass, Add</i>	84.38	
			<i>For Low-E Insulated Glass, Add</i>	175.79	
			<i>For Obscure Glass, Add</i>	193.37	
08 54 13 00-0355	EA		48" x 20", Venting, New Construction, Awning Fiberglass Window .....	791.16	21.42
			<i>For Colored Vinyl, Add</i>	74.83	
			<i>For Tinted Glass, Add</i>	89.80	
			<i>For Low-E Insulated Glass, Add</i>	187.08	
			<i>For Obscure Glass, Add</i>	205.79	
<b>08 54 13 00-0356</b>			<b>24" Height, Venting, New Construction, Awning Fiberglass Windows</b> <small>(08 54 13 00-0343)</small>		
08 54 13 00-0357	EA		24" x 24", Venting, New Construction, Awning Fiberglass Window .....	661.05	17.68
			<i>For Colored Vinyl, Add</i>	62.61	
			<i>For Tinted Glass, Add</i>	75.13	
			<i>For Low-E Insulated Glass, Add</i>	156.52	
			<i>For Obscure Glass, Add</i>	172.17	
08 54 13 00-0358	EA		28" x 24", Venting, New Construction, Awning Fiberglass Window .....	689.31	18.47
			<i>For Colored Vinyl, Add</i>	65.28	
			<i>For Tinted Glass, Add</i>	78.33	
			<i>For Low-E Insulated Glass, Add</i>	163.19	
			<i>For Obscure Glass, Add</i>	179.51	
08 54 13 00-0359	EA		36" x 24", Venting, New Construction, Awning Fiberglass Window .....	737.61	19.65
			<i>For Colored Vinyl, Add</i>	69.83	
			<i>For Tinted Glass, Add</i>	83.80	
			<i>For Low-E Insulated Glass, Add</i>	174.58	
			<i>For Obscure Glass, Add</i>	192.04	
08 54 13 00-0360	EA		40" x 24", Venting, New Construction, Awning Fiberglass Window .....	767.77	20.82
			<i>For Colored Vinyl, Add</i>	72.65	
			<i>For Tinted Glass, Add</i>	87.18	
			<i>For Low-E Insulated Glass, Add</i>	181.63	
			<i>For Obscure Glass, Add</i>	199.79	
08 54 13 00-0361	EA		48" x 24", Venting, New Construction, Awning Fiberglass Window .....	816.82	22.20
			<i>For Colored Vinyl, Add</i>	77.24	
			<i>For Tinted Glass, Add</i>	92.69	
			<i>For Low-E Insulated Glass, Add</i>	193.11	
			<i>For Obscure Glass, Add</i>	212.42	
<b>08 54 13 00-0362</b>			<b>28" Height, Venting, New Construction, Awning Fiberglass Windows</b> <small>(08 54 13 00-0343)</small>		
08 54 13 00-0363	EA		24" x 28", Venting, New Construction, Awning Fiberglass Window .....	681.16	18.47
			<i>For Colored Vinyl, Add</i>	64.46	
			<i>For Tinted Glass, Add</i>	77.35	
			<i>For Low-E Insulated Glass, Add</i>	161.15	
			<i>For Obscure Glass, Add</i>	177.27	
08 54 13 00-0364	EA		28" x 28", Venting, New Construction, Awning Fiberglass Window .....	709.40	19.25
			<i>For Colored Vinyl, Add</i>	67.13	
			<i>For Tinted Glass, Add</i>	80.55	
			<i>For Low-E Insulated Glass, Add</i>	167.82	
			<i>For Obscure Glass, Add</i>	184.60	
08 54 13 00-0365	EA		36" x 28", Venting, New Construction, Awning Fiberglass Window .....	759.57	20.44
			<i>For Colored Vinyl, Add</i>	71.87	
			<i>For Tinted Glass, Add</i>	86.25	
			<i>For Low-E Insulated Glass, Add</i>	179.68	
			<i>For Obscure Glass, Add</i>	197.65	
08 54 13 00-0366	EA		40" x 28", Venting, New Construction, Awning Fiberglass Window .....	792.49	21.61
			<i>For Colored Vinyl, Add</i>	74.97	
			<i>For Tinted Glass, Add</i>	89.96	
			<i>For Low-E Insulated Glass, Add</i>	187.42	
			<i>For Obscure Glass, Add</i>	206.16	
08 54 13 00-0367	EA		48" x 28", Venting, New Construction, Awning Fiberglass Window .....	842.48	22.99
			<i>For Colored Vinyl, Add</i>	79.65	
			<i>For Tinted Glass, Add</i>	95.58	
			<i>For Low-E Insulated Glass, Add</i>	199.13	
			<i>For Obscure Glass, Add</i>	219.04	
<b>08 54 13 00-0368</b>			<b>36" Height, Venting, New Construction, Awning Fiberglass Windows</b> <small>(08 54 13 00-0343)</small>		
08 54 13 00-0369	EA		36" x 36", Venting, New Construction, Awning Fiberglass Window .....	803.06	21.81
			<i>For Colored Vinyl, Add</i>	75.94	
			<i>For Tinted Glass, Add</i>	91.13	
			<i>For Low-E Insulated Glass, Add</i>	189.86	
			<i>For Obscure Glass, Add</i>	208.85	
08 54 13 00-0370	EA		40" x 36", Venting, New Construction, Awning Fiberglass Window .....	836.02	22.79
			<i>For Colored Vinyl, Add</i>	79.04	
			<i>For Tinted Glass, Add</i>	94.85	
			<i>For Low-E Insulated Glass, Add</i>	197.61	
			<i>For Obscure Glass, Add</i>	217.37	
08 54 13 00-0371	EA		48" x 36", Venting, New Construction, Awning Fiberglass Window .....	889.71	24.36
			<i>For Colored Vinyl, Add</i>	84.10	
			<i>For Tinted Glass, Add</i>	100.92	
			<i>For Low-E Insulated Glass, Add</i>	210.25	
			<i>For Obscure Glass, Add</i>	231.27	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Composite Windows	08 54	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**08 54 13 00-0372**

**Replacement, Awning Fiberglass Windows** (08 54 13 00-0341)

Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 54 13 00-0373	EA Up To 53" UI, Replacement, Awning Fiberglass Window .....	634.23		16.70
	For Colored Vinyl, Add	60.08		
	For Tinted Glass, Add	72.10		
	For Low-E Insulated Glass, Add	150.21		
	For Obscure Glass, Add	165.23		
08 54 13 00-0374	EA >53" To 63" UI, Replacement, Awning Fiberglass Window .....	737.53		18.66
	For Colored Vinyl, Add	70.02		
	For Tinted Glass, Add	84.02		
	For Low-E Insulated Glass, Add	175.05		
	For Obscure Glass, Add	192.55		
08 54 13 00-0375	EA >63" To 73" UI, Replacement, Awning Fiberglass Window .....	836.35		20.63
	For Colored Vinyl, Add	79.51		
	For Tinted Glass, Add	95.41		
	For Low-E Insulated Glass, Add	198.77		
	For Obscure Glass, Add	218.65		
08 54 13 00-0376	EA >73" To 83" UI, Replacement, Awning Fiberglass Window .....	930.75		22.60
	For Colored Vinyl, Add	88.56		
	For Tinted Glass, Add	106.27		
	For Low-E Insulated Glass, Add	221.39		
	For Obscure Glass, Add	243.53		
08 54 13 00-0377	EA >83" To 93" UI, Replacement, Awning Fiberglass Window .....	1,020.72		24.56
	For Colored Vinyl, Add	97.16		
	For Tinted Glass, Add	116.59		
	For Low-E Insulated Glass, Add	242.90		
	For Obscure Glass, Add	267.19		
08 54 13 00-0378	EA >93" To 101" UI, Replacement, Awning Fiberglass Window .....	1,063.30		26.53
	For Colored Vinyl, Add	101.03		
	For Tinted Glass, Add	121.23		
	For Low-E Insulated Glass, Add	252.56		
	For Obscure Glass, Add	277.82		
08 54 13 00-0379	UI >101" UI, Replacement, Awning Fiberglass Window .....	10.51		0.25
	For Colored Vinyl, Add	1.00		
	For Tinted Glass, Add	1.20		
	For Low-E Insulated Glass, Add	2.50		
	For Obscure Glass, Add	2.75		

**08 54 13 00-0380**

**Horizontal Sliding Fiberglass Windows** (08 54 13)

**08 54 13 00-0381**

**New Construction, Horizontal Sliding Fiberglass Windows** (08 54 13 00-0380)

Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

**08 54 13 00-0382**

**20" Height, New Construction, Horizontal Sliding Fiberglass Windows** (08 54 13 00-0381)

08 54 13 00-0383	EA 36" x 20", New Construction, Horizontal Sliding Fiberglass Window .....	306.50		19.25
	For Colored Vinyl, Add	26.84		
	For Tinted Glass, Add	32.21		
	For Low-E Insulated Glass, Add	67.10		
	For Obscure Glass, Add	73.80		
08 54 13 00-0384	EA 48" x 20", New Construction, Horizontal Sliding Fiberglass Window .....	337.53		21.61
	For Colored Vinyl, Add	29.47		
	For Tinted Glass, Add	35.36		
	For Low-E Insulated Glass, Add	73.68		
	For Obscure Glass, Add	81.04		
08 54 13 00-0385	EA 54" x 20", New Construction, Horizontal Sliding Fiberglass Window .....	353.05		22.60
	For Colored Vinyl, Add	30.79		
	For Tinted Glass, Add	36.94		
	For Low-E Insulated Glass, Add	76.97		
	For Obscure Glass, Add	84.66		
08 54 13 00-0386	EA 60" x 20", New Construction, Horizontal Sliding Fiberglass Window .....	368.56		23.77
	For Colored Vinyl, Add	32.10		
	For Tinted Glass, Add	38.52		
	For Low-E Insulated Glass, Add	80.26		
	For Obscure Glass, Add	88.28		
08 54 13 00-0387	EA 64" x 20", New Construction, Horizontal Sliding Fiberglass Window .....	378.89		24.76
	For Colored Vinyl, Add	32.98		
	For Tinted Glass, Add	39.57		
	For Low-E Insulated Glass, Add	82.44		
	For Obscure Glass, Add	90.69		
08 54 13 00-0388	EA 72" x 20", New Construction, Horizontal Sliding Fiberglass Window .....	399.61		26.13
	For Colored Vinyl, Add	34.73		
	For Tinted Glass, Add	41.68		
	For Low-E Insulated Glass, Add	86.84		
	For Obscure Glass, Add	95.52		

**08 54 13 00-0389**

**24" Height, New Construction, Horizontal Sliding Fiberglass Windows** (08 54 13 00-0381)



**08 Openings****08 50 Windows****08 54 Composite Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0390	EA		36" x 24", New Construction, Horizontal Sliding Fiberglass Window .....	322.88	20.04
			<i>For Colored Vinyl, Add</i>	26.32	
			<i>For Tinted Glass, Add</i>	33.98	
			<i>For Low-E Insulated Glass, Add</i>	70.80	
			<i>For Obscure Glass, Add</i>	77.88	
08 54 13 00-0391	EA		48" x 24", New Construction, Horizontal Sliding Fiberglass Window .....	355.11	22.40
			<i>For Colored Vinyl, Add</i>	31.07	
			<i>For Tinted Glass, Add</i>	37.29	
			<i>For Low-E Insulated Glass, Add</i>	77.68	
			<i>For Obscure Glass, Add</i>	85.45	
08 54 13 00-0392	EA		54" x 24", New Construction, Horizontal Sliding Fiberglass Window .....	371.37	23.38
			<i>For Colored Vinyl, Add</i>	32.46	
			<i>For Tinted Glass, Add</i>	38.95	
			<i>For Low-E Insulated Glass, Add</i>	81.15	
			<i>For Obscure Glass, Add</i>	89.27	
08 54 13 00-0393	EA		60" x 24", New Construction, Horizontal Sliding Fiberglass Window .....	387.38	24.56
			<i>For Colored Vinyl, Add</i>	33.83	
			<i>For Tinted Glass, Add</i>	40.59	
			<i>For Low-E Insulated Glass, Add</i>	84.57	
			<i>For Obscure Glass, Add</i>	93.02	
08 54 13 00-0394	EA		64" x 24", New Construction, Horizontal Sliding Fiberglass Window .....	398.12	25.55
			<i>For Colored Vinyl, Add</i>	34.74	
			<i>For Tinted Glass, Add</i>	41.69	
			<i>For Low-E Insulated Glass, Add</i>	86.86	
			<i>For Obscure Glass, Add</i>	95.54	
08 54 13 00-0395	EA		72" x 24", New Construction, Horizontal Sliding Fiberglass Window .....	419.62	26.91
			<i>For Colored Vinyl, Add</i>	36.58	
			<i>For Tinted Glass, Add</i>	43.89	
			<i>For Low-E Insulated Glass, Add</i>	91.45	
			<i>For Obscure Glass, Add</i>	100.59	
<b>08 54 13 00-0396</b>			<b>36" Height, New Construction, Horizontal Sliding Fiberglass Windows</b> <small>(08 54 13 00-0391)</small>		
08 54 13 00-0397	EA		36" x 36", New Construction, Horizontal Sliding Fiberglass Window .....	372.39	22.40
			<i>For Colored Vinyl, Add</i>	32.80	
			<i>For Tinted Glass, Add</i>	39.36	
			<i>For Low-E Insulated Glass, Add</i>	82.00	
			<i>For Obscure Glass, Add</i>	90.20	
08 54 13 00-0398	EA		48" x 36", New Construction, Horizontal Sliding Fiberglass Window .....	408.51	24.76
			<i>For Colored Vinyl, Add</i>	35.94	
			<i>For Tinted Glass, Add</i>	43.13	
			<i>For Low-E Insulated Glass, Add</i>	89.85	
			<i>For Obscure Glass, Add</i>	98.83	
08 54 13 00-0399	EA		54" x 36", New Construction, Horizontal Sliding Fiberglass Window .....	426.59	25.74
			<i>For Colored Vinyl, Add</i>	37.51	
			<i>For Tinted Glass, Add</i>	45.01	
			<i>For Low-E Insulated Glass, Add</i>	93.78	
			<i>For Obscure Glass, Add</i>	103.16	
08 54 13 00-0400	EA		60" x 36", New Construction, Horizontal Sliding Fiberglass Window .....	444.65	26.91
			<i>For Colored Vinyl, Add</i>	39.08	
			<i>For Tinted Glass, Add</i>	46.90	
			<i>For Low-E Insulated Glass, Add</i>	97.70	
			<i>For Obscure Glass, Add</i>	107.47	
08 54 13 00-0401	EA		64" x 36", New Construction, Horizontal Sliding Fiberglass Window .....	456.71	27.50
			<i>For Colored Vinyl, Add</i>	40.13	
			<i>For Tinted Glass, Add</i>	48.16	
			<i>For Low-E Insulated Glass, Add</i>	100.33	
			<i>For Obscure Glass, Add</i>	110.36	
08 54 13 00-0402	EA		72" x 36", New Construction, Horizontal Sliding Fiberglass Window .....	480.80	29.28
			<i>For Colored Vinyl, Add</i>	42.23	
			<i>For Tinted Glass, Add</i>	50.67	
			<i>For Low-E Insulated Glass, Add</i>	105.56	
			<i>For Obscure Glass, Add</i>	116.12	
<b>08 54 13 00-0403</b>			<b>42" Height, New Construction, Horizontal Sliding Fiberglass Windows</b> <small>(08 54 13 00-0391)</small>		
08 54 13 00-0404	EA		36" x 42", New Construction, Horizontal Sliding Fiberglass Window .....	397.15	23.58
			<i>For Colored Vinyl, Add</i>	35.04	
			<i>For Tinted Glass, Add</i>	42.05	
			<i>For Low-E Insulated Glass, Add</i>	87.60	
			<i>For Obscure Glass, Add</i>	96.36	
08 54 13 00-0405	EA		48" x 42", New Construction, Horizontal Sliding Fiberglass Window .....	435.23	25.93
			<i>For Colored Vinyl, Add</i>	38.38	
			<i>For Tinted Glass, Add</i>	46.05	
			<i>For Low-E Insulated Glass, Add</i>	95.94	
			<i>For Obscure Glass, Add</i>	105.53	
08 54 13 00-0406	EA		54" x 42", New Construction, Horizontal Sliding Fiberglass Window .....	454.29	26.91
			<i>For Colored Vinyl, Add</i>	40.05	
			<i>For Tinted Glass, Add</i>	48.05	
			<i>For Low-E Insulated Glass, Add</i>	100.11	
			<i>For Obscure Glass, Add</i>	110.12	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Windows</b>	<b>08 50</b>	
<b>Composite Windows</b>	<b>08 54</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0407	EA		60" x 42", New Construction, Horizontal Sliding Fiberglass Window ..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	473.32 41.71 50.06 104.28 114.71	28.10
08 54 13 00-0408	EA		64" x 42", New Construction, Horizontal Sliding Fiberglass Window ..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	485.95 42.82 51.38 107.05 117.75	29.07
08 54 13 00-0409	EA		72" x 42", New Construction, Horizontal Sliding Fiberglass Window ..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	511.39 45.05 54.06 112.62 123.88	30.45
<b>08 54 13 00-0410</b>			<b>44" Height, New Construction, Horizontal Sliding Fiberglass Windows</b> <small>(08 54 13 00-0381)</small>		
08 54 13 00-0411	EA		36" x 44", New Construction, Horizontal Sliding Fiberglass Window ..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	405.42 35.79 42.95 89.47 98.42	23.97
08 54 13 00-0412	EA		48" x 44", New Construction, Horizontal Sliding Fiberglass Window ..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	444.15 39.19 47.03 97.97 107.77	26.33
08 54 13 00-0413	EA		54" x 44", New Construction, Horizontal Sliding Fiberglass Window ..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	463.49 40.89 49.06 102.22 112.44	27.31
08 54 13 00-0414	EA		60" x 44", New Construction, Horizontal Sliding Fiberglass Window ..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	482.86 42.59 51.11 106.47 117.12	28.49
08 54 13 00-0415	EA		64" x 44", New Construction, Horizontal Sliding Fiberglass Window ..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	495.78 43.72 52.47 109.31 120.24	29.47
08 54 13 00-0416	EA		72" x 44", New Construction, Horizontal Sliding Fiberglass Window ..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	521.56 45.99 55.18 114.97 126.46	30.85
<b>08 54 13 00-0417</b>			<b>46" Height, New Construction, Horizontal Sliding Fiberglass Windows</b> <small>(08 54 13 00-0381)</small>		
08 54 13 00-0418	EA		36" x 46", New Construction, Horizontal Sliding Fiberglass Window ..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	413.66 36.53 43.84 91.33 100.47	24.36
08 54 13 00-0419	EA		48" x 46", New Construction, Horizontal Sliding Fiberglass Window ..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	453.03 40.00 48.00 100.00 109.99	26.72
08 54 13 00-0420	EA		54" x 46", New Construction, Horizontal Sliding Fiberglass Window ..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	472.72 41.73 50.08 104.33 114.76	27.71
08 54 13 00-0421	EA		60" x 46", New Construction, Horizontal Sliding Fiberglass Window ..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	492.37 43.46 52.15 108.65 119.52	28.88
08 54 13 00-0422	EA		64" x 46", New Construction, Horizontal Sliding Fiberglass Window ..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	505.49 44.62 53.54 111.54 122.69	29.86
08 54 13 00-0423	EA		72" x 46", New Construction, Horizontal Sliding Fiberglass Window ..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	531.76 46.93 56.31 117.32 129.05	31.24
<b>08 54 13 00-0424</b>			<b>48" Height, New Construction, Horizontal Sliding Fiberglass Windows</b> <small>(08 54 13 00-0381)</small>		

**08 Openings****08 50 Windows****08 54 Composite Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0425	EA		36" x 48", New Construction, Horizontal Sliding Fiberglass Window .....	421.94	24.76
			<i>For Colored Vinyl, Add</i>	37.28	
			<i>For Tinted Glass, Add</i>	44.74	
			<i>For Low-E Insulated Glass, Add</i>	93.21	
			<i>For Obscure Glass, Add</i>	102.53	
08 54 13 00-0426	EA		48" x 48", New Construction, Horizontal Sliding Fiberglass Window .....	461.95	27.12
			<i>For Colored Vinyl, Add</i>	40.81	
			<i>For Tinted Glass, Add</i>	48.97	
			<i>For Low-E Insulated Glass, Add</i>	102.03	
			<i>For Obscure Glass, Add</i>	112.23	
08 54 13 00-0427	EA		54" x 48", New Construction, Horizontal Sliding Fiberglass Window .....	481.93	28.10
			<i>For Colored Vinyl, Add</i>	42.57	
			<i>For Tinted Glass, Add</i>	51.09	
			<i>For Low-E Insulated Glass, Add</i>	106.44	
			<i>For Obscure Glass, Add</i>	117.08	
08 54 13 00-0428	EA		60" x 48", New Construction, Horizontal Sliding Fiberglass Window .....	501.91	29.28
			<i>For Colored Vinyl, Add</i>	44.34	
			<i>For Tinted Glass, Add</i>	53.20	
			<i>For Low-E Insulated Glass, Add</i>	110.84	
			<i>For Obscure Glass, Add</i>	121.92	
08 54 13 00-0429	EA		64" x 48", New Construction, Horizontal Sliding Fiberglass Window .....	515.26	30.26
			<i>For Colored Vinyl, Add</i>	45.51	
			<i>For Tinted Glass, Add</i>	54.62	
			<i>For Low-E Insulated Glass, Add</i>	113.79	
			<i>For Obscure Glass, Add</i>	125.16	
08 54 13 00-0430	EA		72" x 48", New Construction, Horizontal Sliding Fiberglass Window .....	541.97	31.63
			<i>For Colored Vinyl, Add</i>	47.87	
			<i>For Tinted Glass, Add</i>	57.44	
			<i>For Low-E Insulated Glass, Add</i>	119.68	
			<i>For Obscure Glass, Add</i>	131.64	
<b>08 54 13 00-0431</b>			<b>50" Height, New Construction, Horizontal Sliding Fiberglass Windows</b> <small>(08 54 13 00-0381)</small>		
08 54 13 00-0432	EA		36" x 50", New Construction, Horizontal Sliding Fiberglass Window .....	430.19	25.15
			<i>For Colored Vinyl, Add</i>	38.03	
			<i>For Tinted Glass, Add</i>	45.63	
			<i>For Low-E Insulated Glass, Add</i>	95.07	
			<i>For Obscure Glass, Add</i>	104.58	
08 54 13 00-0433	EA		48" x 50", New Construction, Horizontal Sliding Fiberglass Window .....	470.81	27.50
			<i>For Colored Vinyl, Add</i>	41.62	
			<i>For Tinted Glass, Add</i>	49.94	
			<i>For Low-E Insulated Glass, Add</i>	104.05	
			<i>For Obscure Glass, Add</i>	114.45	
08 54 13 00-0434	EA		54" x 50", New Construction, Horizontal Sliding Fiberglass Window .....	491.14	28.49
			<i>For Colored Vinyl, Add</i>	43.42	
			<i>For Tinted Glass, Add</i>	52.10	
			<i>For Low-E Insulated Glass, Add</i>	108.54	
			<i>For Obscure Glass, Add</i>	119.39	
08 54 13 00-0435	EA		60" x 50", New Construction, Horizontal Sliding Fiberglass Window .....	511.44	29.67
			<i>For Colored Vinyl, Add</i>	45.21	
			<i>For Tinted Glass, Add</i>	54.25	
			<i>For Low-E Insulated Glass, Add</i>	113.03	
			<i>For Obscure Glass, Add</i>	124.33	
08 54 13 00-0436	EA		64" x 50", New Construction, Horizontal Sliding Fiberglass Window .....	525.02	30.66
			<i>For Colored Vinyl, Add</i>	46.41	
			<i>For Tinted Glass, Add</i>	55.69	
			<i>For Low-E Insulated Glass, Add</i>	116.03	
			<i>For Obscure Glass, Add</i>	127.63	
08 54 13 00-0437	EA		72" x 50", New Construction, Horizontal Sliding Fiberglass Window .....	552.14	32.02
			<i>For Colored Vinyl, Add</i>	48.81	
			<i>For Tinted Glass, Add</i>	58.57	
			<i>For Low-E Insulated Glass, Add</i>	122.02	
			<i>For Obscure Glass, Add</i>	134.22	
<b>08 54 13 00-0438</b>			<b>52" Height, New Construction, Horizontal Sliding Fiberglass Windows</b> <small>(08 54 13 00-0381)</small>		
08 54 13 00-0439	EA		36" x 52", New Construction, Horizontal Sliding Fiberglass Window .....	438.43	25.55
			<i>For Colored Vinyl, Add</i>	38.77	
			<i>For Tinted Glass, Add</i>	46.53	
			<i>For Low-E Insulated Glass, Add</i>	96.94	
			<i>For Obscure Glass, Add</i>	106.63	
08 54 13 00-0440	EA		48" x 52", New Construction, Horizontal Sliding Fiberglass Window .....	479.75	27.90
			<i>For Colored Vinyl, Add</i>	42.43	
			<i>For Tinted Glass, Add</i>	50.92	
			<i>For Low-E Insulated Glass, Add</i>	106.09	
			<i>For Obscure Glass, Add</i>	116.69	
08 54 13 00-0441	EA		54" x 52", New Construction, Horizontal Sliding Fiberglass Window .....	500.36	28.88
			<i>For Colored Vinyl, Add</i>	44.26	
			<i>For Tinted Glass, Add</i>	53.11	
			<i>For Low-E Insulated Glass, Add</i>	110.65	
			<i>For Obscure Glass, Add</i>	121.72	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Windows</b>	<b>08 50</b>	
<b>Composite Windows</b>	<b>08 54</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0442	EA		60" x 52", New Construction, Horizontal Sliding Fiberglass Window ..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	521.05 46.09 55.31 115.23 126.76	30.06
08 54 13 00-0443	EA		64" x 52", New Construction, Horizontal Sliding Fiberglass Window ..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	534.81 47.31 56.77 118.28 130.11	31.04
08 54 13 00-0444	EA		72" x 52", New Construction, Horizontal Sliding Fiberglass Window ..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	562.35 49.75 59.70 124.38 136.82	32.42
<b>08 54 13 00-0445</b>			<b>54" Height, New Construction, Horizontal Sliding Fiberglass Windows</b> <small>(08 54 13 00-0381)</small>		
08 54 13 00-0446	EA		36" x 54", New Construction, Horizontal Sliding Fiberglass Window ..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	446.70 39.52 47.43 98.81 108.69	25.93
08 54 13 00-0447	EA		48" x 54", New Construction, Horizontal Sliding Fiberglass Window ..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	488.62 43.24 51.89 108.11 118.92	28.29
08 54 13 00-0448	EA		54" x 54", New Construction, Horizontal Sliding Fiberglass Window ..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	509.59 45.10 54.12 112.76 124.04	29.28
08 54 13 00-0449	EA		60" x 54", New Construction, Horizontal Sliding Fiberglass Window ..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	530.59 46.97 56.36 117.42 129.16	30.45
08 54 13 00-0450	EA		64" x 54", New Construction, Horizontal Sliding Fiberglass Window ..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	544.56 48.21 57.85 120.52 132.57	31.44
08 54 13 00-0451	EA		72" x 54", New Construction, Horizontal Sliding Fiberglass Window ..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	572.51 50.69 60.83 126.72 139.39	32.81
<b>08 54 13 00-0452</b>			<b>60" Height, New Construction, Horizontal Sliding Fiberglass Windows</b> <small>(08 54 13 00-0381)</small>		
08 54 13 00-0453	EA		36" x 60", New Construction, Horizontal Sliding Fiberglass Window ..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	491.16 43.73 52.48 109.33 120.26	27.12
08 54 13 00-0454	EA		48" x 60", New Construction, Horizontal Sliding Fiberglass Window ..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	515.34 45.68 54.81 114.20 125.62	29.47
08 54 13 00-0455	EA		54" x 60", New Construction, Horizontal Sliding Fiberglass Window ..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	537.29 47.64 57.17 119.10 131.00	30.45
08 54 13 00-0456	EA		60" x 60", New Construction, Horizontal Sliding Fiberglass Window ..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	559.22 49.60 59.51 123.99 136.39	31.63
08 54 13 00-0457	EA		64" x 60", New Construction, Horizontal Sliding Fiberglass Window ..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	573.86 50.90 61.08 127.26 139.98	32.61
08 54 13 00-0458	EA		72" x 60", New Construction, Horizontal Sliding Fiberglass Window ..... <i>For Colored Vinyl, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Insulated Glass, Add</i> <i>For Obscure Glass, Add</i>	603.10 53.51 64.21 133.78 147.16	33.99

**08 Openings****08 50 Windows****08 54 Composite Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0459			<b>Replacement, Horizontal Sliding Fiberglass Windows</b> (08 54 13 00-0380) Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 54 13 00-0460	EA		Up To 73" UI, Replacement, Horizontal Sliding Fiberglass Window .....	544.27	20.63
			For Colored Vinyl, Add	50.30	
			For Tinted Glass, Add	60.36	
			For Low-E Insulated Glass, Add	125.75	
			For Obscure Glass, Add	138.33	
08 54 13 00-0461	EA		>73" To 83" UI, Replacement, Horizontal Sliding Fiberglass Window .....	598.66	22.60
			For Colored Vinyl, Add	55.35	
			For Tinted Glass, Add	66.42	
			For Low-E Insulated Glass, Add	138.37	
			For Obscure Glass, Add	152.20	
08 54 13 00-0462	EA		>83" To 93" UI, Replacement, Horizontal Sliding Fiberglass Window .....	648.61	24.56
			For Colored Vinyl, Add	59.95	
			For Tinted Glass, Add	71.94	
			For Low-E Insulated Glass, Add	149.87	
			For Obscure Glass, Add	164.86	
08 54 13 00-0463	EA		>93" To 101" UI, Replacement, Horizontal Sliding Fiberglass Window .....	681.67	26.53
			For Colored Vinyl, Add	62.86	
			For Tinted Glass, Add	75.43	
			For Low-E Insulated Glass, Add	157.16	
			For Obscure Glass, Add	172.87	
08 54 13 00-0464	EA		>101" To 110" UI, Replacement, Horizontal Sliding Fiberglass Window.....	717.15	28.49
			For Colored Vinyl, Add	66.02	
			For Tinted Glass, Add	79.22	
			For Low-E Insulated Glass, Add	165.04	
			For Obscure Glass, Add	181.55	
08 54 13 00-0465	EA		>110" To 120" UI, Replacement, Horizontal Sliding Fiberglass Window.....	781.09	30.45
			For Colored Vinyl, Add	72.02	
			For Tinted Glass, Add	86.42	
			For Low-E Insulated Glass, Add	180.05	
			For Obscure Glass, Add	198.05	
08 54 13 00-0466	UI		>120" UI, Replacement, Horizontal Sliding Fiberglass Window.....	6.52	0.25
			For Colored Vinyl, Add	0.60	
			For Tinted Glass, Add	0.72	
			For Low-E Insulated Glass, Add	1.50	
			For Obscure Glass, Add	1.65	
08 54 13 00-0467			<b>Basement Fiberglass Windows</b> (08 54 13)		
08 54 13 00-0468			<b>New Construction, Basement Fiberglass Windows</b> (08 54 13 00-0467) Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 54 13 00-0469	EA		32" x 15", New Construction, Basement Fiberglass Window .....	298.18	15.72
			For Colored Vinyl, Add	26.67	
			For Tinted Glass, Add	32.01	
			For Low-E Insulated Glass, Add	66.69	
			For Obscure Glass, Add	73.35	
08 54 13 00-0470	EA		32" x 20", New Construction, Basement Fiberglass Window .....	329.31	15.72
			For Colored Vinyl, Add	29.79	
			For Tinted Glass, Add	35.74	
			For Low-E Insulated Glass, Add	74.47	
			For Obscure Glass, Add	81.91	
08 54 13 00-0471	EA		32" x 23", New Construction, Basement Fiberglass Window.....	347.07	15.72
			For Colored Vinyl, Add	31.56	
			For Tinted Glass, Add	37.88	
			For Low-E Insulated Glass, Add	78.91	
			For Obscure Glass, Add	86.80	
08 54 13 00-0472			<b>Replacement, Basement Fiberglass Windows</b> (08 54 13 00-0467) Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 54 13 00-0473	EA		Up To 47" UI, Replacement, Basement Fiberglass Window.....	408.53	15.33
			For Colored Vinyl, Add	37.79	
			For Tinted Glass, Add	45.34	
			For Low-E Insulated Glass, Add	94.47	
			For Obscure Glass, Add	103.91	
08 54 13 00-0474	EA		>47" To 55" UI, Replacement, Basement Fiberglass Window .....	451.03	17.68
			For Colored Vinyl, Add	41.57	
			For Tinted Glass, Add	49.88	
			For Low-E Insulated Glass, Add	103.92	
			For Obscure Glass, Add	114.31	
08 54 13 00-0475	UI		>55" UI, Replacement, Basement Fiberglass Window.....	8.06	0.25
			For Colored Vinyl, Add	0.76	
			For Tinted Glass, Add	0.91	
			For Low-E Insulated Glass, Add	1.89	
			For Obscure Glass, Add	2.08	

**08 54 66 Fiberglass Window Screens** (08 54)

08 54 66 00-0001 Insect Screens For Fiberglass Windows (08 54 66)



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Composite Windows	08 54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 66 00-0002	EA		Up To 6 SF, Insect Screen For Fiberglass Windows .....	24.31	3.89
08 54 66 00-0003	EA		>6 To 9 SF, Insect Screen For Fiberglass Windows .....	34.22	3.89
08 54 66 00-0004	EA		>9 To 12 SF, Insect Screen For Fiberglass Windows .....	37.52	3.89
08 54 66 00-0005	EA		>12 To 15 SF, Insect Screen For Fiberglass Windows .....	44.13	3.89
08 54 66 00-0006	EA		>15 To 20 SF, Insect Screen For Fiberglass Windows .....	58.99	3.89
08 54 66 00-0007	EA		>20 To 25 SF, Insect Screen For Fiberglass Windows .....	65.60	3.89
08 54 66 00-0008	EA		>25 To 30 SF, Insect Screen For Fiberglass Windows .....	75.51	3.89
08 54 66 00-0009	EA		>30 To 35 SF, Insect Screen For Fiberglass Windows .....	82.12	3.89
08 54 66 00-0010	SF		>35 SF, Insect Screen For Fiberglass Windows .....	2.50	0.08
<b>08 54 66 00-0011</b>			<b>Factory Installed Grilles For Fiberglass Windows (08 54 66)</b>		
<b>08 54 66 00-0012</b>			<b>Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows (08 54 66 00-0011)</b>		
08 54 66 00-0013	EA		Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows .....	25.44	
08 54 66 00-0014	EA		>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows .....	32.70	
08 54 66 00-0015	EA		>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows .....	42.12	
08 54 66 00-0016	EA		>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows .....	49.72	
08 54 66 00-0017	EA		>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows .....	61.12	
<b>08 54 66 00-0018</b>			<b>Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows (08 54 66 00-0011)</b>		
08 54 66 00-0019	EA		Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows .....	57.81	
08 54 66 00-0020	EA		>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows .....	69.37	
08 54 66 00-0021	EA		>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows .....	87.54	
08 54 66 00-0022	EA		>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows .....	109.02	
08 54 66 00-0023	EA		>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows .....	130.49	
<b>08 56 Special Function Windows (08 50)</b>					
<b>08 56 19 Pass Windows (08 56)</b>					
<b>08 56 19 00-0001</b>			<b>Bullet Resistant Pass Through Service Window, Steel Frame (08 56 19)</b>		
			Note: Secure air passage for voice transmission; Natural Voice Transmission (NVR)		
08 56 19 00-0002	EA		24" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame .....	2,537.21	388.57
			For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	45.00	
			For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	295.00	
08 56 19 00-0003	EA		30" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame .....	2,790.72	420.95
			For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	60.00	
			For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	370.00	
08 56 19 00-0004	EA		36" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame .....	2,936.69	453.34
			For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	70.00	
			For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	445.00	
08 56 19 00-0005	EA		48" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame .....	3,670.88	518.09
			For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	100.00	
			For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	650.00	
08 56 19 00-0006	EA		72" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame .....	4,966.43	777.14
			For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	150.00	
			For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	975.00	
<b>08 56 49 Radiation Shielding Windows (08 56)</b>					
<b>08 56 49 00-0001</b>			<b>Lead Lined Window Frames (08 56 49)</b>		
08 56 49 00-0002	LF		1/8" Lead Lined, 16 Gauge Telescoping Window Frame .....	30.35	2.95
08 56 49 00-0003	LF		1/16" Lead Lined, 16 Gauge Telescoping Window Frame .....	26.58	2.95
<b>08 56 56 Security Window Screens (08 56)</b>					
			Note: All security window screens include frame and mounting hardware. Operable security screens include hinges and related hardware.		
<b>08 56 56 00-0001</b>			<b>Wire Mesh Security Screen (08 56 56)</b>		
<b>08 56 56 00-0002</b>			<b>Wire Mesh, Inoperable, Security Window Screen (08 56 56 00-0001)</b>		
08 56 56 00-0003	SF		13 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen .....	12.26	2.91
			For Painted Steel, Add	0.84	
			For Galvanized Steel, Add	1.68	
			For Aluminum, Add	3.35	
			For Stainless Steel, Add	14.67	

**08 Openings****08 50 Windows****08 56 Special Function Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0004 SF 11 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen .....	12.50	2.91
For Painted Steel, Add	0.86	
For Galvanized Steel, Add	1.72	
For Aluminum, Add	3.45	
For Stainless Steel, Add	15.09	
08 56 56 00-0005 SF 9 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen .....	13.60	2.91
For Painted Steel, Add	0.97	
For Galvanized Steel, Add	1.94	
For Aluminum, Add	3.89	
For Stainless Steel, Add	17.01	
08 56 56 00-0006 SF 6 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen .....	15.97	2.91
For Painted Steel, Add	1.21	
For Galvanized Steel, Add	2.42	
For Aluminum, Add	4.84	
For Stainless Steel, Add	21.16	
<b>08 56 56 00-0007 Wire Mesh, Operable, Security Window Screen (08 56 56 00-0001)</b>		
08 56 56 00-0008 SF 13 Gauge, Wire Mesh, Operable, Steel Security Window Screen .....	17.11	3.56
For Painted Steel, Add	1.19	
For Galvanized Steel, Add	2.39	
For Aluminum, Add	4.77	
For Stainless Steel, Add	20.88	
08 56 56 00-0009 SF 11 Gauge, Wire Mesh, Operable, Steel Security Window Screen .....	17.48	3.56
For Painted Steel, Add	1.23	
For Galvanized Steel, Add	2.46	
For Aluminum, Add	4.92	
For Stainless Steel, Add	21.53	
08 56 56 00-0010 SF 9 Gauge, Wire Mesh, Operable, Steel Security Window Screen .....	19.06	3.56
For Painted Steel, Add	1.39	
For Galvanized Steel, Add	2.78	
For Aluminum, Add	5.55	
For Stainless Steel, Add	24.29	
08 56 56 00-0011 SF 6 Gauge, Wire Mesh, Operable, Steel Security Window Screen .....	22.38	3.56
For Painted Steel, Add	1.72	
For Galvanized Steel, Add	3.44	
For Aluminum, Add	6.88	
For Stainless Steel, Add	30.10	
<b>08 56 56 00-0012 Wire Cloth Security Screen (08 56 56)</b>		
Note: Wire cloth has from 10 to 12 strands per 1".		
<b>08 56 56 00-0013 Wire Cloth, Inoperable, Security Window Screens (08 56 56 00-0012)</b>		
08 56 56 00-0014 SF 24 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen .....	8.24	1.95
For Painted Steel, Add	0.25	
For Galvanized Steel, Add	0.75	
For Aluminum, Add	1.50	
For Stainless Steel, Add	6.25	
08 56 56 00-0015 SF 22 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen .....	8.57	1.95
For Painted Steel, Add	0.27	
For Galvanized Steel, Add	0.80	
For Aluminum, Add	1.60	
For Stainless Steel, Add	6.66	
08 56 56 00-0016 SF 20 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen .....	9.10	1.95
For Painted Steel, Add	0.29	
For Galvanized Steel, Add	0.88	
For Aluminum, Add	1.76	
For Stainless Steel, Add	7.33	
08 56 56 00-0017 SF 18 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen .....	10.11	1.95
For Painted Steel, Add	0.34	
For Galvanized Steel, Add	1.03	
For Aluminum, Add	2.06	
For Stainless Steel, Add	8.59	
<b>08 56 56 00-0018 Wire Cloth, Operable, Security Window Screens (08 56 56 00-0012)</b>		
08 56 56 00-0019 SF 24 Gauge, Wire Cloth, Operable, Steel Security Window Screen .....	11.00	2.59
For Painted Steel, Add	0.36	
For Galvanized Steel, Add	1.07	
For Aluminum, Add	2.14	
For Stainless Steel, Add	8.90	
08 56 56 00-0020 SF 22 Gauge, Wire Cloth, Operable, Steel Security Window Screen .....	11.52	2.59
For Painted Steel, Add	0.38	
For Galvanized Steel, Add	1.15	
For Aluminum, Add	2.29	
For Stainless Steel, Add	9.55	
08 56 56 00-0021 SF 20 Gauge, Wire Cloth, Operable, Steel Security Window Screen .....	12.24	2.59
For Painted Steel, Add	0.42	
For Galvanized Steel, Add	1.25	
For Aluminum, Add	2.51	
For Stainless Steel, Add	10.45	



<b>Openings</b>	<b>08</b>	<b>08</b>
Windows	08 50	
Special Function Windows	08 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0022 SF 18 Gauge, Wire Cloth, Operable, Steel Security Window Screen.....	13.68	2.59
For Painted Steel, Add	0.49	
For Galvanized Steel, Add	1.47	
For Aluminum, Add	2.94	
For Stainless Steel, Add	12.25	
<b>08 56 56 00-0023 Expanded Metal Security Screen (08 56 56)</b>		
Note: Flattened or standard pattern. Dimension given is the short distance across the opening (SWO). The # designation is the pattern number of the expanded metal and is not the gauge.		
<b>08 56 56 00-0024 Expanded Metal, Inoperable, Security Screen (08 56 56 00-0023)</b>		
08 56 56 00-0025 SF 1/4" #18, Thickness 0.04" Expanded Metal, Inoperable, Steel Security Window Screen .....	15.58	4.86
For Painted Steel, Add	0.49	
For Galvanized Steel, Add	1.46	
For Aluminum, Add	2.93	
For Stainless Steel, Add	12.19	
08 56 56 00-0026 SF 1/2" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen .....	18.27	5.83
For Painted Steel, Add	0.56	
For Galvanized Steel, Add	1.67	
For Aluminum, Add	3.35	
For Stainless Steel, Add	13.94	
08 56 56 00-0027 SF 3/4" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen .....	20.57	7.12
For Painted Steel, Add	0.61	
For Galvanized Steel, Add	1.82	
For Aluminum, Add	3.65	
For Stainless Steel, Add	15.19	
08 56 56 00-0028 SF 3/4" #9, Thickness 0.12" Expanded Metal, Inoperable, Steel Security Window Screen .....	24.24	8.42
For Painted Steel, Add	0.69	
For Galvanized Steel, Add	2.08	
For Aluminum, Add	4.16	
For Stainless Steel, Add	17.35	
08 56 56 00-0029 SF 1-1/2" #9, Thickness 0.11" Expanded Metal, Inoperable, Steel Security Window Screen .....	22.58	8.10
For Painted Steel, Add	0.64	
For Galvanized Steel, Add	1.93	
For Aluminum, Add	3.86	
For Stainless Steel, Add	16.09	
08 56 56 00-0030 SF 3 LB/SF Expanded Metal, Inoperable, Steel Security Window Screen .....	28.50	10.36
For Painted Steel, Add	0.81	
For Galvanized Steel, Add	2.43	
For Aluminum, Add	4.86	
For Stainless Steel, Add	20.24	
<b>08 56 56 00-0031 Expanded Metal, Operable, Security Screen (08 56 56 00-0023)</b>		
08 56 56 00-0032 SF 1/4" #18, Thickness 0.04" Expanded Metal, Operable, Steel Security Window Screen.....	21.00	5.83
For Painted Steel, Add	0.69	
For Galvanized Steel, Add	2.08	
For Aluminum, Add	4.16	
For Stainless Steel, Add	17.35	
08 56 56 00-0033 SF 1/2" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen.....	24.32	7.12
For Painted Steel, Add	0.80	
For Galvanized Steel, Add	2.39	
For Aluminum, Add	4.77	
For Stainless Steel, Add	19.88	
08 56 56 00-0034 SF 3/4" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen.....	27.05	8.10
For Painted Steel, Add	0.87	
For Galvanized Steel, Add	2.60	
For Aluminum, Add	5.20	
For Stainless Steel, Add	21.68	
08 56 56 00-0035 SF 1-1/2" #9, Thickness 0.11" Expanded Metal, Operable, Steel Security Window Screen .....	29.35	9.07
For Painted Steel, Add	0.92	
For Galvanized Steel, Add	2.75	
For Aluminum, Add	5.51	
For Stainless Steel, Add	22.94	
08 56 56 00-0036 SF 3/4" #9, Thickness 0.12" Expanded Metal, Operable, Steel Security Window Screen.....	32.09	10.36
For Painted Steel, Add	0.99	
For Galvanized Steel, Add	2.97	
For Aluminum, Add	5.93	
For Stainless Steel, Add	24.73	
08 56 56 00-0037 SF 3 LB/SF Expanded Metal, Operable, Steel Security Window Screen .....	36.66	11.34
For Painted Steel, Add	1.15	
For Galvanized Steel, Add	3.46	
For Aluminum, Add	6.92	
For Stainless Steel, Add	28.83	
<b>08 56 56 00-0038 Perforated Metal Security Screen (08 56 56)</b>		
<b>08 56 56 00-0039 Perforated Metal, Inoperable, Steel Security Window Screen (08 56 56 00-0038)</b>		
08 56 56 00-0040 SF 22 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen .....	13.58	2.91
For Painted Steel, Add	0.49	
For Galvanized Steel, Add	1.46	
For Aluminum, Add	2.91	
For Stainless Steel, Add	9.70	



**08 Openings****08 50 Windows****08 56 Special Function Windows**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0041 SF 20 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen .....	13.97	2.91
For Painted Steel, Add	0.50	
For Galvanized Steel, Add	1.51	
For Aluminum, Add	3.03	
For Stainless Steel, Add	10.09	
08 56 56 00-0042 SF 18 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen .....	15.27	2.91
For Painted Steel, Add	0.57	
For Galvanized Steel, Add	1.71	
For Aluminum, Add	3.42	
For Stainless Steel, Add	11.39	
08 56 56 00-0043 SF 16 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen .....	17.72	2.91
For Painted Steel, Add	0.69	
For Galvanized Steel, Add	2.08	
For Aluminum, Add	4.15	
For Stainless Steel, Add	13.84	
<b>08 56 56 00-0044 Perforated Metal, Operable, Steel Security Window Screen (08 56 56 00-0038)</b>		
08 56 56 00-0045 SF 22 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen.....	18.97	3.56
For Painted Steel, Add	0.69	
For Galvanized Steel, Add	2.07	
For Aluminum, Add	4.14	
For Stainless Steel, Add	13.79	
08 56 56 00-0046 SF 20 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen.....	19.64	3.56
For Painted Steel, Add	0.72	
For Galvanized Steel, Add	2.17	
For Aluminum, Add	4.34	
For Stainless Steel, Add	14.46	
08 56 56 00-0047 SF 18 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen.....	21.32	3.56
For Painted Steel, Add	0.81	
For Galvanized Steel, Add	2.42	
For Aluminum, Add	4.84	
For Stainless Steel, Add	16.14	
08 56 56 00-0048 SF 16 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen.....	24.83	3.56
For Painted Steel, Add	0.98	
For Galvanized Steel, Add	2.95	
For Aluminum, Add	5.90	
For Stainless Steel, Add	19.65	
<b>08 56 56 00-0049 Remove And Reinstall Security Screens And Guards (08 56 56)</b>		
08 56 56 00-0050 SF Removal And Reinstallation Of Security Screens .....	8.15	
<b>08 56 59 Service And Teller Window Units (08 56)</b>		
<b>08 56 59 00-0001 Communicator For Window (08 56 59)</b>		
08 56 59 00-0002 EA Electronic Two-Way Talk-thru Hands-Free Audio Communicator (Haven SC-350).....	1,483.50	129.52
Note: Communicator is designed for applications where a fire shutter or window shade is present. Two-way communication is accomplished through the use of speakers and micro-phones located on each side of the partition. The Master unit is equipped with a 15" gooseneck microphone, power on/off switch, power-on LED, and external volume controls. The Remote Unit is window-mounted and may incorporate a level 3 bullet-resistive insert.		
08 56 59 00-0003 EA Electronic Two-Way Audio Communicator (Haven SC-300).....	1,291.71	129.52
Note: Communicator is designed for application where a cutout in the barrier is impractical. Two-way communication is accomplished through the use of speakers and microphones located on each side of the partition. The master unit is equipped with a 20" gooseneck microphone, power on/off switch, power-on LED, and external volume controls. The Remote unit is vandal-resistant with all controls located within the housing.		
<b>08 56 59 00-0004 Counter Drop-In Deal Tray (08 56 59)</b>		
08 56 59 00-0005 EA 16" Wide x 10" Deep x 1-9/16" High, Brushed Stainless Steel, Standard Drop-In Deal Tray (CRL CTDB16) .....	222.46	14.96

**08 60 Roof Windows And Skylights (08)**

Note: Includes hardware, caulk, sealant and necessary anchors.

**08 62 Unit Skylights (08 60)****08 62 23 Tubular Skylights (08 62)****08 62 23 00-0001 Aluminum Framed Solar Tube Skylights (08 62 23)**

Note: Includes knock down curb with safety security guard, class 1 hail rated double glazed skylight, light shaft top trim, reflective light well, T-bar ceiling frame, acrylic diffuser lens and lens clip.

**08 62 23 00-0002 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights (08 62 23 00-0001)**



<b>Openings</b>	<b>08</b>
<b>Roof Windows And Skylights</b>	<b>08 60</b>
<b>Unit Skylights</b>	<b>08 62</b>

08

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0003 EA 2' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	705.14	93.43
<i>For Class 3 Hail Rated, Add</i>	4.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	20.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
<i>For Single Blade Louver, Add</i>	571.84	
08 62 23 00-0004 EA 3' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	745.89	95.77
<i>For Class 3 Hail Rated, Add</i>	4.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	20.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
<i>For Single Blade Louver, Add</i>	572.30	
08 62 23 00-0005 EA 4' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	785.43	98.10
<i>For Class 3 Hail Rated, Add</i>	4.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	20.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
<i>For Single Blade Louver, Add</i>	572.77	
08 62 23 00-0006 EA 5' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	841.81	100.45
<i>For Class 3 Hail Rated, Add</i>	4.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	20.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
<i>For Single Blade Louver, Add</i>	573.24	
08 62 23 00-0007 EA 6' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	890.97	102.78
<i>For Class 3 Hail Rated, Add</i>	4.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	20.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
<i>For Single Blade Louver, Add</i>	573.71	
08 62 23 00-0008 EA 7' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	930.53	105.11
<i>For Class 3 Hail Rated, Add</i>	4.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	20.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
<i>For Single Blade Louver, Add</i>	574.17	
08 62 23 00-0009 EA 8' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	970.07	107.45
<i>For Class 3 Hail Rated, Add</i>	4.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	20.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
<i>For Single Blade Louver, Add</i>	574.64	
08 62 23 00-0010 EA 9' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,036.07	109.78
<i>For Class 3 Hail Rated, Add</i>	4.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	20.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
<i>For Single Blade Louver, Add</i>	575.11	
08 62 23 00-0011 EA 10' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,075.61	112.12
<i>For Class 3 Hail Rated, Add</i>	4.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	20.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
<i>For Single Blade Louver, Add</i>	575.57	

**08 Openings****08 60 Roof Windows And Skylights****08 62 Unit Skylights**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 62 23 00-0012	EA	11' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,116.36	114.45
		<i>For Class 3 Hail Rated, Add</i>	4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
		<i>For Single Blade Louver, Add</i>	576.04	
08 62 23 00-0013	EA	12' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,155.90	116.79
		<i>For Class 3 Hail Rated, Add</i>	4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
		<i>For Single Blade Louver, Add</i>	576.51	
08 62 23 00-0014	EA	13' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,221.89	119.13
		<i>For Class 3 Hail Rated, Add</i>	4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
		<i>For Single Blade Louver, Add</i>	576.98	
08 62 23 00-0015	EA	14' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,261.44	121.47
		<i>For Class 3 Hail Rated, Add</i>	4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
		<i>For Single Blade Louver, Add</i>	577.44	
08 62 23 00-0016	EA	15' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,300.99	123.80
		<i>For Class 3 Hail Rated, Add</i>	4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
		<i>For Single Blade Louver, Add</i>	577.91	
08 62 23 00-0017	EA	16' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,340.53	126.14
		<i>For Class 3 Hail Rated, Add</i>	4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
		<i>For Single Blade Louver, Add</i>	578.38	
08 62 23 00-0018		<b>31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights</b> <small>(08 62 23 00-0001)</small>		
08 62 23 00-0019	EA	2' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	867.48	93.43
		<i>For Class 3 Hail Rated, Add</i>	5.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	22.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
		<i>For Single Blade Louver, Add</i>	571.84	
08 62 23 00-0020	EA	3' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	923.86	95.77
		<i>For Class 3 Hail Rated, Add</i>	5.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	22.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
		<i>For Single Blade Louver, Add</i>	572.30	
08 62 23 00-0021	EA	4' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	980.24	98.10
		<i>For Class 3 Hail Rated, Add</i>	5.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	22.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
		<i>For Single Blade Louver, Add</i>	572.77	



<b>Openings</b>	<b>08</b>	<b>08</b>
Roof Windows And Skylights	08 60	
Unit Skylights	08 62	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0022 EA 5' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,036.62	100.45
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	573.24	
08 62 23 00-0023 EA 6' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,129.07	102.78
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	573.71	
08 62 23 00-0024 EA 7' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,185.46	105.11
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	574.17	
08 62 23 00-0025 EA 8' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,241.84	107.45
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	574.64	
08 62 23 00-0026 EA 9' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,334.29	109.78
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	575.11	
08 62 23 00-0027 EA 10' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,390.66	112.12
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	575.57	
08 62 23 00-0028 EA 11' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,447.05	114.45
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	576.04	
08 62 23 00-0029 EA 12' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,503.42	116.79
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	576.51	
08 62 23 00-0030 EA 13' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,595.87	119.13
<i>For Class 3 Hail Rated, Add</i>	5.00	
<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
<i>For FM Approved, Add</i>	22.00	
<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
<i>For Single Blade Louver, Add</i>	576.98	

**08 Openings****08 60 Roof Windows And Skylights****08 62 Unit Skylights**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0031	EA		14' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,652.25	121.47
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	577.44	
08 62 23 00-0032	EA		15' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,708.64	123.80
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	577.91	
08 62 23 00-0033	EA		16' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,765.01	126.14
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	578.38	
08 62 23 00-0034			<b>55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights</b> <small>(08 62 23 00-0001)</small>		
08 62 23 00-0035	EA		2' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,171.03	105.11
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	574.17	
08 62 23 00-0036	EA		3' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,250.25	107.45
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	574.64	
08 62 23 00-0037	EA		4' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,330.68	109.78
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	575.11	
08 62 23 00-0038	EA		5' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,409.90	112.12
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	575.57	
08 62 23 00-0039	EA		6' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,537.24	114.45
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	576.04	
08 62 23 00-0040	EA		7' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,616.46	116.79
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	576.51	



<b>Openings</b>	<b>08</b>
<b>Roof Windows And Skylights</b>	<b>08 60</b>
<b>Unit Skylights</b>	<b>08 62</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0041	EA		8' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,695.68	119.13
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	576.98	
08 62 23 00-0042	EA		9' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,824.21	121.47
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	577.44	
08 62 23 00-0043	EA		10' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,903.44	123.80
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	577.91	
08 62 23 00-0044	EA		11' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,982.67	126.14
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	578.38	
08 62 23 00-0045	EA		12' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,061.89	128.47
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	578.84	
08 62 23 00-0046	EA		13' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,189.22	130.80
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	579.31	
08 62 23 00-0047	EA		14' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,268.45	133.14
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	579.78	
08 62 23 00-0048	EA		15' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,348.88	135.47
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	580.25	
08 62 23 00-0049	EA		16' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,428.11	137.82
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	580.71	

**08 63 Metal-Framed Skylights** (08 60)

**08 63 13 Domed Metal-Framed Skylights** (08 63)

**08 Openings****08 60 Roof Windows And Skylights****08 63 Metal-Framed Skylights**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 63 13 00-0001		Aluminum Framed Skylights <small>(08 63 13)</small>		
08 63 13 00-0002		Fixed Dome, Aluminum Framed Skylights <small>(08 63 13 00-0001)</small>		
08 63 13 00-0003		Industrial Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 13 00-0002)</small>		
08 63 13 00-0004		Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 13 00-0003)</small>		
		Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0005	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	238.75	46.72
08 63 13 00-0006	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	280.11	46.72
08 63 13 00-0007	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	389.85	52.55
08 63 13 00-0008	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	441.70	58.39
08 63 13 00-0009	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	301.37	46.72
08 63 13 00-0010	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	374.49	52.55
08 63 13 00-0011	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	400.49	52.55
08 63 13 00-0012	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	462.97	58.39
08 63 13 00-0013	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	543.18	64.23
08 63 13 00-0014	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	379.22	52.55
08 63 13 00-0015	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	419.25	58.39
08 63 13 00-0016	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	468.88	58.39
08 63 13 00-0017	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	516.00	64.23
08 63 13 00-0018	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	572.58	70.08
08 63 13 00-0019	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	646.88	75.92
08 63 13 00-0020	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	454.70	58.39
08 63 13 00-0021	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	500.64	64.23
08 63 13 00-0022	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	573.76	70.08
08 63 13 00-0023	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	604.48	70.08
08 63 13 00-0024	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	702.41	75.92
08 63 13 00-0025		Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights <small>(08 63 13 00-0003)</small>		
		Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0026	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	297.83	46.72
08 63 13 00-0027	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	338.00	46.72
08 63 13 00-0028	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	435.93	52.55
08 63 13 00-0029	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	488.96	58.39
08 63 13 00-0030	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	343.91	46.72
08 63 13 00-0031	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	407.57	52.55
08 63 13 00-0032	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	435.93	52.55
08 63 13 00-0033	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	503.14	58.39
08 63 13 00-0034	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	566.81	64.23
08 63 13 00-0035	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	412.30	52.55
08 63 13 00-0036	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	457.06	58.39
08 63 13 00-0037	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	488.96	58.39
08 63 13 00-0038	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	538.45	64.23
08 63 13 00-0039	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	584.39	70.08



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0040 EA 52-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	659.87	75.92
08 63 13 00-0041 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	493.69	58.39
08 63 13 00-0042 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	543.18	64.23
08 63 13 00-0043 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	598.57	70.08
08 63 13 00-0044 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	631.65	70.08
08 63 13 00-0045 EA 63-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	720.13	75.92
<b>08 63 13 00-0046 High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights</b> <small>(08 63 13 00-0003)</small>		
<small>Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.</small>		
08 63 13 00-0047 EA 27-1/4" x 27-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	302.56	46.72
08 63 13 00-0048 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	347.45	46.72
08 63 13 00-0049 EA 27-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	448.93	52.55
08 63 13 00-0050 EA 39-1/4" x 39-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	355.72	46.72
08 63 13 00-0051 EA 39-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	424.11	52.55
08 63 13 00-0052 EA 39-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	448.93	52.55
08 63 13 00-0053 EA 39-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	517.32	58.39
08 63 13 00-0054 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	422.93	52.55
08 63 13 00-0055 EA 51-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	466.51	58.39
08 63 13 00-0056 EA 51-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	504.32	58.39
08 63 13 00-0057 EA 51-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	553.81	64.23
08 63 13 00-0058 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	603.30	70.08
08 63 13 00-0059 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	507.87	58.39
08 63 13 00-0060 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	562.08	64.23
08 63 13 00-0061 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	617.48	70.08
08 63 13 00-0062 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	650.56	70.08
<b>08 63 13 00-0063 FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights</b> <small>(08 63 13 00-0003)</small>		
<small>Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.</small>		
08 63 13 00-0064 EA 27-1/4" x 27-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	310.83	46.72
08 63 13 00-0065 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	360.45	46.72
08 63 13 00-0066 EA 27-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	460.74	52.55
08 63 13 00-0067 EA 27-1/4" x 123-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	531.50	58.39
08 63 13 00-0068 EA 39-1/4" x 39-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	367.54	46.72
08 63 13 00-0069 EA 39-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	434.75	52.55
08 63 13 00-0070 EA 39-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	460.74	52.55
08 63 13 00-0071 EA 39-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	535.04	58.39
08 63 13 00-0072 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	435.93	52.55
08 63 13 00-0073 EA 51-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	479.51	58.39
08 63 13 00-0074 EA 51-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	520.86	58.39
08 63 13 00-0075 EA 51-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	571.53	64.23
08 63 13 00-0076 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	622.20	70.08



**08 Openings****08 60 Roof Windows And Skylights****08 63 Metal-Framed Skylights**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0077	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	525.59	58.39
08 63 13 00-0078	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	579.80	64.23
08 63 13 00-0079	EA		63-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	636.38	70.08
08 63 13 00-0080	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	671.83	70.08
<b>08 63 13 00-0081</b>			<b>Curb Top Inserts</b> <small>(08 63 13 00-0003)</small> Note: For use with industrial style fixed dome skylights for better u-value and solar heat gain coefficient/shading coefficient (SHGC/SC) properties. Includes mill finish aluminum frame and acrylic or polycarbonate glazing. Excludes roof curb.		
<b>08 63 13 00-0082</b>			<b>Single Glazed, Aluminum Framed Curb Top Inserts</b> <small>(08 63 13 00-0081)</small>		
08 63 13 00-0083	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	90.01	23.36
08 63 13 00-0084	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	130.71	26.28
08 63 13 00-0085	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	228.81	35.04
08 63 13 00-0086	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	212.14	32.12
08 63 13 00-0087	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert.....	262.48	35.04
<b>08 63 13 00-0088</b>			<b>Double Glazed, Aluminum Framed Curb Top Inserts</b> <small>(08 63 13 00-0081)</small>		
08 63 13 00-0089	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	139.31	23.36
08 63 13 00-0090	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	225.71	26.28
08 63 13 00-0091	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	400.77	35.04
08 63 13 00-0092	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	394.92	32.12
08 63 13 00-0093	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	500.58	35.04
<b>08 63 13 00-0094</b>			<b>Triple Glazed, Aluminum Framed Curb Top Inserts</b> <small>(08 63 13 00-0081)</small>		
08 63 13 00-0095	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	187.41	23.36
08 63 13 00-0096	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	315.90	26.28
08 63 13 00-0097	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	612.41	35.04
08 63 13 00-0098	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	565.67	32.12
08 63 13 00-0099	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert.....	721.84	35.04
<b>08 63 13 00-0100</b>			<b>Pyramid Style Fixed Dome, Aluminum Framed Skylights</b> <small>(08 63 13 00-0002)</small>		
<b>08 63 13 00-0101</b>			<b>Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight</b> <small>(08 63 13 00-0100)</small> Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0102	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	217.49	46.72
08 63 13 00-0103	EA		39-1/4" x 39-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	268.29	46.72
08 63 13 00-0104	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	346.14	52.55
08 63 13 00-0105	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	441.70	58.39
<b>08 63 13 00-0106</b>			<b>Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight</b> <small>(08 63 13 00-0100)</small> Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0107	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	309.64	46.72
08 63 13 00-0108	EA		39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	362.81	46.72
08 63 13 00-0109	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	432.39	52.55
08 63 13 00-0110	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight.....	520.86	58.39
<b>08 63 13 00-0111</b>			<b>Double Hip Style Fixed Dome, Aluminum Framed Skylights</b> <small>(08 63 13 00-0002)</small>		
<b>08 63 13 00-0112</b>			<b>Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight</b> <small>(08 63 13 00-0111)</small> Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0113	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	261.20	46.72
08 63 13 00-0114	EA		27-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	354.41	52.55
08 63 13 00-0115	EA		27-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	422.80	58.39



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0116 EA 39-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	329.59	52.55
08 63 13 00-0117 EA 39-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	354.41	52.55
08 63 13 00-0118 EA 39-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	436.98	58.39
08 63 13 00-0119 EA 39-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	518.37	64.23
08 63 13 00-0120 EA 51-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	387.35	58.39
08 63 13 00-0121 EA 51-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	422.80	58.39
08 63 13 00-0122 EA 51-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	473.47	64.23
08 63 13 00-0123 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	520.59	70.08
08 63 13 00-0124 EA 52-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	620.89	75.92
08 63 13 00-0125 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	487.65	64.23
08 63 13 00-0126 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	556.04	70.08
08 63 13 00-0127 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	592.66	70.08
08 63 13 00-0128 EA 63-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	689.41	75.92
<b>08 63 13 00-0129 Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight</b> <small>(08 63 13 00-0111)</small>		
Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0130 EA 27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	301.37	46.72
08 63 13 00-0131 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	343.91	46.72
08 63 13 00-0132 EA 27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	441.84	52.55
08 63 13 00-0133 EA 39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	352.18	46.72
08 63 13 00-0134 EA 39-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	394.58	52.55
08 63 13 00-0135 EA 39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	417.03	52.55
08 63 13 00-0136 EA 39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	441.84	52.55
08 63 13 00-0137 EA 39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	511.41	58.39
08 63 13 00-0138 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	418.21	52.55
08 63 13 00-0139 EA 51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	461.79	58.39
08 63 13 00-0140 EA 51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	497.23	58.39
08 63 13 00-0141 EA 51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	545.54	64.23
08 63 13 00-0142 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	593.85	70.08
08 63 13 00-0143 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	499.60	58.39
08 63 13 00-0144 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	553.81	64.23
08 63 13 00-0145 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	608.02	70.08
08 63 13 00-0146 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	639.92	70.08
<b>08 63 13 00-0147 Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight</b> <small>(08 63 13 00-0111)</small>		
Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb.		
08 63 13 00-0148 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	340.36	46.72
08 63 13 00-0149 EA 27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	457.20	52.55
08 63 13 00-0150 EA 39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	430.02	52.55
08 63 13 00-0151 EA 39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	457.20	52.55
08 63 13 00-0152 EA 39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	530.31	58.39

**08 Openings****08 60 Roof Windows And Skylights****08 63 Metal-Framed Skylights**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0153	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	475.97	58.39
08 63 13 00-0154	EA		51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	514.96	58.39
08 63 13 00-0155	EA		51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	566.81	64.23
08 63 13 00-0156	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	612.75	70.08
08 63 13 00-0157	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	575.08	64.23
08 63 13 00-0158	EA		63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	631.65	70.08
08 63 13 00-0159	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight .....	665.92	70.08
08 63 13 00-0160			Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0001)</small>		
08 63 13 00-0161			Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0160)</small> Note: UL listed or FM approved. Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, curb seal tape, weather sweep, fasteners, fusible link with a minimum temperature rating of 165 degrees, gas shocks and exterior manual release cable for testing.		
08 63 13 00-0162			Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0161)</small>		
08 63 13 00-0163			10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0162)</small>		
08 63 13 00-0164	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	1,520.14	70.08
08 63 13 00-0165	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	1,412.63	70.08
08 63 13 00-0166	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	1,599.30	70.08
08 63 13 00-0167			25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0162)</small>		
08 63 13 00-0168	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	1,991.56	70.08
08 63 13 00-0169	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	1,888.77	70.08
08 63 13 00-0170	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	2,099.08	70.08
08 63 13 00-0171			30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0162)</small>		
08 63 13 00-0172	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	2,127.43	70.08
08 63 13 00-0173	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	2,022.28	70.08
08 63 13 00-0174	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	2,232.59	70.08
08 63 13 00-0175			Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0161)</small>		
08 63 13 00-0176			10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0175)</small>		
08 63 13 00-0177	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	1,527.23	70.08
08 63 13 00-0178	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	1,419.71	70.08
08 63 13 00-0179	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	1,609.94	70.08
08 63 13 00-0180			25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights <small>(08 63 13 00-0175)</small>		
08 63 13 00-0181	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	2,001.01	70.08
08 63 13 00-0182	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	1,895.86	70.08
08 63 13 00-0183	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight .....	2,110.89	70.08



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0184				<b>30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> <small>(08 63 13 00-0175)</small>		
08 63 13 00-0185	EA			52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	2,134.52	70.08
08 63 13 00-0186	EA			63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	2,029.37	70.08
08 63 13 00-0187	EA			63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	2,244.40	70.08
<b>08 66 Wood-Framed Skylights</b> <small>(08 66)</small>						
08 66 00 00-0001				<b>Wood-Framed Skylights (Andersen 400 Series)</b> <small>(08 66)</small>		
08 66 00 00-0002	EA			16-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series).....	355.34	49.12
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	64.28	
				<i>For Aluminum Shingle Flashing, Add</i>	51.42	
08 66 00 00-0003	EA			16-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series).....	365.84	49.12
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	66.90	
				<i>For Aluminum Shingle Flashing, Add</i>	53.52	
08 66 00 00-0004	EA			24-1/2" x 27", Domed, Wood-Framed Skylight (Andersen 400 Series).....	340.91	49.12
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	60.67	
				<i>For Aluminum Shingle Flashing, Add</i>	48.53	
08 66 00 00-0005	EA			24-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series).....	373.71	49.12
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	68.87	
				<i>For Aluminum Shingle Flashing, Add</i>	55.09	
08 66 00 00-0006	EA			24-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series).....	401.26	49.12
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	75.76	
				<i>For Aluminum Shingle Flashing, Add</i>	60.60	
08 66 00 00-0007	EA			24-1/2" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series).....	445.86	49.12
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	86.91	
				<i>For Aluminum Shingle Flashing, Add</i>	69.52	
08 66 00 00-0008	EA			24-1/2" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series).....	502.26	49.12
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	101.01	
				<i>For Aluminum Shingle Flashing, Add</i>	80.80	
08 66 00 00-0009	EA			27" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	340.91	49.12
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	60.67	
				<i>For Aluminum Shingle Flashing, Add</i>	48.53	
08 66 00 00-0010	EA			28" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series).....	407.81	49.12
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	77.39	
				<i>For Aluminum Shingle Flashing, Add</i>	61.91	
08 66 00 00-0011	EA			28" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series).....	445.86	49.12
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	86.91	
				<i>For Aluminum Shingle Flashing, Add</i>	69.52	
08 66 00 00-0012	EA			28" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series).....	489.14	49.12
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	97.73	
				<i>For Aluminum Shingle Flashing, Add</i>	78.18	
08 66 00 00-0013	EA			28" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series).....	546.86	49.12
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	112.16	
				<i>For Aluminum Shingle Flashing, Add</i>	89.72	
08 66 00 00-0014	EA			38" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	355.34	49.12
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	64.28	
				<i>For Aluminum Shingle Flashing, Add</i>	51.42	
08 66 00 00-0015	EA			38" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	373.71	49.12
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	68.87	
				<i>For Aluminum Shingle Flashing, Add</i>	55.09	
08 66 00 00-0016	EA			38" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series).....	407.81	49.12
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	77.39	
				<i>For Aluminum Shingle Flashing, Add</i>	61.91	
08 66 00 00-0017	EA			44" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series).....	528.50	49.12
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	107.57	
				<i>For Aluminum Shingle Flashing, Add</i>	86.05	
08 66 00 00-0018	EA			46" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	365.84	49.12
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	66.90	
				<i>For Aluminum Shingle Flashing, Add</i>	53.52	
08 66 00 00-0019	EA			46" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	401.26	49.12
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	75.76	
				<i>For Aluminum Shingle Flashing, Add</i>	60.60	
08 66 00 00-0020	EA			46" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series).....	445.86	49.12
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	86.91	
				<i>For Aluminum Shingle Flashing, Add</i>	69.52	
08 66 00 00-0021	EA			46" x 44", Domed, Wood-Framed Skylight (Andersen 400 Series).....	528.50	49.12
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	107.57	
				<i>For Aluminum Shingle Flashing, Add</i>	86.05	
08 66 00 00-0022	EA			57" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	445.86	49.12
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	86.91	
				<i>For Aluminum Shingle Flashing, Add</i>	69.52	
08 66 00 00-0023	EA			57" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series).....	489.14	49.12
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	97.73	
				<i>For Aluminum Shingle Flashing, Add</i>	78.18	
08 66 00 00-0024	EA			72" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series).....	502.26	49.12
				<i>For Tempered Laminated Low-E Insulated Glass, Add</i>	101.01	
				<i>For Aluminum Shingle Flashing, Add</i>	80.80	

**08 Openings****08 60 Roof Windows And Skylights****08 66 Wood-Framed Skylights**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 66 00 00-0025	EA		72" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series).....	546.86	49.12
			For Tempered Laminated Low-E Insulated Glass, Add	112.16	
			For Aluminum Shingle Flashing, Add	89.72	

**08 70 Hardware****08 71 Door Hardware****08 71 11 Door Hardware**

Note: All hardware is ANSI/BHMA Grade 1 unless otherwise noted. See CSI section 08 05 13 00-0041 for removal and reinstallation of existing door where required for modifications.

**08 71 11 00-0001 Hinges**

Note: Unit of measure "PR" indicates that two (2) sets of hinges (top and bottom) are priced. For doors with three (3) sets of hinges (top, middle and bottom), use 1.5 pairs. Excludes mortise preparation for wood doors.

**08 71 11 00-0002 Brass/Bronze, Satin Chrome Finish Hinges**

Note: US26D (BHMA 626) satin chrome finish.

**08 71 11 00-0003 Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinges**

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0004	PR		3-1/2" x 3-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	48.31	2.75
			For Clear Coated Bright Brass, Add	4.73	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0005	PR		4" x 4" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	53.29	3.93
			For Clear Coated Bright Brass, Add	5.26	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0006	PR		4-1/2" x 4-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	53.87	4.32
			For Clear Coated Bright Brass, Add	4.40	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	

**08 71 11 00-0007 Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges**

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0008	PR		3-1/2" x 3-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	58.13	2.75
			For Clear Coated Bright Brass, Add	6.06	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0009	PR		4" x 4" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	62.95	3.93
			For Clear Coated Bright Brass, Add	6.06	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0010	PR		4-1/2" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	60.72	4.32
			For Clear Coated Bright Brass, Add	5.36	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0011	PR		5" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	70.97	5.11
			For Clear Coated Bright Brass, Add	6.27	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0012	PR		5" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	71.65	5.11
			For Clear Coated Bright Brass, Add	6.36	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0013	PR		6" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	79.44	6.56
			For Clear Coated Bright Brass, Add	7.46	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	

**08 71 11 00-0014 Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges**

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0015	PR		3-1/2" x 3-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge .....	68.57	2.75
08 71 11 00-0016	PR		4" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	73.39	3.93
08 71 11 00-0017	PR		4-1/2" x 4-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge .....	72.07	4.32
08 71 11 00-0018	PR		5" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	83.49	5.11

**08 71 11 00-0019 Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges**

Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.

08 71 11 00-0020	PR		4-1/2" x 4-1/2" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge .....	83.49	4.32
			For Clear Coated Bright Brass, Add	8.55	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0021	PR		5" x 4" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	93.93	5.11
			For Clear Coated Bright Brass, Add	9.48	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0022	PR		5" x 5" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	108.27	5.11
			For Clear Coated Bright Brass, Add	11.49	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	

**08 71 11 00-0023 Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges**

Note: Set into mortised edge of the door and surface applied to the face of the frame.



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Hardware</b>	<b>08 70</b>	
<b>Door Hardware</b>	<b>08 71</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0024	PR		4-1/2" x 4-1/2" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	86.32 8.94 6.00	4.32
08 71 11 00-0025	PR		5" x 4" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	102.00 10.61 6.00	5.11
<b>08 71 11 00-0026</b>			<b>Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze Satin Chrome Finish Hinge</b> <small>(08 71 11 00-0002)</small> Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0027	PR		4-1/2" x 4-1/2" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	82.89 8.46 6.00	4.32
08 71 11 00-0028	PR		5" x 5" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge..... <i>For Clear Coated Bright Brass, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	95.49 9.70 6.00	6.56
<b>08 71 11 00-0029</b>			<b>Mortised, Wrought Steel Hinges</b> <small>(08 71 11 00-0001)</small> Note: Clear coated, US 26D satin chrome finish (BHMA 652).		
<b>08 71 11 00-0030</b>			<b>Full Mortise, Plain Bearing, Wrought Steel Hinges</b> <small>(08 71 11 00-0029)</small> Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0031	PR		3-1/2" x 3-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Extra Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	23.65 -1.76 1.10 -1.06 4.85 1.32 3.53 6.00	2.75
08 71 11 00-0032	PR		4" x 4", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Extra Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	29.38 -1.95 1.22 -1.17 5.35 1.46 3.89 6.00	3.93
08 71 11 00-0033	PR		4-1/2" x 4-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Extra Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	34.31 -2.37 1.48 -1.42 6.52 1.78 4.74 6.00	4.32
<b>08 71 11 00-0034</b>			<b>Full Mortise, Ball Bearing, Wrought Steel Hinges</b> <small>(08 71 11 00-0029)</small> Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0035	PR		3-1/2" x 3-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Extra Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	46.98 -6.43 4.02 -3.86 17.68 4.82 12.86 6.00	2.75
08 71 11 00-0036	PR		4" x 4", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Extra Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	56.05 -7.28 4.55 -4.37 20.02 5.46 14.56 6.00	3.93
08 71 11 00-0037	PR		4-1/2" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Extra Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	71.45 -9.80 6.13 -5.88 26.95 7.35 19.60 6.00	4.32
08 71 11 00-0038	PR		5" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Extra Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	79.41 -10.64 6.65 -6.39 29.27 7.98 21.29 6.00	5.11

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0039	PR		5" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	86.92	5.11
			<i>For Primed For Paint Finish, Deduct</i>	-12.15	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	7.59	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-7.29	
			<i>For Stainless Steel, Add</i>	33.40	
			<i>For Heavy Duty, Add</i>	9.11	
			<i>For Extra Heavy Duty, Add</i>	24.29	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0040	PR		6" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	109.83	5.11
			<i>For Primed For Paint Finish, Deduct</i>	-16.73	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	10.46	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-10.04	
			<i>For Stainless Steel, Add</i>	46.00	
			<i>For Heavy Duty, Add</i>	12.55	
			<i>For Extra Heavy Duty, Add</i>	33.46	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
<b>08 71 11 00-0041</b>			<b>Half Surface, Plain Bearing, Wrought Steel Hinges</b> (08 71 11 00-0029)		
			Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.		
08 71 11 00-0042	PR		3-1/2" x 3-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	60.45	2.75
			<i>For Primed For Paint Finish, Deduct</i>	-9.12	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	5.70	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-5.47	
			<i>For Stainless Steel, Add</i>	25.09	
			<i>For Heavy Duty, Add</i>	6.84	
			<i>For Extra Heavy Duty, Add</i>	18.25	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0043	PR		4" x 4", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	71.35	3.93
			<i>For Primed For Paint Finish, Deduct</i>	-10.34	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	6.46	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-6.20	
			<i>For Stainless Steel, Add</i>	28.44	
			<i>For Heavy Duty, Add</i>	7.76	
			<i>For Extra Heavy Duty, Add</i>	20.68	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0044	PR		4-1/2" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	80.23	4.32
			<i>For Primed For Paint Finish, Deduct</i>	-11.56	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	7.22	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-6.93	
			<i>For Stainless Steel, Add</i>	31.78	
			<i>For Heavy Duty, Add</i>	8.67	
			<i>For Extra Heavy Duty, Add</i>	23.11	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0045	PR		5" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	90.06	5.11
			<i>For Primed For Paint Finish, Deduct</i>	-12.77	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	7.98	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-7.66	
			<i>For Stainless Steel, Add</i>	35.13	
			<i>For Heavy Duty, Add</i>	9.58	
			<i>For Extra Heavy Duty, Add</i>	25.55	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
<b>08 71 11 00-0046</b>			<b>Half Surface, Ball Bearing, Wrought Steel Hinges</b> (08 71 11 00-0029)		
			Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.		
08 71 11 00-0047	PR		4" x 4", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge.....	85.04	4.32
			<i>For Primed For Paint Finish, Deduct</i>	-13.08	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	8.17	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-7.85	
			<i>For Stainless Steel, Add</i>	35.96	
			<i>For Heavy Duty, Add</i>	9.81	
			<i>For Extra Heavy Duty, Add</i>	26.16	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0048	PR		4-1/2" x 4-1/2", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge.....	94.80	4.32
			<i>For Primed For Paint Finish, Deduct</i>	-14.47	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	9.04	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-8.68	
			<i>For Stainless Steel, Add</i>	39.79	
			<i>For Heavy Duty, Add</i>	10.85	
			<i>For Extra Heavy Duty, Add</i>	28.94	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0049	PR		5" x 5", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge.....	109.83	5.11
			<i>For Primed For Paint Finish, Deduct</i>	-16.73	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	10.46	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-10.04	
			<i>For Stainless Steel, Add</i>	46.00	
			<i>For Heavy Duty, Add</i>	12.55	
			<i>For Extra Heavy Duty, Add</i>	33.46	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
<b>08 71 11 00-0050</b>			<b>Slide-In, Full Mortise, Ball Bearing, Wrought Steel Hinges</b> (08 71 11 00-0029)		
			Note: Both leaves slide into a cavity prepared in the door and door frame.		



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0051	PR		4-1/2" x 4-1/2", Standard Duty, Slide In, Full Mortise, Ball Bearing, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Extra Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	73.04 -10.12 6.32 -6.07 27.82 7.59 20.24 6.00	4.32
<b>08 71 11 00-0052</b>			<b>Blank Butt Hinges</b> (08 71 11 00-0029)		
08 71 11 00-0053	PR		3-1/2" x 3-1/2" To 5" x 5", Blank Butt With Screws, Steel Hinge ..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i> <i>For Heavy Duty, Add</i> <i>For Extra Heavy Duty, Add</i> <i>For Pair Of Non-Removable Pins (NRP), Add</i>	13.47 -1.29 0.81 -0.77 3.54 0.97 2.58 6.00	1.76
<b>08 71 11 00-0054</b>			<b>Full Mortise, Single Acting Spring, Wrought Steel Hinges</b> (08 71 11 00-0029) Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0055	PR		3-1/2" x 3-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge ..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i>	63.15 -9.66 6.04 -5.80 26.58	2.75
08 71 11 00-0056	PR		4" x 4", Full Mortise, Single Acting Spring, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i>	82.86 -12.64 7.90 -7.59 34.77	3.93
08 71 11 00-0057	PR		4-1/2" x 4-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge ..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i>	115.43 -18.60 11.62 -11.16 51.14	4.32
08 71 11 00-0058			<b>Offset And Pivot Hinges</b> (08 71 11 00-0001) Note: Satin chrome plated, US26D.		
08 71 11 00-0059			<b>Offset Swing Clear Hinges</b> (08 71 11 00-0058) Note: For use on 1-3/8" and 1-3/4" doors. Allows doors to swing completely clear of the openings.		
08 71 11 00-0060	EA		4-1/2", Swing Clear, Offset Hinges .....	135.39	1.23
08 71 11 00-0061			<b>Offset Pivot Hinges</b> (08 71 11 00-0058)		
08 71 11 00-0062			<b>3/4" Offset Pivot Hinges</b> (08 71 11 00-0061)		
08 71 11 00-0063			<b>3/4" Offset Pivot Hinges</b> (08 71 11 00-0062)		
08 71 11 00-0064			<b>Top Mount, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0063)		
08 71 11 00-0065			<b>200 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0064)		
08 71 11 00-0066	EA		Painted Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top) .....	88.93	3.93
08 71 11 00-0067	EA		Satin Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top) .....	122.10	3.93
08 71 11 00-0068	EA		Bright Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top) .....	140.53	3.93
08 71 11 00-0069	EA		Satin Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top) .....	140.53	3.93
08 71 11 00-0070	EA		Satin Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top) .....	140.53	3.93
08 71 11 00-0071	EA		Dark Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top) .....	140.53	3.93
08 71 11 00-0072	EA		Bright Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top) .....	140.53	3.93
08 71 11 00-0073	EA		Painted Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top) .....	98.51	3.93
08 71 11 00-0074	EA		Satin Chrome Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top) .....	127.27	3.93
08 71 11 00-0075	EA		Bright Brass Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top) .....	146.42	3.93
08 71 11 00-0076	EA		Satin Brass Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top) .....	146.42	3.93
08 71 11 00-0077	EA		Satin Bronze Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top) .....	146.42	3.93
08 71 11 00-0078	EA		Dark Bronze Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top) .....	146.42	3.93
08 71 11 00-0079	EA		Bright Chrome Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top) .....	146.42	3.93
08 71 11 00-0080	EA		Painted Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top) .....	88.93	3.93
08 71 11 00-0081	EA		Satin Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top) .....	122.10	3.93
08 71 11 00-0082	EA		Bright Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top) .....	140.53	3.93
08 71 11 00-0083	EA		Satin Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top) .....	140.53	3.93
08 71 11 00-0084	EA		Satin Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top) .....	140.53	3.93
08 71 11 00-0085	EA		Dark Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top) .....	140.53	3.93
08 71 11 00-0086	EA		Bright Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top) .....	140.53	3.93
<b>08 71 11 00-0087</b>			<b>500 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0064)		
08 71 11 00-0088	EA		Painted Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top) .....	90.89	4.92
08 71 11 00-0089	EA		Satin Chrome Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top) .....	124.06	4.92
08 71 11 00-0090	EA		Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top) .....	142.49	4.92



**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0091	EA		Satin Brass Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	142.49	4.92
08 71 11 00-0092	EA		Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	142.49	4.92
08 71 11 00-0093	EA		Dark Bronze Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	142.49	4.92
08 71 11 00-0094	EA		Bright Chrome Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	142.49	4.92
<b>08 71 11 00-0095</b>			<b>600 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0064)		
08 71 11 00-0096	EA		Painted Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	90.89	4.92
08 71 11 00-0097	EA		Satin Chrome Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	124.06	4.92
08 71 11 00-0098	EA		Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	142.49	4.92
08 71 11 00-0099	EA		Satin Brass Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	142.49	4.92
08 71 11 00-0100	EA		Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	142.49	4.92
08 71 11 00-0101	EA		Dark Bronze Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	142.49	4.92
08 71 11 00-0102	EA		Bright Chrome Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	142.49	4.92
<b>08 71 11 00-0103</b>			<b>700 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0064)		
08 71 11 00-0104	EA		Painted Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	90.89	4.92
08 71 11 00-0105	EA		Satin Chrome Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	124.06	4.92
08 71 11 00-0106	EA		Bright Brass Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	142.49	4.92
08 71 11 00-0107	EA		Satin Brass Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	142.49	4.92
08 71 11 00-0108	EA		Satin Bronze Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	142.49	4.92
08 71 11 00-0109	EA		Dark Bronze Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	142.49	4.92
08 71 11 00-0110	EA		Bright Chrome Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	142.49	4.92
<b>08 71 11 00-0111</b>			<b>Intermediate Mount, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0063)		
<b>08 71 11 00-0112</b>			<b>200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0111)		
08 71 11 00-0113	EA		Painted Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	112.51	3.93
08 71 11 00-0114	EA		Satin Chrome Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	140.53	3.93
08 71 11 00-0115	EA		Bright Brass Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	160.42	3.93
08 71 11 00-0116	EA		Satin Brass Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	160.42	3.93
08 71 11 00-0117	EA		Satin Bronze Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	160.42	3.93
08 71 11 00-0118	EA		Dark Bronze Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	160.42	3.93
08 71 11 00-0119	EA		Bright Chrome Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	160.42	3.93
<b>08 71 11 00-0120</b>			<b>500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0111)		
08 71 11 00-0121	EA		Painted Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	124.06	4.92
08 71 11 00-0122	EA		Satin Chrome Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	132.90	4.92
08 71 11 00-0123	EA		Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	148.38	4.92
08 71 11 00-0124	EA		Satin Brass Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	148.38	4.92
08 71 11 00-0125	EA		Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	148.38	4.92
08 71 11 00-0126	EA		Dark Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	148.38	4.92
08 71 11 00-0127	EA		Bright Chrome Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT).....	148.38	4.92
<b>08 71 11 00-0128</b>			<b>600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0111)		
08 71 11 00-0129	EA		Painted Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	124.06	4.92
08 71 11 00-0130	EA		Satin Chrome Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	132.90	4.92
08 71 11 00-0131	EA		Bright Brass Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	148.38	4.92
08 71 11 00-0132	EA		Satin Brass Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	148.38	4.92
08 71 11 00-0133	EA		Satin Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	148.38	4.92
08 71 11 00-0134	EA		Dark Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	148.38	4.92
08 71 11 00-0135	EA		Bright Chrome Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT).....	148.38	4.92
<b>08 71 11 00-0136</b>			<b>700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0111)		
08 71 11 00-0137	EA		Painted Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	124.06	4.92
08 71 11 00-0138	EA		Satin Chrome Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	132.90	4.92
08 71 11 00-0139	EA		Bright Brass Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	148.38	4.92
08 71 11 00-0140	EA		Satin Brass Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	148.38	4.92
08 71 11 00-0141	EA		Satin Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	148.38	4.92
08 71 11 00-0142	EA		Dark Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	148.38	4.92
08 71 11 00-0143	EA		Bright Chrome Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT).....	148.38	4.92
<b>08 71 11 00-0144</b>			<b>Bottom Mount, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0063)		
<b>08 71 11 00-0145</b>			<b>200 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0144)		
08 71 11 00-0146	EA		Painted Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM).....	98.51	3.93



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0147 EA Satin Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM) .....	127.27	3.93
08 71 11 00-0148 EA Bright Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM) .....	146.42	3.93
08 71 11 00-0149 EA Satin Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM) .....	146.42	3.93
08 71 11 00-0150 EA Satin Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM) .....	146.42	3.93
08 71 11 00-0151 EA Dark Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM) .....	146.42	3.93
08 71 11 00-0152 EA Bright Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM) .....	146.42	3.93
08 71 11 00-0153 EA Painted Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM) .....	136.84	3.93
08 71 11 00-0154 EA Satin Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM) .....	127.27	3.93
08 71 11 00-0155 EA Bright Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM) .....	146.42	3.93
08 71 11 00-0156 EA Satin Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM) .....	146.42	3.93
08 71 11 00-0157 EA Satin Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM) .....	146.42	3.93
08 71 11 00-0158 EA Dark Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM) .....	146.42	3.93
08 71 11 00-0159 EA Bright Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM) .....	146.42	3.93
08 71 11 00-0160 EA Painted Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM) .....	84.51	3.93
08 71 11 00-0161 EA Satin Chrome Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM) .....	117.68	3.93
08 71 11 00-0162 EA Bright Brass Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM) .....	136.84	3.93
08 71 11 00-0163 EA Satin Brass Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM) .....	136.84	3.93
08 71 11 00-0164 EA Satin Bronze Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM) .....	136.84	3.93
08 71 11 00-0165 EA Dark Bronze Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM) .....	136.84	3.93
08 71 11 00-0166 EA Bright Chrome Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM) .....	136.84	3.93
<b>08 71 11 00-0167 500 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0144)</b>		
08 71 11 00-0168 EA Satin Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM) .....	152.07	4.92
08 71 11 00-0169 EA Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM) .....	162.38	4.92
08 71 11 00-0170 EA Satin Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM) .....	162.38	4.92
08 71 11 00-0171 EA Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM) .....	162.38	4.92
08 71 11 00-0172 EA Dark Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM) .....	162.38	4.92
08 71 11 00-0173 EA Bright Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM) .....	162.38	4.92
08 71 11 00-0174 EA Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM) .....	165.33	4.92
<b>08 71 11 00-0175 600 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0144)</b>		
08 71 11 00-0176 EA Painted Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM) .....	129.23	4.92
08 71 11 00-0177 EA Satin Chrome Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM) .....	142.49	4.92
08 71 11 00-0178 EA Bright Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM) .....	152.07	4.92
08 71 11 00-0179 EA Satin Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM) .....	152.07	4.92
08 71 11 00-0180 EA Satin Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM) .....	152.07	4.92
08 71 11 00-0181 EA Dark Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM) .....	152.07	4.92
08 71 11 00-0182 EA Bright Chrome Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM) .....	152.07	4.92
<b>08 71 11 00-0183 700 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0144)</b>		
08 71 11 00-0184 EA Painted Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM) .....	309.05	4.92
08 71 11 00-0185 EA Satin Chrome Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM) .....	332.64	4.92
08 71 11 00-0186 EA Bright Brass Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM) .....	370.24	4.92
08 71 11 00-0187 EA Satin Brass Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM) .....	370.24	4.92
08 71 11 00-0188 EA Satin Bronze Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM) .....	370.24	4.92
08 71 11 00-0189 EA Dark Bronze Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM) .....	370.24	4.92
08 71 11 00-0190 EA Bright Chrome Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM) .....	370.24	4.92
<b>08 71 11 00-0191 Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0062)</b>		
<b>08 71 11 00-0192 Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0191)</b>		
<b>08 71 11 00-0193 500 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0192)</b>		
08 71 11 00-0194 EA Painted Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top) .....	180.09	4.92
08 71 11 00-0195 EA Satin Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top) .....	214.71	4.92
08 71 11 00-0196 EA Bright Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top) .....	242.73	4.92
08 71 11 00-0197 EA Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top) .....	242.73	4.92
08 71 11 00-0198 EA Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top) .....	242.73	4.92
<b>08 71 11 00-0199 600 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0192)</b>		
08 71 11 00-0200 EA Painted Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top) .....	180.09	4.92
08 71 11 00-0201 EA Satin Stainless Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top) .....	214.71	4.92
08 71 11 00-0202 EA Bright Stainless Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top) .....	242.73	4.92

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0203 EA Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top) .....	242.73	4.92
08 71 11 00-0204 EA Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top) .....	242.73	4.92
<b>08 71 11 00-0205 700 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0192)</small>		
08 71 11 00-0206 EA Painted Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top) .....	180.09	4.92
08 71 11 00-0207 EA Satin Stainless Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top) .....	214.71	4.92
08 71 11 00-0208 EA Bright Stainless Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top) .....	242.73	4.92
08 71 11 00-0209 EA Bright Brass Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top) .....	242.73	4.92
08 71 11 00-0210 EA Satin Bronze Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top) .....	242.73	4.92
<b>08 71 11 00-0211 1,000 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0192)</small>		
08 71 11 00-0212 EA Painted Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top) .....	187.94	5.89
08 71 11 00-0213 EA Satin Stainless Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top) .....	216.68	5.89
08 71 11 00-0214 EA Bright Stainless Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top) .....	229.95	5.89
08 71 11 00-0215 EA Bright Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top) .....	229.95	5.89
08 71 11 00-0216 EA Satin Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top) .....	229.95	5.89
<b>08 71 11 00-0217 1,750 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0192)</small>		
08 71 11 00-0218 EA Painted Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top) .....	187.94	5.89
08 71 11 00-0219 EA Satin Stainless Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top) .....	216.68	5.89
08 71 11 00-0220 EA Bright Stainless Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top) .....	229.95	5.89
08 71 11 00-0221 EA Bright Brass Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top) .....	229.95	5.89
08 71 11 00-0222 EA Satin Bronze Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top) .....	229.95	5.89
<b>08 71 11 00-0223 Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0191)</small>		
<b>08 71 11 00-0224 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0223)</small>		
08 71 11 00-0225 EA Painted Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT) .....	185.97	4.92
08 71 11 00-0226 EA Satin Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT) .....	218.40	4.92
08 71 11 00-0227 EA Bright Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT) .....	227.98	4.92
08 71 11 00-0228 EA Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT) .....	227.98	4.92
08 71 11 00-0229 EA Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT) .....	227.98	4.92
<b>08 71 11 00-0230 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0223)</small>		
08 71 11 00-0231 EA Painted Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT) .....	185.97	4.92
08 71 11 00-0232 EA Satin Stainless Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT) .....	218.40	4.92
08 71 11 00-0233 EA Bright Stainless Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT) .....	227.98	4.92
08 71 11 00-0234 EA Bright Brass Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT) .....	227.98	4.92
08 71 11 00-0235 EA Satin Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT) .....	227.98	4.92
<b>08 71 11 00-0236 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0223)</small>		
08 71 11 00-0237 EA Painted Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT) .....	185.97	4.92



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0238	EA		Satin Stainless Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT) .....	218.40	4.92
08 71 11 00-0239	EA		Bright Stainless Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT) .....	227.98	4.92
08 71 11 00-0240	EA		Bright Brass Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT) .....	227.98	4.92
08 71 11 00-0241	EA		Satin Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT) .....	227.98	4.92
<b>08 71 11 00-0242</b>			<b>1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0223)</small>		
08 71 11 00-0243	EA		Painted Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT) .....	207.11	5.89
08 71 11 00-0244	EA		Satin Stainless Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT) .....	240.27	5.89
08 71 11 00-0245	EA		Bright Stainless Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT) .....	249.11	5.89
08 71 11 00-0246	EA		Bright Brass Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT) .....	249.11	5.89
08 71 11 00-0247	EA		Satin Bronze Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT) .....	249.11	5.89
<b>08 71 11 00-0248</b>			<b>1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0223)</small>		
08 71 11 00-0249	EA		Painted Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT) .....	207.11	5.89
08 71 11 00-0250	EA		Satin Stainless Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT) .....	240.27	5.89
08 71 11 00-0251	EA		Bright Stainless Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT) .....	249.11	5.89
08 71 11 00-0252	EA		Bright Brass Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT) .....	249.11	5.89
08 71 11 00-0253	EA		Satin Bronze Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT) .....	249.11	5.89
<b>08 71 11 00-0254</b>			<b>Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0191)</small>		
<b>08 71 11 00-0255</b>			<b>500 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0254)</small>		
08 71 11 00-0256	EA		Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM) .....	208.83	4.92
08 71 11 00-0257	EA		Satin Stainless Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM) .....	261.16	4.92
08 71 11 00-0258	EA		Bright Stainless Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM) .....	281.05	4.92
08 71 11 00-0259	EA		Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM) .....	281.05	4.92
08 71 11 00-0260	EA		Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM) .....	281.05	4.92
<b>08 71 11 00-0261</b>			<b>600 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0254)</small>		
08 71 11 00-0262	EA		Painted Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM) .....	205.14	4.92
08 71 11 00-0263	EA		Satin Stainless Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM) .....	218.40	4.92
08 71 11 00-0264	EA		Bright Stainless Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM) .....	252.31	4.92
08 71 11 00-0265	EA		Bright Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM) .....	252.31	4.92
08 71 11 00-0266	EA		Satin Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM) .....	252.31	4.92
<b>08 71 11 00-0267</b>			<b>1,000 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0254)</small>		
08 71 11 00-0268	EA		Painted Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM) .....	235.11	5.89
08 71 11 00-0269	EA		Satin Stainless Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM) .....	263.13	5.89
08 71 11 00-0270	EA		Bright Stainless Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM) .....	273.44	5.89
08 71 11 00-0271	EA		Bright Brass Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM) .....	273.44	5.89
08 71 11 00-0272	EA		Satin Bronze Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM) .....	273.44	5.89

**08 Openings****08 70 Hardware**

08 71 Door Hardware



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 71 11 00-0273</b> 1,750 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges <small>(08 71 11 00-0254)</small>		
08 71 11 00-0274 EA Painted Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	339.04	5.89
08 71 11 00-0275 EA Satin Stainless Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	362.62	5.89
08 71 11 00-0276 EA Bright Stainless Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	372.21	5.89
08 71 11 00-0277 EA Bright Brass Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	372.21	5.89
08 71 11 00-0278 EA Satin Bronze Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	372.21	5.89
<b>08 71 11 00-0279</b> 1-1/2" Offset Pivot Hinges <small>(08 71 11 00-0061)</small>		
<b>08 71 11 00-0280</b> Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 11 00-0279)</small>		
<b>08 71 11 00-0281</b> Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 11 00-0280)</small>		
<b>08 71 11 00-0282</b> 400 LB Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 11 00-0281)</small>		
08 71 11 00-0283 EA Painted Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	214.71	4.92
08 71 11 00-0284 EA Satin Stainless Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	233.14	4.92
08 71 11 00-0285 EA Bright Stainless Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	247.14	4.92
08 71 11 00-0286 EA Bright Bronze Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	247.14	4.92
08 71 11 00-0287 EA Satin Bronze Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	247.14	4.92
<b>08 71 11 00-0288</b> 500 LB Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 11 00-0281)</small>		
08 71 11 00-0289 EA Painted Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	214.71	4.92
08 71 11 00-0290 EA Satin Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	233.14	4.92
08 71 11 00-0291 EA Bright Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	247.14	4.92
08 71 11 00-0292 EA Bright Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	247.14	4.92
08 71 11 00-0293 EA Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	247.14	4.92
<b>08 71 11 00-0294</b> Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 11 00-0280)</small>		
<b>08 71 11 00-0295</b> 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 11 00-0294)</small>		
08 71 11 00-0296 EA Painted Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	223.56	4.92
08 71 11 00-0297 EA Satin Stainless Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	252.31	4.92
08 71 11 00-0298 EA Bright Stainless Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	266.31	4.92
08 71 11 00-0299 EA Bright Brass Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	266.31	4.92
08 71 11 00-0300 EA Satin Bronze Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	266.31	4.92
<b>08 71 11 00-0301</b> 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 11 00-0294)</small>		
08 71 11 00-0302 EA Painted Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	223.56	4.92
08 71 11 00-0303 EA Satin Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	252.31	4.92
08 71 11 00-0304 EA Bright Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	266.31	4.92
08 71 11 00-0305 EA Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	266.31	4.92
08 71 11 00-0306 EA Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	266.31	4.92
<b>08 71 11 00-0307</b> Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 11 00-0280)</small>		
<b>08 71 11 00-0308</b> 400 LB Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges <small>(08 71 11 00-0307)</small>		



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Hardware</b>	<b>08 70</b>	
<b>Door Hardware</b>	<b>08 71</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0309 EA Painted Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	218.40	4.92
08 71 11 00-0310 EA Satin Stainless Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM) .....	252.31	4.92
08 71 11 00-0311 EA Bright Stainless Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM) .....	266.31	4.92
08 71 11 00-0312 EA Bright Brass Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM) .....	266.31	4.92
08 71 11 00-0313 EA Satin Bronze Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM) .....	266.31	4.92
<b>08 71 11 00-0314 500 LB Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0307)</b>		
08 71 11 00-0315 EA Painted Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	360.65	4.92
08 71 11 00-0316 EA Satin Stainless Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM) .....	398.98	4.92
08 71 11 00-0317 EA Bright Stainless Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM) .....	408.56	4.92
08 71 11 00-0318 EA Bright Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM) .....	408.56	4.92
08 71 11 00-0319 EA Satin Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM) .....	408.56	4.92
<b>08 71 11 00-0320 Center Hung Pivot Hinges (08 71 11 00-0058)</b>		
<b>08 71 11 00-0321 Top Mount, Center Hung Pivot Hinges (08 71 11 00-0320)</b>		
<b>08 71 11 00-0322 300 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges (08 71 11 00-0321)</b>		
08 71 11 00-0323 EA Painted Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	108.10	3.93
08 71 11 00-0324 EA Satin Chrome Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top) .....	117.68	3.93
08 71 11 00-0325 EA Bright Brass Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top) .....	117.68	3.93
08 71 11 00-0326 EA Satin Brass Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	117.68	3.93
08 71 11 00-0327 EA Satin Bronze Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	117.68	3.93
08 71 11 00-0328 EA Dark Bronze Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	117.68	3.93
08 71 11 00-0329 EA Bright Chrome Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	117.68	3.93
<b>08 71 11 00-0330 500 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges (08 71 11 00-0321)</b>		
08 71 11 00-0331 EA Painted Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	110.06	4.92
08 71 11 00-0332 EA Satin Chrome Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top) .....	119.64	4.92
08 71 11 00-0333 EA Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top) .....	119.64	4.92
08 71 11 00-0334 EA Satin Brass Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	119.64	4.92
08 71 11 00-0335 EA Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	119.64	4.92
08 71 11 00-0336 EA Dark Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	119.64	4.92
08 71 11 00-0337 EA Bright Chrome Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	119.64	4.92
<b>08 71 11 00-0338 600 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges (08 71 11 00-0321)</b>		
08 71 11 00-0339 EA Painted Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	110.06	4.92
08 71 11 00-0340 EA Satin Chrome Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top) .....	119.64	4.92
08 71 11 00-0341 EA Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top) .....	119.64	4.92
08 71 11 00-0342 EA Satin Brass Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	119.64	4.92
08 71 11 00-0343 EA Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	119.64	4.92
08 71 11 00-0344 EA Dark Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	119.64	4.92
08 71 11 00-0345 EA Bright Chrome Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	119.64	4.92
<b>08 71 11 00-0346 1,000 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges (08 71 11 00-0321)</b>		
08 71 11 00-0347 EA Painted Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	178.35	5.89
08 71 11 00-0348 EA Satin Chrome Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top) .....	210.80	5.89
08 71 11 00-0349 EA Bright Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top) .....	244.70	5.89
08 71 11 00-0350 EA Satin Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	244.70	5.89
08 71 11 00-0351 EA Satin Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top) .....	244.70	5.89
08 71 11 00-0352 EA Dark Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	244.70	5.89
08 71 11 00-0353 EA Bright Chrome Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top).....	244.70	5.89
<b>08 71 11 00-0354 Bottom Mount, Center Hung Pivot Hinges (08 71 11 00-0320)</b>		
<b>08 71 11 00-0355 300 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges (08 71 11 00-0354)</b>		
08 71 11 00-0356 EA Painted Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	80.08	3.93
08 71 11 00-0357 EA Satin Chrome Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	94.10	3.93
08 71 11 00-0358 EA Bright Brass Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	108.10	3.93
08 71 11 00-0359 EA Satin Brass Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	108.10	3.93

## 08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0360	EA		Satin Bronze Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	108.10	3.93
08 71 11 00-0361	EA		Dark Bronze Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	108.10	3.93
08 71 11 00-0362	EA		Bright Chrome Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM).....	108.10	3.93
<b>08 71 11 00-0363</b>			<b>500 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0354)</b>		
08 71 11 00-0364	EA		Painted Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	119.64	4.92
08 71 11 00-0365	EA		Satin Chrome Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	124.06	4.92
08 71 11 00-0366	EA		Bright Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	124.06	4.92
08 71 11 00-0367	EA		Satin Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	124.06	4.92
08 71 11 00-0368	EA		Satin Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	124.06	4.92
08 71 11 00-0369	EA		Dark Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	124.06	4.92
08 71 11 00-0370	EA		Bright Chrome Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM).....	124.06	4.92
08 71 11 00-0371	EA		Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	119.64	4.92
08 71 11 00-0372	EA		Satin Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	124.06	4.92
08 71 11 00-0373	EA		Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	124.06	4.92
08 71 11 00-0374	EA		Satin Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	124.06	4.92
08 71 11 00-0375	EA		Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	124.06	4.92
08 71 11 00-0376	EA		Dark Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	124.06	4.92
08 71 11 00-0377	EA		Bright Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM).....	124.06	4.92
<b>08 71 11 00-0378</b>			<b>600 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges (08 71 11 00-0354)</b>		
08 71 11 00-0379	EA		Painted Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	252.31	4.92
08 71 11 00-0380	EA		Satin Chrome Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	266.31	4.92
08 71 11 00-0381	EA		Bright Brass Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	281.05	4.92
08 71 11 00-0382	EA		Satin Brass Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	281.05	4.92
08 71 11 00-0383	EA		Satin Bronze Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	281.05	4.92
08 71 11 00-0384	EA		Dark Bronze Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	281.05	4.92
08 71 11 00-0385	EA		Bright Chrome Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM).....	281.05	4.92
<b>08 71 11 00-0386</b>			<b>1,000 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges (08 71 11 00-0354)</b>		
08 71 11 00-0387	EA		Painted Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	471.70	5.89
08 71 11 00-0388	EA		Satin Chrome Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	485.70	5.89
08 71 11 00-0389	EA		Bright Brass Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	504.87	5.89
08 71 11 00-0390	EA		Satin Brass Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	504.87	5.89
08 71 11 00-0391	EA		Satin Bronze Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	504.87	5.89
08 71 11 00-0392	EA		Dark Bronze Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	504.87	5.89
08 71 11 00-0393	EA		Bright Chrome Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	504.87	5.89
<b>08 71 11 00-0394</b>			<b>Continuous Barrel-Type Hinge (08 71 11 00-0001)</b>		
08 71 11 00-0395	LF		1-1/2" Wide, Steel, Continuous Barrel-Type Hinge.....	13.27	1.57
			For Stainless Steel, Add	3.84	
			For Brass Or Nickel, Add	4.19	
			For Aluminum, Add	1.37	
			For Medium Gauge, Deduct	-1.40	
08 71 11 00-0396	LF		2" Wide, Steel, Continuous Barrel-Type Hinge.....	13.74	1.57
			For Stainless Steel, Add	4.10	
			For Brass Or Nickel, Add	4.47	
			For Aluminum, Add	1.46	
			For Medium Gauge, Deduct	-1.49	
08 71 11 00-0397	LF		2-1/2" Wide, Steel, Continuous Barrel-Type Hinge.....	14.67	1.57
			For Stainless Steel, Add	4.61	
			For Brass Or Nickel, Add	5.03	
			For Aluminum, Add	1.64	
			For Medium Gauge, Deduct	-1.68	



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0398	LF		3" Wide, Steel, Continuous Barrel-Type Hinge..... <i>For Stainless Steel, Add</i> <i>For Brass Or Nickel, Add</i> <i>For Aluminum, Add</i> <i>For Medium Gauge, Deduct</i>	15.72 5.19 5.66 1.85 -1.89	1.57
<b>08 71 11 00-0399</b>			<b>Continuous Geared Hinges</b> (08 71 11 00-0001)		
08 71 11 00-0400	LF		Half Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-053)..... <i>For Bronze Finish, Add</i> <i>For Heavy Duty, Add</i>	30.24 8.98 6.40	1.57
08 71 11 00-0401	LF		Full Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-057)..... <i>For Bronze Finish, Add</i> <i>For Heavy Duty, Add</i>	33.04 10.03 7.15	1.57
08 71 11 00-0402	LF		Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-112)..... <i>For Bronze Finish, Add</i>	19.01 4.77	1.57
08 71 11 00-0403	LF		Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Heavy Duty (Roton 780-112HD)..... <i>For Bronze Finish, Add</i>	23.07 6.29	1.57
<b>08 71 11 00-0404</b>			<b>Mortised, Primed Steel, Double Acting Spring Hinges</b> (08 71 11 00-0001)		
08 71 11 00-0405	PR		2", Mortised, Primed Steel, Double Acting Spring Hinge ..... <i>For Satin Brass, Add</i>	83.43 16.72	2.75
08 71 11 00-0406	PR		3", Mortised, Primed Steel, Double Acting Spring Hinge ..... <i>For Satin Brass, Add</i>	87.38 16.73	3.54
08 71 11 00-0407	PR		4", Mortised, Primed Steel, Double Acting Spring Hinge ..... <i>For Satin Brass, Add</i>	95.11 17.64	4.32
08 71 11 00-0408	PR		5", Mortised, Primed Steel, Double Acting Spring Hinge ..... <i>For Satin Brass, Add</i>	127.24 24.41	5.11
08 71 11 00-0409	PR		6", Mortised, Primed Steel, Double Acting Spring Hinge ..... <i>For Satin Brass, Add</i>	141.47 26.88	5.89
08 71 11 00-0410	PR		7", Mortised, Primed Steel, Double Acting Spring Hinge ..... <i>For Satin Brass, Add</i>	172.14 33.30	6.68
08 71 11 00-0411	PR		8", Mortised, Primed Steel, Double Acting Spring Hinge ..... <i>For Satin Brass, Add</i>	241.38 48.97	18.66
<b>08 71 11 00-0412</b>			<b>Security Hinges</b> (08 71 11 00-0001)		
08 71 11 00-0413	EA		4-1/2" x 4-1/2", Non Removable Pin, Full Mortise, Ball Bearing, Steel Security Hinge.....	24.34	2.75
<b>08 71 11 00-0414</b>			<b>Concealed Circuit Electric Hinge Option</b> (08 71 11 00-0001) Note: Excludes the hinge. These tasks are used in conjunction with other hinges in the Construction Task Catalog® to electrify the hinge.		
08 71 11 00-0415	EA		4 Wire Concealed Circuit Electric Hinge Option.....	171.58	
08 71 11 00-0416	EA		6 Wire Concealed Circuit Electric Hinge Option.....	202.58	
08 71 11 00-0417	EA		8 Wire Concealed Circuit Electric Hinge Option.....	233.58	
<b>08 71 11 00-0418</b>			<b>Hinge Filler Plates For Door Frames</b> (08 71 11 00-0001)		
08 71 11 00-0419	PR		Hinge Filler Plates For Door Frames.....	9.54	1.97
<b>08 71 11 00-0420</b>			<b>Door Trim</b> (08 71 11)		
<b>08 71 11 00-0421</b>			<b>Floor Stops, Wall Stops And Bumpers</b> (08 71 11 00-0420)		
<b>08 71 11 00-0422</b>			<b>Floor Stops</b> (08 71 11 00-0421)		
<b>08 71 11 00-0423</b>			<b>Aluminum Floor Stops</b> (08 71 11 00-0422)		
08 71 11 00-0424	EA		1-5/16" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS430).....	11.69	4.92
08 71 11 00-0425	EA		1" Overall Height, 3/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS436).....	13.55	4.92
08 71 11 00-0426	EA		1-3/8" Overall Height, 9/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS438).....	14.26	4.92
08 71 11 00-0427	EA		2-1/8" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS441).....	25.07	4.92
08 71 11 00-0428	EA		3" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS444/448).....	26.36	4.92
<b>08 71 11 00-0429</b>			<b>Brass Floor Stops</b> (08 71 11 00-0422)		
08 71 11 00-0430	EA		1" Overall Height, 3/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS436).....	13.81	4.92
08 71 11 00-0431	EA		1" Overall Height, 3/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS436).....	14.53	4.92
08 71 11 00-0432	EA		1" Overall Height, 3/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS436).....	14.53	4.92
08 71 11 00-0433	EA		1" Overall Height, 3/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS436).....	14.80	4.92
08 71 11 00-0434	EA		1" Overall Height, 3/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS436).....	15.16	4.92
08 71 11 00-0435	EA		1" Overall Height, 3/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS436).....	15.16	4.92
08 71 11 00-0436	EA		1" Overall Height, 3/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS436).....	15.16	4.92
08 71 11 00-0437	EA		1-3/8" Overall Height, 9/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS438).....	14.26	4.92
08 71 11 00-0438	EA		1-3/8" Overall Height, 9/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS438).....	15.34	4.92
08 71 11 00-0439	EA		1-3/8" Overall Height, 9/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS438).....	15.34	4.92
08 71 11 00-0440	EA		1-3/8" Overall Height, 9/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS438).....	15.76	4.92
08 71 11 00-0441	EA		1-3/8" Overall Height, 9/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS438).....	16.12	4.92
08 71 11 00-0442	EA		1-3/8" Overall Height, 9/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS438).....	16.12	4.92
08 71 11 00-0443	EA		1-3/8" Overall Height, 9/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS438).....	17.82	4.92



**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 71 11 00-0444	EA	1" Overall Height, 5/32" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS13)	15.41		4.92
08 71 11 00-0445	EA	1" Overall Height, 5/32" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS13)	15.41		4.92
08 71 11 00-0446	EA	1" Overall Height, 5/32" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS13)	16.59		4.92
08 71 11 00-0447	EA	1" Overall Height, 5/32" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS13)	16.59		4.92
08 71 11 00-0448	EA	1" Overall Height, 5/32" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS13)	16.59		4.92
08 71 11 00-0449	EA	1" Overall Height, 5/32" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS13)	16.59		4.92
08 71 11 00-0450	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS17)	16.22		4.92
08 71 11 00-0451	EA	1-11/32" Overall Height, 1/2" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS17)	16.22		4.92
08 71 11 00-0452	EA	1-11/32" Overall Height, 1/2" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS17)	17.37		4.92
08 71 11 00-0453	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS17)	17.37		4.92
08 71 11 00-0454	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS17)	17.37		4.92
08 71 11 00-0455	EA	1-11/32" Overall Height, 1/2" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS17)	17.37		4.92
08 71 11 00-0456	EA	2-1/8" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS441)	26.11		4.92
08 71 11 00-0457	EA	2-1/8" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS441)	26.62		4.92
08 71 11 00-0458	EA	2-1/8" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS441)	27.86		4.92
08 71 11 00-0459	EA	2-1/8" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS441)	28.86		4.92
08 71 11 00-0460	EA	2-1/8" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS441)	28.86		4.92
08 71 11 00-0461	EA	2-1/8" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS441)	32.94		4.92
08 71 11 00-0462	EA	2-1/8" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS441)	32.94		4.92
08 71 11 00-0463	EA	3" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS444/448)	31.43		4.92
08 71 11 00-0464	EA	3" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS444/448)	32.16		4.92
08 71 11 00-0465	EA	3" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS444/448)	32.16		4.92
08 71 11 00-0466	EA	3" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS444/448)	32.16		4.92
08 71 11 00-0467	EA	3" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS444/448)	32.16		4.92
08 71 11 00-0468	EA	3" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS444/448)	37.75		4.92
08 71 11 00-0469	EA	3" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS444/448)	37.75		4.92
08 71 11 00-0470	EA	1-5/16" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS430)	20.03		4.92
08 71 11 00-0471	EA	1-5/16" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS430)	20.96		4.92
08 71 11 00-0472	EA	1-5/16" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS430)	23.06		4.92
08 71 11 00-0473	EA	1-5/16" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS430)	23.06		4.92
08 71 11 00-0474	EA	1-5/16" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS430)	23.06		4.92
08 71 11 00-0475	EA	1-5/16" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS430)	23.69		4.92
<b>08 71 11 00-0476</b>		<b>Steel Floor Stops</b> (08 71 11 00-0422)			
		See CSI section 05 05 19 00-0196 for grout.			
08 71 11 00-0477	EA	2-5/8" Overall Height, Zinc Plated Finish, Wrought Steel Floor Stop (Ives FS434)	16.40		4.92
08 71 11 00-0478	EA	1-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18S)	50.99		4.92
		Note: Includes drilling. Excludes Grout.			
08 71 11 00-0479	EA	3-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18L)	53.94		4.92
		Note: Includes drilling. Excludes Grout.			
<b>08 71 11 00-0480</b>		<b>Wall Stops</b> (08 71 11 00-0421)			
<b>08 71 11 00-0481</b>		<b>Aluminum Wall Stops</b> (08 71 11 00-0480)			
08 71 11 00-0482	EA	3-3/4" Projection, Residential Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives 60)	6.50		1.97
08 71 11 00-0483	EA	3-3/4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives WS65)	9.38		2.95
<b>08 71 11 00-0484</b>		<b>Brass Wall Stops</b> (08 71 11 00-0480)			
08 71 11 00-0485	EA	3-3/4" Projection, Residential Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives 60)	12.83		1.97
08 71 11 00-0486	EA	3-3/4" Projection, Residential Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives 60)	12.83		1.97
08 71 11 00-0487	EA	3-3/4" Projection, Residential Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives 60)	12.83		1.97
08 71 11 00-0488	EA	3-3/4" Projection, Residential Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives 60)	15.59		1.97
08 71 11 00-0489	EA	3-3/4" Projection, Residential Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives 60)	15.85		1.97
08 71 11 00-0490	EA	3-3/4" Projection, Residential Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives 60)	15.85		1.97
08 71 11 00-0491	EA	3-3/4" Projection, Residential Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives 60)	15.85		1.97
08 71 11 00-0492	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS11)	38.80		2.95
08 71 11 00-0493	EA	3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS11)	39.77		2.95
08 71 11 00-0494	EA	3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS11)	39.77		2.95
08 71 11 00-0495	EA	3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS11)	39.77		2.95
08 71 11 00-0496	EA	3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS11)	39.77		2.95
08 71 11 00-0497	EA	3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS11)	39.77		2.95
08 71 11 00-0498	EA	3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS443/447)	31.94		2.95
08 71 11 00-0499	EA	3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS443/447)	37.20		2.95
08 71 11 00-0500	EA	3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS443/447)	37.20		2.95
08 71 11 00-0501	EA	3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS443/447)	37.20		2.95
08 71 11 00-0502	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS443/447)	37.20		2.95
08 71 11 00-0503	EA	3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS443/447)	38.45		2.95
08 71 11 00-0504	EA	3-3/4" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives WS443/447)	38.45		2.95
08 71 11 00-0505	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS33)	64.42		2.95
<b>08 71 11 00-0506</b>		<b>Steel Wall Stops</b> (08 71 11 00-0480)			
08 71 11 00-0507	EA	3" Projection, Residential Spring Type, Bright Brass Finish, Steel Wall Stop (Ives 63)	4.47		1.97
<b>08 71 11 00-0508</b>		<b>Hinge Pin Door Stops</b> (08 71 11 00-0421)			
<b>08 71 11 00-0509</b>		<b>Aluminum Hinge Pin Door Stops</b> (08 71 11 00-0508)			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0510 EA Satin Aluminum Finish, Aluminum Hinge Pin Door Stop (Ives 70).....	9.46	3.93
<b>08 71 11 00-0511 Brass Hinge Pin Door Stops (08 71 11 00-0508)</b>		
08 71 11 00-0512 EA Satin Brass Finish, Brass Residential Hinge Pin Door Stop (Ives 72).....	9.76	3.93
08 71 11 00-0513 EA Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 73).....	11.68	3.93
08 71 11 00-0514 EA Satin Chrome Finish, Brass Hinge Pin Door Stop (Ives 70).....	16.30	3.93
08 71 11 00-0515 EA Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 70).....	16.30	3.93
08 71 11 00-0516 EA Bright Brass Finish, Brass Hinge Pin Door Stop (Ives 70).....	16.30	3.93
08 71 11 00-0517 EA Bright Chrome Finish, Brass Hinge Pin Door Stop (Ives 70).....	18.46	3.93
08 71 11 00-0518 EA Satin Bronze Finish, Brass Hinge Pin Door Stop (Ives 70).....	18.46	3.93
08 71 11 00-0519 EA Dark Bronze Finish, Brass Hinge Pin Door Stop (Ives 70).....	18.46	3.93
08 71 11 00-0520 EA Satin Nickel Finish, Brass Hinge Pin Door Stop (Ives 70).....	18.46	3.93
<b>08 71 11 00-0521 Wall Bumpers (08 71 11 00-0421)</b>		
<b>08 71 11 00-0522 Brass Wall Bumpers (08 71 11 00-0521)</b>		
08 71 11 00-0523 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	12.84	4.92
08 71 11 00-0524 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	12.84	4.92
08 71 11 00-0525 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	12.84	4.92
08 71 11 00-0526 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	13.10	4.92
08 71 11 00-0527 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	13.10	4.92
08 71 11 00-0528 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	13.10	4.92
08 71 11 00-0529 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Wrought Brass Wall Bumper (Ives WS406/407).....	13.10	4.92
08 71 11 00-0530 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Cast Brass Wall Bumper (Ives WS401/402).....	21.99	4.92
08 71 11 00-0531 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402).....	24.40	4.92
08 71 11 00-0532 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402).....	24.40	4.92
08 71 11 00-0533 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Cast Brass Wall Bumper (Ives WS401/402).....	24.40	4.92
08 71 11 00-0534 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402).....	24.40	4.92
08 71 11 00-0535 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402).....	24.40	4.92
08 71 11 00-0536 EA 2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Cast Brass Wall Bumper (Ives WS401/402).....	24.94	4.92
<b>08 71 11 00-0537 Rubber Wall Bumpers (08 71 11 00-0521)</b>		
08 71 11 00-0538 EA 1-7/8" Base Diameter, Adhesive-Backed, Concave Rubber Wall Bumper (Ives WS411R-W).....	11.88	4.92
<b>08 71 11 00-0539 Holders (08 71 11 00-0420)</b>		
<b>08 71 11 00-0540 Plunger Type Door Holders (08 71 11 00-0539)</b>		
<b>08 71 11 00-0541 Aluminum Plunger Type Door Holders (08 71 11 00-0540)</b>		
08 71 11 00-0542 EA Satin Aluminum Finish, Aluminum Plunger Type Door Holder (Ives FS1153).....	41.20	2.95
<b>08 71 11 00-0543 Brass Plunger Type Door Holders (08 71 11 00-0540)</b>		
08 71 11 00-0544 EA Satin Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154).....	69.57	2.95
08 71 11 00-0545 EA Bright Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154).....	69.57	2.95
08 71 11 00-0546 EA Satin Brass Finish, Brass Plunger Type Door Holder (Ives FS1154).....	69.57	2.95
08 71 11 00-0547 EA Bright Brass Finish, Brass Plunger Type Door Holder (Ives FS1154).....	69.57	2.95
08 71 11 00-0548 EA Satin Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154).....	69.57	2.95
08 71 11 00-0549 EA Dark Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154).....	69.57	2.95
08 71 11 00-0550 EA Satin Nickel Finish, Brass Plunger Type Door Holder (Ives FS1154).....	69.57	2.95
<b>08 71 11 00-0551 Kick Down Door Holders (08 71 11 00-0539)</b>		
<b>08 71 11 00-0552 Aluminum Kick Down Door Holders (08 71 11 00-0551)</b>		
08 71 11 00-0553 EA Satin Aluminum Finish, Aluminum Kick Down Door Holder (Ives FS455).....	11.66	2.95
<b>08 71 11 00-0554 Brass Kick Down Door Holders (08 71 11 00-0551)</b>		
08 71 11 00-0555 EA Satin Brass Finish, Brass Kick Down Door Holder (Ives FS455).....	29.30	2.95
08 71 11 00-0556 EA Bright Brass Finish, Brass Kick Down Door Holder (Ives FS455).....	29.30	2.95
08 71 11 00-0557 EA Satin Bronze Finish, Brass Kick Down Door Holder (Ives FS455).....	29.30	2.95
08 71 11 00-0558 EA Satin Chrome Finish, Brass Kick Down Door Holder (Ives FS455).....	33.90	2.95
08 71 11 00-0559 EA Bright Chrome Finish, Brass Kick Down Door Holder (Ives FS455).....	33.90	2.95

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 71 11 00-0560	EA	Dark Bronze Finish, Brass Kick Down Door Holder (Ives FS455).....		33.90	2.95
08 71 11 00-0561	EA	Satin Nickel Finish, Brass Kick Down Door Holder (Ives FS455).....		35.07	2.95
<b>08 71 11 00-0562</b>		<b>Steel Kick Down Door Holders</b> (08 71 11 00-0551)			
08 71 11 00-0563	EA	Steel Kick Down Door Holder (Ives FS544).....		15.21	2.95
<b>08 71 11 00-0564</b>		<b>Floor Mounted Door Holders</b> (08 71 11 00-0539)			
<b>08 71 11 00-0565</b>		<b>Brass Floor Mounted Door Holders</b> (08 71 11 00-0564)			
08 71 11 00-0566	EA	Up To 1/2" Door To Floor Clearance, Satin Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....		57.23	5.89
		For >1/2" To 1-1/16" Door To Floor Clearance, Add		1.78	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add		10.53	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add		15.80	
08 71 11 00-0567	EA	Up To 1/2" Door To Floor Clearance, Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....		57.23	5.89
		For >1/2" To 1-1/16" Door To Floor Clearance, Add		1.78	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add		10.53	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add		15.80	
08 71 11 00-0568	EA	Up To 1/2" Door To Floor Clearance, Bright Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....		72.53	5.89
		For >1/2" To 1-1/16" Door To Floor Clearance, Add		1.78	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add		10.53	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add		15.80	
08 71 11 00-0569	EA	Up To 1/2" Door To Floor Clearance, Bright Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....		72.53	5.89
		For >1/2" To 1-1/16" Door To Floor Clearance, Add		1.78	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add		10.53	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add		15.80	
08 71 11 00-0570	EA	Up To 1/2" Door To Floor Clearance, Satin Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....		72.53	5.89
		For >1/2" To 1-1/16" Door To Floor Clearance, Add		1.78	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add		10.53	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add		15.80	
08 71 11 00-0571	EA	Up To 1/2" Door To Floor Clearance, Dark Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40).....		72.53	5.89
		For >1/2" To 1-1/16" Door To Floor Clearance, Add		1.78	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add		10.53	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add		15.80	
<b>08 71 11 00-0572</b>		<b>Wall Mounted Door Holders</b> (08 71 11 00-0539)			
<b>08 71 11 00-0573</b>		<b>Aluminum Wall Mounted Door Holders</b> (08 71 11 00-0572)			
08 71 11 00-0574	EA	4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop And Manual Door Holder (Ives WS20).....		52.85	3.44
08 71 11 00-0575	EA	Wall Mounted, Satin Aluminum Finish, Aluminum Automatic Door Holder (Ives WS40).....		76.55	5.89
<b>08 71 11 00-0576</b>		<b>Brass Wall Mounted Door Holders</b> (08 71 11 00-0572)			
08 71 11 00-0577	EA	3-11/16" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....		48.22	3.44
08 71 11 00-0578	EA	3-11/16" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....		56.51	3.44
08 71 11 00-0579	EA	3-11/16" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....		56.51	3.44
08 71 11 00-0580	EA	3-11/16" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....		56.51	3.44
08 71 11 00-0581	EA	3-11/16" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....		56.51	3.44
08 71 11 00-0582	EA	3-11/16" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....		56.51	3.44
08 71 11 00-0583	EA	3-11/16" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449).....		58.46	3.44
08 71 11 00-0584	EA	4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....		55.16	3.44
08 71 11 00-0585	EA	4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....		66.47	3.44
08 71 11 00-0586	EA	4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....		66.47	3.44
08 71 11 00-0587	EA	4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....		66.47	3.44
08 71 11 00-0588	EA	4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....		66.47	3.44
08 71 11 00-0589	EA	4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20).....		66.47	3.44
08 71 11 00-0590	EA	Wall Mounted, Satin Chrome Finish, Brass Automatic Door Holder (Ives WS40).....		87.83	5.89
08 71 11 00-0591	EA	Wall Mounted, Bright Chrome Finish, Brass Automatic Door Holder (Ives WS40).....		92.92	5.89
08 71 11 00-0592	EA	Wall Mounted, Satin Brass Finish, Brass Automatic Door Holder (Ives WS40).....		92.92	5.89
08 71 11 00-0593	EA	Wall Mounted, Bright Brass Finish, Brass Automatic Door Holder (Ives WS40).....		92.92	5.89
08 71 11 00-0594	EA	Wall Mounted, Satin Bronze Finish, Brass Automatic Door Holder (Ives WS40).....		92.92	5.89
08 71 11 00-0595	EA	Wall Mounted, Dark Bronze Finish, Brass Automatic Door Holder (Ives WS40).....		92.92	5.89
<b>08 71 11 00-0596</b>		<b>Overhead Door Holders</b> (08 71 11 00-0539)			
<b>08 71 11 00-0597</b>		<b>Surface Mounted, Overhead Door Holders</b> (08 71 11 00-0596)			
08 71 11 00-0598	EA	Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....		271.08	9.82
		For Hold Open, Add		33.45	
08 71 11 00-0599	EA	Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....		313.77	9.82
		For Hold Open, Add		39.61	
08 71 11 00-0600	EA	Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....		313.77	9.82
		For Hold Open, Add		39.61	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0601	EA		Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	313.77	9.82
			<i>For Hold Open, Add</i>	39.61	
08 71 11 00-0602	EA		Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81).....	312.32	9.82
			<i>For Hold Open, Add</i>	39.40	
<b>08 71 11 00-0603 Heavy Duty, Surface Mounted, Overhead Door Holders (08 71 11 00-0596)</b>					
Note: With or without hold open feature.					
08 71 11 00-0604	EA		Heavy Duty, Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 90) .....	206.59	9.82
08 71 11 00-0605	EA		Heavy Duty, Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 90) .....	308.55	9.82
08 71 11 00-0606	EA		Heavy Duty, Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 90) .....	352.99	9.82
08 71 11 00-0607	EA		Heavy Duty, Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 90) .....	352.99	9.82
08 71 11 00-0608	EA		Heavy Duty, Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	352.99	9.82
<b>08 71 11 00-0609 Concealed Mounted, Overhead Door Holders (08 71 11 00-0596)</b>					
Note: With or without hold open feature.					
08 71 11 00-0610	EA		Concealed Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 100) .....	297.80	9.82
08 71 11 00-0611	EA		Concealed Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 100) .....	297.80	9.82
08 71 11 00-0612	EA		Concealed Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 100) .....	315.23	9.82
08 71 11 00-0613	EA		Concealed Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 100) .....	330.04	9.82
08 71 11 00-0614	EA		Concealed Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 100) .....	330.04	9.82
<b>08 71 11 00-0615 Silencers (08 71 11 00-0420)</b>					
08 71 11 00-0616	EA		Replacement Rubber Door Silencers .....	0.68	0.39
Note: For repair / maintenance only. This task is not to be used in conjunction with new door or frame installations.					
<b>08 71 11 00-0617 Bolts (08 71 11 00-0420)</b>					
<b>08 71 11 00-0618 Brass Surface Bolts (08 71 11 00-0617)</b>					
08 71 11 00-0619	EA		8" Length, Satin Chrome Finish, Brass Surface Bolt With Strike (Ives SB1640).....	90.34	4.92
08 71 11 00-0620	EA		8" Length, Bright Brass Finish, Brass Surface Bolt With Strike (Ives SB1640).....	97.05	4.92
08 71 11 00-0621	EA		8" Length, Dark Bronze Finish, Brass Surface Bolt With Strike (Ives SB1640).....	97.05	4.92
<b>08 71 11 00-0622 Steel Surface Bolts (08 71 11 00-0617)</b>					
08 71 11 00-0623	EA		8" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453).....	38.34	4.92
08 71 11 00-0624	EA		8" Length, Bright Brass Finish, Steel Surface Bolt With Strike (Ives SB453).....	38.34	4.92
08 71 11 00-0625	EA		8" Length, Satin Brass Finish, Steel Surface Bolt With Strike (Ives SB453) .....	38.34	4.92
08 71 11 00-0626	EA		8" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	44.21	4.92
08 71 11 00-0627	EA		8" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453).....	45.05	4.92
08 71 11 00-0628	EA		8" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	46.72	4.92
08 71 11 00-0629	EA		12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453).....	45.88	4.92
08 71 11 00-0630	EA		12" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453) .....	48.41	4.92
08 71 11 00-0631	EA		12" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	51.76	4.92
08 71 11 00-0632	EA		12" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453).....	54.27	4.92
08 71 11 00-0633	EA		12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB360).....	87.82	4.92
<b>08 71 11 00-0634 Door Viewer (08 71 11 00-0420)</b>					
<b>08 71 11 00-0635 Brass Door Viewer (08 71 11 00-0634)</b>					
08 71 11 00-0636	EA		120 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U700).....	17.82	4.92
08 71 11 00-0637	EA		120 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U700) .....	17.82	4.92
08 71 11 00-0638	EA		120 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U700).....	17.82	4.92
08 71 11 00-0639	EA		150 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U696).....	21.57	4.92
08 71 11 00-0640	EA		150 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U696).....	21.57	4.92
08 71 11 00-0641	EA		150 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U696).....	21.57	4.92
08 71 11 00-0642	EA		190 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Wide Angle Door Viewer (Ives U698) .....	26.19	4.92
08 71 11 00-0643	EA		190 Degree Angle Of View, Bright Brass Finish, Brass One-Way Wide Angle Door Viewer (Ives U698).....	26.19	4.92
<b>08 71 11 00-0644 Door Knockers (08 71 11 00-0420)</b>					
<b>08 71 11 00-0645 Brass Door Knockers (08 71 11 00-0644)</b>					
08 71 11 00-0646	EA		5-15/16" Length, 3" Width, Bright Brass Finish, Brass Door Knocker (Ives 3125) .....	29.38	4.92
08 71 11 00-0647	EA		5-15/16" Length, 3" Width, Satin Chrome Finish, Brass Door Knocker (Ives 3125).....	32.94	4.92
08 71 11 00-0648	EA		5-15/16" Length, 3" Width, Bright Chrome Finish, Brass Door Knocker (Ives 3125).....	32.94	4.92
08 71 11 00-0649	EA		5-15/16" Length, 3" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3125).....	32.94	4.92
08 71 11 00-0650	EA		8-1/2" Length, 4-1/8" Width, Bright Brass Finish, Brass Door Knocker (Ives 3107) .....	46.45	4.92
08 71 11 00-0651	EA		8-1/2" Length, 4-1/8" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3107).....	55.03	4.92
<b>08 71 11 00-0652 Hasps (08 71 11 00-0420)</b>					
08 71 11 00-0653	EA		3-1/4", Zinc Plated Finish, Steel Hasp Assembly.....	12.26	3.71
08 71 11 00-0654	EA		4-1/2", Zinc Plated Finish, Steel Hasp Assembly.....	13.10	3.93
08 71 11 00-0655	EA		6", Zinc Plated Finish, Steel Hasp Assembly .....	17.35	4.42
08 71 11 00-0656	EA		6", Zinc Plated Finish, Steel High Security Hasp Assembly.....	84.39	5.30

**08 Openings****08 70 Hardware****08 71 Door Hardware**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 71 11 00-0657		Flush Bolts <small>(08 71 11 00-0420)</small>		
08 71 11 00-0658		Flush Bolts For Metal Doors <small>(08 71 11 00-0657)</small>		
08 71 11 00-0659		Brass Flush Bolts For Metal Doors <small>(08 71 11 00-0658)</small>		
08 71 11 00-0660		Manual, Brass Flush Bolts For Metal Doors <small>(08 71 11 00-0659)</small>		
		Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 11 00-0661	EA	Top Or Bottom Bolt, Manual, Brass Flush Bolt For Metal Doors (Ives FB457/458)	28.28	4.92
08 71 11 00-0662		Automatic, Brass Flush Bolts For Metal Doors <small>(08 71 11 00-0659)</small>		
		Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0663	EA	Top Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31T)	76.74	4.92
08 71 11 00-0664	EA	Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31B)	76.74	4.92
08 71 11 00-0665	EA	Top And Bottom Bolt, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31P)	142.53	7.86
08 71 11 00-0666	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Metal Doors (Ives FB32)	140.57	6.87
08 71 11 00-0667	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Brass Flush Bolt For Metal Doors (Ives FB33)	145.75	7.37
08 71 11 00-0668		Constant Latching, Brass Flush Bolts For Metal Doors <small>(08 71 11 00-0659)</small>		
		Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0669	EA	Top Bolt Only, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51T)	76.00	4.92
08 71 11 00-0670	EA	Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51P)	142.53	7.86
08 71 11 00-0671	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB52)	140.57	6.87
08 71 11 00-0672	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB53)	145.75	7.37
08 71 11 00-0673		Stainless Steel Flush Bolts For Metal Doors <small>(08 71 11 00-0658)</small>		
08 71 11 00-0674		Automatic, Stainless Steel Flush Bolts For Metal Doors <small>(08 71 11 00-0673)</small>		
		Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0675	EA	Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31T)	76.74	4.92
08 71 11 00-0676	EA	Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31B)	76.74	4.92
08 71 11 00-0677	EA	Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31P)	142.53	7.86
08 71 11 00-0678	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB32)	140.57	6.87
08 71 11 00-0679	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB33)	145.75	7.37
08 71 11 00-0680		Constant Latching, Stainless Steel Flush Bolts For Metal Doors <small>(08 71 11 00-0673)</small>		
		Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0681	EA	Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51T)	76.00	4.92
08 71 11 00-0682	EA	Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51P)	142.53	7.86
08 71 11 00-0683	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB52)	140.57	6.87
08 71 11 00-0684	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB53)	145.75	7.37
08 71 11 00-0685		Flush Bolts For Wood Doors <small>(08 71 11 00-0657)</small>		
08 71 11 00-0686		Brass Flush Bolts For Wood Doors <small>(08 71 11 00-0685)</small>		
08 71 11 00-0687		Manual, Brass Flush Bolts For Wood Doors <small>(08 71 11 00-0686)</small>		
		Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 11 00-0688	EA	Top Or Bottom Bolt, Manual, Brass Flush Bolt For Wood Doors (Ives FB358)	34.55	4.92
08 71 11 00-0689		Automatic, Brass Flush Bolts For Wood Doors <small>(08 71 11 00-0686)</small>		
		Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0690	EA	Top Bolt Only, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41T)	80.01	4.92
08 71 11 00-0691	EA	Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB41B)	80.01	4.92
08 71 11 00-0692	EA	Top And Bottom Bolt, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41P)	149.58	7.86
08 71 11 00-0693	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Wood Doors (Ives FB42)	147.62	6.87
08 71 11 00-0694		Constant Latching, Brass Flush Bolts For Wood Doors <small>(08 71 11 00-0686)</small>		
		Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0695	EA	Top Bolt Only, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61T)	79.36	4.92
08 71 11 00-0696	EA	Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61P)	149.58	7.86
08 71 11 00-0697	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB62)	147.62	6.87
08 71 11 00-0698		Stainless Steel Flush Bolts For Wood Doors <small>(08 71 11 00-0685)</small>		
08 71 11 00-0699		Automatic, Stainless Steel Flush Bolts For Wood Doors <small>(08 71 11 00-0698)</small>		
		Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0700	EA	Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41T)	80.01	4.92
08 71 11 00-0701	EA	Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB41B)	80.01	4.92



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0702 EA Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41P) .....	149.58	7.86
08 71 11 00-0703 EA Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB42) .....	147.62	6.87
<b>08 71 11 00-0704 Constant Latching, Stainless Steel Flush Bolts For Wood Doors (08 71 11 00-0698)</b>		
Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0705 EA Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61T) .....	79.36	4.92
08 71 11 00-0706 EA Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61P) .....	149.58	7.86
08 71 11 00-0707 EA Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB62) .....	147.62	6.87
<b>08 71 11 00-0708 Dust Proof Strikes (08 71 11 00-0657)</b>		
08 71 11 00-0709 EA Satin Brass Finish, Brass Dust Proof Strike (Ives DP1) .....	25.81	3.93
08 71 11 00-0710 EA Satin Chrome Finish, Brass Dust Proof Strike (Ives DP1) .....	25.81	3.93
08 71 11 00-0711 EA Bright Brass Finish, Brass Dust Proof Strike (Ives DP1) .....	25.81	3.93
08 71 11 00-0712 EA Satin Bronze Finish, Brass Dust Proof Strike (Ives DP1) .....	25.81	3.93
08 71 11 00-0713 EA Dark Bronze Finish, Brass Dust Proof Strike (Ives DP1) .....	25.81	3.93
08 71 11 00-0714 EA Satin Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2) .....	30.50	3.93
08 71 11 00-0715 EA Satin Chrome Finish, Brass Dust Proof Strike With Plate (Ives DP2) .....	30.50	3.93
08 71 11 00-0716 EA Satin Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2) .....	30.50	3.93
08 71 11 00-0717 EA Bright Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2) .....	30.50	3.93
08 71 11 00-0718 EA Dark Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2) .....	30.50	3.93
<b>08 71 11 00-0719 Roller Bumpers (08 71 11 00-0420)</b>		
<b>08 71 11 00-0720 Brass Roller Bumpers (08 71 11 00-0719)</b>		
08 71 11 00-0721 EA 5" Length, Bright Brass Finish, Brass Offset Arm Roller Bumper (Ives RB470) .....	28.40	2.95
08 71 11 00-0722 EA 5" Length, Satin Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470) .....	34.01	2.95
08 71 11 00-0723 EA 5" Length, Bright Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470) .....	34.01	2.95
08 71 11 00-0724 EA 4-1/2" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471) .....	27.14	2.95
08 71 11 00-0725 EA 4-1/2" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471) .....	31.41	2.95
08 71 11 00-0726 EA 4-1/2" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471) .....	31.41	2.95
08 71 11 00-0727 EA 4-1/2" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471) .....	31.41	2.95
08 71 11 00-0728 EA 6" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472) .....	28.49	2.95
08 71 11 00-0729 EA 6" Length, Satin Nickel Finish, Brass Straight Arm Roller Bumper (Ives RB472) .....	31.51	2.95
08 71 11 00-0730 EA 6" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472) .....	32.93	2.95
08 71 11 00-0731 EA 6" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472) .....	32.93	2.95
08 71 11 00-0732 EA 6" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472) .....	32.93	2.95
08 71 11 00-0733 EA 6" Length, Satin Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472) .....	32.93	2.95
08 71 11 00-0734 EA 6" Length, Dark Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472) .....	32.93	2.95
<b>08 71 11 00-0735 Other Door Trim (08 71 11 00-0420)</b>		
<b>08 71 11 00-0736 Coat And Hat Hooks (08 71 11 00-0735)</b>		
<b>08 71 11 00-0737 Aluminum Coat And Hat Hooks (08 71 11 00-0736)</b>		
08 71 11 00-0738 EA 1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Wardrobe Hook (Ives 581) .....	7.29	2.95
08 71 11 00-0739 EA 1-1/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Wardrobe Hook (Ives 581) .....	7.29	2.95
08 71 11 00-0740 EA 1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Wardrobe Hook (Ives 581) .....	7.39	2.95
08 71 11 00-0741 EA 1-3/4" Height, 1-1/4" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 571) .....	7.21	2.95
08 71 11 00-0742 EA 1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 571) .....	7.21	2.95
08 71 11 00-0743 EA 1-3/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 571) .....	7.21	2.95
08 71 11 00-0744 EA 1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Coat And Hat Hook (Ives 571) .....	7.39	2.95
08 71 11 00-0745 EA 1-1/2" Height, 2-1/2" Width, Satin Brass Finish, Aluminum Coat And Hat Hook (Ives 405) .....	7.91	2.95
08 71 11 00-0746 EA 1-1/2" Height, 2-1/2" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 405) .....	7.91	2.95
08 71 11 00-0747 EA 1-1/2" Height, 2-1/2" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 405) .....	7.91	2.95
08 71 11 00-0748 EA 1-1/2" Height, 2-1/2" Width, Dark Bronze Finish, Aluminum Coat And Hat Hook (Ives 405) .....	7.91	2.95
08 71 11 00-0749 EA 1-1/2" Height, 2-1/2" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 405) .....	7.91	2.95
<b>08 71 11 00-0750 Brass Coat And Hat Hooks (08 71 11 00-0736)</b>		
08 71 11 00-0751 EA 1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Wardrobe Hook (Ives 581) .....	10.13	2.95
08 71 11 00-0752 EA 1-1/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Wardrobe Hook (Ives 581) .....	10.41	2.95
08 71 11 00-0753 EA 1-1/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Wardrobe Hook (Ives 581) .....	10.85	2.95
08 71 11 00-0754 EA 1-1/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Wardrobe Hook (Ives 581) .....	10.85	2.95
08 71 11 00-0755 EA 1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Wardrobe Hook (Ives 581) .....	11.12	2.95
08 71 11 00-0756 EA 1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Coat And Hat Hook (Ives 571) .....	12.01	2.95
08 71 11 00-0757 EA 1-3/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Coat And Hat Hook (Ives 571) .....	13.26	2.95
08 71 11 00-0758 EA 1-3/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Coat And Hat Hook (Ives 571) .....	13.26	2.95
08 71 11 00-0759 EA 1-3/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Coat And Hat Hook (Ives 571) .....	13.26	2.95
08 71 11 00-0760 EA 1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Coat And Hat Hook (Ives 571) .....	13.53	2.95
<b>08 71 11 00-0761 Cane Bolt (08 71 11 00-0735)</b>		
08 71 11 00-0762 EA 18" Cane Bolt With Padlock Eyes Welded To Bolt, Manual, Steel Bolt For Doors (Stanley 1009) .....	13.83	3.93
<b>08 71 11 00-0763 Ball Catches (08 71 11 00-0735)</b>		

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0764	EA		Satin Brass Finish, Brass Adjustable Ball Catch (Ives 347) .....	15.98	3.93
			<i>For Owner Furnished Material, Deduct</i>	-8.12	
08 71 11 00-0765	EA		Bright Brass Finish, Brass Adjustable Ball Catch (Ives 347) .....	15.98	3.93
			<i>For Owner Furnished Material, Deduct</i>	-8.12	
08 71 11 00-0766	EA		Satin Nickel Finish, Brass Adjustable Ball Catch (Ives 347) .....	16.82	3.93
			<i>For Owner Furnished Material, Deduct</i>	-8.96	
08 71 11 00-0767	EA		Satin Chrome Finish, Brass Adjustable Ball Catch (Ives 347) .....	17.26	3.93
			<i>For Owner Furnished Material, Deduct</i>	-9.40	
08 71 11 00-0768	EA		Satin Bronze Finish, Brass Adjustable Ball Catch (Ives 347) .....	17.26	3.93
			<i>For Owner Furnished Material, Deduct</i>	-9.40	
08 71 11 00-0769	EA		Dark Bronze Finish, Brass Adjustable Ball Catch (Ives 347) .....	17.26	3.93
			<i>For Owner Furnished Material, Deduct</i>	-9.40	
<b>08 71 11 00-0770</b>			<b>Other Door Trim</b> (08 71 11 00-0735)		
08 71 11 00-0771	EA		Adapter Kit For Installation Of Cipher Locks On Metal Doors .....	51.79	4.92
			<i>For Owner Furnished Material, Deduct</i>	-41.97	
08 71 11 00-0772	EA		Push Or Pull Exit Paddle For Storefront Aluminum Door .....	75.64	9.82
			Note: Aluminum with dark bronze or satin aluminum finish.		
			<i>For Owner Furnished Material, Deduct</i>	-55.99	
08 71 11 00-0773	EA		Public Toilet Lock .....	33.84	6.56
			<i>For Owner Furnished Material, Deduct</i>	-24.02	
08 71 11 00-0774	EA		Slide Latch Handle Mechanism For Toilet Stall Partition Doors .....	32.81	3.93
			<i>For Owner Furnished Material, Deduct</i>	-24.95	
08 71 11 00-0775	EA		Brass Entry Lockset Door Repair Cover, US3 .....	46.45	4.92
			<i>For Owner Furnished Material, Deduct</i>	-26.80	
08 71 11 00-0776	EA		Stainless Steel Entry Lockset Door Repair Cover, US32D .....	55.50	4.92
			<i>For Owner Furnished Material, Deduct</i>	-35.85	
08 71 11 00-0777	EA		Brass Entry Deadlock Door Repair Cover, US3 .....	36.60	4.92
			<i>For Owner Furnished Material, Deduct</i>	-16.95	
08 71 11 00-0778	EA		Latch Protector .....	15.34	3.93
			<i>For Owner Furnished Material, Deduct</i>	-7.48	
<b>08 71 11 00-0779</b>			<b>Door Plates And Pulls</b> (08 71 11)		
<b>08 71 11 00-0780</b>			<b>Kick Plate</b> (08 71 11 00-0779)		
			Note: Ives 8400.		
<b>08 71 11 00-0781</b>			<b>Aluminum Base Material Kick Plate</b> (08 71 11 00-0780)		
<b>08 71 11 00-0782</b>			<b>Satin Aluminum Finish, Aluminum Kick Plate</b> (08 71 11 00-0781)		
08 71 11 00-0783	EA		8" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate .....	25.66	2.95
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0784	EA		8" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate .....	26.94	2.95
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0785	EA		8" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate .....	28.19	2.95
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0786	EA		8" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate .....	29.45	2.95
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0787	EA		8" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate .....	31.51	3.14
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0788	EA		8" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate .....	32.74	3.14
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0789	EA		8" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate .....	34.02	3.14
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0790	EA		8" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate .....	35.27	3.14
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0791	EA		8" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate .....	37.32	3.34
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0792	EA		8" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate .....	38.59	3.34
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0793	EA		8" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate .....	39.84	3.34
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0794	EA		8" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate .....	41.89	3.54
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0795	EA		8" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate .....	43.16	3.54
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0796	EA		8" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate .....	44.41	3.54
			<i>For Four Beveled Edges, Add</i>	1.76	
			<i>For UL Label (Fire Rated), Add</i>	11.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0797 EA 10" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	29.15 1.76 11.40	2.95
08 71 11 00-0798 EA 10" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	30.73 1.76 11.40	2.95
08 71 11 00-0799 EA 10" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	32.28 1.76 11.40	2.95
08 71 11 00-0800 EA 10" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	33.87 1.76 11.40	2.95
08 71 11 00-0801 EA 10" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	36.23 1.76 11.40	3.14
08 71 11 00-0802 EA 10" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	37.80 1.76 11.40	3.14
08 71 11 00-0803 EA 10" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	39.38 1.76 11.40	3.14
08 71 11 00-0804 EA 10" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	40.95 1.76 11.40	3.14
08 71 11 00-0805 EA 10" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	43.32 1.76 11.40	3.34
08 71 11 00-0806 EA 10" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	44.89 1.76 11.40	3.34
08 71 11 00-0807 EA 10" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	46.47 1.76 11.40	3.34
08 71 11 00-0808 EA 10" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	48.84 1.76 11.40	3.54
08 71 11 00-0809 EA 10" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	50.39 1.76 11.40	3.54
08 71 11 00-0810 EA 10" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.97 1.76 11.40	3.54
08 71 11 00-0811 EA 12" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	32.62 1.76 11.40	2.95
08 71 11 00-0812 EA 12" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	34.49 1.76 11.40	2.95
08 71 11 00-0813 EA 12" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	36.41 1.76 11.40	2.95
08 71 11 00-0814 EA 12" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	38.27 1.76 11.40	2.95
08 71 11 00-0815 EA 12" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	40.95 1.76 11.40	3.14
08 71 11 00-0816 EA 12" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	42.84 1.76 11.40	3.14
08 71 11 00-0817 EA 12" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	44.72 1.76 11.40	3.14
08 71 11 00-0818 EA 12" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	46.63 1.76 11.40	3.14
08 71 11 00-0819 EA 12" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	49.30 1.76 11.40	3.34
08 71 11 00-0820 EA 12" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.19 1.76 11.40	3.34
08 71 11 00-0821 EA 12" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.09 1.76 11.40	3.34
08 71 11 00-0822 EA 12" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.76 1.76 11.40	3.54
08 71 11 00-0823 EA 12" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.65 1.76 11.40	3.54
08 71 11 00-0824 EA 12" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.55 1.76 11.40	3.54



**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0825	EA		14" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	36.84 1.76 11.40	3.14
08 71 11 00-0826	EA		14" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	39.05 1.76 11.40	3.14
08 71 11 00-0827	EA		14" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	41.28 1.76 11.40	3.14
08 71 11 00-0828	EA		14" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	43.49 1.76 11.40	3.14
08 71 11 00-0829	EA		14" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	46.47 1.76 11.40	3.34
08 71 11 00-0830	EA		14" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	48.68 1.76 11.40	3.34
08 71 11 00-0831	EA		14" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	50.89 1.76 11.40	3.34
08 71 11 00-0832	EA		14" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.09 1.76 11.40	3.34
08 71 11 00-0833	EA		14" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.08 1.76 11.40	3.54
08 71 11 00-0834	EA		14" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.28 1.76 11.40	3.54
08 71 11 00-0835	EA		14" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.48 1.76 11.40	3.54
08 71 11 00-0836	EA		14" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.48 1.76 11.40	3.73
08 71 11 00-0837	EA		14" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.70 1.76 11.40	3.73
08 71 11 00-0838	EA		14" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.91 1.76 11.40	3.73
08 71 11 00-0839	EA		16" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	40.32 1.76 11.40	3.14
08 71 11 00-0840	EA		16" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	42.84 1.76 11.40	3.14
08 71 11 00-0841	EA		16" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	45.38 1.76 11.40	3.14
08 71 11 00-0842	EA		16" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	47.89 1.76 11.40	3.14
08 71 11 00-0843	EA		16" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	48.68 1.76 11.40	3.34
08 71 11 00-0844	EA		16" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.73 1.76 11.40	3.34
08 71 11 00-0845	EA		16" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.26 1.76 11.40	3.34
08 71 11 00-0846	EA		16" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.77 1.76 11.40	3.34
08 71 11 00-0847	EA		16" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.07 1.76 11.40	3.54
08 71 11 00-0848	EA		16" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.61 1.76 11.40	3.54
08 71 11 00-0849	EA		16" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.12 1.76 11.40	3.54
08 71 11 00-0850	EA		16" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.42 1.76 11.40	3.73
08 71 11 00-0851	EA		16" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.95 1.76 11.40	3.73
08 71 11 00-0852	EA		16" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.49 1.76 11.40	3.73



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Hardware</b>	<b>08 70</b>	
<b>Door Hardware</b>	<b>08 71</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0853	EA		18" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	45.78 6.30 11.40	3.14
08 71 11 00-0854	EA		18" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	48.80 6.30 11.40	3.14
08 71 11 00-0855	EA		18" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.83 6.30 11.40	3.14
08 71 11 00-0856	EA		18" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.85 6.30 11.40	3.14
08 71 11 00-0857	EA		18" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.64 6.30 11.40	3.34
08 71 11 00-0858	EA		18" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	61.66 6.30 11.40	3.34
08 71 11 00-0859	EA		18" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.68 6.30 11.40	3.34
08 71 11 00-0860	EA		18" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.71 6.30 11.40	3.34
08 71 11 00-0861	EA		18" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.51 6.30 11.40	3.54
08 71 11 00-0862	EA		18" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.53 6.30 11.40	3.54
08 71 11 00-0863	EA		18" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.55 6.30 11.40	3.54
08 71 11 00-0864	EA		18" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.36 6.30 11.40	3.73
08 71 11 00-0865	EA		18" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.38 6.30 11.40	3.73
08 71 11 00-0866	EA		18" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.40 6.30 11.40	3.73
08 71 11 00-0867	EA		20" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	50.26 6.30 11.40	3.34
08 71 11 00-0868	EA		20" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.62 6.30 11.40	3.34
08 71 11 00-0869	EA		20" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.97 6.30 11.40	3.34
08 71 11 00-0870	EA		20" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.33 6.30 11.40	3.34
08 71 11 00-0871	EA		20" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.46 6.30 11.40	3.54
08 71 11 00-0872	EA		20" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.82 6.30 11.40	3.54
08 71 11 00-0873	EA		20" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.17 6.30 11.40	3.54
08 71 11 00-0874	EA		20" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.53 6.30 11.40	3.54
08 71 11 00-0875	EA		20" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	78.67 6.30 11.40	3.73
08 71 11 00-0876	EA		20" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.03 6.30 11.40	3.73
08 71 11 00-0877	EA		20" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.38 6.30 11.40	3.73
08 71 11 00-0878	EA		20" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.53 6.30 11.40	3.93
08 71 11 00-0879	EA		20" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.88 6.30 11.40	3.93
08 71 11 00-0880	EA		20" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.24 6.30 11.40	3.93

## 08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0881	EA		22" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	53.95	3.34
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0882	EA		22" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	57.64	3.34
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0883	EA		22" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	61.33	3.34
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0884	EA		22" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	65.02	3.34
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0885	EA		22" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	69.50	3.54
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0886	EA		22" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	73.19	3.54
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0887	EA		22" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	76.88	3.54
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0888	EA		22" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	80.57	3.54
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0889	EA		22" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	85.05	3.73
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0890	EA		22" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	88.74	3.73
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0891	EA		22" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	92.42	3.73
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0892	EA		22" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	96.90	3.93
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0893	EA		22" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	100.59	3.93
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0894	EA		22" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	104.28	3.93
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0895	EA		24" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	57.64	3.34
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0896	EA		24" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	61.66	3.34
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0897	EA		24" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	65.70	3.34
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0898	EA		24" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	69.72	3.34
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0899	EA		24" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	74.53	3.54
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0900	EA		24" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	78.55	3.54
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0901	EA		24" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	82.57	3.54
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0902	EA		24" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	86.61	3.54
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0903	EA		24" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	91.42	3.73
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0904	EA		24" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	95.45	3.73
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0905	EA		24" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	99.47	3.73
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0906	EA		24" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	104.28	3.93
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0907	EA		24" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	108.32	3.93
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0908	EA		24" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	112.34	3.93
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 71 11 00-0909 Brass Base Material Kick Plate</b> <small>(08 71 11 00-0780)</small>		
<b>08 71 11 00-0910 Bright/Satin Brass Finish, Brass Kick Plate</b> <small>(08 71 11 00-0909)</small>		
08 71 11 00-0911 EA 8" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	57.70	2.95
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0912 EA 8" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	61.87	2.95
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0913 EA 8" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	66.05	2.95
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0914 EA 8" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	70.22	2.95
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0915 EA 8" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	75.16	3.14
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0916 EA 8" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	79.36	3.14
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0917 EA 8" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	83.53	3.14
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0918 EA 8" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	87.70	3.14
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0919 EA 8" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	92.66	3.34
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0920 EA 8" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	96.82	3.34
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0921 EA 8" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	100.99	3.34
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0922 EA 8" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	105.94	3.54
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0923 EA 8" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	110.14	3.54
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0924 EA 8" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	114.31	3.54
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0925 EA 10" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	69.18	2.95
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0926 EA 10" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	74.38	2.95
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0927 EA 10" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	79.61	2.95
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0928 EA 10" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	84.83	2.95
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0929 EA 10" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	90.81	3.14
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0930 EA 10" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	96.03	3.14
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0931 EA 10" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	101.26	3.14
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0932 EA 10" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	106.48	3.14
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0933 EA 10" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	112.46	3.34
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0934 EA 10" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	117.69	3.34
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0935 EA 10" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	122.92	3.34
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0936 EA 10" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	128.90	3.54
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	
08 71 11 00-0937 EA 10" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	134.13	3.54
For Four Beveled Edges, Add	1.76	
For UL Label (Fire Rated), Add	11.40	

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0938	EA		10" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	139.34 1.76 11.40	3.54
08 71 11 00-0939	EA		12" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.63 1.76 11.40	2.95
08 71 11 00-0940	EA		12" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.92 1.76 11.40	2.95
08 71 11 00-0941	EA		12" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.16 1.76 11.40	2.95
08 71 11 00-0942	EA		12" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.42 1.76 11.40	2.95
08 71 11 00-0943	EA		12" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.48 1.76 11.40	3.14
08 71 11 00-0944	EA		12" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.74 1.76 11.40	3.14
08 71 11 00-0945	EA		12" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	118.99 1.76 11.40	3.14
08 71 11 00-0946	EA		12" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.24 1.76 11.40	3.14
08 71 11 00-0947	EA		12" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.32 1.76 11.40	3.34
08 71 11 00-0948	EA		12" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	138.56 1.76 11.40	3.34
08 71 11 00-0949	EA		12" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	144.82 1.76 11.40	3.34
08 71 11 00-0950	EA		12" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	151.86 1.76 11.40	3.54
08 71 11 00-0951	EA		12" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.11 1.76 11.40	3.54
08 71 11 00-0952	EA		12" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	164.40 1.76 11.40	3.54
08 71 11 00-0953	EA		14" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.91 1.76 11.40	3.14
08 71 11 00-0954	EA		14" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.20 1.76 11.40	3.14
08 71 11 00-0955	EA		14" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.51 1.76 11.40	3.14
08 71 11 00-0956	EA		14" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.83 1.76 11.40	3.14
08 71 11 00-0957	EA		14" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.92 1.76 11.40	3.34
08 71 11 00-0958	EA		14" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.23 1.76 11.40	3.34
08 71 11 00-0959	EA		14" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	137.52 1.76 11.40	3.34
08 71 11 00-0960	EA		14" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	144.82 1.76 11.40	3.34
08 71 11 00-0961	EA		14" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	152.91 1.76 11.40	3.54
08 71 11 00-0962	EA		14" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	160.21 1.76 11.40	3.54
08 71 11 00-0963	EA		14" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	167.50 1.76 11.40	3.54
08 71 11 00-0964	EA		14" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	175.60 1.76 11.40	3.73
08 71 11 00-0965	EA		14" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	182.92 1.76 11.40	3.73



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Hardware</b>	<b>08 70</b>	
<b>Door Hardware</b>	<b>08 71</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0966	EA		14" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	190.22 1.76 11.40	3.73
08 71 11 00-0967	EA		16" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	133.53 1.76 11.40	3.14
08 71 11 00-0968	EA		16" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	144.55 1.76 11.40	3.14
08 71 11 00-0969	EA		16" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	155.55 1.76 11.40	3.14
08 71 11 00-0970	EA		16" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	166.53 1.76 11.40	3.14
08 71 11 00-0971	EA		16" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	178.31 1.76 11.40	3.34
08 71 11 00-0972	EA		16" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	189.32 1.76 11.40	3.34
08 71 11 00-0973	EA		16" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	200.33 1.76 11.40	3.34
08 71 11 00-0974	EA		16" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	211.29 1.76 11.40	3.34
08 71 11 00-0975	EA		16" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	223.10 1.76 11.40	3.54
08 71 11 00-0976	EA		16" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	234.11 1.76 11.40	3.54
08 71 11 00-0977	EA		16" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	245.10 1.76 11.40	3.54
08 71 11 00-0978	EA		16" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	256.87 1.76 11.40	3.73
08 71 11 00-0979	EA		16" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	267.86 1.76 11.40	3.73
08 71 11 00-0980	EA		16" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	278.87 1.76 11.40	3.73
08 71 11 00-0981	EA		18" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	148.42 6.30 11.40	3.14
08 71 11 00-0982	EA		18" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	160.76 6.30 11.40	3.14
08 71 11 00-0983	EA		18" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	173.09 6.30 11.40	3.14
08 71 11 00-0984	EA		18" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	185.47 6.30 11.40	3.14
08 71 11 00-0985	EA		18" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	198.60 6.30 11.40	3.34
08 71 11 00-0986	EA		18" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	210.93 6.30 11.40	3.34
08 71 11 00-0987	EA		18" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	223.30 6.30 11.40	3.34
08 71 11 00-0988	EA		18" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	235.63 6.30 11.40	3.34
08 71 11 00-0989	EA		18" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	248.79 6.30 11.40	3.54
08 71 11 00-0990	EA		18" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	261.13 6.30 11.40	3.54
08 71 11 00-0991	EA		18" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	273.46 6.30 11.40	3.54
08 71 11 00-0992	EA		18" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	286.63 6.30 11.40	3.73
08 71 11 00-0993	EA		18" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	298.96 6.30 11.40	3.73

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0994	EA		18" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	311.30	3.73
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0995	EA		20" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	164.30	3.34
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0996	EA		20" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	178.01	3.34
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0997	EA		20" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	191.75	3.34
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0998	EA		20" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	205.44	3.34
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0999	EA		20" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	219.96	3.54
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1000	EA		20" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	233.68	3.54
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1001	EA		20" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	247.39	3.54
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1002	EA		20" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	261.13	3.54
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1003	EA		20" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	275.62	3.73
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1004	EA		20" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	289.36	3.73
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1005	EA		20" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	303.08	3.73
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1006	EA		20" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	317.58	3.93
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1007	EA		20" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	331.32	3.93
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1008	EA		20" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	345.01	3.93
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1009	EA		22" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	179.40	3.34
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1010	EA		22" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	194.48	3.34
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1011	EA		22" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	209.57	3.34
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1012	EA		22" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	224.67	3.34
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1013	EA		22" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	240.54	3.54
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1014	EA		22" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	255.64	3.54
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1015	EA		22" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	270.73	3.54
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1016	EA		22" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	285.84	3.54
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1017	EA		22" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	301.70	3.73
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1018	EA		22" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	316.79	3.73
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1019	EA		22" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	331.89	3.73
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1020	EA		22" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	347.77	3.93
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1021	EA		22" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	362.88	3.93
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1022	EA		22" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	377.94 6.30 11.40	3.93
08 71 11 00-1023	EA		24" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	194.48 6.30 11.40	3.34
08 71 11 00-1024	EA		24" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	210.93 6.30 11.40	3.34
08 71 11 00-1025	EA		24" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	227.41 6.30 11.40	3.34
08 71 11 00-1026	EA		24" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	243.88 6.30 11.40	3.34
08 71 11 00-1027	EA		24" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	261.13 6.30 11.40	3.54
08 71 11 00-1028	EA		24" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	277.59 6.30 11.40	3.54
08 71 11 00-1029	EA		24" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	294.06 6.30 11.40	3.54
08 71 11 00-1030	EA		24" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	311.43 6.30 11.40	3.54
08 71 11 00-1031	EA		24" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	327.77 6.30 11.40	3.73
08 71 11 00-1032	EA		24" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	344.22 6.30 11.40	3.73
08 71 11 00-1033	EA		24" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	360.69 6.30 11.40	3.73
08 71 11 00-1034	EA		24" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	377.94 6.30 11.40	3.93
08 71 11 00-1035	EA		24" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	394.44 6.30 11.40	3.93
08 71 11 00-1036	EA		24" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	410.89 6.30 11.40	3.93
<b>08 71 11 00-1037</b>			<b>Bright/Satin Chrome Finish, Brass Kick Plate</b> <small>(08 71 11 00-0909)</small>		
08 71 11 00-1038	EA		8" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.42 1.76 11.40	2.95
08 71 11 00-1039	EA		8" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.02 1.76 11.40	2.95
08 71 11 00-1040	EA		8" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.62 1.76 11.40	2.95
08 71 11 00-1041	EA		8" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.23 1.76 11.40	2.95
08 71 11 00-1042	EA		8" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.61 1.76 11.40	3.14
08 71 11 00-1043	EA		8" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.20 1.76 11.40	3.14
08 71 11 00-1044	EA		8" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.81 1.76 11.40	3.14
08 71 11 00-1045	EA		8" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.41 1.76 11.40	3.14
08 71 11 00-1046	EA		8" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.80 1.76 11.40	3.34
08 71 11 00-1047	EA		8" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	105.42 1.76 11.40	3.34
08 71 11 00-1048	EA		8" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.03 1.76 11.40	3.34
08 71 11 00-1049	EA		8" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.41 1.76 11.40	3.54



## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1050	EA		8" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	120.01 1.76 11.40	3.54
08 71 11 00-1051	EA		8" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.62 1.76 11.40	3.54
08 71 11 00-1052	EA		10" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.08 1.76 11.40	2.95
08 71 11 00-1053	EA		10" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.83 1.76 11.40	2.95
08 71 11 00-1054	EA		10" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.58 1.76 11.40	2.95
08 71 11 00-1055	EA		10" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.33 1.76 11.40	2.95
08 71 11 00-1056	EA		10" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.88 1.76 11.40	3.14
08 71 11 00-1057	EA		10" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.63 1.76 11.40	3.14
08 71 11 00-1058	EA		10" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.38 1.76 11.40	3.14
08 71 11 00-1059	EA		10" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.13 1.76 11.40	3.14
08 71 11 00-1060	EA		10" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	122.67 1.76 11.40	3.34
08 71 11 00-1061	EA		10" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.43 1.76 11.40	3.34
08 71 11 00-1062	EA		10" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	134.18 1.76 11.40	3.34
08 71 11 00-1063	EA		10" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	140.71 1.76 11.40	3.54
08 71 11 00-1064	EA		10" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	146.46 1.76 11.40	3.54
08 71 11 00-1065	EA		10" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	152.21 1.76 11.40	3.54
08 71 11 00-1066	EA		12" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.73 1.76 11.40	2.95
08 71 11 00-1067	EA		12" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.63 1.76 11.40	2.95
08 71 11 00-1068	EA		12" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.56 1.76 11.40	2.95
08 71 11 00-1069	EA		12" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.46 1.76 11.40	2.95
08 71 11 00-1070	EA		12" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.13 1.76 11.40	3.14
08 71 11 00-1071	EA		12" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	123.05 1.76 11.40	3.14
08 71 11 00-1072	EA		12" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	129.94 1.76 11.40	3.14
08 71 11 00-1073	EA		12" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.84 1.76 11.40	3.14
08 71 11 00-1074	EA		12" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	144.53 1.76 11.40	3.34
08 71 11 00-1075	EA		12" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	151.43 1.76 11.40	3.34
08 71 11 00-1076	EA		12" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.34 1.76 11.40	3.34
08 71 11 00-1077	EA		12" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	166.02 1.76 11.40	3.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1078 EA 12" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	172.95 1.76 11.40	3.54
08 71 11 00-1079 EA 12" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	179.85 1.76 11.40	3.54
08 71 11 00-1080 EA 14" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	101.16 1.76 11.40	3.14
08 71 11 00-1081 EA 14" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	109.24 1.76 11.40	3.14
08 71 11 00-1082 EA 14" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	117.30 1.76 11.40	3.14
08 71 11 00-1083 EA 14" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	125.34 1.76 11.40	3.14
08 71 11 00-1084 EA 14" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	134.18 1.76 11.40	3.34
08 71 11 00-1085 EA 14" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	142.24 1.76 11.40	3.34
08 71 11 00-1086 EA 14" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	150.28 1.76 11.40	3.34
08 71 11 00-1087 EA 14" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	158.34 1.76 11.40	3.34
08 71 11 00-1088 EA 14" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	167.20 1.76 11.40	3.54
08 71 11 00-1089 EA 14" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	175.24 1.76 11.40	3.54
08 71 11 00-1090 EA 14" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	183.29 1.76 11.40	3.54
08 71 11 00-1091 EA 14" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	177.62 1.76 11.40	3.73
08 71 11 00-1092 EA 14" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	200.19 1.76 11.40	3.73
08 71 11 00-1093 EA 14" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	208.25 1.76 11.40	3.73
08 71 11 00-1094 EA 16" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	147.58 1.76 11.40	3.14
08 71 11 00-1095 EA 16" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	159.86 1.76 11.40	3.14
08 71 11 00-1096 EA 16" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	172.13 1.76 11.40	3.14
08 71 11 00-1097 EA 16" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	184.41 1.76 11.40	3.14
08 71 11 00-1098 EA 16" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	197.47 1.76 11.40	3.34
08 71 11 00-1099 EA 16" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	209.74 1.76 11.40	3.34
08 71 11 00-1100 EA 16" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	222.03 1.76 11.40	3.34
08 71 11 00-1101 EA 16" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	234.30 1.76 11.40	3.34
08 71 11 00-1102 EA 16" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	247.35 1.76 11.40	3.54
08 71 11 00-1103 EA 16" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	259.62 1.76 11.40	3.54
08 71 11 00-1104 EA 16" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	271.89 1.76 11.40	3.54
08 71 11 00-1105 EA 16" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add For UL Label (Fire Rated), Add</i>	284.96 1.76 11.40	3.73

## 08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1106	EA		16" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	297.23 1.76 11.40	3.73
08 71 11 00-1107	EA		16" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	309.50 1.76 11.40	3.73
08 71 11 00-1108	EA		18" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	164.02 6.30 11.40	3.14
08 71 11 00-1109	EA		18" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	177.80 6.30 11.40	3.14
08 71 11 00-1110	EA		18" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	191.55 6.30 11.40	3.14
08 71 11 00-1111	EA		18" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	205.33 6.30 11.40	3.14
08 71 11 00-1112	EA		18" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	219.88 6.30 11.40	3.34
08 71 11 00-1113	EA		18" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	233.64 6.30 11.40	3.34
08 71 11 00-1114	EA		18" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	247.41 6.30 11.40	3.34
08 71 11 00-1115	EA		18" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	261.18 6.30 11.40	3.34
08 71 11 00-1116	EA		18" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	275.71 6.30 11.40	3.54
08 71 11 00-1117	EA		18" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	289.50 6.30 11.40	3.54
08 71 11 00-1118	EA		18" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	303.28 6.30 11.40	3.54
08 71 11 00-1119	EA		18" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	317.82 6.30 11.40	3.73
08 71 11 00-1120	EA		18" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	331.60 6.30 11.40	3.73
08 71 11 00-1121	EA		18" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	345.36 6.30 11.40	3.73
08 71 11 00-1122	EA		20" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	181.62 6.30 11.40	3.34
08 71 11 00-1123	EA		20" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	196.95 6.30 11.40	3.34
08 71 11 00-1124	EA		20" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	212.22 6.30 11.40	3.34
08 71 11 00-1125	EA		20" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	227.55 6.30 11.40	3.34
08 71 11 00-1126	EA		20" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	243.60 6.30 11.40	3.54
08 71 11 00-1127	EA		20" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	258.90 6.30 11.40	3.54
08 71 11 00-1128	EA		20" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	274.20 6.30 11.40	3.54
08 71 11 00-1129	EA		20" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	289.50 6.30 11.40	3.54
08 71 11 00-1130	EA		20" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	305.61 6.30 11.40	3.73
08 71 11 00-1131	EA		20" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	320.89 6.30 11.40	3.73
08 71 11 00-1132	EA		20" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	336.18 6.30 11.40	3.73
08 71 11 00-1133	EA		20" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	352.28 6.30 11.40	3.93



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Hardware</b>	<b>08 70</b>	
<b>Door Hardware</b>	<b>08 71</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1134	EA		20" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	367.57 6.30 11.40	3.93
08 71 11 00-1135	EA		20" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	382.88 6.30 11.40	3.93
08 71 11 00-1136	EA		22" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	198.46 6.30 11.40	3.34
08 71 11 00-1137	EA		22" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	215.30 6.30 11.40	3.34
08 71 11 00-1138	EA		22" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	232.12 6.30 11.40	3.34
08 71 11 00-1139	EA		22" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	248.94 6.30 11.40	3.34
08 71 11 00-1140	EA		22" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	266.56 6.30 11.40	3.54
08 71 11 00-1141	EA		22" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	283.38 6.30 11.40	3.54
08 71 11 00-1142	EA		22" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	300.21 6.30 11.40	3.54
08 71 11 00-1143	EA		22" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	317.03 6.30 11.40	3.54
08 71 11 00-1144	EA		22" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	334.67 6.30 11.40	3.73
08 71 11 00-1145	EA		22" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	351.49 6.30 11.40	3.73
08 71 11 00-1146	EA		22" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	368.32 6.30 11.40	3.73
08 71 11 00-1147	EA		22" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	385.93 6.30 11.40	3.93
08 71 11 00-1148	EA		22" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	402.74 6.30 11.40	3.93
08 71 11 00-1149	EA		22" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	419.59 6.30 11.40	3.93
08 71 11 00-1150	EA		24" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	215.30 6.30 11.40	3.34
08 71 11 00-1151	EA		24" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	233.64 6.30 11.40	3.34
08 71 11 00-1152	EA		24" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	252.00 6.30 11.40	3.34
08 71 11 00-1153	EA		24" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	270.36 6.30 11.40	3.34
08 71 11 00-1154	EA		24" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	289.50 6.30 11.40	3.54
08 71 11 00-1155	EA		24" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	307.85 6.30 11.40	3.54
08 71 11 00-1156	EA		24" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	326.24 6.30 11.40	3.54
08 71 11 00-1157	EA		24" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	344.57 6.30 11.40	3.54
08 71 11 00-1158	EA		24" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	363.71 6.30 11.40	3.73
08 71 11 00-1159	EA		24" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	382.09 6.30 11.40	3.73
08 71 11 00-1160	EA		24" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	400.44 6.30 11.40	3.73
08 71 11 00-1161	EA		24" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	419.59 6.30 11.40	3.93

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1162	EA		24" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	437.95 6.30 11.40	3.93
08 71 11 00-1163	EA		24" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	456.30 6.30 11.40	3.93
<b>08 71 11 00-1164</b>			<b>Satin/Dark Bronze Finish, Brass Kick Plate</b> <small>(08 71 11 00-0909)</small>		
08 71 11 00-1165	EA		8" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.32 1.76 11.40	2.95
08 71 11 00-1166	EA		8" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.98 1.76 11.40	2.95
08 71 11 00-1167	EA		8" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.68 1.76 11.40	2.95
08 71 11 00-1168	EA		8" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.35 1.76 11.40	2.95
08 71 11 00-1169	EA		8" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.83 1.76 11.40	3.14
08 71 11 00-1170	EA		8" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.51 1.76 11.40	3.14
08 71 11 00-1171	EA		8" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.20 1.76 11.40	3.14
08 71 11 00-1172	EA		8" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.88 1.76 11.40	3.14
08 71 11 00-1173	EA		8" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.33 1.76 11.40	3.34
08 71 11 00-1174	EA		8" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.03 1.76 11.40	3.34
08 71 11 00-1175	EA		8" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.71 1.76 11.40	3.34
08 71 11 00-1176	EA		8" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	117.18 1.76 11.40	3.54
08 71 11 00-1177	EA		8" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	121.86 1.76 11.40	3.54
08 71 11 00-1178	EA		8" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.55 1.76 11.40	3.54
08 71 11 00-1179	EA		10" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.19 1.76 11.40	2.95
08 71 11 00-1180	EA		10" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.05 1.76 11.40	2.95
08 71 11 00-1181	EA		10" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.89 1.76 11.40	2.95
08 71 11 00-1182	EA		10" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.74 1.76 11.40	2.95
08 71 11 00-1183	EA		10" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.38 1.76 11.40	3.14
08 71 11 00-1184	EA		10" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.24 1.76 11.40	3.14
08 71 11 00-1185	EA		10" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.08 1.76 11.40	3.14
08 71 11 00-1186	EA		10" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	117.93 1.76 11.40	3.14
08 71 11 00-1187	EA		10" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.59 1.76 11.40	3.34
08 71 11 00-1188	EA		10" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.44 1.76 11.40	3.34
08 71 11 00-1189	EA		10" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.28 1.76 11.40	3.34



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Hardware</b>	<b>08 70</b>	
<b>Door Hardware</b>	<b>08 71</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1190	EA		10" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	142.94 1.76 11.40	3.54
08 71 11 00-1191	EA		10" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	148.78 1.76 11.40	3.54
08 71 11 00-1192	EA		10" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	154.64 1.76 11.40	3.54
08 71 11 00-1193	EA		12" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.07 1.76 11.40	2.95
08 71 11 00-1194	EA		12" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.10 1.76 11.40	2.95
08 71 11 00-1195	EA		12" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.11 1.76 11.40	2.95
08 71 11 00-1196	EA		12" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.14 1.76 11.40	2.95
08 71 11 00-1197	EA		12" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	117.93 1.76 11.40	3.14
08 71 11 00-1198	EA		12" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.98 1.76 11.40	3.14
08 71 11 00-1199	EA		12" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.01 1.76 11.40	3.14
08 71 11 00-1200	EA		12" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	139.02 1.76 11.40	3.14
08 71 11 00-1201	EA		12" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	146.84 1.76 11.40	3.34
08 71 11 00-1202	EA		12" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	153.86 1.76 11.40	3.34
08 71 11 00-1203	EA		12" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	160.87 1.76 11.40	3.34
08 71 11 00-1204	EA		12" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	168.68 1.76 11.40	3.54
08 71 11 00-1205	EA		12" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	175.72 1.76 11.40	3.54
08 71 11 00-1206	EA		12" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	182.74 1.76 11.40	3.54
08 71 11 00-1207	EA		14" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.71 1.76 11.40	3.14
08 71 11 00-1208	EA		14" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.92 1.76 11.40	3.14
08 71 11 00-1209	EA		14" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.11 1.76 11.40	3.14
08 71 11 00-1210	EA		14" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	127.30 1.76 11.40	3.14
08 71 11 00-1211	EA		14" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.28 1.76 11.40	3.34
08 71 11 00-1212	EA		14" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	144.49 1.76 11.40	3.34
08 71 11 00-1213	EA		14" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	152.68 1.76 11.40	3.34
08 71 11 00-1214	EA		14" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	160.87 1.76 11.40	3.34
08 71 11 00-1215	EA		14" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	169.86 1.76 11.40	3.54
08 71 11 00-1216	EA		14" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	178.05 1.76 11.40	3.54
08 71 11 00-1217	EA		14" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	186.24 1.76 11.40	3.54

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1218	EA		14" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	195.23 1.76 11.40	3.73
08 71 11 00-1219	EA		14" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	203.45 1.76 11.40	3.73
08 71 11 00-1220	EA		14" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	211.64 1.76 11.40	3.73
08 71 11 00-1221	EA		16" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	147.58 1.76 11.40	3.14
08 71 11 00-1222	EA		16" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	159.86 1.76 11.40	3.14
08 71 11 00-1223	EA		16" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	172.13 1.76 11.40	3.14
08 71 11 00-1224	EA		16" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	184.41 1.76 11.40	3.14
08 71 11 00-1225	EA		16" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	197.47 1.76 11.40	3.34
08 71 11 00-1226	EA		16" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	209.74 1.76 11.40	3.34
08 71 11 00-1227	EA		16" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	222.03 1.76 11.40	3.34
08 71 11 00-1228	EA		16" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	234.30 1.76 11.40	3.34
08 71 11 00-1229	EA		16" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	247.35 1.76 11.40	3.54
08 71 11 00-1230	EA		16" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	259.62 1.76 11.40	3.54
08 71 11 00-1231	EA		16" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	271.89 1.76 11.40	3.54
08 71 11 00-1232	EA		16" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	284.96 1.76 11.40	3.73
08 71 11 00-1233	EA		16" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	297.23 1.76 11.40	3.73
08 71 11 00-1234	EA		16" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	309.50 1.76 11.40	3.73
08 71 11 00-1235	EA		18" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	164.02 6.30 11.40	3.14
08 71 11 00-1236	EA		18" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	177.80 6.30 11.40	3.14
08 71 11 00-1237	EA		18" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	191.55 6.30 11.40	3.14
08 71 11 00-1238	EA		18" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	205.33 6.30 11.40	3.14
08 71 11 00-1239	EA		18" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	219.88 6.30 11.40	3.34
08 71 11 00-1240	EA		18" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	233.64 6.30 11.40	3.34
08 71 11 00-1241	EA		18" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	247.41 6.30 11.40	3.34
08 71 11 00-1242	EA		18" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	261.18 6.30 11.40	3.34
08 71 11 00-1243	EA		18" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	275.71 6.30 11.40	3.54
08 71 11 00-1244	EA		18" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	289.50 6.30 11.40	3.54
08 71 11 00-1245	EA		18" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	303.28 6.30 11.40	3.54



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Hardware</b>	<b>08 70</b>	
<b>Door Hardware</b>	<b>08 71</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1246	EA	18" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	317.82	3.73
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1247	EA	18" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	331.60	3.73
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1248	EA	18" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	345.36	3.73
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1249	EA	20" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	181.62	3.34
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1250	EA	20" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	196.95	3.34
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1251	EA	20" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	212.22	3.34
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1252	EA	20" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	227.55	3.34
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1253	EA	20" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	243.60	3.54
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1254	EA	20" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	258.90	3.54
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1255	EA	20" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	274.20	3.54
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1256	EA	20" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	289.50	3.54
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1257	EA	20" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	305.61	3.73
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1258	EA	20" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	320.89	3.73
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1259	EA	20" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	336.18	3.73
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1260	EA	20" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	352.28	3.93
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1261	EA	20" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	367.57	3.93
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1262	EA	20" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	382.88	3.93
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1263	EA	22" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	198.46	3.34
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1264	EA	22" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	215.30	3.34
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1265	EA	22" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	232.12	3.34
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1266	EA	22" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	248.94	3.34
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1267	EA	22" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	266.56	3.54
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1268	EA	22" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	283.38	3.54
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1269	EA	22" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	300.21	3.54
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1270	EA	22" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	317.03	3.54
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1271	EA	22" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	334.67	3.73
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1272	EA	22" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	351.49	3.73
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1273	EA	22" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	.....	368.32	3.73
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	



**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1274	EA		22" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	385.93 6.30 11.40	3.93
08 71 11 00-1275	EA		22" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	402.74 6.30 11.40	3.93
08 71 11 00-1276	EA		22" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	419.59 6.30 11.40	3.93
08 71 11 00-1277	EA		24" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	215.30 6.30 11.40	3.34
08 71 11 00-1278	EA		24" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	233.64 6.30 11.40	3.34
08 71 11 00-1279	EA		24" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	252.00 6.30 11.40	3.34
08 71 11 00-1280	EA		24" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	270.36 6.30 11.40	3.34
08 71 11 00-1281	EA		24" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	289.50 6.30 11.40	3.54
08 71 11 00-1282	EA		24" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	307.85 6.30 11.40	3.54
08 71 11 00-1283	EA		24" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	326.24 6.30 11.40	3.54
08 71 11 00-1284	EA		24" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	344.57 6.30 11.40	3.54
08 71 11 00-1285	EA		24" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	363.71 6.30 11.40	3.73
08 71 11 00-1286	EA		24" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	382.09 6.30 11.40	3.73
08 71 11 00-1287	EA		24" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	400.44 6.30 11.40	3.73
08 71 11 00-1288	EA		24" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	419.59 6.30 11.40	3.93
08 71 11 00-1289	EA		24" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	437.95 6.30 11.40	3.93
08 71 11 00-1290	EA		24" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	456.30 6.30 11.40	3.93
<b>08 71 11 00-1291</b>			<b>Satin Nickel Finish, Brass Kick Plate</b> <small>(08 71 11 00-0909)</small>		
08 71 11 00-1292	EA		8" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.32 1.76 11.40	2.95
08 71 11 00-1293	EA		8" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.98 1.76 11.40	2.95
08 71 11 00-1294	EA		8" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.68 1.76 11.40	2.95
08 71 11 00-1295	EA		8" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.35 1.76 11.40	2.95
08 71 11 00-1296	EA		8" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.83 1.76 11.40	3.14
08 71 11 00-1297	EA		8" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.51 1.76 11.40	3.14
08 71 11 00-1298	EA		8" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.20 1.76 11.40	3.14
08 71 11 00-1299	EA		8" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.88 1.76 11.40	3.14
08 71 11 00-1300	EA		8" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.33 1.76 11.40	3.34
08 71 11 00-1301	EA		8" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.03 1.76 11.40	3.34



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Hardware</b>	<b>08 70</b>	
<b>Door Hardware</b>	<b>08 71</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1302	EA		8" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.71 1.76 11.40	3.34
08 71 11 00-1303	EA		8" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	117.18 1.76 11.40	3.54
08 71 11 00-1304	EA		8" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	121.86 1.76 11.40	3.54
08 71 11 00-1305	EA		8" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.55 1.76 11.40	3.54
08 71 11 00-1306	EA		10" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.19 1.76 11.40	2.95
08 71 11 00-1307	EA		10" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.05 1.76 11.40	2.95
08 71 11 00-1308	EA		10" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.89 1.76 11.40	2.95
08 71 11 00-1309	EA		10" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.74 1.76 11.40	2.95
08 71 11 00-1310	EA		10" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.38 1.76 11.40	3.14
08 71 11 00-1311	EA		10" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.24 1.76 11.40	3.14
08 71 11 00-1312	EA		10" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.08 1.76 11.40	3.14
08 71 11 00-1313	EA		10" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	117.93 1.76 11.40	3.14
08 71 11 00-1314	EA		10" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.59 1.76 11.40	3.34
08 71 11 00-1315	EA		10" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.44 1.76 11.40	3.34
08 71 11 00-1316	EA		10" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.28 1.76 11.40	3.34
08 71 11 00-1317	EA		10" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	142.94 1.76 11.40	3.54
08 71 11 00-1318	EA		10" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	148.78 1.76 11.40	3.54
08 71 11 00-1319	EA		10" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	154.64 1.76 11.40	3.54
08 71 11 00-1320	EA		12" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.07 1.76 11.40	2.95
08 71 11 00-1321	EA		12" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.10 1.76 11.40	2.95
08 71 11 00-1322	EA		12" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.11 1.76 11.40	2.95
08 71 11 00-1323	EA		12" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.14 1.76 11.40	2.95
08 71 11 00-1324	EA		12" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	117.93 1.76 11.40	3.14
08 71 11 00-1325	EA		12" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.98 1.76 11.40	3.14
08 71 11 00-1326	EA		12" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.01 1.76 11.40	3.14
08 71 11 00-1327	EA		12" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	139.02 1.76 11.40	3.14
08 71 11 00-1328	EA		12" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	146.84 1.76 11.40	3.34
08 71 11 00-1329	EA		12" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	153.86 1.76 11.40	3.34

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1330	EA		12" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	160.87 1.76 11.40	3.34
08 71 11 00-1331	EA		12" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	168.68 1.76 11.40	3.54
08 71 11 00-1332	EA		12" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	175.72 1.76 11.40	3.54
08 71 11 00-1333	EA		12" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	182.74 1.76 11.40	3.54
08 71 11 00-1334	EA		14" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.71 1.76 11.40	3.14
08 71 11 00-1335	EA		14" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.92 1.76 11.40	3.14
08 71 11 00-1336	EA		14" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.11 1.76 11.40	3.14
08 71 11 00-1337	EA		14" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	127.30 1.76 11.40	3.14
08 71 11 00-1338	EA		14" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.28 1.76 11.40	3.34
08 71 11 00-1339	EA		14" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	144.49 1.76 11.40	3.34
08 71 11 00-1340	EA		14" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	152.68 1.76 11.40	3.34
08 71 11 00-1341	EA		14" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	160.87 1.76 11.40	3.34
08 71 11 00-1342	EA		14" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	169.86 1.76 11.40	3.54
08 71 11 00-1343	EA		14" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	178.05 1.76 11.40	3.54
08 71 11 00-1344	EA		14" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	186.24 1.76 11.40	3.54
08 71 11 00-1345	EA		14" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	195.23 1.76 11.40	3.73
08 71 11 00-1346	EA		14" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	203.45 1.76 11.40	3.73
08 71 11 00-1347	EA		14" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	211.64 1.76 11.40	3.73
08 71 11 00-1348	EA		16" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	147.58 1.76 11.40	3.14
08 71 11 00-1349	EA		16" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	159.86 1.76 11.40	3.14
08 71 11 00-1350	EA		16" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	172.13 1.76 11.40	3.14
08 71 11 00-1351	EA		16" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	184.41 1.76 11.40	3.14
08 71 11 00-1352	EA		16" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	197.47 1.76 11.40	3.34
08 71 11 00-1353	EA		16" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	209.74 1.76 11.40	3.34
08 71 11 00-1354	EA		16" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	222.03 1.76 11.40	3.34
08 71 11 00-1355	EA		16" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	234.30 1.76 11.40	3.34
08 71 11 00-1356	EA		16" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	247.35 1.76 11.40	3.54
08 71 11 00-1357	EA		16" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	259.62 1.76 11.40	3.54



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Hardware</b>	<b>08 70</b>	
<b>Door Hardware</b>	<b>08 71</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1358	EA		16" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	271.89 1.76 11.40	3.54
08 71 11 00-1359	EA		16" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	284.96 1.76 11.40	3.73
08 71 11 00-1360	EA		16" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	297.23 1.76 11.40	3.73
08 71 11 00-1361	EA		16" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	309.50 1.76 11.40	3.73
08 71 11 00-1362	EA		18" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	164.02 6.30 11.40	3.14
08 71 11 00-1363	EA		18" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	177.80 6.30 11.40	3.14
08 71 11 00-1364	EA		18" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	191.55 6.30 11.40	3.14
08 71 11 00-1365	EA		18" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	205.33 6.30 11.40	3.14
08 71 11 00-1366	EA		18" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	219.88 6.30 11.40	3.34
08 71 11 00-1367	EA		18" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	233.64 6.30 11.40	3.34
08 71 11 00-1368	EA		18" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	247.41 6.30 11.40	3.34
08 71 11 00-1369	EA		18" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	261.18 6.30 11.40	3.34
08 71 11 00-1370	EA		18" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	275.71 6.30 11.40	3.54
08 71 11 00-1371	EA		18" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	289.50 6.30 11.40	3.54
08 71 11 00-1372	EA		18" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	303.28 6.30 11.40	3.54
08 71 11 00-1373	EA		18" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	317.82 6.30 11.40	3.73
08 71 11 00-1374	EA		18" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	331.60 6.30 11.40	3.73
08 71 11 00-1375	EA		18" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	345.36 6.30 11.40	3.73
08 71 11 00-1376	EA		20" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	181.62 6.30 11.40	3.34
08 71 11 00-1377	EA		20" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	196.95 6.30 11.40	3.34
08 71 11 00-1378	EA		20" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	212.22 6.30 11.40	3.34
08 71 11 00-1379	EA		20" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	227.55 6.30 11.40	3.34
08 71 11 00-1380	EA		20" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	243.60 6.30 11.40	3.54
08 71 11 00-1381	EA		20" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	258.90 6.30 11.40	3.54
08 71 11 00-1382	EA		20" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	274.20 6.30 11.40	3.54
08 71 11 00-1383	EA		20" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	289.50 6.30 11.40	3.54
08 71 11 00-1384	EA		20" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	305.61 6.30 11.40	3.73
08 71 11 00-1385	EA		20" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	320.89 6.30 11.40	3.73

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1386	EA		20" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	336.18 6.30 11.40	3.73
08 71 11 00-1387	EA		20" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	352.28 6.30 11.40	3.93
08 71 11 00-1388	EA		20" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	367.57 6.30 11.40	3.93
08 71 11 00-1389	EA		20" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	382.88 6.30 11.40	3.93
08 71 11 00-1390	EA		22" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	198.46 6.30 11.40	3.34
08 71 11 00-1391	EA		22" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	215.30 6.30 11.40	3.34
08 71 11 00-1392	EA		22" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	232.12 6.30 11.40	3.34
08 71 11 00-1393	EA		22" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	248.94 6.30 11.40	3.34
08 71 11 00-1394	EA		22" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	266.56 6.30 11.40	3.54
08 71 11 00-1395	EA		22" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	283.38 6.30 11.40	3.54
08 71 11 00-1396	EA		22" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	300.21 6.30 11.40	3.54
08 71 11 00-1397	EA		22" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	317.03 6.30 11.40	3.54
08 71 11 00-1398	EA		22" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	334.67 6.30 11.40	3.73
08 71 11 00-1399	EA		22" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	351.49 6.30 11.40	3.73
08 71 11 00-1400	EA		22" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	368.32 6.30 11.40	3.73
08 71 11 00-1401	EA		22" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	385.93 6.30 11.40	3.93
08 71 11 00-1402	EA		22" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	402.74 6.30 11.40	3.93
08 71 11 00-1403	EA		22" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	419.59 6.30 11.40	3.93
08 71 11 00-1404	EA		24" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	215.30 6.30 11.40	3.34
08 71 11 00-1405	EA		24" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	233.64 6.30 11.40	3.34
08 71 11 00-1406	EA		24" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	252.00 6.30 11.40	3.34
08 71 11 00-1407	EA		24" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	270.36 6.30 11.40	3.34
08 71 11 00-1408	EA		24" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	289.50 6.30 11.40	3.54
08 71 11 00-1409	EA		24" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	307.85 6.30 11.40	3.54
08 71 11 00-1410	EA		24" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	326.24 6.30 11.40	3.54
08 71 11 00-1411	EA		24" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	344.57 6.30 11.40	3.54
08 71 11 00-1412	EA		24" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	363.71 6.30 11.40	3.73
08 71 11 00-1413	EA		24" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	382.09 6.30 11.40	3.73



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1414	EA			24" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	400.44 6.30 11.40	3.73
08 71 11 00-1415	EA			24" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	419.59 6.30 11.40	3.93
08 71 11 00-1416	EA			24" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	437.95 6.30 11.40	3.93
08 71 11 00-1417	EA			24" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	456.30 6.30 11.40	3.93
<b>08 71 11 00-1418</b>				<b>Stainless Base Material Kick Plate</b> (08 71 11 00-0780)		
<b>08 71 11 00-1419</b>				<b>Satin Stainless Finish, Stainless Kick Plate</b> (08 71 11 00-1418)		
08 71 11 00-1420	EA			8" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	27.87 1.76 11.40	2.95
08 71 11 00-1421	EA			8" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	29.35 1.76 11.40	2.95
08 71 11 00-1422	EA			8" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	30.79 1.76 11.40	2.95
08 71 11 00-1423	EA			8" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	32.28 1.76 11.40	2.95
08 71 11 00-1424	EA			8" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	34.51 1.76 11.40	3.14
08 71 11 00-1425	EA			8" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	35.95 1.76 11.40	3.14
08 71 11 00-1426	EA			8" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	37.45 1.76 11.40	3.14
08 71 11 00-1427	EA			8" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	38.90 1.76 11.40	3.14
08 71 11 00-1428	EA			8" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	41.16 1.76 11.40	3.34
08 71 11 00-1429	EA			8" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	42.62 1.76 11.40	3.34
08 71 11 00-1430	EA			8" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	44.08 1.76 11.40	3.34
08 71 11 00-1431	EA			8" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	46.32 1.76 11.40	3.54
08 71 11 00-1432	EA			8" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	47.79 1.76 11.40	3.54
08 71 11 00-1433	EA			8" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	49.24 1.76 11.40	3.54
08 71 11 00-1434	EA			10" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	31.89 1.76 11.40	2.95
08 71 11 00-1435	EA			10" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	33.73 1.76 11.40	2.95
08 71 11 00-1436	EA			10" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	35.56 1.76 11.40	2.95
08 71 11 00-1437	EA			10" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	37.38 1.76 11.40	2.95
08 71 11 00-1438	EA			10" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	40.00 1.76 11.40	3.14
08 71 11 00-1439	EA			10" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	41.83 1.76 11.40	3.14
08 71 11 00-1440	EA			10" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	43.65 1.76 11.40	3.14
08 71 11 00-1441	EA			10" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	45.46 1.76 11.40	3.14

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1442	EA		10" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	48.11 1.76 11.40	3.34
08 71 11 00-1443	EA		10" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	49.93 1.76 11.40	3.34
08 71 11 00-1444	EA		10" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.74 1.76 11.40	3.34
08 71 11 00-1445	EA		10" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.37 1.76 11.40	3.54
08 71 11 00-1446	EA		10" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.20 1.76 11.40	3.54
08 71 11 00-1447	EA		10" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.01 1.76 11.40	3.54
08 71 11 00-1448	EA		12" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	35.93 1.76 11.40	2.95
08 71 11 00-1449	EA		12" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	38.12 1.76 11.40	2.95
08 71 11 00-1450	EA		12" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	40.31 1.76 11.40	2.95
08 71 11 00-1451	EA		12" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	42.51 1.76 11.40	2.95
08 71 11 00-1452	EA		12" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	45.46 1.76 11.40	3.14
08 71 11 00-1453	EA		12" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	47.67 1.76 11.40	3.14
08 71 11 00-1454	EA		12" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	49.85 1.76 11.40	3.14
08 71 11 00-1455	EA		12" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	52.06 1.76 11.40	3.14
08 71 11 00-1456	EA		12" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.03 1.76 11.40	3.34
08 71 11 00-1457	EA		12" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.23 1.76 11.40	3.34
08 71 11 00-1458	EA		12" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.44 1.76 11.40	3.34
08 71 11 00-1459	EA		12" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.40 1.76 11.40	3.54
08 71 11 00-1460	EA		12" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.61 1.76 11.40	3.54
08 71 11 00-1461	EA		12" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.79 1.76 11.40	3.54
08 71 11 00-1462	EA		14" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	40.73 1.76 11.40	3.14
08 71 11 00-1463	EA		14" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	43.29 1.76 11.40	3.14
08 71 11 00-1464	EA		14" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	45.86 1.76 11.40	3.14
08 71 11 00-1465	EA		14" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	48.41 1.76 11.40	3.14
08 71 11 00-1466	EA		14" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.74 1.76 11.40	3.34
08 71 11 00-1467	EA		14" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.31 1.76 11.40	3.34
08 71 11 00-1468	EA		14" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.87 1.76 11.40	3.34
08 71 11 00-1469	EA		14" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.44 1.76 11.40	3.34



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1470 EA 14" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.79 1.76 11.40	3.54
08 71 11 00-1471 EA 14" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.32 1.76 11.40	3.54
08 71 11 00-1472 EA 14" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.89 1.76 11.40	3.54
08 71 11 00-1473 EA 14" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.25 1.76 11.40	3.73
08 71 11 00-1474 EA 14" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.81 1.76 11.40	3.73
08 71 11 00-1475 EA 14" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.38 1.76 11.40	3.73
08 71 11 00-1476 EA 16" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	46.86 1.76 11.40	3.14
08 71 11 00-1477 EA 16" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	50.13 1.76 11.40	3.14
08 71 11 00-1478 EA 16" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.26 1.76 11.40	3.14
08 71 11 00-1479 EA 16" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.39 1.76 11.40	3.14
08 71 11 00-1480 EA 16" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.30 1.76 11.40	3.34
08 71 11 00-1481 EA 16" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.44 1.76 11.40	3.34
08 71 11 00-1482 EA 16" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.57 1.76 11.40	3.34
08 71 11 00-1483 EA 16" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.69 1.76 11.40	3.34
08 71 11 00-1484 EA 16" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.60 1.76 11.40	3.54
08 71 11 00-1485 EA 16" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	76.75 1.76 11.40	3.54
08 71 11 00-1486 EA 16" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.89 1.76 11.40	3.54
08 71 11 00-1487 EA 16" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.06 1.76 11.40	3.73
08 71 11 00-1488 EA 16" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.92 1.76 11.40	3.73
08 71 11 00-1489 EA 16" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.06 1.76 11.40	3.73
08 71 11 00-1490 EA 18" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	50.43 6.30 11.40	3.14
08 71 11 00-1491 EA 18" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.89 6.30 11.40	3.14
08 71 11 00-1492 EA 18" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.32 6.30 11.40	3.14
08 71 11 00-1493 EA 18" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.76 6.30 11.40	3.14
08 71 11 00-1494 EA 18" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.00 6.30 11.40	3.34
08 71 11 00-1495 EA 18" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.43 6.30 11.40	3.34
08 71 11 00-1496 EA 18" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.87 6.30 11.40	3.34
08 71 11 00-1497 EA 18" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.30 6.30 11.40	3.34



**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1498	EA		18" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.54 6.30 11.40	3.54
08 71 11 00-1499	EA		18" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.98 6.30 11.40	3.54
08 71 11 00-1500	EA		18" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.41 6.30 11.40	3.54
08 71 11 00-1501	EA		18" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.65 6.30 11.40	3.73
08 71 11 00-1502	EA		18" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.11 6.30 11.40	3.73
08 71 11 00-1503	EA		18" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.54 6.30 11.40	3.73
08 71 11 00-1504	EA		20" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.43 6.30 11.40	3.34
08 71 11 00-1505	EA		20" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.25 6.30 11.40	3.34
08 71 11 00-1506	EA		20" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.09 6.30 11.40	3.34
08 71 11 00-1507	EA		20" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.89 6.30 11.40	3.34
08 71 11 00-1508	EA		20" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.51 6.30 11.40	3.54
08 71 11 00-1509	EA		20" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.34 6.30 11.40	3.54
08 71 11 00-1510	EA		20" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.14 6.30 11.40	3.54
08 71 11 00-1511	EA		20" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.98 6.30 11.40	3.54
08 71 11 00-1512	EA		20" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.59 6.30 11.40	3.73
08 71 11 00-1513	EA		20" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.42 6.30 11.40	3.73
08 71 11 00-1514	EA		20" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.26 6.30 11.40	3.73
08 71 11 00-1515	EA		20" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.85 6.30 11.40	3.93
08 71 11 00-1516	EA		20" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.69 6.30 11.40	3.93
08 71 11 00-1517	EA		20" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.51 6.30 11.40	3.93
08 71 11 00-1518	EA		22" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.63 6.30 11.40	3.34
08 71 11 00-1519	EA		22" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.86 6.30 11.40	3.34
08 71 11 00-1520	EA		22" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.04 6.30 11.40	3.34
08 71 11 00-1521	EA		22" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.27 6.30 11.40	3.34
08 71 11 00-1522	EA		22" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.23 6.30 11.40	3.54
08 71 11 00-1523	EA		22" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.45 6.30 11.40	3.54
08 71 11 00-1524	EA		22" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.65 6.30 11.40	3.54
08 71 11 00-1525	EA		22" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.86 6.30 11.40	3.54



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Hardware</b>	<b>08 70</b>	
<b>Door Hardware</b>	<b>08 71</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1526	EA		22" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.85 6.30 11.40	3.73
08 71 11 00-1527	EA		22" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.06 6.30 11.40	3.73
08 71 11 00-1528	EA		22" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.29 6.30 11.40	3.73
08 71 11 00-1529	EA		22" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	108.26 6.30 11.40	3.93
08 71 11 00-1530	EA		22" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.49 6.30 11.40	3.93
08 71 11 00-1531	EA		22" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.67 6.30 11.40	3.93
08 71 11 00-1532	EA		24" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.86 6.30 11.40	3.34
08 71 11 00-1533	EA		24" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.43 6.30 11.40	3.34
08 71 11 00-1534	EA		24" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.04 6.30 11.40	3.34
08 71 11 00-1535	EA		24" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.61 6.30 11.40	3.34
08 71 11 00-1536	EA		24" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.98 6.30 11.40	3.54
08 71 11 00-1537	EA		24" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.57 6.30 11.40	3.54
08 71 11 00-1538	EA		24" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	92.16 6.30 11.40	3.54
08 71 11 00-1539	EA		24" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.75 6.30 11.40	3.54
08 71 11 00-1540	EA		24" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	102.13 6.30 11.40	3.73
08 71 11 00-1541	EA		24" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.72 6.30 11.40	3.73
08 71 11 00-1542	EA		24" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	111.30 6.30 11.40	3.73
08 71 11 00-1543	EA		24" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.67 6.30 11.40	3.93
08 71 11 00-1544	EA		24" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	121.27 6.30 11.40	3.93
08 71 11 00-1545	EA		24" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.88 6.30 11.40	3.93
<b>08 71 11 00-1546</b>			<b>Bright Stainless Finish, Stainless Kick Plate</b> <small>(08 71 11 00-1418)</small>		
08 71 11 00-1547	EA		8" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	48.84 1.76 11.40	2.95
08 71 11 00-1548	EA		8" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	52.22 1.76 11.40	2.95
08 71 11 00-1549	EA		8" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.58 1.76 11.40	2.95
08 71 11 00-1550	EA		8" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.95 1.76 11.40	2.95
08 71 11 00-1551	EA		8" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.08 1.76 11.40	3.14
08 71 11 00-1552	EA		8" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.46 1.76 11.40	3.14
08 71 11 00-1553	EA		8" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.82 1.76 11.40	3.14

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1554	EA		8" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.20 1.76 11.40	3.14
08 71 11 00-1555	EA		8" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.33 1.76 11.40	3.34
08 71 11 00-1556	EA		8" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	80.72 1.76 11.40	3.34
08 71 11 00-1557	EA		8" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.10 1.76 11.40	3.34
08 71 11 00-1558	EA		8" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.24 1.76 11.40	3.54
08 71 11 00-1559	EA		8" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.61 1.76 11.40	3.54
08 71 11 00-1560	EA		8" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.96 1.76 11.40	3.54
08 71 11 00-1561	EA		10" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.10 1.76 11.40	2.95
08 71 11 00-1562	EA		10" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.30 1.76 11.40	2.95
08 71 11 00-1563	EA		10" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.53 1.76 11.40	2.95
08 71 11 00-1564	EA		10" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.74 1.76 11.40	2.95
08 71 11 00-1565	EA		10" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.72 1.76 11.40	3.14
08 71 11 00-1566	EA		10" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.93 1.76 11.40	3.14
08 71 11 00-1567	EA		10" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.15 1.76 11.40	3.14
08 71 11 00-1568	EA		10" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.37 1.76 11.40	3.14
08 71 11 00-1569	EA		10" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.35 1.76 11.40	3.34
08 71 11 00-1570	EA		10" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	97.56 1.76 11.40	3.34
08 71 11 00-1571	EA		10" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.79 1.76 11.40	3.34
08 71 11 00-1572	EA		10" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.75 1.76 11.40	3.54
08 71 11 00-1573	EA		10" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	110.98 1.76 11.40	3.54
08 71 11 00-1574	EA		10" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.19 1.76 11.40	3.54
08 71 11 00-1575	EA		12" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.35 1.76 11.40	2.95
08 71 11 00-1576	EA		12" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.42 1.76 11.40	2.95
08 71 11 00-1577	EA		12" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.48 1.76 11.40	2.95
08 71 11 00-1578	EA		12" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.53 1.76 11.40	2.95
08 71 11 00-1579	EA		12" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.37 1.76 11.40	3.14
08 71 11 00-1580	EA		12" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.39 1.76 11.40	3.14
08 71 11 00-1581	EA		12" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.46 1.76 11.40	3.14



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Hardware</b>	<b>08 70</b>	
<b>Door Hardware</b>	<b>08 71</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1582	EA		12" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.51 1.76 11.40	3.14
08 71 11 00-1583	EA		12" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	109.36 1.76 11.40	3.34
08 71 11 00-1584	EA		12" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.41 1.76 11.40	3.34
08 71 11 00-1585	EA		12" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.45 1.76 11.40	3.34
08 71 11 00-1586	EA		12" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.30 1.76 11.40	3.54
08 71 11 00-1587	EA		12" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.34 1.76 11.40	3.54
08 71 11 00-1588	EA		12" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	135.39 1.76 11.40	3.54
08 71 11 00-1589	EA		14" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.42 1.76 11.40	3.14
08 71 11 00-1590	EA		14" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	83.31 1.76 11.40	3.14
08 71 11 00-1591	EA		14" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.21 1.76 11.40	3.14
08 71 11 00-1592	EA		14" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	95.10 1.76 11.40	3.14
08 71 11 00-1593	EA		14" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.79 1.76 11.40	3.34
08 71 11 00-1594	EA		14" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.67 1.76 11.40	3.34
08 71 11 00-1595	EA		14" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	113.57 1.76 11.40	3.34
08 71 11 00-1596	EA		14" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.45 1.76 11.40	3.34
08 71 11 00-1597	EA		14" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	126.14 1.76 11.40	3.54
08 71 11 00-1598	EA		14" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.04 1.76 11.40	3.54
08 71 11 00-1599	EA		14" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	137.93 1.76 11.40	3.54
08 71 11 00-1600	EA		14" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	144.62 1.76 11.40	3.73
08 71 11 00-1601	EA		14" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	150.49 1.76 11.40	3.73
08 71 11 00-1602	EA		14" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	156.38 1.76 11.40	3.73
08 71 11 00-1603	EA		16" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.67 1.76 11.40	3.14
08 71 11 00-1604	EA		16" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.39 1.76 11.40	3.14
08 71 11 00-1605	EA		16" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.16 1.76 11.40	3.14
08 71 11 00-1606	EA		16" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	106.88 1.76 11.40	3.14
08 71 11 00-1607	EA		16" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	114.41 1.76 11.40	3.34
08 71 11 00-1608	EA		16" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	121.15 1.76 11.40	3.34
08 71 11 00-1609	EA		16" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	127.87 1.76 11.40	3.34

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1610	EA		16" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	134.61 1.76 11.40	3.34
08 71 11 00-1611	EA		16" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	142.13 1.76 11.40	3.54
08 71 11 00-1612	EA		16" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	148.86 1.76 11.40	3.54
08 71 11 00-1613	EA		16" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	155.59 1.76 11.40	3.54
08 71 11 00-1614	EA		16" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	163.12 1.76 11.40	3.73
08 71 11 00-1615	EA		16" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	169.88 1.76 11.40	3.73
08 71 11 00-1616	EA		16" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	176.61 1.76 11.40	3.73
08 71 11 00-1617	EA		18" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.92 6.30 11.40	3.14
08 71 11 00-1618	EA		18" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	104.62 6.30 11.40	3.14
08 71 11 00-1619	EA		18" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	112.26 6.30 11.40	3.14
08 71 11 00-1620	EA		18" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.95 6.30 11.40	3.14
08 71 11 00-1621	EA		18" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	128.41 6.30 11.40	3.34
08 71 11 00-1622	EA		18" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.05 6.30 11.40	3.34
08 71 11 00-1623	EA		18" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	143.75 6.30 11.40	3.34
08 71 11 00-1624	EA		18" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	155.77 6.30 11.40	3.34
08 71 11 00-1625	EA		18" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	159.86 6.30 11.40	3.54
08 71 11 00-1626	EA		18" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	167.53 6.30 11.40	3.54
08 71 11 00-1627	EA		18" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	175.20 6.30 11.40	3.54
08 71 11 00-1628	EA		18" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	183.66 6.30 11.40	3.73
08 71 11 00-1629	EA		18" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	191.33 6.30 11.40	3.73
08 71 11 00-1630	EA		18" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	198.99 6.30 11.40	3.73
08 71 11 00-1631	EA		20" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	107.11 6.30 11.40	3.34
08 71 11 00-1632	EA		20" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	115.62 6.30 11.40	3.34
08 71 11 00-1633	EA		20" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.14 6.30 11.40	3.34
08 71 11 00-1634	EA		20" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.65 6.30 11.40	3.34
08 71 11 00-1635	EA		20" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	141.96 6.30 11.40	3.54
08 71 11 00-1636	EA		20" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	150.50 6.30 11.40	3.54
08 71 11 00-1637	EA		20" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.99 6.30 11.40	3.54



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Hardware</b>	<b>08 70</b>	
<b>Door Hardware</b>	<b>08 71</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1638	EA		20" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	167.53 6.30 11.40	3.54
08 71 11 00-1639	EA		20" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	176.82 6.30 11.40	3.73
08 71 11 00-1640	EA		20" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	185.36 6.30 11.40	3.73
08 71 11 00-1641	EA		20" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	193.88 6.30 11.40	3.73
08 71 11 00-1642	EA		20" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	203.18 6.30 11.40	3.93
08 71 11 00-1643	EA		20" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	211.71 6.30 11.40	3.93
08 71 11 00-1644	EA		20" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	220.22 6.30 11.40	3.93
08 71 11 00-1645	EA		22" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	116.47 6.30 11.40	3.34
08 71 11 00-1646	EA		22" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.84 6.30 11.40	3.34
08 71 11 00-1647	EA		22" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	135.21 6.30 11.40	3.34
08 71 11 00-1648	EA		22" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	144.58 6.30 11.40	3.34
08 71 11 00-1649	EA		22" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	154.74 6.30 11.40	3.54
08 71 11 00-1650	EA		22" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	164.12 6.30 11.40	3.54
08 71 11 00-1651	EA		22" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	173.50 6.30 11.40	3.54
08 71 11 00-1652	EA		22" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	182.87 6.30 11.40	3.54
08 71 11 00-1653	EA		22" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	193.03 6.30 11.40	3.73
08 71 11 00-1654	EA		22" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	202.39 6.30 11.40	3.73
08 71 11 00-1655	EA		22" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	211.76 6.30 11.40	3.73
08 71 11 00-1656	EA		22" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	221.92 6.30 11.40	3.93
08 71 11 00-1657	EA		22" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	231.31 6.30 11.40	3.93
08 71 11 00-1658	EA		22" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	240.68 6.30 11.40	3.93
08 71 11 00-1659	EA		24" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.84 6.30 11.40	3.34
08 71 11 00-1660	EA		24" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	136.05 6.30 11.40	3.34
08 71 11 00-1661	EA		24" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	146.29 6.30 11.40	3.34
08 71 11 00-1662	EA		24" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	156.51 6.30 11.40	3.34
08 71 11 00-1663	EA		24" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	167.53 6.30 11.40	3.54
08 71 11 00-1664	EA		24" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	177.74 6.30 11.40	3.54
08 71 11 00-1665	EA		24" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	187.97 6.30 11.40	3.54

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1666	EA		24" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	198.20	3.54
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1667	EA		24" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	209.22	3.73
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1668	EA		24" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	219.43	3.73
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1669	EA		24" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	229.67	3.73
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1670	EA		24" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	240.68	3.93
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1671	EA		24" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	250.92	3.93
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1672	EA		24" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate.....	261.13	3.93
			<i>For Four Beveled Edges, Add</i>	6.30	
			<i>For UL Label (Fire Rated), Add</i>	11.40	

**08 71 11 00-1673 Plastic Kick Plate (08 71 11 00-0780)****08 71 11 00-1674 Clear Or Black Finish, Plastic Kick Plate (08 71 11 00-1673)**

Note: With four beveled edges.

08 71 11 00-1675	EA		8" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	23.71	2.95
08 71 11 00-1676	EA		8" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	24.77	2.95
08 71 11 00-1677	EA		8" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	25.88	2.95
08 71 11 00-1678	EA		8" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	26.96	2.95
08 71 11 00-1679	EA		8" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	28.83	3.14
08 71 11 00-1680	EA		8" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	29.91	3.14
08 71 11 00-1681	EA		8" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	30.97	3.14
08 71 11 00-1682	EA		8" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	32.08	3.14
08 71 11 00-1683	EA		8" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	35.26	3.34
08 71 11 00-1684	EA		8" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	35.01	3.34
08 71 11 00-1685	EA		8" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	36.12	3.34
08 71 11 00-1686	EA		8" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	37.97	3.54
08 71 11 00-1687	EA		8" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	39.07	3.54
08 71 11 00-1688	EA		8" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	40.14	3.54
08 71 11 00-1689	EA		10" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	26.68	2.95
08 71 11 00-1690	EA		10" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	28.05	2.95
08 71 11 00-1691	EA		10" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	29.39	2.95
08 71 11 00-1692	EA		10" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	30.73	2.95
08 71 11 00-1693	EA		10" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	32.88	3.14
08 71 11 00-1694	EA		10" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	34.22	3.14
08 71 11 00-1695	EA		10" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	35.59	3.14
08 71 11 00-1696	EA		10" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	36.93	3.14
08 71 11 00-1697	EA		10" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	39.09	3.34
08 71 11 00-1698	EA		10" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	40.43	3.34
08 71 11 00-1699	EA		10" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	41.80	3.34
08 71 11 00-1700	EA		10" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	43.92	3.54
08 71 11 00-1701	EA		10" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	45.29	3.54
08 71 11 00-1702	EA		10" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	46.63	3.54
08 71 11 00-1703	EA		12" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	29.67	2.95
08 71 11 00-1704	EA		12" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	31.30	2.95
08 71 11 00-1705	EA		12" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	32.90	2.95
08 71 11 00-1706	EA		12" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	34.55	2.95
08 71 11 00-1707	EA		12" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	36.93	3.14
08 71 11 00-1708	EA		12" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	38.57	3.14
08 71 11 00-1709	EA		12" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	40.21	3.14
08 71 11 00-1710	EA		12" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	41.82	3.14
08 71 11 00-1711	EA		12" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	44.22	3.34
08 71 11 00-1712	EA		12" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	45.85	3.34
08 71 11 00-1713	EA		12" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	47.49	3.34
08 71 11 00-1714	EA		12" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	49.88	3.54
08 71 11 00-1715	EA		12" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	51.52	3.54
08 71 11 00-1716	EA		12" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	53.13	3.54
08 71 11 00-1717	EA		14" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	33.42	3.14
08 71 11 00-1718	EA		14" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	35.33	3.14
08 71 11 00-1719	EA		14" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	37.21	3.14
08 71 11 00-1720	EA		14" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	39.11	3.14
08 71 11 00-1721	EA		14" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	41.80	3.34
08 71 11 00-1722	EA		14" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	43.68	3.34
08 71 11 00-1723	EA		14" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	45.59	3.34
08 71 11 00-1724	EA		14" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	47.49	3.34
08 71 11 00-1725	EA		14" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	50.15	3.54
08 71 11 00-1726	EA		14" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	52.06	3.54
08 71 11 00-1727	EA		14" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	53.96	3.54
08 71 11 00-1728	EA		14" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	56.63	3.73
08 71 11 00-1729	EA		14" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	58.53	3.73
08 71 11 00-1730	EA		14" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	60.41	3.73



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1731 EA 16" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	39.97	3.14
08 71 11 00-1732 EA 16" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	42.47	3.14
08 71 11 00-1733 EA 16" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	44.93	3.14
08 71 11 00-1734 EA 16" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	47.43	3.14
08 71 11 00-1735 EA 16" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	50.72	3.34
08 71 11 00-1736 EA 16" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	53.20	3.34
08 71 11 00-1737 EA 16" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	55.70	3.34
08 71 11 00-1738 EA 16" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	58.17	3.34
08 71 11 00-1739 EA 16" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	61.45	3.54
08 71 11 00-1740 EA 16" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	63.94	3.54
08 71 11 00-1741 EA 16" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	66.44	3.54
08 71 11 00-1742 EA 16" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	69.73	3.73
08 71 11 00-1743 EA 16" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	72.19	3.73
08 71 11 00-1744 EA 16" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	74.69	3.73
08 71 11 00-1745 EA 18" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	43.38	3.14
08 71 11 00-1746 EA 18" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	46.19	3.14
08 71 11 00-1747 EA 18" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	48.98	3.14
08 71 11 00-1748 EA 18" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	51.79	3.14
08 71 11 00-1749 EA 18" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	117.56	3.34
08 71 11 00-1750 EA 18" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	58.17	3.34
08 71 11 00-1751 EA 18" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	60.99	3.34
08 71 11 00-1752 EA 18" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	63.78	3.34
08 71 11 00-1753 EA 18" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	67.37	3.54
08 71 11 00-1754 EA 18" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	70.17	3.54
08 71 11 00-1755 EA 18" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	72.96	3.54
08 71 11 00-1756 EA 18" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	76.57	3.73
08 71 11 00-1757 EA 18" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	79.36	3.73
08 71 11 00-1758 EA 18" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	82.17	3.73
08 71 11 00-1759 EA 20" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	47.60	3.34
08 71 11 00-1760 EA 20" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	50.72	3.34
08 71 11 00-1761 EA 20" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	53.82	3.34
08 71 11 00-1762 EA 20" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	56.94	3.34
08 71 11 00-1763 EA 20" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	60.83	3.54
08 71 11 00-1764 EA 20" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	63.94	3.54
08 71 11 00-1765 EA 20" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	67.06	3.54
08 71 11 00-1766 EA 20" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	70.17	3.54
08 71 11 00-1767 EA 20" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	74.07	3.73
08 71 11 00-1768 EA 20" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	77.18	3.73
08 71 11 00-1769 EA 20" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	80.29	3.73
08 71 11 00-1770 EA 20" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	84.20	3.93
08 71 11 00-1771 EA 20" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	87.31	3.93
08 71 11 00-1772 EA 20" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	90.42	3.93
08 71 11 00-1773 EA 22" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	51.03	3.34
08 71 11 00-1774 EA 22" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	54.44	3.34
08 71 11 00-1775 EA 22" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	57.87	3.34
08 71 11 00-1776 EA 22" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	61.28	3.34
08 71 11 00-1777 EA 22" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	65.50	3.54
08 71 11 00-1778 EA 22" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	68.94	3.54
08 71 11 00-1779 EA 22" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	72.34	3.54
08 71 11 00-1780 EA 22" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	75.78	3.54
08 71 11 00-1781 EA 22" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	79.97	3.73
08 71 11 00-1782 EA 22" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	83.41	3.73
08 71 11 00-1783 EA 22" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	86.84	3.73
08 71 11 00-1784 EA 22" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	91.04	3.93
08 71 11 00-1785 EA 22" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	94.47	3.93
08 71 11 00-1786 EA 22" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	97.88	3.93
08 71 11 00-1787 EA 24" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	54.44	3.34
08 71 11 00-1788 EA 24" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	58.17	3.34
08 71 11 00-1789 EA 24" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	61.92	3.34
08 71 11 00-1790 EA 24" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	65.66	3.34
08 71 11 00-1791 EA 24" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	70.17	3.54
08 71 11 00-1792 EA 24" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	73.90	3.54
08 71 11 00-1793 EA 24" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	77.63	3.54
08 71 11 00-1794 EA 24" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	81.38	3.54
08 71 11 00-1795 EA 24" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	85.91	3.73
08 71 11 00-1796 EA 24" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	89.63	3.73
08 71 11 00-1797 EA 24" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	93.36	3.73
08 71 11 00-1798 EA 24" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	97.88	3.93
08 71 11 00-1799 EA 24" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	101.64	3.93
08 71 11 00-1800 EA 24" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	105.37	3.93

**08 71 11 00-1801**

**Armor Door Plate** (08 71 11 00-0779)

Note: Size ranges of 26" to 48" high, 22" to 48" wide. Ives 8400.

08 71 11 00-1802 SF 4 to 8 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate .....	14.05	0.49
08 71 11 00-1803 SF >8 to 16 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate .....	13.61	0.39
08 71 11 00-1804 SF 4 to 8 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate .....	15.74	0.49
08 71 11 00-1805 SF >8 to 16 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate .....	15.30	0.39
08 71 11 00-1806 SF 4 to 8 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate .....	32.65	0.49
08 71 11 00-1807 SF >8 to 16 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate .....	32.21	0.39



**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1808			Mop Plate (08 71 11 00-0779) Note: Ives 8400.		
08 71 11 00-1809			Aluminum Base Material Mop Plate (08 71 11 00-1808)		
08 71 11 00-1810			Satin Aluminum Finish, Aluminum Mop Plate (08 71 11 00-1809)		
08 71 11 00-1811	EA		4" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate ..... For Four Beveled Edges, Add ..... For UL Label (Fire Rated), Add .....	19.77 1.76 11.40	2.87
08 71 11 00-1812	EA		4" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate ..... For Four Beveled Edges, Add ..... For UL Label (Fire Rated), Add .....	20.54 1.76 11.40	2.87
08 71 11 00-1813	EA		4" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate ..... For Four Beveled Edges, Add ..... For UL Label (Fire Rated), Add .....	21.28 1.76 11.40	2.87
08 71 11 00-1814	EA		4" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate ..... For Four Beveled Edges, Add ..... For UL Label (Fire Rated), Add .....	22.05 1.76 11.40	2.87
08 71 11 00-1815	EA		4" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate ..... For Four Beveled Edges, Add ..... For UL Label (Fire Rated), Add .....	23.30 1.76 11.40	2.99
08 71 11 00-1816	EA		4" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate ..... For Four Beveled Edges, Add ..... For UL Label (Fire Rated), Add .....	24.04 1.76 11.40	2.99
08 71 11 00-1817	EA		4" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate ..... For Four Beveled Edges, Add ..... For UL Label (Fire Rated), Add .....	24.81 1.76 11.40	2.99
08 71 11 00-1818	EA		4" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate ..... For Four Beveled Edges, Add ..... For UL Label (Fire Rated), Add .....	25.55 1.76 11.40	2.99
08 71 11 00-1819	EA		4" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate ..... For Four Beveled Edges, Add ..... For UL Label (Fire Rated), Add .....	26.98 1.76 11.40	3.14
08 71 11 00-1820	EA		4" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate ..... For Four Beveled Edges, Add ..... For UL Label (Fire Rated), Add .....	27.73 1.76 11.40	3.14
08 71 11 00-1821	EA		4" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate ..... For Four Beveled Edges, Add ..... For UL Label (Fire Rated), Add .....	28.49 1.76 11.40	3.14
08 71 11 00-1822	EA		4" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate ..... For Four Beveled Edges, Add ..... For UL Label (Fire Rated), Add .....	30.03 1.76 11.40	3.34
08 71 11 00-1823	EA		4" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate ..... For Four Beveled Edges, Add ..... For UL Label (Fire Rated), Add .....	30.80 1.76 11.40	3.34
08 71 11 00-1824	EA		4" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate ..... For Four Beveled Edges, Add ..... For UL Label (Fire Rated), Add .....	31.54 1.76 11.40	3.34
08 71 11 00-1825	EA		6" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate ..... For Four Beveled Edges, Add ..... For UL Label (Fire Rated), Add .....	23.93 1.76 11.40	2.87
08 71 11 00-1826	EA		6" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate ..... For Four Beveled Edges, Add ..... For UL Label (Fire Rated), Add .....	25.07 1.76 11.40	2.87
08 71 11 00-1827	EA		6" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate ..... For Four Beveled Edges, Add ..... For UL Label (Fire Rated), Add .....	26.21 1.76 11.40	2.87
08 71 11 00-1828	EA		6" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate ..... For Four Beveled Edges, Add ..... For UL Label (Fire Rated), Add .....	27.35 1.76 11.40	2.87
08 71 11 00-1829	EA		6" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate ..... For Four Beveled Edges, Add ..... For UL Label (Fire Rated), Add .....	28.97 1.76 11.40	2.99
08 71 11 00-1830	EA		6" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate ..... For Four Beveled Edges, Add ..... For UL Label (Fire Rated), Add .....	30.09 1.76 11.40	2.99
08 71 11 00-1831	EA		6" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate ..... For Four Beveled Edges, Add ..... For UL Label (Fire Rated), Add .....	31.25 1.76 11.40	2.99
08 71 11 00-1832	EA		6" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate ..... For Four Beveled Edges, Add ..... For UL Label (Fire Rated), Add .....	32.37 1.76 11.40	2.99
08 71 11 00-1833	EA		6" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate ..... For Four Beveled Edges, Add ..... For UL Label (Fire Rated), Add .....	34.18 1.76 11.40	3.14
08 71 11 00-1834	EA		6" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate ..... For Four Beveled Edges, Add ..... For UL Label (Fire Rated), Add .....	35.31 1.76 11.40	3.14
08 71 11 00-1835	EA		6" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate ..... For Four Beveled Edges, Add ..... For UL Label (Fire Rated), Add .....	36.46 1.76 11.40	3.14
08 71 11 00-1836	EA		6" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate ..... For Four Beveled Edges, Add ..... For UL Label (Fire Rated), Add .....	38.38 1.76 11.40	3.34



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1837	EA		6" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	39.53 1.76 11.40	3.34
08 71 11 00-1838	EA		6" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	40.65 1.76 11.40	3.34
<b>08 71 11 00-1839</b>			<b>Brass Base Material Mop Plate</b> <small>(08 71 11 00-1808)</small>		
<b>08 71 11 00-1840</b>			<b>Bright/Satin Brass Finish, Brass Mop Plate</b> <small>(08 71 11 00-1839)</small>		
08 71 11 00-1841	EA		4" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	35.77 1.76 11.40	2.87
08 71 11 00-1842	EA		4" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	38.01 1.76 11.40	2.87
08 71 11 00-1843	EA		4" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	40.21 1.76 11.40	2.87
08 71 11 00-1844	EA		4" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	42.44 1.76 11.40	2.87
08 71 11 00-1845	EA		4" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	45.12 1.76 11.40	2.99
08 71 11 00-1846	EA		4" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	47.33 1.76 11.40	2.99
08 71 11 00-1847	EA		4" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	49.55 1.76 11.40	2.99
08 71 11 00-1848	EA		4" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.76 1.76 11.40	2.99
08 71 11 00-1849	EA		4" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.64 1.76 11.40	3.14
08 71 11 00-1850	EA		4" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.85 1.76 11.40	3.14
08 71 11 00-1851	EA		4" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.06 1.76 11.40	3.14
08 71 11 00-1852	EA		4" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.07 1.76 11.40	3.34
08 71 11 00-1853	EA		4" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.28 1.76 11.40	3.34
08 71 11 00-1854	EA		4" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.51 1.76 11.40	3.34
08 71 11 00-1855	EA		6" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	47.97 1.76 11.40	2.87
08 71 11 00-1856	EA		6" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.28 1.76 11.40	2.87
08 71 11 00-1857	EA		6" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.61 1.76 11.40	2.87
08 71 11 00-1858	EA		6" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.92 1.76 11.40	2.87
08 71 11 00-1859	EA		6" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	61.72 1.76 11.40	2.99
08 71 11 00-1860	EA		6" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.06 1.76 11.40	2.99
08 71 11 00-1861	EA		6" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.36 1.76 11.40	2.99
08 71 11 00-1862	EA		6" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.70 1.76 11.40	2.99
08 71 11 00-1863	EA		6" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.66 1.76 11.40	3.14
08 71 11 00-1864	EA		6" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.00 1.76 11.40	3.14

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1865	EA		6" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.32 1.76 11.40	3.14
08 71 11 00-1866	EA		6" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.43 1.76 11.40	3.34
08 71 11 00-1867	EA		6" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	89.75 1.76 11.40	3.34
08 71 11 00-1868	EA		6" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.06 1.76 11.40	3.34
<b>08 71 11 00-1869</b>			<b>Bright/Satin Chrome Finish, Brass Mop Plate</b> (08 71 11 00-1839)		
08 71 11 00-1870	EA		4" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	38.08 1.76 11.40	2.87
08 71 11 00-1871	EA		4" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	40.49 1.76 11.40	2.87
08 71 11 00-1872	EA		4" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	42.92 1.76 11.40	2.87
08 71 11 00-1873	EA		4" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	45.34 1.76 11.40	2.87
08 71 11 00-1874	EA		4" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	48.23 1.76 11.40	2.99
08 71 11 00-1875	EA		4" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	50.66 1.76 11.40	2.99
08 71 11 00-1876	EA		4" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.08 1.76 11.40	2.99
08 71 11 00-1877	EA		4" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.49 1.76 11.40	2.99
08 71 11 00-1878	EA		4" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.58 1.76 11.40	3.14
08 71 11 00-1879	EA		4" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	61.02 1.76 11.40	3.14
08 71 11 00-1880	EA		4" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.44 1.76 11.40	3.14
08 71 11 00-1881	EA		4" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.66 1.76 11.40	3.34
08 71 11 00-1882	EA		4" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.07 1.76 11.40	3.34
08 71 11 00-1883	EA		4" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.50 1.76 11.40	3.34
08 71 11 00-1884	EA		6" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.40 1.76 11.40	2.87
08 71 11 00-1885	EA		6" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.01 1.76 11.40	2.87
08 71 11 00-1886	EA		6" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	58.66 1.76 11.40	2.87
08 71 11 00-1887	EA		6" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.30 1.76 11.40	2.87
08 71 11 00-1888	EA		6" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.40 1.76 11.40	2.99
08 71 11 00-1889	EA		6" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.05 1.76 11.40	2.99
08 71 11 00-1890	EA		6" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.66 1.76 11.40	2.99
08 71 11 00-1891	EA		6" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.31 1.76 11.40	2.99
08 71 11 00-1892	EA		6" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	81.61 1.76 11.40	3.14



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Hardware</b>	<b>08 70</b>	
<b>Door Hardware</b>	<b>08 71</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1893	EA		6" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	85.23 1.76 11.40	3.14
08 71 11 00-1894	EA		6" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	88.87 1.76 11.40	3.14
08 71 11 00-1895	EA		6" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	93.28 1.76 11.40	3.34
08 71 11 00-1896	EA		6" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.93 1.76 11.40	3.34
08 71 11 00-1897	EA		6" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	100.56 1.76 11.40	3.34
<b>08 71 11 00-1898</b>			<b>Satin/Dark Bronze Finish, Brass Mop Plate</b> <small>(08 71 11 00-1898)</small>		
08 71 11 00-1898	EA		4" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	38.52 1.76 11.40	2.87
08 71 11 00-1900	EA		4" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	40.97 1.76 11.40	2.87
08 71 11 00-1901	EA		4" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	43.44 1.76 11.40	2.87
08 71 11 00-1902	EA		4" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	45.89 1.76 11.40	2.87
08 71 11 00-1903	EA		4" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	48.84 1.76 11.40	2.99
08 71 11 00-1904	EA		4" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	51.31 1.76 11.40	2.99
08 71 11 00-1905	EA		4" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	53.78 1.76 11.40	2.99
08 71 11 00-1906	EA		4" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.25 1.76 11.40	2.99
08 71 11 00-1907	EA		4" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.35 1.76 11.40	3.14
08 71 11 00-1908	EA		4" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	61.82 1.76 11.40	3.14
08 71 11 00-1909	EA		4" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.29 1.76 11.40	3.14
08 71 11 00-1910	EA		4" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.55 1.76 11.40	3.34
08 71 11 00-1911	EA		4" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.01 1.76 11.40	3.34
08 71 11 00-1912	EA		4" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.45 1.76 11.40	3.34
08 71 11 00-1913	EA		6" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	52.05 1.76 11.40	2.87
08 71 11 00-1914	EA		6" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	55.77 1.76 11.40	2.87
08 71 11 00-1915	EA		6" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	59.46 1.76 11.40	2.87
08 71 11 00-1916	EA		6" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	70.34 1.76 11.40	2.87
08 71 11 00-1917	EA		6" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	67.32 1.76 11.40	2.99
08 71 11 00-1918	EA		6" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.00 1.76 11.40	2.99
08 71 11 00-1919	EA		6" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	74.69 1.76 11.40	2.99
08 71 11 00-1920	EA		6" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	78.38 1.76 11.40	2.99

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1921	EA		6" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	82.76 1.76 11.40	3.14
08 71 11 00-1922	EA		6" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	86.45 1.76 11.40	3.14
08 71 11 00-1923	EA		6" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	90.14 1.76 11.40	3.14
08 71 11 00-1924	EA		6" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	94.62 1.76 11.40	3.34
08 71 11 00-1925	EA		6" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	98.30 1.76 11.40	3.34
08 71 11 00-1926	EA		6" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	101.99 1.76 11.40	3.34
<b>08 71 11 00-1927 Satin Nickel Finish, Brass Mop Plate</b> <small>(08 71 11 00-1839)</small>					
08 71 11 00-1928	EA		4" x 22", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	39.04 1.76 11.40	2.87
08 71 11 00-1929	EA		4" x 24", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	41.52 1.76 11.40	2.87
08 71 11 00-1930	EA		4" x 26", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	44.05 1.76 11.40	2.87
08 71 11 00-1931	EA		4" x 28", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	46.56 1.76 11.40	2.87
08 71 11 00-1932	EA		4" x 30", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	49.55 1.76 11.40	2.99
08 71 11 00-1933	EA		4" x 32", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	52.05 1.76 11.40	2.99
08 71 11 00-1934	EA		4" x 34", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.56 1.76 11.40	2.99
08 71 11 00-1935	EA		4" x 36", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.08 1.76 11.40	2.99
08 71 11 00-1936	EA		4" x 38", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.26 1.76 11.40	3.14
08 71 11 00-1937	EA		4" x 40", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	62.76 1.76 11.40	3.14
08 71 11 00-1938	EA		4" x 42", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	65.26 1.76 11.40	3.14
08 71 11 00-1939	EA		4" x 44", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.58 1.76 11.40	3.34
08 71 11 00-1940	EA		4" x 46", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	71.09 1.76 11.40	3.34
08 71 11 00-1941	EA		4" x 48", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	73.57 1.76 11.40	3.34
08 71 11 00-1942	EA		6" x 22", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	52.84 1.76 11.40	2.87
08 71 11 00-1943	EA		6" x 24", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.60 1.76 11.40	2.87
08 71 11 00-1944	EA		6" x 26", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.36 1.76 11.40	2.87
08 71 11 00-1945	EA		6" x 28", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	64.12 1.76 11.40	2.87
08 71 11 00-1946	EA		6" x 30", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	68.36 1.76 11.40	2.99
08 71 11 00-1947	EA		6" x 32", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.12 1.76 11.40	2.99
08 71 11 00-1948	EA		6" x 34", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.88 1.76 11.40	2.99



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1949	EA		6" x 36", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	79.66 1.76 11.40	2.99
08 71 11 00-1950	EA		6" x 38", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	84.08 1.76 11.40	3.14
08 71 11 00-1951	EA		6" x 40", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	87.86 1.76 11.40	3.14
08 71 11 00-1952	EA		6" x 42", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	91.62 1.76 11.40	3.14
08 71 11 00-1953	EA		6" x 44", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	96.17 1.76 11.40	3.34
08 71 11 00-1954	EA		6" x 46", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	99.93 1.76 11.40	3.34
08 71 11 00-1955	EA		6" x 48", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	103.71 1.76 11.40	3.34
<b>08 71 11 00-1956    Stainless Base Material Mop Plate (08 71 11 00-1808)</b>					
<b>08 71 11 00-1957    Satin Stainless Finish, Stainless Mop Plate (08 71 11 00-1956)</b>					
08 71 11 00-1958	EA		4" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	20.30 1.76 11.40	2.87
08 71 11 00-1959	EA		4" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	21.09 1.76 11.40	2.87
08 71 11 00-1960	EA		4" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	21.90 1.76 11.40	2.87
08 71 11 00-1961	EA		4" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	22.70 1.76 11.40	2.87
08 71 11 00-1962	EA		4" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	23.99 1.76 11.40	2.99
08 71 11 00-1963	EA		4" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	24.81 1.76 11.40	2.99
08 71 11 00-1964	EA		4" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	25.59 1.76 11.40	2.99
08 71 11 00-1965	EA		4" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	26.40 1.76 11.40	2.99
08 71 11 00-1966	EA		4" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	27.86 1.76 11.40	3.14
08 71 11 00-1967	EA		4" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	28.68 1.76 11.40	3.14
08 71 11 00-1968	EA		4" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	29.49 1.76 11.40	3.14
08 71 11 00-1969	EA		4" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	31.06 1.76 11.40	3.34
08 71 11 00-1970	EA		4" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	31.88 1.76 11.40	3.34
08 71 11 00-1971	EA		4" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	32.68 1.76 11.40	3.34
08 71 11 00-1972	EA		6" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	24.70 1.76 11.40	2.87
08 71 11 00-1973	EA		6" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	25.92 1.76 11.40	2.87
08 71 11 00-1974	EA		6" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	27.13 1.76 11.40	2.87
08 71 11 00-1975	EA		6" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	28.35 1.76 11.40	2.87
08 71 11 00-1976	EA		6" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	30.02 1.76 11.40	2.99

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1977	EA		6" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	31.23 1.76 11.40	2.99
08 71 11 00-1978	EA		6" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	32.45 1.76 11.40	2.99
08 71 11 00-1979	EA		6" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	33.65 1.76 11.40	2.99
08 71 11 00-1980	EA		6" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	35.53 1.76 11.40	3.14
08 71 11 00-1981	EA		6" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	36.72 1.76 11.40	3.14
08 71 11 00-1982	EA		6" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	37.93 1.76 11.40	3.14
08 71 11 00-1983	EA		6" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	39.94 1.76 11.40	3.34
08 71 11 00-1984	EA		6" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	41.13 1.76 11.40	3.34
08 71 11 00-1985	EA		6" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	42.35 1.76 11.40	3.34
<b>08 71 11 00-1986 Bright Stainless Finish, Stainless Mop Plate</b> <small>(08 71 11 00-1986)</small>					
08 71 11 00-1987	EA		4" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	31.12 1.76 11.40	2.87
08 71 11 00-1988	EA		4" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	32.92 1.76 11.40	2.87
08 71 11 00-1989	EA		4" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	34.72 1.76 11.40	2.87
08 71 11 00-1990	EA		4" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	36.50 1.76 11.40	2.87
08 71 11 00-1991	EA		4" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	38.78 1.76 11.40	2.99
08 71 11 00-1992	EA		4" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	40.56 1.76 11.40	2.99
08 71 11 00-1993	EA		4" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	42.36 1.76 11.40	2.99
08 71 11 00-1994	EA		4" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	44.17 1.76 11.40	2.99
08 71 11 00-1995	EA		4" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	46.60 1.76 11.40	3.14
08 71 11 00-1996	EA		4" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	48.40 1.76 11.40	3.14
08 71 11 00-1997	EA		4" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	50.20 1.76 11.40	3.14
08 71 11 00-1998	EA		4" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	52.78 1.76 11.40	3.34
08 71 11 00-1999	EA		4" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.58 1.76 11.40	3.34
08 71 11 00-2000	EA		4" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	56.35 1.76 11.40	3.34
08 71 11 00-2001	EA		6" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	40.97 1.76 11.40	2.87
08 71 11 00-2002	EA		6" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	43.69 1.76 11.40	2.87
08 71 11 00-2003	EA		6" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	46.37 1.76 11.40	2.87
08 71 11 00-2004	EA		6" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	49.06 1.76 11.40	2.87



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2005 EA 6" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	52.21 1.76 11.40	2.99
08 71 11 00-2006 EA 6" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	54.90 1.76 11.40	2.99
08 71 11 00-2007 EA 6" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	57.58 1.76 11.40	2.99
08 71 11 00-2008 EA 6" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	60.27 1.76 11.40	2.99
08 71 11 00-2009 EA 6" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	63.63 1.76 11.40	3.14
08 71 11 00-2010 EA 6" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	66.32 1.76 11.40	3.14
08 71 11 00-2011 EA 6" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	69.01 1.76 11.40	3.14
08 71 11 00-2012 EA 6" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	72.48 1.76 11.40	3.34
08 71 11 00-2013 EA 6" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	75.16 1.76 11.40	3.34
08 71 11 00-2014 EA 6" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	77.84 1.76 11.40	3.34
<b>08 71 11 00-2015 Plastic Mop Plate</b> <small>(08 71 11 00-1808)</small>		
<b>08 71 11 00-2016 Clear Or Black Finish, Plastic Mop Plate</b> <small>(08 71 11 00-2015)</small> Note: With four beveled edges.		
08 71 11 00-2017 EA 4" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	18.81	2.87
08 71 11 00-2018 EA 4" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	19.48	2.87
08 71 11 00-2019 EA 4" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	20.16	2.87
08 71 11 00-2020 EA 4" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	20.83	2.87
08 71 11 00-2021 EA 4" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	21.97	2.99
08 71 11 00-2022 EA 4" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	22.64	2.99
08 71 11 00-2023 EA 4" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	23.31	2.99
08 71 11 00-2024 EA 4" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	23.99	2.99
08 71 11 00-2025 EA 4" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	25.32	3.14
08 71 11 00-2026 EA 4" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	25.99	3.14
08 71 11 00-2027 EA 4" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	26.66	3.14
08 71 11 00-2028 EA 4" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	28.12	3.34
08 71 11 00-2029 EA 4" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	28.80	3.34
08 71 11 00-2030 EA 4" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	29.47	3.34
08 71 11 00-2031 EA 6" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	22.50	2.87
08 71 11 00-2032 EA 6" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	23.51	2.87
08 71 11 00-2033 EA 6" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	24.52	2.87
08 71 11 00-2034 EA 6" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	25.52	2.87
08 71 11 00-2035 EA 6" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	27.01	2.99
08 71 11 00-2036 EA 6" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	28.02	2.99
08 71 11 00-2037 EA 6" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	29.02	2.99
08 71 11 00-2038 EA 6" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	30.02	2.99
08 71 11 00-2039 EA 6" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	31.70	3.14
08 71 11 00-2040 EA 6" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate..... Note: 4 sides beveled.	32.70	3.14



**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2041	EA		6" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	33.70	3.14
08 71 11 00-2042	EA		6" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	35.51	3.34
08 71 11 00-2043	EA		6" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	36.51	3.34
08 71 11 00-2044	EA		6" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	37.51	3.34
<b>08 71 11 00-2045</b>			<b>Pull Handle And Plates</b> (08 71 11 00-0779)		
<b>08 71 11 00-2046</b>			<b>Pull Handle</b> (08 71 11 00-2045)		
08 71 11 00-2047	EA		3/4" Diameter, 6" Center to Center, Aluminum Door Pulls (Ives 8102HD-6)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	25.16 5.12 6.95	3.24
08 71 11 00-2048	EA		3/4" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8102HD-8)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	26.74 5.78 7.85	3.24
08 71 11 00-2049	EA		3/4" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8102HD-10)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	29.23 6.83 9.27	3.24
08 71 11 00-2050	EA		1" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8103HD-8)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	30.62 7.41 10.06	3.24
08 71 11 00-2051	EA		1" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8103HD-10)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	33.12 8.46 11.49	3.24
08 71 11 00-2052	EA		1" Diameter, 12" Center to Center, Aluminum Door Pulls (Ives 8103HD-12)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	36.36 9.82 13.33	3.24
08 71 11 00-2053	EA		1" Flattened x 1/2" Round, 6" Center To Center, Aluminum Door Pulls (Ives 8105-6)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	26.86 5.83 7.92	3.24
08 71 11 00-2054	EA		1" Flattened x 1/2" Round, 8" Center To Center, Aluminum Door Pulls (Ives 8105-8)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	30.31 7.28 9.88	3.24
08 71 11 00-2055	EA		1" Flattened x 1/2" Round, 10" Center To Center, Aluminum Door Pulls (Ives 8105-10)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	30.88 7.52 10.21	3.24
08 71 11 00-2056	EA		1" Diameter, 8" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-8) ..... <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Brass, Add</i>	65.73 9.97 9.18	3.24
08 71 11 00-2057	EA		1" Diameter, 10" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-0) ..... <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Brass, Add</i>	67.87 10.38 9.55	3.24
08 71 11 00-2058	EA		1" Diameter, 12" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-2) ..... <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Brass, Add</i>	72.16 11.19 10.30	3.24
08 71 11 00-2059	EA		1" Diameter, 18" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-18) ..... <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Brass, Add</i>	97.01 15.88 14.62	3.24
<b>08 71 11 00-2060</b>			<b>Pull Plate</b> (08 71 11 00-2045)		
08 71 11 00-2061	EA		3-1/2" x 15" Aluminum Pull Plate Door Hardware (Ives 8302) ..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	44.56 20.50 26.06	2.45
08 71 11 00-2062	EA		4" x 16" Aluminum Pull Plate Door Hardware (Ives 8302) ..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	45.77 21.21 26.96	2.45
08 71 11 00-2063	EA		6" x 16" Aluminum Pull Plate Door Hardware (Ives 8302) ..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i>	48.52 22.83 29.03	2.45
<b>08 71 11 00-2064</b>			<b>Push Bars And Plates</b> (08 71 11 00-0779)		
<b>08 71 11 00-2065</b>			<b>Push Bars</b> (08 71 11 00-2064)		
08 71 11 00-2066	EA		3/8" x 2-1/2" Bronze Push Bar, Rectangular, With Base Plate..... Note: Up to 34" wide. All finishes.	150.10	2.45
08 71 11 00-2067	EA		3/4" Diameter Stainless Steel Push Bar, Up To 34" Wide..... <i>For Brass Push Bar, Add</i>	127.46 20.47	2.45
08 71 11 00-2068	EA		1" Diameter Stainless Steel Push Bar, Up To 34" Wide..... <i>For Brass Push Bar, Add</i>	132.39 21.33	2.45
08 71 11 00-2069	EA		1-1/4" Diameter Stainless Steel Push Bar, Up To 34" Wide..... <i>For Brass Push Bar, Add</i>	254.97 42.66	2.45
<b>08 71 11 00-2070</b>			<b>Push Plates</b> (08 71 11 00-2064)		
<b>08 71 11 00-2071</b>			<b>Aluminum Push Plates</b> (08 71 11 00-2070)		
<b>08 71 11 00-2072</b>			<b>Clear Anodized Finish, Aluminum Push Plates</b> (08 71 11 00-2071) Note: Ives 8200 Series.		



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2073	EA		3" x 12", Clear Anodized Finish, Aluminum Push Plate Door Hardware .....	18.55	2.45
08 71 11 00-2074	EA		4" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware .....	18.55	2.45
08 71 11 00-2075	EA		6" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware .....	18.55	2.45
08 71 11 00-2076	EA		8" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware .....	20.76	2.45
<b>08 71 11 00-2077</b>			<b>Stainless Steel Push Plates</b> (08 71 11 00-2070)		
<b>08 71 11 00-2078</b>			<b>Satin Finish, Stainless Steel Push Plates</b> (08 71 11 00-2077) Note: Ives 8200 Series.		
08 71 11 00-2079	EA		3" x 12", Satin Finish, Stainless Steel Push Plate Door Hardware .....	18.55	2.45
08 71 11 00-2080	EA		4" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware .....	20.25	2.45
08 71 11 00-2081	EA		6" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware .....	24.13	2.45
08 71 11 00-2082	EA		8" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware .....	29.86	2.45
<b>08 71 11 00-2083</b>			<b>Brass Push Plates</b> (08 71 11 00-2070)		
<b>08 71 11 00-2084</b>			<b>Bright/Satin Brass Finish, Brass Push Plates</b> (08 71 11 00-2083) Note: Ives 8200 Series.		
08 71 11 00-2085	EA		3" x 12", Bright/Satin Brass Finish, Brass Push Plate Door Hardware .....	23.73	2.45
08 71 11 00-2086	EA		4" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware .....	28.09	2.45
08 71 11 00-2087	EA		6" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware .....	38.59	2.45
08 71 11 00-2088	EA		8" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware .....	45.49	2.45
<b>08 71 11 00-2089</b>			<b>Bright/Satin Chrome Finish, Brass Push Plates</b> (08 71 11 00-2083) Note: Ives 8200 Series.		
08 71 11 00-2090	EA		3" x 12", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware .....	27.22	2.45
08 71 11 00-2091	EA		4" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware .....	30.76	2.45
08 71 11 00-2092	EA		6" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware .....	40.38	2.45
08 71 11 00-2093	EA		8" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware .....	49.86	2.45
<b>08 71 11 00-2094</b>			<b>Satin/Dark Bronze Finish, Brass Push Plates</b> (08 71 11 00-2083) Note: Ives 8200 Series.		
08 71 11 00-2095	EA		3" x 12", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware .....	27.22	2.45
08 71 11 00-2096	EA		4" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware .....	30.76	2.45
08 71 11 00-2097	EA		6" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware .....	42.08	2.45
08 71 11 00-2098	EA		8" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware .....	50.80	2.45
<b>08 71 11 00-2099</b>			<b>Satin Nickel Finish, Brass Push Plates</b> (08 71 11 00-2083) Note: Ives 8200 Series.		
08 71 11 00-2100	EA		3" x 12", Satin Nickel Finish, Brass Push Plate Door Hardware .....	27.22	2.45
08 71 11 00-2101	EA		4" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware .....	31.65	2.45
08 71 11 00-2102	EA		6" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware .....	44.76	2.45
08 71 11 00-2103	EA		8" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware .....	53.49	2.45
<b>08 71 11 00-2104</b>			<b>Anti-Vandal Pull</b> (08 71 11 00-2064)		
08 71 11 00-2105	EA		Anti-Vandal Pull With Astragal (Trimco 1096HA) .....	167.06	4.92
08 71 11 00-2106	EA		Anti-Vandal Pull Without Astragal (Trimco 1097HA) .....	167.06	4.92
<b>08 71 11 00-2107</b>			<b>Exit Devices</b> (08 71 11)		
<b>08 71 11 00-2108</b>			<b>Push Bar Exit Device, Von Duprin Series 22</b> (08 71 11 00-2107) Note: Grade 1, BHMA 156.3.		
08 71 11 00-2109	EA		3" Push Bar Exit Device, Rim Type .....	445.25	44.21
			Note: Anodized finish: aluminum or dark brown. Von Duprin Series 22.		
			For 4" Push Bar, Add	13.00	
08 71 11 00-2110	EA		3" Push Bar Exit Device, Rim Type, Fire Rated .....	510.02	44.21
			Note: Anodized finish: aluminum or dark brown. Von Duprin Series 22-F.		
			For 4" Push Bar, Add	13.00	
08 71 11 00-2111	EA		3" Push Bar Exit Device, Surface Vertical Rods .....	678.50	53.05
			Note: Anodized finish: aluminum or dark brown. Von Duprin Series 2227.		
			For 4" Push Bar, Add	13.00	
08 71 11 00-2112	EA		3" Push Bar Exit Device, Surface Vertical Rods, Fire Rated .....	839.83	49.12
			Note: Anodized finish: aluminum or dark brown. Von Duprin Series 2227-F.		
			For 4" Push Bar, Add	13.00	
08 71 11 00-2113	EA		Dummy Trim (210DT), Von Duprin Series 22 .....	56.25	7.37
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2114	EA		Night Latch Trim (210NL) With Cylinder, Von Duprin Series 22 .....	143.27	9.82
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2115	EA		Knob Trim (210K) With Cylinder, Von Duprin Series 22 .....	277.55	14.74
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2116	EA		Lever Trim (230L) With Cylinder, Von Duprin Series 22 .....	274.57	14.74
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2117	EA		Thumbpiece Trim (230TP) With Cylinder, Von Duprin Series 22 .....	273.82	14.74
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2118	EA		Knob - Blank Escutcheon (210K-BE), Von Duprin Series 22 .....	204.35	14.74
			Note: Anodized finish: aluminum or dark brown.		

## 08 Openings

08 70 Hardware

08 71 Door Hardware



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2119	EA		Exit Only Trim Plate (230EO), Von Duprin Series 22..... Note: Anodized finish: aluminum or dark brown.	82.94	5.89
08 71 11 00-2120	EA		Dummy Trim (230DT), Von Duprin Series 22..... Note: Anodized finish: aluminum or dark brown.	94.34	7.37
08 71 11 00-2121	EA		Night Latch Trim (230NL) With Cylinder, Von Duprin Series 22..... Note: Anodized finish: aluminum or dark brown.	182.86	9.82
08 71 11 00-2122	EA		Lever - Blank Escutcheon (230L-BE), Von Duprin Series 22..... Note: Anodized finish: aluminum or dark brown.	201.37	14.74
08 71 11 00-2123	EA		Thumbpiece - Blank Escutcheon (230TP-BE), Von Duprin Series 22..... Note: Anodized finish: aluminum or dark brown.	200.62	14.74
08 71 11 00-2124			<b>Push Bar Exit Device, Narrow Stile, Von Duprin Series 33/35</b> (08 71 11 00-2107) Note: Grade 1, BHMA 156.3. Series 33 has a ribbed case, Series 35 has a smooth case.		
08 71 11 00-2125	EA		3' Push Bar Exit Device, Rim Type, Narrow Stile..... Note: Aluminum anodized finish. Von Duprin Series 33/35.	950.70	44.21
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	85.28	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	163.65	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	31.65	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	243.18	
			For Accessible Device (AX), Add	83.28	
08 71 11 00-2126	EA		3' Push Bar Exit Device, Surface Vertical Rods, Narrow Stile..... Note: Aluminum anodized finish. Von Duprin Series 3327/3527.	1,312.62	53.05
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	119.93	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	230.13	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	44.50	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	341.98	
			For Accessible Device (AX), Add	117.12	
08 71 11 00-2127	EA		3' Push Bar Exit Device, Surface Vertical Rods, Fire Rated, Narrow Stile..... Note: Aluminum anodized finish. Von Duprin Series 3327-F/3527-F.	1,341.00	53.05
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	122.83	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	235.71	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	45.58	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	350.26	
			For Accessible Device (AX), Add	119.95	
08 71 11 00-2128	EA		3' Push Bar Exit Device, Concealed Vertical Rods, Narrow Stile..... Note: Aluminum anodized finish. Von Duprin Series 3347/3547.	1,344.69	60.91
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	121.00	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	232.19	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	44.90	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	345.03	
			For Accessible Device (AX), Add	118.16	
08 71 11 00-2129	EA		3' Push Bar Exit Device, Concealed Vertical Rods, Fire Rated, Narrow Stile..... Note: Aluminum anodized finish. Von Duprin Series 3347-F/3547-F.	1,417.89	60.91
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	128.49	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	246.57	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	47.68	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	366.40	
			For Accessible Device (AX), Add	125.48	
08 71 11 00-2130	EA		3' Push Bar Exit Device, Concealed Vertical Rods, Narrow Stile..... Note: Aluminum anodized finish. Von Duprin Series 3348/3548.	1,520.21	60.91
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	138.97	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	266.68	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	51.57	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	396.28	
			For Accessible Device (AX), Add	135.71	
08 71 11 00-2131	EA		3' Push Bar Exit Device, Concealed Vertical Rods, Fire Rated, Narrow Stile..... Note: Aluminum anodized finish. Von Duprin Series 3348-F/3548-F.	1,593.41	60.91
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	146.47	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	281.06	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	54.35	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	417.66	
			For Accessible Device (AX), Add	143.03	
08 71 11 00-2132	EA		Dummy Trim (DT), Von Duprin Series 33/35..... Note: Anodized finish: aluminum or dark brown.	219.82	7.37
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	39.33	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	7.61	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	58.45	
08 71 11 00-2133	EA		Night Latch Less Pull (NL-OP With Cylinder, Von Duprin Series 33/35..... Note: Anodized finish: aluminum or dark brown.	273.98	9.82
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	48.43	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	9.37	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	71.97	
08 71 11 00-2134	EA		Night Latch (NL) With Cylinder, Von Duprin Series 33/35..... Note: Anodized finish: aluminum or dark brown.	453.98	9.82
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	83.80	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	16.21	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	124.53	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Hardware</b>	<b>08 70</b>	
<b>Door Hardware</b>	<b>08 71</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2135 EA Lever Trim (360L) With Cylinder, Von Duprin Series 33/35 ..... Note: Anodized finish: aluminum or dark brown. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	563.62  103.03 19.92 153.10	14.74
08 71 11 00-2136 EA Lever - Blank Escutcheon (360L-BE) With Cylinder, Von Duprin Series 33/35 ..... Note: Anodized finish: aluminum or dark brown. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	539.72  98.33 19.02 146.13	14.74
08 71 11 00-2137 EA Lever Dummy Trim (360L-DT) With Cylinder, Von Duprin Series 33/35..... Note: Anodized finish: aluminum or dark brown. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	528.51  96.13 18.59 142.85	14.74
08 71 11 00-2138 EA Thumbturn Trim (360T) With Cylinder, Von Duprin Series 33/35..... Note: Anodized finish: aluminum or dark brown. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	533.74  97.16 18.79 144.38	14.74
<b>08 71 11 00-2139 Push Bar Exit Device, Von Duprin Series 98/99</b> <small>(08 71 11 00-2107)</small> Note: Grade 1, BHMA 156.3. Series 98 has a smooth case, Series 99 has a grooved case.		
08 71 11 00-2140 EA 3' Push Bar Exit Device, Rim Type, Von Duprin Series 98/99 ..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Standard Baseplate Cylinder Dogging (CD), Add For Special Center Case Dogging (SD), Add For Cylinder Dogging Indicator (CI), Add For Dogging Indicator (DI), Add For Accessible Device (AX), Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add	826.71  13.00 43.24 68.76 109.87 224.70 70.88 104.20 47.24 197.79 131.65 120.94 70.88 368.99 61.10 220.46	44.21
08 71 11 00-2141 EA 3' Push Bar Exit Device, Rim Type, Fire Rated, Von Duprin Series 98-F/99-F..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Accessible Device (AX), Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add	950.70  13.00 50.80 80.78 129.09 264.00 83.28 122.42 83.28 368.99 61.10 220.46	44.21
08 71 11 00-2142 EA 3' Push Bar Exit Device, Rim Type, Von Duprin Series XP98/XP99..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Standard Baseplate Cylinder Dogging (CD), Add For Special Center Case Dogging (SD), Add For Cylinder Dogging Indicator (CI), Add For Dogging Indicator (DI), Add For Accessible Device (AX), Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add	909.61  13.00 48.29 76.80 122.72 250.98 79.17 116.38 47.24 197.79 131.65 120.94 79.17 368.99 61.10 220.46	44.21
08 71 11 00-2143 EA 3' Push Bar Exit Device, Rim Type, Fire Rated, Von Duprin Series XP98-F/XP99-F ..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Accessible Device (AX), Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add	1,030.61  13.00 55.68 88.53 141.47 289.33 91.27 134.17 91.27 368.99 61.10 220.46	44.21

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2144	EA	3' Push Bar Exit Device, Surface Vertical Rods, Von Duprin Series 9827/9927 .....	1,199.84	53.05
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	64.56	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	102.66	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	164.05	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	335.50	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	105.84	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	155.58	
		For Standard Baseplate Cylinder Dogging (CD), Add	47.24	
		For Special Center Case Dogging (SD), Add	197.79	
		For Cylinder Dogging Indicator (CI), Add	131.65	
		For Dogging Indicator (DI), Add	120.94	
		For Accessible Device (AX), Add	105.84	
		For Quiet Electric Latch Retraction (QEL), Add	368.99	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.10	
		For Safety Glow Touchpad, Add	220.46	
08 71 11 00-2145	EA	3' Push Bar Exit Device, Surface Vertical Rods, Fire Rated, Von Duprin Series 9827-F/9927-F .....	1,367.90	53.05
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	74.81	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	118.96	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	190.10	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	388.78	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	122.64	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	180.29	
		For Accessible Device (AX), Add	122.64	
		For Quiet Electric Latch Retraction (QEL), Add	368.99	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.10	
		For Safety Glow Touchpad, Add	220.46	
08 71 11 00-2146	EA	3' Push Bar Exit Device, Concealed Vertical Rods, Von Duprin Series 9847/9947 .....	1,249.09	60.91
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	101.00	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	105.34	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	168.33	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	344.27	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	108.60	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	159.64	
		For Standard Baseplate Cylinder Dogging (CD), Add	47.24	
		For Special Center Case Dogging (SD), Add	197.79	
		For Cylinder Dogging Indicator (CI), Add	131.65	
		For Dogging Indicator (DI), Add	120.94	
		For Accessible Device (AX), Add	108.60	
		For Quiet Electric Latch Retraction (QEL), Add	368.99	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.10	
		For Safety Glow Touchpad, Add	220.46	
08 71 11 00-2147	EA	3' Push Bar Exit Device, Concealed Vertical Rods, Fire Rated, Von Duprin Series 9847-F/9947-F .....	1,420.88	60.91
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	116.98	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	122.01	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	194.96	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	398.72	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	125.78	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	184.90	
		For Accessible Device (AX), Add	125.78	
		For Quiet Electric Latch Retraction (QEL), Add	368.99	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.10	
		For Safety Glow Touchpad, Add	220.46	
08 71 11 00-2148	EA	3' Push Bar Exit Device, Concealed Vertical Rods, Von Duprin Series 9848/9948 .....	1,424.61	60.91
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	117.32	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	122.37	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	195.54	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	399.91	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	126.15	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	185.44	
		For Standard Baseplate Cylinder Dogging (CD), Add	47.24	
		For Special Center Case Dogging (SD), Add	197.79	
		For Cylinder Dogging Indicator (CI), Add	131.65	
		For Dogging Indicator (DI), Add	120.94	
		For Accessible Device (AX), Add	126.15	
		For Quiet Electric Latch Retraction (QEL), Add	368.99	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.10	
		For Safety Glow Touchpad, Add	220.46	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Hardware</b>	<b>08 70</b>	
<b>Door Hardware</b>	<b>08 71</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2149 EA 3' Push Bar Exit Device, Concealed Vertical Rods, Fire Rated, Von Duprin Series 9848-F/9948-F.....	1,596.40	60.91
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	133.30	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	139.03	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	222.16	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	454.36	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	143.33	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	210.70	
For Accessible Device (AX), Add	143.33	
For Quiet Electric Latch Retraction (QEL), Add	368.99	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.10	
For Safety Glow Touchpad, Add	220.46	
08 71 11 00-2150 EA 3' Push Bar Exit Device, Wood Door Concealed Vertical Rods, Von Duprin Series 9847WDC/9947WDC.....	1,373.82	60.91
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	112.60	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	117.44	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	187.66	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	383.80	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	121.07	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	177.98	
For Standard Baseplate Cylinder Dogging (CD), Add	47.24	
For Special Center Case Dogging (SD), Add	197.79	
For Cylinder Dogging Indicator (CI), Add	131.65	
For Dogging Indicator (DI), Add	120.94	
For Accessible Device (AX), Add	121.07	
For Quiet Electric Latch Retraction (QEL), Add	368.99	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.10	
For Safety Glow Touchpad, Add	220.46	
08 71 11 00-2151 EA 3' Push Bar Exit Device, Wood Door Concealed Vertical Rods, Fire Rated, Von Duprin Series 9847WDC- F/9947WDC-F.....	1,567.27	60.91
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	130.59	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	136.21	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	217.65	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	445.13	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	140.42	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	206.42	
For Accessible Device (AX), Add	140.42	
For Quiet Electric Latch Retraction (QEL), Add	368.99	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.10	
For Safety Glow Touchpad, Add	220.46	
08 71 11 00-2152 EA 3' Push Bar Exit Device, Surface Three Point Latch, Von Duprin Series 9857/9957.....	1,526.99	53.05
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	84.52	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	134.40	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	214.76	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	439.21	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	138.55	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	203.67	
For Standard Baseplate Cylinder Dogging (CD), Add	47.24	
For Special Center Case Dogging (SD), Add	197.79	
For Cylinder Dogging Indicator (CI), Add	131.65	
For Dogging Indicator (DI), Add	120.94	
For Accessible Device (AX), Add	138.55	
For Quiet Electric Latch Retraction (QEL), Add	368.99	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.10	
For Safety Glow Touchpad, Add	220.46	
08 71 11 00-2153 EA 3' Push Bar Exit Device, Surface Three Point Latch, Fire Rated, Von Duprin Series 9857-F/9957-F.....	1,638.28	53.05
Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
For 4' Push Bar, Add	13.00	
For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	91.31	
For Satin Chrome Plated US26D (BHMA 626) Finish, Add	145.19	
For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	232.01	
For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	474.49	
For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	149.68	
For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	220.03	
For Standard Baseplate Cylinder Dogging (CD), Add	47.24	
For Special Center Case Dogging (SD), Add	197.79	
For Cylinder Dogging Indicator (CI), Add	131.65	
For Dogging Indicator (DI), Add	120.94	
For Accessible Device (AX), Add	149.68	
For Quiet Electric Latch Retraction (QEL), Add	368.99	
For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.10	
For Safety Glow Touchpad, Add	220.46	

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2154	EA	3'	Push Bar Exit Device, Mortise Lock, Von Duprin Series 9875/9975 ..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,183.33	55.02
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	38.33	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	100.49	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	160.58	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	328.40	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	103.60	
			<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	152.29	
			<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	47.24	
			<i>For Special Center Case Dogging (SD), Add</i>	197.79	
			<i>For Cylinder Dogging Indicator (CI), Add</i>	131.65	
			<i>For Dogging Indicator (DI), Add</i>	120.94	
			<i>For Accessible Device (AX), Add</i>	103.60	
			<i>For Quiet Electric Latch Retraction (QEL), Add</i>	368.99	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	61.10	
			<i>For Safety Glow Touchpad, Add</i>	220.46	
08 71 11 00-2155	EA	3'	Push Bar Exit Device, Mortise Lock, Fire Rated, Von Duprin Series 9875-F/9975-F ..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,309.55	55.02
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	43.00	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	112.73	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	180.14	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	368.41	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	116.22	
			<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	170.84	
			<i>For Accessible Device (AX), Add</i>	116.22	
			<i>For Quiet Electric Latch Retraction (QEL), Add</i>	368.99	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	61.10	
			<i>For Safety Glow Touchpad, Add</i>	220.46	
08 71 11 00-2156	EA	3'	Push Bar Exit Device, Concealed Vertical Cable, Von Duprin Series 9849/9949 ..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,302.11	60.91
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	105.93	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	110.49	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	176.55	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	361.07	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	113.90	
			<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	167.44	
			<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	47.24	
			<i>For Special Center Case Dogging (SD), Add</i>	197.79	
			<i>For Cylinder Dogging Indicator (CI), Add</i>	131.65	
			<i>For Dogging Indicator (DI), Add</i>	120.94	
			<i>For Accessible Device (AX), Add</i>	113.90	
			<i>For Quiet Electric Latch Retraction (QEL), Add</i>	368.99	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	61.10	
			<i>For Safety Glow Touchpad, Add</i>	220.46	
08 71 11 00-2157	EA	3'	Push Bar Exit Device, Concealed Vertical Cable, Fire Rated, Von Duprin Series 9849-F/9949-F ..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,427.59	60.91
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	117.60	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	122.66	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	196.00	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	400.85	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	126.45	
			<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	185.88	
			<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	47.24	
			<i>For Special Center Case Dogging (SD), Add</i>	197.79	
			<i>For Cylinder Dogging Indicator (CI), Add</i>	131.65	
			<i>For Dogging Indicator (DI), Add</i>	120.94	
			<i>For Accessible Device (AX), Add</i>	126.45	
			<i>For Quiet Electric Latch Retraction (QEL), Add</i>	368.99	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	61.10	
			<i>For Safety Glow Touchpad, Add</i>	220.46	
08 71 11 00-2158	EA	3'	Push Bar Exit Device, Concealed Vertical Cable, Wood Door Concealed Vertical Cable, Von Duprin Series 9849WDC/9949WDC ..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,432.07	60.91
			<i>For 4' Push Bar, Add</i>	13.00	
			<i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	118.02	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	123.09	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	196.69	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	402.27	
			<i>For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add</i>	126.90	
			<i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i>	186.54	
			<i>For Standard Baseplate Cylinder Dogging (CD), Add</i>	47.24	
			<i>For Special Center Case Dogging (SD), Add</i>	197.79	
			<i>For Cylinder Dogging Indicator (CI), Add</i>	131.65	
			<i>For Dogging Indicator (DI), Add</i>	120.94	
			<i>For Accessible Device (AX), Add</i>	126.90	
			<i>For Quiet Electric Latch Retraction (QEL), Add</i>	368.99	
			<i>For Vision Impaired Touchpad, Raised Letters and Braille, Add</i>	61.10	
			<i>For Safety Glow Touchpad, Add</i>	220.46	



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	11 00-2159	EA	3' Push Bar Exit Device, Wood Door Concealed Vertical Cable, Fire Rated, Von Duprin Series 9849WDC-F/9949WDC-F ..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,656.15	60.91
			For 4' Push Bar, Add	13.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	138.86	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	144.83	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	231.43	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	473.30	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	149.31	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	219.48	
			For Standard Baseplate Cylinder Dogging (CD), Add	47.24	
			For Special Center Case Dogging (SD), Add	197.79	
			For Cylinder Dogging Indicator (CI), Add	131.65	
			For Dogging Indicator (DI), Add	120.94	
			For Accessible Device (AX), Add	149.31	
			For Quiet Electric Latch Retraction (QEL), Add	368.99	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.10	
			For Safety Glow Touchpad, Add	220.46	
08 71	11 00-2160	EA	3' Push Bar Exit Device, Chexit Delayed Egress, Von Duprin Series CX98/CX99 ..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,932.35	51.08
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	278.20	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	568.96	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	179.48	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	66.77	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	75.02	
			For Center Case Dogging (CD-CX), Add	213.53	
			For Accessible Device (AX), Add	179.48	
			For Quiet Electric Latch Retraction (QEL), Add	368.99	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.10	
			For Safety Glow Touchpad, Add	220.46	
08 71	11 00-2161	EA	3' Push Bar Exit Device, Chexit Delayed Egress, Fire Rated, Von Duprin Series CX98-F/CX99-F ..... Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	2,056.34	51.08
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	297.42	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	608.26	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	191.88	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	71.38	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	80.21	
			For Accessible Device (AX), Add	191.88	
			For Quiet Electric Latch Retraction (QEL), Add	368.99	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.10	
			For Safety Glow Touchpad, Add	220.46	
08 71	11 00-2162	EA	3' Push Bar Exit Device, Mortise Chexit Delayed Egress, Von Duprin Series CX9875/CX9975 ..... Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	2,292.91	62.87
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	328.91	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	672.66	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	212.20	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	78.94	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	88.70	
			For Center Case Dogging (CD-CX), Add	213.53	
			For Accessible Device (AX), Add	212.20	
			For Quiet Electric Latch Retraction (QEL), Add	368.99	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.10	
			For Safety Glow Touchpad, Add	220.46	
08 71	11 00-2163	EA	3' Push Bar Exit Device, Mortise Chexit Delayed Egress, Fire Rated, Von Duprin Series CX9875-F/CX9975-F ..... Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	2,419.14	62.87
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	348.47	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	712.68	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	224.82	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	83.63	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	93.97	
			For Accessible Device (AX), Add	224.82	
			For Quiet Electric Latch Retraction (QEL), Add	368.99	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.10	
			For Safety Glow Touchpad, Add	220.46	
08 71	11 00-2164	EA	3' Push Bar Exit Device, Electric Latch Retraction, Von Duprin Series E98/E99 ..... Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	1,200.38	51.08
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	164.74	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	336.92	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	106.29	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	39.54	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	61.01	
			For Standard Baseplate Cylinder Dogging (CD), Add	47.24	
			For Special Center Case Dogging (SD), Add	197.79	
			For Dogging Indicator (DI), Add	120.94	
			For Accessible Device (AX), Add	106.29	
			For Quiet Electric Latch Retraction (QEL), Add	368.99	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.10	
			For Safety Glow Touchpad, Add	220.46	



**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2165	EA	3'	Push Bar Exit Device, Electric Latch Retraction, Fire Rated, Von Duprin Series E98-F/E99-F.....	1,324.37	51.08
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	183.96	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	376.23	
			For Satin Bronze, Clear Coated US4 (BHMA 606) Finish, Add	118.68	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	44.15	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	68.12	
			For Accessible Device (AX), Add	118.68	
			For Quiet Electric Latch Retraction (QEL), Add	368.99	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.10	
			For Safety Glow Touchpad, Add	220.46	
08 71 11 00-2166	EA	3'	Push Bar Exit Device, Mortise Electric Latch Retraction, Von Duprin Series E9875/E9975.....	1,560.94	62.87
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	215.45	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	440.63	
			For Satin Bronze, Clear Coated US4 (BHMA 606) Finish, Add	139.00	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	51.71	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	79.79	
			For Standard Baseplate Cylinder Dogging (CD), Add	47.24	
			For Special Center Case Dogging (SD), Add	197.79	
			For Dogging Indicator (DI), Add	120.94	
			For Accessible Device (AX), Add	139.00	
			For Quiet Electric Latch Retraction (QEL), Add	368.99	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.10	
			For Safety Glow Touchpad, Add	220.46	
08 71 11 00-2167	EA	3'	Push Bar Exit Device, Mortise Electric Latch Retraction, Fire Rated, Von Duprin Series E9875-F/E9975-F.....	1,687.16	62.87
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	235.01	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	480.64	
			For Satin Bronze, Clear Coated US4 (BHMA 606) Finish, Add	151.62	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	56.40	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	87.03	
			For Accessible Device (AX), Add	151.62	
			For Quiet Electric Latch Retraction (QEL), Add	368.99	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	61.10	
			For Safety Glow Touchpad, Add	220.46	
08 71 11 00-2168	EA		Exit Only Trim Plate (EO), Von Duprin Series 98/99.....	95.09	5.89
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	2.38	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	3.57	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	13.49	
08 71 11 00-2169	EA		Dummy Trim (990DT), Von Duprin Series 98/99.....	143.11	7.37
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	3.70	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	5.56	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	20.99	
08 71 11 00-2170	EA		Night Latch (990NL) Pull Trim With 110NL Cylinder, Von Duprin Series 98/99.....	232.97	9.82
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.16	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	9.25	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	34.93	
08 71 11 00-2171	EA		Night Latch (990NL) Pull Trim Without Cylinder, Von Duprin Series 98/99.....	159.78	9.82
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	3.97	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	5.95	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	22.49	
08 71 11 00-2172	EA		Lever Trim (996L) With 110NL Cylinder, Von Duprin Series 98/99.....	397.83	14.74
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	10.76	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	16.13	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	60.95	
			For Electric Unlocking (E), Add	389.35	
08 71 11 00-2173	EA		Lever Trim (996L) Without Cylinder, Von Duprin Series 98/99.....	324.63	14.74
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	8.56	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	12.84	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	48.51	
			For Electric Unlocking (E), Add	389.35	
08 71 11 00-2174	EA		Lever - Blank Escutcheon (996L-BE), Von Duprin Series 98/99.....	324.63	14.74
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	8.56	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	12.84	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	48.51	
08 71 11 00-2175	EA		Lever - Night Latch (996L-NL) With 110NL Cylinder, Von Duprin Series 98/99.....	334.84	14.74
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	8.87	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	13.30	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	50.24	
			For Electric Unlocking (E), Add	389.35	



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	11 00-2176	EA	Lever - Night Latch (996L-NL) Without Cylinder, Von Duprin Series 98/99 ..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> <i>For Electric Unlocking (E), Add</i>	261.64 6.67 10.01 37.80 389.35	14.74
08 71	11 00-2177	EA	Lever Dummy Trim (996L-DT), Von Duprin Series 98/99 ..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	261.64 6.67 10.01 37.80	14.74
08 71	11 00-2178	EA	Knob Trim (K) With 110NL Cylinder, Von Duprin Series 98/99 ..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	324.77 8.56 12.85 48.53	14.74
08 71	11 00-2179	EA	Knob Trim (K) Without Cylinder, Von Duprin Series 98/99 ..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	251.57 6.37 9.55 36.09	14.74
08 71	11 00-2180	EA	Knob - Blank Escutcheon (K-BE), Von Duprin Series 98/99 ..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	251.57 6.37 9.55 36.09	14.74
08 71	11 00-2181	EA	Knob - Night Latch (K-NL) With 110NL Cylinder, Von Duprin Series 98/99 ..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	319.10 8.39 12.59 47.57	14.74
08 71	11 00-2182	EA	Knob - Night Latch (K-NL) Without Cylinder, Von Duprin Series 98/99 ..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	245.90 6.20 9.30 35.12	14.74
08 71	11 00-2183	EA	Knob Dummy Trim (K-DT) Without Cylinder, Von Duprin Series 98/99 ..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	245.90 6.20 9.30 35.12	14.74
08 71	11 00-2184	EA	Thumbpiece Trim (TP) With 110NL Cylinder, Von Duprin Series 98/99 ..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	288.23 7.47 11.20 42.32	14.74
08 71	11 00-2185	EA	Thumbpiece Trim (TP) Without Cylinder, Von Duprin Series 98/99 ..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	215.03 5.27 7.91 29.88	14.74
08 71	11 00-2186	EA	Thumbpiece - Blank Escutcheon (T-BE), Von Duprin Series 98/99 ..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	215.03 5.27 7.91 29.88	14.74
08 71	11 00-2187	EA	Push/Pull Hospital Latch Trim (HL) With 110NL Cylinder, Von Duprin Series 98/99 ..... Note: Satin chrome plated US26D (BHMA 626) finish. <i>For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add</i> <i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i> <i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	234.97 5.87 8.81 33.27	14.74
<b>08 71 11 00-2188 Option And Kits For Series 22, 33, 35, 98 Or 99</b> <small>(08 71 11 00-2107)</small>					
08 71	11 00-2189	EA	Alarm Kit With Switch And 9 Volt Battery Back-up.....	689.83	14.74
08 71	11 00-2190	EA	4 Amp Output Current, 12-24 Volt DC, Power Supply (Von Duprin PS914) ..... <i>For Battery Backup (Includes Board And 2 Batteries), Add</i> <i>For Fire Alarm Interface, Add</i> <i>For 2 Relay Panic Device Control Board, Add</i> <i>For 2 Relay Quiet Electric Latch Panic Device Control Board, Add</i> <i>For 4 Relay Output Board, Add</i> <i>For 4 Relay Logic Board, Add</i> <i>For Fused 8 Zone Distribution Board, Add</i>	393.49 82.72 41.36 95.96 112.50 92.65 254.10 33.09	14.74
08 71	11 00-2191	EA	Jamb Mounted Concealed Electric Power Transfer (Von Duprin EPT-10) .....	365.99	14.74
08 71	11 00-2192	EA	2 Amp Output Current, 12-24 Volt DC, Power Supply (Von Duprin PS902) ..... Note: 2A@12/24 VDC <i>For Battery Backup (Includes Board And 2 Batteries), Add</i> <i>For Fire Alarm Interface, Add</i> <i>For 2 Relay Quiet Electric Latch Panic Device Control Board, Add</i> <i>For 4 Relay Output Board, Add</i> <i>For 4 Relay Logic Board, Add</i> <i>For Fused 8 Zone Distribution Board, Add</i>	193.69 82.72 41.36 112.50 92.65 254.10 33.09	14.74

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2193	EA		4 Amp Output Current, 12-24 Volt DC, Power Supply (Von Duprin PS904) .....330.32		14.74
			Note: 4A@12/24 VDC		
			For Battery Backup (Includes Board And 2 Batteries), Add	82.72	
			For Fire Alarm Interface, Add	41.36	
			For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	112.50	
			For 4 Relay Output Board, Add	92.65	
			For 4 Relay Logic Board, Add	254.10	
			For Fused 8 Zone Distribution Board, Add	33.09	
08 71 11 00-2194	EA		Request to Exit Push Pad Monitor Switch (RX) .....139.96		9.82
<b>08 71 11 00-2195</b>			<b>Removable Verticals, Mullions (Von Duprin)</b> (08 71 11 00-2107)		
08 71 11 00-2196	EA		7'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-72).....382.87		9.82
			Note: For use with Von Duprin Panic rim devices.		
			For Owner Furnished Material, Deduct	-343.58	
08 71 11 00-2197	EA		8'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-82).....409.75		9.82
			Note: For use with Von Duprin Panic rim devices.		
			For Owner Furnished Material, Deduct	-370.46	
08 71 11 00-2198	EA		10'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-102).....699.79		9.82
			Note: For use with Von Duprin Panic rim devices.		
			For Owner Furnished Material, Deduct	-660.50	
08 71 11 00-2199	EA		7'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-76) .....677.55		11.79
			Note: For use with Von Duprin Panic rim devices.		
			For Owner Furnished Material, Deduct	-630.39	
08 71 11 00-2200	EA		8'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-86) .....704.44		11.79
			Note: For use with Von Duprin Panic rim devices.		
			For Owner Furnished Material, Deduct	-657.28	
08 71 11 00-2201	EA		10'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-106) .....763.44		11.79
			Note: For use with Von Duprin Panic rim devices.		
			For Owner Furnished Material, Deduct	-716.28	
08 71 11 00-2202	EA		7'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-73).....571.09		9.82
			Note: For use with Von Duprin Panic rim devices.		
			For Owner Furnished Material, Deduct	-531.80	
08 71 11 00-2203	EA		8'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-83).....598.72		9.82
			Note: For use with Von Duprin Panic rim devices.		
			For Owner Furnished Material, Deduct	-559.43	
08 71 11 00-2204	EA		10'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-103).....654.74		9.82
			Note: For use with Von Duprin Panic rim devices.		
			For Owner Furnished Material, Deduct	-615.45	
08 71 11 00-2205	EA		7'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-75).....894.90		11.79
			Note: For use with Von Duprin Panic rim devices.		
			For Owner Furnished Material, Deduct	-847.74	
08 71 11 00-2206	EA		8'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-85).....922.53		11.79
			Note: For use with Von Duprin Panic rim devices.		
			For Owner Furnished Material, Deduct	-875.37	
08 71 11 00-2207	EA		10'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-105).....1,790.97		11.79
			Note: For use with Von Duprin Panic rim devices.		
			For Owner Furnished Material, Deduct	-1,743.81	
08 71 11 00-2208	EA		Mullion Stabilizer Set (Von Duprin 154) .....71.74		7.86
			Note: For use with Von Duprin Panic rim devices.		
			For Owner Furnished Material, Deduct	-56.02	
<b>08 71 11 00-2209</b>			<b>Cross Bar Exit Device, Narrow Stile, Von Duprin Series 55</b> (08 71 11 00-2107)		
			Note: Grade 1, BHMA 156.3.		
08 71 11 00-2210	EA		42" Crossbar Exit Device, Rim Type, Narrow Stile .....1,544.48		44.21
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 55.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	179.75	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	206.86	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	272.48	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	296.73	
08 71 11 00-2211	EA		42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile .....1,975.83		60.91
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	228.41	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	262.85	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	346.24	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	377.05	
08 71 11 00-2212	EA		42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile, Fire Rated.....2,178.24		60.91
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547-F.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	253.91	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	292.20	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	384.90	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	419.15	
08 71 11 00-2213	EA		42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile .....2,025.87		60.91
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	234.71	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	270.10	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	355.79	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	387.46	
08 71 11 00-2214	EA		42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile, Fire Rated.....2,222.31		60.91
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC-F.		
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	259.46	
			For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	298.59	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	393.31	
			For Bright Stainless Steel US32 (BHMA 629) Finish, Add	428.32	



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71	11 00-2215	EA	42" Crossbar Exit Device, Mortise Lock, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,508.22 171.47 197.32 259.92 283.06	55.02
08 71	11 00-2216	EA	42" Crossbar Exit Device, Mortise Lock, Narrow Stile, Fire Rated..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,640.43 188.13 216.50 285.18 310.56	55.02
08 71	11 00-2217	EA	Dummy Trim (DT) Pull Bracket, Von Duprin Series 55..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	265.39 30.96 35.63 46.94 51.11	7.37
08 71	11 00-2218	EA	Cylinder Assembly, Von Duprin Series 55..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	96.96 8.75 10.07 13.27 14.45	10.41
08 71	11 00-2219	EA	Night Latch Pull Trim (NL) With Cylinder, Von Duprin Series 55..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	454.73 53.83 61.95 81.60 88.86	10.41
08 71	11 00-2220	EA	Thumbturn Trim (376T) With Cylinder, Von Duprin Series 55..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	475.49 54.96 63.25 83.31 90.73	14.74
08 71	11 00-2221	EA	Thumbturn - Blank Escutcheon (376T-BE), Von Duprin Series 55..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	378.38 42.73 49.17 64.77 70.53	14.74
08 71	11 00-2222	EA	Lever Trim (371L) With Cylinder, Von Duprin Series 55..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	475.49 54.96 63.25 83.31 90.73	14.74
08 71	11 00-2223	EA	Lever Trim (575L) With Cylinder, Von Duprin Series 55..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	554.66 64.94 74.73 98.44 107.20	14.74
08 71	11 00-2224		<b>Cross Bar Exit Device, Von Duprin Series 88</b> (08 71 11 00-2107) Note: Grade 1, BHMA 156.3.		
08 71	11 00-2225	EA	42" Crossbar Exit Device, Rim Type..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	926.79 25.08 25.88 220.83	44.21
08 71	11 00-2226	EA	42" Crossbar Exit Device, Rim Type, Fire Rated..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,105.31 30.61 31.60 269.57	44.21
08 71	11 00-2227	EA	42" Crossbar Exit Device, Surface Vertical Rods..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,212.54 33.20 34.27 292.40	53.05
08 71	11 00-2228	EA	42" Crossbar Exit Device, Surface Vertical Rods, Fire Rated..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,598.68 45.17 46.63 397.82	53.05
08 71	11 00-2229	EA	42" Crossbar Exit Device, Concealed Vertical Rods..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,136.97 30.19 31.16 265.87	60.91

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2230	EA		42" Crossbar Exit Device, Concealed Vertical Rods, Fire Rated ..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,488.10 41.08 42.40 361.73	60.91
08 71 11 00-2231	EA		42" Crossbar Exit Device, Mortise Lock ..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,252.78 34.27 35.37 301.78	55.02
08 71 11 00-2232	EA		42" Crossbar Exit Device, Mortise Lock, Fire Rated ..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,343.91 37.09 38.29 326.66	55.02
08 71 11 00-2233	EA		Dummy Trim (DT), Von Duprin Series 88 ..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	137.67 3.66 3.78 32.22	7.37
08 71 11 00-2234	EA		Night Latch Pull Trim (NL) With Cylinder, Von Duprin Series 88 ..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	225.43 6.14 6.33 54.03	9.82
08 71 11 00-2235	EA		Thumbturn Trim (376T Or 377T) With Cylinder, Von Duprin Series 88 ..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	402.29 11.25 11.62 99.10	14.74
08 71 11 00-2236	EA		Lever Trim (373L) With Cylinder, Von Duprin Series 88 ..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	372.41 10.33 10.66 90.94	14.74
08 71 11 00-2237	EA		Knob Trim (K) With Cylinder, Von Duprin Series 88 ..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	271.58 7.20 7.43 63.42	14.74
08 71 11 00-2238	EA		Thumbpiece Trim (TP) With Cylinder, Von Duprin Series 88 ..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	271.58 7.20 7.43 63.42	14.74
<b>08 71 11 00-2239</b>			<b>Door Closers</b> <small>(08 71 11)</small> Note: Includes standard cover and arm.		
08 71 11 00-2240	EA		Surface Mounted Standard Duty Door Closer (LCN 1460 Series) ..... For Delayed Action, Add For AVB (5 LB Per Push), Add For Fusible Link Arm, Add For Shock Absorbing Arm, Add For Hold Open Arm, Add For Plated Brass Finish, Add For Plated Finish With Clear Coat, Add For Parallel Arm, Add	277.07 12.60 6.60 39.60 19.80 13.80 101.40 127.20 22.40	11.39
08 71 11 00-2241	EA		Surface Mounted Heavy Duty Door Closer (LCN 4010/4020/4110 Series) ..... For Delayed Action, Add For AVB (5 LB Per Push), Add For Fusible Link Arm, Add For Shock Absorbing Arm, Add For Hold Open Arm, Add For Plated Brass Finish, Add For Plated Finish With Clear Coat, Add	351.99 12.60 6.60 39.60 19.80 13.80 101.40 127.20	11.39
08 71 11 00-2242	EA		Surface Mounted Heavy Duty Door Closer (LCN 4040XP/4041 Series) ..... For Delayed Action, Add For AVB (5 LB Per Push), Add For Fusible Link Arm, Add For Shock Absorbing Arm, Add For Hold Open Arm, Add For Plated Brass Finish, Add For Plated Finish With Clear Coat, Add For Spring Cush Arm, Add For Parallel Arm And PA Shoe, Add For Stainless Steel Finish, Add	363.90 12.60 6.60 39.60 19.80 13.80 101.40 127.20 67.20 22.40 145.00	11.39
08 71 11 00-2243	EA		Surface Mounted High Security Door Closer, Metal Cover (LCN 4510) ..... For Delayed Action, Add For AVB (5 LB Per Push), Add For Fusible Link Arm, Add For Shock Absorbing Arm, Add For Hold Open Arm, Add For Plated Brass Finish, Add For Plated Finish With Clear Coat, Add	378.81 12.60 6.60 39.60 19.80 13.80 101.40 127.20	11.39
08 71 11 00-2244	EA		Surface Mounted Standard Duty Door Closer (Norton 8301) ..... For Parallel Arm, Add	220.96 22.40	11.39



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2245 EA Surface Mounted Standard Duty Door Closer (Norton 8501) ..... <i>For Parallel Arm, Add</i>	223.47 22.40	11.39
<b>08 71 11 00-2246 Concealed Door Closers (08 71 11)</b>		
08 71 11 00-2247 EA Floor Concealed Door Closer, Non Hold Open (Rixson 27/28).....	772.97	33.80
08 71 11 00-2248 EA Floor Concealed Door Closer, Selective Hold Open (Rixson 27/27).....	843.19	33.80
08 71 11 00-2249 EA Concealed (In Door) Overhead Door Closer (LCN 3130)..... <i>For Hold Open Arm, Add</i> <i>For Plated Brass Finish, Add</i> <i>For Plated Finish With Clear Coat, Add</i>	415.87 13.80 101.40 127.20	13.76
08 71 11 00-2250 EA Concealed (In Frame) Overhead Door Closer (LCN 5010)..... <i>For Delayed Action, Add</i> <i>For Hold Open Arm, Add</i> <i>For Plated Brass Finish, Add</i> <i>For Plated Finish With Clear Coat, Add</i>	456.95 12.60 13.80 101.40 127.20	13.76
<b>08 71 11 00-2251 Locks And Latches (08 71 11)</b> Note: All locksets are supplied with knob, lever or thumb piece, set of 3 keys and include a core. Multi purchase locksets can be keyed alike and to an existing master key (when required). The cost for boring hole or preparing mortise is included with the new door.		
<b>08 71 11 00-2252 Locksmith Services (08 71 11 00-2251)</b>		
08 71 11 00-2253 EA Provide Extra Keys (Above The Three Provided For New Locks) Or Duplicate Keys..... <i>For &gt;50, Deduct</i>	1.08 -0.22	
08 71 11 00-2254 EA Rekey Existing Cylinder To Match Existing Cylinders Or Master Key..... <i>For &gt;5, Deduct</i>	47.18 -4.72	
08 71 11 00-2255 EA Replace Cylinder With Owner Supplied Cylinder..... <i>For &gt;5, Deduct</i>	47.18 -4.72	
08 71 11 00-2256 EA Replace Cylinder With New Cylinder..... Note: Excludes core. <i>For &gt;5, Deduct</i>	58.70 -4.72	
08 71 11 00-2257 EA Open Locked Doors.....	47.18	
08 71 11 00-2258 EA Install Owner Furnished Cores And Cylinders.....	19.95	
<b>08 71 11 00-2259 Mortise Locksets And Latchsets (08 71 11 00-2251)</b> Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.13 Grade 1. Levers or knobs.		
08 71 11 00-2260 EA Passage/Closet F01 Mortise Latchset ..... Note: Both sides always unlocked. <i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i> <i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i> <i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i> <i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	454.83 13.71 12.47 20.78 146.69	9.82
08 71 11 00-2261 EA Bath/Bedroom Privacy F02/F19 Mortise Lockset..... Note: Locked with thumb knob inside. <i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i> <i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i> <i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i> <i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	547.15 16.76 15.24 25.39 179.27	9.82
08 71 11 00-2262 EA Entrance/Office F04 Mortise Lockset..... Note: Locked with key outside and thumb knob inside. <i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i> <i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i> <i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i> <i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	612.46 18.91 17.20 28.66 202.33	9.82
08 71 11 00-2263 EA Classroom F05 Mortise Lockset ..... Note: Locked with key outside. Inside always unlocked. <i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i> <i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i> <i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i> <i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i> <i>For Security Function (Double Cylinder) With Visual Indicator, Add</i>	569.57 17.50 15.91 26.51 187.19 44.19	9.82
08 71 11 00-2264 EA Storeroom/Closet F07 Mortise Lockset..... Note: Locked with key outside. Inside always unlocked. Fixed outside handle. <i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i> <i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i> <i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i> <i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	569.57 17.50 15.91 26.51 187.19	9.82
08 71 11 00-2265 EA Entrance F08 Mortise Lockset ..... Note: Locked with key outside and thumb knob inside. <i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i> <i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i> <i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i> <i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	639.81 19.82 18.02 30.03 211.98	9.82
08 71 11 00-2266 EA Dormitory/Exit F13 Mortise Lockset ..... Note: Locked with key outside and thumb knob inside. <i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i> <i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i> <i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i> <i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i>	546.51 16.74 15.22 25.36 179.05	9.82
<b>08 71 11 00-2267 Locks And Latches (08 71 11 00-2251)</b>		

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 71 11 00-2268		<b>Preassembled Locks And Latches</b> <small>(08 71 11 00-2267)</small>		
		Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989 Grade 1, with knob handles.		
08 71 11 00-2269	EA	Passage/Closet F36 Pre-Assembled Latchset.....	898.05	9.82
		Note: Both sides always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	26.06	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	43.43	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	306.61	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	161.56	
		For Grade 2, Deduct	-337.88	
08 71 11 00-2270	EA	Bath/Bedroom Privacy F37 Pre-Assembled Lockset .....	973.98	9.82
		Note: Locked with push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	28.34	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	47.23	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	333.41	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	175.68	
		For Grade 2, Deduct	-367.41	
08 71 11 00-2271	EA	Entrance/Office F41 Pre-Assembled Lockset .....	1,110.14	9.82
		Note: Locked with key outside and push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	32.42	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	54.03	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	381.48	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	201.00	
		For Grade 2, Deduct	-420.38	
08 71 11 00-2272	EA	Classroom F42 Pre-Assembled Lockset.....	1,110.14	9.82
		Note: Locked with key outside. Inside always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	32.42	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	54.03	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	381.48	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	201.00	
		For Grade 2, Deduct	-420.38	
08 71 11 00-2273	EA	Storeroom/Closet F44 Pre-Assembled Lockset .....	1,110.14	9.82
		Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	32.42	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	54.03	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	381.48	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	201.00	
		For Grade 2, Deduct	-420.38	
08 71 11 00-2274		<b>Bored Locks And Latches</b> <small>(08 71 11 00-2267)</small>		
		Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1, 6 pins or 7 pins. Levers or knobs.		
08 71 11 00-2275	EA	Passage/Closet F75 Bored Latchset.....	146.77	9.82
		Note: Both sides always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	3.22	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	5.37	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	37.94	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	19.99	
		For Grade 2, Deduct	-5.37	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	2.15	
		For Interchangeable Core, Add	9.45	
08 71 11 00-2276	EA	Bath/Bedroom Privacy F76 Bored Lockset .....	172.40	9.82
		Note: Locked with push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	3.99	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	6.66	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	46.99	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	24.76	
		For Grade 2, Deduct	-6.66	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	2.66	
		For Interchangeable Core, Add	9.45	
08 71 11 00-2277	EA	Entrance/Office F82 Bored Lockset.....	193.06	9.82
		Note: Locked with key outside and push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	4.61	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	7.69	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	54.28	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	28.60	
		For Grade 2, Deduct	-7.69	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	3.08	
		For Interchangeable Core, Add	9.45	
08 71 11 00-2278	EA	Classroom F84 Bored Lockset.....	193.06	9.82
		Note: Locked with key outside. Inside always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	4.61	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	7.69	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	54.28	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	28.60	
		For Grade 2, Deduct	-7.69	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	3.08	
		For Interchangeable Core, Add	9.45	
08 71 11 00-2279	EA	Storeroom/Closet F86 Bored Lockset .....	193.06	9.82
		Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	4.61	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	7.69	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	54.28	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	28.60	
		For Grade 2, Deduct	-7.69	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	3.08	
		For Interchangeable Core, Add	9.45	



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2280	EA		Corridor/Dormitory F90 Bored Lockset ..... Note: Locked with key outside and push button inside. <i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i> 4.61 <i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i> 7.69 <i>For Satin Stainless Steel US32D (BHMA 630) Finish, Add</i> 54.28 <i>For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add</i> 28.60 <i>For Grade 2, Deduct</i> -7.69 <i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i> 3.08 <i>For Interchangeable Core, Add</i> 9.45	193.06	9.82
08 71 11 00-2281			<b>Heavy Duty Cylinder Lever Locksets</b> (08 71 11 00-2267) Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1, 6 pin interchangeable core, 2-3/8" backset. (Corbin Russwin CL 3500).		
08 71 11 00-2282	EA		Heavy Duty Cylindrical Passage Or Closet Lockset F75 ..... Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).	221.82	9.82
08 71 11 00-2283	EA		Heavy Duty Cylindrical Privacy Bath/Bedroom Lockset F76..... Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).	239.75	9.82
08 71 11 00-2284	EA		Heavy Duty Cylindrical Entrance Lockset F82..... Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).	264.19	9.82
08 71 11 00-2285	EA		Heavy Duty Cylindrical Classroom Lockset F84 ..... Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).	264.19	9.82
08 71 11 00-2286	EA		Heavy Duty Cylindrical Storeroom Or Closet Lockset F86 ..... Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).	264.19	9.82
08 71 11 00-2287	EA		Heavy Duty Cylindrical Entrance Lockset F109..... Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).	264.19	9.82
08 71 11 00-2288	EA		Heavy Duty Cylindrical Full Dummy Trim Lockset..... Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).	207.16	9.82
08 71 11 00-2289			<b>Extra Heavy Duty Cylinder Lever Locksets</b> (08 71 11 00-2267) Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1, 6 pin interchangeable core, 2-3/4" backset. (Corbin Russwin CL 3300).		
08 71 11 00-2290	EA		Extra Heavy Duty Cylindrical Passage Or Closet Lockset F75..... Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).	246.15	9.82
08 71 11 00-2291	EA		Extra Heavy Duty Cylindrical Privacy Bath/Bedroom Lockset F76 ..... Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).	275.60	9.82
08 71 11 00-2292	EA		Extra Heavy Duty Cylindrical Entrance Lockset F82..... Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).	300.05	9.82
08 71 11 00-2293	EA		Extra Heavy Duty Cylindrical Classroom Lockset F84 ..... Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).	300.05	9.82
08 71 11 00-2294	EA		Extra Heavy Duty Cylindrical Storeroom Or Closet Lockset F86 ..... Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).	300.05	9.82
08 71 11 00-2295	EA		Extra Heavy Duty Cylindrical Entrance Lockset F109..... Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).	300.05	9.82
08 71 11 00-2296	EA		Extra Heavy Duty Cylindrical Utility Lockset F87 ..... Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).	324.50	9.82
08 71 11 00-2297	EA		Extra Heavy Duty Cylindrical Full Dummy Trim Lockset..... Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).	218.58	9.82
08 71 11 00-2298			<b>Hospital Locksets</b> (08 71 11 00-2267) Note: Satin chrome plated US 26D. (BHMA 626) - BHMA 156.2-1989 Grade 1.		
08 71 11 00-2299	EA		Push/Pull Hospital Latch (Glynn Johnson HL6) ..... <i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i> 63.53 <i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i> 63.53 <i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i> 43.36 <i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i> 38.32 <i>For Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> 58.49	312.22	9.82
08 71 11 00-2300	EA		Push/Pull With Thumbturn Hospital Latch (Glynn Johnson PL7 / PL8)..... <i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i> 63.53 <i>For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add</i> 63.53 <i>For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add</i> 43.36 <i>For Satin Stainless Steel, US32D (BHMA 630) Finish, Add</i> 38.32 <i>For Bright Chrome Plated US26 (BHMA 625) Finish, Add</i> 58.49	357.94	9.82
08 71 11 00-2301			<b>Cylinder Core</b> (08 71 11 00-2251) Note: Satin chrome plated US 26D (BHMA 626).		
08 71 11 00-2302	EA		6 Or 7 Pin Uncombined Interchangeable Core ..... Note: Satin chrome plated US 26D (BHMA 626).	19.06	3.93
08 71 11 00-2303			<b>Other Locks</b> (08 71 11 00-2251) Note: BHMA A156.5.		
08 71 11 00-2304	EA		Steel Exit Lock With Alarm, Single Door Satin Chrome Plated, BHMA E0421 .....	415.52	51.08
08 71 11 00-2305	EA		Exit Lock With Alarm At Active Leaf And Vertical Rod - Inactive Leaf Rod For Inactive Leaf (Pair Doors) Steel With Satin Chrome Plating BHMA - E0461 .....	977.07	102.16
08 71 11 00-2306	EA		Combination Lock, Security, CD-X09 .....	2,150.80	29.93
08 71 11 00-2307	EA		Norden Box Lock .....	334.30	17.29
08 71 11 00-2308	EA		One Sided Deadbolt For Restroom Or Public Toilet..... Note: No exterior plate.	54.48	
08 71 11 00-2309	EA		Firehose Extinguisher Cabinet Lock .....	47.62	
08 71 11 00-2310	EA		Single Door Magnetic Locking Device, Aluminum Finish, Time Delay (ROFU 8011-LC-TD-US28).....	529.05	24.76



**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2311 EA Single Door Magnetic Locking Device, Brown Finish (ROFU 8011-LC-US40) .....	460.73	24.76
08 71 11 00-2312 EA Single Door Magnetic Locking Device, Aluminum Finish (ROFU 8011-LC-US28) .....	460.73	24.76
08 71 11 00-2313 EA 12 Volt Delayed Egress System: (1) 1,500 LB Holding Force Magnetic Lock, (1) Microswitch Bar, (1) Stainless Door Cord For Wires To Bar (ROFU 8011-004-12) .....	1,007.17	31.44
08 71 11 00-2314 EA 24 Volt Delayed Egress System: (1) 1,500 LB Holding Force Magnetic Lock, (1) Microswitch Bar, (1) Stainless Door Cord For Wires To Bar (ROFU 8011-004-24) .....	1,057.09	31.44
08 71 11 00-2315 EA 1,200 LB Electromagnetic Lock With Infrared Remote Release (PowerMag RRP1200PAK) .....	519.92	24.76
08 71 11 00-2316 EA Surface Mounted Aluminum Storefront Door Closer (Norton 1601BF AL) .....	158.00	11.39
08 71 11 00-2317 EA Surface Mounted Door Closer, Aluminum Finish (Norton 8301-689) .....	246.95	11.39
08 71 11 00-2318 EA Surface Mounted Multi-Size Unitrol Door Closer, Aluminum Finish (Norton UNI8301-689) .....	357.62	11.39
08 71 11 00-2319 EA Surface Mounted Door Closer, Aluminum Finish (Norton 8501-689) .....	194.60	11.39
08 71 11 00-2320 EA Surface Mounted Multi-Size Unitrol Door Closer, Aluminum Finish (Norton UNI8501-689) .....	339.17	11.39
08 71 11 00-2321 EA Surface Mounted High Security Door Closer, Aluminum Finish With Full Metal Cover (Norton 8501M-689) .....	210.37	11.39
08 71 11 00-2322 EA Surface Mounted High Security Door Closer, Aluminum Finish With Architectural Plastic Cover (Norton 8501A-689) .....	298.20	11.39
08 71 11 00-2323 EA 12 Button Industrial Electronic Cylindrical Lock With Key Override (Alarm Lock DL3000IC26D) .....	918.77	24.94
08 71 11 00-2324 EA 12 Button Industrial Electronic Cylindrical Lock With HID Proximity Cards, Key Override (Alarm Lock PDL3000IC26D) .....	1,269.78	24.94
08 71 11 00-2325 EA 12 Button Industrial Electronic Mortise Lock With Key Override (Alarm Lock DL3500CRL26D) .....	1,027.48	24.94
08 71 11 00-2326 EA 3' General Security Chain With Green Vinyl Sleeve (Master Lock 73D) .....	6.52	
08 71 11 00-2327 EA 6' General Security Chain With Smoke Gray Vinyl Sleeve (Master Lock 74D) .....	12.77	
08 71 11 00-2328 EA Resettable Combination Lock With 1" Hardened Steel Shackle (Master Lock 175D) .....	22.25	
08 71 11 00-2329 EA 2-1/8" Shrouded Iron Padlock (Master Lock 6521WO) .....	25.81	
08 71 11 00-2330 EA 2-5/8" Shrouded Iron Padlock (Master Lock 6527WO) .....	36.06	
08 71 11 00-2331 EA 1 "0" Bitted Cylinder For Rekeyable Padlocks (Master Lock 295KZ W1) .....	55.16	
08 71 11 00-2332 EA 15 "0" Bitted Cylinder For Rekeyable Padlocks (Master Lock 295KZ W15) .....	75.97	
08 71 11 00-2333 EA 27 "0" Bitted Cylinder For Rekeyable Padlocks (Master Lock 295KZ W27) .....	81.23	
08 71 11 00-2334 EA Pin Tumbler Padlock, Red (American Lock A1105RED KD) .....	13.47	
08 71 11 00-2335 EA Pin Tumbler Padlock, Red (American Lock A1106RED KD) .....	13.33	
08 71 11 00-2336 EA 6V Battery (Alarm Lock BP6) .....	40.77	
08 71 11 00-2337 EA 6V Battery (Alarm Lock S6061) .....	52.53	
08 71 11 00-2338 EA 6V Battery (Alarm Lock S6065) .....	53.84	
08 71 11 00-2339 EA Surface Mounted Door Alarm (Alarm Lock PG21MS) .....	256.15	19.95
08 71 11 00-2340 EA Alarm Lock Keypad (Alarm Lock DK3000 26D) .....	430.07	19.95
08 71 11 00-2341 EA Replace 2-3/8" Deadbolt (Lori Lock 4510 26D5001) .....	27.65	
<b>08 71 11 00-2342 Pushbutton Combination Locks</b> (08 71 11 00-2251)		
<b>08 71 11 00-2343 Mechanical Pushbutton Combination Locks</b> (08 71 11 00-2342)		
Note: Passage option allows access without using the lock entry code and is activated from the inside with a thumbturn or key. Lockout option disables the lock from the inside so that the entry code cannot be used to gain access.		
<b>08 71 11 00-2344 Mechanical Pushbutton Combination Locks (Kaba® Simplex® 1000 Series)</b>		
(08 71 11 00-2343)		
Note: Satin chrome or antique brass finish.		
08 71 11 00-2345 EA Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1000 Series) .....	385.60	24.94
For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 11 00-2346 EA Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1000 Series) .....	419.23	24.94
For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 11 00-2347 EA Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1000 Series) .....	432.68	24.94
For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 11 00-2348 EA Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1000 Series) .....	466.31	24.94
For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 11 00-2349 EA Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1000 Series) .....	442.77	24.94
For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 11 00-2350 EA Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1000 Series) .....	476.39	24.94
For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 11 00-2351 EA Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1000 Series) .....	489.84	24.94
For Bright Chrome Or Bright Brass Finish, Add	17.50	
08 71 11 00-2352 EA Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1000 Series) .....	523.47	24.94
For Bright Chrome Or Bright Brass Finish, Add	17.50	
<b>08 71 11 00-2353 Mechanical Pushbutton Combination Locks (Kaba® Simplex® 5000 Series)</b>		
(08 71 11 00-2343)		
Note: ANSI/BHMA Grade 1, Satin chrome finish or black with satin chrome accents.		
08 71 11 00-2354 EA Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series) .....	434.69	24.94
For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50	
For Dark Bronze Finish With Brass Accents, Add	70.00	
08 71 11 00-2355 EA Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series) .....	461.60	24.94
For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	17.50	
For Dark Bronze Finish With Brass Accents, Add	70.00	



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2356	EA		Five Button, Mortise Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	515.40	24.94
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2357	EA		Five Button, Mortise Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	535.58	24.94
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2358	EA		Five Button, Mortise Locking Device With Deadbolt And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	535.58	24.94
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2359	EA		Five Button, Exit Trim, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	501.95	24.94
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
<b>08 71 11 00-2360</b>			<b>Mechanical Pushbutton Combination Locks (Kaba® Simplex® 8100 Series)</b> <small>(08 71 11 00-2343)</small> Note: Satin chrome or antique brass finish.		
08 71 11 00-2361	EA		Five Button, Mortise Locking Device With Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series).....	540.29	24.94
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
08 71 11 00-2362	EA		Five Button, Mortise Locking Device With Deadbolt, Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series).....	560.46	24.94
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
<b>08 71 11 00-2363</b>			<b>Mechanical Pushbutton Combination Locks (Kaba® Simplex® LD 450/470)</b> <small>(08 71 11 00-2343)</small> Note: Satin stainless, bright brass or antique brass finish.		
08 71 11 00-2364	EA		Twelve Button, Tubular Latch Locking Device, Light Duty, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® LD 450 Series).....	192.57	24.94
08 71 11 00-2365	EA		Twelve Button, Tubular Latch Locking Device With Passage, Light Duty, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® LD 470 Series).....	281.35	24.94
<b>08 71 11 00-2366</b>			<b>Electrical Pushbutton Combination Locks</b> <small>(08 71 11 00-2342)</small> Note: Privacy option limits access to privileged users (master codes).		
<b>08 71 11 00-2367</b>			<b>Electrical Pushbutton Combination Locks (Kaba® E-Plex® 2000 Series)</b> <small>(08 71 11 00-2366)</small> Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 100 access codes and 1,000 audit events.		
08 71 11 00-2368	EA		Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	402.41	24.94
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2369	EA		Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	483.12	24.94
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2370	EA		Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	503.30	24.94
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2371	EA		Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	469.67	24.94
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2372	EA		Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	436.04	24.94
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2373	EA		Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	503.30	24.94
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2374	EA		Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	516.75	24.94
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2375	EA		Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	536.92	24.94
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2376	EA		Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	503.30	24.94
			<i>For Satin Brass Finish, Add</i>	17.50	
<b>08 71 11 00-2377</b>			<b>Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3000 Series)</b> <small>(08 71 11 00-2366)</small> Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 300 access codes and 9,000 audit events.		
08 71 11 00-2378	EA		Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series).....	536.92	24.94
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	70.96	
			Note: Excludes momentary contact switch.		
08 71 11 00-2379	EA		Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series).....	536.92	24.94
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	70.96	
			Note: Excludes momentary contact switch.		

**08 Openings****08 70 Hardware**

08 71 Door Hardware

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 71 11 00-2380	<b>Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3200 Series)</b> <small>(08 71 11 00-2366)</small>			
	Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.			
08 71 11 00-2381	EA	Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series) .....	641.17	24.94
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	70.96	
		Note: Excludes momentary contact switch.		
08 71 11 00-2382	EA	Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series) .....	641.17	24.94
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	70.96	
		Note: Excludes momentary contact switch.		
08 71 11 00-2383	<b>Electrical Pushbutton Combination Locks (Kaba® E-Plex® 5200 Series)</b> <small>(08 71 11 00-2366)</small>			
	Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.			
08 71 11 00-2384	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series) .....	694.98	24.94
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	70.96	
		Note: Excludes momentary contact switch.		
08 71 11 00-2385	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series) .....	762.23	24.94
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	70.96	
		Note: Excludes momentary contact switch.		
08 71 11 00-2386	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series) .....	775.68	24.94
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	70.96	
		Note: Excludes momentary contact switch.		
08 71 11 00-2387	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series) .....	795.86	24.94
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	70.96	
		Note: Excludes momentary contact switch.		
08 71 11 00-2388	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series) .....	762.23	24.94
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	70.96	
		Note: Excludes momentary contact switch.		
08 71 11 00-2389	<b>Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5800 Series)</b> <small>(08 71 11 00-2366)</small>			
	Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.			
08 71 11 00-2390	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series) .....	1,014.44	24.94
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	70.96	
		Note: Excludes momentary contact switch.		
08 71 11 00-2391	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series) .....	1,081.70	24.94
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	70.96	
		Note: Excludes momentary contact switch.		
08 71 11 00-2392	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series) .....	1,095.15	24.94
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	70.96	
		Note: Excludes momentary contact switch.		
08 71 11 00-2393	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series) .....	1,115.33	24.94
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	70.96	
		Note: Excludes momentary contact switch.		



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2394	EA		Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	1,081.70	24.94
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	70.96	
			<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2395			<b>Entry/Egress, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5886 Series)</b> (08 71 11 00-2366)		
			Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2396	EA		Twelve Button, Mortise Locking Device, Entry/Egress, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5886 Series).....	1,471.78	24.94
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	35.00	
08 71 11 00-2397			<b>Stand Alone Access Controller, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5870 Series)</b> (08 71 11 00-2366)		
			Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2398	EA		Twelve Button, Stand Alone Access Controller, Electrical Pushbutton Combination Lock/Card Reader (Kaba® E-Plex® 5870 Series).....	896.74	24.94
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2399			<b>Self-Powered, Electrical Pushbutton Combination Locks (Kaba® PowerPlex® 2000 Series)</b> (08 71 11 00-2366)		
			Note: ANSI/BHMA Grade 1. Satin chrome finish.		
08 71 11 00-2400	EA		Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	520.11	24.94
			<i>For Owner Furnished Material, Deduct</i>	-420.35	
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2401	EA		Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	600.82	24.94
			<i>For Owner Furnished Material, Deduct</i>	-501.06	
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2402	EA		Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	620.99	24.94
			<i>For Owner Furnished Material, Deduct</i>	-521.23	
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2403	EA		Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	587.37	24.94
			<i>For Owner Furnished Material, Deduct</i>	-487.61	
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2404	EA		Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	553.74	24.94
			<i>For Owner Furnished Material, Deduct</i>	-453.98	
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2405	EA		Twelve Button, Cylindrical Locking Device With Privacy, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	620.99	24.94
			<i>For Owner Furnished Material, Deduct</i>	-521.23	
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2406	EA		Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	634.45	24.94
			<i>For Owner Furnished Material, Deduct</i>	-534.69	
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2407	EA		Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	654.62	24.94
			<i>For Owner Furnished Material, Deduct</i>	-554.86	
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2408	EA		Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	620.99	24.94
			<i>For Owner Furnished Material, Deduct</i>	-521.23	
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2409			<b>Electrical Pushbutton Combination Lock Accessories (Kaba® E-Plex®)</b> (08 71 11 00-2366)		
08 71 11 00-2410	EA		Standard Software Implementation Kit (Kaba® E-Plex®).....	416.09	
08 71 11 00-2411	EA		Enterprise Software Implementation Kit (Kaba® E-Plex®).....	550.60	
08 71 11 00-2412	EA		E-Plex General FIPS Software Implementation Kit (Kaba® E-Plex®).....	752.37	
08 71 11 00-2413	EA		USB FIPS/DESFire Card Reader/Enroller (Kaba® E-Plex®).....	211.40	
08 71 11 00-2414	EA		High Capacity Battery Kit (Kaba® E-Plex® E5x00 Series).....	66.48	
			Note: Includes 4 C-cell battery pack.		
08 71 11 00-2415	EA		12-24 VDC Power Interface Kit (Kaba® E-Plex® E5x00 Series).....	80.60	
08 71 11 00-2416			<b>Electrical Pushbutton Combination Locks (Schlage)</b> (08 71 11 00-2366)		
			Note: ANSI/BHMA Grade 1. Satin chrome finish.		

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2417 EA Class 100, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO100CY70KP626BD-D).....	510.70	24.56
<i>For Owner Furnished Material, Deduct</i>	-412.46	
08 71 11 00-2418 EA Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70KP-D).....	603.29	24.56
<i>For Owner Furnished Material, Deduct</i>	-505.05	
08 71 11 00-2419 EA Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70MSK626) .....	690.47	24.56
<i>For Owner Furnished Material, Deduct</i>	-592.23	
08 71 11 00-2420 EA Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70KP626).....	924.96	24.56
<i>For Owner Furnished Material, Deduct</i>	-826.72	
08 71 11 00-2421 EA Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70MKS626).....	1,018.15	24.56
<i>For Owner Furnished Material, Deduct</i>	-919.91	
08 71 11 00-2422 EA Class 400, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD400CY70MSKSPA626) .....	1,127.58	24.56
<i>For Owner Furnished Material, Deduct</i>	-1,029.34	
08 71 11 00-2423 EA Class 300, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD300CY70MSKSPA626) .....	1,030.18	24.56
<i>For Owner Furnished Material, Deduct</i>	-931.94	
<b>08 71 11 00-2424 Deadbolts</b> (08 71 11 00-2251)		
<b>08 71 11 00-2425 Cylindrical Deadbolts, Grade 1, ANSI 156.5</b> (08 71 11 00-2424)		
Note: 2-3/8" or 2-3/4" backset.		
08 71 11 00-2426 EA Single Cylinder Deadbolt, Key One Side, Knob One Side .....	90.24	9.82
Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.		
<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	
08 71 11 00-2427 EA Double Cylinder Deadbolt, Key Both Sides.....	105.81	9.82
Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.		
<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	
<b>08 71 11 00-2428 Cylindrical Deadbolts, Grade 2, ANSI 156.5</b> (08 71 11 00-2424)		
Note: 2-3/8" or 2-3/4" backset.		
08 71 11 00-2429 EA Single Cylinder Deadbolt, Key One Side, Knob One Side .....	79.58	9.82
Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.		
<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	
08 71 11 00-2430 EA Double Cylinder Deadbolt, Key Both Sides.....	96.58	9.82
Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.		
<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	
<b>08 71 11 00-2431 Small Case Mortised Deadbolts, Grade 1, ANSI 156.5</b> (08 71 11 00-2424)		
Note: Interchangeable cores with small case size, 4-1/2" x 3-1/2" nominal.		
08 71 11 00-2432 EA Small Case Mortised Deadbolt, Key One Side, Knob One Side .....	117.69	9.82
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).		
08 71 11 00-2433 EA Small Case Mortised Deadbolt, Key Both Sides .....	132.10	9.82
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal). Also used for Classroom version.		
08 71 11 00-2434 EA Small Case Mortised Deadbolt, Key One Side, Cover Plate One Side .....	114.81	9.82
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).		
<b>08 71 11 00-2435 Mortised Deadbolts, Grade 1, ANSI 156.5</b> (08 71 11 00-2424)		
Note: Interchangeable cores with standard case size, 4-1/2" x 6" nominal.		
08 71 11 00-2436 EA Mortised Deadbolt, Key One Side, Knob One Side.....	156.89	9.82
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).		
08 71 11 00-2437 EA Mortised Deadbolt, Key Both Sides .....	180.53	9.82
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal). Also used for Classroom version.		
08 71 11 00-2438 EA Mortised Deadbolt, Key One Side, Cover Plate One Side .....	136.72	9.82
Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).		
<b>08 71 11 00-2439 Surface Mounted Deadbolts</b> (08 71 11 00-2424)		
08 71 11 00-2440 EA Single Cylinder Surface Mounted Deadbolt .....	56.35	9.82
Note: Key one side, knob one side, bright brass finish.		
<i>For Brushed Chrome Finish, Add</i>	10.50	
08 71 11 00-2441 EA Double Cylinder Surface Mounted Deadbolt.....	66.77	9.82
Note: Key both sides, bright brass finish.		
<i>For Brushed Chrome Finish, Add</i>	10.50	
08 71 11 00-2442 EA Single Cylinder Surface Mounted Interlocking Deadbolt.....	75.05	9.82
Note: Jimmy proof, key one side, knob one side, bright brass finish.		
<i>For Brushed Chrome Finish, Add</i>	10.50	
08 71 11 00-2443 EA Double Cylinder Surface Mounted Interlocking Deadbolt.....	85.47	9.82
Note: Jimmy proof, key both sides, bright brass finish.		
<i>For Brushed Chrome Finish, Add</i>	10.50	
<b>08 71 11 00-2444 Surface Mounted Deadlatches</b> (08 71 11 00-2251)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2445	EA		Single Cylinder Surface Mounted Deadlatch ..... Note: Key one side, knob one side, bright brass finish.	57.17	9.82
			<i>For Brushed Chrome Finish, Add</i>	10.50	
08 71 11 00-2446	EA		Single Cylinder Surface Mounted Interlocking Deadlatch ..... Note: Jimmy proof, key one side, knob one side, bright brass finish.	75.09	9.82
			<i>For Brushed Chrome Finish, Add</i>	10.50	
<b>08 71 11 00-2447 Electric Strikes (08 71 11 00-2251)</b>					
08 71 11 00-2448	EA		12/24VDC, Fail Safe/Fail Secure, Aluminum/Steel Body Electric Strike (Von Duprin 5100).....	174.50	19.65
08 71 11 00-2449	EA		12/24 VDC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6111)..... Note: For rim mounted lock	582.22	19.65
08 71 11 00-2450	EA		12/24 VDC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6112)..... Note: For rim mounted lock	554.63	19.65
08 71 11 00-2451	EA		24 VDC, Fail Secure, Stainless Steel Body Electric Strike (Von Duprin 6211) ..... Note: For mortise or cylindrical locks	419.07	19.65
08 71 11 00-2452	EA		24 VDC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6212)..... Note: For mortise or cylindrical locks	585.16	19.65
08 71 11 00-2453	EA		24 VDC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6213)..... Note: For mortise or cylindrical locks	573.19	19.65
08 71 11 00-2454	EA		24 VDC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6214)..... Note: For mortise or cylindrical locks	628.42	19.65
08 71 11 00-2455	EA		24 VDC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6215)..... Note: For mortise or cylindrical locks	582.72	19.65
08 71 11 00-2456	EA		Dual Voltage Electric Strike, Stainless Steel Body, 12/24 Volts DC, 3,070 LB Static Strength (HES 1006).....	348.24	19.65
08 71 11 00-2457	EA		Fire Rated Electric Strike, Stainless Steel Body, 12/24 Volts DC, 3,000 LB Static Strength (HES 4500).....	345.97	19.65
08 71 11 00-2458	EA		Low Profile Electric Strike, Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 5000).....	150.59	19.65
08 71 11 00-2459	EA		Adjustable Electric Strike, Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 5200).....	150.59	19.65
08 71 11 00-2460	EA		Electric Strike With Preload, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength, Cylindrical Or Rim Exit Device (HES 7000).....	203.66	19.65
08 71 11 00-2461	EA		Cylindrical Lock Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 7500).....	391.35	19.65
08 71 11 00-2463	EA		Compact Concealed Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 8000).....	175.17	19.65
08 71 11 00-2464	EA		Fire Rated Compact Concealed Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 8300).....	356.68	19.65
08 71 11 00-2466	EA		Fire Rated Concealed Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 8500).....	310.93	19.65
08 71 11 00-2465	EA		Slim Line Surface Mounted Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength (HES 9400).....	364.41	25.93
08 71 11 00-2466	EA		Fire Rated Surface Mounted Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength, Rim Exit Device (HES 9500).....	421.47	25.93
08 71 11 00-2467	EA		Surface Mounted Electric Strike, Stainless Steel Body, 12/24 Volts DC, 1,500 LB Static Strength, Rim Exit Device (HES 9600).....	364.71	25.93
<b>08 71 11 00-2468 Electric Hardware (08 71 11 00-2251)</b>					
08 71 11 00-2469	EA		Electrified Cylindrical Lock Option ..... Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.	101.74	
08 71 11 00-2470	EA		Electrified Mortise Lock Option ..... Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.	120.81	
08 71 11 00-2471	EA		24" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	55.69	9.82
08 71 11 00-2472	EA		1 Amp At 12/24 Volt DC, Door Hardware Power Supply .....	203.60	9.82
08 71 11 00-2473	EA		3 Amp At 12 Volt DC, 2 Amp At 24 Volt DC, Door Hardware Power Supply.....	371.41	9.82
08 71 11 00-2474	EA		4.5 Amp At 12 Volt DC, 3 Amp At 24 Volt DC, Door Hardware Power Supply.....	582.33	9.82
08 71 11 00-2475	EA		6 Amp At 12 Volt DC, 4 Amp At 24 Volt DC, Door Hardware Power Supply.....	644.84	9.82
08 71 11 00-2476	EA		9 Amp At 12 Volt DC, 6 Amp At 24 Volt DC, Door Hardware Power Supply.....	774.50	9.82
08 71 11 00-2477	EA		15 Amp At 12 Volt DC, 10 Amp At 24 Volt DC, Door Hardware Power Supply.....	944.78	9.82
08 71 11 00-2478	EA		18" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	44.58	9.82
08 71 11 00-2479	EA		24" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	45.89	9.82
08 71 11 00-2480	EA		30" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	53.93	9.82
08 71 11 00-2481	EA		45" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	55.52	9.82
08 71 11 00-2482	EA		60" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	56.33	9.82
08 71 11 00-2483	EA		72" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	60.94	9.82
08 71 11 00-2484	EA		12" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	45.42	9.82
08 71 11 00-2485	EA		18" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	51.86	9.82
08 71 11 00-2486	EA		36" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	56.96	9.82
08 71 11 00-2487	EA		49" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	65.77	9.82
08 71 11 00-2488	EA		60" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	68.22	9.82
08 71 11 00-2489	EA		12" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	53.47	9.82
08 71 11 00-2490	EA		18" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	62.48	9.82
08 71 11 00-2491	EA		18" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	32.05	9.82
08 71 11 00-2492	EA		24" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	39.02	9.82
08 71 11 00-2493	EA		30" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	42.71	9.82
08 71 11 00-2494	EA		36" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	46.66	9.82
08 71 11 00-2495	EA		60" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	67.20	9.82
08 71 11 00-2496	EA		72" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	75.79	9.82
08 71 11 00-2497	EA		12" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	34.90	9.82
08 71 11 00-2498	EA		18" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	37.59	9.82
08 71 11 00-2499	EA		24" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	45.60	9.82
08 71 11 00-2500	EA		36" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	58.34	9.82
08 71 11 00-2501	EA		48" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	69.74	9.82
08 71 11 00-2502	EA		60" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	88.47	9.82
08 71 11 00-2503	EA		12" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	39.38	9.82
08 71 11 00-2504	EA		18" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop.....	43.50	9.82

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2505 EA Two 18 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer .....	400.71	9.82
08 71 11 00-2506 EA Ten 24 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer.....	431.03	13.76
<b>08 71 11 00-2507 Magnetic Locks</b> (08 71 11 00-2251)		
08 71 11 00-2508 EA Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40).....	409.18	47.16
08 71 11 00-2509 EA Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40TJ).....	497.74	53.05
08 71 11 00-2510 EA Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70).....	493.95	47.16
08 71 11 00-2511 EA Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70TJ).....	582.33	53.05
08 71 11 00-2512 EA Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420).....	513.64	51.08
08 71 11 00-2513 EA Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450).....	571.77	51.08
08 71 11 00-2514 EA Electromagnetic Lock, 1500 lb. Holding Force, Aluminum (Schlage M490).....	617.03	51.08
08 71 11 00-2515 EA Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420P).....	672.45	58.95
Note: Includes magnetic bond sensor, door position switch and relock time delay.		
08 71 11 00-2516 EA Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450P) .....	749.73	58.95
Note: Includes magnetic bond sensor, door position switch and relock time delay.		
08 71 11 00-2517 EA Electromagnetic Lock, 1500 lb. Holding Force, Aluminum (Schlage M490P) .....	784.54	58.95
Note: Includes magnetic bond sensor, door position switch and relock time delay.		
08 71 11 00-2518 EA 2 Amp Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS902).....	231.19	19.65
08 71 11 00-2519 EA 4 Amp Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS904).....	404.82	19.65
08 71 11 00-2520 EA 6 Amp Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS906).....	495.05	19.65
<b>08 71 11 00-2521 Residential Locks And Latchsets</b> (08 71 11 00-2251)		
08 71 11 00-2522 EA Residential Entry Lockset With Knobs (Master Keyed).....	32.98	5.99
08 71 11 00-2523 EA Residential Privacy Lockset With Knobs.....	31.96	5.99
08 71 11 00-2524 EA Residential Passage Lockset With Knobs.....	31.83	5.99
08 71 11 00-2525 EA Residential Dummy Lockset With Knobs .....	24.62	4.99
08 71 11 00-2526 EA Residential Entry Lockset With Levers (Master Keyed) .....	40.00	5.99
08 71 11 00-2527 EA Residential Privacy Lockset With Levers .....	37.67	5.99
08 71 11 00-2528 EA Residential Passage Lockset With Levers .....	35.98	5.99
08 71 11 00-2529 EA Residential Dummy Lockset With Levers.....	25.43	4.99
08 71 11 00-2530 PR Screen Door - Hinges .....	14.95	3.43
08 71 11 00-2531 EA Screen Door - Locking Handle.....	26.85	6.18
08 71 11 00-2532 EA Screen Door - Closer .....	26.24	4.31
<b>08 71 11 00-2533 Door Coordinators</b> (08 71 11)		
08 71 11 00-2534 EA 32" Satin Chrome Finish, Door Coordinator (Ives COR 32" Series).....	258.40	12.28
Note: Satin chrome finish. Includes two mounting brackets.		
For Anodized Aluminum Finish, Deduct	-83.71	
08 71 11 00-2535 EA 42" Satin Chrome Finish, Door Coordinator (Ives COR 42" Series).....	271.80	12.77
Note: Satin chrome finish. Includes two mounting brackets.		
For Anodized Aluminum Finish, Deduct	-88.29	
08 71 11 00-2536 EA 52" Satin Chrome Finish, Door Coordinator (Ives COR 52" Series).....	277.62	13.26
Note: Satin chrome finish. Includes two mounting brackets.		
For Anodized Aluminum Finish, Deduct	-89.83	
08 71 11 00-2537 EA 60" Satin Chrome Finish, Door Coordinator (Ives COR 60" Series).....	290.00	13.76
Note: Satin chrome finish. Includes two mounting brackets.		
For Anodized Aluminum Finish, Deduct	-93.99	
08 71 11 00-2538 EA 72" Satin Chrome Finish, Door Coordinator (Ives COR 72" Series).....	312.63	14.24
Note: Satin chrome finish. Includes two mounting brackets.		
For Anodized Aluminum Finish, Deduct	-102.26	
08 71 11 00-2539 EA Up To 20", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 20") .....	57.28	3.93
For Anodized Aluminum Finish, Deduct	-16.62	
08 71 11 00-2540 EA Up To 32", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 32") .....	62.76	4.42
For Anodized Aluminum Finish, Deduct	-18.03	
08 71 11 00-2541 EA Up To 44", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 44") .....	72.69	4.92
For Anodized Aluminum Finish, Deduct	-21.22	
08 71 11 00-2542 EA Satin Chrome Finish, Carry Bar For Door Coordinator (Ives CB1) .....	49.20	4.92
08 71 11 00-2543 EA 7" Projection COR Series Gravity Type Door Coordinator .....	72.33	7.37
For Anodized Aluminum Finish, Deduct	-17.14	
08 71 11 00-2544 EA 9" Projection COR Series Gravity Type Door Coordinator .....	79.19	7.37
For Anodized Aluminum Finish, Deduct	-19.89	
<b>08 71 11 00-2545 Replacement Folding Door Hardware</b> (08 71 11)		
Note: Includes track, top and bottom pivots, door guide, track stop, panel hinge, bottom pivot bracket, top pivot lock, 4-door aligner (when necessary), and door knob.		
<b>08 71 11 00-2546 2-Door Folding Door Hardware</b> (08 71 11 00-2545)		
08 71 11 00-2547 SET 24" Track, 40 LB Capacity, 2 Panel Bi-Fold Door Hardware.....	101.11	39.29
Note: Aluminum, top mounted. For replacement only.		
08 71 11 00-2548 SET 30" Track, 40 LB Capacity, 2 Panel Bi-Fold Door Hardware.....	104.86	40.28
Note: Aluminum, top mounted. For replacement only.		
08 71 11 00-2549 SET 36" Track, 40 LB Capacity, 2 Panel Bi-Fold Door Hardware.....	106.83	41.26
Note: Aluminum, top mounted. For replacement only.		
08 71 11 00-2550 SET 36" Track, 50 LB Capacity, 2 Panel Bi-Fold Door Hardware.....	118.36	41.26
Note: Aluminum, top mounted. For replacement only.		
<b>08 71 11 00-2551 4-Door Folding Door Hardware</b> (08 71 11 00-2545)		



<b>Openings</b>	<b>08</b>	<b>08</b>
Hardware	08 70	
Door Hardware	08 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2552 SET 48" Track, 40 LB Capacity, 4 Panel Bi-Folding Door Hardware.....	157.23	58.95
Note: Aluminum, top mounted. For replacement only.		
08 71 11 00-2553 SET 48" Track, 50 LB Capacity, 4 Panel Bi-Folding Door Hardware.....	175.87	58.95
Note: Aluminum, top mounted. For replacement only.		
08 71 11 00-2554 SET 60" Track, 40 LB Capacity, 4 Panel Bi-Folding Door Hardware.....	161.35	58.95
Note: Aluminum, top mounted. For replacement only.		
08 71 11 00-2555 SET 60" Track, 50 LB Capacity, 4 Panel Bi-Folding Door Hardware.....	180.55	58.95
Note: Aluminum, top mounted. For replacement only.		
08 71 11 00-2556 SET 72" Track, 40 LB Capacity, 4 Panel Bi-Folding Door Hardware.....	165.32	60.91
Note: Aluminum, top mounted. For replacement only.		
08 71 11 00-2557 SET 72" Track, 50 LB Capacity, 4 Panel Bi-Folding Door Hardware.....	185.36	60.91
Note: Aluminum, top mounted. For replacement only.		
08 71 11 00-2558 SET 96" Track, 40 LB Capacity, 4 Panel Bi-Folding Door Hardware.....	159.62	60.91
Note: Aluminum, top mounted. For replacement only.		
08 71 11 00-2559 SET 96" Track, 50 LB Capacity, 4 Panel Bi-Folding Door Hardware.....	171.88	60.91
Note: Aluminum, top mounted. For replacement only.		
<b>08 71 11 00-2560 Replacement Sliding Door Hardware (08 71 11)</b>		
Note: Hardware includes track, door pull, by-pass door guide, door stop, standard hanger, and track stop.		
<b>08 71 11 00-2561 2-Door Sliding Door Hardware (08 71 11 00-2560)</b>		
08 71 11 00-2562 SET 48" Track, 100 LB Capacity, 2 Door Sliding Door Hardware.....	66.07	19.65
Note: Aluminum fascia track. For replacement only.		
08 71 11 00-2563 SET 48" Track, 150 LB Capacity, 2 Door Sliding Door Hardware.....	96.21	19.65
Note: Aluminum fascia track. For replacement only.		
08 71 11 00-2564 SET 60" Track, 100 LB Capacity, 2 Door Sliding Door Hardware.....	73.50	21.61
Note: Aluminum fascia track. For replacement only.		
08 71 11 00-2565 SET 60" Track, 150 LB Capacity, 2 Door Sliding Door Hardware.....	106.31	21.61
Note: Aluminum fascia track. For replacement only.		
08 71 11 00-2566 SET 72" Track, 100 LB Capacity, 2 Door Sliding Door Hardware.....	88.06	23.58
Note: Aluminum fascia track. For replacement only.		
08 71 11 00-2567 SET 72" Track, 150 LB Capacity, 2 Door Sliding Door Hardware.....	116.61	23.58
Note: Aluminum fascia track. For replacement only.		
<b>08 71 11 00-2568 4-Door Sliding Door Hardware (08 71 11 00-2560)</b>		
08 71 11 00-2569 SET 96" Track, 200 LB Capacity, 4 Door Sliding Door Hardware.....	148.00	39.29
Note: Aluminum fascia track. For replacement only.		
08 71 11 00-2570 SET 96" Track, 300 LB Capacity, 4 Door Sliding Door Hardware.....	188.15	39.29
Note: Aluminum fascia track. For replacement only.		
<b>08 71 11 00-2571 Removal And Reinstallation Of Door Hardware (08 71 11)</b>		
Note: Includes storage and cleaning. Excludes removal of door where required. See CSI section 08 05 13 00-0041 for removal and reinstallation of door.		
08 71 11 00-2572 EA Removal And Reinstallation Of Door Lockset, Entrance.....	29.47	
08 71 11 00-2573 EA Removal And Reinstallation Of Door Lockset, Mortise.....	47.15	
08 71 11 00-2574 EA Removal And Reinstallation Of Deadbolt Lock.....	31.44	
08 71 11 00-2575 PR Removal And Reinstallation Of Butts/Hinges.....	7.86	
08 71 11 00-2576 EA Removal And Reinstallation Of Door Bumper.....	2.75	
08 71 11 00-2577 EA Removal And Reinstallation Of Surface Mounted Panic Device.....	78.59	
08 71 11 00-2578 EA Removal And Reinstallation Of Kick Plate.....	9.82	
08 71 11 00-2579 EA Removal And Reinstallation Of Push Plate.....	7.86	
08 71 11 00-2580 EA Removal And Reinstallation Of Surface Mounted Door Closer Or Holder.....	39.29	
08 71 11 00-2581 EA Removal And Reinstallation Of Door Handles.....	5.90	
<b>08 71 11 00-2582 Electromagnetic Door Release (08 71 11)</b>		
08 71 11 00-2583 EA Electro-Magnetic Door Release, Wall Mount, Surface 120 Volt AC, 24 Volt AC/DC, 12 Volt DC.....	271.70	24.76
08 71 11 00-2584 EA Electro-Magnetic Door Release, Wall Mount, Recessed 120 Volt AC, 24 Volt AC/DC, 12 Volt DC.....	263.18	24.76
08 71 11 00-2585 EA Electro-Magnetic Door Release, Wall Mount, Recessed, Adjustable 120 Volt AC, 24 Volt AC/DC, 12 Volt DC.....	306.17	24.76
08 71 11 00-2586 EA Electro-Magnetic Door Release, Wall Mount, Surface Or Recessed, High Hold 24 Volt AC/DC.....	559.95	24.76
08 71 11 00-2587 EA Electro-Magnetic Door Release, Sliding Door 24 Volt DC.....	537.32	24.76
08 71 11 00-2588 EA Electro-Magnetic Door Release, Overhead Door 120 Volt AC, 24 Volt AC/DC, 12 Volt DC.....	537.32	24.76
08 71 11 00-2589 EA Electro-Magnetic Door Release, Floor Mount, Single Door 120 Volt AC, 24 Volt AC/DC, 12 Volt DC.....	481.97	24.76
08 71 11 00-2590 EA Electro-Magnetic Door Release, Floor Mount, Back-to-Back Door 120 Volt AC, 24 Volt AC/DC, 12 Volt DC.....	621.91	24.76
08 71 11 00-2591 EA Photo Electric Smoke Detector Suitable For Door Holder Release.....	575.60	24.76
08 71 11 00-2592 EA Ionization Type Smoke Detector Suitable For Door Holder Release.....	733.03	24.76
08 71 11 00-2593 EA Surface Wall Mount, Electromagnetic Door Holder (Sargent 1560).....	314.35	24.76
Note: 120 volt AC, 24 volt AC/DC, 12 volt DC		
08 71 11 00-2594 EA Flush Mount, Electromagnetic Door Holder (Sargent 1561).....	307.73	24.76
Note: 120 volt AC, 24 volt AC/DC, 12 volt DC		
08 71 11 00-2595 EA Floor Mount, Electromagnetic Door Holder (LCN SEM7820).....	514.51	24.76
Note: 120 volt AC, 24 volt AC/DC, 12 volt DC		
08 71 11 00-2596 EA Surface Wall Mount, Electromagnetic Door Holder (LCN SEM7830).....	335.49	24.76
Note: 120 volt AC, 24 volt AC/DC, 12 volt DC		
08 71 11 00-2597 EA Low Profile Recessed Wall Mount, Electromagnetic Door Holder (LCN SEM7840).....	335.49	24.76
Note: 120 volt AC, 24 volt AC/DC, 12 volt DC		
08 71 11 00-2598 EA Recessed Wall Mount, Electromagnetic Door Holder (LCN SEM7850).....	335.49	24.76
Note: 120 volt AC, 24 volt AC/DC, 12 volt DC		



**08 Openings**

08 70 Hardware

08 71 Door Hardware

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**08 71 53 Security Door Hardware** (08 71)**08 71 53 00-0001 Door Exit Alarm Hardware** (08 71 53)

08 71 53 00-0002	EA	Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500) .....	195.56	14.74
08 71 53 00-0003	EA	Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500W).....	279.50	14.74
08 71 53 00-0004	EA	Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300) .....	231.41	14.74
		Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.		
08 71 53 00-0005	EA	Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300W).....	305.65	14.74
		Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.		
08 71 53 00-0006	EA	Wall Mount Exit Alarm, Audible Alarm, AC/DC (Detex EAX-2500) .....	351.11	19.65
08 71 53 00-0007	EA	Surface Mounted Magnetic Switch (Detex MS-1039S or MS-1059S) .....	59.62	19.65
		Note: For use with Detex EAX exit alarms.		

**08 72 Weatherstripping, Thresholds And Seals** (08 70)**08 72 33 Weatherstripping And Seals** (08 72)**08 72 33 00-0001 Weather-Stripping And Seals** (08 72 33)**08 72 33 00-0002 Astragals** (08 72 33 00-0001)

Note: Astragal and meeting stile seals are used to seal the gap between a pair of doors.

**08 72 33 00-0003 Adhesive Backed Astragals** (08 72 33 00-0002)

08 72 33 00-0004	LF	7/16" Width, 9/32" Height, Edge Mount, Single Fin, Adhesive Backed Flexible Astragal (Pemko S771) .....	2.96	0.29
08 72 33 00-0005	LF	1/2" Width, 3/16" Height, Edge Mount, Double Fin, Adhesive Backed Flexible Astragal (Pemko S772).....	3.38	0.29
08 72 33 00-0006	LF	1-1/8" Width, 3/16" Height, Mullion Mount, Adhesive Backed Mullion Gasketing (Pemko 5110) .....	2.42	0.29

**08 72 33 00-0007 Overlapping Astragals** (08 72 33 00-0002)**08 72 33 00-0008 Aluminum, Overlapping Astragals** (08 72 33 00-0007)

08 72 33 00-0009	LF	2" Width, 1/8" Height, Clear Anodized Aluminum, Overlapping Astragal (Pemko 357C) .....	10.47	1.76
		<i>For Color Anodized Finish, Add</i>	2.09	

**08 72 33 00-0010 Stainless Steel, Overlapping Astragals** (08 72 33 00-0007)

08 72 33 00-0011	LF	2" Width, 1/8" Height, Stainless Steel, Overlapping Astragal (Pemko 357SS) .....	25.36	1.76
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**08 72 33 00-0012 "T" Astragals** (08 72 33 00-0002)**08 72 33 00-0013 Aluminum, "T" Astragals** (08 72 33 00-0012)

08 72 33 00-0014	LF	1" Width, 11/16" Height, Mill Aluminum, "T" Astragal (Pemko 359A) .....	5.37	1.76
		<i>For Color Anodized Finish, Add</i>	0.66	
08 72 33 00-0015	LF	Vinyl Insert, 3/4" Width, 1/4" Height, Mill Aluminum, "T" Astragal (Pemko 356AV) .....	7.82	1.76
		<i>For Color Anodized Finish, Add</i>	0.87	
08 72 33 00-0016	LF	Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 355CP).....	8.20	1.76
		<i>For Color Anodized Finish, Add</i>	1.65	
		<i>For Silicone Insert, Add</i>	0.63	
08 72 33 00-0017	LF	Neoprene Sponge Insert, 1-1/8" Width, 1/2" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 352CR) .....	18.69	1.76
		<i>For Color Anodized Finish, Add</i>	5.32	

**08 72 33 00-0018 Brass/Bronze, "T" Astragals** (08 72 33 00-0012)

08 72 33 00-0019	LF	Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Brass/Bronze, "T" Astragal (Pemko 355BP) .....	41.80	1.76
		<i>For Silicone Insert, Add</i>	0.63	

**08 72 33 00-0020 Locking Astragals** (08 72 33 00-0002)**08 72 33 00-0021 Outswing Locking Astragals** (08 72 33 00-0020)

Note: Includes two units. A housing containing the locking bolt which fastens to the inactive leaf and a "T" astragal with a seal that fastens to the active leaf.

**08 72 33 00-0022 Aluminum, Outswing Locking Astragals** (08 72 33 00-0021)

08 72 33 00-0023	LF	Slide Bolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3443CS) .....	26.41	1.76
		Note: Includes pile seal at inner door edge and neoprene bottom seal.		
		<i>For Color Anodized Finish, Add</i>	4.58	
08 72 33 00-0024	LF	Locking Springbolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3444CS) .....	31.33	1.76
		Note: Includes pile seal at inner door edge and neoprene bottom seal.		
		<i>For Color Anodized Finish, Add</i>	5.57	
08 72 33 00-0025	LF	Slide Bolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3445BDQ) .....	30.14	1.76
		Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
		<i>For Thermal Break, Add</i>	1.60	
08 72 33 00-0026	LF	Locking Springbolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3446BDGQ) .....	34.13	1.76
		Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
		<i>For Thermal Break, Add</i>	1.84	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Hardware</b>	<b>08 70</b>	
<b>Weatherstripping, Thresholds And Seals</b>	<b>08 72</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 72 33 00-0027 Inswing Locking Astragals</b> (08 72 33 00-0020) Note: Includes one unit containing the locking bolt and astragal with seal, which fastens to the inactive leaf.		
<b>08 72 33 00-0028 Wood, Inswing Locking Astragals</b> (08 72 33 00-0027)		
08 72 33 00-0029 LF Flush Bolt, 1-1/4" Width, 1/2" Height, Wood, Inswing Locking Astragal (Pemko 3483Z) .....	31.63	1.76
08 72 33 00-0030 LF Flush Bolt, 1-1/4" Width, 1-3/16" Height, Wood, Inswing Locking Astragal (Pemko 3481Q) .....	31.45	1.76
Note: Includes kerf-in foam seal.		
<b>08 72 33 00-0031 Aluminum, Inswing Locking Astragals</b> (08 72 33 00-0027)		
08 72 33 00-0032 LF Slide Bolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3493CV) .....	16.11	1.76
Note: Includes pile seal at inner door edge and neoprene bottom seal.		
For Silicone Insert, Add	0.63	
For Color Anodized Finish, Add	2.52	
08 72 33 00-0033 LF Locking Springbolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3494CV) .....	20.22	1.76
Note: Includes pile seal at inner door edge and neoprene bottom seal.		
For Silicone Insert, Add	0.63	
For Color Anodized Finish, Add	3.35	
08 72 33 00-0034 LF Slide Bolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3495CQ) .....	17.67	1.76
Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
For Magnetic Kerf-In Insert, Add	0.47	
For Color Anodized Finish, Add	2.84	
08 72 33 00-0035 LF Locking Springbolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3496CQ) .....	21.74	1.76
Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
For Magnetic Kerf-In Insert, Add	0.47	
For Color Anodized Finish, Add	3.65	
<b>08 72 33 00-0036 Security Astragals</b> (08 72 33 00-0002)		
08 72 33 00-0037 LF Vinyl Seal, 1/2" Thick Cam, 1-3/4" Width, Clear Anodized Aluminum, Security Astragal (Pemko 378C) .....	14.75	1.76
For Color Anodized Finish, Add	11.26	
08 72 33 00-0038 LF 2-1/4" Width, 10 Gauge Galvanized Steel, Offset Security Bar, Security Astragal (Pemko 3572SP) .....	27.67	1.76
<b>08 72 33 00-0039 Meeting Stile Astragals</b> (08 72 33 00-0002)		
<b>08 72 33 00-0040 One Piece, Meeting Stile Astragals</b> (08 72 33 00-0039) Note: Includes an astragal for one door only.		
08 72 33 00-0041 LF 1/4" Vinyl Or Pile Insert, 5/32" Width, 13/32" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 369AP) .....	7.68	1.76
For Color Anodized Finish, Add	1.26	
08 72 33 00-0042 LF 1/4" Neoprene Loop Insert, 7/16" Width, 3/4" Height, Surface/Mortise Mount, Mill Aluminum, One Piece, Meeting Stile Astragal (Pemko 313AN) .....	12.23	2.63
For Color Anodized Finish, Add	2.79	
08 72 33 00-0043 LF 9/16" Neoprene Loop Insert, 3/4" Width, 1-3/8" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 314CN) .....	18.30	2.63
For Color Anodized Finish, Add	1.31	
08 72 33 00-0044 LF 15/16" Neoprene Loop Insert, 1-1/8" Width, 1-3/4" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 358CN) .....	19.08	2.63
For Color Anodized Finish, Add	3.46	
08 72 33 00-0045 LF 1/8" Width, 1-1/2" Height, Side Mount, Spring Bronze, One Piece, Meeting Stile Astragal (Pemko B71) .....	22.53	2.63
<b>08 72 33 00-0046 Two Piece, Meeting Stile Split Astragals</b> (08 72 33 00-0039) Note: Includes one astragal for each door.		
08 72 33 00-0047 LF 1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 297AV) .....	8.46	2.63
For Silicone Insert, Add	0.95	
For Color Anodized Finish, Add	3.21	
08 72 33 00-0048 LF 1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 316AV) .....	8.46	2.63
For Color Anodized Finish, Add	3.21	
08 72 33 00-0049 LF 1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 303AV) .....	8.46	2.63
For Silicone Insert, Add	0.95	
For Color Anodized Finish, Add	3.21	
08 72 33 00-0050 LF 3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 305CN) .....	16.98	2.63
For Silicone Insert, Add	0.63	
For Color Anodized Finish, Add	2.35	
08 72 33 00-0051 LF 3/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18041CNB) .....	12.79	2.63
For Color Anodized Finish, Add	3.02	
08 72 33 00-0052 LF 5/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18061CNB) .....	13.35	2.63
For Color Anodized Finish, Add	3.24	

**08 Openings****08 70 Hardware****08 72 Weatherstripping, Thresholds And Seals**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0053 LF 3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29310CV) .....	17.54	2.63
For Color Anodized Finish, Add	6.15	
For Silicone Insert, Add	0.95	
08 72 33 00-0054 LF 3/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29324CNB).....	18.09	2.63
For Color Anodized Finish, Add	5.14	
08 72 33 00-0055 LF 5/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29326CNB).....	18.65	2.63
For Color Anodized Finish, Add	5.36	
<b>08 72 33 00-0056 Two Piece, Adjustable Meeting Stile Split Astragals (08 72 33 00-0039)</b> Note: Includes one astragal for each door.		
<b>08 72 33 00-0057 Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (08 72 33 00-0056)</b>		
08 72 33 00-0058 LF 3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354CP).....	38.48	2.63
For Color Anodized Finish, Add	8.31	
For Silicone Insert, Add	0.63	
08 72 33 00-0059 LF 3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351CP).....	39.35	2.63
For Silicone Insert, Add	0.63	
For Color Anodized Finish, Add	6.82	
<b>08 72 33 00-0060 Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (08 72 33 00-0056)</b>		
08 72 33 00-0061 LF 3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Mortise Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354BP).....	135.01	2.63
For Silicone Insert, Add	0.63	
08 72 33 00-0062 LF 3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351BP).....	125.93	2.63
For Silicone Insert, Add	0.63	
<b>08 72 33 00-0063 Door Sweeps (08 72 33 00-0001)</b>		
<b>08 72 33 00-0064 Tack On Door Sweeps (08 72 33 00-0063)</b>		
08 72 33 00-0065 LF For Sealing Up To 3/4" Gap, Side Mount, Vinyl Tack On Door Sweep (Pemko V365) .....	2.94	0.98
08 72 33 00-0066 LF For Sealing Up To 5/8" Gap, Bottom Mount, Rubber Tack On Door Sweep (Pemko R364) .....	3.03	0.98
08 72 33 00-0067 LF For Sealing Up To 1-3/8" Gap, Bottom Mount, Vinyl Tack On Door Sweep (Pemko P361V) .....	3.27	0.98
<b>08 72 33 00-0068 Aluminum Retainer Door Sweeps (08 72 33 00-0063)</b>		
<b>08 72 33 00-0069 35 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0068)</b> Note: The retainer mounts to the door face with the sweep positioned 35 degrees from the door. Includes clear anodized finish.		
08 72 33 00-0070 LF 5/16" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35041CNB).....	7.98	1.96
For Color Anodized Finish, Add	1.62	
08 72 33 00-0071 LF 1/2" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35061CNB).....	8.40	1.96
For Color Anodized Finish, Add	1.56	
<b>08 72 33 00-0072 45 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0068)</b> Note: The retainer mounts to the door face with the sweep positioned 45 degrees from the door. Includes clear anodized finish.		
08 72 33 00-0073 LF 1-3/4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45175CNB) .....	15.10	1.96
For Color Anodized Finish, Add	4.47	
08 72 33 00-0074 LF 2-1/2" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45250CNB) .....	16.77	1.96
For Color Anodized Finish, Add	5.14	
08 72 33 00-0075 LF 4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45400CNB).....	20.40	1.96
For Color Anodized Finish, Add	6.59	
<b>08 72 33 00-0076 90 Degree, Aluminum Retainer Door Sweeps (08 72 33 00-0068)</b> Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 72 33 00-0077 LF 3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90041CNB).....	9.37	1.96
For Color Anodized Finish, Add	0.54	
08 72 33 00-0078 LF 5/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90062CNB).....	9.23	1.96
For Color Anodized Finish, Add	0.53	
08 72 33 00-0079 LF 1" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90100CNB).....	10.21	1.96
For Color Anodized Finish, Add	2.20	
08 72 33 00-0080 LF 1-3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90137CNB) .....	10.63	1.96
For Color Anodized Finish, Add	2.68	
08 72 33 00-0081 LF 7/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 315CN).....	8.96	1.96
For Color Anodized Finish, Add	1.26	
08 72 33 00-0082 LF 11/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 368CN).....	12.86	1.96
For Color Anodized Finish, Add	1.79	
08 72 33 00-0083 LF 15/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 321CN).....	9.79	1.96
For Color Anodized Finish, Add	1.17	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Hardware</b>	<b>08 70</b>	
<b>Weatherstripping, Thresholds And Seals</b>	<b>08 72</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0084	LF		9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 308AV) ..... Note: Includes mill finish.	6.13	1.96
			<i>For Color Anodized Finish, Add</i>	1.10	
08 72 33 00-0085	LF		1" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 307AV) ..... Note: Includes mill finish.	6.23	1.96
			<i>For Color Anodized Finish, Add</i>	1.15	
08 72 33 00-0086	LF		1-9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 56AV) ..... Note: Includes mill finish.	7.42	1.96
			<i>For Color Anodized Finish, Add</i>	1.22	
08 72 33 00-0087			<b>180 Degree, Aluminum Retainer Door Sweeps</b> (08 72 33 00-0068) Note: The retainer mounts to the door face with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 72 33 00-0088			<b>180 Degree, Aluminum Retainer Door Sweeps</b> (08 72 33 00-0087)		
08 72 33 00-0089	LF		3/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18041CNB) ..... <i>For Color Anodized Finish, Add</i>	7.70 1.51	1.96
08 72 33 00-0090	LF		5/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18061CNB) ..... <i>For Color Anodized Finish, Add</i>	7.98 1.62	1.96
08 72 33 00-0091	LF		1" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18100CNB) ..... <i>For Color Anodized Finish, Add</i>	10.21 2.20	1.96
08 72 33 00-0092			<b>180 Degree, Concealed Fastener, Aluminum Retainer Door Sweeps</b> (08 72 33 00-0087)		
08 72 33 00-0093	LF		3/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29324CNB) ..... <i>For Color Anodized Finish, Add</i>	10.35 2.57	1.96
08 72 33 00-0094	LF		5/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29326CNB) ..... <i>For Color Anodized Finish, Add</i>	10.63 2.68	1.96
08 72 33 00-0095	LF		1" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 293100CNB) ..... <i>For Color Anodized Finish, Add</i>	11.81 3.15	1.96
08 72 33 00-0096			<b>Mortised, Aluminum Retainer Door Sweeps</b> (08 72 33 00-0068) Note: The retainer is mortised into the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish. Excludes mortising.		
08 72 33 00-0097	LF		1/4" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5025ASB) .....	6.44	1.96
08 72 33 00-0098	LF		13/32" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5041ANB) .....	6.44	1.96
08 72 33 00-0099	LF		5/8" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5061ANB) .....	6.58	1.96
08 72 33 00-0100			<b>Aluminum Retainer Door Sweeps With Rain Drip</b> (08 72 33 00-0063)		
08 72 33 00-0101			<b>90 Degree, Aluminum Retainer Door Sweeps With Rain Drip</b> (08 72 33 00-0100) Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish.		
08 72 33 00-0102	LF		1/4" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 3452AV) ..... <i>For Color Anodized Finish, Add</i>	6.16 1.56	1.96
08 72 33 00-0103	LF		1/2" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 345AV) ..... <i>For Color Anodized Finish, Add</i>	7.98 1.62	1.96
08 72 33 00-0104	LF		3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 3452CNB) ..... Note: Includes clear anodized finish.	9.34	1.96
			<i>For Color Anodized Finish, Add</i>	1.08	
08 72 33 00-0105	LF		7/16" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 345ANB) ..... <i>For Color Anodized Finish, Add</i>	9.58 1.13	1.96
08 72 33 00-0106			<b>Brass/Bronze Retainer Door Sweeps</b> (08 72 33 00-0063)		
08 72 33 00-0107			<b>90 Degree, Brass/Bronze Retainer Door Sweeps</b> (08 72 33 00-0106) Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 72 33 00-0108	LF		7/16" Neoprene Insert, 90 Degree, Brass/Bronze Retainer Door Sweep (Pemko 315BN) .....	12.31	1.96
08 72 33 00-0109			<b>Oak Retainer Door Sweeps</b> (08 72 33 00-0063)		
08 72 33 00-0110			<b>90 Degree, Oak Retainer Door Sweeps</b> (08 72 33 00-0109) Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 72 33 00-0111	LF		9/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18062WNB) .....	9.10	1.96
08 72 33 00-0112	LF		15/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18100WNB) .....	11.30	1.96
08 72 33 00-0113			<b>Door Shoes And Bottoms</b> (08 72 33 00-0001)		
08 72 33 00-0114			<b>Door Shoes</b> (08 72 33 00-0113)		
08 72 33 00-0115			<b>Aluminum Retainer Door Shoes</b> (08 72 33 00-0114)		
08 72 33 00-0116			<b>Bottom Mount, Aluminum Retainer Door Shoes</b> (08 72 33 00-0115)		
08 72 33 00-0117	LF		Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 234AV) ..... <i>For Color Anodized Finish, Add</i>	7.28 1.34	1.96
			<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.68	
08 72 33 00-0118	LF		Vinyl Insert, 1-3/8" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 209AV) ..... <i>For Color Anodized Finish, Add</i>	7.70 1.51	1.96

**08 Openings****08 70 Hardware****08 72 Weatherstripping, Thresholds And Seals**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0119	LF		Notched Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 2343AV) ..... <i>For Color Anodized Finish, Add</i>	11.75 1.56	1.96
<b>08 72 33 00-0120</b>			<b>Side Mount, Aluminum Retainer Door Shoes</b> (08 72 33 00-0115)		
08 72 33 00-0121	LF		Vinyl Insert, 1-3/4" Width, Side Mount, Aluminum Retainers Door Shoe (Pemko 318AV) ..... <i>For Color Anodized Finish, Add</i> <i>For Thermo-Plastic Elastomer Insert, Add</i>	9.10 2.07 0.68	1.96
<b>08 72 33 00-0122</b>			<b>L Or U Shaped, Aluminum Retainer Door Shoes</b> (08 72 33 00-0115)		
08 72 33 00-0123	LF		Vinyl Insert, 1-1/4" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 211AV) ..... <i>For Color Anodized Finish, Add</i> <i>For Thermo-Plastic Elastomer Insert, Add</i>	7.98 2.03 0.42	1.96
08 72 33 00-0124	LF		Vinyl Insert, 1-3/8" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 220AV) ..... <i>For Color Anodized Finish, Add</i> <i>For Thermo-Plastic Elastomer Insert, Add</i>	8.82 1.96 0.42	1.96
08 72 33 00-0125	LF		Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 217AV) ..... <i>For Color Anodized Finish, Add</i> <i>For Thermo-Plastic Elastomer Insert, Add</i>	9.10 2.07 0.42	1.96
08 72 33 00-0126	LF		Notched Vinyl Insert, 1-5/16" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 2113AV) ..... <i>For Color Anodized Finish, Add</i>	14.77 2.17	1.96
08 72 33 00-0127	LF		Notched Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 2173AV) ..... <i>For Color Anodized Finish, Add</i>	15.05 2.22	1.96
<b>08 72 33 00-0128</b>			<b>L Or U Shaped With Rain Drip, Aluminum Retainer Door Shoes</b> (08 72 33 00-0115)		
08 72 33 00-0129	LF		Vinyl Insert, 1-1/4" Width, L-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 210AV) ..... <i>For Color Anodized Finish, Add</i> <i>For Thermo-Plastic Elastomer Insert, Add</i>	8.26 2.17 0.42	1.96
08 72 33 00-0130	LF		Vinyl Insert, 1-3/8" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 215AV) ..... <i>For Color Anodized Finish, Add</i> <i>For Thermo-Plastic Elastomer Insert, Add</i>	9.10 2.07 0.42	1.96
08 72 33 00-0131	LF		Vinyl Insert, 1-3/4" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 216AV) ..... <i>For Color Anodized Finish, Add</i> <i>For Thermo-Plastic Elastomer Insert, Add</i>	9.23 2.12 0.42	1.96
<b>08 72 33 00-0132</b>			<b>Vinyl Door Shoes</b> (08 72 33 00-0114)		
08 72 33 00-0133	LF		1-3/4" Width, L-Shaped, Vinyl Door Shoe (Pemko V80) .....	10.99	1.96
08 72 33 00-0134	LF		1-3/4" Width, U-Shaped, Vinyl Door Shoe (Pemko 2170DV) .....	14.17	1.96
<b>08 72 33 00-0135</b>			<b>Door Bottoms</b> (08 72 33 00-0113)		
<b>08 72 33 00-0136</b>			<b>Automatic Door Bottoms</b> (08 72 33 00-0135)		
<b>08 72 33 00-0137</b>			<b>Aluminum Automatic Door Bottoms</b> (08 72 33 00-0136)		
08 72 33 00-0138	LF		Sponge Neoprene Insert, 9/16" Width, 1-7/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4131CRL) ..... <i>For Color Anodized Finish, Add</i>	22.31 3.68	1.96
08 72 33 00-0139	LF		Sponge Neoprene Insert, 31/32" Width, 2-1/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4301CRL) ..... <i>For Color Anodized Finish, Add</i>	33.82 5.98	1.96
<b>08 72 33 00-0140</b>			<b>Door Top Protection</b> (08 72 33 00-0001)		
08 72 33 00-0141	EA		For 20 Oz Copper Drip Cap For Exterior Door .....	41.76	
08 72 33 00-0142	LF		Aluminum, Door Top Cover For 1-3/8" Wood Doors (Pemko PA343) ..... <i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	6.20 0.84	1.57
08 72 33 00-0143	LF		Aluminum, Door Top Cover For 1-3/4" Wood Doors (Pemko PA344) ..... <i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	6.20 0.84	1.57
08 72 33 00-0144	LF		2-1/2" Aluminum Overhead Rain Drip With Slotted Holes (Pemko 346C) ..... <i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	7.82 1.28	1.57
<b>08 72 33 00-0145</b>			<b>Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0001) Note: Perimeter gasketing is used to seal the gap around the top and the two sides of a door assembly.		
<b>08 72 33 00-0146</b>			<b>Adhesive Backed Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0145)		
08 72 33 00-0147	LF		3/8" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK33) ..... <i>For Intumescent Seal, Add</i>	1.97 1.50	0.98
08 72 33 00-0148	LF		1/2" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK55) ..... <i>For Intumescent Seal, Add</i>	2.00 1.50	0.98
08 72 33 00-0149	LF		1/2" x 1/4", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S88) .....	2.70	0.98
08 72 33 00-0150	LF		7/16" x 5/16", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S44) .....	2.27	0.98
08 72 33 00-0151	LF		5/16" x 1/2", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S77) ..... <i>For Intumescent Seal, Add</i>	3.35 1.50	0.98
08 72 33 00-0152	LF		1/2" x 3/8", Silicone Triple Fin, Hospitality, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S773) ..... <i>For Intumescent Seal, Add</i>	3.03 1.50	0.98
08 72 33 00-0153	LF		7/16" x 5/16", Intumescent And Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS44) .....	4.37	0.98



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Hardware</b>	<b>08 70</b>	
<b>Weatherstripping, Thresholds And Seals</b>	<b>08 72</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0154 LF 1/2" x 1/4", Intumescent And Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS88) .....	3.95	0.98
<b>08 72 33 00-0155 Kerf-In Perimeter Gasketing Weather-Strip (08 72 33 00-0145)</b>		
08 72 33 00-0156 LF 3/8" x 1/4" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko P50).....	1.63	0.98
08 72 33 00-0157 LF 7/16" x 3/8" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko S52).....	3.00	0.98
08 72 33 00-0158 LF 3/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q103).....	1.96	0.98
08 72 33 00-0159 LF 5/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q102).....	1.92	0.98
08 72 33 00-0160 LF 3/8" Magnetic, Kerf-In Perimeter Gasketing Weather-Strip (Pemko MAG349) .....	2.85	0.98
<b>08 72 33 00-0161 Cushion/Spring Perimeter Gasketing Weather-Strip (08 72 33 00-0145)</b>		
<b>08 72 33 00-0162 Spring Bronze Perimeter Gasketing Weather-Strip (08 72 33 00-0161)</b>		
08 72 33 00-0163 LF 1-1/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70C).....	4.44	0.98
08 72 33 00-0164 LF 1-1/4" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70D).....	4.44	0.98
08 72 33 00-0165 LF 1-3/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70E).....	4.93	0.98
08 72 33 00-0166 LF 1-1/2" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70F) .....	5.03	0.98
<b>08 72 33 00-0167 Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (08 72 33 00-0161)</b>		
08 72 33 00-0168 LF 5/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B73) .....	4.17	0.98
08 72 33 00-0169 LF 7/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B74) .....	4.93	0.98
08 72 33 00-0170 LF 1-1/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B75) .....	5.77	0.98
<b>08 72 33 00-0171 Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0145)</b>		
<b>08 72 33 00-0172 Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0171)</b>		
08 72 33 00-0173 LF 1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 297AV) .....	3.57	0.98
For Silicone Insert, Add	0.95	
For Color Anodized Finish, Add	1.61	
08 72 33 00-0174 LF 1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 316AV) .....	3.57	0.98
For Silicone Insert, Add	0.95	
For Color Anodized Finish, Add	1.61	
08 72 33 00-0175 LF 1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 303AV) .....	3.57	0.98
For Silicone Insert, Add	0.95	
For Color Anodized Finish, Add	1.61	
08 72 33 00-0176 LF 3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 305CN).....	7.82	0.98
For Silicone Insert, Add	0.63	
For Color Anodized Finish, Add	1.17	
08 72 33 00-0177 LF 3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip With Concealed Fasteners (Pemko 29310CV).....	8.10	0.98
For Color Anodized Finish, Add	3.07	
For Silicone Insert, Add	0.95	
08 72 33 00-0178 LF Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 375CR).....	8.10	0.98
For Color Anodized Finish, Add	2.15	
<b>08 72 33 00-0179 Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0171)</b>		
<b>08 72 33 00-0180 Standard Jamb, Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0179)</b>		
08 72 33 00-0181 LF 1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 290AV) .....	7.61	0.98
For Silicone Insert, Add	0.95	
<b>08 72 33 00-0182 Head Section, Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0179)</b>		
08 72 33 00-0183 LF 1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Head Section, Heavy Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 2891AV) .....	8.72	0.98
<b>08 72 33 00-0184 Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0145)</b>		
<b>08 72 33 00-0185 Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0184)</b>		
08 72 33 00-0186 LF 3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 305BR) .....	16.83	0.98
For Silicone Insert, Add	1.58	
08 72 33 00-0187 LF Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 375BR) .....	30.16	0.98
<b>08 72 33 00-0188 Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (08 72 33 00-0184)</b>		

**08 Openings****08 70 Hardware****08 72 Weatherstripping, Thresholds And Seals**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0189		<b>Standard Jamb, Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0188)		
08 72 33 00-0190	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 290BV) .....	25.73	0.98
		<i>For Silicone Insert, Add</i> .....	0.63	
08 72 33 00-0191		<b>Aluminum Interlock, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0145)		
08 72 33 00-0192	LF	Side Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 335AR, 336A) .....	9.71	1.96
		Note: For weather-stripping latch or hinge side of door. Includes aluminum interlocking devices for door and door frame. <i>For Color Anodized Finish, Add</i> .....	2.31	
08 72 33 00-0193	LF	Top Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 347A, 68AR) .....	10.20	1.96
		Note: For weather-stripping the top of doors. Includes rain drip shield and aluminum interlocking devices for door and door frame. <i>For Color Anodized Finish, Add</i> .....	2.51	
08 72 33 00-0194		<b>Adjustable Aluminum Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0145)		
08 72 33 00-0195	LF	Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Stop Gasketing Weather-Strip (Pemko 350CSR) .....	15.72	0.98
		<i>For Color Anodized Finish, Add</i> .....	2.75	
08 72 33 00-0196	LF	Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Jamb Gasketing Weather-Strip (Pemko 350CR) .....	16.70	0.98
		<i>For Color Anodized Finish, Add</i> .....	2.95	
<b>08 72 43</b>		<b>Thresholds</b> (08 72)		
08 72 43 00-0001		<b>Thresholds</b> (08 72 43) Note: Includes material, fasteners, installation, caulk and sealants.		
08 72 43 00-0002		<b>Metal Thresholds</b> (08 72 43 00-0001)		
08 72 43 00-0003		<b>Saddle Thresholds</b> (08 72 43 00-0002)		
08 72 43 00-0004		<b>Aluminum Saddle Thresholds</b> (08 72 43 00-0003) Note: Includes mill finish.		
08 72 43 00-0005		<b>3/16" Height, Aluminum Saddle Thresholds</b> (08 72 43 00-0004)		
08 72 43 00-0006	LF	2-1/4" Width, 3/16" Height, Aluminum Saddle Threshold (Pemko 173A) .....	13.15	3.14
		<i>For Color Anodized Finish, Add</i> .....	2.12	
08 72 43 00-0007		<b>1/4" Height, Aluminum Saddle Thresholds</b> (08 72 43 00-0004)		
08 72 43 00-0008	LF	3" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 151A) .....	15.53	3.14
		<i>For Color Anodized Finish, Add</i> .....	3.07	
08 72 43 00-0009	LF	4" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 270A) .....	17.35	3.93
		<i>For Color Anodized Finish, Add</i> .....	5.28	
08 72 43 00-0010	LF	5" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 271A) .....	20.01	3.93
		<i>For Color Anodized Finish, Add</i> .....	5.10	
08 72 43 00-0011	LF	6" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 272A) .....	23.21	3.93
		<i>For Color Anodized Finish, Add</i> .....	4.69	
08 72 43 00-0012	LF	7" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 276A) .....	27.96	3.93
		<i>For Color Anodized Finish, Add</i> .....	4.54	
08 72 43 00-0013	LF	8" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2748A) .....	33.56	4.71
		<i>For Color Anodized Finish, Add</i> .....	5.45	
08 72 43 00-0014	LF	9" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2749A) .....	36.77	4.71
		<i>For Color Anodized Finish, Add</i> .....	6.25	
08 72 43 00-0015	LF	10" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2750A) .....	41.89	4.71
		<i>For Color Anodized Finish, Add</i> .....	7.53	
08 72 43 00-0016		<b>5/16" Height, Aluminum Saddle Thresholds</b> (08 72 43 00-0004)		
08 72 43 00-0017	LF	2-1/2" Width, 5/16" Height, Aluminum Saddle Threshold (Pemko 166A) .....	15.11	3.14
		<i>For Color Anodized Finish, Add</i> .....	2.54	
08 72 43 00-0018		<b>1/2" Height, Aluminum Saddle Thresholds</b> (08 72 43 00-0004)		
08 72 43 00-0019	LF	3" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 169A) .....	15.25	3.14
		<i>For Color Anodized Finish, Add</i> .....	3.70	
08 72 43 00-0020	LF	4" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 170A) .....	18.47	3.93
		<i>For Color Anodized Finish, Add</i> .....	6.06	
08 72 43 00-0021	LF	5" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 171A) .....	21.19	3.93
		<i>For Color Anodized Finish, Add</i> .....	5.69	
08 72 43 00-0022	LF	6" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 172A) .....	23.49	3.93
		<i>For Color Anodized Finish, Add</i> .....	4.79	
08 72 43 00-0023	LF	7" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 176A) .....	27.96	3.93
		<i>For Color Anodized Finish, Add</i> .....	4.54	
08 72 43 00-0024	LF	8" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2548A) .....	35.23	4.71
		<i>For Color Anodized Finish, Add</i> .....	8.21	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Hardware</b>	<b>08 70</b>	
<b>Weatherstripping, Thresholds And Seals</b>	<b>08 72</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0025 LF 9" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2549A) ..... <i>For Color Anodized Finish, Add</i>	38.16 10.55	4.71
08 72 43 00-0026 LF 10" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2550A) ..... <i>For Color Anodized Finish, Add</i>	41.10 11.73	4.71
<b>08 72 43 00-0027 Brass/Bronze Saddle Thresholds (08 72 43 00-0003)</b>		
<b>08 72 43 00-0028 3/16" Height, Brass/Bronze Saddle Thresholds (08 72 43 00-0027)</b>		
08 72 43 00-0029 LF 2-1/4" Width, 3/16" Height, Brass/Bronze Saddle Threshold (Pemko 173B) .....	48.30	3.14
<b>08 72 43 00-0030 1/4" Height, Brass/Bronze Saddle Thresholds (08 72 43 00-0027)</b>		
08 72 43 00-0031 LF 3" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 151B) .....	79.24	3.14
08 72 43 00-0032 LF 4" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 270B) .....	95.48	3.93
08 72 43 00-0033 LF 5" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 271B) .....	116.90	3.93
08 72 43 00-0034 LF 6" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 272B) .....	137.72	3.93
08 72 43 00-0035 LF 7" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 276B) .....	161.52	3.93
08 72 43 00-0036 LF 8" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 274X4B) .....	208.10	4.71
<b>08 72 43 00-0037 1/2" Height, Brass/Bronze Saddle Thresholds (08 72 43 00-0027)</b>		
08 72 43 00-0038 LF 4" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 170B) .....	105.00	3.93
08 72 43 00-0039 LF 5" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 171B) .....	128.79	3.93
08 72 43 00-0040 LF 6" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 172B) .....	152.59	3.93
08 72 43 00-0041 LF 7" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 176B) .....	182.34	3.93
08 72 43 00-0042 LF 8" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 254X4B) .....	260.66	4.71
08 72 43 00-0043 LF 10" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 255X5B) .....	247.01	4.71
<b>08 72 43 00-0044 Stainless Steel Saddle Thresholds (08 72 43 00-0003)</b>		
<b>08 72 43 00-0045 1/2" Height, Stainless Steel Saddle Thresholds (08 72 43 00-0044)</b>		
08 72 43 00-0046 LF 4" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 175SS) .....	87.15	3.93
08 72 43 00-0047 LF 5" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 154SS) .....	93.10	3.93
<b>08 72 43 00-0048 Half Saddle Thresholds (08 72 43 00-0002)</b>		
<b>08 72 43 00-0049 Aluminum Half Saddle Thresholds (08 72 43 00-0048)</b> Note: Includes mill finish.		
<b>08 72 43 00-0050 3/4" Height, Aluminum Half Saddle Thresholds (08 72 43 00-0049)</b>		
08 72 43 00-0051 LF 5" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1875A) .....	23.82	3.93
<i>For Color Anodized Finish, Add</i>	5.60	
08 72 43 00-0052 LF 7" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1877A) .....	33.96	3.93
<i>For Color Anodized Finish, Add</i>	2.42	
<b>08 72 43 00-0053 Offset Saddle Thresholds (08 72 43 00-0002)</b>		
<b>08 72 43 00-0054 Aluminum Offset Saddle Thresholds (08 72 43 00-0053)</b> Note: Includes mill finish.		
<b>08 72 43 00-0055 1/2" Height, Aluminum Offset Saddle Thresholds (08 72 43 00-0054)</b>		
08 72 43 00-0056 LF 5-1/2" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 158A) .....	23.91	3.93
<i>For Color Anodized Finish, Add</i>	7.05	
08 72 43 00-0057 LF 7" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 2727A) .....	27.54	3.93
<i>For Color Anodized Finish, Add</i>	6.21	
<b>08 72 43 00-0058 3/4" Height, Aluminum Offset Saddle Thresholds (08 72 43 00-0054)</b>		
08 72 43 00-0059 LF 5-1/2" Width, 3/4" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 157A) .....	23.91	3.93
<i>For Color Anodized Finish, Add</i>	7.05	
<b>08 72 43 00-0060 1" Height, Aluminum Offset Saddle Thresholds (08 72 43 00-0054)</b>		
08 72 43 00-0061 LF 7" Width, 1" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 182A) .....	28.94	3.93
<i>For Color Anodized Finish, Add</i>	6.70	
<b>08 72 43 00-0062 Modular Ramp Thresholds (08 72 43 00-0001)</b> Note: Includes mill finish.		
<b>08 72 43 00-0063 Flush, Aluminum Modular Ramp Thresholds (08 72 43 00-0062)</b>		
08 72 43 00-0064 LF 6-1/8" Length, 1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.5FA) .....	28.08	3.93
<i>For Non-Slip Surfacing, Add</i>	60.69	
08 72 43 00-0065 LF 9-1/4" Length, 3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.75FA) .....	36.34	4.32
<i>For Non-Slip Surfacing, Add</i>	77.56	
08 72 43 00-0066 LF 12-3/8" Length, 1" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1FA) .....	47.49	4.91
<i>For Non-Slip Surfacing, Add</i>	105.50	
08 72 43 00-0067 LF 15-1/2" Length, 1-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.25FA) .....	62.89	5.10
<i>For Non-Slip Surfacing, Add</i>	142.24	



**08 Openings****08 70 Hardware****08 72 Weatherstripping, Thresholds And Seals**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0068	LF		18-5/8" Length, 1-1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.5FA) .....	74.17	5.50
			<i>For Non-Slip Surfacing, Add</i> .....	189.54	
08 72 43 00-0069	LF		21-3/4" Length, 1-3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.75FA) .....	93.49	6.09
			<i>For Non-Slip Surfacing, Add</i> .....	211.41	
08 72 43 00-0070	LF		24-7/8" Length, 2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2FA) .....	104.51	6.67
			<i>For Non-Slip Surfacing, Add</i> .....	237.02	
08 72 43 00-0071	LF		28" Length, 2-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2.25FA) .....	110.87	7.07
			<i>For Non-Slip Surfacing, Add</i> .....	241.85	
<b>08 72 43 00-0072</b>			<b>3-1/2" Top Plate, Offset, Aluminum Modular Ramp Thresholds</b> (08 72 43 00-0062)		
08 72 43 00-0073	LF		12-3/4" Length, 1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSSA) .....	51.35	4.91
			<i>For Non-Slip Surfacing, Add</i> .....	112.16	
08 72 43 00-0074	LF		15-7/8" Length, 3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSSA) .....	61.74	5.10
			<i>For Non-Slip Surfacing, Add</i> .....	139.13	
08 72 43 00-0075	LF		18" Length, 1" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSSA) .....	78.30	5.89
			<i>For Non-Slip Surfacing, Add</i> .....	172.95	
08 72 43 00-0076	LF		22-1/8" Length, 1-1/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSSA) .....	93.43	6.28
			<i>For Non-Slip Surfacing, Add</i> .....	210.26	
08 72 43 00-0077	LF		25-1/4" Length, 1-1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSSA) .....	108.50	6.67
			<i>For Non-Slip Surfacing, Add</i> .....	247.39	
08 72 43 00-0078	LF		28-3/8" Length, 1-3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSSA) .....	119.13	7.07
			<i>For Non-Slip Surfacing, Add</i> .....	273.00	
08 72 43 00-0079	LF		31-1/2" Length, 2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSSA) .....	148.61	7.47
			<i>For Non-Slip Surfacing, Add</i> .....	347.59	
<b>08 72 43 00-0080</b>			<b>7" Top Plate, Offset, Aluminum Modular Ramp Thresholds</b> (08 72 43 00-0062)		
08 72 43 00-0081	LF		16-1/4" Length, 1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSA) .....	60.25	5.30
			<i>For Non-Slip Surfacing, Add</i> .....	138.99	
08 72 43 00-0082	LF		19-3/8" Length, 3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSA) .....	71.40	5.89
			<i>For Non-Slip Surfacing, Add</i> .....	166.94	
08 72 43 00-0083	LF		22-1/2" Length, 1" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSA) .....	87.18	6.28
			<i>For Non-Slip Surfacing, Add</i> .....	201.47	
08 72 43 00-0084	LF		25-5/8" Length, 1-1/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSA) .....	98.47	6.67
			<i>For Non-Slip Surfacing, Add</i> .....	229.82	
08 72 43 00-0085	LF		28-3/4" Length, 1-1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSA) .....	117.38	7.07
			<i>For Non-Slip Surfacing, Add</i> .....	268.45	
08 72 43 00-0086	LF		31-7/8" Length, 1-3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSA) .....	128.02	7.47
			<i>For Non-Slip Surfacing, Add</i> .....	294.06	
08 72 43 00-0087	LF		35" Length, 2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSA) .....	149.40	7.85
			<i>For Non-Slip Surfacing, Add</i> .....	334.23	
<b>08 72 43 00-0088</b>			<b>Accessories For Aluminum Modular Ramp Thresholds</b> (08 72 43 00-0062)		
<b>08 72 43 00-0089</b>			<b>Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds</b> (08 72 43 00-0088)		
08 72 43 00-0090	PR		Up To 1" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds .....	159.88	4.91
			<i>For Non-Slip Surfacing, Add</i> .....	18.01	
08 72 43 00-0091	PR		>1" To 1-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds .....	251.79	4.91
			<i>For Non-Slip Surfacing, Add</i> .....	29.04	
08 72 43 00-0092	PR		>1-1/4" To 2-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds .....	504.69	6.87
			<i>For Non-Slip Surfacing, Add</i> .....	58.91	
<b>08 72 43 00-0093</b>			<b>Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds</b> (08 72 43 00-0088)		
08 72 43 00-0094	PR		Up To 1/2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds .....	159.88	4.91
			<i>For Non-Slip Surfacing, Add</i> .....	18.01	
08 72 43 00-0095	PR		>1/2" To 1" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds .....	251.79	4.91
			<i>For Non-Slip Surfacing, Add</i> .....	29.04	
08 72 43 00-0096	PR		>1" To 2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds .....	504.69	6.87
			<i>For Non-Slip Surfacing, Add</i> .....	58.91	
<b>08 72 43 00-0097</b>			<b>Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0001)		
			Note: Includes vinyl or pile seal.		
<b>08 72 43 00-0098</b>			<b>Aluminum, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0097)		
			Note: Includes mill finish.		
<b>08 72 43 00-0099</b>			<b>Aluminum, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0098)		
<b>08 72 43 00-0100</b>			<b>7/8" Height, Aluminum, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0099)		
08 72 43 00-0101	LF		4" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AP) .....	31.17	3.93
			<i>For Color Anodized Finish, Add</i> .....	7.48	
			<i>For Thermoseal, Add</i> .....	0.63	
08 72 43 00-0102	LF		5" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 177AP) .....	24.05	3.93
			<i>For Color Anodized Finish, Add</i> .....	7.12	
			<i>For Thermoseal, Add</i> .....	0.63	
08 72 43 00-0103	LF		6" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AP) .....	35.64	3.93
			<i>For Color Anodized Finish, Add</i> .....	9.04	
			<i>For Thermoseal, Add</i> .....	0.63	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Hardware</b>	<b>08 70</b>	
<b>Weatherstripping, Thresholds And Seals</b>	<b>08 72</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0104 LF 7" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AP) ..... <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	37.59 9.72 0.63	3.93
<b>08 72 43 00-0105 1" Height, Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0099)</b>		
08 72 43 00-0106 LF 3-5/8" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 185AP) ..... <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	22.37 6.28 0.63	3.93
08 72 43 00-0107 LF 5" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 181AP) ..... <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	24.33 7.26 0.63	3.93
<b>08 72 43 00-0108 Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0098)</b>		
<b>08 72 43 00-0109 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds (08 72 43 00-0108)</b>		
08 72 43 00-0110 LF 4-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AFGP) ..... <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	26.42 6.64 0.63	3.93
08 72 43 00-0111 LF 5-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 253X226AFGP) ..... <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	28.24 7.37 0.63	3.93
08 72 43 00-0112 LF 6-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AFGP) ..... <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	30.89 7.38 0.63	3.93
08 72 43 00-0113 LF 7-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AFGP) ..... <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	33.89 8.43 0.63	3.93
<b>08 72 43 00-0114 Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0097)</b>		
<b>08 72 43 00-0115 Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0114)</b>		
<b>08 72 43 00-0116 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0115)</b>		
08 72 43 00-0117 LF 4" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BV) ..... <i>For Thermoseal, Add</i>	153.78 0.63	3.93
08 72 43 00-0118 LF 5" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 177BV) ..... <i>For Thermoseal, Add</i>	141.88 0.63	3.93
08 72 43 00-0119 LF 6" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BV) ..... <i>For Thermoseal, Add</i>	208.51 0.63	3.93
08 72 43 00-0120 LF 7" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BV) ..... <i>For Thermoseal, Add</i>	185.43 0.63	3.93
<b>08 72 43 00-0121 1" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0115)</b>		
08 72 43 00-0122 LF 5" Width, 1" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 181BV) ..... <i>For Thermoseal, Add</i>	151.16 0.63	3.93
<b>08 72 43 00-0123 Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0114)</b>		
<b>08 72 43 00-0124 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0123)</b>		
08 72 43 00-0125 LF 4-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BFGV) ..... <i>For Thermoseal, Add</i>	153.25 0.63	4.32
08 72 43 00-0126 LF 5-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 253X226BFGV) ..... <i>For Thermoseal, Add</i>	161.46 0.63	4.32
08 72 43 00-0127 LF 6-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BFGV) ..... <i>For Thermoseal, Add</i>	205.85 0.63	4.32
08 72 43 00-0128 LF 7-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BFGV) ..... <i>For Thermoseal, Add</i>	185.46 0.63	4.52
<b>08 72 43 00-0129 Carpet Separator Thresholds (08 72 43 00-0001)</b>		
<b>08 72 43 00-0130 Aluminum, Carpet Separator Thresholds (08 72 43 00-0129)</b> Note: Includes mill finish.		
<b>08 72 43 00-0131 3/8" Height, Aluminum, Carpet Separator Thresholds (08 72 43 00-0130)</b>		
08 72 43 00-0132 LF 2-1/2" Width, 3/8" Height, Aluminum, Carpet Separator Threshold (Pemko 174C) ..... <i>For Color Anodized Finish, Add</i>	16.37 3.41	3.14

**08 Openings****08 70 Hardware****08 72 Weatherstripping, Thresholds And Seals**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0133			<b>7/16" Height, Aluminum, Carpet Separator Thresholds</b> (08 72 43 00-0130)		
08 72 43 00-0134	LF		1-3/4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 236A).....	12.73	2.75
			<i>For Color Anodized Finish, Add</i>	2.05	
08 72 43 00-0135	LF		4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2364A).....	20.28	3.14
			<i>For Color Anodized Finish, Add</i>	4.19	
08 72 43 00-0136	LF		6" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2366A).....	26.14	3.14
			<i>For Color Anodized Finish, Add</i>	6.53	
08 72 43 00-0137			<b>1/2" Height, Aluminum, Carpet Separator Thresholds</b> (08 72 43 00-0130)		
08 72 43 00-0138	LF		1-3/8" Width, 1/2" Height, Aluminum, Carpet Separator Threshold (Pemko 1951A).....	10.92	2.75
			<i>For Color Anodized Finish, Add</i>	1.01	
08 72 43 00-0139			<b>3/4" Height, Aluminum, Carpet Separator Thresholds</b> (08 72 43 00-0130)		
08 72 43 00-0140	LF		1-3/4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 246A).....	12.73	2.75
			<i>For Color Anodized Finish, Add</i>	1.76	
08 72 43 00-0141	LF		3" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 230A).....	20.70	3.93
			<i>For Color Anodized Finish, Add</i>	4.36	
08 72 43 00-0142	LF		4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 2464A).....	22.37	3.93
			<i>For Color Anodized Finish, Add</i>	3.77	
08 72 43 00-0143			<b>Brass/Bronze, Carpet Separator Thresholds</b> (08 72 43 00-0129)		
08 72 43 00-0144			<b>3/8" Height, Brass/Bronze, Carpet Separator Thresholds</b> (08 72 43 00-0143)		
08 72 43 00-0145	LF		2-1/2" Width, 3/8" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 174B).....	80.55	3.14
08 72 43 00-0146			<b>7/16" Height, Brass/Bronze, Carpet Separator Thresholds</b> (08 72 43 00-0143)		
08 72 43 00-0147	LF		1-3/4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 236B).....	109.94	2.75
08 72 43 00-0148	LF		4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 2364B).....	96.07	3.93
08 72 43 00-0149			<b>Vinyl Transition Thresholds</b> (08 72 43 00-0001)		
			Note: Serves as a transition where carpet meets carpet, tile, VCT or concrete beneath a door.		
08 72 43 00-0150			<b>Carpet To Carpet, Vinyl Transition Thresholds</b> (08 72 43 00-0149)		
			Note: Serves as a transition where carpet meets carpet beneath a door.		
08 72 43 00-0151	LF		2-3/4" Width, 23/32" Height, Carpet To Carpet, Vinyl Transition Threshold (Pemko V232BL).....	21.48	3.14
08 72 43 00-0152			<b>Carpet To Tile, Vinyl Transition Thresholds</b> (08 72 43 00-0149)		
			Note: Serves as a transition where carpet meets tile beneath a door.		
08 72 43 00-0153	LF		2-3/4" Width, 23/32" Height, Carpet To Tile, Vinyl Transition Threshold (Pemko V2325BL).....	21.48	3.14
08 72 43 00-0154			<b>Carpet To Concrete, Vinyl Transition Thresholds</b> (08 72 43 00-0149)		
			Note: Serves as a transition where carpet meets concrete beneath a door.		
08 72 43 00-0155	LF		3-1/2" Width, 23/32" Height, Carpet To Concrete, Vinyl Transition Threshold (Pemko V2320BL).....	21.41	3.93
08 72 43 00-0156			<b>Carpet To VCT Tile, Vinyl Transition Thresholds</b> (08 72 43 00-0149)		
			Note: Serves as a transition where carpet meets VCT Tile beneath a door.		
08 72 43 00-0157	LF		3-7/16" Width, 23/32" Height, Carpet To VCT Tile, Vinyl Transition Threshold (Pemko V2322BL).....	23.68	3.93
08 72 43 00-0158			<b>Residential Thresholds</b> (08 72 43 00-0001)		
08 72 43 00-0159			<b>Wood Residential Thresholds</b> (08 72 43 00-0158)		
08 72 43 00-0160	LF		1-1/4" Width, 1/4" Height, Oak Residential Threshold (Pemko 2219W).....	7.47	1.96
08 72 43 00-0161	LF		1-3/4" Width, 5/16" Height, Oak Residential Threshold (Pemko 2175W).....	7.93	1.96
08 72 43 00-0162	LF		3" Width, 3/8" Height, Oak Residential Threshold (Pemko 2300W).....	12.34	2.09
08 72 43 00-0163	LF		3-1/2" Width, 1/2" Height, Oak Residential Threshold (Pemko 2350W).....	12.40	2.17
08 72 43 00-0164	LF		5" Width, 1/2" Height, Oak Residential Threshold (Pemko 2500W).....	21.86	2.23
08 72 43 00-0165			<b>Vinyl Top, Wood Residential Thresholds</b> (08 72 43 00-0158)		
08 72 43 00-0166	LF		1-5/8" Width, 15/16" Height, Vinyl Top, Wood Residential Threshold (Pemko 208OAK).....	10.03	1.96
08 72 43 00-0167	LF		3-1/2" Width, 1-1/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 203OAK).....	12.82	2.17
08 72 43 00-0168	LF		3-5/8" Width, 1-3/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 204OAK).....	29.15	2.17
08 72 43 00-0169			<b>Vinyl Top, Aluminum Residential Thresholds</b> (08 72 43 00-0158)		
08 72 43 00-0170	LF		1-3/8" Width, 1/2" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 208AV).....	10.08	1.96
			<i>For Color Anodized Finish, Add</i>	2.07	
08 72 43 00-0171	LF		3-1/4" Width, 3/4" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 206AV).....	12.12	2.17
			<i>For Color Anodized Finish, Add</i>	2.68	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Hardware</b>	<b>08 70</b>	
<b>Weatherstripping, Thresholds And Seals</b>	<b>08 72</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0172 LF 3-1/2" Width, 1-1/8" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 207AV)..... <i>For Color Anodized Finish, Add</i>	13.24 3.13	2.17
<b>08 72 43 00-0173 Interlocking Residential Thresholds</b> (08 72 43 00-0158)		
08 72 43 00-0174 Aluminum Interlocking Residential Thresholds (08 72 43 00-0173)		
<b>08 72 43 00-0175 1/2" Height, Aluminum Interlocking Residential Thresholds</b> (08 72 43 00-0174)		
08 72 43 00-0176 LF 4-1/4" Width, 1/2" Height, Aluminum Interlocking Residential Threshold (Pemko 114A) ..... <i>For Color Anodized Finish, Add</i>	28.33 6.83	2.23
<b>08 72 43 00-0177 5/8" Height, Aluminum Interlocking Residential Thresholds</b> (08 72 43 00-0174)		
08 72 43 00-0178 LF 3" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 121A) ..... <i>For Color Anodized Finish, Add</i>	17.10 3.56	2.09
08 72 43 00-0179 LF 3-1/2" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 110A) ..... <i>For Color Anodized Finish, Add</i>	14.77 4.68	2.17
08 72 43 00-0180 LF 4-1/4" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 115A) ..... <i>For Color Anodized Finish, Add</i>	17.99 3.73	2.23
<b>08 72 43 00-0181 7/8" Height, Aluminum Interlocking Residential Thresholds</b> (08 72 43 00-0174)		
08 72 43 00-0182 LF 4-1/2" Width, 7/8" Height, Aluminum Interlocking Residential Threshold (Pemko 120A) ..... <i>For Color Anodized Finish, Add</i>	20.23 7.33	2.23
<b>08 72 43 00-0183 Brass/Bronze Interlocking Residential Thresholds</b> (08 72 43 00-0173)		
<b>08 72 43 00-0184 1/2" Height, Brass/Bronze Interlocking Residential Thresholds</b> (08 72 43 00-0183)		
08 72 43 00-0185 LF 4-1/4" Width, 1/2" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 114B) ..... 115.63		2.23
<b>08 72 43 00-0186 5/8" Height, Brass/Bronze Interlocking Residential Thresholds</b> (08 72 43 00-0183)		
08 72 43 00-0187 LF 3-1/2" Width, 5/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 110B) ..... 85.73		2.17
<b>08 72 43 00-0188 7/8" Height, Brass/Bronze Interlocking Residential Thresholds</b> (08 72 43 00-0183)		
08 72 43 00-0189 LF 4-1/2" Width, 7/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 120B) ..... 118.61		2.23
08 72 43 00-0190 LF 5-3/4" Width, 7/8" Height, 3/4" Offset, Brass/Bronze Interlocking Residential Threshold (Pemko 123B) ..... 172.31		2.29
<b>08 72 43 00-0191 Residential Door Sills</b> (08 72 43 00-0001)		
<b>08 72 43 00-0192 Fixed Aluminum Residential Door Sills</b> (08 72 43 00-0191)		
08 72 43 00-0193 LF 4-9/16" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 84514A) ..... 13.53 <i>For Color Anodized Finish, Add</i>	3.98	2.23
08 72 43 00-0194 LF 5-5/8" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 85514A) ..... 14.78 <i>For Color Anodized Finish, Add</i>	3.62	2.29
<b>08 72 43 00-0195 Adjustable Aluminum Top, Aluminum Residential Door Sills</b> (08 72 43 00-0191)		
08 72 43 00-0196 LF 4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518A) ..... 22.05 <i>For Color Anodized Finish, Add</i>	5.77	2.23
08 72 43 00-0197 LF 5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518A) ..... 22.63 <i>For Color Anodized Finish, Add</i>	5.92	2.29
<b>08 72 43 00-0198 Adjustable Wood Top, Aluminum Residential Door Sills</b> (08 72 43 00-0191)		
08 72 43 00-0199 LF 3-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 93518AW) ..... 22.57 <i>For Color Anodized Finish, Add</i>	6.00	2.17
08 72 43 00-0200 LF 4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518AW) ..... 22.72 <i>For Color Anodized Finish, Add</i>	4.29	2.23
08 72 43 00-0201 LF 5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518AW) ..... 23.81 <i>For Color Anodized Finish, Add</i>	4.52	2.29
<b>08 72 43 00-0202 Extenders For Aluminum Residential Door Sills</b> (08 72 43 00-0191)		
08 72 43 00-0203 LF 3/4" Extender For Aluminum Residential Door Sills (Pemko EXT3/4A) ..... 7.42 <i>For Color Anodized Finish, Add</i>	2.44	1.96
08 72 43 00-0204 LF 2" Extender For Aluminum Residential Door Sills (Pemko EXT2A) ..... 8.54 <i>For Color Anodized Finish, Add</i>	2.31	1.96
08 72 43 00-0205 LF 3" Extender For Aluminum Residential Door Sills (Pemko EXT3A) ..... 9.65 <i>For Color Anodized Finish, Add</i>	1.43	1.96
<b>08 72 43 00-0206 Stone Thresholds</b> (08 72 43 00-0001)		
<b>08 72 43 00-0207 Marble Thresholds</b> (08 72 43 00-0206)		

**08 Openings****08 70 Hardware****08 72 Weatherstripping, Thresholds And Seals**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0208	LF		2" Width, 5/8" Height, Plain Marble Threshold.....	10.40	3.78
08 72 43 00-0209	LF		4" Width, 5/8" Height, Plain Marble Threshold.....	11.88	3.78
08 72 43 00-0210	LF		6" Width, 5/8" Height, Plain Marble Threshold.....	13.87	3.78
08 72 43 00-0211	LF		4" Width, 7/8" Height, Plain Marble Threshold.....	18.32	3.78
08 72 43 00-0212	LF		6" Width, 7/8" Height, Plain Marble Threshold.....	23.57	3.78

08 72 43 00-0213			<b>Corian Thresholds</b> (08 72 43 00-0206)		
08 72 43 00-0214	LF		Up To 5-3/4" Width, Corian Threshold.....	45.35	3.26

**08 75 Window Hardware** (08 70)**08 75 13 Automatic Window Equipment** (08 75)

08 75 13 00-0001			<b>Window Opener Electric, With 1/2 HP Motor</b> (08 75 13)		
08 75 13 00-0002	EA		Gym Window Electronic Opener.....	918.84	83.70

**08 78 Special Function Hardware** (08 70)

08 78 00 00-0001			<b>Pad Locks</b> (08 78)		
08 78 00 00-0002	EA		Combination Padlock.....	14.72	1.97
08 78 00 00-0003	EA		Resettable Combination Padlock With Control Key, 4 Digit, 2" Wide Case, 1" Shackle Height.....	42.36	1.97
08 78 00 00-0004	EA		Resettable Combination Padlock, 4 Digit, 2" Wide Case, 1" Shackle Height.....	38.61	1.97
08 78 00 00-0005	EA		Resettable Combination Padlock, 4 Digit, 2" Wide Case, 2-1/4" Shackle Height.....	43.25	1.97
08 78 00 00-0006	EA		Commercial U-Bar Lock.....	53.99	1.97
08 78 00 00-0007	EA		Weather Tough Padlocks Keyed Alike.....	44.19	1.97
08 78 00 00-0008	EA		High Security Padlocks.....	39.23	1.97
08 78 00 00-0009	EA		Standard Key, Medium Security Padlock Keyed Alike.....	17.44	1.97

**08 79 Hardware Accessories** (08 70)**08 79 13 Key Storage Equipment** (08 79)

08 79 13 00-0001			<b>Key Cabinet</b> (08 79 13)		
08 79 13 00-0002			<b>Key Cabinets</b> (08 79 13 00-0001)		
08 79 13 00-0003	EA		Wall Mounted Key Cabinet, Up To 30 Keys.....	295.20	7.07
08 79 13 00-0004	EA		Wall Mounted Key Cabinet, Up To 60 Keys.....	401.25	7.85
08 79 13 00-0005	EA		Wall Mounted Key Cabinet, Up To 240 Keys.....	911.89	11.78
08 79 13 00-0006	EA		Wall Mounted Key Cabinet, Up To 1,200 Keys.....	2,379.02	15.71
08 79 13 00-0007	EA		Drawer Type Key Cabinet, Up To 600 Keys.....	2,551.01	10.40
08 79 13 00-0008	EA		Drawer Type Key Cabinet, Up To 2,400 Keys.....	5,793.45	7.85
08 79 13 00-0009	EA		Tray Type Key Cabinet, Up To 20 Keys.....	123.66	3.14
08 79 13 00-0010	EA		Tray Type Key Cabinet, Up To 50 Keys.....	177.40	3.93
08 79 13 00-0011			<b>Key Boxes Wall Mounted On Any Type Wall, With Anchor</b> (08 79 13 00-0001)		
08 79 13 00-0012	EA		Key Box, Metal, 30 Key Hooks, Key Lock Door 3" Deep x 10" Wide x 12" High.....	165.69	5.89
08 79 13 00-0013	EA		Key Box, Metal, 60 Key Hooks, Key Lock Door, 3" Deep x 10" Wide x 12" High.....	189.17	5.89
08 79 13 00-0014	EA		Relocate Key Box, Metal, 3" Deep x 10" Wide x 12" High, Including Storage And Cleaning.....	20.04	
08 79 13 00-0015	EA		Relocate Heavy Duty Key Box, With Combo Lock Door, Including Storage And Cleaning.....	45.19	

**08 80 Glazing** (08)

Note: Includes neoprene setting blocks and spacers and elastomeric sealants for all glazing tasks. Demolition for all glazing includes removal of glazing (broken or whole), sealant compound and/or astragal, taking down and resetting mullion where necessary.

**08 81 Glass Glazing** (08 80)**08 81 23 Exterior Glass Glazing** (08 81)**08 81 23 13 Factory Installed Glass Glazing** (08 81 23)

08 81 23 13-0001			<b>Clear Float Factory Installed Glass</b> (08 81 23 13)		
08 81 23 13-0002			<b>Clear Float Factory Installed Glass</b> (08 81 23 13-0001)		
			Note: Type I, Class I, Quality Q3.		
08 81 23 13-0003	SF		1/8" Thick, Clear Float Factory Installed Glass.....	3.17	
			For Tinted Glass, Add	0.79	
			For Reflective Coated Glass, Add	1.43	
			For Low-E Coated Glass, Add	0.79	
			For >50 To 200, Deduct	-0.10	
			For >200 To 400, Deduct	-0.19	
			For >400, Deduct	-0.29	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Glazing</b>	<b>08 80</b>	
<b>Glass Glazing</b>	<b>08 81</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0004 SF 3/16" Thick, Clear Float Factory Installed Glass .....	3.40	
For Low-E Coated Glass, Add	0.85	
For Tinted Glass, Add	0.85	
For Reflective Coated Glass, Add	1.53	
For >50 To 200, Deduct	-0.10	
For >200 To 400, Deduct	-0.20	
For >400, Deduct	-0.31	
08 81 23 13-0005 SF 1/4" Thick, Clear Float Factory Installed Glass .....	4.12	
For Tinted Glass, Add	1.03	
For Reflective Coated Glass, Add	1.85	
For Low-E Coated Glass, Add	1.03	
For >50 To 200, Deduct	-0.12	
For >200 To 400, Deduct	-0.25	
For >400, Deduct	-0.37	
08 81 23 13-0006 SF 5/16" Thick, Clear Float Factory Installed Glass .....	6.85	
For Reflective Coated Glass, Add	3.08	
For Low-E Coated Glass, Add	1.71	
For Tinted Glass, Add	1.71	
For >50 To 200, Deduct	-0.21	
For >200 To 400, Deduct	-0.41	
For >400, Deduct	-0.62	
08 81 23 13-0007 SF 3/8" Thick, Clear Float Factory Installed Glass .....	9.96	
For Low-E Coated Glass, Add	2.49	
For Reflective Coated Glass, Add	4.48	
For Tinted Glass, Add	2.49	
For >50 To 200, Deduct	-0.30	
For >200 To 400, Deduct	-0.60	
For >400, Deduct	-0.90	
08 81 23 13-0008 SF 1/2" Thick, Clear Float Factory Installed Glass .....	10.95	
For Low-E Coated Glass, Add	2.74	
For Reflective Coated Glass, Add	4.93	
For Tinted Glass, Add	2.74	
For >50 To 200, Deduct	-0.33	
For >200 To 400, Deduct	-0.66	
For >400, Deduct	-0.99	
08 81 23 13-0009 SF 5/8" Thick, Clear Float Factory Installed Glass .....	13.09	
For Tinted Glass, Add	3.27	
For Reflective Coated Glass, Add	5.89	
For Low-E Coated Glass, Add	3.27	
For >50 To 200, Deduct	-0.39	
For >200 To 400, Deduct	-0.79	
For >400, Deduct	-1.18	
08 81 23 13-0010 SF 3/4" Thick, Clear Float Factory Installed Glass .....	16.17	
For Reflective Coated Glass, Add	7.28	
For Low-E Coated Glass, Add	4.04	
For Tinted Glass, Add	4.04	
For >50 To 200, Deduct	-0.49	
For >200 To 400, Deduct	-0.97	
For >400, Deduct	-1.46	
 08 81 23 13-0011 Heat Treated Factory Installed Glass <small>(08 81 23 13)</small>		
08 81 23 13-0012 Tempered, Clear Float Factory Installed Glass <small>(08 81 23 13-0011)</small>		
Note: Type I, Class I, Quality Q3.		
08 81 23 13-0013 SF 1/8" Thick, Tempered, Clear Float Factory Installed Glass .....	4.59	
For Tinted Glass, Add	1.15	
For Reflective Coated Glass, Add	2.07	
For Low-E Coated Glass, Add	1.15	
For >50 To 200, Deduct	-0.14	
For >200 To 400, Deduct	-0.28	
For >400, Deduct	-0.41	
08 81 23 13-0014 SF 3/16" Thick, Tempered, Clear Float Factory Installed Glass .....	4.91	
For Low-E Coated Glass, Add	1.23	
For Tinted Glass, Add	1.23	
For Reflective Coated Glass, Add	2.21	
For >50 To 200, Deduct	-0.15	
For >200 To 400, Deduct	-0.29	
For >400, Deduct	-0.44	
08 81 23 13-0015 SF 1/4" Thick, Tempered, Clear Float Factory Installed Glass .....	5.97	
For Tinted Glass, Add	1.49	
For Reflective Coated Glass, Add	2.69	
For Low-E Coated Glass, Add	1.49	
For >50 To 200, Deduct	-0.18	
For >200 To 400, Deduct	-0.36	
For >400, Deduct	-0.54	
08 81 23 13-0016 SF 5/16" Thick, Tempered, Clear Float Factory Installed Glass .....	9.94	
For Reflective Coated Glass, Add	4.47	
For Low-E Coated Glass, Add	2.49	
For Tinted Glass, Add	2.49	
For >50 To 200, Deduct	-0.30	
For >200 To 400, Deduct	-0.60	
For >400, Deduct	-0.89	

**08 Openings****08 80 Glazing****08 81 Glass Glazing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0017 SF 3/8" Thick, Tempered, Clear Float Factory Installed Glass.....	14.45	
For Low-E Coated Glass, Add	3.61	
For Reflective Coated Glass, Add	6.50	
For Tinted Glass, Add	3.61	
For >50 To 200, Deduct	-0.43	
For >200 To 400, Deduct	-0.87	
For >400, Deduct	-1.30	
08 81 23 13-0018 SF 1/2" Thick, Tempered, Clear Float Factory Installed Glass.....	15.87	
For Low-E Coated Glass, Add	3.97	
For Reflective Coated Glass, Add	7.14	
For Tinted Glass, Add	3.97	
For >50 To 200, Deduct	-0.48	
For >200 To 400, Deduct	-0.95	
For >400, Deduct	-1.43	
08 81 23 13-0019 SF 5/8" Thick, Tempered, Clear Float Factory Installed Glass.....	18.99	
For Tinted Glass, Add	4.75	
For Reflective Coated Glass, Add	8.55	
For Low-E Coated Glass, Add	4.75	
For >50 To 200, Deduct	-0.57	
For >200 To 400, Deduct	-1.14	
For >400, Deduct	-1.71	
08 81 23 13-0020 SF 3/4" Thick, Tempered, Clear Float Factory Installed Glass.....	23.46	
For Reflective Coated Glass, Add	10.56	
For Low-E Coated Glass, Add	5.87	
For Tinted Glass, Add	5.87	
For >50 To 200, Deduct	-0.70	
For >200 To 400, Deduct	-1.41	
For >400, Deduct	-2.11	
08 81 23 13-0021 Patterned Factory Installed Glass (08 81 23 13)		
08 81 23 13-0022 Rough Obscure, Factory Installed Glass (08 81 23 13-0021)		
Note: Class II, Form 3, Finish F1.		
08 81 23 13-0023 SF 1/4" Thick, Rough Obscure, Factory Installed Glass.....	9.01	
08 81 23 13-0024 Patterned, Figured Factory Installed Glass (08 81 23 13-0021)		
Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		
08 81 23 13-0025 SF 1/8" Thick, Patterned, Figured Factory Installed Glass.....	5.47	
08 81 23 13-0026 SF 7/32" Thick, Patterned, Figured Factory Installed Glass.....	5.47	
08 81 23 13-0027 Wired Factory Installed Glass (08 81 23 13)		
08 81 23 13-0028 Square Or Diamond Pattern, Wired Factory Installed Glass (08 81 23 13-0027)		
Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 13-0029 SF 1/4" Thick, Square Pattern, Wired Factory Installed Glass.....	14.17	
08 81 23 13-0030 SF 1/4" Thick, Diamond Pattern, Wired Factory Installed Glass.....	14.17	
08 81 23 13-0031 Polished, Wired Factory Installed Glass (08 81 23 13-0027)		
08 81 23 13-0032 SF 1/4" Thick, Polished, Wired Factory Installed Glass.....	15.49	
08 81 23 13-0033 Frosted Factory Installed Glass (08 81 23 13)		
08 81 23 13-0034 Frosted Factory Installed Glass (08 81 23 13-0033)		
08 81 23 13-0035 SF 1/8" Thick, Frosted Factory Installed Glass.....	7.16	
For >50 To 200, Deduct	-0.21	
For >200 To 400, Deduct	-0.43	
For >400, Deduct	-0.64	
08 81 23 13-0036 SF 3/16" Thick, Frosted Factory Installed Glass.....	9.40	
For >50 To 200, Deduct	-0.28	
For >200 To 400, Deduct	-0.56	
For >400, Deduct	-0.85	
08 81 23 13-0037 SF 1/4" Thick, Frosted Factory Installed Glass.....	11.88	
For >50 To 200, Deduct	-0.36	
For >200 To 400, Deduct	-0.71	
For >400, Deduct	-1.07	
08 81 23 13-0038 SF 3/8" Thick, Frosted Factory Installed Glass.....	17.76	
For >50 To 200, Deduct	-0.53	
For >200 To 400, Deduct	-1.07	
For >400, Deduct	-1.60	
08 81 23 13-0039 Fire Rated Factory Installed Glass (08 81 23 13)		
08 81 23 13-0040 Fire Rated Factory Installed Glass (08 81 23 13-0039)		
08 81 23 13-0041 SF 20 Minute, Fire Rated Factory Installed Glass.....	19.45	
08 81 23 13-0042 SF 45 Minute, Fire Rated Factory Installed Glass.....	38.72	
08 81 23 13-0043 SF 60 Minute, Fire Rated Factory Installed Glass.....	59.84	
08 81 23 13-0044 SF 90 Minute, Fire Rated Factory Installed Glass.....	79.20	



<b>Openings</b>	<b>08</b>	<b>08</b>
Glazing	08 80	
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0045 Laminated Factory Installed Glass <small>(08 81 23 13)</small>		
08 81 23 13-0046 Laminated Glass With PVB Interlayer, Factory Installed Glass <small>(08 81 23 13-0045)</small> Note: Type I, Class I, Quality Q3.		
08 81 23 13-0047 SF 1/4" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass.....	12.62	
For One Piece Heat Strengthened Glass, Add	2.52	
For Tinted Glass, Add	3.16	
For Reflective Coated Glass, Add	5.68	
For One Piece Fully Tempered Glass, Add	2.52	
For Low-E Coated Glass, Add	3.16	
For >50 To 200, Deduct	-0.38	
For >200 To 400, Deduct	-0.76	
For >400, Deduct	-1.14	
08 81 23 13-0048 SF 3/8" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass.....	15.75	
For Reflective Coated Glass, Add	7.09	
For Low-E Coated Glass, Add	3.94	
For One Piece Heat Strengthened Glass, Add	3.15	
For One Piece Fully Tempered Glass, Add	3.15	
For Tinted Glass, Add	3.94	
For >50 To 200, Deduct	-0.47	
For >200 To 400, Deduct	-0.95	
For >400, Deduct	-1.42	
08 81 23 13-0049 SF 1/2" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass.....	21.41	
For Reflective Coated Glass, Add	9.63	
For One Piece Fully Tempered Glass, Add	4.28	
For One Piece Heat Strengthened Glass, Add	4.28	
For Tinted Glass, Add	5.35	
For Low-E Coated Glass, Add	5.35	
For >50 To 200, Deduct	-0.64	
For >200 To 400, Deduct	-1.28	
For >400, Deduct	-1.93	
08 81 23 13-0050 Insulated Factory Installed Glass <small>(08 81 23 13)</small>		
08 81 23 13-0051 Insulated, Factory Installed Glass <small>(08 81 23 13-0050)</small> Note: Type I, Class I, Quality Q3.		
08 81 23 13-0052 3/16" Air Space, Insulated, Factory Installed Glass <small>(08 81 23 13-0051)</small> Note: Type I, Class I, Quality Q3.		
08 81 23 13-0053 SF 3/8" Thick, Insulated Factory Installed Glass.....	8.36	
Note: Two 3/32" lites with 3/16" air space.		
For Argon Gas, Add	2.30	
For One Piece Fully Tempered Glass, Add	1.67	
For One Piece Heat Strengthened Glass, Add	1.67	
For Tinted Glass, Add	2.09	
For Low-E Coated Glass, Add	2.09	
For Reflective Coated Glass, Add	3.76	
For One Piece Obscure Glass, Add	3.55	
For >50 To 200, Deduct	-0.25	
For >200 To 400, Deduct	-0.50	
For >400, Deduct	-0.75	
08 81 23 13-0054 SF 1/2" Thick, Insulated Factory Installed Glass.....	9.13	
Note: One 3/16" lite and one 1/8" lite with 3/16" air space.		
For Argon Gas, Add	2.51	
For One Piece Fully Tempered Glass, Add	1.83	
For One Piece Heat Strengthened Glass, Add	1.83	
For Tinted Glass, Add	2.28	
For Low-E Coated Glass, Add	2.28	
For Reflective Coated Glass, Add	4.11	
For One Piece Obscure Glass, Add	3.88	
For >50 To 200, Deduct	-0.27	
For >200 To 400, Deduct	-0.55	
For >400, Deduct	-0.82	
08 81 23 13-0055 SF 9/16" Thick, Insulated Factory Installed Glass.....	9.15	
Note: Two 3/16" lites with 3/16" air space.		
For One Piece Heat Strengthened Glass, Add	1.83	
For One Piece Fully Tempered Glass, Add	1.83	
For Tinted Glass, Add	2.29	
For Low-E Coated Glass, Add	2.29	
For Argon Gas, Add	2.52	
For One Piece Obscure Glass, Add	3.89	
For Reflective Coated Glass, Add	4.12	
For >50 To 200, Deduct	-0.27	
For >200 To 400, Deduct	-0.55	
For >400, Deduct	-0.82	
08 81 23 13-0056 1/4" Air Space, Insulated, Factory Installed Glass <small>(08 81 23 13-0051)</small> Note: Type I, Class I, Quality Q3.		



**08 Openings****08 80 Glazing****08 81 Glass Glazing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0057	SF		7/16" Thick, Insulated Factory Installed Glass ..... 8.61 Note: Two 3/32" lites with 1/4" air space.		
			For Argon Gas, Add	2.37	
			For One Piece Fully Tempered Glass, Add	1.72	
			For One Piece Heat Strengthened Glass, Add	1.72	
			For Tinted Glass, Add	2.15	
			For Low-E Coated Glass, Add	2.15	
			For Reflective Coated Glass, Add	3.87	
			For One Piece Obscure Glass, Add	3.66	
			For >50 To 200, Deduct	-0.26	
			For >200 To 400, Deduct	-0.52	
			For >400, Deduct	-0.77	
08 81 23 13-0058	SF		1/2" Thick, Insulated Factory Installed Glass ..... 9.13 Note: Two 1/8" lites with 1/4" air space.		
			For Argon Gas, Add	2.51	
			For One Piece Fully Tempered Glass, Add	1.83	
			For One Piece Heat Strengthened Glass, Add	1.83	
			For Tinted Glass, Add	2.28	
			For Low-E Coated Glass, Add	2.28	
			For Reflective Coated Glass, Add	4.11	
			For One Piece Obscure Glass, Add	3.88	
			For >50 To 200, Deduct	-0.27	
			For >200 To 400, Deduct	-0.55	
			For >400, Deduct	-0.82	
08 81 23 13-0059	SF		5/8" Thick, Insulated Factory Installed Glass ..... 9.24 Note: Two 3/16" lites with 1/4" air space.		
			For One Piece Heat Strengthened Glass, Add	1.85	
			For One Piece Fully Tempered Glass, Add	1.85	
			For Tinted Glass, Add	2.31	
			For Low-E Coated Glass, Add	2.31	
			For Argon Gas, Add	2.54	
			For One Piece Obscure Glass, Add	3.93	
			For Reflective Coated Glass, Add	4.16	
			For >50 To 200, Deduct	-0.28	
			For >200 To 400, Deduct	-0.55	
			For >400, Deduct	-0.83	
08 81 23 13-0060	SF		5/8" Thick, Insulated Factory Installed Glass ..... 9.24 Note: One 1/4" lite and one 1/8" lite with 1/4" air space.		
			For One Piece Heat Strengthened Glass, Add	1.85	
			For One Piece Fully Tempered Glass, Add	1.85	
			For Tinted Glass, Add	2.31	
			For Low-E Coated Glass, Add	2.31	
			For Argon Gas, Add	2.54	
			For One Piece Obscure Glass, Add	3.93	
			For Reflective Coated Glass, Add	4.16	
			For >50 To 200, Deduct	-0.28	
			For >200 To 400, Deduct	-0.55	
			For >400, Deduct	-0.83	
08 81 23 13-0061	SF		3/4" Thick, Insulated Factory Installed Glass ..... 9.68 Note: Two 1/4" lites with 1/4" air space.		
			For One Piece Obscure Glass, Add	4.11	
			For One Piece Fully Tempered Glass, Add	1.94	
			For Reflective Coated Glass, Add	4.36	
			For Low-E Coated Glass, Add	2.42	
			For Argon Gas, Add	2.66	
			For Tinted Glass, Add	2.42	
			For One Piece Heat Strengthened Glass, Add	1.94	
			For >50 To 200, Deduct	-0.29	
			For >200 To 400, Deduct	-0.58	
			For >400, Deduct	-0.87	
08 81 23 13-0062			3/8" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0051) Note: Type I, Class I, Quality Q3.		
08 81 23 13-0063	SF		5/8" Thick, Insulated Factory Installed Glass ..... 9.24 Note: Two 1/8" lites with 3/8" air space.		
			For One Piece Heat Strengthened Glass, Add	1.85	
			For One Piece Fully Tempered Glass, Add	1.85	
			For Tinted Glass, Add	2.31	
			For Low-E Coated Glass, Add	2.31	
			For Argon Gas, Add	2.54	
			For One Piece Obscure Glass, Add	3.93	
			For Reflective Coated Glass, Add	4.16	
			For >50 To 200, Deduct	-0.28	
			For >200 To 400, Deduct	-0.55	
			For >400, Deduct	-0.83	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Glazing</b>	<b>08 80</b>	
<b>Glass Glazing</b>	<b>08 81</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0064 SF 3/4" Thick, Insulated Factory Installed Glass .....9.68 Note: Two 3/16" lites with 3/8" air space. <i>For One Piece Heat Strengthened Glass, Add</i> 1.94 <i>For One Piece Fully Tempered Glass, Add</i> 1.94 <i>For Tinted Glass, Add</i> 2.42 <i>For Low-E Coated Glass, Add</i> 2.42 <i>For Argon Gas, Add</i> 2.66 <i>For One Piece Obscure Glass, Add</i> 4.11 <i>For Reflective Coated Glass, Add</i> 4.36 <i>For &gt;50 To 200, Deduct</i> -0.29 <i>For &gt;200 To 400, Deduct</i> -0.58 <i>For &gt;400, Deduct</i> -0.87		
08 81 23 13-0065 SF 7/8" Thick, Insulated Factory Installed Glass .....10.74 Note: Two 1/4" lites with 3/8" air space. <i>For One Piece Heat Strengthened Glass, Add</i> 2.15 <i>For One Piece Fully Tempered Glass, Add</i> 2.15 <i>For Tinted Glass, Add</i> 2.69 <i>For Low-E Coated Glass, Add</i> 2.69 <i>For Argon Gas, Add</i> 2.95 <i>For One Piece Obscure Glass, Add</i> 4.56 <i>For Reflective Coated Glass, Add</i> 4.83 <i>For &gt;50 To 200, Deduct</i> -0.32 <i>For &gt;200 To 400, Deduct</i> -0.64 <i>For &gt;400, Deduct</i> -0.97		
<b>08 81 23 13-0066 1/2" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0051)</b>		
08 81 23 13-0067 SF 3/4" Thick, Insulated Factory Installed Glass .....9.68 Note: Type I, Class I, Quality Q3. Note: Two 1/8" lites with 1/2" air space. <i>For One Piece Heat Strengthened Glass, Add</i> 1.94 <i>For One Piece Fully Tempered Glass, Add</i> 1.94 <i>For Tinted Glass, Add</i> 2.42 <i>For Low-E Coated Glass, Add</i> 2.42 <i>For Argon Gas, Add</i> 2.66 <i>For One Piece Obscure Glass, Add</i> 4.11 <i>For Reflective Coated Glass, Add</i> 4.36 <i>For &gt;50 To 200, Deduct</i> -0.29 <i>For &gt;200 To 400, Deduct</i> -0.58 <i>For &gt;400, Deduct</i> -0.87		
08 81 23 13-0068 SF 7/8" Thick, Insulated Factory Installed Glass .....10.74 Note: Two 3/16" lites with 1/2" air space. <i>For One Piece Heat Strengthened Glass, Add</i> 2.15 <i>For One Piece Fully Tempered Glass, Add</i> 2.15 <i>For Tinted Glass, Add</i> 2.69 <i>For Low-E Coated Glass, Add</i> 2.69 <i>For Argon Gas, Add</i> 2.95 <i>For One Piece Obscure Glass, Add</i> 4.56 <i>For Reflective Coated Glass, Add</i> 4.83 <i>For &gt;50 To 200, Deduct</i> -0.32 <i>For &gt;200 To 400, Deduct</i> -0.64 <i>For &gt;400, Deduct</i> -0.97		
08 81 23 13-0069 SF 7/8" Thick, Insulated Factory Installed Glass .....10.74 Note: One 1/4" lite and one 1/8" lite with 1/2" air space. <i>For One Piece Heat Strengthened Glass, Add</i> 2.15 <i>For One Piece Fully Tempered Glass, Add</i> 2.15 <i>For Tinted Glass, Add</i> 2.69 <i>For Low-E Coated Glass, Add</i> 2.69 <i>For Argon Gas, Add</i> 2.95 <i>For One Piece Obscure Glass, Add</i> 4.56 <i>For Reflective Coated Glass, Add</i> 4.83 <i>For &gt;50 To 200, Deduct</i> -0.32 <i>For &gt;200 To 400, Deduct</i> -0.64 <i>For &gt;400, Deduct</i> -0.97		
08 81 23 13-0070 SF 1" Thick, Insulated Factory Installed Glass .....11.74 Note: Two 1/4" lites with 1/2" air space. <i>For One Piece Heat Strengthened Glass, Add</i> 2.35 <i>For Tinted Glass, Add</i> 2.94 <i>For One Piece Obscure Glass, Add</i> 4.99 <i>For Argon Gas, Add</i> 3.23 <i>For Low-E Coated Glass, Add</i> 2.94 <i>For One Piece Fully Tempered Glass, Add</i> 2.35 <i>For Reflective Coated Glass, Add</i> 5.28 <i>For &gt;50 To 200, Deduct</i> -0.35 <i>For &gt;200 To 400, Deduct</i> -0.70 <i>For &gt;400, Deduct</i> -1.06		

**08 81 23 23 Field Installed Glass Glazing (08 81 23)**

08 81 23 23-0001	Clear Float Field Installed Glass (08 81 23 23)
08 81 23 23-0002	Clear Float Field Installed Glass (08 81 23 23-0001) Note: Type I, Class I, Quality Q3.

**08 Openings****08 80 Glazing****08 81 Glass Glazing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0003	SF		1/8" Thick, Clear Float Field Installed Glass .....	9.70	
			For Tinted Glass, Add	0.79	
			For Reflective Coated Glass, Add	1.43	
			For Low-E Coated Glass, Add	0.79	
			For >50 To 200, Deduct	-0.10	
			For >200 To 400, Deduct	-0.19	
			For >400, Deduct	-0.29	
			For Glass Removal And Preparing Opening For New Glazing, Add	6.53	
08 81 23 23-0004	SF		3/16" Thick, Clear Float Field Installed Glass .....	10.43	
			For Low-E Coated Glass, Add	0.85	
			For Tinted Glass, Add	0.85	
			For Reflective Coated Glass, Add	1.53	
			For >50 To 200, Deduct	-0.10	
			For >200 To 400, Deduct	-0.20	
			For >400, Deduct	-0.31	
			For Glass Removal And Preparing Opening For New Glazing, Add	7.03	
08 81 23 23-0005	SF		1/4" Thick, Clear Float Field Installed Glass .....	11.65	
			For Tinted Glass, Add	1.03	
			For Reflective Coated Glass, Add	1.85	
			For Low-E Coated Glass, Add	1.03	
			For >50 To 200, Deduct	-0.12	
			For >200 To 400, Deduct	-0.25	
			For >400, Deduct	-0.37	
			For Glass Removal And Preparing Opening For New Glazing, Add	7.53	
08 81 23 23-0006	SF		5/16" Thick, Clear Float Field Installed Glass .....	15.38	
			For Reflective Coated Glass, Add	3.08	
			For Low-E Coated Glass, Add	1.71	
			For Tinted Glass, Add	1.71	
			For >50 To 200, Deduct	-0.21	
			For >200 To 400, Deduct	-0.41	
			For >400, Deduct	-0.62	
			For Glass Removal And Preparing Opening For New Glazing, Add	8.53	
08 81 23 23-0007	SF		3/8" Thick, Clear Float Field Installed Glass .....	19.50	
			For Low-E Coated Glass, Add	2.49	
			For Reflective Coated Glass, Add	4.48	
			For Tinted Glass, Add	2.49	
			For >50 To 200, Deduct	-0.30	
			For >200 To 400, Deduct	-0.60	
			For >400, Deduct	-0.90	
			For Glass Removal And Preparing Opening For New Glazing, Add	9.54	
08 81 23 23-0008	SF		1/2" Thick, Clear Float Field Installed Glass .....	21.49	
			For Low-E Coated Glass, Add	2.74	
			For Reflective Coated Glass, Add	4.93	
			For Tinted Glass, Add	2.74	
			For >50 To 200, Deduct	-0.33	
			For >200 To 400, Deduct	-0.66	
			For >400, Deduct	-0.99	
			For Glass Removal And Preparing Opening For New Glazing, Add	10.54	
08 81 23 23-0009	SF		5/8" Thick, Clear Float Field Installed Glass .....	26.14	
			For Tinted Glass, Add	3.27	
			For Reflective Coated Glass, Add	5.89	
			For Low-E Coated Glass, Add	3.27	
			For >50 To 200, Deduct	-0.39	
			For >200 To 400, Deduct	-0.79	
			For >400, Deduct	-1.18	
			For Glass Removal And Preparing Opening For New Glazing, Add	13.05	
08 81 23 23-0010	SF		3/4" Thick, Clear Float Field Installed Glass .....	31.73	
			For Reflective Coated Glass, Add	7.28	
			For Low-E Coated Glass, Add	4.04	
			For Tinted Glass, Add	4.04	
			For >50 To 200, Deduct	-0.49	
			For >200 To 400, Deduct	-0.97	
			For >400, Deduct	-1.46	
			For Glass Removal And Preparing Opening For New Glazing, Add	15.56	
08 81 23 23-0011			Heat Treated Field Installed Glass <small>(08 81 23 23)</small>		
08 81 23 23-0012			Tempered, Clear Float Field Installed Glass <small>(08 81 23 23-0011)</small> Note: Type I, Class I, Quality Q3.		
08 81 23 23-0013	SF		1/8" Thick, Tempered, Clear Float Field Installed Glass .....	11.12	
			For Tinted Glass, Add	1.15	
			For Reflective Coated Glass, Add	2.07	
			For Low-E Coated Glass, Add	1.15	
			For >50 To 200, Deduct	-0.14	
			For >200 To 400, Deduct	-0.28	
			For >400, Deduct	-0.41	
			For Glass Removal And Preparing Opening For New Glazing, Add	6.53	
08 81 23 23-0014	SF		3/16" Thick, Tempered, Clear Float Field Installed Glass .....	11.94	
			For Low-E Coated Glass, Add	1.23	
			For Tinted Glass, Add	1.23	
			For Reflective Coated Glass, Add	2.21	
			For >50 To 200, Deduct	-0.15	
			For >200 To 400, Deduct	-0.29	
			For >400, Deduct	-0.44	
			For Glass Removal And Preparing Opening For New Glazing, Add	7.03	



<b>Openings</b>	<b>08</b>	<b>08</b>
Glazing	08 80	
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0015 SF 1/4" Thick, Tempered, Clear Float Field Installed Glass.....	13.50	
For Tinted Glass, Add	1.49	
For Reflective Coated Glass, Add	2.69	
For Low-E Coated Glass, Add	1.49	
For >50 To 200, Deduct	-0.18	
For >200 To 400, Deduct	-0.36	
For >400, Deduct	-0.54	
For Glass Removal And Preparing Opening For New Glazing, Add	7.53	
08 81 23 23-0016 SF 5/16" Thick, Tempered, Clear Float Field Installed Glass.....	18.47	
For Reflective Coated Glass, Add	4.47	
For Low-E Coated Glass, Add	2.49	
For Tinted Glass, Add	2.49	
For >50 To 200, Deduct	-0.30	
For >200 To 400, Deduct	-0.60	
For >400, Deduct	-0.89	
For Glass Removal And Preparing Opening For New Glazing, Add	8.53	
08 81 23 23-0017 SF 3/8" Thick, Tempered, Clear Float Field Installed Glass.....	23.99	
For Low-E Coated Glass, Add	3.61	
For Reflective Coated Glass, Add	6.50	
For Tinted Glass, Add	3.61	
For >50 To 200, Deduct	-0.43	
For >200 To 400, Deduct	-0.87	
For >400, Deduct	-1.30	
For Glass Removal And Preparing Opening For New Glazing, Add	9.54	
08 81 23 23-0018 SF 1/2" Thick, Tempered, Clear Float Field Installed Glass.....	26.41	
For Low-E Coated Glass, Add	3.97	
For Reflective Coated Glass, Add	7.14	
For Tinted Glass, Add	3.97	
For >50 To 200, Deduct	-0.48	
For >200 To 400, Deduct	-0.95	
For >400, Deduct	-1.43	
For Glass Removal And Preparing Opening For New Glazing, Add	10.54	
08 81 23 23-0019 SF 5/8" Thick, Tempered, Clear Float Field Installed Glass.....	32.04	
For Tinted Glass, Add	4.75	
For Reflective Coated Glass, Add	8.55	
For Low-E Coated Glass, Add	4.75	
For >50 To 200, Deduct	-0.57	
For >200 To 400, Deduct	-1.14	
For >400, Deduct	-1.71	
For Glass Removal And Preparing Opening For New Glazing, Add	13.05	
08 81 23 23-0020 SF 3/4" Thick, Tempered, Clear Float Field Installed Glass.....	39.02	
For Reflective Coated Glass, Add	10.56	
For Low-E Coated Glass, Add	5.87	
For Tinted Glass, Add	5.87	
For >50 To 200, Deduct	-0.70	
For >200 To 400, Deduct	-1.41	
For >400, Deduct	-2.11	
For Glass Removal And Preparing Opening For New Glazing, Add	15.56	
08 81 23 23-0021 Patterned Field Installed Glass (08 81 23 23)		
08 81 23 23-0022 Rough Obscure Field Installed Glass (08 81 23 23-0021)		
Note: Class II, Form 3, Finish F1.		
08 81 23 23-0023 SF 1/4" Thick, Rough Obscure Field Installed Glass.....	16.54	
For Glass Removal And Preparing Opening For New Glazing, Add	7.53	
08 81 23 23-0024 Patterned, Figured Field Installed Glass (08 81 23 23-0021)		
Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		
08 81 23 23-0025 SF 1/8" Thick, Patterned, Figured Field Installed Glass.....	12.00	
For Glass Removal And Preparing Opening For New Glazing, Add	6.53	
08 81 23 23-0026 SF 7/32" Thick, Patterned, Figured Field Installed Glass.....	12.75	
For Glass Removal And Preparing Opening For New Glazing, Add	7.28	
08 81 23 23-0027 Wired Field Installed Glass (08 81 23 23)		
08 81 23 23-0028 Square Or Diamond Pattern, Wired Field Installed Glass (08 81 23 23-0027)		
Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 23-0029 SF 1/4" Thick, Square Pattern, Wired Field Installed Glass.....	21.70	
For Glass Removal And Preparing Opening For New Glazing, Add	7.53	
08 81 23 23-0030 SF 1/4" Thick, Diamond Pattern, Wired Field Installed Glass.....	21.70	
For Glass Removal And Preparing Opening For New Glazing, Add	7.53	
08 81 23 23-0031 Polished, Wired Field Installed Glass (08 81 23 23-0027)		
08 81 23 23-0032 SF 1/4" Thick, Polished, Wired Field Installed Glass.....	23.02	
For Glass Removal And Preparing Opening For New Glazing, Add	7.53	
08 81 23 23-0033 Frosted Field Installed Glass (08 81 23 23)		
08 81 23 23-0034 Frosted Field Installed Glass (08 81 23 23-0033)		

**08 Openings****08 80 Glazing****08 81 Glass Glazing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0035	SF		1/8" Thick, Frosted Field Installed Glass.....	13.69	
			<i>For &gt;50 To 200, Deduct</i>	-0.21	
			<i>For &gt;200 To 400, Deduct</i>	-0.43	
			<i>For &gt;400, Deduct</i>	-0.64	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	6.53	
08 81 23 23-0036	SF		3/16" Thick, Frosted Field Installed Glass.....	16.43	
			<i>For &gt;50 To 200, Deduct</i>	-0.28	
			<i>For &gt;200 To 400, Deduct</i>	-0.56	
			<i>For &gt;400, Deduct</i>	-0.85	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	7.03	
08 81 23 23-0037	SF		1/4" Thick, Frosted Field Installed Glass.....	19.41	
			<i>For &gt;50 To 200, Deduct</i>	-0.36	
			<i>For &gt;200 To 400, Deduct</i>	-0.71	
			<i>For &gt;400, Deduct</i>	-1.07	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	7.53	
08 81 23 23-0038	SF		3/8" Thick, Frosted Field Installed Glass.....	27.30	
			<i>For &gt;50 To 200, Deduct</i>	-0.53	
			<i>For &gt;200 To 400, Deduct</i>	-1.07	
			<i>For &gt;400, Deduct</i>	-1.60	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	9.54	
08 81 23 23-0039			<b>Fire Rated Field Installed Glass</b> (08 81 23 23)		
08 81 23 23-0040			<b>Fire Rated Field Installed Glass</b> (08 81 23 23-0039)		
08 81 23 23-0041	SF		20 Minute, Fire Rated Field Installed Glass.....	26.98	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	7.53	
08 81 23 23-0042	SF		45 Minute, Fire Rated Field Installed Glass.....	46.25	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	7.53	
08 81 23 23-0043	SF		60 Minute, Fire Rated Field Installed Glass.....	67.37	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	7.53	
08 81 23 23-0044	SF		90 Minute, Fire Rated Field Installed Glass.....	86.73	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	7.53	
08 81 23 23-0045			<b>Laminated Field Installed Glass</b> (08 81 23 23)		
08 81 23 23-0046			<b>Laminated Glass With PVB Interlayer, Field Installed Glass</b> (08 81 23 23-0045)		
			Note: Type I, Class I, Quality Q3.		
08 81 23 23-0047	SF		1/4" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass.....	20.15	
			<i>For One Piece Heat Strengthened Glass, Add</i>	2.52	
			<i>For Tinted Glass, Add</i>	3.16	
			<i>For Reflective Coated Glass, Add</i>	5.68	
			<i>For One Piece Fully Tempered Glass, Add</i>	2.52	
			<i>For Low-E Coated Glass, Add</i>	3.16	
			<i>For &gt;50 To 200, Deduct</i>	-0.38	
			<i>For &gt;200 To 400, Deduct</i>	-0.76	
			<i>For &gt;400, Deduct</i>	-1.14	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	7.53	
08 81 23 23-0048	SF		3/8" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass.....	25.29	
			<i>For Reflective Coated Glass, Add</i>	7.09	
			<i>For Low-E Coated Glass, Add</i>	3.94	
			<i>For One Piece Heat Strengthened Glass, Add</i>	3.15	
			<i>For One Piece Fully Tempered Glass, Add</i>	3.15	
			<i>For Tinted Glass, Add</i>	3.94	
			<i>For &gt;50 To 200, Deduct</i>	-0.47	
			<i>For &gt;200 To 400, Deduct</i>	-0.95	
			<i>For &gt;400, Deduct</i>	-1.42	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	9.54	
08 81 23 23-0049	SF		1/2" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass.....	31.95	
			<i>For Reflective Coated Glass, Add</i>	9.63	
			<i>For One Piece Fully Tempered Glass, Add</i>	4.28	
			<i>For One Piece Heat Strengthened Glass, Add</i>	4.28	
			<i>For Tinted Glass, Add</i>	5.35	
			<i>For Low-E Coated Glass, Add</i>	5.35	
			<i>For &gt;50 To 200, Deduct</i>	-0.64	
			<i>For &gt;200 To 400, Deduct</i>	-1.28	
			<i>For &gt;400, Deduct</i>	-1.93	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	10.54	
08 81 23 23-0050	SF		9/16" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass.....	34.88	
			<i>For Reflective Coated Glass, Add</i>	10.84	
			<i>For One Piece Fully Tempered Glass, Add</i>	4.82	
			<i>For One Piece Heat Strengthened Glass, Add</i>	4.82	
			<i>For Tinted Glass, Add</i>	6.02	
			<i>For Low-E Coated Glass, Add</i>	6.02	
			<i>For &gt;50 To 200, Deduct</i>	-0.72	
			<i>For &gt;200 To 400, Deduct</i>	-1.45	
			<i>For &gt;400, Deduct</i>	-2.17	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	10.79	
08 81 23 23-0051			<b>Insulated Field Installed Glass</b> (08 81 23 23)		
08 81 23 23-0052			<b>Insulated Glass, Field Installed Glass</b> (08 81 23 23-0051)		
			Note: Type I, Class I, Quality Q3.		



<b>Openings</b>	<b>08</b>	<b>08</b>
Glazing	08 80	
Glass Glazing	08 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 81 23 23-0053</b> <b>3/16" Air Space, Insulated, Field Installed Glass</b> <small>(08 81 23 23-0052)</small>		
<i>Note: Type I, Class I, Quality Q3.</i>		
08 81 23 23-0054    SF    3/8" Thick, Insulated Field Installed Glass .....	16.79	
<i>Note: Two 3/32" lites with 3/16" air space.</i>		
<i>For Argon Gas, Add</i>	2.30	
<i>For One Piece Fully Tempered Glass, Add</i>	1.67	
<i>For One Piece Heat Strengthened Glass, Add</i>	1.67	
<i>For Tinted Glass, Add</i>	2.09	
<i>For Low-E Coated Glass, Add</i>	2.09	
<i>For Reflective Coated Glass, Add</i>	3.76	
<i>For One Piece Obscure Glass, Add</i>	3.55	
<i>For &gt;50 To 200, Deduct</i>	-0.25	
<i>For &gt;200 To 400, Deduct</i>	-0.50	
<i>For &gt;400, Deduct</i>	-0.75	
<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	8.43	
08 81 23 23-0055    SF    1/2" Thick, Insulated Field Installed Glass .....	17.91	
<i>Note: One 3/16" lite and one 1/8" lite with 3/16" air space.</i>		
<i>For Argon Gas, Add</i>	2.51	
<i>For One Piece Fully Tempered Glass, Add</i>	1.83	
<i>For One Piece Heat Strengthened Glass, Add</i>	1.83	
<i>For Tinted Glass, Add</i>	2.28	
<i>For Low-E Coated Glass, Add</i>	2.28	
<i>For Reflective Coated Glass, Add</i>	4.11	
<i>For One Piece Obscure Glass, Add</i>	3.88	
<i>For &gt;50 To 200, Deduct</i>	-0.27	
<i>For &gt;200 To 400, Deduct</i>	-0.55	
<i>For &gt;400, Deduct</i>	-0.82	
<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	8.78	
08 81 23 23-0056    SF    9/16" Thick, Insulated Field Installed Glass .....	18.08	
<i>Note: Two 3/16" lites with 3/16" air space.</i>		
<i>For One Piece Heat Strengthened Glass, Add</i>	1.83	
<i>For One Piece Fully Tempered Glass, Add</i>	1.83	
<i>For Tinted Glass, Add</i>	2.29	
<i>For Low-E Coated Glass, Add</i>	2.29	
<i>For Argon Gas, Add</i>	2.52	
<i>For One Piece Obscure Glass, Add</i>	3.89	
<i>For Reflective Coated Glass, Add</i>	4.12	
<i>For &gt;50 To 200, Deduct</i>	-0.27	
<i>For &gt;200 To 400, Deduct</i>	-0.55	
<i>For &gt;400, Deduct</i>	-0.82	
<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	8.93	
<b>08 81 23 23-0057</b> <b>1/4" Air Space, Insulated, Field Installed Glass</b> <small>(08 81 23 23-0052)</small>		
<i>Note: Type I, Class I, Quality Q3.</i>		
08 81 23 23-0058    SF    7/16" Thick, Insulated Field Installed Glass .....	17.19	
<i>Note: Two 3/32" lites with 1/4" air space.</i>		
<i>For Argon Gas, Add</i>	2.37	
<i>For One Piece Fully Tempered Glass, Add</i>	1.72	
<i>For One Piece Heat Strengthened Glass, Add</i>	1.72	
<i>For Tinted Glass, Add</i>	2.15	
<i>For Low-E Coated Glass, Add</i>	2.15	
<i>For Reflective Coated Glass, Add</i>	3.87	
<i>For One Piece Obscure Glass, Add</i>	3.66	
<i>For &gt;50 To 200, Deduct</i>	-0.26	
<i>For &gt;200 To 400, Deduct</i>	-0.52	
<i>For &gt;400, Deduct</i>	-0.77	
<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	8.58	
08 81 23 23-0059    SF    1/2" Thick, Insulated Field Installed Glass .....	17.91	
<i>Note: Two 1/8" lites with 1/4" air space.</i>		
<i>For Argon Gas, Add</i>	2.51	
<i>For One Piece Fully Tempered Glass, Add</i>	1.83	
<i>For One Piece Heat Strengthened Glass, Add</i>	1.83	
<i>For Tinted Glass, Add</i>	2.28	
<i>For Low-E Coated Glass, Add</i>	2.28	
<i>For Reflective Coated Glass, Add</i>	4.11	
<i>For One Piece Obscure Glass, Add</i>	3.88	
<i>For &gt;50 To 200, Deduct</i>	-0.27	
<i>For &gt;200 To 400, Deduct</i>	-0.55	
<i>For &gt;400, Deduct</i>	-0.82	
<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	8.78	
08 81 23 23-0060    SF    5/8" Thick, Insulated Field Installed Glass .....	18.61	
<i>Note: Two 3/16" lites with 1/4" air space.</i>		
<i>For One Piece Heat Strengthened Glass, Add</i>	1.85	
<i>For One Piece Fully Tempered Glass, Add</i>	1.85	
<i>For Tinted Glass, Add</i>	2.31	
<i>For Low-E Coated Glass, Add</i>	2.31	
<i>For Argon Gas, Add</i>	2.54	
<i>For One Piece Obscure Glass, Add</i>	3.93	
<i>For Reflective Coated Glass, Add</i>	4.16	
<i>For &gt;50 To 200, Deduct</i>	-0.28	
<i>For &gt;200 To 400, Deduct</i>	-0.55	
<i>For &gt;400, Deduct</i>	-0.83	
<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	9.37	

**08 Openings****08 80 Glazing****08 81 Glass Glazing**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 81 23 23-0061	SF	5/8" Thick, Insulated Field Installed Glass .....	18.61	
		Note: One 1/4" lite and one 1/8" lite with 1/4" air space.		
		For One Piece Heat Strengthened Glass, Add	1.85	
		For One Piece Fully Tempered Glass, Add	1.85	
		For Tinted Glass, Add	2.31	
		For Low-E Coated Glass, Add	2.31	
		For Argon Gas, Add	2.54	
		For One Piece Obscure Glass, Add	3.93	
		For Reflective Coated Glass, Add	4.16	
		For >50 To 200, Deduct	-0.28	
		For >200 To 400, Deduct	-0.55	
		For >400, Deduct	-0.83	
		For Glass Removal And Preparing Opening For New Glazing, Add	9.37	
08 81 23 23-0062	SF	3/4" Thick, Insulated Field Installed Glass .....	19.90	
		Note: Two 1/4" lites with 1/4" air space.		
		For One Piece Obscure Glass, Add	4.11	
		For One Piece Fully Tempered Glass, Add	1.94	
		For Reflective Coated Glass, Add	4.36	
		For Low-E Coated Glass, Add	2.42	
		For Argon Gas, Add	2.66	
		For Tinted Glass, Add	2.42	
		For One Piece Heat Strengthened Glass, Add	1.94	
		For >50 To 200, Deduct	-0.29	
		For >200 To 400, Deduct	-0.58	
		For >400, Deduct	-0.87	
		For Glass Removal And Preparing Opening For New Glazing, Add	10.22	
08 81 23 23-0063		<b>3/8" Air Space, Insulated, Field Installed Glass</b> (08 81 23 23-0052)		
		Note: Type I, Class I, Quality Q3.		
08 81 23 23-0064	SF	5/8" Thick, Insulated Field Installed Glass .....	18.61	
		Note: Two 1/8" lites with 3/8" air space.		
		For One Piece Heat Strengthened Glass, Add	1.85	
		For One Piece Fully Tempered Glass, Add	1.85	
		For Tinted Glass, Add	2.31	
		For Low-E Coated Glass, Add	2.31	
		For Argon Gas, Add	2.54	
		For One Piece Obscure Glass, Add	3.93	
		For Reflective Coated Glass, Add	4.16	
		For >50 To 200, Deduct	-0.28	
		For >200 To 400, Deduct	-0.55	
		For >400, Deduct	-0.83	
		For Glass Removal And Preparing Opening For New Glazing, Add	9.37	
08 81 23 23-0065	SF	3/4" Thick, Insulated Field Installed Glass .....	19.90	
		Note: Two 3/16" lites with 3/8" air space.		
		For One Piece Heat Strengthened Glass, Add	1.94	
		For One Piece Fully Tempered Glass, Add	1.94	
		For Tinted Glass, Add	2.42	
		For Low-E Coated Glass, Add	2.42	
		For Argon Gas, Add	2.66	
		For One Piece Obscure Glass, Add	4.11	
		For Reflective Coated Glass, Add	4.36	
		For >50 To 200, Deduct	-0.29	
		For >200 To 400, Deduct	-0.58	
		For >400, Deduct	-0.87	
		For Glass Removal And Preparing Opening For New Glazing, Add	10.22	
08 81 23 23-0066	SF	7/8" Thick, Insulated Field Installed Glass .....	21.18	
		Note: Two 1/4" lites with 3/8" air space.		
		For One Piece Heat Strengthened Glass, Add	2.15	
		For One Piece Fully Tempered Glass, Add	2.15	
		For Tinted Glass, Add	2.69	
		For Low-E Coated Glass, Add	2.69	
		For Argon Gas, Add	2.95	
		For One Piece Obscure Glass, Add	4.56	
		For Reflective Coated Glass, Add	4.83	
		For >50 To 200, Deduct	-0.32	
		For >200 To 400, Deduct	-0.64	
		For >400, Deduct	-0.97	
		For Glass Removal And Preparing Opening For New Glazing, Add	10.44	
08 81 23 23-0067		<b>1/2" Air Space, Insulated, Field Installed Glass</b> (08 81 23 23-0052)		
		Note: Type I, Class I, Quality Q3.		
08 81 23 23-0068	SF	3/4" Thick, Insulated Field Installed Glass .....	19.90	
		Note: Two 1/8" lites with 1/2" air space.		
		For One Piece Heat Strengthened Glass, Add	1.94	
		For One Piece Fully Tempered Glass, Add	1.94	
		For Tinted Glass, Add	2.42	
		For Low-E Coated Glass, Add	2.42	
		For Argon Gas, Add	2.66	
		For One Piece Obscure Glass, Add	4.11	
		For Reflective Coated Glass, Add	4.36	
		For >50 To 200, Deduct	-0.29	
		For >200 To 400, Deduct	-0.58	
		For >400, Deduct	-0.87	
		For Glass Removal And Preparing Opening For New Glazing, Add	10.22	



<b>Openings</b>	<b>08</b>	<b>08</b>
Glazing	08 80	
Glass Glazing	08 81	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0069	SF		7/8" Thick, Insulated Field Installed Glass ..... Note: Two 3/16" lites with 1/2" air space. <i>For One Piece Heat Strengthened Glass, Add</i> <i>For One Piece Fully Tempered Glass, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Coated Glass, Add</i> <i>For Argon Gas, Add</i> <i>For One Piece Obscure Glass, Add</i> <i>For Reflective Coated Glass, Add</i> <i>For &gt;50 To 200, Deduct</i> <i>For &gt;200 To 400, Deduct</i> <i>For &gt;400, Deduct</i> <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	21.18 2.15 2.15 2.69 2.69 2.95 4.56 4.83 -0.32 -0.64 -0.97 10.44	
08 81 23 23-0070	SF		7/8" Thick, Insulated Field Installed Glass ..... Note: One 1/4" lite and one 1/8" lite with 1/2" air space. <i>For One Piece Heat Strengthened Glass, Add</i> <i>For One Piece Fully Tempered Glass, Add</i> <i>For Tinted Glass, Add</i> <i>For Low-E Coated Glass, Add</i> <i>For Argon Gas, Add</i> <i>For One Piece Obscure Glass, Add</i> <i>For Reflective Coated Glass, Add</i> <i>For &gt;50 To 200, Deduct</i> <i>For &gt;200 To 400, Deduct</i> <i>For &gt;400, Deduct</i> <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	21.18 2.15 2.15 2.69 2.69 2.95 4.56 4.83 -0.32 -0.64 -0.97 10.44	
08 81 23 23-0071	SF		1" Thick, Insulated Field Installed Glass ..... Note: Two 1/4" lites with 1/2" air space. <i>For One Piece Heat Strengthened Glass, Add</i> <i>For Tinted Glass, Add</i> <i>For One Piece Obscure Glass, Add</i> <i>For Argon Gas, Add</i> <i>For Low-E Coated Glass, Add</i> <i>For One Piece Fully Tempered Glass, Add</i> <i>For Reflective Coated Glass, Add</i> <i>For &gt;50 To 200, Deduct</i> <i>For &gt;200 To 400, Deduct</i> <i>For &gt;400, Deduct</i> <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	22.28 2.35 2.94 4.99 3.23 2.94 2.35 5.28 -0.35 -0.70 -1.06 10.54	
<b>08 81 23 23-0072</b>			<b>Laminated Insulated Glass, Field Installed Glass</b> (08 81 23 23-0051)		
08 81 23 23-0073	SF		1-5/16" Thick, Laminated Insulating Glass, Field Installed Glass ..... Note: Insulated glass units consisting of 1/4" thick inner pane, 1/2" air gap, and outer laminated pane of .060" PVB film between two layers 1/4" thick glass. <i>For Tinted Glass, Add</i> <i>For Argon Gas, Add</i> <i>For Low-E Coated Glass, Add</i> <i>For Reflective Coated Glass, Add</i> <i>For &gt;50 To 200, Deduct</i> <i>For &gt;200 To 400, Deduct</i> <i>For &gt;400, Deduct</i> <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	60.76 11.74 12.91 11.74 21.13 -1.41 -2.82 -4.23 13.80	
08 81 23 23-0074			<b>Spandrel Field Installed Glass</b> (08 81 23 23)		
08 81 23 23-0075			<b>Monolithic Float Glass Panels Ceramic Back, Coated, Field Installed Glass</b> (08 81 23 23-0074)		
08 81 23 23-0076	SF		1/4" - 5/16" Spandrel Glass, Up To 1,000 SF, Field Installed Glass ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	18.57 8.36	
08 81 23 23-0077	SF		1/4" - 5/16" Spandrel Glass, >1,000 SF, Field Installed Glass ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	16.38 8.36	
08 81 23 23-0078			<b>Insulating Float Glass Panels Ceramic Back, Coated, Tempered, Field Installed Glass</b> (08 81 23 23-0074)		
08 81 23 23-0079			<b>1/4" Glass With 1" Fiberglass Insulation, Field Installed Glass</b> (08 81 23 23-0078) Note: Also with aluminum foil vapor barrier.		
08 81 23 23-0080	SF		1/4" Spandrel Glass With 1" Fiberglass Insulation Up To 20,000 SF, Foil Vapor Barrier, Field Installed Glass..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	20.86 8.36	
08 81 23 23-0081	SF		1/4" Spandrel Glass With 1" Fiberglass Insulation >20,000 SF, Foil Vapor Barrier, Field Installed Glass ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	18.37 8.36	
08 81 23 23-0082			<b>1/4" Glass With 3/4 To 7/8" Insulation, Field Installed Glass</b> (08 81 23 23-0078)		
08 81 23 23-0083	SF		1/4" Spandrel Glass, 3/4" - 7/8" Insulation 24 Gauge Steel Interfacing, Field Installed Glass ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	25.17 8.36	
08 81 23 23-0084	SF		1/4" Spandrel Glass, 3/4" - 7/8" Insulation 16 Gauge Steel Interfacing, Field Installed Glass ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	20.29 8.36	

**08 83 Mirrors** (08 80)

Note: Kind FT, Type I, Class I, Quality Q1.



**08 Openings****08 80 Glazing****08 83 Mirrors**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**08 83 13 Mirrored Glass Glazing (08 83)**

08 83 13 00-0001	Mirror Glass (08 83 13)		
08 83 13 00-0002	One-Way Vision Glass (Transparent Mirrors) (08 83 13 00-0001)		
08 83 13 00-0003	SF 1/4" One-Way Vision Glass (Transparent Mirrors).....	35.95	3.76
	For >50 To 200, Deduct	-0.86	
	For >200 To 400, Deduct	-1.43	
	For >400, Deduct	-2.28	
08 83 13 00-0004	Tempered, One-Way Vision Glass (Transparent Mirrors) (08 83 13 00-0001)		
08 83 13 00-0005	SF 1/4" Tempered, One-Way Vision Glass (Transparent Mirrors).....	49.05	3.76
	For >50 To 200, Deduct	-1.25	
	For >200 To 400, Deduct	-2.08	
	For >400, Deduct	-3.33	
08 83 13 00-0006	Clear Mirror Glass (08 83 13 00-0001)		
08 83 13 00-0007	SF 1/8" Clear Mirror Glass.....	12.36	3.01
	For >50 To 200, Deduct	-0.19	
	For >200 To 400, Deduct	-0.32	
	For >400, Deduct	-0.51	
08 83 13 00-0008	SF 3/16" Clear Mirror Glass.....	14.59	3.51
	For >50 To 200, Deduct	-0.23	
	For >200 To 400, Deduct	-0.38	
	For >400, Deduct	-0.61	
08 83 13 00-0009	SF 1/4" Clear Mirror Glass.....	15.99	3.76
	For >50 To 200, Deduct	-0.26	
	For >200 To 400, Deduct	-0.43	
	For >400, Deduct	-0.68	
08 83 13 00-0010	Tempered, Clear Mirror Glass (08 83 13 00-0001)		
08 83 13 00-0011	SF 1/8" Tempered, Clear Mirror Glass .....	19.61	3.01
	For >50 To 200, Deduct	-0.41	
	For >200 To 400, Deduct	-0.68	
	For >400, Deduct	-1.09	
08 83 13 00-0012	SF 3/16" Tempered, Clear Mirror Glass .....	22.27	3.51
	For >50 To 200, Deduct	-0.46	
	For >200 To 400, Deduct	-0.77	
	For >400, Deduct	-1.23	
08 83 13 00-0013	SF 1/4" Tempered, Clear Mirror Glass .....	24.55	3.76
	For >50 To 200, Deduct	-0.51	
	For >200 To 400, Deduct	-0.86	
	For >400, Deduct	-1.37	
08 83 13 00-0014	Clear Mirror Glass With Laminated Safety Backing (08 83 13 00-0001)		
08 83 13 00-0015	SF 1/4" Clear Mirror Glass With Laminated Safety Backing.....	21.08	3.76
	For >50 To 200, Deduct	-0.41	
	For >200 To 400, Deduct	-0.68	
	For >400, Deduct	-1.09	
08 83 13 00-0016	Laminated Safety Mirror Glass (08 83 13 00-0001)		
	Note: Clear glass laminated to face of mirror with PVB interlayer.		
08 83 13 00-0017	SF 1/4" Laminated Safety Mirror Glass .....	42.35	3.76
	For >50 To 200, Deduct	-1.05	
	For >200 To 400, Deduct	-1.75	
	For >400, Deduct	-2.79	
08 83 13 00-0018	Accessories For Mirror Glass (08 83 13)		
08 83 13 00-0019	LF 1/8" Aluminum J-Channel For Mounting Mirror Glass.....	3.18	
08 83 13 00-0020	LF 3/16" Aluminum J-Channel For Mounting Mirror Glass.....	3.27	
08 83 13 00-0021	LF 1/4" Aluminum J-Channel For Mounting Mirror Glass.....	4.41	
08 83 13 00-0022	LF Aluminum Frame For Mounting Mirror Glass .....	6.02	

**08 84 Plastic Glazing (08 80)**

08 84 00 00-0001	Clear Polycarbonate Glazing (GE Lexan) (08 84)		
08 84 00 00-0002	SF 1/8" Thick, Clear Polycarbonate Glazing (GE Lexan) .....	10.63	
	For >50 To 200, Deduct	-0.30	
	For >200 To 400, Deduct	-0.59	
	For >400, Deduct	-0.89	
	For Glass Removal And Preparing Opening For New Glazing, Add	4.73	
08 84 00 00-0003	SF 3/16" Thick, Clear Polycarbonate Glazing (GE Lexan) .....	11.23	
	For >50 To 200, Deduct	-0.32	
	For >200 To 400, Deduct	-0.63	
	For >400, Deduct	-0.95	
	For Glass Removal And Preparing Opening For New Glazing, Add	4.92	



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Glazing</b>	<b>08 80</b>	
<b>Plastic Glazing</b>	<b>08 84</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 84 00 00-0004 SF 1/4" Thick, Clear Polycarbonate Glazing (GE Lexan) .....	13.68	
For >50 To 200, Deduct	-0.43	
For >200 To 400, Deduct	-0.86	
For >400, Deduct	-1.28	
For Glass Removal And Preparing Opening For New Glazing, Add	5.12	
08 84 00 00-0005 SF 3/8" Thick, Clear Polycarbonate Glazing (GE Lexan) .....	20.63	
For >50 To 200, Deduct	-0.77	
For >200 To 400, Deduct	-1.54	
For >400, Deduct	-2.31	
For Glass Removal And Preparing Opening For New Glazing, Add	5.26	
08 84 00 00-0006 SF 1/2" Thick, Clear Polycarbonate Glazing (GE Lexan) .....	26.53	
For >50 To 200, Deduct	-1.04	
For >200 To 400, Deduct	-2.09	
For >400, Deduct	-3.13	
For Glass Removal And Preparing Opening For New Glazing, Add	5.64	
<b>08 84 00 00-0007 Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) (08 84)</b>		
08 84 00 00-0008 SF 1/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) .....	16.85	
For >50 To 200, Deduct	-0.61	
For >200 To 400, Deduct	-1.21	
For >400, Deduct	-1.82	
For Glass Removal And Preparing Opening For New Glazing, Add	4.73	
08 84 00 00-0009 SF 3/16" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) .....	19.84	
For >50 To 200, Deduct	-0.75	
For >200 To 400, Deduct	-1.49	
For >400, Deduct	-2.24	
For Glass Removal And Preparing Opening For New Glazing, Add	4.92	
08 84 00 00-0010 SF 1/4" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) .....	20.99	
For >50 To 200, Deduct	-0.79	
For >200 To 400, Deduct	-1.59	
For >400, Deduct	-2.38	
For Glass Removal And Preparing Opening For New Glazing, Add	5.12	
08 84 00 00-0011 SF 3/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) .....	35.92	
For >50 To 200, Deduct	-1.53	
For >200 To 400, Deduct	-3.07	
For >400, Deduct	-4.60	
For Glass Removal And Preparing Opening For New Glazing, Add	5.26	
08 84 00 00-0012 SF 1/2" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) .....	38.14	
For >50 To 200, Deduct	-1.63	
For >200 To 400, Deduct	-3.25	
For >400, Deduct	-4.88	
For Glass Removal And Preparing Opening For New Glazing, Add	5.64	
<b>08 84 00 00-0013 Clear Acrylic Glazing (Plexiglas) (08 84)</b>		
08 84 00 00-0014 SF 1/10" Thick, Clear Acrylic Glazing (Plexiglas) .....	7.54	
For >50 To 200, Deduct	-0.15	
For >200 To 400, Deduct	-0.30	
For >400, Deduct	-0.45	
For Glass Removal And Preparing Opening For New Glazing, Add	4.52	
For Colored, Add	0.60	
For Shatterproof, Add	1.81	
For Mirrored, Add	2.42	
08 84 00 00-0015 SF 1/8" Thick, Clear Acrylic Glazing (Plexiglas) .....	7.78	
For >50 To 200, Deduct	-0.15	
For >200 To 400, Deduct	-0.31	
For >400, Deduct	-0.46	
For Glass Removal And Preparing Opening For New Glazing, Add	4.73	
For Colored, Add	0.61	
For Shatterproof, Add	1.83	
For Mirrored, Add	2.44	
08 84 00 00-0016 SF 3/16" Thick, Clear Acrylic Glazing (Plexiglas) .....	9.69	
For >50 To 200, Deduct	-0.24	
For >200 To 400, Deduct	-0.48	
For >400, Deduct	-0.72	
For Glass Removal And Preparing Opening For New Glazing, Add	4.92	
For Colored, Add	0.95	
For Shatterproof, Add	2.86	
For Mirrored, Add	3.82	
08 84 00 00-0017 SF 1/4" Thick, Clear Acrylic Glazing (Plexiglas) .....	11.40	
For >50 To 200, Deduct	-0.31	
For >200 To 400, Deduct	-0.63	
For >400, Deduct	-0.94	
For Glass Removal And Preparing Opening For New Glazing, Add	5.12	
For Colored, Add	1.26	
For Shatterproof, Add	3.77	
For Mirrored, Add	5.02	
08 84 00 00-0018 SF 5/16" Thick, Clear Acrylic Glazing (Plexiglas) .....	11.72	
For >50 To 200, Deduct	-0.33	
For >200 To 400, Deduct	-0.66	
For >400, Deduct	-0.99	
For Glass Removal And Preparing Opening For New Glazing, Add	5.14	
For Colored, Add	1.32	
For Shatterproof, Add	3.95	
For Mirrored, Add	5.26	

**08 Openings****08 80 Glazing****08 84 Plastic Glazing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 84 00 00-0019 SF 3/8" Thick, Clear Acrylic Glazing (Plexiglas) .....	12.14	
For >50 To 200, Deduct	-0.34	
For >200 To 400, Deduct	-0.69	
For >400, Deduct	-1.03	
For Glass Removal And Preparing Opening For New Glazing, Add	5.26	
For Colored, Add	1.38	
For Shatterproof, Add	4.13	
For Mirrored, Add	5.50	
08 84 00 00-0020 SF 1/2" Thick, Clear Acrylic Glazing (Plexiglas) .....	14.73	
For >50 To 200, Deduct	-0.45	
For >200 To 400, Deduct	-0.91	
For >400, Deduct	-1.36	
For Glass Removal And Preparing Opening For New Glazing, Add	5.64	
For Colored, Add	1.82	
For Shatterproof, Add	5.45	
For Mirrored, Add	7.27	
08 84 00 00-0021 SF 3/4" Thick, Clear Acrylic Glazing (Plexiglas) .....	21.31	
For >50 To 200, Deduct	-0.71	
For >200 To 400, Deduct	-1.42	
For >400, Deduct	-2.12	
For Glass Removal And Preparing Opening For New Glazing, Add	7.15	
08 84 00 00-0022 SF 1" Thick, Clear Acrylic Glazing (Plexiglas) .....	29.54	
For >50 To 200, Deduct	-1.09	
For >200 To 400, Deduct	-2.18	
For >400, Deduct	-3.27	
For Glass Removal And Preparing Opening For New Glazing, Add	7.76	
<b>08 84 00 00-0023 Clear Polycarbonate Glazing (PolyGal) (08 84)</b> .....	<b>6.96</b>	
08 84 00 00-0024 SF 6mm Thick, Clear Polycarbonate Multiwall Glazing (PolyGal) .....	6.96	
For >50 To 200, Deduct	-0.09	
For >200 To 400, Deduct	-0.18	
For >400, Deduct	-0.28	
For Colored, Add	0.37	
08 84 00 00-0025 SF 8mm Thick, Clear Polycarbonate Multiwall Glazing (PolyGal) .....	7.49	
For >50 To 200, Deduct	-0.12	
For >200 To 400, Deduct	-0.24	
For >400, Deduct	-0.35	
For Colored, Add	0.47	
08 84 00 00-0026 SF 10mm Thick, Clear Polycarbonate Multiwall Glazing (PolyGal) .....	7.98	
For >50 To 200, Deduct	-0.14	
For >200 To 400, Deduct	-0.27	
For >400, Deduct	-0.41	
For Colored, Add	0.54	
08 84 00 00-0027 SF 16mm Thick, Clear Polycarbonate Multiwall Glazing (PolyGal) .....	9.96	
For >50 To 200, Deduct	-0.22	
For >200 To 400, Deduct	-0.43	
For >400, Deduct	-0.65	
For Colored, Add	0.86	
08 84 00 00-0028 SF 8mm Thick, Polycarbonate Polycarbonate Glazing (PolyGal) .....	8.38	
For >50 To 200, Deduct	-0.16	
For >200 To 400, Deduct	-0.32	
For >400, Deduct	-0.49	
For Colored, Add	0.65	
08 84 00 00-0029 SF 8mm Thick, Polyshade Polycarbonate Glazing (PolyGal) .....	7.86	
For >50 To 200, Deduct	-0.14	
For >200 To 400, Deduct	-0.27	
For >400, Deduct	-0.41	
For Colored, Add	0.54	
08 84 00 00-0030 SF 16mm Thick, Polyshade Polycarbonate Glazing (PolyGal) .....	12.00	
For >50 To 200, Deduct	-0.32	
For >200 To 400, Deduct	-0.64	
For >400, Deduct	-0.95	
For Colored, Add	1.27	

**08 87 Glazing Surface Films (08 80)****08 87 13 Solar Control Films (08 87)**

Note: Applied directly to one side of glazing with adhesive.

**08 87 13 00-0001 Window Tinting And Film (08 87 13)**

Note: Applied directly to one side of glazing with adhesive. Includes cleaning of window glazing prior to installation.

08 87 13 00-0002 SF Bronze Window Tinting Film, 20% VLT .....	5.08
08 87 13 00-0003 SF Bronze Window Tinting Film, 50% VLT .....	5.08
08 87 13 00-0004 SF Tinted, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™) .....	8.15
08 87 13 00-0005 SF Low E, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™) .....	8.51

**08 87 23 Safety And Security Films (08 87)****08 87 23 16 Security Films (08 87 23)**

Note: Applied directly to one side of glazing with adhesive and secured at window frame with clear silicone adhesive.



<b>Openings</b>	<b>08</b>	<b>08</b>
<b>Glazing</b>	<b>08 80</b>	
<b>Glazing Surface Films</b>	<b>08 87</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>08 87 23 16-0001</b> High Performance, Security And Safety Glazing Films <small>(08 87 23 16)</small> Note: Includes cleaning of window glazing prior to installation.		
<b>08 87 23 16-0002</b> Clear, High Performance, Security And Safety Glazing Films <small>(08 87 23 16-0001)</small>		
08 87 23 16-0003 SF 0.002" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL150) .....	8.31	
For >1,000 To 5,000, Deduct	-0.37	
For >5,000, Deduct	-0.57	
08 87 23 16-0004 SF 0.004" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL400) .....	8.98	
For >1,000 To 5,000, Deduct	-0.40	
For >5,000, Deduct	-0.64	
08 87 23 16-0005 SF 0.006" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ Ultra600) .....	9.91	
For >1,000 To 5,000, Deduct	-0.43	
For >5,000, Deduct	-0.73	
<b>08 87 23 16-0006</b> Tinted, High Performance Sun/Solar, Security And Safety Glazing Films <small>(08 87 23 16-0001)</small>		
08 87 23 16-0007 SF 0.004" Silver, 20% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S20SIAR400) .....	9.72	
For >1,000 To 5,000, Deduct	-0.42	
For >5,000, Deduct	-0.71	
08 87 23 16-0008 SF 0.004" Neutral, 35% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S35NEAR400) .....	9.72	
For >1,000 To 5,000, Deduct	-0.42	
For >5,000, Deduct	-0.71	
08 87 23 16-0009 SF 0.004" Neutral, 50% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S50NEAR400) .....	9.72	
For >1,000 To 5,000, Deduct	-0.42	
For >5,000, Deduct	-0.71	
<b>08 87 23 16-0010</b> Security And Safety Glazing Films <small>(08 87 23 16)</small> Note: Includes cleaning of window glazing prior to installation.		
08 87 23 16-0011 SF 0.007" Clear Security And Safety Glazing Film (3M Scotchshield™ SH7CLARL) .....	7.58	
For >1,000 To 5,000, Deduct	-0.35	
For >5,000, Deduct	-0.50	
08 87 23 16-0012 SF 0.008" Clear Security And Safety Glazing Film (3M Scotchshield™ SH8CLARL) .....	7.75	
For >1,000 To 5,000, Deduct	-0.35	
For >5,000, Deduct	-0.51	
08 87 23 16-0013 SF 0.014" Clear Security And Safety Glazing Film (3M Scotchshield™ SH14CLARL) .....	9.43	
For >1,000 To 5,000, Deduct	-0.41	
For >5,000, Deduct	-0.68	
<b>08 87 23 16-0014</b> Anti-Graffiti Glazing Films <small>(08 87 23 16)</small> Note: Includes cleaning of window glazing prior to installation.		
08 87 23 16-0015 SF 0.004" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-4) .....	7.58	
For >1,000 To 5,000, Deduct	-0.35	
For >5,000, Deduct	-0.50	
08 87 23 16-0016 SF 0.007" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-7) .....	7.75	
For >1,000 To 5,000, Deduct	-0.35	
For >5,000, Deduct	-0.51	
<b>08 88 Special Function Glazing</b> <small>(08 80)</small>		
<b>08 88 49 Radiation-Resistant Glazing</b> <small>(08 88)</small>		
<b>08 88 49 00-0001</b> Leaded Glass (X-Ray Shielding) <small>(08 88 49)</small>		
08 88 49 00-0002 SF 1/4" Thick Lead Glass With 1/16" Lead Equivalence .....	203.20	
08 88 49 00-0003 SF 1/4" Thick Lead Glass With 1/8" Lead Equivalence .....	303.64	
<b>08 88 49 00-0004</b> Leaded Acrylic (X-Ray Shielding) <small>(08 88 49)</small>		
08 88 49 00-0005 SF 7mm Thick, 0.3mm LE, 2.3 LB/SF X-Ray Viewing Panels, Clear Lead Plastic .....	193.75	3.01
08 88 49 00-0006 SF 12mm Thick, 0.5mm LE, 3.9 LB/SF X-Ray Viewing Panels, Clear Lead Plastic .....	261.87	5.02
08 88 49 00-0007 SF 18mm Thick, 0.8mm LE, 5.9 LB/SF X-Ray Viewing Panels, Clear Lead Plastic .....	292.07	7.53
08 88 49 00-0008 SF 22mm Thick, 1mm LE, 7.2 LB/SF X-Ray Viewing Panels, Clear Lead Plastic .....	301.95	9.03
08 88 49 00-0009 SF 35mm Thick, 1.5mm LE, 11.5 LB/SF X-Ray Viewing Panels, Clear Lead Plastic .....	346.83	14.31
08 88 49 00-0010 SF 46mm Thick, 2mm LE, 15 LB/SF X-Ray Viewing Panels, Clear Lead Plastic .....	457.10	19.07
<b>08 88 53 Security Glazing</b> <small>(08 88)</small>		
<b>08 88 53 00-0001</b> Forced Entry And/Or Ballistic Resistant All Glass Laminate <small>(08 88 53)</small>		
<b>08 88 53 00-0002</b> Ballistic Resistant Glass <small>(08 88 53 00-0001)</small>		
08 88 53 00-0003 SF 1.28" All Glass Laminate Ballistic Resistant Glass, Level 1, 16.2 LB/SF, For A Single Piece, Up To 15 SF .....	73.45	12.55
For Glass Removal And Preparing Opening For New Glazing, Add	31.12	
08 88 53 00-0004 SF 1.28" All Glass Laminate Ballistic Resistant Glass, Level 1, 16.2 LB/SF, For A Single Piece, >15 SF .....	87.79	12.55
For Glass Removal And Preparing Opening For New Glazing, Add	31.12	
08 88 53 00-0005 SF 1.55" All Glass Laminate Ballistic Resistant Glass, Level 2, 21.2 LB/SF, For A Single Piece, Up To 15 SF .....	99.62	14.05
For Glass Removal And Preparing Opening For New Glazing, Add	35.14	

<b>08</b>	<b>Openings</b>
<b>08 80</b>	<b>Glazing</b>
<b>08 88</b>	<b>Special Function Glazing</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 88 53 00-0006 SF 1.55" All Glass Laminate Ballistic Resistant Glass, Level 2, 21.2 LB/SF, For A Single Piece, >15 SF ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	111.60 35.14	14.05
08 88 53 00-0007 SF 2.05" All Glass Laminate Ballistic Resistant Glass, Level 3, 26.1 LB/SF, For A Single Piece, Up To 15 SF ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	126.77 40.15	16.06
08 88 53 00-0008 SF 2.05" All Glass Laminate Ballistic Resistant Glass, Level 3, 26.1 LB/SF, For A Single Piece, >15 SF ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	136.40 40.15	16.06
<b>08 88 53 00-0009 Forced Entry Resistant Glass</b> (08 88 53 00-0001)		
08 88 53 00-0010 SF 5/16" Forced Entry Resistant Laminated Glass Sheet ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	22.94 7.84	3.76
08 88 53 00-0011 SF 1/2" Forced Entry Resistant Laminated Glass Sheet ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	26.01 8.36	4.02
08 88 53 00-0012 SF 11/16" Forced Entry Resistant Laminated Glass Sheet ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	29.64 8.96	4.27
08 88 53 00-0013 SF 7/8" Forced Entry Resistant Laminated Glass Sheet ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	33.43 9.65	4.77
<b>08 88 53 00-0014 Glass Clad Polycarbonate</b> (08 88 53)		
08 88 53 00-0015 SF 0.76" Ballistic Resistant Glass/Poly, Level 1, 6.4 LB/SF ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	109.55 38.15	15.06
08 88 53 00-0016 SF 0.8125" Ballistic Resistant Glass/Poly, Level 2, 8.99 LB/SF ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	122.06 44.17	17.67
08 88 53 00-0017 SF 1.18" Ballistic Resistant Glass/Poly, Level 3, 11.5 LB/SF ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	157.75 50.19	20.08
<b>08 88 53 00-0018 Ballistic Resistant Acrylic</b> (08 88 53)		
08 88 53 00-0019 SF 1.25" Ballistic Resistant Acrylic Glass, Level 1, 7.7 LB/SF ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	195.78 38.15	15.06
08 88 53 00-0020 SF 1.378" Ballistic Resistant Acrylic Glass, Level 2, 8.5 LB/SF ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	229.62 44.17	17.57
08 88 53 00-0021 SF 1.25" Ballistic Resistant Acrylic Glass, Level 3, 7.5 LB/SF ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	309.82 50.19	20.08
<b>08 88 53 00-0022 Ballistic Resistant Fiberglass</b> (08 88 53)		
08 88 53 00-0023 SF 5/16" Ballistic Resistant Fiberglass, Level 1, 3.2 LB/SF ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	45.40 19.07	9.54
08 88 53 00-0024 SF 3/8" Ballistic Resistant Fiberglass, Level 2, 3.5 LB/SF ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	53.86 22.09	11.04
08 88 53 00-0025 SF 7/16" Ballistic Resistant Fiberglass, Level 3, 4.5 LB/SF ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	61.08 25.10	12.55
<b>08 88 53 00-0026 Forced Entry And/Or Ballistic Resistant Polycarbonate</b> (08 88 53)		
<b>08 88 53 00-0027 Forced Entry Resistant Monolithic Polycarbonate</b> (08 88 53 00-0026) Note: GE-Lexan MR10.		
08 88 53 00-0028 SF 1/2" Overall Nominal Thickness, H.P. White TP-0500.01 ..... Note: Level 1 or ASTM F1233, Class II (Step 5). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	60.57 30.42	22.79
<b>08 88 53 00-0029 Forced Entry Resistant Glass Clad Polycarbonate Laminate</b> (08 88 53 00-0026) Note: Chemically strengthened clear glass laminated to each side of a polycarbonate core. GE-Insulgard.		
08 88 53 00-0030 SF 9/16" Overall Nominal Thickness, H.P. White TP-0500.01, Level 1 ..... <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	74.88 37.65	15.06
<b>08 88 53 00-0031 Forced Entry Resistant Polycarbonate Laminate</b> (08 88 53 00-0026) Note: GE-Lexgard MPC-500.		
08 88 53 00-0032 SF 1/2" Overall Nominal Thickness, H.P. White TP-0500.01 ..... Note: Level II (Step 12) Or ASTM 1233 Class III (Step 15). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	93.88 40.15	28.90
<b>08 88 53 00-0033 Fire Resistant, Forced Entry Resistant Polycarbonate Laminate</b> (08 88 53 00-0026) Note: Wire glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Firegard.		
08 88 53 00-0034 SF 7/8" Overall Nominal Thickness, H.P. White TP-0500.01, Level I ..... Note: UL-9 Fire Resistant. <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	103.30 42.66	17.83
<b>08 88 53 00-0035 Insulated, Forced Entry Resistant Polycarbonate Laminate</b> (08 88 53 00-0026) Note: Glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Insulgard.		
08 88 53 00-0036 SF 1-5/16" Overall Nominal Thickness, H.P. White TP-0500.01 ..... Note: Level I (1/4" tempered float glass, 1/2" airspace). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	88.18 37.65	15.06



<b>Openings</b>	<b>08</b>	<b>08</b>
Glazing	08 80	
Special Function Glazing	08 88	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>08 88 53 00-0037 Ballistic And Forced Entry Resistant Polycarbonate Laminate</b> <small>(08 88 53 00-0026)</small>		
08 88 53 00-0038 SF	1" Nominal Thickness, Ballistic Or Forced Entry Resistant.....	204.50
	Note: 1" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (step 42) or ASTM 1233 class V (Step 40) ballistic resistance: UL 752, level 2-high powered small arms (.357 Magnum handgun).	
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	83.31
08 88 53 00-0039 SF	1-1/4" Nominal Thickness, Ballistic Or Forced Entry Resistant.....	207.37
	Note: 1 1/4" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (Step 42) or ASTM 1233 class V (step 40) ballistic resistance: UL 752, level 3-super high powered small arms (.44 Magnum handgun).	
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	83.31
<b>08 88 53 00-0040 Ballistic Resistant Glass Clad Polycarbonate Laminate</b> <small>(08 88 53 00-0026)</small>		
	Note: Chemically strengthened clear glass laminated to attack side of a polycarbonate core.	
08 88 53 00-0041 SF	1-5/16" Overall Nominal Thickness, Ballistic Resistant.....	135.88
	Note: UL 752, Level 4 - Super High Powered Rifle (.30-06 Rifle), (GE-Armor-Gard).	
	<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	56.21

**08 90 Louvers And Vents** (08)

**08 91 Louvers** (08 90)

**08 91 13 Motorized Wall Louvers** (08 91)

<b>08 91 13 00-0001 Motorized Wall Louver Actuator</b> <small>(08 91 13)</small>		
	See CSI section 08 91 16 00-0001 for adjustable intake wall louvers.	
08 91 13 00-0002 EA	115 Volt Actuator For Adjustable Intake Louver.....	1,166.08
08 91 13 00-0003 EA	230 Volt Actuator For Adjustable Intake Louver.....	1,804.61
08 91 13 00-0004 EA	24 Volt Actuator For Adjustable Intake Louver.....	1,257.10
08 91 13 00-0005 EA	115 Volt Hazardous Location Actuator For Adjustable Intake Louver.....	5,005.09

**08 91 16 Operable Wall Louvers** (08 91)

<b>08 91 16 00-0001 Adjustable Intake Wall Louvers</b> <small>(08 91 16)</small>		
	See CSI section 08 91 16 00-0137 for adjustable intake wall louver operators.	
08 91 16 00-0002 EA	12" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	323.78
	Note: Includes bird screen. Excludes actuator.	
	<i>For Flange Frame, Add</i>	29.23
	<i>For Clear Lacquer Finish, Add</i>	58.45
	<i>For Baked Enamel Standard Colors, Add</i>	87.68
	<i>For Anodized Finish, Add</i>	116.90
	<i>For Kynar® Standard Colors Finish, Add</i>	160.74
08 91 16 00-0003 EA	12" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	404.73
	Note: Includes bird screen. Excludes actuator.	
	<i>For Flange Frame, Add</i>	36.62
	<i>For Clear Lacquer Finish, Add</i>	73.24
	<i>For Baked Enamel Standard Colors, Add</i>	109.86
	<i>For Anodized Finish, Add</i>	146.48
	<i>For Kynar® Standard Colors Finish, Add</i>	201.41
08 91 16 00-0004 EA	12" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	478.58
	Note: Includes bird screen. Excludes actuator.	
	<i>For Flange Frame, Add</i>	43.30
	<i>For Clear Lacquer Finish, Add</i>	86.61
	<i>For Baked Enamel Standard Colors, Add</i>	129.91
	<i>For Anodized Finish, Add</i>	173.22
	<i>For Kynar® Standard Colors Finish, Add</i>	238.17
08 91 16 00-0005 EA	12" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	560.24
	Note: Includes bird screen. Excludes actuator.	
	<i>For Flange Frame, Add</i>	50.77
	<i>For Clear Lacquer Finish, Add</i>	101.54
	<i>For Baked Enamel Standard Colors, Add</i>	152.31
	<i>For Anodized Finish, Add</i>	203.08
	<i>For Kynar® Standard Colors Finish, Add</i>	279.24
08 91 16 00-0006 EA	12" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	631.24
	Note: Includes bird screen. Excludes actuator.	
	<i>For Flange Frame, Add</i>	57.17
	<i>For Clear Lacquer Finish, Add</i>	114.34
	<i>For Baked Enamel Standard Colors, Add</i>	171.51
	<i>For Anodized Finish, Add</i>	228.68
	<i>For Kynar® Standard Colors Finish, Add</i>	314.43
08 91 16 00-0007 EA	12" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	745.61
	Note: Includes bird screen. Excludes actuator.	
	<i>For Flange Frame, Add</i>	67.91
	<i>For Clear Lacquer Finish, Add</i>	135.81
	<i>For Baked Enamel Standard Colors, Add</i>	203.72
	<i>For Anodized Finish, Add</i>	271.62
	<i>For Kynar® Standard Colors Finish, Add</i>	373.48

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers And Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0008	EA		12" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	850.04	36.78
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	77.65	
			For Clear Lacquer Finish, Add	155.30	
			For Baked Enamel Standard Colors, Add	232.94	
			For Anodized Finish, Add	310.59	
			For Kynar® Standard Colors Finish, Add	427.06	
08 91 16 00-0009	EA		12" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	943.73	42.03
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	85.97	
			For Clear Lacquer Finish, Add	171.93	
			For Baked Enamel Standard Colors, Add	257.90	
			For Anodized Finish, Add	343.87	
			For Kynar® Standard Colors Finish, Add	472.82	
08 91 16 00-0010	EA		12" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,006.91	45.54
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	91.59	
			For Clear Lacquer Finish, Add	183.17	
			For Baked Enamel Standard Colors, Add	274.76	
			For Anodized Finish, Add	366.34	
			For Kynar® Standard Colors Finish, Add	503.72	
08 91 16 00-0011	EA		12" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	1,086.44	49.03
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	98.84	
			For Clear Lacquer Finish, Add	197.67	
			For Baked Enamel Standard Colors, Add	296.51	
			For Anodized Finish, Add	395.35	
			For Kynar® Standard Colors Finish, Add	543.60	
08 91 16 00-0012	EA		12" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	1,156.02	52.54
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	105.10	
			For Clear Lacquer Finish, Add	210.19	
			For Baked Enamel Standard Colors, Add	315.29	
			For Anodized Finish, Add	420.38	
			For Kynar® Standard Colors Finish, Add	578.02	
08 91 16 00-0013	EA		12" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	1,245.51	56.04
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	113.34	
			For Clear Lacquer Finish, Add	226.69	
			For Baked Enamel Standard Colors, Add	340.03	
			For Anodized Finish, Add	453.37	
			For Kynar® Standard Colors Finish, Add	623.39	
08 91 16 00-0014	EA		12" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	1,331.44	59.55
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	121.24	
			For Clear Lacquer Finish, Add	242.47	
			For Baked Enamel Standard Colors, Add	363.71	
			For Anodized Finish, Add	484.94	
			For Kynar® Standard Colors Finish, Add	666.80	
08 91 16 00-0015	EA		12" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	1,437.94	64.80
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	130.84	
			For Clear Lacquer Finish, Add	261.67	
			For Baked Enamel Standard Colors, Add	392.51	
			For Anodized Finish, Add	523.34	
			For Kynar® Standard Colors Finish, Add	719.59	
08 91 16 00-0016	EA		12" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	1,516.00	70.05
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	137.59	
			For Clear Lacquer Finish, Add	275.18	
			For Baked Enamel Standard Colors, Add	412.77	
			For Anodized Finish, Add	550.36	
			For Kynar® Standard Colors Finish, Add	756.75	
08 91 16 00-0017	EA		18" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	362.77	19.26
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	32.42	
			For Clear Lacquer Finish, Add	64.85	
			For Baked Enamel Standard Colors, Add	97.27	
			For Anodized Finish, Add	129.70	
			For Kynar® Standard Colors Finish, Add	178.33	
08 91 16 00-0018	EA		18" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	457.89	24.52
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	40.89	
			For Clear Lacquer Finish, Add	81.77	
			For Baked Enamel Standard Colors, Add	122.66	
			For Anodized Finish, Add	163.54	
			For Kynar® Standard Colors Finish, Add	224.87	
08 91 16 00-0019	EA		18" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	537.43	28.02
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	48.14	
			For Clear Lacquer Finish, Add	96.28	
			For Baked Enamel Standard Colors, Add	144.42	
			For Anodized Finish, Add	192.56	
			For Kynar® Standard Colors Finish, Add	264.76	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 91	16 00-0020	EA	18" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	668.76	35.02
				<i>For Flange Frame, Add</i>	59.87	
				<i>For Clear Lacquer Finish, Add</i>	119.74	
				<i>For Baked Enamel Standard Colors, Add</i>	179.61	
				<i>For Anodized Finish, Add</i>	239.48	
				<i>For Kynar® Standard Colors Finish, Add</i>	329.29	
	08 91	16 00-0021	EA	18" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	761.09	38.53
				<i>For Flange Frame, Add</i>	68.40	
				<i>For Clear Lacquer Finish, Add</i>	136.81	
				<i>For Baked Enamel Standard Colors, Add</i>	205.21	
				<i>For Anodized Finish, Add</i>	273.62	
				<i>For Kynar® Standard Colors Finish, Add</i>	376.22	
	08 91	16 00-0022	EA	18" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	853.43	42.03
				<i>For Flange Frame, Add</i>	76.94	
				<i>For Clear Lacquer Finish, Add</i>	153.87	
				<i>For Baked Enamel Standard Colors, Add</i>	230.81	
				<i>For Anodized Finish, Add</i>	307.75	
				<i>For Kynar® Standard Colors Finish, Add</i>	423.15	
	08 91	16 00-0023	EA	18" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	964.24	45.54
				<i>For Flange Frame, Add</i>	87.32	
				<i>For Clear Lacquer Finish, Add</i>	174.64	
				<i>For Baked Enamel Standard Colors, Add</i>	261.95	
				<i>For Anodized Finish, Add</i>	349.27	
				<i>For Kynar® Standard Colors Finish, Add</i>	480.25	
	08 91	16 00-0024	EA	18" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,069.33	50.79
				<i>For Flange Frame, Add</i>	96.78	
				<i>For Clear Lacquer Finish, Add</i>	193.55	
				<i>For Baked Enamel Standard Colors, Add</i>	290.33	
				<i>For Anodized Finish, Add</i>	387.10	
				<i>For Kynar® Standard Colors Finish, Add</i>	532.26	
	08 91	16 00-0025	EA	18" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,153.07	56.04
				<i>For Flange Frame, Add</i>	104.10	
				<i>For Clear Lacquer Finish, Add</i>	208.20	
				<i>For Baked Enamel Standard Colors, Add</i>	312.30	
				<i>For Anodized Finish, Add</i>	416.40	
				<i>For Kynar® Standard Colors Finish, Add</i>	572.54	
	08 91	16 00-0026	EA	18" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,234.02	59.55
				<i>For Flange Frame, Add</i>	111.49	
				<i>For Clear Lacquer Finish, Add</i>	222.99	
				<i>For Baked Enamel Standard Colors, Add</i>	334.48	
				<i>For Anodized Finish, Add</i>	445.98	
				<i>For Kynar® Standard Colors Finish, Add</i>	613.22	
	08 91	16 00-0027	EA	18" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,310.00	63.04
				<i>For Flange Frame, Add</i>	118.39	
				<i>For Clear Lacquer Finish, Add</i>	236.78	
				<i>For Baked Enamel Standard Colors, Add</i>	355.17	
				<i>For Anodized Finish, Add</i>	473.56	
				<i>For Kynar® Standard Colors Finish, Add</i>	651.15	
	08 91	16 00-0028	EA	18" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,408.73	66.55
				<i>For Flange Frame, Add</i>	127.56	
				<i>For Clear Lacquer Finish, Add</i>	255.13	
				<i>For Baked Enamel Standard Colors, Add</i>	382.69	
				<i>For Anodized Finish, Add</i>	510.26	
				<i>For Kynar® Standard Colors Finish, Add</i>	701.60	
	08 91	16 00-0029	EA	18" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,503.91	70.05
				<i>For Flange Frame, Add</i>	136.38	
				<i>For Clear Lacquer Finish, Add</i>	272.76	
				<i>For Baked Enamel Standard Colors, Add</i>	409.14	
				<i>For Anodized Finish, Add</i>	545.52	
				<i>For Kynar® Standard Colors Finish, Add</i>	750.10	
	08 91	16 00-0030	EA	18" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,619.66	75.30
				<i>For Flange Frame, Add</i>	146.91	
				<i>For Clear Lacquer Finish, Add</i>	293.81	
				<i>For Baked Enamel Standard Colors, Add</i>	440.72	
				<i>For Anodized Finish, Add</i>	587.62	
				<i>For Kynar® Standard Colors Finish, Add</i>	807.98	
	08 91	16 00-0031	EA	18" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,706.95	80.56
				<i>For Flange Frame, Add</i>	154.58	
				<i>For Clear Lacquer Finish, Add</i>	309.17	
				<i>For Baked Enamel Standard Colors, Add</i>	463.75	
				<i>For Anodized Finish, Add</i>	618.34	
				<i>For Kynar® Standard Colors Finish, Add</i>	850.21	



<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers And Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0032	EA		24" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	405.34	22.77
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	35.98	
			<i>For Clear Lacquer Finish, Add</i>	71.96	
			<i>For Baked Enamel Standard Colors, Add</i>	107.94	
			<i>For Anodized Finish, Add</i>	143.92	
			<i>For Kynar® Standard Colors Finish, Add</i>	197.89	
08 91 16 00-0033	EA		24" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	514.67	28.02
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	45.86	
			<i>For Clear Lacquer Finish, Add</i>	91.73	
			<i>For Baked Enamel Standard Colors, Add</i>	137.59	
			<i>For Anodized Finish, Add</i>	183.45	
			<i>For Kynar® Standard Colors Finish, Add</i>	252.25	
08 91 16 00-0034	EA		24" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	638.24	33.27
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	57.17	
			<i>For Clear Lacquer Finish, Add</i>	114.34	
			<i>For Baked Enamel Standard Colors, Add</i>	171.51	
			<i>For Anodized Finish, Add</i>	228.68	
			<i>For Kynar® Standard Colors Finish, Add</i>	314.43	
08 91 16 00-0035	EA		24" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	752.51	40.28
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	67.20	
			<i>For Clear Lacquer Finish, Add</i>	134.39	
			<i>For Baked Enamel Standard Colors, Add</i>	201.59	
			<i>For Anodized Finish, Add</i>	268.78	
			<i>For Kynar® Standard Colors Finish, Add</i>	369.57	
08 91 16 00-0036	EA		24" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	854.09	43.78
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	76.65	
			<i>For Clear Lacquer Finish, Add</i>	153.30	
			<i>For Baked Enamel Standard Colors, Add</i>	229.96	
			<i>For Anodized Finish, Add</i>	306.61	
			<i>For Kynar® Standard Colors Finish, Add</i>	421.59	
08 91 16 00-0037	EA		24" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	961.35	47.28
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	86.68	
			<i>For Clear Lacquer Finish, Add</i>	173.36	
			<i>For Baked Enamel Standard Colors, Add</i>	260.03	
			<i>For Anodized Finish, Add</i>	346.71	
			<i>For Kynar® Standard Colors Finish, Add</i>	476.73	
08 91 16 00-0038	EA		24" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,093.44	52.54
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	98.84	
			<i>For Clear Lacquer Finish, Add</i>	197.67	
			<i>For Baked Enamel Standard Colors, Add</i>	296.51	
			<i>For Anodized Finish, Add</i>	395.35	
			<i>For Kynar® Standard Colors Finish, Add</i>	543.60	
08 91 16 00-0039	EA		24" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,204.16	59.55
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	108.51	
			<i>For Clear Lacquer Finish, Add</i>	217.02	
			<i>For Baked Enamel Standard Colors, Add</i>	325.52	
			<i>For Anodized Finish, Add</i>	434.03	
			<i>For Kynar® Standard Colors Finish, Add</i>	596.79	
08 91 16 00-0040	EA		24" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,290.81	63.04
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	116.47	
			<i>For Clear Lacquer Finish, Add</i>	232.94	
			<i>For Baked Enamel Standard Colors, Add</i>	349.42	
			<i>For Anodized Finish, Add</i>	465.89	
			<i>For Kynar® Standard Colors Finish, Add</i>	640.60	
08 91 16 00-0041	EA		24" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	1,384.46	70.05
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	124.44	
			<i>For Clear Lacquer Finish, Add</i>	248.87	
			<i>For Baked Enamel Standard Colors, Add</i>	373.31	
			<i>For Anodized Finish, Add</i>	497.74	
			<i>For Kynar® Standard Colors Finish, Add</i>	684.40	
08 91 16 00-0042	EA		24" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	1,472.52	73.56
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	132.54	
			<i>For Clear Lacquer Finish, Add</i>	265.08	
			<i>For Baked Enamel Standard Colors, Add</i>	397.63	
			<i>For Anodized Finish, Add</i>	530.17	
			<i>For Kynar® Standard Colors Finish, Add</i>	728.98	
08 91 16 00-0043	EA		24" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	1,592.58	77.05
			Note: Includes bird screen. Excludes actuator.		
			<i>For Flange Frame, Add</i>	143.85	
			<i>For Clear Lacquer Finish, Add</i>	287.69	
			<i>For Baked Enamel Standard Colors, Add</i>	431.54	
			<i>For Anodized Finish, Add</i>	575.39	
			<i>For Kynar® Standard Colors Finish, Add</i>	791.16	



<b>Openings</b>	<b>08</b>
<b>Louvers And Vents</b>	<b>08 90</b>
<b>Louvers</b>	<b>08 91</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0044	EA		24" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	1,694.16	80.56
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	153.31	
			For Clear Lacquer Finish, Add	306.61	
			For Baked Enamel Standard Colors, Add	459.92	
			For Anodized Finish, Add	613.22	
			For Kynar® Standard Colors Finish, Add	843.18	
08 91 16 00-0045	EA		24" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	1,821.99	85.81
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	165.04	
			For Clear Lacquer Finish, Add	330.07	
			For Baked Enamel Standard Colors, Add	495.11	
			For Anodized Finish, Add	660.15	
			For Kynar® Standard Colors Finish, Add	907.70	
08 91 16 00-0046	EA		24" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	1,915.69	91.06
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	173.36	
			For Clear Lacquer Finish, Add	346.71	
			For Baked Enamel Standard Colors, Add	520.07	
			For Anodized Finish, Add	693.42	
			For Kynar® Standard Colors Finish, Add	953.46	
08 91 16 00-0047	EA		30" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	451.44	26.27
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	39.89	
			For Clear Lacquer Finish, Add	79.78	
			For Baked Enamel Standard Colors, Add	119.67	
			For Anodized Finish, Add	159.56	
			For Kynar® Standard Colors Finish, Add	219.40	
08 91 16 00-0048	EA		30" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	601.21	35.02
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	53.12	
			For Clear Lacquer Finish, Add	106.23	
			For Baked Enamel Standard Colors, Add	159.35	
			For Anodized Finish, Add	212.46	
			For Kynar® Standard Colors Finish, Add	292.14	
08 91 16 00-0049	EA		30" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	714.11	40.28
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	63.36	
			For Clear Lacquer Finish, Add	126.71	
			For Baked Enamel Standard Colors, Add	190.07	
			For Anodized Finish, Add	253.42	
			For Kynar® Standard Colors Finish, Add	348.45	
08 91 16 00-0050	EA		30" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	837.67	45.54
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	74.66	
			For Clear Lacquer Finish, Add	149.32	
			For Baked Enamel Standard Colors, Add	223.98	
			For Anodized Finish, Add	298.64	
			For Kynar® Standard Colors Finish, Add	410.64	
08 91 16 00-0051	EA		30" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	948.50	49.03
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	85.04	
			For Clear Lacquer Finish, Add	170.09	
			For Baked Enamel Standard Colors, Add	255.13	
			For Anodized Finish, Add	340.17	
			For Kynar® Standard Colors Finish, Add	467.74	
08 91 16 00-0052	EA		30" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,062.82	54.28
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	95.42	
			For Clear Lacquer Finish, Add	190.85	
			For Baked Enamel Standard Colors, Add	286.27	
			For Anodized Finish, Add	381.70	
			For Kynar® Standard Colors Finish, Add	524.83	
08 91 16 00-0053	EA		30" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,200.66	57.79
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	108.51	
			For Clear Lacquer Finish, Add	217.02	
			For Baked Enamel Standard Colors, Add	325.52	
			For Anodized Finish, Add	434.03	
			For Kynar® Standard Colors Finish, Add	596.79	
08 91 16 00-0054	EA		30" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,317.83	63.04
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	119.17	
			For Clear Lacquer Finish, Add	238.35	
			For Baked Enamel Standard Colors, Add	357.52	
			For Anodized Finish, Add	476.70	
			For Kynar® Standard Colors Finish, Add	655.46	
08 91 16 00-0055	EA		30" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,414.42	66.55
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	128.13	
			For Clear Lacquer Finish, Add	256.27	
			For Baked Enamel Standard Colors, Add	384.40	
			For Anodized Finish, Add	512.53	
			For Kynar® Standard Colors Finish, Add	704.73	

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers And Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0056	EA		30" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	1,519.45	73.56
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	137.24	
			For Clear Lacquer Finish, Add	274.47	
			For Baked Enamel Standard Colors, Add	411.71	
			For Anodized Finish, Add	548.94	
			For Kynar® Standard Colors Finish, Add	754.79	
08 91 16 00-0057	EA		30" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	1,620.26	78.81
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	146.27	
			For Clear Lacquer Finish, Add	292.53	
			For Baked Enamel Standard Colors, Add	438.80	
			For Anodized Finish, Add	585.06	
			For Kynar® Standard Colors Finish, Add	804.46	
08 91 16 00-0058	EA		30" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	1,748.15	82.30
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	158.35	
			For Clear Lacquer Finish, Add	316.71	
			For Baked Enamel Standard Colors, Add	475.06	
			For Anodized Finish, Add	633.41	
			For Kynar® Standard Colors Finish, Add	870.94	
08 91 16 00-0059	EA		30" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	1,858.97	85.81
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	168.74	
			For Clear Lacquer Finish, Add	337.47	
			For Baked Enamel Standard Colors, Add	506.21	
			For Anodized Finish, Add	674.94	
			For Kynar® Standard Colors Finish, Add	928.04	
08 91 16 00-0060	EA		30" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	1,993.20	91.06
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	181.11	
			For Clear Lacquer Finish, Add	362.21	
			For Baked Enamel Standard Colors, Add	543.32	
			For Anodized Finish, Add	724.43	
			For Kynar® Standard Colors Finish, Add	996.09	
08 91 16 00-0061	EA		30" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	2,099.70	96.31
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	190.71	
			For Clear Lacquer Finish, Add	381.41	
			For Baked Enamel Standard Colors, Add	572.12	
			For Anodized Finish, Add	762.82	
			For Kynar® Standard Colors Finish, Add	1,048.88	
08 91 16 00-0062	EA		36" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	494.01	29.77
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	43.45	
			For Clear Lacquer Finish, Add	86.89	
			For Baked Enamel Standard Colors, Add	130.34	
			For Anodized Finish, Add	173.78	
			For Kynar® Standard Colors Finish, Add	238.95	
08 91 16 00-0063	EA		36" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	669.36	38.53
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	59.23	
			For Clear Lacquer Finish, Add	118.46	
			For Baked Enamel Standard Colors, Add	177.69	
			For Anodized Finish, Add	236.92	
			For Kynar® Standard Colors Finish, Add	325.77	
08 91 16 00-0064	EA		36" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	782.99	43.78
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	69.54	
			For Clear Lacquer Finish, Add	139.08	
			For Baked Enamel Standard Colors, Add	208.63	
			For Anodized Finish, Add	278.17	
			For Kynar® Standard Colors Finish, Add	382.48	
08 91 16 00-0065	EA		36" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	918.63	49.03
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	82.06	
			For Clear Lacquer Finish, Add	164.11	
			For Baked Enamel Standard Colors, Add	246.17	
			For Anodized Finish, Add	328.22	
			For Kynar® Standard Colors Finish, Add	451.31	
08 91 16 00-0066	EA		36" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,044.36	53.24
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	93.79	
			For Clear Lacquer Finish, Add	187.58	
			For Baked Enamel Standard Colors, Add	281.37	
			For Anodized Finish, Add	375.16	
			For Kynar® Standard Colors Finish, Add	515.84	
08 91 16 00-0067	EA		36" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,162.26	57.79
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	104.67	
			For Clear Lacquer Finish, Add	209.34	
			For Baked Enamel Standard Colors, Add	314.00	
			For Anodized Finish, Add	418.67	
			For Kynar® Standard Colors Finish, Add	575.67	



<b>Openings</b>	<b>08</b>
<b>Louvers And Vents</b>	<b>08 90</b>
<b>Louvers</b>	<b>08 91</b>

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0068	EA		36" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,316.46	61.29
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	119.39	
			For Clear Lacquer Finish, Add	238.77	
			For Baked Enamel Standard Colors, Add	358.16	
			For Anodized Finish, Add	477.55	
			For Kynar® Standard Colors Finish, Add	656.63	
08 91 16 00-0069	EA		36" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,448.55	66.55
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	131.55	
			For Clear Lacquer Finish, Add	263.09	
			For Baked Enamel Standard Colors, Add	394.64	
			For Anodized Finish, Add	526.18	
			For Kynar® Standard Colors Finish, Add	723.50	
08 91 16 00-0070	EA		36" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,555.77	71.80
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	141.22	
			For Clear Lacquer Finish, Add	282.43	
			For Baked Enamel Standard Colors, Add	423.65	
			For Anodized Finish, Add	564.87	
			For Kynar® Standard Colors Finish, Add	776.69	
08 91 16 00-0071	EA		36" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	1,665.82	77.05
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	151.17	
			For Clear Lacquer Finish, Add	302.34	
			For Baked Enamel Standard Colors, Add	453.51	
			For Anodized Finish, Add	604.68	
			For Kynar® Standard Colors Finish, Add	831.44	
08 91 16 00-0072	EA		36" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	1,779.44	82.30
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	161.48	
			For Clear Lacquer Finish, Add	322.96	
			For Baked Enamel Standard Colors, Add	484.45	
			For Anodized Finish, Add	645.93	
			For Kynar® Standard Colors Finish, Add	888.15	
08 91 16 00-0073	EA		36" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	1,919.41	85.81
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	174.78	
			For Clear Lacquer Finish, Add	349.56	
			For Baked Enamel Standard Colors, Add	524.34	
			For Anodized Finish, Add	699.12	
			For Kynar® Standard Colors Finish, Add	961.28	
08 91 16 00-0074	EA		36" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	2,038.76	89.31
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	186.01	
			For Clear Lacquer Finish, Add	372.03	
			For Baked Enamel Standard Colors, Add	558.04	
			For Anodized Finish, Add	744.05	
			For Kynar® Standard Colors Finish, Add	1,023.07	
08 91 16 00-0075	EA		36" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	2,190.76	94.57
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	200.16	
			For Clear Lacquer Finish, Add	400.33	
			For Baked Enamel Standard Colors, Add	600.49	
			For Anodized Finish, Add	800.65	
			For Kynar® Standard Colors Finish, Add	1,100.90	
08 91 16 00-0076	EA		36" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	2,303.67	99.82
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	210.40	
			For Clear Lacquer Finish, Add	420.81	
			For Baked Enamel Standard Colors, Add	631.21	
			For Anodized Finish, Add	841.61	
			For Kynar® Standard Colors Finish, Add	1,157.22	
08 91 16 00-0077	EA		42" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	565.71	33.27
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	49.92	
			For Clear Lacquer Finish, Add	99.83	
			For Baked Enamel Standard Colors, Add	149.75	
			For Anodized Finish, Add	199.66	
			For Kynar® Standard Colors Finish, Add	274.54	
08 91 16 00-0078	EA		42" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	721.88	42.03
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	63.78	
			For Clear Lacquer Finish, Add	127.56	
			For Baked Enamel Standard Colors, Add	191.35	
			For Anodized Finish, Add	255.13	
			For Kynar® Standard Colors Finish, Add	350.80	
08 91 16 00-0079	EA		42" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	848.29	47.28
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	75.37	
			For Clear Lacquer Finish, Add	150.74	
			For Baked Enamel Standard Colors, Add	226.12	
			For Anodized Finish, Add	301.49	
			For Kynar® Standard Colors Finish, Add	414.55	

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers And Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0080 EA 42" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	992.43	54.28
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	88.39	
For Clear Lacquer Finish, Add	176.77	
For Baked Enamel Standard Colors, Add	265.16	
For Anodized Finish, Add	353.54	
For Kynar® Standard Colors Finish, Add	486.12	
08 91 16 00-0081 EA 42" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,126.71	57.79
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	101.11	
For Clear Lacquer Finish, Add	202.23	
For Baked Enamel Standard Colors, Add	303.34	
For Anodized Finish, Add	404.45	
For Kynar® Standard Colors Finish, Add	556.12	
08 91 16 00-0082 EA 42" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,253.89	61.29
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	113.13	
For Clear Lacquer Finish, Add	226.26	
For Baked Enamel Standard Colors, Add	339.39	
For Anodized Finish, Add	452.52	
For Kynar® Standard Colors Finish, Add	622.22	
08 91 16 00-0083 EA 42" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,421.59	64.80
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	129.20	
For Clear Lacquer Finish, Add	258.40	
For Baked Enamel Standard Colors, Add	387.60	
For Anodized Finish, Add	516.80	
For Kynar® Standard Colors Finish, Add	710.60	
08 91 16 00-0084 EA 42" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,555.82	70.05
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	141.57	
For Clear Lacquer Finish, Add	283.14	
For Baked Enamel Standard Colors, Add	424.72	
For Anodized Finish, Add	566.29	
For Kynar® Standard Colors Finish, Add	778.65	
08 91 16 00-0085 EA 42" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,676.54	75.30
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	152.59	
For Clear Lacquer Finish, Add	305.19	
For Baked Enamel Standard Colors, Add	457.78	
For Anodized Finish, Add	610.37	
For Kynar® Standard Colors Finish, Add	839.26	
08 91 16 00-0086 EA 42" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	1,789.44	80.56
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	162.83	
For Clear Lacquer Finish, Add	325.67	
For Baked Enamel Standard Colors, Add	488.50	
For Anodized Finish, Add	651.33	
For Kynar® Standard Colors Finish, Add	895.58	
08 91 16 00-0087 EA 42" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	1,913.01	85.81
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	174.14	
For Clear Lacquer Finish, Add	348.28	
For Baked Enamel Standard Colors, Add	522.42	
For Anodized Finish, Add	696.56	
For Kynar® Standard Colors Finish, Add	957.76	
08 91 16 00-0088 EA 42" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	2,063.65	89.31
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	188.50	
For Clear Lacquer Finish, Add	377.00	
For Baked Enamel Standard Colors, Add	565.51	
For Anodized Finish, Add	754.01	
For Kynar® Standard Colors Finish, Add	1,036.76	
08 91 16 00-0089 EA 42" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	2,194.37	92.82
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	200.87	
For Clear Lacquer Finish, Add	401.75	
For Baked Enamel Standard Colors, Add	602.62	
For Anodized Finish, Add	803.50	
For Kynar® Standard Colors Finish, Add	1,104.81	
08 91 16 00-0090 EA 42" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	2,364.87	98.07
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	216.87	
For Clear Lacquer Finish, Add	433.75	
For Baked Enamel Standard Colors, Add	650.62	
For Anodized Finish, Add	867.49	
For Kynar® Standard Colors Finish, Add	1,192.80	
08 91 16 00-0091 EA 42" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	2,482.75	103.32
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	227.61	
For Clear Lacquer Finish, Add	455.22	
For Baked Enamel Standard Colors, Add	682.83	
For Anodized Finish, Add	910.44	
For Kynar® Standard Colors Finish, Add	1,251.86	



<b>Openings</b>	<b>08</b>
<b>Louvers And Vents</b>	<b>08 90</b>
<b>Louvers</b>	<b>08 91</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0092	EA		48" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	611.83	36.78
			<i>For Flange Frame, Add</i>	53.83	
			<i>For Clear Lacquer Finish, Add</i>	107.65	
			<i>For Baked Enamel Standard Colors, Add</i>	161.48	
			<i>For Anodized Finish, Add</i>	215.31	
			<i>For Kynar® Standard Colors Finish, Add</i>	296.05	
08 91 16 00-0093	EA		48" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	777.94	45.54
			<i>For Flange Frame, Add</i>	68.69	
			<i>For Clear Lacquer Finish, Add</i>	137.38	
			<i>For Baked Enamel Standard Colors, Add</i>	206.06	
			<i>For Anodized Finish, Add</i>	274.75	
			<i>For Kynar® Standard Colors Finish, Add</i>	377.78	
08 91 16 00-0094	EA		48" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	921.37	52.54
			<i>For Flange Frame, Add</i>	81.63	
			<i>For Clear Lacquer Finish, Add</i>	163.26	
			<i>For Baked Enamel Standard Colors, Add</i>	244.89	
			<i>For Anodized Finish, Add</i>	326.52	
			<i>For Kynar® Standard Colors Finish, Add</i>	448.97	
08 91 16 00-0095	EA		48" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,069.82	57.79
			<i>For Flange Frame, Add</i>	95.42	
			<i>For Clear Lacquer Finish, Add</i>	190.85	
			<i>For Baked Enamel Standard Colors, Add</i>	286.27	
			<i>For Anodized Finish, Add</i>	381.70	
			<i>For Kynar® Standard Colors Finish, Add</i>	524.83	
08 91 16 00-0096	EA		48" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,218.33	61.29
			<i>For Flange Frame, Add</i>	109.57	
			<i>For Clear Lacquer Finish, Add</i>	219.15	
			<i>For Baked Enamel Standard Colors, Add</i>	328.72	
			<i>For Anodized Finish, Add</i>	438.30	
			<i>For Kynar® Standard Colors Finish, Add</i>	602.66	
08 91 16 00-0097	EA		48" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,361.86	64.80
			<i>For Flange Frame, Add</i>	123.23	
			<i>For Clear Lacquer Finish, Add</i>	246.45	
			<i>For Baked Enamel Standard Colors, Add</i>	369.68	
			<i>For Anodized Finish, Add</i>	492.91	
			<i>For Kynar® Standard Colors Finish, Add</i>	677.75	
08 91 16 00-0098	EA		48" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,540.18	70.05
			<i>For Flange Frame, Add</i>	140.01	
			<i>For Clear Lacquer Finish, Add</i>	280.02	
			<i>For Baked Enamel Standard Colors, Add</i>	420.02	
			<i>For Anodized Finish, Add</i>	560.03	
			<i>For Kynar® Standard Colors Finish, Add</i>	770.04	
08 91 16 00-0099	EA		48" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,687.21	75.30
			<i>For Flange Frame, Add</i>	153.66	
			<i>For Clear Lacquer Finish, Add</i>	307.32	
			<i>For Baked Enamel Standard Colors, Add</i>	460.98	
			<i>For Anodized Finish, Add</i>	614.64	
			<i>For Kynar® Standard Colors Finish, Add</i>	845.13	
08 91 16 00-0100	EA		48" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,814.32	80.56
			<i>For Flange Frame, Add</i>	165.32	
			<i>For Clear Lacquer Finish, Add</i>	330.64	
			<i>For Baked Enamel Standard Colors, Add</i>	495.96	
			<i>For Anodized Finish, Add</i>	661.28	
			<i>For Kynar® Standard Colors Finish, Add</i>	909.27	
08 91 16 00-0101	EA		48" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,943.58	85.81
			<i>For Flange Frame, Add</i>	177.20	
			<i>For Clear Lacquer Finish, Add</i>	354.39	
			<i>For Baked Enamel Standard Colors, Add</i>	531.59	
			<i>For Anodized Finish, Add</i>	708.78	
			<i>For Kynar® Standard Colors Finish, Add</i>	974.58	
08 91 16 00-0102	EA		48" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,069.99	91.06
			<i>For Flange Frame, Add</i>	188.79	
			<i>For Clear Lacquer Finish, Add</i>	377.57	
			<i>For Baked Enamel Standard Colors, Add</i>	566.36	
			<i>For Anodized Finish, Add</i>	755.14	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,038.32	
08 91 16 00-0103	EA		48" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	2,240.54	94.57
			<i>For Flange Frame, Add</i>	205.14	
			<i>For Clear Lacquer Finish, Add</i>	410.28	
			<i>For Baked Enamel Standard Colors, Add</i>	615.42	
			<i>For Anodized Finish, Add</i>	820.56	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,128.28	

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers And Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	16 00-0104	EA	48" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,381.94	98.07
			<i>For Flange Frame, Add</i>	218.58	
			<i>For Clear Lacquer Finish, Add</i>	437.16	
			<i>For Baked Enamel Standard Colors, Add</i>	655.74	
			<i>For Anodized Finish, Add</i>	874.32	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,202.19	
08 91	16 00-0105	EA	48" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,556.75	101.58
			<i>For Flange Frame, Add</i>	235.36	
			<i>For Clear Lacquer Finish, Add</i>	470.72	
			<i>For Baked Enamel Standard Colors, Add</i>	706.08	
			<i>For Anodized Finish, Add</i>	941.44	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,294.49	
08 91	16 00-0106	EA	48" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,686.72	106.83
			<i>For Flange Frame, Add</i>	247.31	
			<i>For Clear Lacquer Finish, Add</i>	494.61	
			<i>For Baked Enamel Standard Colors, Add</i>	741.92	
			<i>For Anodized Finish, Add</i>	989.23	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,360.19	
08 91	16 00-0107	EA	54" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	710.50	42.03
			<i>For Flange Frame, Add</i>	62.64	
			<i>For Clear Lacquer Finish, Add</i>	125.29	
			<i>For Baked Enamel Standard Colors, Add</i>	187.93	
			<i>For Anodized Finish, Add</i>	250.58	
			<i>For Kynar® Standard Colors Finish, Add</i>	344.54	
08 91	16 00-0108	EA	54" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	912.19	50.79
			<i>For Flange Frame, Add</i>	81.06	
			<i>For Clear Lacquer Finish, Add</i>	162.12	
			<i>For Baked Enamel Standard Colors, Add</i>	243.18	
			<i>For Anodized Finish, Add</i>	324.24	
			<i>For Kynar® Standard Colors Finish, Add</i>	445.84	
08 91	16 00-0109	EA	54" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,069.06	59.55
			<i>For Flange Frame, Add</i>	95.00	
			<i>For Clear Lacquer Finish, Add</i>	190.00	
			<i>For Baked Enamel Standard Colors, Add</i>	284.99	
			<i>For Anodized Finish, Add</i>	379.99	
			<i>For Kynar® Standard Colors Finish, Add</i>	522.49	
08 91	16 00-0110	EA	54" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,230.37	63.04
			<i>For Flange Frame, Add</i>	110.43	
			<i>For Clear Lacquer Finish, Add</i>	220.86	
			<i>For Baked Enamel Standard Colors, Add</i>	331.28	
			<i>For Anodized Finish, Add</i>	441.71	
			<i>For Kynar® Standard Colors Finish, Add</i>	607.35	
08 91	16 00-0111	EA	54" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,405.89	66.55
			<i>For Flange Frame, Add</i>	127.28	
			<i>For Clear Lacquer Finish, Add</i>	254.56	
			<i>For Baked Enamel Standard Colors, Add</i>	381.84	
			<i>For Anodized Finish, Add</i>	509.12	
			<i>For Kynar® Standard Colors Finish, Add</i>	700.04	
08 91	16 00-0112	EA	54" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,562.93	70.05
			<i>For Flange Frame, Add</i>	142.28	
			<i>For Clear Lacquer Finish, Add</i>	284.57	
			<i>For Baked Enamel Standard Colors, Add</i>	426.85	
			<i>For Anodized Finish, Add</i>	569.13	
			<i>For Kynar® Standard Colors Finish, Add</i>	782.56	
08 91	16 00-0113	EA	54" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,770.40	75.30
			<i>For Flange Frame, Add</i>	161.98	
			<i>For Clear Lacquer Finish, Add</i>	323.96	
			<i>For Baked Enamel Standard Colors, Add</i>	485.94	
			<i>For Anodized Finish, Add</i>	647.92	
			<i>For Kynar® Standard Colors Finish, Add</i>	890.88	
08 91	16 00-0114	EA	54" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,972.18	80.56
			<i>For Flange Frame, Add</i>	181.11	
			<i>For Clear Lacquer Finish, Add</i>	362.21	
			<i>For Baked Enamel Standard Colors, Add</i>	543.32	
			<i>For Anodized Finish, Add</i>	724.43	
			<i>For Kynar® Standard Colors Finish, Add</i>	996.09	
08 91	16 00-0115	EA	54" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,122.77	85.81
			<i>For Flange Frame, Add</i>	195.12	
			<i>For Clear Lacquer Finish, Add</i>	390.23	
			<i>For Baked Enamel Standard Colors, Add</i>	585.35	
			<i>For Anodized Finish, Add</i>	780.46	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,073.13	



<b>Openings</b>	<b>08</b>
<b>Louvers And Vents</b>	<b>08 90</b>
<b>Louvers</b>	<b>08 91</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0116	EA		54" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	2,271.22	91.06
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	208.91	
			For Clear Lacquer Finish, Add	417.82	
			For Baked Enamel Standard Colors, Add	626.73	
			For Anodized Finish, Add	835.64	
			For Kynar® Standard Colors Finish, Add	1,149.00	
08 91 16 00-0117	EA		54" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	2,414.75	94.57
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	222.56	
			For Clear Lacquer Finish, Add	445.12	
			For Baked Enamel Standard Colors, Add	667.69	
			For Anodized Finish, Add	890.25	
			For Kynar® Standard Colors Finish, Add	1,224.09	
08 91 16 00-0118	EA		54" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	2,605.21	98.07
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	240.91	
			For Clear Lacquer Finish, Add	481.81	
			For Baked Enamel Standard Colors, Add	722.72	
			For Anodized Finish, Add	963.63	
			For Kynar® Standard Colors Finish, Add	1,324.99	
08 91 16 00-0119	EA		54" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	2,763.67	101.58
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	256.05	
			For Clear Lacquer Finish, Add	512.11	
			For Baked Enamel Standard Colors, Add	768.16	
			For Anodized Finish, Add	1,024.21	
			For Kynar® Standard Colors Finish, Add	1,408.29	
08 91 16 00-0120	EA		54" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	2,968.35	105.07
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	275.82	
			For Clear Lacquer Finish, Add	551.64	
			For Baked Enamel Standard Colors, Add	827.46	
			For Anodized Finish, Add	1,103.28	
			For Kynar® Standard Colors Finish, Add	1,517.01	
08 91 16 00-0121	EA		54" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	3,120.36	110.32
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	289.97	
			For Clear Lacquer Finish, Add	579.94	
			For Baked Enamel Standard Colors, Add	869.91	
			For Anodized Finish, Add	1,159.88	
			For Kynar® Standard Colors Finish, Add	1,594.84	
08 91 16 00-0122	EA		60" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	753.77	45.54
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	66.27	
			For Clear Lacquer Finish, Add	132.54	
			For Baked Enamel Standard Colors, Add	198.81	
			For Anodized Finish, Add	265.08	
			For Kynar® Standard Colors Finish, Add	364.49	
08 91 16 00-0123	EA		60" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	971.75	56.04
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	85.97	
			For Clear Lacquer Finish, Add	171.93	
			For Baked Enamel Standard Colors, Add	257.90	
			For Anodized Finish, Add	343.87	
			For Kynar® Standard Colors Finish, Add	472.82	
08 91 16 00-0124	EA		60" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,132.95	63.04
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	100.69	
			For Clear Lacquer Finish, Add	201.37	
			For Baked Enamel Standard Colors, Add	302.06	
			For Anodized Finish, Add	402.74	
			For Kynar® Standard Colors Finish, Add	553.77	
08 91 16 00-0125	EA		60" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,310.61	66.55
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	117.75	
			For Clear Lacquer Finish, Add	235.50	
			For Baked Enamel Standard Colors, Add	353.26	
			For Anodized Finish, Add	471.01	
			For Kynar® Standard Colors Finish, Add	647.64	
08 91 16 00-0126	EA		60" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,496.04	71.80
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	135.24	
			For Clear Lacquer Finish, Add	270.49	
			For Baked Enamel Standard Colors, Add	405.73	
			For Anodized Finish, Add	540.98	
			For Kynar® Standard Colors Finish, Add	743.84	
08 91 16 00-0127	EA		60" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,662.32	75.30
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	151.17	
			For Clear Lacquer Finish, Add	302.34	
			For Baked Enamel Standard Colors, Add	453.51	
			For Anodized Finish, Add	604.68	
			For Kynar® Standard Colors Finish, Add	831.44	



<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers And Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0128	EA		60" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,884.72	80.56
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	172.36	
			For Clear Lacquer Finish, Add	344.72	
			For Baked Enamel Standard Colors, Add	517.08	
			For Anodized Finish, Add	689.44	
			For Kynar® Standard Colors Finish, Add	947.99	
08 91 16 00-0129	EA		60" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	2,092.19	85.81
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	192.06	
			For Clear Lacquer Finish, Add	384.11	
			For Baked Enamel Standard Colors, Add	576.17	
			For Anodized Finish, Add	768.23	
			For Kynar® Standard Colors Finish, Add	1,056.31	
08 91 16 00-0130	EA		60" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	2,253.45	91.06
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	207.13	
			For Clear Lacquer Finish, Add	414.26	
			For Baked Enamel Standard Colors, Add	621.40	
			For Anodized Finish, Add	828.53	
			For Kynar® Standard Colors Finish, Add	1,139.23	
08 91 16 00-0131	EA		60" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	2,411.86	96.31
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	221.92	
			For Clear Lacquer Finish, Add	443.84	
			For Baked Enamel Standard Colors, Add	665.77	
			For Anodized Finish, Add	887.69	
			For Kynar® Standard Colors Finish, Add	1,220.57	
08 91 16 00-0132	EA		60" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	2,564.63	99.82
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	236.50	
			For Clear Lacquer Finish, Add	473.00	
			For Baked Enamel Standard Colors, Add	709.50	
			For Anodized Finish, Add	946.00	
			For Kynar® Standard Colors Finish, Add	1,300.74	
08 91 16 00-0133	EA		60" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	2,771.44	103.32
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	256.48	
			For Clear Lacquer Finish, Add	512.96	
			For Baked Enamel Standard Colors, Add	769.44	
			For Anodized Finish, Add	1,025.92	
			For Kynar® Standard Colors Finish, Add	1,410.63	
08 91 16 00-0134	EA		60" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	2,937.72	106.83
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	272.41	
			For Clear Lacquer Finish, Add	544.81	
			For Baked Enamel Standard Colors, Add	817.22	
			For Anodized Finish, Add	1,089.63	
			For Kynar® Standard Colors Finish, Add	1,498.24	
08 91 16 00-0135	EA		60" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	3,153.07	110.32
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	293.24	
			For Clear Lacquer Finish, Add	586.48	
			For Baked Enamel Standard Colors, Add	879.72	
			For Anodized Finish, Add	1,172.96	
			For Kynar® Standard Colors Finish, Add	1,612.83	
08 91 16 00-0136	EA		60" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	3,310.82	113.83
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	308.32	
			For Clear Lacquer Finish, Add	616.63	
			For Baked Enamel Standard Colors, Add	924.95	
			For Anodized Finish, Add	1,233.26	
			For Kynar® Standard Colors Finish, Add	1,695.74	

### 08 91 16 00-0137 Adjustable Intake Wall Louvers Operators (08 91 16)

08 91 16 00-0138	EA		5' Chain Actuator For Adjustable Intake Louver.....	188.61	17.52
08 91 16 00-0139	EA		Panel Crank For Adjustable Intake Louver.....	425.00	7.00

### 08 91 19 Fixed Louvers (08 91)

#### 08 91 19 00-0001 Fixed Intake Wall Louvers (08 91 19)

08 91 19 00-0002	EA		12" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	246.27	15.76
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	21.47	
			For Clear Lacquer Finish, Add	42.95	
			For Baked Enamel Standard Colors, Add	64.42	
			For Anodized Finish, Add	85.90	
			For Kynar® Standard Colors Finish, Add	118.11	



<b>Openings</b>	<b>08</b>
<b>Louvers And Vents</b>	<b>08 90</b>
<b>Louvers</b>	<b>08 91</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0003	EA	12" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	292.38	19.26
			<i>For Flange Frame, Add</i>	25.39	
			<i>For Clear Lacquer Finish, Add</i>	50.77	
			<i>For Baked Enamel Standard Colors, Add</i>	76.16	
			<i>For Anodized Finish, Add</i>	101.54	
			<i>For Kynar® Standard Colors Finish, Add</i>	139.62	
08 91	19 00-0004	EA	12" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	339.21	22.77
			<i>For Flange Frame, Add</i>	29.37	
			<i>For Clear Lacquer Finish, Add</i>	58.73	
			<i>For Baked Enamel Standard Colors, Add</i>	88.10	
			<i>For Anodized Finish, Add</i>	117.47	
			<i>For Kynar® Standard Colors Finish, Add</i>	161.52	
08 91	19 00-0005	EA	12" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	398.12	26.27
			<i>For Flange Frame, Add</i>	34.56	
			<i>For Clear Lacquer Finish, Add</i>	69.12	
			<i>For Baked Enamel Standard Colors, Add</i>	103.67	
			<i>For Anodized Finish, Add</i>	138.23	
			<i>For Kynar® Standard Colors Finish, Add</i>	190.07	
08 91	19 00-0006	EA	12" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	447.79	29.77
			<i>For Flange Frame, Add</i>	38.82	
			<i>For Clear Lacquer Finish, Add</i>	77.65	
			<i>For Baked Enamel Standard Colors, Add</i>	116.47	
			<i>For Anodized Finish, Add</i>	155.30	
			<i>For Kynar® Standard Colors Finish, Add</i>	213.53	
08 91	19 00-0007	EA	12" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	528.74	33.27
			<i>For Flange Frame, Add</i>	46.22	
			<i>For Clear Lacquer Finish, Add</i>	92.44	
			<i>For Baked Enamel Standard Colors, Add</i>	138.66	
			<i>For Anodized Finish, Add</i>	184.88	
			<i>For Kynar® Standard Colors Finish, Add</i>	254.20	
08 91	19 00-0008	EA	12" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	572.72	36.78
			<i>For Flange Frame, Add</i>	49.92	
			<i>For Clear Lacquer Finish, Add</i>	99.83	
			<i>For Baked Enamel Standard Colors, Add</i>	149.75	
			<i>For Anodized Finish, Add</i>	199.66	
			<i>For Kynar® Standard Colors Finish, Add</i>	274.54	
08 91	19 00-0009	EA	12" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	640.11	42.03
			<i>For Flange Frame, Add</i>	55.61	
			<i>For Clear Lacquer Finish, Add</i>	111.21	
			<i>For Baked Enamel Standard Colors, Add</i>	166.82	
			<i>For Anodized Finish, Add</i>	222.42	
			<i>For Kynar® Standard Colors Finish, Add</i>	305.83	
08 91	19 00-0010	EA	12" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	680.53	45.54
			<i>For Flange Frame, Add</i>	58.95	
			<i>For Clear Lacquer Finish, Add</i>	117.89	
			<i>For Baked Enamel Standard Colors, Add</i>	176.84	
			<i>For Anodized Finish, Add</i>	235.79	
			<i>For Kynar® Standard Colors Finish, Add</i>	324.21	
08 91	19 00-0011	EA	12" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	735.89	49.03
			<i>For Flange Frame, Add</i>	63.78	
			<i>For Clear Lacquer Finish, Add</i>	127.56	
			<i>For Baked Enamel Standard Colors, Add</i>	191.35	
			<i>For Anodized Finish, Add</i>	255.13	
			<i>For Kynar® Standard Colors Finish, Add</i>	350.80	
08 91	19 00-0012	EA	12" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	784.13	52.54
			<i>For Flange Frame, Add</i>	67.91	
			<i>For Clear Lacquer Finish, Add</i>	135.81	
			<i>For Baked Enamel Standard Colors, Add</i>	203.72	
			<i>For Anodized Finish, Add</i>	271.62	
			<i>For Kynar® Standard Colors Finish, Add</i>	373.48	
08 91	19 00-0013	EA	12" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	841.63	56.04
			<i>For Flange Frame, Add</i>	72.96	
			<i>For Clear Lacquer Finish, Add</i>	145.91	
			<i>For Baked Enamel Standard Colors, Add</i>	218.87	
			<i>For Anodized Finish, Add</i>	291.82	
			<i>For Kynar® Standard Colors Finish, Add</i>	401.25	
08 91	19 00-0014	EA	12" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	895.56	59.55
			<i>For Flange Frame, Add</i>	77.65	
			<i>For Clear Lacquer Finish, Add</i>	155.30	
			<i>For Baked Enamel Standard Colors, Add</i>	232.94	
			<i>For Anodized Finish, Add</i>	310.59	
			<i>For Kynar® Standard Colors Finish, Add</i>	427.06	

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers And Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0015	EA	12" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	943.04	64.80
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	81.35	
			For Clear Lacquer Finish, Add	162.69	
			For Baked Enamel Standard Colors, Add	244.04	
			For Anodized Finish, Add	325.38	
			For Kynar® Standard Colors Finish, Add	447.40	
08 91	19 00-0016	EA	12" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	1,006.88	70.05
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	86.68	
			For Clear Lacquer Finish, Add	173.36	
			For Baked Enamel Standard Colors, Add	260.03	
			For Anodized Finish, Add	346.71	
			For Kynar® Standard Colors Finish, Add	476.73	
08 91	19 00-0017	EA	18" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	285.98	19.26
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	24.75	
			For Clear Lacquer Finish, Add	49.49	
			For Baked Enamel Standard Colors, Add	74.24	
			For Anodized Finish, Add	98.98	
			For Kynar® Standard Colors Finish, Add	136.10	
08 91	19 00-0018	EA	18" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	342.70	24.52
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	29.37	
			For Clear Lacquer Finish, Add	58.73	
			For Baked Enamel Standard Colors, Add	88.10	
			For Anodized Finish, Add	117.47	
			For Kynar® Standard Colors Finish, Add	161.52	
08 91	19 00-0019	EA	18" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	397.35	28.02
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	34.13	
			For Clear Lacquer Finish, Add	68.26	
			For Baked Enamel Standard Colors, Add	102.39	
			For Anodized Finish, Add	136.52	
			For Kynar® Standard Colors Finish, Add	187.72	
08 91	19 00-0020	EA	18" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	498.11	35.02
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	42.81	
			For Clear Lacquer Finish, Add	85.61	
			For Baked Enamel Standard Colors, Add	128.42	
			For Anodized Finish, Add	171.22	
			For Kynar® Standard Colors Finish, Add	235.43	
08 91	19 00-0021	EA	18" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	571.95	38.53
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	49.49	
			For Clear Lacquer Finish, Add	98.98	
			For Baked Enamel Standard Colors, Add	148.47	
			For Anodized Finish, Add	197.96	
			For Kynar® Standard Colors Finish, Add	272.20	
08 91	19 00-0022	EA	18" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	637.26	42.03
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	55.32	
			For Clear Lacquer Finish, Add	110.64	
			For Baked Enamel Standard Colors, Add	165.96	
			For Anodized Finish, Add	221.28	
			For Kynar® Standard Colors Finish, Add	304.26	
08 91	19 00-0023	EA	18" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	683.37	45.54
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	59.23	
			For Clear Lacquer Finish, Add	118.46	
			For Baked Enamel Standard Colors, Add	177.69	
			For Anodized Finish, Add	236.92	
			For Kynar® Standard Colors Finish, Add	325.77	
08 91	19 00-0024	EA	18" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	760.73	50.79
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	65.92	
			For Clear Lacquer Finish, Add	131.83	
			For Baked Enamel Standard Colors, Add	197.75	
			For Anodized Finish, Add	263.66	
			For Kynar® Standard Colors Finish, Add	362.53	
08 91	19 00-0025	EA	18" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	814.61	56.04
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	70.25	
			For Clear Lacquer Finish, Add	140.51	
			For Baked Enamel Standard Colors, Add	210.76	
			For Anodized Finish, Add	281.01	
			For Kynar® Standard Colors Finish, Add	386.39	
08 91	19 00-0026	EA	18" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	885.60	59.55
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	76.65	
			For Clear Lacquer Finish, Add	153.30	
			For Baked Enamel Standard Colors, Add	229.96	
			For Anodized Finish, Add	306.61	
			For Kynar® Standard Colors Finish, Add	421.59	



<b>Openings</b>	<b>08</b>
<b>Louvers And Vents</b>	<b>08 90</b>
<b>Louvers</b>	<b>08 91</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0027	EA	18" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	939.54	63.04
			<i>For Flange Frame, Add</i>	81.35	
			<i>For Clear Lacquer Finish, Add</i>	162.69	
			<i>For Baked Enamel Standard Colors, Add</i>	244.04	
			<i>For Anodized Finish, Add</i>	325.38	
			<i>For Kynar® Standard Colors Finish, Add</i>	447.40	
08 91	19 00-0028	EA	18" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	999.87	66.55
			<i>For Flange Frame, Add</i>	86.68	
			<i>For Clear Lacquer Finish, Add</i>	173.36	
			<i>For Baked Enamel Standard Colors, Add</i>	260.03	
			<i>For Anodized Finish, Add</i>	346.71	
			<i>For Kynar® Standard Colors Finish, Add</i>	476.73	
08 91	19 00-0029	EA	18" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,063.06	70.05
			<i>For Flange Frame, Add</i>	92.30	
			<i>For Clear Lacquer Finish, Add</i>	184.59	
			<i>For Baked Enamel Standard Colors, Add</i>	276.89	
			<i>For Anodized Finish, Add</i>	369.18	
			<i>For Kynar® Standard Colors Finish, Add</i>	507.63	
08 91	19 00-0030	EA	18" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,118.36	75.30
			<i>For Flange Frame, Add</i>	96.78	
			<i>For Clear Lacquer Finish, Add</i>	193.55	
			<i>For Baked Enamel Standard Colors, Add</i>	290.33	
			<i>For Anodized Finish, Add</i>	387.10	
			<i>For Kynar® Standard Colors Finish, Add</i>	532.26	
08 91	19 00-0031	EA	18" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	1,195.70	80.56
			<i>For Flange Frame, Add</i>	103.46	
			<i>For Clear Lacquer Finish, Add</i>	206.92	
			<i>For Baked Enamel Standard Colors, Add</i>	310.38	
			<i>For Anodized Finish, Add</i>	413.84	
			<i>For Kynar® Standard Colors Finish, Add</i>	569.02	
08 91	19 00-0032	EA	24" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	330.68	22.77
			<i>For Flange Frame, Add</i>	28.51	
			<i>For Clear Lacquer Finish, Add</i>	57.03	
			<i>For Baked Enamel Standard Colors, Add</i>	85.54	
			<i>For Anodized Finish, Add</i>	114.06	
			<i>For Kynar® Standard Colors Finish, Add</i>	156.83	
08 91	19 00-0033	EA	24" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	393.79	28.02
			<i>For Flange Frame, Add</i>	33.78	
			<i>For Clear Lacquer Finish, Add</i>	67.55	
			<i>For Baked Enamel Standard Colors, Add</i>	101.33	
			<i>For Anodized Finish, Add</i>	135.10	
			<i>For Kynar® Standard Colors Finish, Add</i>	185.76	
08 91	19 00-0034	EA	24" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	488.21	33.27
			<i>For Flange Frame, Add</i>	42.17	
			<i>For Clear Lacquer Finish, Add</i>	84.33	
			<i>For Baked Enamel Standard Colors, Add</i>	126.50	
			<i>For Anodized Finish, Add</i>	168.66	
			<i>For Kynar® Standard Colors Finish, Add</i>	231.91	
08 91	19 00-0035	EA	24" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	575.46	40.28
			<i>For Flange Frame, Add</i>	49.49	
			<i>For Clear Lacquer Finish, Add</i>	98.98	
			<i>For Baked Enamel Standard Colors, Add</i>	148.47	
			<i>For Anodized Finish, Add</i>	197.96	
			<i>For Kynar® Standard Colors Finish, Add</i>	272.20	
08 91	19 00-0036	EA	24" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	659.26	43.78
			<i>For Flange Frame, Add</i>	57.17	
			<i>For Clear Lacquer Finish, Add</i>	114.34	
			<i>For Baked Enamel Standard Colors, Add</i>	171.51	
			<i>For Anodized Finish, Add</i>	228.68	
			<i>For Kynar® Standard Colors Finish, Add</i>	314.43	
08 91	19 00-0037	EA	24" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	736.66	47.28
			<i>For Flange Frame, Add</i>	64.21	
			<i>For Clear Lacquer Finish, Add</i>	128.42	
			<i>For Baked Enamel Standard Colors, Add</i>	192.63	
			<i>For Anodized Finish, Add</i>	256.84	
			<i>For Kynar® Standard Colors Finish, Add</i>	353.15	
08 91	19 00-0038	EA	24" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. Excludes actuator.	800.49	52.54
			<i>For Flange Frame, Add</i>	69.54	
			<i>For Clear Lacquer Finish, Add</i>	139.08	
			<i>For Baked Enamel Standard Colors, Add</i>	208.63	
			<i>For Anodized Finish, Add</i>	278.17	
			<i>For Kynar® Standard Colors Finish, Add</i>	382.48	

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers And Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0039	EA	24" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	885.60	59.55
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	76.65	
			For Clear Lacquer Finish, Add	153.30	
			For Baked Enamel Standard Colors, Add	229.96	
			For Anodized Finish, Add	306.61	
			For Kynar® Standard Colors Finish, Add	421.59	
08 91	19 00-0040	EA	24" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	942.39	63.04
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	81.63	
			For Clear Lacquer Finish, Add	163.26	
			For Baked Enamel Standard Colors, Add	244.89	
			For Anodized Finish, Add	326.52	
			For Kynar® Standard Colors Finish, Add	448.97	
08 91	19 00-0041	EA	24" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,035.32	70.05
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	89.52	
			For Clear Lacquer Finish, Add	179.04	
			For Baked Enamel Standard Colors, Add	268.57	
			For Anodized Finish, Add	358.09	
			For Kynar® Standard Colors Finish, Add	492.37	
08 91	19 00-0042	EA	24" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,094.23	73.56
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	94.71	
			For Clear Lacquer Finish, Add	189.43	
			For Baked Enamel Standard Colors, Add	284.14	
			For Anodized Finish, Add	378.85	
			For Kynar® Standard Colors Finish, Add	520.92	
08 91	19 00-0043	EA	24" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,170.93	77.05
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	101.68	
			For Clear Lacquer Finish, Add	203.36	
			For Baked Enamel Standard Colors, Add	305.05	
			For Anodized Finish, Add	406.73	
			For Kynar® Standard Colors Finish, Add	559.25	
08 91	19 00-0044	EA	24" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	1,246.19	80.56
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	108.51	
			For Clear Lacquer Finish, Add	217.02	
			For Baked Enamel Standard Colors, Add	325.52	
			For Anodized Finish, Add	434.03	
			For Kynar® Standard Colors Finish, Add	596.79	
08 91	19 00-0045	EA	24" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	1,302.92	85.81
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	113.13	
			For Clear Lacquer Finish, Add	226.26	
			For Baked Enamel Standard Colors, Add	339.39	
			For Anodized Finish, Add	452.52	
			For Kynar® Standard Colors Finish, Add	622.22	
08 91	19 00-0046	EA	24" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	1,397.33	91.06
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	121.52	
			For Clear Lacquer Finish, Add	243.04	
			For Baked Enamel Standard Colors, Add	364.56	
			For Anodized Finish, Add	486.08	
			For Kynar® Standard Colors Finish, Add	668.36	
08 91	19 00-0047	EA	30" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	370.38	26.27
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	31.78	
			For Clear Lacquer Finish, Add	63.57	
			For Baked Enamel Standard Colors, Add	95.35	
			For Anodized Finish, Add	127.14	
			For Kynar® Standard Colors Finish, Add	174.81	
08 91	19 00-0048	EA	30" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	478.91	35.02
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	40.89	
			For Clear Lacquer Finish, Add	81.77	
			For Baked Enamel Standard Colors, Add	122.66	
			For Anodized Finish, Add	163.54	
			For Kynar® Standard Colors Finish, Add	224.87	
08 91	19 00-0049	EA	30" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	559.10	40.28
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	47.85	
			For Clear Lacquer Finish, Add	95.71	
			For Baked Enamel Standard Colors, Add	143.56	
			For Anodized Finish, Add	191.42	
			For Kynar® Standard Colors Finish, Add	263.20	
08 91	19 00-0050	EA	30" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	652.80	45.54
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	56.17	
			For Clear Lacquer Finish, Add	112.35	
			For Baked Enamel Standard Colors, Add	168.52	
			For Anodized Finish, Add	224.70	
			For Kynar® Standard Colors Finish, Add	308.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0051 EA 30" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	753.67	49.03
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	65.56	
For Clear Lacquer Finish, Add	131.12	
For Baked Enamel Standard Colors, Add	196.68	
For Anodized Finish, Add	262.24	
For Kynar® Standard Colors Finish, Add	360.58	
08 91 19 00-0052 EA 30" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	838.13	54.28
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	72.96	
For Clear Lacquer Finish, Add	145.91	
For Baked Enamel Standard Colors, Add	218.87	
For Anodized Finish, Add	291.82	
For Kynar® Standard Colors Finish, Add	401.25	
08 91 19 00-0053 EA 30" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	901.30	57.79
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	78.57	
For Clear Lacquer Finish, Add	157.14	
For Baked Enamel Standard Colors, Add	235.72	
For Anodized Finish, Add	314.29	
For Kynar® Standard Colors Finish, Add	432.15	
08 91 19 00-0054 EA 30" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	990.03	63.04
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	86.39	
For Clear Lacquer Finish, Add	172.79	
For Baked Enamel Standard Colors, Add	259.18	
For Anodized Finish, Add	345.58	
For Kynar® Standard Colors Finish, Add	475.17	
08 91 19 00-0055 EA 30" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,061.02	66.55
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	92.79	
For Clear Lacquer Finish, Add	185.59	
For Baked Enamel Standard Colors, Add	278.38	
For Anodized Finish, Add	371.17	
For Kynar® Standard Colors Finish, Add	510.36	
08 91 19 00-0056 EA 30" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,168.89	73.56
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	102.18	
For Clear Lacquer Finish, Add	204.36	
For Baked Enamel Standard Colors, Add	306.54	
For Anodized Finish, Add	408.72	
For Kynar® Standard Colors Finish, Add	561.98	
08 91 19 00-0057 EA 30" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,237.71	78.81
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	108.01	
For Clear Lacquer Finish, Add	216.02	
For Baked Enamel Standard Colors, Add	324.03	
For Anodized Finish, Add	432.04	
For Kynar® Standard Colors Finish, Add	594.06	
08 91 19 00-0058 EA 30" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,319.38	82.30
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	115.48	
For Clear Lacquer Finish, Add	230.95	
For Baked Enamel Standard Colors, Add	346.43	
For Anodized Finish, Add	461.90	
For Kynar® Standard Colors Finish, Add	635.12	
08 91 19 00-0059 EA 30" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	1,400.33	85.81
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	122.87	
For Clear Lacquer Finish, Add	245.74	
For Baked Enamel Standard Colors, Add	368.61	
For Anodized Finish, Add	491.48	
For Kynar® Standard Colors Finish, Add	675.79	
08 91 19 00-0060 EA 30" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	1,467.73	91.06
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	128.56	
For Clear Lacquer Finish, Add	257.12	
For Baked Enamel Standard Colors, Add	385.68	
For Anodized Finish, Add	514.24	
For Kynar® Standard Colors Finish, Add	707.08	
08 91 19 00-0061 EA 30" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	1,574.94	96.31
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	138.23	
For Clear Lacquer Finish, Add	276.46	
For Baked Enamel Standard Colors, Add	414.69	
For Anodized Finish, Add	552.92	
For Kynar® Standard Colors Finish, Add	760.27	
08 91 19 00-0062 EA 36" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	410.81	29.77
Note: Includes bird screen. Excludes actuator.		
For Flange Frame, Add	35.13	
For Clear Lacquer Finish, Add	70.25	
For Baked Enamel Standard Colors, Add	105.38	
For Anodized Finish, Add	140.50	
For Kynar® Standard Colors Finish, Add	193.19	

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers And Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0063	EA	36" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	539.24	38.53
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	46.22	
			For Clear Lacquer Finish, Add	92.44	
			For Baked Enamel Standard Colors, Add	138.66	
			For Anodized Finish, Add	184.88	
			For Kynar® Standard Colors Finish, Add	254.20	
08 91	19 00-0064	EA	36" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	623.71	43.78
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	53.61	
			For Clear Lacquer Finish, Add	107.23	
			For Baked Enamel Standard Colors, Add	160.84	
			For Anodized Finish, Add	214.46	
			For Kynar® Standard Colors Finish, Add	294.88	
08 91	19 00-0065	EA	36" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	724.51	49.03
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	62.64	
			For Clear Lacquer Finish, Add	125.29	
			For Baked Enamel Standard Colors, Add	187.93	
			For Anodized Finish, Add	250.58	
			For Kynar® Standard Colors Finish, Add	344.54	
08 91	19 00-0066	EA	36" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	838.15	53.24
			Note: Includes bird screen.		
			For Flange Frame, Add	73.17	
			For Clear Lacquer Finish, Add	146.34	
			For Baked Enamel Standard Colors, Add	219.50	
			For Anodized Finish, Add	292.67	
			For Kynar® Standard Colors Finish, Add	402.42	
08 91	19 00-0067	EA	36" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	926.19	57.79
			Note: Includes bird screen.		
			For Flange Frame, Add	81.06	
			For Clear Lacquer Finish, Add	162.12	
			For Baked Enamel Standard Colors, Add	243.18	
			For Anodized Finish, Add	324.24	
			For Kynar® Standard Colors Finish, Add	445.84	
08 91	19 00-0068	EA	36" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,002.17	61.29
			Note: Includes bird screen.		
			For Flange Frame, Add	87.96	
			For Clear Lacquer Finish, Add	175.92	
			For Baked Enamel Standard Colors, Add	263.87	
			For Anodized Finish, Add	351.83	
			For Kynar® Standard Colors Finish, Add	483.77	
08 91	19 00-0069	EA	36" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,103.69	66.55
			Note: Includes bird screen.		
			For Flange Frame, Add	97.06	
			For Clear Lacquer Finish, Add	194.12	
			For Baked Enamel Standard Colors, Add	291.18	
			For Anodized Finish, Add	388.24	
			For Kynar® Standard Colors Finish, Add	533.83	
08 91	19 00-0070	EA	36" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,180.33	71.80
			Note: Includes bird screen.		
			For Flange Frame, Add	103.67	
			For Clear Lacquer Finish, Add	207.35	
			For Baked Enamel Standard Colors, Add	311.02	
			For Anodized Finish, Add	414.69	
			For Kynar® Standard Colors Finish, Add	570.20	
08 91	19 00-0071	EA	36" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,302.47	77.05
			Note: Includes bird screen.		
			For Flange Frame, Add	114.84	
			For Clear Lacquer Finish, Add	229.67	
			For Baked Enamel Standard Colors, Add	344.51	
			For Anodized Finish, Add	459.34	
			For Kynar® Standard Colors Finish, Add	631.60	
08 91	19 00-0072	EA	36" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,382.67	82.30
			Note: Includes bird screen.		
			For Flange Frame, Add	121.81	
			For Clear Lacquer Finish, Add	243.61	
			For Baked Enamel Standard Colors, Add	365.42	
			For Anodized Finish, Add	487.22	
			For Kynar® Standard Colors Finish, Add	669.93	
08 91	19 00-0073	EA	36" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,470.02	85.81
			Note: Includes bird screen.		
			For Flange Frame, Add	129.84	
			For Clear Lacquer Finish, Add	259.68	
			For Baked Enamel Standard Colors, Add	389.52	
			For Anodized Finish, Add	519.36	
			For Kynar® Standard Colors Finish, Add	714.12	
08 91	19 00-0074	EA	36" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	1,560.93	89.31
			Note: Includes bird screen.		
			For Flange Frame, Add	138.23	
			For Clear Lacquer Finish, Add	276.46	
			For Baked Enamel Standard Colors, Add	414.69	
			For Anodized Finish, Add	552.92	
			For Kynar® Standard Colors Finish, Add	760.27	



<b>Openings</b>	<b>08</b>
<b>Louvers And Vents</b>	<b>08 90</b>
<b>Louvers</b>	<b>08 91</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0075	EA	36" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,638.27	94.57
			<i>For Flange Frame, Add</i>	144.91	
			<i>For Clear Lacquer Finish, Add</i>	289.83	
			<i>For Baked Enamel Standard Colors, Add</i>	434.74	
			<i>For Anodized Finish, Add</i>	579.66	
			<i>For Kynar® Standard Colors Finish, Add</i>	797.03	
08 91	19 00-0076	EA	36" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,759.71	99.82
			<i>For Flange Frame, Add</i>	156.01	
			<i>For Clear Lacquer Finish, Add</i>	312.01	
			<i>For Baked Enamel Standard Colors, Add</i>	468.02	
			<i>For Anodized Finish, Add</i>	624.03	
			<i>For Kynar® Standard Colors Finish, Add</i>	858.04	
08 91	19 00-0077	EA	42" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	478.25	33.27
			<i>For Flange Frame, Add</i>	41.17	
			<i>For Clear Lacquer Finish, Add</i>	82.34	
			<i>For Baked Enamel Standard Colors, Add</i>	123.51	
			<i>For Anodized Finish, Add</i>	164.68	
			<i>For Kynar® Standard Colors Finish, Add</i>	226.44	
08 91	19 00-0078	EA	42" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	586.07	42.03
			<i>For Flange Frame, Add</i>	50.20	
			<i>For Clear Lacquer Finish, Add</i>	100.40	
			<i>For Baked Enamel Standard Colors, Add</i>	150.60	
			<i>For Anodized Finish, Add</i>	200.80	
			<i>For Kynar® Standard Colors Finish, Add</i>	276.11	
08 91	19 00-0079	EA	42" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	679.77	47.28
			<i>For Flange Frame, Add</i>	58.52	
			<i>For Clear Lacquer Finish, Add</i>	117.04	
			<i>For Baked Enamel Standard Colors, Add</i>	175.56	
			<i>For Anodized Finish, Add</i>	234.08	
			<i>For Kynar® Standard Colors Finish, Add</i>	321.86	
08 91	19 00-0080	EA	42" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	795.46	54.28
			<i>For Flange Frame, Add</i>	68.69	
			<i>For Clear Lacquer Finish, Add</i>	137.38	
			<i>For Baked Enamel Standard Colors, Add</i>	206.06	
			<i>For Anodized Finish, Add</i>	274.75	
			<i>For Kynar® Standard Colors Finish, Add</i>	377.78	
08 91	19 00-0081	EA	42" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	919.08	57.79
			<i>For Flange Frame, Add</i>	80.35	
			<i>For Clear Lacquer Finish, Add</i>	160.70	
			<i>For Baked Enamel Standard Colors, Add</i>	241.05	
			<i>For Anodized Finish, Add</i>	321.40	
			<i>For Kynar® Standard Colors Finish, Add</i>	441.93	
08 91	19 00-0082	EA	42" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,017.81	61.29
			<i>For Flange Frame, Add</i>	89.52	
			<i>For Clear Lacquer Finish, Add</i>	179.04	
			<i>For Baked Enamel Standard Colors, Add</i>	268.57	
			<i>For Anodized Finish, Add</i>	358.09	
			<i>For Kynar® Standard Colors Finish, Add</i>	492.37	
08 91	19 00-0083	EA	42" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,103.03	64.80
			<i>For Flange Frame, Add</i>	97.34	
			<i>For Clear Lacquer Finish, Add</i>	194.69	
			<i>For Baked Enamel Standard Colors, Add</i>	292.03	
			<i>For Anodized Finish, Add</i>	389.38	
			<i>For Kynar® Standard Colors Finish, Add</i>	535.39	
08 91	19 00-0084	EA	42" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,204.56	70.05
			<i>For Flange Frame, Add</i>	106.45	
			<i>For Clear Lacquer Finish, Add</i>	212.89	
			<i>For Baked Enamel Standard Colors, Add</i>	319.34	
			<i>For Anodized Finish, Add</i>	425.78	
			<i>For Kynar® Standard Colors Finish, Add</i>	585.45	
08 91	19 00-0085	EA	42" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,291.15	75.30
			<i>For Flange Frame, Add</i>	114.05	
			<i>For Clear Lacquer Finish, Add</i>	228.11	
			<i>For Baked Enamel Standard Colors, Add</i>	342.16	
			<i>For Anodized Finish, Add</i>	456.22	
			<i>For Kynar® Standard Colors Finish, Add</i>	627.30	
08 91	19 00-0086	EA	42" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,426.80	80.56
			<i>For Flange Frame, Add</i>	126.57	
			<i>For Clear Lacquer Finish, Add</i>	253.14	
			<i>For Baked Enamel Standard Colors, Add</i>	379.71	
			<i>For Anodized Finish, Add</i>	506.28	
			<i>For Kynar® Standard Colors Finish, Add</i>	696.13	



<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers And Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0087	EA	42" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,513.39	85.81
			Note: Includes bird screen.		
			For Flange Frame, Add	134.18	
			For Clear Lacquer Finish, Add	268.35	
			For Baked Enamel Standard Colors, Add	402.53	
			For Anodized Finish, Add	536.71	
			For Kynar® Standard Colors Finish, Add	737.97	
08 91	19 00-0088	EA	42" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,612.13	89.31
			Note: Includes bird screen.		
			For Flange Frame, Add	143.35	
			For Clear Lacquer Finish, Add	286.70	
			For Baked Enamel Standard Colors, Add	430.05	
			For Anodized Finish, Add	573.40	
			For Kynar® Standard Colors Finish, Add	788.43	
08 91	19 00-0089	EA	42" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	1,711.56	92.82
			Note: Includes bird screen.		
			For Flange Frame, Add	152.59	
			For Clear Lacquer Finish, Add	305.19	
			For Baked Enamel Standard Colors, Add	457.78	
			For Anodized Finish, Add	610.37	
			For Kynar® Standard Colors Finish, Add	839.26	
08 91	19 00-0090	EA	42" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	1,803.14	98.07
			Note: Includes bird screen.		
			For Flange Frame, Add	160.70	
			For Clear Lacquer Finish, Add	321.40	
			For Baked Enamel Standard Colors, Add	482.10	
			For Anodized Finish, Add	642.80	
			For Kynar® Standard Colors Finish, Add	883.85	
08 91	19 00-0091	EA	42" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	1,933.81	103.32
			Note: Includes bird screen.		
			For Flange Frame, Add	172.72	
			For Clear Lacquer Finish, Add	345.43	
			For Baked Enamel Standard Colors, Add	518.15	
			For Anodized Finish, Add	690.86	
			For Kynar® Standard Colors Finish, Add	949.94	
08 91	19 00-0092	EA	48" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	522.95	36.78
			Note: Includes bird screen.		
			For Flange Frame, Add	44.94	
			For Clear Lacquer Finish, Add	89.88	
			For Baked Enamel Standard Colors, Add	134.82	
			For Anodized Finish, Add	179.76	
			For Kynar® Standard Colors Finish, Add	247.16	
08 91	19 00-0093	EA	48" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	640.71	45.54
			Note: Includes bird screen.		
			For Flange Frame, Add	54.97	
			For Clear Lacquer Finish, Add	109.93	
			For Baked Enamel Standard Colors, Add	164.90	
			For Anodized Finish, Add	219.86	
			For Kynar® Standard Colors Finish, Add	302.31	
08 91	19 00-0094	EA	48" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	750.71	52.54
			Note: Includes bird screen.		
			For Flange Frame, Add	64.56	
			For Clear Lacquer Finish, Add	129.13	
			For Baked Enamel Standard Colors, Add	193.69	
			For Anodized Finish, Add	258.26	
			For Kynar® Standard Colors Finish, Add	355.10	
08 91	19 00-0095	EA	48" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	865.04	57.79
			Note: Includes bird screen.		
			For Flange Frame, Add	74.95	
			For Clear Lacquer Finish, Add	149.89	
			For Baked Enamel Standard Colors, Add	224.84	
			For Anodized Finish, Add	299.78	
			For Kynar® Standard Colors Finish, Add	412.20	
08 91	19 00-0096	EA	48" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,006.44	61.29
			Note: Includes bird screen.		
			For Flange Frame, Add	88.39	
			For Clear Lacquer Finish, Add	176.77	
			For Baked Enamel Standard Colors, Add	265.16	
			For Anodized Finish, Add	353.54	
			For Kynar® Standard Colors Finish, Add	486.12	
08 91	19 00-0097	EA	48" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,120.81	64.80
			Note: Includes bird screen.		
			For Flange Frame, Add	99.12	
			For Clear Lacquer Finish, Add	198.24	
			For Baked Enamel Standard Colors, Add	297.37	
			For Anodized Finish, Add	396.49	
			For Kynar® Standard Colors Finish, Add	545.17	
08 91	19 00-0098	EA	48" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,214.51	70.05
			Note: Includes bird screen.		
			For Flange Frame, Add	107.44	
			For Clear Lacquer Finish, Add	214.88	
			For Baked Enamel Standard Colors, Add	322.32	
			For Anodized Finish, Add	429.76	
			For Kynar® Standard Colors Finish, Add	590.93	



<b>Openings</b>	<b>08</b>
<b>Louvers And Vents</b>	<b>08 90</b>
<b>Louvers</b>	<b>08 91</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0099	EA	48" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,362.97 121.24 242.47 363.71 484.94 666.80	75.30
08 91	19 00-0100	EA	48" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,426.80 126.57 253.14 379.71 506.28 696.13	80.56
08 91	19 00-0101	EA	48" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,571.70 140.01 280.02 420.02 560.03 770.04	85.81
08 91	19 00-0102	EA	48" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,671.80 148.97 297.93 446.90 595.87 819.32	91.06
08 91	19 00-0103	EA	48" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,781.90 159.28 318.55 477.83 637.11 876.02	94.57
08 91	19 00-0104	EA	48" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,892.02 169.59 339.18 508.76 678.35 932.73	98.07
08 91	19 00-0105	EA	48" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,983.63 178.05 356.10 534.15 712.20 979.27	101.58
08 91	19 00-0106	EA	48" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,134.22 192.06 384.11 576.17 768.23 1,056.31	106.83
08 91	19 00-0107	EA	54" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	578.96 49.49 98.98 148.47 197.96 272.20	42.03
08 91	19 00-0108	EA	54" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	710.96 60.94 121.88 182.81 243.75 335.16	50.79
08 91	19 00-0109	EA	54" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	832.27 71.32 142.64 213.96 285.28 392.25	59.55
08 91	19 00-0110	EA	54" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	955.19 82.91 165.82 248.73 331.64 456.01	63.04

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers And Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0111 EA 54" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,124.31	66.55
Note: Includes bird screen.		
For Flange Frame, Add	99.12	
For Clear Lacquer Finish, Add	198.24	
For Baked Enamel Standard Colors, Add	297.37	
For Anodized Finish, Add	396.49	
For Kynar® Standard Colors Finish, Add	545.17	
08 91 19 00-0112 EA 54" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,241.53	70.05
Note: Includes bird screen.		
For Flange Frame, Add	110.14	
For Clear Lacquer Finish, Add	220.29	
For Baked Enamel Standard Colors, Add	330.43	
For Anodized Finish, Add	440.57	
For Kynar® Standard Colors Finish, Add	605.79	
08 91 19 00-0113 EA 54" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,351.59	75.30
Note: Includes bird screen.		
For Flange Frame, Add	120.10	
For Clear Lacquer Finish, Add	240.20	
For Baked Enamel Standard Colors, Add	360.29	
For Anodized Finish, Add	480.39	
For Kynar® Standard Colors Finish, Add	660.54	
08 91 19 00-0114 EA 54" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,513.55	80.56
Note: Includes bird screen.		
For Flange Frame, Add	135.24	
For Clear Lacquer Finish, Add	270.49	
For Baked Enamel Standard Colors, Add	405.73	
For Anodized Finish, Add	540.98	
For Kynar® Standard Colors Finish, Add	743.84	
08 91 19 00-0115 EA 54" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,627.16	85.81
Note: Includes bird screen.		
For Flange Frame, Add	145.55	
For Clear Lacquer Finish, Add	291.11	
For Baked Enamel Standard Colors, Add	436.66	
For Anodized Finish, Add	582.22	
For Kynar® Standard Colors Finish, Add	800.55	
08 91 19 00-0116 EA 54" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,796.95	91.06
Note: Includes bird screen.		
For Flange Frame, Add	161.48	
For Clear Lacquer Finish, Add	322.96	
For Baked Enamel Standard Colors, Add	484.45	
For Anodized Finish, Add	645.93	
For Kynar® Standard Colors Finish, Add	888.15	
08 91 19 00-0117 EA 54" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,906.34	94.57
Note: Includes bird screen.		
For Flange Frame, Add	171.72	
For Clear Lacquer Finish, Add	343.44	
For Baked Enamel Standard Colors, Add	515.16	
For Anodized Finish, Add	686.88	
For Kynar® Standard Colors Finish, Add	944.47	
08 91 19 00-0118 EA 54" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,031.39	98.07
Note: Includes bird screen.		
For Flange Frame, Add	183.53	
For Clear Lacquer Finish, Add	367.05	
For Baked Enamel Standard Colors, Add	550.58	
For Anodized Finish, Add	734.10	
For Kynar® Standard Colors Finish, Add	1,009.39	
08 91 19 00-0119 EA 54" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,151.44	101.58
Note: Includes bird screen.		
For Flange Frame, Add	194.83	
For Clear Lacquer Finish, Add	389.66	
For Baked Enamel Standard Colors, Add	584.49	
For Anodized Finish, Add	779.32	
For Kynar® Standard Colors Finish, Add	1,071.57	
08 91 19 00-0120 EA 54" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	2,250.89	105.07
Note: Includes bird screen.		
For Flange Frame, Add	204.07	
For Clear Lacquer Finish, Add	408.15	
For Baked Enamel Standard Colors, Add	612.22	
For Anodized Finish, Add	816.30	
For Kynar® Standard Colors Finish, Add	1,122.41	
08 91 19 00-0121 EA 54" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	2,426.37	110.32
Note: Includes bird screen.		
For Flange Frame, Add	220.57	
For Clear Lacquer Finish, Add	441.14	
For Baked Enamel Standard Colors, Add	661.71	
For Anodized Finish, Add	882.28	
For Kynar® Standard Colors Finish, Add	1,213.14	
08 91 19 00-0122 EA 60" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	622.22	45.54
Note: Includes bird screen.		
For Flange Frame, Add	53.12	
For Clear Lacquer Finish, Add	106.23	
For Baked Enamel Standard Colors, Add	159.35	
For Anodized Finish, Add	212.46	
For Kynar® Standard Colors Finish, Add	292.14	



<b>Openings</b>	<b>08</b>
<b>Louvers And Vents</b>	<b>08 90</b>
<b>Louvers</b>	<b>08 91</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0123	EA	60" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	767.68  65.56 131.12 196.68 262.24 360.58	56.04
08 91	19 00-0124	EA	60" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	892.61  76.65 153.30 229.96 306.61 421.59	63.04
08 91	19 00-0125	EA	60" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,034.71  90.16 180.32 270.49 360.65 495.89	66.55
08 91	19 00-0126	EA	60" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,210.90  106.73 213.46 320.19 426.92 587.02	71.80
08 91	19 00-0127	EA	60" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,342.35  119.17 238.35 357.52 476.70 655.46	75.30
08 91	19 00-0128	EA	60" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,457.37  129.63 259.25 388.88 518.50 712.94	80.56
08 91	19 00-0129	EA	60" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,630.72  145.91 291.82 437.73 583.64 802.51	85.81
08 91	19 00-0130	EA	60" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,752.86  157.07 314.15 471.22 628.29 863.90	91.06
08 91	19 00-0131	EA	60" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,936.87  174.42 348.85 523.27 697.69 959.33	96.31
08 91	19 00-0132	EA	60" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,053.37  185.37 370.75 556.12 741.49 1,019.55	99.82
08 91	19 00-0133	EA	60" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,186.24  197.96 395.92 593.88 791.84 1,088.77	103.32
08 91	19 00-0134	EA	60" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,316.25  210.26 420.52 630.78 841.04 1,156.43	106.83

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers And Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0135	EA	60" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,426.37	110.32
			<i>For Flange Frame, Add</i>	220.57	
			<i>For Clear Lacquer Finish, Add</i>	441.14	
			<i>For Baked Enamel Standard Colors, Add</i>	661.71	
			<i>For Anodized Finish, Add</i>	882.28	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,213.14	
08 91	19 00-0136	EA	60" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,610.42	113.83
			<i>For Flange Frame, Add</i>	238.28	
			<i>For Clear Lacquer Finish, Add</i>	476.55	
			<i>For Baked Enamel Standard Colors, Add</i>	714.83	
			<i>For Anodized Finish, Add</i>	953.10	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,310.52	
08 91	19 00-0137	EA	66" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	718.11	49.03
			<i>For Flange Frame, Add</i>	62.00	
			<i>For Clear Lacquer Finish, Add</i>	124.01	
			<i>For Baked Enamel Standard Colors, Add</i>	186.01	
			<i>For Anodized Finish, Add</i>	248.02	
			<i>For Kynar® Standard Colors Finish, Add</i>	341.02	
08 91	19 00-0138	EA	66" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	888.45	59.55
			<i>For Flange Frame, Add</i>	76.94	
			<i>For Clear Lacquer Finish, Add</i>	153.87	
			<i>For Baked Enamel Standard Colors, Add</i>	230.81	
			<i>For Anodized Finish, Add</i>	307.75	
			<i>For Kynar® Standard Colors Finish, Add</i>	423.15	
08 91	19 00-0139	EA	66" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,035.32	70.05
			<i>For Flange Frame, Add</i>	89.52	
			<i>For Clear Lacquer Finish, Add</i>	179.04	
			<i>For Baked Enamel Standard Colors, Add</i>	268.57	
			<i>For Anodized Finish, Add</i>	358.09	
			<i>For Kynar® Standard Colors Finish, Add</i>	492.37	
08 91	19 00-0140	EA	66" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,190.22	73.56
			<i>For Flange Frame, Add</i>	104.31	
			<i>For Clear Lacquer Finish, Add</i>	208.62	
			<i>For Baked Enamel Standard Colors, Add</i>	312.94	
			<i>For Anodized Finish, Add</i>	417.25	
			<i>For Kynar® Standard Colors Finish, Add</i>	573.72	
08 91	19 00-0141	EA	66" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,396.33	77.05
			<i>For Flange Frame, Add</i>	124.22	
			<i>For Clear Lacquer Finish, Add</i>	248.44	
			<i>For Baked Enamel Standard Colors, Add</i>	372.67	
			<i>For Anodized Finish, Add</i>	496.89	
			<i>For Kynar® Standard Colors Finish, Add</i>	683.22	
08 91	19 00-0142	EA	66" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,539.86	80.56
			<i>For Flange Frame, Add</i>	137.88	
			<i>For Clear Lacquer Finish, Add</i>	275.75	
			<i>For Baked Enamel Standard Colors, Add</i>	413.63	
			<i>For Anodized Finish, Add</i>	551.50	
			<i>For Kynar® Standard Colors Finish, Add</i>	758.31	
08 91	19 00-0143	EA	66" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,677.65	85.81
			<i>For Flange Frame, Add</i>	150.60	
			<i>For Clear Lacquer Finish, Add</i>	301.21	
			<i>For Baked Enamel Standard Colors, Add</i>	451.81	
			<i>For Anodized Finish, Add</i>	602.41	
			<i>For Kynar® Standard Colors Finish, Add</i>	828.32	
08 91	19 00-0144	EA	66" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,839.61	91.06
			<i>For Flange Frame, Add</i>	165.75	
			<i>For Clear Lacquer Finish, Add</i>	331.50	
			<i>For Baked Enamel Standard Colors, Add</i>	497.24	
			<i>For Anodized Finish, Add</i>	662.99	
			<i>For Kynar® Standard Colors Finish, Add</i>	911.61	
08 91	19 00-0145	EA	66" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,976.69	96.31
			<i>For Flange Frame, Add</i>	178.41	
			<i>For Clear Lacquer Finish, Add</i>	356.81	
			<i>For Baked Enamel Standard Colors, Add</i>	535.22	
			<i>For Anodized Finish, Add</i>	713.62	
			<i>For Kynar® Standard Colors Finish, Add</i>	981.23	
08 91	19 00-0146	EA	66" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,187.66	103.32
			<i>For Flange Frame, Add</i>	198.10	
			<i>For Clear Lacquer Finish, Add</i>	396.20	
			<i>For Baked Enamel Standard Colors, Add</i>	594.30	
			<i>For Anodized Finish, Add</i>	792.40	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,089.56	



<b>Openings</b>	<b>08</b>
<b>Louvers And Vents</b>	<b>08 90</b>
<b>Louvers</b>	<b>08 91</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0147	EA	66" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,319.75	108.58
			<i>For Flange Frame, Add</i>	210.26	
			<i>For Clear Lacquer Finish, Add</i>	420.52	
			<i>For Baked Enamel Standard Colors, Add</i>	630.78	
			<i>For Anodized Finish, Add</i>	841.04	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,156.43	
08 91	19 00-0148	EA	66" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,460.43	112.08
			<i>For Flange Frame, Add</i>	223.63	
			<i>For Clear Lacquer Finish, Add</i>	447.26	
			<i>For Baked Enamel Standard Colors, Add</i>	670.88	
			<i>For Anodized Finish, Add</i>	894.51	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,229.95	
08 91	19 00-0149	EA	66" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,603.97	115.58
			<i>For Flange Frame, Add</i>	237.28	
			<i>For Clear Lacquer Finish, Add</i>	474.56	
			<i>For Baked Enamel Standard Colors, Add</i>	711.84	
			<i>For Anodized Finish, Add</i>	949.12	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,305.05	
08 91	19 00-0150	EA	66" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,728.29	119.08
			<i>For Flange Frame, Add</i>	249.01	
			<i>For Clear Lacquer Finish, Add</i>	498.03	
			<i>For Baked Enamel Standard Colors, Add</i>	747.04	
			<i>For Anodized Finish, Add</i>	996.05	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,369.57	
08 91	19 00-0151	EA	66" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,933.69	122.59
			<i>For Flange Frame, Add</i>	268.85	
			<i>For Clear Lacquer Finish, Add</i>	537.70	
			<i>For Baked Enamel Standard Colors, Add</i>	806.56	
			<i>For Anodized Finish, Add</i>	1,075.41	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,478.69	
08 91	19 00-0152	EA	72" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	757.82	52.54
			<i>For Flange Frame, Add</i>	65.28	
			<i>For Clear Lacquer Finish, Add</i>	130.55	
			<i>For Baked Enamel Standard Colors, Add</i>	195.83	
			<i>For Anodized Finish, Add</i>	261.10	
			<i>For Kynar® Standard Colors Finish, Add</i>	359.01	
08 91	19 00-0153	EA	72" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	936.70	63.04
			<i>For Flange Frame, Add</i>	81.06	
			<i>For Clear Lacquer Finish, Add</i>	162.12	
			<i>For Baked Enamel Standard Colors, Add</i>	243.18	
			<i>For Anodized Finish, Add</i>	324.24	
			<i>For Kynar® Standard Colors Finish, Add</i>	445.84	
08 91	19 00-0154	EA	72" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,091.39	73.56
			<i>For Flange Frame, Add</i>	94.43	
			<i>For Clear Lacquer Finish, Add</i>	188.86	
			<i>For Baked Enamel Standard Colors, Add</i>	283.29	
			<i>For Anodized Finish, Add</i>	377.72	
			<i>For Kynar® Standard Colors Finish, Add</i>	519.36	
08 91	19 00-0155	EA	72" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,259.04	78.81
			<i>For Flange Frame, Add</i>	110.14	
			<i>For Clear Lacquer Finish, Add</i>	220.29	
			<i>For Baked Enamel Standard Colors, Add</i>	330.43	
			<i>For Anodized Finish, Add</i>	440.57	
			<i>For Kynar® Standard Colors Finish, Add</i>	605.79	
08 91	19 00-0156	EA	72" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,480.08	82.30
			<i>For Flange Frame, Add</i>	131.55	
			<i>For Clear Lacquer Finish, Add</i>	263.09	
			<i>For Baked Enamel Standard Colors, Add</i>	394.64	
			<i>For Anodized Finish, Add</i>	526.18	
			<i>For Kynar® Standard Colors Finish, Add</i>	723.50	
08 91	19 00-0157	EA	72" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,631.43	85.81
			<i>For Flange Frame, Add</i>	145.98	
			<i>For Clear Lacquer Finish, Add</i>	291.96	
			<i>For Baked Enamel Standard Colors, Add</i>	437.94	
			<i>For Anodized Finish, Add</i>	583.92	
			<i>For Kynar® Standard Colors Finish, Add</i>	802.90	
08 91	19 00-0158	EA	72" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,778.46	91.06
			<i>For Flange Frame, Add</i>	159.63	
			<i>For Clear Lacquer Finish, Add</i>	319.27	
			<i>For Baked Enamel Standard Colors, Add</i>	478.90	
			<i>For Anodized Finish, Add</i>	638.53	
			<i>For Kynar® Standard Colors Finish, Add</i>	877.98	

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers And Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0159	EA	72" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,946.16	94.57
			<i>For Flange Frame, Add</i>	175.70	
			<i>For Clear Lacquer Finish, Add</i>	351.41	
			<i>For Baked Enamel Standard Colors, Add</i>	527.11	
			<i>For Anodized Finish, Add</i>	702.81	
			<i>For Kynar® Standard Colors Finish, Add</i>	966.37	
08 91	19 00-0160	EA	72" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,089.64	99.82
			<i>For Flange Frame, Add</i>	189.00	
			<i>For Clear Lacquer Finish, Add</i>	378.00	
			<i>For Baked Enamel Standard Colors, Add</i>	567.00	
			<i>For Anodized Finish, Add</i>	756.00	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,039.50	
08 91	19 00-0161	EA	72" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,319.75	108.58
			<i>For Flange Frame, Add</i>	210.26	
			<i>For Clear Lacquer Finish, Add</i>	420.52	
			<i>For Baked Enamel Standard Colors, Add</i>	630.78	
			<i>For Anodized Finish, Add</i>	841.04	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,156.43	
08 91	19 00-0162	EA	72" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,465.37	113.83
			<i>For Flange Frame, Add</i>	223.77	
			<i>For Clear Lacquer Finish, Add</i>	447.54	
			<i>For Baked Enamel Standard Colors, Add</i>	671.31	
			<i>For Anodized Finish, Add</i>	895.08	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,230.74	
08 91	19 00-0163	EA	72" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,610.32	117.33
			<i>For Flange Frame, Add</i>	237.57	
			<i>For Clear Lacquer Finish, Add</i>	475.13	
			<i>For Baked Enamel Standard Colors, Add</i>	712.70	
			<i>For Anodized Finish, Add</i>	950.26	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,306.61	
08 91	19 00-0164	EA	72" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,757.40	120.84
			<i>For Flange Frame, Add</i>	251.57	
			<i>For Clear Lacquer Finish, Add</i>	503.15	
			<i>For Baked Enamel Standard Colors, Add</i>	754.72	
			<i>For Anodized Finish, Add</i>	1,006.29	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,383.65	
08 91	19 00-0165	EA	72" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	2,895.25	124.33
			<i>For Flange Frame, Add</i>	264.66	
			<i>For Clear Lacquer Finish, Add</i>	529.31	
			<i>For Baked Enamel Standard Colors, Add</i>	793.97	
			<i>For Anodized Finish, Add</i>	1,058.63	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,455.61	
08 91	19 00-0166	EA	72" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	3,114.14	127.84
			<i>For Flange Frame, Add</i>	285.85	
			<i>For Clear Lacquer Finish, Add</i>	571.69	
			<i>For Baked Enamel Standard Colors, Add</i>	857.54	
			<i>For Anodized Finish, Add</i>	1,143.38	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,572.15	
08 91	19 00-0167	EA	78" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	806.07	56.04
			<i>For Flange Frame, Add</i>	69.40	
			<i>For Clear Lacquer Finish, Add</i>	138.80	
			<i>For Baked Enamel Standard Colors, Add</i>	208.20	
			<i>For Anodized Finish, Add</i>	277.60	
			<i>For Kynar® Standard Colors Finish, Add</i>	381.69	
08 91	19 00-0168	EA	78" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	989.92	66.55
			<i>For Flange Frame, Add</i>	85.68	
			<i>For Clear Lacquer Finish, Add</i>	171.37	
			<i>For Baked Enamel Standard Colors, Add</i>	257.05	
			<i>For Anodized Finish, Add</i>	342.73	
			<i>For Kynar® Standard Colors Finish, Add</i>	471.26	
08 91	19 00-0169	EA	78" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,148.17	77.05
			<i>For Flange Frame, Add</i>	99.41	
			<i>For Clear Lacquer Finish, Add</i>	198.81	
			<i>For Baked Enamel Standard Colors, Add</i>	298.22	
			<i>For Anodized Finish, Add</i>	397.62	
			<i>For Kynar® Standard Colors Finish, Add</i>	546.73	
08 91	19 00-0170	EA	78" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen.	1,327.20	82.30
			<i>For Flange Frame, Add</i>	116.26	
			<i>For Clear Lacquer Finish, Add</i>	232.52	
			<i>For Baked Enamel Standard Colors, Add</i>	348.77	
			<i>For Anodized Finish, Add</i>	465.03	
			<i>For Kynar® Standard Colors Finish, Add</i>	639.42	



<b>Openings</b>	<b>08</b>
<b>Louvers And Vents</b>	<b>08 90</b>
<b>Louvers</b>	<b>08 91</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0171	EA	78" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,561.03 138.94 277.88 416.82 555.76 764.18	85.81
08 91	19 00-0172	EA	78" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,718.79 154.02 308.03 462.05 616.06 847.09	89.31
08 91	19 00-0173	EA	78" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,876.48 168.74 337.47 506.21 674.94 928.04	94.57
08 91	19 00-0174	EA	78" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,054.14 185.80 371.60 557.40 743.20 1,021.90	98.07
08 91	19 00-0175	EA	78" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,208.28 200.16 400.33 600.49 800.65 1,100.90	103.32
08 91	19 00-0176	EA	78" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,453.32 222.92 445.83 668.75 891.67 1,226.04	112.08
08 91	19 00-0177	EA	78" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,606.06 237.14 474.28 711.42 948.56 1,304.26	117.33
08 91	19 00-0178	EA	78" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,765.88 252.07 504.14 756.21 1,008.28 1,386.39	122.59
08 91	19 00-0179	EA	78" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,912.96 266.08 532.16 798.24 1,064.32 1,463.43	126.09
08 91	19 00-0180	EA	78" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,060.05 280.09 560.17 840.26 1,120.35 1,540.48	129.59
08 91	19 00-0181	EA	78" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,293.16 302.70 605.40 908.09 1,210.79 1,664.84	133.09
08 91	19 00-0182	EA	84" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	845.07 72.60 145.20 217.80 290.40 399.29	59.55



<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers And Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0183 EA 84" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,036.75	70.05
Note: Includes bird screen.		
For Flange Frame, Add	89.67	
For Clear Lacquer Finish, Add	179.33	
For Baked Enamel Standard Colors, Add	269.00	
For Anodized Finish, Add	358.66	
For Kynar® Standard Colors Finish, Add	493.16	
08 91 19 00-0184 EA 84" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,212.06	80.56
Note: Includes bird screen.		
For Flange Frame, Add	105.10	
For Clear Lacquer Finish, Add	210.19	
For Baked Enamel Standard Colors, Add	315.29	
For Anodized Finish, Add	420.38	
For Kynar® Standard Colors Finish, Add	578.02	
08 91 19 00-0185 EA 84" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,396.78	85.81
Note: Includes bird screen.		
For Flange Frame, Add	122.52	
For Clear Lacquer Finish, Add	245.03	
For Baked Enamel Standard Colors, Add	367.55	
For Anodized Finish, Add	490.06	
For Kynar® Standard Colors Finish, Add	673.84	
08 91 19 00-0186 EA 84" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,645.55	89.31
Note: Includes bird screen.		
For Flange Frame, Add	146.69	
For Clear Lacquer Finish, Add	293.38	
For Baked Enamel Standard Colors, Add	440.08	
For Anodized Finish, Add	586.77	
For Kynar® Standard Colors Finish, Add	806.81	
08 91 19 00-0187 EA 84" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,812.54	92.82
Note: Includes bird screen.		
For Flange Frame, Add	162.69	
For Clear Lacquer Finish, Add	325.38	
For Baked Enamel Standard Colors, Add	488.07	
For Anodized Finish, Add	650.76	
For Kynar® Standard Colors Finish, Add	894.80	
08 91 19 00-0188 EA 84" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,973.79	98.07
Note: Includes bird screen.		
For Flange Frame, Add	177.77	
For Clear Lacquer Finish, Add	355.53	
For Baked Enamel Standard Colors, Add	533.30	
For Anodized Finish, Add	711.06	
For Kynar® Standard Colors Finish, Add	977.71	
08 91 19 00-0189 EA 84" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,165.67	101.58
Note: Includes bird screen.		
For Flange Frame, Add	196.25	
For Clear Lacquer Finish, Add	392.51	
For Baked Enamel Standard Colors, Add	588.76	
For Anodized Finish, Add	785.01	
For Kynar® Standard Colors Finish, Add	1,079.39	
08 91 19 00-0190 EA 84" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,327.63	106.83
Note: Includes bird screen.		
For Flange Frame, Add	211.40	
For Clear Lacquer Finish, Add	422.80	
For Baked Enamel Standard Colors, Add	634.19	
For Anodized Finish, Add	845.59	
For Kynar® Standard Colors Finish, Add	1,162.69	
08 91 19 00-0191 EA 84" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,587.61	115.58
Note: Includes bird screen.		
For Flange Frame, Add	235.65	
For Clear Lacquer Finish, Add	471.29	
For Baked Enamel Standard Colors, Add	706.94	
For Anodized Finish, Add	942.58	
For Kynar® Standard Colors Finish, Add	1,296.05	
08 91 19 00-0192 EA 84" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,746.02	120.84
Note: Includes bird screen.		
For Flange Frame, Add	250.44	
For Clear Lacquer Finish, Add	500.87	
For Baked Enamel Standard Colors, Add	751.31	
For Anodized Finish, Add	1,001.74	
For Kynar® Standard Colors Finish, Add	1,377.39	
08 91 19 00-0193 EA 84" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,920.07	126.09
Note: Includes bird screen.		
For Flange Frame, Add	266.79	
For Clear Lacquer Finish, Add	533.58	
For Baked Enamel Standard Colors, Add	800.37	
For Anodized Finish, Add	1,067.16	
For Kynar® Standard Colors Finish, Add	1,467.35	
08 91 19 00-0194 EA 84" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	3,106.98	129.59
Note: Includes bird screen.		
For Flange Frame, Add	284.78	
For Clear Lacquer Finish, Add	569.56	
For Baked Enamel Standard Colors, Add	854.34	
For Anodized Finish, Add	1,139.12	
For Kynar® Standard Colors Finish, Add	1,566.29	



<b>Openings</b>	<b>08</b>
<b>Louvers And Vents</b>	<b>08 90</b>
<b>Louvers</b>	<b>08 91</b>

08

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0195	EA	84" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,275.39 300.92 601.84 902.76 1,203.68 1,655.07	133.09
08 91	19 00-0196	EA	84" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	3,526.29 325.31 650.62 975.93 1,301.24 1,789.21	136.60
08 91	19 00-0197	EA	90" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	896.11 76.65 153.30 229.96 306.61 421.59	64.80
08 91	19 00-0198	EA	90" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,090.63 94.00 188.00 282.01 376.01 517.01	75.30
08 91	19 00-0199	EA	90" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,273.05 110.14 220.29 330.43 440.57 605.79	85.81
08 91	19 00-0200	EA	90" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,463.46 128.13 256.27 384.40 512.53 704.73	91.06
08 91	19 00-0201	EA	90" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,729.29 154.02 308.03 462.05 616.06 847.09	94.57
08 91	19 00-0202	EA	90" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,901.97 170.58 341.17 511.75 682.33 938.21	98.07
08 91	19 00-0203	EA	90" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,066.83 186.37 372.74 559.11 745.48 1,025.03	101.58
08 91	19 00-0204	EA	90" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,269.38 205.92 411.85 617.77 823.69 1,132.58	105.07
08 91	19 00-0205	EA	90" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,439.88 221.92 443.84 665.77 887.69 1,220.57	110.32
08 91	19 00-0206	EA	90" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum..... Note: Includes bird screen. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	2,714.78 247.66 495.32 742.99 990.65 1,362.14	119.08

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers And Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0207	EA	90" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,880.31	124.33
			Note: Includes bird screen.		
			For Flange Frame, Add	263.16	
			For Clear Lacquer Finish, Add	526.33	
			For Baked Enamel Standard Colors, Add	789.49	
			For Anodized Finish, Add	1,052.65	
			For Kynar® Standard Colors Finish, Add	1,447.40	
08 91	19 00-0208	EA	90" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	3,070.00	129.59
			Note: Includes bird screen.		
			For Flange Frame, Add	281.08	
			For Clear Lacquer Finish, Add	562.16	
			For Baked Enamel Standard Colors, Add	843.25	
			For Anodized Finish, Add	1,124.33	
			For Kynar® Standard Colors Finish, Add	1,545.95	
08 91	19 00-0209	EA	90" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	3,268.28	133.09
			Note: Includes bird screen.		
			For Flange Frame, Add	300.21	
			For Clear Lacquer Finish, Add	600.42	
			For Baked Enamel Standard Colors, Add	900.63	
			For Anodized Finish, Add	1,200.84	
			For Kynar® Standard Colors Finish, Add	1,651.16	
08 91	19 00-0210	EA	90" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	3,435.94	138.34
			Note: Includes bird screen.		
			For Flange Frame, Add	315.92	
			For Clear Lacquer Finish, Add	631.85	
			For Baked Enamel Standard Colors, Add	947.77	
			For Anodized Finish, Add	1,263.70	
			For Kynar® Standard Colors Finish, Add	1,737.58	
08 91	19 00-0211	EA	90" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	3,701.77	141.85
			Note: Includes bird screen.		
			For Flange Frame, Add	341.81	
			For Clear Lacquer Finish, Add	683.61	
			For Baked Enamel Standard Colors, Add	1,025.42	
			For Anodized Finish, Add	1,367.23	
			For Kynar® Standard Colors Finish, Add	1,879.94	
08 91	19 00-0212	EA	96" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	940.04	70.05
			Note: Includes bird screen.		
			For Flange Frame, Add	79.99	
			For Clear Lacquer Finish, Add	159.99	
			For Baked Enamel Standard Colors, Add	239.98	
			For Anodized Finish, Add	319.98	
			For Kynar® Standard Colors Finish, Add	439.97	
08 91	19 00-0213	EA	96" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,141.66	80.56
			Note: Includes bird screen.		
			For Flange Frame, Add	98.06	
			For Clear Lacquer Finish, Add	196.11	
			For Baked Enamel Standard Colors, Add	294.17	
			For Anodized Finish, Add	392.22	
			For Kynar® Standard Colors Finish, Add	539.30	
08 91	19 00-0214	EA	96" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,333.34	91.06
			Note: Includes bird screen.		
			For Flange Frame, Add	115.12	
			For Clear Lacquer Finish, Add	230.24	
			For Baked Enamel Standard Colors, Add	345.36	
			For Anodized Finish, Add	460.48	
			For Kynar® Standard Colors Finish, Add	633.17	
08 91	19 00-0215	EA	96" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,534.41	96.31
			Note: Includes bird screen.		
			For Flange Frame, Add	134.18	
			For Clear Lacquer Finish, Add	268.35	
			For Baked Enamel Standard Colors, Add	402.53	
			For Anodized Finish, Add	536.71	
			For Kynar® Standard Colors Finish, Add	737.97	
08 91	19 00-0216	EA	96" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,808.77	99.82
			Note: Includes bird screen.		
			For Flange Frame, Add	160.91	
			For Clear Lacquer Finish, Add	321.83	
			For Baked Enamel Standard Colors, Add	482.74	
			For Anodized Finish, Add	643.65	
			For Kynar® Standard Colors Finish, Add	885.02	
08 91	19 00-0217	EA	96" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	2,010.61	103.32
			Note: Includes bird screen.		
			For Flange Frame, Add	180.40	
			For Clear Lacquer Finish, Add	360.79	
			For Baked Enamel Standard Colors, Add	541.19	
			For Anodized Finish, Add	721.58	
			For Kynar® Standard Colors Finish, Add	992.18	
08 91	19 00-0218	EA	96" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	2,186.13	106.83
			Note: Includes bird screen.		
			For Flange Frame, Add	197.25	
			For Clear Lacquer Finish, Add	394.50	
			For Baked Enamel Standard Colors, Add	591.74	
			For Anodized Finish, Add	788.99	
			For Kynar® Standard Colors Finish, Add	1,084.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0219 EA 96" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,378.73	110.32
Note: Includes bird screen.		
For Flange Frame, Add	215.81	
For Clear Lacquer Finish, Add	431.61	
For Baked Enamel Standard Colors, Add	647.42	
For Anodized Finish, Add	863.23	
For Kynar® Standard Colors Finish, Add	1,186.94	
08 91 19 00-0220 EA 96" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,557.09	113.83
Note: Includes bird screen.		
For Flange Frame, Add	232.94	
For Clear Lacquer Finish, Add	465.89	
For Baked Enamel Standard Colors, Add	698.83	
For Anodized Finish, Add	931.77	
For Kynar® Standard Colors Finish, Add	1,281.19	
08 91 19 00-0221 EA 96" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,852.63	122.59
Note: Includes bird screen.		
For Flange Frame, Add	260.75	
For Clear Lacquer Finish, Add	521.49	
For Baked Enamel Standard Colors, Add	782.24	
For Anodized Finish, Add	1,042.98	
For Kynar® Standard Colors Finish, Add	1,434.10	
08 91 19 00-0222 EA 96" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,258.74	127.84
Note: Includes bird screen.		
For Flange Frame, Add	200.31	
For Clear Lacquer Finish, Add	400.61	
For Baked Enamel Standard Colors, Add	600.92	
For Anodized Finish, Add	801.22	
For Kynar® Standard Colors Finish, Add	1,101.68	
08 91 19 00-0223 EA 96" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	3,217.79	133.09
Note: Includes bird screen.		
For Flange Frame, Add	295.16	
For Clear Lacquer Finish, Add	590.32	
For Baked Enamel Standard Colors, Add	885.48	
For Anodized Finish, Add	1,180.64	
For Kynar® Standard Colors Finish, Add	1,623.39	
08 91 19 00-0224 EA 96" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	3,423.19	136.60
Note: Includes bird screen.		
For Flange Frame, Add	315.00	
For Clear Lacquer Finish, Add	630.00	
For Baked Enamel Standard Colors, Add	945.00	
For Anodized Finish, Add	1,260.00	
For Kynar® Standard Colors Finish, Add	1,732.50	
08 91 19 00-0225 EA 96" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	3,599.37	141.85
Note: Includes bird screen.		
For Flange Frame, Add	331.57	
For Clear Lacquer Finish, Add	663.13	
For Baked Enamel Standard Colors, Add	994.70	
For Anodized Finish, Add	1,326.27	
For Kynar® Standard Colors Finish, Add	1,823.62	
08 91 19 00-0226 EA 96" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	3,885.05	147.10
Note: Includes bird screen.		
For Flange Frame, Add	359.09	
For Clear Lacquer Finish, Add	718.17	
For Baked Enamel Standard Colors, Add	1,077.26	
For Anodized Finish, Add	1,436.34	
For Kynar® Standard Colors Finish, Add	1,974.97	
<b>08 91 19 00-0227 Fixed Hurricane Louvers</b> <small>(08 91 19)</small>		
08 91 19 00-0228 EA 24" x 24" x 5" Depth, Aluminum Hurricane Louvers (Greenheck EVH-501D).....	1,146.55	33.27
08 91 19 00-0229 EA 36" x 36" x 5" Depth, Aluminum Hurricane Louvers (Greenheck EVH-501D).....	1,701.47	53.24
08 91 19 00-0230 EA 48" x 48" x 5" Depth, Aluminum Hurricane Louvers (Greenheck EVH-501D).....	2,070.10	70.05
08 91 19 00-0231 EA 54" x 54" x 5" Depth, Aluminum Hurricane Louvers (Greenheck EVH-501D).....	2,363.11	80.56
08 91 19 00-0232 EA 60" x 60" x 5" Depth, Aluminum Hurricane Louvers (Greenheck EVH-501D).....	2,741.13	91.06
08 91 19 00-0233 EA 72" x 96" x 5" Depth, Aluminum Hurricane Louvers (Greenheck EVH-501D).....	4,435.68	127.84
<b>08 91 19 00-0234 Gable Louver Vents</b> <small>(08 91 19)</small>		
Note: 1" deep, residential/light commercial grade louvers.		
<b>08 91 19 00-0235 Aluminum Gable Louver Vents</b> <small>(08 91 19 00-0234)</small>		
Note: Includes screen.		
<b>08 91 19 00-0236 Rectangular Aluminum Gable Louver Vents</b> <small>(08 91 19 00-0235)</small>		
Note: Includes screen.		
08 91 19 00-0237 EA 12" x 18" Rectangular Fixed Aluminum Gable Louver Vent.....	143.79	3.74
08 91 19 00-0238 EA 12" x 24" Rectangular Fixed Aluminum Gable Louver Vent.....	156.80	4.28
08 91 19 00-0239 EA 18" x 24" Rectangular Fixed Aluminum Gable Louver Vent.....	181.18	4.84
08 91 19 00-0240 EA 18" x 30" Rectangular Fixed Aluminum Gable Louver Vent.....	199.12	5.15
08 91 19 00-0241 EA 24" x 30" Rectangular Fixed Aluminum Gable Louver Vent.....	228.39	5.45
08 91 19 00-0242 EA 24" x 36" Rectangular Fixed Aluminum Gable Louver Vent.....	254.36	6.53
08 91 19 00-0243 EA 30" x 36" Rectangular Fixed Aluminum Gable Louver Vent.....	293.32	8.17
08 91 19 00-0244 EA 30" x 42" Rectangular Fixed Aluminum Gable Louver Vent.....	325.79	9.53
08 91 19 00-0245 EA 36" x 42" Rectangular Fixed Aluminum Gable Louver Vent.....	371.25	11.45
08 91 19 00-0246 EA 42" x 48" Rectangular Fixed Aluminum Gable Louver Vent.....	462.14	15.25



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0247			<b>Square Aluminum Gable Louver Vents</b> (08 91 19 00-0235) Note: Includes screen.		
08 91 19 00-0248	EA		12" x 12" Square Fixed Aluminum Gable Louver Vent.....	131.56	3.44
08 91 19 00-0249	EA		18" x 18" Square Fixed Aluminum Gable Louver Vent.....	162.69	4.36
08 91 19 00-0250	EA		24" x 24" Square Fixed Aluminum Gable Louver Vent.....	204.78	5.15
08 91 19 00-0251	EA		30" x 30" Square Fixed Aluminum Gable Louver Vent.....	260.86	6.81
08 91 19 00-0252	EA		36" x 36" Square Fixed Aluminum Gable Louver Vent.....	332.28	9.80
08 91 19 00-0253	EA		42" x 42" Square Fixed Aluminum Gable Louver Vent.....	416.66	13.34
08 91 19 00-0254	EA		48" x 48" Square Fixed Aluminum Gable Louver Vent.....	514.09	17.43
08 91 19 00-0255			<b>Round Aluminum Gable Louver Vents</b> (08 91 19 00-0235) Note: Includes screen.		
08 91 19 00-0256	EA		12" Diameter Round Fixed Aluminum Gable Louver Vent.....	131.56	3.44
08 91 19 00-0257	EA		18" Diameter Round Fixed Aluminum Gable Louver Vent.....	162.69	4.36
08 91 19 00-0258	EA		24" Diameter Round Fixed Aluminum Gable Louver Vent.....	204.78	5.15
08 91 19 00-0259	EA		30" Diameter Round Fixed Aluminum Gable Louver Vent.....	260.86	6.81
08 91 19 00-0260	EA		36" Diameter Round Fixed Aluminum Gable Louver Vent.....	332.28	9.80
08 91 19 00-0261	EA		42" Diameter Round Fixed Aluminum Gable Louver Vent.....	416.69	13.35
08 91 19 00-0262			<b>Octagonal Aluminum Gable Louver Vents</b> (08 91 19 00-0235) Note: Includes screen.		
08 91 19 00-0263	EA		12" x 12" Octagonal Fixed Aluminum Gable Louver Vent.....	131.56	3.44
08 91 19 00-0264	EA		12" x 18" Octagonal Fixed Aluminum Gable Louver Vent.....	143.79	3.74
08 91 19 00-0265	EA		12" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	156.80	4.28
08 91 19 00-0266	EA		18" x 18" Octagonal Fixed Aluminum Gable Louver Vent.....	162.69	4.36
08 91 19 00-0267	EA		18" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	181.18	4.84
08 91 19 00-0268	EA		18" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	199.12	5.15
08 91 19 00-0269	EA		24" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	204.78	5.15
08 91 19 00-0270	EA		24" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	228.39	5.45
08 91 19 00-0271	EA		24" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	254.36	6.53
08 91 19 00-0272	EA		30" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	260.86	6.81
08 91 19 00-0273	EA		30" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	293.32	8.17
08 91 19 00-0274	EA		30" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	325.79	9.53
08 91 19 00-0275	EA		36" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	332.28	9.80
08 91 19 00-0276	EA		36" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	371.25	11.45
08 91 19 00-0277	EA		36" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	410.20	13.08
08 91 19 00-0278	EA		42" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	416.69	13.35
08 91 19 00-0279	EA		42" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	462.14	15.25
08 91 19 00-0280	EA		48" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	514.09	17.43
08 91 19 00-0281			<b>Round Top Aluminum Gable Louver Vents</b> (08 91 19 00-0235) Note: Includes screen.		
08 91 19 00-0282	EA		12" x 12" Round Top Fixed Aluminum Gable Louver Vent.....	131.56	3.44
08 91 19 00-0283	EA		12" x 18" Round Top Fixed Aluminum Gable Louver Vent.....	143.79	3.74
08 91 19 00-0284	EA		12" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	156.80	4.28
08 91 19 00-0285	EA		18" x 18" Round Top Fixed Aluminum Gable Louver Vent.....	162.69	4.36
08 91 19 00-0286	EA		18" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	181.18	4.84
08 91 19 00-0287	EA		18" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	199.12	5.15
08 91 19 00-0288	EA		24" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	204.78	5.15
08 91 19 00-0289	EA		24" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	228.39	5.45
08 91 19 00-0290	EA		24" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	254.36	6.53
08 91 19 00-0291	EA		30" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	260.86	6.81
08 91 19 00-0292	EA		30" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	293.32	8.17
08 91 19 00-0293	EA		30" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	325.79	9.53
08 91 19 00-0294	EA		36" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	332.28	9.80
08 91 19 00-0295	EA		36" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	371.25	11.45
08 91 19 00-0296	EA		36" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	410.20	13.08
08 91 19 00-0297	EA		42" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	416.69	13.35
08 91 19 00-0298	EA		42" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	462.14	15.25
08 91 19 00-0299	EA		48" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	514.09	17.43
08 91 19 00-0300			<b>Triangle Aluminum Gable Louver Vents</b> (08 91 19 00-0235) Note: Includes screen.		
08 91 19 00-0301	EA		36" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	281.65	4.28
08 91 19 00-0302	EA		36" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	318.28	5.15
08 91 19 00-0303	EA		48" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	341.89	5.45
08 91 19 00-0304	EA		48" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	390.57	6.53
08 91 19 00-0305	EA		48" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	436.79	6.81
08 91 19 00-0306	EA		60" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent.....	350.07	8.17
08 91 19 00-0307	EA		60" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	410.92	9.53
08 91 19 00-0308	EA		60" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	468.49	9.80
08 91 19 00-0309	EA		60" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	530.15	11.45
08 91 19 00-0310	EA		72" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent.....	410.20	13.08
08 91 19 00-0311	EA		72" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	479.12	13.35
08 91 19 00-0312	EA		72" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	552.94	15.25



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0313	EA		72" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	627.59	17.43
08 91 19 00-0314	EA		72" Base x 48" High Triangle Fixed Aluminum Gable Louver Vent.....	703.51	20.04
<b>08 91 19 00-0315 Vinyl Gable Louver Vents (08 91 19 00-0234)</b>					
Note: Includes screen.					
08 91 19 00-0316	EA		12" x 12" Square Fixed Vinyl Gable Louver Vent.....	36.53	3.44
08 91 19 00-0317	EA		12" x 18" Rectangular Fixed Vinyl Gable Louver Vent.....	45.29	3.74
08 91 19 00-0318	EA		18" x 24" Rectangular Fixed Vinyl Gable Louver Vent.....	62.50	4.84
08 91 19 00-0319	EA		24" x 30" Rectangular Fixed Vinyl Gable Louver Vent.....	88.82	5.45
08 91 19 00-0320	EA		18" Diameter Round Fixed Vinyl Gable Louver Vent.....	61.41	4.36
08 91 19 00-0321	EA		22" Diameter Round Fixed Vinyl Gable Louver Vent.....	70.66	5.15
08 91 19 00-0322	EA		30" Diameter Round Fixed Vinyl Gable Louver Vent.....	100.85	6.81
08 91 19 00-0323	EA		36" Diameter Round Fixed Vinyl Gable Louver Vent.....	147.79	9.80
08 91 19 00-0324	EA		18" x 18" Octagonal Fixed Vinyl Gable Louver Vent.....	61.41	4.36
08 91 19 00-0325	EA		22" x 22" Octagonal Fixed Vinyl Gable Louver Vent.....	69.76	4.84
08 91 19 00-0326	EA		27" x 27" Octagonal Fixed Vinyl Gable Louver Vent.....	92.17	5.45
08 91 19 00-0327	EA		32" x 32" Octagonal Fixed Vinyl Gable Louver Vent.....	129.71	8.17
08 91 19 00-0328	EA		40" x 40" Octagonal Fixed Vinyl Gable Louver Vent.....	325.54	13.08
08 91 19 00-0329	EA		14" x 22" Round Top Fixed Vinyl Gable Louver Vent.....	60.12	4.28
08 91 19 00-0330	EA		22" x 32" Round Top Fixed Vinyl Gable Louver Vent.....	85.24	5.45
08 91 19 00-0331	EA		34" x 22" Half Round Fixed Vinyl Gable Louver Vent.....	85.89	6.53
08 91 19 00-0332	EA		52" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent.....	215.67	8.17
08 91 19 00-0333	EA		56" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent.....	215.67	8.17
08 91 19 00-0334	EA		56" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent.....	215.67	8.17
08 91 19 00-0335	EA		62" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent.....	215.67	8.17
08 91 19 00-0336	EA		62-1/2" Base x 21" High Triangle Fixed Vinyl Gable Louver Vent.....	215.67	8.17
08 91 19 00-0337	EA		70-1/2" Base x 17" High Triangle Fixed Vinyl Gable Louver Vent.....	230.39	13.08
08 91 19 00-0338	EA		70-1/2" Base x 20-1/2" High Triangle Fixed Vinyl Gable Louver Vent.....	230.39	13.08
08 91 19 00-0339	EA		72-1/2" Base x 18" High Triangle Fixed Vinyl Gable Louver Vent.....	230.39	13.08
08 91 19 00-0340	EA		74" Base x 14-1/2" High Triangle Fixed Vinyl Gable Louver Vent.....	230.39	13.08
<b>08 91 19 00-0341 Wooden Gable Louver Vents (08 91 19 00-0234)</b>					
Note: Includes screen.					
<b>08 91 19 00-0342 Square Wooden Gable Louver Vents (08 91 19 00-0341)</b>					
Note: Includes screen.					
08 91 19 00-0343	EA		12" x 12" Square Fixed Wooden Cedar Gable Louver Vent.....	93.11	3.44
08 91 19 00-0344	EA		18" x 18" Square Fixed Wooden Cedar Gable Louver Vent.....	122.74	4.36
08 91 19 00-0345	EA		24" x 24" Square Fixed Wooden Cedar Gable Louver Vent.....	165.38	5.15
08 91 19 00-0346	EA		30" x 30" Square Fixed Wooden Cedar Gable Louver Vent.....	238.64	6.81
08 91 19 00-0347	EA		36" x 36" Square Fixed Wooden Cedar Gable Louver Vent.....	323.78	9.80
08 91 19 00-0348	EA		42" x 42" Square Fixed Wooden Cedar Gable Louver Vent.....	430.31	13.34
08 91 19 00-0349	EA		48" x 48" Square Fixed Wooden Cedar Gable Louver Vent.....	558.56	17.43
<b>08 91 19 00-0350 Rectangular Wooden Gable Louver Vents (08 91 19 00-0341)</b>					
Note: Includes screen.					
08 91 19 00-0351	EA		12" x 18" Rectangular Fixed Wooden Cedar Gable Louver Vent.....	105.49	3.74
08 91 19 00-0352	EA		12" x 24" Rectangular Fixed Wooden Cedar Gable Louver Vent.....	118.66	4.28
08 91 19 00-0353	EA		18" x 24" Rectangular Fixed Wooden Cedar Gable Louver Vent.....	140.84	4.84
08 91 19 00-0354	EA		18" x 30" Rectangular Fixed Wooden Cedar Gable Louver Vent.....	158.38	5.15
08 91 19 00-0355	EA		24" x 30" Rectangular Fixed Wooden Cedar Gable Louver Vent.....	188.84	5.45
08 91 19 00-0356	EA		24" x 36" Rectangular Fixed Wooden Cedar Gable Louver Vent.....	214.65	6.53
08 91 19 00-0357	EA		30" x 36" Rectangular Fixed Wooden Cedar Gable Louver Vent.....	274.42	8.17
08 91 19 00-0358	EA		30" x 42" Rectangular Fixed Wooden Cedar Gable Louver Vent.....	310.20	9.53
08 91 19 00-0359	EA		36" x 42" Rectangular Fixed Wooden Cedar Gable Louver Vent.....	367.79	11.45
08 91 19 00-0360	EA		42" x 48" Rectangular Fixed Wooden Cedar Gable Louver Vent.....	483.28	15.25
<b>08 91 19 00-0361 Round Wooden Gable Louver Vents (08 91 19 00-0341)</b>					
Note: Includes screen.					
08 91 19 00-0362	EA		12" Diameter Round Fixed Wooden Cedar Gable Louver Vent.....	81.06	3.44
08 91 19 00-0363	EA		18" Diameter Round Fixed Wooden Cedar Gable Louver Vent.....	154.63	4.36
08 91 19 00-0364	EA		24" Diameter Round Fixed Wooden Cedar Gable Louver Vent.....	236.60	5.15
08 91 19 00-0365	EA		30" Diameter Round Fixed Wooden Cedar Gable Louver Vent.....	312.50	6.81
08 91 19 00-0366	EA		36" Diameter Round Fixed Wooden Cedar Gable Louver Vent.....	413.48	9.80
08 91 19 00-0367	EA		42" Diameter Round Fixed Wooden Cedar Gable Louver Vent.....	523.86	13.35
<b>08 91 19 00-0368 Octagonal Wooden Gable Louver Vents (08 91 19 00-0341)</b>					
Note: Includes screen.					
08 91 19 00-0369	EA		12" x 12" Octagonal Fixed Wooden Cedar Gable Louver Vent.....	111.50	3.44
08 91 19 00-0370	EA		12" x 18" Octagonal Fixed Wooden Cedar Gable Louver Vent.....	123.89	3.74
08 91 19 00-0371	EA		12" x 24" Octagonal Fixed Wooden Cedar Gable Louver Vent.....	137.05	4.28
08 91 19 00-0372	EA		18" x 18" Octagonal Fixed Wooden Cedar Gable Louver Vent.....	141.14	4.36
08 91 19 00-0373	EA		18" x 24" Octagonal Fixed Wooden Cedar Gable Louver Vent.....	159.23	4.84
08 91 19 00-0374	EA		18" x 30" Octagonal Fixed Wooden Cedar Gable Louver Vent.....	176.77	5.15
08 91 19 00-0375	EA		24" x 24" Octagonal Fixed Wooden Cedar Gable Louver Vent.....	183.77	5.15
08 91 19 00-0376	EA		24" x 30" Octagonal Fixed Wooden Cedar Gable Louver Vent.....	207.23	5.45
08 91 19 00-0377	EA		24" x 36" Octagonal Fixed Wooden Cedar Gable Louver Vent.....	233.04	6.53

<b>08</b>	<b>Openings</b>
<b>08 90</b>	<b>Louvers And Vents</b>
<b>08 91</b>	<b>Louvers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0378	EA	30" x 30" Octagonal Fixed Wooden Cedar Gable Louver Vent.....	257.03	6.81
08 91	19 00-0379	EA	30" x 36" Octagonal Fixed Wooden Cedar Gable Louver Vent.....	292.81	8.17
08 91	19 00-0380	EA	30" x 42" Octagonal Fixed Wooden Cedar Gable Louver Vent.....	328.59	9.53
08 91	19 00-0381	EA	36" x 36" Octagonal Fixed Wooden Cedar Gable Louver Vent.....	342.18	9.80
08 91	19 00-0382	EA	36" x 42" Octagonal Fixed Wooden Cedar Gable Louver Vent.....	386.18	11.45
08 91	19 00-0383	EA	36" x 48" Octagonal Fixed Wooden Cedar Gable Louver Vent.....	430.18	13.08
08 91	19 00-0384	EA	42" x 42" Octagonal Fixed Wooden Cedar Gable Louver Vent.....	448.73	13.35
08 91	19 00-0385	EA	42" x 48" Octagonal Fixed Wooden Cedar Gable Louver Vent.....	501.67	15.25
08 91	19 00-0386	EA	48" x 48" Octagonal Fixed Wooden Cedar Gable Louver Vent.....	576.95	17.43
<b>08 91</b>	<b>19 00-0387</b>		<b>Round Top Wooden Gable Louver Vents (08 91 19 00-0341)</b>		
			Note: Includes screen.		
08 91	19 00-0388	EA	12" x 12" Round Top Fixed Wooden Cedar Gable Louver Vent.....	95.87	3.44
08 91	19 00-0389	EA	12" x 18" Round Top Fixed Wooden Cedar Gable Louver Vent.....	108.25	3.74
08 91	19 00-0390	EA	12" x 24" Round Top Fixed Wooden Cedar Gable Louver Vent.....	121.42	4.28
08 91	19 00-0391	EA	18" x 18" Round Top Fixed Wooden Cedar Gable Louver Vent.....	125.50	4.36
08 91	19 00-0392	EA	18" x 24" Round Top Fixed Wooden Cedar Gable Louver Vent.....	143.59	4.84
08 91	19 00-0393	EA	18" x 30" Round Top Fixed Wooden Cedar Gable Louver Vent.....	161.14	5.15
08 91	19 00-0394	EA	24" x 24" Round Top Fixed Wooden Cedar Gable Louver Vent.....	168.14	5.15
08 91	19 00-0395	EA	24" x 30" Round Top Fixed Wooden Cedar Gable Louver Vent.....	191.59	5.45
08 91	19 00-0396	EA	24" x 36" Round Top Fixed Wooden Cedar Gable Louver Vent.....	217.41	6.53
08 91	19 00-0397	EA	30" x 30" Round Top Fixed Wooden Cedar Gable Louver Vent.....	241.40	6.81
08 91	19 00-0398	EA	30" x 36" Round Top Fixed Wooden Cedar Gable Louver Vent.....	277.18	8.17
08 91	19 00-0399	EA	30" x 42" Round Top Fixed Wooden Cedar Gable Louver Vent.....	312.95	9.53
08 91	19 00-0400	EA	36" x 36" Round Top Fixed Wooden Cedar Gable Louver Vent.....	326.54	9.80
08 91	19 00-0401	EA	36" x 42" Round Top Fixed Wooden Cedar Gable Louver Vent.....	370.55	11.45
08 91	19 00-0402	EA	36" x 48" Round Top Fixed Wooden Cedar Gable Louver Vent.....	414.54	13.08
08 91	19 00-0403	EA	42" x 42" Round Top Fixed Wooden Cedar Gable Louver Vent.....	433.10	13.35
08 91	19 00-0404	EA	42" x 48" Round Top Fixed Wooden Cedar Gable Louver Vent.....	486.03	15.25
08 91	19 00-0405	EA	48" x 48" Round Top Fixed Wooden Cedar Gable Louver Vent.....	561.32	17.43
<b>08 91</b>	<b>19 00-0406</b>		<b>Triangle Wooden Gable Louver Vents (08 91 19 00-0341)</b>		
			Note: Includes screen.		
08 91	19 00-0407	EA	4' Base 6/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent.....	189.65	5.15
08 91	19 00-0408	EA	4' Base 7/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent.....	200.80	5.45
08 91	19 00-0409	EA	5' Base 5/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent.....	204.07	6.53
08 91	19 00-0410	EA	5' Base 6/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent.....	213.43	6.81
08 91	19 00-0411	EA	5' Base 7/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent.....	227.77	8.17
08 91	19 00-0412	EA	6' Base 4/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent.....	223.06	9.53
08 91	19 00-0413	EA	6' Base 5/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent.....	232.68	9.80
08 91	19 00-0414	EA	6' Base 6/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent.....	277.39	11.45
08 91	19 00-0415	EA	6' Base 7/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent.....	308.57	13.08
<b>08 91</b>	<b>19 00-0416</b>		<b>Composite Gable Louvers (08 91 19 00-0234)</b>		
<b>08 91</b>	<b>19 00-0417</b>		<b>Round Composite Gable Louvers (08 91 19 00-0416)</b>		
<b>08 91</b>	<b>19 00-0418</b>		<b>Round Composite Gable Louvers (08 91 19 00-0417)</b>		
08 91	19 00-0419	EA	12" Diameter, Functional, Round Composite Gable Louver.....	69.71	5.10
08 91	19 00-0420	EA	12" Diameter, Non Functional, Round Composite Gable Louver.....	63.64	5.10
08 91	19 00-0421	EA	18" Diameter, Functional, Round Composite Gable Louver.....	92.09	5.89
08 91	19 00-0422	EA	18" Diameter, Non Functional, Round Composite Gable Louver.....	83.83	5.89
08 91	19 00-0423	EA	24" Diameter, Functional, Round Composite Gable Louver.....	117.53	6.87
08 91	19 00-0424	EA	24" Diameter, Non Functional, Round Composite Gable Louver.....	106.82	6.87
<b>08 91</b>	<b>19 00-0425</b>		<b>Round Composite Gable Louvers With Keystones (08 91 19 00-0417)</b>		
08 91	19 00-0426	EA	18" Diameter, Functional, Round Composite Gable Louver With Keystones.....	170.08	5.89
08 91	19 00-0427	EA	18" Diameter, Non Functional, Round Composite Gable Louver With Keystones.....	161.89	5.89
08 91	19 00-0428	EA	24" Diameter, Functional, Round Composite Gable Louver With Keystones.....	178.87	6.87
08 91	19 00-0429	EA	24" Diameter, Non Functional, Round Composite Gable Louver With Keystones.....	171.85	6.87
<b>08 91</b>	<b>19 00-0430</b>		<b>Half Round Composite Gable Louvers (08 91 19 00-0416)</b>		
<b>08 91</b>	<b>19 00-0431</b>		<b>Half Round Composite Gable Louvers (08 91 19 00-0430)</b>		
08 91	19 00-0432	EA	24" Diameter, Functional, Half Round Composite Gable Louver.....	102.32	6.87
08 91	19 00-0433	EA	24" Diameter, Non Functional, Half Round Composite Gable Louver.....	96.31	6.87
08 91	19 00-0434	EA	36" Diameter, Functional, Half Round Composite Gable Louver.....	137.75	8.83
08 91	19 00-0435	EA	36" Diameter, Non Functional, Half Round Composite Gable Louver.....	127.24	8.83
<b>08 91</b>	<b>19 00-0436</b>		<b>Half Round Composite Gable Louvers With Keystones (08 91 19 00-0430)</b>		
08 91	19 00-0437	EA	36" Diameter, Functional, Half Round Composite Gable Louver With Keystones.....	206.80	8.83
08 91	19 00-0438	EA	36" Diameter, Non Functional, Half Round Composite Gable Louver With Keystones.....	185.46	8.83
<b>08 91</b>	<b>19 00-0439</b>		<b>Triangle Composite Gable Louvers (08 91 19 00-0416)</b>		



<b>Openings</b>	<b>08</b>	<b>08</b>
Louvers And Vents	08 90	
Louvers	08 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0440 EA 48" W x 10" H, Functional, Triangle, Composite Gable Louver.....	160.45	10.80
08 91 19 00-0441 EA 48" W x 10" H, Non Functional, Triangle, Composite Gable Louver.....	152.20	10.80
08 91 19 00-0442 EA 48" W x 12" H, Functional, Triangle Composite Gable Louver.....	166.17	11.78
08 91 19 00-0443 EA 48" W x 12" H, Non Functional, Triangle Composite Gable Louver.....	157.16	11.78
<b>08 91 19 00-0444 Octagon Composite Gable Louvers (08 91 19 00-0416)</b>		
08 91 19 00-0445 EA 12", Functional, Octagon Composite Gable Louver.....	108.17	5.10
08 91 19 00-0446 EA 12", Non Functional, Octagon Composite Gable Louver.....	105.32	5.10
08 91 19 00-0447 EA 18", Functional, Octagon Composite Gable Louver.....	85.34	5.89
08 91 19 00-0448 EA 18", Non Functional, Octagon Composite Gable Louver.....	80.83	5.89
<b>08 95 Vents (08 90)</b>		
<b>08 95 13 Soffit Vents (08 95)</b>		
<b>08 95 13 00-0001 Aluminum Soffit Vents (08 95 13)</b>		
08 95 13 00-0002 LF 2-1/2" Wide Aluminum Soffit Vent.....	4.48	1.61
08 95 13 00-0003 LF 3" Wide Aluminum Soffit Vent.....	8.02	3.15
08 95 13 00-0004 EA 4" x 16" Under Eave Vent, Mill Finish.....	13.14	4.20
08 95 13 00-0005 EA 8" x 16" Under Eave Vent, Mill Finish.....	13.63	4.20
<b>08 95 13 00-0006 Vinyl Soffit Vents (08 95 13)</b>		
08 95 13 00-0007 LF Up To 2" Vinyl Soffit Vent, Perforated, White.....	3.30	1.32
For Colors, Add	0.07	
08 95 13 00-0008 LF 3" To 4" Vinyl Soffit Vent, Perforated, White.....	3.22	1.32
For Colors, Add	0.06	
<b>08 95 16 Wall Vents (08 95)</b>		
<b>08 95 16 00-0001 Foundation Vents (08 95 16)</b>		
08 95 16 00-0002 SI Galvanized Steel Foundation Vent.....	0.31	0.10
08 95 16 00-0003 SI Aluminum Foundation Vent.....	0.49	0.10
08 95 16 00-0004 SI Stainless Steel Foundation Vent.....	0.59	0.10
08 95 16 00-0005 SI Plastic Foundation Vent.....	0.24	0.10

**END OF SECTION 08**



**08 Openings**

08 90 Louvers And Vents

08 95 Vents



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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<b>Finishes</b>	<b>09</b>	<b>2</b>
<b>Maintenance Of Finishes</b>	<b>09 01</b>	
<b>Maintenance Of Plaster And Gypsum Board</b>	<b>09 01 20</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 09 Finishes

### 09 01 Maintenance Of Finishes (09)

#### 09 01 20 Maintenance Of Plaster And Gypsum Board (09 01)

##### 09 01 20 91 Plaster Restoration (09 01 20)

09 01 20 91-0001		<b>Cut And Patch Hole In Gypsum Board To Match Existing</b> <small>(09 01 20 91)</small>	
		Note: Includes cutting of existing gypsum board, cutting new board to fit opening, finishing, and disposal of debris into dumpster. Per location. See CSI section 09 29 00 00-0000 for "Gypsum Board" repairs > 32 SF.	
09 01 20 91-0002	SF	Up To 2 SF, Cut And Patch Hole In Gypsum Board To Match Existing.....	9.42
		Note: Per location.	
09 01 20 91-0003	SF	>2 To 4 SF, Cut And Patch Hole In Gypsum Board To Match Existing.....	7.66
		Note: Per location.	
09 01 20 91-0004	SF	>4 To 8 SF, Cut And Patch Hole In Gypsum Board To Match Existing.....	6.91
		Note: Per location.	
09 01 20 91-0005	SF	>8 To 16 SF, Cut And Patch Hole In Gypsum Board To Match Existing.....	6.12
		Note: Per location.	
09 01 20 91-0006	SF	>16 To 32 SF, Cut And Patch Hole In Gypsum Board To Match Existing.....	5.51
		Note: Per location. See CSI section 09 29 10 00-0001 for "Gypsum Board" repairs > 32 SF.	
09 01 20 91-0007		<b>Plaster/Stucco Repair</b> <small>(09 01 20 91)</small>	
		Note: Per location.	
09 01 20 91-0008		<b>Clean And Repair Crack In Plaster/Stucco</b> <small>(09 01 20 91-0007)</small>	
		Note: Includes plaster weld.	
09 01 20 91-0009	LF	Up To 10', Chip, Clean And Repair Crack In Plaster/Stucco.....	8.97
09 01 20 91-0010	LF	>10' To 50', Chip, Clean And Repair Crack In Plaster/Stucco.....	7.21
09 01 20 91-0011	LF	>50' To 100', Chip, Clean And Repair Crack In Plaster/Stucco.....	5.89
09 01 20 91-0012	LF	>100' To 250', Chip, Clean And Repair Crack In Plaster/Stucco.....	4.57
09 01 20 91-0013	LF	>250' To 500', Chip, Clean And Repair Crack In Plaster/Stucco.....	3.68
09 01 20 91-0014	LF	>500', Chip, Clean And Repair Crack In Plaster/Stucco.....	2.80
09 01 20 91-0015		<b>Cut And Patch Hole In Plaster To Match Existing</b> <small>(09 01 20 91-0007)</small>	
		Note: Includes plaster weld.	
09 01 20 91-0016	SF	Up To 10 SF, Cut And Patch Hole In Plaster To Match Existing.....	8.76
09 01 20 91-0017	SF	>10 To 50 SF, Cut And Patch Hole In Plaster To Match Existing.....	7.79
09 01 20 91-0018	SF	>50 To 100 SF, Cut And Patch Hole In Plaster To Match Existing.....	7.20
09 01 20 91-0019	SF	>100 To 250 SF, Cut And Patch Hole In Plaster To Match Existing.....	6.70
09 01 20 91-0020	SF	>250 To 500 SF, Cut And Patch Hole In Plaster To Match Existing.....	6.27
09 01 20 91-0021	SF	>500 SF, Cut And Patch Hole In Plaster To Match Existing.....	5.80
09 01 20 91-0022		<b>Chip, Clean And Repair Plaster/Stucco</b> <small>(09 01 20 91-0007)</small>	
		Note: Includes plaster weld.	
09 01 20 91-0023	SF	Up To 10 SF, Chip, Clean And Repair Plaster/Stucco.....	16.34
09 01 20 91-0024	SF	>10 To 50 SF, Chip, Clean And Repair Plaster/Stucco.....	11.92
09 01 20 91-0025	SF	>50 To 250 SF, Chip, Clean And Repair Plaster/Stucco.....	8.84
09 01 20 91-0026	SF	>250 SF, Chip, Clean And Repair Plaster/Stucco.....	7.07

#### 09 01 30 Maintenance of Tiling (09 01)

##### 09 01 30 91 Tile Restoration (09 01 30)

09 01 30 91-0001	SF	RegROUT Floor Tile Including Removal Of Loose Grout.....	3.80
09 01 30 91-0002	SF	RegROUT Wall Tile Including Removal Of Loose Grout.....	4.73
09 01 30 91-0003	SF	Up To 1 SF, Cut And Patch Hole In Wall Tile To Match Existing.....	28.60
		Note: Per location.	

#### 09 01 60 Maintenance Of Flooring (09 01)

##### 09 01 60 91 Flooring Restoration (09 01 60)

09 01 60 91-0001		<b>Grinding, Polishing And Sealing Terrazzo</b> <small>(09 01 60 91)</small>	
09 01 60 91-0002	CSF	Grinding, Polishing And Sealing Existing Terrazzo.....	169.28
09 01 60 91-0003	SF	Removal Of Setting Bed And Clean Area For Terrazzo Repair.....	2.28
09 01 60 91-0004	SF	Repair Existing Terrazzo.....	16.93
09 01 60 91-0005	LF	Repair Cracks In Existing Terrazzo.....	2.84
09 01 60 91-0006		<b>Standard Flooring Maintenance</b> <small>(09 01 60 91)</small>	
09 01 60 91-0007	CSF	Steam Clean Carpet.....	20.87
		For Up To 1, Add	9.74
		For >1 To 5, Add	3.90

**09 Finishes****09 01 Maintenance Of Finishes****09 01 60 Maintenance Of Flooring**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 60 91-0008	CSF		Wax And Polish Tile And VCT Flooring .....	23.63	
			<i>For Up To 1, Add</i>	10.43	
			<i>For &gt;1 To 5, Add</i>	4.17	
			<i>For Additional Coat, Add</i>	20.01	
			<i>For Stripping Existing Wax From Floor, Add</i>	22.84	
09 01 60 91-0009	CSF		Wax And Polish Wood Flooring .....	15.47	
			<i>For Up To 1, Add</i>	5.88	
			<i>For &gt;1 To 5, Add</i>	2.35	
			<i>For Additional Coat, Add</i>	13.86	
			<i>For Stripping Existing Wax From Floor, Add</i>	22.84	
09 01 60 91-0010	MSF		Vacuum Floors.....	11.25	
<b>09 01 60 91-0011</b>			<b>Prepare Existing Concrete Floor Prior To Installation Of Carpet (09 01 60 91)</b>		
09 01 60 91-0012	SY		Grinding Of Existing Concrete Floor Prior To Installation Of Carpet .....	6.85	
09 01 60 91-0013	SY		Chemical Prepare Existing Concrete Floor Prior To Installation Of Carpet.....	4.42	
<b>09 01 60 91-0014</b>			<b>Masonry/Tile/Stone/Terrazzo Floor Sealants (09 01 60 91)</b>		
09 01 60 91-0015	SF		Water-Based Emulsion Masonry/Tile/Stone/Terrazzo Floor Sealant/Finish, Per Coat.....	0.68	
			Note: For terrazzo, concrete, quarry tile, brick and unglazed ceramic tile.		
09 01 60 91-0016	SF		Fluorochemical Acrylate Copolymer Masonry/Tile/Stone/Terrazzo Floor Sealant .....	0.91	
09 01 60 91-0017	GAL		Masonry/Tile/Stone/Terrazzo Floor Sealant (Extra To Be Provided To Owner).....	33.79	
<b>09 01 80 Maintenance Of Acoustic Treatment (09 01)</b>					
09 01 80 00-0001			<b>Removal Of Acoustical Ceiling Treatment (09 01 80)</b>		
09 01 80 00-0002	SF		Removal Of Acoustical And Popcorn Ceilings Treatment.....	1.13	
<b>09 20 Plaster And Gypsum Board (09)</b>					
<b>09 22 Supports For Plaster And Gypsum Board (09 20)</b>					
			Note: Per SF of wall area measures one side. Do not deduct for opens of less than 25 SF when calculating total wall square footage.		
<b>09 22 13 Metal Furring (09 22)</b>					
<b>09 22 13 13 Metal Channel Furring (09 22 13)</b>					
09 22 13 13-0001			<b>Hat Furring Channel (09 22 13 13)</b>		
			Note: Includes clips where required.		
09 22 13 13-0002			<b>Installed On Walls, Hat Furring Channel (09 22 13 13-0001)</b>		
09 22 13 13-0003	SF		7/8", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel .....	1.70	0.63
			<i>For Walls &gt;10' High, Add</i>	0.19	
			<i>For 24" On Center, Deduct</i>	-0.22	
			<i>For 12" On Center, Add</i>	0.28	
			<i>For 22 Gauge, Add</i>	0.23	
			<i>For 20 Gauge, Add</i>	0.48	
09 22 13 13-0004	SF		1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel .....	1.87	0.63
			<i>For Walls &gt;10' High, Add</i>	0.19	
			<i>For 24" On Center, Deduct</i>	-0.25	
			<i>For 12" On Center, Add</i>	0.31	
			<i>For 22 Gauge, Add</i>	0.31	
			<i>For 20 Gauge, Add</i>	0.60	
09 22 13 13-0005			<b>Installed On Columns And Beams, Hat Furring Channel (09 22 13 13-0001)</b>		
09 22 13 13-0006	SF		7/8", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel .....	2.38	0.96
			<i>For Columns And Beams &gt;10' High, Add</i>	0.39	
			<i>For 24" On Center, Deduct</i>	-0.28	
			<i>For 12" On Center, Add</i>	0.38	
			<i>For 22 Gauge, Add</i>	0.23	
			<i>For 20 Gauge, Add</i>	0.59	
09 22 13 13-0007	SF		1-1/2", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel .....	2.55	0.96
			<i>For Columns And Beams &gt;10' High, Add</i>	0.39	
			<i>For 24" On Center, Deduct</i>	-0.32	
			<i>For 12" On Center, Add</i>	0.41	
			<i>For 22 Gauge, Add</i>	0.31	
			<i>For 20 Gauge, Add</i>	0.70	
09 22 13 13-0008			<b>Installed On Ceilings, Hat Furring Channel (09 22 13 13-0001)</b>		
09 22 13 13-0009	SF		7/8", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel .....	2.29	0.77
			<i>For Ceilings &gt;10' High, Add</i>	0.23	
			<i>For 24" On Center, Deduct</i>	-0.30	
			<i>For 12" On Center, Add</i>	0.38	
			<i>For 22 Gauge, Add</i>	0.37	
			<i>For 20 Gauge, Add</i>	0.72	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Plaster And Gypsum Board	09 20	
Supports For Plaster And Gypsum Board	09 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 13 13-0010 SF 1-1/2", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel.....	2.46	0.77
For Ceilings >10' High, Add	0.23	
For 24" On Center, Deduct	-0.34	
For 12" On Center, Add	0.41	
For 22 Gauge, Add	0.46	
For 20 Gauge, Add	0.83	
<b>09 22 13 13-0011 Z Furring Channel</b> (09 22 13 13)		
<b>09 22 13 13-0012 Installed On Walls, Z Furring Channel</b> (09 22 13 13-0011)		
09 22 13 13-0013 SF 1", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel .....	1.43	0.63
For Walls >10' High, Add	0.19	
For 24" On Center, Deduct	-0.16	
For 12" On Center, Add	0.22	
For 22 Gauge, Add	0.09	
For 20 Gauge, Add	0.31	
09 22 13 13-0014 SF 1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel .....	1.46	0.63
For Walls >10' High, Add	0.19	
For 24" On Center, Deduct	-0.17	
For 12" On Center, Add	0.23	
For 22 Gauge, Add	0.11	
For 20 Gauge, Add	0.33	
09 22 13 13-0015 SF 2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel .....	1.49	0.63
For Walls >10' High, Add	0.19	
For 24" On Center, Deduct	-0.17	
For 12" On Center, Add	0.24	
For 22 Gauge, Add	0.12	
For 20 Gauge, Add	0.35	
09 22 13 13-0016 SF 2-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel .....	1.52	0.63
For Walls >10' High, Add	0.19	
For 24" On Center, Deduct	-0.18	
For 12" On Center, Add	0.24	
For 22 Gauge, Add	0.14	
For 20 Gauge, Add	0.37	
09 22 13 13-0017 SF 3", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel .....	1.54	0.63
For Walls >10' High, Add	0.19	
For 24" On Center, Deduct	-0.18	
For 12" On Center, Add	0.25	
For 22 Gauge, Add	0.15	
For 20 Gauge, Add	0.38	
<b>09 22 13 23 Resilient Channel Furring</b> (09 22 13)		
<b>09 22 13 23-0001 Single-Leg Resilient Channel, RC1 Furring Channel</b> (09 22 13 23)		
Note: Includes clips where required.		
<b>09 22 13 23-0002 Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel</b> (09 22 13 23-0001)		
09 22 13 23-0003 SF 25 Gauge, 16" On Center, Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel.....	1.63	0.63
For Walls >10' High, Add	0.19	
For 24" On Center, Deduct	-0.20	
For 12" On Center, Add	0.26	
For 20 Gauge, Add	0.44	
<b>09 22 13 23-0004 Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel</b> (09 22 13 23-0001)		
09 22 13 23-0005 SF 25 Gauge, 16" On Center, Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel.....	1.93	0.77
For Ceilings >10' High, Add	0.23	
For 24" On Center, Deduct	-0.23	
For 12" On Center, Add	0.31	
For 20 Gauge, Add	0.48	
<b>09 22 13 23-0006 Double-Leg Resilient Channel, RC2 Furring Channel</b> (09 22 13 23)		
Note: Includes clips where required.		
<b>09 22 13 23-0007 Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel</b> (09 22 13 23-0006)		
09 22 13 23-0008 SF 25 Gauge, 16" On Center, Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel .....	1.77	0.63
For Walls >10' High, Add	0.19	
For 24" On Center, Deduct	-0.23	
For 12" On Center, Add	0.29	
For 20 Gauge, Add	0.53	
<b>09 22 13 23-0009 Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel</b> (09 22 13 23-0006)		
09 22 13 23-0010 SF 25 Gauge, 16" On Center, Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel .....	2.07	0.77
For Ceilings >10' High, Add	0.23	
For 24" On Center, Deduct	-0.26	
For 12" On Center, Add	0.34	
For 20 Gauge, Add	0.58	

**09 Finishes**

**09 20 Plaster And Gypsum Board**

**09 22 Supports For Plaster And Gypsum Board**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**09 22 16 Non-Structural Metal Framing** (09 22)

Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.

**09 22 16 13 Non-Structural Metal Stud Framing** (09 22 16)

09 22 16 13-0001	25 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners <small>(09 22 16 13)</small>		
09 22 16 13-0002	SF 1-5/8" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	1.16	0.26
	For Powder-Actuated Fasteners Every 2', Add	0.02	
	For Walls >10' High, Add	0.23	
	For Soffit, Columns Or Beams Up To 10' High, Add	0.64	
	For Soffit, Columns Or Beams >10' High, Add	0.84	
	For Horizontal Installation Up To 10' High, Add	0.22	
	For Horizontal Installation >10' High, Add	0.28	
	For Curved Wall, Add	0.20	
	For 12" On Center, Add	0.20	
	For 24" On Center, Deduct	-0.20	
	For Up To 100, Add	0.36	
	For >100 To 300, Add	0.18	
	For >1,000, Deduct	-0.11	
09 22 16 13-0003	SF 2-1/2" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	1.24	0.27
	For Powder-Actuated Fasteners Every 2', Add	0.02	
	For Walls >10' High, Add	0.25	
	For Soffit, Columns Or Beams Up To 10' High, Add	0.68	
	For Soffit, Columns Or Beams >10' High, Add	0.88	
	For Horizontal Installation Up To 10' High, Add	0.23	
	For Horizontal Installation >10' High, Add	0.30	
	For Curved Wall, Add	0.21	
	For 12" On Center, Add	0.21	
	For 24" On Center, Deduct	-0.21	
	For Up To 100, Add	0.39	
	For >100 To 300, Add	0.19	
	For >1,000, Deduct	-0.12	
09 22 16 13-0004	SF 3-5/8" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	1.36	0.28
	For Powder-Actuated Fasteners Every 2', Add	0.02	
	For Walls >10' High, Add	0.27	
	For Soffit, Columns Or Beams Up To 10' High, Add	0.71	
	For Soffit, Columns Or Beams >10' High, Add	0.93	
	For Horizontal Installation Up To 10' High, Add	0.24	
	For Horizontal Installation >10' High, Add	0.32	
	For Curved Wall, Add	0.22	
	For 12" On Center, Add	0.24	
	For 24" On Center, Deduct	-0.24	
	For Up To 100, Add	0.42	
	For >100 To 300, Add	0.21	
	For >1,000, Deduct	-0.13	
09 22 16 13-0005	SF 4" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	1.46	0.30
	For Powder-Actuated Fasteners Every 2', Add	0.02	
	For Walls >10' High, Add	0.29	
	For Soffit, Columns Or Beams Up To 10' High, Add	0.75	
	For Soffit, Columns Or Beams >10' High, Add	0.97	
	For Horizontal Installation Up To 10' High, Add	0.26	
	For Horizontal Installation >10' High, Add	0.33	
	For Curved Wall, Add	0.23	
	For 12" On Center, Add	0.25	
	For 24" On Center, Deduct	-0.25	
	For Up To 100, Add	0.44	
	For >100 To 300, Add	0.22	
	For >1,000, Deduct	-0.14	
09 22 16 13-0006	SF 6" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	1.65	0.31
	For Powder-Actuated Fasteners Every 2', Add	0.02	
	For Walls >10' High, Add	0.33	
	For Soffit, Columns Or Beams Up To 10' High, Add	0.80	
	For Soffit, Columns Or Beams >10' High, Add	1.03	
	For Horizontal Installation Up To 10' High, Add	0.28	
	For Horizontal Installation >10' High, Add	0.36	
	For Curved Wall, Add	0.24	
	For 12" On Center, Add	0.29	
	For 24" On Center, Deduct	-0.29	
	For Up To 100, Add	0.49	
	For >100 To 300, Add	0.24	
	For >1,000, Deduct	-0.17	

09 22 16 13-0007 20 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners (09 22 16 13)



<b>Finishes</b>	<b>09</b>	<b>2</b>
Plaster And Gypsum Board	09 20	
Supports For Plaster And Gypsum Board	09 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0008 SF 1-5/8" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	1.33	0.26
For Powder-Actuated Fasteners Every 2', Add	0.02	
For Walls >10' High, Add	0.27	
For Soffit, Columns Or Beams Up To 10' High, Add	0.67	
For Soffit, Columns Or Beams >10' High, Add	0.87	
For Horizontal Installation Up To 10' High, Add	0.23	
For Horizontal Installation >10' High, Add	0.30	
For Curved Wall, Add	0.20	
For 12" On Center, Add	0.23	
For 24" On Center, Deduct	-0.23	
For Up To 100, Add	0.40	
For >100 To 300, Add	0.20	
For >1,000, Deduct	-0.13	
09 22 16 13-0009 SF 2-1/2" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	1.48	0.28
For Powder-Actuated Fasteners Every 2', Add	0.02	
For Walls >10' High, Add	0.30	
For Soffit, Columns Or Beams Up To 10' High, Add	0.71	
For Soffit, Columns Or Beams >10' High, Add	0.92	
For Horizontal Installation Up To 10' High, Add	0.25	
For Horizontal Installation >10' High, Add	0.32	
For Curved Wall, Add	0.21	
For 12" On Center, Add	0.26	
For 24" On Center, Deduct	-0.26	
For Up To 100, Add	0.44	
For >100 To 300, Add	0.22	
For >1,000, Deduct	-0.15	
09 22 16 13-0010 SF 3-5/8" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	1.66	0.29
For Powder-Actuated Fasteners Every 2', Add	0.02	
For Walls >10' High, Add	0.33	
For Soffit, Columns Or Beams Up To 10' High, Add	0.76	
For Soffit, Columns Or Beams >10' High, Add	0.98	
For Horizontal Installation Up To 10' High, Add	0.28	
For Horizontal Installation >10' High, Add	0.35	
For Curved Wall, Add	0.22	
For 12" On Center, Add	0.30	
For 24" On Center, Deduct	-0.30	
For Up To 100, Add	0.48	
For >100 To 300, Add	0.24	
For >1,000, Deduct	-0.18	
09 22 16 13-0011 SF 4" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	1.76	0.31
For Powder-Actuated Fasteners Every 2', Add	0.02	
For Walls >10' High, Add	0.35	
For Soffit, Columns Or Beams Up To 10' High, Add	0.79	
For Soffit, Columns Or Beams >10' High, Add	1.02	
For Horizontal Installation Up To 10' High, Add	0.29	
For Horizontal Installation >10' High, Add	0.37	
For Curved Wall, Add	0.23	
For 12" On Center, Add	0.31	
For 24" On Center, Deduct	-0.31	
For Up To 100, Add	0.51	
For >100 To 300, Add	0.25	
For >1,000, Deduct	-0.19	
09 22 16 13-0012 SF 6" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	2.58	0.32
For Powder-Actuated Fasteners Every 2', Add	0.02	
For Walls >10' High, Add	0.52	
For Soffit, Columns Or Beams Up To 10' High, Add	0.91	
For Soffit, Columns Or Beams >10' High, Add	1.15	
For Horizontal Installation Up To 10' High, Add	0.38	
For Horizontal Installation >10' High, Add	0.46	
For Curved Wall, Add	0.24	
For 12" On Center, Add	0.48	
For 24" On Center, Deduct	-0.48	
For Up To 100, Add	0.68	
For >100 To 300, Add	0.34	
For >1,000, Deduct	-0.31	

09 22 16 13-0013 18 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners (09 22 16 13)

**09 Finishes**

**09 20 Plaster And Gypsum Board**

**09 22 Supports For Plaster And Gypsum Board**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0014	SF		2-1/2" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	2.16	0.28
			<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.02	
			<i>For Walls &gt;10' High, Add</i>	0.43	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	0.79	
			<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	1.01	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.32	
			<i>For Horizontal Installation &gt;10' High, Add</i>	0.40	
			<i>For Curved Wall, Add</i>	0.22	
			<i>For 12" On Center, Add</i>	0.40	
			<i>For 24" On Center, Deduct</i>	-0.40	
			<i>For Up To 100, Add</i>	0.58	
			<i>For &gt;100 To 300, Add</i>	0.29	
			<i>For &gt;1,000, Deduct</i>	-0.25	
09 22 16 13-0015	SF		3-5/8" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	2.41	0.30
			<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.02	
			<i>For Walls &gt;10' High, Add</i>	0.48	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	0.85	
			<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	1.08	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.36	
			<i>For Horizontal Installation &gt;10' High, Add</i>	0.43	
			<i>For Curved Wall, Add</i>	0.23	
			<i>For 12" On Center, Add</i>	0.44	
			<i>For 24" On Center, Deduct</i>	-0.44	
			<i>For Up To 100, Add</i>	0.63	
			<i>For &gt;100 To 300, Add</i>	0.32	
			<i>For &gt;1,000, Deduct</i>	-0.29	
09 22 16 13-0016	SF		4" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	2.59	0.31
			<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.02	
			<i>For Walls &gt;10' High, Add</i>	0.52	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	0.89	
			<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	1.13	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.38	
			<i>For Horizontal Installation &gt;10' High, Add</i>	0.46	
			<i>For Curved Wall, Add</i>	0.24	
			<i>For 12" On Center, Add</i>	0.48	
			<i>For 24" On Center, Deduct</i>	-0.48	
			<i>For Up To 100, Add</i>	0.68	
			<i>For &gt;100 To 300, Add</i>	0.34	
			<i>For &gt;1,000, Deduct</i>	-0.31	
09 22 16 13-0017	SF		6" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	3.47	0.33
			<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.02	
			<i>For Walls &gt;10' High, Add</i>	0.69	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	1.01	
			<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	1.26	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.47	
			<i>For Horizontal Installation &gt;10' High, Add</i>	0.55	
			<i>For Curved Wall, Add</i>	0.25	
			<i>For 12" On Center, Add</i>	0.65	
			<i>For 24" On Center, Deduct</i>	-0.65	
			<i>For Up To 100, Add</i>	0.86	
			<i>For &gt;100 To 300, Add</i>	0.43	
			<i>For &gt;1,000, Deduct</i>	-0.44	
09 22 16 13-0018	SF		8" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners	3.80	0.35
			<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.02	
			<i>For Walls &gt;10' High, Add</i>	0.76	
			<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	1.08	
			<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	1.34	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.51	
			<i>For Horizontal Installation &gt;10' High, Add</i>	0.60	
			<i>For Curved Wall, Add</i>	0.26	
			<i>For 12" On Center, Add</i>	0.72	
			<i>For 24" On Center, Deduct</i>	-0.72	
			<i>For Up To 100, Add</i>	0.93	
			<i>For &gt;100 To 300, Add</i>	0.47	
			<i>For &gt;1,000, Deduct</i>	-0.48	

09 22 16 13-0019 16 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners (09 22 16 13)



<b>Finishes</b>	<b>09</b>
Plaster And Gypsum Board	09 20
Supports For Plaster And Gypsum Board	09 22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0020	SF		2-1/2" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	2.31	0.29
			For Powder-Actuated Fasteners Every 2', Add	0.02	
			For Walls >10' High, Add	0.46	
			For Soffit, Columns Or Beams Up To 10' High, Add	0.82	
			For Soffit, Columns Or Beams >10' High, Add	1.05	
			For Horizontal Installation Up To 10' High, Add	0.34	
			For Horizontal Installation >10' High, Add	0.42	
			For Curved Wall, Add	0.22	
			For 12" On Center, Add	0.43	
			For 24" On Center, Deduct	-0.43	
			For Up To 100, Add	0.61	
			For >100 To 300, Add	0.31	
			For >1,000, Deduct	-0.27	
09 22 16 13-0021	SF		3-5/8" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	2.76	0.31
			For Powder-Actuated Fasteners Every 2', Add	0.02	
			For Walls >10' High, Add	0.55	
			For Soffit, Columns Or Beams Up To 10' High, Add	0.89	
			For Soffit, Columns Or Beams >10' High, Add	1.12	
			For Horizontal Installation Up To 10' High, Add	0.39	
			For Horizontal Installation >10' High, Add	0.47	
			For Curved Wall, Add	0.23	
			For 12" On Center, Add	0.51	
			For 24" On Center, Deduct	-0.51	
			For Up To 100, Add	0.71	
			For >100 To 300, Add	0.35	
			For >1,000, Deduct	-0.34	
09 22 16 13-0022	SF		4" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	2.92	0.32
			For Powder-Actuated Fasteners Every 2', Add	0.02	
			For Walls >10' High, Add	0.58	
			For Soffit, Columns Or Beams Up To 10' High, Add	0.94	
			For Soffit, Columns Or Beams >10' High, Add	1.18	
			For Horizontal Installation Up To 10' High, Add	0.41	
			For Horizontal Installation >10' High, Add	0.49	
			For Curved Wall, Add	0.24	
			For 12" On Center, Add	0.54	
			For 24" On Center, Deduct	-0.54	
			For Up To 100, Add	0.75	
			For >100 To 300, Add	0.37	
			For >1,000, Deduct	-0.36	
09 22 16 13-0023	SF		6" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	3.77	0.34
			For Powder-Actuated Fasteners Every 2', Add	0.02	
			For Walls >10' High, Add	0.75	
			For Soffit, Columns Or Beams Up To 10' High, Add	1.06	
			For Soffit, Columns Or Beams >10' High, Add	1.31	
			For Horizontal Installation Up To 10' High, Add	0.50	
			For Horizontal Installation >10' High, Add	0.59	
			For Curved Wall, Add	0.26	
			For 12" On Center, Add	0.71	
			For 24" On Center, Deduct	-0.71	
			For Up To 100, Add	0.92	
			For >100 To 300, Add	0.46	
			For >1,000, Deduct	-0.48	
09 22 16 13-0024	SF		8" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural Metal Stud Framing With Tracks And Runners.....	4.18	0.36
			For Powder-Actuated Fasteners Every 2', Add	0.02	
			For Walls >10' High, Add	0.84	
			For Soffit, Columns Or Beams Up To 10' High, Add	1.14	
			For Soffit, Columns Or Beams >10' High, Add	1.41	
			For Horizontal Installation Up To 10' High, Add	0.55	
			For Horizontal Installation >10' High, Add	0.64	
			For Curved Wall, Add	0.27	
			For 12" On Center, Add	0.79	
			For 24" On Center, Deduct	-0.79	
			For Up To 100, Add	1.02	
			For >100 To 300, Add	0.51	
			For >1,000, Deduct	-0.54	
09 22 16 13-0025			<b>Galvanized Steel Backing Plates</b> <small>(09 22 16 13)</small>		
			Note: Used to attach fixtures, cabinets, shelves or handrails to metal stud walls.		
09 22 16 13-0026	LF		3" Wide, 25 Gauge Galvanized Steel Backing Plate.....	0.67	
09 22 16 13-0027	LF		4" Wide, 25 Gauge Galvanized Steel Backing Plate.....	0.82	
09 22 16 13-0028	LF		6" Wide, 25 Gauge Galvanized Steel Backing Plate.....	1.10	
09 22 16 13-0029	LF		8" Wide, 25 Gauge Galvanized Steel Backing Plate.....	1.39	
09 22 16 13-0030	LF		10" Wide, 25 Gauge Galvanized Steel Backing Plate.....	1.66	
09 22 16 13-0031	LF		12" Wide, 25 Gauge Galvanized Steel Backing Plate.....	1.99	
09 22 16 13-0032	LF		3" Wide, 20 Gauge Galvanized Steel Backing Plate.....	0.92	
09 22 16 13-0033	LF		4" Wide, 20 Gauge Galvanized Steel Backing Plate.....	1.15	
09 22 16 13-0034	LF		6" Wide, 20 Gauge Galvanized Steel Backing Plate.....	1.58	
09 22 16 13-0035	LF		8" Wide, 20 Gauge Galvanized Steel Backing Plate.....	2.02	
09 22 16 13-0036	LF		10" Wide, 20 Gauge Galvanized Steel Backing Plate.....	2.47	
09 22 16 13-0037	LF		12" Wide, 20 Gauge Galvanized Steel Backing Plate.....	2.95	



**09 Finishes****09 20 Plaster And Gypsum Board****09 22 Supports For Plaster And Gypsum Board**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0038	LF		3" Wide, 16 Gauge Galvanized Steel Backing Plate.....	1.28	
09 22 16 13-0039	LF		4" Wide, 16 Gauge Galvanized Steel Backing Plate.....	1.63	
09 22 16 13-0040	LF		6" Wide, 16 Gauge Galvanized Steel Backing Plate.....	2.29	
09 22 16 13-0041	LF		8" Wide, 16 Gauge Galvanized Steel Backing Plate.....	2.94	
09 22 16 13-0042	LF		10" Wide, 16 Gauge Galvanized Steel Backing Plate.....	3.65	
09 22 16 13-0043	LF		12" Wide, 16 Gauge Galvanized Steel Backing Plate.....	4.31	
09 22 16 13-0044	LF		3" Wide, 14 Gauge Galvanized Steel Backing Plate.....	1.56	
09 22 16 13-0045	LF		4" Wide, 14 Gauge Galvanized Steel Backing Plate.....	1.99	
09 22 16 13-0046	LF		6" Wide, 14 Gauge Galvanized Steel Backing Plate.....	2.83	
09 22 16 13-0047	LF		8" Wide, 14 Gauge Galvanized Steel Backing Plate.....	3.66	
09 22 16 13-0048	LF		10" Wide, 14 Gauge Galvanized Steel Backing Plate.....	4.55	
09 22 16 13-0049	LF		12" Wide, 14 Gauge Galvanized Steel Backing Plate.....	5.39	

**09 22 36 Lath** (09 22)**09 22 36 13 Gypsum Lath** (09 22 36)**09 22 36 13-0001 Plaster Base Gypsum Panels** (09 22 36 13)

09 22 36 13-0002	SF		3/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	0.65	0.17
			<i>For Walls &gt;10' High, Add</i>	0.04	
			<i>For Up To 100, Add</i>	0.17	
			<i>For &gt;100 To 500, Add</i>	0.09	
			<i>For &gt;5,000, Deduct</i>	-0.03	
09 22 36 13-0003	SF		1/2" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	0.97	0.20
			<i>For Walls &gt;10' High, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.20	
			<i>For &gt;100 To 500, Add</i>	0.10	
			<i>For &gt;5,000, Deduct</i>	-0.04	
09 22 36 13-0004	SF		5/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	1.26	0.23
			<i>For Walls &gt;10' High, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.23	
			<i>For &gt;100 To 500, Add</i>	0.11	
			<i>For &gt;5,000, Deduct</i>	-0.05	
09 22 36 13-0005	SF		3/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel.....	0.80	0.24
			<i>For Ceilings &gt;10' High, Add</i>	0.07	
			<i>For Up To 100, Add</i>	0.25	
			<i>For &gt;100 To 500, Add</i>	0.12	
			<i>For &gt;5,000, Deduct</i>	-0.05	
09 22 36 13-0006	SF		1/2" Thick, Installed On Ceiling, Plaster Base Gypsum Panel.....	1.14	0.28
			<i>For Ceilings &gt;10' High, Add</i>	0.09	
			<i>For Up To 100, Add</i>	0.29	
			<i>For &gt;100 To 500, Add</i>	0.14	
			<i>For &gt;5,000, Deduct</i>	-0.06	
09 22 36 13-0007	SF		5/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel.....	1.46	0.32
			<i>For Ceilings &gt;10' High, Add</i>	0.10	
			<i>For Up To 100, Add</i>	0.33	
			<i>For &gt;100 To 500, Add</i>	0.16	
			<i>For &gt;5,000, Deduct</i>	-0.07	
09 22 36 13-0008	SF		3/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	0.94	0.31
			<i>For Columns And Beams &gt;10' High, Add</i>	0.09	
			<i>For Up To 100, Add</i>	0.32	
			<i>For &gt;100 To 500, Add</i>	0.16	
			<i>For &gt;5,000, Deduct</i>	-0.06	
09 22 36 13-0009	SF		1/2" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	1.29	0.36
			<i>For Columns And Beams &gt;10' High, Add</i>	0.11	
			<i>For Up To 100, Add</i>	0.36	
			<i>For &gt;100 To 500, Add</i>	0.18	
			<i>For &gt;5,000, Deduct</i>	-0.07	
09 22 36 13-0010	SF		5/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	1.64	0.41
			<i>For Columns And Beams &gt;10' High, Add</i>	0.12	
			<i>For Up To 100, Add</i>	0.42	
			<i>For &gt;100 To 500, Add</i>	0.21	
			<i>For &gt;5,000, Deduct</i>	-0.08	

**09 22 36 13-0011 Firestop Plaster Base Gypsum Panels** (09 22 36 13)

09 22 36 13-0012	SF		3/8" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel.....	1.02	0.17
			<i>For Walls &gt;10' High, Add</i>	0.04	
			<i>For Up To 100, Add</i>	0.17	
			<i>For &gt;100 To 500, Add</i>	0.09	
			<i>For &gt;5,000, Deduct</i>	-0.03	
09 22 36 13-0013	SF		1/2" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel.....	1.19	0.20
			<i>For Walls &gt;10' High, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.20	
			<i>For &gt;100 To 500, Add</i>	0.10	
			<i>For &gt;5,000, Deduct</i>	-0.04	
09 22 36 13-0014	SF		3/8" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel.....	1.17	0.24
			<i>For Ceilings &gt;10' High, Add</i>	0.07	
			<i>For Up To 100, Add</i>	0.25	
			<i>For &gt;100 To 500, Add</i>	0.12	
			<i>For &gt;5,000, Deduct</i>	-0.05	



<b>Finishes</b>	<b>09</b>
<b>Plaster And Gypsum Board</b>	<b>09 20</b>
<b>Supports For Plaster And Gypsum Board</b>	<b>09 22</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 13-0015 SF 1/2" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel.....	1.36	0.28
For Ceilings >10' High, Add	0.09	
For Up To 100, Add	0.29	
For >100 To 500, Add	0.14	
For >5,000, Deduct	-0.06	
09 22 36 13-0016 SF 3/8" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel.....	1.31	0.31
For Columns And Beams >10' High, Add	0.09	
For Up To 100, Add	0.32	
For >100 To 500, Add	0.16	
For >5,000, Deduct	-0.06	
09 22 36 13-0017 SF 1/2" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel.....	1.51	0.36
For Columns And Beams >10' High, Add	0.11	
For Up To 100, Add	0.36	
For >100 To 500, Add	0.18	
For >5,000, Deduct	-0.07	
<b>09 22 36 13-0018 Foil Back Plaster Base Gypsum Panels (09 22 36 13)</b>		
09 22 36 13-0019 SF 3/8" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel.....	1.02	0.17
For Walls >10' High, Add	0.04	
For Up To 100, Add	0.17	
For >100 To 500, Add	0.09	
For >5,000, Deduct	-0.03	
09 22 36 13-0020 SF 1/2" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel.....	1.19	0.20
For Walls >10' High, Add	0.05	
For Up To 100, Add	0.20	
For >100 To 500, Add	0.10	
For >5,000, Deduct	-0.04	
09 22 36 13-0021 SF 3/8" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel.....	1.17	0.24
For Ceilings >10' High, Add	0.07	
For Up To 100, Add	0.25	
For >100 To 500, Add	0.12	
For >5,000, Deduct	-0.05	
09 22 36 13-0022 SF 1/2" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel.....	1.36	0.28
For Ceilings >10' High, Add	0.09	
For Up To 100, Add	0.29	
For >100 To 500, Add	0.14	
For >5,000, Deduct	-0.06	
09 22 36 13-0023 SF 3/8" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel.....	1.31	0.31
For Columns And Beams >10' High, Add	0.09	
For Up To 100, Add	0.32	
For >100 To 500, Add	0.16	
For >5,000, Deduct	-0.06	
09 22 36 13-0024 SF 1/2" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel.....	1.51	0.36
For Columns And Beams >10' High, Add	0.11	
For Up To 100, Add	0.36	
For >100 To 500, Add	0.18	
For >5,000, Deduct	-0.07	
<b>09 22 36 23 Metal Lath (09 22 36)</b>		
<b>09 22 36 23-0001 Flat Diamond, Expanded Metal Lath (09 22 36 23)</b>		
09 22 36 23-0002 SF 1.75 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath.....	1.06	0.24
For Walls >10' High, Add	0.07	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	0.27	
For >100 To 500, Add	0.14	
For >5,000, Deduct	-0.05	
09 22 36 23-0003 SF 2.0 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath.....	1.13	0.24
For Walls >10' High, Add	0.07	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	0.27	
For >100 To 500, Add	0.14	
For >5,000, Deduct	-0.05	
09 22 36 23-0004 SF 2.5 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath.....	1.20	0.24
For Walls >10' High, Add	0.07	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	0.27	
For >100 To 500, Add	0.14	
For >5,000, Deduct	-0.05	
09 22 36 23-0005 SF 3.4 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath.....	1.43	0.25
For Walls >10' High, Add	0.07	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	0.29	
For >100 To 500, Add	0.15	
For >5,000, Deduct	-0.06	
09 22 36 23-0006 SF 1.75 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath.....	1.14	0.27
For Ceilings >10' High, Add	0.09	
For Paper Backed Lath, Add	0.06	
For Up To 100, Add	0.31	
For >100 To 500, Add	0.16	
For >5,000, Deduct	-0.06	

**09 Finishes**

**09 20 Plaster And Gypsum Board**

**09 22 Supports For Plaster And Gypsum Board**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 23-0007	SF		2.0 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath.....	1.21	0.27
			<i>For Ceilings &gt;10' High, Add</i>	0.09	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.31	
			<i>For &gt;100 To 500, Add</i>	0.16	
			<i>For &gt;5,000, Deduct</i>	-0.06	
09 22 36 23-0008	SF		2.5 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath.....	1.28	0.27
			<i>For Ceilings &gt;10' High, Add</i>	0.09	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.31	
			<i>For &gt;100 To 500, Add</i>	0.16	
			<i>For &gt;5,000, Deduct</i>	-0.06	
09 22 36 23-0009	SF		3.4 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath.....	1.47	0.27
			<i>For Ceilings &gt;10' High, Add</i>	0.09	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.31	
			<i>For &gt;100 To 500, Add</i>	0.16	
			<i>For &gt;5,000, Deduct</i>	-0.06	
09 22 36 23-0010	SF		1.75 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath.....	1.44	0.38
			<i>For Columns And Beams &gt;10' High, Add</i>	0.13	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.43	
			<i>For &gt;100 To 500, Add</i>	0.22	
			<i>For &gt;5,000, Deduct</i>	-0.09	
09 22 36 23-0011	SF		2.0 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath.....	1.51	0.38
			<i>For Columns And Beams &gt;10' High, Add</i>	0.13	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.43	
			<i>For &gt;100 To 500, Add</i>	0.22	
			<i>For &gt;5,000, Deduct</i>	-0.09	
09 22 36 23-0012	SF		2.5 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath.....	1.59	0.38
			<i>For Columns And Beams &gt;10' High, Add</i>	0.13	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.43	
			<i>For &gt;100 To 500, Add</i>	0.22	
			<i>For &gt;5,000, Deduct</i>	-0.09	
09 22 36 23-0013	SF		3.4 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath.....	1.98	0.49
			<i>For Columns And Beams &gt;10' High, Add</i>	0.16	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.54	
			<i>For &gt;100 To 500, Add</i>	0.27	
			<i>For &gt;5,000, Deduct</i>	-0.11	
<b>09 22 36 23-0014</b>			<b>Self Furring, Flat Diamond, Expanded Metal Lath (09 22 36 23)</b>		
09 22 36 23-0015	SF		1.75 LB/SY, Installed On Solid Surface, Self Furring, Flat Diamond, Expanded Metal Lath.....	1.10	0.25
			<i>For Walls &gt;10' High, Add</i>	0.07	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.29	
			<i>For &gt;100 To 500, Add</i>	0.15	
			<i>For &gt;5,000, Deduct</i>	-0.06	
09 22 36 23-0016	SF		2.0 LB/SY, Installed On Solid Surface, Self Furring, Flat Diamond, Expanded Metal Lath.....	1.17	0.25
			<i>For Walls &gt;10' High, Add</i>	0.07	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.29	
			<i>For &gt;100 To 500, Add</i>	0.15	
			<i>For &gt;5,000, Deduct</i>	-0.06	
09 22 36 23-0017	SF		2.5 LB/SY, Installed On Solid Surface, Self Furring, Flat Diamond, Expanded Metal Lath.....	1.24	0.25
			<i>For Walls &gt;10' High, Add</i>	0.07	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.29	
			<i>For &gt;100 To 500, Add</i>	0.15	
			<i>For &gt;5,000, Deduct</i>	-0.06	
09 22 36 23-0018	SF		3.4 LB/SY, Installed On Solid Surface, Self Furring, Flat Diamond, Expanded Metal Lath.....	1.43	0.25
			<i>For Walls &gt;10' High, Add</i>	0.07	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.29	
			<i>For &gt;100 To 500, Add</i>	0.15	
			<i>For &gt;5,000, Deduct</i>	-0.06	
09 22 36 23-0019	SF		1.75 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath.....	1.65	0.49
			<i>For Columns And Beams &gt;10' High, Add</i>	0.16	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.54	
			<i>For &gt;100 To 500, Add</i>	0.27	
			<i>For &gt;5,000, Deduct</i>	-0.11	
09 22 36 23-0020	SF		2.0 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath.....	1.72	0.49
			<i>For Columns And Beams &gt;10' High, Add</i>	0.16	
			<i>For Paper Backed Lath, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.54	
			<i>For &gt;100 To 500, Add</i>	0.27	
			<i>For &gt;5,000, Deduct</i>	-0.11	



<b>Finishes</b>	<b>09</b>
<b>Plaster And Gypsum Board</b>	<b>09 20</b>
<b>Supports For Plaster And Gypsum Board</b>	<b>09 22</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 23-0021	SF		2.5 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath..... <i>For Columns And Beams &gt;10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	1.80 0.16 0.06 0.54 0.27 -0.11	0.49
09 22 36 23-0022	SF		3.4 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath..... <i>For Columns And Beams &gt;10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	2.13 0.18 0.06 0.61 0.31 -0.12	0.56
<b>09 22 36 23-0023</b>			<b>High Rib Metal Lath</b> (09 22 36 23)		
09 22 36 23-0024	SF		2.75 LB/SY, Installed On Ceiling, 1/8" High Rib Metal Lath ..... <i>For Ceilings &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	1.34 0.09 0.31 0.16 -0.06	0.27
09 22 36 23-0025	SF		3.4 LB/SY, Installed On Ceiling, 1/8" High Rib Metal Lath ..... <i>For Ceilings &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	1.45 0.09 0.31 0.16 -0.06	0.27
09 22 36 23-0026	SF		3.4 LB/SY, Installed On Ceiling, 3/8" High Rib Metal Lath ..... <i>For Ceilings &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	1.51 0.09 0.31 0.16 -0.06	0.27
09 22 36 23-0027	SF		4.0 LB/SY, Installed On Ceiling, 3/8" High Rib Metal Lath ..... <i>For Ceilings &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	1.63 0.09 0.31 0.16 -0.06	0.27
<b>09 22 36 33</b>			<b>Fiberglass Lath</b> (09 22 36)		
<b>09 22 36 33-0001</b>			<b>Non-Metallic, Fiberglass Lath</b> (09 22 36 33)		
09 22 36 33-0002	SF		1/8" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath..... <i>For Ceilings &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	1.51 0.09 0.31 0.16 -0.06	0.27
09 22 36 33-0003	SF		1/4" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath..... <i>For Ceilings &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	1.64 0.09 0.31 0.16 -0.06	0.27
09 22 36 33-0004	SF		1/8" Thick, Installed On Solid Surface, Fiberglass Non Metallic Lath..... <i>For Walls &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	1.47 0.07 0.29 0.15 -0.06	0.25
09 22 36 33-0005	SF		1/4" Thick, Installed On Solid Surface, Fiberglass Non Metallic Lath..... <i>For Walls &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	1.60 0.07 0.29 0.15 -0.06	0.25
<b>09 23</b>			<b>Gypsum Plastering</b> (09 23)		
<b>09 23 13</b>			<b>Acoustical Gypsum Plastering</b> (09 23)		
			Note: Excludes lath, furring and studs. See CSI section 09 22 00 00-0000 for metal studs and furring, 09 22 36 00-0000 for lath.		
<b>09 23 13 00-0001</b>			<b>Casing And Corner Beads</b> (09 23 13)		
09 23 13 00-0002	LF		Galvanized Expanded Flange Casing Bead For Plaster Applications.....	1.71	0.38
09 23 13 00-0003	LF		Zinc Expanded Flange Casing Bead For Plaster Applications.....	1.72	0.38
09 23 13 00-0004	LF		Vinyl Expanded Flange Casing Bead For Plaster Applications.....	1.79	0.38
09 23 13 00-0005	LF		Galvanized Corner Bead For Plaster Applications.....	1.61	0.38
09 23 13 00-0006	LF		Vinyl Corner Bead For Plaster Applications.....	1.58	0.38
<b>09 23 13 00-0007</b>			<b>Trim</b> (09 23 13)		
09 23 13 00-0008	LF		Galvanized "J" Trim For Plaster Applications..... <i>For Vinyl Instead Of Galvanized, Add</i> <i>For Zinc Instead Of Galvanized, Add</i>	1.75 0.12 0.79	0.38
09 23 13 00-0009	LF		Galvanized "L" Trim For Plaster Applications ..... <i>For Vinyl Instead Of Galvanized, Add</i> <i>For Zinc Instead Of Galvanized, Add</i>	1.75 0.12 0.79	0.38

**09 Finishes****09 20 Plaster And Gypsum Board****09 23 Gypsum Plastering**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 23 13 00-0010	LF		Galvanized "U" Trim For Plaster Applications..... <i>For Vinyl Instead Of Galvanized, Add</i> <i>For Zinc Instead Of Galvanized, Add</i>	1.75 0.12 0.79	0.38
<b>09 23 13 00-0011</b>			<b>Plaster Forms And Expansion Joints (09 23 13)</b>		
09 23 13 00-0012	LF		3/4" Galvanized Expansion Joint For Plaster Applications.....	2.22	0.38
<b>09 23 13 00-0013</b>			<b>One Skim Coat Gypsum Plaster On Walls (09 23 13)</b>		
09 23 13 00-0014	SF		Skim Coat One Coat Gypsum Plaster On Walls ..... <i>For Walls &gt;10' High, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Columns Or Beams Up To 10' High, Add</i> <i>For Columns Or Beams &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	0.72 0.05 0.07 0.15 0.15 0.23 0.25 0.12 -0.10	
09 23 13 00-0015	SF		For Each Additional Coat Over One, Skim Coat Gypsum Plaster On Walls ..... <i>For Walls &gt;10' High, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Columns Or Beams Up To 10' High, Add</i> <i>For Columns Or Beams &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	0.53 0.04 0.05 0.11 0.11 0.17 0.18 0.09 -0.07	
<b>09 23 13 00-0016</b>			<b>Two Coats Gypsum Plaster On Walls (09 23 13)</b>		
09 23 13 00-0017	SF		Smooth Finish Two Coats Gypsum Plaster On Walls ..... <i>For Walls &gt;10' High, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Columns Or Beams Up To 10' High, Add</i> <i>For Columns Or Beams &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	3.12 0.27 0.40 0.81 0.83 1.24 1.35 0.67 -0.54	1.63
09 23 13 00-0018	SF		Sand Aggregate Two Coats Gypsum Plaster On Walls ..... <i>For Walls &gt;10' High, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Columns Or Beams Up To 10' High, Add</i> <i>For Columns Or Beams &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	3.54 0.25 0.38 0.76 0.78 1.16 1.26 0.63 -0.50	1.55
09 23 13 00-0019	SF		Perlite Or Vermiculite Two Coats Gypsum Plaster On Walls ..... <i>For Walls &gt;10' High, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Columns Or Beams Up To 10' High, Add</i> <i>For Columns Or Beams &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	3.64 0.25 0.38 0.76 0.78 1.16 1.26 0.63 -0.50	1.55
<b>09 23 13 00-0020</b>			<b>Three Coats Gypsum Plaster On Walls (09 23 13)</b>		
09 23 13 00-0021	SF		Smooth Finish Three Coats Gypsum Plaster On Walls ..... <i>For Walls &gt;10' High, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Columns Or Beams Up To 10' High, Add</i> <i>For Columns Or Beams &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	3.84 0.32 0.48 0.97 1.00 1.48 1.61 0.81 -0.64	1.98
09 23 13 00-0022	SF		Sand Aggregate Three Coats Gypsum Plaster On Walls ..... <i>For Walls &gt;10' High, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Columns Or Beams Up To 10' High, Add</i> <i>For Columns Or Beams &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	4.19 0.30 0.45 0.89 0.92 1.37 1.49 0.75 -0.60	1.81



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 23 13 00-0023 SF Perlite Or Vermiculite Three Coats Gypsum Plaster On Walls .....	3.68	1.81
For Walls >10' High, Add	0.30	
For Horizontal Installation Up To 10' High, Add	0.45	
For Horizontal Installation >10' High, Add	0.89	
For Columns Or Beams Up To 10' High, Add	0.92	
For Columns Or Beams >10' High, Add	1.37	
For Up To 100, Add	1.49	
For >100 To 500, Add	0.74	
For >5,000, Deduct	-0.59	
 09 23 13 00-0024 Plaster Bonding Agent (09 23 13)		
09 23 13 00-0025 SF 1 Coat, Brush/Roller Plaster Bonding Agent.....	0.36	
For Walls >10' High, Add	0.03	
For Columns Or Beams Up To 10' High, Add	0.08	
For Columns Or Beams >10' High, Add	0.12	
For Ceiling Application Up To 10' High, Add	0.03	
For Ceiling Application >10' High, Add	0.06	
 <b>09 24 Cement Plastering (09 20)</b>		
<b>09 24 13 Acoustical Cement Plastering (09 24)</b>		
09 24 13 00-0001 Keene's Cement Plaster, Quick Setting, White Hard Plaster (09 24 13)		
Note: Used for areas with higher than normal moisture.		
09 24 13 00-0002 SF 1 Coat Keene's Cement Plaster On Walls .....	2.97	1.10
For Walls >10' High, Add	0.18	
For Horizontal Installation Up To 10' High, Add	0.26	
For Horizontal Installation >10' High, Add	0.53	
For Columns Or Beams Up To 10' High, Add	0.55	
For Columns Or Beams >10' High, Add	0.81	
For Up To 100, Add	0.88	
For >100 To 500, Add	0.44	
For >5,000, Deduct	-0.35	
09 24 13 00-0003 SF 2 Coat Keene's Cement Plaster On Walls .....	4.33	1.72
For Walls >10' High, Add	0.28	
For Horizontal Installation Up To 10' High, Add	0.42	
For Horizontal Installation >10' High, Add	0.84	
For Columns Or Beams Up To 10' High, Add	0.87	
For Columns Or Beams >10' High, Add	1.29	
For Up To 100, Add	1.40	
For >100 To 500, Add	0.70	
For >5,000, Deduct	-0.56	
09 24 13 00-0004 SF 3 Coat Keene's Cement Plaster On Walls .....	4.91	1.94
For Walls >10' High, Add	0.32	
For Horizontal Installation Up To 10' High, Add	0.48	
For Horizontal Installation >10' High, Add	0.95	
For Columns Or Beams Up To 10' High, Add	0.98	
For Columns Or Beams >10' High, Add	1.46	
For Up To 100, Add	1.59	
For >100 To 500, Add	0.79	
For >5,000, Deduct	-0.63	
 <b>09 24 23 Cement Stucco (09 24)</b>		
Note: Packaged product reinforced with fibers. All plastering excludes lath, furring or studs except as noted. See CSI section 09 22 00 00-0000 for metal studs and furring.		
09 24 23 00-0001 Stucco (09 24 23)		
Note: Excludes wall scaffolding or lifting equipment.		
09 24 23 00-0002 SF Three Coat Troweled Stucco, Scratch/Brown/Finish .....	4.97	1.36
Note: Excludes lath and felt. Interior or exterior, one side.		
For Walls >10' High, Add	0.37	
For Horizontal Installation Up To 10' High, Add	0.56	
For Horizontal Installation >10' High, Add	1.12	
For Columns Or Beams Up To 10' High, Add	1.16	
For Columns Or Beams >10' High, Add	1.72	
For Color Added To Finish Coat, Add	0.15	
For Smooth Float Finish, Add	0.79	
For Up To 100, Add	1.87	
For >100 To 500, Add	0.94	
For >5,000, Deduct	-0.75	
09 24 23 00-0003 SF Two Coat Troweled Stucco, Scratch/Brown.....	2.44	0.66
Note: Excludes lath and felt. Interior or exterior, one side.		
For Walls >10' High, Add	0.14	
For Horizontal Installation Up To 10' High, Add	0.20	
For Horizontal Installation >10' High, Add	0.41	
For Columns Or Beams Up To 10' High, Add	0.42	
For Columns Or Beams >10' High, Add	0.63	
For Up To 100, Add	0.68	
For >100 To 500, Add	0.34	
For >5,000, Deduct	-0.27	

**09 Finishes**  
**09 20 Plaster And Gypsum Board**  
**09 24 Cement Plastering**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 24 23 00-0004	SF		Two Coat Troweled Stucco, Scratch/Finish ..... Note: Excludes lath and felt. Interior or exterior, one side.	3.33	0.66
			<i>For Walls &gt;10' High, Add</i>	0.24	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.36	
			<i>For Horizontal Installation &gt;10' High, Add</i>	0.73	
			<i>For Columns Or Beams Up To 10' High, Add</i>	0.75	
			<i>For Columns Or Beams &gt;10' High, Add</i>	1.12	
			<i>For Color Added To Finish Coat, Add</i>	0.15	
			<i>For Smooth Float Finish, Add</i>	0.67	
			<i>For Up To 100, Add</i>	1.22	
			<i>For &gt;100 To 500, Add</i>	0.61	
			<i>For &gt;5,000, Deduct</i>	-0.49	
09 24 23 00-0005	SF		Finish Coat Troweled Stucco..... Note: Excludes lath and felt. Interior or exterior, one side.	1.92	0.44
			<i>For Walls &gt;10' High, Add</i>	0.18	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.26	
			<i>For Horizontal Installation &gt;10' High, Add</i>	0.53	
			<i>For Columns Or Beams Up To 10' High, Add</i>	0.55	
			<i>For Columns Or Beams &gt;10' High, Add</i>	0.81	
			<i>For Color Added To Finish Coat, Add</i>	0.15	
			<i>For Smooth Float Finish, Add</i>	0.66	
			<i>For Up To 100, Add</i>	0.88	
			<i>For &gt;100 To 500, Add</i>	0.44	
			<i>For &gt;5,000, Deduct</i>	-0.35	

**09 24 33 Cement Parging (09 24)**

09 24 33 00-0001			<b>Cement Parging (09 24 33)</b>		
09 24 33 00-0002	SF		1/8" Thick Sand And Cement Parging.....	2.04	
09 24 33 00-0003	SF		1/4" Thick Sand And Cement Parging.....	2.65	
09 24 33 00-0004	SF		1/2" Thick Sand And Cement Parging.....	3.43	

**09 28 Backing Boards And Underlayments (09 20)**

**09 28 13 Cementitious Backing Boards (09 28)**

09 28 13 00-0001			<b>Cementitious Backer Units (09 28 13)</b> Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.		
09 28 13 00-0002	SF		1/4" Cementitious Backer Units For Installation On Floors ..... <i>For Up To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;1,000, Deduct</i> <i>For Installation On Wall, Add</i> <i>For Installation On Ceiling, Add</i>	2.21	0.24
				1.29	
				0.20	
				-0.10	
				0.20	
				0.49	
09 28 13 00-0003	SF		1/2" Cementitious Backer Units For Installation On Floors ..... <i>For Up To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;1,000, Deduct</i> <i>For Installation On Wall, Add</i> <i>For Installation On Ceiling, Add</i>	2.45	0.29
				1.50	
				0.24	
				-0.12	
				0.24	
				0.59	
09 28 13 00-0004	SF		5/8" Cementitious Backer Units For Installation On Floors ..... <i>For Up To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;1,000, Deduct</i> <i>For Installation On Wall, Add</i> <i>For Installation On Ceiling, Add</i>	3.18	0.34
				1.83	
				0.28	
				-0.14	
				0.28	
				0.69	

**09 28 16 Glass-Mat Faced Gypsum Backing Boards (09 28)**

09 28 16 00-0001			<b>Glass Mat Faced Backer Units, DensShield (09 28 16)</b> Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.		
09 28 16 00-0002	SF		1/2" DensShield Tile Backer For Installation On Floors ..... <i>For Up To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;1,000, Deduct</i> <i>For Installation On Wall, Add</i> <i>For Installation On Ceiling, Add</i>	1.51	0.27
				0.91	
				0.14	
				-0.07	
				0.14	
				0.36	
09 28 16 00-0003	SF		5/8" DensShield Tile Backer For Installation On Floors ..... <i>For Up To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;1,000, Deduct</i> <i>For Installation On Wall, Add</i> <i>For Installation On Ceiling, Add</i>	2.25	0.31
				1.16	
				0.16	
				-0.08	
				0.16	
				0.40	

**09 29 Gypsum Board (09 20)**

**09 29 10 Gypsum Board (09 29)**



<b>Finishes</b>	<b>09</b>	
<b>Plaster And Gypsum Board</b>	<b>09 20</b>	<b>9</b>
<b>Gypsum Board</b>	<b>09 29</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0001 <b>Standard Gypsum Board Application</b> <small>(09 29 10)</small> Note: Includes gypsum board screwed in place on walls, ceilings, beams, columns, soffits, etc.. Excludes finishing. See CSI section 09 01 20 91-0001 for small repairs, 09 29 10 00-0047 for finishing gypsum board, 09 29 10 00-0060 for casing and corner bead.		
09 29 10 00-0002 <b>Standard Gypsum Board Application</b> <small>(09 29 10 00-0001)</small>		
09 29 10 00-0003 SF 1/4" Gypsum Board.....	0.67	0.16
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.07	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.16	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.08	
For Horizontal Installation Up To 10' High, Add	0.11	
For Horizontal Installation >10' High, Add	0.16	
For Walls >10' High, Add	0.02	
For Up To 128, Add	0.20	
For >128 To 320, Add	0.11	
For >1,536, Deduct	-0.07	
09 29 10 00-0004 SF 3/8" Gypsum Board.....	0.71	0.17
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.08	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.18	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.08	
For Horizontal Installation Up To 10' High, Add	0.12	
For Horizontal Installation >10' High, Add	0.18	
For Walls >10' High, Add	0.03	
For Up To 128, Add	0.21	
For >128 To 320, Add	0.12	
For >1,536, Deduct	-0.07	
For Foil Back Board, Add	0.10	
09 29 10 00-0005 SF 1/2" Gypsum Board.....	0.77	0.20
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.10	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.21	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.08	
For Horizontal Installation Up To 10' High, Add	0.14	
For Horizontal Installation >10' High, Add	0.21	
For Walls >10' High, Add	0.03	
For Up To 128, Add	0.24	
For >128 To 320, Add	0.14	
For >1,536, Deduct	-0.07	
For Foil Back Board, Add	0.10	
09 29 10 00-0006 SF 5/8" Gypsum Board.....	0.92	0.23
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.11	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.24	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.08	
For Horizontal Installation Up To 10' High, Add	0.16	
For Horizontal Installation >10' High, Add	0.24	
For Walls >10' High, Add	0.04	
For Up To 128, Add	0.28	
For >128 To 320, Add	0.16	
For >1,536, Deduct	-0.09	
For Foil Back Board, Add	0.10	
09 29 10 00-0007 SF 1/4" Gypsum Board, Two Layers.....	1.30	0.28
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.14	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.29	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.09	
For Horizontal Installation Up To 10' High, Add	0.19	
For Horizontal Installation >10' High, Add	0.29	
For Walls >10' High, Add	0.05	
For Up To 128, Add	0.37	
For >128 To 320, Add	0.22	
For >1,536, Deduct	-0.14	
09 29 10 00-0008 SF 3/8" Gypsum Board, Two Layers.....	1.37	0.31
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.15	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.32	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.09	
For Horizontal Installation Up To 10' High, Add	0.22	
For Horizontal Installation >10' High, Add	0.32	
For Walls >10' High, Add	0.05	
For Up To 128, Add	0.40	
For >128 To 320, Add	0.23	
For >1,536, Deduct	-0.14	
09 29 10 00-0009 SF 1/2" Gypsum Board, Two Layers.....	1.46	0.36
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.18	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.37	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.10	
For Horizontal Installation Up To 10' High, Add	0.25	
For Horizontal Installation >10' High, Add	0.37	
For Walls >10' High, Add	0.06	
For Up To 128, Add	0.44	
For >128 To 320, Add	0.26	
For >1,536, Deduct	-0.15	



**09 Finishes**

**09 20 Plaster And Gypsum Board**

**09 29 Gypsum Board**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0010	SF		5/8" Gypsum Board, Two Layers .....1.74		0.43
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.20	
			<i>For Times When The Shortest Distance From Corner to Corner Is &lt;3', Add</i>	0.42	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.10	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.29	
			<i>For Horizontal Installation &gt;10' High, Add</i>	0.42	
			<i>For Walls &gt;10' High, Add</i>	0.07	
			<i>For Up To 128, Add</i>	0.52	
			<i>For &gt;128 To 320, Add</i>	0.30	
			<i>For &gt;1,536, Deduct</i>	-0.18	
09 29 10 00-0011			<b>Fire Rated Gypsum Board Application</b> (09 29 10 00-0001)		
09 29 10 00-0012			<b>Type X, Fire Rated Gypsum Board</b> (09 29 10 00-0011)		
09 29 10 00-0013	SF		5/8" Type X Fire Rated Gypsum Board .....0.96		0.23
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.12	
			<i>For Times When The Shortest Distance From Corner to Corner Is &lt;3', Add</i>	0.26	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.09	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.18	
			<i>For Horizontal Installation &gt;10' High, Add</i>	0.26	
			<i>For Walls &gt;10' High, Add</i>	0.04	
			<i>For Up To 128, Add</i>	0.30	
			<i>For &gt;128 To 320, Add</i>	0.17	
			<i>For &gt;1,536, Deduct</i>	-0.09	
			<i>For Foil Back Board, Add</i>	0.10	
09 29 10 00-0014	SF		5/8" Type X Fire Rated Gypsum Board, Two Layers .....1.80		0.23
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.22	
			<i>For Times When The Shortest Distance From Corner to Corner Is &lt;3', Add</i>	0.46	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.11	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.31	
			<i>For Horizontal Installation &gt;10' High, Add</i>	0.46	
			<i>For Walls &gt;10' High, Add</i>	0.07	
			<i>For Up To 128, Add</i>	0.54	
			<i>For &gt;128 To 320, Add</i>	0.32	
			<i>For &gt;1,536, Deduct</i>	-0.18	
09 29 10 00-0015			<b>Type C, Fire Rated Gypsum Board</b> (09 29 10 00-0011)		
09 29 10 00-0016	SF		1/2" Type C Fire Rated Gypsum Board .....0.91		0.20
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.11	
			<i>For Times When The Shortest Distance From Corner to Corner Is &lt;3', Add</i>	0.23	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.08	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.15	
			<i>For Horizontal Installation &gt;10' High, Add</i>	0.23	
			<i>For Walls &gt;10' High, Add</i>	0.04	
			<i>For Up To 128, Add</i>	0.27	
			<i>For &gt;128 To 320, Add</i>	0.16	
			<i>For &gt;1,536, Deduct</i>	-0.09	
			<i>For Foil Back Board, Add</i>	0.10	
09 29 10 00-0017	SF		5/8" Type C Fire Rated Gypsum Board .....1.01		0.23
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.12	
			<i>For Times When The Shortest Distance From Corner to Corner Is &lt;3', Add</i>	0.26	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.09	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.18	
			<i>For Horizontal Installation &gt;10' High, Add</i>	0.26	
			<i>For Walls &gt;10' High, Add</i>	0.04	
			<i>For Up To 128, Add</i>	0.31	
			<i>For &gt;128 To 320, Add</i>	0.18	
			<i>For &gt;1,536, Deduct</i>	-0.10	
			<i>For Foil Back Board, Add</i>	0.10	
09 29 10 00-0018	SF		1/2" Type C Fire Rated Gypsum Board, Two Layers .....1.73		0.20
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.19	
			<i>For Times When The Shortest Distance From Corner to Corner Is &lt;3', Add</i>	0.40	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.10	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.27	
			<i>For Horizontal Installation &gt;10' High, Add</i>	0.40	
			<i>For Walls &gt;10' High, Add</i>	0.06	
			<i>For Up To 128, Add</i>	0.51	
			<i>For &gt;128 To 320, Add</i>	0.29	
			<i>For &gt;1,536, Deduct</i>	-0.18	
09 29 10 00-0019	SF		5/8" Type C Fire Rated Gypsum Board, Two Layers .....1.91		0.23
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.22	
			<i>For Times When The Shortest Distance From Corner to Corner Is &lt;3', Add</i>	0.46	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.11	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.31	
			<i>For Horizontal Installation &gt;10' High, Add</i>	0.46	
			<i>For Walls &gt;10' High, Add</i>	0.07	
			<i>For Up To 128, Add</i>	0.57	
			<i>For &gt;128 To 320, Add</i>	0.33	
			<i>For &gt;1,536, Deduct</i>	-0.19	
09 29 10 00-0020			<b>Fire Rated Gypsum Board (Sheetrock® Ultracode®)</b> (09 29 10 00-0011)		



<b>Finishes</b>	<b>09</b>	<b>9</b>
Plaster And Gypsum Board	09 20	
Gypsum Board	09 29	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0021 SF 3/4" Fire Rated Gypsum Board (Sheetrock® Ultracode®).....	1.64	0.23
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.13	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.26	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.09	
For Horizontal Installation Up To 10' High, Add	0.18	
For Horizontal Installation >10' High, Add	0.26	
For Walls >10' High, Add	0.04	
For Up To 128, Add	0.43	
For >128 To 320, Add	0.24	
For >1,536, Deduct	-0.19	
09 29 10 00-0022 SF 3/4" Fire Rated Gypsum Board (Sheetrock® Ultracode®), Two Layers .....	3.16	0.23
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.23	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.46	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.11	
For Horizontal Installation Up To 10' High, Add	0.31	
For Horizontal Installation >10' High, Add	0.46	
For Walls >10' High, Add	0.07	
For Up To 128, Add	0.82	
For >128 To 320, Add	0.45	
For >1,536, Deduct	-0.38	
<b>09 29 10 00-0023 Moisture Resistant Gypsum Board Application (09 29 10 00-0001)</b>		
Note: Water-resistant gypsum core.		
09 29 10 00-0024 SF 1/2" Moisture Resistant Gypsum Board .....	0.89	0.20
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.10	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.21	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.08	
For Horizontal Installation Up To 10' High, Add	0.14	
For Horizontal Installation >10' High, Add	0.21	
For Walls >10' High, Add	0.03	
For Up To 128, Add	0.26	
For >128 To 320, Add	0.15	
For >1,536, Deduct	-0.09	
09 29 10 00-0025 SF 5/8" Moisture Resistant Gypsum Board .....	1.23	0.20
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.12	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.24	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.08	
For Horizontal Installation Up To 10' High, Add	0.16	
For Horizontal Installation >10' High, Add	0.24	
For Walls >10' High, Add	0.04	
For Up To 128, Add	0.34	
For >128 To 320, Add	0.19	
For >1,536, Deduct	-0.14	
<b>09 29 10 00-0026 Vinyl Faced Gypsum Board Application (09 29 10 00-0001)</b>		
Note: Includes clips and adhesive.		
09 29 10 00-0027 SF 3/8" Prefinished, Vinyl Faced Gypsum Board .....	2.11	0.16
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.10	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.18	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.08	
For Horizontal Installation Up To 10' High, Add	0.12	
For Horizontal Installation >10' High, Add	0.18	
For Walls >10' High, Add	0.03	
For Up To 128, Add	0.49	
For >128 To 320, Add	0.26	
For >1,536, Deduct	-0.28	
09 29 10 00-0028 SF 1/2" Prefinished, Vinyl Faced Gypsum Board .....	2.17	0.20
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.11	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.21	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.08	
For Horizontal Installation Up To 10' High, Add	0.14	
For Horizontal Installation >10' High, Add	0.21	
For Walls >10' High, Add	0.03	
For Up To 128, Add	0.52	
For >128 To 320, Add	0.28	
For >1,536, Deduct	-0.28	
09 29 10 00-0029 SF 5/8" Prefinished, Vinyl Faced Gypsum Board .....	2.23	0.23
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.13	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.24	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.08	
For Horizontal Installation Up To 10' High, Add	0.16	
For Horizontal Installation >10' High, Add	0.24	
For Walls >10' High, Add	0.04	
For Up To 128, Add	0.54	
For >128 To 320, Add	0.29	
For >1,536, Deduct	-0.29	

**09 Finishes**

**09 20 Plaster And Gypsum Board**

**09 29 Gypsum Board**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0030	SF		1/2" Fire Rated, Prefinished Vinyl Faced Gypsum Board.....	2.56	0.20
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.12	
			<i>For Times When The Shortest Distance From Corner to Corner Is &lt;3', Add</i>	0.23	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.08	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.15	
			<i>For Horizontal Installation &gt;10' High, Add</i>	0.23	
			<i>For Walls &gt;10' High, Add</i>	0.04	
			<i>For Up To 128, Add</i>	0.60	
			<i>For &gt;128 To 320, Add</i>	0.32	
			<i>For &gt;1,536, Deduct</i>	-0.34	
09 29 10 00-0031	SF		5/8" Fire Rated, Prefinished Vinyl Faced Gypsum Board.....	4.20	0.23
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.16	
			<i>For Times When The Shortest Distance From Corner to Corner Is &lt;3', Add</i>	0.26	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.09	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.18	
			<i>For Horizontal Installation &gt;10' High, Add</i>	0.26	
			<i>For Walls &gt;10' High, Add</i>	0.04	
			<i>For Up To 128, Add</i>	0.94	
			<i>For &gt;128 To 320, Add</i>	0.50	
			<i>For &gt;1,536, Deduct</i>	-0.58	
09 29 10 00-0032			<b>Moisture And Mold Resistant Gypsum Board Application</b> (09 29 10 00-0001)		
09 29 10 00-0033	SF		1/2", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board.....	1.13	0.19
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.10	
			<i>For Times When The Shortest Distance From Corner to Corner Is &lt;3', Add</i>	0.21	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.08	
			<i>For Non-reinforced Board, Deduct</i>	-0.08	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.14	
			<i>For Horizontal Installation &gt;10' High, Add</i>	0.21	
			<i>For Walls &gt;10' High, Add</i>	0.03	
			<i>For Up To 128, Add</i>	0.31	
			<i>For &gt;128 To 320, Add</i>	0.17	
			<i>For &gt;1,536, Deduct</i>	-0.13	
09 29 10 00-0034	SF		5/8", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board.....	1.35	0.22
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.12	
			<i>For Times When The Shortest Distance From Corner to Corner Is &lt;3', Add</i>	0.24	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.08	
			<i>For Non-reinforced Board, Deduct</i>	-0.08	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.16	
			<i>For Horizontal Installation &gt;10' High, Add</i>	0.24	
			<i>For Walls &gt;10' High, Add</i>	0.04	
			<i>For Up To 128, Add</i>	0.36	
			<i>For &gt;128 To 320, Add</i>	0.21	
			<i>For &gt;1,536, Deduct</i>	-0.16	
09 29 10 00-0035	SF		1/2" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board.....	1.39	0.19
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.11	
			<i>For Times When The Shortest Distance From Corner to Corner Is &lt;3', Add</i>	0.23	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.08	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.15	
			<i>For Horizontal Installation &gt;10' High, Add</i>	0.23	
			<i>For Walls &gt;10' High, Add</i>	0.04	
			<i>For Up To 128, Add</i>	0.37	
			<i>For &gt;128 To 320, Add</i>	0.21	
			<i>For &gt;1,536, Deduct</i>	-0.16	
09 29 10 00-0036	SF		5/8" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board.....	1.54	0.22
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.13	
			<i>For Times When The Shortest Distance From Corner to Corner Is &lt;3', Add</i>	0.26	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.09	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.18	
			<i>For Horizontal Installation &gt;10' High, Add</i>	0.26	
			<i>For Walls &gt;10' High, Add</i>	0.04	
			<i>For Up To 128, Add</i>	0.41	
			<i>For &gt;128 To 320, Add</i>	0.23	
			<i>For &gt;1,536, Deduct</i>	-0.18	
09 29 10 00-0037			<b>Hi-Impact Gypsum Board</b> (09 29 10 00-0001)		
			Note: Abrasion, impact and penetration resistant.		
09 29 10 00-0038	SF		0.01" Polycarbonate Backed, Fire Rated, 5/8" Hi-Impact Gypsum Board.....	1.97	0.22
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.12	
			<i>For Times When The Shortest Distance From Corner to Corner Is &lt;3', Add</i>	0.24	
			<i>For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add</i>	0.08	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.16	
			<i>For Horizontal Installation &gt;10' High, Add</i>	0.24	
			<i>For Walls &gt;10' High, Add</i>	0.04	
			<i>For Up To 128, Add</i>	0.49	
			<i>For &gt;128 To 320, Add</i>	0.27	
			<i>For &gt;1,536, Deduct</i>	-0.25	



<b>Finishes</b>	<b>09</b>	
<b>Plaster And Gypsum Board</b>	<b>09 20</b>	<b>9</b>
<b>Gypsum Board</b>	<b>09 29</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0039 SF 0.02" Polycarbonate Backed, Fire Rated, 5/8" Hi-Impact Gypsum Board.....	2.41	0.22
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.13	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.24	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.08	
For Horizontal Installation Up To 10' High, Add	0.16	
For Horizontal Installation >10' High, Add	0.24	
For Walls >10' High, Add	0.04	
For Up To 128, Add	0.58	
For >128 To 320, Add	0.31	
For >1,536, Deduct	-0.31	
09 29 10 00-0040 SF 0.03" Polycarbonate Backed, Fire Rated, 5/8" Hi-Impact Gypsum Board.....	2.85	0.22
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.13	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.24	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.08	
For Horizontal Installation Up To 10' High, Add	0.16	
For Horizontal Installation >10' High, Add	0.24	
For Walls >10' High, Add	0.04	
For Up To 128, Add	0.66	
For >128 To 320, Add	0.36	
For >1,536, Deduct	-0.36	
09 29 10 00-0041 SF 0.08" Polycarbonate Backed, Fire Rated, 5/8" Hi-Impact Gypsum Board.....	5.50	0.22
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.16	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.24	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.08	
For Horizontal Installation Up To 10' High, Add	0.16	
For Horizontal Installation >10' High, Add	0.24	
For Walls >10' High, Add	0.04	
For Up To 128, Add	1.19	
For >128 To 320, Add	0.62	
For >1,536, Deduct	-0.78	
<b>09 29 10 00-0042 Hi-Abuse Gypsum Board (09 29 10 00-0001)</b>		
Note: Surface indentation, impact, abrasion and moisture/mold/mildew resistant.		
09 29 10 00-0043 SF 5/8" Fire Rated, Hi-Abuse Gypsum Board .....	1.41	0.22
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.12	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.24	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.08	
For Horizontal Installation Up To 10' High, Add	0.16	
For Horizontal Installation >10' High, Add	0.24	
For Walls >10' High, Add	0.04	
For Up To 128, Add	0.38	
For >128 To 320, Add	0.21	
For >1,536, Deduct	-0.16	
<b>09 29 10 00-0044 Soundproof Gypsum Board (09 29 10 00-0001)</b>		
Note: Minimum STC rating for 1/2" board is 49 and 5/8" board is 51.		
09 29 10 00-0045 SF 1/2" Soundproof Gypsum Board .....	3.25	0.23
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.14	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.24	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.08	
For Horizontal Installation Up To 10' High, Add	0.16	
For Horizontal Installation >10' High, Add	0.24	
For Walls >10' High, Add	0.04	
For Up To 128, Add	0.75	
For >128 To 320, Add	0.40	
For >1,536, Deduct	-0.44	
09 29 10 00-0046 SF 5/8" Soundproof Gypsum Board .....	4.09	0.23
For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.15	
For Times When The Shortest Distance From Corner to Corner Is <3', Add	0.24	
For Adhesive Applied Sheets Instead Of Fasteners (Includes Bracing Until Adhesive Is Bonded), Add	0.08	
For Horizontal Installation Up To 10' High, Add	0.16	
For Horizontal Installation >10' High, Add	0.24	
For Walls >10' High, Add	0.04	
For Up To 128, Add	0.91	
For >128 To 320, Add	0.48	
For >1,536, Deduct	-0.57	
<b>09 29 10 00-0047 Finishing Gypsum Board Applications (09 29 10)</b>		
Note: Includes flat or curved walls, columns, soffits, recesses, and chases. Tape, spackle, sand and finish gypsum board to the appropriate level as defined by ASTM C 840. No taping or finishing is required for Level 0. For Level 1, tape is set in compound at joints and interior angles. Ridges and tool marks are acceptable. For Level 2, tape is set in compound and wiped with a joint knife leaving a thin coating of compound over joints, interior angles, fastener heads, and beads. Ridges and tool marks are acceptable. Compound applied over the body of the tape at the time of the tape is set satisfies the conditions for this level. For Level 3, tape is set in compound and one additional coat of compound is applied over all joints and interior angles. Fastener heads and accessories receive two separate coats of joint compound. Ridges and tool marks are not acceptable. For Level 4, tape is set in compound and two separate coats of compound are applied over all flat joints with one separate coat of compound applied over interior angles. Fastener heads and accessories receive three separate coats of compound. Ridges and tool marks are not acceptable. A Level 5 finish is a Level 4 finish plus a thin skim coat of compound applied to the entire drywall surface. All levels of finish require that the surface be free of excess compound. A single modifier may be used to change the level of finish to the appropriate level.		
<b>09 29 10 00-0048 Finish Gypsum Board Walls, ASTM C840 Level 4 (09 29 10 00-0047)</b>		

**09 Finishes**  
**09 20 Plaster And Gypsum Board**  
**09 29 Gypsum Board**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0049	SF		Up To 10' High, Walls, Tape, Spackle And Finish Gypsum Board.....	0.47	
			<i>For Up To 128, Add</i>	0.18	
			<i>For &gt;128 To 320, Add</i>	0.11	
			<i>For &gt;5,400, Deduct</i>	-0.05	
			<i>For ASTM C840 Level 1 Finish, Deduct</i>	-0.22	
			<i>For ASTM C840 Level 2 Finish, Deduct</i>	-0.11	
			<i>For ASTM C840 Level 3 Finish, Deduct</i>	-0.04	
			<i>For ASTM C840 Level 5 High Quality Finish, Add</i>	0.35	
09 29 10 00-0050	SF		>10' High, Walls, Tape, Spackle And Finish Gypsum Board .....	0.62	
			Note: Use this task for the entire wall area when the wall is >10' high.		
			<i>For Up To 128, Add</i>	0.24	
			<i>For &gt;128 To 320, Add</i>	0.15	
			<i>For &gt;5,400, Deduct</i>	-0.06	
			<i>For ASTM C840 Level 1 Finish, Deduct</i>	-0.30	
			<i>For ASTM C840 Level 2 Finish, Deduct</i>	-0.15	
			<i>For ASTM C840 Level 3 Finish, Deduct</i>	-0.06	
			<i>For ASTM C840 Level 5 High Quality Finish, Add</i>	0.46	
<b>09 29 10 00-0051</b>			<b>Finish Gypsum Board Ceilings, ASTM C840 Level 4</b> <small>(09 29 10 00-0047)</small>		
09 29 10 00-0052	SF		Up To 10' High, Ceilings, Tape, Spackle And Finish Gypsum Board.....	0.61	
			<i>For Up To 128, Add</i>	0.23	
			<i>For &gt;128 To 320, Add</i>	0.15	
			<i>For &gt;5,400, Deduct</i>	-0.06	
			<i>For ASTM C840 Level 1 Finish, Deduct</i>	-0.29	
			<i>For ASTM C840 Level 2 Finish, Deduct</i>	-0.15	
			<i>For ASTM C840 Level 3 Finish, Deduct</i>	-0.06	
			<i>For ASTM C840 Level 5 High Quality Finish, Add</i>	0.45	
09 29 10 00-0053	SF		>10' High, Ceilings, Tape, Spackle And Finish Gypsum Board.....	0.82	
			Note: Use this task for the entire wall area when the wall is >10' high.		
			<i>For Up To 128, Add</i>	0.32	
			<i>For &gt;128 To 320, Add</i>	0.20	
			<i>For &gt;5,400, Deduct</i>	-0.08	
			<i>For ASTM C840 Level 1 Finish, Deduct</i>	-0.40	
			<i>For ASTM C840 Level 2 Finish, Deduct</i>	-0.20	
			<i>For ASTM C840 Level 3 Finish, Deduct</i>	-0.08	
			<i>For ASTM C840 Level 5 High Quality Finish, Add</i>	0.61	
<b>09 29 10 00-0054</b>			<b>Finish Gypsum Board Vertical Corners, ASTM C840 Level 4</b> <small>(09 29 10 00-0047)</small>		
			Note: Inside or outside gypsum board corners.		
09 29 10 00-0055	LF		Up To 10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board.....	0.95	
			<i>For ASTM C840 Level 1 Finish, Deduct</i>	-0.44	
			<i>For ASTM C840 Level 2 Finish, Deduct</i>	-0.22	
			<i>For ASTM C840 Level 3 Finish, Deduct</i>	-0.09	
			<i>For ASTM C840 Level 5 High Quality Finish, Add</i>	0.69	
09 29 10 00-0056	LF		>10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board.....	1.13	
			Note: Use this task for the entire wall area when the wall is >10' high.		
			<i>For ASTM C840 Level 1 Finish, Deduct</i>	-0.53	
			<i>For ASTM C840 Level 2 Finish, Deduct</i>	-0.26	
			<i>For ASTM C840 Level 3 Finish, Deduct</i>	-0.11	
			<i>For ASTM C840 Level 5 High Quality Finish, Add</i>	0.83	
<b>09 29 10 00-0057</b>			<b>Finish Gypsum Board Horizontal Corners, ASTM C840 Level 4</b> <small>(09 29 10 00-0047)</small>		
			Note: Inside or outside gypsum board corners.		
09 29 10 00-0058	LF		Up To 10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board.....	1.10	
			<i>For ASTM C840 Level 1 Finish, Deduct</i>	-0.51	
			<i>For ASTM C840 Level 2 Finish, Deduct</i>	-0.26	
			<i>For ASTM C840 Level 3 Finish, Deduct</i>	-0.10	
			<i>For ASTM C840 Level 5 High Quality Finish, Add</i>	0.81	
09 29 10 00-0059	LF		>10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board.....	1.31	
			Note: Use this task for the entire wall area when the wall is >10' high.		
			<i>For ASTM C840 Level 1 Finish, Deduct</i>	-0.62	
			<i>For ASTM C840 Level 2 Finish, Deduct</i>	-0.31	
			<i>For ASTM C840 Level 3 Finish, Deduct</i>	-0.12	
			<i>For ASTM C840 Level 5 High Quality Finish, Add</i>	0.96	
<b>09 29 10 00-0060</b>			<b>Casing And Corner Beads</b> <small>(09 29 10)</small>		
09 29 10 00-0061	LF		Casing, Galvanized Steel J-Bead For Gypsum Board .....	1.55	0.39
			<i>For Up To 100, Add</i>	0.13	
			<i>For &gt;500, Deduct</i>	-0.08	
09 29 10 00-0062	LF		Corner Bead, Galvanized Steel For Gypsum Board .....	1.52	0.39
			<i>For Up To 100, Add</i>	0.12	
			<i>For &gt;500, Deduct</i>	-0.08	
<b>09 29 10 00-0063</b>			<b>Prefomed Architectural Profiles</b> <small>(09 29 10)</small>		
<b>09 29 10 00-0064</b>			<b>Trim Reveals For Gypsum Board</b> <small>(09 29 10 00-0063)</small>		
09 29 10 00-0065	LF		1/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	2.55	0.48
09 29 10 00-0066	LF		1/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	2.57	0.48
09 29 10 00-0067	LF		3/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	2.67	0.48
09 29 10 00-0068	LF		1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	2.72	0.48



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0069	LF		5/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	2.85	0.48
09 29 10 00-0070	LF		3/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	2.97	0.48
09 29 10 00-0071	LF		1" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	3.09	0.48
09 29 10 00-0072	LF		1-1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	3.49	0.48
09 29 10 00-0073	LF		2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	3.88	0.48
09 29 10 00-0074	LF		1/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	2.58	0.51
09 29 10 00-0075	LF		1/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	2.58	0.51
09 29 10 00-0076	LF		3/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	2.85	0.51
09 29 10 00-0077	LF		1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	2.90	0.51
09 29 10 00-0078	LF		5/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	3.07	0.51
09 29 10 00-0079	LF		3/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	3.15	0.51
09 29 10 00-0080	LF		1" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	3.25	0.51
09 29 10 00-0081	LF		1 1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	3.69	0.51
09 29 10 00-0082	LF		2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	4.14	0.51
09 29 10 00-0083	LF		3" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	5.83	0.59
09 29 10 00-0084	LF		4" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.57	0.59
<b>09 29 10 00-0085 Edge Trim For Gypsum Board (09 29 10 00-0063)</b>					
09 29 10 00-0086	LF		1/2" Aluminum Extrusions, Edge Trim For Gypsum Board.....	2.27	0.49
09 29 10 00-0087	LF		5/8" Aluminum Extrusions, Edge Trim For Gypsum Board.....	2.46	0.49
09 29 10 00-0088	LF		1" Aluminum Extrusions, Edge Trim For Gypsum Board.....	2.92	0.54
09 29 10 00-0089	LF		1-1/4" Aluminum Extrusions, Edge Trim For Gypsum Board.....	3.07	0.59
09 29 10 00-0090	LF		1/2" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	4.74	0.49
09 29 10 00-0091	LF		5/8" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	4.94	0.49
09 29 10 00-0092	LF		1" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	5.39	0.54
09 29 10 00-0093	LF		1-1/4" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	5.54	0.59
<b>09 29 10 00-0094 Bevel Trim For Gypsum Board (09 29 10 00-0063)</b>					
09 29 10 00-0095	LF		5/16" x 1/4" Aluminum Extrusions, Bevel Trim For Gypsum Board.....	2.46	0.49
09 29 10 00-0096	LF		5/8" x 5/8" Aluminum Extrusions, Bevel Trim For Gypsum Board.....	2.85	0.54
<b>09 29 10 00-0097 Trim/Wainscot Caps For Gypsum Board (09 29 10 00-0063)</b>					
09 29 10 00-0098	LF		1-1/2" Wide Aluminum Extrusions, Trim/Wainscot Cap For Gypsum Board.....	3.49	0.59
<b>09 29 10 00-0099 Single Fin Wall/Trim Reveals For Gypsum Board (09 29 10 00-0063)</b>					
09 29 10 00-0100	LF		1/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	2.62	0.31
09 29 10 00-0101	LF		1/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	2.61	0.35
09 29 10 00-0102	LF		3/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	3.00	0.39
09 29 10 00-0103	LF		1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	3.17	0.44
09 29 10 00-0104	LF		5/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	3.34	0.48
09 29 10 00-0105	LF		3/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	3.41	0.48
09 29 10 00-0106	LF		1" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	3.64	0.48
09 29 10 00-0107	LF		1-1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	4.06	0.48
09 29 10 00-0108	LF		2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	4.21	0.48
09 29 10 00-0109	LF		1/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	3.07	0.51
09 29 10 00-0110	LF		1/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	3.12	0.51
09 29 10 00-0111	LF		3/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	3.40	0.51
09 29 10 00-0112	LF		1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	3.52	0.51
09 29 10 00-0113	LF		5/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	3.62	0.51
09 29 10 00-0114	LF		3/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	3.74	0.51
09 29 10 00-0115	LF		1" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	3.91	0.51
09 29 10 00-0116	LF		1-1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	4.36	0.51
09 29 10 00-0117	LF		2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	4.73	0.51
09 29 10 00-0118	LF		3" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	5.92	0.51
09 29 10 00-0119	LF		4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board.....	8.19	0.51
09 29 10 00-0120	LF		3-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	5.47	0.51
09 29 10 00-0121	LF		3-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	5.67	0.51
09 29 10 00-0122	LF		4-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	6.34	0.51
09 29 10 00-0123	LF		4-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board.....	6.41	0.51
09 29 10 00-0124	LF		9/16" Tall with 1/2" Reveal, Aluminum Extrusions, Single Fin Wall Base With Reveal For Gypsum Board.....	7.38	0.51
09 29 10 00-0125	LF		5/8" Aluminum Extrusions, Single Fin Wall/Trim Reveal Hanging Track For Gypsum Board.....	5.94	0.51
<b>09 29 10 00-0126 'V' Groove Wall Reveals For Gypsum Board (09 29 10 00-0063)</b>					
09 29 10 00-0127	LF		1/4" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	3.75	0.71
09 29 10 00-0128	LF		3/4" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	4.29	0.79
09 29 10 00-0129	LF		1" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	4.86	0.94
09 29 10 00-0130	LF		9/32" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board.....	4.87	1.02
<b>09 29 10 00-0131 Double Fin Wall Reveals For Gypsum Board (09 29 10 00-0063)</b>					
09 29 10 00-0132	LF		3/8" x 3/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	3.74	0.48
09 29 10 00-0133	LF		1/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	3.79	0.48
09 29 10 00-0134	LF		1/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	3.83	0.48
09 29 10 00-0135	LF		3/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	3.83	0.48
09 29 10 00-0136	LF		1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	4.06	0.48

**09 Finishes**

**09 20 Plaster And Gypsum Board**

**09 29 Gypsum Board**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0137	LF		5/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	4.16	0.47
09 29 10 00-0138	LF		3/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	4.26	0.48
09 29 10 00-0139	LF		1" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	4.48	0.48
09 29 10 00-0140	LF		1-1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	4.85	0.48
09 29 10 00-0141	LF		2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	5.24	0.48
09 29 10 00-0142	LF		3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	3.94	0.51
09 29 10 00-0143	LF		1/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	3.99	0.51
09 29 10 00-0144	LF		3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	4.09	0.51
09 29 10 00-0145	LF		1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	4.31	0.51
09 29 10 00-0146	LF		5/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	4.41	0.51
09 29 10 00-0147	LF		3/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	4.48	0.51
09 29 10 00-0148	LF		1" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	4.73	0.51
09 29 10 00-0149	LF		1-1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	5.13	0.51
09 29 10 00-0150	LF		2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	5.52	0.51
09 29 10 00-0151	LF		3" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	6.59	0.51
09 29 10 00-0152	LF		4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	8.81	0.51
09 29 10 00-0153	LF		1-1/2" x 1" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	7.79	0.56
09 29 10 00-0154	LF		3/4" x 1 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	8.82	0.68
09 29 10 00-0155	LF		1-1/2" x 1-1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board.....	9.14	0.68
09 29 10 00-0156	LF		1/2", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board.....	7.13	0.47
09 29 10 00-0157	LF		1 3/16", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board.....	6.32	0.68
09 29 10 00-0158	LF		1/4" Aluminum Extrusions, Double Fin Wall Covering Joiner For Gypsum Board.....	4.55	0.47
<b>09 29 10 00-0159</b>			<b>Special Conditions Reveals For Gypsum Board</b> (09 29 10 00-0063)		
<b>09 29 10 00-0160</b>			<b>Radius Conditions</b> (09 29 10 00-0159)		
09 29 10 00-0161	EA		8' Long Inside Radius For Gypsum Board..... Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	61.85	
09 29 10 00-0162	EA		8' Long Outside Radius For Gypsum Board..... Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	61.85	
09 29 10 00-0163	EA		8' Long Circular / Arched Radius For Gypsum Board..... Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	61.85	
<b>09 29 10 00-0164</b>			<b>Knee Brace Kit</b> (09 29 10 00-0159)		
09 29 10 00-0165	EA		46" H, Aluminum Extrusions, Knee Brace Kit For Gypsum Board.....	128.57	4.91
<b>09 29 10 00-0166</b>			<b>Wall Bumper Rail</b> (09 29 10 00-0159)		
09 29 10 00-0167	LF		2-1/2" x 5/8", Aluminum Extrusions, Wall Bumper Rail For Gypsum Board.....	16.30	1.96
<b>09 29 10 00-0168</b>			<b>Corners For Gypsum Board</b> (09 29 10 00-0063)		
09 29 10 00-0169	LF		1/2"R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	3.41	0.48
09 29 10 00-0170	LF		5/8"R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	3.64	0.51
09 29 10 00-0171	LF		3/4"R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	4.08	0.54
09 29 10 00-0172	LF		1"R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	4.60	0.56
09 29 10 00-0173	LF		1-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	5.58	0.68
09 29 10 00-0174	LF		2" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	6.48	0.77
09 29 10 00-0175	LF		2-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	7.94	0.88
09 29 10 00-0176	LF		3" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	9.69	1.02
09 29 10 00-0177	LF		4" R, Aluminum Extrusions, Outside Corner For Gypsum Board.....	13.36	1.37
09 29 10 00-0178	LF		90 Degree 3/8" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board.....	3.43	0.46
09 29 10 00-0179	LF		90 Degree 1-1/4" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board.....	6.57	0.62
09 29 10 00-0180	LF		90 Degree 1-1/4" Aluminum Extrusions, Fabric Tuck Corner For Gypsum Board.....	4.52	0.62
09 29 10 00-0181	LF		90 Degree 1-1/4" Aluminum Extrusions, Corner With Vertical Reveal For Gypsum Board.....	8.75	0.62
09 29 10 00-0182	LF		45 Degree 2" Aluminum Extrusions, Corner For Gypsum Board.....	12.56	0.77
09 29 10 00-0183	LF		60 Degree 2" Aluminum Extrusions, Corner For Gypsum Board.....	12.02	0.77
09 29 10 00-0184	LF		3/4" Aluminum Extrusions, Chamfered Corner For Gypsum Board.....	3.26	0.54
09 29 10 00-0185	LF		5/8" R, Aluminum Extrusions, Corners Return For Gypsum Board.....	3.32	0.51
09 29 10 00-0186	LF		1/2" x 1/2" Aluminum Extrusions, Double Corner Step For Gypsum Board.....	3.39	0.48
09 29 10 00-0187	LF		5/8" x 5/8" Aluminum Extrusions, Double Corner Step For Gypsum Board.....	3.54	0.51
09 29 10 00-0188	LF		1" x 1" Aluminum Extrusions, Double Corner Step For Gypsum Board.....	4.92	0.56
09 29 10 00-0189	LF		1/2" x 1/2" Aluminum Extrusions, Triple Corner Step For Gypsum Board.....	4.35	0.48
09 29 10 00-0190	LF		5/8" x 5/8" Aluminum Extrusions, Triple Corner Step For Gypsum Board.....	4.58	0.51
09 29 10 00-0191	LF		1" x 1" Aluminum Extrusions, Triple Corner Step For Gypsum Board.....	6.95	0.56
09 29 10 00-0192	LF		1/3" x 1/2" Aluminum Extrusions, Quad Corner Step For Gypsum Board.....	7.82	0.48
09 29 10 00-0193	LF		3" Aluminum Extrusions, Bullnose For Gypsum Board.....	13.18	1.02
09 29 10 00-0194	LF		3-7/8" Aluminum Extrusions, Bullnose For Gypsum Board.....	14.17	1.02
09 29 10 00-0195	LF		5-3/8", Aluminum Extrusions, Bullnose For Gypsum Board.....	26.46	1.70
09 29 10 00-0196	LF		7-3/8", Aluminum Extrusions, Bullnose For Gypsum Board.....	44.42	2.41
09 29 10 00-0197	LF		3/4" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	4.10	0.53
09 29 10 00-0198	LF		1" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	4.75	0.55
09 29 10 00-0199	LF		1-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	5.70	0.67
09 29 10 00-0200	LF		2"R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	7.07	0.76
09 29 10 00-0201	LF		2-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	10.29	0.86
09 29 10 00-0202	LF		3"R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	11.03	1.01
09 29 10 00-0203	LF		4" R, Aluminum Extrusions, Inside Corner For Gypsum Board.....	12.27	1.35
09 29 10 00-0204	LF		3-5/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board.....	7.62	1.01
09 29 10 00-0205	LF		3-7/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board.....	7.74	1.01



MINOR	TOTAL DIRECT	DEMOLITION	DESCRIPTION	UNIT COST	UNIT COST
CSI	UOM	UOM			

09 29 10 00-0206	LF	4-3/4", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board		8.53	1.01
09 29 10 00-0207	LF	5", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board		8.78	1.01

### 09 29 82 Gypsum Board Fire Protection (09 29)

09 29 82 00-0001		Shaft Wall <small>(09 29 82)</small>	See CSI section 09 29 10 00-0047 for finishing drywall.		
09 29 82 00-0002	SF	3/4" Fire Rated Shaft Wall Assembly	Note: 1/4" thick fiber-cement board with tapered edges over 1/2" thick type "X" gypsum board. Excludes studs or wall structure.	3.55	0.98
		<i>For Times When The Shortest Distance From Corner to Corner Is &lt;3', Add</i>		0.99	
		<i>For Horizontal Installation Up To 10' High, Add</i>		0.67	
		<i>For Horizontal Installation &gt;10' High, Add</i>		0.99	
		<i>For Walls &gt;10' High, Add</i>		0.16	
		<i>For Up To 128, Add</i>		1.10	
		<i>For &gt;128 To 320, Add</i>		0.65	
		<i>For &gt;1,536, Deduct</i>		-0.34	
09 29 82 00-0003	SF	7/8" Fire Rated Shaft Wall Assembly	Note: 1/4" thick fiber-cement board with tapered edges over 5/8" thick type "X" gypsum board. Excludes studs or wall structure.	3.97	1.18
		<i>For Times When The Shortest Distance From Corner to Corner Is &lt;3', Add</i>		1.18	
		<i>For Horizontal Installation Up To 10' High, Add</i>		0.80	
		<i>For Horizontal Installation &gt;10' High, Add</i>		1.18	
		<i>For Walls &gt;10' High, Add</i>		0.19	
		<i>For Up To 128, Add</i>		1.27	
		<i>For &gt;128 To 320, Add</i>		0.75	
		<i>For &gt;1,536, Deduct</i>		-0.36	
09 29 82 00-0004	SF	2-1/2", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly	Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.	3.49	0.76
		<i>For Times When The Shortest Distance From Corner to Corner Is &lt;3', Add</i>		0.76	
		<i>For Horizontal Installation Up To 10' High, Add</i>		0.51	
		<i>For Horizontal Installation &gt;10' High, Add</i>		0.76	
		<i>For Walls &gt;10' High, Add</i>		0.12	
		<i>For Up To 128, Add</i>		1.00	
		<i>For &gt;128 To 320, Add</i>		0.58	
		<i>For Glass Mat Surfaces, Add</i>		0.26	
09 29 82 00-0005	SF	4", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly	Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.	3.72	0.79
		<i>For Times When The Shortest Distance From Corner to Corner Is &lt;3', Add</i>		0.80	
		<i>For Horizontal Installation Up To 10' High, Add</i>		0.54	
		<i>For Horizontal Installation &gt;10' High, Add</i>		0.80	
		<i>For Walls &gt;10' High, Add</i>		0.13	
		<i>For Up To 128, Add</i>		1.06	
		<i>For &gt;128 To 320, Add</i>		0.61	
		<i>For Glass Mat Surfaces, Add</i>		0.26	
09 29 82 00-0006	SF	2-1/2", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly	Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.	4.12	0.79
		<i>For Times When The Shortest Distance From Corner to Corner Is &lt;3', Add</i>		0.80	
		<i>For Horizontal Installation Up To 10' High, Add</i>		0.54	
		<i>For Horizontal Installation &gt;10' High, Add</i>		0.80	
		<i>For Walls &gt;10' High, Add</i>		0.13	
		<i>For Up To 128, Add</i>		1.14	
		<i>For &gt;128 To 320, Add</i>		0.65	
		<i>For Glass Mat Surfaces, Add</i>		0.26	
09 29 82 00-0007	SF	4", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly	Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.	4.34	0.83
		<i>For Times When The Shortest Distance From Corner to Corner Is &lt;3', Add</i>		0.83	
		<i>For Horizontal Installation Up To 10' High, Add</i>		0.56	
		<i>For Horizontal Installation &gt;10' High, Add</i>		0.83	
		<i>For Walls &gt;10' High, Add</i>		0.13	
		<i>For Up To 128, Add</i>		1.20	
		<i>For &gt;128 To 320, Add</i>		0.68	
		<i>For Glass Mat Surfaces, Add</i>		0.26	
09 29 82 00-0008	SF	2-1/2", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel, Two Layer 1/2" Type C Drywall Wall Assembly	Note: Includes sealant installed at panel gaps. Excludes tape and finish.	5.23	0.96
		<i>For Times When The Shortest Distance From Corner to Corner Is &lt;3', Add</i>		1.16	
		<i>For Horizontal Installation Up To 10' High, Add</i>		0.79	
		<i>For Horizontal Installation &gt;10' High, Add</i>		1.16	
		<i>For Walls &gt;10' High, Add</i>		0.19	
		<i>For Up To 128, Add</i>		1.51	
		<i>For &gt;128 To 320, Add</i>		0.87	

### 09 30 Tiling (09)

Note: All tiles are standard grade ANSI 137.1 or higher, mounted and unmounted, cushioned or non-cushioned edge, all tile colors, all grout colors, PEI rating 1 through 4, and include patterns. Glazing shall meet ASTM C484 and C424. Mounted tiles are assembled into sheets to facilitate handling and installation. Perforated paper, fiber mesh, or other suitable bonding material applied to the front, backs or edges of the tile can be used to mount the tiles. Cushioned edge tile has facial edges with a distinct curvature that results in a slightly recessed joint. All floor, wall, ceiling, cove base and trim tile will be installed in accordance with ANSI 108.1 using these setting methods. Includes initial wax and seal.

### 09 30 13 Ceramic Tiling (09 30)

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.



**09 Finishes**

**09 30 Tiling**

**09 30 13 Ceramic Tiling**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 13 00-0001			<b>Ceramic Tiling</b> <small>(09 30 13)</small>		
09 30 13 00-0002	SF		2" x 2" x 1/4" Thick, Unpolished Ceramic Floor Tile.....	9.10	1.45
			Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.		
09 30 13 00-0003	SF		Less Than 8" x 8" Mounted Floor Tile.....	9.83	1.45
			Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
			<i>For Up To 50, Add</i>	4.63	
			<i>For &gt;50 To 250, Add</i>	0.58	
			<i>For &gt;1,000, Deduct</i>	-0.29	
			<i>For Epoxy Grout, Add</i>	0.91	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 13 00-0004	SF		8" x 8" And Larger Unmounted Floor Tile.....	10.54	0.89
			Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
			<i>For Up To 50, Add</i>	5.34	
			<i>For &gt;50 To 250, Add</i>	0.72	
			<i>For &gt;1,000, Deduct</i>	-0.36	
			<i>For Epoxy Grout, Add</i>	1.02	
			<i>For Heavy Duty Floors With A PEI 5 Rating, Add</i>	1.00	
09 30 13 00-0005	SF		Mounted Floor Tile, Residential Grade.....	7.26	1.45
			Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
			<i>For Up To 50, Add</i>	3.98	
			<i>For &gt;50 To 250, Add</i>	0.58	
			<i>For &gt;1,000, Deduct</i>	-0.29	
09 30 13 00-0006	SF		2" x 2" x 1/4" Thick, Unpolished Ceramic Mounted Wall Tile.....	9.71	1.75
			Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.		
09 30 13 00-0007	SF		Less than 8" x 8" Mounted Wall Tile.....	10.44	1.75
			Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
			<i>For Up To 50, Add</i>	5.24	
			<i>For &gt;50 To 250, Add</i>	0.70	
			<i>For &gt;1,000, Deduct</i>	-0.35	
			<i>For Epoxy Grout, Add</i>	1.01	
09 30 13 00-0008	SF		8" x 8" And Larger Unmounted Wall Tile.....	11.36	1.11
			Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
			<i>For Up To 50, Add</i>	6.16	
			<i>For &gt;50 To 250, Add</i>	0.88	
			<i>For &gt;1,000, Deduct</i>	-0.44	
			<i>For Epoxy Grout, Add</i>	1.14	
09 30 13 00-0009	SF		Mounted Wall Tile, Residential Grade.....	7.87	1.75
			Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
			<i>For Up To 50, Add</i>	4.59	
			<i>For &gt;50 To 250, Add</i>	0.70	
			<i>For &gt;1,000, Deduct</i>	-0.35	
09 30 13 00-0010	SF		Less than 8" x 8" Mounted Ceiling Tile.....	13.00	3.03
			Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
			<i>For Up To 50, Add</i>	7.80	
			<i>For &gt;50 To 250, Add</i>	1.21	
			<i>For &gt;1,000, Deduct</i>	-0.61	
			<i>For Chemical Resistant Epoxy Grout, Add</i>	1.21	
09 30 13 00-0011	SF		8" x 8" And Larger Unmounted Ceiling Tile.....	14.21	1.82
			Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
			<i>For Up To 50, Add</i>	9.01	
			<i>For &gt;50 To 250, Add</i>	1.45	
			<i>For &gt;1,000, Deduct</i>	-0.73	
			<i>For Chemical Resistant Epoxy Grout, Add</i>	1.39	
09 30 13 00-0012	LF		4-1/4" To 4-1/2" High Glazed Porcelain, Unglazed Porcelain And Glazed Ceramic Cove Base Or Trim.....	6.77	1.26
			<i>For Chemical Resistant Epoxy Grout, Add</i>	0.96	
09 30 13 00-0013	SF		2" x 2" x 1/4" Thick, Unpolished Ceramic Mounted Floor Tile, Residential Grade.....	6.24	1.45
			Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.		
09 30 13 00-0014	LF		6" High x 12" Long, Unpolished Ceramic Cove Base (Daltile Portfolio).....	10.51	1.26
09 30 13 00-0015	LF		6" High x 24" Long, Unpolished Ceramic Cove Base (Daltile Portfolio).....	11.99	1.26
09 30 13 00-0016	EA		6" High, Unpolished Ceramic Cove Base Outer Corner.....	10.21	0.28

**09 30 16 Quarry Tiling** (09 30)

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 16 00-0001	SF		Unglazed Quarry Floor Tile.....	7.46	1.02
			Note: With or without embedded abrasive grit.		
			<i>For Up To 50, Add</i>	4.90	
			<i>For &gt;50 To 250, Add</i>	0.81	
			<i>For &gt;1,000, Deduct</i>	-0.40	
			<i>For Epoxy Grout, Add</i>	1.09	
09 30 16 00-0002	SF		Glazed Quarry Floor Tile.....	18.07	1.02
			<i>For Up To 50, Add</i>	7.55	
			<i>For &gt;50 To 250, Add</i>	0.81	
			<i>For &gt;1,000, Deduct</i>	-0.40	
			<i>For Epoxy Grout, Add</i>	1.09	
09 30 16 00-0003	SF		Unglazed Quarry Wall Tile.....	8.27	1.20
			Note: With or without embedded abrasive grit.		



<b>Finishes</b>	<b>09</b>	<b>09</b>
Tiling	09 30	
Quarry Tiling	09 30 16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
			For Up To 50, Add	5.71	
			For >50 To 250, Add	0.97	
			For >1,000, Deduct	-0.49	
			For Epoxy Grout, Add	1.21	
09 30	16 00-0004	SF	Glazed Quarry Wall Tile.....	18.88	1.20
			For Up To 50, Add	8.36	
			For >50 To 250, Add	0.97	
			For >1,000, Deduct	-0.49	
			For Epoxy Grout, Add	1.21	
09 30	16 00-0005	LF	6" High Unglazed Quarry Tile Cove Base Or Trim.....	10.69	1.34
			For Chemical Resistant Epoxy Grout, Add	1.00	
09 30	16 00-0006	LF	6" High Glazed Quarry Tile Cove Base Or Trim .....	28.09	1.34
			For Chemical Resistant Epoxy Grout, Add	1.00	

**09 31 Thin-Set Tiling** (09 30)

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

**09 31 13 Thin-Set Ceramic Tiling** (09 31)

**09 31 13 00-0001 Thin-Set Ceramic Tiling** (09 31 13)

09 31	13 00-0002	SF	Thin Set - Latex Portland Cement Mortar .....	1.02	0.48
			For Up To 50, Add	0.80	
			For >50 To 250, Add	0.14	
			For >1,000, Deduct	-0.07	
09 31	13 00-0003	SF	Clean And Scarify Existing Tile For Installation Of New Tile Over Existing .....	0.46	
			For Up To 50, Add	0.46	
			For >50 To 250, Add	0.09	
			For >1,000, Deduct	-0.05	

**09 32 Mortar-Bed Tiling** (09 30)

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

**09 32 13 Mortar-Bed Ceramic Tiling** (09 32)

**09 32 13 00-0001 Mortar-Bed Ceramic Tiling** (09 32 13)

09 32	13 00-0002	SF	3/4" Minimum Thickness Portland Cement Mortar Setting Bed .....	2.61	0.96
			Note: For residential floors. Includes 15 LB felt and wire reinforcement.		
			For Up To 50, Add	1.73	
			For >50 To 250, Add	0.29	
			For >1,000, Deduct	-0.14	
			For Exterior Installation (Galvanized Reinforcement), Add	0.15	
09 32	13 00-0003	SF	1-1/4" Minimum Thickness Portland Cement Mortar Setting Bed .....	4.09	1.29
			Note: For commercial floors. Includes 15 LB felt and wire reinforcement.		
			For Up To 50, Add	2.46	
			For >50 To 250, Add	0.38	
			For >1,000, Deduct	-0.19	
			For Exterior Installation (Galvanized Reinforcement), Add	0.15	
09 32	13 00-0004	SF	3/4" Portland Cement Plaster Scratch Coat for Walls.....	7.34	2.89
			Note: Includes 15 LB felt and expanded metal lath.		
			For Up To 50, Add	6.16	
			For >50 To 250, Add	1.15	
			For >1,000, Deduct	-0.58	
			For Exterior Installation (Galvanized Reinforcement), Add	0.15	
			For Installation Without Felt And Metal Lath, Deduct	-1.55	

**09 34 Waterproofing-Membrane Tiling** (09 30)

**09 34 00 00-0001 Bonded Waterproofing System for Tiled Showers, Steam Showers, and Bathtub Surrounds** (09 34)

**09 34 00 00-0002 Prefabricated Assemblies For Tiled Showers (Schluter® KERDI Shower ST)** (09 34 00 00-0001)

Note: For creating a watertight sloped shower assembly without a mortar bed. Includes a prefabricated polystyrene foam shower tray, 6" x 4-1/2" prefabricated polystyrene foam shower curb, waterproofing membrane for shower tray and surround, and center shower drain. Excludes tile, mortar, grout and shower accessories.

09 34	00 00-0003	EA	48" x 48", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC).....	747.16	
09 34	00 00-0004	EA	32" x 60", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC).....	872.82	
09 34	00 00-0005	EA	72" x 72", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC).....	1,302.80	

**09 34 00 00-0006 Prefabricated Polystyrene Shower Curbs And Ramps** (09 34 00 00-0001)

Note: Prefabricated shower curbs and ramps for tiling over. Excludes tile.

09 34	00 00-0007	EA	15-7/8" Width, 48" Length, Prefabricated Polystyrene Shower Ramp (Schluter® SR-122).....	90.50	
09 34	00 00-0008	EA	4-1/2" Width, 6" Height, 48" Length, Prefabricated Polystyrene Shower Curb (Schluter® SC-122) .....	87.22	

**09 34 00 00-0009 Prefabricated Polystyrene Shower Benches** (09 34 00 00-0001)

Note: Prefabricated shower bench for tiling over. Excludes tile.

09 34	00 00-0010	EA	16" Width, 16" Depth, 20" Height, Triangular Prefabricated Polystyrene Shower Bench (Schluter® SB41).....	193.78	
09 34	00 00-0011	EA	32" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB4181).....	392.31	
09 34	00 00-0012	EA	48" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB41122).....	484.96	
09 34	00 00-0013	EA	32" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB2981).....	352.61	

**09 Finishes****09 30 Tiling****09 34 Waterproofing-Membrane Tiling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 34 00 00-0014 EA 42" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29107).....	392.31	
09 34 00 00-0015 EA 48" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29122).....	418.78	
<b>09 34 00 00-0016 Prefabricated Polystyrene Shower Tray</b> (09 34 00 00-0001) Note: Prefabricated shower tray for tiling over. Excludes tile.		
09 34 00 00-0017 EA 32" x 60", Prefabricated Polystyrene Shower Tray (Schluter® ST-81/152).....	163.30	
09 34 00 00-0018 EA 48" x 48", Prefabricated Polystyrene Shower Tray (Schluter® ST-122).....	163.30	
09 34 00 00-0019 EA 72" x 72", Prefabricated Polystyrene Shower Tray (Schluter® ST-183).....	255.94	
<b>09 34 00 00-0020 Waterproofing, Uncoupling And Vapor Management Membranes (Schluter® DITRA)</b> (09 34 00 00-0001)		
09 34 00 00-0021 SF 1/8" Thick, High-Density Polyethylene Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA).....	2.77	
09 34 00 00-0022 SF 5/16" Thick, High-Density Polyethylene Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA-XL).....	3.23	
<b>09 34 00 00-0023 Bonded Waterproof Underlayment Membranes (Schluter® KERDI)</b> (09 34 00 00-0001)		
09 34 00 00-0024 SF 0.008" Polyethylene Membrane With Polypropylene Fleece Laminated On Both Sides, Bonded Waterproof Underlayment Membrane (Schluter® KERDI 200/5M).....	2.41	
<b>09 35 Chemical-Resistant Tiling</b> (09 30)		
Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.		
<b>09 35 13 Chemical-Resistant Ceramic Tiling</b> (09 35)		
<b>09 35 13 00-0001 Chemical-Resistant Ceramic Tiling</b> (09 35 13)		
09 35 13 00-0002 SF Thin Set - Epoxy Mortar.....	4.25	0.63
Note: Impact and chemical resistant.		
For Up To 50, Add	1.79	
For >50 To 250, Add	0.19	
For >1,000, Deduct	-0.10	
<b>09 39 Tiling Transitions</b> (09 30)		
<b>09 39 00 00-0001 Tile Substrate (Schluter® KERDI BOARD)</b> (09 39)		
09 39 00 00-0002 SF 1/2" Tile Substrate And Building Panel (Schluter® KERDI BOARD).....	4.83	0.27
09 39 00 00-0003 SF 5/8" Tile Substrate And Building Panel (Schluter® KERDI BOARD).....	5.43	0.31
<b>09 39 00 00-0004 Floor Edge Protection And Transition Profiles For Tile</b> (09 39)		
09 39 00 00-0005 LF 1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	2.08	
09 39 00 00-0006 LF 5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	2.15	
09 39 00 00-0007 LF 3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	2.22	
09 39 00 00-0008 LF 1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE).....	2.34	
09 39 00 00-0009 LF 1/4" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS).....	2.83	
09 39 00 00-0010 LF 5/16" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS).....	2.93	
09 39 00 00-0011 LF 3/8" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS).....	3.00	
09 39 00 00-0012 LF 1/2" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS).....	3.07	
09 39 00 00-0013 LF 9/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T).....	2.19	
09 39 00 00-0014 LF 1" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T).....	3.07	
09 39 00 00-0015 LF 1/4" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	2.84	
09 39 00 00-0016 LF 5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	3.00	
09 39 00 00-0017 LF 3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	3.16	
09 39 00 00-0018 LF 1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	3.86	
09 39 00 00-0019 LF 5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U).....	2.95	
09 39 00 00-0020 LF 3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U).....	3.11	
09 39 00 00-0021 LF 1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U).....	3.82	
<b>09 39 00 00-0022 Outside Wall Edge Protection And Transition Profiles For Tile</b> (09 39)		
09 39 00 00-0023 LF 1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADDEC).....	2.93	
09 39 00 00-0024 LF 5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADDEC).....	3.10	
09 39 00 00-0025 LF 3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADDEC).....	3.34	
09 39 00 00-0026 LF 1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADDEC).....	3.59	
09 39 00 00-0027 LF 1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC).....	3.27	
09 39 00 00-0028 LF 5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC).....	3.58	
09 39 00 00-0029 LF 3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC).....	3.90	
09 39 00 00-0030 LF 1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC).....	4.44	

**09 50 Ceilings** (09)

Note: Includes cutting for area around columns, speakers, sprinklers, diffusers, etc.



<b>Finishes</b>	<b>09</b>	<b>09</b>
Ceilings	09 50	
Acoustical Ceilings	09 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**09 51 Acoustical Ceilings** (09 50)

Note: Excludes suspension system. See CSI section 09 53 00 00-0000 for suspension systems.

**09 51 13 Acoustical Panel Ceilings** (09 51)

Note: Includes cutting around sprinkler heads, speakers, or other penetrations through the ceiling.

**09 51 13 00-0001 Fiberglass Panels** (09 51 13)

**09 51 13 00-0002 Fiberglass Acoustical Panels** (09 51 13 00-0001)

<p>09 51 13 00-0003 SF 2' x 2' x 3/4" Fiberglass Acoustical Ceiling Panel (Armstrong Optima®).....</p> <p style="margin-left: 20px;">For Up To 50, Add 0.83</p> <p style="margin-left: 20px;">For &gt;50 To 200, Add 0.52</p> <p style="margin-left: 20px;">For &gt;200 To 500, Add 0.24</p> <p style="margin-left: 20px;">For &gt;2,500 To 4,000, Deduct -0.09</p> <p style="margin-left: 20px;">For &gt;4,000 To 5,000, Deduct -0.14</p> <p style="margin-left: 20px;">For &gt;5,000, Deduct -0.20</p> <p style="margin-left: 20px;">For Individual Room Quantities &lt;495, Add 0.52</p> <p style="margin-left: 40px;">Note: For use with projects &gt;500 SF</p> <p style="margin-left: 20px;">For Ceilings &gt;10' High, Add 0.03</p>	<p>4.33</p> <p>0.83</p> <p>0.52</p> <p>0.24</p> <p>-0.09</p> <p>-0.14</p> <p>-0.20</p> <p>0.52</p> <p>0.03</p>	<p>0.19</p>
<p>09 51 13 00-0004 SF 2' x 4' x 3/4" Fiberglass Acoustical Ceiling Panel (Armstrong Optima®).....</p> <p style="margin-left: 20px;">For Up To 50, Add 0.85</p> <p style="margin-left: 20px;">For &gt;50 To 200, Add 0.54</p> <p style="margin-left: 20px;">For &gt;200 To 500, Add 0.25</p> <p style="margin-left: 20px;">For &gt;2,500 To 4,000, Deduct -0.09</p> <p style="margin-left: 20px;">For &gt;4,000 To 5,000, Deduct -0.14</p> <p style="margin-left: 20px;">For &gt;5,000, Deduct -0.21</p> <p style="margin-left: 20px;">For Individual Room Quantities &lt;495, Add 0.54</p> <p style="margin-left: 40px;">Note: For use with projects &gt;500 SF</p> <p style="margin-left: 20px;">For Ceilings &gt;10' High, Add 0.03</p>	<p>4.49</p> <p>0.85</p> <p>0.54</p> <p>0.25</p> <p>-0.09</p> <p>-0.14</p> <p>-0.21</p> <p>0.54</p> <p>0.03</p>	<p>0.19</p>
<p>09 51 13 00-0005 SF 2' x 2' x 1" Fiberglass Acoustical Ceiling Panel (Armstrong Optima®).....</p> <p style="margin-left: 20px;">For Up To 50, Add 0.90</p> <p style="margin-left: 20px;">For &gt;50 To 200, Add 0.57</p> <p style="margin-left: 20px;">For &gt;200 To 500, Add 0.26</p> <p style="margin-left: 20px;">For &gt;2,500 To 4,000, Deduct -0.10</p> <p style="margin-left: 20px;">For &gt;4,000 To 5,000, Deduct -0.15</p> <p style="margin-left: 20px;">For &gt;5,000, Deduct -0.22</p> <p style="margin-left: 20px;">For Individual Room Quantities &lt;495, Add 0.57</p> <p style="margin-left: 40px;">Note: For use with projects &gt;500 SF</p> <p style="margin-left: 20px;">For Ceilings &gt;10' High, Add 0.03</p>	<p>4.82</p> <p>0.90</p> <p>0.57</p> <p>0.26</p> <p>-0.10</p> <p>-0.15</p> <p>-0.22</p> <p>0.57</p> <p>0.03</p>	<p>0.23</p>
<p>09 51 13 00-0006 SF 2' x 4' x 1" Fiberglass Acoustical Ceiling Panel (Armstrong Optima®).....</p> <p style="margin-left: 20px;">For Up To 50, Add 0.90</p> <p style="margin-left: 20px;">For &gt;50 To 200, Add 0.57</p> <p style="margin-left: 20px;">For &gt;200 To 500, Add 0.26</p> <p style="margin-left: 20px;">For &gt;2,500 To 4,000, Deduct -0.10</p> <p style="margin-left: 20px;">For &gt;4,000 To 5,000, Deduct -0.15</p> <p style="margin-left: 20px;">For &gt;5,000, Deduct -0.22</p> <p style="margin-left: 20px;">For Individual Room Quantities &lt;495, Add 0.57</p> <p style="margin-left: 40px;">Note: For use with projects &gt;500 SF</p> <p style="margin-left: 20px;">For Ceilings &gt;10' High, Add 0.03</p>	<p>4.79</p> <p>0.90</p> <p>0.57</p> <p>0.26</p> <p>-0.10</p> <p>-0.15</p> <p>-0.22</p> <p>0.57</p> <p>0.03</p>	<p>0.23</p>
<p>09 51 13 00-0007 SF 2' x 2' x 1" Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™).....</p> <p style="margin-left: 20px;">For Up To 50, Add 2.01</p> <p style="margin-left: 20px;">For &gt;50 To 200, Add 1.31</p> <p style="margin-left: 20px;">For &gt;200 To 500, Add 0.63</p> <p style="margin-left: 20px;">For &gt;2,500 To 4,000, Deduct -0.25</p> <p style="margin-left: 20px;">For &gt;4,000 To 5,000, Deduct -0.37</p> <p style="margin-left: 20px;">For &gt;5,000, Deduct -0.51</p> <p style="margin-left: 20px;">For Individual Room Quantities &lt;495, Add 1.31</p> <p style="margin-left: 40px;">Note: For use with projects &gt;500 SF</p> <p style="margin-left: 20px;">For Ceilings &gt;10' High, Add 0.03</p>	<p>12.19</p> <p>2.01</p> <p>1.31</p> <p>0.63</p> <p>-0.25</p> <p>-0.37</p> <p>-0.51</p> <p>1.31</p> <p>0.03</p>	<p>0.23</p>
<p>09 51 13 00-0008 SF 2' x 4' x 1" Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™).....</p> <p style="margin-left: 20px;">For Up To 50, Add 2.01</p> <p style="margin-left: 20px;">For &gt;50 To 200, Add 1.31</p> <p style="margin-left: 20px;">For &gt;200 To 500, Add 0.63</p> <p style="margin-left: 20px;">For &gt;2,500 To 4,000, Deduct -0.25</p> <p style="margin-left: 20px;">For &gt;4,000 To 5,000, Deduct -0.37</p> <p style="margin-left: 20px;">For &gt;5,000, Deduct -0.51</p> <p style="margin-left: 20px;">For Individual Room Quantities &lt;495, Add 1.31</p> <p style="margin-left: 40px;">Note: For use with projects &gt;500 SF</p> <p style="margin-left: 20px;">For Ceilings &gt;10' High, Add 0.03</p>	<p>12.19</p> <p>2.01</p> <p>1.31</p> <p>0.63</p> <p>-0.25</p> <p>-0.37</p> <p>-0.51</p> <p>1.31</p> <p>0.03</p>	<p>0.23</p>
<p>09 51 13 00-0009 Mineral Fiber Panels <small>(09 51 13)</small></p>		
<p>09 51 13 00-0010 Mineral Fiber Acoustical Ceiling Panels <small>(09 51 13 00-0009)</small></p> <p>Note: Includes square or regular edge and class A fire rating.</p>		
<p>09 51 13 00-0011 SF 2' x 2' x 5/8" Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured).....</p> <p style="margin-left: 20px;">For Up To 50, Add 0.42</p> <p style="margin-left: 20px;">For &gt;50 To 200, Add 0.25</p> <p style="margin-left: 20px;">For &gt;200 To 500, Add 0.10</p> <p style="margin-left: 20px;">For &gt;2,500 To 4,000, Deduct -0.03</p> <p style="margin-left: 20px;">For &gt;4,000 To 5,000, Deduct -0.06</p> <p style="margin-left: 20px;">For &gt;5,000, Deduct -0.09</p> <p style="margin-left: 20px;">For Individual Room Quantities &lt;495, Add 0.25</p> <p style="margin-left: 40px;">Note: For use with projects &gt;500 SF</p> <p style="margin-left: 20px;">For Vertical Application, Add 0.20</p> <p style="margin-left: 20px;">For Ceilings &gt;10' High, Add 0.03</p>	<p>1.63</p> <p>0.42</p> <p>0.25</p> <p>0.10</p> <p>-0.03</p> <p>-0.06</p> <p>-0.09</p> <p>0.25</p> <p>0.20</p> <p>0.03</p>	<p>0.23</p>

**09 Finishes**

**09 50 Ceilings**

**09 51 Acoustical Ceilings**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0012	SF		2' x 4' x 5/8" Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured).....	1.56	0.23
			For Up To 50, Add	0.41	
			For >50 To 200, Add	0.25	
			For >200 To 500, Add	0.10	
			For >2,500 To 4,000, Deduct	-0.03	
			For >4,000 To 5,000, Deduct	-0.06	
			For >5,000, Deduct	-0.09	
			For Individual Room Quantities <495, Add	0.25	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.20	
			For Ceilings >10' High, Add	0.03	
09 51 13 00-0013	SF		2' x 2' x 5/8" Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™) .....	1.79	0.23
			For Up To 50, Add	0.45	
			For >50 To 200, Add	0.27	
			For >200 To 500, Add	0.11	
			For >2,500 To 4,000, Deduct	-0.04	
			For >4,000 To 5,000, Deduct	-0.06	
			For >5,000, Deduct	-0.10	
			For Individual Room Quantities <495, Add	0.27	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.20	
			For Ceilings >10' High, Add	0.03	
09 51 13 00-0014	SF		2' x 4' x 5/8" Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™) .....	1.84	0.23
			For Up To 50, Add	0.46	
			For >50 To 200, Add	0.27	
			For >200 To 500, Add	0.11	
			For >2,500 To 4,000, Deduct	-0.04	
			For >4,000 To 5,000, Deduct	-0.06	
			For >5,000, Deduct	-0.10	
			For Individual Room Quantities <495, Add	0.27	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.20	
			For Ceilings >10' High, Add	0.03	
09 51 13 00-0015	SF		2' x 2' x 5/8" Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune).....	2.73	0.23
			For Up To 50, Add	0.59	
			For >50 To 200, Add	0.36	
			For >200 To 500, Add	0.16	
			For >2,500 To 4,000, Deduct	-0.06	
			For >4,000 To 5,000, Deduct	-0.09	
			For >5,000, Deduct	-0.14	
			For Individual Room Quantities <495, Add	0.36	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.20	
			For Ceilings >10' High, Add	0.03	
09 51 13 00-0016	SF		2' x 4' x 5/8" Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune).....	2.81	0.23
			For Up To 50, Add	0.60	
			For >50 To 200, Add	0.37	
			For >200 To 500, Add	0.16	
			For >2,500 To 4,000, Deduct	-0.06	
			For >4,000 To 5,000, Deduct	-0.09	
			For >5,000, Deduct	-0.14	
			For Individual Room Quantities <495, Add	0.37	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.20	
			For Ceilings >10' High, Add	0.03	
09 51 13 00-0017	SF		2' x 2' x 3/4" Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	2.92	0.23
			For Up To 50, Add	0.62	
			For >50 To 200, Add	0.38	
			For >200 To 500, Add	0.17	
			For >2,500 To 4,000, Deduct	-0.06	
			For >4,000 To 5,000, Deduct	-0.10	
			For >5,000, Deduct	-0.14	
			For Individual Room Quantities <495, Add	0.38	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.20	
			For Ceilings >10' High, Add	0.03	
09 51 13 00-0018	SF		2' x 4' x 3/4" Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	2.67	0.23
			For Up To 50, Add	0.58	
			For >50 To 200, Add	0.36	
			For >200 To 500, Add	0.16	
			For >2,500 To 4,000, Deduct	-0.06	
			For >4,000 To 5,000, Deduct	-0.09	
			For >5,000, Deduct	-0.13	
			For Individual Room Quantities <495, Add	0.36	
			Note: For use with projects >500 SF		
			For Vertical Application, Add	0.20	
			For Ceilings >10' High, Add	0.03	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Ceilings	09 50	
Acoustical Ceilings	09 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0019 SF 2' x 2' x 3/4" Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®).....	3.44	0.23
For Up To 50, Add	0.70	
For >50 To 200, Add	0.43	
For >200 To 500, Add	0.19	
For >2,500 To 4,000, Deduct	-0.07	
For >4,000 To 5,000, Deduct	-0.11	
For >5,000, Deduct	-0.16	
For Individual Room Quantities <495, Add	0.43	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.20	
For Ceilings >10' High, Add	0.03	
09 51 13 00-0020 SF 2' x 4' x 3/4" Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®).....	3.43	0.23
For Up To 50, Add	0.69	
For >50 To 200, Add	0.43	
For >200 To 500, Add	0.19	
For >2,500 To 4,000, Deduct	-0.07	
For >4,000 To 5,000, Deduct	-0.11	
For >5,000, Deduct	-0.16	
For Individual Room Quantities <495, Add	0.43	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.20	
For Ceilings >10' High, Add	0.03	
09 51 13 00-0021 SF 2' x 2' x 3/4" Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™/High Washability).....	3.91	0.23
For Up To 50, Add	0.77	
For >50 To 200, Add	0.48	
For >200 To 500, Add	0.22	
For >2,500 To 4,000, Deduct	-0.08	
For >4,000 To 5,000, Deduct	-0.13	
For >5,000, Deduct	-0.18	
For Individual Room Quantities <495, Add	0.48	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.20	
For Ceilings >10' High, Add	0.03	
09 51 13 00-0022 SF 2' x 4' x 3/4" Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™/High Washability).....	3.90	0.23
For Up To 50, Add	0.76	
For >50 To 200, Add	0.48	
For >200 To 500, Add	0.22	
For >2,500 To 4,000, Deduct	-0.08	
For >4,000 To 5,000, Deduct	-0.13	
For >5,000, Deduct	-0.18	
For Individual Room Quantities <495, Add	0.48	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.20	
For Ceilings >10' High, Add	0.03	
09 51 13 00-0023 SF 2' x 2' x 5/8" Mineral Fiber Acoustical Ceiling Panel (Armstrong VL Perforated) .....	4.54	0.23
For Up To 50, Add	0.86	
For >50 To 200, Add	0.54	
For >200 To 500, Add	0.25	
For >2,500 To 4,000, Deduct	-0.09	
For >4,000 To 5,000, Deduct	-0.15	
For >5,000, Deduct	-0.21	
For Individual Room Quantities <495, Add	0.54	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.20	
For Ceilings >10' High, Add	0.03	
09 51 13 00-0024 SF 2' x 4' x 5/8" Mineral Fiber Acoustical Ceiling Panel (Armstrong VL Perforated) .....	4.50	0.23
For Up To 50, Add	0.85	
For >50 To 200, Add	0.54	
For >200 To 500, Add	0.25	
For >2,500 To 4,000, Deduct	-0.09	
For >4,000 To 5,000, Deduct	-0.14	
For >5,000, Deduct	-0.21	
For Individual Room Quantities <495, Add	0.54	
Note: For use with projects >500 SF		
For Vertical Application, Add	0.20	
For Ceilings >10' High, Add	0.03	
09 51 13 00-0025 SF 20" x 60" x 5/8" Mineral Fiber Acoustical Ceiling Panel (USG 2617) .....	1.57	0.23
For Ceilings >10' High, Add	0.03	
09 51 13 00-0026 SF 20" x 60" x 5/8" Mineral Fiber Acoustical Ceiling Panel (USG 2627) .....	1.81	0.23
For Ceilings >10' High, Add	0.03	
<b>09 51 13 00-0027 Vinyl Faced, Gypsum Core Panels (09 51 13)</b>		
Note: National Gypsum Gold Bond Gridstone.		
09 51 13 00-0028 SF 2' x 2' x 1/2", Vinyl Faced, Gypsum Core Ceiling Panel.....	3.19	0.19
For Up To 50, Add	0.65	
For >50 To 200, Add	0.41	
For >200 To 500, Add	0.18	
For >2,500 To 4,000, Deduct	-0.07	
For >4,000 To 5,000, Deduct	-0.10	
For >5,000, Deduct	-0.15	
For Individual Room Quantities <495, Add	0.41	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.03	

**09 Finishes**

**09 50 Ceilings**

**09 51 Acoustical Ceilings**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0029	SF		2' x 4' x 1/2", Vinyl Faced, Gypsum Core Ceiling Panel.....	3.09	0.19
			<i>For Up To 50, Add</i>	0.64	
			<i>For &gt;50 To 200, Add</i>	0.40	
			<i>For &gt;200 To 500, Add</i>	0.18	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.06	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-0.10	
			<i>For &gt;5,000, Deduct</i>	-0.15	
			<i>For Individual Room Quantities &lt;495, Add</i>	0.40	
			<i>Note: For use with projects &gt;500 SF</i>		
			<i>For Ceilings &gt;10' High, Add</i>	0.03	
<b>09 51 13 00-0030</b>			<b>Wood Fiber Panels (09 51 13)</b>		
09 51 13 00-0031	SF		2' x 2' x 1/2" Wood Fiber Acoustical Ceiling Panels.....	3.07	0.31
			<i>For Up To 50, Add</i>	0.74	
			<i>For &gt;50 To 200, Add</i>	0.45	
			<i>For &gt;200 To 500, Add</i>	0.19	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.06	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-0.11	
			<i>For &gt;5,000, Deduct</i>	-0.16	
			<i>For Individual Room Quantities &lt;495, Add</i>	0.45	
			<i>Note: For use with projects &gt;500 SF</i>		
			<i>For Ceilings &gt;10' High, Add</i>	0.05	
09 51 13 00-0032	SF		2' x 4' x 1/2" Wood Fiber Acoustical Ceiling Panels.....	3.00	0.27
			<i>For Up To 50, Add</i>	0.70	
			<i>For &gt;50 To 200, Add</i>	0.43	
			<i>For &gt;200 To 500, Add</i>	0.18	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.06	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-0.10	
			<i>For &gt;5,000, Deduct</i>	-0.16	
			<i>For Individual Room Quantities &lt;495, Add</i>	0.43	
			<i>Note: For use with projects &gt;500 SF</i>		
			<i>For Ceilings &gt;10' High, Add</i>	0.05	
09 51 13 00-0033	SF		2' x 2' x 5/8" Wood Fiber Acoustical Ceiling Panels.....	4.13	0.31
			<i>For Up To 50, Add</i>	0.90	
			<i>For &gt;50 To 200, Add</i>	0.55	
			<i>For &gt;200 To 500, Add</i>	0.24	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.09	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-0.14	
			<i>For &gt;5,000, Deduct</i>	-0.21	
			<i>For Individual Room Quantities &lt;495, Add</i>	0.55	
			<i>Note: For use with projects &gt;500 SF</i>		
			<i>For Ceilings &gt;10' High, Add</i>	0.05	
09 51 13 00-0034	SF		2' x 4' x 5/8" Wood Fiber Acoustical Ceiling Panels.....	4.06	0.27
			<i>For Up To 50, Add</i>	0.86	
			<i>For &gt;50 To 200, Add</i>	0.53	
			<i>For &gt;200 To 500, Add</i>	0.23	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.08	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-0.13	
			<i>For &gt;5,000, Deduct</i>	-0.20	
			<i>For Individual Room Quantities &lt;495, Add</i>	0.53	
			<i>Note: For use with projects &gt;500 SF</i>		
			<i>For Ceilings &gt;10' High, Add</i>	0.05	
09 51 13 00-0035	SF		2' x 2' x 3/4" Wood Fiber Acoustical Ceiling Panels.....	5.15	0.31
			<i>For Up To 50, Add</i>	1.05	
			<i>For &gt;50 To 200, Add</i>	0.66	
			<i>For &gt;200 To 500, Add</i>	0.29	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.11	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-0.17	
			<i>For &gt;5,000, Deduct</i>	-0.25	
			<i>For Individual Room Quantities &lt;495, Add</i>	0.66	
			<i>Note: For use with projects &gt;500 SF</i>		
			<i>For Ceilings &gt;10' High, Add</i>	0.05	
09 51 13 00-0036	SF		2' x 4' x 3/4" Wood Fiber Acoustical Ceiling Panels.....	5.08	0.27
			<i>For Up To 50, Add</i>	1.01	
			<i>For &gt;50 To 200, Add</i>	0.63	
			<i>For &gt;200 To 500, Add</i>	0.29	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.10	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-0.17	
			<i>For &gt;5,000, Deduct</i>	-0.24	
			<i>For Individual Room Quantities &lt;495, Add</i>	0.63	
			<i>Note: For use with projects &gt;500 SF</i>		
			<i>For Ceilings &gt;10' High, Add</i>	0.05	
09 51 13 00-0037	SF		2' x 2' x 1" Wood Fiber Acoustical Ceiling Panels.....	3.69	0.31
			<i>For Up To 50, Add</i>	0.83	
			<i>For &gt;50 To 200, Add</i>	0.51	
			<i>For &gt;200 To 500, Add</i>	0.22	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.08	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-0.12	
			<i>For &gt;5,000, Deduct</i>	-0.19	
			<i>For Individual Room Quantities &lt;495, Add</i>	0.51	
			<i>Note: For use with projects &gt;500 SF</i>		
			<i>For Ceilings &gt;10' High, Add</i>	0.05	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Ceilings	09 50	
Acoustical Ceilings	09 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0038 SF 2' x 4' x 1" Wood Fiber Acoustical Ceiling Panels.....	3.62	0.27
For Up To 50, Add	0.80	
For >50 To 200, Add	0.49	
For >200 To 500, Add	0.21	
For >2,500 To 4,000, Deduct	-0.08	
For >4,000 To 5,000, Deduct	-0.12	
For >5,000, Deduct	-0.18	
For Individual Room Quantities <495, Add	0.49	
Note: For use with projects >500 SF		
For Ceilings >10' High, Add	0.05	
<b>09 51 13 00-0039 Removal And Reinstallation Of Acoustical Ceiling Panels (09 51 13)</b>		
Note: 2'x2' Or 2'x4'. Includes storage and cleaning.		
09 51 13 00-0040 SF Removal And Reinstallation Of Acoustical Ceiling Tile And Grid, 2' x 2' Or 2' x 4'.....	0.58	
For Ceilings >10' High, Add	0.04	
09 51 13 00-0041 SF Removal And Reinstallation Of Acoustical Panels Only .....	0.37	
For Ceilings >10' High, Add	0.03	
09 51 13 00-0042 SF Removal And Reinstallation Of Grid System Only .....	0.35	
For Ceilings >10' High, Add	0.03	
<b>09 51 23 Acoustical Tile Ceilings (09 51)</b>		
Note: Includes fastening with staples and/or adhesive.		
<b>09 51 23 00-0001 Mineral Fiber Acoustical Tile Ceilings (09 51 23)</b>		
09 51 23 00-0002 SF 12" x 12" x 1/2" Tongue And Groove Mineral Fiber Acoustical Ceiling Tile .....	2.79	0.44
For Furring 1 x 3 Strips 12" On Center, Add	0.50	
For Up To 50, Add	0.81	
For >50 To 200, Add	0.48	
For >200 To 500, Add	0.19	
For >2,500, Deduct	-0.14	
For Ceilings >10' High, Add	0.07	
09 51 23 00-0003 SF 12" x 12" x 5/8" Spline Mineral Fiber Acoustical Ceiling Tile.....	3.46	0.44
For Furring 1 x 3 Strips 12" On Center, Add	0.50	
For Up To 50, Add	0.91	
For >50 To 200, Add	0.54	
For >200 To 500, Add	0.22	
For >2,500, Deduct	-0.17	
For Placing Tiles In Suspended Ceiling System, Deduct	-0.29	
For Ceilings >10' High, Add	0.07	
09 51 23 00-0004 SF 12" x 12" x 3/4" Spline Mineral Fiber Acoustical Ceiling Tile.....	4.00	0.44
For Furring 1 x 3 Strips 12" On Center, Add	0.50	
For Up To 50, Add	0.99	
For >50 To 200, Add	0.60	
For >200 To 500, Add	0.25	
For >2,500, Deduct	-0.20	
For Placing Tiles In Suspended Ceiling System, Deduct	-0.29	
For Ceilings >10' High, Add	0.07	
<b>09 51 23 00-0005 Wood Fiber Acoustical Tile Ceilings (09 51 23)</b>		
09 51 23 00-0006 SF 12" x 12" x 1/2" Staple Flange Wood Fiber Acoustical Ceiling Tile.....	2.50	0.44
For Furring 1 x 3 Strips 12" On Center, Add	0.50	
For Up To 50, Add	0.77	
For >50 To 200, Add	0.45	
For >200 To 500, Add	0.17	
For >2,500, Deduct	-0.13	
For Ceilings >10' High, Add	0.07	
<b>09 51 33 Acoustical Metal Pan Ceilings (09 51)</b>		
<b>09 51 33 13 Acoustical Snap-in Metal Pan Ceilings (09 51 33)</b>		
09 51 33 13-0001 Acoustical Snap-In Metal Pan Ceilings (09 51 33 13)		
09 51 33 13-0002 Galvanized Steel, Acoustical Snap-In Metal Ceiling Panels (09 51 33 13-0001)		
09 51 33 13-0003 SF 24" x 24", Unperforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™).....	12.56	0.34
For Up To 50, Add	2.16	
For >50 To 200, Add	1.39	
For >200 To 500, Add	0.66	
For >2,500 To 4,000, Deduct	-0.25	
For >4,000 To 5,000, Deduct	-0.39	
For >5,000, Deduct	-0.54	
For Ceilings >10' High, Add	0.05	
09 51 33 13-0004 SF 24" x 24", Perforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™).....	13.48	0.34
For Up To 50, Add	2.30	
For >50 To 200, Add	1.49	
For >200 To 500, Add	0.71	
For >2,500 To 4,000, Deduct	-0.27	
For >4,000 To 5,000, Deduct	-0.42	
For >5,000, Deduct	-0.58	
For Ceilings >10' High, Add	0.05	



**09 Finishes**

**09 50 Ceilings**

**09 51 Acoustical Ceilings**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 51 33 13-0005 Aluminum, Acoustical Snap-In Metal Ceiling Panels <small>(09 51 33 13-0001)</small>			
09 51 33 13-0006	SF 24" x 24", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	9.14	0.39
	For Up To 50, Add	1.69	
	For >50 To 200, Add	1.07	
	For >200 To 500, Add	0.50	
	For >2,500 To 4,000, Deduct	-0.19	
	For >4,000 To 5,000, Deduct	-0.29	
	For >5,000, Deduct	-0.41	
	For Ceilings >10' High, Add	0.06	
09 51 33 13-0007	SF 24" x 24", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	15.96	0.39
	For Up To 50, Add	2.71	
	For >50 To 200, Add	1.75	
	For >200 To 500, Add	0.84	
	For >2,500 To 4,000, Deduct	-0.32	
	For >4,000 To 5,000, Deduct	-0.49	
	For >5,000, Deduct	-0.69	
	For Ceilings >10' High, Add	0.06	
09 51 33 13-0008	SF 24" x 24", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	31.86	0.39
	For Up To 50, Add	5.10	
	For >50 To 200, Add	3.34	
	For >200 To 500, Add	1.63	
	For >2,500 To 4,000, Deduct	-0.64	
	For >4,000 To 5,000, Deduct	-0.97	
	For >5,000, Deduct	-1.32	
	For Ceilings >10' High, Add	0.06	
09 51 33 13-0009	SF 24" x 24", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	14.07	0.39
	For Up To 50, Add	2.43	
	For >50 To 200, Add	1.57	
	For >200 To 500, Add	0.74	
	For >2,500 To 4,000, Deduct	-0.29	
	For >4,000 To 5,000, Deduct	-0.44	
	For >5,000, Deduct	-0.61	
	For Ceilings >10' High, Add	0.06	
09 51 33 13-0010	SF 24" x 24", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	9.68	0.39
	For Up To 50, Add	1.77	
	For >50 To 200, Add	1.13	
	For >200 To 500, Add	0.52	
	For >2,500 To 4,000, Deduct	-0.20	
	For >4,000 To 5,000, Deduct	-0.31	
	For >5,000, Deduct	-0.43	
	For Ceilings >10' High, Add	0.06	
09 51 33 13-0011	SF 24" x 24", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	15.53	0.39
	For Up To 50, Add	2.65	
	For >50 To 200, Add	1.71	
	For >200 To 500, Add	0.82	
	For >2,500 To 4,000, Deduct	-0.31	
	For >4,000 To 5,000, Deduct	-0.48	
	For >5,000, Deduct	-0.67	
	For Ceilings >10' High, Add	0.06	
09 51 33 13-0012	SF 24" x 24", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	31.62	0.39
	For Up To 50, Add	5.06	
	For >50 To 200, Add	3.32	
	For >200 To 500, Add	1.62	
	For >2,500 To 4,000, Deduct	-0.64	
	For >4,000 To 5,000, Deduct	-0.96	
	For >5,000, Deduct	-1.31	
	For Ceilings >10' High, Add	0.06	
09 51 33 13-0013	SF 24" x 24", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	13.95	0.39
	For Up To 50, Add	2.41	
	For >50 To 200, Add	1.55	
	For >200 To 500, Add	0.74	
	For >2,500 To 4,000, Deduct	-0.28	
	For >4,000 To 5,000, Deduct	-0.43	
	For >5,000, Deduct	-0.61	
	For Ceilings >10' High, Add	0.06	
09 51 33 13-0014	SF 30" x 30", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	12.67	0.39
	For Up To 50, Add	2.22	
	For >50 To 200, Add	1.43	
	For >200 To 500, Add	0.67	
	For >2,500 To 4,000, Deduct	-0.26	
	For >4,000 To 5,000, Deduct	-0.40	
	For >5,000, Deduct	-0.55	
	For Ceilings >10' High, Add	0.06	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Ceilings	09 50	
Acoustical Ceilings	09 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 13-0015	SF		30" x 30", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	16.87	0.39
			For Up To 50, Add	2.85	
			For >50 To 200, Add	1.85	
			For >200 To 500, Add	0.88	
			For >2,500 To 4,000, Deduct	-0.34	
			For >4,000 To 5,000, Deduct	-0.52	
			For >5,000, Deduct	-0.72	
			For Ceilings >10' High, Add	0.06	
09 51 33 13-0016	SF		30" x 30", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	35.21	0.39
			For Up To 50, Add	5.60	
			For >50 To 200, Add	3.68	
			For >200 To 500, Add	1.80	
			For >2,500 To 4,000, Deduct	-0.71	
			For >4,000 To 5,000, Deduct	-1.07	
			For >5,000, Deduct	-1.46	
			For Ceilings >10' High, Add	0.06	
09 51 33 13-0017	SF		30" x 30", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	16.69	0.39
			For Up To 50, Add	2.82	
			For >50 To 200, Add	1.83	
			For >200 To 500, Add	0.87	
			For >2,500 To 4,000, Deduct	-0.34	
			For >4,000 To 5,000, Deduct	-0.52	
			For >5,000, Deduct	-0.72	
			For Ceilings >10' High, Add	0.06	
09 51 33 13-0018	SF		30" x 30", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	13.46	0.39
			For Up To 50, Add	2.34	
			For >50 To 200, Add	1.50	
			For >200 To 500, Add	0.71	
			For >2,500 To 4,000, Deduct	-0.27	
			For >4,000 To 5,000, Deduct	-0.42	
			For >5,000, Deduct	-0.59	
			For Ceilings >10' High, Add	0.06	
09 51 33 13-0019	SF		30" x 30", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	17.30	0.39
			For Up To 50, Add	2.91	
			For >50 To 200, Add	1.89	
			For >200 To 500, Add	0.90	
			For >2,500 To 4,000, Deduct	-0.35	
			For >4,000 To 5,000, Deduct	-0.53	
			For >5,000, Deduct	-0.74	
			For Ceilings >10' High, Add	0.06	
09 51 33 13-0020	SF		30" x 30", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	36.43	0.39
			For Up To 50, Add	5.78	
			For >50 To 200, Add	3.80	
			For >200 To 500, Add	1.86	
			For >2,500 To 4,000, Deduct	-0.73	
			For >4,000 To 5,000, Deduct	-1.11	
			For >5,000, Deduct	-1.50	
			For Ceilings >10' High, Add	0.06	
09 51 33 13-0021	SF		30" x 30", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	17.12	0.39
			For Up To 50, Add	2.88	
			For >50 To 200, Add	1.87	
			For >200 To 500, Add	0.90	
			For >2,500 To 4,000, Deduct	-0.35	
			For >4,000 To 5,000, Deduct	-0.53	
			For >5,000, Deduct	-0.73	
			For Ceilings >10' High, Add	0.06	
09 51 33 13-0022	SF		12" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	11.39	0.39
			For Up To 50, Add	2.02	
			For >50 To 200, Add	1.30	
			For >200 To 500, Add	0.61	
			For >2,500 To 4,000, Deduct	-0.23	
			For >4,000 To 5,000, Deduct	-0.36	
			For >5,000, Deduct	-0.50	
			For Ceilings >10' High, Add	0.06	
09 51 33 13-0023	SF		12" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	19.07	0.39
			For Up To 50, Add	3.18	
			For >50 To 200, Add	2.07	
			For >200 To 500, Add	0.99	
			For >2,500 To 4,000, Deduct	-0.39	
			For >4,000 To 5,000, Deduct	-0.59	
			For >5,000, Deduct	-0.81	
			For Ceilings >10' High, Add	0.06	

**09 Finishes**

**09 50 Ceilings**

**09 51 Acoustical Ceilings**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 51 33 13-0024	SF 12" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	34.42	0.39
	For Up To 50, Add	5.48	
	For >50 To 200, Add	3.60	
	For >200 To 500, Add	1.76	
	For >2,500 To 4,000, Deduct	-0.69	
	For >4,000 To 5,000, Deduct	-1.05	
	For >5,000, Deduct	-1.42	
	For Ceilings >10' High, Add	0.06	
09 51 33 13-0025	SF 12" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	16.26	0.39
	For Up To 50, Add	2.76	
	For >50 To 200, Add	1.78	
	For >200 To 500, Add	0.85	
	For >2,500 To 4,000, Deduct	-0.33	
	For >4,000 To 5,000, Deduct	-0.50	
	For >5,000, Deduct	-0.70	
	For Ceilings >10' High, Add	0.06	
09 51 33 13-0026	SF 12" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	12.30	0.39
	For Up To 50, Add	2.16	
	For >50 To 200, Add	1.39	
	For >200 To 500, Add	0.65	
	For >2,500 To 4,000, Deduct	-0.25	
	For >4,000 To 5,000, Deduct	-0.38	
	For >5,000, Deduct	-0.54	
	For Ceilings >10' High, Add	0.06	
09 51 33 13-0027	SF 12" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	19.31	0.39
	For Up To 50, Add	3.21	
	For >50 To 200, Add	2.09	
	For >200 To 500, Add	1.01	
	For >2,500 To 4,000, Deduct	-0.39	
	For >4,000 To 5,000, Deduct	-0.60	
	For >5,000, Deduct	-0.82	
	For Ceilings >10' High, Add	0.06	
09 51 33 13-0028	SF 12" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	35.70	0.39
	For Up To 50, Add	5.67	
	For >50 To 200, Add	3.73	
	For >200 To 500, Add	1.82	
	For >2,500 To 4,000, Deduct	-0.72	
	For >4,000 To 5,000, Deduct	-1.09	
	For >5,000, Deduct	-1.48	
	For Ceilings >10' High, Add	0.06	
09 51 33 13-0029	SF 12" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	16.81	0.39
	For Up To 50, Add	2.84	
	For >50 To 200, Add	1.84	
	For >200 To 500, Add	0.88	
	For >2,500 To 4,000, Deduct	-0.34	
	For >4,000 To 5,000, Deduct	-0.52	
	For >5,000, Deduct	-0.72	
	For Ceilings >10' High, Add	0.06	
09 51 33 13-0030	SF 24" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	8.88	0.39
	For Up To 50, Add	1.65	
	For >50 To 200, Add	1.05	
	For >200 To 500, Add	0.48	
	For >2,500 To 4,000, Deduct	-0.18	
	For >4,000 To 5,000, Deduct	-0.28	
	For >5,000, Deduct	-0.40	
	For Ceilings >10' High, Add	0.06	
09 51 33 13-0031	SF 24" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	14.00	0.39
	For Up To 50, Add	2.42	
	For >50 To 200, Add	1.56	
	For >200 To 500, Add	0.74	
	For >2,500 To 4,000, Deduct	-0.28	
	For >4,000 To 5,000, Deduct	-0.44	
	For >5,000, Deduct	-0.61	
	For Ceilings >10' High, Add	0.06	
09 51 33 13-0032	SF 24" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	29.84	0.39
	For Up To 50, Add	4.79	
	For >50 To 200, Add	3.14	
	For >200 To 500, Add	1.53	
	For >2,500 To 4,000, Deduct	-0.60	
	For >4,000 To 5,000, Deduct	-0.91	
	For >5,000, Deduct	-1.24	
	For Ceilings >10' High, Add	0.06	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Ceilings	09 50	
Acoustical Ceilings	09 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 13-0033	SF		24" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	13.27	0.39
			For Up To 50, Add	2.31	
			For >50 To 200, Add	1.49	
			For >200 To 500, Add	0.70	
			For >2,500 To 4,000, Deduct	-0.27	
			For >4,000 To 5,000, Deduct	-0.41	
			For >5,000, Deduct	-0.58	
			For Ceilings >10' High, Add	0.06	
09 51 33 13-0034	SF		24" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	9.49	0.39
			For Up To 50, Add	1.74	
			For >50 To 200, Add	1.11	
			For >200 To 500, Add	0.51	
			For >2,500 To 4,000, Deduct	-0.19	
			For >4,000 To 5,000, Deduct	-0.30	
			For >5,000, Deduct	-0.43	
			For Ceilings >10' High, Add	0.06	
09 51 33 13-0035	SF		24" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	13.88	0.39
			For Up To 50, Add	2.40	
			For >50 To 200, Add	1.55	
			For >200 To 500, Add	0.73	
			For >2,500 To 4,000, Deduct	-0.28	
			For >4,000 To 5,000, Deduct	-0.43	
			For >5,000, Deduct	-0.60	
			For Ceilings >10' High, Add	0.06	
09 51 33 13-0036	SF		24" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	29.90	0.39
			For Up To 50, Add	4.80	
			For >50 To 200, Add	3.15	
			For >200 To 500, Add	1.53	
			For >2,500 To 4,000, Deduct	-0.60	
			For >4,000 To 5,000, Deduct	-0.91	
			For >5,000, Deduct	-1.24	
			For Ceilings >10' High, Add	0.06	
09 51 33 13-0037	SF		24" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	13.27	0.39
			For Up To 50, Add	2.31	
			For >50 To 200, Add	1.49	
			For >200 To 500, Add	0.70	
			For >2,500 To 4,000, Deduct	-0.27	
			For >4,000 To 5,000, Deduct	-0.41	
			For >5,000, Deduct	-0.58	
			For Ceilings >10' High, Add	0.06	
<b>09 51 33 23</b>			<b>Acoustical Lay-in Metal Pan Ceilings (09 51 33)</b>		
09 51 33 23-0001			Acoustical Lay-In Metal Pan Ceilings (09 51 33 23)		
09 51 33 23-0002			Aluminum, Acoustical Lay-In Metal Ceiling Panels (09 51 33 23-0001)		
09 51 33 23-0003	SF		24" x 24", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	9.73	0.29
			For Up To 50, Add	1.70	
			For >50 To 200, Add	1.09	
			For >200 To 500, Add	0.52	
			For >2,500 To 4,000, Deduct	-0.20	
			For >4,000 To 5,000, Deduct	-0.30	
			For >5,000, Deduct	-0.42	
			For Ceilings >10' High, Add	0.04	
09 51 33 23-0004	SF		24" x 24", Unperforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	11.10	0.29
			For Up To 50, Add	1.90	
			For >50 To 200, Add	1.23	
			For >200 To 500, Add	0.58	
			For >2,500 To 4,000, Deduct	-0.22	
			For >4,000 To 5,000, Deduct	-0.34	
			For >5,000, Deduct	-0.48	
			For Ceilings >10' High, Add	0.04	
09 51 33 23-0005	SF		24" x 24", Unperforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	16.58	0.29
			For Up To 50, Add	2.72	
			For >50 To 200, Add	1.78	
			For >200 To 500, Add	0.86	
			For >2,500 To 4,000, Deduct	-0.33	
			For >4,000 To 5,000, Deduct	-0.51	
			For >5,000, Deduct	-0.70	
			For Ceilings >10' High, Add	0.04	
09 51 33 23-0006	SF		24" x 24", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	13.99	0.29
			For Up To 50, Add	2.33	
			For >50 To 200, Add	1.52	
			For >200 To 500, Add	0.73	
			For >2,500 To 4,000, Deduct	-0.28	
			For >4,000 To 5,000, Deduct	-0.43	
			For >5,000, Deduct	-0.60	
			For Ceilings >10' High, Add	0.04	

## 09 Finishes

## 09 50 Ceilings

## 09 51 Acoustical Ceilings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 23-0007	SF		24" x 24", Perforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™) .....	15.06	0.29
			For Up To 50, Add	2.50	
			For >50 To 200, Add	1.62	
			For >200 To 500, Add	0.78	
			For >2,500 To 4,000, Deduct	-0.30	
			For >4,000 To 5,000, Deduct	-0.46	
			For >5,000, Deduct	-0.64	
			For Ceilings >10' High, Add	0.04	
09 51 33 23-0008	SF		24" x 24", Perforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™) .....	24.04	0.29
			For Up To 50, Add	3.84	
			For >50 To 200, Add	2.52	
			For >200 To 500, Add	1.23	
			For >2,500 To 4,000, Deduct	-0.48	
			For >4,000 To 5,000, Deduct	-0.73	
			For >5,000, Deduct	-1.00	
			For Ceilings >10' High, Add	0.04	
09 51 33 23-0009	SF		30" x 30", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™) .....	14.82	0.29
			For Up To 50, Add	2.46	
			For >50 To 200, Add	1.60	
			For >200 To 500, Add	0.77	
			For >2,500 To 4,000, Deduct	-0.30	
			For >4,000 To 5,000, Deduct	-0.46	
			For >5,000, Deduct	-0.63	
			For Ceilings >10' High, Add	0.04	
09 51 33 23-0010	SF		30" x 30", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™) .....	18.53	0.29
			For Up To 50, Add	3.02	
			For >50 To 200, Add	1.97	
			For >200 To 500, Add	0.96	
			For >2,500 To 4,000, Deduct	-0.37	
			For >4,000 To 5,000, Deduct	-0.57	
			For >5,000, Deduct	-0.78	
			For Ceilings >10' High, Add	0.04	
09 51 33 23-0011	SF		48" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™) .....	14.91	0.29
			For Up To 50, Add	2.47	
			For >50 To 200, Add	1.61	
			For >200 To 500, Add	0.78	
			For >2,500 To 4,000, Deduct	-0.30	
			For >4,000 To 5,000, Deduct	-0.46	
			For >5,000, Deduct	-0.63	
			For Ceilings >10' High, Add	0.04	
09 51 33 23-0012	SF		48" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™) .....	18.64	0.29
			For Up To 50, Add	3.03	
			For >50 To 200, Add	1.98	
			For >200 To 500, Add	0.96	
			For >2,500 To 4,000, Deduct	-0.38	
			For >4,000 To 5,000, Deduct	-0.57	
			For >5,000, Deduct	-0.78	
			For Ceilings >10' High, Add	0.04	
09 51 33 23-0013	SF		12" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™) .....	14.98	0.29
			For Up To 50, Add	2.48	
			For >50 To 200, Add	1.62	
			For >200 To 500, Add	0.78	
			For >2,500 To 4,000, Deduct	-0.30	
			For >4,000 To 5,000, Deduct	-0.46	
			For >5,000, Deduct	-0.63	
			For Ceilings >10' High, Add	0.04	
09 51 33 23-0014	SF		12" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™) .....	18.56	0.29
			For Up To 50, Add	3.02	
			For >50 To 200, Add	1.97	
			For >200 To 500, Add	0.96	
			For >2,500 To 4,000, Deduct	-0.37	
			For >4,000 To 5,000, Deduct	-0.57	
			For >5,000, Deduct	-0.78	
			For Ceilings >10' High, Add	0.04	
09 51 33 23-0015	SF		24" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™) .....	14.98	0.29
			For Up To 50, Add	2.48	
			For >50 To 200, Add	1.62	
			For >200 To 500, Add	0.78	
			For >2,500 To 4,000, Deduct	-0.30	
			For >4,000 To 5,000, Deduct	-0.46	
			For >5,000, Deduct	-0.63	
			For Ceilings >10' High, Add	0.04	
09 51 33 23-0016	SF		24" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™) .....	18.71	0.29
			For Up To 50, Add	3.04	
			For >50 To 200, Add	1.99	
			For >200 To 500, Add	0.97	
			For >2,500 To 4,000, Deduct	-0.38	
			For >4,000 To 5,000, Deduct	-0.57	
			For >5,000, Deduct	-0.78	
			For Ceilings >10' High, Add	0.04	

09 51 33 23-0017 Steel, Acoustical Lay-In Metal Ceiling Panels (09 51 33 23-0001)



<b>Finishes</b>	<b>09</b>	<b>09</b>
Ceilings	09 50	
Acoustical Ceilings	09 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 23-0018	SF		24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	12.73	0.29
			<i>For Up To 50, Add</i>	2.15	
			<i>For &gt;50 To 200, Add</i>	1.39	
			<i>For &gt;200 To 500, Add</i>	0.67	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.26	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-0.39	
			<i>For &gt;5,000, Deduct</i>	-0.54	
			<i>For Ceilings &gt;10' High, Add</i>	0.04	
09 51 33 23-0019	SF		24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	15.28	0.29
			<i>For Up To 50, Add</i>	2.53	
			<i>For &gt;50 To 200, Add</i>	1.65	
			<i>For &gt;200 To 500, Add</i>	0.79	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.31	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-0.47	
			<i>For &gt;5,000, Deduct</i>	-0.65	
			<i>For Ceilings &gt;10' High, Add</i>	0.04	
09 51 33 23-0020	SF		24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	16.44	0.29
			<i>For Up To 50, Add</i>	2.70	
			<i>For &gt;50 To 200, Add</i>	1.76	
			<i>For &gt;200 To 500, Add</i>	0.85	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.33	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-0.51	
			<i>For &gt;5,000, Deduct</i>	-0.69	
			<i>For Ceilings &gt;10' High, Add</i>	0.04	
09 51 33 23-0021	SF		24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	15.41	0.29
			<i>For Up To 50, Add</i>	2.55	
			<i>For &gt;50 To 200, Add</i>	1.66	
			<i>For &gt;200 To 500, Add</i>	0.80	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.31	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-0.47	
			<i>For &gt;5,000, Deduct</i>	-0.65	
			<i>For Ceilings &gt;10' High, Add</i>	0.04	
09 51 33 23-0022	SF		24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	15.83	0.29
			<i>For Up To 50, Add</i>	2.61	
			<i>For &gt;50 To 200, Add</i>	1.70	
			<i>For &gt;200 To 500, Add</i>	0.82	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.32	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-0.49	
			<i>For &gt;5,000, Deduct</i>	-0.67	
			<i>For Ceilings &gt;10' High, Add</i>	0.04	
09 51 33 23-0023	SF		24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®).....	16.81	0.29
			<i>For Up To 50, Add</i>	2.76	
			<i>For &gt;50 To 200, Add</i>	1.80	
			<i>For &gt;200 To 500, Add</i>	0.87	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.34	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-0.52	
			<i>For &gt;5,000, Deduct</i>	-0.71	
			<i>For Ceilings &gt;10' High, Add</i>	0.04	

**09 51 33 33 Acoustical Tegular Lay-in Metal Pan Ceilings (09 51 33)**

09 51 33 33-0001 Acoustical Tegular Lay-In Metal Pan Ceilings (09 51 33 33)

09 51 33 33-0002 Steel, Acoustical Tegular Lay-In Metal Pan Ceilings (09 51 33 33-0001)

09 51 33 33-0003	SF		24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	9.13	0.29
			<i>For Up To 50, Add</i>	1.61	
			<i>For &gt;50 To 200, Add</i>	1.03	
			<i>For &gt;200 To 500, Add</i>	0.49	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.19	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-0.29	
			<i>For &gt;5,000, Deduct</i>	-0.40	
			<i>For Ceilings &gt;10' High, Add</i>	0.04	
09 51 33 33-0004	SF		24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	10.35	0.29
			<i>For Up To 50, Add</i>	1.79	
			<i>For &gt;50 To 200, Add</i>	1.15	
			<i>For &gt;200 To 500, Add</i>	0.55	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.21	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-0.32	
			<i>For &gt;5,000, Deduct</i>	-0.45	
			<i>For Ceilings &gt;10' High, Add</i>	0.04	

**09 Finishes**

**09 50 Ceilings**

**09 51 Acoustical Ceilings**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 33-0005	SF		24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	14.86	0.29
			<i>For Up To 50, Add</i> .....	2.47	
			<i>For &gt;50 To 200, Add</i> .....	1.60	
			<i>For &gt;200 To 500, Add</i> .....	0.77	
			<i>For &gt;2,500 To 4,000, Deduct</i> .....	-0.30	
			<i>For &gt;4,000 To 5,000, Deduct</i> .....	-0.46	
			<i>For &gt;5,000, Deduct</i> .....	-0.63	
			<i>For Ceilings &gt;10' High, Add</i> .....	0.04	
09 51 33 33-0006	SF		24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	10.47	0.29
			<i>For Up To 50, Add</i> .....	1.81	
			<i>For &gt;50 To 200, Add</i> .....	1.17	
			<i>For &gt;200 To 500, Add</i> .....	0.55	
			<i>For &gt;2,500 To 4,000, Deduct</i> .....	-0.21	
			<i>For &gt;4,000 To 5,000, Deduct</i> .....	-0.33	
			<i>For &gt;5,000, Deduct</i> .....	-0.45	
			<i>For Ceilings &gt;10' High, Add</i> .....	0.04	
09 51 33 33-0007	SF		24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	11.93	0.29
			<i>For Up To 50, Add</i> .....	2.03	
			<i>For &gt;50 To 200, Add</i> .....	1.31	
			<i>For &gt;200 To 500, Add</i> .....	0.63	
			<i>For &gt;2,500 To 4,000, Deduct</i> .....	-0.24	
			<i>For &gt;4,000 To 5,000, Deduct</i> .....	-0.37	
			<i>For &gt;5,000, Deduct</i> .....	-0.51	
			<i>For Ceilings &gt;10' High, Add</i> .....	0.04	
09 51 33 33-0008	SF		24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™) .....	16.26	0.29
			<i>For Up To 50, Add</i> .....	2.68	
			<i>For &gt;50 To 200, Add</i> .....	1.74	
			<i>For &gt;200 To 500, Add</i> .....	0.84	
			<i>For &gt;2,500 To 4,000, Deduct</i> .....	-0.33	
			<i>For &gt;4,000 To 5,000, Deduct</i> .....	-0.50	
			<i>For &gt;5,000, Deduct</i> .....	-0.69	
			<i>For Ceilings &gt;10' High, Add</i> .....	0.04	

**09 53 Acoustical Ceiling Suspension Assemblies (09 50)**

**09 53 13 Curved Profile Ceiling Suspension (09 53)**

**09 53 13 00-0001 Perimeter Trim (09 53 13)**

09 53 13 00-0002	LF	2" Straight Section Axiom Perimeter Trim .....	13.26
09 53 13 00-0003	LF	4" Straight Section Axiom Perimeter Trim .....	16.17
09 53 13 00-0004	LF	6" Straight Section Axiom Perimeter Trim .....	18.11
09 53 13 00-0005	EA	2" Corner Section Axiom Perimeter Trim .....	24.45
09 53 13 00-0006	EA	4" Corner Section Axiom Perimeter Trim .....	31.43
09 53 13 00-0007	EA	6" Corner Section Axiom Perimeter Trim .....	35.50

**09 53 23 Metal Acoustical Ceiling Suspension Assemblies (09 53)**

**09 53 23 00-0001 Ceiling Suspension Systems (09 53 23)**

Note: Hot-dipped galvanized steel. Includes single 8 gauge wire hangers (between 3' To 4') attached from wood deck or wood members above to main members 4' on center. Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape (where required). All above shall be mechanically installed by minimum 2-1/4" x 3/8" wedge anchors. Excludes chain supports for lights.

09 53 23 00-0002	SF	12" x 12" Ceiling Tile Size, Concealed 15/16" T Bar Ceiling Suspension System .....	2.37	0.19
		Note: Excludes ceiling tile.		
		<i>For Fastening To Concrete, Add</i> .....	0.55	
		<i>For Fastening To Steel, Add</i> .....	0.68	
		<i>For Vertical Application, Add</i> .....	0.83	
		<i>For Individual Room Quantities &lt;495, Add</i> .....	0.21	
		Note: For use with projects >500 SF		
		<i>For Compression Posts, Telescopic, With Splay Wires, Attached To Structure, Add Per Each</i> .....	40.69	
		<i>For Up To 50, Add</i> .....	0.74	
		<i>For &gt;50 To 200, Add</i> .....	0.43	
		<i>For &gt;200 To 500, Add</i> .....	0.17	
		<i>For &gt;2,500 To 4,000, Deduct</i> .....	-0.05	
		<i>For &gt;4,000 To 5,000, Deduct</i> .....	-0.09	
		<i>For &gt;5,000, Deduct</i> .....	-0.13	
		<i>For Ceilings &gt;10' High, Add</i> .....	0.07	



<b>Finishes</b>	<b>09</b>	<b>09</b>
<b>Ceilings</b>	<b>09 50</b>	
<b>Acoustical Ceiling Suspension Assemblies</b>	<b>09 53</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0003 SF 1' x 2' Grid, 15/16" T Bar Ceiling Suspension System .....	1.96	0.19
For UL Listed (Fire Guard), Add	0.18	
For 1-1/2" Wide Faced Grid, Add	0.33	
For Fastening To Concrete, Add	0.53	
For Fastening To Steel, Add	0.66	
For Vertical Application, Add	0.69	
For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
For 9/16" Narrow Faced Grid, Add	0.29	
For Individual Room Quantities <495, Add	0.18	
Note: For use with projects >500 SF		
For Aluminum T-Bar System, Add	0.53	
For Compression Posts, Telescopic, With Splay Wires, Attached To Structure, Add Per Each	40.67	
For Up To 50, Add	0.61	
For >50 To 200, Add	0.35	
For >200 To 500, Add	0.14	
For >2,500 To 4,000, Deduct	-0.04	
For >4,000 To 5,000, Deduct	-0.07	
For >5,000, Deduct	-0.11	
For Ceilings >10' High, Add	0.06	
09 53 23 00-0004 SF 2' x 2' Grid, 15/16" T Bar Ceiling Suspension System .....	1.47	0.19
For UL Listed (Fire Guard), Add	0.12	
For 1-1/2" Wide Faced Grid, Add	0.23	
For Fastening To Concrete, Add	0.52	
For Fastening To Steel, Add	0.65	
For Vertical Application, Add	0.58	
For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
For 9/16" Narrow Faced Grid, Add	0.20	
For Individual Room Quantities <495, Add	0.14	
Note: For use with projects >500 SF		
For Aluminum T-Bar System, Add	0.36	
For Compression Posts, Telescopic, With Splay Wires, Attached To Structure, Add Per Each	40.66	
For Up To 50, Add	0.48	
For >50 To 200, Add	0.28	
For >200 To 500, Add	0.11	
For >2,500 To 4,000, Deduct	-0.03	
For >4,000 To 5,000, Deduct	-0.06	
For >5,000, Deduct	-0.08	
For Black Grid, Add	0.10	
For Ceilings >10' High, Add	0.05	
For Concealed Spline Grid, Add	0.27	
09 53 23 00-0005 SF 2' x 4' Grid, 15/16" T Bar Ceiling Suspension System .....	1.18	0.19
For UL Listed (Fire Guard), Add	0.09	
For 1-1/2" Wide Faced Grid, Add	0.18	
For Fastening To Concrete, Add	0.51	
For Fastening To Steel, Add	0.64	
For Vertical Application, Add	0.55	
For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
For 9/16" Narrow Faced Grid, Add	0.16	
For Individual Room Quantities <495, Add	0.11	
Note: For use with projects >500 SF		
For Aluminum T-Bar System, Add	0.28	
For Compression Posts, Telescopic, With Splay Wires, Attached To Structure, Add Per Each	40.65	
For Up To 50, Add	0.40	
For >50 To 200, Add	0.23	
For >200 To 500, Add	0.09	
For >2,500 To 4,000, Deduct	-0.03	
For >4,000 To 5,000, Deduct	-0.05	
For >5,000, Deduct	-0.07	
For Black Grid, Add	0.08	
For Ceilings >10' High, Add	0.04	
For Concealed Spline Grid, Add	0.21	
09 53 23 00-0006 SF 2' x 5' Grid, 15/16" T Bar Ceiling Suspension System .....	1.14	0.19
For UL Listed (Fire Guard), Add	0.10	
For 1-1/2" Wide Faced Grid, Add	0.18	
For Fastening To Concrete, Add	0.50	
For Fastening To Steel, Add	0.63	
For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
For 9/16" Narrow Faced Grid, Add	0.17	
For Individual Room Quantities <495, Add	0.11	
Note: For use with projects >500 SF		
For Aluminum T-Bar System, Add	0.30	
For Compression Posts, Telescopic, With Splay Wires, Attached To Structure, Add Per Each	40.64	
For Up To 50, Add	0.36	
For >50 To 200, Add	0.21	
For >200 To 500, Add	0.08	
For >2,500 To 4,000, Deduct	-0.03	
For >4,000 To 5,000, Deduct	-0.04	
For >5,000, Deduct	-0.06	
For Ceilings >10' High, Add	0.04	



**09 Finishes****09 50 Ceilings****09 53 Acoustical Ceiling Suspension Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0007	SF		2', 15/16" Suspended Ceiling Cross Tee ..... Note: Can be used to convert an existing 2' x 4' suspension system to a 2' x 2' system or to replace an individual component. For 1-1/2" Wide Faced Grid, Add For Vertical Application, Add For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add For 9/16" Narrow Faced Grid, Add For Individual Room Quantities <495, Add Note: For use with projects >500 SF For Aluminum T-Bar System, Add For Up To 50, Add For >50 To 200, Add For >200 To 500, Add For >2,500 To 4,000, Deduct For >4,000 To 5,000, Deduct For >5,000, Deduct For Ceilings >10' High, Add	0.40	0.11
				0.05	
				0.22	
				2.50	
				0.05	
				0.04	
				0.08	
				0.15	
				0.08	
				0.03	
				-0.01	
				-0.02	
				-0.02	
				0.02	
<b>09 53 23 00-0008</b>			<b>Ceiling Suspension System Accessories (09 53 23)</b>		
09 53 23 00-0009	LF		Pencil Rod Support For Suspended Ceiling with Accessories.....	0.64	
09 53 23 00-0010	LF		1" x 1/8" Flat Bar Bracing For Suspended Ceiling..... For 304 Stainless Steel, Add For 316 Stainless Steel, Add For Aluminum, Add For Galvanized Steel, Add	1.40	0.55
				1.65	
				1.86	
				0.10	
				0.36	
09 53 23 00-0011	LF		1" x 3/16" Flat Bar Bracing For Suspended Ceiling..... For 304 Stainless Steel, Add For 316 Stainless Steel, Add For Aluminum, Add For Galvanized Steel, Add	2.02	0.59
				2.51	
				2.82	
				0.16	
				0.55	
09 53 23 00-0012	LF		1-1/2" x 1/4" Flat Bar Bracing For Suspended Ceiling ..... For 304 Stainless Steel, Add For 316 Stainless Steel, Add For Aluminum, Add For Galvanized Steel, Add	3.06	0.63
				5.02	
				5.63	
				0.32	
				1.09	
<b>09 54 Specialty Ceilings (09 50)</b>					
<b>09 54 23 Linear Metal Ceilings (09 54)</b>					
09 54 23 00-0001			Linear Ceiling Systems (09 54 23)		
09 54 23 00-0002			0.032" Aluminum, Linear Ceiling Systems (09 54 23 00-0001) Note: For flat ceilings. Includes round or box style panels with KYNAR 500® or HYLAR 5000® PVDF finish. Includes ceiling suspension system and flush or recessed filler strips.		
09 54 23 00-0003	SF		4" Panel Width, 0.032" Aluminum, Linear Ceiling System ..... For Up To 50, Add For >50 To 200, Add For >200 To 500, Add For >2,500, Deduct For Ceilings >10' High, Add For Linear Ceiling Systems Without Filler Strips, Deduct For Curved Ceilings, Add	11.84	0.99
				2.73	
				1.66	
				0.71	
				-0.59	
				0.18	
				-2.33	
				0.70	
09 54 23 00-0004	SF		8" Panel Width, 0.032" Aluminum, Linear Ceiling System ..... For Up To 50, Add For >50 To 200, Add For >200 To 500, Add For >2,500, Deduct For Ceilings >10' High, Add For Linear Ceiling Systems Without Filler Strips, Deduct For Curved Ceilings, Add	9.37	0.99
				2.34	
				1.41	
				0.59	
				-0.47	
				0.18	
				-1.17	
				0.69	
09 54 23 00-0005	SF		12" Panel Width, 0.032" Aluminum, Linear Ceiling System..... For Up To 50, Add For >50 To 200, Add For >200 To 500, Add For >2,500, Deduct For Ceilings >10' High, Add For Linear Ceiling Systems Without Filler Strips, Deduct For Curved Ceilings, Add	8.43	0.99
				2.18	
				1.30	
				0.54	
				-0.42	
				0.17	
				-0.78	
				0.68	
09 54 23 00-0006			<b>Tin Ceilings (09 54 23)</b>		
09 54 23 00-0007	SF		2' x 2' Tin Ceiling Embossed Panels ..... For Up To 50, Add For >50 To 200, Add For >200 To 500, Add For >2,500, Deduct For Ceilings >10' High, Add	19.39	1.55
				3.65	
				2.31	
				1.06	
				-0.97	
				0.14	
09 54 23 00-0008	SF		12" x 12" Tin Ceiling Embossed Plates ..... For Up To 50, Add For >50 To 200, Add For >200 To 500, Add For >2,500, Deduct For Ceilings >10' High, Add	29.90	0.99
				5.27	
				3.38	
				1.59	
				-1.50	
				0.15	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Ceilings	09 50	
Specialty Ceilings	09 54	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 54 23 00-0009 SF 12" x 24" Tin Ceiling Embossed Plates.....	21.01	0.99
For Up To 50, Add	3.94	
For >50 To 200, Add	2.49	
For >200 To 500, Add	1.15	
For >2,500, Deduct	-1.05	
For Ceilings >10' High, Add	0.15	
09 54 23 00-0010 SF 24" x 24" Tin Ceiling Embossed Plates.....	19.29	0.99
For Up To 50, Add	3.62	
For >50 To 200, Add	2.29	
For >200 To 500, Add	1.06	
For >2,500, Deduct	-0.96	
For Ceilings >10' High, Add	0.14	
09 54 23 00-0011 SF 24" x 48" Tin Ceiling Embossed Plates.....	16.82	0.75
For Up To 50, Add	3.16	
For >50 To 200, Add	2.00	
For >200 To 500, Add	0.92	
For >2,500, Deduct	-0.84	
For Ceilings >10' High, Add	0.12	
09 54 23 00-0012 LF 3" Or 4" Wide Embossed Molding.....	10.64	1.50
09 54 23 00-0013 LF 6" Wide Embossed Molding.....	13.91	1.74
09 54 23 00-0014 LF 12" Wide Embossed Molding.....	19.08	2.04
09 54 23 00-0015 EA 3", 4" Or 6" Wide Embossed Cross, Tee Or Ell.....	29.56	4.74
09 54 23 00-0016 EA 12" Wide Embossed Cross, Tee Or Ell.....	43.61	5.54

**09 57 Special Function Ceilings** (09 50)

**09 57 63 High Impact Ceilings** (09 57)

**09 57 63 00-0001 High Impact Ceilings** (09 57 63)

09 57 63 00-0002 SF Polyvinyl Chloride Face High Impact Ceiling Panels .....	5.51	0.39
For Ceilings >10' High, Add	0.05	
09 57 63 00-0003 SF High Impact Clips.....	1.76	0.31
For Ceilings >10' High, Add	0.04	

**09 60 Flooring** (09)

Note: Perform moisture testing as recommended by manufacturer.

**09 61 Flooring Treatment** (09 60)

**09 61 13 Slip-Resistant Flooring Treatment** (09 61)

**09 61 13 00-0001 Anti-Slip Tape** (09 61 13)

Note: Grit sandpaper surface with adhesive back.

09 61 13 00-0002 LF 1" Anti-Slip Tape.....	1.22	0.79
09 61 13 00-0003 LF 2" Anti-Slip Tape.....	1.63	0.86
09 61 13 00-0004 LF 3" Anti-Slip Tape.....	2.03	0.95
09 61 13 00-0005 LF 4" Anti-Slip Tape.....	2.40	1.04
09 61 13 00-0006 LF 6" Anti-Slip Tape.....	3.19	1.15
09 61 13 00-0007 LF 12" Anti-Slip Tape.....	5.79	1.72
09 61 13 00-0008 LF 24" Anti-Slip Tape.....	8.08	2.58

**09 63 Masonry Flooring** (09 60)

**09 63 13 Brick Flooring** (09 63)

**09 63 13 00-0001 Clay Bricks** (09 63 13)

09 63 13 00-0002 SF 2-1/4" Thick Clay Brick Floor .....	17.52	4.67
For Basket Weave Pattern, Add	1.00	
For Herringbone Pattern, Add	1.33	
For Epoxy Joints, Add	3.39	
09 63 13 00-0003 SF 3" Thick Clay Brick Floor.....	20.21	4.67
For Basket Weave Pattern, Add	1.00	
For Herringbone Pattern, Add	1.33	
For Epoxy Joints, Add	3.39	
09 63 13 00-0004 SF 1/2" Thick Unglazed Clay Brick Floor.....	9.93	4.67
For Basket Weave Pattern, Add	1.00	
For Herringbone Pattern, Add	1.33	
For Epoxy Joints, Add	3.39	
09 63 13 00-0005 SF 1/2" Thick Glazed Clay Brick Floor .....	12.37	4.67
For Basket Weave Pattern, Add	1.00	
For Herringbone Pattern, Add	1.33	
For Epoxy Joints, Add	3.39	
09 63 13 00-0006 SF 3/4" Thick Unglazed Clay Brick Floor.....	11.02	4.67
For Basket Weave Pattern, Add	1.00	
For Herringbone Pattern, Add	1.33	
For Epoxy Joints, Add	3.39	
09 63 13 00-0007 SF 3/4" Thick Glazed Clay Brick Floor .....	14.27	4.67
For Basket Weave Pattern, Add	1.00	
For Herringbone Pattern, Add	1.33	
For Epoxy Joints, Add	3.39	

**09 Finishes****09 60 Flooring****09 63 Masonry Flooring**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 63 13 00-0008	SF		15/16" Thick Unglazed Clay Brick Floor.....	12.08	4.67
			<i>For Basket Weave Pattern, Add</i>	1.00	
			<i>For Herringbone Pattern, Add</i>	1.33	
			<i>For Epoxy Joints, Add</i>	3.39	
09 63 13 00-0009	SF		15/16" Thick Glazed Clay Brick Floor.....	16.19	4.67
			<i>For Basket Weave Pattern, Add</i>	1.00	
			<i>For Herringbone Pattern, Add</i>	1.33	
			<i>For Epoxy Joints, Add</i>	3.39	
<b>09 63 43 Composition Stone Flooring (09 63)</b>					
09 63 43 00-0001			Cupric Oxychloride Cement, Seamless Flooring System (09 63 43)		
			Note: Chemical and slip resistant. OSHA and USDA approved.		
09 63 43 00-0002	SF		3/8" Thick, Cupric Oxychloride Cement, Seamless Flooring System, Trowel Applied.....	9.79	2.77
<b>09 64 Wood Flooring (09 60)</b>					
<b>09 64 13 Wood Flooring Underlayment (09 64)</b>					
09 64 13 00-0001			Wood Flooring Underlayment (09 64 13)		
09 64 13 00-0002	SF		Regular Weight Red Rosin Paper, Wood Flooring Underlayment .....	0.26	
09 64 13 00-0003	SF		Heavy Weight Red Rosin Paper, Wood Flooring Underlayment .....	0.26	
09 64 13 00-0004	SF		30 LB, Waxed Paper, Wood Flooring Underlayment .....	0.28	
09 64 13 00-0005	SF		15 LB, Asphalt Saturated Organic Felt, Wood Flooring Underlayment .....	0.29	
09 64 13 00-0006	SF		6 Mil Thick, Polyethylene Film, Wood Flooring Underlayment .....	0.28	
09 64 13 00-0007	SF		8 Mil Thick, Polyethylene Film, Wood Flooring Underlayment .....	0.31	
09 64 13 00-0008	SF		1/8" Thick, Natural Cork, Wood Flooring Underlayment.....	1.30	
09 64 13 00-0009	SF		1/4" Thick, Natural Cork, Wood Flooring Underlayment.....	1.36	
09 64 13 00-0010	SF		3/32" Thick, Polyethylene Foam, Wood Flooring Underlayment (Roberts® Unison™ 70-025-15) .....	0.47	
09 64 13 00-0011	SF		2.0mm Thick, Progressive Foam Technology, Wood Flooring Underlayment (Roberts® Quiet Cushion 70-180) .....	0.60	
09 64 13 00-0012	SF		4.0mm Thick, Compressed Fiber, Wood Flooring Underlayment (Roberts® Super Felt 70-193) .....	0.64	
09 64 13 00-0013	SF		2.5mm Thick, Closed Cell Foam, Wood Flooring Underlayment (Roberts® Black Jack™ 70-026) .....	0.79	
09 64 13 00-0014	SF		1/8" Thick, Moisture Barrier, Sound Reduction And Cushioning, Wood Flooring Underlayment (Roberts® AirGuard™ 70-105) .....	0.80	
<b>09 64 23 Wood Parquet Flooring (09 64)</b>					
			Note: All wood parquet flooring is prefinished at factory.		
09 64 23 00-0001			Hardwood Parquet Flooring (09 64 23)		
09 64 23 00-0002	SF		Oak Parquet Flooring 5/16" Thick.....	5.12	0.39
			<i>For Up To 20, Add</i>	1.87	
			<i>For &gt;20 To 50, Add</i>	1.00	
			<i>For &gt;50 To 100, Add</i>	0.50	
			<i>For &gt;100 To 300, Add</i>	0.25	
<b>09 64 29 Wood Strip And Plank Flooring (09 64)</b>					
			Note: All wood strip flooring is unfinished, tongue and groove.		
09 64 29 00-0001			Unfinished Fir, Wood Strip Flooring (09 64 29)		
09 64 29 00-0002	SF		3-1/8" Plank Width, 3/4" Thick, Plain Sawn, Clear Vertical Grain (C Or Better) Unfinished Fir, Wood Strip Flooring.....	8.70	0.39
			<i>For Factory Finish, Add</i>	0.69	
			<i>For Random Width Floor, Add</i>	2.09	
			<i>For Up To 20, Add</i>	2.10	
			<i>For &gt;20 To 50, Add</i>	1.22	
			<i>For &gt;50 To 100, Add</i>	0.61	
			<i>For &gt;100 To 300, Add</i>	0.31	
09 64 29 00-0003			Unfinished Oak, Wood Strip Flooring (09 64 29)		
09 64 29 00-0004			Unfinished White Oak, Wood Strip Flooring (09 64 29 00-0003)		
09 64 29 00-0005	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring.....	5.93	0.39
			<i>For Factory Finish, Add</i>	0.36	
			<i>For Random Width Floor, Add</i>	1.37	
			<i>For Up To 20, Add</i>	1.93	
			<i>For &gt;20 To 50, Add</i>	1.06	
			<i>For &gt;50 To 100, Add</i>	0.53	
			<i>For &gt;100 To 300, Add</i>	0.26	
09 64 29 00-0006	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring.....	6.40	0.39
			<i>For Factory Finish, Add</i>	0.41	
			<i>For Random Width Floor, Add</i>	1.48	
			<i>For Up To 20, Add</i>	2.00	
			<i>For &gt;20 To 50, Add</i>	1.10	
			<i>For &gt;50 To 100, Add</i>	0.55	
			<i>For &gt;100 To 300, Add</i>	0.28	



<b>Finishes</b>	<b>09</b>	<b>09</b>
<b>Flooring</b>	<b>09 60</b>	
<b>Wood Flooring</b>	<b>09 64</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0007	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring.....	7.11	0.39
			<i>For Factory Finish, Add</i>	0.48	
			<i>For Random Width Floor, Add</i>	1.66	
			<i>For Up To 20, Add</i>	2.11	
			<i>For &gt;20 To 50, Add</i>	1.17	
			<i>For &gt;50 To 100, Add</i>	0.59	
			<i>For &gt;100 To 300, Add</i>	0.29	
09 64 29 00-0008	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring.....	5.54	0.39
			<i>For Factory Finish, Add</i>	0.38	
			<i>For Random Width Floor, Add</i>	1.30	
			<i>For Up To 20, Add</i>	1.62	
			<i>For &gt;20 To 50, Add</i>	0.91	
			<i>For &gt;50 To 100, Add</i>	0.45	
			<i>For &gt;100 To 300, Add</i>	0.23	
09 64 29 00-0009	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring.....	5.92	0.39
			<i>For Factory Finish, Add</i>	0.42	
			<i>For Random Width Floor, Add</i>	1.39	
			<i>For Up To 20, Add</i>	1.68	
			<i>For &gt;20 To 50, Add</i>	0.94	
			<i>For &gt;50 To 100, Add</i>	0.47	
			<i>For &gt;100 To 300, Add</i>	0.24	
09 64 29 00-0010	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring.....	6.64	0.39
			<i>For Factory Finish, Add</i>	0.49	
			<i>For Random Width Floor, Add</i>	1.57	
			<i>For Up To 20, Add</i>	1.79	
			<i>For &gt;20 To 50, Add</i>	1.02	
			<i>For &gt;50 To 100, Add</i>	0.51	
			<i>For &gt;100 To 300, Add</i>	0.25	
<b>09 64 29 00-0011</b>			<b>Unfinished Red Oak, Wood Strip Flooring</b> (09 64 29 00-0003)		
09 64 29 00-0012	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring.....	6.01	0.39
			<i>For Factory Finish, Add</i>	0.37	
			<i>For Random Width Floor, Add</i>	1.39	
			<i>For Up To 20, Add</i>	1.94	
			<i>For &gt;20 To 50, Add</i>	1.06	
			<i>For &gt;50 To 100, Add</i>	0.53	
			<i>For &gt;100 To 300, Add</i>	0.27	
09 64 29 00-0013	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring.....	6.48	0.39
			<i>For Factory Finish, Add</i>	0.42	
			<i>For Random Width Floor, Add</i>	1.50	
			<i>For Up To 20, Add</i>	2.01	
			<i>For &gt;20 To 50, Add</i>	1.11	
			<i>For &gt;50 To 100, Add</i>	0.56	
			<i>For &gt;100 To 300, Add</i>	0.28	
09 64 29 00-0014	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring.....	7.19	0.39
			<i>For Factory Finish, Add</i>	0.49	
			<i>For Random Width Floor, Add</i>	1.68	
			<i>For Up To 20, Add</i>	2.12	
			<i>For &gt;20 To 50, Add</i>	1.18	
			<i>For &gt;50 To 100, Add</i>	0.59	
			<i>For &gt;100 To 300, Add</i>	0.30	
09 64 29 00-0015	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring.....	5.62	0.39
			<i>For Factory Finish, Add</i>	0.39	
			<i>For Random Width Floor, Add</i>	1.32	
			<i>For Up To 20, Add</i>	1.64	
			<i>For &gt;20 To 50, Add</i>	0.91	
			<i>For &gt;50 To 100, Add</i>	0.46	
			<i>For &gt;100 To 300, Add</i>	0.23	
09 64 29 00-0016	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring.....	6.09	0.39
			<i>For Factory Finish, Add</i>	0.43	
			<i>For Random Width Floor, Add</i>	1.43	
			<i>For Up To 20, Add</i>	1.71	
			<i>For &gt;20 To 50, Add</i>	0.96	
			<i>For &gt;50 To 100, Add</i>	0.48	
			<i>For &gt;100 To 300, Add</i>	0.24	
09 64 29 00-0017	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring.....	6.72	0.39
			<i>For Factory Finish, Add</i>	0.50	
			<i>For Random Width Floor, Add</i>	1.59	
			<i>For Up To 20, Add</i>	1.80	
			<i>For &gt;20 To 50, Add</i>	1.02	
			<i>For &gt;50 To 100, Add</i>	0.51	
			<i>For &gt;100 To 300, Add</i>	0.26	
<b>09 64 29 00-0018</b>			<b>Unfinished Maple, Wood Strip Flooring</b> (09 64 29)		
<b>09 64 29 00-0019</b>			<b>25/32" Thick, Unfinished Maple, Wood Strip Flooring</b> (09 64 29 00-0018)		
09 64 29 00-0020	SF		2-1/4" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring.....	7.74	0.39
			<i>For Factory Finish, Add</i>	0.54	
			<i>For Random Width Floor, Add</i>	1.82	
			<i>For Up To 20, Add</i>	2.20	
			<i>For &gt;20 To 50, Add</i>	1.24	
			<i>For &gt;50 To 100, Add</i>	0.62	
			<i>For &gt;100 To 300, Add</i>	0.31	

**09 Finishes****09 60 Flooring****09 64 Wood Flooring**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0021	SF		2-1/4" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring.....	6.95	0.39
			<i>For Factory Finish, Add</i>	0.46	
			<i>For Random Width Floor, Add</i>	1.62	
			<i>For Up To 20, Add</i>	2.08	
			<i>For &gt;20 To 50, Add</i>	1.16	
			<i>For &gt;50 To 100, Add</i>	0.58	
			<i>For &gt;100 To 300, Add</i>	0.29	
09 64 29 00-0022	SF		3" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring.....	7.51	0.39
			<i>For Factory Finish, Add</i>	0.58	
			<i>For Random Width Floor, Add</i>	1.79	
			<i>For Up To 20, Add</i>	1.92	
			<i>For &gt;20 To 50, Add</i>	1.10	
			<i>For &gt;50 To 100, Add</i>	0.55	
			<i>For &gt;100 To 300, Add</i>	0.28	
09 64 29 00-0023	SF		3" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring.....	6.72	0.39
			<i>For Factory Finish, Add</i>	0.50	
			<i>For Random Width Floor, Add</i>	1.59	
			<i>For Up To 20, Add</i>	1.80	
			<i>For &gt;20 To 50, Add</i>	1.02	
			<i>For &gt;50 To 100, Add</i>	0.51	
			<i>For &gt;100 To 300, Add</i>	0.26	
<b>09 64 29 00-0024</b>			<b>33/32" Thick, Unfinished Maple, Wood Strip Flooring</b> <small>(09 64 29 00-0018)</small>		
09 64 29 00-0025	SF		2-1/4" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring.....	9.44	0.39
			<i>For Factory Finish, Add</i>	0.71	
			<i>For Random Width Floor, Add</i>	2.24	
			<i>For Up To 20, Add</i>	2.46	
			<i>For &gt;20 To 50, Add</i>	1.41	
			<i>For &gt;50 To 100, Add</i>	0.70	
			<i>For &gt;100 To 300, Add</i>	0.35	
09 64 29 00-0026	SF		2-1/4" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring.....	8.39	0.39
			<i>For Factory Finish, Add</i>	0.61	
			<i>For Random Width Floor, Add</i>	1.98	
			<i>For Up To 20, Add</i>	2.30	
			<i>For &gt;20 To 50, Add</i>	1.30	
			<i>For &gt;50 To 100, Add</i>	0.65	
			<i>For &gt;100 To 300, Add</i>	0.33	
09 64 29 00-0027	SF		3" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring.....	9.31	0.39
			<i>For Factory Finish, Add</i>	0.76	
			<i>For Random Width Floor, Add</i>	2.24	
			<i>For Up To 20, Add</i>	2.19	
			<i>For &gt;20 To 50, Add</i>	1.28	
			<i>For &gt;50 To 100, Add</i>	0.64	
			<i>For &gt;100 To 300, Add</i>	0.32	
09 64 29 00-0028	SF		3" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring.....	8.26	0.39
			<i>For Factory Finish, Add</i>	0.65	
			<i>For Random Width Floor, Add</i>	1.98	
			<i>For Up To 20, Add</i>	2.03	
			<i>For &gt;20 To 50, Add</i>	1.18	
			<i>For &gt;50 To 100, Add</i>	0.59	
			<i>For &gt;100 To 300, Add</i>	0.29	
<b>09 64 29 00-0029</b>			<b>Prefinished Engineered Wood Flooring</b> <small>(09 64 29)</small>		
			Note: Glued or nailed. Excludes underlayment. See CSI section 09 64 13 00-0001 for wood flooring underlayment.		
09 64 29 00-0030	SF		1/2" Thick, Red Oak, Prefinished Engineered Wood Flooring.....	8.65	0.39
			<i>For Up To 20, Add</i>	1.99	
			<i>For &gt;20 To 50, Add</i>	1.17	
			<i>For &gt;50 To 100, Add</i>	0.59	
			<i>For &gt;100 To 300, Add</i>	0.29	
09 64 29 00-0031	SF		1/2" Thick, White Oak, Prefinished Engineered Wood Flooring.....	8.65	0.39
			<i>For Up To 20, Add</i>	1.99	
			<i>For &gt;20 To 50, Add</i>	1.17	
			<i>For &gt;50 To 100, Add</i>	0.59	
			<i>For &gt;100 To 300, Add</i>	0.29	
09 64 29 00-0032	SF		1/2" Thick, Select Maple, Prefinished Engineered Wood Flooring.....	8.34	0.39
			<i>For Up To 20, Add</i>	1.94	
			<i>For &gt;20 To 50, Add</i>	1.14	
			<i>For &gt;50 To 100, Add</i>	0.57	
			<i>For &gt;100 To 300, Add</i>	0.29	
09 64 29 00-0033	SF		1/2" Thick, Natural Hickory, Prefinished Engineered Wood Flooring.....	8.57	0.39
			<i>For Up To 20, Add</i>	1.98	
			<i>For &gt;20 To 50, Add</i>	1.17	
			<i>For &gt;50 To 100, Add</i>	0.58	
			<i>For &gt;100 To 300, Add</i>	0.29	

**09 64 66 Wood Athletic Flooring** (09 64)

Note: On shims, sleepers and/or screeds. 1-1/2" or 2-1/4" widths. Excludes finish.



<b>Finishes</b>	<b>09</b>	<b>09</b>
Flooring	09 60	
Wood Flooring	09 64	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>09 64 66 00-0001</b> <b>Wood Gym/Stage/Dance Floors</b> <small>(09 64 66)</small>		
Note: Includes sanding and vent cove base. Excludes concrete repairs to subbase, thresholds, and finishing.		
09 64 66 00-0002    SF    25/32" Maple Wood Gym/Stage/Dance Floor .....	8.17	1.96
For Oak Or Birch, Deduct	-0.20	
For Pine, Deduct	-0.30	
For #1 Grade Material, Add	0.50	
09 64 66 00-0003    SF    Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Resilient Pads (Connor DuraCushion) .....	11.17	2.55
Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/8" resilient pads.		
For Oak Or Birch, Deduct	-0.20	
For Pine, Deduct	-0.30	
For #1 Grade Material, Add	0.50	
09 64 66 00-0004    SF    Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Two Stage Resilient Pads (Connor NeoShok) .....	12.12	2.55
Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/4" hemispherical two stage polyurethane resilient pads.		
For Oak Or Birch, Deduct	-0.20	
For Pine, Deduct	-0.30	
For #1 Grade Material, Add	0.50	
09 64 66 00-0005    SF    Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Subfloor With Continuous Steel Channel Encased Sleepers And Resilient Pads (Connor PermaFlex) .....	14.35	2.55
Note: Includes 6 mil polyethylene vapor barrier, one layer of 15/32" plywood subfloor, a continuous steel channel encasing a 23/32" fixed sleeper, a 7/16" resilient pad and a 23/32" flex sleeper.		
For Oak Or Birch, Deduct	-0.20	
For Pine, Deduct	-0.30	
For #1 Grade Material, Add	0.50	
09 64 66 00-0006    SF    Fixed Resilient 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Panel Subfloor With Resilient Pads (Connor Focus) .....	13.38	2.55
Note: Includes 6 mil polyethylene vapor barrier, one layer of 3/4" subfloor, 9/16" resilient pads and concrete anchors and clips.		
For Oak Or Birch, Deduct	-0.20	
For Pine, Deduct	-0.30	
For #1 Grade Material, Add	0.50	
09 64 66 00-0007    SF    Clip And Channel, Fixed 33/32" Maple Wood Gym/Stage/Dance Floor System (Connor PermaLock) .....	14.45	2.55
Note: Includes 6 mil polyethylene vapor barrier, one layer of 1/2" impregnated fiberboard with channel grooves for 16 gauge steel anchor channel.		
For Oak Or Birch, Deduct	-0.20	
For Pine, Deduct	-0.30	
For #1 Grade Material, Add	0.50	

**09 65 Resilient Flooring** (09 60)

See CSI section 03 54 16 00-0001 for self leveling underlayment for uneven floors.

**09 65 13 Resilient Base And Accessories** (09 65)

**09 65 13 13 Resilient Base** (09 65 13)

**09 65 13 13-0001 Type TV Thermoplastic Vinyl Wall Base** (09 65 13 13)

Note: Includes inside and outside corners.

09 65 13 13-0002    LF    2-1/2" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors .....	1.72	0.48
For Up To 20, Add	0.65	
For >20 To 40, Add	0.37	
For >40 To 80, Add	0.14	
For >240 To 960, Deduct	-0.12	
For >960, Deduct	-0.18	
09 65 13 13-0003    LF    4" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors .....	2.01	0.48
For Up To 20, Add	0.69	
For >20 To 40, Add	0.40	
For >40 To 80, Add	0.15	
For >240 To 960, Deduct	-0.15	
For >960, Deduct	-0.23	
09 65 13 13-0004    LF    6" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors .....	2.61	0.48
For Up To 20, Add	0.78	
For >20 To 40, Add	0.46	
For >40 To 80, Add	0.18	
For >240 To 960, Deduct	-0.21	
For >960, Deduct	-0.32	

**09 65 13 13-0005 Type TP Thermoplastic Rubber Wall Base** (09 65 13 13)

Note: Includes inside and outside corners.

09 65 13 13-0006    LF    2-1/2" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors .....	1.91	0.48
For Up To 20, Add	0.68	
For >20 To 40, Add	0.39	
For >40 To 80, Add	0.14	
For >240 To 960, Deduct	-0.14	
For >960, Deduct	-0.21	
09 65 13 13-0007    LF    4" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors .....	2.12	0.48
For Up To 20, Add	0.71	
For >20 To 40, Add	0.41	
For >40 To 80, Add	0.16	
For >240 To 960, Deduct	-0.16	
For >960, Deduct	-0.24	

**09 Finishes**

**09 60 Flooring**

**09 65 Resilient Flooring**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 13-0008	LF		6" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors .....2.70		0.48
			<i>For Up To 20, Add</i>	0.80	
			<i>For &gt;20 To 40, Add</i>	0.47	
			<i>For &gt;40 To 80, Add</i>	0.18	
			<i>For &gt;240 To 960, Deduct</i>	-0.22	
			<i>For &gt;960, Deduct</i>	-0.33	
09 65 13 13-0009	LF		2-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors .....3.65		0.48
			<i>For Up To 20, Add</i>	0.94	
			<i>For &gt;20 To 40, Add</i>	0.56	
			<i>For &gt;40 To 80, Add</i>	0.23	
			<i>For &gt;240 To 960, Deduct</i>	-0.32	
			<i>For &gt;960, Deduct</i>	-0.47	
09 65 13 13-0010	LF		3" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors .....3.71		0.48
			<i>For Up To 20, Add</i>	0.95	
			<i>For &gt;20 To 40, Add</i>	0.57	
			<i>For &gt;40 To 80, Add</i>	0.23	
			<i>For &gt;240 To 960, Deduct</i>	-0.32	
			<i>For &gt;960, Deduct</i>	-0.48	
09 65 13 13-0011	LF		4-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors .....4.63		0.48
			<i>For Up To 20, Add</i>	1.09	
			<i>For &gt;20 To 40, Add</i>	0.66	
			<i>For &gt;40 To 80, Add</i>	0.28	
			<i>For &gt;240 To 960, Deduct</i>	-0.41	
			<i>For &gt;960, Deduct</i>	-0.62	
09 65 13 13-0012	LF		6" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors .....6.46		0.48
			<i>For Up To 20, Add</i>	1.36	
			<i>For &gt;20 To 40, Add</i>	0.84	
			<i>For &gt;40 To 80, Add</i>	0.37	
			<i>For &gt;240 To 960, Deduct</i>	-0.60	
			<i>For &gt;960, Deduct</i>	-0.90	
<b>09 65 13 13-0013</b>			<b>Type TS Thermoset Vulcanized Rubber Wall Base</b> <small>(09 65 13 13)</small>		
			Note: Includes inside and outside corners.		
09 65 13 13-0014	LF		2-1/2" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors .....2.14		0.59
			<i>For Up To 20, Add</i>	0.71	
			<i>For &gt;20 To 40, Add</i>	0.41	
			<i>For &gt;40 To 80, Add</i>	0.16	
			<i>For &gt;240 To 960, Deduct</i>	-0.17	
			<i>For &gt;960, Deduct</i>	-0.25	
09 65 13 13-0015	LF		4" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors .....2.15		0.48
			<i>For Up To 20, Add</i>	0.71	
			<i>For &gt;20 To 40, Add</i>	0.41	
			<i>For &gt;40 To 80, Add</i>	0.16	
			<i>For &gt;240 To 960, Deduct</i>	-0.17	
			<i>For &gt;960, Deduct</i>	-0.25	
09 65 13 13-0016	LF		6" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors .....3.19		0.59
			<i>For Up To 20, Add</i>	0.95	
			<i>For &gt;20 To 40, Add</i>	0.55	
			<i>For &gt;40 To 80, Add</i>	0.22	
			<i>For &gt;240 To 960, Deduct</i>	-0.26	
			<i>For &gt;960, Deduct</i>	-0.39	
<b>09 65 13 23</b>			<b>Resilient Stair Treads And Risers</b> <small>(09 65 13)</small>		
			Note: All treads have integral nosing. Abrasive strip modifiers include either 1 or 2 strips running the length of the tread.		
			All colors.		
09 65 13 23-0001			<b>Rubber Stair Treads and Risers</b> <small>(09 65 13 23)</small>		
09 65 13 23-0002			<b>Raised Disc Or Other Patterned Rubber Stair Tread</b> <small>(09 65 13 23-0001)</small>		
09 65 13 23-0003	LF		3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread .....11.43		0.79
			Note: Raised disc or other pattern.		
			<i>For Abrasive Strip, Add</i>	2.75	
			<i>For Photo Luminescent Abrasive Strip, Add</i>	3.75	
09 65 13 23-0004	LF		1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread .....12.26		0.84
			Note: Raised disc or other pattern.		
			<i>For Abrasive Strip, Add</i>	2.75	
			<i>For Photo Luminescent Abrasive Strip, Add</i>	3.75	
09 65 13 23-0005	LF		5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread .....15.35		0.90
			Note: Raised disc or other pattern.		
			<i>For Abrasive Strip, Add</i>	2.75	
			<i>For Photo Luminescent Abrasive Strip, Add</i>	3.75	
09 65 13 23-0006			<b>Smooth Surface Rubber Stair Tread</b> <small>(09 65 13 23-0001)</small>		
09 65 13 23-0007	LF		3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread .....10.59		0.79
			Note: Smooth surface.		
			<i>For Abrasive Strip, Add</i>	2.75	
			<i>For Photo Luminescent Abrasive Strip, Add</i>	3.75	
09 65 13 23-0008	LF		1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread .....11.33		0.84
			Note: Smooth surface.		
			<i>For Abrasive Strip, Add</i>	2.75	
			<i>For Photo Luminescent Abrasive Strip, Add</i>	3.75	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Flooring	09 60	
Resilient Flooring	09 65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 23-0009	LF		5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread ..... Note: Smooth surface. <i>For Abrasive Strip, Add</i> <i>For Photo Luminescent Abrasive Strip, Add</i>	14.12 2.75 3.75	0.91
<b>09 65 13 23-0010</b>			<b>Smooth Surface Rubber Stair Riser</b> (09 65 13 23-0001)		
09 65 13 23-0011	LF		1/8" Thick, Smooth Surface Rubber Stair Riser .....	6.17	0.47
<b>09 65 13 23-0012</b>			<b>Smooth, Raised Disc or Other Patterned Rubber Landing Mats</b> (09 65 13 23-0001)		
09 65 13 23-0013	SF		1/8" Thick, Rubber Landing Mats..... Note: Smooth, raised disc or other patterned surface.	13.93	0.73
09 65 13 23-0014	SF		3/16" Thick, Rubber Landing Mats..... Note: Smooth, raised disc or other patterned surface.	16.80	0.79
09 65 13 23-0015	SF		7/32" Thick, Rubber Landing Mats..... Note: Smooth, raised disc or other patterned surface.	18.28	0.88
<b>09 65 13 23-0016</b>			<b>Vinyl Stair Treads and Risers</b> (09 65 13 23)		
<b>09 65 13 23-0017</b>			<b>Ribbed Vinyl Stair Tread</b> (09 65 13 23-0016)		
09 65 13 23-0018	LF		1/8" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread..... <i>For Abrasive Strip, Add</i>	9.09 2.75	0.72
09 65 13 23-0019	LF		3/16" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread..... <i>For Abrasive Strip, Add</i>	10.08 2.75	0.79
09 65 13 23-0020	LF		1/4" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread..... <i>For Abrasive Strip, Add</i>	12.30 2.75	0.85
<b>09 65 13 23-0021</b>			<b>Smooth Surface Vinyl Stair Riser</b> (09 65 13 23-0016)		
09 65 13 23-0022	LF		1/8" Thick, 7" High, Smooth Surface Vinyl Stair Riser .....	4.94	0.47
<b>09 65 13 33</b>			<b>Resilient Accessories</b> (09 65 13)		
<b>09 65 13 33-0001</b>			<b>Flexible Self Leveling Cementitious Underlayments</b> (09 65 13 33)		
09 65 13 33-0002	SF		1/8" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers .....	0.81	0.39
09 65 13 33-0003	SF		1/4" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers .....	1.32	0.39
<b>09 65 13 33-0004</b>			<b>Concrete Floor Prep</b> (09 65 13 33)		
09 65 13 33-0005	SF		Removal Of Glue From Concrete Floor ..... Note: For removal of glue from VCT or carpet placement. Not to be used in conjunction with demolition tasks associated with floor tile installation.	0.48	
<b>09 65 13 36</b>			<b>Resilient Carpet Transitions</b> (09 65 13)		
<b>09 65 13 36-0001</b>			<b>Vinyl Transition Strip</b> (09 65 13 36)		
09 65 13 36-0002	LF		Vinyl Transition Strip, Brown Or Black ..... <i>For Up To 20, Add</i> <i>For &gt;20 To 40, Add</i> <i>For &gt;40 To 80, Add</i> <i>For &gt;240 To 960, Deduct</i> <i>For &gt;960, Deduct</i>	1.01 0.34 0.20 0.07 -0.08 -0.12	0.35
09 65 13 36-0003	LF		Vinyl Floor Tile Reducer Strip, Brown Or Black ..... <i>For Up To 20, Add</i> <i>For &gt;20 To 40, Add</i> <i>For &gt;40 To 80, Add</i> <i>For &gt;240 To 960, Deduct</i> <i>For &gt;960, Deduct</i>	0.90 0.33 0.19 0.07 -0.07 -0.10	0.35
09 65 13 36-0004	LF		Vinyl Floor Tile Feature Strip, Brown Or Black..... <i>For Up To 20, Add</i> <i>For &gt;20 To 40, Add</i> <i>For &gt;40 To 80, Add</i> <i>For &gt;240 To 960, Deduct</i> <i>For &gt;960, Deduct</i>	0.76 0.31 0.17 0.06 -0.05 -0.08	0.35
<b>09 65 13 36-0005</b>			<b>Vinyl, Wheeled Traffic Transitions</b> (09 65 13 36)		
09 65 13 36-0006	LF		1/4" To 1/8" Material x 1-3/4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-A) ..... <i>For Up To 20, Add</i> <i>For &gt;20 To 40, Add</i> <i>For &gt;40 To 80, Add</i> <i>For &gt;240 To 960, Deduct</i> <i>For &gt;960, Deduct</i>	1.91 0.60 0.35 0.14 -0.15 -0.23	0.48
09 65 13 36-0007	LF		1/4" To 1/8" Material x 1", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-C) ..... <i>For Up To 20, Add</i> <i>For &gt;20 To 40, Add</i> <i>For &gt;40 To 80, Add</i> <i>For &gt;240 To 960, Deduct</i> <i>For &gt;960, Deduct</i>	1.91 0.60 0.35 0.14 -0.15 -0.23	0.48



## 09 Finishes

## 09 60 Flooring

## 09 65 Resilient Flooring



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65	13 36-0008	LF	5/16" To 1/16" Or 1/8" Material x 1-5/8", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-D) .....	2.41	0.48
			For Up To 20, Add	0.68	
			For >20 To 40, Add	0.40	
			For >40 To 80, Add	0.16	
			For >240 To 960, Deduct	-0.20	
			For >960, Deduct	-0.30	
09 65	13 36-0009	LF	1/4" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-H) .....	4.18	0.48
			For Up To 20, Add	0.94	
			For >20 To 40, Add	0.58	
			For >40 To 80, Add	0.25	
			For >240 To 960, Deduct	-0.38	
			For >960, Deduct	-0.57	
09 65	13 36-0010	LF	1/4" To 1/8" Material x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HL).....	4.19	0.48
			For Up To 20, Add	0.94	
			For >20 To 40, Add	0.58	
			For >40 To 80, Add	0.25	
			For >240 To 960, Deduct	-0.38	
			For >960, Deduct	-0.57	
09 65	13 36-0011	LF	1/4" To 0.08" Or 2 mm Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HT) .....	2.67	0.48
			For Up To 20, Add	0.72	
			For >20 To 40, Add	0.43	
			For >40 To 80, Add	0.17	
			For >240 To 960, Deduct	-0.23	
			For >960, Deduct	-0.34	
09 65	13 36-0012	LF	1/4" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-J) .....	4.06	0.48
			For Up To 20, Add	0.93	
			For >20 To 40, Add	0.56	
			For >40 To 80, Add	0.24	
			For >240 To 960, Deduct	-0.37	
			For >960, Deduct	-0.55	
09 65	13 36-0013	LF	1/4" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-JL) .....	4.22	0.48
			For Up To 20, Add	0.95	
			For >20 To 40, Add	0.58	
			For >40 To 80, Add	0.25	
			For >240 To 960, Deduct	-0.38	
			For >960, Deduct	-0.57	
09 65	13 36-0014	LF	3/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-K).....	3.51	0.48
			For Up To 20, Add	0.84	
			For >20 To 40, Add	0.51	
			For >40 To 80, Add	0.22	
			For >240 To 960, Deduct	-0.31	
			For >960, Deduct	-0.47	
09 65	13 36-0015	LF	3/8" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-L).....	3.86	0.48
			For Up To 20, Add	0.90	
			For >20 To 40, Add	0.54	
			For >40 To 80, Add	0.23	
			For >240 To 960, Deduct	-0.35	
			For >960, Deduct	-0.52	
09 65	13 36-0016	LF	1/4" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-M).....	4.22	0.48
			For Up To 20, Add	0.95	
			For >20 To 40, Add	0.58	
			For >40 To 80, Add	0.25	
			For >240 To 960, Deduct	-0.38	
			For >960, Deduct	-0.57	
09 65	13 36-0017	LF	1/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-N) .....	3.44	0.48
			For Up To 20, Add	0.83	
			For >20 To 40, Add	0.50	
			For >40 To 80, Add	0.21	
			For >240 To 960, Deduct	-0.30	
			For >960, Deduct	-0.46	
09 65	13 36-0018	LF	3/8" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-P).....	2.86	0.48
			For Up To 20, Add	0.75	
			For >20 To 40, Add	0.44	
			For >40 To 80, Add	0.18	
			For >240 To 960, Deduct	-0.25	
			For >960, Deduct	-0.37	
09 65	13 36-0019	LF	3/8" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-PL).....	4.35	0.48
			For Up To 20, Add	0.97	
			For >20 To 40, Add	0.59	
			For >40 To 80, Add	0.26	
			For >240 To 960, Deduct	-0.40	
			For >960, Deduct	-0.59	
09 65	13 36-0020	LF	1/2" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Q) .....	5.68	0.48
			For Up To 20, Add	1.17	
			For >20 To 40, Add	0.73	
			For >40 To 80, Add	0.32	
			For >240 To 960, Deduct	-0.53	
			For >960, Deduct	-0.79	
09 65	13 36-0021	LF	0.08" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-X).....	2.77	0.48
			For Up To 20, Add	0.73	
			For >20 To 40, Add	0.44	
			For >40 To 80, Add	0.18	
			For >240 To 960, Deduct	-0.24	
			For >960, Deduct	-0.36	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Flooring	09 60	
Resilient Flooring	09 65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65	13 36-0022	LF	0.08" To 0.08" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Y) .....	2.82	0.48
			<i>For Up To 20, Add</i>	0.74	
			<i>For &gt;20 To 40, Add</i>	0.44	
			<i>For &gt;40 To 80, Add</i>	0.18	
			<i>For &gt;240 To 960, Deduct</i>	-0.24	
			<i>For &gt;960, Deduct</i>	-0.36	
09 65	13 36-0023	LF	0.08" To 3/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Z).....	3.24	0.48
			<i>For Up To 20, Add</i>	0.80	
			<i>For &gt;20 To 40, Add</i>	0.48	
			<i>For &gt;40 To 80, Add</i>	0.20	
			<i>For &gt;240 To 960, Deduct</i>	-0.28	
			<i>For &gt;960, Deduct</i>	-0.43	

**09 65 16 Resilient Sheet Flooring (09 65)**  
 Note: Includes mastic and cleaning floor after installation is complete.

**09 65 16 23 Vinyl Sheet Flooring (09 65 16)**

**09 65 16 23-0001 Vinyl Sheet Flooring (09 65 16 23)**

Note: For flash cove application, add additional square foot of material to form cove base.

09 65	16 23-0002	SF	0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring (Armstrong® Medintech®) .....	6.03	0.29
			<i>For Up To 40, Add</i>	1.99	
			<i>For &gt;40 To 100, Add</i>	0.99	
			<i>For &gt;1,000, Deduct</i>	-0.54	
09 65	16 23-0003	SF	0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring (Armstrong® Medley™) .....	4.86	0.29
			<i>For Up To 40, Add</i>	1.75	
			<i>For &gt;40 To 100, Add</i>	0.88	
			<i>For &gt;1,000, Deduct</i>	-0.43	
09 65	16 23-0004	SF	0.080" Overall Thickness, 0.050" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring (Armstrong® Connection Corlon®).....	3.06	0.29
			<i>For Up To 40, Add</i>	1.39	
			<i>For &gt;40 To 100, Add</i>	0.70	
			<i>For &gt;1,000, Deduct</i>	-0.25	
09 65	16 23-0005	SF	0.080" Overall Thickness, 0.040" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring (Armstrong® Possibilities® Petit Point™).....	4.07	0.29
			<i>For Up To 40, Add</i>	1.59	
			<i>For &gt;40 To 100, Add</i>	0.80	
			<i>For &gt;1,000, Deduct</i>	-0.35	
09 65	16 23-0006	SF	0.080" Overall Thickness, 0.060" Wear Layer, Inlaid With Felt Backing, Commercial Vinyl Sheet Flooring (Armstrong® Medintech Tandem®).....	5.56	0.29
			<i>For Up To 40, Add</i>	1.89	
			<i>For &gt;40 To 100, Add</i>	0.95	
			<i>For &gt;1,000, Deduct</i>	-0.50	
09 65	16 23-0007	SF	0.080" Overall Thickness, 0.020" Wear Layer, Slip Retardant Surface, Commercial Vinyl Sheet Flooring (Armstrong® Safeguard®).....	7.81	0.29
			<i>For Up To 40, Add</i>	2.34	
			<i>For &gt;40 To 100, Add</i>	1.17	
			<i>For &gt;1,000, Deduct</i>	-0.72	

**09 65 16 23-0008 Heat Welding Vinyl Sheet Flooring Seams (09 65 16 23)**

Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.

09 65	16 23-0009	LF	Heat Weld Non-Patterned Vinyl Sheet Flooring Seams.....	2.87	
09 65	16 23-0010	LF	Heat Weld Patterned Vinyl Sheet Flooring Seams .....	3.12	

**09 65 16 23-0011 Forming Vinyl Sheet Flooring Inside/Outside Cove Corners (09 65 16 23)**

Note: Excludes heat welding.

09 65	16 23-0012	EA	Forming Vinyl Sheet Flooring Inside/Outside Cove Corners.....	6.53	
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**09 65 16 23-0013 Vinyl Sheet Flooring Accessories (09 65 16 23)**

09 65	16 23-0014	LF	1/2" Radius Vinyl Cove Filler Strip .....	2.16	
09 65	16 23-0015	LF	1-1/4" Radius Vinyl Cove Filler Strip .....	1.89	
09 65	16 23-0016	LF	1-1/2" Radius Vinyl Cove Filler Strip .....	3.04	
09 65	16 23-0017	LF	1/8" Aluminum Cove Cap.....	1.37	

**09 65 19 Resilient Tile Flooring (09 65)**

Note: Includes mastic and cleaning floor after installation is complete. Demolition includes removal of the tile and adhesive and cleaning of the surface for a new floor.

**09 65 19 19 Vinyl Composition Tile Flooring (09 65 19)**

**09 65 19 19-0001 Vinyl Composition Tile (VCT) (09 65 19 19)**

Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 1 solid color tile, Class 2 through pattern tile or Class 3 surface pattern tile as listed in the task description.

**09 Finishes**

**09 60 Flooring**

**09 65 Resilient Flooring**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 19-0002	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Imperial Texture®).....	1.67	0.59
			For 3/32" Thick, Deduct	-0.09	
			For Extra Stock, Material Only, Deduct	-0.69	
			For >1,000 To 3,000, Deduct	-0.04	
			For >3,000 To 6,000, Deduct	-0.09	
			For >6,000, Deduct	-0.17	
09 65 19 19-0003	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon MultiColor™).....	1.67	0.59
			For Extra Stock, Material Only, Deduct	-0.69	
			For >1,000 To 3,000, Deduct	-0.04	
			For >3,000 To 6,000, Deduct	-0.09	
			For >6,000, Deduct	-0.17	
09 65 19 19-0004	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Rave®).....	1.67	0.59
			For Extra Stock, Material Only, Deduct	-0.69	
			For >1,000 To 3,000, Deduct	-0.04	
			For >3,000 To 6,000, Deduct	-0.09	
			For >6,000, Deduct	-0.17	
09 65 19 19-0005	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® ChromaSpin™).....	2.55	0.59
			For Extra Stock, Material Only, Deduct	-0.69	
			For >1,000 To 3,000, Deduct	-0.05	
			For >3,000 To 6,000, Deduct	-0.13	
			For >6,000, Deduct	-0.22	
09 65 19 19-0006	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Companion Square®).....	2.56	0.59
			For Extra Stock, Material Only, Deduct	-0.69	
			For >1,000 To 3,000, Deduct	-0.05	
			For >3,000 To 6,000, Deduct	-0.13	
			For >6,000, Deduct	-0.22	
09 65 19 19-0007	SF		1/8" Thick, Class 3 Surface Pattern, Vinyl Composition Tile (VCT) (Armstrong® Arteffects®).....	2.73	0.59
			For Extra Stock, Material Only, Deduct	-0.69	
			For >1,000 To 3,000, Deduct	-0.06	
			For >3,000 To 6,000, Deduct	-0.13	
			For >6,000, Deduct	-0.23	
09 65 19 19-0008	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Stonetex®).....	2.76	0.59
			For Extra Stock, Material Only, Deduct	-0.69	
			For >1,000 To 3,000, Deduct	-0.06	
			For >3,000 To 6,000, Deduct	-0.14	
			For >6,000, Deduct	-0.23	
09 65 19 19-0009	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Raffia™).....	2.86	0.59
			For Extra Stock, Material Only, Deduct	-0.69	
			For >1,000 To 3,000, Deduct	-0.06	
			For >3,000 To 6,000, Deduct	-0.14	
			For >6,000, Deduct	-0.24	
09 65 19 19-0010	SF		1/8" Thick, Slip Retardant, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Safety Zone™).....	3.83	0.59
			For Extra Stock, Material Only, Deduct	-0.69	
			For >1,000 To 3,000, Deduct	-0.08	
			For >3,000 To 6,000, Deduct	-0.18	
			For >6,000, Deduct	-0.30	
09 65 19 19-0011	SF		1/8" Thick, Class 1 Solid Color, Vinyl Composition Tile (VCT) (Armstrong® Excelon Feature™).....	4.21	0.59
			For Extra Stock, Material Only, Deduct	-0.69	
			For >1,000 To 3,000, Deduct	-0.09	
			For >3,000 To 6,000, Deduct	-0.19	
			For >6,000, Deduct	-0.32	
09 65 19 19-0012	SF		1/8" Thick, Static Dissipative, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® SDT™).....	9.10	0.59
			For Extra Stock, Material Only, Deduct	-0.69	
			For >1,000 To 3,000, Deduct	-0.19	
			For >3,000 To 6,000, Deduct	-0.39	
			For >6,000, Deduct	-0.61	

**09 65 19 23 Vinyl Tile Flooring (09 65 19)**

09 65 19 23-0001 Vinyl Tile (09 65 19 23)

Note: Any size.

09 65 19 23-0002 Solid Vinyl Tile (SVT) (09 65 19 23-0001)

Note: The following solid vinyl tiles are certified to ASTM F 1700.

09 65 19 23-0003	SF		1/8" Thick, Class 1 Type A, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Cortina Grande).....	4.60	0.59
			For >1,000 To 3,000, Deduct	-0.10	
			For >3,000 To 6,000, Deduct	-0.22	
			For >6,000, Deduct	-0.37	
09 65 19 23-0004	SF		1/8" Thick, Class 1 Type A, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Karim Kolors).....	4.73	0.59
			For >1,000 To 3,000, Deduct	-0.10	
			For >3,000 To 6,000, Deduct	-0.22	
			For >6,000, Deduct	-0.37	
09 65 19 23-0005	SF		1/8" Thick, Slip Retardant, Class 1 Type B, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Cortina Grande SR).....	4.83	0.59
			For >1,000 To 3,000, Deduct	-0.10	
			For >3,000 To 6,000, Deduct	-0.23	
			For >6,000, Deduct	-0.38	

**09 65 19 33 Rubber Tile Flooring (09 65 19)**

09 65 19 33-0001 Rubber Tile (09 65 19 33)

09 65 19 33-0002 Rubber Tile With Raised Discs, Assorted Colors (09 65 19 33-0001)



<b>Finishes</b>	<b>09</b>	<b>09</b>
Flooring	09 60	
Resilient Flooring	09 65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 33-0003	SF		1/8" Thick Rubber Tile With Raised Discs ..... Note: Smooth, raised disc or other patterned surface.	12.56	0.35
			For Up To 20, Add	2.18	
			For >20 To 40, Add	1.40	
			For >40 To 100, Add	0.66	
09 65 19 33-0004	SF		3/16" Thick Rubber Tile With Raised Discs ..... Note: Smooth, raised disc or other patterned surface.	15.30	0.39
			For Up To 20, Add	2.61	
			For >20 To 40, Add	1.69	
			For >40 To 100, Add	0.80	
09 65 19 33-0005	SF		7/32" Thick Rubber Tile With Raised Discs ..... Note: Smooth, raised disc or other patterned surface.	16.96	0.47
			For Up To 20, Add	2.92	
			For >20 To 40, Add	1.88	
			For >40 To 100, Add	0.90	
<b>09 65 19 43 Polyester Composition Tile Flooring (09 65 19)</b>					
09 65 19 43-0001			<b>Polyester Composition Floor Tile (09 65 19 43)</b>		
			Note: Any size.		
09 65 19 43-0002	SF		1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Migrations®)..... For Extra Stock, Material Only, Deduct	2.60 -0.69	0.59
			For >1,000 To 3,000, Deduct	-0.06	
			For >3,000 To 6,000, Deduct	-0.13	
			For >6,000, Deduct	-0.22	
09 65 19 43-0003	SF		1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Striations®) ..... For Extra Stock, Material Only, Deduct	3.00 -0.69	0.59
			For >1,000 To 3,000, Deduct	-0.06	
			For >3,000 To 6,000, Deduct	-0.15	
			For >6,000, Deduct	-0.25	
<b>09 65 23 Resilient Plank Flooring (09 65)</b>					
			Note: Includes mastic and cleaning floor after installation is complete.		
09 65 23 00-0001			<b>Vinyl Plank Flooring (09 65 23)</b>		
09 65 23 00-0002	SF		0.110" Overall Thickness, 0.012" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™) ..... For Up To 40, Add	4.45 1.67	0.29
			For >40 To 100, Add	0.84	
			For >1,000, Deduct	-0.39	
09 65 23 00-0003	SF		0.135" Overall Thickness, 0.020" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™) ..... For Up To 40, Add	5.68 1.92	0.29
			For >40 To 100, Add	0.96	
			For >1,000, Deduct	-0.51	
09 65 23 00-0004	SF		0.16" Overall Thickness, 0.020" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™) ..... For Up To 40, Add	6.45 2.07	0.29
			For >40 To 100, Add	1.04	
			For >1,000, Deduct	-0.59	
<b>09 65 43 Linoleum Flooring (09 65)</b>					
			Note: Includes mastic and cleaning floor after installation is complete.		
09 65 43 00-0001			<b>Linoleum Flooring (09 65 43)</b>		
09 65 43 00-0002	SF		Linoleum Tile (Forbo Marmoleum Composition Tile, MCT)..... For Up To 20, Add	3.58 0.94	0.59
			For >20 To 40, Add	0.56	
			For >40 To 100, Add	0.23	
09 65 43 00-0003	SF		2.5mm, Linoleum Sheet (Forbo Marmoleum) ..... For Up To 20, Add	2.74 0.65	0.29
			For >20 To 40, Add	0.39	
			For >40 To 100, Add	0.17	
			For 3.2mm Thickness, Add	0.43	
			For 2mm Thickness, Deduct	-0.20	
09 65 43 00-0004	LF		Heat Weld Linoleum Sheet Flooring Seams ..... Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.	2.87	
<b>09 65 66 Resilient Athletic Flooring (09 65)</b>					
09 65 66 00-0001			<b>Sheet Goods For Gym (09 65 66)</b>		
09 65 66 00-0002	SF		1/4" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor.....	4.76	1.17
09 65 66 00-0003	SF		9/32" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor.....	5.02	1.21
09 65 66 00-0004	SF		3/8" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor.....	5.24	1.25
09 65 66 00-0005	SF		1/8" Rubber Sheet Good For Gym Floor Base .....	2.81	0.96
09 65 66 00-0006	SF		3/16" Rubber Sheet Good For Gym Floor Base .....	3.15	1.10
09 65 66 00-0007	SF		1/4" Rubber Sheet Good For Gym Floor Base .....	3.81	1.17
09 65 66 00-0008	SF		3/8" Rubber Sheet Good For Gym Floor Base .....	4.25	1.25
09 65 66 00-0009	SF		1/2" Rubber Sheet Good For Gym Floor Base .....	4.55	1.33
09 65 66 00-0010			<b>Interlocking Rubber Flooring (09 65 66)</b>		

**09 Finishes****09 60 Flooring****09 65 Resilient Flooring**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 66 00-0011	SF		3/8" Interlocking Rubber Athletic Flooring With Raised Square Pattern (Pawling HL-155) ..... Note: Black with hidden or exposed locks.	23.02	0.27
			<i>For Colors, Add</i>	2.83	
09 65 66 00-0012	SF		9/16" Interlocking Rubber Athletic Flooring With Raised Square Pattern (Pawling HL-100) ..... Note: Black with hidden or exposed locks.	35.60	0.27
			<i>For Colors, Add</i>	4.40	
09 65 66 00-0013	SF		7/16" Interlocking Rubber Athletic Flooring With Raised Square Pattern (Pawling PL-100) ..... Note: Black with hidden or exposed locks.	20.49	0.27
			<i>For Colors, Add</i>	2.51	
09 65 66 00-0014	SF		9/16" Interlocking Rubber Athletic Flooring With Raised Square Pattern (Pawling PL-200) ..... Note: Black with hidden or exposed locks.	24.62	0.27
			<i>For Colors, Add</i>	3.03	
09 65 66 00-0015	SF		7/16" Interlocking Rubber Athletic Flooring With Raised Square Pattern (Pawling FL-150)..... Note: Black with hidden or exposed locks.	20.49	0.27
			<i>For Colors, Add</i>	2.51	
09 65 66 00-0016	SF		3/8" Interlocking Rubber Tile Flooring.....	3.68	0.27
09 65 66 00-0017	SF		7/16" Interlocking Rubber Tile Flooring.....	4.05	0.31
09 65 66 00-0018	SF		1/2" Interlocking Rubber Tile Flooring.....	4.21	0.34
09 65 66 00-0019	SF		5/8" Interlocking Rubber Tile Flooring.....	4.39	0.41
09 65 66 00-0020	SF		3/4" Interlocking Rubber Tile Flooring.....	6.58	0.55
09 65 66 00-0021	SF		1" Interlocking Rubber Tile Flooring.....	8.65	0.67
<b>09 65 66 00-0022</b>			<b>Polyurethane Floor Systems (09 65 66)</b>		
09 65 66 00-0023	SF		9 mm Thick Base Coat, 2 mm Thick Top Coat, Polyurethane Floor System With Polyurethane/Rubber Granulate Base (Robbins Pulastic) .....	12.00	0.79
<b>09 65 66 00-0024</b>			<b>Engineered Athletic Flooring Systems (Taraflex) (09 65 66)</b>		
			Note: Excludes concrete repairs to subbase and thresholds.		
09 65 66 00-0025	SF		3mm, Engineered Athletic Flooring System (Taraflex Multi-Use 3.0).....	8.32	0.93
09 65 66 00-0026	SF		5mm, Engineered Athletic Flooring System (Taraflex Multi-Use 5.0).....	8.90	0.93
09 65 66 00-0027	SF		7mm, Engineered Athletic Flooring System (Taraflex Sport M Plus) .....	10.44	0.93
09 65 66 00-0028	SF		7mm, Engineered Athletic Flooring System (Taraflex Sport M Plus Drytex) .....	12.74	0.93
09 65 66 00-0029	SF		9mm, Engineered Athletic Flooring System (Taraflex Sport Performance Plus).....	10.61	0.93
09 65 66 00-0030	SF		Slip Sheet Membrane For Engineered Athletic Flooring Systems (Taraflex Isolsport).....	1.92	0.34
09 65 66 00-0031	EA		Lines For Engineered Athletic Flooring Systems, Per Sport (Taraflex) .....	446.66	
			Note: Lines priced per sport for a standard sized gym floor (approximately 5,000 SF).		
<b>09 66 Terrazzo Flooring (09 60)</b>					
<b>09 66 13 Portland Cement Terrazzo Flooring (09 66)</b>					
			Note: Excludes divider strips. See CSI section 09 66 33 00-0000 for conductive terrazzo.		
<b>09 66 13 13 Sand Cushion Terrazzo Flooring (09 66 13)</b>					
<b>09 66 13 13-0001 Floors Not Bonded To Concrete (09 66 13 13)</b>					
			Note: 3" Thick - 5/8" topping and 1/4" sand cushion.		
09 66 13 13-0002	SF		Terrazzo Floor, Not Bonded, Gray Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion.....	27.05	1.37
			<i>For Venetian Type Terrazzo, Add</i>	9.87	
			<i>For Abrasive Heavy Duty Terrazzo, Add</i>	9.87	
			<i>For Colors, Add</i>	4.94	
			<i>For Up To 100, Add</i>	4.90	
			<i>For &gt;100 To 250, Add</i>	2.45	
09 66 13 13-0003	SF		Terrazzo Floor, Not Bonded, White Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion .....	27.24	1.37
			<i>For Venetian Type Terrazzo, Add</i>	9.97	
			<i>For Abrasive Heavy Duty Terrazzo, Add</i>	9.97	
			<i>For Colors, Add</i>	4.98	
			<i>For Up To 100, Add</i>	4.92	
			<i>For &gt;100 To 250, Add</i>	2.46	
<b>09 66 13 16 Monolithic Terrazzo Flooring (09 66 13)</b>					
<b>09 66 13 16-0001 Monolithic Terrazzo (09 66 13 16)</b>					
09 66 13 16-0002	SF		Monolithic Terrazzo, 3-1/2" Base 5/8" Topping, 4'-5" Square Panels Topping (Including Mesh And Felt) .....	17.02	1.37
			<i>For Venetian Type Terrazzo, Add</i>	7.19	
			<i>For Abrasive Heavy Duty Terrazzo, Add</i>	7.19	
			<i>For Colors, Add</i>	3.59	
			<i>For Up To 100, Add</i>	2.50	
			<i>For &gt;100 To 250, Add</i>	1.25	
<b>09 66 13 19 Bonded Terrazzo Flooring (09 66 13)</b>					
<b>09 66 13 19-0001 Floors Bonded To Concrete (09 66 13 19)</b>					
			Note: 1-3/4" Thick - 5/8" topping.		
09 66 13 19-0002	SF		Terrazzo Floor, Bonded To Concrete, Gray Cement 1-3/4" Thick With 5/8" Topping .....	21.91	1.37
			<i>For Venetian Type Terrazzo, Add</i>	8.15	
			<i>For Abrasive Heavy Duty Terrazzo, Add</i>	8.15	
			<i>For Colors, Add</i>	4.07	
			<i>For Up To 100, Add</i>	3.88	
			<i>For &gt;100 To 250, Add</i>	1.94	



<b>Finishes</b>	<b>09</b>	<b>2</b>
<b>Flooring</b>	<b>09 60</b>	
<b>Terrazzo Flooring</b>	<b>09 66</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 13 19-0003 SF Terrazzo Floor, Bonded To Concrete, White Cement 1-3/4" Thick With 5/8" Topping..... <i>For Venetian Type Terrazzo, Add</i> <i>For Abrasive Heavy Duty Terrazzo, Add</i> <i>For Colors, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i>	22.10 8.24 8.24 4.12 3.90 1.95	1.37
<b>09 66 13 19-0004 Terrazzo Wainscot</b> (09 66 13 19)		
09 66 13 19-0005 SF 1-1/2" Thick Terrazzo Wainscot, Cast In Place, Bonded To Concrete Or Masonry ..... <i>For Venetian Type Terrazzo, Add</i>	22.71 5.27	1.83
<b>09 66 13 19-0006 Terrazzo Base</b> (09 66 13 19)		
09 66 13 19-0007 SF 6" Cove Type Terrazzo Base, Cast In Place, Bonded To Concrete Or Masonry ..... <i>For Venetian Type Terrazzo, Add</i>	30.77 11.50	1.40
<b>09 66 13 19-0008 Terrazzo Curb</b> (09 66 13 19)		
09 66 13 19-0009 LF 6" x 6" Terrazzo Curb, Cast In Place, Polished Top And 2 Faces ..... <i>For Venetian Type Terrazzo, Add</i>	61.71 15.33	9.31
<b>09 66 13 19-0010 Stairs Cast In Place</b> (09 66 13 19) Note: Topping applied to concrete or metal.		
09 66 13 19-0011 LF 1-1/2" Thick x 12" Wide, Terrazzo Stair, Cast In Place, Bonded To Concrete Or Metal ..... <i>For Each SF Of Abrasive Surface Finish, Add</i> <i>For Each LF Of Embedded Abrasive Strips, Add</i> <i>For Each LF Of Abrasive Metal Nosing, Add</i> <i>For Each SF Of Landings, Add</i>	21.89 0.35 0.56 3.90 1.50	2.74
09 66 13 19-0012 LF Terrazzo Stair Tread And Riser, Cast In Place, Bonded To Concrete Or Metal ..... <i>For Each SF Of Abrasive Surface Finish, Add</i> <i>For Each LF Of Embedded Abrasive Strips, Add</i> <i>For Each LF Of Abrasive Metal Nosing, Add</i> <i>For Each SF Of Landings, Add</i>	49.74 0.35 0.56 3.90 1.50	9.13
09 66 13 19-0013 SF Terrazzo Stair Stringer And Fascia, Cast In Place, Bonded To Concrete Or Metal ..... <i>For Each SF Of Abrasive Surface Finish, Add</i> <i>For Each LF Of Embedded Abrasive Strips, Add</i> <i>For Each LF Of Abrasive Metal Nosing, Add</i> <i>For Each SF Of Landings, Add</i>	22.47 0.35 0.56 3.90 1.50	2.74
<b>09 66 13 19-0014 Divider Strips</b> (09 66 13 19)		
09 66 13 19-0015 LF 1-1/4" Deep, 14 Gauge, Zinc Plated Steel, Divider Strip.....	3.32	0.46
09 66 13 19-0016 LF 1-1/4" Deep, 14 Gauge, Brass, Divider Strip .....	3.54	0.46
09 66 13 19-0017 LF 1-1/4" Deep, 1/4" Thick, Zinc Plated Steel, Heavy Top Strip .....	5.26	0.46
09 66 13 19-0018 LF 1-1/4" Deep, 1/4" Thick, Galvanized Steel Bottom, Brass, Heavy Top Strip.....	8.04	0.46
09 66 13 19-0019 LF 1/2" x 1/2", 16 Gauge, Zinc Plated Steel, Divider Strip For Thin Set Floors.....	3.13	0.46
09 66 13 19-0020 LF 1/2" x 1/2", 16 Gauge, Brass, Divider Strip For Thin Set Floors.....	4.89	0.46
09 66 13 19-0021 LF Vinyl Plastic, Divider Strip For Floor .....	2.59	0.46
<b>09 66 16 Terrazzo Floor Tile</b> (09 66)		
<b>09 66 16 13 Portland Cement Terrazzo Floor Tile</b> (09 66 16)		
<b>09 66 16 13-0001 Flooring Tiles</b> (09 66 16 13) Note: Gray cement setting bed 3/16" polyester matrix or 1/2" cement matrix 12" x 12".		
<b>09 66 16 13-0002 Terrazzo Tiles With Non Slip Surface</b> (09 66 16 13-0001)		
09 66 16 13-0003 SF 9" x 9" x 1" Non Slip Precast Terrazzo, Thin Set Floor Tile ..... <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	24.37 0.36 2.00	1.39
09 66 16 13-0004 SF 12" x 12" x 1" Non Slip Precast Terrazzo, Thin Set Floor Tile..... <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	25.86 0.36 2.00	1.39
09 66 16 13-0005 SF 12" x 12" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile ..... <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	30.62 0.36 2.00	1.39
09 66 16 13-0006 SF 18" x 18" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile ..... <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	34.20 0.36 2.00	1.39
09 66 16 13-0007 SF 24" x 24" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile ..... <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	37.42 0.36 2.00	1.39
<b>09 66 16 13-0008 Terrazzo Tile Thin Set</b> (09 66 16 13-0001)		
09 66 16 13-0009 SF Precast Terrazzo, 1/4"-1/2" Chips Floor Tiles, Thin Set Gray Cement Bed ..... <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	24.78 0.36 2.00	1.39
09 66 16 13-0010 SF Precast Terrazzo, 3/8"-1" Chips Floor Tiles, Thin Set Gray Cement Bed ..... <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	27.03 0.36 2.00	1.39

**09 Finishes****09 60 Flooring****09 66 Terrazzo Flooring**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 16 13-0011			<b>Thin Set Terrazzo Wainscot</b> (09 66 16 13-0001)		
09 66 16 13-0012	SF		12" x 12" x 1" Terrazzo Tile Wainscot Thin Set.....	34.15	2.80
			For Each LF Of White Cement, Add	0.50	
			For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0013	SF		18" x 18" x 1-1/2" Terrazzo Tile Wainscot Thin Set.....	38.45	2.80
			For Each LF Of White Cement, Add	0.50	
			For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0014			<b>Thin Set Terrazzo Base, Gray Cement</b> (09 66 16 13-0001)		
09 66 16 13-0015	LF		6" High, Straight Terrazzo Base Thin Set, Gray Cement .....	12.22	1.40
			For Each LF Of White Cement, Add	0.50	
			For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0016	LF		6" High, Cove Terrazzo Base Thin Set, Gray Cement .....	14.30	1.40
			For Each LF Of White Cement, Add	0.50	
			For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0017	LF		8" High, Straight Terrazzo Base Thin Set, Gray Cement .....	14.65	1.40
			For Each LF Of White Cement, Add	0.50	
			For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0018	LF		8" High, Cove Terrazzo Base Thin Set, Gray Cement .....	15.69	1.40
			For Each LF Of White Cement, Add	0.50	
			For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0019			<b>Terrazzo Curbs</b> (09 66 16 13-0001)		
09 66 16 13-0020	LF		8" x 8" Curb, Terrazzo Tile.....	20.79	1.86
			For Each LF Of White Cement, Add	0.50	
			For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0021	LF		6" x 6" Curb, Terrazzo Tile.....	19.75	1.86
			For Each LF Of White Cement, Add	0.50	
			For Each LF Of Zinc Toe Strip, Add	1.00	
09 66 16 13-0022			<b>Precast Terrazzo Stair Treads 12" Wide</b> (09 66 16 13-0001)		
09 66 16 13-0023	LF		1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Diamond Pattern.....	72.33	1.86
09 66 16 13-0024	LF		1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Non Slip Surface.....	59.83	1.86
09 66 16 13-0025	LF		2" Precast Terrazzo Straight Stair Tread.....	51.49	1.86
09 66 16 13-0026	LF		2" Precast Terrazzo Curved Stair Tread.....	61.00	1.86
09 66 16 13-0027			<b>Stair Risers, 1" Thick To 6" High, Straight</b> (09 66 16 13-0001)		
09 66 16 13-0028	LF		1"-6" High Precast Terrazzo Stair Riser Straight Section, Thin Set .....	30.83	1.40
09 66 16 13-0029	LF		1"-6" High Precast Terrazzo Stair Riser Straight Cove Section, Thin Set.....	37.09	1.40
09 66 16 13-0030			<b>Stair Risers, 1" Thick To 6" High, Curved</b> (09 66 16 13-0001)		
09 66 16 13-0031	LF		1" To 6" High Precast Terrazzo Stair Riser Curved Vertical Section, Thin Set .....	47.76	1.40
09 66 16 13-0032	LF		1" To 6" High Precast Terrazzo Stair Riser Curved Cove Section, Thin Set.....	51.92	1.40
09 66 16 13-0033			<b>Tread And Riser</b> (09 66 16 13)		
09 66 16 13-0034			<b>Stair Stringers, Notched For Treads And Risers</b> (09 66 16 13-0033)		
09 66 16 13-0035	LF		1" Precast Terrazzo Stair Stringers Notched For Treads And Risers.....	77.51	3.72
09 66 16 13-0036	LF		2" Precast Terrazzo Stair Stringers Notched For Treads And Risers.....	94.31	3.72
09 66 16 13-0037			<b>Structural Non-Slip Landings</b> (09 66 16 13-0033)		
09 66 16 13-0038	SF		1-1/2" Thick Precast Terrazzo Stair Landing Structural, Non Slip.....	56.81	1.86
09 66 16 13-0039	SF		3" Thick Precast Terrazzo Stair Landing Structural, Non Slip.....	71.51	1.86
09 66 16 13-0040			<b>Combined Tread And Riser</b> (09 66 16 13-0033)		
09 66 16 13-0041			<b>Straight Sections</b> (09 66 16 13-0040)		
09 66 16 13-0042	LF		Precast Terrazzo Stair Tread And Riser 1-1/2" Tread, 3/4" Riser, Straight Section.....	131.06	3.72
09 66 16 13-0043	LF		Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Straight Section.....	160.24	3.72
09 66 16 13-0044			<b>Curved Sections</b> (09 66 16 13-0040)		
09 66 16 13-0045	LF		Precast Terrazzo Stair Tread And Riser 2" Tread, 1" Riser, Curved Section.....	167.68	3.72
09 66 16 13-0046	LF		Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Curved Section.....	217.71	3.72
09 66 23			<b>Resinous Matrix Terrazzo Flooring</b> (09 66)		
09 66 23 16			<b>Epoxy-Resin Terrazzo Flooring</b> (09 66 23)		
09 66 23 16-0001			<b>Epoxy Terrazzo</b> (09 66 23 16)		



<b>Finishes</b>	<b>09</b>	<b>09</b>
Flooring	09 60	
Terrazzo Flooring	09 66	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 23 16-0002 SF Chemical Resistant Epoxy Terrazzo, 1/4" Thick .....	22.06	1.37
<b>09 66 33 Conductive Terrazzo Flooring (09 66)</b>		
Note: For anti-static areas.		
<b>09 66 33 13 Conductive Epoxy-Resin Terrazzo (09 66 33)</b>		
09 66 33 13-0001 SF Terrazzo, Epoxy System, Floor Sparkproof, Conductive, Industrial .....	25.22	2.33
09 66 33 13-0002 SF Terrazzo, Epoxy System, Base Sparkproof, Conductive, Industrial .....	48.21	2.33
<b>09 66 33 16 Conductive Polyester-Resin Terrazzo Flooring (09 66 33)</b>		
09 66 33 16-0001 SF Terrazzo, Polyester System, Floor Sparkproof, Conductive, Industrial .....	18.88	2.33
09 66 33 16-0002 SF Terrazzo, Polyester System, Base Sparkproof, Conductive, Industrial .....	35.35	2.33
<b>09 66 33 19 Conductive Plastic-Matrix Terrazzo Flooring (09 66 33)</b>		
09 66 33 19-0001 SF Terrazzo, Polyacrylate System, Floor Sparkproof, Conductive, Industrial .....	20.84	2.33
09 66 33 19-0002 SF Terrazzo, Polyacrylate System, Base Sparkproof, Conductive, Industrial .....	42.79	2.33
09 66 33 19-0003 SF Terrazzo, Synthetic Latex Mastic System, Floor Sparkproof, Conductive, Industrial .....	32.22	2.33
09 66 33 19-0004 SF Terrazzo, Synthetic Latex Mastic System, Base Sparkproof, Conductive, Industrial .....	35.51	2.33
<b>09 67 Fluid-Applied Flooring (09 60)</b>		
<b>09 67 16 Epoxy-Marble Chip Flooring (09 67)</b>		
<b>09 67 16 00-0001 Epoxy Marble Chip Flooring (09 67 16)</b>		
09 67 16 00-0002 SF Epoxy Marble Floor With Colored Quartz Chips In 1/4" Base .....	8.95	1.37
<i>For Skid Resistant Abrasive Sand Finish, Add</i>	0.05	
<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>	0.05	
09 67 16 00-0003 SF Epoxy Marble Chip Floor, Topping 3/16" Thick, Heavy Duty Epoxy .....	9.63	1.37
<i>For Skid Resistant Abrasive Sand Finish, Add</i>	0.05	
<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>	0.05	
<b>09 67 23 Resinous Flooring (09 67)</b>		
<b>09 67 23 00-0001 Epoxy Resinous Flooring (09 67 23)</b>		
Note: Includes existing floor preparation of sand or bead blasting, degreasing and cleaning of existing floor system prior to application if applied directly to floor. Excludes floor patching, saw cutting joints, additional grinding of existing floor, leveling of floor, removal of existing floor or tiles, and applied markings or stripes.		
09 67 23 00-0002 SF Heavy Duty Epoxy Resinous Chemical Resistant Industrial Flooring .....	13.08	3.88
<i>For &gt;500 To 1,000, Deduct</i>	-0.65	
<i>For &gt;1,000 To 2,500, Deduct</i>	-1.10	
<i>For &gt;2,500, Deduct</i>	-1.54	
<b>09 67 29 Epoxy Flooring (09 67)</b>		
<b>09 67 29 00-0001 Epoxy Flooring (09 67 29)</b>		
Note: Includes primer and topcoats (assorted colors), existing floor preparation of sand or bead blasting, degreasing and cleaning of existing floor system prior to application if applied directly to floor. Excludes floor patching, saw cutting joints, additional grinding of existing floor, leveling of floor, removal of existing floor or tiles, and applied markings or stripes.		
09 67 29 00-0002 SF Epoxy Flooring Trowel Applied Mortar Compound, 3/16" Heavy Duty (6,000 - 7,500 PSI) .....	8.09	3.10
<i>For Skid Resistant Abrasive Sand Finish, Add</i>	0.04	
<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>	0.04	
<i>For Up To 500, Add</i>	1.66	
<i>For &gt;500 To 1,000, Add</i>	1.03	
<i>For &gt;1,000 To 2,000, Add</i>	0.52	
09 67 29 00-0003 SF Epoxy Flooring Trowel Applied Mortar Compound, 3/16", Chemical Resistant (10,000 - 12,000 PSI) .....	13.45	3.10
<i>For Skid Resistant Abrasive Sand Finish, Add</i>	0.10	
<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>	0.10	
<i>For Up To 500, Add</i>	3.00	
<i>For &gt;500 To 1,000, Add</i>	1.83	
<i>For &gt;1,000 To 2,000, Add</i>	0.92	
09 67 29 00-0004 SF Epoxy Flooring Trowel Applied Mortar Compound, 1/4" Heavy Duty (6,000 - 7,500 PSI) .....	9.10	3.47
<i>For Skid Resistant Abrasive Sand Finish, Add</i>	0.05	
<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>	0.05	
<i>For Up To 500, Add</i>	1.86	
<i>For &gt;500 To 1,000, Add</i>	1.16	
<i>For &gt;1,000 To 2,000, Add</i>	0.58	
09 67 29 00-0005 SF Epoxy Flooring Trowel Applied Mortar Compound, 1/4", Chemical Resistant (10,000 - 12,000 PSI) .....	15.23	3.47
<i>For Skid Resistant Abrasive Sand Finish, Add</i>	0.11	
<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>	0.11	
<i>For Up To 500, Add</i>	3.39	
<i>For &gt;500 To 1,000, Add</i>	2.08	
<i>For &gt;1,000 To 2,000, Add</i>	1.04	
09 67 29 00-0006 SF Epoxy Flooring Trowel Applied Mortar Compound, 3/8" Heavy Duty (6,000 - 7,500 PSI) .....	10.28	3.88
<i>For Skid Resistant Abrasive Sand Finish, Add</i>	0.06	
<i>For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add</i>	0.06	
<i>For Up To 500, Add</i>	2.11	
<i>For &gt;500 To 1,000, Add</i>	1.31	
<i>For &gt;1,000 To 2,000, Add</i>	0.66	



<b>09</b>	<b>09 Finishes</b>
	<b>09 60 Flooring</b>
	<b>09 67 Fluid-Applied Flooring</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 67 29 00-0007 SF Epoxy Flooring Trowel Applied Mortar Compound, 3/8", Chemical Resistant (10,000 - 12,000 PSI) .....	16.79	3.88
For Skid Resistant Abrasive Sand Finish, Add	0.12	
For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.12	
For Up To 500, Add	3.74	
For >500 To 1,000, Add	2.29	
For >1,000 To 2,000, Add	1.15	
<b>09 68 Carpeting</b> <small>(09 60)</small>		
Note: No VOC carpet and adhesives. Includes tack strips, glue and floor fastenings as required and vacuuming.		
<b>09 68 13 Tile Carpeting</b> <small>(09 68)</small>		
09 68 13 00-0001 Vinyl Backed Carpet Tile <small>(09 68 13)</small>		
Note: Includes glue.		
09 68 13 00-0002 SY Carpet Tile, Interface, 20 oz Face Weight, Glasbac Backing (Adaptions, Nature Trails and Woodland Way) .....	45.78	2.35
09 68 13 00-0003 Tufted Carpet Tiles <small>(09 68 13)</small>		
Note: Level-loop pile or textured-loop pile carpet tiles. Includes glue or peel and stick backing.		
09 68 13 00-0004 Non-Patterned Carpet Tiles <small>(09 68 13 00-0003)</small>		
09 68 13 00-0005 SY 18 Ounce, Non Patterned, Nylon Carpet Tile.....	26.96	2.35
For >200 To 400, Deduct	-0.42	
For >400 To 600, Deduct	-0.64	
For >600 To 900, Deduct	-1.15	
For >900 To 1,500, Deduct	-1.66	
For >1,500 To 2,200, Deduct	-2.41	
For >2,200 To 3,500, Deduct	-3.08	
For >3,500, Deduct	-3.76	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0006 SY 20 Ounce, Non Patterned, Nylon Carpet Tile.....	28.24	2.35
For >200 To 400, Deduct	-0.45	
For >400 To 600, Deduct	-0.67	
For >600 To 900, Deduct	-1.21	
For >900 To 1,500, Deduct	-1.75	
For >1,500 To 2,200, Deduct	-2.54	
For >2,200 To 3,500, Deduct	-3.24	
For >3,500, Deduct	-3.95	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0007 SY 22 Ounce, Non Patterned, Nylon Carpet Tile.....	32.32	2.35
For >200 To 400, Deduct	-0.53	
For >400 To 600, Deduct	-0.80	
For >600 To 900, Deduct	-1.41	
For >900 To 1,500, Deduct	-2.03	
For >1,500 To 2,200, Deduct	-2.94	
For >2,200 To 3,500, Deduct	-3.75	
For >3,500, Deduct	-4.56	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0008 SY 24 Ounce, Non Patterned, Nylon Carpet Tile.....	36.30	2.35
For >200 To 400, Deduct	-0.61	
For >400 To 600, Deduct	-0.92	
For >600 To 900, Deduct	-1.61	
For >900 To 1,500, Deduct	-2.31	
For >1,500 To 2,200, Deduct	-3.34	
For >2,200 To 3,500, Deduct	-4.25	
For >3,500, Deduct	-5.16	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0009 SY 26 Ounce, Non Patterned, Nylon Carpet Tile.....	38.63	2.35
For >200 To 400, Deduct	-0.66	
For >400 To 600, Deduct	-0.99	
For >600 To 900, Deduct	-1.73	
For >900 To 1,500, Deduct	-2.47	
For >1,500 To 2,200, Deduct	-3.58	
For >2,200 To 3,500, Deduct	-4.54	
For >3,500, Deduct	-5.51	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0010 SY 28 Ounce, Non Patterned, Nylon Carpet Tile.....	41.01	2.35
For >200 To 400, Deduct	-0.71	
For >400 To 600, Deduct	-1.06	
For >600 To 900, Deduct	-1.85	
For >900 To 1,500, Deduct	-2.64	
For >1,500 To 2,200, Deduct	-3.81	
For >2,200 To 3,500, Deduct	-4.84	
For >3,500, Deduct	-5.86	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0011 SY 30 Ounce, Non Patterned, Nylon Carpet Tile.....	41.71	2.35
For >200 To 400, Deduct	-0.72	
For >400 To 600, Deduct	-1.08	
For >600 To 900, Deduct	-1.88	
For >900 To 1,500, Deduct	-2.69	
For >1,500 To 2,200, Deduct	-3.88	
For >2,200 To 3,500, Deduct	-4.93	
For >3,500, Deduct	-5.97	
For Cushion Backed Tile, Add	6.00	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Flooring	09 60	
Carpeting	09 68	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0012 SY 32 Ounce, Non Patterned, Nylon Carpet Tile.....	42.16	2.35
For >200 To 400, Deduct	-0.73	
For >400 To 600, Deduct	-1.09	
For >600 To 900, Deduct	-1.91	
For >900 To 1,500, Deduct	-2.72	
For >1,500 To 2,200, Deduct	-3.93	
For >2,200 To 3,500, Deduct	-4.98	
For >3,500, Deduct	-6.04	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0013 SY 34 Ounce, Non Patterned, Nylon Carpet Tile.....	42.53	2.35
For >200 To 400, Deduct	-0.74	
For >400 To 600, Deduct	-1.10	
For >600 To 900, Deduct	-1.92	
For >900 To 1,500, Deduct	-2.75	
For >1,500 To 2,200, Deduct	-3.97	
For >2,200 To 3,500, Deduct	-5.03	
For >3,500, Deduct	-6.09	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0014 SY 36 Ounce, Non Patterned, Nylon Carpet Tile.....	43.80	2.35
For >200 To 400, Deduct	-0.76	
For >400 To 600, Deduct	-1.14	
For >600 To 900, Deduct	-1.99	
For >900 To 1,500, Deduct	-2.84	
For >1,500 To 2,200, Deduct	-4.09	
For >2,200 To 3,500, Deduct	-5.19	
For >3,500, Deduct	-6.28	
For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0015 SY 38 Ounce, Non Patterned, Nylon Carpet Tile.....	46.32	2.35
For >200 To 400, Deduct	-0.81	
For >400 To 600, Deduct	-1.22	
For >600 To 900, Deduct	-2.11	
For >900 To 1,500, Deduct	-3.01	
For >1,500 To 2,200, Deduct	-4.34	
For >2,200 To 3,500, Deduct	-5.50	
For >3,500, Deduct	-6.66	
For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0016 SY 40 Ounce, Non Patterned, Nylon Carpet Tile.....	49.02	2.35
For >200 To 400, Deduct	-0.87	
For >400 To 600, Deduct	-1.30	
For >600 To 900, Deduct	-2.25	
For >900 To 1,500, Deduct	-3.20	
For >1,500 To 2,200, Deduct	-4.61	
For >2,200 To 3,500, Deduct	-5.84	
For >3,500, Deduct	-7.07	
For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0017 SY 42 Ounce, Non Patterned, Nylon Carpet Tile.....	54.21	2.35
For >200 To 400, Deduct	-0.97	
For >400 To 600, Deduct	-1.45	
For >600 To 900, Deduct	-2.51	
For >900 To 1,500, Deduct	-3.56	
For >1,500 To 2,200, Deduct	-5.13	
For >2,200 To 3,500, Deduct	-6.49	
For >3,500, Deduct	-7.84	
For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0018 SY Installation Of Owner Provided Non Patterned Carpet Tiles.....	5.91	
<b>09 68 13 00-0019 Patterned Carpet Tiles (09 68 13 00-0003)</b>		
Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.		
09 68 13 00-0020 SY 15 Ounce, Patterned, Nylon Carpet Tile.....	27.16	2.35
For >200 To 400, Deduct	-0.42	
For >400 To 600, Deduct	-0.62	
For >600 To 900, Deduct	-1.14	
For >900 To 1,500, Deduct	-1.65	
For >1,500 To 2,200, Deduct	-2.40	
For >2,200 To 3,500, Deduct	-3.08	
For >3,500, Deduct	-3.76	
For Cushion Backed Tile, Add	6.00	
09 68 13 00-0021 SY 18 Ounce, Patterned, Nylon Carpet Tile.....	27.84	2.35
For >200 To 400, Deduct	-0.43	
For >400 To 600, Deduct	-0.65	
For >600 To 900, Deduct	-1.17	
For >900 To 1,500, Deduct	-1.70	
For >1,500 To 2,200, Deduct	-2.47	
For >2,200 To 3,500, Deduct	-3.16	
For >3,500, Deduct	-3.86	
For Cushion Backed Tile, Add	6.00	

**09 Finishes**

**09 60 Flooring**

**09 68 Carpeting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0022	SY	20 Ounce, Patterned, Nylon Carpet Tile	.....	29.15	2.35
		<i>For &gt;200 To 400, Deduct</i>		-0.46	
		<i>For &gt;400 To 600, Deduct</i>		-0.68	
		<i>For &gt;600 To 900, Deduct</i>		-1.24	
		<i>For &gt;900 To 1,500, Deduct</i>		-1.79	
		<i>For &gt;1,500 To 2,200, Deduct</i>		-2.60	
		<i>For &gt;2,200 To 3,500, Deduct</i>		-3.33	
		<i>For &gt;3,500, Deduct</i>		-4.06	
		<i>For Cushion Backed Tile, Add</i>		6.00	
09 68 13 00-0023	SY	22 Ounce, Patterned, Nylon Carpet Tile	.....	33.29	2.35
		<i>For &gt;200 To 400, Deduct</i>		-0.54	
		<i>For &gt;400 To 600, Deduct</i>		-0.81	
		<i>For &gt;600 To 900, Deduct</i>		-1.44	
		<i>For &gt;900 To 1,500, Deduct</i>		-2.08	
		<i>For &gt;1,500 To 2,200, Deduct</i>		-3.01	
		<i>For &gt;2,200 To 3,500, Deduct</i>		-3.84	
		<i>For &gt;3,500, Deduct</i>		-4.68	
		<i>For Cushion Backed Tile, Add</i>		6.00	
09 68 13 00-0024	SY	24 Ounce, Patterned, Nylon Carpet Tile	.....	37.33	2.35
		<i>For &gt;200 To 400, Deduct</i>		-0.62	
		<i>For &gt;400 To 600, Deduct</i>		-0.93	
		<i>For &gt;600 To 900, Deduct</i>		-1.64	
		<i>For &gt;900 To 1,500, Deduct</i>		-2.36	
		<i>For &gt;1,500 To 2,200, Deduct</i>		-3.42	
		<i>For &gt;2,200 To 3,500, Deduct</i>		-4.35	
		<i>For &gt;3,500, Deduct</i>		-5.28	
		<i>For Cushion Backed Tile, Add</i>		6.00	
09 68 13 00-0025	SY	26 Ounce, Patterned, Nylon Carpet Tile	.....	39.69	2.35
		<i>For &gt;200 To 400, Deduct</i>		-0.67	
		<i>For &gt;400 To 600, Deduct</i>		-1.00	
		<i>For &gt;600 To 900, Deduct</i>		-1.76	
		<i>For &gt;900 To 1,500, Deduct</i>		-2.53	
		<i>For &gt;1,500 To 2,200, Deduct</i>		-3.65	
		<i>For &gt;2,200 To 3,500, Deduct</i>		-4.64	
		<i>For &gt;3,500, Deduct</i>		-5.64	
		<i>For Cushion Backed Tile, Add</i>		6.00	
09 68 13 00-0026	SY	28 Ounce, Patterned, Nylon Carpet Tile	.....	42.11	2.35
		<i>For &gt;200 To 400, Deduct</i>		-0.72	
		<i>For &gt;400 To 600, Deduct</i>		-1.07	
		<i>For &gt;600 To 900, Deduct</i>		-1.88	
		<i>For &gt;900 To 1,500, Deduct</i>		-2.69	
		<i>For &gt;1,500 To 2,200, Deduct</i>		-3.89	
		<i>For &gt;2,200 To 3,500, Deduct</i>		-4.95	
		<i>For &gt;3,500, Deduct</i>		-6.00	
		<i>For Cushion Backed Tile, Add</i>		6.00	
09 68 13 00-0027	SY	30 Ounce, Patterned, Nylon Carpet Tile	.....	42.82	2.35
		<i>For &gt;200 To 400, Deduct</i>		-0.73	
		<i>For &gt;400 To 600, Deduct</i>		-1.09	
		<i>For &gt;600 To 900, Deduct</i>		-1.92	
		<i>For &gt;900 To 1,500, Deduct</i>		-2.74	
		<i>For &gt;1,500 To 2,200, Deduct</i>		-3.97	
		<i>For &gt;2,200 To 3,500, Deduct</i>		-5.04	
		<i>For &gt;3,500, Deduct</i>		-6.11	
		<i>For Cushion Backed Tile, Add</i>		6.00	
09 68 13 00-0028	SY	32 Ounce, Patterned, Nylon Carpet Tile	.....	43.27	2.35
		<i>For &gt;200 To 400, Deduct</i>		-0.74	
		<i>For &gt;400 To 600, Deduct</i>		-1.11	
		<i>For &gt;600 To 900, Deduct</i>		-1.94	
		<i>For &gt;900 To 1,500, Deduct</i>		-2.78	
		<i>For &gt;1,500 To 2,200, Deduct</i>		-4.01	
		<i>For &gt;2,200 To 3,500, Deduct</i>		-5.09	
		<i>For &gt;3,500, Deduct</i>		-6.17	
		<i>For Cushion Backed Tile, Add</i>		6.00	
09 68 13 00-0029	SY	34 Ounce, Patterned, Nylon Carpet Tile	.....	43.65	2.35
		<i>For &gt;200 To 400, Deduct</i>		-0.75	
		<i>For &gt;400 To 600, Deduct</i>		-1.12	
		<i>For &gt;600 To 900, Deduct</i>		-1.96	
		<i>For &gt;900 To 1,500, Deduct</i>		-2.80	
		<i>For &gt;1,500 To 2,200, Deduct</i>		-4.05	
		<i>For &gt;2,200 To 3,500, Deduct</i>		-5.14	
		<i>For &gt;3,500, Deduct</i>		-6.23	
		<i>For Cushion Backed Tile, Add</i>		6.00	
09 68 13 00-0030	SY	36 Ounce, Patterned, Nylon Carpet Tile	.....	44.94	2.35
		<i>For &gt;200 To 400, Deduct</i>		-0.77	
		<i>For &gt;400 To 600, Deduct</i>		-1.16	
		<i>For &gt;600 To 900, Deduct</i>		-2.03	
		<i>For &gt;900 To 1,500, Deduct</i>		-2.89	
		<i>For &gt;1,500 To 2,200, Deduct</i>		-4.18	
		<i>For &gt;2,200 To 3,500, Deduct</i>		-5.30	
		<i>For &gt;3,500, Deduct</i>		-6.42	
		<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>		2.00	
		<i>For Cushion Backed Tile, Add</i>		6.00	



<b>Finishes</b>	<b>09</b>	
Flooring	09 60	09
Carpeting	09 68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0031	SY		38 Ounce, Patterned, Nylon Carpet Tile .....	47.49	2.35
			<i>For &gt;200 To 400, Deduct</i>	-0.82	
			<i>For &gt;400 To 600, Deduct</i>	-1.23	
			<i>For &gt;600 To 900, Deduct</i>	-2.15	
			<i>For &gt;900 To 1,500, Deduct</i>	-3.07	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-4.43	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-5.62	
			<i>For &gt;3,500, Deduct</i>	-6.81	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0032	SY		40 Ounce, Patterned, Nylon Carpet Tile .....	50.24	2.35
			<i>For &gt;200 To 400, Deduct</i>	-0.88	
			<i>For &gt;400 To 600, Deduct</i>	-1.32	
			<i>For &gt;600 To 900, Deduct</i>	-2.29	
			<i>For &gt;900 To 1,500, Deduct</i>	-3.26	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-4.71	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-5.96	
			<i>For &gt;3,500, Deduct</i>	-7.22	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0033	SY		42 Ounce, Patterned, Nylon Carpet Tile .....	55.51	2.35
			<i>For &gt;200 To 400, Deduct</i>	-0.98	
			<i>For &gt;400 To 600, Deduct</i>	-1.48	
			<i>For &gt;600 To 900, Deduct</i>	-2.55	
			<i>For &gt;900 To 1,500, Deduct</i>	-3.63	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-5.23	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-6.62	
			<i>For &gt;3,500, Deduct</i>	-8.01	
			<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00	
			<i>For Cushion Backed Tile, Add</i>	6.00	
09 68 13 00-0034	SY		Installation Of Owner Provided Patterned Carpet Tiles .....	6.74	
<b>09 68 13 00-0035</b>			<b>ESD Static Control Carpet Tiles (StaticSmart Mission Critical Discovery</b>		
			<b>ECO Series)</b> <small>(09 68 13 00-0003)</small>		
			Note: Includes conductive ESD releasable adhesive and grounding clips.		
09 68 13 00-0036	SY		24 Ounce, ESD Static Control, Non-Patterned, Nylon Carpet Tile (StaticSmart Mission Critical Discovery ECO Series) .....	54.65	2.35
			<i>For &gt;200 To 400, Deduct</i>	-0.97	
			<i>For &gt;400 To 600, Deduct</i>	-1.45	
			<i>For &gt;600 To 900, Deduct</i>	-2.51	
			<i>For &gt;900 To 1,500, Deduct</i>	-3.57	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-5.15	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-6.51	
			<i>For &gt;3,500, Deduct</i>	-7.88	
<b>09 68 16</b>			<b>Sheet Carpeting</b> <small>(09 68)</small>		
			Note: Weights shown are face weight excluding backing weight and excludes padding. Demolition of carpet includes removal of glue if required. Residential carpet backing basis is for padding and commercial carpet backing is for glue down.		
09 68 16 00-0001			<b>Carpet Cushion</b> <small>(09 68 16)</small>		
09 68 16 00-0002			<b>Carpet Pads</b> <small>(09 68 16 00-0001)</small>		
09 68 16 00-0003	SY		Foam Rubber Carpet Padding .....	4.44	1.17
09 68 16 00-0004	SY		Sponge Rubber Carpet Cushion .....	4.29	1.17
09 68 16 00-0005	SY		Urethane Carpet Cushion 1/4" Thick .....	4.48	1.17
09 68 16 00-0006	SY		Urethane Carpet Cushion 3/8" Thick .....	5.12	1.17
09 68 16 00-0007	SY		7/16" Thick, Rebonded, 6 LB/CF .....	4.60	1.17
09 68 16 00-0008	SY		3/8" Thick, Rebonded, 7 LB/CF .....	4.89	1.17
09 68 16 00-0009	SY		1/2" Thick, Rebonded, 8 LB/CF .....	5.31	1.17
<b>09 68 16 00-0010</b>			<b>Residential Broadloom Carpet</b> <small>(09 68 16)</small>		
			Note: Includes tacks. See CSI section 09 68 16 00-0001 for padding.		
09 68 16 00-0011	SY		25 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet .....	20.51	3.11
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	1.60	
			<i>For Up To 15, Add</i>	1.60	
			<i>For &gt;15 To 33, Add</i>	0.80	
			<i>For &gt;200 To 400, Deduct</i>	-0.25	
			<i>For &gt;400 To 600, Deduct</i>	-0.38	
			<i>For &gt;600 To 900, Deduct</i>	-0.75	
			<i>For &gt;900, Deduct</i>	-1.12	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0012	SY		30 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet .....	23.45	3.11
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	1.60	
			<i>For Up To 15, Add</i>	1.60	
			<i>For &gt;15 To 33, Add</i>	0.80	
			<i>For &gt;200 To 400, Deduct</i>	-0.31	
			<i>For &gt;400 To 600, Deduct</i>	-0.46	
			<i>For &gt;600 To 900, Deduct</i>	-0.89	
			<i>For &gt;900, Deduct</i>	-1.32	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	

**09 Finishes****09 60 Flooring****09 68 Carpeting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0013	SY		32 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	27.51	3.11
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	1.60	
			<i>For Up To 15, Add</i>	1.60	
			<i>For &gt;15 To 33, Add</i>	0.80	
			<i>For &gt;200 To 400, Deduct</i>	-0.39	
			<i>For &gt;400 To 600, Deduct</i>	-0.59	
			<i>For &gt;600 To 900, Deduct</i>	-1.10	
			<i>For &gt;900, Deduct</i>	-1.61	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0014	SY		34 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	31.74	3.11
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	1.60	
			<i>For Up To 15, Add</i>	1.60	
			<i>For &gt;15 To 33, Add</i>	0.80	
			<i>For &gt;200 To 400, Deduct</i>	-0.48	
			<i>For &gt;400 To 600, Deduct</i>	-0.71	
			<i>For &gt;600 To 900, Deduct</i>	-1.31	
			<i>For &gt;900, Deduct</i>	-1.90	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0015	SY		40 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	32.48	3.11
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	1.60	
			<i>For Up To 15, Add</i>	1.60	
			<i>For &gt;15 To 33, Add</i>	0.80	
			<i>For &gt;200 To 400, Deduct</i>	-0.49	
			<i>For &gt;400 To 600, Deduct</i>	-0.74	
			<i>For &gt;600 To 900, Deduct</i>	-1.34	
			<i>For &gt;900, Deduct</i>	-1.95	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0016	SY		45 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	33.41	3.42
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	1.68	
			<i>For Up To 15, Add</i>	1.70	
			<i>For &gt;15 To 33, Add</i>	0.85	
			<i>For &gt;200 To 400, Deduct</i>	-0.50	
			<i>For &gt;400 To 600, Deduct</i>	-0.75	
			<i>For &gt;600 To 900, Deduct</i>	-1.37	
			<i>For &gt;900, Deduct</i>	-2.00	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0017	SY		48 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	34.68	3.42
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	1.68	
			<i>For Up To 15, Add</i>	1.70	
			<i>For &gt;15 To 33, Add</i>	0.85	
			<i>For &gt;200 To 400, Deduct</i>	-0.52	
			<i>For &gt;400 To 600, Deduct</i>	-0.78	
			<i>For &gt;600 To 900, Deduct</i>	-1.44	
			<i>For &gt;900, Deduct</i>	-2.09	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0018	SY		50 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	37.81	3.42
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	1.68	
			<i>For Up To 15, Add</i>	1.70	
			<i>For &gt;15 To 33, Add</i>	0.85	
			<i>For &gt;200 To 400, Deduct</i>	-0.59	
			<i>For &gt;400 To 600, Deduct</i>	-0.88	
			<i>For &gt;600 To 900, Deduct</i>	-1.59	
			<i>For &gt;900, Deduct</i>	-2.31	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0019	SY		60 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	38.18	3.42
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	1.68	
			<i>For Up To 15, Add</i>	1.70	
			<i>For &gt;15 To 33, Add</i>	0.85	
			<i>For &gt;200 To 400, Deduct</i>	-0.59	
			<i>For &gt;400 To 600, Deduct</i>	-0.89	
			<i>For &gt;600 To 900, Deduct</i>	-1.61	
			<i>For &gt;900, Deduct</i>	-2.33	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0020	SY		65 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	39.65	3.42
			<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	1.68	
			<i>For Up To 15, Add</i>	1.70	
			<i>For &gt;15 To 33, Add</i>	0.85	
			<i>For &gt;200 To 400, Deduct</i>	-0.62	
			<i>For &gt;400 To 600, Deduct</i>	-0.93	
			<i>For &gt;600 To 900, Deduct</i>	-1.68	
			<i>For &gt;900, Deduct</i>	-2.43	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0021			<b>Commercial Broadloom Carpet</b> <small>(09 68 16)</small>		
			Note: Level-loop pile or textured-loop pile broadloom carpet.		
09 68 16 00-0022			<b>Non-Patterned Broadloom Carpet</b> <small>(09 68 16 00-0021)</small>		
09 68 16 00-0023	SY		22 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet.....	27.58	9.65
			<i>For Up To 15, Add</i>	1.29	
			<i>For &gt;15 To 33, Add</i>	0.64	
			<i>For &gt;200 To 400, Deduct</i>	-0.42	
			<i>For &gt;400 To 600, Deduct</i>	-0.63	
			<i>For &gt;600 To 900, Deduct</i>	-1.15	
			<i>For &gt;900, Deduct</i>	-1.67	
			<i>For Moisture Barrier Backing, Add</i>	3.50	
			<i>For Installation On Stairs, Each Riser, Add</i>	6.00	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Flooring	09 60	
Carpeting	09 68	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0024 SY 24 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet .....	27.58	9.65
For Up To 15, Add	1.29	
For >15 To 33, Add	0.64	
For >200 To 400, Deduct	-0.42	
For >400 To 600, Deduct	-0.63	
For >600 To 900, Deduct	-1.15	
For >900, Deduct	-1.67	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0025 SY 26 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet .....	27.58	9.65
For Up To 15, Add	1.29	
For >15 To 33, Add	0.64	
For >200 To 400, Deduct	-0.42	
For >400 To 600, Deduct	-0.63	
For >600 To 900, Deduct	-1.15	
For >900, Deduct	-1.67	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0026 SY 28 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet .....	29.89	10.45
For Up To 15, Add	1.39	
For >15 To 33, Add	0.70	
For >200 To 400, Deduct	-0.46	
For >400 To 600, Deduct	-0.69	
For >600 To 900, Deduct	-1.25	
For >900, Deduct	-1.81	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0027 SY 30 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet .....	30.54	10.45
For Up To 15, Add	1.39	
For >15 To 33, Add	0.70	
For >200 To 400, Deduct	-0.47	
For >400 To 600, Deduct	-0.71	
For >600 To 900, Deduct	-1.28	
For >900, Deduct	-1.86	
For Cut Pile Carpet, Add	1.50	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0028 SY 32 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet .....	30.65	10.45
For Up To 15, Add	1.39	
For >15 To 33, Add	0.70	
For >200 To 400, Deduct	-0.47	
For >400 To 600, Deduct	-0.71	
For >600 To 900, Deduct	-1.29	
For >900, Deduct	-1.87	
For Cut Pile Carpet, Add	1.50	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0029 SY 34 Ounce, Medium Traffic, Non Patterned, Nylon Broadloom Carpet .....	33.78	11.25
For Up To 15, Add	1.50	
For >15 To 33, Add	0.75	
For >200 To 400, Deduct	-0.53	
For >400 To 600, Deduct	-0.79	
For >600 To 900, Deduct	-1.43	
For >900, Deduct	-2.06	
For Cut Pile Carpet, Add	1.50	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0030 SY 36 Ounce, Heavy Traffic, Non Patterned, Nylon Broadloom Carpet .....	34.25	11.25
For Up To 15, Add	1.50	
For >15 To 33, Add	0.75	
For >200 To 400, Deduct	-0.53	
For >400 To 600, Deduct	-0.80	
For >600 To 900, Deduct	-1.45	
For >900, Deduct	-2.10	
For Cut Pile Carpet, Add	1.50	
For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0031 SY 38 Ounce, Heavy Traffic, Non Patterned, Nylon Broadloom Carpet .....	34.82	11.25
For Up To 15, Add	1.50	
For >15 To 33, Add	0.75	
For >200 To 400, Deduct	-0.55	
For >400 To 600, Deduct	-0.82	
For >600 To 900, Deduct	-1.48	
For >900, Deduct	-2.14	
For Cut Pile Carpet, Add	1.50	
For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
For Moisture Barrier Backing, Add	3.50	
For Installation On Stairs, Each Riser, Add	6.00	

09 68 16 00-0032 Patterned Broadloom Carpet (09 68 16 00-0021)  
 Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.

**09 Finishes**

**09 60 Flooring**

**09 68 Carpeting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0033	SY		22 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	28.55	9.65
			For Up To 15, Add	1.42	
			For >15 To 33, Add	0.71	
			For >200 To 400, Deduct	-0.43	
			For >400 To 600, Deduct	-0.64	
			For >600 To 900, Deduct	-1.18	
			For >900, Deduct	-1.72	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0034	SY		24 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	28.55	9.65
			For Up To 15, Add	1.42	
			For >15 To 33, Add	0.71	
			For >200 To 400, Deduct	-0.43	
			For >400 To 600, Deduct	-0.64	
			For >600 To 900, Deduct	-1.18	
			For >900, Deduct	-1.72	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0035	SY		26 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	28.55	9.65
			For Up To 15, Add	1.42	
			For >15 To 33, Add	0.71	
			For >200 To 400, Deduct	-0.43	
			For >400 To 600, Deduct	-0.64	
			For >600 To 900, Deduct	-1.18	
			For >900, Deduct	-1.72	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0036	SY		28 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	30.95	10.45
			For Up To 15, Add	1.53	
			For >15 To 33, Add	0.77	
			For >200 To 400, Deduct	-0.47	
			For >400 To 600, Deduct	-0.70	
			For >600 To 900, Deduct	-1.28	
			For >900, Deduct	-1.86	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0037	SY		30 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	31.60	10.45
			For Up To 15, Add	1.53	
			For >15 To 33, Add	0.77	
			For >200 To 400, Deduct	-0.48	
			For >400 To 600, Deduct	-0.72	
			For >600 To 900, Deduct	-1.31	
			For >900, Deduct	-1.91	
			For Cut Pile Carpet, Add	1.50	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0038	SY		32 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	31.72	10.45
			For Up To 15, Add	1.53	
			For >15 To 33, Add	0.77	
			For >200 To 400, Deduct	-0.48	
			For >400 To 600, Deduct	-0.72	
			For >600 To 900, Deduct	-1.32	
			For >900, Deduct	-1.91	
			For Cut Pile Carpet, Add	1.50	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0039	SY		34 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	34.92	11.25
			For Up To 15, Add	1.65	
			For >15 To 33, Add	0.83	
			For >200 To 400, Deduct	-0.53	
			For >400 To 600, Deduct	-0.80	
			For >600 To 900, Deduct	-1.46	
			For >900, Deduct	-2.11	
			For Cut Pile Carpet, Add	1.50	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0040	SY		36 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet.....	35.39	11.25
			For Up To 15, Add	1.65	
			For >15 To 33, Add	0.83	
			For >200 To 400, Deduct	-0.54	
			For >400 To 600, Deduct	-0.81	
			For >600 To 900, Deduct	-1.48	
			For >900, Deduct	-2.15	
			For Cut Pile Carpet, Add	1.50	
			For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
			For Moisture Barrier Backing, Add	3.50	
			For Installation On Stairs, Each Riser, Add	6.00	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Flooring	09 60	
Carpeting	09 68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0041	SY		38 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet..... <i>For Up To 15, Add</i> <i>For &gt;15 To 33, Add</i> <i>For &gt;200 To 400, Deduct</i> <i>For &gt;400 To 600, Deduct</i> <i>For &gt;600 To 900, Deduct</i> <i>For &gt;900, Deduct</i> <i>For Cut Pile Carpet, Add</i> <i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i> <i>For Moisture Barrier Backing, Add</i> <i>For Installation On Stairs, Each Riser, Add</i>	35.97 1.65 0.83 -0.55 -0.83 -1.51 -2.19 1.50 2.00 3.50 6.00	11.25
09 68 16 00-0042			<b>Indoor/Outdoor Carpet</b> (09 68 16) Note: Includes waterproof glue.		
09 68 16 00-0043	SY		Nylon Indoor/Outdoor Carpet.....	26.90	2.34
09 68 16 00-0044	SY		Ozite Indoor/Outdoor Carpet.....	21.41	2.34
09 68 16 00-0045			<b>Carpet Accessories</b> (09 68 16)		
09 68 16 00-0046	LF		Metal Carpet Saddle Strip, Up To 4" Wide.....	3.73	0.39
09 68 16 00-0047			<b>Removal And Reinstallation Of Carpet And Pad</b> (09 68 16) Note: Includes storage, cleaning and supply materials.		
09 68 16 00-0048	SY		Removal And Reinstallation Of Carpet And Pad.....	13.60	
09 68 16 00-0049			<b>Carpeting Support Functions</b> (09 68 16)		
09 68 16 00-0050			<b>Relocate Partitions, Modular Work Stations</b> (09 68 16 00-0049) Note: Includes disassembly and reassembly of work station. Excludes electrical disconnection or reconnection.		
09 68 16 00-0051	EA		Relocate Modular Work Station .....	136.37	
09 68 16 00-0052			<b>Installation Of Owner Provided Broadloom Carpet</b> (09 68 16)		
09 68 16 00-0053	SY		Up To 24 Oz, Installation Of Owner Provided Broadloom Carpet..... Note: Includes adhesive for glue-down or tack strip for padded installations. <i>For Up To 15, Add</i> <i>For &gt;15 To 33, Add</i>	5.83 1.12 0.56	
09 68 16 00-0054	SY		>24 To 34 Oz, Installation Of Owner Provided Broadloom Carpet .....	6.76	
			Note: Includes adhesive for glue-down or tack strip for padded installations. <i>For Up To 15, Add</i> <i>For &gt;15 To 33, Add</i>	1.31 0.65	
09 68 16 00-0055	SY		>34 Oz, Installation Of Owner Provided Broadloom Carpet..... Note: Includes adhesive for glue-down or tack strip for padded installations. <i>For Up To 15, Add</i> <i>For &gt;15 To 33, Add</i>	8.06 1.57 0.78	
<b>09 69 Access Flooring</b> (09 60)					
<b>09 69 13 Rigid-Grid Access Flooring</b> (09 69)					
<b>09 69 13 00-0001 Panels, No Covering</b> (09 69 13)					
09 69 13 00-0002	SF		2' x 2' Panels - No Covering Access And Pedestal Floors..... <i>For Carpet Covering, Add</i> <i>For Vinyl Floor Covering, Add</i>	10.41 2.77 1.91	0.39
09 69 13 00-0003	SF		2' x 2' Perforated Panels Access And Pedestal Floors .....	20.06	0.39
			<i>For Carpet Covering, Add</i> <i>For Vinyl Floor Covering, Add</i>	2.77 1.91	
09 69 13 00-0004	SF		Tate 1250AS Panel Cover UTP Designer Plus Color Raf Blue 7153T .....	18.65	0.43
09 69 13 00-0005	SF		Tate 1250AS Panel Cover UTP Designer Plus Color Sage Brown 7777T.....	18.65	0.43
09 69 13 00-0006	SF		Tate 1250AS Panel Cover UTP Designer Plus Color Moondance 6808.....	18.65	0.43
09 69 13 00-0007	SF		Tate 1250AS Panel Cover UTP Designer Plus Color Mosaic 6280.....	18.65	0.43
09 69 13 00-0008	SF		Tate 1250AS Panel Cover HPL 1/8" Nevamar ST-2 Beige Star/Brown Trim .....	17.60	0.43
09 69 13 00-0009	SF		Tate 1250AS Panel Cover HPL 1/8" Nevamar ST-6-1 Gray Star/Black Trim.....	17.60	0.43
09 69 13 00-0010	SF		Tate Concore 1500 Panel Cover UTP Designer Plus Color Raf Blue 7153T.....	19.95	0.43
09 69 13 00-0011	SF		Tate Concore 1500 Panel Cover UTP Designer Plus Color Sage Brown 7777T .....	19.95	0.43
09 69 13 00-0012	SF		Tate Concore 1500 Panel Cover UTP Designer Plus Color Moondance 6808.....	19.95	0.43
09 69 13 00-0013	SF		Tate Concore 1500 Panel Cover UTP Designer Plus Color Mosaic 6280 .....	19.95	0.43
09 69 13 00-0014	SF		Tate Concore 1500 Panel Cover HPL 1/8" Nevamar ST-2 Beige Star/Brown Trim .....	18.91	0.43
09 69 13 00-0015	SF		Tate Concore 1500 Panel Cover HPL 1/8" Nevamar ST-6-1 Grey Star/Black Trim .....	18.91	0.43
09 69 13 00-0016	SF		Tate 1250AS Perforated 25% O/A Cover 1/8 " Nevamar HPL ST-2 Beige Star Trim .....	24.10	0.43
09 69 13 00-0017	SF		Tate 1250AS Perforated 25% O/A Cover 1/8 " Nevamar HPL ST-6-1 Gray Star Trim .....	24.10	0.43
09 69 13 00-0018			<b>Pedestals</b> (09 69 13)		
09 69 13 00-0019	EA		2-1/2" To 4" Finished Floor Height, Pedestal Assembly.....	15.66	1.95
09 69 13 00-0020	EA		6" To 12" Finished Floor Height, Pedestal Assembly.....	20.19	1.95
09 69 13 00-0021	EA		8" To 12" Finished Floor Height, Pedestal Assembly.....	21.49	1.95
09 69 13 00-0022	EA		18" To 24" Finished Floor Height, Pedestal Assembly.....	22.14	1.95
09 69 13 00-0023	EA		30" To 36" Finished Floor Height, Pedestal Assembly.....	24.51	1.95



**09 Finishes****09 60 Flooring****09 69 Access Flooring**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>09 69 13 00-0024</b>	<b>Stringers</b> <small>(09 69 13)</small>		
09 69 13 00-0025	EA 2' Bolted Stringers, Access And Pedestal Floors .....	9.24	2.33
09 69 13 00-0026	EA 4' Bolted Stringers, Access And Pedestal Floors .....	16.73	3.51
09 69 13 00-0027	EA 6' Bolted Stringers, Access And Pedestal Floors .....	26.09	5.84
<b>09 69 13 00-0028</b>	<b>Understructure</b> <small>(09 69 13)</small>		
09 69 13 00-0029	SF Standard Bolted Stringer Understructure 8" Or 12" Finished Floor Height.....	3.55	0.58
09 69 13 00-0030	SF Standard Bolted Stringer Understructure 18" Or 24" Finished Floor Height.....	3.86	0.58
09 69 13 00-0031	SF Standard Bolted Stringer Understructure 30" Or 36" Finished Floor Height.....	4.57	0.58
<b>09 69 53</b>	<b>Access Flooring Accessories</b> <small>(09 69)</small>		
<b>09 69 53 00-0001</b>	<b>Accessories</b> <small>(09 69 53)</small>		
09 69 53 00-0002	SF Accessories, Ramp Assembly Access And Pedestal Floors.....	22.68	1.56
09 69 53 00-0003	LF Accessories, Handrail Access And Pedestal Floors.....	36.50	2.73
09 69 53 00-0004	LF Accessories, Fascia Plate Access And Pedestal Floors .....	12.97	2.73
09 69 53 00-0005	EA Machine Cutouts.....	109.18	
09 69 53 00-0006	SF Tate Tamp, Cover Step Master Slip Retard- Tile, Buckskin Or Slate.....	38.73	
09 69 53 00-0007	LF Tate 2 Or 3 Riser Steps In Raised Floor System .....	94.81	0.19
	Note: Includes baffles, fascia plates trim and cover.		
09 69 53 00-0008	LF Tate Handrail .....	74.07	1.29
09 69 53 00-0009	SF Hammered Aluminum Finish Fascia .....	25.55	1.29
	Note: Includes trim angles and hardware (8", 12", 18", 24").		
09 69 53 00-0010	EA 7" x 17" Lexan Floor Mounted Grille .....	117.30	4.87
	Note: Includes carpet trim to flush mount.		
09 69 53 00-0011	EA Cut Hole In Raised Floor And Trim With Black 1/2" Trim Material .....	22.65	
09 69 53 00-0012	EA Cut Round Hole In Raised Floor And Trim Carpet Install 4" Plastic Insert (Gromtec#GT003).....	22.65	
09 69 53 00-0013	EA Rehab Panel (Any Brand, Weight) Carpet Cover Only - New UTP Carpet .....	35.73	0.78
09 69 53 00-0014	EA Rehab Panel (Any Brand, Weight) Carpet Cover Only - New HPL.....	44.20	0.78
09 69 53 00-0015	EA Rehab Panel (Any Brand, Weight) HPL Cover Only - With New HPL/WA Edge Trim.....	33.38	0.78
09 69 53 00-0016	EA Rehab Panel (Any Brand, Weight) HPL Cover Only - With New HPL Top set Trim Edge .....	44.19	0.78
09 69 53 00-0017	EA Flush Mounted Electrical Box (Including Cutting Hole Trim Carpet) P/N Telo-7018-4 .....	115.73	4.87
09 69 53 00-0018	EA Flush Mounted Telephone Box (Grey/Black/Communications).....	78.43	4.87
	Note: Includes cut hole.		
09 69 53 00-0019	EA Flush Mounted Electrical Box (In Existing Hole) P/N Telo 7018-4 .....	115.73	4.87
09 69 53 00-0020	EA Flush Mounted Telephone Box (Grey/Black/Communications) (In Existing Hole) P/N Telo-7018-2 .....	62.84	0.78
09 69 53 00-0021	EA Remove Flush Mounted Electrical, Telephone Or Communications Floor Box In Raised Floor .....	3.89	
<b>09 69 53 00-0022</b>	<b>Final Cleaning For Computer Room Raised Floor System</b> <small>(09 69 53)</small>		
	Note: Includes wipe dirt/dust from stringers and raised floor beneath raised floor. For new or existing systems.		
09 69 53 00-0023	SF Vacuum Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath Raised Floor.....	1.46	
09 69 53 00-0024	SF Vacuum/Shampoo Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath .....	1.54	
09 69 53 00-0025	SF Vacuum/Wet Mop Clean Raised Floor HPL Panel Wipe Dirt/Dust Stringers And Raised Floor.....	1.51	

**09 70 Wall Finishes** (09)**09 72 Wall Coverings** (09 70)**09 72 13 Cork Wall Coverings** (09 72)**09 72 13 00-0001 Cork Wall Covering** (09 72 13)

09 72 13 00-0002	SF 1/8" Cork Wall Covering.....	2.90	0.41
09 72 13 00-0003	SF 1/4" Cork Wall Covering.....	3.88	0.41
09 72 13 00-0004	SF 1/2" Cork Wall Covering.....	4.66	0.41
09 72 13 00-0005	SF 3/4" Cork Wall Covering.....	6.96	0.41

**09 72 16 Vinyl-Coated Fabric Wall Coverings** (09 72)**09 72 16 13 Flexible Vinyl Wall Coverings** (09 72 16)**09 72 16 13-0001 Vinyl Wall Coverings** (09 72 16 13)

Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.

09 72 16 13-0002	SF 7-10 Oz/SY Vinyl Wall Covering .....	1.83	0.41
	For Owner Furnished Material, Deduct .....	-1.19	
09 72 16 13-0003	SF 11-14 Oz/SY Vinyl Wall Covering .....	2.42	0.41
	For Owner Furnished Material, Deduct .....	-1.74	
09 72 16 13-0004	SF 15-19 Oz/SY Vinyl Wall Covering .....	2.86	0.41
	For Owner Furnished Material, Deduct .....	-2.18	
09 72 16 13-0005	SF 20-25 Oz/SY Vinyl Wall Covering .....	3.36	0.41
	For Owner Furnished Material, Deduct .....	-2.51	
09 72 16 13-0006	SF 26-32 Oz/SY Vinyl Wall Covering .....	3.94	0.41
	For Owner Furnished Material, Deduct .....	-3.05	
09 72 16 13-0007	SF 33-38 Oz/SY Vinyl Wall Covering .....	4.79	0.41
	For Owner Furnished Material, Deduct .....	-3.86	



<b>Finishes</b>	<b>09</b>	<b>2</b>
Wall Finishes	09 70	
Wall Coverings	09 72	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>09 72 16 13-0008 Vinyl Wall Border</b> <small>(09 72 16 13)</small>		
09 72 16 13-0009 LF 4" Vinyl Wall Cover Border .....	1.22	0.41
09 72 16 13-0010 LF 5" Vinyl Wall Cover Border .....	1.30	0.41
09 72 16 13-0011 LF 6" Vinyl Wall Cover Border .....	1.43	0.41
09 72 16 13-0012 LF 7" Vinyl Wall Cover Border .....	1.64	0.45
09 72 16 13-0013 LF 8" Vinyl Wall Cover Border .....	1.98	0.49
09 72 16 13-0014 LF 10" Vinyl Wall Cover Border .....	2.41	0.53
<b>09 72 23 Wallpapering</b> <small>(09 72)</small>		
<b>09 72 23 00-0001 Wallpaper Coverings</b> <small>(09 72 23)</small>		
Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.		
09 72 23 00-0002 SF Average Quality Wallpaper (Standard Grade) .....	1.51	0.54
09 72 23 00-0003 SF High Quality Wallpaper (Designer Grade) .....	2.70	0.70
09 72 23 00-0004 SF Ceiling Paper .....	2.09	1.03
<b>09 73 Wall Carpeting</b> <small>(09 70)</small>		
<b>09 73 00 00-0001 Carpet Wall Covering</b> <small>(09 73)</small>		
09 73 00 00-0002 SY 28 Ounce, Nylon Carpet Wall Covering .....	23.05	10.71
09 73 00 00-0003 SY 32 Ounce, Nylon Carpet Wall Covering .....	23.74	10.71
09 73 00 00-0004 SY 34 Ounce, Nylon Carpet Wall Covering .....	25.59	11.53
09 73 00 00-0005 SY 35 Ounce, Nylon Carpet Wall Covering .....	27.06	11.53
09 73 00 00-0006 SY 36 Ounce, Nylon Carpet Wall Covering .....	28.59	11.53
09 73 00 00-0007 SY 38 Ounce, Nylon Carpet Wall Covering .....	29.42	11.53
09 73 00 00-0008 SY 40 Ounce, Nylon Carpet Wall Covering .....	30.73	12.46
09 73 00 00-0009 SY 42 Ounce, Nylon Carpet Wall Covering .....	32.17	12.46
<b>09 74 Flexible Wood Sheets</b> <small>(09 70)</small>		
<b>09 74 16 Flexible Wood Veneers</b> <small>(09 74)</small>		
<b>09 74 16 00-0001 Flexible Wood Veneer</b> <small>(09 74 16)</small>		
09 74 16 00-0002 SF 1/32" Thick, Flexible Maple Wood Veneer .....	4.90	1.65
09 74 16 00-0003 SF 1/32" Thick, Flexible Oak Wood Veneer .....	5.00	1.65
09 74 16 00-0004 SF 1/32" Thick, Flexible Mahogany Wood Veneer .....	5.00	1.65
09 74 16 00-0005 SF 1/32" Thick, Flexible Birch Wood Veneer .....	5.10	1.65
09 74 16 00-0006 SF 1/32" Thick, Flexible Walnut Wood Veneer .....	5.61	1.65
09 74 16 00-0007 SF 1/32" Thick, Flexible Bamboo Wood Veneer .....	6.21	1.65
09 74 16 00-0008 SF 1/32" Thick, Flexible Fir Wood Veneer .....	6.92	1.65
<b>09 74 16 00-0009 Flexible Exotic Wood Veneer</b> <small>(09 74 16)</small>		
09 74 16 00-0010 SF 1/32" Thick, Flexible Exotic Wood Veneer .....	8.67	1.65
<b>09 77 Special Wall Surfacing</b> <small>(09 70)</small>		
<b>09 77 63 Blast Protection Wall Surfacing</b> <small>(09 77)</small>		
<b>09 77 63 00-0001 Blast Protection Wall System</b> <small>(09 77 63)</small>		
Note: Includes delivery of material to job site. Excludes Labor Tax rates in applicable states.		
<b>09 77 63 00-0002 Blast Protection Wall System (X-Flex®)</b> <small>(09 77 63 00-0001)</small>		
Note: X-Flex Blast Protection membrane was developed to keep exterior walls intact during a traumatic event such as but not limited to IED's (Improvised Explosive Device), Road-side/Car Bombs, Incendiarities, and acts of nature. Secured to walls, and to ceiling and floor mechanically with metal brackets, the reinforced material mitigates opportunity for debris being displaced throughout the interior. This product By Design helps prevent against catastrophic damage, loss of life and business interruption that would normally occur on unprotected structures. Contact LCG Safeguard Industries (678) 642-8665 (c) or (678) 455-0464 (o), www.lcgsafeguard.com		
09 77 63 00-0003 SF LCG X-Flex Blast Protection Film Installed On Walls .....	54.76	
Note: Minimum order quantity of 2,000 SF. Includes preparing surface, dust and debris removal by hand, clean and protect adjacent area. Excludes lifting device for film where required. See CSI section 01 22 23 00-1012 for forklift where required.		
09 77 63 00-0004 LF LCG X-Flex 1-5/8" x 13/16" Strut, Drill, Bit and Bolt Kit .....	20.70	
Note: Includes installation.		
09 77 63 00-0005 SF LCG X-Flex Water-Based Primer .....	2.53	
09 77 63 00-0006 SF LCG X-Flex Installation Kit .....	0.14	
09 77 63 00-0007 HR LCG X-Flex Engineering Consultants .....	200.00	
Note: Excludes travel and per diem.		
<b>09 78 Interior Wall Paneling</b> <small>(09 70)</small>		
<b>09 78 23 Recycled Resin Interior Wall Paneling</b> <small>(09 78)</small>		
09 78 23 00-0001 Varia Ecoresin Panels And Accessories <small>(09 78 23)</small>		

**09 Finishes**

**09 70 Wall Finishes**

**09 78 Interior Wall Paneling**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 78 23 00-0002	4' x 8' Varia Ecoresin Panels And Accessories (09 78 23 00-0001)		
09 78 23 00-0003	4' x 8' Varia Ecoresin Panels (09 78 23 00-0002)		
09 78 23 00-0004	EA 1/16" Thick, Group A, 4' x 8' Varia Ecoresin Panel .....884.37		199.51
	For 6 To 14 Panels, Deduct	-19.28	
	For 15 To 29 Panels, Deduct	-38.56	
	For 30 To 59 Panels, Deduct	-58.74	
	For 60 To 99 Panels, Deduct	-82.78	
	For 100 To 199 Panels, Deduct	-106.81	
	For 200+ Panels, Deduct	-126.99	
09 78 23 00-0005	EA 1/8" Thick, Group A, 4' x 8' Varia Ecoresin Panel .....1,033.23		207.50
	For 6 To 14 Panels, Deduct	-25.72	
	For 15 To 29 Panels, Deduct	-51.45	
	For 30 To 59 Panels, Deduct	-74.71	
	For 60 To 99 Panels, Deduct	-103.11	
	For 100 To 199 Panels, Deduct	-131.51	
	For 200+ Panels, Deduct	-154.77	
09 78 23 00-0006	EA 3/16" Thick, Group A, 4' x 8' Varia Ecoresin Panel .....1,182.87		215.48
	For 6 To 14 Panels, Deduct	-32.21	
	For 15 To 29 Panels, Deduct	-64.42	
	For 30 To 59 Panels, Deduct	-90.77	
	For 60 To 99 Panels, Deduct	-123.56	
	For 100 To 199 Panels, Deduct	-156.35	
	For 200+ Panels, Deduct	-182.70	
09 78 23 00-0007	EA 1/4" Thick, Group A, 4' x 8' Varia Ecoresin Panel .....1,267.46		223.47
	For 6 To 14 Panels, Deduct	-35.44	
	For 15 To 29 Panels, Deduct	-70.88	
	For 30 To 59 Panels, Deduct	-99.02	
	For 60 To 99 Panels, Deduct	-134.25	
	For 100 To 199 Panels, Deduct	-169.48	
	For 200+ Panels, Deduct	-197.63	
09 78 23 00-0008	EA 3/8" Thick, Group A, 4' x 8' Varia Ecoresin Panel .....1,582.17		231.44
	For 6 To 14 Panels, Deduct	-50.18	
	For 15 To 29 Panels, Deduct	-100.36	
	For 30 To 59 Panels, Deduct	-134.89	
	For 60 To 99 Panels, Deduct	-179.46	
	For 100 To 199 Panels, Deduct	-224.04	
	For 200+ Panels, Deduct	-258.57	
09 78 23 00-0009	EA 1/2" Thick, Group A, 4' x 8' Varia Ecoresin Panel .....1,861.08		239.42
	For 6 To 14 Panels, Deduct	-63.13	
	For 15 To 29 Panels, Deduct	-126.25	
	For 30 To 59 Panels, Deduct	-166.47	
	For 60 To 99 Panels, Deduct	-219.31	
	For 100 To 199 Panels, Deduct	-272.15	
	For 200+ Panels, Deduct	-312.36	
09 78 23 00-0010	EA 3/4" Thick, Group A, 4' x 8' Varia Ecoresin Panel .....2,722.60		247.41
	For 6 To 14 Panels, Deduct	-105.20	
	For 15 To 29 Panels, Deduct	-210.41	
	For 30 To 59 Panels, Deduct	-267.95	
	For 60 To 99 Panels, Deduct	-346.54	
	For 100 To 199 Panels, Deduct	-425.12	
	For 200+ Panels, Deduct	-482.67	
09 78 23 00-0011	EA 1" Thick, Group A, 4' x 8' Varia Ecoresin Panel .....3,212.39		255.38
	For 6 To 14 Panels, Deduct	-128.70	
	For 15 To 29 Panels, Deduct	-257.39	
	For 30 To 59 Panels, Deduct	-324.83	
	For 60 To 99 Panels, Deduct	-418.01	
	For 100 To 199 Panels, Deduct	-511.19	
	For 200+ Panels, Deduct	-578.63	
09 78 23 00-0012	EA 1/16" Thick, Group B, 4' x 8' Varia Ecoresin Panel .....999.42		199.51
	For 6 To 14 Panels, Deduct	-25.03	
	For 15 To 29 Panels, Deduct	-50.06	
	For 30 To 59 Panels, Deduct	-72.54	
	For 60 To 99 Panels, Deduct	-100.03	
	For 100 To 199 Panels, Deduct	-127.52	
	For 200+ Panels, Deduct	-150.00	
09 78 23 00-0013	EA 1/8" Thick, Group B, 4' x 8' Varia Ecoresin Panel .....1,144.82		207.50
	For 6 To 14 Panels, Deduct	-31.30	
	For 15 To 29 Panels, Deduct	-62.61	
	For 30 To 59 Panels, Deduct	-88.10	
	For 60 To 99 Panels, Deduct	-119.85	
	For 100 To 199 Panels, Deduct	-151.60	
	For 200+ Panels, Deduct	-177.09	
09 78 23 00-0014	EA 3/16" Thick, Group B, 4' x 8' Varia Ecoresin Panel .....1,290.99		215.48
	For 6 To 14 Panels, Deduct	-37.61	
	For 15 To 29 Panels, Deduct	-75.23	
	For 30 To 59 Panels, Deduct	-103.74	
	For 60 To 99 Panels, Deduct	-139.78	
	For 100 To 199 Panels, Deduct	-175.81	
	For 200+ Panels, Deduct	-204.33	



<b>Finishes</b>	<b>09</b>	<b>09</b>
<b>Wall Finishes</b>	<b>09 70</b>	
<b>Interior Wall Paneling</b>	<b>09 78</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0015 EA 1/4" Thick, Group B, 4' x 8' Varia Ecoresin Panel .....	1,408.68	223.47
For 6 To 14 Panels, Deduct	-42.50	
For 15 To 29 Panels, Deduct	-85.00	
For 30 To 59 Panels, Deduct	-115.97	
For 60 To 99 Panels, Deduct	-155.44	
For 100 To 199 Panels, Deduct	-194.90	
For 200+ Panels, Deduct	-225.87	
09 78 23 00-0016 EA 3/8" Thick, Group B, 4' x 8' Varia Ecoresin Panel .....	1,696.07	231.44
For 6 To 14 Panels, Deduct	-55.87	
For 15 To 29 Panels, Deduct	-111.75	
For 30 To 59 Panels, Deduct	-148.56	
For 60 To 99 Panels, Deduct	-196.55	
For 100 To 199 Panels, Deduct	-244.54	
For 200+ Panels, Deduct	-281.35	
09 78 23 00-0017 EA 1/2" Thick, Group B, 4' x 8' Varia Ecoresin Panel .....	2,015.00	239.42
For 6 To 14 Panels, Deduct	-70.82	
For 15 To 29 Panels, Deduct	-141.65	
For 30 To 59 Panels, Deduct	-184.94	
For 60 To 99 Panels, Deduct	-242.40	
For 100 To 199 Panels, Deduct	-299.85	
For 200+ Panels, Deduct	-343.15	
09 78 23 00-0018 EA 3/4" Thick, Group B, 4' x 8' Varia Ecoresin Panel .....	2,805.71	247.41
For 6 To 14 Panels, Deduct	-109.36	
For 15 To 29 Panels, Deduct	-218.72	
For 30 To 59 Panels, Deduct	-277.93	
For 60 To 99 Panels, Deduct	-359.01	
For 100 To 199 Panels, Deduct	-440.08	
For 200+ Panels, Deduct	-499.29	
09 78 23 00-0019 EA 1" Thick, Group B, 4' x 8' Varia Ecoresin Panel .....	3,313.97	255.38
For 6 To 14 Panels, Deduct	-133.78	
For 15 To 29 Panels, Deduct	-267.55	
For 30 To 59 Panels, Deduct	-337.02	
For 60 To 99 Panels, Deduct	-433.25	
For 100 To 199 Panels, Deduct	-529.48	
For 200+ Panels, Deduct	-598.95	
09 78 23 00-0020 EA 1/16" Thick, Group C, 4' x 8' Varia Ecoresin Panel .....	1,142.96	199.51
For 6 To 14 Panels, Deduct	-32.21	
For 15 To 29 Panels, Deduct	-64.42	
For 30 To 59 Panels, Deduct	-89.77	
For 60 To 99 Panels, Deduct	-121.56	
For 100 To 199 Panels, Deduct	-153.36	
For 200+ Panels, Deduct	-178.71	
09 78 23 00-0021 EA 1/8" Thick, Group C, 4' x 8' Varia Ecoresin Panel .....	1,328.37	207.50
For 6 To 14 Panels, Deduct	-40.48	
For 15 To 29 Panels, Deduct	-80.96	
For 30 To 59 Panels, Deduct	-110.12	
For 60 To 99 Panels, Deduct	-147.38	
For 100 To 199 Panels, Deduct	-184.64	
For 200+ Panels, Deduct	-213.80	
09 78 23 00-0022 EA 3/16" Thick, Group C, 4' x 8' Varia Ecoresin Panel .....	1,461.46	215.48
For 6 To 14 Panels, Deduct	-46.14	
For 15 To 29 Panels, Deduct	-92.28	
For 30 To 59 Panels, Deduct	-124.20	
For 60 To 99 Panels, Deduct	-165.35	
For 100 To 199 Panels, Deduct	-206.50	
For 200+ Panels, Deduct	-238.42	
09 78 23 00-0023 EA 1/4" Thick, Group C, 4' x 8' Varia Ecoresin Panel .....	1,578.38	223.47
For 6 To 14 Panels, Deduct	-50.99	
For 15 To 29 Panels, Deduct	-101.97	
For 30 To 59 Panels, Deduct	-136.33	
For 60 To 99 Panels, Deduct	-180.89	
For 100 To 199 Panels, Deduct	-225.45	
For 200+ Panels, Deduct	-259.81	
09 78 23 00-0024 EA 3/8" Thick, Group C, 4' x 8' Varia Ecoresin Panel .....	1,841.14	231.44
For 6 To 14 Panels, Deduct	-63.13	
For 15 To 29 Panels, Deduct	-126.25	
For 30 To 59 Panels, Deduct	-165.97	
For 60 To 99 Panels, Deduct	-218.31	
For 100 To 199 Panels, Deduct	-270.65	
For 200+ Panels, Deduct	-310.37	
09 78 23 00-0025 EA 1/2" Thick, Group C, 4' x 8' Varia Ecoresin Panel .....	2,201.63	239.42
For 6 To 14 Panels, Deduct	-80.15	
For 15 To 29 Panels, Deduct	-160.31	
For 30 To 59 Panels, Deduct	-207.33	
For 60 To 99 Panels, Deduct	-270.39	
For 100 To 199 Panels, Deduct	-333.45	
For 200+ Panels, Deduct	-380.47	
09 78 23 00-0026 EA 3/4" Thick, Group C, 4' x 8' Varia Ecoresin Panel .....	3,014.27	247.41
For 6 To 14 Panels, Deduct	-119.79	
For 15 To 29 Panels, Deduct	-239.58	
For 30 To 59 Panels, Deduct	-302.95	
For 60 To 99 Panels, Deduct	-390.29	
For 100 To 199 Panels, Deduct	-477.63	
For 200+ Panels, Deduct	-541.00	

## 09 Finishes

## 09 70 Wall Finishes

## 09 78 Interior Wall Paneling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0027 EA 1" Thick, Group C, 4' x 8' Varia Ecoresin Panel.....	3,504.07	255.38
For 6 To 14 Panels, Deduct	-143.28	
For 15 To 29 Panels, Deduct	-286.56	
For 30 To 59 Panels, Deduct	-359.83	
For 60 To 99 Panels, Deduct	-461.76	
For 100 To 199 Panels, Deduct	-563.69	
For 200+ Panels, Deduct	-636.97	
09 78 23 00-0028 EA 1/16" Thick, Group D, 4' x 8' Varia Ecoresin Panel.....	1,236.85	199.51
For 6 To 14 Panels, Deduct	-36.90	
For 15 To 29 Panels, Deduct	-73.81	
For 30 To 59 Panels, Deduct	-101.04	
For 60 To 99 Panels, Deduct	-135.65	
For 100 To 199 Panels, Deduct	-170.26	
For 200+ Panels, Deduct	-197.49	
09 78 23 00-0029 EA 1/8" Thick, Group D, 4' x 8' Varia Ecoresin Panel.....	1,400.71	207.50
For 6 To 14 Panels, Deduct	-44.10	
For 15 To 29 Panels, Deduct	-88.20	
For 30 To 59 Panels, Deduct	-118.80	
For 60 To 99 Panels, Deduct	-158.23	
For 100 To 199 Panels, Deduct	-197.66	
For 200+ Panels, Deduct	-228.27	
09 78 23 00-0030 EA 3/16" Thick, Group D, 4' x 8' Varia Ecoresin Panel.....	1,558.81	215.48
For 6 To 14 Panels, Deduct	-51.01	
For 15 To 29 Panels, Deduct	-102.01	
For 30 To 59 Panels, Deduct	-135.88	
For 60 To 99 Panels, Deduct	-179.95	
For 100 To 199 Panels, Deduct	-224.02	
For 200+ Panels, Deduct	-257.89	
09 78 23 00-0031 EA 1/4" Thick, Group D, 4' x 8' Varia Ecoresin Panel.....	1,761.54	223.47
For 6 To 14 Panels, Deduct	-60.14	
For 15 To 29 Panels, Deduct	-120.29	
For 30 To 59 Panels, Deduct	-158.31	
For 60 To 99 Panels, Deduct	-208.37	
For 100 To 199 Panels, Deduct	-258.42	
For 200+ Panels, Deduct	-296.44	
09 78 23 00-0032 EA 3/8" Thick, Group D, 4' x 8' Varia Ecoresin Panel.....	1,973.89	231.44
For 6 To 14 Panels, Deduct	-69.76	
For 15 To 29 Panels, Deduct	-139.53	
For 30 To 59 Panels, Deduct	-181.90	
For 60 To 99 Panels, Deduct	-238.22	
For 100 To 199 Panels, Deduct	-294.55	
For 200+ Panels, Deduct	-336.92	
09 78 23 00-0033 EA 1/2" Thick, Group D, 4' x 8' Varia Ecoresin Panel.....	2,379.02	239.42
For 6 To 14 Panels, Deduct	-89.02	
For 15 To 29 Panels, Deduct	-178.05	
For 30 To 59 Panels, Deduct	-228.62	
For 60 To 99 Panels, Deduct	-297.00	
For 100 To 199 Panels, Deduct	-365.38	
For 200+ Panels, Deduct	-415.95	
09 78 23 00-0034 EA 3/4" Thick, Group D, 4' x 8' Varia Ecoresin Panel.....	3,168.58	247.41
For 6 To 14 Panels, Deduct	-127.50	
For 15 To 29 Panels, Deduct	-255.01	
For 30 To 59 Panels, Deduct	-321.47	
For 60 To 99 Panels, Deduct	-413.44	
For 100 To 199 Panels, Deduct	-505.40	
For 200+ Panels, Deduct	-571.87	
09 78 23 00-0035 EA 1" Thick, Group D, 4' x 8' Varia Ecoresin Panel.....	3,829.99	255.38
For 6 To 14 Panels, Deduct	-159.58	
For 15 To 29 Panels, Deduct	-319.15	
For 30 To 59 Panels, Deduct	-398.95	
For 60 To 99 Panels, Deduct	-510.65	
For 100 To 199 Panels, Deduct	-622.36	
For 200+ Panels, Deduct	-702.15	
09 78 23 00-0036 EA 7/16" Thick, Remix, 4' x 8' Varia Ecoresin Panel.....	1,618.37	239.42
For 6 To 14 Panels, Deduct	-50.99	
For 15 To 29 Panels, Deduct	-101.98	
For 30 To 59 Panels, Deduct	-137.34	
For 60 To 99 Panels, Deduct	-182.90	
For 100 To 199 Panels, Deduct	-228.46	
For 200+ Panels, Deduct	-263.82	
09 78 23 00-0037 EA 1/4" Thick, Ithemba, 4' x 8' Varia Ecoresin Panel.....	2,172.90	223.47
For 6 To 14 Panels, Deduct	-80.71	
For 15 To 29 Panels, Deduct	-161.42	
For 30 To 59 Panels, Deduct	-207.68	
For 60 To 99 Panels, Deduct	-270.07	
For 100 To 199 Panels, Deduct	-332.46	
For 200+ Panels, Deduct	-378.71	
09 78 23 00-0038 EA 3/8" Thick, Ithemba, 4' x 8' Varia Ecoresin Panel.....	2,468.36	231.44
For 6 To 14 Panels, Deduct	-94.49	
For 15 To 29 Panels, Deduct	-188.98	
For 30 To 59 Panels, Deduct	-241.24	
For 60 To 99 Panels, Deduct	-312.39	
For 100 To 199 Panels, Deduct	-383.55	
For 200+ Panels, Deduct	-435.81	



	<b>Finishes</b>	<b>09</b>
	<b>Wall Finishes</b>	<b>09 70</b>
	<b>Interior Wall Paneling</b>	<b>09 78</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0039 EA 1/2" Thick, Ithemba, 4' x 8' Varia Ecoresin Panel.....	2,729.96	239.42
For 6 To 14 Panels, Deduct	-106.57	
For 15 To 29 Panels, Deduct	-213.14	
For 30 To 59 Panels, Deduct	-270.73	
For 60 To 99 Panels, Deduct	-349.64	
For 100 To 199 Panels, Deduct	-428.55	
For 200+ Panels, Deduct	-486.14	
09 78 23 00-0040 EA 1" Thick, Riverrock, 4' x 8' Varia Ecoresin Panel .....	4,119.07	255.38
For 6 To 14 Panels, Deduct	-174.03	
For 15 To 29 Panels, Deduct	-348.06	
For 30 To 59 Panels, Deduct	-433.63	
For 60 To 99 Panels, Deduct	-554.01	
For 100 To 199 Panels, Deduct	-674.39	
For 200+ Panels, Deduct	-759.97	
09 78 23 00-0041 EA 3/8" Thick, Strata, 4' x 8' Varia Ecoresin Panel.....	2,386.02	231.44
For 6 To 14 Panels, Deduct	-90.37	
For 15 To 29 Panels, Deduct	-180.74	
For 30 To 59 Panels, Deduct	-231.35	
For 60 To 99 Panels, Deduct	-300.04	
For 100 To 199 Panels, Deduct	-368.73	
For 200+ Panels, Deduct	-419.34	
09 78 23 00-0042 EA 3/8" Thick, Timber, 4' x 8' Varia Ecoresin Panel .....	2,477.21	231.44
For 6 To 14 Panels, Deduct	-94.93	
For 15 To 29 Panels, Deduct	-189.86	
For 30 To 59 Panels, Deduct	-242.30	
For 60 To 99 Panels, Deduct	-313.72	
For 100 To 199 Panels, Deduct	-385.14	
For 200+ Panels, Deduct	-437.58	
09 78 23 00-0043 EA 1/8" Thick, Rosewood, 4' x 8' Varia Ecoresin Panel.....	2,012.93	207.50
For 6 To 14 Panels, Deduct	-74.71	
For 15 To 29 Panels, Deduct	-149.42	
For 30 To 59 Panels, Deduct	-192.27	
For 60 To 99 Panels, Deduct	-250.06	
For 100 To 199 Panels, Deduct	-307.86	
For 200+ Panels, Deduct	-350.71	
09 78 23 00-0044 EA 3/16" Thick, Rosewood, 4' x 8' Varia Ecoresin Panel.....	2,104.85	215.48
For 6 To 14 Panels, Deduct	-78.31	
For 15 To 29 Panels, Deduct	-156.61	
For 30 To 59 Panels, Deduct	-201.40	
For 60 To 99 Panels, Deduct	-261.86	
For 100 To 199 Panels, Deduct	-322.31	
For 200+ Panels, Deduct	-367.10	
09 78 23 00-0045 EA 1/4" Thick, Rosewood, 4' x 8' Varia Ecoresin Panel.....	2,192.52	223.47
For 6 To 14 Panels, Deduct	-81.69	
For 15 To 29 Panels, Deduct	-163.39	
For 30 To 59 Panels, Deduct	-210.03	
For 60 To 99 Panels, Deduct	-273.01	
For 100 To 199 Panels, Deduct	-335.99	
For 200+ Panels, Deduct	-382.64	
09 78 23 00-0046 EA 3/8" Thick, Rosewood, 4' x 8' Varia Ecoresin Panel.....	2,354.08	231.44
For 6 To 14 Panels, Deduct	-88.77	
For 15 To 29 Panels, Deduct	-177.55	
For 30 To 59 Panels, Deduct	-227.52	
For 60 To 99 Panels, Deduct	-295.25	
For 100 To 199 Panels, Deduct	-362.98	
For 200+ Panels, Deduct	-412.96	
09 78 23 00-0047 EA 1/2" Thick, Rosewood, 4' x 8' Varia Ecoresin Panel.....	2,516.78	239.42
For 6 To 14 Panels, Deduct	-95.91	
For 15 To 29 Panels, Deduct	-191.82	
For 30 To 59 Panels, Deduct	-245.15	
For 60 To 99 Panels, Deduct	-317.66	
For 100 To 199 Panels, Deduct	-390.17	
For 200+ Panels, Deduct	-443.50	
09 78 23 00-0048 EA 3/4" Thick, Rosewood, 4' x 8' Varia Ecoresin Panel.....	3,372.14	247.41
For 6 To 14 Panels, Deduct	-137.68	
For 15 To 29 Panels, Deduct	-275.36	
For 30 To 59 Panels, Deduct	-345.90	
For 60 To 99 Panels, Deduct	-443.97	
For 100 To 199 Panels, Deduct	-542.04	
For 200+ Panels, Deduct	-612.58	
09 78 23 00-0049 EA 1" Thick, Rosewood, 4' x 8' Varia Ecoresin Panel.....	3,880.78	255.38
For 6 To 14 Panels, Deduct	-162.12	
For 15 To 29 Panels, Deduct	-324.23	
For 30 To 59 Panels, Deduct	-405.04	
For 60 To 99 Panels, Deduct	-518.27	
For 100 To 199 Panels, Deduct	-631.50	
For 200+ Panels, Deduct	-712.31	
09 78 23 00-0050 EA 1/8" Thick, Walnut Solid, 4' x 8' Varia Ecoresin Panel .....	1,904.80	207.50
For 6 To 14 Panels, Deduct	-69.30	
For 15 To 29 Panels, Deduct	-138.61	
For 30 To 59 Panels, Deduct	-179.29	
For 60 To 99 Panels, Deduct	-233.85	
For 100 To 199 Panels, Deduct	-288.40	
For 200+ Panels, Deduct	-329.09	

**09 Finishes**

**09 70 Wall Finishes**

**09 78 Interior Wall Paneling**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0051	EA		3/16" Thick, Walnut Solid, 4' x 8' Varia Ecoresin Panel.....	1,996.72	215.48
			<i>For 6 To 14 Panels, Deduct</i>	-72.90	
			<i>For 15 To 29 Panels, Deduct</i>	-145.80	
			<i>For 30 To 59 Panels, Deduct</i>	-188.43	
			<i>For 60 To 99 Panels, Deduct</i>	-245.64	
			<i>For 100 To 199 Panels, Deduct</i>	-302.85	
			<i>For 200+ Panels, Deduct</i>	-345.47	
09 78 23 00-0052	EA		1/4" Thick, Walnut Solid, 4' x 8' Varia Ecoresin Panel.....	2,084.78	223.47
			<i>For 6 To 14 Panels, Deduct</i>	-76.31	
			<i>For 15 To 29 Panels, Deduct</i>	-152.61	
			<i>For 30 To 59 Panels, Deduct</i>	-197.10	
			<i>For 60 To 99 Panels, Deduct</i>	-256.85	
			<i>For 100 To 199 Panels, Deduct</i>	-316.60	
			<i>For 200+ Panels, Deduct</i>	-361.09	
09 78 23 00-0053	EA		3/8" Thick, Walnut Solid, 4' x 8' Varia Ecoresin Panel.....	2,246.33	231.44
			<i>For 6 To 14 Panels, Deduct</i>	-83.39	
			<i>For 15 To 29 Panels, Deduct</i>	-166.77	
			<i>For 30 To 59 Panels, Deduct</i>	-214.59	
			<i>For 60 To 99 Panels, Deduct</i>	-279.09	
			<i>For 100 To 199 Panels, Deduct</i>	-343.59	
			<i>For 200+ Panels, Deduct</i>	-391.41	
09 78 23 00-0054	EA		1/2" Thick, Walnut Solid, 4' x 8' Varia Ecoresin Panel.....	2,409.03	239.42
			<i>For 6 To 14 Panels, Deduct</i>	-90.52	
			<i>For 15 To 29 Panels, Deduct</i>	-181.05	
			<i>For 30 To 59 Panels, Deduct</i>	-232.22	
			<i>For 60 To 99 Panels, Deduct</i>	-301.50	
			<i>For 100 To 199 Panels, Deduct</i>	-370.78	
			<i>For 200+ Panels, Deduct</i>	-421.95	
09 78 23 00-0055	EA		3/4" Thick, Walnut Solid, 4' x 8' Varia Ecoresin Panel.....	3,237.07	247.41
			<i>For 6 To 14 Panels, Deduct</i>	-130.93	
			<i>For 15 To 29 Panels, Deduct</i>	-261.86	
			<i>For 30 To 59 Panels, Deduct</i>	-329.69	
			<i>For 60 To 99 Panels, Deduct</i>	-423.71	
			<i>For 100 To 199 Panels, Deduct</i>	-517.73	
			<i>For 200+ Panels, Deduct</i>	-585.56	
09 78 23 00-0056	EA		1" Thick, Walnut Solid, 4' x 8' Varia Ecoresin Panel .....	3,741.10	255.38
			<i>For 6 To 14 Panels, Deduct</i>	-155.13	
			<i>For 15 To 29 Panels, Deduct</i>	-310.26	
			<i>For 30 To 59 Panels, Deduct</i>	-388.28	
			<i>For 60 To 99 Panels, Deduct</i>	-497.32	
			<i>For 100 To 199 Panels, Deduct</i>	-606.36	
			<i>For 200+ Panels, Deduct</i>	-684.37	
09 78 23 00-0057	EA		1/8" Thick, White Oak, 4' x 8' Varia Ecoresin Panel.....	1,904.80	207.50
			<i>For 6 To 14 Panels, Deduct</i>	-69.30	
			<i>For 15 To 29 Panels, Deduct</i>	-138.61	
			<i>For 30 To 59 Panels, Deduct</i>	-179.29	
			<i>For 60 To 99 Panels, Deduct</i>	-233.85	
			<i>For 100 To 199 Panels, Deduct</i>	-288.40	
			<i>For 200+ Panels, Deduct</i>	-329.09	
09 78 23 00-0058	EA		3/16" Thick, White Oak, 4' x 8' Varia Ecoresin Panel.....	1,996.72	215.48
			<i>For 6 To 14 Panels, Deduct</i>	-72.90	
			<i>For 15 To 29 Panels, Deduct</i>	-145.80	
			<i>For 30 To 59 Panels, Deduct</i>	-188.43	
			<i>For 60 To 99 Panels, Deduct</i>	-245.64	
			<i>For 100 To 199 Panels, Deduct</i>	-302.85	
			<i>For 200+ Panels, Deduct</i>	-345.47	
09 78 23 00-0059	EA		1/4" Thick, White Oak, 4' x 8' Varia Ecoresin Panel .....	2,084.78	223.47
			<i>For 6 To 14 Panels, Deduct</i>	-76.31	
			<i>For 15 To 29 Panels, Deduct</i>	-152.61	
			<i>For 30 To 59 Panels, Deduct</i>	-197.10	
			<i>For 60 To 99 Panels, Deduct</i>	-256.85	
			<i>For 100 To 199 Panels, Deduct</i>	-316.60	
			<i>For 200+ Panels, Deduct</i>	-361.09	
09 78 23 00-0060	EA		3/8" Thick, White Oak, 4' x 8' Varia Ecoresin Panel .....	2,246.33	231.44
			<i>For 6 To 14 Panels, Deduct</i>	-83.39	
			<i>For 15 To 29 Panels, Deduct</i>	-166.77	
			<i>For 30 To 59 Panels, Deduct</i>	-214.59	
			<i>For 60 To 99 Panels, Deduct</i>	-279.09	
			<i>For 100 To 199 Panels, Deduct</i>	-343.59	
			<i>For 200+ Panels, Deduct</i>	-391.41	
09 78 23 00-0061	EA		1/2" Thick, White Oak, 4' x 8' Varia Ecoresin Panel .....	2,409.03	239.42
			<i>For 6 To 14 Panels, Deduct</i>	-90.52	
			<i>For 15 To 29 Panels, Deduct</i>	-181.05	
			<i>For 30 To 59 Panels, Deduct</i>	-232.22	
			<i>For 60 To 99 Panels, Deduct</i>	-301.50	
			<i>For 100 To 199 Panels, Deduct</i>	-370.78	
			<i>For 200+ Panels, Deduct</i>	-421.95	
09 78 23 00-0062	EA		3/4" Thick, White Oak, 4' x 8' Varia Ecoresin Panel.....	3,237.07	247.41
			<i>For 6 To 14 Panels, Deduct</i>	-130.93	
			<i>For 15 To 29 Panels, Deduct</i>	-261.86	
			<i>For 30 To 59 Panels, Deduct</i>	-329.69	
			<i>For 60 To 99 Panels, Deduct</i>	-423.71	
			<i>For 100 To 199 Panels, Deduct</i>	-517.73	
			<i>For 200+ Panels, Deduct</i>	-585.56	



<b>Finishes</b>	<b>09</b>	<b>09</b>
<b>Wall Finishes</b>	<b>09 70</b>	
<b>Interior Wall Paneling</b>	<b>09 78</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0063 EA 1" Thick, White Oak, 4' x 8' Varia Ecoresin Panel.....	3,741.10	255.38
For 6 To 14 Panels, Deduct	-155.13	
For 15 To 29 Panels, Deduct	-310.26	
For 30 To 59 Panels, Deduct	-388.28	
For 60 To 99 Panels, Deduct	-497.32	
For 100 To 199 Panels, Deduct	-606.36	
For 200+ Panels, Deduct	-684.37	
09 78 23 00-0064 EA 1/8" Thick, Zebrano Chevron, 4' x 8' Varia Ecoresin Panel.....	2,470.84	207.50
For 6 To 14 Panels, Deduct	-97.60	
For 15 To 29 Panels, Deduct	-195.21	
For 30 To 59 Panels, Deduct	-247.22	
For 60 To 99 Panels, Deduct	-318.75	
For 100 To 199 Panels, Deduct	-390.28	
For 200+ Panels, Deduct	-442.29	
09 78 23 00-0065 EA 3/16" Thick, Zebrano Chevron, 4' x 8' Varia Ecoresin Panel.....	2,562.37	215.48
For 6 To 14 Panels, Deduct	-101.18	
For 15 To 29 Panels, Deduct	-202.37	
For 30 To 59 Panels, Deduct	-256.31	
For 60 To 99 Panels, Deduct	-330.48	
For 100 To 199 Panels, Deduct	-404.66	
For 200+ Panels, Deduct	-458.60	
09 78 23 00-0066 EA 1/4" Thick, Zebrano Chevron, 4' x 8' Varia Ecoresin Panel.....	2,650.05	223.47
For 6 To 14 Panels, Deduct	-104.57	
For 15 To 29 Panels, Deduct	-209.14	
For 30 To 59 Panels, Deduct	-264.93	
For 60 To 99 Panels, Deduct	-341.64	
For 100 To 199 Panels, Deduct	-418.35	
For 200+ Panels, Deduct	-474.14	
09 78 23 00-0067 EA 3/8" Thick, Zebrano Chevron, 4' x 8' Varia Ecoresin Panel.....	2,812.37	231.44
For 6 To 14 Panels, Deduct	-111.69	
For 15 To 29 Panels, Deduct	-223.38	
For 30 To 59 Panels, Deduct	-282.52	
For 60 To 99 Panels, Deduct	-363.99	
For 100 To 199 Panels, Deduct	-445.47	
For 200+ Panels, Deduct	-504.61	
09 78 23 00-0068 EA 1/2" Thick, Zebrano Chevron, 4' x 8' Varia Ecoresin Panel.....	2,974.69	239.42
For 6 To 14 Panels, Deduct	-118.81	
For 15 To 29 Panels, Deduct	-237.61	
For 30 To 59 Panels, Deduct	-300.10	
For 60 To 99 Panels, Deduct	-386.35	
For 100 To 199 Panels, Deduct	-472.60	
For 200+ Panels, Deduct	-535.08	
09 78 23 00-0069 EA 3/4" Thick, Zebrano Chevron, 4' x 8' Varia Ecoresin Panel.....	3,943.95	247.41
For 6 To 14 Panels, Deduct	-166.27	
For 15 To 29 Panels, Deduct	-332.54	
For 30 To 59 Panels, Deduct	-414.52	
For 60 To 99 Panels, Deduct	-529.74	
For 100 To 199 Panels, Deduct	-644.97	
For 200+ Panels, Deduct	-726.94	
09 78 23 00-0070 EA 1" Thick, Zebrano Chevron, 4' x 8' Varia Ecoresin Panel.....	4,476.07	255.38
For 6 To 14 Panels, Deduct	-191.88	
For 15 To 29 Panels, Deduct	-383.76	
For 30 To 59 Panels, Deduct	-476.47	
For 60 To 99 Panels, Deduct	-607.56	
For 100 To 199 Panels, Deduct	-738.65	
For 200+ Panels, Deduct	-831.37	
09 78 23 00-0071 EA 1/8" Thick, Non-Embossed Dichroic, 4' x 8' Varia Ecoresin Panel.....	1,645.83	207.50
For 6 To 14 Panels, Deduct	-56.35	
For 15 To 29 Panels, Deduct	-112.71	
For 30 To 59 Panels, Deduct	-148.22	
For 60 To 99 Panels, Deduct	-195.00	
For 100 To 199 Panels, Deduct	-241.78	
For 200+ Panels, Deduct	-277.29	
09 78 23 00-0072 EA 3/16" Thick, Non-Embossed Dichroic, 4' x 8' Varia Ecoresin Panel.....	1,738.52	215.48
For 6 To 14 Panels, Deduct	-59.99	
For 15 To 29 Panels, Deduct	-119.98	
For 30 To 59 Panels, Deduct	-157.44	
For 60 To 99 Panels, Deduct	-206.91	
For 100 To 199 Panels, Deduct	-256.37	
For 200+ Panels, Deduct	-293.83	
09 78 23 00-0073 EA 1/4" Thick, Non-Embossed Dichroic, 4' x 8' Varia Ecoresin Panel.....	1,825.81	223.47
For 6 To 14 Panels, Deduct	-63.36	
For 15 To 29 Panels, Deduct	-126.72	
For 30 To 59 Panels, Deduct	-166.02	
For 60 To 99 Panels, Deduct	-218.01	
For 100 To 199 Panels, Deduct	-269.99	
For 200+ Panels, Deduct	-309.30	
09 78 23 00-0074 EA 3/8" Thick, Non-Embossed Dichroic, 4' x 8' Varia Ecoresin Panel.....	1,988.13	231.44
For 6 To 14 Panels, Deduct	-70.48	
For 15 To 29 Panels, Deduct	-140.95	
For 30 To 59 Panels, Deduct	-183.61	
For 60 To 99 Panels, Deduct	-240.36	
For 100 To 199 Panels, Deduct	-297.11	
For 200+ Panels, Deduct	-339.77	



**09 Finishes**

**09 70 Wall Finishes**

**09 78 Interior Wall Paneling**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0075	EA	1/2"	Thick, Non-Embossed Dichroic, 4' x 8' Varia Ecoresin Panel.....	2,457.81	239.42
			<i>For 6 To 14 Panels, Deduct</i>	-92.96	
			<i>For 15 To 29 Panels, Deduct</i>	-185.93	
			<i>For 30 To 59 Panels, Deduct</i>	-238.07	
			<i>For 60 To 99 Panels, Deduct</i>	-308.82	
			<i>For 100 To 199 Panels, Deduct</i>	-379.56	
			<i>For 200+ Panels, Deduct</i>	-431.71	
09 78 23 00-0076	EA	3/4"	Thick, Non-Embossed Dichroic, 4' x 8' Varia Ecoresin Panel.....	3,189.36	247.41
			<i>For 6 To 14 Panels, Deduct</i>	-128.54	
			<i>For 15 To 29 Panels, Deduct</i>	-257.09	
			<i>For 30 To 59 Panels, Deduct</i>	-323.96	
			<i>For 60 To 99 Panels, Deduct</i>	-416.55	
			<i>For 100 To 199 Panels, Deduct</i>	-509.14	
			<i>For 200+ Panels, Deduct</i>	-576.02	
09 78 23 00-0077	EA	1"	Thick, Non-Embossed Dichroic, 4' x 8' Varia Ecoresin Panel.....	3,829.99	255.38
			<i>For 6 To 14 Panels, Deduct</i>	-159.58	
			<i>For 15 To 29 Panels, Deduct</i>	-319.15	
			<i>For 30 To 59 Panels, Deduct</i>	-398.95	
			<i>For 60 To 99 Panels, Deduct</i>	-510.65	
			<i>For 100 To 199 Panels, Deduct</i>	-622.36	
			<i>For 200+ Panels, Deduct</i>	-702.15	
09 78 23 00-0078	EA	3/8"	Thick, Texture Dichroic, 4' x 8' Varia Ecoresin Panel.....	3,753.40	231.44
			<i>For 6 To 14 Panels, Deduct</i>	-158.74	
			<i>For 15 To 29 Panels, Deduct</i>	-317.48	
			<i>For 30 To 59 Panels, Deduct</i>	-395.44	
			<i>For 60 To 99 Panels, Deduct</i>	-505.15	
			<i>For 100 To 199 Panels, Deduct</i>	-614.86	
			<i>For 200+ Panels, Deduct</i>	-692.82	
09 78 23 00-0079	EA	1/2"	Thick, Texture Dichroic, 4' x 8' Varia Ecoresin Panel.....	3,731.21	239.42
			<i>For 6 To 14 Panels, Deduct</i>	-156.63	
			<i>For 15 To 29 Panels, Deduct</i>	-313.27	
			<i>For 30 To 59 Panels, Deduct</i>	-390.88	
			<i>For 60 To 99 Panels, Deduct</i>	-499.83	
			<i>For 100 To 199 Panels, Deduct</i>	-608.77	
			<i>For 200+ Panels, Deduct</i>	-686.39	
09 78 23 00-0080	EA	3/4"	Thick, Texture Dichroic, 4' x 8' Varia Ecoresin Panel.....	4,185.99	247.41
			<i>For 6 To 14 Panels, Deduct</i>	-178.37	
			<i>For 15 To 29 Panels, Deduct</i>	-356.75	
			<i>For 30 To 59 Panels, Deduct</i>	-443.56	
			<i>For 60 To 99 Panels, Deduct</i>	-566.05	
			<i>For 100 To 199 Panels, Deduct</i>	-688.53	
			<i>For 200+ Panels, Deduct</i>	-775.35	
09 78 23 00-0081	EA	1"	Thick, Texture Dichroic, 4' x 8' Varia Ecoresin Panel.....	4,641.15	255.38
			<i>For 6 To 14 Panels, Deduct</i>	-200.13	
			<i>For 15 To 29 Panels, Deduct</i>	-400.27	
			<i>For 30 To 59 Panels, Deduct</i>	-496.28	
			<i>For 60 To 99 Panels, Deduct</i>	-632.33	
			<i>For 100 To 199 Panels, Deduct</i>	-768.37	
			<i>For 200+ Panels, Deduct</i>	-864.38	
09 78 23 00-0082	EA	3/8"	Thick, Dichroic Iced, 4' x 8' Varia Ecoresin Panel.....	3,661.80	231.44
			<i>For 6 To 14 Panels, Deduct</i>	-154.16	
			<i>For 15 To 29 Panels, Deduct</i>	-308.32	
			<i>For 30 To 59 Panels, Deduct</i>	-384.45	
			<i>For 60 To 99 Panels, Deduct</i>	-491.41	
			<i>For 100 To 199 Panels, Deduct</i>	-598.37	
			<i>For 200+ Panels, Deduct</i>	-674.50	
09 78 23 00-0083	EA	1/2"	Thick, Dichroic Iced, 4' x 8' Varia Ecoresin Panel.....	3,856.05	239.42
			<i>For 6 To 14 Panels, Deduct</i>	-162.88	
			<i>For 15 To 29 Panels, Deduct</i>	-325.75	
			<i>For 30 To 59 Panels, Deduct</i>	-405.86	
			<i>For 60 To 99 Panels, Deduct</i>	-518.55	
			<i>For 100 To 199 Panels, Deduct</i>	-631.24	
			<i>For 200+ Panels, Deduct</i>	-711.36	
09 78 23 00-0084	EA	3/4"	Thick, Dichroic Iced, 4' x 8' Varia Ecoresin Panel.....	4,310.83	247.41
			<i>For 6 To 14 Panels, Deduct</i>	-184.62	
			<i>For 15 To 29 Panels, Deduct</i>	-369.23	
			<i>For 30 To 59 Panels, Deduct</i>	-458.54	
			<i>For 60 To 99 Panels, Deduct</i>	-584.77	
			<i>For 100 To 199 Panels, Deduct</i>	-711.01	
			<i>For 200+ Panels, Deduct</i>	-800.32	
09 78 23 00-0085	EA	1"	Thick, Dichroic Iced, 4' x 8' Varia Ecoresin Panel.....	4,765.99	255.38
			<i>For 6 To 14 Panels, Deduct</i>	-206.38	
			<i>For 15 To 29 Panels, Deduct</i>	-412.75	
			<i>For 30 To 59 Panels, Deduct</i>	-511.27	
			<i>For 60 To 99 Panels, Deduct</i>	-651.05	
			<i>For 100 To 199 Panels, Deduct</i>	-790.84	
			<i>For 200+ Panels, Deduct</i>	-889.35	
09 78 23 00-0086			<b>4' x 8' Varia Ecoresin Options (09 78 23 00-0002)</b>		
09 78 23 00-0087	EA		Varia Ecoresin XT (UV Protection) For 4' x 8' Panels, Both Sides.....	143.06	
			Note: 1/8" is the minimum gauge when using UV		
09 78 23 00-0088	EA		Premium Colors For 4' x 8' Panels, Per Layer.....	149.55	
			Note: Includes Pure Copper, Pure Gold, Pure Silver, Spun Gold, Spun Silver		
09 78 23 00-0089	EA		Vision Plus Finish For 4' x 8' Panels, Per Side.....	327.73	



<b>Finishes</b>	<b>09</b>	<b>2</b>
Wall Finishes	09 70	
Interior Wall Paneling	09 78	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0090	EA		Premium Finish For 4' x 8' Panels, Per Side.....	163.86	
			Note: Includes Liquid/Applied Finishes, Markerboard/Patina Plus, SFX Frost		
09 78 23 00-0091	EA		Adding Woven/C3 To Non-Organic/Non-Play For 4' x 8' Panels, Per Additional Layer .....	45.51	
09 78 23 00-0092	EA		Adding Woven/C3 To Organic/Play For 4' x 8' Panels, Per Additional Layer.....	156.06	
09 78 23 00-0093	EA		Adding 4th Or 5th Layer Of C3 For 4' x 8' Panels.....	130.05	
			Note: pays for both 4th and 5th layer		
09 78 23 00-0094	SF		C3 Centered For 4' x 8' Panels, Additional Per SF .....	1.89	
			Note: Add to Price Group B, only 1/2" and below		
09 78 23 00-0095	EA		Custom Screen Prints One Time Set Up Charge For 4' x 8' Panels .....	975.38	
			Note: Per color/pattern - add Price Group B for each sheet		
09 78 23 00-0096	SF		HighRes Imagery Or Graphic Mirror 1 To 5 sheets For 4' x 8' Panels, Additional Per SF.....	28.05	
09 78 23 00-0097	SF		HighRes Imagery Or Graphic Mirror >5 to 14 Sheets For 4' x 8' Panels, Additional Per SF .....	27.56	
09 78 23 00-0098	SF		HighRes Imagery or Graphic Mirror >14 Sheets For 4' x 8' Panels, Additional Per SF .....	26.90	
09 78 23 00-0099	EA		Custom Color Fossil Leaf For 4' x 8' Panels, Additional Per Sheet.....	60.12	
			Note: Adds additional 3 weeks to lead time		
<b>09 78 23 00-0100</b>			<b>4' x 10' Varia Ecoresin Panels And Accessories (09 78 23 00-0001)</b>		
<b>09 78 23 00-0101</b>			<b>4' x 10' Varia Ecoresin Panels (09 78 23 00-0100)</b>		
09 78 23 00-0102	EA		1/16" Thick, Group A, 4' x 10' Varia Ecoresin Panel .....	1,052.91	199.51
			For 6 To 14 Panels, Deduct	-27.71	
			For 15 To 29 Panels, Deduct	-55.41	
			For 30 To 59 Panels, Deduct	-78.96	
			For 60 To 99 Panels, Deduct	-108.06	
			For 100 To 199 Panels, Deduct	-137.15	
			For 200+ Panels, Deduct	-160.70	
09 78 23 00-0103	EA		1/8" Thick, Group A, 4' x 10' Varia Ecoresin Panel .....	1,258.53	207.50
			For 6 To 14 Panels, Deduct	-36.99	
			For 15 To 29 Panels, Deduct	-73.98	
			For 30 To 59 Panels, Deduct	-101.74	
			For 60 To 99 Panels, Deduct	-136.90	
			For 100 To 199 Panels, Deduct	-172.07	
			For 200+ Panels, Deduct	-199.83	
09 78 23 00-0104	EA		3/16" Thick, Group A, 4' x 10' Varia Ecoresin Panel .....	1,464.63	215.48
			For 6 To 14 Panels, Deduct	-46.30	
			For 15 To 29 Panels, Deduct	-92.59	
			For 30 To 59 Panels, Deduct	-124.58	
			For 60 To 99 Panels, Deduct	-165.82	
			For 100 To 199 Panels, Deduct	-207.07	
			For 200+ Panels, Deduct	-239.06	
09 78 23 00-0105	EA		1/4" Thick, Group A, 4' x 10' Varia Ecoresin Panel .....	1,577.42	223.47
			For 6 To 14 Panels, Deduct	-50.94	
			For 15 To 29 Panels, Deduct	-101.88	
			For 30 To 59 Panels, Deduct	-136.22	
			For 60 To 99 Panels, Deduct	-180.75	
			For 100 To 199 Panels, Deduct	-225.28	
			For 200+ Panels, Deduct	-259.62	
09 78 23 00-0106	EA		3/8" Thick, Group A, 4' x 10' Varia Ecoresin Panel .....	2,021.13	231.44
			For 6 To 14 Panels, Deduct	-72.13	
			For 15 To 29 Panels, Deduct	-144.25	
			For 30 To 59 Panels, Deduct	-187.57	
			For 60 To 99 Panels, Deduct	-245.31	
			For 100 To 199 Panels, Deduct	-303.05	
			For 200+ Panels, Deduct	-346.37	
09 78 23 00-0107	EA		1/2" Thick, Group A, 4' x 10' Varia Ecoresin Panel .....	2,413.36	239.42
			For 6 To 14 Panels, Deduct	-90.74	
			For 15 To 29 Panels, Deduct	-181.48	
			For 30 To 59 Panels, Deduct	-232.74	
			For 60 To 99 Panels, Deduct	-302.15	
			For 100 To 199 Panels, Deduct	-371.56	
			For 200+ Panels, Deduct	-422.82	
09 78 23 00-0108	EA		3/4" Thick, Group A, 4' x 10' Varia Ecoresin Panel .....	3,643.04	247.41
			For 6 To 14 Panels, Deduct	-151.23	
			For 15 To 29 Panels, Deduct	-302.45	
			For 30 To 59 Panels, Deduct	-378.41	
			For 60 To 99 Panels, Deduct	-484.61	
			For 100 To 199 Panels, Deduct	-590.80	
			For 200+ Panels, Deduct	-666.76	
09 78 23 00-0109	EA		1" Thick, Group A, 4' x 10' Varia Ecoresin Panel .....	4,338.31	255.38
			For 6 To 14 Panels, Deduct	-184.99	
			For 15 To 29 Panels, Deduct	-369.99	
			For 30 To 59 Panels, Deduct	-459.94	
			For 60 To 99 Panels, Deduct	-586.90	
			For 100 To 199 Panels, Deduct	-713.86	
			For 200+ Panels, Deduct	-803.82	
09 78 23 00-0110	EA		1/16" Thick, Group B, 4' x 10' Varia Ecoresin Panel .....	1,218.38	199.51
			For 6 To 14 Panels, Deduct	-35.98	
			For 15 To 29 Panels, Deduct	-71.96	
			For 30 To 59 Panels, Deduct	-98.82	
			For 60 To 99 Panels, Deduct	-132.88	
			For 100 To 199 Panels, Deduct	-166.93	
			For 200+ Panels, Deduct	-193.80	

## 09 Finishes

## 09 70 Wall Finishes

## 09 78 Interior Wall Paneling



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0111	EA		1/8" Thick, Group B, 4' x 10' Varia Ecoresin Panel .....	1,418.70	207.50
			<i>For 6 To 14 Panels, Deduct</i>	-45.00	
			<i>For 15 To 29 Panels, Deduct</i>	-90.00	
			<i>For 30 To 59 Panels, Deduct</i>	-120.96	
			<i>For 60 To 99 Panels, Deduct</i>	-160.93	
			<i>For 100 To 199 Panels, Deduct</i>	-200.90	
			<i>For 200+ Panels, Deduct</i>	-231.87	
09 78 23 00-0112	EA		3/16" Thick, Group B, 4' x 10' Varia Ecoresin Panel .....	1,620.00	215.48
			<i>For 6 To 14 Panels, Deduct</i>	-54.06	
			<i>For 15 To 29 Panels, Deduct</i>	-108.13	
			<i>For 30 To 59 Panels, Deduct</i>	-143.22	
			<i>For 60 To 99 Panels, Deduct</i>	-189.13	
			<i>For 100 To 199 Panels, Deduct</i>	-235.04	
			<i>For 200+ Panels, Deduct</i>	-270.13	
09 78 23 00-0113	EA		1/4" Thick, Group B, 4' x 10' Varia Ecoresin Panel .....	1,780.40	223.47
			<i>For 6 To 14 Panels, Deduct</i>	-61.09	
			<i>For 15 To 29 Panels, Deduct</i>	-122.17	
			<i>For 30 To 59 Panels, Deduct</i>	-160.58	
			<i>For 60 To 99 Panels, Deduct</i>	-211.19	
			<i>For 100 To 199 Panels, Deduct</i>	-261.81	
			<i>For 200+ Panels, Deduct</i>	-300.21	
09 78 23 00-0114	EA		3/8" Thick, Group B, 4' x 10' Varia Ecoresin Panel .....	2,185.15	231.44
			<i>For 6 To 14 Panels, Deduct</i>	-80.33	
			<i>For 15 To 29 Panels, Deduct</i>	-160.65	
			<i>For 30 To 59 Panels, Deduct</i>	-207.25	
			<i>For 60 To 99 Panels, Deduct</i>	-269.91	
			<i>For 100 To 199 Panels, Deduct</i>	-332.57	
			<i>For 200+ Panels, Deduct</i>	-379.17	
09 78 23 00-0115	EA		1/2" Thick, Group B, 4' x 10' Varia Ecoresin Panel .....	2,634.62	239.42
			<i>For 6 To 14 Panels, Deduct</i>	-101.80	
			<i>For 15 To 29 Panels, Deduct</i>	-203.61	
			<i>For 30 To 59 Panels, Deduct</i>	-259.29	
			<i>For 60 To 99 Panels, Deduct</i>	-335.34	
			<i>For 100 To 199 Panels, Deduct</i>	-411.38	
			<i>For 200+ Panels, Deduct</i>	-467.07	
09 78 23 00-0116	EA		3/4" Thick, Group B, 4' x 10' Varia Ecoresin Panel .....	3,762.81	247.41
			<i>For 6 To 14 Panels, Deduct</i>	-157.22	
			<i>For 15 To 29 Panels, Deduct</i>	-314.43	
			<i>For 30 To 59 Panels, Deduct</i>	-392.78	
			<i>For 60 To 99 Panels, Deduct</i>	-502.57	
			<i>For 100 To 199 Panels, Deduct</i>	-612.36	
			<i>For 200+ Panels, Deduct</i>	-690.71	
09 78 23 00-0117	EA		1" Thick, Group B, 4' x 10' Varia Ecoresin Panel .....	4,484.54	255.38
			<i>For 6 To 14 Panels, Deduct</i>	-192.30	
			<i>For 15 To 29 Panels, Deduct</i>	-384.61	
			<i>For 30 To 59 Panels, Deduct</i>	-477.49	
			<i>For 60 To 99 Panels, Deduct</i>	-608.84	
			<i>For 100 To 199 Panels, Deduct</i>	-740.18	
			<i>For 200+ Panels, Deduct</i>	-833.06	
09 78 23 00-0118	EA		1/16" Thick, Group C, 4' x 10' Varia Ecoresin Panel .....	1,424.72	199.51
			<i>For 6 To 14 Panels, Deduct</i>	-46.30	
			<i>For 15 To 29 Panels, Deduct</i>	-92.59	
			<i>For 30 To 59 Panels, Deduct</i>	-123.58	
			<i>For 60 To 99 Panels, Deduct</i>	-163.83	
			<i>For 100 To 199 Panels, Deduct</i>	-204.08	
			<i>For 200+ Panels, Deduct</i>	-235.06	
09 78 23 00-0119	EA		1/8" Thick, Group C, 4' x 10' Varia Ecoresin Panel .....	1,682.77	207.50
			<i>For 6 To 14 Panels, Deduct</i>	-58.20	
			<i>For 15 To 29 Panels, Deduct</i>	-116.40	
			<i>For 30 To 59 Panels, Deduct</i>	-152.65	
			<i>For 60 To 99 Panels, Deduct</i>	-200.54	
			<i>For 100 To 199 Panels, Deduct</i>	-248.43	
			<i>For 200+ Panels, Deduct</i>	-284.68	
09 78 23 00-0120	EA		3/16" Thick, Group C, 4' x 10' Varia Ecoresin Panel .....	1,865.31	215.48
			<i>For 6 To 14 Panels, Deduct</i>	-66.33	
			<i>For 15 To 29 Panels, Deduct</i>	-132.66	
			<i>For 30 To 59 Panels, Deduct</i>	-172.66	
			<i>For 60 To 99 Panels, Deduct</i>	-225.93	
			<i>For 100 To 199 Panels, Deduct</i>	-279.19	
			<i>For 200+ Panels, Deduct</i>	-319.19	
09 78 23 00-0121	EA		1/4" Thick, Group C, 4' x 10' Varia Ecoresin Panel .....	2,024.75	223.47
			<i>For 6 To 14 Panels, Deduct</i>	-73.30	
			<i>For 15 To 29 Panels, Deduct</i>	-146.61	
			<i>For 30 To 59 Panels, Deduct</i>	-189.90	
			<i>For 60 To 99 Panels, Deduct</i>	-247.85	
			<i>For 100 To 199 Panels, Deduct</i>	-305.80	
			<i>For 200+ Panels, Deduct</i>	-349.08	
09 78 23 00-0122	EA		3/8" Thick, Group C, 4' x 10' Varia Ecoresin Panel .....	2,393.42	231.44
			<i>For 6 To 14 Panels, Deduct</i>	-90.74	
			<i>For 15 To 29 Panels, Deduct</i>	-181.48	
			<i>For 30 To 59 Panels, Deduct</i>	-232.24	
			<i>For 60 To 99 Panels, Deduct</i>	-301.15	
			<i>For 100 To 199 Panels, Deduct</i>	-370.06	
			<i>For 200+ Panels, Deduct</i>	-420.82	



	<b>Finishes</b>	<b>09</b>
	<b>Wall Finishes</b>	<b>09 70</b>
	<b>Interior Wall Paneling</b>	<b>09 78</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0123	EA	1/2"	Thick, Group C, 4' x 10' Varia Ecoresin Panel..... <i>For 6 To 14 Panels, Deduct</i> <i>For 15 To 29 Panels, Deduct</i> <i>For 30 To 59 Panels, Deduct</i> <i>For 60 To 99 Panels, Deduct</i> <i>For 100 To 199 Panels, Deduct</i> <i>For 200+ Panels, Deduct</i>	2,903.02 -115.22 -230.45 -291.50 -375.60 -459.70 -520.75	239.42
09 78 23 00-0124	EA	3/4"	Thick, Group C, 4' x 10' Varia Ecoresin Panel..... <i>For 6 To 14 Panels, Deduct</i> <i>For 15 To 29 Panels, Deduct</i> <i>For 30 To 59 Panels, Deduct</i> <i>For 60 To 99 Panels, Deduct</i> <i>For 100 To 199 Panels, Deduct</i> <i>For 200+ Panels, Deduct</i>	4,062.47 -172.20 -344.40 -428.74 -547.52 -666.30 -750.64	247.41
09 78 23 00-0125	EA	1"	Thick, Group C, 4' x 10' Varia Ecoresin Panel..... <i>For 6 To 14 Panels, Deduct</i> <i>For 15 To 29 Panels, Deduct</i> <i>For 30 To 59 Panels, Deduct</i> <i>For 60 To 99 Panels, Deduct</i> <i>For 100 To 199 Panels, Deduct</i> <i>For 200+ Panels, Deduct</i>	4,757.74 -205.96 -411.93 -510.28 -649.82 -789.35 -887.70	255.38
09 78 23 00-0126	EA	1/16"	Thick, Group D, 4' x 10' Varia Ecoresin Panel..... <i>For 6 To 14 Panels, Deduct</i> <i>For 15 To 29 Panels, Deduct</i> <i>For 30 To 59 Panels, Deduct</i> <i>For 60 To 99 Panels, Deduct</i> <i>For 100 To 199 Panels, Deduct</i> <i>For 200+ Panels, Deduct</i>	1,559.89 -53.05 -106.11 -139.80 -184.10 -228.41 -262.10	199.51
09 78 23 00-0127	EA	1/8"	Thick, Group D, 4' x 10' Varia Ecoresin Panel..... <i>For 6 To 14 Panels, Deduct</i> <i>For 15 To 29 Panels, Deduct</i> <i>For 30 To 59 Panels, Deduct</i> <i>For 60 To 99 Panels, Deduct</i> <i>For 100 To 199 Panels, Deduct</i> <i>For 200+ Panels, Deduct</i>	1,786.67 -63.40 -126.79 -165.12 -216.13 -267.13 -305.46	207.50
09 78 23 00-0128	EA	3/16"	Thick, Group D, 4' x 10' Varia Ecoresin Panel..... <i>For 6 To 14 Panels, Deduct</i> <i>For 15 To 29 Panels, Deduct</i> <i>For 30 To 59 Panels, Deduct</i> <i>For 60 To 99 Panels, Deduct</i> <i>For 100 To 199 Panels, Deduct</i> <i>For 200+ Panels, Deduct</i>	2,005.28 -73.33 -146.66 -189.46 -246.92 -304.39 -347.19	215.48
09 78 23 00-0129	EA	1/4"	Thick, Group D, 4' x 10' Varia Ecoresin Panel..... <i>For 6 To 14 Panels, Deduct</i> <i>For 15 To 29 Panels, Deduct</i> <i>For 30 To 59 Panels, Deduct</i> <i>For 60 To 99 Panels, Deduct</i> <i>For 100 To 199 Panels, Deduct</i> <i>For 200+ Panels, Deduct</i>	2,287.86 -86.46 -172.92 -221.47 -287.31 -353.16 -401.71	223.47
09 78 23 00-0130	EA	3/8"	Thick, Group D, 4' x 10' Varia Ecoresin Panel..... <i>For 6 To 14 Panels, Deduct</i> <i>For 15 To 29 Panels, Deduct</i> <i>For 30 To 59 Panels, Deduct</i> <i>For 60 To 99 Panels, Deduct</i> <i>For 100 To 199 Panels, Deduct</i> <i>For 200+ Panels, Deduct</i>	2,584.38 -100.29 -200.58 -255.16 -329.80 -404.43 -459.02	231.44
09 78 23 00-0131	EA	1/2"	Thick, Group D, 4' x 10' Varia Ecoresin Panel..... <i>For 6 To 14 Panels, Deduct</i> <i>For 15 To 29 Panels, Deduct</i> <i>For 30 To 59 Panels, Deduct</i> <i>For 60 To 99 Panels, Deduct</i> <i>For 100 To 199 Panels, Deduct</i> <i>For 200+ Panels, Deduct</i>	3,157.95 -127.97 -255.94 -322.09 -413.84 -505.58 -571.74	239.42
09 78 23 00-0132	EA	3/4"	Thick, Group D, 4' x 10' Varia Ecoresin Panel..... <i>For 6 To 14 Panels, Deduct</i> <i>For 15 To 29 Panels, Deduct</i> <i>For 30 To 59 Panels, Deduct</i> <i>For 60 To 99 Panels, Deduct</i> <i>For 100 To 199 Panels, Deduct</i> <i>For 200+ Panels, Deduct</i>	4,284.21 -183.29 -366.57 -455.35 -580.78 -706.21 -794.99	247.41
09 78 23 00-0133	EA	1"	Thick, Group D, 4' x 10' Varia Ecoresin Panel..... <i>For 6 To 14 Panels, Deduct</i> <i>For 15 To 29 Panels, Deduct</i> <i>For 30 To 59 Panels, Deduct</i> <i>For 60 To 99 Panels, Deduct</i> <i>For 100 To 199 Panels, Deduct</i> <i>For 200+ Panels, Deduct</i>	5,226.24 -229.39 -458.78 -566.50 -720.09 -873.68 -981.40	255.38
09 78 23 00-0134	EA	1/8"	Thick, Non-Embossed Dichroic, 4' x 10' Varia Ecoresin Panel..... <i>For 6 To 14 Panels, Deduct</i> <i>For 15 To 29 Panels, Deduct</i> <i>For 30 To 59 Panels, Deduct</i> <i>For 60 To 99 Panels, Deduct</i> <i>For 100 To 199 Panels, Deduct</i> <i>For 200+ Panels, Deduct</i>	2,138.76 -81.00 -162.00 -207.37 -268.94 -330.51 -375.88	207.50

## 09 Finishes

## 09 70 Wall Finishes

## 09 78 Interior Wall Paneling



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0135	EA		3/16" Thick, Non-Embossed Dichroic, 4' x 10' Varia Ecoresin Panel.....	2,263.58	215.48
			<i>For 6 To 14 Panels, Deduct</i>	-86.24	
			<i>For 15 To 29 Panels, Deduct</i>	-172.49	
			<i>For 30 To 59 Panels, Deduct</i>	-220.45	
			<i>For 60 To 99 Panels, Deduct</i>	-285.67	
			<i>For 100 To 199 Panels, Deduct</i>	-350.88	
			<i>For 200+ Panels, Deduct</i>	-398.85	
09 78 23 00-0136	EA		1/4" Thick, Non-Embossed Dichroic, 4' x 10' Varia Ecoresin Panel.....	2,380.21	223.47
			<i>For 6 To 14 Panels, Deduct</i>	-91.08	
			<i>For 15 To 29 Panels, Deduct</i>	-182.16	
			<i>For 30 To 59 Panels, Deduct</i>	-232.55	
			<i>For 60 To 99 Panels, Deduct</i>	-301.17	
			<i>For 100 To 199 Panels, Deduct</i>	-369.78	
			<i>For 200+ Panels, Deduct</i>	-420.18	
09 78 23 00-0137	EA		3/8" Thick, Non-Embossed Dichroic, 4' x 10' Varia Ecoresin Panel.....	2,604.58	231.44
			<i>For 6 To 14 Panels, Deduct</i>	-101.30	
			<i>For 15 To 29 Panels, Deduct</i>	-202.60	
			<i>For 30 To 59 Panels, Deduct</i>	-257.58	
			<i>For 60 To 99 Panels, Deduct</i>	-332.83	
			<i>For 100 To 199 Panels, Deduct</i>	-408.07	
			<i>For 200+ Panels, Deduct</i>	-463.06	
09 78 23 00-0138	EA		1/2" Thick, Non-Embossed Dichroic, 4' x 10' Varia Ecoresin Panel.....	3,274.83	239.42
			<i>For 6 To 14 Panels, Deduct</i>	-133.81	
			<i>For 15 To 29 Panels, Deduct</i>	-267.63	
			<i>For 30 To 59 Panels, Deduct</i>	-336.12	
			<i>For 60 To 99 Panels, Deduct</i>	-431.37	
			<i>For 100 To 199 Panels, Deduct</i>	-526.62	
			<i>For 200+ Panels, Deduct</i>	-595.11	
09 78 23 00-0139	EA		3/4" Thick, Non-Embossed Dichroic, 4' x 10' Varia Ecoresin Panel.....	4,314.03	247.41
			<i>For 6 To 14 Panels, Deduct</i>	-184.78	
			<i>For 15 To 29 Panels, Deduct</i>	-369.55	
			<i>For 30 To 59 Panels, Deduct</i>	-458.93	
			<i>For 60 To 99 Panels, Deduct</i>	-585.25	
			<i>For 100 To 199 Panels, Deduct</i>	-711.58	
			<i>For 200+ Panels, Deduct</i>	-800.96	
09 78 23 00-0140	EA		1" Thick, Non-Embossed Dichroic, 4' x 10' Varia Ecoresin Panel.....	5,226.24	255.38
			<i>For 6 To 14 Panels, Deduct</i>	-229.39	
			<i>For 15 To 29 Panels, Deduct</i>	-458.78	
			<i>For 30 To 59 Panels, Deduct</i>	-566.50	
			<i>For 60 To 99 Panels, Deduct</i>	-720.09	
			<i>For 100 To 199 Panels, Deduct</i>	-873.68	
			<i>For 200+ Panels, Deduct</i>	-981.40	
09 78 23 00-0141	EA		3/8" Thick, Texture Dichroic, 4' x 10' Varia Ecoresin Panel.....	4,831.13	231.44
			<i>For 6 To 14 Panels, Deduct</i>	-212.63	
			<i>For 15 To 29 Panels, Deduct</i>	-425.25	
			<i>For 30 To 59 Panels, Deduct</i>	-524.77	
			<i>For 60 To 99 Panels, Deduct</i>	-666.81	
			<i>For 100 To 199 Panels, Deduct</i>	-808.85	
			<i>For 200+ Panels, Deduct</i>	-908.37	
09 78 23 00-0142	EA		1/2" Thick, Texture Dichroic, 4' x 10' Varia Ecoresin Panel.....	5,101.67	239.42
			<i>For 6 To 14 Panels, Deduct</i>	-225.16	
			<i>For 15 To 29 Panels, Deduct</i>	-450.31	
			<i>For 30 To 59 Panels, Deduct</i>	-555.34	
			<i>For 60 To 99 Panels, Deduct</i>	-705.40	
			<i>For 100 To 199 Panels, Deduct</i>	-855.45	
			<i>For 200+ Panels, Deduct</i>	-960.48	
09 78 23 00-0143	EA		3/4" Thick, Texture Dichroic, 4' x 10' Varia Ecoresin Panel.....	5,746.93	247.41
			<i>For 6 To 14 Panels, Deduct</i>	-256.42	
			<i>For 15 To 29 Panels, Deduct</i>	-512.84	
			<i>For 30 To 59 Panels, Deduct</i>	-630.87	
			<i>For 60 To 99 Panels, Deduct</i>	-800.19	
			<i>For 100 To 199 Panels, Deduct</i>	-969.50	
			<i>For 200+ Panels, Deduct</i>	-1,087.54	
09 78 23 00-0144	EA		1" Thick, Texture Dichroic, 4' x 10' Varia Ecoresin Panel.....	6,392.18	255.38
			<i>For 6 To 14 Panels, Deduct</i>	-287.69	
			<i>For 15 To 29 Panels, Deduct</i>	-575.37	
			<i>For 30 To 59 Panels, Deduct</i>	-706.41	
			<i>For 60 To 99 Panels, Deduct</i>	-894.98	
			<i>For 100 To 199 Panels, Deduct</i>	-1,083.55	
			<i>For 200+ Panels, Deduct</i>	-1,214.59	
09 78 23 00-0145	EA		3/8" Thick, Dichroic Iced, 4' x 10' Varia Ecoresin Panel.....	5,010.54	231.44
			<i>For 6 To 14 Panels, Deduct</i>	-221.60	
			<i>For 15 To 29 Panels, Deduct</i>	-443.19	
			<i>For 30 To 59 Panels, Deduct</i>	-546.30	
			<i>For 60 To 99 Panels, Deduct</i>	-693.72	
			<i>For 100 To 199 Panels, Deduct</i>	-841.14	
			<i>For 200+ Panels, Deduct</i>	-944.25	
09 78 23 00-0146	EA		1/2" Thick, Dichroic Iced, 4' x 10' Varia Ecoresin Panel.....	5,281.09	239.42
			<i>For 6 To 14 Panels, Deduct</i>	-234.13	
			<i>For 15 To 29 Panels, Deduct</i>	-468.25	
			<i>For 30 To 59 Panels, Deduct</i>	-576.87	
			<i>For 60 To 99 Panels, Deduct</i>	-732.31	
			<i>For 100 To 199 Panels, Deduct</i>	-887.75	
			<i>For 200+ Panels, Deduct</i>	-996.36	



<b>Finishes</b>	<b>09</b>	<b>2</b>
<b>Wall Finishes</b>	<b>09 70</b>	
<b>Interior Wall Paneling</b>	<b>09 78</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0147 EA 3/4" Thick, Dichroic Iced, 4' x 10' Varia Ecoresin Panel..... <i>For 6 To 14 Panels, Deduct</i> <i>For 15 To 29 Panels, Deduct</i> <i>For 30 To 59 Panels, Deduct</i> <i>For 60 To 99 Panels, Deduct</i> <i>For 100 To 199 Panels, Deduct</i> <i>For 200+ Panels, Deduct</i>	5,926.35 -265.39 -530.78 -652.40 -827.10 -1,001.80 -1,123.42	247.41
09 78 23 00-0148 EA 1" Thick, Dichroic Iced, 4' x 10' Varia Ecoresin Panel..... <i>For 6 To 14 Panels, Deduct</i> <i>For 15 To 29 Panels, Deduct</i> <i>For 30 To 59 Panels, Deduct</i> <i>For 60 To 99 Panels, Deduct</i> <i>For 100 To 199 Panels, Deduct</i> <i>For 200+ Panels, Deduct</i>	6,571.60 -296.66 -593.31 -727.94 -921.89 -1,115.85 -1,250.47	255.38
<b>09 78 23 00-0149 4' x 10' Varia Ecoresin Options (09 78 23 00-0100)</b>		
09 78 23 00-0150 EA Varia Ecoresin XT (UV Protection) For 4' x 10' Panels, Both Sides..... Note: 1/8" is the minimum gauge when using UV	205.66	
09 78 23 00-0151 EA Premium Colors For 4' x 10' Panels, Per Layer ..... Note: Includes Pure Copper, Pure Gold, Pure Silver, Spun Gold, Spun Silver	215.00	
09 78 23 00-0152 EA Vision Plus Finish For 4' x 10' Panels, Per Side .....	471.12	
09 78 23 00-0153 EA Premium Finish For 4' x 10' Panels, Per Side..... Note: Includes Liquid/Applied Finishes, Markerboard/Patina Plus, SFX Frost	235.56	
09 78 23 00-0154 EA Adding Woven/C3 To Non-Organic/Non-Play For 4' x 10' Panels, Per Additional Layer .....	65.43	
09 78 23 00-0155 EA Adding Woven/C3 To Organic/Play For 4' x 10' Panels, Per Additional Layer.....	224.34	
09 78 23 00-0156 EA Adding 4th Or 5th Layer of C3 For 4' x 10' Panels..... Note: pays for both 4th and 5th layer	186.94	
09 78 23 00-0157 SF C3 Centered For 4' x 10' Panels, Additional Per SF .....	2.18	
09 78 23 00-0158 EA Custom Screen Prints One Time Set Up Charge For 4' x 10' Panels ..... Note: Per color/pattern - add Price Group B for each sheet	1,402.12	
09 78 23 00-0159 SF HighRes Imagery Or Graphic Mirror Up To 5 Sheets For 4' x 10' Panels, Additional Per SF .....	32.26	
09 78 23 00-0160 SF HighRes Imagery Or Graphic Mirror >5 To 14 Sheets For 4' x 10' Panels, Additional Per SF .....	31.70	
09 78 23 00-0161 SF HighRes Imagery Or Graphic Mirror >14 Sheets For 4' x 10' Panels, Additional Per SF.....	30.94	
09 78 23 00-0162 EA Custom Color Fossil Leaf For 4' x 10' Panels, Additional Per Sheet..... Note: Adds additional 3 weeks to lead time	69.14	
<b>09 78 23 00-0163 Varia Ecoresin Panels Cutting, Seaming And Edge Finishes (09 78 23 00-0001)</b>		
<b>09 78 23 00-0164 Cutting (09 78 23 00-0163)</b>		
<b>09 78 23 00-0165 Saw Cutting (09 78 23 00-0164)</b>		
09 78 23 00-0166 LF Saw Cutting On <1/2" Thick Panels.....	1.01	
09 78 23 00-0167 LF Saw Cutting On 1/2" Thick Panels.....	1.26	
09 78 23 00-0168 LF Saw Cutting On >1/2" Thick Panels.....	2.02	
<b>09 78 23 00-0169 CNC Cutting (09 78 23 00-0164)</b>		
09 78 23 00-0170 HR CNC Cutting Programming .....	107.02	
09 78 23 00-0171 HR CNC Cutting Modeling.....	157.53	
09 78 23 00-0172 EA CNC Cutting Set-up .....	108.22	
09 78 23 00-0173 EA CNC Cutting 1-5 Flat Sheets On <1/2" Thick 4' x 8' Panels.....	157.53	
09 78 23 00-0174 EA CNC Cutting 1-5 Flat Sheets On 1/2" Thick 4' x 8' Panels.....	190.00	
09 78 23 00-0175 EA CNC Cutting 1-5 Flat Sheets On >1/2" Thick 4' x 8' Panels.....	252.52	
09 78 23 00-0176 EA CNC Cutting 6-25 Flat Sheets On <1/2" Thick 4' x 8' Panels.....	126.26	
09 78 23 00-0177 EA CNC Cutting 6-25 Flat Sheets On 1/2" Thick 4' x 8' Panels.....	157.53	
09 78 23 00-0178 EA CNC Cutting 6-25 Flat Sheets On >1/2" Thick 4' x 8' Panels.....	221.26	
09 78 23 00-0179 EA CNC Cutting 26-100 Flat Sheets On <1/2" Thick 4' x 8' Panels.....	107.02	
09 78 23 00-0180 EA CNC Cutting 26-100 Flat Sheets On 1/2" Thick 4' x 8' Panels.....	139.49	
09 78 23 00-0181 EA CNC Cutting 26-100 Flat Sheets On >1/2" Thick 4' x 8' Panels.....	190.00	
09 78 23 00-0182 EA CNC Cutting 101-200 Flat Sheets On <1/2" Thick 4' x 8' Panels.....	95.00	
09 78 23 00-0183 EA CNC Cutting 101-200 Flat Sheets On 1/2" Thick 4' x 8' Panels.....	95.00	
09 78 23 00-0184 EA CNC Cutting 101-200 Flat Sheets On >1/2" Thick 4' x 8' Panels.....	95.00	
09 78 23 00-0185 EA CNC Cutting 1-5 Flat Sheets On <1/2" Thick 4' x 10' Panels.....	221.26	
09 78 23 00-0186 EA CNC Cutting 1-5 Flat Sheets On 1/2" Thick 4' x 10' Panels.....	252.52	
09 78 23 00-0187 EA CNC Cutting 1-5 Flat Sheets On >1/2" Thick 4' x 10' Panels.....	316.26	
09 78 23 00-0188 EA CNC Cutting 6-25 Flat Sheets On <1/2" Thick 4' x 10' Panels.....	190.00	
09 78 23 00-0189 EA CNC Cutting 6-25 Flat Sheets On 1/2" Thick 4' x 10' Panels.....	221.26	
09 78 23 00-0190 EA CNC Cutting 6-25 Flat Sheets On >1/2" Thick 4' x 10' Panels.....	252.52	
09 78 23 00-0191 EA CNC Cutting 26-100 Flat Sheets On <1/2" Thick 4' x 10' Panels.....	164.74	
09 78 23 00-0192 EA CNC Cutting 26-100 Flat Sheets On 1/2" Thick 4' x 10' Panels.....	208.03	
09 78 23 00-0193 EA CNC Cutting 26-100 Flat Sheets On >1/2" Thick 4' x 10' Panels.....	221.26	
09 78 23 00-0194 EA CNC Cutting 101-200 Flat Sheets On <1/2" Thick 4' x 10' Panels.....	126.26	
09 78 23 00-0195 EA CNC Cutting 101-200 Flat Sheets On 1/2" Thick 4' x 10' Panels.....	126.26	
09 78 23 00-0196 EA CNC Cutting 101-200 Flat Sheets On >1/2" Thick 4' x 10' Panels.....	126.26	
<b>09 78 23 00-0197 Laser Cutting (09 78 23 00-0164)</b>		
09 78 23 00-0198 EA Laser Cutting Set Up On 4' x 8' Panels..... Note: Polished Cut Edge	127.46	

**09 Finishes**

**09 70 Wall Finishes**

**09 78 Interior Wall Paneling**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0199 EA Laser Cutting Set Up On 4' x 10' Panels.....	191.20	
Note: Polished Cut Edge		
09 78 23 00-0200 SF Laser Cutting.....	12.63	
09 78 23 00-0201 EA Minimum Laser Cutting Fee On 4' x 8' Panels.....	252.52	
09 78 23 00-0202 EA Minimum Laser Cutting Fee On 4' x 10' Panels.....	316.26	
<b>09 78 23 00-0203 Water Jet Cutting (09 78 23 00-0164)</b>		
09 78 23 00-0204 EA Water Jet Cutting Set Up On 4' x 8' Panels.....	114.24	
09 78 23 00-0205 EA Water Jet Cutting Set Up On 4' x 10' Panels.....	152.72	
09 78 23 00-0206 LF Water Jet Cutting 1-150 LF On <1/2" Thick Panels.....	16.84	
Note: C3 and HighRes Only		
09 78 23 00-0207 LF Water Jet Cutting 1-150 LF On 1/2" Thick Panels.....	16.84	
Note: C3 and HighRes Only		
09 78 23 00-0208 LF Water Jet Cutting 1-150 LF On >1/2" Thick Panels.....	19.24	
Note: C3 and HighRes Only		
09 78 23 00-0209 LF Water Jet Cutting 151-300 LF On <1/2" Thick Panels.....	15.63	
Note: C3 and HighRes Only		
09 78 23 00-0210 LF Water Jet Cutting 151-300 LF On 1/2" Thick Panels.....	15.63	
Note: C3 and HighRes Only		
09 78 23 00-0211 LF Water Jet Cutting 151-300 LF On >1/2" Thick Panels.....	18.04	
Note: C3 and HighRes Only		
09 78 23 00-0212 LF Water Jet Cutting 301+ LF On <1/2" Thick Panels.....	13.23	
Note: C3 and HighRes Only		
09 78 23 00-0213 LF Water Jet Cutting 301+ LF On 1/2" Thick Panels.....	13.23	
Note: C3 and HighRes Only		
09 78 23 00-0214 LF Water Jet Cutting 301+ LF On >1/2" Thick Panels.....	16.84	
Note: C3 and HighRes Only		
<b>09 78 23 00-0215 Hand Cutting HighRes (09 78 23 00-0164)</b>		
09 78 23 00-0216 EA Hand Cutting HighRes, Simple Design, Per Panel.....	107.02	
Note: 3 or less points to line up		
09 78 23 00-0217 EA Hand Cutting HighRes, Complex Design, Per Panel.....	215.25	
Note: More than 3 points to line up		
<b>09 78 23 00-0218 Seaming (09 78 23 00-0163)</b>		
<b>09 78 23 00-0219 Tongue And Groove Wavy Glued Seams (09 78 23 00-0218)</b>		
09 78 23 00-0220 EA Tongue And Groove Wavy Glued Seam, Up To 5 Seams, Up To 12" On <1/2" Thick Panels.....	107.02	
09 78 23 00-0221 EA Tongue And Groove Wavy Glued Seam, Up To 5 Seams, Up To 12" On 1/2" Thick Panels.....	126.26	
09 78 23 00-0222 EA Tongue And Groove Wavy Glued Seam, Up To 5 Seams, Up To 12" On >1/2" Thick Panels.....	161.14	
09 78 23 00-0223 EA Tongue And Groove Wavy Glued Seam, >5 Seams, Up To 12" On <1/2" Thick Panels.....	95.00	
09 78 23 00-0224 EA Tongue And Groove Wavy Glued Seam, >5 Seams, Up To 12" On 1/2" Thick Panels.....	114.24	
09 78 23 00-0225 EA Tongue And Groove Wavy Glued Seam, >5 Seams, Up To 12" On >1/2" Thick Panels.....	145.50	
09 78 23 00-0226 EA Tongue And Groove Wavy Glued Seam, Up To 5 Seams, >12" To 48" On <1/2" Thick Panels.....	161.14	
09 78 23 00-0227 EA Tongue And Groove Wavy Glued Seam, Up To 5 Seams, >12" To 48" On 1/2" Thick Panels.....	161.14	
09 78 23 00-0228 EA Tongue And Groove Wavy Glued Seam, Up To 5 Seams, >12" To 48" On >1/2" Thick Panels.....	215.25	
09 78 23 00-0229 EA Tongue And Groove Wavy Glued Seam, >5 Seams, >12" To 48" On <1/2" Thick Panels.....	145.50	
09 78 23 00-0230 EA Tongue And Groove Wavy Glued Seam, >5 Seams, >12" To 48" On 1/2" Thick Panels.....	145.50	
09 78 23 00-0231 EA Tongue And Groove Wavy Glued Seam, >5 Seams, >12" To 48" On >1/2" Thick Panels.....	196.01	
09 78 23 00-0232 EA Tongue And Groove Wavy Glued Seam, Up To 5 Seams, >48 To 96" On <1/2" Thick Panels.....	322.27	
09 78 23 00-0233 EA Tongue And Groove Wavy Glued Seam, Up To 5 Seams, >48 To 96" On 1/2" Thick Panels.....	322.27	
09 78 23 00-0234 EA Tongue And Groove Wavy Glued Seam, Up To 5 Seams, >48 To 96" On >1/2" Thick Panels.....	378.79	
09 78 23 00-0235 EA Tongue And Groove Wavy Glued Seam, >5 Seams, >48 To 96" On <1/2" Thick Panels.....	283.79	
09 78 23 00-0236 EA Tongue And Groove Wavy Glued Seam, >5 Seams, >48 To 96" On 1/2" Thick Panels.....	283.79	
09 78 23 00-0237 EA Tongue And Groove Wavy Glued Seam, >5 Seams, >48 To 96" On >1/2" Thick Panels.....	341.51	
09 78 23 00-0238 EA Tongue And Groove Wavy Glued Seam, Up To 5 Seams, >96" To 120" On <1/2" Thick Panels.....	429.29	
09 78 23 00-0239 EA Tongue And Groove Wavy Glued Seam, Up To 5 Seams, >96" To 120" On 1/2" Thick Panels.....	429.29	
09 78 23 00-0240 EA Tongue And Groove Wavy Glued Seam, Up To 5 Seams, >96" To 120" On >1/2" Thick Panels.....	505.05	
09 78 23 00-0241 EA Tongue And Groove Wavy Glued Seam, >5 Seams, >96" To 120" On <1/2" Thick Panels.....	392.02	
09 78 23 00-0242 EA Tongue And Groove Wavy Glued Seam, >5 Seams, >96" To 120" On 1/2" Thick Panels.....	392.02	
09 78 23 00-0243 EA Tongue And Groove Wavy Glued Seam, >5 Seams, >96" To 120" On >1/2" Thick Panels.....	467.77	
<b>09 78 23 00-0244 Mitered Wavy Tongue And Groove Machining Only (09 78 23 00-0218)</b>		
09 78 23 00-0245 EA Mitered Wavy Tongue And Groove Machining Only Set-up Per Order.....	60.80	
09 78 23 00-0246 LF Mitered Wavy Tongue And Groove Machining, Up To 50 LF On <1/2" Thick Panels.....	6.31	
09 78 23 00-0247 LF Mitered Wavy Tongue And Groove Machining, Up To 50 LF On 1/2" Thick Panels.....	6.31	
09 78 23 00-0248 LF Mitered Wavy Tongue And Groove Machining, Up To 50 LF On >1/2" Thick Panels.....	8.84	
09 78 23 00-0249 LF Mitered Wavy Tongue And Groove Machining, >50 To 150 LF On <1/2" Thick Panels.....	5.69	
09 78 23 00-0250 LF Mitered Wavy Tongue And Groove Machining, >50 To 150 LF On 1/2" Thick Panels.....	5.69	
09 78 23 00-0251 LF Mitered Wavy Tongue And Groove Machining, >50 To 150 LF On >1/2" Thick Panels.....	8.21	
09 78 23 00-0252 LF Mitered Wavy Tongue And Groove Machining, >150 To 300 LF On <1/2" Thick Panels.....	4.43	
09 78 23 00-0253 LF Mitered Wavy Tongue And Groove v>150 To 300 LF On 1/2" Thick Panels.....	4.43	
09 78 23 00-0254 LF Mitered Wavy Tongue And Groove Machining, >150 To 300 LF On >1/2" Thick Panels.....	6.95	
<b>09 78 23 00-0255 Tongue And Groove Quirk (09 78 23 00-0218)</b>		
Note: Half lap quirk loose joint (Includes solvent polishing of loose joints for better clarity).		
09 78 23 00-0256 EA Tongue And Groove Quirk Set Up Per Order.....	60.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0257 LF Tongue And Groove Quirk, Up To 50 LF On <1/2" Thick Panels.....	11.36	
09 78 23 00-0258 LF Tongue And Groove Quirk Up To 50 LF On 1/2" Thick Panels.....	11.36	
09 78 23 00-0259 LF Tongue And Groove Quirk Up To 50 LF On >1/2" Thick Panels.....	13.89	
09 78 23 00-0260 LF Tongue And Groove Quirk, >50 To 150 LF On <1/2" Thick Panels.....	10.74	
09 78 23 00-0261 LF Tongue And Groove Quirk >50 To 150 LF On 1/2" Thick Panels.....	10.74	
09 78 23 00-0262 LF Tongue And Groove Quirk >50 To 150 LF On >1/2" Thick Panels.....	13.26	
09 78 23 00-0263 LF Tongue And Groove Quirk, >150 LF On <1/2" Thick Panels.....	9.48	
09 78 23 00-0264 LF Tongue And Groove Quirk >150 LF On 1/2" Thick Panels.....	9.48	
09 78 23 00-0265 LF Tongue And Groove Quirk >150 LF On >1/2" Thick Panels.....	12.00	
<b>09 78 23 00-0266 Edge Finishes (09 78 23 00-0163)</b>		
<b>09 78 23 00-0267 Eased Edges (09 78 23 00-0266)</b>		
09 78 23 00-0268 LF Eased Edges On <1/2" Thick Panels, Easing Each Side.....	1.26	
09 78 23 00-0269 LF Eased Edges On 1/2" Thick Panels, Easing Each Side.....	1.26	
09 78 23 00-0270 LF Eased Edges On >1/2" Thick Panels, Easing Each Side.....	2.53	
<b>09 78 23 00-0271 Sanding Edges (09 78 23 00-0266)</b>		
09 78 23 00-0272 LF Sanding Edges On <1/2" Thick Panels.....	2.53	
09 78 23 00-0273 LF Sanding Edges On 1/2" Thick Panels.....	3.79	
09 78 23 00-0274 LF Sanding Edges On >1/2" Thick Panels.....	5.05	
<b>09 78 23 00-0275 Edge Sealing (09 78 23 00-0266)</b>		
09 78 23 00-0276 LF Edge Sealing On <1/2" Thick Panels.....	5.69	
09 78 23 00-0277 LF Edge Sealing On 1/2" Thick Panels.....	6.96	
09 78 23 00-0278 LF Edge Sealing On >1/2" Thick Panels.....	8.84	
<b>09 78 23 00-0279 Flame Polishing (09 78 23 00-0266)</b>		
09 78 23 00-0280 LF Flame Polishing, Up To 150 LF On <1/2" Thick Panels.....	3.79	
09 78 23 00-0281 LF Flame Polishing, Up To 150 LF On 1/2" Thick Panels.....	5.05	
09 78 23 00-0282 LF Flame Polishing, Up To 150 LF On >1/2" Thick Panels.....	7.58	
09 78 23 00-0283 LF Flame Polishing, >150 To 300 LF On <1/2" Thick Panels.....	3.48	
09 78 23 00-0284 LF Flame Polishing, >150 To 300 LF On 1/2" Thick Panels.....	4.74	
09 78 23 00-0285 LF Flame Polishing, >150 To 300 LF On >1/2" Thick Panels.....	6.95	
09 78 23 00-0286 LF Flame Polishing, >300 To 500 LF On <1/2" Thick Panels.....	3.16	
09 78 23 00-0287 LF Flame Polishing, >300 To 500 LF On 1/2" Thick Panels.....	4.43	
09 78 23 00-0288 LF Flame Polishing, >300 To 500 LF On >1/2" Thick Panels.....	6.31	
09 78 23 00-0289 LF Flame Polishing, >500 LF On <1/2" Thick Panels.....	2.84	
09 78 23 00-0290 LF Flame Polishing, >500 LF On 1/2" Thick Panels.....	3.79	
09 78 23 00-0291 LF Flame Polishing, >500 LF On >1/2" Thick Panels.....	5.69	
<b>09 78 23 00-0292 Radiused Edge, Beveled Edge (09 78 23 00-0266)</b>		
09 78 23 00-0293 EA Radiused Edge, Beveled Edge Set Up.....	57.72	
09 78 23 00-0294 LF Radiused Edge, Beveled Edge, 1/8" One Edge, On <1/2" Thick Panels.....	2.53	
09 78 23 00-0295 LF Radiused Edge, Beveled Edge, 1/8" One Edge, On 1/2" Thick Panels.....	2.53	
09 78 23 00-0296 LF Radiused Edge, Beveled Edge, 1/8" One Edge, On >1/2" Thick Panels.....	2.53	
09 78 23 00-0297 LF Radiused Edge, Beveled Edge, 1/8" Two Edges, On <1/2" Thick Panels.....	3.79	
09 78 23 00-0298 LF Radiused Edge, Beveled Edge, 1/8" Two Edges, On 1/2" Thick Panels.....	3.79	
09 78 23 00-0299 LF Radiused Edge, Beveled Edge, 1/8" Two Edges, On >1/2" Thick Panels.....	5.05	
09 78 23 00-0300 LF Radiused Edge, Beveled Edge, >1/8" One Edge, On <1/2" Thick Panels.....	5.05	
09 78 23 00-0301 LF Radiused Edge, Beveled Edge, >1/8" One Edge, On 1/2" Thick Panels.....	5.05	
09 78 23 00-0302 LF Radiused Edge, Beveled Edge, >1/8" One Edge, On >1/2" Thick Panels.....	6.31	
09 78 23 00-0303 LF Radiused Edge, Beveled Edge, >1/8" Two Edges, On <1/2" Thick Panels.....	7.58	
09 78 23 00-0304 LF Radiused Edge, Beveled Edge, >1/8" Two Edges, On 1/2" Thick Panels.....	7.58	
09 78 23 00-0305 LF Radiused Edge, Beveled Edge, >1/8" Two Edges, On >1/2" Thick Panels.....	8.84	
<b>09 78 23 00-0306 Solvent And Machine Polishing (09 78 23 00-0266)</b>		
09 78 23 00-0307 LF Solvent And Machine Polishing, Up To 150 LF On <1/2" Thick Panels.....	3.16	
09 78 23 00-0308 LF Solvent And Machine Polishing, Up To 150 LF On 1/2" Thick Panels.....	3.79	
09 78 23 00-0309 LF Solvent And Machine Polishing, Up To 150 LF On >1/2" Thick Panels.....	5.05	
09 78 23 00-0310 LF Solvent And Machine Polishing, >150 To 300 LF On <1/2" Thick Panels.....	2.84	
09 78 23 00-0311 LF Solvent And Machine Polishing, >150 To 300 LF On 1/2" Thick Panels.....	3.48	
09 78 23 00-0312 LF Solvent And Machine Polishing, >150 To 300 LF On >1/2" Thick Panels.....	4.74	
09 78 23 00-0313 LF Solvent And Machine Polishing, >300 LF On <1/2" Thick Panels.....	2.53	
09 78 23 00-0314 LF Solvent And Machine Polishing, >300 LF On 1/2" Thick Panels.....	3.16	
09 78 23 00-0315 LF Solvent And Machine Polishing, >300 LF On >1/2" Thick Panels.....	4.43	
<b>09 78 23 00-0316 Polishing River Rock (09 78 23 00-0266)</b>		
09 78 23 00-0317 LF Hand Polishing River Rock On >1/2" Thick Panels.....	15.15	

## 09 80 Acoustic Treatment (09)



**09 Finishes**

**09 80 Acoustic Treatment**

**09 81 Acoustic Insulation**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**09 81 Acoustic Insulation** (09 80)

**09 81 16 Acoustic Blanket Insulation** (09 81)

09 81 16 00-0001	Sound Attenuation Fire Blankets (SAFB)	(09 81 16)		
09 81 16 00-0002	2.5 PCF Density, Sound Attenuation Fire Blankets (SAFB)	(09 81 16 00-0001)		
09 81 16 00-0003	SF 1-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)		0.81	0.12
09 81 16 00-0004	SF 2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)		0.90	0.12
09 81 16 00-0005	SF 2-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)		1.03	0.12
09 81 16 00-0006	SF 3" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)		1.13	0.12
09 81 16 00-0007	SF 3-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)		1.26	0.12
09 81 16 00-0008	SF 4" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)		1.38	0.12
09 81 16 00-0009	SF 5" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)		1.54	0.12
09 81 16 00-0010	SF 6" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)		1.73	0.12

09 81 16 00-0011	4 PCF Density, Sound Attenuation Fire Blankets (SAFB)	(09 81 16 00-0001)		
09 81 16 00-0012	SF 1" Thick, 4 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)		0.79	0.12

09 81 16 00-0013	Sound Attenuation Batts	(09 81 16)		
Note: NoiseReducer® by Certainteed, Quitezone® by Owens Corning, Sound-Shield® by Johns Mansville.				
09 81 16 00-0014	SF 2-1/2" Thick, Unfaced Sound Attenuation Batt		0.50	0.16
09 81 16 00-0015	SF 3-1/2" Thick, Unfaced Sound Attenuation Batt		0.55	0.16
09 81 16 00-0016	SF 3-1/2" Thick, Kraft Faced Sound Attenuation Batt		0.58	0.16
09 81 16 00-0017	SF 5-1/2" Thick, Unfaced Sound Attenuation Batt		0.68	0.16
09 81 16 00-0018	SF 5-1/2" Thick, Kraft Faced Sound Attenuation Batt		0.71	0.16
09 81 16 00-0019	SF 6-1/4" Thick, Unfaced Sound Attenuation Batt		0.70	0.16
09 81 16 00-0020	SF 6-1/4" Thick, Kraft Faced Sound Attenuation Batt		0.73	0.16

**09 84 Acoustic Room Components** (09 80)

**09 84 13 Fixed Sound-Absorptive Panels** (09 84)

09 84 13 00-0001	Sound Absorbing Panels And Attenuation Blankets	(09 84 13)		
Note: No backs, 3" thick modular, ceiling or wall hung back. Excludes ceiling suspension systems and wall furring system.				
09 84 13 00-0002	SF 3" Thick Perforated Steel Sound Absorbing Panel Painted, No Back With Fiberglass Or Mineral Filler		6.41	0.79
09 84 13 00-0003	SF 1" Thick Fiberglass Sound Absorbing Panels With Glass Cloth Face For Walls		9.83	0.79

09 84 13 00-0004	Sound Absorbing Acoustical Wall Panel System	(09 84 13)		
See CSI section 06 11 16 00-0186 for wood furring.				

09 84 13 00-0005	Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System	(Armstrong® Soundsoak®)	(09 84 13 00-0004)	
Note: Includes tackable surface, molding and mounting hardware for flush mount.				
09 84 13 00-0006	SF 5/8" Panel Thickness, Vinyl Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Signature Vinyl)		7.07	0.88
09 84 13 00-0007	SF 3/4" Panel Thickness, Composed Fabric Surface (Non-Woven), Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Rhythms®)		6.44	0.88
09 84 13 00-0008	SF 3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 FR-701)		8.42	0.88
09 84 13 00-0009	SF 3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Lido™)		8.43	0.88
09 84 13 00-0010	SF 3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Spinel™)		9.43	0.88
09 84 13 00-0011	SF 3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Zirconia™)		9.43	0.88

09 84 13 00-0012	Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System	(Armstrong® Soundsoak®)	(09 84 13 00-0004)	
Note: Includes molding and mounting hardware for flush mount.				
09 84 13 00-0013	SF 1" Panel Thickness, Composed Fabric Surface (Non-Woven), Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Rhythms®)		8.44	0.88
09 84 13 00-0014	SF 1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 FR-701)		10.07	0.88
09 84 13 00-0015	SF 1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Lido™)		10.07	0.88
09 84 13 00-0016	SF 1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Spinel™)		11.70	0.88
09 84 13 00-0017	SF 1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Zirconia™)		11.70	0.88

09 84 13 00-0018	Sound Absorbing Panel, Eggcrate Style	(09 84 13)		
Note: Ceiling or wall hung back.				
09 84 13 00-0019	SF 2" Thick Polyurethane Sound Wave (Eggcrate Style)		5.97	
For Pyramid Style, Add			1.18	



<b>Finishes</b>	<b>09</b>	
Acoustic Treatment	09 80	9
Acoustic Room Components	09 84	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 84	13 00-0020	SF	3" Thick Polyurethane Sound Wave (Eggcrate Style).....	8.58	
			<i>For Pyramid Style, Add</i>	1.18	
09 84	13 00-0021	SF	4" Thick Polyurethane Sound Wave (Eggcrate Style).....	12.12	
			<i>For Pyramid Style, Add</i>	1.18	
09 84	13 00-0022	SF	2" Thick Melamine Sound Wave (Eggcrate Style) .....	8.90	
			<i>For Eggcrate Style With Hypalon Coating, Add</i>	1.97	
			<i>For Pyramid Style, Add</i>	2.05	
			<i>For Pyramid Style With Hypalon Coating, Add</i>	4.02	
09 84	13 00-0023	SF	3" Thick Melamine Sound Wave (Eggcrate Style) .....	21.20	
			<i>For Eggcrate Style With Hypalon Coating, Add</i>	1.97	
			<i>For Pyramid Style, Add</i>	0.42	
			<i>For Pyramid Style With Hypalon Coating, Add</i>	2.40	
09 84	13 00-0024	SF	4" Thick Melamine Sound Wave (Eggcrate Style) .....	27.96	
			<i>For Eggcrate Style With Hypalon Coating, Add</i>	1.97	
			<i>For Pyramid Style, Add</i>	0.42	
			<i>For Pyramid Style With Hypalon Coating, Add</i>	2.40	

**09 84 13 00-0025 Sound Deadening Fiberboard** (09 84 13)

09 84	13 00-0026	SF	1/2" Sound Deadening Fiberboard.....	0.71	0.19
			<i>For Times When The Shortest Distance From Corner to Corner Is &lt;3', Add</i>	0.18	
			<i>For Horizontal Installation Up To 10' High, Add</i>	0.12	
			<i>For Horizontal Installation &gt;10' High, Add</i>	0.18	
			<i>For Walls &gt;10' High, Add</i>	0.03	
			<i>For Up To 128, Add</i>	0.25	
			<i>For &gt;128 To 320, Add</i>	0.12	

**09 90 Painting And Coating** (09)

Note: Includes masking, safety signs, cleaning of area (dry wiping down walls, floors, doors, etc.), removal of loose paint (paint, caulk, etc.), feathering rough edges, sanding between coats, protective work to contain dust and paint splatters (drop cloths), unless otherwise noted, removal and reinstallation of cabinet hardware, switch covers and outlet plates, equipment to place paint and ladders. New construction work additionally includes filling knots, divots, depressions, holes (screw and nail holes in drywall to 1/4" diameter of unlimited quantity). All work designated as "brush/roller" includes brush work for cut and roller work up to cut in. See CSI section 07 92 00 00-0000 for caulking where required, 09 01 20 00-0000 for severely damaged surface preparation in excess of items included above, hand scrape, pressure washing and chemical cleaning where required.

**09 91 Painting** (09 90)

**09 91 13 Exterior Painting** (09 91)

Note: Acrylic latex paint unless otherwise stated.

**09 91 13 00-0001 Paint Exterior Walls/Siding** (09 91 13)

**09 91 13 00-0002 Paint Exterior Brick Walls** (09 91 13 00-0001)

09 91	13 00-0003	SF	Paint Exterior Brick Walls, 1 Coat Filler, Brush Work.....	0.50	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Work &gt;20', Add</i>	0.09	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.30	
			<i>For &gt;100 To 250, Add</i>	0.14	
			<i>For &gt;250 To 500, Add</i>	0.06	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.05	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.08	
			<i>For &gt;20,000, Deduct</i>	-0.10	
09 91	13 00-0004	SF	Paint Exterior Brick Walls, 1 Coat Paint, Brush Work.....	0.69	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Work &gt;20', Add</i>	0.14	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.43	
			<i>For &gt;100 To 250, Add</i>	0.20	
			<i>For &gt;250 To 500, Add</i>	0.09	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.10	
			<i>For &gt;20,000, Deduct</i>	-0.14	
09 91	13 00-0005	SF	Paint Exterior Brick Walls, 2 Coats Paint, Brush Work .....	1.04	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Work &gt;20', Add</i>	0.19	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.60	
			<i>For &gt;100 To 250, Add</i>	0.29	
			<i>For &gt;250 To 500, Add</i>	0.13	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.16	
			<i>For &gt;20,000, Deduct</i>	-0.21	

**09 Finishes**

**09 90 Painting And Coating**

**09 91 Painting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0006	SF		Paint Exterior Brick Walls, 1 Coat Filler, Brush/Roller Work .....	0.34	
			For Oil Based Paint, Add	0.02	
			For Work >20', Add	0.05	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.18	
			For >100 To 250, Add	0.09	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.07	
09 91 13 00-0007	SF		Paint Exterior Brick Walls, 1 Coat Paint, Brush/Roller Work .....	0.57	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.10	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.31	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.11	
09 91 13 00-0008	SF		Paint Exterior Brick Walls, 2 Coats Paint, Brush/Roller Work .....	0.85	
			For Oil Based Paint, Add	0.06	
			For Work >20', Add	0.13	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.43	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 13 00-0009	SF		Paint Exterior Brick Walls, 1 Coat Filler, Sprayed .....	0.34	
			For Oil Based Paint, Add	0.02	
			For Work >20', Add	0.05	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.17	
			For >100 To 250, Add	0.08	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.07	
09 91 13 00-0010	SF		Paint Exterior Brick Walls, 1 Coat Paint, Sprayed .....	0.37	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.04	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.15	
			For >100 To 250, Add	0.08	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.07	
09 91 13 00-0011	SF		Paint Exterior Brick Walls, 2 Coats Paint, Sprayed .....	0.76	
			For Oil Based Paint, Add	0.06	
			For Work >20', Add	0.10	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91 13 00-0012			Paint Exterior Concrete Walls (09 91 13 00-0001) .....	0.43	
09 91 13 00-0013	SF		Paint Exterior Concrete Walls, 1 Coat Filler, Brush Work .....	0.43	
			For Oil Based Paint, Add	0.03	
			For Epoxy Paint, Add	0.05	
			For Work >20', Add	0.08	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.26	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.09	



<b>Finishes</b>	<b>09</b>	<b>2</b>
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0014 SF Paint Exterior Concrete Walls, 1 Coat Paint, Brush Work.....	0.45	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Work >20', Add	0.09	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.28	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0015 SF Paint Exterior Concrete Walls, 2 Coats Paint, Brush Work.....	0.84	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.09	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0016 SF Paint Exterior Concrete Walls, 1 Coat Filler, Brush/Roller Work.....	0.35	
For Oil Based Paint, Add	0.02	
For Epoxy Paint, Add	0.05	
For Work >20', Add	0.06	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.20	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.07	
09 91 13 00-0017 SF Paint Exterior Concrete Walls, 1 Coat Paint, Brush/Roller Work .....	0.39	
For Oil Based Paint, Add	0.02	
For Epoxy Paint, Add	0.05	
For Work >20', Add	0.08	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.24	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 13 00-0018 SF Paint Exterior Concrete Walls, 2 Coats Paint, Brush/Roller Work.....	0.65	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.08	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0019 SF Paint Exterior Concrete Walls, 1 Coat Filler, Sprayed .....	0.31	
For Oil Based Paint, Add	0.02	
For Epoxy Paint, Add	0.05	
For Work >20', Add	0.05	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.15	
For >100 To 250, Add	0.08	
For >250 To 500, Add	0.03	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.06	
09 91 13 00-0020 SF Paint Exterior Concrete Walls, 1 Coat Paint, Sprayed .....	0.28	
For Oil Based Paint, Add	0.02	
For Epoxy Paint, Add	0.05	
For Work >20', Add	0.04	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.14	
For >100 To 250, Add	0.07	
For >250 To 500, Add	0.03	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 20,000, Deduct	-0.04	
For >20,000, Deduct	-0.06	

**09 Finishes****09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0021	SF		Paint Exterior Concrete Walls, 2 Coats Paint, Sprayed .....	0.49	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Epoxy Paint, Add</i>	0.09	
			<i>For Work &gt;20', Add</i>	0.07	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.24	
			<i>For &gt;100 To 250, Add</i>	0.12	
			<i>For &gt;250 To 500, Add</i>	0.05	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.02	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.05	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.07	
			<i>For &gt;20,000, Deduct</i>	-0.10	
09 91 13 00-0022			<b>Paint Exterior Concrete Block Walls</b> (09 91 13 00-0001)		
09 91 13 00-0023			<b>Paint Exterior Concrete Block Walls, Epoxy Paint</b> (09 91 13 00-0022)		
09 91 13 00-0024	SF		Paint Exterior Concrete Block Walls, 1 Coat Epoxy Filler, Brush Work.....	0.60	
			<i>For Work &gt;20', Add</i>	0.10	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.34	
			<i>For &gt;100 To 250, Add</i>	0.16	
			<i>For &gt;250 To 500, Add</i>	0.07	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.09	
			<i>For &gt;20,000, Deduct</i>	-0.12	
09 91 13 00-0025	SF		Paint Exterior Concrete Block Walls, 1 Coat Epoxy Paint, Brush .....	0.68	
			<i>For Work &gt;20', Add</i>	0.12	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.40	
			<i>For &gt;100 To 250, Add</i>	0.19	
			<i>For &gt;250 To 500, Add</i>	0.08	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.10	
			<i>For &gt;20,000, Deduct</i>	-0.14	
09 91 13 00-0026	SF		Paint Exterior Concrete Block Walls, 2 Coats Epoxy Paint, Brush Work .....	1.20	
			<i>For Work &gt;20', Add</i>	0.21	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.67	
			<i>For &gt;100 To 250, Add</i>	0.33	
			<i>For &gt;250 To 500, Add</i>	0.14	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.12	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.18	
			<i>For &gt;20,000, Deduct</i>	-0.24	
09 91 13 00-0027	SF		Paint Exterior Concrete Block Walls, 1 Coat Epoxy Filler, Brush/Roller Work .....	0.50	
			<i>For Work &gt;20', Add</i>	0.08	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.26	
			<i>For &gt;100 To 250, Add</i>	0.13	
			<i>For &gt;250 To 500, Add</i>	0.06	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.05	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.08	
			<i>For &gt;20,000, Deduct</i>	-0.10	
09 91 13 00-0028	SF		Paint Exterior Concrete Block Walls, 1 Coat Epoxy Paint, Brush/Roller Work.....	0.55	
			<i>For Work &gt;20', Add</i>	0.09	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.30	
			<i>For &gt;100 To 250, Add</i>	0.15	
			<i>For &gt;250 To 500, Add</i>	0.06	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.08	
			<i>For &gt;20,000, Deduct</i>	-0.11	
09 91 13 00-0029	SF		Paint Exterior Concrete Block Walls, 2 Coats Epoxy Paint, Brush/Roller Work .....	0.99	
			<i>For Work &gt;20', Add</i>	0.15	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.51	
			<i>For &gt;100 To 250, Add</i>	0.25	
			<i>For &gt;250 To 500, Add</i>	0.11	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.15	
			<i>For &gt;20,000, Deduct</i>	-0.20	
09 91 13 00-0030	SF		Paint Exterior Concrete Block Walls, 1 Coat Epoxy Filler, Sprayed .....	0.43	
			<i>For Work &gt;20', Add</i>	0.05	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.18	
			<i>For &gt;100 To 250, Add</i>	0.09	
			<i>For &gt;250 To 500, Add</i>	0.04	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.02	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.04	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.06	
			<i>For &gt;20,000, Deduct</i>	-0.09	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0031 SF Paint Exterior Concrete Block Walls, 1 Coat Epoxy Paint, Sprayed.....	0.47	
For Work >20', Add	0.06	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.21	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0032 SF Paint Exterior Concrete Block Walls, 2 Coats Epoxy Paint, Sprayed.....	0.91	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
<b>09 91 13 00-0033 Paint Exterior Concrete Block Walls, Acrylic Latex Paint (09 91 13 00-0022)</b>		
09 91 13 00-0034 SF Paint Exterior Concrete Block Walls, 1 Coat Filler, Brush Work.....	0.54	
For Oil Based Paint, Add	0.03	
For Work >20', Add	0.10	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.33	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 13 00-0035 SF Paint Exterior Concrete Block Walls, 1 Coat Paint, Brush Work.....	0.64	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0036 SF Paint Exterior Concrete Block Walls, 2 Coats Paint, Brush Work.....	1.18	
For Oil Based Paint, Add	0.08	
For Work >20', Add	0.21	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.68	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 13 00-0037 SF Paint Exterior Concrete Block Walls, Texture Coat, Brush Work.....	0.71	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.13	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.42	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 13 00-0038 SF Paint Exterior Concrete Block Walls, 1 Coat Filler, Brush/Roller Work.....	0.44	
For Oil Based Paint, Add	0.03	
For Work >20', Add	0.08	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.25	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	

## 09 Finishes

## 09 90 Painting And Coating

## 09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0039	SF		Paint Exterior Concrete Block Walls, 1 Coat Paint, Brush/Roller Work.....	0.56	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.10	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.32	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
09 91 13 00-0040	SF		Paint Exterior Concrete Block Walls, 2 Coats Paint, Brush/Roller Work.....	0.96	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.16	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.52	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91 13 00-0041	SF		Paint Exterior Concrete Block Walls, Texture Coat, Brush/Roller Work.....	0.62	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0042	SF		Paint Exterior Concrete Block Walls, 1 Coat Filler, Sprayed.....	0.42	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.06	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.21	
			For >100 To 250, Add	0.10	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	
09 91 13 00-0043	SF		Paint Exterior Concrete Block Walls, 1 Coat Paint, Sprayed.....	0.46	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.06	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.22	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91 13 00-0044	SF		Paint Exterior Concrete Block Walls, 2 Coats Paint, Sprayed.....	0.70	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.37	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	
09 91 13 00-0045	SF		Paint Exterior Concrete Block Walls, Texture Coat, Sprayed.....	0.59	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.08	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.29	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	

09 91 13 00-0046 Paint Exterior Drywall/Plaster Walls (09 91 13 00-0001)



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0047 SF Paint Exterior Drywall/Plaster Walls, 1 Coat Primer, Brush Work.....	0.44	
For Oil Based Paint, Add	0.03	
For Orange Peel Finish, Add	0.06	
For Work >20', Add	0.08	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.26	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
For Epoxy Paint, Add	0.06	
09 91 13 00-0048 SF Paint Exterior Drywall/Plaster Walls, 1 Coat Paint, Brush Work .....	0.47	
For Oil Based Paint, Add	0.03	
For Orange Peel Finish, Add	0.06	
For Work >20', Add	0.10	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.30	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
For Epoxy Paint, Add	0.05	
09 91 13 00-0049 SF Paint Exterior Drywall/Plaster Walls, 2 Coats Paint, Brush Work.....	0.84	
For Oil Based Paint, Add	0.05	
For Orange Peel Finish, Add	0.11	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
For Epoxy Paint, Add	0.09	
09 91 13 00-0050 SF Paint Exterior Drywall/Plaster Walls, 1 Coat Primer, Brush/Roller Work.....	0.35	
For Oil Based Paint, Add	0.02	
For Orange Peel Finish, Add	0.05	
For Work >20', Add	0.06	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.20	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.07	
For Epoxy Paint, Add	0.05	
09 91 13 00-0051 SF Paint Exterior Drywall/Plaster Walls, 1 Coat Paint, Brush/Roller Work.....	0.35	
For Oil Based Paint, Add	0.02	
For Orange Peel Finish, Add	0.05	
For Work >20', Add	0.07	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.21	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.07	
For Epoxy Paint, Add	0.04	
09 91 13 00-0052 SF Paint Exterior Drywall/Plaster Walls, 2 Coats Paint, Brush/Roller Work .....	0.64	
For Oil Based Paint, Add	0.04	
For Orange Peel Finish, Add	0.08	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
For Epoxy Paint, Add	0.08	



**09 Finishes**

**09 90 Painting And Coating**

**09 91 Painting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0053	SF		Paint Exterior Drywall/Plaster Walls, 1 Coat Primer, Sprayed .....	0.31	
			For Oil Based Paint, Add	0.02	
			For Work >20', Add	0.05	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.15	
			For >100 To 250, Add	0.08	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.06	
			For Epoxy Paint, Add	0.05	
09 91 13 00-0054	SF		Paint Exterior Drywall/Plaster Walls, 1 Coat Paint, Sprayed.....	0.33	
			For Oil Based Paint, Add	0.02	
			For Work >20', Add	0.06	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.18	
			For >100 To 250, Add	0.09	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.07	
			For Epoxy Paint, Add	0.05	
09 91 13 00-0055	SF		Paint Exterior Drywall/Plaster Walls, 2 Coats Paint, Sprayed.....	0.54	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.08	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.28	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
			For Epoxy Paint, Add	0.09	
09 91 13 00-0056			Paint Exterior Metal Walls (09 91 13 00-0001)		
09 91 13 00-0057			Paint Exterior Galvanized Walls (09 91 13 00-0056)		
			Note: Linseed oil or acrylic latex paint.		
09 91 13 00-0058	SF		Paint Exterior Galvanized Wall Surfaces, 1 Coat Primer, Brush Work.....	0.56	
			For Work >20', Add	0.09	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.31	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
09 91 13 00-0059	SF		Paint Exterior Galvanized Wall Surfaces, 1 Coat Paint, Brush Work.....	0.61	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.34	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0060	SF		Paint Exterior Galvanized Wall Surfaces, 2 Coats Paint, Brush Work .....	1.13	
			For Work >20', Add	0.19	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.61	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
09 91 13 00-0061	SF		Paint Exterior Galvanized Walls, 1 Coat Primer, Brush/Roller Work.....	0.43	
			For Work >20', Add	0.07	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.23	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.09	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0062 SF Paint Exterior Galvanized Walls, 1 Coat Paint, Brush/Roller Work.....	0.49	
For Work >20', Add	0.08	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.10	
09 91 13 00-0063 SF Paint Exterior Galvanized Walls, 2 Coats Paint, Brush/Roller Work.....	0.91	
For Work >20', Add	0.14	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.48	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 13 00-0064 SF Paint Exterior Galvanized Walls, 1 Coat Primer, Sprayed.....	0.38	
For Work >20', Add	0.04	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.15	
For >100 To 250, Add	0.08	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 13 00-0065 SF Paint Exterior Galvanized Walls, 1 Coat Paint, Sprayed.....	0.47	
For Work >20', Add	0.06	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.22	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0066 SF Paint Exterior Galvanized Walls, 2 Coats Paint, Sprayed.....	0.84	
For Work >20', Add	0.10	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.36	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
<b>09 91 13 00-0067 Paint Exterior Aluminum And Aluminum Alloy Walls (09 91 13 00-0056)</b>		
Note: Alkyd enamel paint.		
09 91 13 00-0068 SF Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces, 1 Coat Primer, Brush Work.....	0.56	
For Work >20', Add	0.09	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.31	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 13 00-0069 SF Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces, 1 Coat Paint, Brush Work.....	0.61	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.34	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0070 SF Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces, 2 Coats Paint, Brush Work.....	1.13	
For Work >20', Add	0.19	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.61	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	

**09 Finishes**

**09 90 Painting And Coating**

**09 91 Painting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0071	SF		Paint Exterior Aluminum And Aluminum Alloy Walls, 1 Coat Primer, Brush/Roller Work.....	0.49	
			For Work >20', Add	0.07	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.24	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.10	
09 91 13 00-0072	SF		Paint Exterior Aluminum And Aluminum Alloy Walls, 1 Coat Paint, Brush/Roller Work .....	0.54	
			For Work >20', Add	0.08	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.27	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
09 91 13 00-0073	SF		Paint Exterior Aluminum And Aluminum Alloy Walls, 2 Coats Paint, Brush/Roller Work .....	1.02	
			For Work >20', Add	0.14	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.50	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 13 00-0074	SF		Paint Exterior Aluminum And Aluminum Alloy Walls, 1 Coat Primer, Sprayed .....	0.41	
			For Work >20', Add	0.05	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.18	
			For >100 To 250, Add	0.09	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	
09 91 13 00-0075	SF		Paint Exterior Aluminum And Aluminum Alloy Walls, 1 Coat Paint, Sprayed.....	0.47	
			For Work >20', Add	0.06	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.22	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91 13 00-0076	SF		Paint Exterior Aluminum And Aluminum Alloy Walls, 2 Coats Paint, Sprayed.....	0.84	
			For Work >20', Add	0.10	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.36	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
<b>09 91 13 00-0077</b>			<b>Paint Exterior Aluminum And Aluminum Alloy Roof Stacks (09 91 13 00-0056)</b>		
09 91 13 00-0078	LF		Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, 1 Coat Primer, Per LF Of Stack.....	6.93	
			For Work >20', Add	1.45	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	4.53	
			For >100 To 250, Add	2.15	
			For >250 To 500, Add	0.93	
			For >2,500 To 5,000, Deduct	-0.35	
			For >5,000 To 10,000, Deduct	-0.69	
			For >10,000 To 20,000, Deduct	-1.04	
			For >20,000, Deduct	-1.39	
09 91 13 00-0079	LF		Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, 1 Coat Paint, Per LF Of Stack.....	7.71	
			For Work >20', Add	1.61	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	5.03	
			For >100 To 250, Add	2.38	
			For >250 To 500, Add	1.03	
			For >2,500 To 5,000, Deduct	-0.39	
			For >5,000 To 10,000, Deduct	-0.77	
			For >10,000 To 20,000, Deduct	-1.16	
			For >20,000, Deduct	-1.54	



<b>Finishes</b>	<b>09</b>	<b>2</b>
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0080 LF Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, 2 Coats Paint, Per LF Of Stack.....	14.36	
For Work >20', Add	3.03	
Note: Applied only to work area above 20'.		
For Up To 100, Add	9.43	
For >100 To 250, Add	4.47	
For >250 To 500, Add	1.93	
For >2,500 To 5,000, Deduct	-0.72	
For >5,000 To 10,000, Deduct	-1.44	
For >10,000 To 20,000, Deduct	-2.15	
For >20,000, Deduct	-2.87	
 09 91 13 00-0081 Paint Exterior Corrugated Metal Walls (09 91 13 00-0056).....	0.48	
09 91 13 00-0082 SF Paint Exterior Corrugated Metal Walls, 1 Coat Primer, Sprayed.....	0.06	
For Work >20', Add	0.20	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.10	
For >100 To 250, Add	0.05	
For >250 To 500, Add	-0.02	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.10	
09 91 13 00-0083 SF Paint Exterior Corrugated Metal Walls, 1 Coat Paint, Sprayed.....	0.60	
For Work >20', Add	0.29	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.15	
For >100 To 250, Add	0.06	
For >250 To 500, Add	-0.03	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.12	
09 91 13 00-0084 SF Paint Exterior Corrugated Metal Walls, 2 Coats Paint, Sprayed.....	1.03	
For Work >20', Add	0.47	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.23	
For >100 To 250, Add	0.10	
For >250 To 500, Add	-0.05	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.21	
 09 91 13 00-0085 Paint Exterior Stucco Walls (09 91 13 00-0001).....		
09 91 13 00-0086 SF Paint Exterior Stucco Wall Surfaces 1 Coat Primer, Brush Work.....	0.70	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.14	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.45	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 13 00-0087 SF Paint Exterior Stucco Wall Surfaces 1 Coat Paint, Brush Work.....	0.78	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.16	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0088 SF Paint Exterior Stucco Wall Surfaces, 2 Coats Paint, Brush Work.....	1.45	
For Oil Based Paint, Add	0.09	
For Work >20', Add	0.29	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.91	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	

## 09 Finishes

## 09 90 Painting And Coating

## 09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0089	SF		Paint Exterior Stucco Walls, 1 Coat Primer, Brush/Roller Work.....	0.55	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.33	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
09 91 13 00-0090	SF		Paint Exterior Stucco Walls, 1 Coat Paint, Brush/Roller Work.....	0.62	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.12	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.38	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0091	SF		Paint Exterior Stucco Walls, 2 Coats Paint, Brush/Roller Work .....	1.14	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.21	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.68	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
09 91 13 00-0092	SF		Paint Exterior Stucco Walls, 1 Coat Primer, Sprayed .....	0.43	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.07	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.23	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.09	
09 91 13 00-0093	SF		Paint Exterior Stucco Walls, 1 Coat Paint, Sprayed.....	0.52	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.08	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.28	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.10	
09 91 13 00-0094	SF		Paint Exterior Stucco Walls, 2 Coats Paint, Sprayed.....	0.99	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.16	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 13 00-0095			Paint Exterior Wood Siding (09 91 13 00-0091)		
09 91 13 00-0096			Paint Exterior Smooth Wood Siding (09 91 13 00-0095)		
			Note: Includes tongue and groove, beveled, drop or board and batten siding.		
09 91 13 00-0097	SF		Paint Exterior Wood Smooth Siding, 1 Coat Primer, Brush Work .....	0.53	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.10	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.31	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	



<b>Finishes</b>	<b>09</b>	
Painting And Coating	09 90	9
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0098 SF Paint Exterior Wood Smooth Siding, 1 Coat Paint, Brush Work .....	0.55	
For Oil Based Paint, Add	0.03	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.33	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 13 00-0099 SF Paint Exterior Wood Smooth Siding, 2 Coats Paint, Brush Work.....	1.00	
For Oil Based Paint, Add	0.06	
For Work >20', Add	0.19	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.59	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 13 00-0100 SF Paint Exterior Smooth Wood Siding, 1 Coat Primer, Brush/Roller Work.....	0.44	
For Oil Based Paint, Add	0.03	
For Work >20', Add	0.07	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0101 SF Paint Exterior Smooth Wood Siding, 1 Coat Paint, Brush/Roller Work.....	0.47	
For Oil Based Paint, Add	0.03	
For Work >20', Add	0.08	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.26	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0102 SF Paint Exterior Smooth Wood Siding, 2 Coats Paint, Brush/Roller Work.....	0.87	
For Oil Based Paint, Add	0.06	
For Work >20', Add	0.14	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.47	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0103 SF Paint Exterior Smooth Wood Siding, 1 Coat Primer, Sprayed .....	0.36	
For Oil Based Paint, Add	0.03	
For Work >20', Add	0.05	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.17	
For >100 To 250, Add	0.08	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.07	
09 91 13 00-0104 SF Paint Exterior Smooth Wood Siding, 1 Coat Paint, Sprayed.....	0.42	
For Oil Based Paint, Add	0.03	
For Work >20', Add	0.06	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.21	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	

**09 Finishes**

**09 90 Painting And Coating**

**09 91 Painting**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0105 SF Paint Exterior Smooth Wood Siding, 2 Coats Paint, Sprayed.....	0.71	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.10	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.34	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
<b>09 91 13 00-0106 Paint Exterior Rough Wood Siding (09 91 13 00-0095)</b>		
Note: Includes shingles, shakes or rough sawn siding.		
09 91 13 00-0107 SF Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 1 Coat Primer, Brush Work.....	0.80	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.16	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0108 SF Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 1 Coat Paint, Brush Work.....	0.79	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.51	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0109 SF Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 2 Coats Paint, Brush Work.....	1.47	
For Oil Based Paint, Add	0.09	
For Work >20', Add	0.30	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.95	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	
09 91 13 00-0110 SF Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Primer, Brush/Roller Work.....	0.75	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0111 SF Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Paint, Brush/Roller Work.....	0.80	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.13	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.43	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0112 SF Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 2 Coats Paint, Brush/Roller Work.....	1.50	
For Oil Based Paint, Add	0.10	
For Work >20', Add	0.24	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.79	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.30	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0113 SF Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Primer, Sprayed.....	0.57	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.08	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.28	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.11	
09 91 13 00-0114 SF Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Paint, Sprayed .....	0.63	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.10	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.33	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.13	
09 91 13 00-0115 SF Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 2 Coats Paint, Sprayed .....	1.18	
For Oil Based Paint, Add	0.08	
For Work >20', Add	0.18	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.60	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
<b>09 91 13 00-0116 Paint Exterior Vinyl Siding (09 91 13 00-0001)</b>		
09 91 13 00-0117 SF Paint Exterior Vinyl Siding, 1 Coat Primer, Brush Work.....	0.47	
For Oil Based Paint, Add	0.03	
For Work >20', Add	0.08	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.26	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0118 SF Paint Exterior Vinyl Siding, 1 Coat Paint, Brush Work .....	0.51	
For Oil Based Paint, Add	0.03	
For Work >20', Add	0.09	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
09 91 13 00-0119 SF Paint Exterior Vinyl Siding, 2 Coats Paint, Brush Work .....	0.94	
For Oil Based Paint, Add	0.06	
For Work >20', Add	0.16	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.51	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 13 00-0120 SF Paint Exterior Vinyl Siding, 1 Coat Primer, Brush/Roller Work.....	0.44	
For Oil Based Paint, Add	0.03	
For Work >20', Add	0.07	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0121	SF	Paint Exterior Vinyl Siding, 1 Coat Paint, Brush/Roller Work.....	0.44	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.07	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.23	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91	13 00-0122	SF	Paint Exterior Vinyl Siding, 2 Coats Paint, Brush/Roller Work.....	0.81	
			For Oil Based Paint, Add	0.06	
			For Work >20', Add	0.12	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.40	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91	13 00-0123	SF	Paint Exterior Vinyl Siding, 1 Coat Primer, Sprayed.....	0.40	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.05	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.17	
			For >100 To 250, Add	0.09	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	
09 91	13 00-0124	SF	Paint Exterior Vinyl Siding, 1 Coat Paint, Sprayed.....	0.47	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.05	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.18	
			For >100 To 250, Add	0.09	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91	13 00-0125	SF	Paint Exterior Vinyl Siding, 2 Coats Paint, Sprayed.....	0.92	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.10	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.37	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91	13 00-0126		Paint Exterior Ceilings (09 91 13)		
09 91	13 00-0127		Paint Exterior Concrete Ceilings (09 91 13 00-0126)		
09 91	13 00-0128	SF	Paint Exterior Concrete Ceiling, 1 Coat Filler, Brush Work.....	0.48	
			For Oil Based Paint, Add	0.03	
			For Epoxy Paint, Add	0.06	
			For Work >20', Add	0.09	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.29	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.10	
09 91	13 00-0129	SF	Paint Exterior Concrete Ceiling, 1 Coat Paint, Brush Work.....	0.51	
			For Oil Based Paint, Add	0.03	
			For Epoxy Paint, Add	0.05	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.33	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.10	



<b>Finishes</b>	<b>09</b>	<b>2</b>
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0130 SF Paint Exterior Concrete Ceiling, 2 Coats Paint, Brush Work.....	0.91	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.10	
For Work >20', Add	0.19	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.58	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 13 00-0131 SF Paint Exterior Concrete Ceiling, 1 Coat Filler, Brush/Roller Work.....	0.38	
For Oil Based Paint, Add	0.02	
For Epoxy Paint, Add	0.05	
For Work >20', Add	0.07	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.22	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 13 00-0132 SF Paint Exterior Concrete Ceiling, 1 Coat Paint, Brush/Roller Work .....	0.41	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Work >20', Add	0.08	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.25	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 13 00-0133 SF Paint Exterior Concrete Ceiling, 2 Coats Paint, Brush/Roller Work .....	0.75	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.09	
For Work >20', Add	0.15	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0134 SF Paint Exterior Concrete Ceiling, 1 Coat Filler, Sprayed .....	0.32	
For Oil Based Paint, Add	0.02	
For Epoxy Paint, Add	0.06	
For Work >20', Add	0.05	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.16	
For >100 To 250, Add	0.08	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.06	
09 91 13 00-0135 SF Paint Exterior Concrete Ceiling, 1 Coat Paint, Sprayed.....	0.36	
For Oil Based Paint, Add	0.02	
For Epoxy Paint, Add	0.05	
For Work >20', Add	0.06	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.20	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.07	
09 91 13 00-0136 SF Paint Exterior Concrete Ceiling, 2 Coats Paint, Sprayed.....	0.60	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.09	
For Work >20', Add	0.10	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.32	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	

09 91 13 00-0137 Drywall/Plaster (09 91 13 00-0126)

**09 Finishes**

**09 90 Painting And Coating**

**09 91 Painting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0138	SF	Paint Exterior Drywall/Plaster Ceiling, 1 Coat Primer, Brush Work.....	0.48	
			For Oil Based Paint, Add	0.03	
			For Orange Peel Finish, Add	0.06	
			For Epoxy Paint, Add	0.06	
			For Work >20', Add	0.09	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.29	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.10	
			For Epoxy Paint, Add	0.06	
09 91	13 00-0139	SF	Paint Exterior Drywall/Plaster Ceiling, 1 Coat Paint, Brush Work .....	0.51	
			For Oil Based Paint, Add	0.03	
			For Orange Peel Finish, Add	0.07	
			For Epoxy Paint, Add	0.05	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.33	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.10	
			For Epoxy Paint, Add	0.05	
09 91	13 00-0140	SF	Paint Exterior Drywall/Plaster Ceiling, 2 Coats Paint, Brush Work.....	0.91	
			For Oil Based Paint, Add	0.05	
			For Orange Peel Finish, Add	0.13	
			For Epoxy Paint, Add	0.10	
			For Work >20', Add	0.19	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.58	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
			For Epoxy Paint, Add	0.10	
09 91	13 00-0141	SF	Paint Exterior Drywall/Plaster Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.37	
			For Oil Based Paint, Add	0.02	
			For Orange Peel Finish, Add	0.05	
			For Epoxy Paint, Add	0.05	
			For Work >20', Add	0.07	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.21	
			For >100 To 250, Add	0.10	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.07	
			For Epoxy Paint, Add	0.05	
09 91	13 00-0142	SF	Paint Exterior Drywall/Plaster Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.41	
			For Oil Based Paint, Add	0.03	
			For Orange Peel Finish, Add	0.06	
			For Epoxy Paint, Add	0.05	
			For Work >20', Add	0.08	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.25	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	
			For Epoxy Paint, Add	0.05	
09 91	13 00-0143	SF	Paint Exterior Drywall/Plaster Ceiling, 2 Coats Paint, Brush/Roller Work .....	0.74	
			For Oil Based Paint, Add	0.05	
			For Orange Peel Finish, Add	0.10	
			For Epoxy Paint, Add	0.09	
			For Work >20', Add	0.14	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.45	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
			For Epoxy Paint, Add	0.09	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0144 SF Paint Exterior Drywall/Plaster Ceiling, 1 Coat Primer, Sprayed.....	0.32	
For Oil Based Paint, Add	0.02	
For Epoxy Paint, Add	0.06	
For Work >20', Add	0.05	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.16	
For >100 To 250, Add	0.08	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.06	
For Epoxy Paint, Add	0.06	
09 91 13 00-0145 SF Paint Exterior Drywall/Plaster Ceiling, 1 Coat Paint, Sprayed.....	0.38	
For Oil Based Paint, Add	0.02	
For Epoxy Paint, Add	0.05	
For Work >20', Add	0.07	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.22	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
For Epoxy Paint, Add	0.05	
09 91 13 00-0146 SF Paint Exterior Drywall/Plaster Ceiling, 2 Coats Paint, Sprayed.....	0.60	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.09	
For Work >20', Add	0.10	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.32	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
For Epoxy Paint, Add	0.09	
<b>09 91 13 00-0147 Paint Exterior Wood Ceilings (09 91 13 00-0126)</b>		
<b>09 91 13 00-0148 Paint Exterior Smooth Wood Ceilings (09 91 13 00-0147)</b>		
09 91 13 00-0149 SF Paint Exterior Wood Smooth Ceiling, 1 Coat Primer, Brush Work.....	0.59	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0150 SF Paint Exterior Wood Smooth Ceiling, 1 Coat Paint, Brush Work.....	0.60	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0151 SF Paint Exterior Wood Smooth Ceiling, 2 Coats Paint, Brush Work.....	1.10	
For Oil Based Paint, Add	0.07	
For Work >20', Add	0.21	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.67	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	

## 09 Finishes

## 09 90 Painting And Coating

## 09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0152	SF		Paint Exterior Smooth Wood Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.49	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.08	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.27	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.10	
09 91 13 00-0153	SF		Paint Exterior Smooth Wood Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.52	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.09	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.30	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.10	
09 91 13 00-0154	SF		Paint Exterior Smooth Wood Ceiling, 2 Coats Paint, Brush/Roller Work.....	0.93	
			For Oil Based Paint, Add	0.06	
			For Work >20', Add	0.16	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.52	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91 13 00-0155	SF		Paint Exterior Smooth Wood Ceiling, 1 Coat Primer, Sprayed.....	0.38	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.06	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.21	
			For >100 To 250, Add	0.10	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	
09 91 13 00-0156	SF		Paint Exterior Smooth Wood Ceiling, 1 Coat Paint, Sprayed.....	0.38	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.06	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.21	
			For >100 To 250, Add	0.10	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	
09 91 13 00-0157	SF		Paint Exterior Smooth Wood Ceiling, 2 Coats Paint, Sprayed.....	0.71	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.38	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	
09 91 13 00-0158			Paint Exterior Rough Wood Ceilings (09 91 13 00-0147).....	0.86	
09 91 13 00-0159	SF		Paint Exterior Wood Rough Ceiling, 1 Coat Primer, Brush Work.....	0.86	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.16	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.52	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0160 SF Paint Exterior Wood Rough Ceiling, 1 Coat Paint, Brush Work.....	0.87	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.19	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0161 SF Paint Exterior Wood Rough Ceiling, 2 Coats Paint, Brush Work.....	1.52	
For Oil Based Paint, Add	0.09	
For Work >20', Add	0.32	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.98	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.30	
09 91 13 00-0162 SF Paint Exterior Rough Wood Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.80	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.13	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.43	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0163 SF Paint Exterior Rough Wood Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.85	
For Oil Based Paint, Add	0.06	
For Work >20', Add	0.14	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.47	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0164 SF Paint Exterior Rough Wood Ceiling, 2 Coats Paint, Brush/Roller Work.....	1.55	
For Oil Based Paint, Add	0.11	
For Work >20', Add	0.25	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.83	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.31	
09 91 13 00-0165 SF Paint Exterior Rough Wood Ceiling, 1 Coat Primer, Sprayed.....	0.63	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.10	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.33	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.13	
09 91 13 00-0166 SF Paint Exterior Rough Wood Ceiling, 1 Coat Paint, Sprayed.....	0.69	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	

**09 Finishes**

**09 90 Painting And Coating**

**09 91 Painting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0167	SF		Paint Exterior Rough Wood Ceiling, 2 Coats Paint, Sprayed.....	1.24	
			<i>For Oil Based Paint, Add</i>	0.09	
			<i>For Work &gt;20', Add</i>	0.19	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.65	
			<i>For &gt;100 To 250, Add</i>	0.32	
			<i>For &gt;250 To 500, Add</i>	0.14	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.12	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.19	
			<i>For &gt;20,000, Deduct</i>	-0.25	
09 91 13 00-0168			Paint Exterior Metal Ceilings <small>(09 91 13 00-0126)</small>		
09 91 13 00-0169			Paint Exterior Galvanized Ceilings <small>(09 91 13 00-0168)</small>		
			<i>Note: Linseed oil or acrylic latex paint.</i>		
09 91 13 00-0170	SF		Paint Exterior Galvanized Ceiling, 1 Coat Primer, Brush Work.....	0.61	
			<i>For Work &gt;20', Add</i>	0.11	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.34	
			<i>For &gt;100 To 250, Add</i>	0.17	
			<i>For &gt;250 To 500, Add</i>	0.07	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.09	
			<i>For &gt;20,000, Deduct</i>	-0.12	
09 91 13 00-0171	SF		Paint Exterior Galvanized Ceiling, 1 Coat Paint, Brush Work .....	0.66	
			<i>For Work &gt;20', Add</i>	0.12	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.38	
			<i>For &gt;100 To 250, Add</i>	0.18	
			<i>For &gt;250 To 500, Add</i>	0.08	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.10	
			<i>For &gt;20,000, Deduct</i>	-0.13	
09 91 13 00-0172	SF		Paint Exterior Galvanized Ceiling, 2 Coats Paint, Brush Work .....	1.23	
			<i>For Work &gt;20', Add</i>	0.21	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.69	
			<i>For &gt;100 To 250, Add</i>	0.33	
			<i>For &gt;250 To 500, Add</i>	0.15	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.12	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.18	
			<i>For &gt;20,000, Deduct</i>	-0.25	
09 91 13 00-0173	SF		Paint Exterior Galvanized Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.48	
			<i>For Work &gt;20', Add</i>	0.08	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.26	
			<i>For &gt;100 To 250, Add</i>	0.13	
			<i>For &gt;250 To 500, Add</i>	0.06	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.02	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.05	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.07	
			<i>For &gt;20,000, Deduct</i>	-0.10	
09 91 13 00-0174	SF		Paint Exterior Galvanized Ceiling, 1 Coat Paint, Brush/Roller Work .....	0.53	
			<i>For Work &gt;20', Add</i>	0.09	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.30	
			<i>For &gt;100 To 250, Add</i>	0.15	
			<i>For &gt;250 To 500, Add</i>	0.06	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.05	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.08	
			<i>For &gt;20,000, Deduct</i>	-0.11	
09 91 13 00-0175	SF		Paint Exterior Galvanized Ceiling, 2 Coats Paint, Brush/Roller Work .....	0.95	
			<i>For Work &gt;20', Add</i>	0.16	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.52	
			<i>For &gt;100 To 250, Add</i>	0.25	
			<i>For &gt;250 To 500, Add</i>	0.11	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.14	
			<i>For &gt;20,000, Deduct</i>	-0.19	
09 91 13 00-0176	SF		Paint Exterior Galvanized Ceiling, 1 Coat Primer, Sprayed .....	0.47	
			<i>For Work &gt;20', Add</i>	0.06	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Up To 100, Add</i>	0.22	
			<i>For &gt;100 To 250, Add</i>	0.11	
			<i>For &gt;250 To 500, Add</i>	0.05	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.02	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.05	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.07	
			<i>For &gt;20,000, Deduct</i>	-0.09	



<b>Finishes</b>	<b>09</b>	<b>2</b>
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0177 SF Paint Exterior Galvanized Ceiling, 1 Coat Paint, Sprayed .....	0.54	
For Work >20', Add	0.08	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 13 00-0178 SF Paint Exterior Galvanized Ceiling, 2 Coats Paint, Sprayed.....	0.90	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
<b>09 91 13 00-0179 Paint Exterior Aluminum And Aluminum Alloy Ceilings (09 91 13 00-0168)</b>		
Note: Alkyd enamel paint.		
09 91 13 00-0180 SF Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush Work.....	0.61	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.34	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0181 SF Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush Work .....	0.66	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0182 SF Paint Exterior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush Work .....	1.23	
For Work >20', Add	0.21	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.69	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.25	
09 91 13 00-0183 SF Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush/Roller Work .....	0.54	
For Work >20', Add	0.08	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 13 00-0184 SF Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.59	
For Work >20', Add	0.09	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.31	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0185 SF Paint Exterior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush/Roller Work .....	1.08	
For Work >20', Add	0.16	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.22	



**09 Finishes****09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0186	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Sprayed .....	0.47	
			For Work >20', Add	0.06	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.22	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91 13 00-0187	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Sprayed.....	0.47	
			For Work >20', Add	0.06	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.22	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91 13 00-0188	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Sprayed.....	0.90	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
<b>09 91 13 00-0189</b>			<b>Paint Exterior Corrugated Metal Ceilings (09 91 13 00-0188)</b>		
09 91 13 00-0190	SF		Paint Exterior Corrugated Metal Ceiling, 1 Coat Primer, Sprayed .....	0.54	
			For Work >20', Add	0.07	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.25	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
09 91 13 00-0191	SF		Paint Exterior Corrugated Metal Ceiling, 1 Coat Paint, Sprayed.....	0.60	
			For Work >20', Add	0.09	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.29	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0192	SF		Paint Exterior Corrugated Metal Ceiling, 2 Coats Paint, Sprayed.....	1.10	
			For Work >20', Add	0.15	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.52	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	
<b>09 91 13 00-0193</b>			<b>Paint Exterior Floors (09 91 13)</b>		
<b>09 91 13 00-0194</b>			<b>Paint Exterior Concrete Floors (09 91 13 00-0193)</b>		
09 91 13 00-0195	SF		Paint Exterior Concrete Floors And Decks, 1 Coat Primer, Brush Work.....	0.38	
			For Oil Based Paint, Add	0.02	
			For Epoxy Paint, Add	0.05	
			For Up To 100, Add	0.22	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0196 SF Paint Exterior Concrete Floors And Decks, 1 Coat Paint, Brush Work.....	0.41	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.25	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 13 00-0197 SF Paint Exterior Concrete Floors And Decks, 2 Coats Paint, Brush Work.....	0.74	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.09	
For Up To 100, Add	0.45	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0198 SF Paint Exterior Concrete Floors And Decks, 1 Coat Primer, Brush/Roller Work.....	0.31	
For Oil Based Paint, Add	0.02	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.17	
For >100 To 250, Add	0.08	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.06	
09 91 13 00-0199 SF Paint Exterior Concrete Floors And Decks, 1 Coat Paint, Brush/Roller Work.....	0.36	
For Oil Based Paint, Add	0.02	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.22	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.07	
09 91 13 00-0200 SF Paint Exterior Concrete Floors And Decks, 2 Coats Paint, Brush/Roller Work.....	0.58	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.08	
For Up To 100, Add	0.33	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0201 SF Paint Exterior Concrete Floors And Decks, 1 Coat Primer, Sprayed.....	0.26	
For Oil Based Paint, Add	0.02	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.12	
For >100 To 250, Add	0.06	
For >250 To 500, Add	0.03	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 20,000, Deduct	-0.04	
For >20,000, Deduct	-0.05	
09 91 13 00-0202 SF Paint Exterior Concrete Floors And Decks, 1 Coat Paint, Sprayed.....	0.30	
For Oil Based Paint, Add	0.02	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.16	
For >100 To 250, Add	0.08	
For >250 To 500, Add	0.03	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.06	
09 91 13 00-0203 SF Paint Exterior Concrete Floors And Decks, 2 Coats Paint, Sprayed.....	0.54	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.09	
For Up To 100, Add	0.28	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	

## 09 Finishes

## 09 90 Painting And Coating

## 09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0204	SF		Paint Exterior Concrete Floors And Decks, 1 Coat Non Slip Paint, Brush/Roller Work.....	1.16	
			For Up To 100, Add	0.34	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
09 91 13 00-0205	SF		Paint Exterior Concrete Floors And Decks, 1 Coat Anti-Slip, Single Component Epoxy Coating, Brush/Roller Work.....	2.88	
			For Up To 100, Add	0.59	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.14	
			For >5,000 To 10,000, Deduct	-0.29	
			For >10,000 To 20,000, Deduct	-0.43	
			For >20,000, Deduct	-0.58	
09 91 13 00-0206	SF		Paint Exterior Concrete Floors And Decks, 1 Coat Anti-Slip High Performance Epoxy Coating, Brush/Roller Work.....	3.60	
			For Up To 100, Add	0.70	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.18	
			For >5,000 To 10,000, Deduct	-0.36	
			For >10,000 To 20,000, Deduct	-0.54	
			For >20,000, Deduct	-0.72	
09 91 13 00-0207			Paint Exterior Wood Floors (09 91 13 00-0193)		
09 91 13 00-0208	SF		Paint Exterior Wood Floors And Decks, 1 Coat Primer, Brush Work.....	0.47	
			For Oil Based Paint, Add	0.03	
			For Up To 100, Add	0.26	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91 13 00-0209	SF		Paint Exterior Wood Floors And Decks, 1 Coat Paint, Brush Work.....	0.50	
			For Oil Based Paint, Add	0.03	
			For Up To 100, Add	0.30	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.10	
09 91 13 00-0210	SF		Paint Exterior Wood Floors And Decks, 2 Coats Paint, Brush Work.....	0.94	
			For Oil Based Paint, Add	0.06	
			For Up To 100, Add	0.55	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91 13 00-0211	SF		Paint Exterior Wood Floors And Decks, 1 Coat Primer, Brush/Roller Work.....	0.44	
			For Oil Based Paint, Add	0.03	
			For Up To 100, Add	0.23	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91 13 00-0212	SF		Paint Exterior Wood Floors And Decks, 1 Coat Paint, Brush/Roller Work.....	0.47	
			For Oil Based Paint, Add	0.03	
			For Up To 100, Add	0.26	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91 13 00-0213	SF		Paint Exterior Wood Floors And Decks, 2 Coats Paint, Brush/Roller Work.....	0.77	
			For Oil Based Paint, Add	0.05	
			For Up To 100, Add	0.40	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.15	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0214 SF Paint Exterior Wood Floors And Decks, 1 Coat Primer, Sprayed .....	0.32	
For Oil Based Paint, Add	0.02	
For Up To 100, Add	0.16	
For >100 To 250, Add	0.08	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.06	
09 91 13 00-0215 SF Paint Exterior Wood Floors And Decks, 1 Coat Paint, Sprayed.....	0.38	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.21	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 13 00-0216 SF Paint Exterior Wood Floors And Decks, 2 Coats Paint, Sprayed.....	0.65	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.33	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0217 SF Paint Exterior Wood Floors And Decks, 1 Coat Non Slip Paint, Brush Work.....	1.21	
For Up To 100, Add	0.37	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 13 00-0218 SF Paint Exterior Wood Floors And Decks, 1 Coat Non Slip Epoxy Coating, Brush Work.....	3.65	
For Up To 100, Add	0.74	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.18	
For >5,000 To 10,000, Deduct	-0.37	
For >10,000 To 20,000, Deduct	-0.55	
For >20,000, Deduct	-0.73	
<b>09 91 13 00-0219 Paint Exterior Doors And Windows (09 91 13)</b>		
<b>09 91 13 00-0220 Paint Exterior Door Frames (09 91 13 00-0219)</b>		
09 91 13 00-0221 LF Paint Exterior Wood Door Frame And Trim, 1 Coat Primer, Brush/Roller Work .....	0.57	
For Painting Either Interior Or Exterior Only, Deduct	-0.15	
09 91 13 00-0222 LF Paint Exterior Wood Door Frame And Trim, 1 Coat Paint, Brush/Roller Work.....	0.74	
For Painting Either Interior Or Exterior Only, Deduct	-0.20	
09 91 13 00-0223 LF Paint Exterior Wood Door Frame And Trim, 2 Coats Paint, Brush/Roller Work.....	1.26	
For Painting Either Interior Or Exterior Only, Deduct	-0.33	
09 91 13 00-0224 LF Paint Exterior Metal Door Frame And Trim, 1 Coat Primer, Brush/Roller Work.....	0.59	
For Painting Either Interior Or Exterior Only, Deduct	-0.16	
09 91 13 00-0225 LF Paint Exterior Metal Door Frame And Trim, 1 Coat Paint, Brush/Roller Work .....	0.76	
For Painting Either Interior Or Exterior Only, Deduct	-0.20	
09 91 13 00-0226 LF Paint Exterior Metal Door Frame And Trim, 2 Coats Paint, Brush/Roller Work.....	1.28	
For Painting Either Interior Or Exterior Only, Deduct	-0.34	
<b>09 91 13 00-0227 Paint Exterior Metal Doors (09 91 13 00-0219)</b>		
09 91 13 00-0228 EA Paint Exterior Metal Door, One Face, 1 Coat Primer, Brush/Roller Work .....	28.41	
For Half Louvered Door, Add	2.28	
For Full Louvered Door, Add	3.80	
For Electrostatic Painting, Add	4.82	
For >5 To 10, Deduct	-1.42	
For >10 To 25, Deduct	-2.84	
For >25, Deduct	-4.26	
09 91 13 00-0229 EA Paint Exterior Metal Door, One Face, 1 Coat Paint, Brush/Roller Work .....	28.41	
For Half Louvered Door, Add	2.28	
For Full Louvered Door, Add	3.80	
For Electrostatic Painting, Add	4.82	
For >5 To 10, Deduct	-1.42	
For >10 To 25, Deduct	-2.84	
For >25, Deduct	-4.26	
09 91 13 00-0230 EA Paint Exterior Metal Door, One Face, 2 Coats Paint, Brush/Roller Work.....	51.94	
For Half Louvered Door, Add	3.85	
For Full Louvered Door, Add	6.42	
For Electrostatic Painting, Add	9.14	
For >5 To 10, Deduct	-2.60	
For >10 To 25, Deduct	-5.19	
For >25, Deduct	-7.79	

**09 Finishes****09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0231 EA Paint Exterior Metal Door, Both Faces, 1 Coat Primer, Brush/Roller Work.....	51.01	
For Half Louvered Door, Add	4.09	
For Full Louvered Door, Add	6.81	
For Electrostatic Painting, Add	8.67	
For >5 To 10, Deduct	-2.55	
For >10 To 25, Deduct	-5.10	
For >25, Deduct	-7.65	
09 91 13 00-0232 EA Paint Exterior Metal Door, Both Faces, 1 Coat Paint, Brush/Roller Work .....	51.01	
For Half Louvered Door, Add	4.09	
For Full Louvered Door, Add	6.81	
For Electrostatic Painting, Add	8.67	
For >5 To 10, Deduct	-2.55	
For >10 To 25, Deduct	-5.10	
For >25, Deduct	-7.65	
09 91 13 00-0233 EA Paint Exterior Metal Door, Both Faces, 2 Coats Paint, Brush/Roller Work .....	93.61	
For Half Louvered Door, Add	6.91	
For Full Louvered Door, Add	11.52	
For Electrostatic Painting, Add	16.49	
For >5 To 10, Deduct	-4.68	
For >10 To 25, Deduct	-9.36	
For >25, Deduct	-14.04	
09 91 13 00-0234 EA Paint Exterior Metal Door, One Face, 1 Coat Primer, Sprayed.....	27.04	
For Half Louvered Door, Add	1.87	
For Full Louvered Door, Add	3.12	
For Electrostatic Painting, Add	4.89	
For >5 To 10, Deduct	-1.35	
For >10 To 25, Deduct	-2.70	
For >25, Deduct	-4.06	
09 91 13 00-0235 EA Paint Exterior Metal Door, One Face, 1 Coat Paint, Sprayed .....	27.04	
For Half Louvered Door, Add	1.87	
For Full Louvered Door, Add	3.12	
For Electrostatic Painting, Add	4.89	
For >5 To 10, Deduct	-1.35	
For >10 To 25, Deduct	-2.70	
For >25, Deduct	-4.06	
09 91 13 00-0236 EA Paint Exterior Metal Door, One Face, 2 Coats Paint, Sprayed .....	50.00	
For Half Louvered Door, Add	3.16	
For Full Louvered Door, Add	5.27	
For Electrostatic Painting, Add	9.34	
For >5 To 10, Deduct	-2.50	
For >10 To 25, Deduct	-5.00	
For >25, Deduct	-7.50	
09 91 13 00-0237 EA Paint Exterior Metal Door, Both Faces, 1 Coat Primer, Sprayed.....	48.54	
For Half Louvered Door, Add	3.36	
For Full Louvered Door, Add	5.60	
For Electrostatic Painting, Add	8.78	
For >5 To 10, Deduct	-2.43	
For >10 To 25, Deduct	-4.85	
For >25, Deduct	-7.28	
09 91 13 00-0238 EA Paint Exterior Metal Door, Both Faces, 1 Coat Paint, Sprayed.....	48.54	
For Half Louvered Door, Add	3.36	
For Full Louvered Door, Add	5.60	
For Electrostatic Painting, Add	8.78	
For >5 To 10, Deduct	-2.43	
For >10 To 25, Deduct	-4.85	
For >25, Deduct	-7.28	
09 91 13 00-0239 EA Paint Exterior Metal Door, Both Faces, 2 Coats Paint, Sprayed .....	90.18	
For Half Louvered Door, Add	5.69	
For Full Louvered Door, Add	9.48	
For Electrostatic Painting, Add	16.86	
For >5 To 10, Deduct	-4.51	
For >10 To 25, Deduct	-9.02	
For >25, Deduct	-13.53	
09 91 13 00-0240 SF Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 1 Coat Primer, Brush/Roller Work .....	1.26	
For Electrostatic Painting, Add	0.16	
09 91 13 00-0241 SF Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 1 Coat Paint, Brush/Roller Work .....	1.35	
For Electrostatic Painting, Add	0.18	
09 91 13 00-0242 SF Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 2 Coats Paint, Brush/Roller Work.....	2.75	
For Electrostatic Painting, Add	0.36	
09 91 13 00-0243 SF Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 1 Coat Primer, Sprayed.....	1.39	
For Electrostatic Painting, Add	0.17	
09 91 13 00-0244 SF Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 1 Coat Paint, Sprayed .....	1.48	
For Electrostatic Painting, Add	0.19	
09 91 13 00-0245 SF Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door, 2 Coats Paint, Sprayed .....	2.88	
For Electrostatic Painting, Add	0.38	
<b>09 91 13 00-0246 Paint Exterior Wood Doors (09 91 13 00-0219)</b>		
09 91 13 00-0247 EA Paint Exterior Wood Door, One Face, 1 Coat Primer, Brush/Roller Work.....	25.30	
For Half Louvered Door, Add	2.28	
For Full Louvered Door, Add	3.80	
For >5 To 10, Deduct	-1.27	
For >10 To 25, Deduct	-2.53	
For >25, Deduct	-3.80	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0248 EA Paint Exterior Wood Door, One Face, 1 Coat Paint, Brush/Roller Work.....	25.30	
For Half Louvered Door, Add	2.28	
For Full Louvered Door, Add	3.80	
For >5 To 10, Deduct	-1.27	
For >10 To 25, Deduct	-2.53	
For >25, Deduct	-3.80	
09 91 13 00-0249 EA Paint Exterior Wood Door, One Face, 2 Coats Paint, Brush/Roller Work .....	45.76	
For Half Louvered Door, Add	3.85	
For Full Louvered Door, Add	6.42	
For >5 To 10, Deduct	-2.29	
For >10 To 25, Deduct	-4.58	
For >25, Deduct	-6.86	
09 91 13 00-0250 EA Paint Exterior Wood Door, Both Faces, 1 Coat Primer, Brush/Roller Work .....	45.41	
For Half Louvered Door, Add	4.09	
For Full Louvered Door, Add	6.81	
For >5 To 10, Deduct	-2.27	
For >10 To 25, Deduct	-4.54	
For >25, Deduct	-6.81	
09 91 13 00-0251 EA Paint Exterior Wood Door, Both Faces, 1 Coat Paint, Brush/Roller Work .....	45.41	
For Half Louvered Door, Add	4.09	
For Full Louvered Door, Add	6.81	
For >5 To 10, Deduct	-2.27	
For >10 To 25, Deduct	-4.54	
For >25, Deduct	-6.81	
09 91 13 00-0252 EA Paint Exterior Wood Door, Both Faces, 2 Coats Paint, Brush/Roller Work.....	82.43	
For Half Louvered Door, Add	6.91	
For Full Louvered Door, Add	11.52	
For >5 To 10, Deduct	-4.12	
For >10 To 25, Deduct	-8.24	
For >25, Deduct	-12.36	
09 91 13 00-0253 EA Paint Exterior Wood Door, One Face, 1 Coat Primer, Sprayed .....	23.61	
For Half Louvered Door, Add	1.87	
For Full Louvered Door, Add	3.12	
For >5 To 10, Deduct	-1.18	
For >10 To 25, Deduct	-2.36	
For >25, Deduct	-3.54	
09 91 13 00-0254 EA Paint Exterior Wood Door, One Face, 1 Coat Paint, Sprayed.....	23.61	
For Half Louvered Door, Add	1.87	
For Full Louvered Door, Add	3.12	
For >5 To 10, Deduct	-1.18	
For >10 To 25, Deduct	-2.36	
For >25, Deduct	-3.54	
09 91 13 00-0255 EA Paint Exterior Wood Door, One Face, 2 Coats Paint, Sprayed.....	43.22	
For Half Louvered Door, Add	3.17	
For Full Louvered Door, Add	5.28	
For >5 To 10, Deduct	-2.16	
For >10 To 25, Deduct	-4.32	
For >25, Deduct	-6.48	
09 91 13 00-0256 EA Paint Exterior Wood Door, Both Faces, 1 Coat Primer, Sprayed.....	42.39	
For Half Louvered Door, Add	3.36	
For Full Louvered Door, Add	5.60	
For >5 To 10, Deduct	-2.12	
For >10 To 25, Deduct	-4.24	
For >25, Deduct	-6.36	
09 91 13 00-0257 EA Paint Exterior Wood Door, Both Faces, 1 Coat Paint, Sprayed.....	42.39	
For Half Louvered Door, Add	3.36	
For Full Louvered Door, Add	5.60	
For >5 To 10, Deduct	-2.12	
For >10 To 25, Deduct	-4.24	
For >25, Deduct	-6.36	
09 91 13 00-0258 EA Paint Exterior Wood Door, Both Faces, 2 Coats Paint, Sprayed .....	77.88	
For Half Louvered Door, Add	5.69	
For Full Louvered Door, Add	9.48	
For >5 To 10, Deduct	-3.89	
For >10 To 25, Deduct	-7.79	
For >25, Deduct	-11.68	
09 91 13 00-0259 SF Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 1 Coat Primer, Brush/Roller Work .....	1.22	
09 91 13 00-0260 SF Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 1 Coat Paint, Brush/Roller Work.....	1.28	
09 91 13 00-0261 SF Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 2 Coats Paint, Brush/Roller Work .....	2.62	
09 91 13 00-0262 SF Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 1 Coat Primer, Sprayed .....	1.34	
09 91 13 00-0263 SF Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 1 Coat Paint, Sprayed .....	1.41	
09 91 13 00-0264 SF Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door, 2 Coats Paint, Sprayed.....	2.74	
<b>09 91 13 00-0265 Paint Exterior Metal Windows</b> <small>(09 91 13 00-0219)</small>		
Note: Two finish coats paint over rust inhibitive primer.		
09 91 13 00-0266 EA Up To 8 SF Window Size, Paint Exterior Metal Window Including Trim .....	42.83	
For Electrostatic Painting, Add	5.60	
For >5 To 10, Deduct	-2.14	
For >10 To 25, Deduct	-4.28	
For >25, Deduct	-6.42	
09 91 13 00-0267 EA >8 To 14 SF Window Size, Paint Exterior Metal Window Including Trim.....	52.86	
For Electrostatic Painting, Add	7.32	
For >5 To 10, Deduct	-2.64	
For >10 To 25, Deduct	-5.29	
For >25, Deduct	-7.93	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0268	EA		>14 To 20 SF Window Size, Paint Exterior Metal Window Including Trim.....	71.67	
			<i>For Electrostatic Painting, Add</i>	10.06	
			<i>For &gt;5 To 10, Deduct</i>	-3.58	
			<i>For &gt;10 To 25, Deduct</i>	-7.17	
			<i>For &gt;25, Deduct</i>	-10.75	
09 91 13 00-0269	EA		>20 To 26 SF Window Size, Paint Exterior Metal Window Including Trim.....	80.72	
			<i>For Electrostatic Painting, Add</i>	11.34	
			<i>For &gt;5 To 10, Deduct</i>	-4.04	
			<i>For &gt;10 To 25, Deduct</i>	-8.07	
			<i>For &gt;25, Deduct</i>	-12.11	
09 91 13 00-0270	EA		>26 To 34 SF Window Size, Paint Exterior Metal Window Including Trim.....	89.45	
			<i>For Electrostatic Painting, Add</i>	12.54	
			<i>For &gt;5 To 10, Deduct</i>	-4.47	
			<i>For &gt;10 To 25, Deduct</i>	-8.95	
			<i>For &gt;25, Deduct</i>	-13.42	
09 91 13 00-0271	SF		>34 SF Window Size, Paint Exterior Metal Window Including Trim.....	2.84	
			<i>For Electrostatic Painting, Add</i>	0.40	
<b>09 91 13 00-0272</b>			<b>Paint Exterior Wood Windows</b> (09 91 13 00-0219)		
			Note: Two finish coats paint over primer.		
09 91 13 00-0273	EA		Up To 8 SF Window Size, Paint Exterior Wood Window Including Trim.....	40.77	
			<i>For &gt;5 To 10, Deduct</i>	-2.04	
			<i>For &gt;10 To 25, Deduct</i>	-4.08	
			<i>For &gt;25, Deduct</i>	-6.12	
09 91 13 00-0274	EA		>8 To 14 SF Window Size, Paint Exterior Wood Window Including Trim.....	49.66	
			<i>For &gt;5 To 10, Deduct</i>	-2.48	
			<i>For &gt;10 To 25, Deduct</i>	-4.97	
			<i>For &gt;25, Deduct</i>	-7.45	
09 91 13 00-0275	EA		>14 To 20 SF Window Size, Paint Exterior Wood Window Including Trim.....	67.13	
			<i>For &gt;5 To 10, Deduct</i>	-3.36	
			<i>For &gt;10 To 25, Deduct</i>	-6.71	
			<i>For &gt;25, Deduct</i>	-10.07	
09 91 13 00-0276	EA		>20 To 26 SF Window Size, Paint Exterior Wood Window Including Trim.....	75.59	
			<i>For &gt;5 To 10, Deduct</i>	-3.78	
			<i>For &gt;10 To 25, Deduct</i>	-7.56	
			<i>For &gt;25, Deduct</i>	-11.34	
09 91 13 00-0277	EA		>26 To 34 SF Window Size, Paint Exterior Wood Window Including Trim.....	83.81	
			<i>For &gt;5 To 10, Deduct</i>	-4.19	
			<i>For &gt;10 To 25, Deduct</i>	-8.38	
			<i>For &gt;25, Deduct</i>	-12.57	
09 91 13 00-0278	SF		>34 SF Window Size, Paint Exterior Wood Window Including Trim.....	2.80	
<b>09 91 13 00-0279</b>			<b>Paint Exterior Security Screens</b> (09 91 13 00-0219)		
09 91 13 00-0280	SF		Paint Exterior Security Screen, 1 Coat Primer, Brush/Roller Work.....	0.76	
			<i>For Electrostatic Painting, Add</i>	0.11	
09 91 13 00-0281	SF		Paint Exterior Security Screen, 1 Coat Paint, Brush/Roller Work.....	0.77	
			<i>For Electrostatic Painting, Add</i>	0.10	
09 91 13 00-0282	SF		Paint Exterior Security Screen, 2 Coats Paint, Brush/Roller Work.....	1.27	
			<i>For Electrostatic Painting, Add</i>	0.16	
<b>09 91 13 00-0283</b>			<b>Paint Exterior Window Guards</b> (09 91 13 00-0219)		
09 91 13 00-0284	SF		Paint Exterior Metal Window Guards, 1 Coat Primer, Brush/Roller Work.....	0.76	
09 91 13 00-0285	SF		Paint Exterior Metal Window Guards, 1 Coat Paint, Brush/Roller Work.....	0.77	
09 91 13 00-0286	SF		Paint Exterior Metal Window Guards, 2 Coats Paint, Brush/Roller Work.....	1.27	
<b>09 91 13 00-0287</b>			<b>Paint Exterior Window Trim</b> (09 91 13 00-0219)		
09 91 13 00-0288	LF		Paint Exterior Wood Window Frame And Trim, 1 Coat Primer, Brush/Roller Work.....	0.68	
09 91 13 00-0289	LF		Paint Exterior Wood Window Frame And Trim, 1 Coat Paint, Brush/Roller Work.....	0.68	
09 91 13 00-0290	LF		Paint Exterior Wood Window Frame And Trim, 2 Coats Paint, Brush/Roller Work.....	1.12	
09 91 13 00-0291	LF		Paint Exterior Metal Window Frame And Trim, 1 Coat Primer, Brush/Roller Work.....	0.82	
09 91 13 00-0292	LF		Paint Exterior Metal Window Frame And Trim, 1 Coat Paint, Brush/Roller Work.....	0.82	
09 91 13 00-0293	LF		Paint Exterior Metal Window Frame And Trim, 2 Coats Paint, Brush/Roller Work.....	1.41	
<b>09 91 13 00-0294</b>			<b>Paint Roofing And Trim</b> (09 91 13)		
<b>09 91 13 00-0295</b>			<b>Paint Stain Or Seal Wood Roofing</b> (09 91 13 00-0294)		
09 91 13 00-0296	SF		Stain And Seal Shingles/Shake, 1 Coat, Brush/Roller Work.....	1.01	
			<i>For Up To 100, Add</i>	0.49	
			<i>For &gt;100 To 250, Add</i>	0.24	
			<i>For &gt;250 To 500, Add</i>	0.11	
09 91 13 00-0297	SF		Stain And Seal Shingles/Shake, 2 Coats, Brush/Roller Work.....	1.88	
			<i>For Up To 100, Add</i>	0.89	
			<i>For &gt;100 To 250, Add</i>	0.44	
			<i>For &gt;250 To 500, Add</i>	0.20	
<b>09 91 13 00-0298</b>			<b>Paint Metal Roofing</b> (09 91 13 00-0294)		



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0299 SF Paint Metal Roofing, 1 Coat Paint, Brush/Roller Work.....	0.47	
For Up To 100, Add	0.20	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.05	
09 91 13 00-0300 SF Paint Metal Roofing, 2 Coats Paint, Brush/Roller Work.....	0.82	
For Up To 100, Add	0.36	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
<b>09 91 13 00-0301 Paint Fascia Board (09 91 13 00-0294)</b>		
09 91 13 00-0302 LF Paint Fascia Board, 1 Coat Primer, Brush/Roller Work .....	0.41	
For Up To 100, Add	0.19	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.04	
09 91 13 00-0303 LF Paint Fascia Board, 1 Coat Paint, Brush/Roller Work.....	0.41	
For Up To 100, Add	0.19	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.04	
09 91 13 00-0304 LF Paint Fascia Board, 2 Coats Paint, Brush/Roller Work .....	0.72	
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	
<b>09 91 13 00-0305 Paint Soffit (09 91 13 00-0294)</b>		
09 91 13 00-0306 SF Paint Soffit, 1 Coat Primer, Brush/Roller Work .....	0.50	
For Up To 100, Add	0.21	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
09 91 13 00-0307 SF Paint Soffit, 1 Coat Paint, Brush/Roller Work.....	0.50	
For Up To 100, Add	0.21	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
09 91 13 00-0308 SF Paint Soffit, 2 Coats Paint, Brush/Roller Work.....	0.85	
For Up To 100, Add	0.37	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
<b>09 91 13 00-0309 Paint Site Work (09 91 13)</b>		
Note: Tasks can be used for exterior or interior applications.		
<b>09 91 13 00-0310 Paint Structural Steel (09 91 13 00-0309)</b>		
<b>09 91 13 00-0311 Paint Structural Steel, Brush Work (09 91 13 00-0310)</b>		
09 91 13 00-0312 SF Paint Structural Steel, 1 Field Coat Primer, Brush/Roller Work .....	0.52	
For Up To 100, Add	0.31	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For Epoxy Paint, Add	0.07	
09 91 13 00-0313 SF Paint Structural Steel, 1 Field Coat Paint, Brush/Roller Work.....	0.47	
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For Epoxy Paint, Add	0.06	
<b>09 91 13 00-0314 Paint Structural Steel, Spray Work (09 91 13 00-0310)</b>		
09 91 13 00-0315 SF Paint Structural Steel, 1 Field Coat Primer, Spray Work.....	0.40	
For Electrostatic Painting, Add	0.06	
For Up To 100, Add	0.22	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For Epoxy Paint, Add	0.06	
09 91 13 00-0316 SF Paint Structural Steel, 1 Field Coat Paint, Spray Work .....	0.34	
For Electrostatic Painting, Add	0.05	
For Up To 100, Add	0.18	
For >100 To 250, Add	0.09	
For >250 To 500, Add	0.04	
For Epoxy Paint, Add	0.06	
<b>09 91 13 00-0317 Paint Metal Decking, Beams And Bar Joist (09 91 13 00-0310)</b>		
09 91 13 00-0318 SF Paint Exposed Metal Decking, 1 Coat Primer, Sprayed.....	0.44	
For Up To 100, Add	0.25	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For Epoxy Paint, Add	0.06	
09 91 13 00-0319 SF Paint Exposed Metal Decking, 1 Coat Paint, Sprayed.....	0.44	
For Up To 100, Add	0.25	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For Epoxy Paint, Add	0.06	



**09 Finishes****09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0320	SF		Paint Exposed Metal Decking, 2 Coats Paint, Sprayed .....	0.76	
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For Epoxy Paint, Add	0.12	
09 91 13 00-0321	SF		Paint Metal Beams And Bar Joists, 1 Coat Primer, Brush/Roller Work.....	0.65	
			For Up To 100, Add	0.34	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For Epoxy Paint, Add	0.11	
09 91 13 00-0322	SF		Paint Metal Beams And Bar Joists, 1 Coat Paint, Brush/Roller Work.....	0.63	
			For Up To 100, Add	0.34	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For Epoxy Paint, Add	0.10	
09 91 13 00-0323	SF		Paint Metal Beams And Bar Joists, 2 Coats Paint, Brush/Roller Work .....	1.20	
			For Up To 100, Add	0.64	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.14	
			For Epoxy Paint, Add	0.19	
09 91 13 00-0324	SF		Paint Metal Beams And Bar Joists, 1 Coat Primer, Sprayed .....	0.55	
			For Up To 100, Add	0.30	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.06	
			For Epoxy Paint, Add	0.08	
09 91 13 00-0325	SF		Paint Metal Beams And Bar Joists, 1 Coat Paint, Sprayed.....	0.55	
			For Up To 100, Add	0.30	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.06	
			For Epoxy Paint, Add	0.08	
09 91 13 00-0326	SF		Paint Metal Beams And Bar Joists, 2 Coats Paint, Sprayed.....	0.94	
			For Up To 100, Add	0.48	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For Epoxy Paint, Add	0.16	
<b>09 91 13 00-0327</b>			<b>Paint Steel Pipes</b> <small>(09 91 13 00-0309)</small>		
			Note: Includes pipe, tubes, rails, conduit, etc.		
09 91 13 00-0328	LF		Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, 1 Coat Primer.....	0.84	
			For Electrostatic Painting, Add	0.11	
			For Epoxy Paint, Add	0.10	
09 91 13 00-0329	LF		Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, 1 Coat Primer.....	0.95	
			For Electrostatic Painting, Add	0.13	
			For Epoxy Paint, Add	0.11	
09 91 13 00-0330	LF		Paint Steel Pipes 4" Diameter, 1 Coat Primer.....	1.07	
			For Electrostatic Painting, Add	0.14	
			For Epoxy Paint, Add	0.13	
09 91 13 00-0331	LF		Paint Steel Pipes 6" To 8" Diameter, 1 Coat Primer .....	1.34	
			For Electrostatic Painting, Add	0.18	
			For Epoxy Paint, Add	0.16	
09 91 13 00-0332	LF		Paint Steel Pipes 10" To 12" Diameter 1 Coat Primer .....	1.69	
			For Electrostatic Painting, Add	0.23	
			For Epoxy Paint, Add	0.20	
09 91 13 00-0333	LF		Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, 1 Coat Paint.....	0.84	
			For Electrostatic Painting, Add	0.11	
			For Epoxy Paint, Add	0.10	
09 91 13 00-0334	LF		Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, 1 Coat Paint.....	0.95	
			For Electrostatic Painting, Add	0.13	
			For Epoxy Paint, Add	0.11	
09 91 13 00-0335	LF		Paint Steel Pipes 4" Diameter, 1 Coat Paint.....	1.07	
			For Electrostatic Painting, Add	0.14	
			For Epoxy Paint, Add	0.13	
09 91 13 00-0336	LF		Paint Steel Pipes 6" To 8" Diameter, 1 Coat Paint.....	1.34	
			For Electrostatic Painting, Add	0.18	
			For Epoxy Paint, Add	0.16	
09 91 13 00-0337	LF		Paint Steel Pipes 10" To 12" Diameter 1 Coat Paint.....	1.69	
			For Electrostatic Painting, Add	0.23	
			For Epoxy Paint, Add	0.20	
09 91 13 00-0338	LF		Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, 2 Coats .....	1.75	
			For Electrostatic Painting, Add	0.25	
			For Epoxy Paint, Add	0.24	
09 91 13 00-0339	LF		Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, 2 Coats .....	1.90	
			For Electrostatic Painting, Add	0.26	
			For Epoxy Paint, Add	0.23	
09 91 13 00-0340	LF		Paint Steel Pipes 4" Diameter, 2 Coats.....	2.06	
			For Electrostatic Painting, Add	0.28	
			For Epoxy Paint, Add	0.25	
09 91 13 00-0341	LF		Paint Steel Pipes 6" To 8" Diameter, 2 Coats.....	2.60	
			For Electrostatic Painting, Add	0.35	
			For Epoxy Paint, Add	0.32	
09 91 13 00-0342	LF		Paint Steel Pipes 10" To 12" Diameter, 2 Coats .....	3.20	
			For Electrostatic Painting, Add	0.44	
			For Epoxy Paint, Add	0.39	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0343 EA Paint Exposed Single Or Double Gang, Outlet Box, 1 Coat Paint .....	3.97	
For Electrostatic Painting, Add	0.43	
For Epoxy Paint, Add	0.26	
<b>09 91 13 00-0344 Paint Fencing</b> <small>(09 91 13 00-0309)</small>		
Note: Per side of fence. Based on gross fence area (length of fence x height of fence).		
09 91 13 00-0345 SF Paint Existing Chain Link Fence, 1 Coat Paint, Brush/Roller .....	0.43	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.26	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
09 91 13 00-0346 SF Paint Existing Chain Link Fence, 2 Coats Paint, Brush/Roller .....	0.80	
For Epoxy Paint, Add	0.11	
For Up To 100, Add	0.47	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
09 91 13 00-0347 SF Paint Existing Chain Link Fence, 1 Coat Paint, Sprayed .....	0.39	
For Epoxy Paint, Add	0.06	
For Electrostatic Painting, Add	0.06	
For Up To 100, Add	0.21	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.04	
09 91 13 00-0348 SF Paint Existing Chain Link Fence, 2 Coats Paint, Sprayed .....	0.75	
For Epoxy Paint, Add	0.12	
For Electrostatic Painting, Add	0.12	
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
09 91 13 00-0349 SF Paint Wrought Iron Fence, 1 Coat Primer, Brush/Roller .....	0.41	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.22	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
09 91 13 00-0350 SF Paint Wrought Iron Fence, 1 Coat, Brush/Roller .....	0.38	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.22	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
09 91 13 00-0351 SF Paint Wrought Iron Fence, Each Additional Coat, Brush/Roller .....	0.27	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.14	
For >100 To 250, Add	0.07	
For >250 To 500, Add	0.03	
09 91 13 00-0352 SF Paint Picket Fence, 1 Coat Primer, Brush/Roller .....	0.48	
For Epoxy Paint, Add	0.04	
For Up To 100, Add	0.32	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
09 91 13 00-0353 SF Paint Picket Fence, 1 Coat, Brush/Roller .....	0.48	
For Epoxy Paint, Add	0.04	
For Up To 100, Add	0.32	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
09 91 13 00-0354 SF Paint Picket Fence, Each Additional Coat, Brush/Roller .....	0.35	
For Epoxy Paint, Add	0.04	
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
09 91 13 00-0355 SF Paint Wood Fences 1 Coat, Brush/Roller .....	0.38	
For Up To 100, Add	0.22	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
09 91 13 00-0356 SF Paint Wood Fences 2 Coats, Brush/Roller .....	0.67	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
09 91 13 00-0357 SF Paint Wood Fences 1 Coat, Sprayed .....	0.30	
For Up To 100, Add	0.16	
For >100 To 250, Add	0.08	
For >250 To 500, Add	0.03	
09 91 13 00-0358 SF Paint Wood Fences 2 Coats, Sprayed .....	0.56	
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
<b>09 91 13 00-0359 Paint Metal Louvers</b> <small>(09 91 13 00-0309)</small>		
09 91 13 00-0360 SF Paint Ventilation Louver, SF Of Opening Area, 1 Coat Primer, Brush/Roller Work .....	0.71	
For Electrostatic Painting, Add	0.09	
09 91 13 00-0361 SF Paint Ventilation Louver, SF Of Opening Area, 1 Coat Alkyd, Brush/Roller Work .....	0.73	
For Electrostatic Painting, Add	0.09	
09 91 13 00-0362 SF Paint Ventilation Louver, SF Of Opening Area, 2 Coats Alkyd, Brush/Roller Work .....	1.49	
For Electrostatic Painting, Add	0.19	

**09 Finishes****09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>09 91 13 00-0363 Paint Ladders</b> (09 91 13 00-0309)		
09 91 13 00-0364 LF Paint Ladders, 1 Coat Alkyd Primer, Brush/Roller Work .....	1.90	
For Epoxy Paint, Add .....	0.13	
09 91 13 00-0365 LF Paint Ladders, 1 Coat Alkyd Enamel, Brush/Roller Work .....	2.12	
For Epoxy Paint, Add .....	0.14	
09 91 13 00-0366 LF Paint Ladders, 2 Coats Alkyd Enamel, Brush/Roller Work .....	4.15	
For Epoxy Paint, Add .....	0.25	
<b>09 91 13 00-0367 Paint Handrails</b> (09 91 13 00-0309)		
09 91 13 00-0368 LF Paint Hand Rail And Bracket, 1 Rail, 1 Coat Alkyd Primer, Brush/Roller Work .....	0.78	
For Epoxy Paint, Add .....	0.07	
09 91 13 00-0369 LF Paint Hand Rail And Bracket, 1 Rail, 1 Coat Alkyd Enamel, Brush/Roller Work .....	0.86	
For Epoxy Paint, Add .....	0.07	
09 91 13 00-0370 LF Paint Hand Rail And Bracket, 1 Rail, 2 Coats Alkyd Enamel, Brush/Roller Work .....	1.38	
For Epoxy Paint, Add .....	0.10	
09 91 13 00-0371 LF Paint Pipe Rail And Pickets, 1 Rail, 1 Coat Alkyd Primer, Brush/Roller Work .....	1.16	
For Epoxy Paint, Add .....	0.10	
09 91 13 00-0372 LF Paint Pipe Rail And Pickets, 1 Rail, 1 Coat Alkyd Enamel, Brush/Roller Work .....	1.28	
For Epoxy Paint, Add .....	0.10	
09 91 13 00-0373 LF Paint Pipe Rail And Pickets, 1 Rail, 2 Coats Alkyd Enamel, Brush/Roller Work .....	2.23	
For Epoxy Paint, Add .....	0.17	
09 91 13 00-0374 LF Paint Pipe Rail And Pickets, 2 Rails, 1 Coat Alkyd Primer, Brush/Roller Work .....	1.26	
For Epoxy Paint, Add .....	0.10	
09 91 13 00-0375 LF Paint Pipe Rail And Pickets, 2 Rails, 1 Coat Alkyd Enamel, Brush/Roller Work .....	1.39	
For Epoxy Paint, Add .....	0.11	
09 91 13 00-0376 LF Paint Pipe Rail And Pickets, 2 Rails, 2 Coats Alkyd Enamel, Brush/Roller Work .....	2.39	
For Epoxy Paint, Add .....	0.18	
09 91 13 00-0377 LF Paint Balustrades, 1 Coat Alkyd Primer, Brush/Roller Work .....	0.87	
For Epoxy Paint, Add .....	0.11	
09 91 13 00-0378 LF Paint Balustrades, 1 Coat Alkyd Enamel, Brush/Roller Work .....	0.95	
For Epoxy Paint, Add .....	0.11	
09 91 13 00-0379 LF Paint Balustrades, 2 Coats Alkyd Enamel, Brush/Roller Work .....	1.75	
For Epoxy Paint, Add .....	0.22	
<b>09 91 13 00-0380 Paint Grating</b> (09 91 13 00-0309)		
09 91 13 00-0381 SF Paint Gratings And Frames, 1 Coat Primer, Brush/Roller Work .....	1.39	
For Epoxy Paint, Add .....	0.10	
09 91 13 00-0382 SF Paint Gratings And Frames, 1 Coat Paint, Brush/Roller Work .....	1.42	
For Epoxy Paint, Add .....	0.11	
09 91 13 00-0383 SF Paint Gratings And Frames, 2 Coats Paint, Brush/Roller Work .....	2.14	
For Epoxy Paint, Add .....	0.18	
<b>09 91 13 00-0384 Equipment And Tanks</b> (09 91 13 00-0309)		
<b>09 91 13 00-0385 Valves, Primer And Finish Coats</b> (09 91 13 00-0384)		
09 91 13 00-0386 EA Prime And Paint 4" And Smaller Valve .....	15.05	
09 91 13 00-0387 EA Prime And Paint 6" To 10" Valve .....	18.56	
09 91 13 00-0388 EA Prime And Paint 12" To 18" Valve .....	24.33	
09 91 13 00-0389 EA Prime And Paint 20" To 24" Valve .....	32.37	
09 91 13 00-0390 EA Prime And Paint >24" To 36" Valve .....	43.91	
09 91 13 00-0391 EA Prime And Paint >36" To 48" Valve .....	60.20	
<b>09 91 13 00-0392 Pumps And Motors. Primer And Finish Coats</b> (09 91 13 00-0384)		
09 91 13 00-0393 EA Prime And Paint Pump Under 1 HP .....	46.40	
09 91 13 00-0394 EA Prime And Paint Pump, 1 HP To 5 HP .....	61.67	
09 91 13 00-0395 EA Prime And Paint Pump, >5 HP To 10 HP .....	74.67	
09 91 13 00-0396 EA Prime And Paint Pump, >10 HP To 20 HP .....	84.17	
09 91 13 00-0397 EA Prime And Paint Pump, >20 HP To 30 HP .....	98.19	
09 91 13 00-0398 EA Prime And Paint Pump, >30 HP To 50 HP .....	112.23	
09 91 13 00-0399 EA Prime And Paint Pump, >50 HP To 75 HP .....	124.01	
09 91 13 00-0400 EA Prime And Paint Pump, >75 HP .....	140.30	
<b>09 91 13 00-0401 Storage Tanks</b> (09 91 13 00-0384)		
09 91 13 00-0402 SF Paint Storage Tank, Exterior Surface, 1 Coat Primer, Roller .....	0.59	
09 91 13 00-0403 SF Paint Storage Tank, Exterior Surface, 1 Coat Paint, Roller .....	0.80	
09 91 13 00-0404 SF Paint Storage Tank, Exterior Surface, 2 Coats Paint, Roller .....	1.54	
09 91 13 00-0405 SF Paint Storage Tank, Interior Surface, 1 Coat Primer, Roller .....	0.78	
09 91 13 00-0406 SF Paint Storage Tank, Interior Surface, 1 Coat Paint, Roller .....	1.02	
09 91 13 00-0407 SF Paint Storage Tank, Interior Surface, 2 Coats Paint, Roller .....	1.96	
09 91 13 00-0408 SF Paint Storage Tank, Exterior Surface, 1 Coat Primer, Spray .....	0.64	
09 91 13 00-0409 SF Paint Storage Tank, Exterior Surface, 1 Coat Paint, Spray .....	0.80	
09 91 13 00-0410 SF Paint Storage Tank, Exterior Surface, 2 Coats Paint, Spray .....	1.57	
09 91 13 00-0411 SF Paint Storage Tank, Interior Surface, 1 Coat Primer, Spray .....	0.73	
09 91 13 00-0412 SF Paint Storage Tank, Interior Surface, 1 Coat Paint, Spray .....	0.97	
09 91 13 00-0413 SF Paint Storage Tank, Interior Surface, 2 Coats Paint, Spray .....	1.89	



<b>Finishes</b>	<b>09</b>	
Painting And Coating	09 90	9
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>09 91 13 00-0414</b> Other Site Work Painting <small>(09 91 13 00-0309)</small>		
<b>09 91 13 00-0415</b> Paint Shutters Or Blinds, Solid Panel <small>(09 91 13 00-0414)</small>		
09 91 13 00-0416 SF Paint Shutter Or Blinds, Solid Panel, 1 Coat Primer, Brush Work.....	1.49	
09 91 13 00-0417 SF Paint Shutter Or Blinds, Solid Panel, 1 Coat, Brush Work.....	1.50	
09 91 13 00-0418 SF Paint Shutter Or Blinds, Solid Panel, 2 Coats, Brush Work.....	2.67	
09 91 13 00-0419 SF Paint Shutter Or Blinds, Solid Panel, 1 Coat Primer, Sprayed.....	0.94	
09 91 13 00-0420 SF Paint Shutter Or Blinds, Solid Panel, 1 Coat, Sprayed.....	0.94	
09 91 13 00-0421 SF Paint Shutter Or Blinds, Solid Panel, 2 Coats, Sprayed.....	1.74	
<b>09 91 13 00-0422</b> Paint Shutters Or Blinds, Louvered Panel <small>(09 91 13 00-0414)</small>		
09 91 13 00-0423 SF Paint Shutter Or Blinds, Louvered Panel, 1 Coat Primer, Brush Work.....	1.84	
09 91 13 00-0424 SF Paint Shutter Or Blinds, Louvered Panel, 1 Coat, Brush Work.....	1.85	
09 91 13 00-0425 SF Paint Shutter Or Blinds, Louvered Panel, 2 Coats, Brush Work.....	3.29	
09 91 13 00-0426 SF Paint Shutter Or Blinds, Louvered Panel, 1 Coat Primer, Sprayed.....	1.13	
09 91 13 00-0427 SF Paint Shutter Or Blinds, Louvered Panel, 1 Coat, Sprayed.....	1.13	
09 91 13 00-0428 SF Paint Shutter Or Blinds, Louvered Panel, 2 Coats, Sprayed.....	2.10	
<b>09 91 13 00-0429</b> Paint Flagpoles <small>(09 91 13 00-0414)</small>		
09 91 13 00-0430 EA Paint Steel Flagpole, 20' High, 1 Coat Paint.....	122.16	
09 91 13 00-0431 EA Paint Steel Flagpole, 30' High, 1 Coat Paint.....	164.82	
09 91 13 00-0432 EA Paint Steel Flagpole, 40' High, 1 Coat Paint.....	207.51	
09 91 13 00-0433 EA Paint Steel Flagpole, 50' High, 1 Coat Paint.....	250.21	
09 91 13 00-0434 EA Paint Steel Flagpole, 70' High, 1 Coat Paint.....	339.54	
09 91 13 00-0435 EA Paint Steel Flagpole, 80' High, 1 Coat Paint.....	382.74	
09 91 13 00-0436 EA Paint Steel Flagpole, 90' High, 1 Coat Paint.....	425.93	
<b>09 91 13 00-0437</b> Paint Lattice Or Trellis <small>(09 91 13 00-0414)</small>		
09 91 13 00-0438 SF Paint Wood Lattice Or Trellis 1 Coat, Spray Per Side.....	0.73	
For Up To 100, Add	0.48	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
09 91 13 00-0439 SF Paint Wood Lattice Or Trellis 2 Coats, Spray Per Side.....	1.35	
For Up To 100, Add	0.89	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
<b>09 91 13 00-0440</b> Paint Exterior Stairs <small>(09 91 13)</small>		
<b>09 91 13 00-0441</b> Paint Exterior Concrete Stairs <small>(09 91 13 00-0440)</small>		
09 91 13 00-0442 RSR Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work.....	8.19	
09 91 13 00-0443 RSR Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work.....	8.19	
09 91 13 00-0444 RSR Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work.....	11.58	
09 91 13 00-0445 RSR Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work.....	21.34	
09 91 13 00-0446 RSR Paint Exterior Concrete Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work.....	16.36	
<b>09 91 13 00-0447</b> Paint Exterior Metal Stairs <small>(09 91 13 00-0440)</small>		
09 91 13 00-0448 RSR Paint Exterior Metal Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work.....	4.38	
For Oil Based Paint, Add	0.24	
09 91 13 00-0449 RSR Paint Exterior Metal Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work.....	4.38	
For Oil Based Paint, Add	0.24	
09 91 13 00-0450 RSR Paint Exterior Metal Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work.....	8.78	
For Oil Based Paint, Add	0.49	
<b>09 91 13 00-0451</b> Paint Exterior Wood Stairs <small>(09 91 13 00-0440)</small>		
09 91 13 00-0452 RSR Paint Exterior Wood Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work.....	4.27	
09 91 13 00-0453 RSR Paint Exterior Wood Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work.....	4.27	
09 91 13 00-0454 RSR Paint Exterior Wood Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work.....	7.66	
09 91 13 00-0455 RSR Paint Exterior Wood Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work.....	17.42	
09 91 13 00-0456 RSR Paint Exterior Wood Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work.....	8.54	
<b>09 91 13 00-0457</b> Paint Exterior Stair Nosing <small>(09 91 13 00-0440)</small>		
09 91 13 00-0458 LF Paint Exterior Yellow Stair Safety Strip, Up To 2", Non Slip, Brush Work.....	0.78	
<b>09 91 13 00-0459</b> Paint Exterior Trim <small>(09 91 13)</small>		
<b>09 91 13 00-0460</b> Paint Exterior Metal Trim And Gutters <small>(09 91 13 00-0459)</small>		
09 91 13 00-0461 SF Paint Exterior Exposed Metal Trim, 1 Coat Primer, Brush Work.....	0.63	
09 91 13 00-0462 SF Paint Exterior Exposed Metal Trim, 1 Coat Paint, Brush Work.....	0.63	
09 91 13 00-0463 SF Paint Exterior Exposed Metal Trim, 2 Coats Paint, Brush Work.....	1.16	
09 91 13 00-0464 SF Paint Exterior Metal Trim, 1 Coat Primer, Brush/Roller Work.....	0.52	
09 91 13 00-0465 SF Paint Exterior Metal Trim, 1 Coat Paint, Brush/Roller Work.....	0.58	

**09 Finishes****09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0466	SF		Paint Exterior Metal Trim, 2 Coats Paint, Brush/Roller Work.....	1.04	
09 91 13 00-0467	LF		Paint Exterior Gutter And Downspout, 1 Coat Paint, Brush Work.....	0.92	
09 91 13 00-0468	LF		Paint Exterior Gutter And Downspout, 2 Coats Paint, Brush Work.....	1.12	
<b>09 91 13 00-0469</b>			<b>Paint Exterior Wood Trim (09 91 13 00-0459)</b>		
09 91 13 00-0470	SF		Paint Exterior Wood Trim, 1 Coat Primer, Brush Work.....	0.81	
			<i>For Oil Based Paint, Add</i>	0.05	
09 91 13 00-0471	SF		Paint Exterior Wood Trim, 1 Coat Paint, Brush Work.....	0.88	
			<i>For Oil Based Paint, Add</i>	0.05	
09 91 13 00-0472	SF		Paint Exterior Wood Trim, 2 Coats Paint, Brush Work.....	1.62	
			<i>For Oil Based Paint, Add</i>	0.10	
09 91 13 00-0473	SF		Paint Exterior Wood Trim, 1 Coat Primer, Brush/Roller Work.....	0.66	
			<i>For Oil Based Paint, Add</i>	0.04	
09 91 13 00-0474	SF		Paint Exterior Wood Trim, 1 Coat Paint, Brush/Roller Work.....	0.73	
			<i>For Oil Based Paint, Add</i>	0.05	
09 91 13 00-0475	SF		Paint Exterior Wood Trim, 2 Coats Paint, Brush/Roller Work.....	1.37	
			<i>For Oil Based Paint, Add</i>	0.09	
<b>09 91 13 00-0476</b>			<b>Paint Exterior Miscellaneous Metal Surfaces (09 91 13)</b>		
09 91 13 00-0477	SF		Paint Exterior Miscellaneous Metal Surfaces, 1 Coat Alkyd Primer, Brush/Roller Work.....	0.71	
			<i>For Epoxy Paint, Add</i>	0.10	
			<i>For Electrostatic Painting, Add</i>	0.10	
09 91 13 00-0478	SF		Paint Exterior Miscellaneous Metal Surfaces, 1 Coat Alkyd Enamel, Brush/Roller Work.....	0.64	
			<i>For Epoxy Paint, Add</i>	0.07	
			<i>For Electrostatic Painting, Add</i>	0.08	
09 91 13 00-0479	SF		Paint Exterior Miscellaneous Metal Surfaces, 2 Coats Alkyd Enamel, Brush/Roller Work.....	1.31	
			<i>For Epoxy Paint, Add</i>	0.15	
			<i>For Electrostatic Painting, Add</i>	0.17	
<b>09 91 23</b>			<b>Interior Painting (09 91)</b>		
			Note: Acrylic latex paint unless otherwise stated. VOC compliant in all regulated areas, review specifications for levels.		
<b>09 91 23 00-0001</b>			<b>Paint Interior Walls (09 91 23)</b>		
<b>09 91 23 00-0002</b>			<b>Paint Interior Brick Walls (09 91 23 00-0001)</b>		
09 91 23 00-0003	SF		Paint Interior Brick Walls, 1 Coat Filler, Brush Work.....	0.54	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Up To 100, Add</i>	0.33	
			<i>For &gt;100 To 250, Add</i>	0.16	
			<i>For &gt;250 To 500, Add</i>	0.07	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.05	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.08	
			<i>For &gt;20,000, Deduct</i>	-0.11	
09 91 23 00-0004	SF		Paint Interior Brick Walls, 1 Coat Paint, Brush Work.....	0.62	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Up To 100, Add</i>	0.38	
			<i>For &gt;100 To 250, Add</i>	0.18	
			<i>For &gt;250 To 500, Add</i>	0.08	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.09	
			<i>For &gt;20,000, Deduct</i>	-0.12	
09 91 23 00-0005	SF		Paint Interior Brick Walls, 2 Coats Paint, Brush Work.....	1.12	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Up To 100, Add</i>	0.66	
			<i>For &gt;100 To 250, Add</i>	0.32	
			<i>For &gt;250 To 500, Add</i>	0.14	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.11	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.17	
			<i>For &gt;20,000, Deduct</i>	-0.22	
09 91 23 00-0006	SF		Paint Interior Brick Walls, 1 Coat Filler, Brush/Roller Work.....	0.45	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Up To 100, Add</i>	0.26	
			<i>For &gt;100 To 250, Add</i>	0.13	
			<i>For &gt;250 To 500, Add</i>	0.05	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.02	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.05	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.07	
			<i>For &gt;20,000, Deduct</i>	-0.09	
09 91 23 00-0007	SF		Paint Interior Brick Walls, 1 Coat Paint, Brush/Roller Work.....	0.56	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Up To 100, Add</i>	0.31	
			<i>For &gt;100 To 250, Add</i>	0.15	
			<i>For &gt;250 To 500, Add</i>	0.07	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.08	
			<i>For &gt;20,000, Deduct</i>	-0.11	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0008 SF Paint Interior Brick Walls, 2 Coats Paint, Brush/Roller Work .....	0.97	
For Oil Based Paint, Add	0.07	
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.19	
09 91 23 00-0009 SF Paint Interior Brick Walls, 1 Coat Filler, Sprayed .....	0.40	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.21	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 23 00-0010 SF Paint Interior Brick Walls, 1 Coat Paint, Sprayed.....	0.46	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.22	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 23 00-0011 SF Paint Interior Brick Walls, 2 Coats Paint, Sprayed .....	0.80	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0012 SF Paint Interior Brick Walls, 1 Coat Bonding Agent, Brush Work .....	0.56	
For Up To 100, Add	0.33	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 23 00-0013 SF Paint Interior Brick Walls, 1 Coat Bonding Agent, Brush/Roller Work.....	0.47	
For Up To 100, Add	0.26	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 23 00-0014 SF Paint Interior Brick Walls, 1 Coat Bonding Agent, Spray .....	0.43	
For Up To 100, Add	0.21	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.09	
<b>09 91 23 00-0015 Paint Interior Concrete Walls (09 91 23 00-0001)</b>		
09 91 23 00-0016 SF Paint Interior Concrete Walls, 1 Coat Filler, Brush Work .....	0.46	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.28	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 23 00-0017 SF Paint Interior Concrete Walls, 1 Coat Paint, Brush Work .....	0.49	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.31	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.10	

**09 Finishes**

**09 90 Painting And Coating**

**09 91 Painting**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0018 SF Paint Interior Concrete Walls, 2 Coats Paint, Brush Work .....	0.88	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.08	
For Up To 100, Add	0.58	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	
09 91 23 00-0019 SF Paint Interior Concrete Walls, 1 Coat Filler, Brush/Roller Work .....	0.38	
For Oil Based Paint, Add	0.02	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.22	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 23 00-0020 SF Paint Interior Concrete Walls, 1 Coat Paint, Brush/Roller Work .....	0.42	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.26	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 23 00-0021 SF Paint Interior Concrete Walls, 2 Coats Paint, Brush/Roller Work .....	0.76	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.09	
For Up To 100, Add	0.47	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 23 00-0022 SF Paint Interior Concrete Walls, 1 Coat Filler, Sprayed .....	0.33	
For Oil Based Paint, Add	0.02	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.17	
For >100 To 250, Add	0.08	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.07	
09 91 23 00-0023 SF Paint Interior Concrete Walls, 1 Coat Paint, Sprayed .....	0.36	
For Oil Based Paint, Add	0.02	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.20	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.07	
09 91 23 00-0024 SF Paint Interior Concrete Walls, 2 Coats Paint, Sprayed .....	0.60	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.09	
For Up To 100, Add	0.32	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0025 SF Paint Interior Concrete Walls, 1 Coat Bonding Agent, Brush Work .....	0.48	
For Up To 100, Add	0.28	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.10	
09 91 23 00-0026 SF Paint Interior Concrete Walls, 1 Coat Bonding Agent, Brush/Roller Work .....	0.40	
For Up To 100, Add	0.22	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0027 SF Paint Interior Concrete Walls, 1 Coat Bonding Agent, Sprayed.....	0.35	
For Up To 100, Add	0.17	
For >100 To 250, Add	0.09	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.07	
<b>09 91 23 00-0028 Paint Interior Concrete Block Walls (09 91 23 00-0001)</b>		
<b>09 91 23 00-0029 Paint Interior Concrete Block Walls, Epoxy Paint (09 91 23 00-0028)</b>		
09 91 23 00-0030 SF Paint Interior Concrete Block Walls, 1 Coat Epoxy Filler, Brush Work.....	0.64	
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 23 00-0031 SF Paint Interior Concrete Block Walls, 1 Coat Epoxy Paint, Brush.....	0.73	
For Up To 100, Add	0.43	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 23 00-0032 SF Paint Interior Concrete Block Walls, 2 Coats Epoxy Paint, Brush Work .....	1.32	
For Up To 100, Add	0.76	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	
09 91 23 00-0033 SF Paint Interior Concrete Block Walls, 1 Coat Epoxy Filler, Brush/Roller Work .....	0.54	
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 23 00-0034 SF Paint Interior Concrete Block Walls, 1 Coat Epoxy Paint, Brush/Roller Work.....	0.59	
For Up To 100, Add	0.33	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0035 SF Paint Interior Concrete Block Walls, 2 Coats Epoxy Paint, Brush/Roller Work .....	1.12	
For Up To 100, Add	0.61	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 23 00-0036 SF Paint Interior Concrete Block Walls, 1 Coat Epoxy Filler, Sprayed.....	0.47	
For Up To 100, Add	0.21	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 23 00-0037 SF Paint Interior Concrete Block Walls, 1 Coat Epoxy Paint, Sprayed.....	0.56	
For Up To 100, Add	0.28	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 23 00-0038 SF Paint Interior Concrete Block Walls, 2 Coats Epoxy Paint, Sprayed.....	1.02	
For Up To 100, Add	0.47	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	



**09 Finishes**

**09 90 Painting And Coating**

**09 91 Painting**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>09 91 23 00-0039</b>		<b>Paint Interior Concrete Block Walls, Acrylic Latex Paint</b> (09 91 23 00-0028)	
09 91 23 00-0040	SF	Paint Interior Concrete Block Walls, 1 Coat Filler, Brush Work.....	0.59
		<i>For Oil Based Paint, Add</i>	0.04
		<i>For Up To 100, Add</i>	0.36
		<i>For &gt;100 To 250, Add</i>	0.17
		<i>For &gt;250 To 500, Add</i>	0.08
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.09
		<i>For &gt;20,000, Deduct</i>	-0.12
09 91 23 00-0041	SF	Paint Interior Concrete Block Walls, 1 Coat Paint, Brush Work.....	0.69
		<i>For Oil Based Paint, Add</i>	0.04
		<i>For Up To 100, Add</i>	0.42
		<i>For &gt;100 To 250, Add</i>	0.20
		<i>For &gt;250 To 500, Add</i>	0.09
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.10
		<i>For &gt;20,000, Deduct</i>	-0.14
09 91 23 00-0042	SF	Paint Interior Concrete Block Walls, 2 Coats Paint, Brush Work.....	1.27
		<i>For Oil Based Paint, Add</i>	0.08
		<i>For Up To 100, Add</i>	0.75
		<i>For &gt;100 To 250, Add</i>	0.36
		<i>For &gt;250 To 500, Add</i>	0.16
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.13
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.19
		<i>For &gt;20,000, Deduct</i>	-0.25
09 91 23 00-0043	SF	Paint Interior Concrete Block Walls, Texture Coat, Brush Work.....	0.77
		<i>For Oil Based Paint, Add</i>	0.05
		<i>For Up To 100, Add</i>	0.46
		<i>For &gt;100 To 250, Add</i>	0.22
		<i>For &gt;250 To 500, Add</i>	0.10
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.08
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.12
		<i>For &gt;20,000, Deduct</i>	-0.15
09 91 23 00-0044	SF	Paint Interior Concrete Block Walls, 1 Coat Filler, Brush/Roller Work.....	0.50
		<i>For Oil Based Paint, Add</i>	0.03
		<i>For Up To 100, Add</i>	0.30
		<i>For &gt;100 To 250, Add</i>	0.14
		<i>For &gt;250 To 500, Add</i>	0.06
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.05
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.08
		<i>For &gt;20,000, Deduct</i>	-0.10
09 91 23 00-0045	SF	Paint Interior Concrete Block Walls, 1 Coat Paint, Brush/Roller Work.....	0.60
		<i>For Oil Based Paint, Add</i>	0.04
		<i>For Up To 100, Add</i>	0.35
		<i>For &gt;100 To 250, Add</i>	0.17
		<i>For &gt;250 To 500, Add</i>	0.07
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.09
		<i>For &gt;20,000, Deduct</i>	-0.12
09 91 23 00-0046	SF	Paint Interior Concrete Block Walls, 2 Coats Paint, Brush/Roller Work.....	1.08
		<i>For Oil Based Paint, Add</i>	0.07
		<i>For Up To 100, Add</i>	0.61
		<i>For &gt;100 To 250, Add</i>	0.29
		<i>For &gt;250 To 500, Add</i>	0.13
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.11
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.16
		<i>For &gt;20,000, Deduct</i>	-0.22
09 91 23 00-0047	SF	Paint Interior Concrete Block Walls, Texture Coat, Brush/Roller Work.....	0.67
		<i>For Oil Based Paint, Add</i>	0.04
		<i>For Up To 100, Add</i>	0.39
		<i>For &gt;100 To 250, Add</i>	0.19
		<i>For &gt;250 To 500, Add</i>	0.08
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.10
		<i>For &gt;20,000, Deduct</i>	-0.13
09 91 23 00-0048	SF	Paint Interior Concrete Block Walls, 1 Coat Filler, Sprayed.....	0.46
		<i>For Oil Based Paint, Add</i>	0.03
		<i>For Up To 100, Add</i>	0.24
		<i>For &gt;100 To 250, Add</i>	0.12
		<i>For &gt;250 To 500, Add</i>	0.05
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.02
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.05
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.07
		<i>For &gt;20,000, Deduct</i>	-0.09



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0049 SF Paint Interior Concrete Block Walls, 1 Coat Paint, Sprayed .....	0.53	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 23 00-0050 SF Paint Interior Concrete Block Walls, 2 Coats Paint, Sprayed.....	0.74	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 23 00-0051 SF Paint Interior Concrete Block Walls, Texture Coat, Sprayed .....	0.62	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.31	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
<b>09 91 23 00-0052 Paint Interior Concrete Block Walls With Bonding Agent (09 91 23 00-0028)</b>		
09 91 23 00-0053 SF Paint Interior Concrete Block Walls, 1 Coat Bonding Agent, Brush .....	0.61	
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0054 SF Paint Interior Concrete Block Walls, 1 Coat Bonding Agent, Brush/Roller Work.....	0.52	
For Up To 100, Add	0.30	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
09 91 23 00-0055 SF Paint Interior Concrete Block Walls, 1 Coat Bonding Agent, Sprayed.....	0.49	
For Up To 100, Add	0.25	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.10	
<b>09 91 23 00-0056 Paint Interior Plaster/Drywall Walls (09 91 23 00-0001)</b>		
<b>09 91 23 00-0057 Paint Interior Plaster/Drywall Walls (09 91 23 00-0056)</b>		
09 91 23 00-0058 SF Paint Interior Plaster/Drywall Walls, 1 Coat Primer, Brush Work .....	0.48	
For Oil Based Paint, Add	0.03	
For Orange Peel Finish, Add	0.06	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.10	
09 91 23 00-0059 SF Paint Interior Plaster/Drywall Walls, 1 Coat Paint, Brush Work.....	0.50	
For Oil Based Paint, Add	0.03	
For Orange Peel Finish, Add	0.07	
For Epoxy Paint, Add	0.05	
For Each Coat With Egg Shell Finish, Add	0.01	
For Up To 100, Add	0.32	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	

**09 Finishes**

**09 90 Painting And Coating**

**09 91 Painting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0060	SF		Paint Interior Plaster/Drywall Walls, 2 Coats Paint, Brush Work.....	0.91	
			For Oil Based Paint, Add	0.05	
			For Orange Peel Finish, Add	0.13	
			For Epoxy Paint, Add	0.10	
			For Each Coat With Egg Shell Finish, Add	0.01	
			For Up To 100, Add	0.58	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 23 00-0061	SF		Paint Interior Plaster/Drywall Walls, 3 Coats Paint, Brush .....	1.30	
			For Oil Based Paint, Add	0.08	
			For Orange Peel Finish, Add	0.18	
			For Epoxy Paint, Add	0.14	
			For Each Coat With Egg Shell Finish, Add	0.01	
			For Up To 100, Add	0.82	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.26	
09 91 23 00-0062	SF		Paint Interior Plaster/Drywall Walls, 1 Coat Primer, Brush/Roller Work.....	0.39	
			For Oil Based Paint, Add	0.03	
			For Orange Peel Finish, Add	0.05	
			For Epoxy Paint, Add	0.05	
			For Up To 100, Add	0.23	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	
09 91 23 00-0063	SF		Paint Interior Plaster/Drywall Walls, 1 Coat Paint, Brush/Roller Work .....	0.43	
			For Oil Based Paint, Add	0.03	
			For Orange Peel Finish, Add	0.06	
			For Epoxy Paint, Add	0.05	
			For Each Coat With Egg Shell Finish, Add	0.01	
			For Up To 100, Add	0.26	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.09	
09 91 23 00-0064	SF		Paint Interior Plaster/Drywall Walls, 2 Coats Paint, Brush/Roller Work.....	0.76	
			For Oil Based Paint, Add	0.05	
			For Orange Peel Finish, Add	0.10	
			For Epoxy Paint, Add	0.10	
			For Each Coat With Egg Shell Finish, Add	0.01	
			For Up To 100, Add	0.46	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91 23 00-0065	SF		Paint Interior Plaster/Drywall Walls, 1 Coat Primer, Sprayed.....	0.32	
			For Oil Based Paint, Add	0.02	
			For Epoxy Paint, Add	0.06	
			For Up To 100, Add	0.16	
			For >100 To 250, Add	0.08	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.06	
09 91 23 00-0066	SF		Paint Interior Plaster/Drywall Walls, 1 Coat Paint, Sprayed.....	0.36	
			For Oil Based Paint, Add	0.02	
			For Epoxy Paint, Add	0.05	
			For Each Coat With Egg Shell Finish, Add	0.01	
			For Up To 100, Add	0.20	
			For >100 To 250, Add	0.10	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.07	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0067 SF Paint Interior Plaster/Drywall Walls, 2 Coats Paint, Sprayed.....	0.60	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.09	
For Each Coat With Egg Shell Finish, Add	0.01	
For Up To 100, Add	0.32	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
<b>09 91 23 00-0068 Paint Interior Plaster/Drywall Or Masonry Walls With Polymix Multi-Color</b>		
<b>Paint (09 91 23 00-0056)</b>		
09 91 23 00-0069 SF Paint Interior Plaster/Drywall Or Masonry Walls, 2 Tone Polymix With Base Coat, Sprayed .....	1.10	
For Up To 100, Add	0.44	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 23 00-0070 SF Paint Interior Plaster/Drywall Or Masonry Walls, 3 Tone Polymix With Base Coat, Sprayed .....	1.21	
For Up To 100, Add	0.46	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 23 00-0071 SF Paint Interior Plaster/Drywall Or Masonry Walls, 4 Tone Polymix With Base Coat, Sprayed .....	1.32	
For Up To 100, Add	0.47	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	
<b>09 91 23 00-0072 Paint Interior Plaster/Drywall Walls, Acoustic Texture (09 91 23 00-0056)</b>		
09 91 23 00-0073 SF Paint Interior Plaster/Drywall Walls, Acoustic Texture, 1 Coat Primer, Sprayed.....	0.42	
For Up To 100, Add	0.21	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 23 00-0074 SF Paint Interior Plaster/Drywall Walls, Acoustic Texture, 1 Coat Finish, Sprayed.....	0.50	
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
09 91 23 00-0075 SF Paint Interior Plaster/Drywall Walls, Acoustic Texture, 2 Coats Finish, Sprayed .....	0.79	
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0076 SF Paint Interior Plaster/Drywall Walls, Stipple Finish (Drippowder).....	0.75	
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
<b>09 91 23 00-0077 Paint Interior Metal Walls (09 91 23 00-0001)</b>		
<b>09 91 23 00-0078 Paint Interior Galvanized Walls (09 91 23 00-0077)</b>		
Note: Linseed oil or acrylic latex paint.		

**09 Finishes****09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0079 SF Paint Interior Galvanized Wall Surfaces, 1 Coat Primer, Brush Work.....	0.60	
For Electrostatic Painting, Add	0.09	
For Up To 100, Add	0.34	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0080 SF Paint Interior Galvanized Wall Surfaces, 1 Coat Paint, Brush Work .....	0.66	
For Electrostatic Painting, Add	0.09	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 23 00-0081 SF Paint Interior Galvanized Wall Surfaces, 2 Coats Paint, Brush Work.....	1.21	
For Electrostatic Painting, Add	0.18	
For Up To 100, Add	0.67	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 23 00-0082 SF Paint Interior Galvanized Walls, 1 Coat Primer, Brush/Roller Work.....	0.46	
For Electrostatic Painting, Add	0.07	
For Up To 100, Add	0.25	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 23 00-0083 SF Paint Interior Galvanized Wall , 1 Coat Paint, Brush/Roller Work .....	0.52	
For Electrostatic Painting, Add	0.08	
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
09 91 23 00-0084 SF Paint Interior Galvanized Walls, 2 Coats Paint, Brush/Roller Work.....	0.98	
For Electrostatic Painting, Add	0.15	
For Up To 100, Add	0.53	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 23 00-0085 SF Paint Interior Galvanized Walls, 1 Coat Primer, Sprayed.....	0.40	
For Electrostatic Painting, Add	0.07	
For Up To 100, Add	0.17	
For >100 To 250, Add	0.09	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 23 00-0086 SF Paint Interior Galvanized Walls, 1 Coat Paint, Sprayed.....	0.51	
For Electrostatic Painting, Add	0.08	
For Up To 100, Add	0.25	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
09 91 23 00-0087 SF Paint Interior Galvanized Walls, 2 Coats Paint, Sprayed .....	0.87	
For Electrostatic Painting, Add	0.15	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	

09 91 23 00-0088 Paint Interior Aluminum And Aluminum Alloy Walls (09 91 23 00-0077)

Note: Alkyd enamel paint.



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0089 SF Paint Interior Aluminum And Aluminum Alloy Wall Surfaces, 1 Coat Primer, Brush Work.....	0.60	
For Electrostatic Painting, Add	0.09	
For Up To 100, Add	0.34	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0090 SF Paint Interior Aluminum And Aluminum Alloy Wall Surfaces, 1 Coat Paint, Brush Work.....	0.66	
For Electrostatic Painting, Add	0.09	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 23 00-0091 SF Paint Interior Aluminum And Aluminum Alloy Wall Surfaces, 2 Coats Paint, Brush Work.....	1.21	
For Electrostatic Painting, Add	0.18	
For Up To 100, Add	0.67	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 23 00-0092 SF Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Primer, Brush/Roller Work.....	0.51	
For Electrostatic Painting, Add	0.08	
For Up To 100, Add	0.25	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
09 91 23 00-0093 SF Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Paint, Brush/Roller Work.....	0.57	
For Electrostatic Painting, Add	0.09	
For Up To 100, Add	0.30	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.11	
09 91 23 00-0094 SF Paint Interior Aluminum And Aluminum Alloy Walls, 2 Coats Paint, Brush/Roller Work.....	1.09	
For Electrostatic Painting, Add	0.18	
For Up To 100, Add	0.55	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.22	
09 91 23 00-0095 SF Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Primer, Sprayed.....	0.44	
For Electrostatic Painting, Add	0.08	
For Up To 100, Add	0.20	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 23 00-0096 SF Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Paint, Sprayed.....	0.51	
For Electrostatic Painting, Add	0.08	
For Up To 100, Add	0.25	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
09 91 23 00-0097 SF Paint Interior Aluminum And Aluminum Alloy Walls, 2 Coats Paint, Sprayed.....	0.87	
For Electrostatic Painting, Add	0.15	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	

09 91 23 00-0098 Paint Interior Corrugated Metal Walls (09 91 23 00-0077)

**09 Finishes**

**09 90 Painting And Coating**

**09 91 Painting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0099	SF		Paint Interior Corrugated Metal Walls, 1 Coat Primer, Sprayed.....	0.50	
			<i>For Electrostatic Painting, Add</i>	0.09	
			<i>For Up To 100, Add</i>	0.22	
			<i>For &gt;100 To 250, Add</i>	0.11	
			<i>For &gt;250 To 500, Add</i>	0.05	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.05	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.08	
			<i>For &gt;20,000, Deduct</i>	-0.10	
09 91 23 00-0100	SF		Paint Interior Corrugated Metal Walls, 1 Coat Paint, Sprayed.....	0.65	
			<i>For Electrostatic Painting, Add</i>	0.10	
			<i>For Up To 100, Add</i>	0.33	
			<i>For &gt;100 To 250, Add</i>	0.16	
			<i>For &gt;250 To 500, Add</i>	0.07	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.10	
			<i>For &gt;20,000, Deduct</i>	-0.13	
09 91 23 00-0101	SF		Paint Interior Corrugated Metal Walls, 2 Coats Paint, Sprayed .....	1.08	
			<i>For Electrostatic Painting, Add</i>	0.18	
			<i>For Up To 100, Add</i>	0.50	
			<i>For &gt;100 To 250, Add</i>	0.25	
			<i>For &gt;250 To 500, Add</i>	0.11	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.11	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.16	
			<i>For &gt;20,000, Deduct</i>	-0.22	
<b>09 91 23 00-0102 Paint Interior Stucco Walls</b> <small>(09 91 23 00-0001)</small>					
09 91 23 00-0103	SF		Paint Interior Stucco Wall Surfaces, 1 Coat Primer, Brush Work.....	0.77	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.50	
			<i>For &gt;100 To 250, Add</i>	0.24	
			<i>For &gt;250 To 500, Add</i>	0.10	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.08	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.12	
			<i>For &gt;20,000, Deduct</i>	-0.15	
09 91 23 00-0104	SF		Paint Interior Stucco Wall Surfaces, 1 Coat Paint, Brush Work .....	0.84	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.54	
			<i>For &gt;100 To 250, Add</i>	0.26	
			<i>For &gt;250 To 500, Add</i>	0.11	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.08	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.13	
			<i>For &gt;20,000, Deduct</i>	-0.17	
09 91 23 00-0105	SF		Paint Interior Stucco Wall Surfaces, 2 Coats Paint, Brush Work .....	1.51	
			<i>For Oil Based Paint, Add</i>	0.09	
			<i>For Up To 100, Add</i>	0.95	
			<i>For &gt;100 To 250, Add</i>	0.45	
			<i>For &gt;250 To 500, Add</i>	0.20	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.08	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.15	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.23	
			<i>For &gt;20,000, Deduct</i>	-0.30	
09 91 23 00-0106	SF		Paint Interior Stucco Walls, 1 Coat Primer, Brush/Roller Work.....	0.59	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Up To 100, Add</i>	0.36	
			<i>For &gt;100 To 250, Add</i>	0.17	
			<i>For &gt;250 To 500, Add</i>	0.08	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.09	
			<i>For &gt;20,000, Deduct</i>	-0.12	
09 91 23 00-0107	SF		Paint Interior Stucco Walls, 1 Coat Paint, Brush/Roller Work .....	0.67	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Up To 100, Add</i>	0.41	
			<i>For &gt;100 To 250, Add</i>	0.20	
			<i>For &gt;250 To 500, Add</i>	0.09	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.10	
			<i>For &gt;20,000, Deduct</i>	-0.13	
09 91 23 00-0108	SF		Paint Interior Stucco Walls, 2 Coats Paint, Brush/Roller Work .....	1.23	
			<i>For Oil Based Paint, Add</i>	0.08	
			<i>For Up To 100, Add</i>	0.74	
			<i>For &gt;100 To 250, Add</i>	0.36	
			<i>For &gt;250 To 500, Add</i>	0.15	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.12	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.18	
			<i>For &gt;20,000, Deduct</i>	-0.25	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0109 SF Paint Interior Stucco Walls, 1 Coat Primer, Sprayed .....	0.45	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.25	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 23 00-0110 SF Paint Interior Stucco Walls, 1 Coat Paint, Sprayed.....	0.55	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.30	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 23 00-0111 SF Paint Interior Stucco Walls, 2 Coats Paint, Sprayed .....	1.07	
For Oil Based Paint, Add	0.07	
For Up To 100, Add	0.60	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
<b>09 91 23 00-0112 Paint Interior Wood Walls (09 91 23 00-0001)</b>		
<b>09 91 23 00-0113 Interior Wood Walls (09 91 23 00-0112)</b>		
09 91 23 00-0114 SF Paint Interior Wood Wall Surfaces, 1 Coat Paint, Brush Work.....	0.58	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0115 SF Paint Interior Wood Wall Surfaces, 2 Coats Paint, Brush Work.....	1.06	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.67	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 23 00-0116 SF Paint Interior Wood Wall Surfaces, 3 Coats Paint, Brush Work.....	1.51	
For Oil Based Paint, Add	0.09	
For Up To 100, Add	0.94	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.30	
09 91 23 00-0117 SF Paint Interior Wood Walls, 1 Coat Primer, Brush/Roller Work .....	0.43	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.26	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.09	
09 91 23 00-0118 SF Paint Interior Wood Walls, 1 Coat Paint, Brush/Roller Work.....	0.48	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.10	
09 91 23 00-0119 SF Paint Interior Wood Walls, 2 Coats Paint, Brush/Roller Work.....	0.84	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	



**09 Finishes**

**09 90 Painting And Coating**

**09 91 Painting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0120	SF		Paint Interior Wood Walls, 1 Coat Primer, Sprayed .....	0.32	
			For Oil Based Paint, Add	0.02	
			For Up To 100, Add	0.16	
			For >100 To 250, Add	0.08	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.06	
09 91 23 00-0121	SF		Paint Interior Wood Walls, 1 Coat Paint, Sprayed .....	0.42	
			For Oil Based Paint, Add	0.03	
			For Up To 100, Add	0.23	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	
09 91 23 00-0122	SF		Paint Interior Wood Walls, 2 Coats Paint, Sprayed.....	0.76	
			For Oil Based Paint, Add	0.05	
			For Up To 100, Add	0.39	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
<b>09 91 23 00-0123</b>			<b>Paint Interior Ceilings</b> <small>(09 91 23)</small>		
<b>09 91 23 00-0124</b>			<b>Paint Interior Acoustical Ceilings</b> <small>(09 91 23 00-0123)</small>		
			Note: Includes grid.		
09 91 23 00-0125	SF		Paint Interior Acoustical Ceiling, 1 Coat Primer, Brush Work.....	0.52	
			For Oil Based Paint, Add	0.03	
			For Up To 100, Add	0.32	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.10	
09 91 23 00-0126	SF		Paint Interior Acoustical Ceiling, 1 Coat Paint, Brush Work.....	0.56	
			For Oil Based Paint, Add	0.03	
			For Up To 100, Add	0.37	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
09 91 23 00-0127	SF		Paint Interior Acoustical Ceiling, 2 Coats Paint, Brush Work .....	0.99	
			For Oil Based Paint, Add	0.06	
			For Up To 100, Add	0.64	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 23 00-0128	SF		Paint Interior Acoustical Ceiling, 1 Coat Primer, Brush/Roller Work .....	0.45	
			For Oil Based Paint, Add	0.03	
			For Up To 100, Add	0.27	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91 23 00-0129	SF		Paint Interior Acoustical Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.44	
			For Oil Based Paint, Add	0.03	
			For Up To 100, Add	0.28	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91 23 00-0130	SF		Paint Interior Acoustical Ceiling, 2 Coats Paint, Brush/Roller Work.....	0.81	
			For Oil Based Paint, Add	0.05	
			For Up To 100, Add	0.51	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0131 SF Paint Interior Acoustical Ceiling, 1 Coat Primer, Sprayed.....	0.42	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.24	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 23 00-0132 SF Paint Interior Acoustical Ceiling, 1 Coat Paint, Sprayed.....	0.40	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 23 00-0133 SF Paint Interior Acoustical Ceiling, 2 Coats Paint, Sprayed.....	0.65	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.36	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
<b>09 91 23 00-0134 Paint Interior Concrete Ceilings (09 91 23 00-0123)</b>		
09 91 23 00-0135 SF Paint Interior Concrete Ceiling, 1 Coat Filler, Brush Work.....	0.52	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.32	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
09 91 23 00-0136 SF Paint Interior Concrete Ceiling, 1 Coat Paint, Brush Work.....	0.56	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.37	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 23 00-0137 SF Paint Interior Concrete Ceiling, 2 Coats Paint, Brush Work.....	0.99	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.10	
For Up To 100, Add	0.64	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 23 00-0138 SF Paint Interior Concrete Ceiling, 1 Coat Filler, Brush/Roller Work.....	0.41	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.24	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 23 00-0139 SF Paint Interior Concrete Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.44	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.28	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	

**09 Finishes****09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0140 SF Paint Interior Concrete Ceiling, 2 Coats Paint, Brush/Roller Work.....	0.81	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.09	
For Up To 100, Add	0.51	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0141 SF Paint Interior Concrete Ceiling, 1 Coat Filler, Sprayed.....	0.40	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.22	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 23 00-0142 SF Paint Interior Concrete Ceiling, 1 Coat Paint, Sprayed .....	0.40	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 23 00-0143 SF Paint Interior Concrete Ceiling, 2 Coats Paint, Sprayed .....	0.63	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.09	
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.13	
09 91 23 00-0144 SF Paint Interior Concrete Ceiling, 1 Coat Bonding Agent, Brush Work.....	0.54	
For Up To 100, Add	0.33	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 23 00-0145 SF Paint Interior Concrete Ceiling, 1 Coat Bonding Agent, Brush/Roller.....	0.43	
For Up To 100, Add	0.24	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.09	
09 91 23 00-0146 SF Paint Interior Concrete Ceiling, 1 Coat Bonding Agent, Sprayed.....	0.42	
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
<b>09 91 23 00-0147 Paint Interior Drywall/Plaster Ceilings (09 91 23 00-0123)</b>		
09 91 23 00-0148 SF Paint Interior Drywall/Plaster Ceiling, 1 Coat Primer, Brush Work .....	0.52	
For Epoxy Paint, Add	0.06	
For Oil Based Paint, Add	0.03	
For Orange Peel Finish, Add	0.07	
For Up To 100, Add	0.32	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	



		<b>Finishes</b>	<b>09</b>
		Painting And Coating	09 90
		Painting	09 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0149 SF Paint Interior Drywall/Plaster Ceiling, 1 Coat Paint, Brush Work .....	0.56	
For Epoxy Paint, Add	0.06	
For Oil Based Paint, Add	0.03	
For Orange Peel Finish, Add	0.08	
For Up To 100, Add	0.37	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 23 00-0150 SF Paint Interior Drywall/Plaster Ceiling, 2 Coats Paint, Brush Work.....	0.99	
For Epoxy Paint, Add	0.10	
For Oil Based Paint, Add	0.06	
For Orange Peel Finish, Add	0.14	
For Up To 100, Add	0.64	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 23 00-0151 SF Paint Interior Drywall/Plaster Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.45	
For Epoxy Paint, Add	0.06	
For Oil Based Paint, Add	0.03	
For Orange Peel Finish, Add	0.06	
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 23 00-0152 SF Paint Interior Drywall/Plaster Ceiling, 1 Coat Paint, Brush/Roller Work .....	0.44	
For Epoxy Paint, Add	0.05	
For Oil Based Paint, Add	0.03	
For Orange Peel Finish, Add	0.06	
For Up To 100, Add	0.28	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 23 00-0153 SF Paint Interior Drywall/Plaster Ceiling, 2 Coats Paint, Brush/Roller Work .....	0.81	
For Epoxy Paint, Add	0.09	
For Oil Based Paint, Add	0.05	
For Orange Peel Finish, Add	0.11	
For Up To 100, Add	0.51	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 23 00-0154 SF Paint Interior Drywall/Plaster Ceiling, 1 Coat Primer, Sprayed .....	0.42	
For Epoxy Paint, Add	0.06	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.24	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 23 00-0155 SF Paint Interior Drywall/Plaster Ceiling, 1 Coat Paint, Sprayed.....	0.40	
For Epoxy Paint, Add	0.05	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 23 00-0156 SF Paint Interior Drywall/Plaster Ceiling, 2 Coats Paint, Sprayed.....	0.65	
For Epoxy Paint, Add	0.10	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.36	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	

## 09 Finishes

## 09 90 Painting And Coating

## 09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0157			Paint Interior Metal Ceilings (09 91 23 00-0123)		
09 91 23 00-0158			Galvanized Surfaces, Galvanized Primer (09 91 23 00-0157)		
			Note: Linseed oil or acrylic latex paint.		
09 91 23 00-0159	SF		Paint Interior Galvanized Ceiling, 1 Coat Primer, Brush Work.....	0.66	
			For Electrostatic Painting, Add	0.09	
			For Up To 100, Add	0.38	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 23 00-0160	SF		Paint Interior Galvanized Ceiling, 1 Coat Paint, Brush Work.....	0.71	
			For Electrostatic Painting, Add	0.10	
			For Up To 100, Add	0.42	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	
09 91 23 00-0161	SF		Paint Interior Galvanized Ceiling, 2 Coats Paint, Brush Work.....	1.32	
			For Electrostatic Painting, Add	0.19	
			For Up To 100, Add	0.76	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.26	
09 91 23 00-0162	SF		Paint Interior Galvanized Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.51	
			For Electrostatic Painting, Add	0.08	
			For Up To 100, Add	0.29	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.10	
09 91 23 00-0163	SF		Paint Interior Galvanized Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.57	
			For Electrostatic Painting, Add	0.08	
			For Up To 100, Add	0.33	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.11	
09 91 23 00-0164	SF		Paint Interior Galvanized Ceiling, 2 Coats Paint, Brush/Roller Work.....	1.06	
			For Electrostatic Painting, Add	0.15	
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 23 00-0165	SF		Paint Interior Galvanized Ceiling, 1 Coat Primer, Sprayed.....	0.51	
			For Electrostatic Painting, Add	0.08	
			For Up To 100, Add	0.25	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.10	
09 91 23 00-0166	SF		Paint Interior Galvanized Ceiling, 1 Coat Paint, Sprayed.....	0.57	
			For Electrostatic Painting, Add	0.09	
			For Up To 100, Add	0.30	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.11	
09 91 23 00-0167	SF		Paint Interior Galvanized Ceiling, 2 Coats Paint, Sprayed.....	0.95	
			For Electrostatic Painting, Add	0.16	
			For Up To 100, Add	0.44	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>09 91 23 00-0168 Aluminum And Aluminum Alloy Surface Pretreatment Primer</b> <small>(09 91 23 00-0157)</small>		
<i>Note: Alkyd enamel paint.</i>		
09 91 23 00-0169 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush Work.....	0.66	
<i>For Electrostatic Painting, Add</i>	<i>0.09</i>	
<i>For Up To 100, Add</i>	<i>0.38</i>	
<i>For &gt;100 To 250, Add</i>	<i>0.18</i>	
<i>For &gt;250 To 500, Add</i>	<i>0.08</i>	
<i>For &gt;2,500 To 5,000, Deduct</i>	<i>-0.03</i>	
<i>For &gt;5,000 To 10,000, Deduct</i>	<i>-0.07</i>	
<i>For &gt;10,000 To 20,000, Deduct</i>	<i>-0.10</i>	
<i>For &gt;20,000, Deduct</i>	<i>-0.13</i>	
09 91 23 00-0170 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush Work .....	0.71	
<i>For Electrostatic Painting, Add</i>	<i>0.10</i>	
<i>For Up To 100, Add</i>	<i>0.42</i>	
<i>For &gt;100 To 250, Add</i>	<i>0.20</i>	
<i>For &gt;250 To 500, Add</i>	<i>0.09</i>	
<i>For &gt;2,500 To 5,000, Deduct</i>	<i>-0.04</i>	
<i>For &gt;5,000 To 10,000, Deduct</i>	<i>-0.07</i>	
<i>For &gt;10,000 To 20,000, Deduct</i>	<i>-0.11</i>	
<i>For &gt;20,000, Deduct</i>	<i>-0.14</i>	
09 91 23 00-0171 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush Work.....	1.32	
<i>For Electrostatic Painting, Add</i>	<i>0.19</i>	
<i>For Up To 100, Add</i>	<i>0.76</i>	
<i>For &gt;100 To 250, Add</i>	<i>0.36</i>	
<i>For &gt;250 To 500, Add</i>	<i>0.16</i>	
<i>For &gt;2,500 To 5,000, Deduct</i>	<i>-0.07</i>	
<i>For &gt;5,000 To 10,000, Deduct</i>	<i>-0.13</i>	
<i>For &gt;10,000 To 20,000, Deduct</i>	<i>-0.20</i>	
<i>For &gt;20,000, Deduct</i>	<i>-0.26</i>	
09 91 23 00-0172 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.57	
<i>For Electrostatic Painting, Add</i>	<i>0.09</i>	
<i>For Up To 100, Add</i>	<i>0.30</i>	
<i>For &gt;100 To 250, Add</i>	<i>0.14</i>	
<i>For &gt;250 To 500, Add</i>	<i>0.06</i>	
<i>For &gt;2,500 To 5,000, Deduct</i>	<i>-0.03</i>	
<i>For &gt;5,000 To 10,000, Deduct</i>	<i>-0.06</i>	
<i>For &gt;10,000 To 20,000, Deduct</i>	<i>-0.09</i>	
<i>For &gt;20,000, Deduct</i>	<i>-0.11</i>	
09 91 23 00-0173 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.63	
<i>For Electrostatic Painting, Add</i>	<i>0.10</i>	
<i>For Up To 100, Add</i>	<i>0.34</i>	
<i>For &gt;100 To 250, Add</i>	<i>0.17</i>	
<i>For &gt;250 To 500, Add</i>	<i>0.07</i>	
<i>For &gt;2,500 To 5,000, Deduct</i>	<i>-0.03</i>	
<i>For &gt;5,000 To 10,000, Deduct</i>	<i>-0.06</i>	
<i>For &gt;10,000 To 20,000, Deduct</i>	<i>-0.09</i>	
<i>For &gt;20,000, Deduct</i>	<i>-0.13</i>	
09 91 23 00-0174 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush/Roller Work.....	1.21	
<i>For Electrostatic Painting, Add</i>	<i>0.19</i>	
<i>For Up To 100, Add</i>	<i>0.64</i>	
<i>For &gt;100 To 250, Add</i>	<i>0.31</i>	
<i>For &gt;250 To 500, Add</i>	<i>0.14</i>	
<i>For &gt;2,500 To 5,000, Deduct</i>	<i>-0.06</i>	
<i>For &gt;5,000 To 10,000, Deduct</i>	<i>-0.12</i>	
<i>For &gt;10,000 To 20,000, Deduct</i>	<i>-0.18</i>	
<i>For &gt;20,000, Deduct</i>	<i>-0.24</i>	
09 91 23 00-0175 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Sprayed.....	0.51	
<i>For Electrostatic Painting, Add</i>	<i>0.08</i>	
<i>For Up To 100, Add</i>	<i>0.25</i>	
<i>For &gt;100 To 250, Add</i>	<i>0.12</i>	
<i>For &gt;250 To 500, Add</i>	<i>0.05</i>	
<i>For &gt;2,500 To 5,000, Deduct</i>	<i>-0.03</i>	
<i>For &gt;5,000 To 10,000, Deduct</i>	<i>-0.05</i>	
<i>For &gt;10,000 To 20,000, Deduct</i>	<i>-0.08</i>	
<i>For &gt;20,000, Deduct</i>	<i>-0.10</i>	
09 91 23 00-0176 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Sprayed.....	0.57	
<i>For Electrostatic Painting, Add</i>	<i>0.09</i>	
<i>For Up To 100, Add</i>	<i>0.30</i>	
<i>For &gt;100 To 250, Add</i>	<i>0.14</i>	
<i>For &gt;250 To 500, Add</i>	<i>0.06</i>	
<i>For &gt;2,500 To 5,000, Deduct</i>	<i>-0.03</i>	
<i>For &gt;5,000 To 10,000, Deduct</i>	<i>-0.06</i>	
<i>For &gt;10,000 To 20,000, Deduct</i>	<i>-0.09</i>	
<i>For &gt;20,000, Deduct</i>	<i>-0.11</i>	
09 91 23 00-0177 SF Paint Interior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Sprayed.....	0.95	
<i>For Electrostatic Painting, Add</i>	<i>0.16</i>	
<i>For Up To 100, Add</i>	<i>0.44</i>	
<i>For &gt;100 To 250, Add</i>	<i>0.22</i>	
<i>For &gt;250 To 500, Add</i>	<i>0.10</i>	
<i>For &gt;2,500 To 5,000, Deduct</i>	<i>-0.05</i>	
<i>For &gt;5,000 To 10,000, Deduct</i>	<i>-0.10</i>	
<i>For &gt;10,000 To 20,000, Deduct</i>	<i>-0.14</i>	
<i>For &gt;20,000, Deduct</i>	<i>-0.19</i>	

## 09 Finishes

## 09 90 Painting And Coating

## 09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0178			<b>Paint Interior Ceiling Tile Grid</b> (09 91 23 00-0157) Note: Grid only.		
09 91 23 00-0179	LF		Paint Interior Ceiling Tile Grid, 1 Coat Paint, Brush/Roller Work.....	0.14	
			For Electrostatic Painting, Add	0.02	
			For Up To 100, Add	0.09	
			For >100 To 250, Add	0.04	
			For >250 To 500, Add	0.02	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.01	
			For >10,000 To 20,000, Deduct	-0.02	
			For >20,000, Deduct	-0.03	
09 91 23 00-0180	LF		Paint Interior Ceiling Tile Grid, 2 Coats Paint, Brush/Roller Work.....	0.27	
			For Electrostatic Painting, Add	0.04	
			For Up To 100, Add	0.17	
			For >100 To 250, Add	0.08	
			For >250 To 500, Add	0.03	
			For >2,500 To 5,000, Deduct	-0.01	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.04	
			For >20,000, Deduct	-0.05	
09 91 23 00-0181			<b>Paint Interior Corrugated Metal Ceilings</b> (09 91 23 00-0157)		
09 91 23 00-0182	SF		Paint Interior Corrugated Metal Ceiling, 1 Coat Primer, Sprayed.....	0.69	
			For Electrostatic Painting, Add	0.11	
			For Up To 100, Add	0.34	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.14	
09 91 23 00-0183	SF		Paint Interior Corrugated Metal Ceiling, 1 Coat Paint, Sprayed.....	0.77	
			For Electrostatic Painting, Add	0.12	
			For Up To 100, Add	0.40	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.15	
09 91 23 00-0184	SF		Paint Interior Corrugated Metal Ceiling, 2 Coats Paint, Sprayed.....	1.28	
			For Electrostatic Painting, Add	0.22	
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.26	
09 91 23 00-0185			<b>Paint Interior Wood Ceilings</b> (09 91 23 00-0123)		
09 91 23 00-0186			<b>Paint Interior Smooth Wood Ceilings</b> (09 91 23 00-0185)		
09 91 23 00-0187	SF		Paint Interior Wood Smooth Ceiling, 1 Coat Primer, Brush Work.....	0.64	
			For Oil Based Paint, Add	0.04	
			For Up To 100, Add	0.39	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 23 00-0188	SF		Paint Interior Wood Smooth Ceiling, 1 Coat Paint, Brush Work.....	0.65	
			For Oil Based Paint, Add	0.04	
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 23 00-0189	SF		Paint Interior Wood Smooth Ceiling, 2 Coats Paint, Brush Work.....	1.19	
			For Oil Based Paint, Add	0.07	
			For Up To 100, Add	0.74	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0190 SF Paint Interior Smooth Wood Ceiling, 1 Coat Primer, Brush/Roller Work.....	0.52	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	
09 91 23 00-0191 SF Paint Interior Smooth Wood Ceiling, 1 Coat Paint, Brush/Roller Work .....	0.56	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.33	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 23 00-0192 SF Paint Interior Smooth Wood Ceiling, 2 Coats Paint, Brush/Roller Work .....	1.06	
For Oil Based Paint, Add	0.07	
For Up To 100, Add	0.62	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 23 00-0193 SF Paint Interior Smooth Wood Ceiling, 1 Coat Primer, Sprayed.....	0.42	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.24	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 23 00-0194 SF Paint Interior Smooth Wood Ceiling, 1 Coat Paint, Sprayed.....	0.49	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.10	
09 91 23 00-0195 SF Paint Interior Smooth Wood Ceiling, 2 Coats Paint, Sprayed.....	0.76	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
<b>09 91 23 00-0196 Paint Interior Wood Beams (09 91 23 00-0123)</b> .....	<b>0.69</b>	
09 91 23 00-0197 SF Paint Interior Wood Beams, 1 Coat Primer, Brush Work .....	0.69	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.43	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
09 91 23 00-0198 SF Paint Interior Wood Beams, 1 Coat Paint, Brush Work.....	0.70	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.45	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 23 00-0199 SF Paint Interior Wood Beams, 2 Coats Paint, Brush Work.....	1.29	
For Oil Based Paint, Add	0.08	
For Up To 100, Add	0.81	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.26	



**09 Finishes****09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0200	SF		Paint Interior Wood Beams, 1 Coat Primer, Brush/Roller Work.....	0.57	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Up To 100, Add</i>	0.33	
			<i>For &gt;100 To 250, Add</i>	0.16	
			<i>For &gt;250 To 500, Add</i>	0.07	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.09	
			<i>For &gt;20,000, Deduct</i>	-0.11	
09 91 23 00-0201	SF		Paint Interior Wood Beams, 1 Coat Paint, Brush/Roller Work.....	0.56	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Up To 100, Add</i>	0.33	
			<i>For &gt;100 To 250, Add</i>	0.16	
			<i>For &gt;250 To 500, Add</i>	0.07	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.08	
			<i>For &gt;20,000, Deduct</i>	-0.11	
09 91 23 00-0202	SF		Paint Interior Wood Beams, 2 Coats Paint, Brush/Roller Work.....	1.06	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Up To 100, Add</i>	0.62	
			<i>For &gt;100 To 250, Add</i>	0.30	
			<i>For &gt;250 To 500, Add</i>	0.13	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.11	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.16	
			<i>For &gt;20,000, Deduct</i>	-0.21	
09 91 23 00-0203	SF		Paint Interior Wood Beams, 1 Coat Primer, Sprayed.....	0.49	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Up To 100, Add</i>	0.29	
			<i>For &gt;100 To 250, Add</i>	0.14	
			<i>For &gt;250 To 500, Add</i>	0.06	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.02	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.05	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.07	
			<i>For &gt;20,000, Deduct</i>	-0.10	
09 91 23 00-0204	SF		Paint Interior Wood Beams, 1 Coat Paint, Sprayed.....	0.49	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Up To 100, Add</i>	0.29	
			<i>For &gt;100 To 250, Add</i>	0.14	
			<i>For &gt;250 To 500, Add</i>	0.06	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.02	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.05	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.07	
			<i>For &gt;20,000, Deduct</i>	-0.10	
09 91 23 00-0205	SF		Paint Interior Wood Beams, 2 Coats Paint, Sprayed.....	0.83	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.47	
			<i>For &gt;100 To 250, Add</i>	0.23	
			<i>For &gt;250 To 500, Add</i>	0.10	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.08	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.12	
			<i>For &gt;20,000, Deduct</i>	-0.17	
09 91 23 00-0206			Paint Interior Floors And Decks <small>(09 91 23)</small>		
09 91 23 00-0207			Paint Interior Concrete Floors And Decks <small>(09 91 23 00-0206)</small>		
09 91 23 00-0208	SF		Paint Interior Concrete Floors And Decks, 1 Coat Primer, Brush Work.....	0.41	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Epoxy Paint, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.24	
			<i>For &gt;100 To 250, Add</i>	0.12	
			<i>For &gt;250 To 500, Add</i>	0.05	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.02	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.04	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.06	
			<i>For &gt;20,000, Deduct</i>	-0.08	
09 91 23 00-0209	SF		Paint Interior Concrete Floors And Decks, 1 Coat Paint, Brush Work.....	0.44	
			<i>For Oil Based Paint, Add</i>	0.03	
			<i>For Epoxy Paint, Add</i>	0.05	
			<i>For Up To 100, Add</i>	0.28	
			<i>For &gt;100 To 250, Add</i>	0.13	
			<i>For &gt;250 To 500, Add</i>	0.06	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.02	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.04	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.07	
			<i>For &gt;20,000, Deduct</i>	-0.09	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0210 SF Paint Interior Concrete Floors And Decks, 2 Coats Paint, Brush Work.....	0.85	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.09	
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 23 00-0211 SF Paint Interior Concrete Floors And Decks, 1 Coat Primer, Brush/Roller Work.....	0.40	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 23 00-0212 SF Paint Interior Concrete Floors And Decks, 1 Coat Paint, Brush/Roller Work.....	0.39	
For Oil Based Paint, Add	0.02	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.24	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 23 00-0213 SF Paint Interior Concrete Floors And Decks, 2 Coats Paint, Brush/Roller Work.....	0.63	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.08	
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.13	
09 91 23 00-0214 SF Paint Interior Concrete Floors And Decks, 1 Coat Primer, Sprayed.....	0.32	
For Oil Based Paint, Add	0.02	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.16	
For >100 To 250, Add	0.08	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.06	
09 91 23 00-0215 SF Paint Interior Concrete Floors And Decks, 1 Coat Paint, Sprayed.....	0.33	
For Oil Based Paint, Add	0.02	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.18	
For >100 To 250, Add	0.09	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.07	
09 91 23 00-0216 SF Paint Interior Concrete Floors And Decks, 2 Coats Paint, Sprayed.....	0.57	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.09	
For Up To 100, Add	0.30	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.11	
09 91 23 00-0217 SF Paint Interior Concrete Floors And Decks, 1 Coat Bonding Agent, Brush.....	0.43	
For Up To 100, Add	0.24	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.09	
09 91 23 00-0218 SF Paint Interior Concrete Floors And Decks, 1 Coat Bonding Agent, Brush/Roller Work.....	0.42	
For Up To 100, Add	0.24	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	

**09 Finishes****09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0219	SF		Paint Interior Concrete Floors And Decks, 1 Coat Bonding Agent, Sprayed.....	0.34	
			For Up To 100, Add	0.17	
			For >100 To 250, Add	0.08	
			For >250 To 500, Add	0.04	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 20,000, Deduct	-0.05	
			For >20,000, Deduct	-0.07	
09 91 23 00-0220	SF		Paint Interior Concrete Floors And Decks, 1 Coat Non Slip Paint, Brush Work.....	1.24	
			For Up To 100, Add	0.40	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	
09 91 23 00-0221	SF		Paint Interior Concrete Floors And Decks, 1 Coat Non Slip Epoxy Coating, Brush Work (Rust-Oleum® AS91864251).....	3.68	
			For Up To 100, Add	0.76	
			For >100 To 250, Add	0.46	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.18	
			For >5,000 To 10,000, Deduct	-0.37	
			For >10,000 To 20,000, Deduct	-0.55	
			For >20,000, Deduct	-0.74	
<b>09 91 23 00-0222</b>			<b>Paint Interior Wood Floors And Decks</b> (09 91 23 00-0206)		
09 91 23 00-0223	SF		Paint Interior Wood Floors And Decks, 1 Coat Primer, Brush Work .....	0.50	
			For Oil Based Paint, Add	0.03	
			For Up To 100, Add	0.29	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.10	
09 91 23 00-0224	SF		Paint Interior Wood Floors And Decks, 1 Coat Paint, Brush Work.....	0.54	
			For Oil Based Paint, Add	0.03	
			For Up To 100, Add	0.33	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
09 91 23 00-0225	SF		Paint Interior Wood Floors And Decks, 2 Coats Paint, Brush Work.....	1.02	
			For Oil Based Paint, Add	0.06	
			For Up To 100, Add	0.61	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 23 00-0226	SF		Paint Interior Wood Floors And Decks, 1 Coat Primer, Brush/Roller Work.....	0.42	
			For Oil Based Paint, Add	0.03	
			For Up To 100, Add	0.21	
			For >100 To 250, Add	0.10	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 20,000, Deduct	-0.06	
			For >20,000, Deduct	-0.08	
09 91 23 00-0227	SF		Paint Interior Wood Floors And Decks, 1 Coat Paint, Brush/Roller Work .....	0.45	
			For Oil Based Paint, Add	0.03	
			For Up To 100, Add	0.25	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91 23 00-0228	SF		Paint Interior Wood Floors And Decks, 2 Coats Paint, Brush/Roller Work.....	0.87	
			For Oil Based Paint, Add	0.06	
			For Up To 100, Add	0.47	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0229 SF Paint Interior Wood Floors And Decks, 1 Coat Primer, Sprayed.....	0.35	
For Oil Based Paint, Add	0.02	
For Up To 100, Add	0.18	
For >100 To 250, Add	0.09	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.07	
09 91 23 00-0230 SF Paint Interior Wood Floors And Decks, 1 Coat Paint, Sprayed.....	0.42	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.24	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 23 00-0231 SF Paint Interior Wood Floors And Decks, 2 Coats Paint, Sprayed.....	0.62	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.31	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 23 00-0232 SF Paint Interior Wood Floors And Decks, 1 Coat Non Slip Paint, Brush Work.....	1.24	
For Up To 100, Add	0.40	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.25	
09 91 23 00-0233 SF Paint Interior Wood Floors And Decks, 1 Coat Non Slip Epoxy Coating, Brush Work.....	3.68	
For Up To 100, Add	0.76	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.18	
For >5,000 To 10,000, Deduct	-0.37	
For >10,000 To 20,000, Deduct	-0.55	
For >20,000, Deduct	-0.74	
<b>09 91 23 00-0234 Paint Interior Doors And Windows (09 91 23)</b>		
<b>09 91 23 00-0235 Paint Interior Door Frames (09 91 23 00-0234)</b>		
09 91 23 00-0236 LF Paint Interior Wood Door Frame And Trim, 1 Coat Primer, Brush/Roller Work.....	0.57	
For Oil Based Paint, Add	0.03	
For Painting One Face Of Frame Only, Deduct	-0.15	
09 91 23 00-0237 LF Paint Interior Wood Door Frame And Trim, 1 Coat Paint, Brush/Roller Work.....	0.74	
For Oil Based Paint, Add	0.04	
For Painting One Face Of Frame Only, Deduct	-0.20	
09 91 23 00-0238 LF Paint Interior Wood Door Frame And Trim, 2 Coats Paint, Brush/Roller Work.....	1.26	
For Oil Based Paint, Add	0.07	
For Painting One Face Of Frame Only, Deduct	-0.33	
09 91 23 00-0239 LF Paint Interior Metal Door Frame And Trim, 1 Coat Primer, Brush/Roller Work.....	0.59	
For Oil Based Paint, Add	0.03	
For Painting One Face Of Frame Only, Deduct	-0.16	
09 91 23 00-0240 LF Paint Interior Metal Door Frame And Trim, 1 Coat Paint, Brush/Roller Work.....	0.76	
For Oil Based Paint, Add	0.04	
For Painting One Face Of Frame Only, Deduct	-0.20	
09 91 23 00-0241 LF Paint Interior Metal Door Frame And Trim, 2 Coats Paint, Brush/Roller Work.....	1.28	
For Oil Based Paint, Add	0.07	
For Painting One Face Of Frame Only, Deduct	-0.34	
<b>09 91 23 00-0242 Paint Interior Metal Doors (09 91 23 00-0234)</b>		
09 91 23 00-0243 EA Paint Interior Metal Door, One Face, 1 Coat Primer, Brush/Roller Work.....	30.10	
For Electrostatic Painting, Add	4.99	
For Half Louvered Door, Add	2.53	
For Full Louvered Door, Add	4.22	
For Oil Based Paint, Add	2.17	
For >5 To 10, Deduct	-1.51	
For >10 To 25, Deduct	-3.01	
For >25, Deduct	-4.52	
09 91 23 00-0244 EA Paint Interior Metal Door, One Face, 1 Coat Paint, Brush/Roller Work.....	30.10	
For Electrostatic Painting, Add	4.99	
For Half Louvered Door, Add	2.53	
For Full Louvered Door, Add	4.22	
For Oil Based Paint, Add	2.17	
For >5 To 10, Deduct	-1.51	
For >10 To 25, Deduct	-3.01	
For >25, Deduct	-4.52	

**09 Finishes**

**09 90 Painting And Coating**

**09 91 Painting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	23 00-0245	EA	Paint Interior Metal Door, One Face, 2 Coats Paint, Brush/Roller Work.....	54.78	
			<i>For Electrostatic Painting, Add</i>	9.42	
			<i>For Half Louvered Door, Add</i>	4.28	
			<i>For Full Louvered Door, Add</i>	7.13	
			<i>For Oil Based Paint, Add</i>	4.05	
			<i>For &gt;5 To 10, Deduct</i>	-2.74	
			<i>For &gt;10 To 25, Deduct</i>	-5.48	
			<i>For &gt;25, Deduct</i>	-8.22	
09 91	23 00-0246	EA	Paint Interior Metal Door, Both Faces, 1 Coat Primer, Brush/Roller Work.....	54.03	
			<i>For Electrostatic Painting, Add</i>	8.97	
			<i>For Half Louvered Door, Add</i>	4.54	
			<i>For Full Louvered Door, Add</i>	7.57	
			<i>For Oil Based Paint, Add</i>	3.89	
			<i>For &gt;5 To 10, Deduct</i>	-2.70	
			<i>For &gt;10 To 25, Deduct</i>	-5.40	
			<i>For &gt;25, Deduct</i>	-8.10	
09 91	23 00-0247	EA	Paint Interior Metal Door, Both Faces, 1 Coat Paint, Brush/Roller Work.....	54.04	
			<i>For Electrostatic Painting, Add</i>	8.97	
			<i>For Half Louvered Door, Add</i>	4.54	
			<i>For Full Louvered Door, Add</i>	7.57	
			<i>For Oil Based Paint, Add</i>	3.89	
			<i>For &gt;5 To 10, Deduct</i>	-2.70	
			<i>For &gt;10 To 25, Deduct</i>	-5.40	
			<i>For &gt;25, Deduct</i>	-8.11	
09 91	23 00-0248	EA	Paint Interior Metal Door, Both Faces, 2 Coats Paint, Brush/Roller Work.....	98.73	
			<i>For Electrostatic Painting, Add</i>	17.00	
			<i>For Half Louvered Door, Add</i>	7.68	
			<i>For Full Louvered Door, Add</i>	12.80	
			<i>For Oil Based Paint, Add</i>	7.31	
			<i>For &gt;5 To 10, Deduct</i>	-4.94	
			<i>For &gt;10 To 25, Deduct</i>	-9.87	
			<i>For &gt;25, Deduct</i>	-14.81	
09 91	23 00-0249	EA	Paint Interior Metal Door, One Face, 1 Coat Primer, Sprayed.....	27.04	
			<i>For Electrostatic Painting, Add</i>	4.89	
			<i>For Half Louvered Door, Add</i>	1.87	
			<i>For Full Louvered Door, Add</i>	3.12	
			<i>For Oil Based Paint, Add</i>	2.08	
			<i>For &gt;5 To 10, Deduct</i>	-1.35	
			<i>For &gt;10 To 25, Deduct</i>	-2.70	
			<i>For &gt;25, Deduct</i>	-4.06	
09 91	23 00-0250	EA	Paint Interior Metal Door, One Face, 1 Coat Paint, Sprayed.....	27.04	
			<i>For Electrostatic Painting, Add</i>	4.89	
			<i>For Half Louvered Door, Add</i>	1.87	
			<i>For Full Louvered Door, Add</i>	3.12	
			<i>For Oil Based Paint, Add</i>	2.08	
			<i>For &gt;5 To 10, Deduct</i>	-1.35	
			<i>For &gt;10 To 25, Deduct</i>	-2.70	
			<i>For &gt;25, Deduct</i>	-4.06	
09 91	23 00-0251	EA	Paint Interior Metal Door, One Face, 2 Coats Paint, Sprayed.....	50.00	
			<i>For Electrostatic Painting, Add</i>	9.34	
			<i>For Half Louvered Door, Add</i>	3.16	
			<i>For Full Louvered Door, Add</i>	5.27	
			<i>For Oil Based Paint, Add</i>	3.95	
			<i>For &gt;5 To 10, Deduct</i>	-2.50	
			<i>For &gt;10 To 25, Deduct</i>	-5.00	
			<i>For &gt;25, Deduct</i>	-7.50	
09 91	23 00-0252	EA	Paint Interior Metal Door, Both Faces, 1 Coat Primer, Sprayed.....	48.54	
			<i>For Electrostatic Painting, Add</i>	8.78	
			<i>For Half Louvered Door, Add</i>	3.36	
			<i>For Full Louvered Door, Add</i>	5.60	
			<i>For Oil Based Paint, Add</i>	3.73	
			<i>For &gt;5 To 10, Deduct</i>	-2.43	
			<i>For &gt;10 To 25, Deduct</i>	-4.85	
			<i>For &gt;25, Deduct</i>	-7.28	
09 91	23 00-0253	EA	Paint Interior Metal Door, Both Faces, 1 Coat Paint, Sprayed.....	48.54	
			<i>For Electrostatic Painting, Add</i>	8.78	
			<i>For Half Louvered Door, Add</i>	3.36	
			<i>For Full Louvered Door, Add</i>	5.60	
			<i>For Oil Based Paint, Add</i>	3.73	
			<i>For &gt;5 To 10, Deduct</i>	-2.43	
			<i>For &gt;10 To 25, Deduct</i>	-4.85	
			<i>For &gt;25, Deduct</i>	-7.28	
09 91	23 00-0254	EA	Paint Interior Metal Door, Both Faces, 2 Coats Paint, Sprayed.....	90.18	
			<i>For Electrostatic Painting, Add</i>	16.86	
			<i>For Half Louvered Door, Add</i>	5.69	
			<i>For Full Louvered Door, Add</i>	9.48	
			<i>For Oil Based Paint, Add</i>	7.12	
			<i>For &gt;5 To 10, Deduct</i>	-4.51	
			<i>For &gt;10 To 25, Deduct</i>	-9.02	
			<i>For &gt;25, Deduct</i>	-13.53	

09 91 23 00-0255 Paint Interior Wood Doors (09 91 23 00-0234)



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0256 EA Paint Interior Wood Door, One Face, 1 Coat Primer, Brush/Roller Work.....	26.99	
For Oil Based Paint, Add	1.86	
For Half Louvered Door, Add	2.53	
For Full Louvered Door, Add	4.22	
For >5 To 10, Deduct	-1.35	
For >10 To 25, Deduct	-2.70	
For >25, Deduct	-4.05	
09 91 23 00-0257 EA Paint Interior Wood Door, One Face, 1 Coat Paint, Brush/Roller Work .....	26.99	
For Oil Based Paint, Add	1.86	
For Half Louvered Door, Add	2.53	
For Full Louvered Door, Add	4.22	
For >5 To 10, Deduct	-1.35	
For >10 To 25, Deduct	-2.70	
For >25, Deduct	-4.05	
09 91 23 00-0258 EA Paint Interior Wood Door, One Face, 2 Coats Paint, Brush/Roller Work .....	48.61	
For Oil Based Paint, Add	3.44	
For Half Louvered Door, Add	4.28	
For Full Louvered Door, Add	7.13	
For >5 To 10, Deduct	-2.43	
For >10 To 25, Deduct	-4.86	
For >25, Deduct	-7.29	
09 91 23 00-0259 EA Paint Interior Wood Door, Both Faces, 1 Coat Primer, Brush/Roller Work .....	48.44	
For Oil Based Paint, Add	3.33	
For Half Louvered Door, Add	4.54	
For Full Louvered Door, Add	7.57	
For >5 To 10, Deduct	-2.42	
For >10 To 25, Deduct	-4.84	
For >25, Deduct	-7.27	
09 91 23 00-0260 EA Paint Interior Wood Door, Both Faces, 1 Coat Paint, Brush/Roller Work .....	48.44	
For Oil Based Paint, Add	3.33	
For Half Louvered Door, Add	4.54	
For Full Louvered Door, Add	7.57	
For >5 To 10, Deduct	-2.42	
For >10 To 25, Deduct	-4.84	
For >25, Deduct	-7.27	
09 91 23 00-0261 EA Paint Interior Wood Door, Both Faces, 2 Coats Paint, Brush/Roller Work .....	87.55	
For Oil Based Paint, Add	6.20	
For Half Louvered Door, Add	7.68	
For Full Louvered Door, Add	12.80	
For >5 To 10, Deduct	-4.38	
For >10 To 25, Deduct	-8.76	
For >25, Deduct	-13.13	
09 91 23 00-0262 EA Paint Interior Wood Door, One Face, 1 Coat Primer, Sprayed .....	23.61	
For Oil Based Paint, Add	1.74	
For Half Louvered Door, Add	1.87	
For Full Louvered Door, Add	3.12	
For >5 To 10, Deduct	-1.18	
For >10 To 25, Deduct	-2.36	
For >25, Deduct	-3.54	
09 91 23 00-0263 EA Paint Interior Wood Door, One Face, 1 Coat Paint, Sprayed.....	23.61	
For Oil Based Paint, Add	1.74	
For Half Louvered Door, Add	1.87	
For Full Louvered Door, Add	3.12	
For >5 To 10, Deduct	-1.18	
For >10 To 25, Deduct	-2.36	
For >25, Deduct	-3.54	
09 91 23 00-0264 EA Paint Interior Wood Door, One Face, 2 Coats Paint, Sprayed.....	43.22	
For Oil Based Paint, Add	3.27	
For Half Louvered Door, Add	3.17	
For Full Louvered Door, Add	5.28	
For >5 To 10, Deduct	-2.16	
For >10 To 25, Deduct	-4.32	
For >25, Deduct	-6.48	
09 91 23 00-0265 EA Paint Interior Wood Door, Both Faces, 1 Coat Primer, Sprayed.....	42.39	
For Oil Based Paint, Add	3.12	
For Half Louvered Door, Add	3.36	
For Full Louvered Door, Add	5.60	
For >5 To 10, Deduct	-2.12	
For >10 To 25, Deduct	-4.24	
For >25, Deduct	-6.36	
09 91 23 00-0266 EA Paint Interior Wood Door, Both Faces, 1 Coat Paint, Sprayed .....	42.39	
For Oil Based Paint, Add	3.12	
For Half Louvered Door, Add	3.36	
For Full Louvered Door, Add	5.60	
For >5 To 10, Deduct	-2.12	
For >10 To 25, Deduct	-4.24	
For >25, Deduct	-6.36	
09 91 23 00-0267 EA Paint Interior Wood Door, Both Faces, 2 Coats Paint, Sprayed.....	77.88	
For Oil Based Paint, Add	5.89	
For Half Louvered Door, Add	5.69	
For Full Louvered Door, Add	9.48	
For >5 To 10, Deduct	-3.89	
For >10 To 25, Deduct	-7.79	
For >25, Deduct	-11.68	

**09 Finishes**

**09 90 Painting And Coating**

**09 91 Painting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0268			<b>Paint Interior Metal Windows</b> (09 91 23 00-0234) Note: Two finish coats paint over rust inhibitive primer.		
09 91 23 00-0269	EA		Up To 8 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work.....	46.62	
			For Oil Based Paint, Add	2.77	
			For Electrostatic Painting, Add	5.98	
			For >5 To 10, Deduct	-2.33	
			For >10 To 25, Deduct	-4.66	
			For >25, Deduct	-6.99	
09 91 23 00-0270	EA		>8 To 14 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work .....	57.23	
			For Oil Based Paint, Add	3.54	
			For Electrostatic Painting, Add	7.76	
			For >5 To 10, Deduct	-2.86	
			For >10 To 25, Deduct	-5.72	
			For >25, Deduct	-8.58	
09 91 23 00-0271	EA		>14 To 20 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work .....	77.49	
			For Oil Based Paint, Add	4.84	
			For Electrostatic Painting, Add	10.64	
			For >5 To 10, Deduct	-3.87	
			For >10 To 25, Deduct	-7.75	
			For >25, Deduct	-11.62	
09 91 23 00-0272	EA		>20 To 26 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work .....	87.28	
			For Oil Based Paint, Add	5.45	
			For Electrostatic Painting, Add	12.00	
			For >5 To 10, Deduct	-4.36	
			For >10 To 25, Deduct	-8.73	
			For >25, Deduct	-13.09	
09 91 23 00-0273	EA		>26 To 34 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work .....	96.72	
			For Oil Based Paint, Add	6.03	
			For Electrostatic Painting, Add	13.27	
			For >5 To 10, Deduct	-4.84	
			For >10 To 25, Deduct	-9.67	
			For >25, Deduct	-14.51	
09 91 23 00-0274	SF		>34 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work .....	3.08	
			For Oil Based Paint, Add	0.19	
			For Electrostatic Painting, Add	0.42	
09 91 23 00-0275			<b>Wood Windows</b> (09 91 23 00-0234) Note: Two finish coats paint over primer.		
09 91 23 00-0276	EA		Up To 8 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work .....	44.56	
			For Oil Based Paint, Add	2.56	
			For >5 To 10, Deduct	-2.23	
			For >10 To 25, Deduct	-4.46	
			For >25, Deduct	-6.68	
09 91 23 00-0277	EA		>8 To 14 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work .....	54.03	
			For Oil Based Paint, Add	3.22	
			For >5 To 10, Deduct	-2.70	
			For >10 To 25, Deduct	-5.40	
			For >25, Deduct	-8.10	
09 91 23 00-0278	EA		>14 To 20 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work .....	77.65	
			For Oil Based Paint, Add	4.62	
			For >5 To 10, Deduct	-3.88	
			For >10 To 25, Deduct	-7.77	
			For >25, Deduct	-11.65	
09 91 23 00-0279	EA		>20 To 26 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work .....	87.44	
			For Oil Based Paint, Add	5.21	
			For >5 To 10, Deduct	-4.37	
			For >10 To 25, Deduct	-8.74	
			For >25, Deduct	-13.12	
09 91 23 00-0280	EA		>26 To 34 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work .....	91.08	
			For Oil Based Paint, Add	5.47	
			For >5 To 10, Deduct	-4.55	
			For >10 To 25, Deduct	-9.11	
			For >25, Deduct	-13.66	
09 91 23 00-0281	SF		>34 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work .....	3.04	
			For Oil Based Paint, Add	0.18	
09 91 23 00-0282			<b>Paint Interior Security Screens</b> (09 91 23 00-0234)		
09 91 23 00-0283	SF		Paint Interior Security Screen, 1 Coat Primer, Brush/Roller Work .....	0.76	
			For Oil Based Paint, Add	0.05	
			For Electrostatic Painting, Add	0.11	
09 91 23 00-0284	SF		Paint Interior Security Screen, 1 Coat Paint, Brush/Roller Work.....	0.77	
			For Oil Based Paint, Add	0.05	
			For Electrostatic Painting, Add	0.10	
09 91 23 00-0285	SF		Paint Interior Security Screen, 2 Coats Paint, Brush/Roller Work.....	1.27	
			For Oil Based Paint, Add	0.08	
			For Electrostatic Painting, Add	0.16	
09 91 23 00-0286			<b>Paint Interior Window Guards</b> (09 91 23 00-0234)		
09 91 23 00-0287	SF		Paint Interior Metal Window Guards, 1 Coat Primer, Brush/Roller Work .....	0.76	
			For Oil Based Paint, Add	0.05	
09 91 23 00-0288	SF		Paint Interior Metal Window Guards, 1 Coat Paint, Brush/Roller Work.....	0.77	
			For Oil Based Paint, Add	0.05	



<b>Finishes</b>	<b>09</b>	
Painting And Coating	09 90	09
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0289 SF Paint Interior Metal Window Guards, 2 Coats Paint, Brush/Roller Work..... <i>For Oil Based Paint, Add</i>	1.27 0.08	
<b>09 91 23 00-0290 Paint Interior Window Trim (09 91 23 00-0234)</b>		
09 91 23 00-0291 LF Paint Interior Wood Window Frame And Trim, 1 Coat Primer, Brush/Roller Work..... <i>For Oil Based Paint, Add</i> <i>For Painting One Face Of Frame Only, Deduct</i>	0.73 0.05 -0.21	
09 91 23 00-0292 LF Paint Interior Wood Window Frame And Trim, 1 Coat Paint, Brush/Roller Work..... <i>For Oil Based Paint, Add</i> <i>For Painting One Face Of Frame Only, Deduct</i>	0.73 0.05 -0.21	
09 91 23 00-0293 LF Paint Interior Wood Window Frame And Trim, 2 Coats Paint, Brush/Roller Work..... <i>For Oil Based Paint, Add</i> <i>For Painting One Face Of Frame Only, Deduct</i>	1.60 0.10 -0.46	
09 91 23 00-0294 LF Paint Interior Metal Window Frame And Trim, 1 Coat Primer, Brush/Roller Work..... Note: Brush/roller work. <i>For Painting One Face Of Frame Only, Deduct</i>	0.83 -0.25	
09 91 23 00-0295 LF Paint Interior Metal Window Frame And Trim, 1 Coat Paint, Brush/Roller Work..... Note: Brush/roller work. <i>For Painting One Face Of Frame Only, Deduct</i>	0.83 -0.25	
09 91 23 00-0296 LF Paint Interior Metal Window Frame And Trim, 2 Coats Paint, Brush/Roller Work..... Note: Brush/roller work. <i>For Painting One Face Of Frame Only, Deduct</i>	1.81 -0.54	
<b>09 91 23 00-0297 Paint Interior Cabinets And Casework (09 91 23)</b>		
<b>09 91 23 00-0298 Paint Interior Wood Cabinets And Casework (09 91 23 00-0297)</b>		
09 91 23 00-0299 SF Paint Interior Wood Cabinets And Casework, 1 Coat Paint, Brush/Roller Work..... <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	0.63 -0.03 -0.06 -0.09	
09 91 23 00-0300 SF Paint Interior Wood Cabinets And Casework, 1 Coat Enamel Primer, 1 Coat Alkyd Or Latex Paint, Brush/Roller Work..... <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	0.89 -0.04 -0.09 -0.13	
09 91 23 00-0301 SF Paint Interior Wood Cabinets And Casework, 1 Coat Enamel Primer, 2 Coats Alkyd Or Latex Paint, Brush/Roller Work..... <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	1.49 -0.07 -0.15 -0.22	
<b>09 91 23 00-0302 Paint Exposed Metal Lockers (09 91 23 00-0297)</b>		
09 91 23 00-0303 SF Paint Exposed Metal Locker, 1 Coat Primer, Brush/Roller Work..... <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	0.71 -0.04 -0.07 -0.11	
09 91 23 00-0304 SF Paint Exposed Metal Locker, 1 Coat Alkyd Enamel, Brush/Roller Work..... <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	0.71 -0.04 -0.07 -0.11	
09 91 23 00-0305 SF Paint Exposed Metal Locker, 2 Coats Alkyd Enamel, Brush/Roller Work..... <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	1.31 -0.07 -0.13 -0.20	
<b>09 91 23 00-0306 Paint Interior Stairs (09 91 23)</b>		
<b>09 91 23 00-0307 Paint Interior Concrete Stairs (09 91 23 00-0306)</b>		
Note: Includes the riser and tread.		
09 91 23 00-0308 RSR Paint Interior Concrete Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work.....	9.06	
09 91 23 00-0309 RSR Paint Interior Concrete Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work.....	9.06	
09 91 23 00-0310 RSR Paint Interior Concrete Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work..... Note: Excludes riser.	8.11	
09 91 23 00-0311 RSR Paint Interior Concrete Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work..... Note: Excludes riser.	17.87	
09 91 23 00-0312 RSR Paint Interior Concrete Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work.....	18.10	
<b>09 91 23 00-0313 Paint Interior Metal Stairs (09 91 23 00-0306)</b>		
Note: Includes the riser and tread.		
09 91 23 00-0314 RSR Paint Interior Metal Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work.....	5.01	
09 91 23 00-0315 RSR Paint Interior Metal Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work.....	4.82	
09 91 23 00-0316 RSR Paint Interior Metal Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work.....	9.65	
<b>09 91 23 00-0317 Paint Interior Wood Stairs (09 91 23 00-0306)</b>		
Note: Includes the riser and tread.		
09 91 23 00-0318 RSR Paint Interior Wood Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work.....	4.71	
09 91 23 00-0319 RSR Paint Interior Wood Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work.....	4.71	



**09 Finishes**

**09 90 Painting And Coating**

**09 91 Painting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0320	RSR		Paint Interior Wood Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work .....5.93 Note: Excludes riser.	5.93	
09 91 23 00-0321	RSR		Paint Interior Wood Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work .....15.69 Note: Excludes riser.	15.69	
09 91 23 00-0322	RSR		Paint Interior Wood Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work .....9.41	9.41	
<b>09 91 23 00-0323</b>			<b>Paint Interior Stair Nosing</b> (09 91 23 00-0306)		
09 91 23 00-0324	LF		Paint Interior Yellow Stair Safety Strip, Up To 2", Non Slip, Brush Work .....0.78	0.78	
<b>09 91 23 00-0325</b>			<b>Paint Interior Trim</b> (09 91 23)		
<b>09 91 23 00-0326</b>			<b>Paint Interior Metal Trim</b> (09 91 23 00-0325)		
09 91 23 00-0327	SF		Paint Interior Exposed Metal Trim, 1 Coat Primer, Brush Work .....0.69	0.69	
09 91 23 00-0328	SF		Paint Interior Exposed Metal Trim, 1 Coat Paint, Brush Work .....0.69	0.69	
09 91 23 00-0329	SF		Paint Interior Exposed Metal Trim, 2 Coats Paint, Brush Work .....1.25	1.25	
09 91 23 00-0330	SF		Paint Interior Metal Trim, 1 Coat Primer, Brush/Roller Work .....0.69	0.69	
09 91 23 00-0331	SF		Paint Interior Metal Trim, 1 Coat Paint, Brush/Roller Work .....0.69	0.69	
09 91 23 00-0332	SF		Paint Interior Metal Trim, 2 Coats Paint, Brush/Roller Work .....1.25	1.25	
<b>09 91 23 00-0333</b>			<b>Paint Interior Wood Trim</b> (09 91 23 00-0325)		
09 91 23 00-0334	LF		Paint Interior Wood Trim To 6" Wide, 1 Coat Primer, Brush Work .....0.39 <i>For Oil Based Paint, Add</i> 0.02	0.39	
09 91 23 00-0335	LF		Paint Interior Wood Trim To 6" Wide, 1 Coat Paint, Brush Work .....0.44 <i>For Oil Based Paint, Add</i> 0.02	0.44	
09 91 23 00-0336	LF		Paint Interior Wood Trim To 6" Wide, 2 Coats Paint .....0.90 <i>For Oil Based Paint, Add</i> 0.05	0.90	
09 91 23 00-0337	SF		Paint Interior Wood Trim, 1 Coat Primer, Brush Work .....1.23 <i>For Oil Based Paint, Add</i> 0.07	1.23	
09 91 23 00-0338	SF		Paint Interior Wood Trim, 1 Coat Paint, Brush Work .....1.36 <i>For Oil Based Paint, Add</i> 0.08	1.36	
09 91 23 00-0339	SF		Paint Interior Wood Trim, 2 Coats Paint, Brush Work .....2.91 <i>For Oil Based Paint, Add</i> 0.17	2.91	
09 91 23 00-0340	SF		Paint Interior Wood Trim, 1 Coat Primer, Brush/Roller Work .....1.23 <i>For Oil Based Paint, Add</i> 0.07	1.23	
09 91 23 00-0341	SF		Paint Interior Wood Trim, 1 Coat Paint, Brush/Roller Work .....1.36 <i>For Oil Based Paint, Add</i> 0.08	1.36	
09 91 23 00-0342	SF		Paint Interior Wood Trim, 2 Coats Paint, Brush/Roller Work .....2.91 <i>For Oil Based Paint, Add</i> 0.17	2.91	
<b>09 91 23 00-0343</b>			<b>Stencil Painting Letters/Numbers</b> (09 91 23) Note: Painting on walls, floors, poles, etc. Includes stencil cutout and paint.		
09 91 23 00-0344	EA		Up To 1" High, Stencil Painting, Per Letter/Number .....1.00 <i>For &gt;200 To 500, Deduct</i> -0.08 <i>For &gt;500 To 1,000, Deduct</i> -0.13 <i>For &gt;1,000 To 2,000, Deduct</i> -0.16 <i>For &gt;2,000, Deduct</i> -0.20	1.00	
09 91 23 00-0345	EA		1" To 2" High, Stencil Painting, Per Letter/Number .....1.16 <i>For &gt;200 To 500, Deduct</i> -0.09 <i>For &gt;500 To 1,000, Deduct</i> -0.15 <i>For &gt;1,000 To 2,000, Deduct</i> -0.19 <i>For &gt;2,000, Deduct</i> -0.23	1.16	
09 91 23 00-0346	EA		2" To 3" High, Stencil Painting, Per Letter/Number .....1.94 <i>For &gt;200 To 500, Deduct</i> -0.16 <i>For &gt;500 To 1,000, Deduct</i> -0.24 <i>For &gt;1,000 To 2,000, Deduct</i> -0.31 <i>For &gt;2,000, Deduct</i> -0.39	1.94	
09 91 23 00-0347	EA		3" To 4" High, Stencil Painting, Per Letter/Number .....2.37 <i>For &gt;200 To 500, Deduct</i> -0.19 <i>For &gt;500 To 1,000, Deduct</i> -0.30 <i>For &gt;1,000 To 2,000, Deduct</i> -0.38 <i>For &gt;2,000, Deduct</i> -0.47	2.37	
09 91 23 00-0348	EA		4" To 6" High, Stencil Painting, Per Letter/Number .....3.25 <i>For &gt;200 To 500, Deduct</i> -0.26 <i>For &gt;500 To 1,000, Deduct</i> -0.41 <i>For &gt;1,000 To 2,000, Deduct</i> -0.52 <i>For &gt;2,000, Deduct</i> -0.65	3.25	
09 91 23 00-0349	EA		6" To 12" High, Stencil Painting, Per Letter/Number .....4.30 <i>For &gt;200 To 500, Deduct</i> -0.34 <i>For &gt;500 To 1,000, Deduct</i> -0.54 <i>For &gt;1,000 To 2,000, Deduct</i> -0.69 <i>For &gt;2,000, Deduct</i> -0.86	4.30	
09 91 23 00-0350	EA		Over 12" High, Stencil Painting, Per Letter/Number .....5.08 <i>For &gt;200 To 500, Deduct</i> -0.41 <i>For &gt;500 To 1,000, Deduct</i> -0.64 <i>For &gt;1,000 To 2,000, Deduct</i> -0.81 <i>For &gt;2,000, Deduct</i> -1.02	5.08	
<b>09 91 23 00-0351</b>			<b>Logo Painting</b> (09 91 23)		
09 91 23 00-0352	SF		Paint Logo (Simple Design) .....18.41	18.41	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0353 SF Paint Logo (Complex Design).....	21.60	
<b>09 91 23 00-0354 Paint Additives (09 91 23)</b>		
09 91 23 00-0355 SF Mildewcide/Mold Killing Paint Additive Per Each Coat.....	0.02	
09 91 23 00-0356 SF Class "B" Fire Rating, Fire Resistant Paint Additive .....	0.04	
<i>For Class "A" Fire Rating, Add</i>		
<b>09 91 23 00-0357 Hand Painting Letters/Numbers (09 91 23)</b>		
<i>Note: Painting on walls, floors, poles, signs, etc.</i>		
09 91 23 00-0358 EA Up To 1" High, Hand Paint, Per Letter/Number .....	1.22	
09 91 23 00-0359 EA 1" To 2" High, Hand Paint, Per Letter/Number.....	1.42	
09 91 23 00-0360 EA 2" To 3" High, Hand Paint, Per Letter/Number.....	2.14	
09 91 23 00-0361 EA 3" To 4" High, Hand Paint, Per Letter/Number.....	2.61	
09 91 23 00-0362 EA 4" To 6" High, Hand Paint, Per Letter/Number.....	3.60	
09 91 23 00-0363 EA 6" To 12" High, Hand Paint, Per Letter/Number.....	4.55	
09 91 23 00-0364 EA Over 12" High, Hand Paint, Per Letter/Number .....	5.33	
<b>09 91 23 00-0365 Glove/Mitt Application (09 91 23)</b>		
<b>09 91 23 00-0366 Conduit/Pipe (09 91 23 00-0365)</b>		
09 91 23 00-0367 CSF Acid Wash (Muriatic Acid) Conduit Or Pipe With Glove/Mitt.....	22.97	
09 91 23 00-0368 CSF Metal Primer Conduit Or Pipe With Glove/Mitt.....	41.41	
09 91 23 00-0369 CSF Enamel, Oil Base Paint, First Coat Conduit Or Pipe With Glove/Mitt .....	33.09	
09 91 23 00-0370 CSF Enamel, Oil Base Paint, Second Coat Conduit Or Pipe With Glove/Mitt.....	27.55	
09 91 23 00-0371 CSF Epoxy Coating, First Coat Conduit Or Pipe With Glove/Mitt .....	54.05	
09 91 23 00-0372 CSF Epoxy Coating, Second Coat Conduit Or Pipe With Glove/Mitt .....	50.16	
<b>09 91 23 00-0373 Ductwork (09 91 23 00-0365)</b>		
09 91 23 00-0374 CSF Acid Wash (Muriatic Acid) Ductwork With Glove/Mitt.....	22.97	
09 91 23 00-0375 CSF Metal Primer Ductwork With Glove/Mitt .....	38.13	
09 91 23 00-0376 CSF Enamel, Oil Base Paint Ductwork With Glove/Mitt.....	30.06	
09 91 23 00-0377 CSF Epoxy Coating, First Coat Ductwork With Glove/Mitt.....	51.67	
09 91 23 00-0378 CSF Epoxy Coating, Second Coat Ductwork With Glove/Mitt.....	45.55	
<b>09 91 23 00-0379 Paint Interior Miscellaneous Metal Surfaces (09 91 23)</b>		
09 91 23 00-0380 SF Paint Interior Miscellaneous Metal Surfaces, 1 Coat Primer, Brush/Roller Work.....	0.44	
<i>For Electrostatic Painting, Add</i>		
<i>For Up To 100, Add</i>		
<i>For &gt;100 To 250, Add</i>		
<i>For &gt;250 To 500, Add</i>		
<i>For &gt;2,500 To 5,000, Deduct</i>		
<i>For &gt;5,000 To 10,000, Deduct</i>		
<i>For &gt;10,000 To 20,000, Deduct</i>		
<i>For &gt;20,000, Deduct</i>		
09 91 23 00-0381 SF Paint Interior Miscellaneous Metal Surfaces, 1 Coat Alkyd Enamel, Brush/Roller Work.....	0.52	
<i>For Electrostatic Painting, Add</i>		
<i>For Up To 100, Add</i>		
<i>For &gt;100 To 250, Add</i>		
<i>For &gt;250 To 500, Add</i>		
<i>For &gt;2,500 To 5,000, Deduct</i>		
<i>For &gt;5,000 To 10,000, Deduct</i>		
<i>For &gt;10,000 To 20,000, Deduct</i>		
<i>For &gt;20,000, Deduct</i>		
09 91 23 00-0382 SF Paint Interior Miscellaneous Metal Surfaces, 2 Coats Alkyd Enamel, Brush/Roller Work.....	0.87	
<i>For Electrostatic Painting, Add</i>		
<i>For Up To 100, Add</i>		
<i>For &gt;100 To 250, Add</i>		
<i>For &gt;250 To 500, Add</i>		
<i>For &gt;2,500 To 5,000, Deduct</i>		
<i>For &gt;5,000 To 10,000, Deduct</i>		
<i>For &gt;10,000 To 20,000, Deduct</i>		
<i>For &gt;20,000, Deduct</i>		
09 91 23 00-0383 SF Paint Interior Miscellaneous Metal Surfaces, 1 Coat Primer, Sprayed.....	0.59	
<i>For Electrostatic Painting, Add</i>		
<i>For Up To 100, Add</i>		
<i>For &gt;100 To 250, Add</i>		
<i>For &gt;250 To 500, Add</i>		
<i>For &gt;2,500 To 5,000, Deduct</i>		
<i>For &gt;5,000 To 10,000, Deduct</i>		
<i>For &gt;10,000 To 20,000, Deduct</i>		
<i>For &gt;20,000, Deduct</i>		

<b>09</b>	<b>Finishes</b>
<b>09 90</b>	<b>Painting And Coating</b>
<b>09 91</b>	<b>Painting</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	23 00-0384	SF	Paint Interior Miscellaneous Metal Surfaces, 1 Coat Alkyd, Sprayed.....	0.59	
			<i>For Electrostatic Painting, Add</i>	0.08	
			<i>For Up To 100, Add</i>	0.36	
			<i>For &gt;100 To 250, Add</i>	0.17	
			<i>For &gt;250 To 500, Add</i>	0.07	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.09	
			<i>For &gt;20,000, Deduct</i>	-0.12	
09 91	23 00-0385	SF	Paint Interior Miscellaneous Metal Surfaces, 2 Coats Alkyd, Sprayed.....	0.91	
			<i>For Electrostatic Painting, Add</i>	0.12	
			<i>For Up To 100, Add</i>	0.55	
			<i>For &gt;100 To 250, Add</i>	0.26	
			<i>For &gt;250 To 500, Add</i>	0.11	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.14	
			<i>For &gt;20,000, Deduct</i>	-0.18	

### 09 91 33 Painting Materials (09 91)

Note: Paint per gallon for owners to obtain extra paint. Not to be used in conjunction with other painting tasks.

#### 09 91 33 00-0001 Primer (09 91 33)

09 91	33 00-0002	GAL	Alkyd Primer/Sealer, Interior, 500 SF Per Gallon.....	32.71	
09 91	33 00-0003	GAL	Alkyd Wood Primer, Exterior, 400 SF Per Gallon .....	24.54	
09 91	33 00-0004	GAL	Prime Coat Oil Wood Primer, 310 SF Per Gallon .....	31.11	
09 91	33 00-0005	GAL	Catalyzed Epoxy Primer, Two Component Type, 425 SF Per Gallon.....	74.86	
09 91	33 00-0006	EA	Cement Base Primer, 25 LB Sack .....	25.66	
09 91	33 00-0007	GAL	Alkali Resistant Concrete And Masonry Primer, Exterior, 225 SF Per Gallon.....	39.56	
09 91	33 00-0008	GAL	Alkali Resistant Concrete And Masonry Primer, Interior, 225 SF Per Gallon.....	31.75	
09 91	33 00-0009	GAL	Acrylic Latex Primer, Flat Exterior, Fast Drying Wood Undercoat And Back Primer, 400 SF Per Gallon.....	24.54	
09 91	33 00-0010	GAL	Acrylic (Vinyl Acrylic) Block Filler, 50 SF Per Gallon.....	22.29	
09 91	33 00-0011	GAL	Acrylic (Vinyl Acrylic) Rust Inhibiting Metal, Primer - 500 SF Per Gallon: Paint - 260 SF Per Gallon .....	39.29	
09 91	33 00-0012	GAL	Acrylic Heavy Duty Wall Primer/Sealer, Low Odor Type, Alkali-Resistant, 800 SF Per Gallon.....	32.71	
09 91	33 00-0013	GAL	Acrylic (Vinyl Acrylic) Undercoat, All Purpose, Interior/Exterior, 500 SF Per Gallon .....	32.71	
09 91	33 00-0014	GAL	Latex Wood Primer, Exterior, 300 SF Per Gallon .....	36.88	
09 91	33 00-0015	GAL	Linseed (Oil Base) Primer, Exterior/Interior, 300 SF Per Gallon .....	24.05	
09 91	33 00-0016	GAL	Red Alkyd Primer, 500 SF Per Gallon.....	55.99	
09 91	33 00-0017	GAL	Wood Sealer/Primer, Interior, Clear, 600 SF Per Gallon.....	25.66	
09 91	33 00-0018	GAL	Zinc Chromate Primer, 300 SF Per Gallon .....	20.53	
09 91	33 00-0019	GAL	Zinc Dust/Zinc Oxide Primer, 300 SF Per Gallon.....	53.08	
09 91	33 00-0020	GAL	Stain Killer, Alcohol Base.....	33.10	
09 91	33 00-0021	GAL	Sealer, Primer Kilz, 400 SF Per Gallon.....	37.35	

#### 09 91 33 00-0022 Paint (09 91 33)

09 91	33 00-0023	GAL	Aluminum Fiber Roof Coat On Composition Roof, 50 SF Per Gallon .....	17.96	
09 91	33 00-0024	GAL	Acrylic Urethane Sealer .....	89.06	
09 91	33 00-0025	GAL	Asphalt-Fiber Roof And Foundation Coating, Solvent Type.....	9.62	
			Note: 75 SF per gallon on roof or concrete, 100 SF per gallon on metal.		
09 91	33 00-0026	GAL	Concrete Enamel Epoxy, 350 SF Per Gallon.....	55.65	
09 91	33 00-0027	GAL	Concrete Acrylic Sealer, 400 SF Per Gallon.....	29.19	
09 91	33 00-0028	GAL	Driveway Coating, Tar Emulsion, 120 SF Per Gallon .....	9.62	
09 91	33 00-0029	GAL	Driveway Coating, Acrylic Latex, 250 SF Per Gallon .....	14.59	
09 91	33 00-0030	GAL	Exterior, Oil Base, Gloss Enamel, 400 SF Per Gallon .....	29.51	
09 91	33 00-0031	GAL	Exterior, Oil Base, Gloss, 400 SF Per Gallon.....	39.29	
09 91	33 00-0032	GAL	Exterior, Oil Base, Semi-Gloss, 400 SF Per Gallon .....	32.07	
09 91	33 00-0033	GAL	Exterior, Oil Base, Flat.....	29.40	
09 91	33 00-0034	GAL	Exterior, Latex, Semi-Gloss, 400 SF Per Gallon .....	27.90	
09 91	33 00-0035	GAL	Exterior, Flat Latex, Trim Paint, 500 SF Per Gallon .....	32.87	
09 91	33 00-0036	GAL	Exterior, Latex Flat Paint, 300 SF Per Gallon .....	29.19	
09 91	33 00-0037	GAL	Exterior, Latex Gloss Enamel, Water Base.....	41.54	
09 91	33 00-0038	GAL	Cold Galvanizing Paint.....	197.65	
09 91	33 00-0039	GAL	High Heat Paint.....	79.27	
09 91	33 00-0040	GAL	Heat Resistant Paint .....	52.84	
09 91	33 00-0041	GAL	Zinc Chromate Paint .....	47.81	
09 91	33 00-0042	QT	Anti-Rust Enamel, 500 SF Per Quart.....	18.87	
09 91	33 00-0043	GAL	Rust Inhibitor, Ferrous Metal.....	52.84	
09 91	33 00-0044	GAL	Masonry Waterproofing, 100 SF Per Gallon .....	29.19	
09 91	33 00-0045	GAL	Alkyd Latex, Black.....	35.65	
09 91	33 00-0046	GAL	Alkyd Latex, White.....	35.65	
09 91	33 00-0047	GAL	Alkyd Latex, Colors.....	42.99	
09 91	33 00-0048	QT	Wrought Iron Paint, Black .....	48.23	
09 91	33 00-0049	GAL	Vinyl Paint.....	49.07	
09 91	33 00-0050	GAL	Silicone Alkyd.....	59.66	
09 91	33 00-0051	GAL	2 Component Solvent Based Acrylic Epoxy .....	60.62	
09 91	33 00-0052	GAL	2 Component Solvent Based Polyester Epoxy .....	76.01	
09 91	33 00-0053	GAL	Chlorinated Rubber.....	55.81	
09 91	33 00-0054	GAL	Polyamide Epoxy Sealer.....	57.73	
09 91	33 00-0055	GAL	Coal Tar Epoxy .....	41.37	
09 91	33 00-0056	GAL	Swimming Pool Enamel, 350 SF Per Gallon .....	51.64	
09 91	33 00-0057	GAL	Swimming Pool Epoxy Or Urethane Base .....	67.35	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 91 33 00-0058	GAL		Swimming Pool Rubber Base .....	46.18	
	09 91 33 00-0059	GAL		Interior, Latex Flat Paint, 300 SF Per Gallon .....	29.35	
	09 91 33 00-0060	GAL		Interior, Latex Eggshell Or Semi-Gloss Enamel, 300 SF Per Gallon .....	32.87	
	09 91 33 00-0061	GAL		Interior, Fire-Retardant Flat Paint, 200 SF Per Gallon .....	60.14	
	09 91 33 00-0062	GAL		Interior, Ceiling White Latex Flat, 350 SF Per Gallon .....	20.37	
	09 91 33 00-0063	GAL		Linseed Oil .....	17.80	
	09 91 33 00-0064	GAL		Latex Floor Paint, 300 SF Per Gallon .....	29.19	
	09 91 33 00-0065	GAL		Acrylic Floor Paint, 400 SF Per Gallon .....	32.87	
	09 91 33 00-0066	GAL		Texture Paint, Sand Texture Latex, Armor Coat, 100 SF Per Gallon .....	30.07	
	09 91 33 00-0067	GAL		Acoustic Spray-On Texture, Finish .....	24.16	
	<b>09 91 33 00-0068</b>			<b>Stain, Varnish</b> <small>(09 91 33)</small>		
	09 91 33 00-0069	GAL		Thompson Water Sealer, 150 SF Per Gallon .....	16.68	
	09 91 33 00-0070	GAL		Latex Redwood Stain, Water Base, 300 SF Per Gallon .....	31.11	
	09 91 33 00-0071	GAL		Redwood Oil Stain, 300 SF Per Gallon .....	27.74	
	09 91 33 00-0072	GAL		Varnish, Clear .....	23.80	
	09 91 33 00-0073	GAL		Penetrating Water-Repellent Stain .....	17.29	
	09 91 33 00-0074	GAL		Redwood Hue Or Clear Stain .....	15.45	
	09 91 33 00-0075	GAL		Polyurethane .....	27.13	
	09 91 33 00-0076	GAL		Lacquer, Semi-Gloss .....	29.27	
	09 91 33 00-0077	GAL		Shellac, Clear .....	38.40	
	09 91 33 00-0078	GAL		Acetone .....	12.67	
	09 91 33 00-0079	GAL		Paint Thinner .....	3.13	
	09 91 33 00-0080	GAL		Shellac Or Lacquer Thinner .....	12.83	
	09 91 33 00-0081	GAL		Turpentine .....	17.64	
	09 91 33 00-0082	GAL		Wood Filler Paste .....	30.15	
	09 91 33 00-0083	GAL		Wood Preservative, Pentachlorophenol, General Purpose, 40%, 150 SF Per Gallon .....	24.05	
	09 91 33 00-0084	GAL		Waterbased Alkyd Urethane (Sherwin Williams B53W01153) .....	57.99	
	<b>09 91 43</b>			<b>Surface Preparation</b> <small>(09 91)</small>		
				Note: Steel Structure Painting Council, SSPC; Surface Preparation, SP.		
	<b>09 91 43 00-0001</b>			<b>Cleaning And Preparation Of Painted And Unpainted Surfaces</b> <small>(09 91 43)</small>		
				Note: In excess of surface preparation required. Water blast and pressure washing includes mild detergent and rinsing of surface until detergent free. Sand blast and water blast includes canvas/plastic for protection of existing surfaces as well as for containment.		
	<b>09 91 43 00-0002</b>			<b>Concrete And Masonry Surfaces, Surface Preparation</b> <small>(09 91 43 00-0001)</small>		
	09 91 43 00-0003	SF		Calcimine Removal/Washing, Concrete And Masonry Surfaces, Surface Preparation .....	0.25	
				For Up To 100, Add	0.38	
				For >100 To 250, Add	0.10	
				For >250 To 500, Add	0.05	
				For >5,000 To 10,000, Deduct	-0.01	
				For >10,000 To 15,000, Deduct	-0.02	
				For >15,000 To 30,000, Deduct	-0.04	
				For >30,000, Deduct	-0.05	
	09 91 43 00-0004	SF		Chemical Clean, Brush And Wash, Concrete And Masonry Surfaces, Surface Preparation .....	0.40	
				For Up To 100, Add	0.60	
				For >100 To 250, Add	0.15	
				For >250 To 500, Add	0.08	
				For >5,000 To 10,000, Deduct	-0.02	
				For >10,000 To 15,000, Deduct	-0.04	
				For >15,000 To 30,000, Deduct	-0.06	
				For >30,000, Deduct	-0.08	
	09 91 43 00-0005	SF		Hand Scrape, Concrete And Masonry Surfaces, Surface Preparation .....	0.32	
				For Up To 100, Add	0.64	
				For >100 To 250, Add	0.16	
				For >250 To 500, Add	0.08	
				For >5,000 To 10,000, Deduct	-0.02	
				For >10,000 To 15,000, Deduct	-0.03	
				For >15,000 To 30,000, Deduct	-0.05	
				For >30,000, Deduct	-0.06	
	09 91 43 00-0006	SF		Steam Clean, Concrete And Masonry Surfaces, Surface Preparation .....	0.39	
				For Up To 100, Add	0.60	
				For >100 To 250, Add	0.15	
				For >250 To 500, Add	0.08	
				For >5,000 To 10,000, Deduct	-0.02	
				For >10,000 To 15,000, Deduct	-0.04	
				For >15,000 To 30,000, Deduct	-0.06	
				For >30,000, Deduct	-0.07	
	09 91 43 00-0007	SF		Up To 5,000 PSI Pressure Wash, Concrete And Masonry Surfaces, Surface Preparation .....	0.26	
				For Up To 100, Add	0.36	
				For >100 To 250, Add	0.09	
				For >250 To 500, Add	0.05	
				For >5,000 To 10,000, Deduct	-0.01	
				For >10,000 To 15,000, Deduct	-0.02	
				For >15,000 To 30,000, Deduct	-0.04	
				For >30,000, Deduct	-0.05	

**09 Finishes****09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0008	SF		10,000 To 12,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation .....	0.69	
			<i>For Up To 100, Add</i>	1.16	
			<i>For &gt;100 To 250, Add</i>	0.29	
			<i>For &gt;250 To 500, Add</i>	0.15	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.03	
			<i>For &gt;10,000 To 15,000, Deduct</i>	-0.06	
			<i>For &gt;15,000 To 30,000, Deduct</i>	-0.10	
			<i>For &gt;30,000, Deduct</i>	-0.13	
09 91 43 00-0009	SF		30,000 To 40,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation .....	1.12	
			<i>For Up To 100, Add</i>	2.02	
			<i>For &gt;100 To 250, Add</i>	0.51	
			<i>For &gt;250 To 500, Add</i>	0.25	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.05	
			<i>For &gt;10,000 To 15,000, Deduct</i>	-0.11	
			<i>For &gt;15,000 To 30,000, Deduct</i>	-0.16	
			<i>For &gt;30,000, Deduct</i>	-0.22	
09 91 43 00-0010	SF		Sand Blasting, Concrete And Masonry Surfaces, Surface Preparation .....	1.67	
			<i>For Heavy Condition Where Multiple Pass Is Required, Add</i>	0.84	
			<i>For Up To 100, Add</i>	2.82	
			<i>For &gt;100 To 250, Add</i>	0.71	
			<i>For &gt;250 To 500, Add</i>	0.35	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.08	
			<i>For &gt;10,000 To 15,000, Deduct</i>	-0.16	
			<i>For &gt;15,000 To 30,000, Deduct</i>	-0.24	
			<i>For &gt;30,000, Deduct</i>	-0.32	
<b>09 91 43 00-0011</b>			<b>Drywall</b> <small>(09 91 43 00-0001)</small>		
			Note: Patch holes other than nail/screw holes and greater than 1/2" diameter.		
09 91 43 00-0012	SF		Hand Wash Drywall Surfaces With Mild Detergent Or Degreaser (No Sanding, Repairing Or Scraping) .....	0.17	
			<i>For Up To 100, Add</i>	0.34	
			<i>For &gt;100 To 250, Add</i>	0.09	
			<i>For &gt;250 To 500, Add</i>	0.04	
09 91 43 00-0013	SF		Hand Wash, Minor Repair And Light Sanding Drywall Surfaces.....	0.30	
			<i>For Up To 100, Add</i>	0.60	
			<i>For &gt;100 To 250, Add</i>	0.15	
			<i>For &gt;250 To 500, Add</i>	0.08	
09 91 43 00-0014	SF		Scrape, Repair And Sand Severely Damaged Drywall Surfaces .....	0.57	
			<i>For Up To 100, Add</i>	1.04	
			<i>For &gt;100 To 250, Add</i>	0.26	
			<i>For &gt;250 To 500, Add</i>	0.13	
<b>09 91 43 00-0015</b>			<b>Metal Surfaces, Surface Preparation</b> <small>(09 91 43 00-0001)</small>		
09 91 43 00-0016	SF		Chemical Clean, Brush And Wash, Metal Surfaces, Surface Preparation .....	0.40	
			<i>For Up To 100, Add</i>	0.23	
			<i>For &gt;100 To 250, Add</i>	0.11	
			<i>For &gt;250 To 500, Add</i>	0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02	
			<i>For &gt;10,000 To 15,000, Deduct</i>	-0.04	
			<i>For &gt;15,000 To 30,000, Deduct</i>	-0.06	
			<i>For &gt;30,000, Deduct</i>	-0.08	
09 91 43 00-0017	SF		Hand Scraping And Sanding, Metal Surfaces, Surface Preparation .....	0.32	
			<i>For Up To 100, Add</i>	0.24	
			<i>For &gt;100 To 250, Add</i>	0.11	
			<i>For &gt;250 To 500, Add</i>	0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02	
			<i>For &gt;10,000 To 15,000, Deduct</i>	-0.03	
			<i>For &gt;15,000 To 30,000, Deduct</i>	-0.05	
			<i>For &gt;30,000, Deduct</i>	-0.06	
09 91 43 00-0018	SF		Up To 5,000 PSI Pressure Wash, Metal Surfaces, Surface Preparation .....	0.24	
			<i>For Up To 100, Add</i>	0.14	
			<i>For &gt;100 To 250, Add</i>	0.06	
			<i>For &gt;250 To 500, Add</i>	0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.01	
			<i>For &gt;10,000 To 15,000, Deduct</i>	-0.02	
			<i>For &gt;15,000 To 30,000, Deduct</i>	-0.03	
			<i>For &gt;30,000, Deduct</i>	-0.05	
09 91 43 00-0019	SF		Power Tool Cleaning, Metal Surfaces, Surface Preparation .....	0.59	
			<i>For Up To 100, Add</i>	0.44	
			<i>For &gt;100 To 250, Add</i>	0.21	
			<i>For &gt;250 To 500, Add</i>	0.09	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.03	
			<i>For &gt;10,000 To 15,000, Deduct</i>	-0.06	
			<i>For &gt;15,000 To 30,000, Deduct</i>	-0.09	
			<i>For &gt;30,000, Deduct</i>	-0.12	
09 91 43 00-0020	SF		Steam Cleaning, Metal Surfaces, Surface Preparation.....	0.26	
			<i>For Up To 100, Add</i>	0.13	
			<i>For &gt;100 To 250, Add</i>	0.06	
			<i>For &gt;250 To 500, Add</i>	0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.01	
			<i>For &gt;10,000 To 15,000, Deduct</i>	-0.02	
			<i>For &gt;15,000 To 30,000, Deduct</i>	-0.04	
			<i>For &gt;30,000, Deduct</i>	-0.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0021 SF Loose Mill Scale With Fine Powder, Commercial Blast, Metal Surfaces, Surface Preparation.....	0.53	
For Up To 100, Add	0.31	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.05	
For >15,000 To 30,000, Deduct	-0.08	
For >30,000, Deduct	-0.10	
09 91 43 00-0022 SF Tight Mill Scale With Fine Powder Rust, Commercial Blast, Metal Surfaces, Surface Preparation .....	0.72	
For Up To 100, Add	0.41	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.07	
For >15,000 To 30,000, Deduct	-0.10	
For >30,000, Deduct	-0.14	
09 91 43 00-0023 SF Exterior Coating Blistered Pitted, Rust, Commercial Blast, Metal Surfaces, Surface Preparation .....	1.05	
For Up To 100, Add	0.62	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.12	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 15,000, Deduct	-0.10	
For >15,000 To 30,000, Deduct	-0.15	
For >30,000, Deduct	-0.20	
09 91 43 00-0024 SF Badly Pitted With Rust Nodules, Commercial Blast, Metal Surfaces, Surface Preparation .....	1.77	
For Up To 100, Add	1.04	
For >100 To 250, Add	0.48	
For >250 To 500, Add	0.21	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 15,000, Deduct	-0.16	
For >15,000 To 30,000, Deduct	-0.25	
For >30,000, Deduct	-0.33	
09 91 43 00-0025 SF Loose Mill Scale With Fine Powder Rust, Near White Blast, Metal Surfaces, Surface Preparation.....	1.35	
For Up To 100, Add	0.77	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.15	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 15,000, Deduct	-0.12	
For >15,000 To 30,000, Deduct	-0.19	
For >30,000, Deduct	-0.25	
09 91 43 00-0026 SF Tight Mill Scale Little Rust, Near White Blast, Metal Surfaces, Surface Preparation .....	1.68	
For Up To 100, Add	0.95	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 15,000, Deduct	-0.15	
For >15,000 To 30,000, Deduct	-0.24	
For >30,000, Deduct	-0.32	
09 91 43 00-0027 SF Exterior Coat Blistered Pitted Rust, Near White Blast, Metal Surfaces, Surface Preparation.....	2.18	
For Up To 100, Add	1.25	
For >100 To 250, Add	0.58	
For >250 To 500, Add	0.25	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 15,000, Deduct	-0.20	
For >15,000 To 30,000, Deduct	-0.31	
For >30,000, Deduct	-0.41	
09 91 43 00-0028 SF Badly Pitted Rust Nodules, Near White Blast, Metal Surfaces, Surface Preparation.....	2.72	
For Up To 100, Add	1.55	
For >100 To 250, Add	0.72	
For >250 To 500, Add	0.31	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 15,000, Deduct	-0.25	
For >15,000 To 30,000, Deduct	-0.39	
For >30,000, Deduct	-0.51	
<b>09 91 43 00-0029 Tile Surfaces</b> <small>(09 91 43 00-0001)</small>	<b>19.90</b>	
09 91 43 00-0030 CSF Alkaline Cleaner, Brush And Wash Tile Surface.....	14.78	
For Up To 100, Add	6.90	
For >100 To 250, Add	2.96	
For >250 To 500, Add	-0.99	
For >5,000 To 10,000, Deduct	-1.98	
For >10,000 To 15,000, Deduct	-2.98	
For >15,000 To 30,000, Deduct	-3.97	
For >30,000, Deduct		
09 91 43 00-0031 SF Up To 5,000 PSI, Pressure Wash Tile Surface.....	0.17	
For Up To 100, Add	0.10	
For >100 To 250, Add	0.05	
For >250 To 500, Add	0.02	
For >5,000 To 10,000, Deduct	-0.01	
For >10,000 To 15,000, Deduct	-0.02	
For >15,000 To 30,000, Deduct	-0.02	
For >30,000, Deduct	-0.03	

09 91 43 00-0032 Wood Surfaces (09 91 43 00-0001)

**09 Finishes**

**09 90 Painting And Coating**

**09 91 Painting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0033	SF		Chemical Clean, Brush And Wash Wood Surface .....	0.33	
			For Up To 100, Add	0.17	
			For >100 To 250, Add	0.08	
			For >250 To 500, Add	0.03	
			For >5,000 To 10,000, Deduct	-0.01	
			For >10,000 To 15,000, Deduct	-0.03	
			For >15,000 To 30,000, Deduct	-0.05	
			For >30,000, Deduct	-0.06	
09 91 43 00-0034	SF		Hand Scrape Wood Surface .....	0.37	
			For Up To 100, Add	0.28	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.04	
			For >15,000 To 30,000, Deduct	-0.06	
			For >30,000, Deduct	-0.07	
09 91 43 00-0035	SF		Steam Clean Wood Surface .....	0.38	
			For Up To 100, Add	0.22	
			For >100 To 250, Add	0.10	
			For >250 To 500, Add	0.04	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.03	
			For >15,000 To 30,000, Deduct	-0.05	
			For >30,000, Deduct	-0.07	
09 91 43 00-0036	SF		Up To 5,000 PSI, Pressure Wash Wood Surface .....	0.26	
			For Up To 100, Add	0.15	
			For >100 To 250, Add	0.07	
			For >250 To 500, Add	0.03	
			For >5,000 To 10,000, Deduct	-0.01	
			For >10,000 To 15,000, Deduct	-0.02	
			For >15,000 To 30,000, Deduct	-0.04	
			For >30,000, Deduct	-0.05	
09 91 43 00-0037	SF		Sanding Wood Paneling, Boards, Doors, Etcetera .....	0.42	
			For Up To 100, Add	0.29	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.04	
			For >15,000 To 30,000, Deduct	-0.06	
			For >30,000, Deduct	-0.08	
09 91 43 00-0038	SF		Sanding Wood Trim .....	0.56	
			For Up To 100, Add	0.39	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.05	
			For >15,000 To 30,000, Deduct	-0.08	
			For >30,000, Deduct	-0.11	
09 91 43 00-0039	SF		Prepare New Wood Floor For Finish, Multi Grit Sanding/Screening .....	0.54	
			For Up To 100, Add	0.37	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.05	
			For >15,000 To 30,000, Deduct	-0.08	
			For >30,000, Deduct	-0.11	
09 91 43 00-0040	SF		Prime Wood Surfaces With Linseed Oil, 1 Coat .....	0.40	
			For Up To 100, Add	0.24	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.04	
			For >15,000 To 30,000, Deduct	-0.06	
			For >30,000, Deduct	-0.08	
09 91 43 00-0041	SF		Paint Wood Surfaces With Linseed Oil, 1 Coat.....	0.45	
			For Up To 100, Add	0.28	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.04	
			For >15,000 To 30,000, Deduct	-0.07	
			For >30,000, Deduct	-0.09	
09 91 43 00-0042			<b>Vinyl Siding Surfaces (09 91 43 00-0001)</b>		
09 91 43 00-0043	SF		Hand Wash, Vinyl Siding Surfaces .....	0.32	
			For Up To 100, Add	0.23	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.03	
			For >15,000 To 30,000, Deduct	-0.05	
			For >30,000, Deduct	-0.06	



<b>Finishes</b>	<b>09</b>	
Painting And Coating	09 90	9
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0044 SF Up To 5,000 PSI Pressure Wash, Vinyl Siding Surfaces.....	0.23	
For Up To 100, Add	0.12	
For >100 To 250, Add	0.06	
For >250 To 500, Add	0.02	
For >5,000 To 10,000, Deduct	-0.01	
For >10,000 To 15,000, Deduct	-0.02	
For >15,000 To 30,000, Deduct	-0.03	
For >30,000, Deduct	-0.04	
09 91 43 00-0045 SF Steam Clean, Vinyl Siding Surfaces .....	0.40	
For Up To 100, Add	0.22	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.04	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.04	
For >15,000 To 30,000, Deduct	-0.06	
For >30,000, Deduct	-0.07	
<b>09 91 43 00-0046 Prep Work (09 91 43 00-0001)</b>		
09 91 43 00-0047 SF Citrus Strip, Single Applications.....	0.58	
<b>09 91 43 00-0048 Plaster/Stucco (09 91 43 00-0001)</b>		
Note: Based on total project quantity.		
09 91 43 00-0049 SF Up To 5,000 PSI Pressure Wash Stucco Surfaces.....	0.29	
For Up To 100, Add	0.16	
For >100 To 250, Add	0.07	
For >250 To 500, Add	0.03	
For >5,000 To 10,000, Deduct	-0.01	
For >10,000 To 15,000, Deduct	-0.03	
For >15,000 To 30,000, Deduct	-0.04	
For >30,000, Deduct	-0.05	
<b>09 91 43 00-0050 Paint Removal, Strip To Bare Wood (09 91 43 00-0001)</b>		
09 91 43 00-0051 SF Flat Surfaces, Paint Removal, Strip To Bare Wood.....	3.61	
09 91 43 00-0052 SF Cornices And Decorative Trim To 12" Wide, Paint Removal, Strip To Bare Wood.....	3.86	
<b>09 91 43 00-0053 Corrosive Inhibitor Sealant For Concrete (09 91 43 00-0001)</b>		
09 91 43 00-0054 SF Corrosive Inhibitor Sealant For Concrete.....	0.41	
For Up To 100, Add	0.19	
For >100 To 250, Add	0.09	
For >250 To 500, Add	0.04	
<b>09 93 Staining And Transparent Finishing (09 90)</b>		
Note: Includes light sanding or screening between coats.		
<b>09 93 13 Exterior Staining And Finishing (09 93)</b>		
<b>09 93 13 13 Exterior Staining (09 93 13)</b>		
<b>09 93 13 13-0001 Stain Sealer (09 93 13 13)</b>		
Note: Measured by surface area of wall or ceiling.		
09 93 13 13-0002 SF Stain Sealer, Brush Work.....	0.48	
For Ceiling Work, Add	0.06	
For >5,000 To 10,000, Deduct	-0.01	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.04	
09 93 13 13-0003 SF Stain Sealer, Brush/Roller Work.....	0.39	
For Ceiling Work, Add	0.05	
For >5,000 To 10,000, Deduct	-0.01	
For >10,000 To 20,000, Deduct	-0.02	
For >20,000, Deduct	-0.03	
09 93 13 13-0004 SF Stain Sealer, Sprayed.....	0.16	
For Ceiling Work, Add	0.01	
For >5,000 To 10,000, Deduct	-0.01	
For >10,000 To 20,000, Deduct	-0.01	
For >20,000, Deduct	-0.02	
<b>09 93 23 Interior Staining And Finishing (09 93)</b>		
Note: VOC compliant in all regulated areas, review specifications for levels.		
<b>09 93 23 53 Interior Finishing (09 93 23)</b>		
<b>09 93 23 53-0001 Concrete Finishes (09 93 23 53)</b>		
09 93 23 53-0002 SF Finish Concrete Floor, 1 Coat Polyurethane.....	0.43	
For Up To 100, Add	0.24	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >4,000, Deduct	-0.02	



**09 Finishes**

**09 90 Painting And Coating**

**09 93 Staining And Transparent Finishing**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**09 93 23 53-0003 Wood Trim Finishes** (09 93 23 53)

09 93 23 53-0004	LF		Stain Wood Trim, Up To 6" Wide, 1 Coat Stain, With Brush And Wipe Off.....	0.56	
			<i>For Up To 100, Add</i>	0.40	
			<i>For &gt;100 To 250, Add</i>	0.19	
			<i>For &gt;250 To 500, Add</i>	0.08	
			<i>For &gt;4,000, Deduct</i>	-0.03	
09 93 23 53-0005	SF		Stain Wood Trim, 1 Coat Stain, With Brush And Wipe Off.....	0.85	
			<i>For Up To 100, Add</i>	0.59	
			<i>For &gt;100 To 250, Add</i>	0.28	
			<i>For &gt;250 To 500, Add</i>	0.12	
			<i>For &gt;4,000, Deduct</i>	-0.04	
09 93 23 53-0006	SF		Finish Wood Trim, 1 Coat Sealer And 1 Coat Varnish Or Polyurethane.....	0.71	
			<i>For Up To 100, Add</i>	0.45	
			<i>For &gt;100 To 250, Add</i>	0.22	
			<i>For &gt;250 To 500, Add</i>	0.09	
			<i>For &gt;4,000, Deduct</i>	-0.04	
09 93 23 53-0007	SF		Finish Wood Trim, 1 Coat Varnish Or Polyurethane.....	0.47	
			<i>For Up To 100, Add</i>	0.32	
			<i>For &gt;100 To 250, Add</i>	0.15	
			<i>For &gt;250 To 500, Add</i>	0.06	
			<i>For &gt;4,000, Deduct</i>	-0.02	

**09 93 23 53-0008 Wood Door And Window Finishes** (09 93 23 53)

See CSI section 08 14 16 00-0659 for factory finish.

09 93 23 53-0009	EA		Stain Wood Door, 1 Coat Stain With Brush And Wipe Off Wood Door (Per Face).....	27.08	
			<i>For Up To 4, Add</i>	19.65	
			<i>For &gt;4 To 10, Add</i>	9.20	
			<i>For &gt;10 To 20, Add</i>	3.95	
			<i>For &gt;160, Deduct</i>	-1.35	
09 93 23 53-0010	EA		Stain Wood Window, 1 Coat Stain With Brush And Wipe Off Wood Window And Frame (Per Face).....	19.42	
			<i>For Up To 4, Add</i>	13.60	
			<i>For &gt;4 To 10, Add</i>	6.39	
			<i>For &gt;10 To 20, Add</i>	2.75	
			<i>For &gt;160, Deduct</i>	-0.97	
09 93 23 53-0011	EA		Varnish Or Polyurethane Wood Door, 1 Coat Shellac (Per Face).....	19.66	
			<i>For Up To 4, Add</i>	14.18	
			<i>For &gt;4 To 10, Add</i>	6.64	
			<i>For &gt;10 To 20, Add</i>	2.85	
			<i>For &gt;160, Deduct</i>	-0.98	
09 93 23 53-0012	EA		Varnish Or Polyurethane Wood Door, 3 Coats Shellac, With Light Sanding Between Coats (Per Face).....	60.00	
			<i>For Up To 4, Add</i>	42.37	
			<i>For &gt;4 To 10, Add</i>	19.90	
			<i>For &gt;10 To 20, Add</i>	8.56	
			<i>For &gt;160, Deduct</i>	-3.00	

**09 93 23 53-0013 Wood Floor Finishes** (09 93 23 53)

09 93 23 53-0014	SF		Stain Or Varnish Wood Floor, 1 Coat Stain, Brush Work.....	0.28	
			<i>For Up To 100, Add</i>	0.16	
			<i>For &gt;100 To 250, Add</i>	0.08	
			<i>For &gt;250 To 500, Add</i>	0.03	
			<i>For &gt;4,000, Deduct</i>	-0.01	
09 93 23 53-0015	SF		Stain Or Varnish Wood Floor, 1 Coat Stain, Brush/Roller Work.....	0.22	
			<i>For Up To 100, Add</i>	0.12	
			<i>For &gt;100 To 250, Add</i>	0.06	
			<i>For &gt;250 To 500, Add</i>	0.03	
			<i>For &gt;4,000, Deduct</i>	-0.01	
09 93 23 53-0016	SF		Refinish Wood Floor, 2 Coats Polyurethane.....	1.16	
			Note: Includes sanding existing floor.		
			<i>For Up To 100, Add</i>	0.79	
			<i>For &gt;100 To 250, Add</i>	0.37	
			<i>For &gt;250 To 500, Add</i>	0.16	
			<i>For &gt;4,000, Deduct</i>	-0.06	
09 93 23 53-0017	SF		Polyurethane Wood Floor, 1 Coat Polyurethane, With Wool Applicator Or Brush Work.....	0.37	
			Note: Includes screening between coats.		
			<i>For Up To 100, Add</i>	0.24	
			<i>For &gt;100 To 250, Add</i>	0.11	
			<i>For &gt;250 To 500, Add</i>	0.05	
			<i>For &gt;4,000, Deduct</i>	-0.02	
09 93 23 53-0018	SF		Refinish Wood Floor, 1 Coat Sealer And 2 Coats Polyurethane.....	1.33	
			Note: Includes sanding existing floor.		
			<i>For Up To 100, Add</i>	0.89	
			<i>For &gt;100 To 250, Add</i>	0.42	
			<i>For &gt;250 To 500, Add</i>	0.18	
			<i>For &gt;4,000, Deduct</i>	-0.07	

**09 93 23 53-0019 Cabinet Finishes** (09 93 23 53)

09 93 23 53-0020	SF		Stain Cabinet, 1 Coat Stain With Brush And Wipe.....	0.67	
09 93 23 53-0021	SF		Stain Cabinet, 1 Coat Shellac, Varnish Or Polyurethane.....	0.68	

**09 93 23 53-0022 Gym, Stage And Dance Floor Finishes** (09 93 23 53)



<b>Finishes</b>	<b>09</b>	<b>9</b>
<b>Painting And Coating</b>	<b>09 90</b>	
<b>Staining And Transparent Finishing</b>	<b>09 93</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 53-0023	SF		Yearly Maintenance Refinish Of Gym, Stage Or Dance Floor .....0.87 Note: Includes screening, one coat of finish and buffing. Excludes repainting of game lines.		
09 93 23 53-0024	SF		Finish New Elementary School Wood Gym, Stage Or Dance Floor .....2.12 Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
			<i>For Stage Or Dance Floors, Deduct</i>	-0.04	
09 93 23 53-0025	SF		Finish New Middle Or Junior School Wood Gym, Stage Or Dance Floor .....2.17 Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
			<i>For Stage Or Dance Floors, Deduct</i>	-0.04	
09 93 23 53-0026	SF		Finish New High School Wood Gym, Stage Or Dance Floor .....2.21 Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
			<i>For Stage Or Dance Floors, Deduct</i>	-0.04	
09 93 23 53-0027	SF		Refinish Existing Elementary School Wood Gym, Stage Or Dance Floor .....2.12 Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
			<i>For Stage Or Dance Floors, Deduct</i>	-0.04	
09 93 23 53-0028	SF		Refinish Existing Middle Or Junior School Wood Gym, Stage Or Dance Floor .....2.17 Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
			<i>For Stage Or Dance Floors, Deduct</i>	-0.04	
09 93 23 53-0029	SF		Refinish Existing High School Wood Gym, Stage Or Dance Floor .....2.21 Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.		
			<i>For Stage Or Dance Floors, Deduct</i>	-0.04	

**09 96 High-Performance Coatings** (09 90)

**09 96 23 Graffiti-Resistant Coatings** (09 96)

**09 96 23 00-0001 Anti-Graffiti Coating** (09 96 23)

09 96 23 00-0002	SF		Sacrificial Anti-Graffiti Coating, Per Coat .....0.74		
			<i>For Up To 100, Add</i>	0.42	
			<i>For &gt;100 To 250, Add</i>	0.20	
			<i>For &gt;250 To 500, Add</i>	0.09	
09 96 23 00-0003	SF		Permanent (Non-Sacrificial) Anti-Graffiti Coating, Per Coat .....0.80		
			<i>For Up To 100, Add</i>	0.43	
			<i>For &gt;100 To 250, Add</i>	0.21	
			<i>For &gt;250 To 500, Add</i>	0.09	

**09 96 53 Elastomeric Coatings** (09 96)

**09 96 53 00-0001 Elastomeric** (09 96 53)

			Note: Per coat.		
09 96 53 00-0002	SF		Paint, Brush, Elastomeric, Per Coat .....1.46		
			<i>For Work &gt;20', Add</i>	0.20	
			Note: Applied only to work area above 20'.		
			<i>For Up To 100, Add</i>	0.69	
			<i>For &gt;100 To 250, Add</i>	0.34	
			<i>For &gt;250 To 500, Add</i>	0.15	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.07	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.15	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.22	
			<i>For &gt;20,000, Deduct</i>	-0.29	
09 96 53 00-0003	SF		Paint, Roller, Elastomeric, Per Coat .....1.22		
			<i>For Work &gt;20', Add</i>	0.14	
			Note: Applied only to work area above 20'.		
			<i>For Up To 100, Add</i>	0.51	
			<i>For &gt;100 To 250, Add</i>	0.26	
			<i>For &gt;250 To 500, Add</i>	0.12	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.12	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.18	
			<i>For &gt;20,000, Deduct</i>	-0.24	
09 96 53 00-0004	SF		Paint, Conventional Spray, Elastomeric, Per Coat .....1.23		
			<i>For Work &gt;20', Add</i>	0.11	
			Note: Applied only to work area above 20'.		
			<i>For Up To 100, Add</i>	0.45	
			<i>For &gt;100 To 250, Add</i>	0.24	
			<i>For &gt;250 To 500, Add</i>	0.11	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.12	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.18	
			<i>For &gt;20,000, Deduct</i>	-0.25	

**09 Finishes****09 90 Painting And Coating****09 96 High-Performance Coatings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0005 SF Paint, Airless Spray, Elastomeric, Per Coat.....	1.13	
For Work >20', Add	0.09	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.38	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
<b>09 96 56 Epoxy Coatings (09 96)</b>		
<b>09 96 56 00-0001 High Build Epoxy (09 96 56)</b>		
09 96 56 00-0002 SF High Build Epoxy - 50 Mil.....	2.49	
<b>09 96 56 00-0003 Laminated Epoxy With Fiberglass (09 96 56)</b>		
09 96 56 00-0004 SF Laminated Epoxy With Fiberglass.....	3.16	
<b>09 96 66 Aggregate Wall Coatings (09 96)</b>		
<b>09 96 66 00-0001 Troweled On (09 96 66)</b>		
09 96 66 00-0002 SF Exposed Aggregate - 1/16" To 1/4" - Troweled On.....	2.63	
09 96 66 00-0003 SF Exposed Aggregate - 1/2" To 5/8" Troweled On.....	4.67	
09 96 66 00-0004 SF Exposed Aggregate - 1" Troweled On.....	7.11	
<b>09 96 66 00-0005 Sprayed On (09 96 66)</b>		
09 96 66 00-0006 SF Exposed Aggregate - 1/8" - Sprayed On.....	2.17	
<b>09 97 Special Coatings (09 90)</b>		
<b>09 97 13 Steel Coatings (09 97)</b>		
<b>09 97 13 23 Exterior Steel Coatings (09 97 13)</b>		
<b>09 97 13 23-0001 Surface Preparation For Structural Steel (09 97 13 23)</b>		
Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.		
<b>09 97 13 23-0002 SSPC SP2 Or 3 Hand Or Power Tool Cleaning Surface Preparation For Structural Steel (09 97 13 23-0001)</b>		
09 97 13 23-0003 SF Type 1 Structural Steel SP2/3 Hand Or Power Tool Cleaning Surface Preparation.....	0.74	
For Up To 100, Add	0.56	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
09 97 13 23-0004 SF Type 2 Structural Steel SP2/3 Hand Or Power Tool Cleaning Surface Preparation.....	0.70	
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
09 97 13 23-0005 SF Type 3 Structural Steel SP2/3 Hand Or Power Tool Cleaning Surface Preparation.....	0.70	
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
09 97 13 23-0006 SF Up To 14" Diameter Pipe SP2/3 Hand Or Power Tool Cleaning Surface Preparation.....	0.96	
For Up To 100, Add	0.72	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.14	
<b>09 97 13 23-0007 SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Structural Steel (09 97 13 23-0001)</b>		
09 97 13 23-0008 SF Type 1 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation.....	0.56	
For Up To 100, Add	0.37	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	
09 97 13 23-0009 SF Type 2 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation.....	0.50	
For Up To 100, Add	0.33	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
09 97 13 23-0010 SF Type 3 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation.....	0.49	
For Up To 100, Add	0.33	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
09 97 13 23-0011 SF Up To 14" Diameter Pipe SP7 Brush Off Blast Cleaning Surface Preparation.....	0.69	
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	



<b>Finishes</b>	<b>09</b>	<b>2</b>
Painting And Coating	09 90	
Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>09 97 13 23-0012 SSSP SP6 Commercial Blast Cleaning Surface Preparation For Structural Steel</b> <small>(09 97 13 23-0001)</small>		
09 97 13 23-0013 SF Type 1 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....	1.42	
For Up To 100, Add	0.97	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
09 97 13 23-0014 SF Type 2 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....	1.25	
For Up To 100, Add	0.84	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.17	
09 97 13 23-0015 SF Type 3 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....	1.16	
For Up To 100, Add	0.77	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
09 97 13 23-0016 SF Up To 14" Diameter Pipe SP6 Commercial Blast Cleaning Surface Preparation .....	1.77	
For Up To 100, Add	1.23	
For >100 To 250, Add	0.58	
For >250 To 500, Add	0.25	
<b>09 97 13 23-0017 SSSP SP5 White Metal Blast Cleaning Surface Preparation For Structural Steel</b> <small>(09 97 13 23-0001)</small>		
09 97 13 23-0018 SF Type 1 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....	2.74	
For Up To 100, Add	1.89	
For >100 To 250, Add	0.89	
For >250 To 500, Add	0.38	
09 97 13 23-0019 SF Type 2 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....	2.36	
For Up To 100, Add	1.61	
For >100 To 250, Add	0.76	
For >250 To 500, Add	0.33	
09 97 13 23-0020 SF Type 3 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation.....	2.18	
For Up To 100, Add	1.47	
For >100 To 250, Add	0.70	
For >250 To 500, Add	0.30	
09 97 13 23-0021 SF Up To 14" Diameter Pipe SP5 White Metal Blast Cleaning Surface Preparation.....	3.28	
For Up To 100, Add	2.29	
For >100 To 250, Add	1.08	
For >250 To 500, Add	0.46	
<b>09 97 13 23-0022 SSSP SP10 Near White Metal Blast Cleaning Surface Preparation For Structural Steel</b> <small>(09 97 13 23-0001)</small>		
09 97 13 23-0023 SF Type 1 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation .....	2.05	
For Up To 100, Add	1.40	
For >100 To 250, Add	0.66	
For >250 To 500, Add	0.28	
09 97 13 23-0024 SF Type 2 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation .....	1.75	
For Up To 100, Add	1.19	
For >100 To 250, Add	0.56	
For >250 To 500, Add	0.24	
09 97 13 23-0025 SF Type 3 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation .....	1.65	
For Up To 100, Add	1.12	
For >100 To 250, Add	0.53	
For >250 To 500, Add	0.23	
09 97 13 23-0026 SF Up To 14" Diameter Pipe SP10 Near White Metal Blast Cleaning Surface Preparation.....	2.39	
For Up To 100, Add	1.67	
For >100 To 250, Add	0.79	
For >250 To 500, Add	0.34	
<b>09 97 13 23-0027 Protective Coatings For Tanks And Structural Steel</b> <small>(09 97 13 23)</small>		
Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.		
<b>09 97 13 23-0028 1.5 Mil Prime Coat For Structural Steel</b> <small>(09 97 13 23-0027)</small>		
09 97 13 23-0029 SF Spray Type 1 Structural Steel 1.5 Mil Prime Coat.....	0.54	
For Up To 100, Add	0.34	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
09 97 13 23-0030 SF Spray Type 2 Structural Steel 1.5 Mil Prime Coat.....	0.40	
For Up To 100, Add	0.25	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
09 97 13 23-0031 SF Spray Type 3 Structural Steel 1.5 Mil Prime Coat.....	0.36	
For Up To 100, Add	0.22	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.05	
09 97 13 23-0032 SF Spray Up To 14" Diameter Pipe 1.5 Mil Prime Coat .....	0.64	
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	

**09 Finishes**

**09 90 Painting And Coating**

**09 97 Special Coatings**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0033	SF		Brush Type 1 Structural Steel 1.5 Mil Prime Coat.....	0.75	
			<i>For Up To 100, Add</i>	0.50	
			<i>For &gt;100 To 250, Add</i>	0.24	
			<i>For &gt;250 To 500, Add</i>	0.10	
09 97 13 23-0034	SF		Brush Type 2 Structural Steel 1.5 Mil Prime Coat.....	0.55	
			<i>For Up To 100, Add</i>	0.36	
			<i>For &gt;100 To 250, Add</i>	0.17	
			<i>For &gt;250 To 500, Add</i>	0.07	
09 97 13 23-0035	SF		Brush Type 3 Structural Steel 1.5 Mil Prime Coat.....	0.49	
			<i>For Up To 100, Add</i>	0.31	
			<i>For &gt;100 To 250, Add</i>	0.15	
			<i>For &gt;250 To 500, Add</i>	0.06	
09 97 13 23-0036	SF		Brush Up To 14" Diameter Pipe 1.5 Mil Prime Coat .....	0.90	
			<i>For Up To 100, Add</i>	0.61	
			<i>For &gt;100 To 250, Add</i>	0.29	
			<i>For &gt;250 To 500, Add</i>	0.12	
<b>09 97 13 23-0037 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Structural Steel (09 97 13</b>					
			<small>23-0027)</small>		
09 97 13 23-0038	SF		Spray Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	1.60	
			<i>For Up To 100, Add</i>	0.99	
			<i>For &gt;100 To 250, Add</i>	0.47	
			<i>For &gt;250 To 500, Add</i>	0.21	
09 97 13 23-0039	SF		Spray Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	1.17	
			<i>For Up To 100, Add</i>	0.69	
			<i>For &gt;100 To 250, Add</i>	0.33	
			<i>For &gt;250 To 500, Add</i>	0.14	
09 97 13 23-0040	SF		Spray Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	1.09	
			<i>For Up To 100, Add</i>	0.63	
			<i>For &gt;100 To 250, Add</i>	0.30	
			<i>For &gt;250 To 500, Add</i>	0.13	
09 97 13 23-0041	SF		Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	1.91	
			<i>For Up To 100, Add</i>	1.22	
			<i>For &gt;100 To 250, Add</i>	0.58	
			<i>For &gt;250 To 500, Add</i>	0.25	
09 97 13 23-0042	SF		Spray Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	1.19	
			<i>For Up To 100, Add</i>	0.74	
			<i>For &gt;100 To 250, Add</i>	0.35	
			<i>For &gt;250 To 500, Add</i>	0.15	
09 97 13 23-0043	SF		Spray Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	0.88	
			<i>For Up To 100, Add</i>	0.52	
			<i>For &gt;100 To 250, Add</i>	0.25	
			<i>For &gt;250 To 500, Add</i>	0.11	
09 97 13 23-0044	SF		Spray Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	0.83	
			<i>For Up To 100, Add</i>	0.48	
			<i>For &gt;100 To 250, Add</i>	0.23	
			<i>For &gt;250 To 500, Add</i>	0.10	
09 97 13 23-0045	SF		Spray Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	1.44	
			<i>For Up To 100, Add</i>	0.92	
			<i>For &gt;100 To 250, Add</i>	0.44	
			<i>For &gt;250 To 500, Add</i>	0.19	
09 97 13 23-0046	SF		Brush Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	2.39	
			<i>For Up To 100, Add</i>	1.58	
			<i>For &gt;100 To 250, Add</i>	0.75	
			<i>For &gt;250 To 500, Add</i>	0.32	
09 97 13 23-0047	SF		Brush Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	1.71	
			<i>For Up To 100, Add</i>	1.10	
			<i>For &gt;100 To 250, Add</i>	0.52	
			<i>For &gt;250 To 500, Add</i>	0.23	
09 97 13 23-0048	SF		Brush Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	1.58	
			<i>For Up To 100, Add</i>	1.00	
			<i>For &gt;100 To 250, Add</i>	0.48	
			<i>For &gt;250 To 500, Add</i>	0.21	
09 97 13 23-0049	SF		Brush Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	2.91	
			<i>For Up To 100, Add</i>	1.97	
			<i>For &gt;100 To 250, Add</i>	0.93	
			<i>For &gt;250 To 500, Add</i>	0.40	
09 97 13 23-0050	SF		Brush Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	1.79	
			<i>For Up To 100, Add</i>	1.19	
			<i>For &gt;100 To 250, Add</i>	0.56	
			<i>For &gt;250 To 500, Add</i>	0.24	
09 97 13 23-0051	SF		Brush Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	1.29	
			<i>For Up To 100, Add</i>	0.82	
			<i>For &gt;100 To 250, Add</i>	0.39	
			<i>For &gt;250 To 500, Add</i>	0.17	
09 97 13 23-0052	SF		Brush Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	1.20	
			<i>For Up To 100, Add</i>	0.76	
			<i>For &gt;100 To 250, Add</i>	0.36	
			<i>For &gt;250 To 500, Add</i>	0.16	
09 97 13 23-0053	SF		Brush Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	2.19	
			<i>For Up To 100, Add</i>	1.48	
			<i>For &gt;100 To 250, Add</i>	0.70	
			<i>For &gt;250 To 500, Add</i>	0.30	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0054			<b>Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Structural Steel</b> <small>(09 97 13 23-0027)</small>		
09 97 13 23-0055	SF		Spray Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	1.23	
			<i>For Up To 100, Add</i>	0.77	
			<i>For &gt;100 To 250, Add</i>	0.37	
			<i>For &gt;250 To 500, Add</i>	0.16	
09 97 13 23-0056	SF		Spray Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	1.01	
			<i>For Up To 100, Add</i>	0.62	
			<i>For &gt;100 To 250, Add</i>	0.30	
			<i>For &gt;250 To 500, Add</i>	0.13	
09 97 13 23-0057	SF		Spray Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	0.93	
			<i>For Up To 100, Add</i>	0.56	
			<i>For &gt;100 To 250, Add</i>	0.27	
			<i>For &gt;250 To 500, Add</i>	0.12	
09 97 13 23-0058	SF		Spray Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	1.51	
			<i>For Up To 100, Add</i>	0.98	
			<i>For &gt;100 To 250, Add</i>	0.46	
			<i>For &gt;250 To 500, Add</i>	0.20	
09 97 13 23-0059	SF		Spray Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	0.78	
			<i>For Up To 100, Add</i>	0.49	
			<i>For &gt;100 To 250, Add</i>	0.23	
			<i>For &gt;250 To 500, Add</i>	0.10	
09 97 13 23-0060	SF		Spray Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	0.64	
			<i>For Up To 100, Add</i>	0.39	
			<i>For &gt;100 To 250, Add</i>	0.19	
			<i>For &gt;250 To 500, Add</i>	0.08	
09 97 13 23-0061	SF		Spray Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	0.60	
			<i>For Up To 100, Add</i>	0.36	
			<i>For &gt;100 To 250, Add</i>	0.17	
			<i>For &gt;250 To 500, Add</i>	0.08	
09 97 13 23-0062	SF		Spray Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	0.97	
			<i>For Up To 100, Add</i>	0.63	
			<i>For &gt;100 To 250, Add</i>	0.30	
			<i>For &gt;250 To 500, Add</i>	0.13	
09 97 13 23-0063	SF		Brush Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	1.70	
			<i>For Up To 100, Add</i>	1.13	
			<i>For &gt;100 To 250, Add</i>	0.53	
			<i>For &gt;250 To 500, Add</i>	0.23	
09 97 13 23-0064	SF		Brush Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	1.39	
			<i>For Up To 100, Add</i>	0.90	
			<i>For &gt;100 To 250, Add</i>	0.43	
			<i>For &gt;250 To 500, Add</i>	0.19	
09 97 13 23-0065	SF		Brush Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	1.28	
			<i>For Up To 100, Add</i>	0.82	
			<i>For &gt;100 To 250, Add</i>	0.39	
			<i>For &gt;250 To 500, Add</i>	0.17	
09 97 13 23-0066	SF		Brush Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	2.13	
			<i>For Up To 100, Add</i>	1.44	
			<i>For &gt;100 To 250, Add</i>	0.68	
			<i>For &gt;250 To 500, Add</i>	0.29	
09 97 13 23-0067	SF		Brush Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	1.09	
			<i>For Up To 100, Add</i>	0.72	
			<i>For &gt;100 To 250, Add</i>	0.34	
			<i>For &gt;250 To 500, Add</i>	0.15	
09 97 13 23-0068	SF		Brush Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	0.90	
			<i>For Up To 100, Add</i>	0.59	
			<i>For &gt;100 To 250, Add</i>	0.28	
			<i>For &gt;250 To 500, Add</i>	0.12	
09 97 13 23-0069	SF		Brush Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	0.82	
			<i>For Up To 100, Add</i>	0.53	
			<i>For &gt;100 To 250, Add</i>	0.25	
			<i>For &gt;250 To 500, Add</i>	0.11	
09 97 13 23-0070	SF		Brush Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	1.36	
			<i>For Up To 100, Add</i>	0.92	
			<i>For &gt;100 To 250, Add</i>	0.43	
			<i>For &gt;250 To 500, Add</i>	0.19	
09 97 13 23-0071			<b>2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Structural Steel</b> <small>(09 97 13 23-0027)</small>		
09 97 13 23-0072	SF		Spray Type 1 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	2.10	
			<i>For Up To 100, Add</i>	1.16	
			<i>For &gt;100 To 250, Add</i>	0.56	
			<i>For &gt;250 To 500, Add</i>	0.25	
09 97 13 23-0073	SF		Spray Type 2 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	1.56	
			<i>For Up To 100, Add</i>	0.79	
			<i>For &gt;100 To 250, Add</i>	0.39	
			<i>For &gt;250 To 500, Add</i>	0.17	
09 97 13 23-0074	SF		Spray Type 3 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	1.41	
			<i>For Up To 100, Add</i>	0.68	
			<i>For &gt;100 To 250, Add</i>	0.34	
			<i>For &gt;250 To 500, Add</i>	0.15	
09 97 13 23-0075	SF		Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	2.36	
			<i>For Up To 100, Add</i>	1.34	
			<i>For &gt;100 To 250, Add</i>	0.65	
			<i>For &gt;250 To 500, Add</i>	0.28	

**09 Finishes****09 90 Painting And Coating****09 97 Special Coatings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0076	SF		Spray Type 1 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	1.47	
			<i>For Up To 100, Add</i>	0.81	
			<i>For &gt;100 To 250, Add</i>	0.39	
			<i>For &gt;250 To 500, Add</i>	0.17	
09 97 13 23-0077	SF		Spray Type 2 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	1.09	
			<i>For Up To 100, Add</i>	0.55	
			<i>For &gt;100 To 250, Add</i>	0.27	
			<i>For &gt;250 To 500, Add</i>	0.12	
09 97 13 23-0078	SF		Spray Type 3 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	0.99	
			<i>For Up To 100, Add</i>	0.48	
			<i>For &gt;100 To 250, Add</i>	0.24	
			<i>For &gt;250 To 500, Add</i>	0.10	
09 97 13 23-0079	SF		Spray Up To 14" Diameter Pipe Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	1.65	
			<i>For Up To 100, Add</i>	0.93	
			<i>For &gt;100 To 250, Add</i>	0.45	
			<i>For &gt;250 To 500, Add</i>	0.20	
<b>09 97 13 23-0080 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Structural Steel</b> <small>(09 97 13 23-0027)</small>					
09 97 13 23-0081	SF		Spray Type 1 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	2.30	
			<i>For Up To 100, Add</i>	1.19	
			<i>For &gt;100 To 250, Add</i>	0.58	
			<i>For &gt;250 To 500, Add</i>	0.26	
09 97 13 23-0082	SF		Spray Type 2 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	1.74	
			<i>For Up To 100, Add</i>	0.82	
			<i>For &gt;100 To 250, Add</i>	0.41	
			<i>For &gt;250 To 500, Add</i>	0.18	
09 97 13 23-0083	SF		Spray Type 3 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	1.59	
			<i>For Up To 100, Add</i>	0.71	
			<i>For &gt;100 To 250, Add</i>	0.35	
			<i>For &gt;250 To 500, Add</i>	0.16	
09 97 13 23-0084	SF		Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	2.57	
			<i>For Up To 100, Add</i>	1.37	
			<i>For &gt;100 To 250, Add</i>	0.67	
			<i>For &gt;250 To 500, Add</i>	0.29	
09 97 13 23-0085	SF		Spray Type 1 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	1.89	
			<i>For Up To 100, Add</i>	0.97	
			<i>For &gt;100 To 250, Add</i>	0.48	
			<i>For &gt;250 To 500, Add</i>	0.21	
09 97 13 23-0086	SF		Spray Type 2 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	1.44	
			<i>For Up To 100, Add</i>	0.68	
			<i>For &gt;100 To 250, Add</i>	0.34	
			<i>For &gt;250 To 500, Add</i>	0.15	
09 97 13 23-0087	SF		Spray Type 3 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	1.31	
			<i>For Up To 100, Add</i>	0.58	
			<i>For &gt;100 To 250, Add</i>	0.29	
			<i>For &gt;250 To 500, Add</i>	0.13	
09 97 13 23-0088	SF		Spray Up To 14" Diameter Pipe Two 6 Mil High Build Epoxy Finish Coats.....	2.10	
			<i>For Up To 100, Add</i>	1.12	
			<i>For &gt;100 To 250, Add</i>	0.55	
			<i>For &gt;250 To 500, Add</i>	0.24	
<b>09 97 13 23-0089 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Structural Steel</b> <small>(09 97 13 23-0027)</small>					
09 97 13 23-0090	SF		Spray Type 1 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	4.76	
			<i>For Up To 100, Add</i>	2.54	
			<i>For &gt;100 To 250, Add</i>	1.24	
			<i>For &gt;250 To 500, Add</i>	0.54	
09 97 13 23-0091	SF		Spray Type 2 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	3.68	
			<i>For Up To 100, Add</i>	1.84	
			<i>For &gt;100 To 250, Add</i>	0.90	
			<i>For &gt;250 To 500, Add</i>	0.40	
09 97 13 23-0092	SF		Spray Type 3 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	3.57	
			<i>For Up To 100, Add</i>	1.75	
			<i>For &gt;100 To 250, Add</i>	0.86	
			<i>For &gt;250 To 500, Add</i>	0.38	
09 97 13 23-0093	SF		Spray Up To 14" Diameter Pipe 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	5.46	
			<i>For Up To 100, Add</i>	3.04	
			<i>For &gt;100 To 250, Add</i>	1.47	
			<i>For &gt;250 To 500, Add</i>	0.64	
<b>09 97 13 23-0094 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Structural Steel</b> <small>(09 97 13 23-0027)</small>					
09 97 13 23-0095	SF		Spray Type 1 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	2.58	
			<i>For Up To 100, Add</i>	1.25	
			<i>For &gt;100 To 250, Add</i>	0.62	
			<i>For &gt;250 To 500, Add</i>	0.27	
09 97 13 23-0096	SF		Spray Type 2 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	2.11	
			<i>For Up To 100, Add</i>	0.90	
			<i>For &gt;100 To 250, Add</i>	0.46	
			<i>For &gt;250 To 500, Add</i>	0.20	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting And Coating	09 90	
Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0097 SF Spray Type 3 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	2.02	
For Up To 100, Add	0.84	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.19	
09 97 13 23-0098 SF Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats .....	2.88	
For Up To 100, Add	1.46	
For >100 To 250, Add	0.72	
For >250 To 500, Add	0.32	
09 97 13 23-0099 SF Spray Type 1 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	2.03	
For Up To 100, Add	0.98	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.21	
09 97 13 23-0100 SF Spray Type 2 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	1.66	
For Up To 100, Add	0.71	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
09 97 13 23-0101 SF Spray Type 3 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	1.59	
For Up To 100, Add	0.66	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.15	
09 97 13 23-0102 SF Spray Up To 14" Diameter Pipe Two 4 Mil High Build Vinyl Finish Coats.....	2.28	
For Up To 100, Add	1.15	
For >100 To 250, Add	0.57	
For >250 To 500, Add	0.25	
<b>09 97 13 23-0103 Two 8 Mil Coal Tar Epoxy Coats For Structural Steel</b> (09 97 13 23-0027)		
09 97 13 23-0104 SF Spray Type 1 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	2.09	
For Up To 100, Add	1.18	
For >100 To 250, Add	0.57	
For >250 To 500, Add	0.25	
09 97 13 23-0105 SF Spray Type 2 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	1.72	
For Up To 100, Add	0.94	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.20	
09 97 13 23-0106 SF Spray Type 3 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	1.60	
For Up To 100, Add	0.85	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
09 97 13 23-0107 SF Spray Up To 14" Diameter Pipe Two 8 Mil Coal Tar Epoxy Coats.....	2.54	
For Up To 100, Add	1.50	
For >100 To 250, Add	0.72	
For >250 To 500, Add	0.31	
<b>09 97 13 23-0108 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Structural Steel</b> (09 97 13 23-0027)		
09 97 13 23-0109 SF Spray Type 1 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	1.97	
For Up To 100, Add	1.18	
For >100 To 250, Add	0.57	
For >250 To 500, Add	0.25	
09 97 13 23-0110 SF Spray Type 2 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	1.44	
For Up To 100, Add	0.80	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
09 97 13 23-0111 SF Spray Type 3 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	1.24	
For Up To 100, Add	0.65	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
09 97 13 23-0112 SF Spray Up To 14" Diameter Pipe One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat .....	2.23	
For Up To 100, Add	1.36	
For >100 To 250, Add	0.65	
For >250 To 500, Add	0.28	
<b>09 97 13 23-0113 One 3 Mil High Zinc Silicate Coat For Structural Steel</b> (09 97 13 23-0027)		
09 97 13 23-0114 SF Spray Type 1 Structural Steel One 3 Mil High Zinc Silicate Coat.....	1.13	
For Up To 100, Add	0.54	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
09 97 13 23-0115 SF Spray Type 2 Structural Steel One 3 Mil High Zinc Silicate Coat.....	0.85	
For Up To 100, Add	0.36	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
09 97 13 23-0116 SF Spray Type 3 Structural Steel One 3 Mil High Zinc Silicate Coat.....	0.81	
For Up To 100, Add	0.33	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	



**09 Finishes****09 90 Painting And Coating****09 97 Special Coatings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0117 SF Spray Up To 14" Diameter Pipe One 3 Mil High Zinc Silicate Coat .....	1.19	
For Up To 100, Add	0.57	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.13	
<b>09 97 13 23-0118 Two 1.5 Mil Vinyl Enamel Finish Coats For Structural Steel (09 97 13 23-0027)</b>		
Note: Installed over existing primer.		
09 97 13 23-0119 SF Spray Type 1 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats .....	1.68	
For Up To 100, Add	0.91	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
09 97 13 23-0120 SF Spray Type 2 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats .....	1.40	
For Up To 100, Add	0.73	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
09 97 13 23-0121 SF Spray Type 3 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats .....	1.24	
For Up To 100, Add	0.61	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
09 97 13 23-0122 SF Spray Up To 14" Diameter Pipe Two 1.5 Mil Vinyl Enamel Finish Coats .....	1.93	
For Up To 100, Add	1.08	
For >100 To 250, Add	0.52	
For >250 To 500, Add	0.23	
<b>09 97 13 24 Steel Water Storage Tank Painting (09 97 13)</b>		
<b>09 97 13 24-0001 Surface Preparation For Tanks (09 97 13 24)</b>		
Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.		
<b>09 97 13 24-0002 SSPC SP2 Or 3 Hand Or Power Tool Cleaning Surface Preparation For Tanks (09 97 13 24-0001)</b>		
09 97 13 24-0003 SF Small Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation .....	0.70	
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
09 97 13 24-0004 SF Large Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation .....	0.62	
For Up To 100, Add	0.47	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
09 97 13 24-0005 SF Vessel/Tank Interior SP2/3 Hand Or Power Tool Cleaning Surface Preparation .....	0.89	
For Up To 100, Add	0.67	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.13	
<b>09 97 13 24-0006 SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)</b>		
09 97 13 24-0007 SF Small Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation .....	0.47	
For Up To 100, Add	0.31	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.06	
09 97 13 24-0008 SF Large Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation .....	0.38	
For Up To 100, Add	0.26	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
09 97 13 24-0009 SF Vessel/Tank Interior SP7 Brush Off Blast Cleaning Surface Preparation .....	0.64	
For Up To 100, Add	0.45	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
<b>09 97 13 24-0010 SSPC SP6 Commercial Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)</b>		
09 97 13 24-0011 SF Small Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation .....	1.15	
For Up To 100, Add	0.77	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
09 97 13 24-0012 SF Large Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation .....	1.06	
For Up To 100, Add	0.71	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
09 97 13 24-0013 SF Vessel/Tank Interior SP6 Commercial Blast Cleaning Surface Preparation .....	1.52	
For Up To 100, Add	1.05	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.21	
<b>09 97 13 24-0014 SSPC SP5 White Metal Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)</b>		
09 97 13 24-0015 SF Small Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation .....	2.08	
For Up To 100, Add	1.40	
For >100 To 250, Add	0.66	
For >250 To 500, Add	0.29	



<b>Finishes</b>	<b>09</b>	<b>2</b>
Painting And Coating	09 90	
Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0016 SF Large Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation .....	1.99	
For Up To 100, Add	1.34	
For >100 To 250, Add	0.63	
For >250 To 500, Add	0.27	
09 97 13 24-0017 SF Vessel/Tank Interior SP5 White Metal Blast Cleaning Surface Preparation .....	2.85	
For Up To 100, Add	1.98	
For >100 To 250, Add	0.93	
For >250 To 500, Add	0.40	
<b>09 97 13 24-0018 SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)</b>		
09 97 13 24-0019 SF Small Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation.....	1.65	
For Up To 100, Add	1.12	
For >100 To 250, Add	0.53	
For >250 To 500, Add	0.23	
09 97 13 24-0020 SF Large Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation.....	1.65	
For Up To 100, Add	1.12	
For >100 To 250, Add	0.53	
For >250 To 500, Add	0.23	
09 97 13 24-0021 SF Vessel/Tank Interior SP10 Near White Metal Blast Cleaning Surface Preparation.....	2.39	
For Up To 100, Add	1.67	
For >100 To 250, Add	0.79	
For >250 To 500, Add	0.34	
<b>09 97 13 24-0022 Protective Coatings For Tanks (09 97 13 24)</b>		
Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.		
<b>09 97 13 24-0023 1.5 Mil Prime Coat For Tanks (09 97 13 24-0022)</b>		
09 97 13 24-0024 SF Spray Small Vessel/Tank 1.5 Mil Prime Coat .....	0.32	
For Up To 100, Add	0.19	
For >100 To 250, Add	0.09	
For >250 To 500, Add	0.04	
09 97 13 24-0025 SF Spray Large Vessel/Tank 1.5 Mil Prime Coat .....	0.27	
For Up To 100, Add	0.15	
For >100 To 250, Add	0.07	
For >250 To 500, Add	0.03	
09 97 13 24-0026 SF Spray Tank Interior 1.5 Mil Prime Coat.....	0.59	
For Up To 100, Add	0.39	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
09 97 13 24-0027 SF Brush Small Vessel/Tank 1.5 Mil Prime Coat .....	0.44	
For Up To 100, Add	0.28	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
09 97 13 24-0028 SF Brush Large Vessel/Tank 1.5 Mil Prime Coat .....	0.36	
For Up To 100, Add	0.22	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.05	
09 97 13 24-0029 SF Brush Tank Interior 1.5 Mil Prime Coat.....	0.85	
For Up To 100, Add	0.58	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
<b>09 97 13 24-0030 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Tanks (09 97 13 24-0022)</b>		
09 97 13 24-0031 SF Spray Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	0.96	
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
09 97 13 24-0032 SF Spray Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	0.76	
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
09 97 13 24-0033 SF Spray Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	1.70	
For Up To 100, Add	1.10	
For >100 To 250, Add	0.52	
For >250 To 500, Add	0.23	
09 97 13 24-0034 SF Spray Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	0.72	
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.09	
09 97 13 24-0035 SF Spray Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	0.58	
For Up To 100, Add	0.30	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.06	
09 97 13 24-0036 SF Spray Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	1.28	
For Up To 100, Add	0.82	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	

**09 Finishes**

**09 90 Painting And Coating**

**09 97 Special Coatings**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0037	SF		Brush Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	1.38	
			For Up To 100, Add	0.86	
			For >100 To 250, Add	0.41	
			For >250 To 500, Add	0.18	
09 97 13 24-0038	SF		Brush Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	1.07	
			For Up To 100, Add	0.62	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
09 97 13 24-0039	SF		Brush Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	2.60	
			For Up To 100, Add	1.77	
			For >100 To 250, Add	0.84	
			For >250 To 500, Add	0.36	
09 97 13 24-0040	SF		Brush Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.05	
			For Up To 100, Add	0.65	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.13	
09 97 13 24-0041	SF		Brush Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	0.80	
			For Up To 100, Add	0.46	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
09 97 13 24-0042	SF		Brush Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	1.96	
			For Up To 100, Add	1.33	
			For >100 To 250, Add	0.63	
			For >250 To 500, Add	0.27	
<b>09 97 13 24-0043 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Tanks (09 97 13 24-0022)</b>					
09 97 13 24-0044	SF		Spray Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	0.84	
			For Up To 100, Add	0.50	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
09 97 13 24-0045	SF		Spray Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	0.72	
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
09 97 13 24-0046	SF		Spray Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	1.74	
			For Up To 100, Add	1.17	
			For >100 To 250, Add	0.55	
			For >250 To 500, Add	0.24	
09 97 13 24-0047	SF		Spray Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	0.54	
			For Up To 100, Add	0.32	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.07	
09 97 13 24-0048	SF		Spray Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	0.47	
			For Up To 100, Add	0.27	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
09 97 13 24-0049	SF		Spray Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats.....	1.12	
			For Up To 100, Add	0.76	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.15	
09 97 13 24-0050	SF		Brush Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	1.15	
			For Up To 100, Add	0.73	
			For >100 To 250, Add	0.35	
			For >250 To 500, Add	0.15	
09 97 13 24-0051	SF		Brush Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	0.98	
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
09 97 13 24-0052	SF		Brush Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	2.63	
			For Up To 100, Add	1.89	
			For >100 To 250, Add	0.89	
			For >250 To 500, Add	0.38	
09 97 13 24-0053	SF		Brush Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	0.74	
			For Up To 100, Add	0.47	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
09 97 13 24-0054	SF		Brush Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	0.62	
			For Up To 100, Add	0.38	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
09 97 13 24-0055	SF		Brush Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats.....	1.73	
			For Up To 100, Add	1.21	
			For >100 To 250, Add	0.57	
			For >250 To 500, Add	0.25	
<b>09 97 13 24-0056 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Tanks (09 97 13 24-0022)</b>					
09 97 13 24-0057	SF		Spray Small Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	1.32	
			For Up To 100, Add	0.62	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.14	



<b>Finishes</b>	<b>09</b>	<b>9</b>
Painting And Coating	09 90	
Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0058 SF Spray Large Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	1.17	
<i>For Up To 100, Add</i>	0.51	
<i>For &gt;100 To 250, Add</i>	0.25	
<i>For &gt;250 To 500, Add</i>	0.11	
09 97 13 24-0059 SF Spray Small Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	0.92	
<i>For Up To 100, Add</i>	0.43	
<i>For &gt;100 To 250, Add</i>	0.21	
<i>For &gt;250 To 500, Add</i>	0.10	
09 97 13 24-0060 SF Spray Large Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	0.81	
<i>For Up To 100, Add</i>	0.35	
<i>For &gt;100 To 250, Add</i>	0.18	
<i>For &gt;250 To 500, Add</i>	0.08	
<b>09 97 13 24-0061 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Tanks</b> <small>(09 97 13 24-0022)</small>		
09 97 13 24-0062 SF Spray Small Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	1.49	
<i>For Up To 100, Add</i>	0.64	
<i>For &gt;100 To 250, Add</i>	0.32	
<i>For &gt;250 To 500, Add</i>	0.14	
09 97 13 24-0063 SF Spray Large Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	1.34	
<i>For Up To 100, Add</i>	0.53	
<i>For &gt;100 To 250, Add</i>	0.27	
<i>For &gt;250 To 500, Add</i>	0.12	
09 97 13 24-0064 SF Spray Small Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats.....	1.23	
<i>For Up To 100, Add</i>	0.53	
<i>For &gt;100 To 250, Add</i>	0.27	
<i>For &gt;250 To 500, Add</i>	0.12	
09 97 13 24-0065 SF Spray Large Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats.....	1.10	
<i>For Up To 100, Add</i>	0.44	
<i>For &gt;100 To 250, Add</i>	0.22	
<i>For &gt;250 To 500, Add</i>	0.10	
<b>09 97 13 24-0066 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Tanks</b> <small>(09 97 13 24-0022)</small>		
09 97 13 24-0067 SF Spray Small Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	3.44	
<i>For Up To 100, Add</i>	1.68	
<i>For &gt;100 To 250, Add</i>	0.83	
<i>For &gt;250 To 500, Add</i>	0.37	
09 97 13 24-0068 SF Spray Large Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	3.21	
<i>For Up To 100, Add</i>	1.51	
<i>For &gt;100 To 250, Add</i>	0.75	
<i>For &gt;250 To 500, Add</i>	0.33	
09 97 13 24-0069 SF Spray Tank Interior 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	5.01	
<i>For Up To 100, Add</i>	2.86	
<i>For &gt;100 To 250, Add</i>	1.38	
<i>For &gt;250 To 500, Add</i>	0.60	
<b>09 97 13 24-0070 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Tanks</b> <small>(09 97 13 24-0022)</small>		
09 97 13 24-0071 SF Spray Small Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	1.87	
<i>For Up To 100, Add</i>	0.80	
<i>For &gt;100 To 250, Add</i>	0.40	
<i>For &gt;250 To 500, Add</i>	0.18	
09 97 13 24-0072 SF Spray Large Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	1.70	
<i>For Up To 100, Add</i>	0.68	
<i>For &gt;100 To 250, Add</i>	0.35	
<i>For &gt;250 To 500, Add</i>	0.16	
09 97 13 24-0073 SF Spray Tank Interior 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	2.64	
<i>For Up To 100, Add</i>	1.38	
<i>For &gt;100 To 250, Add</i>	0.67	
<i>For &gt;250 To 500, Add</i>	0.30	
09 97 13 24-0074 SF Spray Small Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats.....	1.48	
<i>For Up To 100, Add</i>	0.64	
<i>For &gt;100 To 250, Add</i>	0.32	
<i>For &gt;250 To 500, Add</i>	0.14	
09 97 13 24-0075 SF Spray Large Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats.....	1.35	
<i>For Up To 100, Add</i>	0.54	
<i>For &gt;100 To 250, Add</i>	0.28	
<i>For &gt;250 To 500, Add</i>	0.12	
09 97 13 24-0076 SF Spray Tank Interior Two 4 Mil High Build Vinyl Finish Coats.....	2.08	
<i>For Up To 100, Add</i>	1.09	
<i>For &gt;100 To 250, Add</i>	0.53	
<i>For &gt;250 To 500, Add</i>	0.23	
<b>09 97 13 24-0077 Two 8 Mil Coal Tar Epoxy Coats For Tanks</b> <small>(09 97 13 24-0022)</small>		
09 97 13 24-0078 SF Spray Small Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats.....	1.58	
<i>For Up To 100, Add</i>	0.84	
<i>For &gt;100 To 250, Add</i>	0.41	
<i>For &gt;250 To 500, Add</i>	0.18	

**09 Finishes****09 90 Painting And Coating****09 97 Special Coatings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0079 SF Spray Large Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats .....	1.35	
For Up To 100, Add	0.67	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.15	
09 97 13 24-0080 SF Spray Tank Interior Two 8 Mil Coal Tar Epoxy Coats .....	1.97	
For Up To 100, Add	1.14	
For >100 To 250, Add	0.55	
For >250 To 500, Add	0.24	
<b>09 97 13 24-0081 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Tanks</b> (09 97 13 24-0022)		
09 97 13 24-0082 SF Spray Small Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	1.11	
For Up To 100, Add	0.56	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
09 97 13 24-0083 SF Spray Large Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	1.04	
For Up To 100, Add	0.51	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
09 97 13 24-0084 SF Spray Tank Interior One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	1.62	
For Up To 100, Add	0.95	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.20	
<b>09 97 13 24-0085 Two 6 Mil High Build Epoxy Finish Coats For Tanks Interior</b> (09 97 13 24-0022)		
09 97 13 24-0086 SF Spray Small Tank Interior Two 6 Mil High Build Epoxy Finish Coats .....	2.39	
For Up To 100, Add	1.29	
For >100 To 250, Add	0.63	
For >250 To 500, Add	0.27	
09 97 13 24-0087 SF Spray Large Tank Interior Two 6 Mil High Build Epoxy Finish Coats .....	1.54	
For Up To 100, Add	0.70	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.16	
<b>09 97 13 24-0088 One 3 Mil High Zinc Silicate Coat For Tanks</b> (09 97 13 24-0022)		
09 97 13 24-0089 SF Spray Small Vessel/Tank One 3 Mil High Zinc Silicate Coat .....	0.76	
For Up To 100, Add	0.30	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
09 97 13 24-0090 SF Spray Large Vessel/Tank One 3 Mil High Zinc Silicate Coat .....	0.74	
For Up To 100, Add	0.29	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
09 97 13 24-0091 SF Spray Tank Interior One 3 Mil High Zinc Silicate Coat .....	1.11	
For Up To 100, Add	0.56	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
<b>09 97 13 24-0092 Two 1.5 Mil Vinyl Enamel Finish Coats For Tanks</b> (09 97 13 24-0022)		
Note: Installed over existing primer.		
09 97 13 24-0093 SF Spray Small Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats .....	1.18	
For Up To 100, Add	0.57	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.13	
09 97 13 24-0094 SF Spray Large Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats.....	1.07	
For Up To 100, Add	0.49	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.11	
09 97 13 24-0095 SF Spray Tank Interior Two 1.5 Mil Vinyl Enamel Finish Coats .....	1.57	
For Up To 100, Add	0.87	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
<b>09 97 13 24-0096 One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat For Tanks</b> (09 97 13 24-0022)		
09 97 13 24-0097 SF Spray/Mop Large Vessel/Tank One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat.....	4.03	
For Up To 100, Add	2.38	
For >100 To 250, Add	1.14	
For >250 To 500, Add	0.50	
<b>09 97 26 Cementitious Coatings</b> (09 97)		
<b>09 97 26 13 Interior Cementitious Coatings</b> (09 97 26)		
09 97 26 13-0001 Ceramic-Like Glazed Coating (09 97 26 13)		
09 97 26 13-0002 Ceramic-Like Glazed Coating, Cementitious (09 97 26 13-0001)		



<b>Finishes</b>	<b>09</b>	<b>2</b>
Painting And Coating	09 90	
Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 26 13-0003 SF Ceramic-like Glazed Coating - Cementitious .....	1.98	
<b>09 97 26 13-0004 Ceramic-Like Glazed Coating, Resin Base (09 97 26 13-0001)</b>		
09 97 26 13-0005 SF Ceramic-like Glazed Coating - Resin.....	1.55	
<b>09 97 35 Dry Erase Coatings (09 97)</b>		
09 97 35 00-0001 Dry-Erase Paint (09 97 35)		
09 97 35 00-0002 Dry-Erase Paint (IdeaPaint™ PRO) (09 97 35 00-0001)		
09 97 35 00-0003 SF Dry-Erase Paint (IdeaPaint™ PRO), Applied With Roller .....	6.72	
Note: Includes two coats of primer and white, white sand, light beige or light gray surface.		
09 97 35 00-0004 Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE) (09 97 35 00-0001)		
09 97 35 00-0005 SF Clear, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller.....	3.77	
Note: For application over existing latex-based top coats.		
09 97 35 00-0006 SF Black Or White, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller .....	7.22	
Note: Includes two coats of primer and white or black surface coat.		
<b>09 97 63 Special Coatings and Protection Systems (09 97)</b>		
09 97 63 00-0001 Acrylic Glazed Coating (09 97 63)		
09 97 63 00-0002 SF Acrylic Glazed Coating .....	1.16	
09 97 63 00-0003 ENECON Coatings (09 97 63)		
09 97 63 00-0004 METALCLAD Systems (09 97 63 00-0003)		
Note: Material only. See CSI section 09 97 63 00-0003 for labor costs.		
09 97 63 00-0005 CI DurAlloy .....	8.01	
09 97 63 00-0006 CI SpeedAlloy.....	12.77	
09 97 63 00-0007 CI SpeedAlloy QS .....	8.78	
09 97 63 00-0008 CI CeramAlloy CP+ (AC) .....	8.63	
09 97 63 00-0009 SF CeramAlloy CL+ (AC) .....	22.00	
09 97 63 00-0010 CI CeramAlloy CBX.....	11.40	
09 97 63 00-0011 FLEXICLAD Systems (09 97 63 00-0003)		
Note: Material only. See CSI section 09 97 63 00-0003 for labor costs.		
09 97 63 00-0012 CI DuraTough DP .....	12.62	
09 97 63 00-0013 SF DuraTough DL (One Coat 12 Mil) .....	107.54	
09 97 63 00-0014 ENESEAL Systems (09 97 63 00-0003)		
Note: Material only.		
09 97 63 00-0015 SF ENESEAL HR (One Coat 6 Mil) .....	0.92	
09 97 63 00-0016 SF ENESEAL CR (Corrosion Resistant) (One Coat 6 Mil) .....	2.12	
09 97 63 00-0017 ENECETE Systems (09 97 63 00-0003)		
Note: Material only.		
09 97 63 00-0018 SF DuraQuartz @ 1/4" .....	32.29	
09 97 63 00-0019 CI WP (Superfast Water Plug).....	0.70	
09 97 63 00-0020 SF WS (Water Seal) .....	5.53	
09 97 63 00-0021 SF DuraFill Bulk Resin (One Coat 6 Mil) .....	2.63	
09 97 63 00-0022 SF Permaflex (Flexible Primer) .....	1.50	
09 97 63 00-0023 SF Xypex.....	0.98	
09 97 63 00-0024 CHEMCLAD Systems (09 97 63 00-0003)		
Note: Material only.		
09 97 63 00-0025 SF Chemclad SC (One Coat 6 Mil) .....	6.15	
09 97 63 00-0026 SF Chemclad XC (One Coat 8 Mil) .....	7.48	
09 97 63 00-0027 SF Chemclad P4C Primer .....	1.64	
09 97 63 00-0028 SF NSP 120 Potable Water.....	1.75	
09 97 63 00-0029 ENECLAD Systems (09 97 63 00-0003)		
Note: Material only.		
09 97 63 00-0030 SF Eneclad FPS 2000 (Floor Protection System) (One Coat 8 Mil) .....	2.73	
09 97 63 00-0031 SF Eneclad Superbond (One Coat 4 Mil) .....	3.06	
09 97 63 00-0032 SF Eneclad CFS (Clear Floor Sealer) (One Coat 2 Mil) .....	1.31	
09 97 63 00-0033 SF Eneclad SPS (Self Priming Screed) (One Coat 1/8").....	5.23	
09 97 63 00-0034 ENECON Crew For ENECON Coating System (09 97 63 00-0003)		
09 97 63 00-0035 DAY ENECON 2 Man Crew For Application Of ENECON Products .....	1,500.00	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 97 63 00-0036	<b>Thortex Coatings</b> <small>(09 97 63)</small>	
09 97 63 00-0037	<b>Thortex Concrete Protection System</b> <small>(09 97 63 00-0036)</small>	
	Note: Material only. See CSI section 09 97 63 00-0090 for labor costs.	
09 97 63 00-0038	SF 1/4" Thortex Grano Tech Concrete Repair And Protection System .....	22.94
	<i>For &gt;1,000, Deduct</i>	-2.62
09 97 63 00-0039	SF 1/4" Thortex Wall Tech L W Concrete Repair And Protection System .....	21.98
	<i>For &gt;1,000, Deduct</i>	-2.51
09 97 63 00-0040	SF 1/4" Thortex Floor Tech P R Concrete Repair And Protection System .....	24.96
	<i>For &gt;1,000, Deduct</i>	-2.85
09 97 63 00-0041	SF Thortex Floor Tech RS (Resurfacing Screed) Floor Repair and Protection System .....	17.52
	<i>For &gt;2,000, Deduct</i>	-2.00
09 97 63 00-0042	<b>Thortex Floor Repair and Protection System</b> <small>(09 97 63 00-0036)</small>	
	Note: Material only. See CSI section 09 97 63 00-0090 for labor costs.	
09 97 63 00-0043	SF Thortex Floor Tech FB Floor Repair and Protection System (One Coat 8-10 Mil Average) .....	2.40
	<i>For &gt;8600, Deduct</i>	-0.27
09 97 63 00-0044	SF Thortex Floor Tech HB Floor Repair and Protection System (One Coat 8-10 Mil Average) .....	1.85
	<i>For &gt;13,500, Deduct</i>	-0.21
09 97 63 00-0045	SF Thortex Floor Tech WBX Floor Repair and Protection System (One Coat 2-4 Mil Average) .....	0.87
	<i>For &gt;13,500, Deduct</i>	-0.10
09 97 63 00-0046	SF Thortex Floor Tech XSL Floor Repair and Protection System (One Coat 80 Mil Average) .....	11.17
	<i>For &gt;3,500, Deduct</i>	-1.28
09 97 63 00-0047	SF Thortex Grip Tech Epoxy Safety and Protection System (One Coat 10-12 Mil Average) .....	5.60
	<i>For &gt;1,000, Deduct</i>	-0.64
09 97 63 00-0048	SF Thortex Floor Tech SP Primer (One Coat 4 Mil) .....	1.64
	<i>For &gt;10,000, Deduct</i>	-0.19
09 97 63 00-0049	<b>Thortex Chemical Protection System</b> <small>(09 97 63 00-0036)</small>	
	Note: Material only. See CSI section 09 97 63 00-0090 for labor costs.	
09 97 63 00-0050	SF Thortex Chemi Tech UC/Hycote 175 Chemical Protection System (One Coat 10 Mil Average) .....	6.53
	<i>For &gt;9500, Deduct</i>	-0.75
09 97 63 00-0051	SF Thortex Chemi Tech USR Chemical Protection System (One Coat 20 Mil Average) .....	16.20
	<i>For &gt;9500, Deduct</i>	-1.85
09 97 63 00-0052	SF Thortex Chemi Tech CR Chemical Protection System (One Coat 10 Mil Average) .....	3.76
	<i>For &gt;9500, Deduct</i>	-0.43
09 97 63 00-0053	SF Thortex Chemi Tech EP Chemical Protection System (One Coat 10 Mil Average) .....	2.27
	<i>For &gt;13,500, Deduct</i>	-0.26
09 97 63 00-0054	SF Thortex Chemi Tech UW Chemical Protection System (One Coat 10 Mil Average) .....	3.76
	<i>For &gt;9500, Deduct</i>	-0.43
09 97 63 00-0055	SF Thortex Chemi Tech PW Chemical Protection System (One Coat 10 Mil Average) .....	3.76
	<i>For &gt;9500, Deduct</i>	-0.43
09 97 63 00-0056	SF Thortex Chemi Tech PU Chemical Protection System (One Coat 10 Mil Average) .....	4.80
	<i>For &gt;9500, Deduct</i>	-0.55
09 97 63 00-0057	SF Thortex Chemi Tech 152LV Chemical Protection System (One Coat 10 Mil Average) .....	3.72
	<i>For &gt;13,500, Deduct</i>	-0.43
09 97 63 00-0058	<b>Thortex Wall Protections Systems</b> <small>(09 97 63 00-0036)</small>	
	Note: Material only. See CSI section 09 97 63 00-0090 for labor costs.	
09 97 63 00-0059	SF Thortex Wall Tech AG Wall Protection System (One Coat 2 Mil Average) .....	0.62
	<i>For &gt;13,500, Deduct</i>	-0.07
09 97 63 00-0060	SF Thortex Wall Tech UV Wall Protection System (One Coat 2 Mil Average) .....	1.31
	<i>For &gt;13,500, Deduct</i>	-0.15
09 97 63 00-0061	<b>Thortex Metal Repair Systems</b> <small>(09 97 63 00-0036)</small>	
	Note: Material only. See CSI section 09 97 63 00-0090 for labor costs.	
09 97 63 00-0062	CI Thortex Metal Tech EG Metal Repair System .....	6.24
	<i>For &gt;5,000, Deduct</i>	-0.71
09 97 63 00-0063	CI Thortex Metal Tech RG Metal Repair System .....	12.02
	<i>For &gt;5,000, Deduct</i>	-1.37
09 97 63 00-0064	CI Thortex Metal Tech FG Metal Repair System .....	6.24
	<i>For &gt;5,000, Deduct</i>	-0.71
09 97 63 00-0065	CI Thortex Metal Tech XG Metal Repair System .....	6.24
	<i>For &gt;5,000, Deduct</i>	-0.71
09 97 63 00-0066	CI Thortex Metal Tech SG Metal Repair System .....	36.13
	<i>For &gt;10, Deduct</i>	-4.13
09 97 63 00-0067	EA Thortex Metal Tech PR Rapid Grade Pipe Repair Bandage .....	47.29
	<i>For &gt;50, Deduct</i>	-5.40
09 97 63 00-0068	SF Thortex Metal Tech Polymer pipe wrap system (1/4 inch wrap with mesh) per SF of pipe exterior (100 SF minimum) .....	177.35
09 97 63 00-0069	<b>Thortex Rubber Repair System</b> <small>(09 97 63 00-0036)</small>	
	Note: Material only. See CSI section 09 97 63 00-0090 for labor costs.	
09 97 63 00-0070	CI Thortex Flexi Tech 60 FG Rubber Repair System .....	5.52
	<i>For &gt;7,500, Deduct</i>	-0.63
09 97 63 00-0071	CI Thortex Flexi Tech 60 EG Rubber Repair System .....	5.52
	<i>For &gt;7,500, Deduct</i>	-0.63



<b>Finishes</b>	<b>09</b>	<b>2</b>
Painting And Coating	09 90	
Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 63 00-0072 CI Thortex Flexi Tech 60 RG Rubber Repair System.....	5.52	
<i>For &gt;7,500, Deduct</i>	-0.63	
09 97 63 00-0073 CI Thortex Flexi Tech 80 FG Rubber Repair System .....	5.52	
<i>For &gt;7,500, Deduct</i>	-0.63	
09 97 63 00-0074 CI Thortex Flexi Tech 80 EG Rubber Repair System.....	5.52	
<i>For &gt;7,500, Deduct</i>	-0.63	
09 97 63 00-0075 CI Thortex Flexi Tech 80 BG Rubber Repair System.....	5.52	
<i>For &gt;7,500, Deduct</i>	-0.63	
<b>09 97 63 00-0076 Thortex Ceramic Repair System</b> <small>(09 97 63 00-0036)</small>		
<i>Note: Material only. See CSI section 09 97 63 00-0090 for labor costs.</i>		
09 97 63 00-0077 CI Thortex Cerami Flex EG Ceramic Repair System .....	3.70	
<i>For &gt;7,500, Deduct</i>	-0.42	
09 97 63 00-0078 SF Thortex Cerami Flex FG Ceramic Repair System.....	3.84	
<i>For &gt;7,500, Deduct</i>	-0.44	
09 97 63 00-0079 CI Thortex Cerami Tech EG Ceramic Repair System .....	5.10	
<i>For &gt;7,500, Deduct</i>	-0.58	
09 97 63 00-0080 SF Thortex Cerami Tech FG Ceramic Repair System .....	11.95	
<i>For &gt;3,500, Deduct</i>	-1.37	
09 97 63 00-0081 CI Thortex Cerami Tech HG Ceramic Repair System .....	4.16	
<i>For &gt;7,500, Deduct</i>	-0.48	
09 97 63 00-0082 SF Thortex Cerami Tech HTX Ceramic Repair System .....	8.88	
<i>For &gt;5500, Deduct</i>	-1.01	
09 97 63 00-0083 SF Thortex Cerami Tech CR Ceramic Repair System .....	5.91	
<i>For &gt;7,500, Deduct</i>	-0.68	
<b>09 97 63 00-0084 Thortex Corrosion Protection Systems</b> <small>(09 97 63 00-0036)</small>		
<i>Note: Material only. See CSI section 09 97 63 00-0090 for labor costs.</i>		
09 97 63 00-0085 SF Thortex Corro Tech GP Corrosion Protection System .....	1.97	
<i>For &gt;17,500, Deduct</i>	-0.23	
09 97 63 00-0086 SF Thortex Poly Nox Corrosion Protection System.....	2.90	
<i>For &gt;17,500, Deduct</i>	-0.33	
<b>09 97 63 00-0087 Thortex Miscellaneous Coating Systems</b> <small>(09 97 63 00-0036)</small>		
<i>Note: Material only. See CSI section 09 97 63 00-0090 for labor costs.</i>		
09 97 63 00-0088 SF Thortex Glaze Tech Coating for Glass.....	2.28	
<i>For &gt;10,750, Deduct</i>	-0.45	
09 97 63 00-0089 SF Thortex Therma Tech LG Encapsulation System .....	0.89	
<i>For &gt;29,500, Deduct</i>	-0.15	
<b>09 97 63 00-0090 Thortex Crew for Thortex Coating Systems</b> <small>(09 97 63 00-0036)</small>		
<i>Note: Includes all labor, equipment, subcontractor costs, travel expenses necessary to install tasks.</i>		
09 97 63 00-0091 DAY Application Of Thortex Coating System, Per Man (Minimum 3 Men Per Crew) (3M Skotchkote) .....	1,255.00	
<i>Note: Excludes grit blast and generator. Excludes material.</i>		

**END OF SECTION 09**



**09 Finishes**

09 90 Painting And Coating

09 97 Special Coatings



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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<b>Specialties</b>	<b>10</b>
<b>Operation And Maintenance Of Specialties</b>	<b>10 01</b>
<b>Operation And Maintenance Of Fireplaces And Stoves</b>	<b>10 01 30</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 10 Specialties

### 10 01 Operation And Maintenance Of Specialties <sup>(10)</sup>

#### 10 01 30 Operation And Maintenance Of Fireplaces And Stoves <sup>(10 01)</sup>

10 01 30 00-0001	Fireplace Cleaning <sup>(10 01 30)</sup>		
10 01 30 00-0002	EA Inspect And Clean Fireplace Insert.....	97.39	
10 01 30 00-0003	EA Inspect And Clean Fireplace Insert And Chimney .....	116.87	
10 01 30 00-0004	EA Inspect And Clean Fireplace Brick/Masonry Chimney .....	155.83	

#### 10 01 40 Operation And Maintenance Of Safety Specialties <sup>(10 01)</sup>

10 01 40 00-0001	Recharge Existing Portable Fire Extinguishers <sup>(10 01 40)</sup>		
Note: Includes removal, filling, testing, certification and reinstallation.			
10 01 40 00-0002	Recharge Carbon Dioxide, Class BC Portable Fire Extinguishers <sup>(10 01 40 00-0001)</sup>		
10 01 40 00-0003	EA Recharge 2.5 LB Carbon Dioxide Portable Fire Extinguisher .....	10.05	
10 01 40 00-0004	EA Recharge 5 LB Carbon Dioxide Portable Fire Extinguisher .....	11.16	
10 01 40 00-0005	EA Recharge 10 LB Carbon Dioxide Portable Fire Extinguisher .....	11.61	
10 01 40 00-0006	EA Recharge 15 LB Carbon Dioxide Portable Fire Extinguisher .....	13.14	
10 01 40 00-0007	EA Recharge 20 LB Carbon Dioxide Portable Fire Extinguisher .....	15.18	
10 01 40 00-0008	Recharge Dry Chemical, Class ABC Portable Fire Extinguishers <sup>(10 01 40 00-0001)</sup>		
10 01 40 00-0009	EA Recharge 2.5 LB Dry Chemical Portable Fire Extinguisher .....	12.12	
10 01 40 00-0010	EA Recharge 5 LB Dry Chemical Portable Fire Extinguisher .....	14.67	
10 01 40 00-0011	EA Recharge 10 LB Dry Chemical Portable Fire Extinguisher .....	20.73	
10 01 40 00-0012	EA Recharge 20 LB Dry Chemical Portable Fire Extinguisher .....	32.72	
10 01 40 00-0013	Recharge Other Portable Fire Extinguishers <sup>(10 01 40 00-0001)</sup>		
10 01 40 00-0014	EA Recharge 2.5 Gallon Pressurized Water Portable Fire Extinguisher .....	11.99	
10 01 40 00-0015	EA Recharge 1.6 Gallon Wet Chemical Class K Fire Extinguisher.....	85.47	
10 01 40 00-0016	EA Recharge 2.5 Gallon Wet Chemical Class K Fire Extinguisher.....	119.66	
10 01 40 00-0017	EA Recharge 30 LB Dry Powder Class D Portable Fire Extinguisher.....	49.27	

#### 10 01 50 Operation And Maintenance Of Storage Specialties <sup>(10 01)</sup>

##### 10 01 50 11 Operation And Maintenance Of Storage Specialties <sup>(10 01 50 11)</sup>

10 01 50 11-0001	Locker Repair And Refinishing <sup>(10 01 50 11)</sup>		
10 01 50 11-0002	EA Replace Single Tier Locker Door .....	201.25	
10 01 50 11-0003	EA Replace Two Tier Locker Door .....	157.60	
10 01 50 11-0004	EA Replace Three Tier Locker Door.....	133.46	
10 01 50 11-0005	EA Replace Four Tier Locker Door.....	111.04	
10 01 50 11-0006	EA Replace Six Tier Or Sixteen Person Locker Door.....	53.65	
10 01 50 11-0007	EA Realign Metal Locker Door For Proper Closure .....	19.47	
10 01 50 11-0008	SF Patch Small Drill Holes In Locker.....	3.89	

## 10 10 Information Specialties <sup>(10)</sup>

### 10 11 Visual Display Units <sup>(10 11)</sup>

#### 10 11 13 Chalkboards <sup>(10 11)</sup>

##### 10 11 13 13 Fixed Chalkboards <sup>(10 11 13)</sup>

Note: Select task based off the square footage of an individual chalkboard. For example use the >12 To 16 SF range for each 3' x 5' chalkboard.

10 11 13 13-0001	Porcelain Enamel Steel Chalkboards <sup>(10 11 13 13)</sup>		
10 11 13 13-0002	5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 800 Series) <sup>(10 11 13 13-0001)</sup>		
Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, chalk tray and mounting hardware.			
10 11 13 13-0003	SF Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard.....	32.50	3.34
10 11 13 13-0004	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	22.32	1.57
10 11 13 13-0005	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	19.30	1.36
10 11 13 13-0006	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	16.67	0.88
10 11 13 13-0007	SF >24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	14.63	0.49



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>10 11 13 13-0008</b> <b>1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 1300 Series)</b> <small>(10 11 13 13-0001)</small> Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, chalk tray and mounting hardware.		
10 11 13 13-0009 SF    Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard.....	34.90	3.34
10 11 13 13-0010 SF    >6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	24.66	1.57
10 11 13 13-0011 SF    >12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	21.45	1.36
10 11 13 13-0012 SF    >16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	19.28	0.88
10 11 13 13-0013 SF    >24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	17.18	0.49
<b>10 11 13 13-0014</b> <b>1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboards (Claridge 1600 Series)</b> <small>(10 11 13 13-0001)</small> Note: Includes up to 1/2" core material, aluminum backing, chalk tray and mounting hardware.		
10 11 13 13-0015 SF    Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard .....	31.02	3.34
10 11 13 13-0016 SF    >6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard .....	20.81	1.57
10 11 13 13-0017 SF    >12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard .....	17.86	1.36
10 11 13 13-0018 SF    >16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard .....	15.46	0.88
10 11 13 13-0019 SF    >24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard .....	13.28	0.49
<b>10 11 13 13-0020</b> <b>Remove And Reinstall</b> <small>(10 11 13 13)</small>		
10 11 13 13-0021 SF    Removal And Reinstallation Of Chalkboard.....	4.35	
<b>10 11 13 13-0022</b> <b>Field Applied Chalkboard And Accessories</b> <small>(10 11 13 13)</small>		
<b>10 11 13 13-0023</b> <b>Chalkboard Face Sheets And Panels</b> <small>(10 11 13 13-0022)</small>		
10 11 13 13-0024 SF    Porcelain Enamel Steel Chalkboard Face Sheet (Claridge Vitracite).....	9.84	1.57
	Note: Includes porcelain enamel steel chalkboard skin.	
10 11 13 13-0025 SF    Porcelain Enamel Steel Chalkboard Panel (Claridge VIT) .....	12.50	1.57
	Note: Includes porcelain enamel steel surface mounted on either particle board or hardboard core with an aluminum moisture barrier back.	
<b>10 11 13 13-0026</b> <b>Chalkboard And Markerboard Accessory Trays And Trim</b> <small>(10 11 13 13-0022)</small>		
10 11 13 13-0027 LF    Chalk And Marker Tray, Field Applied .....	9.86	2.16
10 11 13 13-0028 PR    Chalk And Marker Tray End Closures, Field Applied .....	12.15	3.93
10 11 13 13-0029 LF    Mullion Trim For Chalkboards And Markerboards, Field Applied.....	6.09	2.16
10 11 13 13-0030 LF    Screw On Trim For Chalkboards And Markerboards, Field Applied.....	6.38	2.16
10 11 13 13-0031 LF    1/2" Leg Map Rail For Chalkboards And Markerboards, Field Applied .....	7.25	2.16
10 11 13 13-0032 LF    1/4" Leg Map Rail For Chalkboards And Markerboards, Field Applied .....	7.98	2.16
10 11 13 13-0033 LF    No Leg Map Rail For Chalkboards And Markerboards, Field Applied.....	6.83	2.16
<b>10 11 13 33</b> <b>Rail-Mounted Chalkboards</b> <small>(10 11 13)</small>		
<b>10 11 13 33-0001</b> <b>Horizontal Sliding, Porcelain Enamel Steel Chalkboards (Claridge HS Series)</b> <small>(10 11 13 33)</small>		
<b>10 11 13 33-0002</b> <b>Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards</b> <small>(10 11 13 33-0001)</small>		
10 11 13 33-0003 EA    4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	1,808.70	39.29
10 11 13 33-0004 EA    4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard .....	2,043.81	39.29
10 11 13 33-0005 EA    4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,322.08	41.85
10 11 13 33-0006 EA    4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard .....	2,595.25	41.85
10 11 13 33-0007 EA    4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard .....	3,253.44	44.99
10 11 13 33-0008 EA    4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard .....	3,471.34	44.99
10 11 13 33-0009 EA    4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard .....	3,932.28	47.16
10 11 13 33-0010 EA    4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard .....	4,473.18	47.16
<b>10 11 13 33-0011</b> <b>Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards</b> <small>(10 11 13 33-0001)</small>		
10 11 13 33-0012 EA    4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard .....	2,510.00	39.29
10 11 13 33-0013 EA    4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard .....	2,997.00	39.29
10 11 13 33-0014 EA    4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard .....	3,438.37	41.85
10 11 13 33-0015 EA    4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard .....	3,885.50	41.85
10 11 13 33-0016 EA    4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard .....	4,436.78	44.99
10 11 13 33-0017 EA    4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard .....	4,633.84	44.99
10 11 13 33-0018 EA    4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard .....	5,449.06	47.16
10 11 13 33-0019 EA    4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard .....	6,106.84	47.16
<b>10 11 13 33-0020</b> <b>Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards</b> <small>(10 11 13 33-0001)</small>		
10 11 13 33-0021 EA    4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard .....	2,809.01	39.29
10 11 13 33-0022 EA    4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard .....	3,207.21	39.29
10 11 13 33-0023 EA    4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard .....	3,631.37	41.85



<b>Specialties</b>	<b>10</b>	<b>10</b>
Information Specialties	10 10	
Visual Display Units	10 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 33-0024 EA 4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,088.46	41.85
10 11 13 33-0025 EA 4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,965.93	44.99
10 11 13 33-0026 EA 4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	5,175.67	44.99
10 11 13 33-0027 EA 4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	6,127.72	47.16
10 11 13 33-0028 EA 4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	6,855.77	47.16
<b>10 11 13 33-0029 Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge TW Series)</b> <small>(10 11 13 33)</small>		
<b>10 11 13 33-0030 One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboards</b> <small>(10 11 13 33-0029)</small>		
10 11 13 33-0031 EA 8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,182.44	39.29
10 11 13 33-0032 EA 8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,419.36	39.29
10 11 13 33-0033 EA 8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,648.70	41.85
10 11 13 33-0034 EA 8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,060.03	41.85
10 11 13 33-0035 EA 8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,354.41	44.99
10 11 13 33-0036 EA 8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,734.03	44.99
<b>10 11 13 33-0037 Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards</b> <small>(10 11 13 33-0029)</small>		
10 11 13 33-0038 EA 8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,249.73	39.29
10 11 13 33-0039 EA 8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,617.56	39.29
10 11 13 33-0040 EA 8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,979.63	41.85
10 11 13 33-0041 EA 8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,656.40	41.85
10 11 13 33-0042 EA 8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,069.44	44.99
10 11 13 33-0043 EA 8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,683.69	44.99
<b>10 11 13 33-0044 Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards</b> <small>(10 11 13 33-0029)</small>		
10 11 13 33-0045 EA 8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,475.58	39.29
10 11 13 33-0046 EA 8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,977.04	39.29
10 11 13 33-0047 EA 8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,472.74	41.85
10 11 13 33-0048 EA 8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	6,414.05	41.85
10 11 13 33-0049 EA 8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	6,956.63	44.99
10 11 13 33-0050 EA 8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,821.82	44.99
<b>10 11 13 33-0051 Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge MO Series)</b> <small>(10 11 13 33)</small>		
Note: Excludes remotes.		
<b>10 11 13 33-0052 One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards</b> <small>(10 11 13 33-0051)</small>		
10 11 13 33-0053 EA 10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,137.98	78.59
10 11 13 33-0054 EA 10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,347.83	78.59
10 11 13 33-0055 EA 10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,575.28	81.05
10 11 13 33-0056 EA 10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,959.64	81.05
10 11 13 33-0057 EA 10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,377.90	83.50
10 11 13 33-0058 EA 10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,748.66	83.50
10 11 13 33-0059 EA 10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	9,542.45	88.42
10 11 13 33-0060 EA 10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	9,645.01	88.42
<b>10 11 13 33-0061 Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards</b> <small>(10 11 13 33-0051)</small>		
10 11 13 33-0062 EA 10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	11,347.99	78.59
10 11 13 33-0063 EA 10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	11,625.43	78.59
10 11 13 33-0064 EA 10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	11,928.64	81.05
10 11 13 33-0065 EA 10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	12,493.49	81.05
10 11 13 33-0066 EA 10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	13,048.74	83.50
10 11 13 33-0067 EA 10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	13,585.50	83.50
10 11 13 33-0068 EA 10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	14,662.16	88.42
10 11 13 33-0069 EA 10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	14,824.71	88.42
<b>10 11 13 33-0070 Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards</b> <small>(10 11 13 33-0051)</small>		
10 11 13 33-0071 EA 10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	14,805.05	78.59
10 11 13 33-0072 EA 10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	15,505.27	78.59
10 11 13 33-0073 EA 10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	15,869.72	81.05
10 11 13 33-0074 EA 10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	16,604.19	81.05
10 11 13 33-0075 EA 10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	17,369.83	83.50
10 11 13 33-0076 EA 10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	18,112.46	83.50
10 11 13 33-0077 EA 10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	19,564.42	88.42
10 11 13 33-0078 EA 10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	19,850.37	88.42
<b>10 11 13 33-0079 Sliding Chalkboard And Markerboard Accessories</b> <small>(10 11 13 33)</small>		
10 11 13 33-0080 EA One Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard.....	546.67	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

10 11 13 33-0081 EA Two Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard.....937.19

**10 11 16 Markerboards** (10 11)

**10 11 16 13 Fixed Markerboards** (10 11 16)

Note: Select task based off the square footage of an individual markerboard. For example use the >12 To 16 SF range for each 3' x 5' markerboard.

10 11 16 13-0001	SF	Porcelain Enamel Steel Markerboards <small>(10 11 16 13)</small>		
10 11 16 13-0002	SF	5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 800 Series) <small>(10 11 16 13-0001)</small>		
		Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0003	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	32.65	3.34
10 11 16 13-0004	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	22.85	1.57
10 11 16 13-0005	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	19.30	1.36
10 11 16 13-0006	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	16.86	0.88
10 11 16 13-0007	SF	>24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	14.42	0.49
10 11 16 13-0008	SF	1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 1300 Series) <small>(10 11 16 13-0001)</small>		
		Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0009	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	34.93	3.34
10 11 16 13-0010	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	23.53	1.57
10 11 16 13-0011	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	20.32	1.36
10 11 16 13-0012	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	18.14	0.88
10 11 16 13-0013	SF	>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	16.52	0.49
10 11 16 13-0014	SF	1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboards (Claridge LCS Series) <small>(10 11 16 13-0001)</small>		
		Note: Includes up to 1/2" core material, aluminum backing, marker tray and mounting hardware.		
10 11 16 13-0015	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	31.01	3.34
10 11 16 13-0016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	20.82	1.57
10 11 16 13-0017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	18.96	1.36
10 11 16 13-0018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	15.58	0.88
10 11 16 13-0019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard.....	13.02	0.49
10 11 16 13-0020	SF	Melamine Markerboards <small>(10 11 16 13)</small>		
10 11 16 13-0021	SF	1-1/4" Face Aluminum Frame, Melamine Markerboard (Claridge MLC Series) <small>(10 11 16 13-0020)</small>		
		Note: Includes full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0022	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	24.05	3.34
10 11 16 13-0023	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	16.02	1.57
10 11 16 13-0024	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	13.92	1.36
10 11 16 13-0025	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	10.82	0.88
10 11 16 13-0026	SF	>24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard.....	9.40	0.49
10 11 16 13-0027	SF	1-3/4" Face Wood Frame, Melamine Markerboard (Claridge MLC Series) <small>(10 11 16 13-0020)</small>		
		Note: Includes marker tray and mounting hardware.		
10 11 16 13-0028	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	23.27	3.34
10 11 16 13-0029	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	15.66	1.57
10 11 16 13-0030	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	13.41	1.36
10 11 16 13-0031	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	9.91	0.88
10 11 16 13-0032	SF	>24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard.....	8.57	0.49
10 11 16 13-0033	SF	Nonporous, Non-Staining Markerboards <small>(10 11 16 13)</small>		
10 11 16 13-0034	SF	5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) <small>(10 11 16 13-0033)</small>		
		Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0035	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	26.61	3.34
		For Magnetic Surface, Add	1.99	
10 11 16 13-0036	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	18.30	1.57
		For Magnetic Surface, Add	1.52	
10 11 16 13-0037	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	15.79	1.36
		For Magnetic Surface, Add	1.31	
10 11 16 13-0038	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	14.32	0.88
		For Magnetic Surface, Add	1.26	
10 11 16 13-0039	SF	>24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	12.70	0.49
		For Magnetic Surface, Add	1.17	



<b>Specialties</b>	<b>10</b>	<b>10</b>
Information Specialties	10 10	
Visual Display Units	10 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>10 11 16 13-0040</b> 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) <small>(10 11 16 13-0033)</small> Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0041 SF Up To 6 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard .....26.61	26.61	3.34
For Magnetic Surface, Add	1.99	
10 11 16 13-0042 SF >6 To 12 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....18.30	18.30	1.57
For Magnetic Surface, Add	1.52	
10 11 16 13-0043 SF >12 To 16 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....15.79	15.79	1.36
For Magnetic Surface, Add	1.31	
10 11 16 13-0044 SF >16 To 24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....14.32	14.32	0.88
For Magnetic Surface, Add	1.26	
10 11 16 13-0045 SF >24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....12.70	12.70	0.49
For Magnetic Surface, Add	1.17	
<b>10 11 16 13-0046</b> 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) <small>(10 11 16 13-0033)</small> Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0047 SF Up To 6 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard.....51.30	51.30	3.34
For Magnetic Surface, Add	4.46	
10 11 16 13-0048 SF >6 To 12 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard.....33.14	33.14	1.57
For Magnetic Surface, Add	3.00	
10 11 16 13-0049 SF >12 To 16 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard.....27.97	27.97	1.36
For Magnetic Surface, Add	2.53	
10 11 16 13-0050 SF >16 To 24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard.....23.96	23.96	0.88
For Magnetic Surface, Add	2.22	
10 11 16 13-0051 SF >24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard.....18.85	18.85	0.49
For Magnetic Surface, Add	1.79	
<b>10 11 16 13-0052</b> Nonporous, Non-Staining Markerboard Resurfacing Panels (EverWhite EverEZ Resurfacing Panels) <small>(10 11 16 13-0033)</small> Note: Includes non-staining, permanent marker resistant, magnetic dry erase surface. Excludes frame. Resurfacing panel for mounting to existing chalkboard or markerboard consists of dry erase surface, 24-gauge treated steel interlayer and pressure-sensitive adhesive backing.		
10 11 16 13-0053 SF Up To 16 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....12.13	12.13	1.36
10 11 16 13-0054 SF >16 To 24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....10.70	10.70	0.88
10 11 16 13-0055 SF >24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....9.31	9.31	0.49
<b>10 11 16 13-0056</b> Remove And Reinstall Markerboard <small>(10 11 16 13)</small>		
10 11 16 13-0057 EA Up To 6 SF, Removal And Reinstallation Of Markerboard .....23.58	23.58	
10 11 16 13-0058 EA >6 To 12 SF, Removal And Reinstallation Of Markerboard.....27.50	27.50	
10 11 16 13-0059 EA >12 To 16 SF, Removal And Reinstallation Of Markerboard.....31.44	31.44	
10 11 16 13-0060 EA >16 To 24 SF, Removal And Reinstallation Of Markerboard.....35.37	35.37	
10 11 16 13-0061 EA >24 SF, Removal And Reinstallation Of Markerboard.....39.29	39.29	
<b>10 11 16 13-0062</b> Field Applied Markerboard And Accessories <small>(10 11 16 13)</small>		
<b>10 11 16 13-0063</b> Markerboard Face Sheets And Panels <small>(10 11 16 13-0062)</small>		
10 11 16 13-0064 SF Porcelain Enamel Steel Markerboard Face Sheet (Claridge LCS) .....9.62	9.62	1.57
Note: Includes porcelain enamel steel markerboard skin backed with double sided tape.		
10 11 16 13-0065 SF Porcelain Enamel Steel Markerboard Face Sheet With Double Sided Tape (Claridge LCS EZ Stick) .....12.01	12.01	1.57
Note: Includes porcelain enamel steel markerboard skin backed with double sided tape.		
10 11 16 13-0066 SF Porcelain Enamel Steel Markerboard Panel (Claridge LCS).....11.96	11.96	1.57
Note: Includes porcelain enamel steel surface mounted on either 3/8" particle board or 1/4" hardboard core with an aluminum moisture barrier back.		
10 11 16 13-0067 SF Melamine Markerboard Panel (Claridge 1032) .....5.29	5.29	1.57
Note: Includes 1/4" thick melamine panel.		
<b>10 11 16 13-0068</b> Chalkboard And Markerboard Accessory Trays And Trim <small>(10 11 16 13-0062)</small> See CSI section 10 11 13 13-0026 for chalkboard and markerboard accessory trays and trim.		
<b>10 11 16 33</b> Rail-Mounted Markerboards <small>(10 11 16)</small>		
<b>10 11 16 33-0001</b> Horizontal Sliding, Porcelain Enamel Steel Markerboards (Claridge HS Series) <small>(10 11 16 33)</small>		
<b>10 11 16 33-0002</b> Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0001)</small>		
10 11 16 33-0003 EA 4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....1,785.64	1,785.64	39.29
10 11 16 33-0004 EA 4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....2,013.07	2,013.07	39.29
10 11 16 33-0005 EA 4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....2,283.66	2,283.66	41.85
10 11 16 33-0006 EA 4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....2,549.14	2,549.14	41.85
10 11 16 33-0007 EA 4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....3,199.66	3,199.66	44.99
10 11 16 33-0008 EA 4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....3,409.87	3,409.87	44.99



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 33-0009 EA 4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,855.45	47.16
10 11 16 33-0010 EA 4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,380.97	47.16
<b>10 11 16 33-0011 Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards</b> <small>(10 11 16 33-0001)</small>		
10 11 16 33-0012 EA 4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard .....	2,486.95	39.29
10 11 16 33-0013 EA 4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard .....	2,966.27	39.29
10 11 16 33-0014 EA 4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard .....	3,399.95	41.85
10 11 16 33-0015 EA 4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard .....	3,839.40	41.85
10 11 16 33-0016 EA 4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard .....	4,383.00	44.99
10 11 16 33-0017 EA 4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard .....	4,572.37	44.99
10 11 16 33-0018 EA 4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard .....	5,372.23	47.16
10 11 16 33-0019 EA 4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard .....	6,014.64	47.16
<b>10 11 16 33-0020 Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards</b> <small>(10 11 16 33-0001)</small>		
10 11 16 33-0021 EA 4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard .....	2,785.96	39.29
10 11 16 33-0022 EA 4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard .....	3,176.48	39.29
10 11 16 33-0023 EA 4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard .....	3,592.95	41.85
10 11 16 33-0024 EA 4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard .....	4,042.36	41.85
10 11 16 33-0025 EA 4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard .....	4,912.15	44.99
10 11 16 33-0026 EA 4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard .....	5,114.20	44.99
10 11 16 33-0027 EA 4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard .....	6,050.88	47.16
10 11 16 33-0028 EA 4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard .....	6,786.62	47.16
<b>10 11 16 33-0029 Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge TW Series)</b> <small>(10 11 16 33)</small>		
<b>10 11 16 33-0030 One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboards</b> <small>(10 11 16 33-0029)</small>		
10 11 16 33-0031 EA 8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	2,151.70	39.29
10 11 16 33-0032 EA 8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	2,380.94	39.29
10 11 16 33-0033 EA 8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	2,602.60	41.85
10 11 16 33-0034 EA 8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	2,998.56	41.85
10 11 16 33-0035 EA 8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	3,277.58	44.99
10 11 16 33-0036 EA 8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	3,641.82	44.99
<b>10 11 16 33-0037 Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards</b> <small>(10 11 16 33-0029)</small>		
10 11 16 33-0038 EA 8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	3,188.26	39.29
10 11 16 33-0039 EA 8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	3,540.72	39.29
10 11 16 33-0040 EA 8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	3,887.42	41.85
10 11 16 33-0041 EA 8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	4,533.46	41.85
10 11 16 33-0042 EA 8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	4,915.77	44.99
10 11 16 33-0043 EA 8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	5,499.29	44.99
<b>10 11 16 33-0044 Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards</b> <small>(10 11 16 33-0029)</small>		
10 11 16 33-0045 EA 8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard .....	4,383.38	39.29
10 11 16 33-0046 EA 8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard .....	4,861.79	39.29
10 11 16 33-0047 EA 8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard .....	5,334.43	41.85
10 11 16 33-0048 EA 8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard .....	6,229.64	41.85
10 11 16 33-0049 EA 8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard .....	6,726.12	44.99
10 11 16 33-0050 EA 8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard .....	7,545.22	44.99
<b>10 11 16 33-0051 Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge MO Series)</b> <small>(10 11 16 33)</small>		
Note: Excludes remotes.		
<b>10 11 16 33-0052 One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards</b> <small>(10 11 16 33-0051)</small>		
10 11 16 33-0053 EA 10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	7,099.56	78.59
10 11 16 33-0054 EA 10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	7,299.81	78.59
10 11 16 33-0055 EA 10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	7,517.66	81.05
10 11 16 33-0056 EA 10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	7,882.81	81.05
10 11 16 33-0057 EA 10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	8,281.85	83.50
10 11 16 33-0058 EA 10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	8,633.41	83.50
10 11 16 33-0059 EA 10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	9,407.98	88.42
10 11 16 33-0060 EA 10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	9,491.34	88.42
<b>10 11 16 33-0061 Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards</b> <small>(10 11 16 33-0051)</small>		
10 11 16 33-0062 EA 10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	11,271.16	78.59



<b>Specialties</b>	<b>10</b>	<b>10</b>
Information Specialties	10 10	
Visual Display Units	10 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 33-0063 EA 10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	11,529.39	78.59
10 11 16 33-0064 EA 10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	11,813.38	81.05
10 11 16 33-0065 EA 10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	12,339.82	81.05
10 11 16 33-0066 EA 10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	12,856.65	83.50
10 11 16 33-0067 EA 10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	13,354.99	83.50
10 11 16 33-0068 EA 10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	14,393.24	88.42
10 11 16 33-0069 EA 10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	14,517.37	88.42
<b>10 11 16 33-0070 Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards</b> <small>(10 11 16 33-0051)</small>		
10 11 16 33-0071 EA 10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	14,689.80	78.59
10 11 16 33-0072 EA 10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	15,361.20	78.59
10 11 16 33-0073 EA 10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	15,696.84	81.05
10 11 16 33-0074 EA 10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	16,373.68	81.05
10 11 16 33-0075 EA 10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	17,081.70	83.50
10 11 16 33-0076 EA 10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	17,766.70	83.50
10 11 16 33-0077 EA 10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	19,161.03	88.42
10 11 16 33-0078 EA 10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	19,389.36	88.42
<b>10 11 16 33-0079 Sliding Chalkboard And Markerboard Accessories</b> <small>(10 11 16 33)</small>		
<small>See CSI section 10 11 13 33-0079 for sliding chalkboard and markerboard accessories.</small>		
<b>10 11 16 53 Electronic Markerboards</b> <small>(10 11 16)</small>		
<b>10 11 16 53-0001 Interactive White Boards</b> <small>(10 11 16 53)</small>		
10 11 16 53-0002 EA Mobile System, Activboard 378 PRO Interactive White Board With Ultra Short Throw Projector (Promethean AB 378 Mobile System).....	5,542.86	
<small>Note: Includes ActivBoard 378, ActivInspire Professional software, AB2 mobile mount and ultra short throw projector.</small>		
10 11 16 53-0003 EA Mobile System, Activboard 387 PRO Interactive White Board With Ultra Short Throw Projector (Promethean AB 387 Mobile System).....	5,787.20	
<small>Note: Includes ActivBoard 387, ActivInspire Professional software, AB2 mobile mount and ultra short throw projector.</small>		
10 11 16 53-0004 EA Fixed Mount, Activboard 378 PRO Interactive White Board With Short Throw Projector (Promethean AB+2 Fixed Short Throw Bundle - 378 PRO).....	4,350.93	
<small>Note: Includes Activboard 378 PRO, AB+2 fixed mount, dual pen, integrated speakers, short throw projector, ActivInspire Professional software, auxiliary kit and over the board mounting kit.</small>		
10 11 16 53-0005 EA Fixed Mount, Activboard 387 PRO Interactive White Board With Short Throw Projector (Promethean AB+2 Fixed Short Throw Bundle - 387 PRO).....	4,554.97	
<small>Note: Includes Activboard 387 PRO, AB+2 fixed mount, dual pen, integrated speakers, short throw projector, ActivInspire Professional software, auxiliary kit and over the board mounting kit.</small>		
10 11 16 53-0006 EA Fixed Mount, Activboard 395 PRO Interactive White Board With Short Throw Projector (Promethean AB+2 Fixed Short Throw Bundle - 395 PRO).....	4,972.16	
<small>Note: Includes Activboard 395 PRO, AB+2 fixed mount, dual pen, integrated speakers, short throw projector, ActivInspire Professional software, auxiliary kit and over the board mounting kit.</small>		
10 11 16 53-0007 EA Fixed Mount, Activboard 378 PRO Interactive White Board With Ultra Short Throw Projector (Promethean AB+2 Fixed Ultra Short Throw Bundle - 378 PRO).....	4,853.89	
<small>Note: Includes Activboard 378 PRO, AB+2 fixed mount, dual pen, integrated speakers, ultra short throw projector, ActivInspire Professional software, auxiliary kit and over the board mounting kit.</small>		
10 11 16 53-0008 EA Fixed Mount, Activboard 387 PRO Interactive White Board With Ultra Short Throw Projector (Promethean AB+2 Fixed Ultra Short Throw Bundle - 387 PRO).....	5,514.11	
<small>Note: Includes Activboard 387 PRO, AB+2 fixed mount, dual pen, integrated speakers, ultra short throw projector, ActivInspire Professional software, auxiliary kit and over the board mounting kit.</small>		
10 11 16 53-0009 EA Adjustable Mount, Activboard 378 PRO Interactive White Board With Short Throw Projector (Promethean AB+2 Adjustable Short Throw Bundle - 378 PRO).....	5,198.23	
<small>Note: Includes Activboard 378 PRO, AB+2 Adjustable Mount, short throw projector, ActivInspire software, integrated speakers, dual pen and auxiliary kit.</small>		
10 11 16 53-0010 EA Adjustable Mount, Activboard 387 PRO Interactive White Board With Short Throw Projector (Promethean AB+2 Adjustable Short Throw Bundle - 387 PRO).....	5,393.18	
<small>Note: Includes Activboard 387 PRO, AB+2 Adjustable Mount, short throw projector, ActivInspire software, integrated speakers, dual pen and auxiliary kit.</small>		
10 11 16 53-0011 EA Adjustable Mount, Activboard 395 PRO Interactive White Board With Short Throw Projector (Promethean AB+2 Adjustable Short Throw Bundle - 395 PRO).....	9,246.64	
<small>Note: Includes Activboard 395 PRO, AB+2 Adjustable Mount, short throw projector, ActivInspire software, integrated speakers, dual pen and auxiliary kit.</small>		
10 11 16 53-0012 EA Adjustable Mount, Activboard 378 PRO Interactive White Board With Ultra Short Throw Projector (Promethean AB+2 Adjustable Ultra Short Throw Bundle - 378 PRO).....	6,327.63	
<small>Note: Includes Activboard 378 PRO, AB+2 Adjustable Mount, ultra short throw projector, ActivInspire software, integrated speakers, dual pen and auxiliary kit.</small>		
10 11 16 53-0013 EA Adjustable Mount, Activboard 387 PRO Interactive White Board With Ultra Short Throw Projector (Promethean AB+2 Adjustable Ultra Short Throw Bundle - 387 PRO).....	5,794.77	
<small>Note: Includes Activboard 387 PRO, AB+2 Adjustable Mount, ultra short throw projector, ActivInspire software, integrated speakers, dual pen and auxiliary kit.</small>		
<b>10 11 23 Tackboards</b> <small>(10 11)</small>		
<b>10 11 23 13 Fixed Tackboards</b> <small>(10 11 23)</small>		
<small>Note: Select task based off the square footage of an individual tackboard. For example use the &gt;12 To 16 SF range for each 3' x 5' tackboard.</small>		





MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

10 11 23 13-0001	<b>Fixed Tackboards</b> <small>(10 11 23 13)</small> Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.		
10 11 23 13-0002	<b>Cork Surface, Fixed Tackboards</b> <small>(10 11 23 13-0001)</small> Note: Includes up to 1/4" cork surface, unmounted or mounted on duracore or hardboard.		
10 11 23 13-0003	<b>5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 800 Series)</b> <small>(10 11 23 13-0002)</small>		
10 11 23 13-0004	SF Up To 6 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	18.84	3.34
10 11 23 13-0005	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	11.60	1.57
10 11 23 13-0006	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	10.07	1.36
10 11 23 13-0007	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	8.56	0.88
10 11 23 13-0008	SF >24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	7.61	0.49
10 11 23 13-0009	<b>1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 900A Series)</b> <small>(10 11 23 13-0002)</small>		
10 11 23 13-0010	SF Up To 6 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	20.27	3.34
10 11 23 13-0011	SF >6 To 12 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	12.26	1.57
10 11 23 13-0012	SF >12 To 16 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	9.73	1.36
10 11 23 13-0013	SF >16 To 24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	8.03	0.88
10 11 23 13-0014	SF >24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	6.78	0.49
10 11 23 13-0015	<b>1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboards (Claridge 700 Series)</b> <small>(10 11 23 13-0002)</small>		
10 11 23 13-0016	SF Up To 6 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	20.42	3.34
10 11 23 13-0017	SF >6 To 12 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	13.66	1.57
10 11 23 13-0018	SF >12 To 16 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	12.90	1.36
10 11 23 13-0019	SF >16 To 24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	10.33	0.88
10 11 23 13-0020	SF >24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	8.71	0.49
10 11 23 13-0021	<b>Burlap Backed Cork Surface, Fixed Tackboards</b> <small>(10 11 23 13-0001)</small> Note: Includes burlap backed 1/4" self healing cork surface, unmounted or mounted on hardboard.		
10 11 23 13-0022	<b>5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 800 Series)</b> <small>(10 11 23 13-0021)</small>		
10 11 23 13-0023	SF Up To 6 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	22.99	3.34
10 11 23 13-0024	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	16.58	1.57
10 11 23 13-0025	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	15.34	1.36
10 11 23 13-0026	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	13.84	0.88
10 11 23 13-0027	SF >24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	12.99	0.49
10 11 23 13-0028	<b>1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 700 Series)</b> <small>(10 11 23 13-0021)</small>		
10 11 23 13-0029	SF Up To 6 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	26.46	3.34
10 11 23 13-0030	SF >6 To 12 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	20.29	1.57
10 11 23 13-0031	SF >12 To 16 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	19.08	1.36
10 11 23 13-0032	SF >16 To 24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	16.56	0.88
10 11 23 13-0033	SF >24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	14.97	0.49
10 11 23 13-0034	<b>Polyester Fabric Surface, Fixed Tackboards</b> <small>(10 11 23 13-0001)</small> Note: Includes polyester fabric on cork underlay, unmounted or mounted on duracore. Class A rating.		
10 11 23 13-0035	<b>5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 800 Series)</b> <small>(10 11 23 13-0034)</small>		
10 11 23 13-0036	SF Up To 6 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	19.82	3.34
10 11 23 13-0037	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	12.80	1.57
10 11 23 13-0038	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	11.43	1.36
10 11 23 13-0039	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	9.95	0.88
10 11 23 13-0040	SF >24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	8.85	0.49
10 11 23 13-0041	<b>1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 700 Series)</b> <small>(10 11 23 13-0034)</small>		
10 11 23 13-0042	SF Up To 6 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	21.78	3.34
10 11 23 13-0043	SF >6 To 12 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	15.36	1.57
10 11 23 13-0044	SF >12 To 16 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	14.49	1.36
10 11 23 13-0045	SF >16 To 24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	12.07	0.88
10 11 23 13-0046	SF >24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	10.52	0.49
10 11 23 13-0047	<b>Vinyl Fabric Surface, Fixed Tackboards</b> <small>(10 11 23 13-0001)</small> Note: Includes vinyl fabric on cork underlay, unmounted or mounted on duracore.		



<b>Specialties</b>	<b>10</b>	<b>10</b>
Information Specialties	10 10	
Visual Display Units	10 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>10 11 23 13-0048</b> 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 800 Series) <small>(10 11 23 13-0047)</small>		
10 11 23 13-0049 SF Up To 6 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	18.84	3.34
10 11 23 13-0050 SF >6 To 12 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	11.67	1.57
10 11 23 13-0051 SF >12 To 16 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	10.19	1.36
10 11 23 13-0052 SF >16 To 24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	8.56	0.88
10 11 23 13-0053 SF >24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	7.44	0.49
<b>10 11 23 13-0054</b> 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 700 Series) <small>(10 11 23 13-0047)</small>		
10 11 23 13-0055 SF Up To 6 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	20.42	3.34
10 11 23 13-0056 SF >6 To 12 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	14.36	1.57
10 11 23 13-0057 SF >12 To 16 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	12.90	1.36
10 11 23 13-0058 SF >16 To 24 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	10.33	0.88
10 11 23 13-0059 SF 4' x 8', 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard.....	8.71	0.49
<b>10 12 Display Cases</b> <small>(10 10)</small>		
<b>10 12 00 00-0001</b> Counter Display Cases <small>(10 12)</small>		
10 12 00 00-0002 EA 30" x 12" x 36" Counter Display Cases.....	908.41	60.21
10 12 00 00-0003 EA 30" x 12" x 48" Counter Display Cases.....	985.91	60.21
10 12 00 00-0004 EA 30" x 18" x 36" Counter Display Cases.....	954.34	60.21
10 12 00 00-0005 EA 30" x 18" x 48" Counter Display Cases.....	980.12	26.76
<b>10 12 00 00-0006</b> Upright Display Case <small>(10 12)</small>		
10 12 00 00-0007 EA 72 In x 20 In x 70 In Upright Display Case.....	1,959.67	60.21
<b>10 12 00 00-0008</b> Full Vision Display Case <small>(10 12)</small>		
10 12 00 00-0009 EA 38 In x 20 In x 70 In Full Vision Display Case.....	1,258.80	60.21
<b>10 13 Directories</b> <small>(10 10)</small>		
<b>10 13 11 Directory And Bulletin Boards</b> <small>(10 13)</small>		
Note: Select task based off the square footage of an individual directory or bulletin board. For example use the >12 To 16 SF range for each 3' x 5' directory or bulletin board.		
<b>10 13 11 00-0001</b> Wall Mounted Directories <small>(10 13 11)</small>		
Note: Includes changeable letters.		
<b>10 13 11 00-0002</b> Open Face, Wall Mounted Directories <small>(10 13 11 00-0001)</small>		
Note: Includes vinyl or felt back panel.		
<b>10 13 11 00-0003</b> Wood Frame, Open Face, Wall Mounted Directories (Claridge 350 Series) <small>(10 13 11 00-0002)</small>		
10 13 11 00-0004 SF Up To 6 SF, Wood Frame, Open Face, Wall Mounted Directory.....	37.18	3.34
10 13 11 00-0005 SF >6 To 12 SF, Wood Frame, Open Face, Wall Mounted Directory.....	26.02	1.57
10 13 11 00-0006 SF >12 To 16 SF, Wood Frame, Open Face, Wall Mounted Directory.....	23.85	1.36
10 13 11 00-0007 SF >16 To 24 SF, Wood Frame, Open Face, Wall Mounted Directory.....	18.64	0.88
10 13 11 00-0008 SF >24 SF, Wood Frame, Open Face, Wall Mounted Directory.....	15.48	0.49
<b>10 13 11 00-0009</b> Aluminum Frame, Open Face, Wall Mounted Directories (Claridge 432 Series) <small>(10 13 11 00-0002)</small>		
10 13 11 00-0010 SF Up To 6 SF, Aluminum Frame, Open Face, Wall Mounted Directory.....	37.64	3.34
<i>For Bronze Anodize Finish, Add</i>		
	12.00	
10 13 11 00-0011 SF >6 To 12 SF, Aluminum Frame, Open Face, Wall Mounted Directory.....	26.32	1.57
<i>For Bronze Anodize Finish, Add</i>		
	12.00	
10 13 11 00-0012 SF >12 To 16 SF, Aluminum Frame, Open Face, Wall Mounted Directory.....	24.46	1.36
<i>For Bronze Anodize Finish, Add</i>		
	12.00	
10 13 11 00-0013 SF >16 To 24 SF, Aluminum Frame, Open Face, Wall Mounted Directory.....	17.65	0.88
<i>For Bronze Anodize Finish, Add</i>		
	12.00	
10 13 11 00-0014 SF >24 SF, Aluminum Frame, Open Face, Wall Mounted Directory.....	15.93	0.49
<i>For Bronze Anodize Finish, Add</i>		
	12.00	
<b>10 13 11 00-0015</b> Glass Encased, Wall Mounted Directory Cabinets <small>(10 13 11 00-0001)</small>		
Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
<b>10 13 11 00-0016</b> Wood Frame, Glass Encased, Wall Mounted Directory Cabinets <small>(10 13 11 00-0015)</small>		
<b>10 13 11 00-0017</b> Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 3052 Series) <small>(10 13 11 00-0016)</small>		
10 13 11 00-0018 SF Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	105.29	3.34
<i>For Fluorescent Lights, Add</i>		
	15.00	
10 13 11 00-0019 SF >6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	87.48	1.57
<i>For Fluorescent Lights, Add</i>		
	15.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0020 SF >12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	73.16	1.36
For Fluorescent Lights, Add	15.00	
10 13 11 00-0021 SF >16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	68.77	0.88
For Fluorescent Lights, Add	15.00	
10 13 11 00-0022 SF >24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	63.05	0.49
For Fluorescent Lights, Add	15.00	
<b>10 13 11 00-0023 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 345 Series) (10 13 11 00-0016)</b>		
10 13 11 00-0024 SF Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	89.28	3.34
For Fluorescent Lights, Add	15.00	
10 13 11 00-0025 SF >12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	75.68	1.36
For Fluorescent Lights, Add	15.00	
10 13 11 00-0026 SF >16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	54.50	0.88
For Fluorescent Lights, Add	15.00	
10 13 11 00-0027 SF >24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet.....	49.91	0.49
For Fluorescent Lights, Add	15.00	
<b>10 13 11 00-0028 Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (10 13 11 00-0015)</b>		
<b>10 13 11 00-0029 Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) (10 13 11 00-0028)</b>		
10 13 11 00-0030 SF Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	93.29	3.34
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	17.32	
10 13 11 00-0031 SF >6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	75.03	1.57
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	14.38	
10 13 11 00-0032 SF >12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	63.43	1.36
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	12.14	
10 13 11 00-0033 SF >16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	46.92	0.88
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	9.03	
10 13 11 00-0034 SF >24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	44.70	0.49
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	8.74	
<b>10 13 11 00-0035 Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) (10 13 11 00-0028)</b>		
10 13 11 00-0036 SF Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	148.71	3.34
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	28.41	
10 13 11 00-0037 SF >6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	87.42	1.57
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	16.86	
10 13 11 00-0038 SF >12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	73.57	1.36
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	14.17	
10 13 11 00-0039 SF >16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	57.15	0.88
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	11.08	
10 13 11 00-0040 SF >24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet.....	53.77	0.49
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	10.56	
<b>10 13 11 00-0041 Outdoor, Glass Encased, Wall Mounted Directory Cabinets (10 13 11 00-0001)</b>		
Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
<b>10 13 11 00-0042 Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (10 13 11 00-0041)</b>		
<b>10 13 11 00-0043 Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (Claridge 548 Series) (10 13 11 00-0042)</b>		
10 13 11 00-0044 SF Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet.....	145.91	3.34
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	



<b>Specialties</b>	<b>10</b>
<b>Information Specialties</b>	<b>10 10</b>
<b>Directories</b>	<b>10 13</b>

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0045 SF >6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	99.27 15.00 12.00	1.57
10 13 11 00-0046 SF >12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	96.94 15.00 12.00	1.36
<b>10 13 11 00-0047 Wall Mounted Bulletin Boards</b> <small>(10 13 11)</small>		
<b>10 13 11 00-0048 Glass Encased, Wall Mounted Bulletin Board Cabinets</b> <small>(10 13 11 00-0047)</small> Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
<b>10 13 11 00-0049 Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets</b> <small>(10 13 11 00-0048)</small>		
<b>10 13 11 00-0050 Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 3070 Series)</b> <small>(10 13 11 00-0049)</small>		
10 13 11 00-0051 SF Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet ..... <i>For Fluorescent Lights, Add</i>	102.57 15.00	3.34
10 13 11 00-0052 SF >6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	85.44 15.00	1.57
10 13 11 00-0053 SF >12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	71.12 15.00	1.36
10 13 11 00-0054 SF >16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	66.85 15.00	0.88
10 13 11 00-0055 SF >24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	62.14 15.00	0.49
<b>10 13 11 00-0056 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 310 Series)</b> <small>(10 13 11 00-0049)</small>		
10 13 11 00-0057 SF Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	84.45 15.00	3.34
10 13 11 00-0058 SF >12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet ..... <i>For Fluorescent Lights, Add</i>	71.09 15.00	1.36
10 13 11 00-0059 SF >16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet ..... <i>For Fluorescent Lights, Add</i>	50.95 15.00	0.88
10 13 11 00-0060 SF >24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	47.19 15.00	0.49
<b>10 13 11 00-0061 Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets</b> <small>(10 13 11 00-0048)</small>		
<b>10 13 11 00-0062 Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series)</b> <small>(10 13 11 00-0061)</small>		
10 13 11 00-0063 SF Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	95.78 15.00 12.00 17.82	3.34
10 13 11 00-0064 SF >6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet ..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	77.51 15.00 12.00 14.87	1.57
10 13 11 00-0065 SF >12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet ..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	65.91 15.00 12.00 12.64	1.36
10 13 11 00-0066 SF >16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet ..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	49.40 15.00 12.00 9.53	0.88
10 13 11 00-0067 SF >24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet ..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	47.19 15.00 12.00 9.24	0.49
<b>10 13 11 00-0068 Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series)</b> <small>(10 13 11 00-0061)</small>		
10 13 11 00-0069 SF Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet ..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	151.20 15.00 12.00 28.90	3.34
10 13 11 00-0070 SF >6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	89.90 15.00 12.00 17.35	1.57
10 13 11 00-0071 SF >12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	76.05 15.00 12.00 14.67	1.36



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0072 SF >16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	59.64	0.88
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	11.58	
10 13 11 00-0073 SF >24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	56.25	0.49
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
For Header Panel, Add	11.05	
<b>10 13 11 00-0074 Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 11 00-0047)</b>		
Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
<b>10 13 11 00-0075 Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 11 00-0074)</b>		
<b>10 13 11 00-0076 Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 11 00-0075)</b>		
10 13 11 00-0077 SF Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	143.43	3.34
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
10 13 11 00-0078 SF >6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	96.79	1.57
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
10 13 11 00-0079 SF >12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	94.48	1.36
For Fluorescent Lights, Add	15.00	
For Bronze Anodize Finish, Add	12.00	
<b>10 14 Signage (10 10)</b>		
<b>10 14 16 Plaques (10 14)</b>		
Note: Price includes custom lettering and emblem casting sizes one to four SF each.		
<b>10 14 16 00-0001 Metal Cased Plaque (10 14 16)</b>		
10 14 16 00-0002 SF Bronze Cast Plaque With Lettering Including Emblem Size 1-4 SF Each.....	352.30	9.81
For >5 To 10, Deduct	-38.36	
For >10 Each, Deduct	-69.66	
10 14 16 00-0003 SF Aluminum Cast Plaque With Lettering Including Emblem Size 1-4 SF Each.....	214.83	9.81
For >5 To 10, Deduct	-23.24	
For >10 Each, Deduct	-40.80	
<b>10 14 16 00-0004 Metal Engraved Plaque, Etched (10 14 16)</b>		
10 14 16 00-0005 SF Porcelainized Steel Engraved Plaque Including Emblem Size 1-4 SF Each.....	238.74	9.81
For >5 To 10, Deduct	-25.87	
For >10 Each, Deduct	-45.82	
10 14 16 00-0006 SF Stainless Steel Engraved Plaque Including Emblem Size 1-4 SF Each.....	220.60	9.81
For >5 To 10, Deduct	-23.87	
For >10 Each, Deduct	-42.01	
10 14 16 00-0007 SF Brass Engraved Plaque Including Emblem Size 1-4 SF Each.....	142.30	9.81
For >5 To 10, Deduct	-15.26	
For >10 Each, Deduct	-25.56	
10 14 16 00-0008 SF Aluminum Engraved Plaque Including Emblem Size 1-4 SF Each.....	136.53	9.81
For >5 To 10, Deduct	-14.63	
For >10 Each, Deduct	-24.35	
<b>10 14 16 00-0009 Metal Built-Up Plaque (10 14 16)</b>		
10 14 16 00-0010 SF Bronze Built-up Plaque Including Emblem Size 1-4 SF Each.....	250.06	12.18
For >5 To 10, Deduct	-27.02	
For >10 Each, Deduct	-47.11	
10 14 16 00-0011 SF Copper And Bronze Built-up Plaque Including Emblem Size 1-4 SF Each.....	256.15	12.18
For >5 To 10, Deduct	-27.69	
For >10 Each, Deduct	-48.39	
10 14 16 00-0012 SF Copper And Aluminum Built-up Plaque Including Emblem Size 1-4 SF Each.....	236.19	12.18
For >5 To 10, Deduct	-25.49	
For >10 Each, Deduct	-44.20	
10 14 16 00-0013 SF Bronze Built-up Dedication Plaque Including Raised Bronze Lettering, (2'-3" x 3'-8-1/4").....	297.80	24.54
For >5 To 10, Deduct	-32.27	
For >10 Each, Deduct	-57.14	
10 14 16 00-0014 SF Bronze Built-up Plaque Including Raised Bronze Lettering (3' x 9").....	247.04	24.54
For >5 To 10, Deduct	-26.68	
For >10 Each, Deduct	-46.48	
<b>10 14 16 00-0015 Metal Nameplate Plaques (10 14 16)</b>		
10 14 16 00-0016 SF Cast Bronze Nameplate Plaque Including Emblem Size 1-4 SF Each.....	127.69	6.68
For >5 To 10, Deduct	-13.78	
For >10 Each, Deduct	-23.93	
10 14 16 00-0017 SF Cast Aluminum Nameplate Plaque Including Emblem Size 1-4 SF Each.....	170.44	6.68
For >5 To 10, Deduct	-18.49	
For >10 Each, Deduct	-32.91	



<b>Specialties</b>	<b>10</b>
<b>Information Specialties</b>	<b>10 10</b>
<b>Signage</b>	<b>10 14</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 16 00-0018	EA		1-1/2" x 6" Engraved Bronze Nameplate Including Emblem Size 1-4 SF Each .....	87.09	6.68
			<i>For &gt;5 To 10, Deduct</i>	-9.32	
			<i>For &gt;10 Each, Deduct</i>	-15.41	
10 14 16 00-0019	EA		1-1/2" x 6" Engraved Aluminum Nameplate Including Emblem Size 1-4 SF Each.....	75.65	6.68
			<i>For &gt;5 To 10, Deduct</i>	-8.06	
			<i>For &gt;10 Each, Deduct</i>	-13.01	
10 14 16 00-0020	SF		Bronze Built-up Plaque Including Raised Bronze Lettering (3' x 9") .....	239.78	24.54
			<i>For &gt;5 To 10, Deduct</i>	-25.89	
			<i>For &gt;10 Each, Deduct</i>	-44.96	

**10 14 19 Dimensional Letter Signage (10 14)**

Note: Mounted on masonry or concrete.

**10 14 19 00-0001 Cast Characters (10 14 19)**

**10 14 19 00-0002 Satin Finish, Cast Aluminum Characters (10 14 19 00-0001)**

10 14 19 00-0003	EA		2" High x 3/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	27.83	2.45
			<i>For Installation With Adhesive, Deduct</i>	-2.37	
			<i>For Clear Anodized, Add</i>	1.80	
			<i>For Satin Face And Enameled Return, Add</i>	5.41	
			<i>For Patina Finish, Add</i>	7.21	
			<i>For Color Anodized, Add</i>	9.01	
10 14 19 00-0004	EA		3" High x 1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	34.17	2.65
			<i>For Installation With Adhesive, Deduct</i>	-2.77	
			<i>For Clear Anodized, Add</i>	2.36	
			<i>For Satin Face And Enameled Return, Add</i>	7.07	
			<i>For Patina Finish, Add</i>	9.42	
			<i>For Color Anodized, Add</i>	11.78	
10 14 19 00-0005	EA		4" High x 5/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	37.71	2.85
			<i>For Installation With Adhesive, Deduct</i>	-3.02	
			<i>For Clear Anodized, Add</i>	2.63	
			<i>For Satin Face And Enameled Return, Add</i>	7.90	
			<i>For Patina Finish, Add</i>	10.53	
			<i>For Color Anodized, Add</i>	13.17	
10 14 19 00-0006	EA		5" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	43.44	3.26
			<i>For Installation With Adhesive, Deduct</i>	-3.47	
			<i>For Clear Anodized, Add</i>	3.05	
			<i>For Satin Face And Enameled Return, Add</i>	9.15	
			<i>For Patina Finish, Add</i>	12.20	
			<i>For Color Anodized, Add</i>	15.25	
10 14 19 00-0007	EA		6" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	48.40	3.43
			<i>For Installation With Adhesive, Deduct</i>	-3.80	
			<i>For Clear Anodized, Add</i>	3.47	
			<i>For Satin Face And Enameled Return, Add</i>	10.40	
			<i>For Patina Finish, Add</i>	13.86	
			<i>For Color Anodized, Add</i>	17.33	
10 14 19 00-0008	EA		8" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	58.68	3.93
			<i>For Installation With Adhesive, Deduct</i>	-4.51	
			<i>For Clear Anodized, Add</i>	4.30	
			<i>For Satin Face And Enameled Return, Add</i>	12.89	
			<i>For Patina Finish, Add</i>	17.19	
			<i>For Color Anodized, Add</i>	21.49	
10 14 19 00-0009	EA		9" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	66.39	4.12
			<i>For Installation With Adhesive, Deduct</i>	-4.97	
			<i>For Clear Anodized, Add</i>	4.99	
			<i>For Satin Face And Enameled Return, Add</i>	14.97	
			<i>For Patina Finish, Add</i>	19.96	
			<i>For Color Anodized, Add</i>	24.95	
10 14 19 00-0010	EA		10" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	77.26	4.42
			<i>For Installation With Adhesive, Deduct</i>	-5.63	
			<i>For Clear Anodized, Add</i>	5.96	
			<i>For Satin Face And Enameled Return, Add</i>	17.88	
			<i>For Patina Finish, Add</i>	23.84	
			<i>For Color Anodized, Add</i>	29.80	
10 14 19 00-0011	EA		12" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	95.26	5.10
			<i>For Installation With Adhesive, Deduct</i>	-6.81	
			<i>For Clear Anodized, Add</i>	7.48	
			<i>For Satin Face And Enameled Return, Add</i>	22.45	
			<i>For Patina Finish, Add</i>	29.94	
			<i>For Color Anodized, Add</i>	37.42	
10 14 19 00-0012	EA		14" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	115.04	5.89
			<i>For Installation With Adhesive, Deduct</i>	-8.11	
			<i>For Clear Anodized, Add</i>	9.15	
			<i>For Satin Face And Enameled Return, Add</i>	27.44	
			<i>For Patina Finish, Add</i>	36.59	
			<i>For Color Anodized, Add</i>	45.74	
10 14 19 00-0013	EA		15" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	125.98	6.54
			<i>For Installation With Adhesive, Deduct</i>	-8.92	
			<i>For Clear Anodized, Add</i>	9.98	
			<i>For Satin Face And Enameled Return, Add</i>	29.94	
			<i>For Patina Finish, Add</i>	39.92	
			<i>For Color Anodized, Add</i>	49.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0014 EA 16" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	141.92	7.07
For Installation With Adhesive, Deduct	-9.92	
For Clear Anodized, Add	11.37	
For Satin Face And Enameled Return, Add	34.10	
For Patina Finish, Add	45.46	
For Color Anodized, Add	56.83	
10 14 19 00-0015 EA 18" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	175.55	7.85
For Installation With Adhesive, Deduct	-11.92	
For Clear Anodized, Add	14.41	
For Satin Face And Enameled Return, Add	43.24	
For Patina Finish, Add	57.66	
For Color Anodized, Add	72.07	
10 14 19 00-0016 EA 20" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	215.52	8.83
For Installation With Adhesive, Deduct	-14.31	
For Clear Anodized, Add	18.02	
For Satin Face And Enameled Return, Add	54.05	
For Patina Finish, Add	72.07	
For Color Anodized, Add	90.09	
10 14 19 00-0017 EA 24" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs .....	263.79	9.81
For Installation With Adhesive, Deduct	-17.12	
For Clear Anodized, Add	22.45	
For Satin Face And Enameled Return, Add	67.36	
For Patina Finish, Add	89.81	
For Color Anodized, Add	112.27	
<b>10 14 19 00-0018 Satin Finish, Cast Bronze Characters</b> <small>(10 14 19 00-0001)</small>		
10 14 19 00-0019 EA 2" High x 3/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	34.34	2.70
For Installation With Adhesive, Deduct	-2.80	
For Oxidized Finish, Add	3.53	
For Polished Or Patina Finish, Add	7.06	
10 14 19 00-0020 EA 3" High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	53.26	2.95
For Installation With Adhesive, Deduct	-3.84	
For Oxidized Finish, Add	6.22	
For Polished Or Patina Finish, Add	12.44	
10 14 19 00-0021 EA 4" High x 5/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	58.53	3.14
For Installation With Adhesive, Deduct	-4.18	
For Oxidized Finish, Add	6.90	
For Polished Or Patina Finish, Add	13.79	
10 14 19 00-0022 EA 5" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	72.43	3.53
For Installation With Adhesive, Deduct	-5.03	
For Oxidized Finish, Add	8.75	
For Polished Or Patina Finish, Add	17.49	
10 14 19 00-0023 EA 6" High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	81.26	3.77
For Installation With Adhesive, Deduct	-5.57	
For Oxidized Finish, Add	9.92	
For Polished Or Patina Finish, Add	19.85	
10 14 19 00-0024 EA 8" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	111.46	4.32
For Installation With Adhesive, Deduct	-7.30	
For Oxidized Finish, Add	14.13	
For Polished Or Patina Finish, Add	28.25	
10 14 19 00-0025 EA 9" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	129.06	4.52
For Installation With Adhesive, Deduct	-8.26	
For Oxidized Finish, Add	16.65	
For Polished Or Patina Finish, Add	33.30	
10 14 19 00-0026 EA 10" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	145.20	4.91
For Installation With Adhesive, Deduct	-9.22	
For Oxidized Finish, Add	18.84	
For Polished Or Patina Finish, Add	37.67	
10 14 19 00-0027 EA 12" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	173.01	5.69
For Installation With Adhesive, Deduct	-10.93	
For Oxidized Finish, Add	22.54	
For Polished Or Patina Finish, Add	45.07	
10 14 19 00-0028 EA 14" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	204.18	6.48
For Installation With Adhesive, Deduct	-12.80	
For Oxidized Finish, Add	26.74	
For Polished Or Patina Finish, Add	53.48	
10 14 19 00-0029 EA 15" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	241.07	7.85
For Installation With Adhesive, Deduct	-15.19	
For Oxidized Finish, Add	31.45	
For Polished Or Patina Finish, Add	62.90	
10 14 19 00-0030 EA 16" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	249.04	8.44
For Installation With Adhesive, Deduct	-15.83	
For Oxidized Finish, Add	32.29	
For Polished Or Patina Finish, Add	64.58	
10 14 19 00-0031 EA 18" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	363.28	9.81
For Installation With Adhesive, Deduct	-22.09	
For Oxidized Finish, Add	48.60	
For Polished Or Patina Finish, Add	97.21	
10 14 19 00-0032 EA 20" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	441.07	11.04
For Installation With Adhesive, Deduct	-26.47	
For Oxidized Finish, Add	59.54	
For Polished Or Patina Finish, Add	119.07	



<b>Specialties</b>	<b>10</b>
<b>Information Specialties</b>	<b>10 10</b>
<b>Signage</b>	<b>10 14</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0033 EA 24" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs.....	566.79	12.76
For Installation With Adhesive, Deduct	-33.44	
For Oxidized Finish, Add	77.36	
For Polished Or Patina Finish, Add	154.73	
<b>10 14 19 00-0034 Molded Characters (10 14 19)</b>		
<b>10 14 19 00-0035 Molded Plastic Characters (10 14 19 00-0034)</b>		
10 14 19 00-0036 EA 4" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	19.84	1.96
For Installation With Adhesive, Deduct	-1.78	
10 14 19 00-0037 EA 5" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	21.36	2.16
For Installation With Adhesive, Deduct	-1.93	
10 14 19 00-0038 EA 6" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	23.70	2.36
For Installation With Adhesive, Deduct	-2.13	
10 14 19 00-0039 EA 8" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	32.15	2.55
For Installation With Adhesive, Deduct	-2.63	
10 14 19 00-0040 EA 9" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	34.78	2.75
For Installation With Adhesive, Deduct	-2.84	
10 14 19 00-0041 EA 10" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	37.79	2.95
For Installation With Adhesive, Deduct	-3.07	
10 14 19 00-0042 EA 12" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	44.04	3.43
For Installation With Adhesive, Deduct	-3.58	
10 14 19 00-0043 EA 15" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	58.83	4.32
For Installation With Adhesive, Deduct	-4.67	
10 14 19 00-0044 EA 18" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	76.42	5.10
For Installation With Adhesive, Deduct	-5.86	
10 14 19 00-0045 EA 24" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	118.07	6.28
For Installation With Adhesive, Deduct	-8.42	
10 14 19 00-0046 EA 30" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	182.91	7.36
For Installation With Adhesive, Deduct	-12.09	
10 14 19 00-0047 EA 36" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	244.84	8.44
For Installation With Adhesive, Deduct	-15.62	
10 14 19 00-0048 EA 48" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs.....	475.30	11.28
For Installation With Adhesive, Deduct	-28.28	
<b>10 14 19 00-0049 Cutout Characters (10 14 19)</b>		
<b>10 14 19 00-0050 Satin Finish, Aluminum Characters (10 14 19 00-0049)</b>		
<b>10 14 19 00-0051 1/4" Deep, Satin Finish, Aluminum Characters (10 14 19 00-0050)</b>		
10 14 19 00-0052 EA 2" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	25.06	2.45
For Installation With Adhesive, Deduct	-2.23	
For Clear Anodized, Add	1.53	
For Satin Face And Enameled Return, Add	5.34	
For Color Anodized, Add	7.63	
For Polished Or Patina Finish, Add	7.63	
For Polished Anodized Finish, Add	11.44	
10 14 19 00-0053 EA 4" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	37.71	2.85
For Installation With Adhesive, Deduct	-3.02	
For Clear Anodized, Add	2.63	
For Satin Face And Enameled Return, Add	9.22	
For Color Anodized, Add	13.17	
For Polished Or Patina Finish, Add	13.17	
For Polished Anodized Finish, Add	19.75	
10 14 19 00-0054 EA 6" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	52.56	3.43
For Installation With Adhesive, Deduct	-4.00	
For Clear Anodized, Add	3.88	
For Satin Face And Enameled Return, Add	13.58	
For Color Anodized, Add	19.41	
For Polished Or Patina Finish, Add	19.41	
For Polished Anodized Finish, Add	29.11	
10 14 19 00-0055 EA 8" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	65.61	3.93
For Installation With Adhesive, Deduct	-4.85	
For Clear Anodized, Add	4.99	
For Satin Face And Enameled Return, Add	17.47	
For Color Anodized, Add	24.95	
For Polished Or Patina Finish, Add	24.95	
For Polished Anodized Finish, Add	37.43	
10 14 19 00-0056 EA 10" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	75.87	4.42
For Installation With Adhesive, Deduct	-5.56	
For Clear Anodized, Add	5.82	
For Satin Face And Enameled Return, Add	20.37	
For Color Anodized, Add	29.11	
For Polished Or Patina Finish, Add	29.11	
For Polished Anodized Finish, Add	43.66	
10 14 19 00-0057 EA 12" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs .....	86.95	5.10
For Installation With Adhesive, Deduct	-6.39	
For Clear Anodized, Add	6.65	
For Satin Face And Enameled Return, Add	23.29	
For Color Anodized, Add	33.27	
For Polished Or Patina Finish, Add	33.27	
For Polished Anodized Finish, Add	49.90	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0058 EA 14" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	102.56	5.89
For Installation With Adhesive, Deduct	-7.48	
For Clear Anodized, Add	7.90	
For Satin Face And Enameled Return, Add	27.65	
For Color Anodized, Add	39.50	
For Polished Or Patina Finish, Add	39.50	
For Polished Anodized Finish, Add	59.25	
10 14 19 00-0059 EA 16" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	121.13	7.07
For Installation With Adhesive, Deduct	-8.88	
For Clear Anodized, Add	9.29	
For Satin Face And Enameled Return, Add	32.50	
For Color Anodized, Add	46.43	
For Polished Or Patina Finish, Add	46.43	
For Polished Anodized Finish, Add	69.65	
10 14 19 00-0060 EA 18" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	136.75	7.85
For Installation With Adhesive, Deduct	-9.98	
For Clear Anodized, Add	10.53	
For Satin Face And Enameled Return, Add	36.87	
For Color Anodized, Add	52.67	
For Polished Or Patina Finish, Add	52.67	
For Polished Anodized Finish, Add	79.01	
10 14 19 00-0061 EA 20" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	167.01	8.83
For Installation With Adhesive, Deduct	-11.88	
For Clear Anodized, Add	13.17	
For Satin Face And Enameled Return, Add	46.08	
For Color Anodized, Add	65.84	
For Polished Or Patina Finish, Add	65.84	
For Polished Anodized Finish, Add	98.75	
10 14 19 00-0062 EA 22" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	195.31	9.33
For Installation With Adhesive, Deduct	-13.50	
For Clear Anodized, Add	15.80	
For Satin Face And Enameled Return, Add	55.30	
For Color Anodized, Add	79.00	
For Polished Or Patina Finish, Add	79.00	
For Polished Anodized Finish, Add	118.50	
10 14 19 00-0063 EA 24" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	249.93	9.81
For Installation With Adhesive, Deduct	-16.42	
For Clear Anodized, Add	21.07	
For Satin Face And Enameled Return, Add	73.73	
For Color Anodized, Add	105.34	
For Polished Or Patina Finish, Add	105.34	
For Polished Anodized Finish, Add	158.00	
10 14 19 00-0064 EA 30" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	368.21	11.78
For Installation With Adhesive, Deduct	-23.12	
For Clear Anodized, Add	32.11	
For Satin Face And Enameled Return, Add	112.38	
For Color Anodized, Add	160.55	
For Polished Or Patina Finish, Add	160.55	
For Polished Anodized Finish, Add	240.82	
<b>10 14 19 00-0065 3/8" Deep, Satin Finish, Aluminum Characters</b> <small>(10 14 19 00-0050)</small>		
10 14 19 00-0066 EA 2" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	34.81	2.45
For Installation With Adhesive, Deduct	-2.72	
For Clear Anodized, Add	2.50	
For Satin Face And Enameled Return, Add	8.75	
For Color Anodized, Add	12.50	
For Polished Or Patina Finish, Add	12.50	
For Polished Anodized Finish, Add	18.75	
10 14 19 00-0067 EA 4" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	52.99	2.85
For Installation With Adhesive, Deduct	-3.79	
For Clear Anodized, Add	4.16	
For Satin Face And Enameled Return, Add	14.56	
For Color Anodized, Add	20.81	
For Polished Or Patina Finish, Add	20.81	
For Polished Anodized Finish, Add	31.21	
10 14 19 00-0068 EA 6" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	67.69	3.43
For Installation With Adhesive, Deduct	-4.76	
For Clear Anodized, Add	5.39	
For Satin Face And Enameled Return, Add	18.88	
For Color Anodized, Add	26.97	
For Polished Or Patina Finish, Add	26.97	
For Polished Anodized Finish, Add	40.46	
10 14 19 00-0069 EA 8" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	86.56	3.93
For Installation With Adhesive, Deduct	-5.90	
For Clear Anodized, Add	7.09	
For Satin Face And Enameled Return, Add	24.80	
For Color Anodized, Add	35.43	
For Polished Or Patina Finish, Add	35.43	
For Polished Anodized Finish, Add	53.14	
10 14 19 00-0070 EA 10" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	100.90	4.42
For Installation With Adhesive, Deduct	-6.81	
For Clear Anodized, Add	8.32	
For Satin Face And Enameled Return, Add	29.13	
For Color Anodized, Add	41.62	
For Polished Or Patina Finish, Add	41.62	
For Polished Anodized Finish, Add	62.43	



<b>Specialties</b>	<b>10</b>
<b>Information Specialties</b>	<b>10 10</b>
<b>Signage</b>	<b>10 14</b>

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0071	EA		12" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	118.88 -7.99 9.85 34.46 49.23 49.23 73.85	5.10
10 14 19 00-0072	EA		14" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	139.69 -9.34 11.61 40.65 58.07 58.07 87.10	5.89
10 14 19 00-0073	EA		16" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	174.06 -11.53 14.58 51.03 72.90 72.90 109.34	7.07
10 14 19 00-0074	EA		18" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	203.11 -13.30 17.17 60.10 85.85 85.85 128.78	7.85
10 14 19 00-0075	EA		20" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	236.80 -15.37 20.15 70.51 100.73 100.73 151.10	8.83
10 14 19 00-0076	EA		22" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	268.00 -17.13 23.07 80.74 115.35 115.35 173.02	9.33
10 14 19 00-0077	EA		24" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	300.49 -18.95 26.12 91.43 130.62 130.62 195.92	9.81
10 14 19 00-0078	EA		30" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	421.34 -25.78 37.42 130.98 187.11 187.11 280.67	11.78
<b>10 14 19 00-0079</b>			<b>1/2" Deep, Satin Finish, Aluminum Characters</b> <small>(10 14 19 00-0050)</small>		
10 14 19 00-0080	EA		2" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	46.10 -3.29 3.63 12.70 18.15 18.15 27.22	2.45
10 14 19 00-0081	EA		4" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	61.15 -4.20 4.98 17.42 24.89 24.89 37.33	2.85
10 14 19 00-0082	EA		6" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	77.40 -5.25 6.37 22.28 31.83 31.83 47.74	3.43
10 14 19 00-0083	EA		8" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... <i>For Installation With Adhesive, Deduct</i> <i>For Clear Anodized, Add</i> <i>For Satin Face And Enameled Return, Add</i> <i>For Color Anodized, Add</i> <i>For Polished Or Patina Finish, Add</i> <i>For Polished Anodized Finish, Add</i>	92.05 -6.17 7.63 26.72 38.17 38.17 57.26	3.93



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0084	EA		10" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	107.89	4.42
			<i>For Installation With Adhesive, Deduct</i>	-7.16	
			<i>For Clear Anodized, Add</i>	9.02	
			<i>For Satin Face And Enameled Return, Add</i>	31.58	
			<i>For Color Anodized, Add</i>	45.12	
			<i>For Polished Or Patina Finish, Add</i>	45.12	
			<i>For Polished Anodized Finish, Add</i>	67.67	
10 14 19 00-0085	EA		12" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	134.18	5.10
			<i>For Installation With Adhesive, Deduct</i>	-8.75	
			<i>For Clear Anodized, Add</i>	11.38	
			<i>For Satin Face And Enameled Return, Add</i>	39.82	
			<i>For Color Anodized, Add</i>	56.88	
			<i>For Polished Or Patina Finish, Add</i>	56.88	
			<i>For Polished Anodized Finish, Add</i>	85.32	
10 14 19 00-0086	EA		14" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	167.34	5.89
			<i>For Installation With Adhesive, Deduct</i>	-10.72	
			<i>For Clear Anodized, Add</i>	14.38	
			<i>For Satin Face And Enameled Return, Add</i>	50.32	
			<i>For Color Anodized, Add</i>	71.89	
			<i>For Polished Or Patina Finish, Add</i>	71.89	
			<i>For Polished Anodized Finish, Add</i>	107.84	
10 14 19 00-0087	EA		16" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	202.85	7.07
			<i>For Installation With Adhesive, Deduct</i>	-12.97	
			<i>For Clear Anodized, Add</i>	17.46	
			<i>For Satin Face And Enameled Return, Add</i>	61.10	
			<i>For Color Anodized, Add</i>	87.29	
			<i>For Polished Or Patina Finish, Add</i>	87.29	
			<i>For Polished Anodized Finish, Add</i>	130.94	
10 14 19 00-0088	EA		18" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	249.46	7.85
			<i>For Installation With Adhesive, Deduct</i>	-15.61	
			<i>For Clear Anodized, Add</i>	21.81	
			<i>For Satin Face And Enameled Return, Add</i>	76.32	
			<i>For Color Anodized, Add</i>	109.03	
			<i>For Polished Or Patina Finish, Add</i>	109.03	
			<i>For Polished Anodized Finish, Add</i>	163.54	
10 14 19 00-0089	EA		20" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	296.05	8.83
			<i>For Installation With Adhesive, Deduct</i>	-18.34	
			<i>For Clear Anodized, Add</i>	26.07	
			<i>For Satin Face And Enameled Return, Add</i>	91.25	
			<i>For Color Anodized, Add</i>	130.36	
			<i>For Polished Or Patina Finish, Add</i>	130.36	
			<i>For Polished Anodized Finish, Add</i>	195.53	
10 14 19 00-0090	EA		22" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	343.84	9.33
			<i>For Installation With Adhesive, Deduct</i>	-20.92	
			<i>For Clear Anodized, Add</i>	30.65	
			<i>For Satin Face And Enameled Return, Add</i>	107.29	
			<i>For Color Anodized, Add</i>	153.27	
			<i>For Polished Or Patina Finish, Add</i>	153.27	
			<i>For Polished Anodized Finish, Add</i>	229.90	
10 14 19 00-0091	EA		24" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	388.98	9.81
			<i>For Installation With Adhesive, Deduct</i>	-23.38	
			<i>For Clear Anodized, Add</i>	34.97	
			<i>For Satin Face And Enameled Return, Add</i>	122.40	
			<i>For Color Anodized, Add</i>	174.86	
			<i>For Polished Or Patina Finish, Add</i>	174.86	
			<i>For Polished Anodized Finish, Add</i>	262.29	
10 14 19 00-0092	EA		30" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	548.57	11.78
			<i>For Installation With Adhesive, Deduct</i>	-32.14	
			<i>For Clear Anodized, Add</i>	50.15	
			<i>For Satin Face And Enameled Return, Add</i>	175.51	
			<i>For Color Anodized, Add</i>	250.73	
			<i>For Polished Or Patina Finish, Add</i>	250.73	
			<i>For Polished Anodized Finish, Add</i>	376.09	
10 14 19 00-0093			<b>3/4" Deep, Satin Finish, Aluminum Characters</b> (10 14 19 00-0050)		
10 14 19 00-0094	EA		2" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	48.69	2.45
			<i>For Installation With Adhesive, Deduct</i>	-3.42	
			<i>For Clear Anodized, Add</i>	3.89	
			<i>For Satin Face And Enameled Return, Add</i>	13.61	
			<i>For Color Anodized, Add</i>	19.44	
			<i>For Polished Or Patina Finish, Add</i>	19.44	
			<i>For Polished Anodized Finish, Add</i>	29.16	
10 14 19 00-0095	EA		4" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	64.05	2.85
			<i>For Installation With Adhesive, Deduct</i>	-4.34	
			<i>For Clear Anodized, Add</i>	5.27	
			<i>For Satin Face And Enameled Return, Add</i>	18.43	
			<i>For Color Anodized, Add</i>	26.34	
			<i>For Polished Or Patina Finish, Add</i>	26.34	
			<i>For Polished Anodized Finish, Add</i>	39.50	
10 14 19 00-0096	EA		6" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	85.93	3.43
			<i>For Installation With Adhesive, Deduct</i>	-5.67	
			<i>For Clear Anodized, Add</i>	7.22	
			<i>For Satin Face And Enameled Return, Add</i>	25.26	
			<i>For Color Anodized, Add</i>	36.09	
			<i>For Polished Or Patina Finish, Add</i>	36.09	
			<i>For Polished Anodized Finish, Add</i>	54.14	



<b>Specialties</b>	<b>10</b>
<b>Information Specialties</b>	<b>10 10</b>
<b>Signage</b>	<b>10 14</b>

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0097	EA		8" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... 117.00		3.93
			<i>For Installation With Adhesive, Deduct</i>	-7.42	
			<i>For Clear Anodized, Add</i>	10.13	
			<i>For Satin Face And Enameled Return, Add</i>	35.45	
			<i>For Color Anodized, Add</i>	50.65	
			<i>For Polished Or Patina Finish, Add</i>	50.65	
			<i>For Polished Anodized Finish, Add</i>	75.97	
10 14 19 00-0098	EA		10" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... 149.22		4.42
			<i>For Installation With Adhesive, Deduct</i>	-9.23	
			<i>For Clear Anodized, Add</i>	13.16	
			<i>For Satin Face And Enameled Return, Add</i>	46.05	
			<i>For Color Anodized, Add</i>	65.78	
			<i>For Polished Or Patina Finish, Add</i>	65.78	
			<i>For Polished Anodized Finish, Add</i>	98.67	
10 14 19 00-0099	EA		12" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... 189.40		5.10
			<i>For Installation With Adhesive, Deduct</i>	-11.51	
			<i>For Clear Anodized, Add</i>	16.90	
			<i>For Satin Face And Enameled Return, Add</i>	59.14	
			<i>For Color Anodized, Add</i>	84.49	
			<i>For Polished Or Patina Finish, Add</i>	84.49	
			<i>For Polished Anodized Finish, Add</i>	126.74	
10 14 19 00-0100	EA		14" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... 238.45		5.89
			<i>For Installation With Adhesive, Deduct</i>	-14.28	
			<i>For Clear Anodized, Add</i>	21.49	
			<i>For Satin Face And Enameled Return, Add</i>	75.21	
			<i>For Color Anodized, Add</i>	107.45	
			<i>For Polished Or Patina Finish, Add</i>	107.45	
			<i>For Polished Anodized Finish, Add</i>	161.17	
10 14 19 00-0101	EA		16" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... 295.71		7.07
			<i>For Installation With Adhesive, Deduct</i>	-17.61	
			<i>For Clear Anodized, Add</i>	26.74	
			<i>For Satin Face And Enameled Return, Add</i>	93.60	
			<i>For Color Anodized, Add</i>	133.72	
			<i>For Polished Or Patina Finish, Add</i>	133.72	
			<i>For Polished Anodized Finish, Add</i>	200.58	
10 14 19 00-0102	EA		18" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... 365.33		7.85
			<i>For Installation With Adhesive, Deduct</i>	-21.41	
			<i>For Clear Anodized, Add</i>	33.39	
			<i>For Satin Face And Enameled Return, Add</i>	116.87	
			<i>For Color Anodized, Add</i>	166.96	
			<i>For Polished Or Patina Finish, Add</i>	166.96	
			<i>For Polished Anodized Finish, Add</i>	250.44	
10 14 19 00-0103	EA		20" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... 436.93		8.83
			<i>For Installation With Adhesive, Deduct</i>	-25.38	
			<i>For Clear Anodized, Add</i>	40.16	
			<i>For Satin Face And Enameled Return, Add</i>	140.56	
			<i>For Color Anodized, Add</i>	200.80	
			<i>For Polished Or Patina Finish, Add</i>	200.80	
			<i>For Polished Anodized Finish, Add</i>	301.19	
10 14 19 00-0104	EA		22" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... 511.32		9.33
			<i>For Installation With Adhesive, Deduct</i>	-29.30	
			<i>For Clear Anodized, Add</i>	47.40	
			<i>For Satin Face And Enameled Return, Add</i>	165.90	
			<i>For Color Anodized, Add</i>	237.01	
			<i>For Polished Or Patina Finish, Add</i>	237.01	
			<i>For Polished Anodized Finish, Add</i>	355.51	
10 14 19 00-0105	EA		24" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... 589.11		9.81
			<i>For Installation With Adhesive, Deduct</i>	-33.38	
			<i>For Clear Anodized, Add</i>	54.99	
			<i>For Satin Face And Enameled Return, Add</i>	192.45	
			<i>For Color Anodized, Add</i>	274.93	
			<i>For Polished Or Patina Finish, Add</i>	274.93	
			<i>For Polished Anodized Finish, Add</i>	412.39	
10 14 19 00-0106	EA		30" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... 818.01		11.78
			<i>For Installation With Adhesive, Deduct</i>	-45.61	
			<i>For Clear Anodized, Add</i>	77.09	
			<i>For Satin Face And Enameled Return, Add</i>	269.81	
			<i>For Color Anodized, Add</i>	385.45	
			<i>For Polished Or Patina Finish, Add</i>	385.45	
			<i>For Polished Anodized Finish, Add</i>	578.17	
10 14 19 00-0107			<b>1" Deep, Satin Finish, Aluminum Characters</b> (10 14 19 00-0050)		
10 14 19 00-0108	EA		2" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... 55.55		2.45
			<i>For Installation With Adhesive, Deduct</i>	-3.76	
			<i>For Clear Anodized, Add</i>	4.57	
			<i>For Satin Face And Enameled Return, Add</i>	16.01	
			<i>For Color Anodized, Add</i>	22.87	
			<i>For Polished Or Patina Finish, Add</i>	22.87	
			<i>For Polished Anodized Finish, Add</i>	34.31	
10 14 19 00-0109	EA		4" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs ..... 69.58		2.85
			<i>For Installation With Adhesive, Deduct</i>	-4.62	
			<i>For Clear Anodized, Add</i>	5.82	
			<i>For Satin Face And Enameled Return, Add</i>	20.37	
			<i>For Color Anodized, Add</i>	29.10	
			<i>For Polished Or Patina Finish, Add</i>	29.10	
			<i>For Polished Anodized Finish, Add</i>	43.65	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0110	EA		6" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	92.92	3.43
			<i>For Installation With Adhesive, Deduct</i>	-6.02	
			<i>For Clear Anodized, Add</i>	7.92	
			<i>For Satin Face And Enameled Return, Add</i>	27.71	
			<i>For Color Anodized, Add</i>	39.59	
			<i>For Polished Or Patina Finish, Add</i>	39.59	
			<i>For Polished Anodized Finish, Add</i>	59.38	
10 14 19 00-0111	EA		8" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	130.97	3.93
			<i>For Installation With Adhesive, Deduct</i>	-8.12	
			<i>For Clear Anodized, Add</i>	11.53	
			<i>For Satin Face And Enameled Return, Add</i>	40.34	
			<i>For Color Anodized, Add</i>	57.63	
			<i>For Polished Or Patina Finish, Add</i>	57.63	
			<i>For Polished Anodized Finish, Add</i>	86.45	
10 14 19 00-0112	EA		10" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	182.40	4.42
			<i>For Installation With Adhesive, Deduct</i>	-10.89	
			<i>For Clear Anodized, Add</i>	16.47	
			<i>For Satin Face And Enameled Return, Add</i>	57.66	
			<i>For Color Anodized, Add</i>	82.37	
			<i>For Polished Or Patina Finish, Add</i>	82.37	
			<i>For Polished Anodized Finish, Add</i>	123.56	
10 14 19 00-0113	EA		12" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	241.96	5.10
			<i>For Installation With Adhesive, Deduct</i>	-14.14	
			<i>For Clear Anodized, Add</i>	22.15	
			<i>For Satin Face And Enameled Return, Add</i>	77.54	
			<i>For Color Anodized, Add</i>	110.77	
			<i>For Polished Or Patina Finish, Add</i>	110.77	
			<i>For Polished Anodized Finish, Add</i>	166.16	
10 14 19 00-0114	EA		14" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	308.76	5.89
			<i>For Installation With Adhesive, Deduct</i>	-17.79	
			<i>For Clear Anodized, Add</i>	28.52	
			<i>For Satin Face And Enameled Return, Add</i>	99.82	
			<i>For Color Anodized, Add</i>	142.60	
			<i>For Polished Or Patina Finish, Add</i>	142.60	
			<i>For Polished Anodized Finish, Add</i>	213.90	
10 14 19 00-0115	EA		16" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	384.86	7.07
			<i>For Installation With Adhesive, Deduct</i>	-22.07	
			<i>For Clear Anodized, Add</i>	35.66	
			<i>For Satin Face And Enameled Return, Add</i>	124.81	
			<i>For Color Anodized, Add</i>	178.30	
			<i>For Polished Or Patina Finish, Add</i>	178.30	
			<i>For Polished Anodized Finish, Add</i>	267.44	
10 14 19 00-0116	EA		18" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	469.61	7.85
			<i>For Installation With Adhesive, Deduct</i>	-26.62	
			<i>For Clear Anodized, Add</i>	43.82	
			<i>For Satin Face And Enameled Return, Add</i>	153.37	
			<i>For Color Anodized, Add</i>	219.10	
			<i>For Polished Or Patina Finish, Add</i>	219.10	
			<i>For Polished Anodized Finish, Add</i>	328.65	
10 14 19 00-0117	EA		20" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	581.77	8.83
			<i>For Installation With Adhesive, Deduct</i>	-32.62	
			<i>For Clear Anodized, Add</i>	54.64	
			<i>For Satin Face And Enameled Return, Add</i>	191.25	
			<i>For Color Anodized, Add</i>	273.22	
			<i>For Polished Or Patina Finish, Add</i>	273.22	
			<i>For Polished Anodized Finish, Add</i>	409.82	
10 14 19 00-0118	EA		22" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	699.35	9.33
			<i>For Installation With Adhesive, Deduct</i>	-38.70	
			<i>For Clear Anodized, Add</i>	66.20	
			<i>For Satin Face And Enameled Return, Add</i>	231.71	
			<i>For Color Anodized, Add</i>	331.02	
			<i>For Polished Or Patina Finish, Add</i>	331.02	
			<i>For Polished Anodized Finish, Add</i>	496.53	
10 14 19 00-0119	EA		24" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	831.39	9.81
			<i>For Installation With Adhesive, Deduct</i>	-45.50	
			<i>For Clear Anodized, Add</i>	79.21	
			<i>For Satin Face And Enameled Return, Add</i>	277.25	
			<i>For Color Anodized, Add</i>	396.07	
			<i>For Polished Or Patina Finish, Add</i>	396.07	
			<i>For Polished Anodized Finish, Add</i>	594.10	
10 14 19 00-0120	EA		30" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs.....	1,184.75	11.78
			<i>For Installation With Adhesive, Deduct</i>	-63.95	
			<i>For Clear Anodized, Add</i>	113.76	
			<i>For Satin Face And Enameled Return, Add</i>	398.17	
			<i>For Color Anodized, Add</i>	568.82	
			<i>For Polished Or Patina Finish, Add</i>	568.82	
			<i>For Polished Anodized Finish, Add</i>	853.22	
10 14 19 00-0121			Satin Finish, Brass Characters <small>(10 14 19 00-0049)</small>		
10 14 19 00-0122			1/4" Deep, Satin Finish, Brass Characters <small>(10 14 19 00-0121)</small>		
10 14 19 00-0123	EA		2" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	38.70	2.45
			<i>For Installation With Adhesive, Deduct</i>	-2.92	
			<i>For Oxidized Finish, Add</i>	4.33	
			<i>For Polished Finish, Add</i>	8.67	



<b>Specialties</b>	<b>10</b>
<b>Information Specialties</b>	<b>10 10</b>
<b>Signage</b>	<b>10 14</b>

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0124	EA		4" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....51.58 <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	-3.72 6.03 12.06	2.85
10 14 19 00-0125	EA		6" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....73.60 <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	-5.06 8.98 17.96	3.43
10 14 19 00-0126	EA		8" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....99.29 <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	-6.54 12.54 25.07	3.93
10 14 19 00-0127	EA		10" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....130.13 <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	-8.27 16.87 33.74	4.42
10 14 19 00-0128	EA		12" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....166.94 <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	-10.39 21.98 43.96	5.10
10 14 19 00-0129	EA		14" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....211.35 <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	-12.92 28.17 56.34	5.89
10 14 19 00-0130	EA		16" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....258.37 <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	-15.75 34.52 69.03	7.07
10 14 19 00-0131	EA		18" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....317.37 <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	-19.01 42.89 85.79	7.85
10 14 19 00-0132	EA		20" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....379.97 <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	-22.53 51.69 103.39	8.83
10 14 19 00-0133	EA		22" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....474.81 <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	-27.47 65.63 131.25	9.33
10 14 19 00-0134	EA		24" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....522.75 <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	-30.06 72.52 145.05	9.81
10 14 19 00-0135	EA		30" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....800.99 <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	-44.76 113.08 226.16	11.78
<b>10 14 19 00-0136</b>			<b>3/8" Deep, Satin Finish, Brass Characters</b> <small>(10 14 19 00-0121)</small>		
10 14 19 00-0137	EA		2" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....48.81 <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	-3.42 5.85 11.70	2.45
10 14 19 00-0138	EA		4" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....65.65 <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	-4.42 8.14 16.28	2.85
10 14 19 00-0139	EA		6" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....97.53 <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	-6.25 12.57 25.13	3.43
10 14 19 00-0140	EA		8" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....132.72 <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	-8.21 17.55 35.10	3.93
10 14 19 00-0141	EA		10" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....180.74 <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	-10.80 24.46 48.92	4.42
10 14 19 00-0142	EA		12" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....232.87 <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	-13.69 31.87 63.74	5.10
10 14 19 00-0143	EA		14" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....295.86 <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	-17.15 40.85 81.69	5.89
10 14 19 00-0144	EA		16" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....350.41 <i>For Installation With Adhesive, Deduct</i> <i>For Oxidized Finish, Add</i> <i>For Polished Finish, Add</i>	-20.35 48.32 96.64	7.07



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0145	EA		18" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	446.06	7.85
			<i>For Installation With Adhesive, Deduct</i>	-25.44	
			<i>For Oxidized Finish, Add</i>	62.20	
			<i>For Polished Finish, Add</i>	124.40	
10 14 19 00-0146	EA		20" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	517.82	8.83
			<i>For Installation With Adhesive, Deduct</i>	-29.43	
			<i>For Oxidized Finish, Add</i>	72.37	
			<i>For Polished Finish, Add</i>	144.74	
10 14 19 00-0147	EA		22" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	645.43	9.33
			<i>For Installation With Adhesive, Deduct</i>	-36.00	
			<i>For Oxidized Finish, Add</i>	91.22	
			<i>For Polished Finish, Add</i>	182.44	
10 14 19 00-0148	EA		24" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	740.31	9.81
			<i>For Installation With Adhesive, Deduct</i>	-40.94	
			<i>For Oxidized Finish, Add</i>	105.16	
			<i>For Polished Finish, Add</i>	210.32	
10 14 19 00-0149	EA		30" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	1,034.70	11.78
			<i>For Installation With Adhesive, Deduct</i>	-56.45	
			<i>For Oxidized Finish, Add</i>	148.14	
			<i>For Polished Finish, Add</i>	296.27	
<b>10 14 19 00-0150</b>			<b>1/2" Deep, Satin Finish, Brass Characters</b> <small>(10 14 19 00-0121)</small>		
10 14 19 00-0151	EA		2" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	64.70	2.45
			<i>For Installation With Adhesive, Deduct</i>	-4.22	
			<i>For Oxidized Finish, Add</i>	8.23	
			<i>For Polished Finish, Add</i>	16.47	
10 14 19 00-0152	EA		4" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	85.75	2.85
			<i>For Installation With Adhesive, Deduct</i>	-5.43	
			<i>For Oxidized Finish, Add</i>	11.16	
			<i>For Polished Finish, Add</i>	22.31	
10 14 19 00-0153	EA		6" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	127.46	3.43
			<i>For Installation With Adhesive, Deduct</i>	-7.75	
			<i>For Oxidized Finish, Add</i>	17.06	
			<i>For Polished Finish, Add</i>	34.11	
10 14 19 00-0154	EA		8" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	178.69	3.93
			<i>For Installation With Adhesive, Deduct</i>	-10.51	
			<i>For Oxidized Finish, Add</i>	24.45	
			<i>For Polished Finish, Add</i>	48.89	
10 14 19 00-0155	EA		10" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	253.85	4.42
			<i>For Installation With Adhesive, Deduct</i>	-14.46	
			<i>For Oxidized Finish, Add</i>	35.43	
			<i>For Polished Finish, Add</i>	70.86	
10 14 19 00-0156	EA		12" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	342.76	5.10
			<i>For Installation With Adhesive, Deduct</i>	-19.18	
			<i>For Oxidized Finish, Add</i>	48.35	
			<i>For Polished Finish, Add</i>	96.70	
10 14 19 00-0157	EA		14" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	427.32	5.89
			<i>For Installation With Adhesive, Deduct</i>	-23.72	
			<i>For Oxidized Finish, Add</i>	60.56	
			<i>For Polished Finish, Add</i>	121.13	
10 14 19 00-0158	EA		16" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	509.17	7.07
			<i>For Installation With Adhesive, Deduct</i>	-28.29	
			<i>For Oxidized Finish, Add</i>	72.14	
			<i>For Polished Finish, Add</i>	144.27	
10 14 19 00-0159	EA		18" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	703.43	7.85
			<i>For Installation With Adhesive, Deduct</i>	-38.31	
			<i>For Oxidized Finish, Add</i>	100.80	
			<i>For Polished Finish, Add</i>	201.61	
10 14 19 00-0160	EA		20" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	793.53	8.83
			<i>For Installation With Adhesive, Deduct</i>	-43.21	
			<i>For Oxidized Finish, Add</i>	113.73	
			<i>For Polished Finish, Add</i>	227.46	
10 14 19 00-0161	EA		22" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	999.80	9.33
			<i>For Installation With Adhesive, Deduct</i>	-53.72	
			<i>For Oxidized Finish, Add</i>	144.37	
			<i>For Polished Finish, Add</i>	288.75	
10 14 19 00-0162	EA		24" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	1,175.45	9.81
			<i>For Installation With Adhesive, Deduct</i>	-62.70	
			<i>For Oxidized Finish, Add</i>	170.43	
			<i>For Polished Finish, Add</i>	340.86	
10 14 19 00-0163	EA		30" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	1,788.57	11.78
			<i>For Installation With Adhesive, Deduct</i>	-94.14	
			<i>For Oxidized Finish, Add</i>	261.22	
			<i>For Polished Finish, Add</i>	522.44	
<b>10 14 19 00-0164</b>			<b>3/4" Deep, Satin Finish, Brass Characters</b> <small>(10 14 19 00-0121)</small>		
10 14 19 00-0165	EA		2" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	82.04	2.45
			<i>For Installation With Adhesive, Deduct</i>	-5.08	
			<i>For Oxidized Finish, Add</i>	10.83	
			<i>For Polished Finish, Add</i>	21.67	



<b>Specialties</b>	<b>10</b>
<b>Information Specialties</b>	<b>10 10</b>
<b>Signage</b>	<b>10 14</b>

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0166	EA		4" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	117.92	2.85
			<i>For Installation With Adhesive, Deduct</i>	-7.03	
			<i>For Oxidized Finish, Add</i>	15.98	
			<i>For Polished Finish, Add</i>	31.96	
10 14 19 00-0167	EA		6" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	163.37	3.43
			<i>For Installation With Adhesive, Deduct</i>	-9.54	
			<i>For Oxidized Finish, Add</i>	22.44	
			<i>For Polished Finish, Add</i>	44.89	
10 14 19 00-0168	EA		8" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	224.66	3.93
			<i>For Installation With Adhesive, Deduct</i>	-12.80	
			<i>For Oxidized Finish, Add</i>	31.34	
			<i>For Polished Finish, Add</i>	62.69	
10 14 19 00-0169	EA		10" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	310.08	4.42
			<i>For Installation With Adhesive, Deduct</i>	-17.27	
			<i>For Oxidized Finish, Add</i>	43.86	
			<i>For Polished Finish, Add</i>	87.73	
10 14 19 00-0170	EA		12" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	430.68	5.10
			<i>For Installation With Adhesive, Deduct</i>	-23.58	
			<i>For Oxidized Finish, Add</i>	61.54	
			<i>For Polished Finish, Add</i>	123.08	
10 14 19 00-0171	EA		14" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	539.99	5.89
			<i>For Installation With Adhesive, Deduct</i>	-29.36	
			<i>For Oxidized Finish, Add</i>	77.46	
			<i>For Polished Finish, Add</i>	154.93	
10 14 19 00-0172	EA		16" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	628.83	7.07
			<i>For Installation With Adhesive, Deduct</i>	-34.27	
			<i>For Oxidized Finish, Add</i>	90.08	
			<i>For Polished Finish, Add</i>	180.17	
10 14 19 00-0173	EA		18" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	846.41	7.85
			<i>For Installation With Adhesive, Deduct</i>	-45.46	
			<i>For Oxidized Finish, Add</i>	122.25	
			<i>For Polished Finish, Add</i>	244.50	
10 14 19 00-0174	EA		20" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	924.49	8.83
			<i>For Installation With Adhesive, Deduct</i>	-49.76	
			<i>For Oxidized Finish, Add</i>	133.37	
			<i>For Polished Finish, Add</i>	266.75	
10 14 19 00-0175	EA		22" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	1,183.55	9.33
			<i>For Installation With Adhesive, Deduct</i>	-62.91	
			<i>For Oxidized Finish, Add</i>	171.94	
			<i>For Polished Finish, Add</i>	343.87	
10 14 19 00-0176	EA		24" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	1,513.89	9.81
			<i>For Installation With Adhesive, Deduct</i>	-79.62	
			<i>For Oxidized Finish, Add</i>	221.19	
			<i>For Polished Finish, Add</i>	442.39	
10 14 19 00-0177	EA		30" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs .....	2,301.20	11.78
			<i>For Installation With Adhesive, Deduct</i>	-119.77	
			<i>For Oxidized Finish, Add</i>	338.11	
			<i>For Polished Finish, Add</i>	676.22	
10 14 19 00-0178			<b>Satin Finish, Bronze Characters</b> <small>(10 14 19 00-0049)</small>		
10 14 19 00-0179			<b>1/4" Deep, Satin Finish, Bronze Characters</b> <small>(10 14 19 00-0178)</small>		
10 14 19 00-0180	EA		2" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	40.33	2.45
			<i>For Installation With Adhesive, Deduct</i>	-3.00	
			<i>For Oxidized Finish, Add</i>	4.58	
			<i>For Polished Or Patina Finish, Add</i>	9.16	
10 14 19 00-0181	EA		4" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	53.89	2.85
			<i>For Installation With Adhesive, Deduct</i>	-3.83	
			<i>For Oxidized Finish, Add</i>	6.38	
			<i>For Polished Or Patina Finish, Add</i>	12.75	
10 14 19 00-0182	EA		6" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	76.97	3.43
			<i>For Installation With Adhesive, Deduct</i>	-5.22	
			<i>For Oxidized Finish, Add</i>	9.48	
			<i>For Polished Or Patina Finish, Add</i>	18.97	
10 14 19 00-0183	EA		8" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	104.00	3.93
			<i>For Installation With Adhesive, Deduct</i>	-6.77	
			<i>For Oxidized Finish, Add</i>	13.24	
			<i>For Polished Or Patina Finish, Add</i>	26.49	
10 14 19 00-0184	EA		10" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	136.47	4.42
			<i>For Installation With Adhesive, Deduct</i>	-8.59	
			<i>For Oxidized Finish, Add</i>	17.82	
			<i>For Polished Or Patina Finish, Add</i>	35.64	
10 14 19 00-0185	EA		12" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	175.21	5.10
			<i>For Installation With Adhesive, Deduct</i>	-10.80	
			<i>For Oxidized Finish, Add</i>	23.22	
			<i>For Polished Or Patina Finish, Add</i>	46.44	
10 14 19 00-0186	EA		14" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	221.95	5.89
			<i>For Installation With Adhesive, Deduct</i>	-13.45	
			<i>For Oxidized Finish, Add</i>	29.76	
			<i>For Polished Or Patina Finish, Add</i>	59.52	
10 14 19 00-0187	EA		16" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	276.80	7.07
			<i>For Installation With Adhesive, Deduct</i>	-16.67	
			<i>For Oxidized Finish, Add</i>	37.28	
			<i>For Polished Or Patina Finish, Add</i>	74.56	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0188 EA 18" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	334.44	7.85
For Installation With Adhesive, Deduct	-19.86	
For Oxidized Finish, Add	45.45	
For Polished Or Patina Finish, Add	90.91	
10 14 19 00-0189 EA 20" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	399.41	8.83
For Installation With Adhesive, Deduct	-23.50	
For Oxidized Finish, Add	54.61	
For Polished Or Patina Finish, Add	109.22	
10 14 19 00-0190 EA 22" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	471.15	9.33
For Installation With Adhesive, Deduct	-27.29	
For Oxidized Finish, Add	65.08	
For Polished Or Patina Finish, Add	130.15	
10 14 19 00-0191 EA 24" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	550.49	9.81
For Installation With Adhesive, Deduct	-31.45	
For Oxidized Finish, Add	76.68	
For Polished Or Patina Finish, Add	153.37	
10 14 19 00-0192 EA 30" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	851.57	11.78
For Installation With Adhesive, Deduct	-47.29	
For Oxidized Finish, Add	120.67	
For Polished Or Patina Finish, Add	241.34	
<b>10 14 19 00-0193 3/8" Deep, Satin Finish, Bronze Characters (10 14 19 00-0178)</b>		
10 14 19 00-0194 EA 2" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	50.10	2.45
For Installation With Adhesive, Deduct	-3.49	
For Oxidized Finish, Add	6.04	
For Polished Or Patina Finish, Add	12.09	
10 14 19 00-0195 EA 4" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	67.07	2.85
For Installation With Adhesive, Deduct	-4.49	
For Oxidized Finish, Add	8.35	
For Polished Or Patina Finish, Add	16.71	
10 14 19 00-0196 EA 6" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	101.00	3.43
For Installation With Adhesive, Deduct	-6.43	
For Oxidized Finish, Add	13.09	
For Polished Or Patina Finish, Add	26.18	
10 14 19 00-0197 EA 8" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	136.67	3.93
For Installation With Adhesive, Deduct	-8.40	
For Oxidized Finish, Add	18.14	
For Polished Or Patina Finish, Add	36.29	
10 14 19 00-0198 EA 10" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	189.94	4.42
For Installation With Adhesive, Deduct	-11.26	
For Oxidized Finish, Add	25.84	
For Polished Or Patina Finish, Add	51.68	
10 14 19 00-0199 EA 12" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	243.31	5.10
For Installation With Adhesive, Deduct	-14.21	
For Oxidized Finish, Add	33.43	
For Polished Or Patina Finish, Add	66.87	
10 14 19 00-0200 EA 14" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	307.25	5.89
For Installation With Adhesive, Deduct	-17.72	
For Oxidized Finish, Add	42.55	
For Polished Or Patina Finish, Add	85.11	
10 14 19 00-0201 EA 16" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	381.18	7.07
For Installation With Adhesive, Deduct	-21.89	
For Oxidized Finish, Add	52.94	
For Polished Or Patina Finish, Add	105.87	
10 14 19 00-0202 EA 18" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	464.75	7.85
For Installation With Adhesive, Deduct	-26.38	
For Oxidized Finish, Add	65.00	
For Polished Or Patina Finish, Add	130.00	
10 14 19 00-0203 EA 20" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	555.97	8.83
For Installation With Adhesive, Deduct	-31.33	
For Oxidized Finish, Add	78.09	
For Polished Or Patina Finish, Add	156.19	
10 14 19 00-0204 EA 22" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	657.70	9.33
For Installation With Adhesive, Deduct	-36.62	
For Oxidized Finish, Add	93.06	
For Polished Or Patina Finish, Add	186.12	
10 14 19 00-0205 EA 24" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	749.87	9.81
For Installation With Adhesive, Deduct	-41.42	
For Oxidized Finish, Add	106.59	
For Polished Or Patina Finish, Add	213.18	
10 14 19 00-0206 EA 30" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	1,036.59	11.78
For Installation With Adhesive, Deduct	-56.54	
For Oxidized Finish, Add	148.42	
For Polished Or Patina Finish, Add	296.84	
<b>10 14 19 00-0207 1/2" Deep, Satin Finish, Bronze Characters (10 14 19 00-0178)</b>		
10 14 19 00-0208 EA 2" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs .....	52.23	2.45
For Installation With Adhesive, Deduct	-3.59	
For Oxidized Finish, Add	6.36	
For Polished Or Patina Finish, Add	12.73	



<b>Specialties</b>	<b>10</b>
<b>Information Specialties</b>	<b>10 10</b>
<b>Signage</b>	<b>10 14</b>

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0209	EA		4" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	82.37	2.85
			<i>For Installation With Adhesive, Deduct</i>	-5.26	
			<i>For Oxidized Finish, Add</i>	10.65	
			<i>For Polished Or Patina Finish, Add</i>	21.30	
10 14 19 00-0210	EA		6" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	120.60	3.43
			<i>For Installation With Adhesive, Deduct</i>	-7.41	
			<i>For Oxidized Finish, Add</i>	16.03	
			<i>For Polished Or Patina Finish, Add</i>	32.06	
10 14 19 00-0211	EA		8" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	170.22	3.93
			<i>For Installation With Adhesive, Deduct</i>	-10.08	
			<i>For Oxidized Finish, Add</i>	23.18	
			<i>For Polished Or Patina Finish, Add</i>	46.35	
10 14 19 00-0212	EA		10" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	237.47	4.42
			<i>For Installation With Adhesive, Deduct</i>	-13.64	
			<i>For Oxidized Finish, Add</i>	32.97	
			<i>For Polished Or Patina Finish, Add</i>	65.94	
10 14 19 00-0213	EA		12" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	328.44	5.10
			<i>For Installation With Adhesive, Deduct</i>	-18.46	
			<i>For Oxidized Finish, Add</i>	46.20	
			<i>For Polished Or Patina Finish, Add</i>	92.41	
10 14 19 00-0214	EA		14" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	430.25	5.89
			<i>For Installation With Adhesive, Deduct</i>	-23.87	
			<i>For Oxidized Finish, Add</i>	61.00	
			<i>For Polished Or Patina Finish, Add</i>	122.01	
10 14 19 00-0215	EA		16" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	540.24	7.07
			<i>For Installation With Adhesive, Deduct</i>	-29.84	
			<i>For Oxidized Finish, Add</i>	76.80	
			<i>For Polished Or Patina Finish, Add</i>	153.59	
10 14 19 00-0216	EA		18" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	667.78	7.85
			<i>For Installation With Adhesive, Deduct</i>	-36.53	
			<i>For Oxidized Finish, Add</i>	95.46	
			<i>For Polished Or Patina Finish, Add</i>	190.91	
10 14 19 00-0217	EA		20" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	803.54	8.83
			<i>For Installation With Adhesive, Deduct</i>	-43.71	
			<i>For Oxidized Finish, Add</i>	115.23	
			<i>For Polished Or Patina Finish, Add</i>	230.46	
10 14 19 00-0218	EA		22" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	957.04	9.33
			<i>For Installation With Adhesive, Deduct</i>	-51.58	
			<i>For Oxidized Finish, Add</i>	137.96	
			<i>For Polished Or Patina Finish, Add</i>	275.92	
10 14 19 00-0219	EA		24" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	1,117.95	9.81
			<i>For Installation With Adhesive, Deduct</i>	-59.82	
			<i>For Oxidized Finish, Add</i>	161.80	
			<i>For Polished Or Patina Finish, Add</i>	323.61	
10 14 19 00-0220	EA		30" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs.....	1,575.58	11.78
			<i>For Installation With Adhesive, Deduct</i>	-83.49	
			<i>For Oxidized Finish, Add</i>	229.27	
			<i>For Polished Or Patina Finish, Add</i>	458.54	
10 14 19 00-0221			<b>Satin Finish, Copper Characters</b> (10 14 19 00-0049)		
10 14 19 00-0222			<b>1/4" Deep, Satin Finish, Copper Characters</b> (10 14 19 00-0221)		
10 14 19 00-0223	EA		2" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	38.70	2.45
			<i>For Installation With Adhesive, Deduct</i>	-2.92	
			<i>For Polished Finish, Add</i>	8.67	
10 14 19 00-0224	EA		4" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	52.65	2.85
			<i>For Installation With Adhesive, Deduct</i>	-3.77	
			<i>For Polished Finish, Add</i>	12.38	
10 14 19 00-0225	EA		6" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	77.72	3.43
			<i>For Installation With Adhesive, Deduct</i>	-5.26	
			<i>For Polished Finish, Add</i>	19.19	
10 14 19 00-0226	EA		8" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	106.51	3.93
			<i>For Installation With Adhesive, Deduct</i>	-6.90	
			<i>For Polished Finish, Add</i>	27.24	
10 14 19 00-0227	EA		10" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	138.38	4.42
			<i>For Installation With Adhesive, Deduct</i>	-8.69	
			<i>For Polished Finish, Add</i>	36.22	
10 14 19 00-0228	EA		12" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	179.32	5.10
			<i>For Installation With Adhesive, Deduct</i>	-11.01	
			<i>For Polished Finish, Add</i>	47.67	
10 14 19 00-0229	EA		14" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	227.86	5.89
			<i>For Installation With Adhesive, Deduct</i>	-13.75	
			<i>For Polished Finish, Add</i>	61.29	
10 14 19 00-0230	EA		16" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	282.10	7.07
			<i>For Installation With Adhesive, Deduct</i>	-16.93	
			<i>For Polished Finish, Add</i>	76.15	
10 14 19 00-0231	EA		18" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	341.99	7.85
			<i>For Installation With Adhesive, Deduct</i>	-20.24	
			<i>For Polished Finish, Add</i>	93.17	
10 14 19 00-0232	EA		20" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	407.83	8.83
			<i>For Installation With Adhesive, Deduct</i>	-23.93	
			<i>For Polished Finish, Add</i>	111.75	
10 14 19 00-0233	EA		22" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	482.04	9.33
			<i>For Installation With Adhesive, Deduct</i>	-27.83	
			<i>For Polished Finish, Add</i>	133.42	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0234	EA		24" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	562.40	9.81
			<i>For Installation With Adhesive, Deduct</i>	-32.05	
			<i>For Polished Finish, Add</i>	156.94	
10 14 19 00-0235	EA		30" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	821.48	11.78
			<i>For Installation With Adhesive, Deduct</i>	-45.79	
			<i>For Polished Finish, Add</i>	232.31	
<b>10 14 19 00-0236</b>			<b>3/8" Deep, Satin Finish, Copper Characters</b> <small>(10 14 19 00-0221)</small>		
10 14 19 00-0237	EA		2" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	45.92	2.45
			<i>For Installation With Adhesive, Deduct</i>	-3.28	
			<i>For Polished Finish, Add</i>	10.83	
10 14 19 00-0238	EA		4" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	65.04	2.85
			<i>For Installation With Adhesive, Deduct</i>	-4.39	
			<i>For Polished Finish, Add</i>	16.10	
10 14 19 00-0239	EA		6" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	100.11	3.43
			<i>For Installation With Adhesive, Deduct</i>	-6.38	
			<i>For Polished Finish, Add</i>	25.91	
10 14 19 00-0240	EA		8" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	142.83	3.93
			<i>For Installation With Adhesive, Deduct</i>	-8.71	
			<i>For Polished Finish, Add</i>	38.14	
10 14 19 00-0241	EA		10" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	198.75	4.42
			<i>For Installation With Adhesive, Deduct</i>	-11.70	
			<i>For Polished Finish, Add</i>	54.33	
10 14 19 00-0242	EA		12" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	250.83	5.10
			<i>For Installation With Adhesive, Deduct</i>	-14.58	
			<i>For Polished Finish, Add</i>	69.12	
10 14 19 00-0243	EA		14" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	319.80	5.89
			<i>For Installation With Adhesive, Deduct</i>	-18.35	
			<i>For Polished Finish, Add</i>	88.87	
10 14 19 00-0244	EA		16" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	396.32	7.07
			<i>For Installation With Adhesive, Deduct</i>	-22.64	
			<i>For Polished Finish, Add</i>	110.42	
10 14 19 00-0245	EA		18" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	481.75	7.85
			<i>For Installation With Adhesive, Deduct</i>	-27.23	
			<i>For Polished Finish, Add</i>	135.10	
10 14 19 00-0246	EA		20" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	575.45	8.83
			<i>For Installation With Adhesive, Deduct</i>	-32.31	
			<i>For Polished Finish, Add</i>	162.03	
10 14 19 00-0247	EA		22" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	682.17	9.33
			<i>For Installation With Adhesive, Deduct</i>	-37.84	
			<i>For Polished Finish, Add</i>	193.46	
10 14 19 00-0248	EA		24" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	771.65	9.81
			<i>For Installation With Adhesive, Deduct</i>	-42.51	
			<i>For Polished Finish, Add</i>	219.72	
10 14 19 00-0249	EA		30" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs.....	1,092.51	11.78
			<i>For Installation With Adhesive, Deduct</i>	-59.34	
			<i>For Polished Finish, Add</i>	313.62	
<b>10 14 19 00-0250</b>			<b>Satin Finish, Stainless Steel Characters</b> <small>(10 14 19 00-0049)</small>		
<b>10 14 19 00-0251</b>			<b>1/4" Deep, Satin Finish, Stainless Steel Characters</b> <small>(10 14 19 00-0250)</small>		
10 14 19 00-0252	EA		2" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	34.85	2.45
			<i>For Installation With Adhesive, Deduct</i>	-2.72	
			<i>For Polished Finish, Add</i>	7.51	
10 14 19 00-0253	EA		4" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	47.68	2.85
			<i>For Installation With Adhesive, Deduct</i>	-3.52	
			<i>For Polished Finish, Add</i>	10.89	
10 14 19 00-0254	EA		6" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	62.57	3.43
			<i>For Installation With Adhesive, Deduct</i>	-4.50	
			<i>For Polished Finish, Add</i>	14.65	
10 14 19 00-0255	EA		8" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	83.31	3.93
			<i>For Installation With Adhesive, Deduct</i>	-5.74	
			<i>For Polished Finish, Add</i>	20.28	
10 14 19 00-0256	EA		10" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	104.04	4.42
			<i>For Installation With Adhesive, Deduct</i>	-6.97	
			<i>For Polished Finish, Add</i>	25.91	
10 14 19 00-0257	EA		12" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	129.33	5.10
			<i>For Installation With Adhesive, Deduct</i>	-8.51	
			<i>For Polished Finish, Add</i>	32.67	
10 14 19 00-0258	EA		14" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	156.26	5.89
			<i>For Installation With Adhesive, Deduct</i>	-10.17	
			<i>For Polished Finish, Add</i>	39.81	
10 14 19 00-0259	EA		16" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	187.26	7.07
			<i>For Installation With Adhesive, Deduct</i>	-12.19	
			<i>For Polished Finish, Add</i>	47.70	
10 14 19 00-0260	EA		18" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	220.44	7.85
			<i>For Installation With Adhesive, Deduct</i>	-14.16	
			<i>For Polished Finish, Add</i>	56.71	
10 14 19 00-0261	EA		20" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	259.42	8.83
			<i>For Installation With Adhesive, Deduct</i>	-16.51	
			<i>For Polished Finish, Add</i>	67.22	



<b>Specialties</b>	<b>10</b>
<b>Information Specialties</b>	<b>10 10</b>
<b>Signage</b>	<b>10 14</b>

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0262	EA		22" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	306.46	9.33
			<i>For Installation With Adhesive, Deduct</i>	-19.05	
			<i>For Polished Finish, Add</i>	80.75	
10 14 19 00-0263	EA		24" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	354.73	9.81
			<i>For Installation With Adhesive, Deduct</i>	-21.66	
			<i>For Polished Finish, Add</i>	94.64	
10 14 19 00-0264	EA		30" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	495.28	11.78
			<i>For Installation With Adhesive, Deduct</i>	-29.48	
			<i>For Polished Finish, Add</i>	134.45	
<b>10 14 19 00-0265</b>			<b>3/8" Deep, Satin Finish, Stainless Steel Characters</b> <small>(10 14 19 00-0250)</small>		
10 14 19 00-0266	EA		2" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	43.61	2.45
			<i>For Installation With Adhesive, Deduct</i>	-3.16	
			<i>For Polished Finish, Add</i>	10.14	
10 14 19 00-0267	EA		4" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	60.39	2.85
			<i>For Installation With Adhesive, Deduct</i>	-4.16	
			<i>For Polished Finish, Add</i>	14.70	
10 14 19 00-0268	EA		6" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	78.68	3.43
			<i>For Installation With Adhesive, Deduct</i>	-5.31	
			<i>For Polished Finish, Add</i>	19.48	
10 14 19 00-0269	EA		8" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	102.91	3.93
			<i>For Installation With Adhesive, Deduct</i>	-6.72	
			<i>For Polished Finish, Add</i>	26.16	
10 14 19 00-0270	EA		10" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	129.09	4.42
			<i>For Installation With Adhesive, Deduct</i>	-8.22	
			<i>For Polished Finish, Add</i>	33.43	
10 14 19 00-0271	EA		12" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	160.92	5.10
			<i>For Installation With Adhesive, Deduct</i>	-10.09	
			<i>For Polished Finish, Add</i>	42.15	
10 14 19 00-0272	EA		14" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	194.74	5.89
			<i>For Installation With Adhesive, Deduct</i>	-12.09	
			<i>For Polished Finish, Add</i>	51.35	
10 14 19 00-0273	EA		16" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	233.36	7.07
			<i>For Installation With Adhesive, Deduct</i>	-14.50	
			<i>For Polished Finish, Add</i>	61.53	
10 14 19 00-0274	EA		18" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	273.37	7.85
			<i>For Installation With Adhesive, Deduct</i>	-16.81	
			<i>For Polished Finish, Add</i>	72.59	
10 14 19 00-0275	EA		20" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	322.16	8.83
			<i>For Installation With Adhesive, Deduct</i>	-19.64	
			<i>For Polished Finish, Add</i>	86.05	
10 14 19 00-0276	EA		22" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	365.67	9.33
			<i>For Installation With Adhesive, Deduct</i>	-22.01	
			<i>For Polished Finish, Add</i>	98.51	
10 14 19 00-0277	EA		24" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	424.13	9.81
			<i>For Installation With Adhesive, Deduct</i>	-25.13	
			<i>For Polished Finish, Add</i>	115.46	
10 14 19 00-0278	EA		30" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	593.88	11.78
			<i>For Installation With Adhesive, Deduct</i>	-34.41	
			<i>For Polished Finish, Add</i>	164.03	
<b>10 14 19 00-0279</b>			<b>1/2" Deep, Satin Finish, Stainless Steel Characters</b> <small>(10 14 19 00-0250)</small>		
10 14 19 00-0280	EA		2" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	54.88	2.45
			<i>For Installation With Adhesive, Deduct</i>	-3.73	
			<i>For Polished Finish, Add</i>	13.52	
10 14 19 00-0281	EA		4" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	76.73	2.85
			<i>For Installation With Adhesive, Deduct</i>	-4.97	
			<i>For Polished Finish, Add</i>	19.61	
10 14 19 00-0282	EA		6" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	100.17	3.43
			<i>For Installation With Adhesive, Deduct</i>	-6.38	
			<i>For Polished Finish, Add</i>	25.93	
10 14 19 00-0283	EA		8" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	134.69	3.93
			<i>For Installation With Adhesive, Deduct</i>	-8.31	
			<i>For Polished Finish, Add</i>	35.69	
10 14 19 00-0284	EA		10" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	169.68	4.42
			<i>For Installation With Adhesive, Deduct</i>	-10.25	
			<i>For Polished Finish, Add</i>	45.61	
10 14 19 00-0285	EA		12" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	212.10	5.10
			<i>For Installation With Adhesive, Deduct</i>	-12.65	
			<i>For Polished Finish, Add</i>	57.50	
10 14 19 00-0286	EA		14" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	257.11	5.89
			<i>For Installation With Adhesive, Deduct</i>	-15.21	
			<i>For Polished Finish, Add</i>	70.07	
10 14 19 00-0287	EA		16" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	308.08	7.07
			<i>For Installation With Adhesive, Deduct</i>	-18.23	
			<i>For Polished Finish, Add</i>	83.94	
10 14 19 00-0288	EA		18" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	369.77	7.85
			<i>For Installation With Adhesive, Deduct</i>	-21.63	
			<i>For Polished Finish, Add</i>	101.51	
10 14 19 00-0289	EA		20" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	436.45	8.83
			<i>For Installation With Adhesive, Deduct</i>	-25.36	
			<i>For Polished Finish, Add</i>	120.33	

**10 Specialties****10 10 Information Specialties****10 14 Signage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0290	EA		22" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	492.17	9.33
			<i>For Installation With Adhesive, Deduct</i>	-28.34	
			<i>For Polished Finish, Add</i>	136.46	
10 14 19 00-0291	EA		24" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	572.40	9.81
			<i>For Installation With Adhesive, Deduct</i>	-32.55	
			<i>For Polished Finish, Add</i>	159.94	
10 14 19 00-0292	EA		30" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs.....	804.52	11.78
			<i>For Installation With Adhesive, Deduct</i>	-44.94	
			<i>For Polished Finish, Add</i>	227.22	
<b>10 14 23 Panel Signage (10 14)</b>					
<b>10 14 23 11 Panel Signage (10 14 23)</b>					
10 14 23 11-0001			<b>Indoor/Outdoor Signs (10 14 23 11)</b>		
			Note: Office number signs, conference room signs, restroom signs, stairway signs, fire extinguisher marker, ANSI/OSHA safety signs, entry/exit signs, etc.		
10 14 23 11-0002			<b>Surface Mount, Indoor/Outdoor Signs (10 14 23 11-0001)</b>		
10 14 23 11-0003			<b>Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Signs (10 14 23 11-0002)</b>		
			Note: Multi-color with words, symbols and graphics.		
10 14 23 11-0004	EA		Up To 25 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	13.75	4.87
			<i>For &gt;25 To 50, Deduct</i>	-0.40	
			<i>For &gt;50 To 100, Deduct</i>	-1.00	
			<i>For &gt;100, Deduct</i>	-1.20	
			<i>For Clear Glass Mount, Add</i>	3.21	
			<i>For Glow-In-Dark, Add</i>	8.02	
			<i>For Reflective Finish, Add</i>	9.02	
10 14 23 11-0005	EA		>25 To 50 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	16.61	4.87
			<i>For &gt;25 To 50, Deduct</i>	-0.69	
			<i>For &gt;50 To 100, Deduct</i>	-1.72	
			<i>For &gt;100, Deduct</i>	-2.06	
			<i>For Clear Glass Mount, Add</i>	5.50	
			<i>For Glow-In-Dark, Add</i>	13.74	
			<i>For Reflective Finish, Add</i>	15.46	
10 14 23 11-0006	EA		>50 To 100 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	21.19	4.87
			<i>For &gt;25 To 50, Deduct</i>	-1.15	
			<i>For &gt;50 To 100, Deduct</i>	-2.86	
			<i>For &gt;100, Deduct</i>	-3.44	
			<i>For Clear Glass Mount, Add</i>	9.16	
			<i>For Glow-In-Dark, Add</i>	22.90	
			<i>For Reflective Finish, Add</i>	25.76	
10 14 23 11-0007	EA		>100 To 250 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	26.92	4.87
			<i>For &gt;25 To 50, Deduct</i>	-1.72	
			<i>For &gt;50 To 100, Deduct</i>	-4.30	
			<i>For &gt;100, Deduct</i>	-5.15	
			<i>For Clear Glass Mount, Add</i>	13.74	
			<i>For Glow-In-Dark, Add</i>	34.36	
			<i>For Reflective Finish, Add</i>	38.66	
10 14 23 11-0008	EA		>250 To 500 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	37.23	4.87
			<i>For &gt;25 To 50, Deduct</i>	-2.75	
			<i>For &gt;50 To 100, Deduct</i>	-6.87	
			<i>For &gt;100, Deduct</i>	-8.25	
			<i>For Clear Glass Mount, Add</i>	21.99	
			<i>For Glow-In-Dark, Add</i>	54.98	
			<i>For Reflective Finish, Add</i>	61.85	
10 14 23 11-0009	EA		>500 To 750 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	55.56	4.87
			<i>For &gt;25 To 50, Deduct</i>	-4.58	
			<i>For &gt;50 To 100, Deduct</i>	-11.46	
			<i>For &gt;100, Deduct</i>	-13.75	
			<i>For Clear Glass Mount, Add</i>	36.66	
			<i>For Glow-In-Dark, Add</i>	91.64	
			<i>For Reflective Finish, Add</i>	103.10	
10 14 23 11-0010	EA		>750 To 1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	78.46	4.87
			<i>For &gt;25 To 50, Deduct</i>	-6.87	
			<i>For &gt;50 To 100, Deduct</i>	-17.18	
			<i>For &gt;100, Deduct</i>	-20.62	
			<i>For Clear Glass Mount, Add</i>	54.98	
			<i>For Glow-In-Dark, Add</i>	137.44	
			<i>For Reflective Finish, Add</i>	154.62	
10 14 23 11-0011	SI		>1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign.....	0.09	
			<i>For Clear Glass Mount, Add</i>	0.06	
			<i>For Glow-In-Dark, Add</i>	0.16	
			<i>For Reflective Finish, Add</i>	0.18	
10 14 23 11-0012			<b>Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Signs</b>		
			(10 14 23 11-0002)		
			Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.		
10 14 23 11-0013	EA		Up To 25 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign.....	14.89	4.87
			<i>For &gt;25 To 50, Deduct</i>	-0.52	
			<i>For &gt;50 To 100, Deduct</i>	-1.29	
			<i>For &gt;100, Deduct</i>	-1.55	
			<i>For Glow-In-Dark, Add</i>	10.30	
			<i>For Reflective Finish, Add</i>	11.07	



<b>Specialties</b>	<b>10</b>
<b>Information Specialties</b>	<b>10 10</b>
<b>Signage</b>	<b>10 14</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0014	EA	>25 To 50	SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	17.76	4.87
			<i>For &gt;25 To 50, Deduct</i>	-0.80	
			<i>For &gt;50 To 100, Deduct</i>	-2.01	
			<i>For &gt;100, Deduct</i>	-2.41	
			<i>For Glow-In-Dark, Add</i>	16.04	
			<i>For Reflective Finish, Add</i>	17.24	
10 14 23 11-0015	EA	>50 To 100	SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	23.48	4.87
			<i>For &gt;25 To 50, Deduct</i>	-1.37	
			<i>For &gt;50 To 100, Deduct</i>	-3.44	
			<i>For &gt;100, Deduct</i>	-4.12	
			<i>For Glow-In-Dark, Add</i>	27.48	
			<i>For Reflective Finish, Add</i>	29.54	
10 14 23 11-0016	EA	>100 To 250	SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	29.21	4.87
			<i>For &gt;25 To 50, Deduct</i>	-1.95	
			<i>For &gt;50 To 100, Deduct</i>	-4.87	
			<i>For &gt;100, Deduct</i>	-5.84	
			<i>For Glow-In-Dark, Add</i>	38.94	
			<i>For Reflective Finish, Add</i>	41.86	
10 14 23 11-0017	EA	>250 To 500	SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	37.80	4.87
			<i>For &gt;25 To 50, Deduct</i>	-2.81	
			<i>For &gt;50 To 100, Deduct</i>	-7.02	
			<i>For &gt;100, Deduct</i>	-8.42	
			<i>For Glow-In-Dark, Add</i>	56.12	
			<i>For Reflective Finish, Add</i>	60.33	
10 14 23 11-0018	EA	>500 To 750	SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	46.39	4.87
			<i>For &gt;25 To 50, Deduct</i>	-3.67	
			<i>For &gt;50 To 100, Deduct</i>	-9.16	
			<i>For &gt;100, Deduct</i>	-11.00	
			<i>For Glow-In-Dark, Add</i>	73.30	
			<i>For Reflective Finish, Add</i>	78.80	
10 14 23 11-0019	EA	>750 To 1,000	SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	55.56	4.87
			<i>For &gt;25 To 50, Deduct</i>	-4.58	
			<i>For &gt;50 To 100, Deduct</i>	-11.46	
			<i>For &gt;100, Deduct</i>	-13.75	
			<i>For Glow-In-Dark, Add</i>	91.64	
			<i>For Reflective Finish, Add</i>	98.51	
10 14 23 11-0020	SI	>1,000	SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	0.06	
			<i>For Glow-In-Dark, Add</i>	0.10	
			<i>For Reflective Finish, Add</i>	0.11	
<b>10 14 23 11-0021</b>			<b>Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille</b> <small>(10 14 23 11-0002)</small>		
			Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.		
10 14 23 11-0022	EA	Up To 25	SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	23.48	4.87
			<i>For &gt;25 To 50, Deduct</i>	-1.37	
			<i>For &gt;50 To 100, Deduct</i>	-3.44	
			<i>For &gt;100, Deduct</i>	-4.12	
			<i>For Molded Plastic Frame, Add</i>	15.00	
			<i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	23.00	
			<i>For 2" Height Slider Channel For Custom Inserts, Add</i>	35.00	
10 14 23 11-0023	EA	>25 To 50	SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	26.92	4.87
			<i>For &gt;25 To 50, Deduct</i>	-1.72	
			<i>For &gt;50 To 100, Deduct</i>	-4.30	
			<i>For &gt;100, Deduct</i>	-5.15	
			<i>For Molded Plastic Frame, Add</i>	17.00	
			<i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	28.00	
			<i>For 2" Height Slider Channel For Custom Inserts, Add</i>	35.00	
10 14 23 11-0024	EA	>50 To 75	SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	32.65	4.87
			<i>For &gt;25 To 50, Deduct</i>	-2.29	
			<i>For &gt;50 To 100, Deduct</i>	-5.73	
			<i>For &gt;100, Deduct</i>	-6.87	
			<i>For Molded Plastic Frame, Add</i>	19.00	
			<i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	31.00	
10 14 23 11-0025	EA	>75 To 100	SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	38.03	4.87
			<i>For &gt;25 To 50, Deduct</i>	-2.83	
			<i>For &gt;50 To 100, Deduct</i>	-7.07	
			<i>For &gt;100, Deduct</i>	-8.49	
			<i>For Molded Plastic Frame, Add</i>	21.00	
			<i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	35.00	
10 14 23 11-0026	SI	>100	SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	0.42	0.05
			<i>For Molded Plastic Frame, Add</i>	0.20	
			<i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	0.31	
<b>10 14 23 11-0027</b>			<b>Engraved Steel, Surface Mount, Indoor/Outdoor Signs</b> <small>(10 14 23 11-0002)</small>		
			Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.		
10 14 23 11-0028	EA	Up To 25	SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	31.50	4.87
			<i>For &gt;25 To 50, Deduct</i>	-2.18	
			<i>For &gt;50 To 100, Deduct</i>	-5.44	
			<i>For &gt;100, Deduct</i>	-6.53	
			<i>For Molded Plastic Frame, Add</i>	15.00	
10 14 23 11-0029	EA	>25 To 50	SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	38.38	4.87
			<i>For &gt;25 To 50, Deduct</i>	-2.86	
			<i>For &gt;50 To 100, Deduct</i>	-7.16	
			<i>For &gt;100, Deduct</i>	-8.59	
			<i>For Molded Plastic Frame, Add</i>	17.00	

**10 Specialties**  
**10 10 Information Specialties**  
**10 14 Signage**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0030	EA		>50 To 75 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign .....	47.54	4.87
			<i>For &gt;25 To 50, Deduct</i>	-3.78	
			<i>For &gt;50 To 100, Deduct</i>	-9.45	
			<i>For &gt;100, Deduct</i>	-11.34	
			<i>For Molded Plastic Frame, Add</i>	19.00	
10 14 23 11-0031	EA		>75 To 100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign .....	65.86	4.87
			<i>For &gt;25 To 50, Deduct</i>	-5.61	
			<i>For &gt;50 To 100, Deduct</i>	-14.03	
			<i>For &gt;100, Deduct</i>	-16.84	
			<i>For Molded Plastic Frame, Add</i>	21.00	
10 14 23 11-0032	SI		>100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign.....	0.66	0.05
			<i>For Molded Plastic Frame, Add</i>	0.20	
<b>10 14 23 11-0033</b>			<b>Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Signs</b> <small>(10 14 23 11-0002)</small>		
			Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.		
10 14 23 11-0034	EA		Up To 25 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign.....	14.32	4.87
			<i>For &gt;25 To 50, Deduct</i>	-0.46	
			<i>For &gt;50 To 100, Deduct</i>	-1.15	
			<i>For &gt;100, Deduct</i>	-1.37	
			<i>For Glow-In-Dark, Add</i>	2.75	
			<i>For Reflective Finish, Add</i>	3.44	
10 14 23 11-0035	EA		>25 To 50 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign .....	17.76	4.87
			<i>For &gt;25 To 50, Deduct</i>	-0.80	
			<i>For &gt;50 To 100, Deduct</i>	-2.01	
			<i>For &gt;100, Deduct</i>	-2.41	
			<i>For Glow-In-Dark, Add</i>	4.81	
			<i>For Reflective Finish, Add</i>	6.02	
10 14 23 11-0036	EA		>50 To 100 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign .....	24.63	4.87
			<i>For &gt;25 To 50, Deduct</i>	-1.49	
			<i>For &gt;50 To 100, Deduct</i>	-3.72	
			<i>For &gt;100, Deduct</i>	-4.47	
			<i>For Glow-In-Dark, Add</i>	8.93	
			<i>For Reflective Finish, Add</i>	11.17	
10 14 23 11-0037	EA		>100 To 250 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign .....	32.65	4.87
			<i>For &gt;25 To 50, Deduct</i>	-2.29	
			<i>For &gt;50 To 100, Deduct</i>	-5.73	
			<i>For &gt;100, Deduct</i>	-6.87	
			<i>For Glow-In-Dark, Add</i>	13.75	
			<i>For Reflective Finish, Add</i>	17.18	
10 14 23 11-0038	EA		>250 To 500 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign .....	56.70	4.87
			<i>For &gt;25 To 50, Deduct</i>	-4.70	
			<i>For &gt;50 To 100, Deduct</i>	-11.74	
			<i>For &gt;100, Deduct</i>	-14.09	
			<i>For Glow-In-Dark, Add</i>	28.18	
			<i>For Reflective Finish, Add</i>	35.22	
10 14 23 11-0039	EA		>500 To 750 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign .....	67.01	4.87
			<i>For &gt;25 To 50, Deduct</i>	-5.73	
			<i>For &gt;50 To 100, Deduct</i>	-14.32	
			<i>For &gt;100, Deduct</i>	-17.18	
			<i>For Glow-In-Dark, Add</i>	34.36	
			<i>For Reflective Finish, Add</i>	42.95	
10 14 23 11-0040	EA		>750 To 1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign .....	80.75	4.87
			<i>For &gt;25 To 50, Deduct</i>	-7.10	
			<i>For &gt;50 To 100, Deduct</i>	-17.75	
			<i>For &gt;100, Deduct</i>	-21.30	
			<i>For Glow-In-Dark, Add</i>	42.61	
			<i>For Reflective Finish, Add</i>	53.26	
10 14 23 11-0041	SI		>1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign.....	0.09	
			<i>For Glow-In-Dark, Add</i>	0.05	
			<i>For Reflective Finish, Add</i>	0.06	
<b>10 14 23 11-0042</b>			<b>Ceiling Mount, Indoor/Outdoor Signs</b> <small>(10 14 23 11-0001)</small>		
<b>10 14 23 11-0043</b>			<b>Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Signs</b> <small>(10 14 23 11-0042)</small>		
10 14 23 11-0044	EA		Up To 25 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign.....	19.93	6.82
			<i>For &gt;25 To 50, Deduct</i>	-0.63	
			<i>For &gt;50 To 100, Deduct</i>	-1.58	
			<i>For &gt;100, Deduct</i>	-1.89	
			<i>For Glow-In-Dark, Add</i>	3.78	
			<i>For Reflective Finish, Add</i>	4.73	
10 14 23 11-0045	EA		>25 To 50 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign.....	25.08	6.82
			<i>For &gt;25 To 50, Deduct</i>	-1.15	
			<i>For &gt;50 To 100, Deduct</i>	-2.86	
			<i>For &gt;100, Deduct</i>	-3.44	
			<i>For Glow-In-Dark, Add</i>	6.87	
			<i>For Reflective Finish, Add</i>	8.59	
10 14 23 11-0046	EA		>50 To 100 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign.....	31.96	6.82
			<i>For &gt;25 To 50, Deduct</i>	-1.83	
			<i>For &gt;50 To 100, Deduct</i>	-4.58	
			<i>For &gt;100, Deduct</i>	-5.50	
			<i>For Glow-In-Dark, Add</i>	11.00	
			<i>For Reflective Finish, Add</i>	13.75	



<b>Specialties</b>	<b>10</b>	<b>10</b>
Information Specialties	10 10	
Signage	10 14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0047	EA		>100 To 150 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign.....	42.27	6.82
			<i>For &gt;25 To 50, Deduct</i>	-2.86	
			<i>For &gt;50 To 100, Deduct</i>	-7.16	
			<i>For &gt;100, Deduct</i>	-8.59	
			<i>For Glow-In-Dark, Add</i>	17.18	
			<i>For Reflective Finish, Add</i>	21.48	
10 14 23 11-0048			90 Degree, Projection Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0001)</small>		
10 14 23 11-0049			Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0048)</small>		
10 14 23 11-0050	EA		Up To 25 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign .....	20.50	6.82
			<i>For &gt;25 To 50, Deduct</i>	-0.69	
			<i>For &gt;50 To 100, Deduct</i>	-1.72	
			<i>For &gt;100, Deduct</i>	-2.06	
			<i>For Glow-In-Dark, Add</i>	4.12	
			<i>For Reflective Finish, Add</i>	5.15	
10 14 23 11-0051	EA		>25 To 50 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign .....	26.23	6.82
			<i>For &gt;25 To 50, Deduct</i>	-1.26	
			<i>For &gt;50 To 100, Deduct</i>	-3.15	
			<i>For &gt;100, Deduct</i>	-3.78	
			<i>For Glow-In-Dark, Add</i>	7.56	
			<i>For Reflective Finish, Add</i>	9.45	
10 14 23 11-0052	EA		>50 To 100 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign .....	38.83	6.82
			<i>For &gt;25 To 50, Deduct</i>	-2.52	
			<i>For &gt;50 To 100, Deduct</i>	-6.30	
			<i>For &gt;100, Deduct</i>	-7.56	
			<i>For Glow-In-Dark, Add</i>	15.12	
			<i>For Reflective Finish, Add</i>	18.90	
10 14 23 11-0053	EA		>100 To 150 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign .....	43.41	6.82
			<i>For &gt;25 To 50, Deduct</i>	-2.98	
			<i>For &gt;50 To 100, Deduct</i>	-7.45	
			<i>For &gt;100, Deduct</i>	-8.93	
			<i>For Glow-In-Dark, Add</i>	17.87	
			<i>For Reflective Finish, Add</i>	22.34	
10 14 23 11-0054			Triangle, Projection Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0001)</small>		
10 14 23 11-0055			Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0054)</small>		
10 14 23 11-0056	EA		Up To 25 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign .....	22.22	6.82
			<i>For &gt;25 To 50, Deduct</i>	-0.86	
			<i>For &gt;50 To 100, Deduct</i>	-2.15	
			<i>For &gt;100, Deduct</i>	-2.58	
			<i>For Glow-In-Dark, Add</i>	5.15	
			<i>For Reflective Finish, Add</i>	6.44	
10 14 23 11-0057	EA		>25 To 50 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign .....	30.81	6.82
			<i>For &gt;25 To 50, Deduct</i>	-1.72	
			<i>For &gt;50 To 100, Deduct</i>	-4.30	
			<i>For &gt;100, Deduct</i>	-5.15	
			<i>For Glow-In-Dark, Add</i>	10.31	
			<i>For Reflective Finish, Add</i>	12.89	
10 14 23 11-0058	EA		>50 To 100 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign .....	34.25	6.82
			<i>For &gt;25 To 50, Deduct</i>	-2.06	
			<i>For &gt;50 To 100, Deduct</i>	-5.16	
			<i>For &gt;100, Deduct</i>	-6.19	
			<i>For Glow-In-Dark, Add</i>	12.37	
			<i>For Reflective Finish, Add</i>	15.47	
10 14 23 11-0059	EA		>100 To 150 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign .....	38.83	6.82
			<i>For &gt;25 To 50, Deduct</i>	-2.52	
			<i>For &gt;50 To 100, Deduct</i>	-6.30	
			<i>For &gt;100, Deduct</i>	-7.56	
			<i>For Glow-In-Dark, Add</i>	15.12	
			<i>For Reflective Finish, Add</i>	18.90	
10 14 23 11-0060			Adhesive Backed Vinyl Characters <small>(10 14 23 11)</small>		
			Note: Includes capital or lower case letters in any font or color. Includes numbers, symbols, punctuation marks, etc. Includes adhesive.		
10 14 23 11-0061	EA		1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character .....	1.65	0.39
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.31	
10 14 23 11-0062	EA		3/4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character .....	1.73	0.45
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.33	
10 14 23 11-0063	EA		1" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character .....	1.81	0.50
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.35	
10 14 23 11-0064	EA		1-1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character .....	2.33	0.58
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.43	
10 14 23 11-0065	EA		2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character .....	2.44	0.68
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.46	
10 14 23 11-0066	EA		3" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character .....	3.53	0.78
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.68	
10 14 23 11-0067	EA		4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character .....	3.87	0.87
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	0.76	





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0068	EA		6" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character .....	5.29	0.98
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	1.07	
10 14 23 11-0069	EA		8" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character .....	6.64	1.08
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	1.41	
10 14 23 11-0070	EA		10" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character .....	8.61	1.17
			<i>For Pressure Sensitive Vinyl Letters, Custom Cut, Add</i>	1.85	
<b>10 14 23 11-0071</b>			<b>Standoffs For Wall Signage</b> <small>(10 14 23 11)</small>		
			Note: Excludes signage		
10 14 23 11-0072	EA		1/2" Diameter x 1/2" Long, Stainless Steel Standoff .....	5.56	1.96
10 14 23 11-0073	EA		1/2" Diameter x 3/4" Long, Stainless Steel Standoff .....	5.78	1.96
10 14 23 11-0074	EA		1/2" Diameter x 1" Long, Stainless Steel Standoff .....	5.83	1.96
10 14 23 11-0075	EA		5/8" Diameter x 1/2" Long, Stainless Steel Standoff .....	6.12	1.96
10 14 23 11-0076	EA		5/8" Diameter x 3/4" Long, Stainless Steel Standoff .....	6.33	1.96
10 14 23 11-0077	EA		5/8" Diameter x 1" Long, Stainless Steel Standoff .....	6.76	1.96
10 14 23 11-0078	EA		3/4" Diameter x 3/4" Long, Stainless Steel Standoff .....	6.64	2.36
10 14 23 11-0079	EA		3/4" Diameter x 1" Long, Stainless Steel Standoff .....	7.22	2.36
10 14 23 11-0080	EA		3/4" Diameter x 1-1/2" Long, Stainless Steel Standoff .....	7.69	2.36
10 14 23 11-0081	EA		1" Diameter x 3/4" Long, Stainless Steel Standoff .....	8.08	2.36
10 14 23 11-0082	EA		1" Diameter x 1" Long, Stainless Steel Standoff .....	8.77	2.36
10 14 23 11-0083	EA		1" Diameter x 1-1/2" Long, Stainless Steel Standoff .....	9.61	2.36
10 14 23 11-0084	EA		5/8" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff .....	6.28	1.96
10 14 23 11-0085	EA		5/8" Diameter x 1" Long, Clear Anodized Aluminum Standoff .....	6.44	1.96
10 14 23 11-0086	EA		3/4" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff .....	7.11	2.36
10 14 23 11-0087	EA		3/4" Diameter x 1" Long, Clear Anodized Aluminum Standoff .....	7.27	2.36
10 14 23 11-0088	EA		1" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff .....	7.87	2.36
10 14 23 11-0089	EA		1" Diameter x 1" Long, Clear Anodized Aluminum Standoff .....	7.98	2.36
<b>10 14 23 11-0090</b>			<b>Removal And Reinstallation Of Building Signage</b> <small>(10 14 23 11)</small>		
			Note: Includes storage and cleaning.		
10 14 23 11-0091	EA		Removal And Reinstallation Of Building Signage, Exterior Up To 4 SF .....	68.77	
10 14 23 11-0092	EA		Removal And Reinstallation Of Building Signage, Exterior >4 To 12 SF .....	79.41	
10 14 23 11-0093	EA		Removal And Reinstallation Of Building Signage, >12 To 20 SF .....	89.24	
10 14 23 11-0094	EA		Removal And Reinstallation Of Interior Door And Office Signage, Up To 4SF .....	29.22	
<b>10 14 23 11-0095</b>			<b>Building Sign</b> <small>(10 14 23 11)</small>		
			Note: Includes 4" numbers painted on. Installed on building.		
10 14 23 11-0096	EA		6" x 18" Metal Building Sign With Numbers .....	69.24	11.69
10 14 23 11-0097	SF		Double Sided, Molding On Two Sides, For Mounting On Aluminum Posts .....	24.96	2.75
10 14 23 11-0098	SF		Single Sided, Molding On One Side, For Mounting On Structure Up To 20' .....	18.00	2.55
10 14 23 11-0099	EA		Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 6' High, 3' Deep .....	15.28	2.16
10 14 23 11-0100	EA		Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 8' High, 3' Deep .....	17.92	2.36
10 14 23 11-0101	EA		Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 10' High, 3' Deep .....	19.73	2.55
10 14 23 11-0102	EA		Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 15' High, 4' Deep .....	23.77	2.75
<b>10 14 29</b>			<b>Wall Or Ground Mounted Signage</b> <small>(10 14)</small>		
			Note: Includes fabrication, delivery, installation, bolts and fasteners and drilling.		
<b>10 14 29 00-0001</b>			<b>Illuminated Signage</b> <small>(10 14 29)</small>		
<b>10 14 29 00-0002</b>			<b>Removal Of Sign Cabinets</b> <small>(10 14 29 00-0001)</small>		
10 14 29 00-0003	EA		Removal Of Sign Cabinet, 1 To 4.9 SF .....	152.59	
10 14 29 00-0004	EA		Removal Of Sign Cabinet, 5 To 9.9 SF .....	183.12	
10 14 29 00-0005	EA		Removal Of Sign Cabinet, 10 To 19.9 SF .....	244.14	
10 14 29 00-0006	EA		Removal Of Sign Cabinet, 20 To 29.9 SF .....	366.23	
10 14 29 00-0007	EA		Removal Of Sign Cabinet, >30 SF .....	488.28	
<b>10 14 29 00-0008</b>			<b>Fabricate And Install New Sign Cabinets</b> <small>(10 14 29 00-0001)</small>		
10 14 29 00-0009	SF		1 To 4.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted .....	158.21	
			<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-7.91	
			<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-11.87	
			<i>For &gt;20 Per Each Sign, Deduct</i>	-15.82	
10 14 29 00-0010	SF		5 To 9.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted .....	129.53	
			<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-6.48	
			<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-9.71	
			<i>For &gt;20 Per Each Sign, Deduct</i>	-12.95	
10 14 29 00-0011	SF		10 To 19.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted .....	105.68	
			<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-5.28	
			<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-7.93	
			<i>For &gt;20 Per Each Sign, Deduct</i>	-10.57	
10 14 29 00-0012	SF		20 To 29.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted .....	95.41	
			<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-4.77	
			<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-7.16	
			<i>For &gt;20 Per Each Sign, Deduct</i>	-9.54	
10 14 29 00-0013	SF		=>30 SF, Illuminated Sign Cabinet, Wall/Ground Mounted .....	86.96	
			<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-4.35	
			<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-6.52	
			<i>For &gt;20 Per Each Sign, Deduct</i>	-8.70	



<b>Specialties</b>	<b>10</b>	<b>10</b>
Information Specialties	10 10	
Signage	10 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>10 14 29 00-0014</b>	<b>Fabricate And Install New Sign Face, Material And Legend</b> <small>(10 14 29 00-0001)</small>	
10 14 29 00-0015	SF 1 To 4.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend.....	42.58
	<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-2.13
	<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-3.19
	<i>For &gt;20 Per Each Sign, Deduct</i>	-4.26
10 14 29 00-0016	SF 5 To 9.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend.....	34.12
	<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-1.71
	<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-2.56
	<i>For &gt;20 Per Each Sign, Deduct</i>	-3.41
10 14 29 00-0017	SF 10 To 19.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend.....	27.18
	<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-1.36
	<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-2.04
	<i>For &gt;20 Per Each Sign, Deduct</i>	-2.72
10 14 29 00-0018	SF 20 To 29.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend.....	22.04
	<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-1.10
	<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-1.65
	<i>For &gt;20 Per Each Sign, Deduct</i>	-2.20
10 14 29 00-0019	SF =>30 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend.....	17.63
	<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-0.88
	<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-1.32
	<i>For &gt;20 Per Each Sign, Deduct</i>	-1.76

<b>10 14 29 00-0020</b>	<b>Posts</b> <small>(10 14 29)</small>	
	Note: Includes mounting bolts and installation for sign blades to posts.	
10 14 29 00-0021	LF 2" Square Galvanized Steel Post.....	11.57
	<i>For Powder Coating, Add</i>	0.63
10 14 29 00-0022	LF 2-3/8" Diameter Galvanized Steel Post.....	11.11
	<i>For Powder Coating, Add</i>	0.60
10 14 29 00-0023	LF 2" Diameter TREX Post.....	4.75
10 14 29 00-0024	EA Mounting On Ground With Base.....	29.66
	Note: Includes bolts and drilling for bolts.	
10 14 29 00-0025	EA Mid Post Mounted Rotating Sign With Graphics.....	158.57
	<i>For &gt;5 To 11, Deduct</i>	-7.93
	<i>For &gt;11 To 20, Deduct</i>	-11.89
	<i>For &gt;20, Deduct</i>	-15.86

**10 14 31 Overhead And Ceiling Hung Signage** (10 14)  
 Note: Includes fabrication, delivery, installation, bolts and fasteners and drilling.

<b>10 14 31 00-0001</b>	<b>Illuminated Signage</b> <small>(10 14 31)</small>	
<b>10 14 31 00-0002</b>	<b>Removal Of Sign Cabinets</b> <small>(10 14 31 00-0001)</small>	
10 14 31 00-0003	EA Removal Of Sign Cabinet, 1 To 4.9 SF.....	167.86
10 14 31 00-0004	EA Removal Of Sign Cabinet, 5 To 9.9 SF.....	201.43
10 14 31 00-0005	EA Removal Of Sign Cabinet, 10 To 19.9 SF.....	268.57
10 14 31 00-0006	EA Removal Of Sign Cabinet, 20 To 29.9 SF.....	402.86
10 14 31 00-0007	EA Removal Of Sign Cabinet, >30 SF.....	537.05

<b>10 14 31 00-0008</b>	<b>Fabricate And Install New Sign Cabinets</b> <small>(10 14 31 00-0001)</small>	
10 14 31 00-0009	SF 1 To 4.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung.....	175.28
	<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-8.76
	<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-13.15
	<i>For &gt;20 Per Each Sign, Deduct</i>	-17.53
10 14 31 00-0010	SF 5 To 9.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung.....	143.48
	<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-7.17
	<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-10.76
	<i>For &gt;20 Per Each Sign, Deduct</i>	-14.35
10 14 31 00-0011	SF 10 To 19.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung.....	117.06
	<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-5.85
	<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-8.78
	<i>For &gt;20 Per Each Sign, Deduct</i>	-11.71
10 14 31 00-0012	SF 20 To 29.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung.....	105.70
	<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-5.29
	<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-7.93
	<i>For &gt;20 Per Each Sign, Deduct</i>	-10.57
10 14 31 00-0013	SF =>30 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung.....	96.32
	<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-4.82
	<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-7.22
	<i>For &gt;20 Per Each Sign, Deduct</i>	-9.63

<b>10 14 31 00-0014</b>	<b>Fabricate And Install New Sign Face, Material And Legend</b> <small>(10 14 31 00-0001)</small>	
10 14 31 00-0015	SF 1 To 4.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend.....	16.71
	<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-0.84
	<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-1.25
	<i>For &gt;20 Per Each Sign, Deduct</i>	-1.67



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 31 00-0016	SF		5 To 9.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend.....	13.37	
			<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-0.67	
			<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-1.00	
			<i>For &gt;20 Per Each Sign, Deduct</i>	-1.34	
10 14 31 00-0017	SF		10 To 19.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend.....	11.14	
			<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-0.56	
			<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-0.84	
			<i>For &gt;20 Per Each Sign, Deduct</i>	-1.11	
10 14 31 00-0018	SF		20 To 29.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend.....	9.62	
			<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-0.48	
			<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-0.72	
			<i>For &gt;20 Per Each Sign, Deduct</i>	-0.96	
10 14 31 00-0019	SF		=>30 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend.....	8.51	
			<i>For &gt;5 To 11 Per Each Sign, Deduct</i>	-0.43	
			<i>For &gt;11 To 20 Per Each Sign, Deduct</i>	-0.64	
			<i>For &gt;20 Per Each Sign, Deduct</i>	-0.85	
<b>10 14 43 Photoluminescent Signage (10 14)</b>					
<b>10 14 43 00-0001 Photoluminescent Illuminated Signage (10 14 43)</b>					
10 14 43 00-0002	EA		4-1/2" x 8" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount .....	31.01	4.87
			<i>For &gt;25 To 50, Deduct</i>	-2.13	
			<i>For &gt;50 To 100, Deduct</i>	-5.32	
			<i>For &gt;100, Deduct</i>	-6.38	
10 14 43 00-0003	EA		4-1/2" x 13" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount .....	34.47	4.87
			<i>For &gt;25 To 50, Deduct</i>	-2.47	
			<i>For &gt;50 To 100, Deduct</i>	-6.18	
			<i>For &gt;100, Deduct</i>	-7.42	
10 14 43 00-0004	EA		8" x 10" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount.....	39.22	4.87
			<i>For &gt;25 To 50, Deduct</i>	-2.95	
			<i>For &gt;50 To 100, Deduct</i>	-7.37	
			<i>For &gt;100, Deduct</i>	-8.84	
<b>10 14 53 Traffic Signage (10 14)</b>					
<b>10 14 53 11 Traffic Signage (10 14 53)</b>					
<b>10 14 53 11-0001 Traffic Signs (10 14 53 11)</b>					
<b>10 14 53 11-0002 Reflectorized Stop Signs And Other Traffic Signs (10 14 53 11-0001)</b>					
Note: Excludes posts.					
<b>10 14 53 11-0003 Aluminum Engineer Grade Stop Signs (10 14 53 11-0002)</b>					
10 14 53 11-0004	EA		18" x 18" Aluminum Engineer Grade Stop Sign.....	38.99	8.77
			<i>For Hi-Intensity Grade, Add</i>	6.44	
			<i>For Diamond Grade, Add</i>	12.23	
10 14 53 11-0005	EA		18" x 24" Aluminum Engineer Grade Stop Sign.....	46.56	9.27
			<i>For Hi-Intensity Grade, Add</i>	8.42	
			<i>For Diamond Grade, Add</i>	15.99	
10 14 53 11-0006	EA		24" x 24" Aluminum Engineer Grade Stop Sign.....	50.83	9.74
			<i>For Hi-Intensity Grade, Add</i>	12.85	
			<i>For Diamond Grade, Add</i>	20.38	
10 14 53 11-0007	EA		30" x 30" Aluminum Engineer Grade Stop Sign.....	60.60	10.25
			<i>For Hi-Intensity Grade, Add</i>	4.82	
			<i>For Diamond Grade, Add</i>	26.10	
10 14 53 11-0008	EA		36" x 36" Aluminum Engineer Grade Stop Sign.....	85.78	10.72
			<i>For Hi-Intensity Grade, Add</i>	14.16	
			<i>For Diamond Grade, Add</i>	44.40	
<b>10 14 53 11-0009 Other Reflectorized Traffic Signs (10 14 53 11-0002)</b>					
Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.					
<b>10 14 53 11-0010 Aluminum Engineer Grade Traffic Signs (10 14 53 11-0009)</b>					
10 14 53 11-0011	EA		6" x 12" Aluminum Engineer Grade Traffic Sign .....	20.90	7.79
			<i>For Hi-Intensity Grade, Add</i>	1.59	
10 14 53 11-0012	EA		6" x 18" Aluminum Engineer Grade Traffic Sign .....	23.56	7.79
			<i>For Hi-Intensity Grade, Add</i>	2.39	
10 14 53 11-0013	EA		9" x 12" Aluminum Engineer Grade Traffic Sign .....	23.56	7.79
			<i>For Hi-Intensity Grade, Add</i>	2.39	
10 14 53 11-0014	EA		9" x 15" Aluminum Engineer Grade Traffic Sign .....	25.55	7.79
			<i>For Hi-Intensity Grade, Add</i>	2.99	
10 14 53 11-0015	EA		9" x 18" Aluminum Engineer Grade Traffic Sign .....	27.55	7.79
			<i>For Hi-Intensity Grade, Add</i>	3.59	
10 14 53 11-0016	EA		9" x 24" Aluminum Engineer Grade Traffic Sign .....	32.50	8.28
			<i>For Hi-Intensity Grade, Add</i>	4.78	
10 14 53 11-0017	EA		9" x 48" Aluminum Engineer Grade Traffic Sign .....	48.44	8.28
			<i>For Hi-Intensity Grade, Add</i>	9.56	
10 14 53 11-0018	EA		12" x 12" Aluminum Engineer Grade Traffic Sign .....	26.22	7.79
			<i>For Hi-Intensity Grade, Add</i>	3.19	
10 14 53 11-0019	EA		12" x 18" Aluminum Engineer Grade Traffic Sign .....	32.50	8.28
			<i>For Hi-Intensity Grade, Add</i>	4.78	



<b>Specialties</b>	<b>10</b>
<b>Information Specialties</b>	<b>10 10</b>
<b>Signage</b>	<b>10 14</b>

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0020	EA		12" x 24" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	37.81 6.38	8.28
10 14 53 11-0021	EA		12" x 30" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	43.13 7.97	8.28
10 14 53 11-0022	EA		12" x 36" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	48.44 9.56	8.28
10 14 53 11-0023	EA		18" x 18" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	40.47 7.17	8.28
10 14 53 11-0024	EA		18" x 24" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	48.44 9.56	8.28
10 14 53 11-0025	EA		18" x 30" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	57.39 11.96	8.77
10 14 53 11-0026	EA		18" x 36" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	65.36 14.35	8.77
10 14 53 11-0027	EA		18" x 48" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	85.19 19.13	10.72
10 14 53 11-0028	EA		18" x 54" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	93.16 21.52	10.72
10 14 53 11-0029	EA		24" x 24" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	60.05 12.75	8.77
10 14 53 11-0030	EA		24" x 30" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	70.68 15.94	8.77
10 14 53 11-0031	EA		24" x 36" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	81.30 19.13	8.77
10 14 53 11-0032	EA		24" x 42" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	95.82 22.32	10.72
10 14 53 11-0033	EA		24" x 48" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	106.45 25.51	10.72
10 14 53 11-0034	EA		24" x 54" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	117.07 28.69	10.72
10 14 53 11-0035	EA		24" x 60" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	127.70 31.88	10.72
10 14 53 11-0036	EA		30" x 30" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	83.96 19.93	8.77
10 14 53 11-0037	EA		30" x 36" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	101.13 23.91	10.72
10 14 53 11-0038	EA		30" x 42" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	114.42 27.90	10.72
10 14 53 11-0039	EA		30" x 48" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	131.60 31.88	12.66
10 14 53 11-0040	EA		30" x 60" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	162.06 39.85	14.61
10 14 53 11-0041	EA		36" x 36" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	117.07 28.69	10.72
10 14 53 11-0042	EA		36" x 42" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	136.92 33.48	12.66
10 14 53 11-0043	EA		36" x 48" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	156.75 38.26	14.61
10 14 53 11-0044	EA		36" x 54" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	172.69 43.04	14.61
10 14 53 11-0045	EA		36" x 60" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	192.54 47.82	16.56
10 14 53 11-0046	EA		36" x 73" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	230.97 58.19	18.51
10 14 53 11-0047	EA		36" x 78" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	244.25 62.17	18.51
10 14 53 11-0048	EA		36" x 108" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	329.79 86.08	21.43
10 14 53 11-0049	EA		42" x 42" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	159.40 39.05	14.61
10 14 53 11-0050	EA		48" x 48" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	203.17 51.01	16.56
10 14 53 11-0051	EA		48" x 54" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	228.31 57.39	18.51
10 14 53 11-0052	EA		48" x 60" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	249.56 63.76	18.51
10 14 53 11-0053	EA		48" x 66" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	276.66 70.14	21.43
10 14 53 11-0054	EA		48" x 72" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	297.91 76.52	21.43
10 14 53 11-0055	EA		48" x 84" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	344.32 89.27	23.38
10 14 53 11-0056	EA		48" x 96" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	386.83 102.02	23.38
10 14 53 11-0057	EA		48" x 102" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	408.08 108.40	23.38
10 14 53 11-0058	EA		48" x 108" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	431.28 114.77	24.36
10 14 53 11-0059	EA		60" x 72" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	365.58 95.65	23.38
10 14 53 11-0060	EA		72" x 144" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	827.51 229.55	31.17
10 14 53 11-0061	EA		78" x 96" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	601.31 165.78	24.36



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0062			<b>Non-Reflectorized Traffic Signs</b> <small>(10 14 53 11-0001)</small>		
			Note: Includes reserved parking, handicap parking, visitor parking, no parking, tow away zones, etc. Excludes posts.		
10 14 53 11-0063			<b>Steel Non-Reflectorized Traffic Signs</b> <small>(10 14 53 11-0062)</small>		
10 14 53 11-0064	EA		6" x 12" Steel Non Reflectorized Traffic Sign.....	20.18	7.79
10 14 53 11-0065	EA		6" x 18" Steel Non Reflectorized Traffic Sign.....	22.48	7.79
10 14 53 11-0066	EA		9" x 12" Steel Non Reflectorized Traffic Sign.....	22.48	7.79
10 14 53 11-0067	EA		9" x 15" Steel Non Reflectorized Traffic Sign.....	24.20	7.79
10 14 53 11-0068	EA		9" x 18" Steel Non Reflectorized Traffic Sign.....	25.93	7.79
10 14 53 11-0069	EA		9" x 24" Steel Non Reflectorized Traffic Sign.....	30.34	8.28
10 14 53 11-0070	EA		9" x 48" Steel Non Reflectorized Traffic Sign.....	44.12	8.28
10 14 53 11-0071	EA		12" x 12" Steel Non Reflectorized Traffic Sign.....	24.78	7.79
10 14 53 11-0072	EA		12" x 18" Steel Non Reflectorized Traffic Sign.....	30.34	8.28
10 14 53 11-0073	EA		12" x 24" Steel Non Reflectorized Traffic Sign.....	34.93	8.28
10 14 53 11-0074	EA		12" x 30" Steel Non Reflectorized Traffic Sign.....	39.53	8.28
10 14 53 11-0075	EA		12" x 36" Steel Non Reflectorized Traffic Sign.....	44.12	8.28
10 14 53 11-0076	EA		18" x 18" Steel Non Reflectorized Traffic Sign.....	37.23	8.28
10 14 53 11-0077	EA		18" x 24" Steel Non Reflectorized Traffic Sign.....	44.12	8.28
10 14 53 11-0078	EA		18" x 30" Steel Non Reflectorized Traffic Sign.....	51.99	8.77
10 14 53 11-0079	EA		18" x 36" Steel Non Reflectorized Traffic Sign.....	58.88	8.77
10 14 53 11-0080	EA		18" x 48" Steel Non Reflectorized Traffic Sign.....	76.55	10.72
10 14 53 11-0081	EA		18" x 54" Steel Non Reflectorized Traffic Sign.....	83.44	10.72
10 14 53 11-0082	EA		24" x 24" Steel Non Reflectorized Traffic Sign.....	54.29	8.77
10 14 53 11-0083	EA		24" x 30" Steel Non Reflectorized Traffic Sign.....	63.48	8.77
10 14 53 11-0084	EA		24" x 36" Steel Non Reflectorized Traffic Sign.....	72.66	8.77
10 14 53 11-0085	EA		24" x 42" Steel Non Reflectorized Traffic Sign.....	85.74	10.72
10 14 53 11-0086	EA		24" x 48" Steel Non Reflectorized Traffic Sign.....	94.93	10.72
10 14 53 11-0087	EA		24" x 54" Steel Non Reflectorized Traffic Sign.....	104.11	10.72
10 14 53 11-0088	EA		24" x 60" Steel Non Reflectorized Traffic Sign.....	113.30	10.72
10 14 53 11-0089	EA		30" x 30" Steel Non Reflectorized Traffic Sign.....	74.96	8.77
10 14 53 11-0090	EA		30" x 36" Steel Non Reflectorized Traffic Sign.....	90.33	10.72
10 14 53 11-0091	EA		30" x 42" Steel Non Reflectorized Traffic Sign.....	101.82	10.72
10 14 53 11-0092	EA		30" x 48" Steel Non Reflectorized Traffic Sign.....	117.20	12.66
10 14 53 11-0093	EA		30" x 60" Steel Non Reflectorized Traffic Sign.....	144.06	14.61
10 14 53 11-0094	EA		36" x 36" Steel Non Reflectorized Traffic Sign.....	104.11	10.72
10 14 53 11-0095	EA		36" x 42" Steel Non Reflectorized Traffic Sign.....	121.80	12.66
10 14 53 11-0096	EA		36" x 48" Steel Non Reflectorized Traffic Sign.....	139.47	14.61
10 14 53 11-0097	EA		36" x 54" Steel Non Reflectorized Traffic Sign.....	153.25	14.61
10 14 53 11-0098	EA		36" x 60" Steel Non Reflectorized Traffic Sign.....	170.94	16.56
10 14 53 11-0099	EA		36" x 73" Steel Non Reflectorized Traffic Sign.....	204.69	18.51
10 14 53 11-0100	EA		36" x 78" Steel Non Reflectorized Traffic Sign.....	216.17	18.51
10 14 53 11-0101	EA		36" x 108" Steel Non Reflectorized Traffic Sign.....	290.91	21.43
10 14 53 11-0102	EA		42" x 42" Steel Non Reflectorized Traffic Sign.....	141.76	14.61
10 14 53 11-0103	EA		48" x 48" Steel Non Reflectorized Traffic Sign.....	180.13	16.56
10 14 53 11-0104	EA		48" x 54" Steel Non Reflectorized Traffic Sign.....	202.39	18.51
10 14 53 11-0105	EA		48" x 60" Steel Non Reflectorized Traffic Sign.....	220.76	18.51
10 14 53 11-0106	EA		48" x 66" Steel Non Reflectorized Traffic Sign.....	244.98	21.43
10 14 53 11-0107	EA		48" x 72" Steel Non Reflectorized Traffic Sign.....	263.35	21.43
10 14 53 11-0108	EA		48" x 84" Steel Non Reflectorized Traffic Sign.....	304.00	23.38
10 14 53 11-0109	EA		48" x 96" Steel Non Reflectorized Traffic Sign.....	340.75	23.38
10 14 53 11-0110	EA		48" x 102" Steel Non Reflectorized Traffic Sign.....	359.12	23.38
10 14 53 11-0111	EA		48" x 108" Steel Non Reflectorized Traffic Sign.....	379.44	24.36
10 14 53 11-0112	EA		60" x 72" Steel Non Reflectorized Traffic Sign.....	322.38	23.38
10 14 53 11-0113	EA		72" x 144" Steel Non Reflectorized Traffic Sign.....	723.83	31.17
10 14 53 11-0114	EA		78" x 96" Steel Non Reflectorized Traffic Sign.....	526.43	24.36
10 14 53 11-0115			<b>Aluminum Non-Reflectorized Traffic Signs</b> <small>(10 14 53 11-0062)</small>		
10 14 53 11-0116	EA		6" x 12" Aluminum Non Reflectorized Traffic Sign.....	20.37	7.79
10 14 53 11-0117	EA		6" x 18" Aluminum Non Reflectorized Traffic Sign.....	22.76	7.79
10 14 53 11-0118	EA		9" x 12" Aluminum Non Reflectorized Traffic Sign.....	22.76	7.79
10 14 53 11-0119	EA		9" x 15" Aluminum Non Reflectorized Traffic Sign.....	24.55	7.79
10 14 53 11-0120	EA		9" x 18" Aluminum Non Reflectorized Traffic Sign.....	26.35	7.79
10 14 53 11-0121	EA		9" x 24" Aluminum Non Reflectorized Traffic Sign.....	30.90	8.28
10 14 53 11-0122	EA		9" x 48" Aluminum Non Reflectorized Traffic Sign.....	45.24	8.28
10 14 53 11-0123	EA		12" x 12" Aluminum Non Reflectorized Traffic Sign.....	25.15	7.79
10 14 53 11-0124	EA		12" x 18" Aluminum Non Reflectorized Traffic Sign.....	30.90	8.28
10 14 53 11-0125	EA		12" x 24" Aluminum Non Reflectorized Traffic Sign.....	35.68	8.28
10 14 53 11-0126	EA		12" x 30" Aluminum Non Reflectorized Traffic Sign.....	40.46	8.28
10 14 53 11-0127	EA		12" x 36" Aluminum Non Reflectorized Traffic Sign.....	45.24	8.28
10 14 53 11-0128	EA		18" x 18" Aluminum Non Reflectorized Traffic Sign.....	38.07	8.28
10 14 53 11-0129	EA		18" x 24" Aluminum Non Reflectorized Traffic Sign.....	45.24	8.28
10 14 53 11-0130	EA		18" x 30" Aluminum Non Reflectorized Traffic Sign.....	53.40	8.77
10 14 53 11-0131	EA		18" x 36" Aluminum Non Reflectorized Traffic Sign.....	60.57	8.77
10 14 53 11-0132	EA		18" x 48" Aluminum Non Reflectorized Traffic Sign.....	78.80	10.72
10 14 53 11-0133	EA		18" x 54" Aluminum Non Reflectorized Traffic Sign.....	85.97	10.72
10 14 53 11-0134	EA		24" x 24" Aluminum Non Reflectorized Traffic Sign.....	55.79	8.77
10 14 53 11-0135	EA		24" x 30" Aluminum Non Reflectorized Traffic Sign.....	65.35	8.77



<b>Specialties</b>	<b>10</b>
<b>Information Specialties</b>	<b>10 10</b>
<b>Signage</b>	<b>10 14</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0136 EA 24" x 36" Aluminum Non ReflectORIZED Traffic Sign.....	74.91	8.77
10 14 53 11-0137 EA 24" x 42" Aluminum Non ReflectORIZED Traffic Sign.....	88.36	10.72
10 14 53 11-0138 EA 24" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	97.92	10.72
10 14 53 11-0139 EA 24" x 54" Aluminum Non ReflectORIZED Traffic Sign.....	107.48	10.72
10 14 53 11-0140 EA 24" x 60" Aluminum Non ReflectORIZED Traffic Sign.....	117.05	10.72
10 14 53 11-0141 EA 30" x 30" Aluminum Non ReflectORIZED Traffic Sign.....	77.30	8.77
10 14 53 11-0142 EA 30" x 36" Aluminum Non ReflectORIZED Traffic Sign.....	93.14	10.72
10 14 53 11-0143 EA 30" x 42" Aluminum Non ReflectORIZED Traffic Sign.....	105.09	10.72
10 14 53 11-0144 EA 30" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	120.95	12.66
10 14 53 11-0145 EA 30" x 60" Aluminum Non ReflectORIZED Traffic Sign.....	148.74	14.61
10 14 53 11-0146 EA 36" x 36" Aluminum Non ReflectORIZED Traffic Sign.....	107.48	10.72
10 14 53 11-0147 EA 36" x 42" Aluminum Non ReflectORIZED Traffic Sign.....	123.73	12.66
10 14 53 11-0148 EA 36" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	143.96	14.61
10 14 53 11-0149 EA 36" x 54" Aluminum Non ReflectORIZED Traffic Sign.....	158.30	14.61
10 14 53 11-0150 EA 36" x 60" Aluminum Non ReflectORIZED Traffic Sign.....	176.55	16.56
10 14 53 11-0151 EA 36" x 73" Aluminum Non ReflectORIZED Traffic Sign.....	211.52	18.51
10 14 53 11-0152 EA 36" x 78" Aluminum Non ReflectORIZED Traffic Sign.....	223.47	18.51
10 14 53 11-0153 EA 36" x 108" Aluminum Non ReflectORIZED Traffic Sign.....	301.02	21.43
10 14 53 11-0154 EA 42" x 42" Aluminum Non ReflectORIZED Traffic Sign.....	146.35	14.61
10 14 53 11-0155 EA 48" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	186.12	16.56
10 14 53 11-0156 EA 48" x 54" Aluminum Non ReflectORIZED Traffic Sign.....	209.13	18.51
10 14 53 11-0157 EA 48" x 60" Aluminum Non ReflectORIZED Traffic Sign.....	228.25	18.51
10 14 53 11-0158 EA 48" x 66" Aluminum Non ReflectORIZED Traffic Sign.....	253.22	21.43
10 14 53 11-0159 EA 48" x 72" Aluminum Non ReflectORIZED Traffic Sign.....	272.34	21.43
10 14 53 11-0160 EA 48" x 84" Aluminum Non ReflectORIZED Traffic Sign.....	314.48	23.38
10 14 53 11-0161 EA 48" x 96" Aluminum Non ReflectORIZED Traffic Sign.....	352.73	23.38
10 14 53 11-0162 EA 48" x 102" Aluminum Non ReflectORIZED Traffic Sign.....	371.85	23.38
10 14 53 11-0163 EA 48" x 108" Aluminum Non ReflectORIZED Traffic Sign.....	392.92	24.36
10 14 53 11-0164 EA 60" x 72" Aluminum Non ReflectORIZED Traffic Sign.....	333.61	23.38
10 14 53 11-0165 EA 72" x 144" Aluminum Non ReflectORIZED Traffic Sign.....	750.79	31.17
10 14 53 11-0166 EA 78" x 96" Aluminum Non ReflectORIZED Traffic Sign.....	545.90	24.36
10 14 53 11-0167 Aluminum Street Signs (10 14 53 11-0001)		
Note: Excludes posts.		
10 14 53 11-0168 Aluminum Engineer Grade Street Signs (10 14 53 11-0167)		
10 14 53 11-0169 EA 6" High, Aluminum Engineer Grade Street Sign.....	51.73	3.89
For Hi-Intensity Grade, Add		
	13.18	
10 14 53 11-0170 EA 8" High, Aluminum Engineer Grade Street Sign.....	59.49	3.89
For Hi-Intensity Grade, Add		
	15.51	
10 14 53 11-0171 EA 9" High, Aluminum Engineer Grade Street Sign.....	65.27	3.89
For Hi-Intensity Grade, Add		
	17.24	
10 14 53 11-0172 Street Sign Accessories (10 14 53 11-0167)		
10 14 53 11-0173 EA Post Cap And Single Bracket For Street Sign.....	14.46	1.95
10 14 53 11-0174 EA Post Cap And Double Bracket For Street Sign.....	14.46	1.95
10 14 53 11-0175 Sign Posts (10 14 53 11-0001)		
Note: Excludes sign. See CSI section 32 31 13 13-0001 for auguring of holes and backfill.		
10 14 53 11-0176 U-Channel Sign Posts (10 14 53 11-0175)		
Note: Excludes digging and concrete.		
10 14 53 11-0177 Baked Enamel U-Channel Sign Posts (10 14 53 11-0176)		
10 14 53 11-0178 EA 3' To 4' Baked Enamel U-Channel Sign Post Base.....	34.43	8.05
10 14 53 11-0179 EA 6' Baked Enamel U-Channel Sign Post.....	45.90	10.06
10 14 53 11-0180 EA 7' Baked Enamel U-Channel Sign Post.....	54.73	12.06
10 14 53 11-0181 EA 8' Baked Enamel U-Channel Sign Post.....	64.14	14.08
10 14 53 11-0182 EA 10' Baked Enamel U-Channel Sign Post.....	77.25	17.10
10 14 53 11-0183 EA 12' Baked Enamel U-Channel Sign Post.....	80.19	17.10
10 14 53 11-0184 Galvanized Steel U-Channel Sign Posts (10 14 53 11-0176)		
10 14 53 11-0185 EA 3' To 4' Galvanized Steel U-Channel Sign Post Base.....	38.21	8.05
10 14 53 11-0186 EA 6' Galvanized Steel U-Channel Sign Post.....	51.90	10.06
10 14 53 11-0187 EA 7' Galvanized Steel U-Channel Sign Post.....	68.30	12.06
10 14 53 11-0188 EA 8' Galvanized Steel U-Channel Sign Post.....	79.14	14.08
10 14 53 11-0189 EA 10' Galvanized Steel U-Channel Sign Post.....	88.17	17.10
10 14 53 11-0190 EA 12' Galvanized Steel U-Channel Sign Post.....	89.69	17.10
10 14 53 11-0191 Fiberglass Or Composite Plastic U-Channel Sign Posts (10 14 53 11-0176)		
10 14 53 11-0192 EA 3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base.....	33.54	8.05
10 14 53 11-0193 EA 6' Fiberglass Or Composite Plastic U-Channel Sign Post.....	43.96	10.06
10 14 53 11-0194 EA 7' Fiberglass Or Composite Plastic U-Channel Sign Post.....	52.39	12.06
10 14 53 11-0195 EA 8' Fiberglass Or Composite Plastic U-Channel Sign Post.....	61.35	14.08
10 14 53 11-0196 EA 10' Fiberglass Or Composite Plastic U-Channel Sign Post.....	72.19	17.10
10 14 53 11-0197 EA 12' Fiberglass Or Composite Plastic U-Channel Sign Post.....	77.19	17.10

<b>10</b>	<b>10</b>	<b>Specialties</b>
	<b>10 10</b>	<b>Information Specialties</b>
	<b>10 14</b>	<b>Signage</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0198	<b>Tubular Sign Posts</b> (10 14 53 11-0175) Note: Excludes digging and concrete.	
10 14 53 11-0199	<b>2-3/8" Diameter, Galvanized Steel Tubular Sign Post</b> (10 14 53 11-0198)	
10 14 53 11-0200 EA	6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	52.52 10.06
10 14 53 11-0201 EA	7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	62.14 12.06
10 14 53 11-0202 EA	8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	73.64 14.08
10 14 53 11-0203 EA	10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	96.38 17.10
10 14 53 11-0204 EA	12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	106.68 17.10
10 14 53 11-0205	<b>Square Sign Posts</b> (10 14 53 11-0175) Note: Excludes digging and concrete.	
10 14 53 11-0206	<b>Galvanized Steel Square Sign Posts</b> (10 14 53 11-0205)	
10 14 53 11-0207 EA	3' To 4' Galvanized Steel Square Sign Post Base .....	39.05 8.05
10 14 53 11-0208 EA	6' Galvanized Steel Square Sign Post .....	66.11 10.06
10 14 53 11-0209 EA	7' Galvanized Steel Square Sign Post .....	77.14 12.06
10 14 53 11-0210 EA	8' Galvanized Steel Square Sign Post .....	89.96 14.08
10 14 53 11-0211 EA	10' Galvanized Steel Square Sign Post .....	110.00 17.10
10 14 53 11-0212 EA	12' Galvanized Steel Square Sign Post .....	117.19 17.10
10 14 53 11-0213	<b>Other Sign Posts And Bases</b> (10 14 53 11-0001) Note: For breakaway post systems, base posts are driven in, sign posts bolted to base post using lap splice hardware kit.	
10 14 53 11-0214	<b>2.5 LB/FT Breakaway Sign Posts And Base Posts</b> (10 14 53 11-0213)	
10 14 53 11-0215	<b>Base Posts, 2.5 LB/LF, For Breakaway Sign Posts</b> (10 14 53 11-0214)	
10 14 53 11-0216 EA	Base Post For 2.5 LB/LF Breakaway Sign Post.....	46.07 9.74
10 14 53 11-0217 EA	Lap Splice Hardware For 2.5 LB/LF Breakaway Sign Post.....	30.48 7.79
10 14 53 11-0218	<b>Breakaway Sign Posts, 2.5 LB/LF</b> (10 14 53 11-0214)	
10 14 53 11-0219 LF	2.5 LB/LF Breakaway Sign Post .....	6.58 0.98
10 14 53 11-0220	<b>4 LB/FT Breakaway Sign Posts And Base Posts</b> (10 14 53 11-0213)	
10 14 53 11-0221	<b>Base Posts, 4 LB/LF, For Breakaway Sign Posts</b> (10 14 53 11-0220)	
10 14 53 11-0222 EA	Base Post For 4 LB/LF Breakaway Sign Post.....	48.59 11.69
10 14 53 11-0223 EA	Lap Splice Hardware For 4 LB/LF Breakaway Sign Post.....	30.48 7.79
10 14 53 11-0224	<b>Breakaway Sign Posts, 4 LB/LF</b> (10 14 53 11-0220)	
10 14 53 11-0225 LF	4 LB/LF Breakaway Sign Post .....	8.14 0.98
10 14 53 11-0226	<b>Driven Sign Posts</b> (10 14 53 11-0213)	
10 14 53 11-0227	<b>Driven Posts, 2.5 LB/LF</b> (10 14 53 11-0226)	
10 14 53 11-0228 LF	2.5 LB/LF Driven Post.....	6.97 1.37
10 14 53 11-0229	<b>Driven Posts, 4 LB/LF</b> (10 14 53 11-0226)	
10 14 53 11-0230 LF	4 LB/LF Driven Post.....	8.72 1.56
10 14 53 11-0231	<b>Omni-Directional Breakaway System For Sign Posts And Light Poles</b> (10 14 53 11-0213)	
10 14 53 11-0232	<b>Omni-Directional Breakaway Systems For Signs</b> (10 14 53 11-0231) Note: Break-Safe as manufactured by Trampo Industries. Tasks are organized by post type and size. Includes hinges, anchors, all associated parts and drilling.	
10 14 53 11-0233 EA	Omni-Directional Breakaway System For 6" To 8" Wide Flange (Trampo B525).....	785.50
10 14 53 11-0234 EA	Omni-Directional Breakaway System For 10" To 21" Wide Flange (Trampo B650).....	836.94
10 14 53 11-0235 EA	Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Trampo A14 And A16).....	573.79
10 14 53 11-0236 EA	Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Trampo A3 And A4.5).....	502.56
10 14 53 11-0237 EA	Omni-Directional Breakaway System For Square Tube (Trampo AS3 And AS4).....	569.84
10 14 53 11-0238 EA	Omni-Directional Breakaway System For U-Channels (Trampo AU4 To AU6).....	542.14
10 14 53 11-0239 EA	Omni-Directional Breakaway System For U-Channels Embedded (Trampo AUX4 To AUX6).....	587.64
10 14 53 11-0240	<b>Omni-Directional Breakaway Systems For Poles</b> (10 14 53 11-0231) Note: Pole-Safe as Manufactured by Trampo Industries. Tasks are organized by bolt size. Includes four couplings, all associated parts, drilling and can be for new or for retro-fitting existing poles.	
10 14 53 11-0241 EA	Omni-Directional Breakaway System For Poles With 5/8" Couplings .....	260.93
10 14 53 11-0242 EA	Omni-Directional Breakaway System For Poles With 3/4" Couplings .....	273.57
10 14 53 11-0243 EA	Omni-Directional Breakaway System For Poles With 1" Couplings .....	284.08
10 14 53 11-0244 EA	Omni-Directional Breakaway System For Poles With 1 1/4" Couplings.....	431.39



<b>Specialties</b>	<b>10</b>	<b>10</b>
Information Specialties	10 10	
Signage	10 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0245 EA Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 10" To Less Than 15".....	37.87	
10 14 53 11-0246 EA Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 15" To 20" .....	50.51	
<b>10 14 53 11-0247 Sign Post Accessories (10 14 53 11-0001)</b>		
<b>10 14 53 11-0248 Sign Post Brackets (10 14 53 11-0247)</b>		
10 14 53 11-0249 EA 2-3/8" Outside Diameter, Single Sign Bracket Set .....	18.53	2.93
10 14 53 11-0250 EA 2-3/8" Outside Diameter, Double Sign Bracket Set.....	34.03	4.87
10 14 53 11-0251 EA 10 cm - 37 cm Diameter, Buckle Bracket Set .....	29.78	3.89
<b>10 14 53 11-0252 Sign Post Caps (10 14 53 11-0247)</b>		
10 14 53 11-0253 EA Traffic Sign Post Cap .....	9.78	1.95
<b>10 14 53 11-0254 Sign Post Replacement Bolts (10 14 53 11-0247)</b>		
10 14 53 11-0255 EA Signage Fasteners, 2 Bolts, 2 Nuts And 4 Washers .....	5.88	
<b>10 14 53 11-0256 Removal Of Signs (10 14 53 11)</b>		
Note: Includes structural supports.		
10 14 53 11-0257 EA >4 To 10 SF Sign Area, Sign Removal.....	77.94	
10 14 53 11-0258 EA >10 To 20 SF Sign Area, Sign Removal.....	187.04	
10 14 53 11-0259 EA >20 To 40 SF Sign Area, Sign Removal .....	280.55	
10 14 53 11-0260 EA >40 To 100 SF Sign Area, Sign Removal.....	491.34	
<b>10 14 53 11-0261 Remove And Reinstall Signs (10 14 53 11)</b>		
Note: Includes structural supports.		
10 14 53 11-0262 EA >4 To 10 SF Sign Area, Removal And Reinstallation Of Sign .....	120.19	
10 14 53 11-0263 EA >10 To 20 SF Sign Area, Removal And Reinstallation Of Sign .....	282.90	
10 14 53 11-0264 EA >20 SF To 40 SF Sign Area, Removal And Reinstallation Of Sign .....	422.83	
10 14 53 11-0265 EA >40 SF To 100 SF Sign Area, Removal And Reinstallation Of Sign .....	738.87	
10 14 53 11-0266 EA Removal And Reinstallation Of Street Sign On Post .....	44.81	
10 14 53 11-0267 EA Removal And Relocation Of Traffic Light.....	164.53	
Note: Excludes electrical hookup.		
<b>10 14 56 Bridge Signage (10 14)</b>		
<b>10 14 56 00-0001 Bridge And Truss Mounted Signs (10 14 56)</b>		
<b>10 14 56 00-0002 Removal Of Bridge And Truss Mounted Signs (10 14 56 00-0001)</b>		
10 14 56 00-0003 CF Removal Of Foundation, Including Excavation .....	8.43	
10 14 56 00-0004 LF Removal Of Truss And Supports .....	126.45	
10 14 56 00-0005 SF Removal Of Sign Face.....	5.78	
10 14 56 00-0006 SF Removal Of Legend.....	9.64	
10 14 56 00-0007 EA Removal Of Changeable Message Panel.....	111.15	
10 14 56 00-0008 EA Removal Of Posts And Supports, Per Post.....	57.80	
<b>10 14 56 00-0009 Fabricate And Install Bridge And Truss Mounted Signs (10 14 56 00-0001)</b>		
10 14 56 00-0010 CY Foundation For Sign Excavation, Backfill, Compaction, Concrete, Rebar, Forms And Finish .....	309.77	
10 14 56 00-0011 LF Telescoping Steel Ground Posts .....	52.90	
10 14 56 00-0012 LF Overhead Steel Mounting Framework .....	905.52	
10 14 56 00-0013 LB Ground Mounted Steel Structure .....	3.57	
<b>10 14 56 00-0014 Fabricate And Install New 12" Extruded Aluminum Channel (10 14 56 00-0001)</b>		
Note: Includes reflective face with reflective legend.		
10 14 56 00-0015 SF 1 To 49.9 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend.....	65.93	
10 14 56 00-0016 SF 50 To 99.9 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend.....	58.75	
10 14 56 00-0017 SF 100 To 149.9 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend.....	52.53	
10 14 56 00-0018 SF >150 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend.....	47.21	
<b>10 14 56 00-0019 Fabricate And Install New Reflective Messages On Sign Face (10 14 56 00-0001)</b>		
<b>10 14 56 00-0020 One Color/3 Dimensional Demountable Letters (10 14 56 00-0019)</b>		
10 14 56 00-0021 EA 6" Capital Height Letter.....	15.48	
10 14 56 00-0022 EA 8" Capital Height Letter.....	18.51	
10 14 56 00-0023 EA 10" Capital Height Letter.....	21.50	
10 14 56 00-0024 EA 12" Capital Height Letter.....	24.26	
10 14 56 00-0025 EA 14" Capital Height Letter.....	26.10	
<b>10 14 56 00-0026 Two Color Legend Shields-Die Cut Vinyl Engineer Grade (10 14 56 00-0019)</b>		
10 14 56 00-0027 EA 6" Legend/Shields.....	16.10	
10 14 56 00-0028 EA 8" Legend/Shields.....	19.33	
10 14 56 00-0029 EA 10" Legend/Shields.....	22.53	



<b>10</b>	<b>10</b>	<b>Specialties</b>
	<b>10 10</b>	<b>Information Specialties</b>
	<b>10 14</b>	<b>Signage</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 56 00-0030 EA 12" Legend/Shields.....	25.50	
10 14 56 00-0031 EA 14" Legend/Shields.....	27.56	
<b>10 14 56 00-0032 Fabricate And Install New Changeable Message Panel</b> (10 14 56 00-0001)		
10 14 56 00-0033 SF One Color Hi-Intensity Die Cut Vinyl Letters on Demountable Panel.....	18.18	
<b>10 14 63 Electronic Message Signage</b> (10 14)		
<b>10 14 63 00-0001 Dynamic Signs</b> (10 14 63)		
<b>10 14 63 00-0002 Programming/Software And Repair</b> (10 14 63 00-0001)		
10 14 63 00-0003 HR Programming Message, Graphic Visuals, Movement Of Message, And Timing Of Visuals On Screen.....	116.95	
10 14 63 00-0004 HR Repair/Replacement Of Electronic Sign And Computer Components .....	73.09	
10 14 63 00-0005 HR Repair Flip Disks Or Light Source.....	73.09	
<b>10 14 63 00-0006 Fabricate And Install New Sign Cabinets</b> (10 14 63 00-0001)		
<b>10 14 63 00-0007 Cabinet For Flip Disk Display</b> (10 14 63 00-0006)		
10 14 63 00-0008 SF 1 To 99 SF Cabinet.....	132.18	
10 14 63 00-0009 SF 100 To 200 SF Cabinet.....	108.35	
<b>10 14 63 00-0010 Fabricate And Install New Sign Face Components</b> (10 14 63 00-0001)		
<b>10 14 63 00-0011 Enhanced Flip Disk Display</b> (10 14 63 00-0010)		
10 14 63 00-0012 EA Enhanced Flip Disk.....	95.60	
10 14 63 00-0013 SF Lexan Lens For Flip Disk Sign .....	37.89	
<b>10 14 63 00-0014 Disappearing Copy Sign</b> (10 14 63 00-0010)		
10 14 63 00-0015 SF 1 To 49.9 SF, Disappearing Copy Sign.....	21.17	
10 14 63 00-0016 SF =>50 SF, Disappearing Copy Sign.....	15.26	
<b>10 14 63 00-0017 Fabricate And Install Transfer Lights And Signs</b> (10 14 63 00-0001)		
10 14 63 00-0018 EA Passenger Transfer Signage .....	386.49	

**10 20 Interior Specialties** (10)

**10 21 Compartments And Cubicles** (10 20)

**10 21 13 Toilet Compartments** (10 21)

**10 21 13 13 Metal Toilet Compartments** (10 21 13)

<b>10 21 13 13-0001 Enamel Coated Steel Toilet Partitions And Urinal Screens</b> (10 21 13 13)		
Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of galvanized sheet metal, cleaned, primed and finished with oven baked enamel or epoxy coating.		
<b>10 21 13 13-0002 Enamel Coated Steel Toilet Partitions</b> (10 21 13 13-0001)		
Note: All colors.		
<b>10 21 13 13-0003 Floor Anchored, Enamel Coated Steel, Complete Toilet Partitions</b> (10 21 13 13-0002)		
10 21 13 13-0004 EA 36" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition.....	671.59	44.21
For >10, Deduct		
For Heavy Gauge Full-Height SS Hinges And Brackets, Add		
	-58.32	
	182.41	
10 21 13 13-0005 EA 60" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	824.89	48.14
For Heavy Gauge Full-Height SS Hinges And Brackets, Add		
	182.41	
10 21 13 13-0006 EA 60" x 78", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	884.12	50.10
For Heavy Gauge Full-Height SS Hinges And Brackets, Add		
	182.41	
<b>10 21 13 13-0007 Overhead Braced, Enamel Coated Steel, Complete Toilet Partitions</b> (10 21 13 13-0002)		
Note: Includes headrail.		
10 21 13 13-0008 EA 36" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition .....	680.15	54.03
For >10, Deduct		
For Heavy Gauge Full-Height SS Hinges And Brackets, Add		
	-57.21	
	182.41	
10 21 13 13-0009 EA 60" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	801.59	57.97
For Heavy Gauge Full-Height SS Hinges And Brackets, Add		
	182.41	
10 21 13 13-0010 EA 60" x 78", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	850.56	59.92
For Heavy Gauge Full-Height SS Hinges And Brackets, Add		
	182.41	



<b>Specialties</b>	<b>10</b>	<b>10</b>
Interior Specialties	10 20	
Compartments And Cubicles	10 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>10 21 13 13-0011</b> Floor And Ceiling Anchored, Enamel Coated Steel, Complete Toilet Partitions <small>(10 21 13 13-0002)</small>		
Note: Excludes above ceiling steel.		
10 21 13 13-0012 EA 36" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition .....	802.57	63.85
For >10, Deduct	-67.49	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	182.41	
10 21 13 13-0013 EA 60" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	951.56	67.79
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	182.41	
10 21 13 13-0014 EA 60" x 78", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	1,002.91	69.74
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	182.41	
<b>10 21 13 13-0015</b> Ceiling Hung, Enamel Coated Steel, Complete Toilet Partitions <small>(10 21 13 13-0002)</small>		
Note: Excludes above ceiling steel.		
10 21 13 13-0016 EA 36" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition .....	747.15	73.68
For >10, Deduct	-59.98	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	182.41	
10 21 13 13-0017 EA 60" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	922.62	77.61
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	182.41	
10 21 13 13-0018 EA 60" x 78", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	980.24	79.58
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	182.41	
<b>10 21 13 13-0019</b> Enamel Coated Steel Urinal Screens <small>(10 21 13 13-0001)</small>		
Note: All colors.		
<b>10 21 13 13-0020</b> Floor Anchored, Enamel Coated Steel, Urinal Screens <small>(10 21 13 13-0019)</small>		
10 21 13 13-0021 EA 24" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen.....	345.86	27.48
For Heavy Gauge Full-Height SS Brackets, Add	50.54	
10 21 13 13-0022 EA 36" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen.....	385.81	29.45
For Heavy Gauge Full-Height SS Brackets, Add	50.54	
10 21 13 13-0023 EA 48" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen.....	427.13	31.41
For Heavy Gauge Full-Height SS Brackets, Add	50.54	
<b>10 21 13 13-0024</b> Wall Hung, Enamel Coated Steel, Urinal Screens <small>(10 21 13 13-0019)</small>		
10 21 13 13-0025 EA 18" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen .....	177.32	23.56
For Heavy Gauge Full-Height SS Brackets, Add	50.54	
10 21 13 13-0026 EA 24" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen .....	190.95	25.53
For Heavy Gauge Full-Height SS Brackets, Add	50.54	
10 21 13 13-0027 EA 30" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen .....	200.42	27.48
For Heavy Gauge Full-Height SS Brackets, Add	50.54	
<b>10 21 13 13-0028</b> Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screens <small>(10 21 13 13-0019)</small>		
10 21 13 13-0029 EA 18" x 30" x 1", Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screen.....	240.76	25.53
For Heavy Gauge Full-Height SS Brackets, Add	50.54	
<b>10 21 13 13-0030</b> Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screens <small>(10 21 13 13-0019)</small>		
10 21 13 13-0031 EA 18" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen.....	276.83	25.53
For Heavy Gauge Full-Height SS Brackets, Add	50.54	
10 21 13 13-0032 EA 24" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen.....	294.61	27.48
For Heavy Gauge Full-Height SS Brackets, Add	50.54	
10 21 13 13-0033 EA 30" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen.....	312.39	29.45
For Heavy Gauge Full-Height SS Brackets, Add	50.54	
<b>10 21 13 13-0034</b> Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screens <small>(10 21 13 13-0019)</small>		
10 21 13 13-0035 EA 22" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen .....	315.39	27.48
For Heavy Gauge Full-Height SS Brackets, Add	50.54	
10 21 13 13-0036 EA 34" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen .....	338.71	29.45
For Heavy Gauge Full-Height SS Brackets, Add	50.54	
10 21 13 13-0037 EA 46" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen .....	377.26	31.41
For Heavy Gauge Full-Height SS Brackets, Add	50.54	
<b>10 21 13 13-0038</b> Enamel Coated Steel Toilet Partition Doors, Panels And Pilasters <small>(10 21 13 13-0001)</small>		
Note: All colors.		
<b>10 21 13 13-0039</b> Enamel Coated Steel, Toilet Partition Doors <small>(10 21 13 13-0038)</small>		
10 21 13 13-0040 EA 24" x 58" x 1", Enamel Coated Steel, Toilet Partition Door .....	226.27	7.86
For Heavy Gauge Full-Height SS Hinge, Add	81.33	
10 21 13 13-0041 EA 26" x 58" x 1", Enamel Coated Steel, Toilet Partition Door .....	231.81	7.86
For Heavy Gauge Full-Height SS Hinge, Add	81.33	

**10 Specialties****10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13 13-0042	EA	30" x 58" x 1", Enamel Coated Steel, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	245.46 81.33	8.44
10 21	13 13-0043	EA	34" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	270.39 81.33	8.44
10 21	13 13-0044	EA	36" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	275.93 81.33	8.44
<b>10 21 13 13-0045 Enamel Coated Steel, Toilet Partition Panels (10 21 13 13-0038)</b>					
10 21	13 13-0046	EA	6" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	148.25 50.54	11.79
10 21	13 13-0047	EA	12" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	164.07 50.54	12.77
10 21	13 13-0048	EA	18" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	179.87 50.54	13.76
10 21	13 13-0049	EA	24" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	195.69 50.54	14.74
10 21	13 13-0050	EA	30" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	211.52 50.54	15.72
10 21	13 13-0051	EA	36" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	227.33 50.54	16.70
10 21	13 13-0052	EA	42" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	241.76 50.54	17.68
10 21	13 13-0053	EA	48" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	257.58 50.54	18.66
10 21	13 13-0054	EA	55" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	267.85 50.54	19.65
10 21	13 13-0055	EA	58" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	274.18 42.00 50.54	20.04
10 21	13 13-0056	EA	60" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	282.28 42.00 50.54	20.63
10 21	13 13-0057	EA	70" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	310.57 42.00 50.54	21.61
10 21	13 13-0058	EA	78" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel..... <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	334.70 42.00 50.54	22.60
<b>10 21 13 13-0059 70" Long, Enamel Coated Steel, Toilet Partition Pilasters (10 21 13 13-0038)</b>					
10 21	13 13-0060	EA	Up To 4" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	119.84 50.54	5.89
10 21	13 13-0061	EA	5" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	131.50 50.54	6.87
10 21	13 13-0062	EA	6" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	144.54 50.54	7.86
10 21	13 13-0063	EA	8" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	168.67 50.54	8.84
10 21	13 13-0064	EA	10" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	191.41 50.54	9.82
10 21	13 13-0065	EA	12" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	214.15 50.54	10.81
10 21	13 13-0066	EA	18" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	281.23 50.54	11.79
10 21	13 13-0067	EA	22" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	324.75 50.54	12.77
10 21	13 13-0068	EA	24" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	348.87 50.54	13.76
<b>10 21 13 13-0069 82" Long, Enamel Coated Steel, Toilet Partition Pilasters (10 21 13 13-0038)</b>					
10 21	13 13-0070	EA	Up To 4" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	93.52 50.54	5.89
10 21	13 13-0071	EA	5" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	101.03 50.54	6.87
10 21	13 13-0072	EA	6" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	109.91 50.54	7.86
10 21	13 13-0073	EA	8" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	124.34 50.54	8.84
10 21	13 13-0074	EA	10" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	137.39 50.54	9.82
10 21	13 13-0075	EA	12" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	151.82 50.54	10.81
10 21	13 13-0076	EA	18" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	191.19 50.54	11.79
10 21	13 13-0077	EA	22" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	216.71 50.54	12.77
10 21	13 13-0078	EA	24" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	231.12 50.54	13.76



<b>Specialties</b>	<b>10</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>	
<b>Compartments And Cubicles</b>	<b>10 21</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>10 21 13 13-0079 96" To 120" Long, Enamel Coated Steel, Partition Pilasters</b> <small>(10 21 13 13-0038)</small>		
10 21 13 13-0080 EA Up To 4" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster.....	130.69	7.86
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	<i>50.54</i>	
10 21 13 13-0081 EA 5" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster .....	142.35	8.84
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	<i>50.54</i>	
10 21 13 13-0082 EA 6" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster .....	155.40	9.82
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	<i>50.54</i>	
10 21 13 13-0083 EA 8" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster .....	179.52	10.81
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	<i>50.54</i>	
10 21 13 13-0084 EA 10" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster .....	202.27	11.79
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	<i>50.54</i>	
10 21 13 13-0085 EA 12" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster .....	225.02	12.77
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	<i>50.54</i>	
10 21 13 13-0086 EA 18" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster .....	292.07	13.76
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	<i>50.54</i>	
10 21 13 13-0087 EA 22" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster .....	335.60	14.74
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	<i>50.54</i>	
10 21 13 13-0088 EA 24" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster .....	359.73	15.72
<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	<i>50.54</i>	
<b>10 21 13 14 Stainless-Steel Toilet Compartments</b> <small>(10 21 13)</small>		
<b>10 21 13 14-0001 Stainless Steel Toilet Partitions And Urinal Screens</b> <small>(10 21 13 14)</small>		
Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of type 304 stainless steel. Includes satin finish.		
<b>10 21 13 14-0002 Stainless Steel Toilet Partitions</b> <small>(10 21 13 14-0001)</small>		
<b>10 21 13 14-0003 Floor Anchored, Stainless Steel, Complete Toilet Partitions</b> <small>(10 21 13 14-0002)</small>		
10 21 13 14-0004 EA 36" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition.....	1,670.80	44.21
<i>For &gt;10, Deduct</i>	<i>-158.24</i>	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	<i>182.41</i>	
<i>For Diamond Pattern Finish, Add</i>	<i>553.83</i>	
10 21 13 14-0005 EA 60" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	2,029.59	48.14
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	<i>182.41</i>	
<i>For Diamond Pattern Finish, Add</i>	<i>676.66</i>	
10 21 13 14-0006 EA 60" x 78", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	2,126.53	50.10
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	<i>182.41</i>	
<i>For Diamond Pattern Finish, Add</i>	<i>709.21</i>	
<b>10 21 13 14-0007 Overhead Braced, Stainless Steel, Complete Toilet Partitions</b> <small>(10 21 13 14-0002)</small>		
Note: Includes headrail.		
10 21 13 14-0008 EA 36" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition .....	1,376.02	54.03
<i>For &gt;10, Deduct</i>	<i>-126.80</i>	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	<i>182.41</i>	
<i>For Diamond Pattern Finish, Add</i>	<i>443.79</i>	
10 21 13 14-0009 EA 60" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	1,693.10	57.97
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	<i>182.41</i>	
<i>For Diamond Pattern Finish, Add</i>	<i>552.01</i>	
10 21 13 14-0010 EA 60" x 78", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	1,852.50	59.92
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	<i>182.41</i>	
<i>For Diamond Pattern Finish, Add</i>	<i>606.43</i>	
<b>10 21 13 14-0011 Floor And Ceiling Anchored, Stainless Steel, Complete Toilet Partitions</b> <small>(10 21 13 14-0002)</small>		
Note: Excludes above ceiling steel.		
10 21 13 14-0012 EA 36" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition .....	1,931.53	63.85
<i>For &gt;10, Deduct</i>	<i>-180.38</i>	
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	<i>182.41</i>	
<i>For Diamond Pattern Finish, Add</i>	<i>631.34</i>	
10 21 13 14-0013 EA 60" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,073.28	67.79
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	<i>182.41</i>	
<i>For Diamond Pattern Finish, Add</i>	<i>678.20</i>	
10 21 13 14-0014 EA 60" x 78", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,173.17	69.74
<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	<i>182.41</i>	
<i>For Diamond Pattern Finish, Add</i>	<i>711.78</i>	
<b>10 21 13 14-0015 Ceiling Hung, Stainless Steel, Complete Toilet Partitions</b> <small>(10 21 13 14-0002)</small>		
Note: Excludes above ceiling steel.		

**10 Specialties****10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0016	EA		36" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition.....	1,910.87	73.68
			<i>For &gt;10, Deduct</i>	-176.35	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	182.41	
			<i>For Diamond Pattern Finish, Add</i>	617.23	
10 21 13 14-0017	EA		60" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,353.94	77.61
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	182.41	
			<i>For Diamond Pattern Finish, Add</i>	769.55	
10 21 13 14-0018	EA		60" x 78", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,479.96	79.58
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	182.41	
			<i>For Diamond Pattern Finish, Add</i>	812.28	
10 21 13 14-0019			<b>Stainless Steel Urinal Screens</b> (10 21 13 14-0001)		
10 21 13 14-0020			<b>Floor Anchored, Stainless Steel, Urinal Screens</b> (10 21 13 14-0019)		
10 21 13 14-0021	EA		24" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen.....	521.47	27.48
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For Diamond Pattern Finish, Add</i>	163.28	
10 21 13 14-0022	EA		36" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen.....	594.14	29.45
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For Diamond Pattern Finish, Add</i>	187.33	
10 21 13 14-0023	EA		48" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen.....	603.70	31.41
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For Diamond Pattern Finish, Add</i>	189.31	
10 21 13 14-0024			<b>Wall Hung, Stainless Steel, Urinal Screens</b> (10 21 13 14-0019)		
10 21 13 14-0025	EA		18" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen.....	378.06	23.56
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For Diamond Pattern Finish, Add</i>	115.83	
10 21 13 14-0026	EA		24" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen.....	409.02	25.53
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For Diamond Pattern Finish, Add</i>	125.29	
10 21 13 14-0027	EA		30" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen.....	447.42	27.48
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For Diamond Pattern Finish, Add</i>	137.36	
10 21 13 14-0028			<b>Wall Hung And Post Supported, Stainless Steel, Urinal Screens</b> (10 21 13 14-0019)		
10 21 13 14-0029	EA		18" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen.....	643.32	25.53
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For Diamond Pattern Finish, Add</i>	207.30	
10 21 13 14-0030	EA		24" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen.....	672.57	27.48
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For Diamond Pattern Finish, Add</i>	216.16	
10 21 13 14-0031	EA		30" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen.....	701.66	29.45
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For Diamond Pattern Finish, Add</i>	224.97	
10 21 13 14-0032			<b>Wall Hung And Overhead Braced, Stainless Steel, Urinal Screens</b> (10 21 13 14-0019)		
10 21 13 14-0033	EA		22" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen.....	521.47	27.48
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For Diamond Pattern Finish, Add</i>	163.28	
10 21 13 14-0034	EA		34" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen.....	594.14	29.45
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For Diamond Pattern Finish, Add</i>	187.33	
10 21 13 14-0035	EA		46" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen.....	670.03	31.41
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For Diamond Pattern Finish, Add</i>	212.52	
10 21 13 14-0036			<b>Stainless Steel Toilet Partition Doors, Panels And Pilasters</b> (10 21 13 14-0001)		
10 21 13 14-0037			<b>Stainless Steel, Toilet Partition Doors</b> (10 21 13 14-0036)		
10 21 13 14-0038	EA		24" x 58" x 1", Stainless Steel, Toilet Partition Door.....	368.61	7.86
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	81.33	
			<i>For Diamond Pattern Finish, Add</i>	123.51	
10 21 13 14-0039	EA		26" x 58" x 1", Stainless Steel, Toilet Partition Door.....	424.35	7.86
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	81.33	
			<i>For Diamond Pattern Finish, Add</i>	143.02	
10 21 13 14-0040	EA		30" x 58" x 1", Stainless Steel, Toilet Partition Door.....	434.03	8.84
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	81.33	
			<i>For Diamond Pattern Finish, Add</i>	145.72	
10 21 13 14-0041	EA		34" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door.....	450.12	8.84
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	81.33	
			<i>For Diamond Pattern Finish, Add</i>	151.35	
10 21 13 14-0042	EA		36" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door.....	454.59	8.84
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	81.33	
			<i>For Diamond Pattern Finish, Add</i>	152.92	
10 21 13 14-0043			<b>Stainless Steel, Toilet Partition Panels</b> (10 21 13 14-0036)		



<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
<b>Compartments And Cubicles</b>	<b>10 21</b>

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13 14-0044	EA	6" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	306.75 50.54 99.11	11.79
10 21	13 14-0045	EA	12" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	341.42 50.54 110.55	12.77
10 21	13 14-0046	EA	18" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	354.68 50.54 114.51	13.76
10 21	13 14-0047	EA	24" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	370.10 50.54 119.22	14.74
10 21	13 14-0048	EA	30" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	397.47 50.54 128.11	15.72
10 21	13 14-0049	EA	36" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	429.67 50.54 138.69	16.70
10 21	13 14-0050	EA	42" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	507.06 50.54 165.09	17.68
10 21	13 14-0051	EA	48" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	556.82 50.54 181.82	18.66
10 21	13 14-0052	EA	55" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	570.10 50.54 185.78	19.65
10 21	13 14-0053	EA	58" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	599.82 50.54 195.91	20.04
10 21	13 14-0054	EA	60" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	638.74 50.54 209.12	20.63
10 21	13 14-0055	EA	70" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	669.27 50.54 219.11	21.61
10 21	13 14-0056	EA	78" x 58" x 1", Stainless Steel, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	737.01 50.54 242.14	22.60
10 21	13 14-0057		<b>70" Long, Stainless Steel, Toilet Partition Pilasters</b> (10 21 13 14-0036)		
10 21	13 14-0058	EA	Up To 4" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	218.08 50.54 72.20	5.89
10 21	13 14-0059	EA	5" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	236.40 50.54 77.92	6.87
10 21	13 14-0060	EA	6" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	255.97 50.54 84.09	7.86
10 21	13 14-0061	EA	8" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	291.89 50.54 95.97	8.84
10 21	13 14-0062	EA	10" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	327.82 50.54 107.86	9.82
10 21	13 14-0063	EA	12" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	363.75 50.54 119.75	10.81
10 21	13 14-0064	EA	18" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	466.34 50.54 154.97	11.79
10 21	13 14-0065	EA	22" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	536.24 50.54 178.74	12.77
10 21	13 14-0066	EA	24" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	572.15 50.54 190.63	13.76
10 21	13 14-0067		<b>82" Long, Stainless Steel, Toilet Partition Pilasters</b> (10 21 13 14-0036)		
10 21	13 14-0068	EA	Up To 4" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	163.41 50.54 53.07	5.89
10 21	13 14-0069	EA	5" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	175.76 50.54 56.70	6.87
10 21	13 14-0070	EA	6" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	188.62 50.54 60.52	7.86
10 21	13 14-0071	EA	8" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	248.13 50.54 80.66	8.84

**10 Specialties****10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0072	EA		10" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	280.43 50.54 91.27	9.82
10 21 13 14-0073	EA		12" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	288.68 50.54 93.47	10.81
10 21 13 14-0074	EA		18" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	328.19 50.54 106.61	11.79
10 21 13 14-0075	EA		22" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	371.46 50.54 121.07	12.77
10 21 13 14-0076	EA		24" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	393.89 50.54 128.24	13.76
<b>10 21 13 14-0077</b>			<b>96" To 120" Long, Stainless Steel, Toilet Partition Pilasters</b> <small>(10 21 13 14-0036)</small>		
10 21 13 14-0078	EA		Up To 4" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	235.84 50.54 77.04	7.86
10 21 13 14-0079	EA		5" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	257.93 50.54 84.09	8.84
10 21 13 14-0080	EA		6" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	278.77 50.54 90.69	9.82
10 21 13 14-0081	EA		8" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	320.98 50.54 104.78	10.81
10 21 13 14-0082	EA		10" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	361.94 50.54 118.43	11.79
10 21 13 14-0083	EA		12" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	402.91 50.54 132.08	12.77
10 21 13 14-0084	EA		18" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	524.35 50.54 173.90	13.76
10 21 13 14-0085	EA		22" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	604.31 50.54 201.19	14.74
10 21 13 14-0086	EA		24" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	646.53 50.54 215.28	15.72
<b>10 21 13 16</b>			<b>Plastic-Laminate-Clad Toilet Compartments</b> <small>(10 21 13)</small>		
<b>10 21 13 16-0001</b>			<b>Laminated Plastic Toilet Partitions And Urinal Screens</b> <small>(10 21 13 16)</small> Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of a sandwich of high pressure decorative plastic laminate bonded to a solid industrial-grade particle board.		
<b>10 21 13 16-0002</b>			<b>Laminated Plastic Toilet Partitions</b> <small>(10 21 13 16-0001)</small> Note: Includes all standard Bobrick colors.		
<b>10 21 13 16-0003</b>			<b>Floor Anchored, Laminated Plastic, Complete Toilet Partitions</b> <small>(10 21 13 16-0002)</small>		
10 21 13 16-0004	EA		36" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	977.82 -88.94 146.51 182.41	44.21
10 21 13 16-0005	EA		60" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,213.39 146.52 182.41	48.14
10 21 13 16-0006	EA		60" x 78", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,310.86 146.53 182.41	50.10
<b>10 21 13 16-0007</b>			<b>Overhead Braced, Laminated Plastic, Complete Toilet Partitions</b> <small>(10 21 13 16-0002)</small> Note: Includes headrail.		
10 21 13 16-0008	EA		36" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,040.89 -93.28 146.54 182.41	54.03
10 21 13 16-0009	EA		60" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,287.32 146.55 182.41	57.97



<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
<b>Compartments And Cubicles</b>	<b>10 21</b>

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13 16-0010	EA	60" x 78", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,392.90 146.55 182.41	59.92
10 21	13 16-0011		<b>Ceiling Hung, Laminated Plastic, Complete Toilet Partitions</b> (10 21 13 16-0002) Note: Excludes above ceiling steel.		
10 21	13 16-0012	EA	36" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition <i>For &gt;10, Deduct</i> <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,387.63 -124.03 146.59 182.41	73.68
10 21	13 16-0013	EA	60" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,642.39 146.60 182.41	77.61
10 21	13 16-0014	EA	60" x 78", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,739.85 146.61 182.41	79.58
10 21	13 16-0015		<b>Laminated Plastic Urinal Screens</b> (10 21 13 16-0001) Note: Includes all standard Bobrick colors.		
10 21	13 16-0016		<b>Floor Anchored, Laminated Plastic, Urinal Screens</b> (10 21 13 16-0015)		
10 21	13 16-0017	EA	24" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	386.68 50.54	27.48
10 21	13 16-0018	EA	36" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	423.14 50.54	29.45
10 21	13 16-0019	EA	48" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	433.45 50.54	31.41
10 21	13 16-0020		<b>Wall Hung, Laminated Plastic, Urinal Screens</b> (10 21 13 16-0015)		
10 21	13 16-0021	EA	18" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	294.00 50.54	23.56
10 21	13 16-0022	EA	24" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	307.23 50.54	25.53
10 21	13 16-0023	EA	30" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	319.62 50.54	27.48
10 21	13 16-0024		<b>Wall Hung And Post Supported, Laminated Plastic, Urinal Screens</b> (10 21 13 16-0015)		
10 21	13 16-0025	EA	18" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	406.68 50.54	25.53
10 21	13 16-0026	EA	24" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	447.72 50.54	27.48
10 21	13 16-0027	EA	30" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	492.64 50.54	29.45
10 21	13 16-0028		<b>Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screens</b> (10 21 13 16-0015)		
10 21	13 16-0029	EA	24" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	369.76 50.54	25.53
10 21	13 16-0030	EA	36" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	407.15 50.54	27.48
10 21	13 16-0031	EA	48" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	416.94 50.54	29.45
10 21	13 16-0032		<b>Laminated Plastic Toilet Partition Doors, Panels And Pilasters</b> (10 21 13 16-0001) Note: Includes all standard Bobrick colors.		
10 21	13 16-0033		<b>Laminated Plastic, Toilet Partition Doors</b> (10 21 13 16-0032)		
10 21	13 16-0034	EA	24" x 58" x 1", Laminated Plastic, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	344.52 81.33	7.86
10 21	13 16-0035	EA	26" x 58" x 1", Laminated Plastic, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	376.47 81.33	7.86
10 21	13 16-0036	EA	30" x 58" x 1", Laminated Plastic, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	387.15 81.33	8.84
10 21	13 16-0037	EA	34" x 58" x 1", Laminated Plastic, ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	397.02 81.33	8.84
10 21	13 16-0038	EA	36" x 58" x 1", Laminated Plastic, ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	406.32 81.33	8.84
10 21	13 16-0039		<b>Laminated Plastic, Toilet Partition Panels</b> (10 21 13 16-0032)		
10 21	13 16-0040	EA	6" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	153.08 50.54	11.79
10 21	13 16-0041	EA	12" x 58" x 1", Laminated Plastic, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	170.11 50.54	12.77



**10 Specialties****10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0042	EA		18" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	187.12 50.54	13.76
10 21 13 16-0043	EA		24" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	204.91 50.54	14.74
10 21 13 16-0044	EA		30" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	221.17 50.54	15.72
10 21 13 16-0045	EA		36" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	239.05 50.54	16.70
10 21 13 16-0046	EA		42" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	242.78 50.54	17.68
10 21 13 16-0047	EA		48" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	247.62 50.54	18.66
10 21 13 16-0048	EA		55" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	260.65 50.54	19.65
10 21 13 16-0049	EA		58" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	272.73 50.54	20.04
10 21 13 16-0050	EA		60" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	285.83 50.54	20.63
10 21 13 16-0051	EA		70" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	331.37 50.54	21.61
10 21 13 16-0052	EA		78" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	383.29 50.54	22.60
<b>10 21 13 16-0053</b>			<b>69" Long, Laminated Plastic, Toilet Partition Pilasters</b> <small>(10 21 13 16-0032)</small>		
10 21 13 16-0054	EA		Up To 4" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	135.53 10.21 50.54 123.74	5.89
10 21 13 16-0055	EA		5" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	156.09 11.74 50.54 142.33	6.87
10 21 13 16-0056	EA		6" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	158.05 11.74 50.54 142.33	7.86
10 21 13 16-0057	EA		8" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	173.95 12.89 50.54 156.27	8.84
10 21 13 16-0058	EA		10" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	179.99 13.23 50.54 160.34	9.82
10 21 13 16-0059	EA		12" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	195.31 14.33 50.54 173.70	10.81
10 21 13 16-0060	EA		18" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	254.21 19.03 50.54 230.63	11.79
10 21 13 16-0061	EA		22" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	311.95 23.63 50.54 286.40	12.77
10 21 13 16-0062	EA		24" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	351.66 26.74 50.54 324.16	13.76
<b>10 21 13 16-0063</b>			<b>83" Long, Laminated Plastic, Toilet Partition Pilasters</b> <small>(10 21 13 16-0032)</small>		
10 21 13 16-0064	EA		Up To 4" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	281.92 22.29 50.54 270.13	5.89
10 21 13 16-0065	EA		5" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	310.61 24.49 50.54 296.85	6.87
10 21 13 16-0066	EA		6" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	312.57 24.49 50.54 296.85	7.86
10 21 13 16-0067	EA		8" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	337.19 26.36 50.54 319.51	8.84
10 21 13 16-0068	EA		10" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	367.62 28.71 50.54 347.97	9.82



<b>Specialties</b>	<b>10</b>	<b>10</b>
Interior Specialties	10 20	
Compartments And Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0069	EA		12" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster ..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	391.66 30.53 50.54 370.05	10.81
10 21 13 16-0070	EA		18" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster ..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	492.11 38.65 50.54 468.53	11.79
10 21 13 16-0071	EA		22" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster ..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	562.32 44.28 50.54 536.77	12.77
10 21 13 16-0072	EA		24" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster ..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	575.31 45.19 50.54 547.81	13.76

**10 21 13 19 Plastic Toilet Compartments (10 21 13)**

10 21 13 19-0001			<b>Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens (10 21 13 19)</b> Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of high density polyethylene (HDPE). Includes Class B fire rating.		
10 21 13 19-0002			<b>Recycled Solid Plastic (HDPE) Toilet Partitions (10 21 13 19-0001)</b> Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0003			<b>Overhead Braced, Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0002)</b> Note: Includes headrail.		
10 21 13 19-0004	EA		36" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,174.93 -106.69 182.41 661.46	54.03
10 21 13 19-0005	EA		60" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,463.76 182.41 835.66	57.97
10 21 13 19-0006	EA		60" x 78", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,630.78 182.41 936.78	59.92
10 21 13 19-0007			<b>Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0002)</b> Note: Excludes above ceiling steel.		
10 21 13 19-0008	EA		36" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,154.16 -102.65 182.41 636.40	63.85
10 21 13 19-0009	EA		60" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,469.10 182.41 826.79	67.79
10 21 13 19-0010	EA		60" x 78", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,636.11 182.41 927.90	69.74
10 21 13 19-0011			<b>Ceiling Hung, Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0002)</b> Note: Excludes above ceiling steel.		
10 21 13 19-0012	EA		36" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,197.09 -104.97 182.41 650.83	73.68
10 21 13 19-0013	EA		60" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,440.19 182.41 796.68	77.61
10 21 13 19-0014	EA		60" x 78", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,607.21 182.41 897.80	79.58
10 21 13 19-0015			<b>Recycled Solid Plastic (HDPE) Urinal Screens (10 21 13 19-0001)</b> Note: Includes all standard Columbia Partitions colors.		

**10 Specialties****10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0016			<b>Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screens</b> <small>(10 21 13 19-0015)</small>		
10 21 13 19-0017	EA		18" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen.....	251.49	23.56
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	126.72	
10 21 13 19-0018	EA		24" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen.....	263.47	25.53
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	131.71	
10 21 13 19-0019			<b>Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screens</b> <small>(10 21 13 19-0015)</small>		
10 21 13 19-0020	EA		18" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen.....	328.85	25.53
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	172.24	
10 21 13 19-0021	EA		24" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen.....	425.37	27.48
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	229.65	
10 21 13 19-0022	EA		30" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen.....	474.90	29.45
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	257.92	
10 21 13 19-0023			<b>Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screens</b> <small>(10 21 13 19-0015)</small>		
10 21 13 19-0024	EA		24" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen.....	332.78	27.48
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	172.24	
10 21 13 19-0025	EA		36" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen.....	429.30	29.45
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	229.65	
10 21 13 19-0026	EA		48" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen.....	516.63	31.41
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	281.36	
10 21 13 19-0027			<b>Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters</b> <small>(10 21 13 19-0001)</small> Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0028			<b>Recycled Solid Plastic (HDPE), Toilet Partition Doors</b> <small>(10 21 13 19-0027)</small>		
10 21 13 19-0029	EA		24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door.....	290.32	7.86
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	81.33	
			<i>For NFPA Class A, Add</i>	170.25	
10 21 13 19-0030	EA		26" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door.....	315.31	7.86
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	81.33	
			<i>For NFPA Class A, Add</i>	185.75	
10 21 13 19-0031	EA		30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door.....	342.08	8.84
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	81.33	
			<i>For NFPA Class A, Add</i>	201.13	
10 21 13 19-0032	EA		34" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door.....	392.65	8.84
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	81.33	
			<i>For NFPA Class A, Add</i>	232.48	
10 21 13 19-0033	EA		36" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door.....	404.62	8.84
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	81.33	
			<i>For NFPA Class A, Add</i>	239.90	
10 21 13 19-0034			<b>Recycled Solid Plastic (HDPE), Toilet Partition Panels</b> <small>(10 21 13 19-0027)</small>		
10 21 13 19-0035	EA		6" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	84.45	11.79
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	37.74	
10 21 13 19-0036	EA		12" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	147.28	12.77
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	75.47	
10 21 13 19-0037	EA		18" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	210.09	13.76
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	113.21	
10 21 13 19-0038	EA		24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	247.96	14.74
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	135.46	
10 21 13 19-0039	EA		30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	304.55	15.72
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	169.33	
10 21 13 19-0040	EA		36" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	325.62	16.70
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	181.18	
10 21 13 19-0041	EA		42" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	367.73	17.68
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	206.06	
10 21 13 19-0042	EA		48" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	417.17	18.66
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	235.49	



<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
<b>Compartments And Cubicles</b>	<b>10 21</b>

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0043	EA		55" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	457.13 50.54 259.06	19.65
10 21 13 19-0044	EA		58" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	467.13 50.54 264.77	20.04
10 21 13 19-0045	EA		60" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	483.04 50.54 273.90	20.63
10 21 13 19-0046	EA		70" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	549.45 50.54 313.86	21.61
10 21 13 19-0047	EA		78" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	593.61 50.54 340.02	22.60
<b>10 21 13 19-0048</b>			<b>82" Long, Recycled Solid Plastic (HDPE), Toilet Partition Pilasters</b> <small>(10 21 13 19-0027)</small>		
10 21 13 19-0049	EA		Up To 4" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	129.04 50.54 72.70	5.89
10 21 13 19-0050	EA		5" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	142.76 50.54 79.98	6.87
10 21 13 19-0051	EA		6" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	154.42 50.54 85.99	7.86
10 21 13 19-0052	EA		8" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	165.05 50.54 91.37	8.84
10 21 13 19-0053	EA		10" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	185.53 50.54 102.85	9.82
10 21 13 19-0054	EA		12" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	205.99 50.54 114.32	10.81
10 21 13 19-0055	EA		18" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	289.17 50.54 164.67	11.79
10 21 13 19-0056	EA		22" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	328.07 50.54 187.56	12.77
10 21 13 19-0057	EA		24" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	357.52 50.54 204.61	13.76
<b>10 21 13 19-0058</b>			<b>96" To 120", Recycled Solid Plastic (HDPE), Toilet Partition Pilasters</b> <small>(10 21 13 19-0027)</small>		
10 21 13 19-0059	EA		Up To 4" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	156.15 50.54 87.07	7.86
10 21 13 19-0060	EA		5" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	171.48 50.54 95.36	8.84
10 21 13 19-0061	EA		6" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	188.70 50.54 104.81	9.82
10 21 13 19-0062	EA		8" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	214.49 50.54 119.59	10.81
10 21 13 19-0063	EA		10" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	240.55 50.54 134.52	11.79
10 21 13 19-0064	EA		12" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	266.35 50.54 149.30	12.77
10 21 13 19-0065	EA		18" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	346.85 50.54 198.00	13.76
10 21 13 19-0066	EA		22" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	389.47 50.54 223.20	14.74
10 21 13 19-0067	EA		24 x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	424.16 50.54 243.49	15.72

**10 21 13 19-0068 Antimicrobial Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens** (10 21 13 19)

Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and hardware as required. Constructed of high density polyethylene (HDPE). Includes Class B fire rating.

**10 Specialties****10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0069			<b>Antimicrobial Recycled Solid Plastic (HDPE) Toilet Partitions</b> <small>(10 21 13 19-0069)</small> Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0070			<b>Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions</b> <small>(10 21 13 19-0069)</small> Note: Includes headrail.		
10 21 13 19-0071	EA		36" x 60", Overhead Braced, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition.....	1,548.33	54.03
			<i>For &gt;10, Deduct</i>	-144.03	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	182.41	
			<i>For NFPA Class A, Add</i>	892.97	
10 21 13 19-0072	EA		60" x 60", Overhead Braced, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,935.52	57.97
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	182.41	
			<i>For NFPA Class A, Add</i>	1,128.15	
10 21 13 19-0073	EA		60" x 78", Overhead Braced, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,159.61	59.92
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	182.41	
			<i>For NFPA Class A, Add</i>	1,264.65	
10 21 13 19-0074			<b>Floor And Ceiling Anchored, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions</b> <small>(10 21 13 19-0069)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0075	EA		36" x 60", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition.....	1,513.42	63.85
			<i>For &gt;10, Deduct</i>	-138.57	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	182.41	
			<i>For NFPA Class A, Add</i>	859.14	
10 21 13 19-0076	EA		60" x 60", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,935.83	67.79
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	182.41	
			<i>For NFPA Class A, Add</i>	1,116.16	
10 21 13 19-0077	EA		60" x 78", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,159.92	69.74
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	182.41	
			<i>For NFPA Class A, Add</i>	1,252.66	
10 21 13 19-0078			<b>Ceiling Hung, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions</b> <small>(10 21 13 19-0069)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0079	EA		36" x 60", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition.....	1,564.50	73.68
			<i>For &gt;10, Deduct</i>	-141.71	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	182.41	
			<i>For NFPA Class A, Add</i>	878.63	
10 21 13 19-0080	EA		60" x 60", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,889.93	77.61
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	182.41	
			<i>For NFPA Class A, Add</i>	1,075.52	
10 21 13 19-0081	EA		60" x 78", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,114.02	79.58
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	182.41	
			<i>For NFPA Class A, Add</i>	1,212.02	
10 21 13 19-0082			<b>Antimicrobial Recycled Solid Plastic (HDPE) Urinal Screens</b> <small>(10 21 13 19-0069)</small> Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0083			<b>Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens</b> <small>(10 21 13 19-0082)</small>		
10 21 13 19-0084	EA		18" x 42" x 1", Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	323.02	23.56
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	171.06	
10 21 13 19-0085	EA		24" x 42" x 1", Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	335.20	25.53
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	176.18	
10 21 13 19-0086			<b>Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens</b> <small>(10 21 13 19-0082)</small>		
10 21 13 19-0087	EA		18" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	551.07	25.53
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	310.02	
10 21 13 19-0088	EA		24" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	630.21	27.48
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	356.65	
10 21 13 19-0089	EA		30" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	671.55	29.45
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	379.84	



<b>Specialties</b>	<b>10</b>	<b>10</b>
Interior Specialties	10 20	
Compartments And Cubicles	10 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>10 21 13 19-0090</b> Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens <small>(10 21 13 19-0082)</small>		
10 21 13 19-0091 EA 24" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	430.00	27.48
For Heavy Gauge Full-Height SS Brackets, Add	50.54	
For NFPA Class A, Add	232.52	
10 21 13 19-0092 EA 36" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	558.93	29.45
For Heavy Gauge Full-Height SS Brackets, Add	50.54	
For NFPA Class A, Add	310.02	
10 21 13 19-0093 EA 48" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen.....	675.47	31.41
For Heavy Gauge Full-Height SS Brackets, Add	50.54	
For NFPA Class A, Add	379.84	
<b>10 21 13 19-0094</b> Antimicrobial Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters <small>(10 21 13 19-0068)</small> Note: Includes all standard Columbia Partitions colors.		
<b>10 21 13 19-0095</b> Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Doors <small>(10 21 13 19-0094)</small>		
10 21 13 19-0096 EA 24" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door.....	386.43	7.86
For Heavy Gauge Full-Height SS Hinge, Add	81.33	
For NFPA Class A, Add	229.84	
10 21 13 19-0097 EA 26" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door.....	420.18	7.86
For Heavy Gauge Full-Height SS Hinge, Add	81.33	
For NFPA Class A, Add	250.77	
10 21 13 19-0098 EA 30" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door.....	455.62	8.84
For Heavy Gauge Full-Height SS Hinge, Add	81.33	
For NFPA Class A, Add	271.52	
10 21 13 19-0099 EA 34" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door.....	523.90	8.84
For Heavy Gauge Full-Height SS Hinge, Add	81.33	
For NFPA Class A, Add	313.86	
10 21 13 19-0100 EA 36" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door.....	540.05	8.84
For Heavy Gauge Full-Height SS Hinge, Add	81.33	
For NFPA Class A, Add	323.87	
<b>10 21 13 19-0101</b> Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panels <small>(10 21 13 19-0094)</small>		
10 21 13 19-0102 EA 6" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	105.74	11.79
For Heavy Gauge Full-Height SS Brackets, Add	50.54	
For NFPA Class A, Add	50.94	
10 21 13 19-0103 EA 12" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	189.89	12.77
For Heavy Gauge Full-Height SS Brackets, Add	50.54	
For NFPA Class A, Add	101.89	
10 21 13 19-0104 EA 18" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	274.00	13.76
For Heavy Gauge Full-Height SS Brackets, Add	50.54	
For NFPA Class A, Add	152.83	
10 21 13 19-0105 EA 24" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	324.42	14.74
For Heavy Gauge Full-Height SS Brackets, Add	50.54	
For NFPA Class A, Add	182.87	
10 21 13 19-0106 EA 30" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	400.13	15.72
For Heavy Gauge Full-Height SS Brackets, Add	50.54	
For NFPA Class A, Add	228.59	
10 21 13 19-0107 EA 36" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	427.89	16.70
For Heavy Gauge Full-Height SS Brackets, Add	50.54	
For NFPA Class A, Add	244.58	
10 21 13 19-0108 EA 42" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	484.05	17.68
For Heavy Gauge Full-Height SS Brackets, Add	50.54	
For NFPA Class A, Add	278.18	
10 21 13 19-0109 EA 48" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	550.12	18.66
For Heavy Gauge Full-Height SS Brackets, Add	50.54	
For NFPA Class A, Add	317.92	
10 21 13 19-0110 EA 55" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	603.38	19.65
For Heavy Gauge Full-Height SS Brackets, Add	50.54	
For NFPA Class A, Add	349.74	
10 21 13 19-0111 EA 58" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	616.60	20.04
For Heavy Gauge Full-Height SS Brackets, Add	50.54	
For NFPA Class A, Add	357.44	
10 21 13 19-0112 EA 60" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	637.65	20.63
For Heavy Gauge Full-Height SS Brackets, Add	50.54	
For NFPA Class A, Add	369.76	
10 21 13 19-0113 EA 70" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	726.64	21.61
For Heavy Gauge Full-Height SS Brackets, Add	50.54	
For NFPA Class A, Add	423.71	
10 21 13 19-0114 EA 78" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	785.55	22.60
For Heavy Gauge Full-Height SS Brackets, Add	50.54	
For NFPA Class A, Add	459.02	
<b>10 21 13 19-0115</b> 82" Long, Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters <small>(10 21 13 19-0094)</small>		
10 21 13 19-0116 EA Up To 4" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	170.07	5.89
For Heavy Gauge Full-Height SS Brackets, Add	50.54	
For NFPA Class A, Add	98.13	

**10 Specialties****10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0117	EA		5" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	187.91	6.87
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	107.97	
10 21 13 19-0118	EA		6" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	202.96	7.86
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	116.09	
10 21 13 19-0119	EA		8" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	234.72	8.84
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	134.56	
10 21 13 19-0120	EA		10" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	263.96	9.82
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	151.47	
10 21 13 19-0121	EA		12" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	293.15	10.81
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	168.35	
10 21 13 19-0122	EA		18" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	382.13	11.79
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	222.30	
10 21 13 19-0123	EA		22" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	433.96	12.77
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	253.21	
10 21 13 19-0124	EA		24" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	473.03	13.76
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	276.23	
<b>10 21 13 19-0125</b>			<b>96" To 120", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters</b> <small>(10 21 13 19-0094)</small>		
10 21 13 19-0126	EA		Up To 4" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	205.30	7.86
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	117.54	
10 21 13 19-0127	EA		5" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	225.31	8.84
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	128.73	
10 21 13 19-0128	EA		6" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	247.88	9.82
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	141.50	
10 21 13 19-0129	EA		8" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	282.00	10.81
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	161.44	
10 21 13 19-0130	EA		10" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	316.50	11.79
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	181.61	
10 21 13 19-0131	EA		12" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	350.62	12.77
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	201.54	
10 21 13 19-0132	EA		18" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	458.63	13.76
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	267.30	
10 21 13 19-0133	EA		22" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	515.46	14.74
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	301.31	
10 21 13 19-0134	EA		24" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	561.61	15.72
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	328.71	
<b>10 21 13 19-0135</b>			<b>Solid Phenolic Toilet Partitions And Urinal Screens</b> <small>(10 21 13 19)</small>		
			Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid phenolic (resin impregnated kraft paper) core with a high pressure decorative matte surface finish as an integral part of the core material. Includes Class B fire rating.		
<b>10 21 13 19-0136</b>			<b>Solid Phenolic Toilet Partitions</b> <small>(10 21 13 19-0135)</small>		
			Note: Includes all standard Bobrick colors.		
<b>10 21 13 19-0137</b>			<b>Floor Anchored, Solid Phenolic, Complete Toilet Partitions</b> <small>(10 21 13 19-0136)</small>		
10 21 13 19-0138	EA		36" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition.....	1,551.77	44.21
			<i>For &gt;10, Deduct</i>	-146.34	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	182.41	
			<i>For NFPA Class A, Add</i>	311.72	
10 21 13 19-0139	EA		60" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	1,924.44	48.14
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	182.41	
			<i>For NFPA Class A, Add</i>	388.73	
10 21 13 19-0140	EA		60" x 78", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,159.59	50.10
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	182.41	
			<i>For NFPA Class A, Add</i>	437.48	
<b>10 21 13 19-0141</b>			<b>Overhead Braced, Solid Phenolic, Complete Toilet Partitions</b> <small>(10 21 13 19-0136)</small>		
			Note: Includes headrail.		



<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
<b>Compartments And Cubicles</b>	<b>10 21</b>

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13 19-0142	EA	36" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,708.21 -160.02 182.41 341.43	54.03
10 21	13 19-0143	EA	60" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,096.15 182.41 421.64	57.97
10 21	13 19-0144	EA	60" x 78", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,342.93 182.41 472.84	59.92
10 21	13 19-0145		<b>Floor And Ceiling Anchored, Solid Phenolic, Complete Toilet Partitions</b> <small>(10 21 13 19-0136)</small> <i>Note: Excludes above ceiling steel.</i>		
10 21	13 19-0146	EA	36" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,740.36 -161.27 182.41 345.04	63.85
10 21	13 19-0147	EA	60" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,125.47 182.41 424.66	67.79
10 21	13 19-0148	EA	60" x 78", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,360.61 182.41 473.41	69.74
10 21	13 19-0149		<b>Ceiling Hung, Solid Phenolic, Complete Toilet Partitions</b> <small>(10 21 13 19-0136)</small> <i>Note: Excludes above ceiling steel.</i>		
10 21	13 19-0150	EA	36" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,685.37 -153.80 182.41 330.35	73.68
10 21	13 19-0151	EA	60" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,057.77 182.41 407.30	77.61
10 21	13 19-0152	EA	60" x 78", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,292.91 182.41 456.05	79.58
10 21	13 19-0153		<b>Solid Phenolic Urinal Screens</b> <small>(10 21 13 19-0135)</small> <i>Note: Includes all standard Bobrick colors.</i>		
10 21	13 19-0154		<b>Floor Anchored, Solid Phenolic, Urinal Screens</b> <small>(10 21 13 19-0153)</small>		
10 21	13 19-0155	EA	24" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	531.91 50.54 102.91	27.48
10 21	13 19-0156	EA	36" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	606.13 50.54 117.86	29.45
10 21	13 19-0157	EA	48" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	738.44 50.54 145.02	31.41
10 21	13 19-0158		<b>Wall Hung, Solid Phenolic, Urinal Screens</b> <small>(10 21 13 19-0153)</small>		
10 21	13 19-0159	EA	18" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	322.48 50.54 60.18	23.56
10 21	13 19-0160	EA	24" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	378.68 50.54 71.36	25.53
10 21	13 19-0161	EA	30" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	464.59 50.54 88.77	27.48
10 21	13 19-0162		<b>Wall Hung And Post Supported, Solid Phenolic, Urinal Screens</b> <small>(10 21 13 19-0153)</small>		
10 21	13 19-0163	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	322.82 50.54 59.63	25.53
10 21	13 19-0164	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	417.33 50.54 78.84	27.48
10 21	13 19-0165	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	495.76 50.54 94.69	29.45
10 21	13 19-0166		<b>Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screens</b> <small>(10 21 13 19-0153)</small>		



**10 Specialties****10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0167	EA		22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	555.47 50.54 108.48	25.53
10 21 13 19-0168	EA		36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	630.18 50.54 123.54	27.48
10 21 13 19-0169	EA		48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	765.12 50.54 151.25	29.45
10 21 13 19-0170			<b>Solid Phenolic Toilet Partition Doors, Panels And Pilasters</b> (10 21 13 19-0135) Note: Includes all standard Bobrick colors.		
10 21 13 19-0171			<b>Solid Phenolic, Toilet Partition Doors</b> (10 21 13 19-0170)		
10 21 13 19-0172	EA		24" x 58" x 3/4", Solid Phenolic, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	432.82 81.33 88.38	7.86
10 21 13 19-0173	EA		26" x 58" x 3/4", Solid Phenolic, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	448.51 81.33 91.67	7.86
10 21 13 19-0174	EA		30" x 58" x 3/4", Solid Phenolic, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	490.72 81.33 100.22	8.84
10 21 13 19-0175	EA		34" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	531.61 81.33 108.81	8.84
10 21 13 19-0176	EA		36" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	573.63 81.33 117.63	8.84
10 21 13 19-0177			<b>Solid Phenolic, Toilet Partition Panels</b> (10 21 13 19-0170)		
10 21 13 19-0178	EA		6" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	110.51 50.54 19.43	11.79
10 21 13 19-0179	EA		12" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	155.91 50.54 28.65	12.77
10 21 13 19-0180	EA		18" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	223.02 50.54 42.43	13.76
10 21 13 19-0181	EA		24" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	290.89 50.54 56.37	14.74
10 21 13 19-0182	EA		30" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	326.46 50.54 63.53	15.72
10 21 13 19-0183	EA		36" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	363.95 50.54 71.09	16.70
10 21 13 19-0184	EA		42" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	429.96 50.54 84.63	17.68
10 21 13 19-0185	EA		48" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	498.01 50.54 98.61	18.66
10 21 13 19-0186	EA		55" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	531.91 50.54 105.41	19.65
10 21 13 19-0187	EA		58" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	547.23 50.54 108.51	20.04
10 21 13 19-0188	EA		60" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	557.12 50.54 110.39	20.63
10 21 13 19-0189	EA		70" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	647.39 50.54 129.04	21.61
10 21 13 19-0190	EA		78" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	792.26 50.54 159.14	22.60
10 21 13 19-0191			<b>69" Long, Solid Phenolic, Toilet Partition Pilasters</b> (10 21 13 19-0170)		
10 21 13 19-0192	EA		Up To 4" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	199.43 23.46 50.54 39.99	5.89
10 21 13 19-0193	EA		5" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	229.28 26.94 50.54 45.95	6.87



<b>Specialties</b>	<b>10</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>	
<b>Compartments And Cubicles</b>	<b>10 21</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13 19-0194	EA	6" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	231.24 26.94 50.54 46.05	7.86
10 21	13 19-0195	EA	8" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	268.64 31.37 50.54 53.59	8.84
10 21	13 19-0196	EA	10" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	302.56 35.36 50.54 60.39	9.82
10 21	13 19-0197	EA	12" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	336.47 39.36 50.54 67.20	10.81
10 21	13 19-0198	EA	16" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	436.62 51.63 50.54 87.92	11.79
10 21	13 19-0199	EA	20" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	541.41 64.48 50.54 109.61	12.77
10 21	13 19-0200	EA	24" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	567.76 67.53 50.54 114.83	13.76
<b>10 21 13 19-0201 83" Long, Solid Phenolic, Toilet Partition Pilasters (10 21 13 19-0170)</b>					
10 21	13 19-0202	EA	Up To 4" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	220.34 26.07 50.54 44.39	5.89
10 21	13 19-0203	EA	5" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	258.33 30.57 50.54 52.05	6.87
10 21	13 19-0204	EA	6" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	260.29 30.57 50.54 52.15	7.86
10 21	13 19-0205	EA	8" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	302.33 35.58 50.54 60.66	8.84
10 21	13 19-0206	EA	10" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	342.06 40.30 50.54 68.69	9.82
10 21	13 19-0207	EA	12" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	382.09 45.06 50.54 76.78	10.81
10 21	13 19-0208	EA	16" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	504.59 60.13 50.54 102.19	11.79
10 21	13 19-0209	EA	20" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	605.03 72.44 50.54 122.97	12.77
10 21	13 19-0210	EA	24" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	635.45 75.99 50.54 129.04	13.76
<b>10 21 13 19-0211 96" To 120" Long, Solid Phenolic, Toilet Partition Pilasters (10 21 13 19-0170)</b>					
10 21	13 19-0212	EA	Up To 4" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	245.19 28.68 50.54 48.97	7.86
10 21	13 19-0213	EA	5" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	291.30 34.20 50.54 58.34	8.84
10 21	13 19-0214	EA	6" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	293.27 34.20 50.54 58.44	9.82

**10 Specialties****10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0215	EA		8" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	339.96	10.81
			<i>For 1" Pilaster, Add</i>	39.79	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	67.93	
10 21 13 19-0216	EA		10" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	385.50	11.79
			<i>For 1" Pilaster, Add</i>	45.24	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	77.18	
10 21 13 19-0217	EA		12" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	431.62	12.77
			<i>For 1" Pilaster, Add</i>	50.76	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	86.55	
10 21 13 19-0218	EA		16" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	576.47	13.76
			<i>For 1" Pilaster, Add</i>	68.62	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	116.66	
10 21 13 19-0219	EA		20" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	672.55	14.74
			<i>For 1" Pilaster, Add</i>	80.39	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	136.52	
10 21 13 19-0220	EA		24" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster.....	707.06	15.72
			<i>For 1" Pilaster, Add</i>	84.45	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
			<i>For NFPA Class A, Add</i>	143.45	
10 21 13 19-0221			<b>Solid Color Reinforced Composite Toilet Partitions And Urinal Screens</b> <small>(10 21 13 19-0221)</small>		
			Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid color reinforced composite core with a high pressure decorative matte surface finish as an integral part of the core material.		
10 21 13 19-0222			<b>Solid Color Reinforced Composite Toilet Partitions</b> <small>(10 21 13 19-0221)</small>		
			Note: Includes all standard Bobrick colors.		
10 21 13 19-0223			<b>Floor Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions</b> <small>(10 21 13 19-0222)</small>		
10 21 13 19-0224	EA		36" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition.....	1,727.37	44.21
			<i>For &gt;10, Deduct</i>	-163.90	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	182.41	
10 21 13 19-0225	EA		60" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,143.82	48.14
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	182.41	
10 21 13 19-0226	EA		60" x 78", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,406.71	50.10
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	182.41	
10 21 13 19-0227			<b>Overhead Braced, Solid Color Reinforced Composite, Complete Toilet Partitions</b> <small>(10 21 13 19-0222)</small>		
			Note: Includes headrail.		
10 21 13 19-0228	EA		36" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition.....	1,900.22	54.03
			<i>For &gt;10, Deduct</i>	-179.22	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	182.41	
10 21 13 19-0229	EA		60" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,333.78	57.97
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	182.41	
10 21 13 19-0230	EA		60" x 78", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,609.70	59.92
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	182.41	
10 21 13 19-0231			<b>Floor And Ceiling Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions</b> <small>(10 21 13 19-0222)</small>		
			Note: Excludes above ceiling steel.		
10 21 13 19-0232	EA		36" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition.....	1,933.88	63.85
			<i>For &gt;10, Deduct</i>	-180.62	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	182.41	
10 21 13 19-0233	EA		60" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,364.26	67.79
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	182.41	
10 21 13 19-0234	EA		60" x 78", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,627.14	69.74
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	182.41	
10 21 13 19-0235			<b>Ceiling Hung, Solid Color Reinforced Composite, Complete Toilet Partitions</b> <small>(10 21 13 19-0222)</small>		
			Note: Excludes above ceiling steel.		



<b>Specialties</b>	<b>10</b>	<b>10</b>
Interior Specialties	10 20	
Compartments And Cubicles	10 21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13 19-0236	EA	36" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i>	1,869.93 -172.26	73.68
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	182.41	
10 21	13 19-0237	EA	60" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	2,286.08 182.41	77.61
10 21	13 19-0238	EA	60" x 78", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	2,548.96 182.41	79.58
10 21	13 19-0239		<b>Solid Color Reinforced Composite Urinal Screens</b> <small>(10 21 13 19-0221)</small> Note: Includes all standard Bobrick colors.		
10 21	13 19-0240		<b>Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screens</b> <small>(10 21 13 19-0239)</small>		
10 21	13 19-0241	EA	24" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	589.14 50.54	27.48
10 21	13 19-0242	EA	36" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	671.80 50.54	29.45
10 21	13 19-0243	EA	48" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	819.51 50.54	31.41
10 21	13 19-0244		<b>Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screens</b> <small>(10 21 13 19-0239)</small>		
10 21	13 19-0245	EA	18" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	355.52 50.54	23.56
10 21	13 19-0246	EA	24" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	418.00 50.54	25.53
10 21	13 19-0247	EA	30" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	513.75 50.54	27.48
10 21	13 19-0248		<b>Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screens</b> <small>(10 21 13 19-0239)</small>		
10 21	13 19-0249	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	355.43 50.54	25.53
10 21	13 19-0250	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	460.81 50.54	27.48
10 21	13 19-0251	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	548.18 50.54	29.45
10 21	13 19-0252		<b>Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screens</b> <small>(10 21 13 19-0239)</small>		
10 21	13 19-0253	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	616.00 50.54	25.53
10 21	13 19-0254	EA	36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	699.20 50.54	27.48
10 21	13 19-0255	EA	48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	849.87 50.54	29.45
10 21	13 19-0256		<b>Solid Color Reinforced Composite Toilet Partition Doors, Panels And Pilasters</b> <small>(10 21 13 19-0221)</small>		
			Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0001 for other accessories.		
10 21	13 19-0257		<b>Solid Color Reinforced Composite, Toilet Partition Doors</b> <small>(10 21 13 19-0256)</small>		
10 21	13 19-0258	EA	24" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	482.88 81.33	7.86
10 21	13 19-0259	EA	26" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	500.44 81.33	7.86
10 21	13 19-0260	EA	30" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	547.48 81.33	8.84
10 21	13 19-0261	EA	34" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	593.28 81.33	8.84
10 21	13 19-0262	EA	36" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	640.34 81.33	8.84
10 21	13 19-0263		<b>Solid Color Reinforced Composite, Toilet Partition Panels</b> <small>(10 21 13 19-0256)</small>		
10 21	13 19-0264	EA	6" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	120.94 50.54	11.79
10 21	13 19-0265	EA	12" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	171.55 50.54	12.77
10 21	13 19-0266	EA	18" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	246.48 50.54	13.76

**10 Specialties****10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0267	EA		24" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	322.26	14.74
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
10 21 13 19-0268	EA		30" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	361.86	15.72
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
10 21 13 19-0269	EA		36" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	403.61	16.70
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
10 21 13 19-0270	EA		42" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	477.31	17.68
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
10 21 13 19-0271	EA		48" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	553.29	18.66
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
10 21 13 19-0272	EA		55" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	591.03	19.65
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
10 21 13 19-0273	EA		58" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	608.09	20.04
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
10 21 13 19-0274	EA		60" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	619.02	20.63
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
10 21 13 19-0275	EA		70" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	719.89	21.61
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
10 21 13 19-0276	EA		78" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel.....	881.91	22.60
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
<b>10 21 13 19-0277</b>			<b>69" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters <small>(10 21 13 19-0256)</small></b>		
10 21 13 19-0278	EA		Up To 4" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	221.95	5.89
			<i>For 1" Pilaster, Add</i>	26.27	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
10 21 13 19-0279	EA		5" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	255.15	6.87
			<i>For 1" Pilaster, Add</i>	30.17	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
10 21 13 19-0280	EA		6" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	257.11	7.86
			<i>For 1" Pilaster, Add</i>	30.17	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
10 21 13 19-0281	EA		8" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	298.75	8.84
			<i>For 1" Pilaster, Add</i>	35.13	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
10 21 13 19-0282	EA		10" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	336.51	9.82
			<i>For 1" Pilaster, Add</i>	39.61	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
10 21 13 19-0283	EA		12" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	374.25	10.81
			<i>For 1" Pilaster, Add</i>	44.08	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
10 21 13 19-0284	EA		16" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	486.18	11.79
			<i>For 1" Pilaster, Add</i>	57.83	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
10 21 13 19-0285	EA		20" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	603.31	12.77
			<i>For 1" Pilaster, Add</i>	72.22	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
10 21 13 19-0286	EA		24" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	632.59	13.76
			<i>For 1" Pilaster, Add</i>	75.64	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
<b>10 21 13 19-0287</b>			<b>83" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters <small>(10 21 13 19-0256)</small></b>		
10 21 13 19-0288	EA		Up To 4" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	245.37	5.89
			<i>For 1" Pilaster, Add</i>	29.20	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
10 21 13 19-0289	EA		5" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	287.68	6.87
			<i>For 1" Pilaster, Add</i>	34.24	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
10 21 13 19-0290	EA		6" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	289.64	7.86
			<i>For 1" Pilaster, Add</i>	34.24	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
10 21 13 19-0291	EA		8" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	336.49	8.84
			<i>For 1" Pilaster, Add</i>	39.85	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
10 21 13 19-0292	EA		10" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	380.75	9.82
			<i>For 1" Pilaster, Add</i>	45.14	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
10 21 13 19-0293	EA		12" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	425.34	10.81
			<i>For 1" Pilaster, Add</i>	50.47	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
10 21 13 19-0294	EA		16" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	562.31	11.79
			<i>For 1" Pilaster, Add</i>	67.34	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
10 21 13 19-0295	EA		20" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	674.57	12.77
			<i>For 1" Pilaster, Add</i>	81.13	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
10 21 13 19-0296	EA		24" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	708.40	13.76
			<i>For 1" Pilaster, Add</i>	85.11	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	



<b>Specialties</b>	<b>10</b>	<b>10</b>
Interior Specialties	10 20	
Compartments And Cubicles	10 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>10 21 13 19-0297 96" To 120" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters</b> <small>(10 21 13 19-0296)</small>		
10 21 13 19-0298 EA Up To 4" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster.....	272.72	7.86
For 1" Pilaster, Add	32.13	
For Heavy Gauge Full-Height SS Brackets, Add	50.54	
10 21 13 19-0299 EA 5" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	324.13	8.84
For 1" Pilaster, Add	38.31	
For Heavy Gauge Full-Height SS Brackets, Add	50.54	
10 21 13 19-0300 EA 6" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	326.10	9.82
For 1" Pilaster, Add	38.31	
For Heavy Gauge Full-Height SS Brackets, Add	50.54	
10 21 13 19-0301 EA 8" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	378.16	10.81
For 1" Pilaster, Add	44.57	
For Heavy Gauge Full-Height SS Brackets, Add	50.54	
10 21 13 19-0302 EA 10" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	428.93	11.79
For 1" Pilaster, Add	50.67	
For Heavy Gauge Full-Height SS Brackets, Add	50.54	
10 21 13 19-0303 EA 12" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	480.34	12.77
For 1" Pilaster, Add	56.85	
For Heavy Gauge Full-Height SS Brackets, Add	50.54	
10 21 13 19-0304 EA 16" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	642.35	13.76
For 1" Pilaster, Add	76.86	
For Heavy Gauge Full-Height SS Brackets, Add	50.54	
10 21 13 19-0305 EA 20" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	749.72	14.74
For 1" Pilaster, Add	90.03	
For Heavy Gauge Full-Height SS Brackets, Add	50.54	
10 21 13 19-0306 EA 24" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster .....	788.13	15.72
For 1" Pilaster, Add	94.59	
For Heavy Gauge Full-Height SS Brackets, Add	50.54	
<b>10 21 13 19-0307 Solid Polyester (Corian) Toilet Partitions And Urinal Screens</b> <small>(10 21 13 19)</small>		
Note: Complete toilet partitions for corner installations. Includes 1/2" door (1" at edge), 1" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Produced or cast by combining unsaturated polyester resin with a combination of fillers, pigments and catalysts.		
<b>10 21 13 19-0308 Solid Polyester (Corian) Toilet Partitions</b> <small>(10 21 13 19-0307)</small>		
Note: Small particulate finish.		
<b>10 21 13 19-0309 Floor Anchored, Solid Polyester (Corian), Complete Toilet Partitions</b> <small>(10 21 13 19-0308)</small>		
10 21 13 19-0310 EA 36" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	2,733.39	44.21
For >10, Deduct	-264.50	
For Solid Color Material (No Particulate), Deduct	-608.34	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	182.41	
10 21 13 19-0311 EA 60" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	3,310.01	48.14
For Solid Color Material (No Particulate), Deduct	-739.16	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	182.41	
10 21 13 19-0312 EA 60" x 78", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	3,676.34	50.10
For Solid Color Material (No Particulate), Deduct	-822.51	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	182.41	
<b>10 21 13 19-0313 Overhead Braced, Solid Polyester (Corian), Complete Toilet Partitions</b> <small>(10 21 13 19-0308)</small>		
10 21 13 19-0314 EA 36" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	2,825.08	54.03
For >10, Deduct	-271.70	
For Solid Color Material (No Particulate), Deduct	-624.91	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	182.41	
10 21 13 19-0315 EA 60" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	3,733.97	57.97
For Solid Color Material (No Particulate), Deduct	-832.15	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	182.41	
10 21 13 19-0316 EA 60" x 78", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	4,140.87	59.92
For Solid Color Material (No Particulate), Deduct	-924.83	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	182.41	
<b>10 21 13 19-0317 Floor And Ceiling Anchored, Solid Polyester (Corian), Complete Toilet Partitions</b> <small>(10 21 13 19-0308)</small>		
Note: Excludes above ceiling steel.		
10 21 13 19-0318 EA 36" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	3,158.99	63.85
For >10, Deduct	-303.13	
For Solid Color Material (No Particulate), Deduct	-697.19	
For Heavy Gauge Full-Height SS Hinges And Brackets, Add	182.41	

**10 Specialties****10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0319	EA		60" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	4,273.58	67.79
			<i>For Solid Color Material (No Particulate), Deduct</i>	-951.74	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	182.41	
10 21 13 19-0320	EA		60" x 78", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	4,680.16	69.74
			<i>For Solid Color Material (No Particulate), Deduct</i>	-1,044.35	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	182.41	
<b>10 21 13 19-0321</b>			<b>Ceiling Hung, Solid Polyester (Corian), Complete Toilet Partitions</b> <small>(10 21 13 19-0306)</small>		
			Note: Excludes above ceiling steel.		
10 21 13 19-0322	EA		36" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition.....	3,174.75	73.68
			<i>For &gt;10, Deduct</i>	-302.74	
			<i>For Solid Color Material (No Particulate), Deduct</i>	-696.30	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	182.41	
10 21 13 19-0323	EA		60" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	4,083.96	77.61
			<i>For Solid Color Material (No Particulate), Deduct</i>	-903.61	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	182.41	
10 21 13 19-0324	EA		60" x 78", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	4,490.54	79.58
			<i>For Solid Color Material (No Particulate), Deduct</i>	-996.22	
			<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	182.41	
<b>10 21 13 19-0325</b>			<b>Solid Polyester (Corian) Urinal Screens</b> <small>(10 21 13 19-0307)</small>		
<b>10 21 13 19-0326</b>			<b>Floor Anchored, Solid Polyester (Corian), Urinal Screens</b> <small>(10 21 13 19-0325)</small>		
10 21 13 19-0327	EA		24" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen.....	727.75	27.48
			<i>For Solid Color Material (No Particulate), Deduct</i>	-154.74	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
10 21 13 19-0328	EA		36" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen.....	973.28	29.45
			<i>For Solid Color Material (No Particulate), Deduct</i>	-210.31	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
10 21 13 19-0329	EA		48" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen.....	1,218.80	31.41
			<i>For Solid Color Material (No Particulate), Deduct</i>	-265.88	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
<b>10 21 13 19-0330</b>			<b>Wall Hung, Solid Polyester (Corian), Urinal Screens</b> <small>(10 21 13 19-0325)</small>		
10 21 13 19-0331	EA		18" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen.....	356.12	23.56
			<i>For Solid Color Material (No Particulate), Deduct</i>	-71.07	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
10 21 13 19-0332	EA		24" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen.....	463.05	25.53
			<i>For Solid Color Material (No Particulate), Deduct</i>	-94.76	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
10 21 13 19-0333	EA		30" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen.....	569.98	27.48
			<i>For Solid Color Material (No Particulate), Deduct</i>	-118.45	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
<b>10 21 13 19-0334</b>			<b>Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screens</b> <small>(10 21 13 19-0325)</small>		
10 21 13 19-0335	EA		18" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen.....	474.91	25.53
			<i>For Solid Color Material (No Particulate), Deduct</i>	-97.49	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
10 21 13 19-0336	EA		24" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen.....	599.64	27.48
			<i>For Solid Color Material (No Particulate), Deduct</i>	-125.27	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
10 21 13 19-0337	EA		30" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen.....	724.36	29.45
			<i>For Solid Color Material (No Particulate), Deduct</i>	-153.06	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
<b>10 21 13 19-0338</b>			<b>Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screens</b> <small>(10 21 13 19-0325)</small>		
10 21 13 19-0339	EA		22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen.....	750.15	25.53
			<i>For Solid Color Material (No Particulate), Deduct</i>	-160.80	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
10 21 13 19-0340	EA		34" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen.....	995.68	27.48
			<i>For Solid Color Material (No Particulate), Deduct</i>	-216.36	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
10 21 13 19-0341	EA		46" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen.....	1,241.21	29.45
			<i>For Solid Color Material (No Particulate), Deduct</i>	-271.93	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	50.54	
<b>10 21 13 19-0342</b>			<b>Solid Polyester (Corian) Toilet Partition Doors, Panels And Pilasters</b> <small>(10 21 13 19-0307)</small>		
<b>10 21 13 19-0343</b>			<b>Solid Polyester (Corian), Toilet Partition Doors</b> <small>(10 21 13 19-0342)</small>		
10 21 13 19-0344	EA		24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door.....	599.57	7.86
			<i>For Solid Color Material (No Particulate), Deduct</i>	-134.29	
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	81.33	



<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
<b>Compartments And Cubicles</b>	<b>10 21</b>

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0345 EA 26" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	641.30 -143.88 81.33	7.86
10 21 13 19-0346 EA 30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	731.51 -164.18 81.33	8.84
10 21 13 19-0347 EA 34" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	817.62 -183.99 81.33	8.84
10 21 13 19-0348 EA 36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	855.09 -192.60 81.33	8.84
<b>10 21 13 19-0349 Solid Polyester (Corian), Toilet Partition Panels</b> <small>(10 21 13 19-0342)</small>		
10 21 13 19-0350 EA 6" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	144.37 -27.78 50.54	11.79
10 21 13 19-0351 EA 12" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	267.15 -55.57 50.54	12.77
10 21 13 19-0352 EA 18" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	389.89 -83.35 50.54	13.76
10 21 13 19-0353 EA 24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	512.67 -111.14 50.54	14.74
10 21 13 19-0354 EA 30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	635.43 -138.92 50.54	15.72
10 21 13 19-0355 EA 36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	758.18 -166.70 50.54	16.70
10 21 13 19-0356 EA 42" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	880.96 -194.49 50.54	17.68
10 21 13 19-0357 EA 48" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,003.72 -222.27 50.54	18.66
10 21 13 19-0358 EA 55" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,146.60 -254.68 50.54	19.65
10 21 13 19-0359 EA 58" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,207.80 -268.58 50.54	20.04
10 21 13 19-0360 EA 60" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,249.24 -277.84 50.54	20.63
10 21 13 19-0361 EA 70" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,452.53 -324.14 50.54	21.61
10 21 13 19-0362 EA 78" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,615.56 -361.19 50.54	22.60
<b>10 21 13 19-0363 72" Long, Solid Polyester (Corian), Toilet Partition Pilasters</b> <small>(10 21 13 19-0342)</small>		
10 21 13 19-0364 EA Up To 4" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	201.37 -43.60 50.54	5.89
10 21 13 19-0365 EA 5" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	250.74 -54.51 50.54	6.87
10 21 13 19-0366 EA 6" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	300.10 -65.41 50.54	7.86
10 21 13 19-0367 EA 8" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	396.86 -87.21 50.54	8.84
10 21 13 19-0368 EA 10" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	493.63 -109.02 50.54	9.82
10 21 13 19-0369 EA 12" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	590.38 -130.82 50.54	10.81
10 21 13 19-0370 EA 18" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	876.72 -196.22 50.54	11.79
10 21 13 19-0371 EA 22" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,068.29 -239.83 50.54	12.77
10 21 13 19-0372 EA 24" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,165.03 -261.63 50.54	13.76



**10 Specialties****10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0373			<b>82" Long, Solid Polyester (Corian), Toilet Partition Pilasters</b> <small>(10 21 13 19-0342)</small>		
10 21 13 19-0374	EA		Up To 4" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster ..... 227.70		5.89
			<i>For Solid Color Material (No Particulate), Deduct</i> ..... -49.66		
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> ..... 50.54		
10 21 13 19-0375	EA		5" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster ..... 283.67		6.87
			<i>For Solid Color Material (No Particulate), Deduct</i> ..... -62.08		
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> ..... 50.54		
10 21 13 19-0376	EA		6" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster ..... 333.43		7.86
			<i>For Solid Color Material (No Particulate), Deduct</i> ..... -73.07		
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> ..... 50.54		
10 21 13 19-0377	EA		8" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster ..... 457.75		8.84
			<i>For Solid Color Material (No Particulate), Deduct</i> ..... -101.22		
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> ..... 50.54		
10 21 13 19-0378	EA		10" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster ..... 559.45		9.82
			<i>For Solid Color Material (No Particulate), Deduct</i> ..... -124.15		
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> ..... 50.54		
10 21 13 19-0379	EA		12" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster ..... 669.37		10.81
			<i>For Solid Color Material (No Particulate), Deduct</i> ..... -148.98		
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> ..... 50.54		
10 21 13 19-0380	EA		18" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster ..... 995.22		11.79
			<i>For Solid Color Material (No Particulate), Deduct</i> ..... -223.48		
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> ..... 50.54		
10 21 13 19-0381	EA		22" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster ..... 1,213.12		12.77
			<i>For Solid Color Material (No Particulate), Deduct</i> ..... -273.14		
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> ..... 50.54		
10 21 13 19-0382	EA		24" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster ..... 1,323.03		13.76
			<i>For Solid Color Material (No Particulate), Deduct</i> ..... -297.97		
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> ..... 50.54		
10 21 13 19-0383			<b>96" To 120" Long, Solid Polyester (Corian), Toilet Partition Pilasters</b> <small>(10 21 13 19-0342)</small>		
10 21 13 19-0384	EA		Up To 4" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster ..... 300.10		7.86
			<i>For Solid Color Material (No Particulate), Deduct</i> ..... -65.41		
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> ..... 50.54		
10 21 13 19-0385	EA		5" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster ..... 373.16		8.84
			<i>For Solid Color Material (No Particulate), Deduct</i> ..... -81.76		
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> ..... 50.54		
10 21 13 19-0386	EA		6" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster ..... 446.23		9.82
			<i>For Solid Color Material (No Particulate), Deduct</i> ..... -98.11		
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> ..... 50.54		
10 21 13 19-0387	EA		8" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster ..... 590.38		10.81
			<i>For Solid Color Material (No Particulate), Deduct</i> ..... -130.82		
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> ..... 50.54		
10 21 13 19-0388	EA		10" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster ..... 734.54		11.79
			<i>For Solid Color Material (No Particulate), Deduct</i> ..... -163.52		
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> ..... 50.54		
10 21 13 19-0389	EA		12" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster ..... 878.69		12.77
			<i>For Solid Color Material (No Particulate), Deduct</i> ..... -196.22		
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> ..... 50.54		
10 21 13 19-0390	EA		18" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster ..... 1,307.22		13.76
			<i>For Solid Color Material (No Particulate), Deduct</i> ..... -294.34		
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> ..... 50.54		
10 21 13 19-0391	EA		22" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster ..... 1,593.58		14.74
			<i>For Solid Color Material (No Particulate), Deduct</i> ..... -359.75		
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> ..... 50.54		
10 21 13 19-0392	EA		24" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster ..... 1,737.74		15.72
			<i>For Solid Color Material (No Particulate), Deduct</i> ..... -392.45		
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i> ..... 50.54		
10 21 13 43			<b>Compartments and Cubicles Common Accessories</b> <small>(10 21 13)</small>		
10 21 13 43-0001			<b>Accessories</b> <small>(10 21 13 43)</small>		
10 21 13 43-0002	LF		Extruded Aluminum Headrails For Toilet Partitions And Urinal Screens ..... 8.50		0.79
10 21 13 43-0003	LF		Stainless Steel Headrails For Toilet Partitions And Urinal Screens ..... 12.69		0.79
10 21 13 43-0004	EA		Replacement 1-1/2" x 58" Stainless Steel Wall Posts ..... 73.33		
10 21 13 43-0005	EA		Replacement 58" Aluminum Wall U Bracket ..... 44.05		
10 21 13 43-0006	EA		Replacement 58" Aluminum Wall Two Ear Bracket ..... 74.12		
10 21 13 43-0007	EA		Replacement 54" Stainless Steel Wall U Bracket ..... 55.02		
10 21 13 43-0008	EA		Replacement 54" Stainless Steel Wall Two Ear Bracket ..... 141.34		
10 21 13 43-0009	EA		Replacement 54" Plastic Wall Two Ear Bracket, All Colors ..... 97.83		
10 21 13 43-0010	EA		Replacement 57-1/2" Stainless Steel Hinge ..... 83.67		
10 21 16			<b>Shower And Dressing Compartments</b> <small>(10 21)</small>		
10 21 16 17			<b>Phenolic-Core Shower and Dressing Compartments</b> <small>(10 21 16)</small>		
10 21 16 17-0001			<b>Shower Dividers</b> <small>(10 21 16 17)</small>		



<b>Specialties</b>	<b>10</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>	
<b>Compartments And Cubicles</b>	<b>10 21</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>10 21 16 17-0002 Solid Phenolic Core Laminated Plastic, Shower Dividers</b> <small>(10 21 16 17-0001)</small>		
Note: Cut to height in field. Panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels.		
10 21 16 17-0003 EA 18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider ..... <i>For 66" High Panels, Add</i>	563.45 69.78	49.12
10 21 16 17-0004 EA 24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider ..... <i>For 66" High Panels, Add</i>	726.38 93.04	53.05
10 21 16 17-0005 EA 36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider ..... <i>For 66" High Panels, Add</i>	959.70 126.27	58.95
10 21 16 17-0006 EA 48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider ..... <i>For 66" High Panels, Add</i>	1,134.41 149.53	68.77
10 21 16 17-0007 EA 57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider ..... <i>For 66" High Panels, Add</i>	1,309.13 172.79	78.59
<b>10 21 16 17-0008 Solid Phenolic Core Laminated Plastic, Shower Dividers With Headrail And Curtain Track</b> <small>(10 21 16 17-0001)</small>		
Note: Cut to height in field. Panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels. Includes 3/4" stiles, 85" from floor to top of headrail. Headrail 4" wide. All stainless steel shoes and stainless steel fittings. Leveling devices are chromate treated double zinc plated steel. Overhead braced designed with concealed curtain tracks and hooks in headrail.		
10 21 16 17-0009 EA 18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track ..... <i>For 66" High Panels, Add</i> <i>For 6" Wide Head Rail, Add</i> <i>For 8" Wide Head Rail, Add</i> <i>For 10" Wide Head Rail, Add</i> <i>For 12" Wide Head Rail, Add</i> <i>For 18" Wide, 1/2" Thick Bench, Add</i> <i>For 24" Wide, 1/2" Thick Bench, Add</i>	1,427.97 205.56 39.39 53.67 66.22 79.64 102.27 142.27	86.33
10 21 16 17-0010 EA 24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track ..... <i>For 66" High Panels, Add</i> <i>For 6" Wide Head Rail, Add</i> <i>For 8" Wide Head Rail, Add</i> <i>For 10" Wide Head Rail, Add</i> <i>For 12" Wide Head Rail, Add</i> <i>For 18" Wide, 1/2" Thick Bench, Add</i> <i>For 24" Wide, 1/2" Thick Bench, Add</i>	1,788.47 258.84 49.88 67.77 83.77 100.71 103.86 143.86	94.27
10 21 16 17-0011 EA 36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track ..... <i>For 66" High Panels, Add</i> <i>For 6" Wide Head Rail, Add</i> <i>For 8" Wide Head Rail, Add</i> <i>For 10" Wide Head Rail, Add</i> <i>For 12" Wide Head Rail, Add</i> <i>For 18" Wide, 1/2" Thick Bench, Add</i> <i>For 24" Wide, 1/2" Thick Bench, Add</i>	2,292.69 333.88 64.77 87.70 108.62 130.54 105.05 145.05	100.25
10 21 16 17-0012 EA 48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track ..... <i>For 66" High Panels, Add</i> <i>For 6" Wide Head Rail, Add</i> <i>For 8" Wide Head Rail, Add</i> <i>For 10" Wide Head Rail, Add</i> <i>For 12" Wide Head Rail, Add</i> <i>For 18" Wide, 1/2" Thick Bench, Add</i> <i>For 24" Wide, 1/2" Thick Bench, Add</i>	2,439.58 354.72 68.70 93.10 115.25 138.52 107.43 147.43	112.15
10 21 16 17-0013 EA 57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track ..... <i>For 66" High Panels, Add</i> <i>For 6" Wide Head Rail, Add</i> <i>For 8" Wide Head Rail, Add</i> <i>For 10" Wide Head Rail, Add</i> <i>For 12" Wide Head Rail, Add</i> <i>For 18" Wide, 1/2" Thick Bench, Add</i> <i>For 24" Wide, 1/2" Thick Bench, Add</i>	2,803.64 408.36 79.23 107.27 132.87 159.69 109.38 149.38	121.89
<b>10 21 23 Cubicle Curtains And Track</b> <small>(10 21)</small>		
<b>10 21 23 13 Cubicle Curtains</b> <small>(10 21 23)</small>		
<b>10 21 23 13-0001 Hospital Curtains With Nylon Mesh Tops</b> <small>(10 21 23 13)</small>		
10 21 23 13-0002 LF 84" High, Fire Resistant Polyester, Hospital Cubicle Curtain.....	14.79	0.34
10 21 23 13-0003 LF 90" High, Fire Resistant Polyester, Hospital Cubicle Curtain.....	15.74	0.34
10 21 23 13-0004 LF 96" High, Fire Resistant Polyester, Hospital Cubicle Curtain.....	16.93	0.34
10 21 23 13-0005 LF 102" High, Fire Resistant Polyester, Hospital Cubicle Curtain.....	17.89	0.34
10 21 23 13-0006 LF 108" High, Fire Resistant Polyester, Hospital Cubicle Curtain.....	18.85	0.34
10 21 23 13-0007 LF 120" High, Fire Resistant Polyester, Hospital Cubicle Curtain.....	20.69	0.34
<b>10 21 23 16 Cubicle Track And Hardware</b> <small>(10 21 23)</small>		
<b>10 21 23 16-0001 Hospital Cubicle Curtain Channel Track</b> <small>(10 21 23 16)</small>		
Note: Track is extruded aluminum. Includes curved sections, carrier rollers and all fittings.		
10 21 23 16-0002 LF Flush Mounted, Aluminum, Hospital Cubicle Curtain Channel Track.....	11.11	1.78
10 21 23 16-0003 LF Suspended, Aluminum, Hospital Cubicle Curtain Channel Track.....	18.37	1.96

**10 Specialties****10 20 Interior Specialties****10 21 Compartments And Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 23 16-0004			<b>Hospital IV Tracks</b> <small>(10 21 23 16)</small>		
10 21 23 16-0005	LF		Oval Hospital Partition IV Track.....	18.54	1.13
10 21 23 16-0006	EA		Hospital Partition IV Trolley.....	105.82	4.68
10 21 23 16-0007	EA		5 Hook Tree, Hospital Partition IV Pendant.....	478.34	4.68
<b>10 22</b>			<b>Partitions</b> <small>(10 20)</small>		
<b>10 22 13</b>			<b>Wire Mesh Partitions</b> <small>(10 22)</small>		
<b>10 22 13 00-0001</b>			<b>Wall Panels</b> <small>(10 22 13)</small>		
			Note: Includes steel frame and posts. Posts bolted to floor.		
10 22 13 00-0002	SF		Wire Mesh Wall Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts.....	9.71	0.49
			<i>For 5' Wide Panels, Add</i>	0.44	
10 22 13 00-0003	SF		Wire Mesh Wall Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts.....	10.65	0.59
			<i>For 5' Wide Panels, Add</i>	0.47	
10 22 13 00-0004	SF		Wire Mesh Wall Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts.....	11.92	0.69
			<i>For 5' Wide Panels, Add</i>	0.53	
<b>10 22 13 00-0005</b>			<b>Ceiling Panels</b> <small>(10 22 13)</small>		
			Note: Includes steel frame.		
10 22 13 00-0006	SF		Wire Mesh Ceiling Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts.....	9.89	0.59
10 22 13 00-0007	SF		Wire Mesh Ceiling Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts.....	10.83	0.69
10 22 13 00-0008	SF		Wire Mesh Ceiling Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts.....	11.93	0.79
<b>10 22 13 00-0009</b>			<b>Sliding Doors</b> <small>(10 22 13)</small>		
			Note: Includes padlocks lugs and/or provisions for cylinder lock.		
10 22 13 00-0010	EA		4' x 8' Sliding Door, 10 Gauge With Cylinder Lock.....	779.76	103.15
			<i>For 8 Gauge, Add</i>	96.33	
			<i>For 6 Gauge, Add</i>	192.67	
10 22 13 00-0011	EA		4' x 10' Sliding Door, 10 Gauge With Cylinder Lock.....	809.16	113.95
			<i>For 8 Gauge, Add</i>	98.58	
			<i>For 6 Gauge, Add</i>	197.16	
10 22 13 00-0012	EA		5' x 8' Sliding Door, 10 Gauge With Cylinder Lock.....	900.59	117.89
			<i>For 8 Gauge, Add</i>	111.51	
			<i>For 6 Gauge, Add</i>	223.02	
10 22 13 00-0013	EA		5' x 10' Sliding Door, 10 Gauge With Cylinder Lock.....	984.39	127.71
			<i>For 8 Gauge, Add</i>	122.12	
			<i>For 6 Gauge, Add</i>	244.23	
10 22 13 00-0014	EA		6' x 8' Sliding Door, 10 Gauge With Cylinder Lock.....	1,009.83	135.57
			<i>For 8 Gauge, Add</i>	124.36	
			<i>For 6 Gauge, Add</i>	248.72	
10 22 13 00-0015	EA		6' x 10' Sliding Door, 10 Gauge With Cylinder Lock.....	1,124.69	143.43
			<i>For 8 Gauge, Add</i>	140.02	
			<i>For 6 Gauge, Add</i>	280.04	
10 22 13 00-0016	EA		8' x 8' Sliding Door, 10 Gauge With Cylinder Lock.....	1,208.51	154.24
			<i>For 8 Gauge, Add</i>	150.43	
			<i>For 6 Gauge, Add</i>	300.86	
10 22 13 00-0017	EA		8' x 10' Sliding Door, 10 Gauge With Cylinder Lock.....	1,331.12	161.11
			<i>For 8 Gauge, Add</i>	167.45	
			<i>For 6 Gauge, Add</i>	334.89	
10 22 13 00-0018	EA		10' x 8' Sliding Door, 10 Gauge With Cylinder Lock.....	1,337.04	165.05
			<i>For 8 Gauge, Add</i>	167.55	
			<i>For 6 Gauge, Add</i>	335.10	
10 22 13 00-0019	EA		10' x 10' Sliding Door, 10 Gauge With Cylinder Lock.....	1,492.76	174.87
			<i>For 8 Gauge, Add</i>	188.94	
			<i>For 6 Gauge, Add</i>	377.88	
<b>10 22 13 00-0020</b>			<b>Swing Doors</b> <small>(10 22 13)</small>		
<b>10 22 13 00-0021</b>			<b>Single Swing Door</b> <small>(10 22 13 00-0020)</small>		
10 22 13 00-0022	EA		3' x 7' Swing Door, 10 Gauge With Cylinder Lock.....	545.04	60.91
			<i>For 8 Gauge, Add</i>	68.66	
			<i>For 6 Gauge, Add</i>	137.32	
10 22 13 00-0023	EA		3' x 8' Swing Door, 10 Gauge With Cylinder Lock.....	590.47	68.77
			<i>For 8 Gauge, Add</i>	74.82	
			<i>For 6 Gauge, Add</i>	149.64	
10 22 13 00-0024	EA		3' x 9' Swing Door, 10 Gauge With Cylinder Lock.....	635.26	72.69
			<i>For 8 Gauge, Add</i>	80.75	
			<i>For 6 Gauge, Add</i>	161.50	
10 22 13 00-0025	EA		4' x 7' Swing Door, 10 Gauge With Cylinder Lock.....	610.12	78.59
			<i>For 8 Gauge, Add</i>	75.80	
			<i>For 6 Gauge, Add</i>	151.60	
10 22 13 00-0026	EA		4' x 8' Swing Door, 10 Gauge With Cylinder Lock.....	656.86	82.52
			<i>For 8 Gauge, Add</i>	82.02	
			<i>For 6 Gauge, Add</i>	164.05	
10 22 13 00-0027	EA		4' x 9' Swing Door, 10 Gauge With Cylinder Lock.....	685.80	86.45
			<i>For 8 Gauge, Add</i>	85.58	
			<i>For 6 Gauge, Add</i>	171.16	



<b>Specialties</b>	<b>10</b>	<b>10</b>
Interior Specialties	10 20	
Partitions	10 22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 13 00-0028	EA		4' x 7' Dutch Door, 10 Gauge With Cylinder Lock <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	862.94 113.72 227.45	78.59
10 22 13 00-0029	EA		4' x 8' Dutch Door, 10 Gauge With Cylinder Lock <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	917.62 121.14 242.28	82.52
<b>10 22 13 00-0030</b>			<b>Double Swing Doors</b> <small>(10 22 13 00-0020)</small>		
10 22 13 00-0031	EA		6' x 7' Double Swing Door, 10 Gauge With Cylinder Lock <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	874.91 111.59 223.18	98.24
10 22 13 00-0032	EA		6' x 8' Double Swing Door, 10 Gauge With Cylinder Lock <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	886.70 112.18 224.36	104.13
10 22 13 00-0033	EA		6' x 9' Double Swing Door, 10 Gauge With Cylinder Lock <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,298.93 172.83 345.67	110.03
10 22 13 00-0034	EA		8' x 7' Double Swing Door, 10 Gauge With Cylinder Lock <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	914.20 113.55 227.11	117.89
10 22 13 00-0035	EA		8' x 8' Double Swing Door, 10 Gauge With Cylinder Lock <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	925.99 114.14 228.29	123.78
10 22 13 00-0036	EA		8' x 9' Double Swing Door, 10 Gauge With Cylinder Lock <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,338.23 174.80 349.60	129.68
<b>10 22 13 00-0037</b>			<b>Dutch Doors</b> <small>(10 22 13)</small> Note: Includes padlocks lugs and/or provisions for cylinder lock.		
10 22 13 00-0038	EA		3' x 7' Dutch Door, 10 Gauge With Cylinder Lock <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	794.26 106.04 212.08	60.91
10 22 13 00-0039	EA		3' x 8' Dutch Door, 10 Gauge With Cylinder Lock <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	844.13 112.87 225.73	68.77
10 22 13 00-0040	EA		3' x 9' Dutch Door, 10 Gauge With Cylinder Lock <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	864.28 115.10 230.21	72.69
10 22 13 00-0041	EA		3' x 10' Dutch Door, 10 Gauge With Cylinder Lock <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	896.22 117.93 235.86	82.52
<b>10 22 19</b>			<b>Demountable Partitions</b> <small>(10 22)</small>		
<b>10 22 19 13</b>			<b>Demountable Metal Partitions</b> <small>(10 22 19)</small>		
10 22 19 13-0001	LF		9' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick <i>For &gt;9, Add 14.31</i>	114.48	6.25
10 22 19 13-0002	LF		7' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick <i>For &gt;9, Add 12.72</i>	101.79	4.98
10 22 19 13-0003	LF		5' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick <i>For &gt;9, Add 11.14</i>	89.09	3.75
10 22 19 13-0004	LF		9' High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panel, 48" Wide, Backed Enamel <i>For &gt;9, Add 15.33</i>	122.65	4.98
10 22 19 13-0005	LF		9' High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panels, 48" Wide, Fabric <i>For &gt;9, Add 22.92</i>	183.33	5.35
<b>10 22 19 43</b>			<b>Demountable Composite Partitions</b> <small>(10 22 19)</small>		
10 22 19 43-0001	LF		Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Vinyl Clad <i>For &gt;9, Add 23.23</i>	185.80	6.25
10 22 19 43-0002	LF		Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Fabric Clad <i>For &gt;9, Add 29.42</i>	235.39	6.81
10 22 19 43-0003	SF		Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick <i>For Acoustical Partitions, Add</i>	40.06 3.82	0.93
10 22 19 43-0004	SF		Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick <i>For Acoustical Partitions, Add</i>	49.00 4.59	1.57
10 22 19 43-0005	SF		Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick <i>For Acoustical Partitions, Add</i>	42.73 4.08	0.97
10 22 19 43-0006	SF		Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick <i>For Acoustical Partitions, Add</i>	61.31 5.87	1.35
<b>10 22 19 53</b>			<b>Demountable Gypsum Partitions</b> <small>(10 22 19)</small>		
10 22 19 53-0001	LF		9' High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Vinyl Clad <i>For &gt;9, Add 8.07</i>	64.52	6.25
10 22 19 53-0002	LF		9' High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Fabric Clad <i>For &gt;9, Add 14.88</i>	119.03	6.81

**10 Specialties****10 20 Interior Specialties****10 22 Partitions**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 19 53-0003	LF		9' High Demountable Partition Gypsum System, 2" To 2.5", Steel Standard, 3" To 3-3/4" Thick, Steel Clad .....	127.67	7.48
			<i>For &gt;9, Add 15.96</i>		
10 22 19 53-0004	LF		9' High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Vinyl Clad.....	147.56	6.25
			<i>For &gt;9, Add 18.45</i>		
10 22 19 53-0005	LF		9' High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Fabric Clad.....	255.77	6.81
			<i>For &gt;9, Add 31.97</i>		

**10 22 23 Portable Partitions, Screens, And Panels (10 22)**

Note: Cubicle prices include standard units, standard height glass and glazing. For 25 percent and 50 percent glass 1/4" plate glass is used. For 100 percent glass 1/4" tempered plate is used.

**10 22 23 23 Movable Panel Systems (10 22 23)****10 22 23 23-0001 Portable Partitions (10 22 23 23)**

10 22 23 23-0002	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 4' High .....	248.18	3.00
10 22 23 23-0003	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 5' High .....	264.13	3.33
10 22 23 23-0004	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 6' High .....	313.90	4.00
10 22 23 23-0005	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 4' High .....	184.42	1.73
10 22 23 23-0006	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 5' High .....	195.19	1.98
10 22 23 23-0007	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 6' High .....	218.93	2.40
10 22 23 23-0008	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 6'-0" Long, 5' High .....	187.25	1.84
10 22 23 23-0009	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 5' High .....	332.96	3.33
10 22 23 23-0010	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 6' High .....	364.89	4.00
10 22 23 23-0011	LF	Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 5' High .....	193.19	2.29
10 22 23 23-0012	LF	Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 6' High .....	219.48	2.66
10 22 23 23-0013	LF	Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 5' High .....	177.34	1.98
10 22 23 23-0014	LF	Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 6' High .....	198.54	2.40
10 22 23 23-0015	LF	Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 5' High .....	294.72	3.33
10 22 23 23-0016	LF	Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 6' High.....	331.75	4.00
10 22 23 23-0017	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 5' High .....	299.82	3.33
10 22 23 23-0018	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 6' High .....	364.89	4.00
10 22 23 23-0019	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 5' High .....	233.43	1.98
10 22 23 23-0020	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 6' High .....	262.27	2.40
10 22 23 23-0021	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 5' High .....	247.16	1.84
10 22 23 23-0022	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 6' High .....	294.96	2.17
10 22 23 23-0023	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 5' High .....	139.65	2.29
10 22 23 23-0024	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 6' High .....	164.67	2.66
10 22 23 23-0025	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 5'-0" Long, 6' High .....	148.83	2.40
10 22 23 23-0026	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 6'-0" Long, 5' High .....	108.22	1.84
10 22 23 23-0027	LF	Partitions, Portable, Metal Chalkboard, 6'-6" High, 1 Side .....	178.14	2.40
10 22 23 23-0028	LF	Partitions, Portable, Metal Chalkboard, 2 Sides.....	203.84	2.51
10 22 23 23-0029	LF	Partitions, Portable, Tackboard, Both Sides .....	162.92	2.44

**10 22 23 23-0030 Adjustable Barrier Panel System (10 22 23 23)**

10 22 23 23-0031	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000).....	662.08	
10 22 23 23-0032	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001).....	617.35	
10 22 23 23-0033	EA	2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002).....	478.35	
10 22 23 23-0034	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003).....	1,105.27	
10 22 23 23-0035	EA	7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004) .....	211.90	
10 22 23 23-0036	EA	12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006) .....	319.22	
10 22 23 23-0037	EA	7'-8" To 10' High, Outside Corner Post (Edge Guard 4007).....	175.00	
10 22 23 23-0038	EA	7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009).....	175.00	

**10 22 33 Accordion Folding Partitions (10 22)****10 22 33 00-0001 Accordion Doors/Partitions (10 22 33)**

Note: Includes top support track and assembled panels.

10 22 33 00-0002	SF	15 STC, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 1500).....	39.16	1.85
		<i>For &lt;135, Add</i>	7.83	
10 22 33 00-0003	SF	20 STC, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 2000).....	39.72	1.92
		<i>For &lt;135, Add</i>	7.94	
10 22 33 00-0004	SF	31 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3100) .....	41.64	1.98
		<i>For &lt;135, Add</i>	8.33	
10 22 33 00-0005	SF	35 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3500) .....	44.24	2.04
		<i>For &lt;135, Add</i>	8.85	
10 22 33 00-0006	SF	39 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3900) .....	44.99	2.10
		<i>For &lt;135, Add</i>	9.00	
10 22 33 00-0007	SF	40 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4000) .....	45.49	2.16
		<i>For &lt;135, Add</i>	9.10	
10 22 33 00-0008	SF	41 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4100) .....	45.97	2.22
		<i>For &lt;135, Add</i>	9.19	
10 22 33 00-0009	SF	45 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4500) .....	46.54	2.35
		<i>For &lt;135, Add</i>	9.31	

**10 22 43 Sliding Partitions (10 22)****10 22 43 00-0001 Operable Wall (10 22 43)**

Note: Includes top support track, assembled panel and frames.



<b>Specialties</b>	<b>10</b>	<b>10</b>
Interior Specialties	10 20	
Partitions	10 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 43 00-0002 SF Up To 720 SF, 12' Height Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	67.40	3.69
Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
For 51 STC, Add	6.19	
10 22 43 00-0003 SF >720 To 1,200 SF, 12 High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	63.98	2.96
Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
For 51 STC, Add	6.06	
10 22 43 00-0004 SF >1,200 SF, 12' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	61.31	2.45
Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
For 51 STC, Add	5.93	
10 22 43 00-0005 SF Up To 1,080 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	59.04	2.59
Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
For 51 STC, Add	5.64	
10 22 43 00-0006 SF >1,080 To 1,800 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	56.15	2.10
Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
For 51 STC, Add	5.48	
10 22 43 00-0007 SF >1,800 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	54.27	1.88
Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
For 51 STC, Add	5.35	
10 22 43 00-0008 SF Up To 1,440 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	53.18	2.03
Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
For 51 STC, Add	5.18	
10 22 43 00-0009 SF >1,440 To 2,400 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	50.81	1.73
Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
For 51 STC, Add	5.02	
10 22 43 00-0010 SF >2,400 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating.....	49.08	1.55
Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
For 51 STC, Add	4.89	
10 22 43 00-0011 SF Up To 160 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating.....	73.13	3.29
Note: Includes type 3 pocket door, track and hardware. Hufcor 632.		
For 51 STC, Add	6.96	
10 22 43 00-0012 SF >160 To 240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating.....	69.08	2.50
Note: Includes type 3 pocket door, track and hardware. Hufcor 632.		
For 51 STC, Add	6.77	
10 22 43 00-0013 SF >240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating.....	66.48	2.10
Note: Includes type 3 pocket door, track and hardware. Hufcor 632.		
For 51 STC, Add	6.62	

## 10 26 Wall And Door Protection (10 20)

### 10 26 13 Corner Guards (10 26)

10 26 13 00-0001 Vinyl Corner Guards (10 26 13)

10 26 13 00-0002 Rigid Vinyl Corner Guards (10 26 13 00-0001)

10 26 13 00-0003 Surface Mounted, Rigid Vinyl Corner Guards (10 26 13 00-0002)

10 26 13 00-0004 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards (10 26 13 00-0003)

10 26 13 00-0005 LF 3/4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-34)..... 4.03 1.18

For >50 To 100, Deduct

For >100 To 200, Deduct

For >200, Deduct

-0.49

-0.69

-0.99

10 26 13 00-0006 LF 1-1/2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-12)..... 4.54 1.18

For >50 To 100, Deduct

For >100 To 200, Deduct

For >200, Deduct

-0.49

-0.69

-1.01

10 26 13 00-0007 LF 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-13)..... 7.34 1.18

For >50 To 100, Deduct

For >100 To 200, Deduct

For >200, Deduct

-0.49

-0.69

-1.15

10 26 13 00-0008 LF 4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-14)..... 10.84 1.18

For >50 To 100, Deduct

For >100 To 200, Deduct

For >200, Deduct

-0.49

-0.69

-1.33

10 26 13 00-0009 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards (10 26 13 00-0003)

10 26 13 00-0010 LF 1-1/2" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-1245)..... 10.21 1.18

For >50 To 100, Deduct

For >100 To 200, Deduct

For >200, Deduct

-0.49

-0.69

-1.29

**10 Specialties****10 20 Interior Specialties****10 26 Wall And Door Protection**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0011 Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0001)</small> Note: Includes closure caps.		
10 26 13 00-0012 Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0011)</small>		
10 26 13 00-0013 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0012)</small>		
10 26 13 00-0014 LF 2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-20).....	8.65	1.76
For >50 To 100, Deduct	-0.74	
For >100 To 200, Deduct	-1.03	
For >200, Deduct	-1.61	
For Recycled Vinyl Retainer, Deduct	-1.14	
10 26 13 00-0015 LF 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-10).....	10.21	1.76
For >50 To 100, Deduct	-0.74	
For >100 To 200, Deduct	-1.03	
For >200, Deduct	-1.69	
For Recycled Vinyl Retainer, Deduct	-1.45	
10 26 13 00-0016 LF Bullnose 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-30).....	11.76	1.76
For >50 To 100, Deduct	-0.74	
For >100 To 200, Deduct	-1.03	
For >200, Deduct	-1.77	
For Recycled Vinyl Retainer, Deduct	-1.76	
10 26 13 00-0017 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0012)</small>		
10 26 13 00-0018 LF 3" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-135).....	14.67	1.76
For >50 To 100, Deduct	-0.74	
For >100 To 200, Deduct	-1.03	
For >200, Deduct	-1.91	
For Recycled Vinyl Retainer, Deduct	-2.34	
10 26 13 00-0019 End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0012)</small> Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.		
10 26 13 00-0020 LF 2" Wing, End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-11).....	21.24	2.36
For >50 To 100, Deduct	-0.98	
For >100 To 200, Deduct	-1.38	
For >200, Deduct	-2.63	
For Recycled Vinyl Retainer, Deduct	-3.46	
10 26 13 00-0021 Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0011)</small>		
10 26 13 00-0022 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0021)</small>		
10 26 13 00-0023 LF 2" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-72).....	13.13	1.76
For >50 To 100, Deduct	-0.74	
For >100 To 200, Deduct	-1.03	
For >200, Deduct	-1.84	
For Up To 2 HR Fire Rated, Add	7.13	
10 26 13 00-0024 LF 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-7).....	16.82	1.76
For >50 To 100, Deduct	-0.74	
For >100 To 200, Deduct	-1.03	
For >200, Deduct	-2.02	
For Up To 2 HR Fire Rated, Add	9.71	
10 26 13 00-0025 LF Bullnose 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-32).....	15.23	1.76
For >50 To 100, Deduct	-0.74	
For >100 To 200, Deduct	-1.03	
For >200, Deduct	-1.94	
For Up To 2 HR Fire Rated, Add	8.60	
10 26 13 00-0026 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0021)</small>		
10 26 13 00-0027 LF 3" Wing, 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-75).....	18.39	1.76
For >50 To 100, Deduct	-0.74	
For >100 To 200, Deduct	-1.03	
For >200, Deduct	-2.10	
For Up To 2 HR Fire Rated, Add	10.81	
10 26 13 00-0028 End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers <small>(10 26 13 00-0021)</small> Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.		



<b>Specialties</b>	<b>10</b>	<b>10</b>
Interior Specialties	10 20	
Wall And Door Protection	10 26	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0029 LF 2" Wing, End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-888).....	42.21	2.36
For >50 To 100, Deduct	-0.98	
For >100 To 200, Deduct	-1.38	
For >200, Deduct	-3.68	
For Up To 2 HR Fire Rated, Add	26.80	
<b>10 26 13 00-0030 Flexible Vinyl Corner Guards</b> (10 26 13 00-0001) Note: Includes adhesive for installation.		
<b>10 26 13 00-0031 Surface Mounted, Flexible Vinyl Corner Guards</b> (10 26 13 00-0030)		
<b>10 26 13 00-0032 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guards</b> (10 26 13 00-0031)		
10 26 13 00-0033 LF 1-3/4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-9).....	6.76	1.18
For >50 To 100, Deduct	-0.49	
For >100 To 200, Deduct	-0.69	
For >200, Deduct	-1.12	
For Bolting To Concrete Or Masonry, Add	1.31	
10 26 13 00-0034 LF 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-3).....	9.54	1.18
For >50 To 100, Deduct	-0.49	
For >100 To 200, Deduct	-0.69	
For >200, Deduct	-1.26	
For Bolting To Concrete Or Masonry, Add	1.73	
10 26 13 00-0035 LF 4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-15).....	11.79	1.18
For >50 To 100, Deduct	-0.49	
For >100 To 200, Deduct	-0.69	
For >200, Deduct	-1.37	
For Bolting To Concrete Or Masonry, Add	2.06	
<b>10 26 13 00-0036 Polycarbonate Corner Guards</b> (10 26 13)		
<b>10 26 13 00-0037 Surface Mounted, Polycarbonate Corner Guards</b> (10 26 13 00-0036)		
<b>10 26 13 00-0038 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guards</b> (10 26 13 00-0037)		
10 26 13 00-0039 LF 3/4" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-16).....	3.41	1.18
For >50 To 100, Deduct	-0.49	
For >100 To 200, Deduct	-0.69	
For >200, Deduct	-0.95	
10 26 13 00-0040 LF 1-1/8" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-17).....	4.77	1.18
For >50 To 100, Deduct	-0.49	
For >100 To 200, Deduct	-0.69	
For >200, Deduct	-1.02	
10 26 13 00-0041 LF 2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-24).....	6.35	1.18
For >50 To 100, Deduct	-0.49	
For >100 To 200, Deduct	-0.69	
For >200, Deduct	-1.10	
10 26 13 00-0042 LF 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-18).....	7.31	1.18
For >50 To 100, Deduct	-0.49	
For >100 To 200, Deduct	-0.69	
For >200, Deduct	-1.15	
10 26 13 00-0043 LF Bullnose 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-23).....	6.96	1.18
For >50 To 100, Deduct	-0.49	
For >100 To 200, Deduct	-0.69	
For >200, Deduct	-1.13	
<b>10 26 13 00-0044 135 Degree Angle, Surface Mounted, Polycarbonate Corner Guards</b> (10 26 13 00-0037)		
10 26 13 00-0045 LF 2-1/2" Wing, 135 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-19).....	7.31	1.18
For >50 To 100, Deduct	-0.49	
For >100 To 200, Deduct	-0.69	
For >200, Deduct	-1.15	
<b>10 26 13 00-0046 Aluminum Corner Guards</b> (10 26 13)		
<b>10 26 13 00-0047 Surface Mounted, Aluminum Corner Guards</b> (10 26 13 00-0046)		
<b>10 26 13 00-0048 90 Degree Angle, Surface Mounted, Aluminum Corner Guards</b> (10 26 13 00-0047)		
10 26 13 00-0049 LF 1" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-400).....	6.17	1.18
For >50 To 100, Deduct	-0.49	
For >100 To 200, Deduct	-0.69	
For >200, Deduct	-1.09	
10 26 13 00-0050 LF 2" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-401).....	8.00	1.18
For >50 To 100, Deduct	-0.49	
For >100 To 200, Deduct	-0.69	
For >200, Deduct	-1.18	
10 26 13 00-0051 LF 3" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-402).....	9.14	1.18
For >50 To 100, Deduct	-0.49	
For >100 To 200, Deduct	-0.69	
For >200, Deduct	-1.24	
<b>10 26 13 00-0052 135 Degree Angle, Surface Mounted, Aluminum Corner Guards</b> (10 26 13 00-0047)		



**10 Specialties****10 20 Interior Specialties****10 26 Wall And Door Protection**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26	13 00-0053	LF	1" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-403) .....	6.17	1.18
			<i>For &gt;50 To 100, Deduct</i>	-0.49	
			<i>For &gt;100 To 200, Deduct</i>	-0.69	
			<i>For &gt;200, Deduct</i>	-1.09	
10 26	13 00-0054	LF	2" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-404) .....	8.00	1.18
			<i>For &gt;50 To 100, Deduct</i>	-0.49	
			<i>For &gt;100 To 200, Deduct</i>	-0.69	
			<i>For &gt;200, Deduct</i>	-1.18	
10 26	13 00-0055	LF	3" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-405) .....	9.14	1.18
			<i>For &gt;50 To 100, Deduct</i>	-0.49	
			<i>For &gt;100 To 200, Deduct</i>	-0.69	
			<i>For &gt;200, Deduct</i>	-1.24	
10 26	13 00-0056		<b>Steel Corner Guards</b> <small>(10 26 13)</small>		
10 26	13 00-0057		<b>Steel Angle Iron, Corner Guards</b> <small>(10 26 13 00-0056)</small>		
10 26	13 00-0058		<b>Surface Mounted, Steel Angle Iron, Corner Guards</b> <small>(10 26 13 00-0057)</small>		
10 26	13 00-0059		<b>90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guards</b> <small>(10 26 13 00-0058)</small>		
10 26	13 00-0060	LF	1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard .....	8.31	1.42
			<i>For Galvanizing, Add</i>	2.08	
			<i>For &gt;50 To 100, Deduct</i>	-0.59	
			<i>For &gt;100 To 200, Deduct</i>	-0.83	
			<i>For &gt;200, Deduct</i>	-1.36	
10 26	13 00-0061	LF	2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard .....	11.23	1.53
			<i>For Galvanizing, Add</i>	3.04	
			<i>For &gt;50 To 100, Deduct</i>	-0.64	
			<i>For &gt;100 To 200, Deduct</i>	-0.89	
			<i>For &gt;200, Deduct</i>	-1.58	
10 26	13 00-0062	LF	2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard .....	12.04	1.59
			<i>For Galvanizing, Add</i>	3.29	
			<i>For &gt;50 To 100, Deduct</i>	-0.66	
			<i>For &gt;100 To 200, Deduct</i>	-0.93	
			<i>For &gt;200, Deduct</i>	-1.66	
10 26	13 00-0063	LF	3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard .....	12.26	1.65
			<i>For Galvanizing, Add</i>	3.33	
			<i>For &gt;50 To 100, Deduct</i>	-0.69	
			<i>For &gt;100 To 200, Deduct</i>	-0.96	
			<i>For &gt;200, Deduct</i>	-1.71	
10 26	13 00-0064	LF	3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard .....	16.14	1.71
			<i>For Galvanizing, Add</i>	4.65	
			<i>For &gt;50 To 100, Deduct</i>	-0.71	
			<i>For &gt;100 To 200, Deduct</i>	-1.00	
			<i>For &gt;200, Deduct</i>	-1.95	
10 26	13 00-0065	LF	4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard .....	20.05	1.76
			<i>For Galvanizing, Add</i>	5.99	
			<i>For &gt;50 To 100, Deduct</i>	-0.74	
			<i>For &gt;100 To 200, Deduct</i>	-1.03	
			<i>For &gt;200, Deduct</i>	-2.18	
10 26	13 00-0066	LF	6" x 6" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard .....	35.83	2.36
			<i>For Galvanizing, Add</i>	11.17	
			<i>For &gt;50 To 100, Deduct</i>	-0.98	
			<i>For &gt;100 To 200, Deduct</i>	-1.38	
			<i>For &gt;200, Deduct</i>	-3.36	
10 26	13 00-0067		<b>Stainless Steel Corner Guards</b> <small>(10 26 13)</small>		
10 26	13 00-0068		<b>Stainless Steel Corner Guards</b> <small>(10 26 13 00-0067)</small>		
			Note: Includes 16 gauge, type 304 stainless steel corner guards with #4 satin finish.		
10 26	13 00-0069		<b>Surface Mounted, Stainless Steel Corner Guards</b> <small>(10 26 13 00-0068)</small>		
10 26	13 00-0070		<b>90 Degree Angle, Surface Mounted, Stainless Steel Corner Guards</b> <small>(10 26 13 00-0069)</small>		
10 26	13 00-0071	LF	1" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-520).....	7.21	1.18
			<i>For &gt;50 To 100, Deduct</i>	-0.49	
			<i>For &gt;100 To 200, Deduct</i>	-0.69	
			<i>For &gt;200, Deduct</i>	-1.14	
10 26	13 00-0072	LF	2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-510).....	8.83	1.18
			<i>For &gt;50 To 100, Deduct</i>	-0.49	
			<i>For &gt;100 To 200, Deduct</i>	-0.69	
			<i>For &gt;200, Deduct</i>	-1.23	
10 26	13 00-0073	LF	3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-500) .....	13.03	1.18
			<i>For &gt;50 To 100, Deduct</i>	-0.49	
			<i>For &gt;100 To 200, Deduct</i>	-0.69	
			<i>For &gt;200, Deduct</i>	-1.44	
10 26	13 00-0074	LF	Bullnose 3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-550).....	13.03	1.18
			<i>For &gt;50 To 100, Deduct</i>	-0.49	
			<i>For &gt;100 To 200, Deduct</i>	-0.69	
			<i>For &gt;200, Deduct</i>	-1.44	
10 26	13 00-0075		<b>135 Degree Angle, Surface Mounted, Stainless Steel Corner Guards</b> <small>(10 26 13 00-0069)</small>		



<b>Specialties</b>	<b>10</b>	<b>10</b>
Interior Specialties	10 20	
Wall And Door Protection	10 26	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0076 LF 3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-600).....	13.03	1.18
For >50 To 100, Deduct	-0.49	
For >100 To 200, Deduct	-0.69	
For >200, Deduct	-1.44	
10 26 13 00-0077 LF Bullnose 3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-650).....	13.03	1.18
For >50 To 100, Deduct	-0.49	
For >100 To 200, Deduct	-0.69	
For >200, Deduct	-1.44	
10 26 13 00-0078 Stainless Steel Angle Iron, Corner Guards (10 26 13 00-0067)		
10 26 13 00-0079 Surface Mounted, Stainless Steel Angle Iron, Corner Guards (10 26 13 00-0078)		
10 26 13 00-0080 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guards (10 26 13 00-0079)		
10 26 13 00-0081 LF 1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	16.10	1.42
For >50 To 100, Deduct	-0.59	
For >100 To 200, Deduct	-0.83	
For >200, Deduct	-1.75	
10 26 13 00-0082 LF 2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	28.59	1.53
For >50 To 100, Deduct	-0.64	
For >100 To 200, Deduct	-0.89	
For >200, Deduct	-2.45	
10 26 13 00-0083 LF 2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	41.21	1.59
For >50 To 100, Deduct	-0.66	
For >100 To 200, Deduct	-0.93	
For >200, Deduct	-3.12	
10 26 13 00-0084 LF 3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	38.11	1.65
For >50 To 100, Deduct	-0.69	
For >100 To 200, Deduct	-0.96	
For >200, Deduct	-3.01	
10 26 13 00-0085 LF 3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	55.93	1.71
For >50 To 100, Deduct	-0.71	
For >100 To 200, Deduct	-1.00	
For >200, Deduct	-3.94	
10 26 13 00-0086 LF 4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard.....	51.24	1.76
For >50 To 100, Deduct	-0.74	
For >100 To 200, Deduct	-1.03	
For >200, Deduct	-3.74	
10 26 13 00-0087 Rubber Corner Guards (10 26 13)		
Note: Includes adhesive for installation.		
10 26 13 00-0088 Natural Rubber Corner Guards (10 26 13 00-0087)		
10 26 13 00-0089 Surface Mounted, Natural Rubber Corner Guards (10 26 13 00-0088)		
10 26 13 00-0090 90 Degree Angle, Surface Mounted, Natural Rubber Corner Guards (10 26 13 00-0089)		
10 26 13 00-0091 LF 4-3/4" Wing, 90 Degree Angle, Surface Mounted, Natural Rubber Corner Guard (Pawling CG-5).....	43.54	1.18
For >50 To 100, Deduct	-0.49	
For >100 To 200, Deduct	-0.69	
For >200, Deduct	-2.96	
For Bolting To Concrete Or Masonry, Add	6.83	
10 26 13 00-0092 Styrene-Butadiene Rubber (SBR) Corner Guards (10 26 13 00-0087)		
10 26 13 00-0093 Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards (10 26 13 00-0092)		
10 26 13 00-0094 90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards (10 26 13 00-0093)		
10 26 13 00-0095 LF 4-5/8" Wing, 90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guard (Pawling CG-2).....	17.94	1.18
For >50 To 100, Deduct	-0.49	
For >100 To 200, Deduct	-0.69	
For >200, Deduct	-1.68	
For Bolting To Concrete Or Masonry, Add	2.99	
10 26 13 00-0096 Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards (10 26 13 00-0087)		
10 26 13 00-0097 Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards (10 26 13 00-0096)		
10 26 13 00-0098 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards (10 26 13 00-0097)		
10 26 13 00-0099 LF 4-5/8" Wing, 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guard (Pawling CG-2E).....	15.37	1.18
For >50 To 100, Deduct	-0.49	
For >100 To 200, Deduct	-0.69	
For >200, Deduct	-1.55	
For Bolting To Concrete Or Masonry, Add	2.60	

**10 Specialties****10 20 Interior Specialties****10 26 Wall And Door Protection**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>10 26 16</b>	<b>Bumper Guards</b> <small>(10 26)</small>		
<b>10 26 16 13</b>	<b>Bumper Rails</b> <small>(10 26 16)</small>		
<b>10 26 16 13-0001</b>	<b>Crash Rails</b> <small>(10 26 16 13)</small> Note: Includes end caps.		
<b>10 26 16 13-0002</b>	<b>Polycarbonate Crash Rails</b> <small>(10 26 16 13-0001)</small>		
10 26 16 13-0003	LF 3" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-3).....	6.53	1.57
	For >50 To 100, Deduct	-0.79	
	For >100 To 200, Deduct	-1.10	
	For >200, Deduct	-1.58	
10 26 16 13-0004	LF 4" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-4).....	7.73	1.57
	For >50 To 100, Deduct	-0.79	
	For >100 To 200, Deduct	-1.10	
	For >200, Deduct	-1.64	
<b>10 26 16 13-0005</b>	<b>Aluminum Crash Rails</b> <small>(10 26 16 13-0001)</small>		
10 26 16 13-0006	LF 4" High, 3-1/4" Deep, Aluminum Crash Rail (Pawling CRA-100).....	28.66	1.57
	For >50 To 100, Deduct	-0.79	
	For >100 To 200, Deduct	-1.10	
	For >200, Deduct	-2.69	
<b>10 26 16 13-0007</b>	<b>Stainless Steel Crash Rails</b> <small>(10 26 16 13-0001)</small>		
10 26 16 13-0008	LF 4" High, 3-1/4" Deep, Stainless Steel Crash Rail (Pawling CRS-100).....	54.18	1.57
	For >50 To 100, Deduct	-0.79	
	For >100 To 200, Deduct	-1.10	
	For >200, Deduct	-3.97	
10 26 16 13-0009	LF 5-1/2" High, 1-1/2" Deep, Stainless Steel Crash Rail (Pawling CRS-200).....	41.42	1.57
	For >50 To 100, Deduct	-0.79	
	For >100 To 200, Deduct	-1.10	
	For >200, Deduct	-3.33	
<b>10 26 16 13-0010</b>	<b>Wall Guards</b> <small>(10 26 16 13)</small>		
<b>10 26 16 13-0011</b>	<b>Rigid Vinyl Wall Guards With Aluminum Retainers</b> <small>(10 26 16 13-0010)</small> Note: Includes end caps.		
10 26 16 13-0012	LF 1-1/2" High, 1-1/2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-1).....	7.54	1.38
	For >50 To 100, Deduct	-0.69	
	For >100 To 200, Deduct	-0.96	
	For >200, Deduct	-1.48	
10 26 16 13-0013	LF 3" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-3).....	9.50	1.57
	For >50 To 100, Deduct	-0.79	
	For >100 To 200, Deduct	-1.10	
	For >200, Deduct	-1.73	
10 26 16 13-0014	LF 4" High, 3/4" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-4).....	10.69	1.57
	For >50 To 100, Deduct	-0.79	
	For >100 To 200, Deduct	-1.10	
	For >200, Deduct	-1.79	
10 26 16 13-0015	LF 5" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-5).....	11.33	1.57
	For >50 To 100, Deduct	-0.79	
	For >100 To 200, Deduct	-1.10	
	For >200, Deduct	-1.82	
10 26 16 13-0016	LF 6" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-6).....	14.18	1.67
	For >50 To 100, Deduct	-0.83	
	For >100 To 200, Deduct	-1.17	
	For >200, Deduct	-2.04	
10 26 16 13-0017	LF 8" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-7).....	14.28	1.67
	For >50 To 100, Deduct	-0.83	
	For >100 To 200, Deduct	-1.17	
	For >200, Deduct	-2.05	
10 26 16 13-0018	LF 7-3/4" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-8).....	14.86	1.67
	For >50 To 100, Deduct	-0.83	
	For >100 To 200, Deduct	-1.17	
	For >200, Deduct	-2.08	
10 26 16 13-0019	LF 12" High, 2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-12).....	18.64	1.76
	For >50 To 100, Deduct	-0.88	
	For >100 To 200, Deduct	-1.24	
	For >200, Deduct	-2.34	
<b>10 26 16 13-0020</b>	<b>Rubber Wall Guards</b> <small>(10 26 16 13-0010)</small>		
<b>10 26 16 13-0021</b>	<b>D-Shaped, Rubber Wall Guards</b> <small>(10 26 16 13-0020)</small>		
10 26 16 13-0022	LF 2" High, 1-3/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-2).....	11.62	1.38
	For >50 To 100, Deduct	-0.69	
	For >100 To 200, Deduct	-0.96	
	For >200, Deduct	-1.68	



<b>Specialties</b>	<b>10</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>	
<b>Wall And Door Protection</b>	<b>10 26</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0023	LF	3"	High, 3" Deep, D-Shaped, Rubber Wall Guard (Pawling D-3)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	18.45 -0.79 -1.10 -2.18	1.57
10 26 16 13-0024	LF	4"	High, 4-1/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-4)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	29.49 -0.79 -1.10 -2.73	1.57
10 26 16 13-0025	LF	6"	High, 6" Deep, D-Shaped, Rubber Wall Guard (Pawling D-6)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	43.40 -0.79 -1.10 -3.43	1.57
<b>10 26 16 13-0026</b>			<b>Rectangular, Rubber Wall Guards</b> <small>(10 26 16 13-0020)</small>		
10 26 16 13-0027	LF	8"	High, 1-1/2" Deep, Rectangular, Rubber Wall Guard (Pawling E-1)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	31.59 -0.83 -1.17 -2.91	1.67
10 26 16 13-0028	LF	9"	High, 2" Deep, Rectangular, Rubber Wall Guard (Pawling M-2) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	40.92 -0.88 -1.24 -3.46	1.76
<b>10 26 16 13-0029</b>			<b>Wing Type, Rubber Wall Guards</b> <small>(10 26 16 13-0020)</small>		
10 26 16 13-0030	LF	6"	High, 2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-20)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	55.46 -0.79 -1.10 -4.03	1.57
10 26 16 13-0031	LF	6"	High, 3" Deep, Wing Type, Rubber Wall Guard (Pawling WT-30)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	59.28 -0.79 -1.10 -4.22	1.57
10 26 16 13-0032	LF	3-7/8"	High, 2-1/2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-25)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	25.05 -0.69 -0.96 -2.35	1.38
<b>10 26 16 13-0033</b>			<b>U-Shaped, Rubber Wall Guards</b> <small>(10 26 16 13-0020)</small>		
10 26 16 13-0034	LF	3-1/8"	High, 3-7/8" Deep, U-Shaped, Rubber Wall Guard (Pawling U-4)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	45.76 -0.83 -1.17 -3.62	1.67
10 26 16 13-0035	LF	4-1/2"	High, 3-1/2" Deep, U-Shaped, Rubber Wall Guard (Pawling U-3)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	51.82 -0.83 -1.17 -3.92	1.67
<b>10 26 16 13-0036</b>			<b>Accent Rails</b> <small>(10 26 16 13)</small> Note: Includes end caps.		
<b>10 26 16 13-0037</b>			<b>Oval, Rigid Vinyl Accent Rails With Aluminum Retainers</b> <small>(10 26 16 13-0036)</small>		
10 26 16 13-0038	LF	1-1/8"	High, 1-1/16" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EB-25)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	9.62 -0.69 -0.96 -1.58	1.38
10 26 16 13-0039	LF	2"	High, 1-1/8" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EBR-30)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	9.65 -0.69 -0.96 -1.58	1.38
10 26 16 13-0040	LF	2"	High, 1-3/4" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling WG-22)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	15.53 -0.69 -0.96 -1.88	1.38
<b>10 26 16 16</b>			<b>Protective Corridor Handrails</b> <small>(10 26 16)</small>		
<b>10 26 16 16-0001</b>			<b>Protective Corridor Handrails</b> <small>(10 26 16 16)</small>		
<b>10 26 16 16-0002</b>			<b>Vinyl/Acrylic Protective Corridor Handrails With Aluminum Retainers</b> <small>(10 26 16 16-0001)</small>		
10 26 16 16-0003	LF	1-1/2"	Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-6CN)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i>	13.84 -1.47 -2.06 -3.05	2.95
10 26 16 16-0004	EA		End Cap For 1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	11.57 -1.47 -2.06 -2.93	2.95

**10 Specialties****10 20 Interior Specialties****10 26 Wall And Door Protection**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 16-0005	LF		5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HRB-4C).....	20.65	2.95
			<i>For &gt;50 To 100, Deduct</i>	-1.47	
			<i>For &gt;100 To 200, Deduct</i>	-2.06	
			<i>For &gt;200, Deduct</i>	-3.39	
10 26 16 16-0006	EA		End Cap For 5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn).....	16.11	2.95
			<i>For &gt;25 To 50, Deduct</i>	-1.47	
			<i>For &gt;50 To 100, Deduct</i>	-2.06	
			<i>For &gt;100, Deduct</i>	-3.16	
10 26 16 16-0007	LF		6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn HRB-10CN).....	21.79	2.95
			<i>For &gt;50 To 100, Deduct</i>	-1.47	
			<i>For &gt;100 To 200, Deduct</i>	-2.06	
			<i>For &gt;200, Deduct</i>	-3.45	
10 26 16 16-0008	EA		End Cap For 6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn).....	24.06	2.95
			<i>For &gt;25 To 50, Deduct</i>	-1.47	
			<i>For &gt;50 To 100, Deduct</i>	-2.06	
			<i>For &gt;100, Deduct</i>	-3.56	
10 26 16 16-0009	LF		6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-8CN).....	29.74	2.95
			<i>For &gt;50 To 100, Deduct</i>	-1.47	
			<i>For &gt;100 To 200, Deduct</i>	-2.06	
			<i>For &gt;200, Deduct</i>	-3.84	
10 26 16 16-0010	EA		End Cap For 6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn).....	33.14	2.95
			<i>For &gt;25 To 50, Deduct</i>	-1.47	
			<i>For &gt;50 To 100, Deduct</i>	-2.06	
			<i>For &gt;100, Deduct</i>	-4.01	
<b>10 26 16 16-0011</b>			<b>Stainless Steel Protective Corridor Handrails</b> <small>(10 26 16 16-0001)</small>		
10 26 16 16-0012	LF		5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn P-RS).....	41.09	2.95
			<i>For &gt;50 To 100, Deduct</i>	-1.47	
			<i>For &gt;100 To 200, Deduct</i>	-2.06	
			<i>For &gt;200, Deduct</i>	-4.41	
10 26 16 16-0013	EA		End Cap For 5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn).....	42.23	2.95
			<i>For &gt;25 To 50, Deduct</i>	-1.47	
			<i>For &gt;50 To 100, Deduct</i>	-2.06	
			<i>For &gt;100, Deduct</i>	-4.47	
<b>10 26 16 16-0014</b>			<b>Hardwood Protective Corridor Handrails</b> <small>(10 26 16 16-0001)</small>		
			Note: Includes end caps.		
10 26 16 16-0015	LF		4" High, Vinyl Protective Corridor Handrail With 1-1/2" Diameter Wood (Pawling BR-400C).....	22.89	3.09
			<i>For &gt;50 To 100, Deduct</i>	-1.55	
			<i>For &gt;100 To 200, Deduct</i>	-2.17	
			<i>For &gt;200, Deduct</i>	-3.62	
			<i>For Maple, Add</i>	0.50	
10 26 16 16-0016	LF		5-1/2" Diameter, Hardwood Protective Corridor Handrail With Vinyl Inserts (Pawling BR-5500).....	28.06	3.30
			<i>For &gt;50 To 100, Deduct</i>	-1.65	
			<i>For &gt;100 To 200, Deduct</i>	-2.31	
			<i>For &gt;200, Deduct</i>	-4.04	
10 26 16 16-0017	LF		1-1/2" Diameter, Hardwood Protective Corridor Handrail (Pawling BR-1500).....	19.32	3.09
			<i>For &gt;50 To 100, Deduct</i>	-1.55	
			<i>For &gt;100 To 200, Deduct</i>	-2.17	
			<i>For &gt;200, Deduct</i>	-3.44	
			<i>For Maple, Add</i>	5.65	
			<i>For Oak, Add</i>	6.30	
<b>10 26 23</b>			<b>Protective Wall Covering</b> <small>(10 26)</small>		
<b>10 26 23 13</b>			<b>Impact Resistant Wall Protection</b> <small>(10 26 23)</small>		
<b>10 26 23 13-0001</b>			<b>Impact Resistant Wall Protection</b> <small>(10 26 23 13)</small>		
			Note: Includes standard trim.		
10 26 23 13-0002	SF		0.030" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-30).....	4.50	0.98
10 26 23 13-0003	SF		0.040" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-40).....	4.81	0.98
10 26 23 13-0004	SF		0.060" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-60).....	6.60	0.98
10 26 23 13-0005			<b>Interior Polyvinyl Chloride (PVC) Soffit System</b> <small>(10 26 23 13)</small>		
			Note: DecoShield Systems, Inc. Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit.		
10 26 23 13-0006			<b>"L" Design</b> <small>(10 26 23 13-0005)</small>		
10 26 23 13-0007			<b>L-Shield</b> <small>(10 26 23 13-0006)</small>		
10 26 23 13-0008	LF		2.38" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe.....	8.12	0.98
10 26 23 13-0009	LF		3" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" And 1-1/2" Pipe.....	9.05	1.38
10 26 23 13-0010	LF		3.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 2" Pipe.....	11.94	1.76
10 26 23 13-0011	LF		5.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2-1/2" Shield Size For 2-1/2" Pipe.....	16.76	2.16
10 26 23 13-0012			<b>"Combo" Hanger</b> <small>(10 26 23 13-0006)</small>		
10 26 23 13-0013	EA		Combination "Combo" Hanger, L-Support, For 3/4" Pipe.....	7.68	1.97
10 26 23 13-0014	EA		Combination "Combo" Hanger, L-Support, For 1" Pipe.....	8.76	2.36
10 26 23 13-0015	EA		Combination "Combo" Hanger, L-Support, For 1-1/4" Pipe.....	10.07	2.75
10 26 23 13-0016	EA		Combination "Combo" Hanger, L-Support, For 1-1/2" Pipe.....	11.09	3.14



<b>Specialties</b>	<b>10</b>
Interior Specialties	10 20
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0017 EA Combination "Combo" Hanger, L-Support, For 2" Pipe .....	12.40	3.54
<b>10 26 23 13-0018 Snap-2 Pipe Hanger</b> (10 26 23 13-0006)		
10 26 23 13-0019 EA Snap-2 Pipe Hanger, L-Support, For 3/4" Pipe .....	5.88	1.97
10 26 23 13-0020 EA Snap-2 Pipe Hanger, L-Support, For 1" Pipe .....	7.18	2.36
10 26 23 13-0021 EA Snap-2 Pipe Hanger, L-Support, For 1-1/4" Pipe .....	8.35	2.75
10 26 23 13-0022 EA Snap-2 Pipe Hanger, L-Support, For 1-1/2" Pipe .....	9.81	3.14
10 26 23 13-0023 EA Snap-2 Pipe Hanger, L-Support, For 2" Pipe .....	11.35	3.54
<b>10 26 23 13-0024 Coupling</b> (10 26 23 13-0006)		
10 26 23 13-0025 EA Coupling, L-Shield, 1" Shield Size .....	4.29	0.98
10 26 23 13-0026 EA Coupling, L-Shield, 1-1/4" Shield Size .....	6.27	1.38
10 26 23 13-0027 EA Coupling, L-Shield, 2" Shield Size .....	9.31	1.76
10 26 23 13-0028 EA Coupling, L-Shield, 2-1/2" Shield Size .....	11.74	2.16
<b>10 26 23 13-0029 Coupling, Reducer</b> (10 26 23 13-0006)		
10 26 23 13-0030 EA Coupling, Reducing, L-Shield, 1-1/4" x 1" Shield Size .....	14.36	1.18
10 26 23 13-0031 EA Coupling, Reducing, L-Shield, 2" x 1" Shield Size .....	17.74	1.38
10 26 23 13-0032 EA Coupling, Reducing, L-Shield, 2" x 1-1/4" Shield Size .....	21.13	1.57
10 26 23 13-0033 EA Coupling, Reducing, L-Shield, 2-1/2" x 2" Shield Size .....	88.50	1.97
<b>10 26 23 13-0034 Shield Clips</b> (10 26 23 13-0006)		
10 26 23 13-0035 EA Shield Clips, L-Support, 1" Shield Size .....	2.60	0.59
10 26 23 13-0036 EA Shield Clips, L-Support, 1-1/4" Shield Size .....	3.77	0.98
10 26 23 13-0037 EA Shield Clips, L-Support, 2" Shield Size .....	4.85	1.38
10 26 23 13-0038 EA Shield Clips, L-Support, 2-1/2" Shield Size .....	5.19	1.76
<b>10 26 23 13-0039 Wall Flange</b> (10 26 23 13-0006)		
10 26 23 13-0040 EA Wall Flange, L-Shield, 1" Shield Size .....	4.14	0.98
10 26 23 13-0041 EA Wall Flange, L-Shield, 1-1/4" Shield Size .....	5.97	1.38
10 26 23 13-0042 EA Wall Flange, L-Shield, 2" Shield Size .....	9.01	1.76
10 26 23 13-0043 EA Wall Flange, L-Shield, 2-1/2" Shield Size .....	44.55	2.16
<b>10 26 23 13-0044 End Cap</b> (10 26 23 13-0006)		
10 26 23 13-0045 EA End Cap, L-Shield, 1" Shield Size .....	4.85	0.59
10 26 23 13-0046 EA End Cap, L-Shield, 1-1/4" Shield Size .....	6.17	0.98
10 26 23 13-0047 EA End Cap, L-Shield, 2" Shield Size .....	8.52	1.38
10 26 23 13-0048 EA End Cap, L-Shield, 2-1/2" Shield Size .....	45.97	1.76
<b>10 26 23 13-0049 Inside/Outside Corner</b> (10 26 23 13-0006)		
10 26 23 13-0050 EA Inside/Outside Corner, L-Shield, 1" Shield Size .....	32.64	1.97
10 26 23 13-0051 EA Inside/Outside Corner, L-Shield, 1-1/4" Shield Size .....	34.85	2.36
10 26 23 13-0052 EA Inside/Outside Corner, L-Shield, 2" Shield Size .....	41.95	2.95
10 26 23 13-0053 EA Inside/Outside Corner, L-Shield, 2-1/2" Shield Size .....	75.68	3.54
<b>10 26 23 13-0054 Joiner</b> (10 26 23 13-0006)		
10 26 23 13-0055 LF Joiner, L-Shield .....	6.50	0.59
<b>10 26 23 13-0056 "U" Design</b> (10 26 23 13-0005)		
<b>10 26 23 13-0057 U-Shield</b> (10 26 23 13-0056)		
10 26 23 13-0058 LF 2.25" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe .....	10.07	0.98
10 26 23 13-0059 LF 2.875" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" Pipe .....	12.35	1.38
10 26 23 13-0060 LF 3.68" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 1-1/2" And 2" Pipe .....	15.76	1.38
<b>10 26 23 13-0061 "Combo" Hanger</b> (10 26 23 13-0056)		
10 26 23 13-0062 EA Combination "Combo" Hanger, U-Support For 3/4" Pipe .....	6.25	1.97
10 26 23 13-0063 EA Combination "Combo" Hanger, U-Support For 1" Pipe .....	7.41	2.36
10 26 23 13-0064 EA Combination "Combo" Hanger, U-Support For 1-1/4" Pipe .....	8.50	2.75
10 26 23 13-0065 EA Combination "Combo" Hanger, U-Support For 1-1/2" Pipe .....	10.86	3.14
10 26 23 13-0066 EA Combination "Combo" Hanger, U-Support For 2" Pipe .....	12.33	3.54
<b>10 26 23 13-0067 Snap-2 Pipe Hanger</b> (10 26 23 13-0056)		
10 26 23 13-0068 EA Snap-2 Pipe Hanger, U-Support, For 3/4" Pipe .....	5.73	1.97
10 26 23 13-0069 EA Snap-2 Pipe Hanger, U-Support, For 1" Pipe .....	7.03	2.36
10 26 23 13-0070 EA Snap-2 Pipe Hanger, U-Support, For 1-1/4" Pipe .....	8.72	2.75
10 26 23 13-0071 EA Snap-2 Pipe Hanger, U-Support, For 1-1/2" Pipe .....	9.66	3.14
10 26 23 13-0072 EA Snap-2 Pipe Hanger, U-Support, For 2" Pipe .....	11.28	3.54

**10 Specialties****10 20 Interior Specialties****10 26 Wall And Door Protection**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0073			<b>Coupling</b> (10 26 23 13-0056)		
10 26 23 13-0074	EA		Coupling, U-Shield, 1" Shield Size.....	5.34	0.98
10 26 23 13-0075	EA		Coupling, U-Shield, 1-1/4" Shield Size.....	6.50	1.38
10 26 23 13-0076	EA		Coupling, U-Shield, 2" Shield Size.....	7.81	1.76
10 26 23 13-0077			<b>Coupling, Reducer</b> (10 26 23 13-0056)		
10 26 23 13-0078	EA		Reducing Coupling, U-Shield, 1-1/4" x 1" Shield Size.....	17.35	1.18
10 26 23 13-0079	EA		Reducing Coupling, U-Shield, 2" x 1" Shield Size.....	20.74	1.38
10 26 23 13-0080	EA		Reducing Coupling, U-Shield, 2" x 1-1/4" Shield Size.....	21.88	1.57
10 26 23 13-0081			<b>Shield Clips</b> (10 26 23 13-0056)		
10 26 23 13-0082	EA		Shield Clips, U-Support, 1" Shield Size.....	2.30	0.59
10 26 23 13-0083	EA		Shield Clips, U-Support, 1-1/4" Shield Size.....	3.24	0.98
10 26 23 13-0084	EA		Shield Clips, U-Support, 2" Shield Size.....	4.17	1.38
10 26 23 13-0085			<b>Wall Flange</b> (10 26 23 13-0056)		
10 26 23 13-0086	EA		Wall Flange, U-Shield, 1" Shield Size.....	5.12	0.98
10 26 23 13-0087	EA		Wall Flange, U-Shield, 1-1/4" Shield Size.....	6.42	1.38
10 26 23 13-0088	EA		Wall Flange, U-Shield, 2" Shield Size.....	7.74	1.76
10 26 23 13-0089			<b>End Cap</b> (10 26 23 13-0056)		
10 26 23 13-0090	EA		End Cap, U-Shield, 1" Shield Size.....	5.23	0.59
10 26 23 13-0091	EA		End Cap, U-Shield, 1-1/4" Shield Size.....	6.77	0.98
10 26 23 13-0092	EA		End Cap, U-Shield, 2" Shield Size.....	8.22	1.38
10 26 23 13-0093			<b>Inside/Outside Corner</b> (10 26 23 13-0056)		
10 26 23 13-0094	EA		Inside/Outside Corner, U-Shield, 1" Shield Size.....	41.71	1.97
10 26 23 13-0095	EA		Inside/Outside Corner, U-Shield, 1-1/4" Shield Size.....	46.17	2.36
10 26 23 13-0096	EA		Inside/Outside Corner, U-Shield, 2" Shield Size.....	54.40	2.95
10 26 23 13-0097			<b>Elbow</b> (10 26 23 13-0056)		
10 26 23 13-0098	EA		Elbow, U-Shield, 1" Shield Size.....	40.89	1.97
10 26 23 13-0099	EA		Elbow, U-Shield, 1-1/4" Shield Size.....	44.67	2.36
10 26 23 13-0100	EA		Elbow, U-Shield, 2" Shield Size.....	52.97	2.95
10 26 23 13-0101			<b>Tee</b> (10 26 23 13-0056)		
10 26 23 13-0102	EA		Tee, U-Shield, 1" x 1" x 1" Shield Size.....	51.10	2.95
10 26 23 13-0103	EA		Tee, U-Shield, 1-1/4" x 1-1/4" x 1-1/4" Shield Size.....	56.49	3.54
10 26 23 13-0104	EA		Tee, U-Shield, 2" x 2" x 2" Shield Size.....	65.70	4.32
10 26 23 13-0105	EA		Tee, U-Shield, 1-1/4" x 1-1/4" x 1" Shield Size.....	68.16	3.34
10 26 23 13-0106	EA		Tee, U-Shield, 2" x 2" x 1-1/4" Shield Size.....	72.80	4.13
10 26 23 13-0107			<b>Cross</b> (10 26 23 13-0056)		
10 26 23 13-0108	EA		Cross, U-Shield, 1" Shield Size.....	94.45	3.93
10 26 23 13-0109	EA		Cross, U-Shield, 1-1/4" Shield Size.....	105.39	4.71
10 26 23 13-0110	EA		Cross, U-Shield, 2" Shield Size.....	127.84	5.89
10 26 23 13-0111	EA		Cross, U-Shield, 1-1/4" x 1" Shield Size.....	131.00	4.32
10 26 23 13-0112	EA		Cross, U-Shield, 2" x 1-1/4" Shield Size.....	143.31	5.30
10 26 23 13-0113			<b>Transition Fittings (L to U Or U to L)</b> (10 26 23 13-0005)		
10 26 23 13-0114			<b>Coupling Transition</b> (10 26 23 13-0113)		
10 26 23 13-0115	EA		Transition Coupling, 1" x 1", LxU or UxL.....	15.61	0.98
10 26 23 13-0116	EA		Transition Coupling, 1-1/4" x 1-1/4", LxU or UxL.....	17.29	1.38
10 26 23 13-0117	EA		Transition Coupling, 2" x 2", LxU or UxL.....	21.46	1.76
10 26 23 13-0118	EA		Transition Coupling, 1" x 1-1/4", LxU or UxL.....	17.58	1.18
10 26 23 13-0119	EA		Transition Coupling, 1-1/4" x 2", LxU or UxL.....	21.73	1.57
10 26 23 13-0120	EA		Transition Coupling, 2" x 2-1/2", LxU or UxL.....	92.77	1.97
10 26 23 13-0121			<b>Elbow Transition</b> (10 26 23 13-0113)		
10 26 23 13-0122	EA		Transition Elbow, 1" x 1" (UxL).....	55.96	1.97
10 26 23 13-0123	EA		Transition Elbow, 1-1/4" x 1-1/4" (UxL).....	60.34	2.36
10 26 23 13-0124	EA		Transition Elbow, 2" x 2" (UxL).....	70.51	2.95
10 26 23 13-0125	EA		Transition Elbow, 1" x 1-1/4" (UxL).....	88.29	2.16
10 26 23 13-0126	EA		Transition Elbow, 1-1/4" x 1" (UxL).....	61.60	2.16
10 26 23 13-0127	EA		Transition Elbow, 1-1/4" x 2" (UxL).....	92.62	2.75
10 26 23 13-0128	EA		Transition Elbow, 2" x 1-1/4" (UxL).....	70.95	2.75



<b>Specialties</b>	<b>10</b>
Interior Specialties	10 20
Wall And Door Protection	10 26

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0129 EA Transition Elbow, 2" x 2-1/2" (UxL).....	111.55	3.14
<b>10 26 23 13-0130 Tee Transition</b> <small>(10 26 23 13-0130)</small>		
10 26 23 13-0131 EA Transition Tee, 1" x 1" x 1" (LxLxU).....	63.17	2.95
10 26 23 13-0132 EA Transition Tee, 1-1/4" x 1-1/4" x 1-1/4" (LxLxU).....	72.90	3.54
10 26 23 13-0133 EA Transition Tee, 2" x 2" x 2" (LxLxU).....	84.52	4.32
10 26 23 13-0134 EA Transition Tee, 1-1/4" x 1-1/4" x 1" (LxLxU).....	66.43	3.34
10 26 23 13-0135 EA Transition Tee, 1-1/4" x 1-1/4" x 2" (LxLxU).....	106.42	3.73
10 26 23 13-0136 EA Transition Tee, 2" x 2" x 1-1/4" (LxLxU).....	73.47	4.13
10 26 23 13-0137 EA Transition Tee, 2-1/2" x 2-1/2" x 2" (LxLxU).....	101.28	4.92
<b>10 26 23 13-0138 Fittings (L Or U)</b> <small>(10 26 23 13-0005)</small>		
<b>10 26 23 13-0139 Hugger Hangers For Steel Pipe</b> <small>(10 26 23 13-0138)</small>		
10 26 23 13-0140 EA Hugger Hanger, For 1/2" Steel Pipe.....	4.71	1.57
10 26 23 13-0141 EA Hugger Hanger, For 3/4" Steel Pipe.....	5.88	1.97
10 26 23 13-0142 EA Hugger Hanger, For 1" Steel Pipe.....	6.81	2.36
10 26 23 13-0143 EA Hugger Hanger, For 1-1/4" Steel Pipe.....	7.82	2.75
10 26 23 13-0144 EA Hugger Hanger, For 1-1/2" Steel Pipe.....	8.76	3.14
10 26 23 13-0145 EA Hugger Hanger, For 2" Steel Pipe.....	9.85	3.14
10 26 23 13-0146 EA Hugger Hanger, For 2-1/2" Steel Pipe.....	10.78	3.93
10 26 23 13-0147 EA Hugger Hanger, For 3" Steel Pipe.....	14.35	4.32
<b>10 26 23 13-0148 Hugger Hangers For Copper Pipe</b> <small>(10 26 23 13-0138)</small>		
10 26 23 13-0149 EA Hugger Hanger, For 1/2" Copper Pipe.....	4.79	1.57
10 26 23 13-0150 EA Hugger Hanger, For 3/4" Copper Pipe.....	5.95	1.97
10 26 23 13-0151 EA Hugger Hanger, For 1" Copper Pipe.....	6.88	2.36
10 26 23 13-0152 EA Hugger Hanger, For 1-1/4" Copper Pipe.....	7.90	2.75
10 26 23 13-0153 EA Hugger Hanger, For 1-1/2" Copper Pipe.....	8.84	3.14
10 26 23 13-0154 EA Hugger Hanger, For 2" Copper Pipe.....	10.00	3.54
10 26 23 13-0155 EA Hugger Hanger, For 2-1/2" Copper Pipe.....	10.93	3.93
10 26 23 13-0156 EA Hugger Hanger, For 3" Copper Pipe.....	14.57	4.32
<b>10 26 23 13-0157 Shield Extension (L Or U)</b> <small>(10 26 23 13-0138)</small>		
10 26 23 13-0158 LF Shield Extension.....	8.08	0.59
<b>10 26 23 13-0159 Interior Steel Soffit System</b> <small>(10 26 23 13)</small>		
Note: Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit. Includes factory painted finish and field touch-up.		
10 26 23 13-0160 SF 24 Gauge Steel, U-Shield (JG Innovations Soffi-Steel).....	14.43	1.76
For 22 Gauge Steel, Add	1.09	
For 20 Gauge Steel, Add	2.33	
For 18 Gauge Steel, Add	4.57	
For 16 Gauge Steel, Add	7.02	
For Stainless Steel, Add	2.72	
10 26 23 13-0161 EA U-Shield Wall Flange (JG Innovations Soffi-Steel).....	19.75	4.92
For Stainless Steel, Add	2.48	
10 26 23 13-0162 EA U-Shield Corner (JG Innovations Soffi-Steel).....	58.50	5.89
For Stainless Steel, Add	11.58	
10 26 23 13-0163 EA U-Shield End Cap (JG Innovations Soffi-Steel).....	16.48	2.95
For Stainless Steel, Add	2.65	
10 26 23 13-0164 EA U-Shield Clip (JG Innovations Soffi-Steel).....	2.78	1.18
For Stainless Steel, Add	0.11	
10 26 23 13-0165 SF 24 Gauge Steel, L-Shield (JG Innovations Soffi-Steel).....	16.75	1.76
For 22 Gauge Steel, Add	0.99	
For 20 Gauge Steel, Add	2.11	
For 18 Gauge Steel, Add	4.10	
For 16 Gauge Steel, Add	6.87	
For Stainless Steel, Add	3.30	
10 26 23 13-0166 EA L-Shield Wall Flange (JG Innovations Soffi-Steel).....	19.75	4.92
For Stainless Steel, Add	2.48	
10 26 23 13-0167 EA L-Shield Corner (JG Innovations Soffi-Steel).....	58.50	5.89
For Stainless Steel, Add	11.58	
10 26 23 13-0168 EA L-Shield End Cap (JG Innovations Soffi-Steel).....	14.91	2.16
For Stainless Steel, Add	2.65	
10 26 23 13-0169 EA L-Shield Clip (JG Innovations Soffi-Steel).....	2.78	1.18
For Stainless Steel, Add	0.11	
<b>10 26 41 Bullet Resistant Panels</b> <small>(10 26)</small>		
<b>10 26 41 00-0001 Laminated Bullet Resistant Fiberglass Panel</b> <small>(10 26 41)</small>		
Note: Material consisting of multiple layers of woven roving ballistic grade fiberglass cloth impregnated with a thermoset polyester resin and compressed into rigid flat sheets.		
10 26 41 00-0002 SF 1/8" Thick Ballistic Resistant Fiberglass Panel, 1.2 LB/SF.....	10.87	0.56
10 26 41 00-0003 SF 3/16" Thick Ballistic Resistant Fiberglass Panel, 2 LB/SF.....	15.32	0.60
10 26 41 00-0004 SF 1/4" Thick Ballistic Resistant Fiberglass Panel, 2.4 To 2.6 LB/SF.....	17.43	0.64



**10 Specialties****10 20 Interior Specialties****10 26 Wall And Door Protection**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 41 00-0005	SF		5/16" Thick Ballistic Resistant Fiberglass Panel, 3 To 3.6 LB/SF .....	18.51	0.68
10 26 41 00-0006	SF		3/8" Thick Ballistic Resistant Fiberglass Panel, 3.6 To 3.9 LB/SF .....	20.10	0.72
10 26 41 00-0007	SF		7/16" Thick Ballistic Resistant Fiberglass Panel, 4 To 4.9 LB/SF .....	21.66	0.76
10 26 41 00-0008	SF		9/16" Thick Ballistic Resistant Fiberglass Panel, 5.5 To 6.6 LB/SF .....	37.73	0.92
10 26 41 00-0009	SF		1-1/8" Thick Ballistic Resistant Fiberglass Panel, 11 To 11.7 LB/SF .....	54.36	1.43
10 26 41 00-0010	SF		1-3/16" Thick Ballistic Resistant Fiberglass Panel, 12 To 13.2 LB/SF .....	64.98	1.71
10 26 41 00-0011	SF		1-5/16" Thick Ballistic Resistant Fiberglass Panel, 13.4 To 14 LB/SF .....	77.96	1.88
10 26 41 00-0012	SF		1-7/16" Thick Ballistic Resistant Fiberglass Panel, 15.2 To 16 LB/SF .....	89.03	2.00

**10 28 Toilet, Bath, And Laundry Accessories** (10 20)**10 28 13 Toilet Accessories** (10 28)**10 28 13 13 Commercial Toilet Accessories** (10 28 13)**10 28 13 13-0001 Toilet Accessories** (10 28 13 13)**10 28 13 13-0002 Dispensers** (10 28 13 13-0001)**10 28 13 13-0003 Paper Towel Dispensers** (10 28 13 13-0002)**10 28 13 13-0004 Stainless Steel Paper Towel Dispensers** (10 28 13 13-0003)

10 28 13 13-0005	EA		Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-262).....	58.79	8.83
10 28 13 13-0006	EA		Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2620) .....	63.98	8.83
10 28 13 13-0007	EA		Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2621) .....	64.75	8.83
10 28 13 13-0008	EA		Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-26212).....	66.23	8.83
10 28 13 13-0009	EA		Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-263) .....	107.22	8.83
10 28 13 13-0010	EA		Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-359) .....	113.27	8.83
10 28 13 13-0011	EA		Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Contura B-4262) .....	129.60	8.83
10 28 13 13-0012	EA		Countertop Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick TrimLine B-526) .....	142.96	3.93
10 28 13 13-0013	EA		Concealed Cabinet, Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-318) .....	233.38	8.83
10 28 13 13-0014	EA		Touch Free, Surface Mounted, Stainless Steel Roll Paper Towel Dispenser (Bobrick B-2860).....	283.07	8.83
10 28 13 13-0015	EA		Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-4369).....	302.38	8.83
10 28 13 13-0016	EA		Recessed Automated Touchless Towel Dispenser, Stainless (Georgia-Pacific enMotion® 59466).....	163.91	8.83
10 28 13 13-0017	EA		Stainless Steel Mounting Bracket For Wall Mounting enMotion Recessed Automated Touchless Towel Dispenser (Georgia-Pacific enMotion® 59476) .....	80.43	4.91

**10 28 13 13-0018 Plastic Paper Towel Dispensers** (10 28 13 13-0003)

10 28 13 13-0019	EA		Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Folded Paper Towel Dispenser (Bobrick Matrix B-5262) .....	41.10	8.83
10 28 13 13-0020	EA		Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick Matrix B-52860) .....	100.68	8.83
10 28 13 13-0021	EA		Surface Mounted, Translucent Cover, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick B-72860).....	99.88	8.83
10 28 13 13-0022	EA		Surface Mounted, Automated Touchless Towel Dispenser, Translucent Plastic (Georgia-Pacific enMotion® 59462) .....	82.75	8.83

**10 28 13 13-0023 Aluminum Paper Towel Dispensers** (10 28 13 13-0003)

10 28 13 13-0024	EA		Surface Mounted, Heavy-Duty Aluminum Casting Roll Paper Towel Dispenser (Bobrick B-253).....	46.30	8.83
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**10 28 13 13-0025 Toilet Tissue Dispensers** (10 28 13 13-0002)**10 28 13 13-0026 Plastic Toilet Tissue Dispensers** (10 28 13 13-0025)

10 28 13 13-0027	EA		Two Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Bobrick B-5288) .....	40.91	8.83
10 28 13 13-0028	EA		Two Jumbo Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Georgia Pacific 58250) .....	158.82	8.83
10 28 13 13-0029	EA		Vertical Double Roll, Surface Mounted, Translucent Plastic Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56760).....	33.38	8.83
10 28 13 13-0030	EA		Side By Side Double Roll, Surface Mounted, Translucent Plastic Toilet Tissue Dispenser (Georgia-Pacific Compact® 56784) .....	42.23	8.83

**10 28 13 13-0031 Cast Aluminum Toilet Tissue Dispensers** (10 28 13 13-0025)

10 28 13 13-0032	EA		Single Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2730) .....	35.54	8.83
10 28 13 13-0033	EA		Single Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-273) .....	35.92	8.83
10 28 13 13-0034	EA		Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2740) .....	38.61	8.83
10 28 13 13-0035	EA		Two Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-274) .....	43.60	8.83
10 28 13 13-0036	EA		Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-27460) .....	62.05	8.83

**10 28 13 13-0037 Stainless Steel Toilet Tissue Dispensers** (10 28 13 13-0025)

10 28 13 13-0038	EA		Single Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-264) .....	28.04	8.83
10 28 13 13-0039	EA		Single Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-663) .....	53.02	8.83
10 28 13 13-0040	EA		Single Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2890).....	53.14	8.83
10 28 13 13-0041	EA		Single Fold/Double Fold, Surface Mounted, Stainless Steel Toilet Tissue Cabinet (Bobrick B-272) .....	64.94	8.83



<b>Specialties</b>	<b>10</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>	
<b>Toilet, Bath, And Laundry Accessories</b>	<b>10 28</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0042 EA Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-265) .....	35.15	8.83
10 28 13 13-0043 EA Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-2888) .....	70.89	8.83
10 28 13 13-0044 EA Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-3888) .....	102.70	8.83
10 28 13 13-0045 EA Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4288) .....	111.83	8.83
10 28 13 13-0046 EA Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4388) .....	142.30	8.83
10 28 13 13-0047 EA Two Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2892) .....	170.83	8.83
10 28 13 13-0048 EA Four Roll, Partition Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-386) .....	208.19	8.83
Note: Mounts centered through toilet partitions.		
10 28 13 13-0049 EA Stainless Steel Shelf And Double Roll Toilet Tissue Dispenser (Bobrick B-2840) .....	83.96	8.83
10 28 13 13-0050 EA Vertical Double Roll, Surface Mounted, Stainless Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56782) .....	76.45	8.83
10 28 13 13-0051 EA Side By Side Double Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Georgia-Pacific Compact® 56796) .....	58.62	8.83
<b>10 28 13 13-0052 Soap Dispensers</b> <small>(10 28 13 13-0002)</small>		
10 28 13 13-0053 EA 20 Fluid Ounce, 4" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-8221) .....	52.06	8.83
For 34 Fluid Ounce (B-822), Add	3.13	
10 28 13 13-0054 EA 20 Fluid Ounce, 6" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-82216) .....	57.83	8.83
For 34 Fluid Ounce (B-822), Add	3.13	
10 28 13 13-0055 EA 24 Fluid Ounce, Surface Mounted, Translucent Polyethylene Soap Dispenser (Bobrick B-156) .....	30.15	8.83
10 28 13 13-0056 EA 24 Fluid Ounce, Surface Mounted, Chrome-Plated, Translucent Polyethylene Soap Dispenser (Bobrick B-155) .....	34.19	8.83
10 28 13 13-0057 EA 40 Fluid Ounce, Concealed Surface Mounted, Translucent Soap Dispenser (Bobrick B-40) .....	41.08	8.83
10 28 13 13-0058 EA 40 Fluid Ounce, Surface Mounted, Translucent Plastic Soap Dispenser (Bobrick Classic B-42) .....	42.74	8.83
10 28 13 13-0059 EA 40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Classic B-2111/2112) .....	53.21	8.83
10 28 13 13-0060 EA 40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4112) .....	71.47	8.83
10 28 13 13-0061 EA 45 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick B-306) .....	129.41	8.83
10 28 13 13-0062 EA 50 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4063) .....	218.01	8.83
10 28 13 13-0063 EA 800 ml, Lavatory Mounted, Chrome Plated Automatic Soap Dispenser (Bobrick B-826.18) .....	127.74	8.83
Note: Includes start-up kit.		
<b>10 28 13 13-0064 Facial Tissue Dispensers</b> <small>(10 28 13 13-0002)</small>		
10 28 13 13-0065 EA Surface Mounted, Stainless Steel Facial Tissue Dispenser (Bobrick B-8397) .....	62.44	8.83
10 28 13 13-0066 EA Recessed Mounted, Stainless Steel Facial Tissue Dispenser (Gamco 355) .....	35.77	8.83
<b>10 28 13 13-0067 Sanitary Toilet Seat Cover Dispensers</b> <small>(10 28 13 13-0002)</small>		
10 28 13 13-0068 EA Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Sanitary Seat-Cover Dispenser (Bobrick Matrix B-5221) .....	29.38	8.83
10 28 13 13-0069 EA Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-221) .....	44.57	8.83
10 28 13 13-0070 EA Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Contura B-4221) .....	92.42	8.83
10 28 13 13-0071 EA Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-301) .....	94.25	8.83
10 28 13 13-0072 EA Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick TrimLine B-3013) .....	205.52	8.83
<b>10 28 13 13-0073 Sanitary Toilet Seat Cover/Toilet Tissue Dispensers</b> <small>(10 28 13 13-0002)</small>		
10 28 13 13-0074 EA Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick Classic B-3479) .....	343.50	8.83
10 28 13 13-0075 EA Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-34745) .....	198.93	8.83
<b>10 28 13 13-0076 Sanitary Napkin/Tampon Dispensers</b> <small>(10 28 13 13-0002)</small>		
10 28 13 13-0077 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick B-370639C) .....	427.98	8.83
10 28 13 13-0078 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Gamco B-282 25) .....	321.50	8.83
10 28 13 13-0079 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vending (Bobrick B-2706) .....	433.84	8.83
10 28 13 13-0080 EA Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick Classic B-352 25) .....	320.64	8.83
10 28 13 13-0081 EA Recessed Mounted, Single Coin Operation, Stainless Steel, Sanitary Napkin/Tampon Vendor (Gamco NV-2-4 ) .....	279.46	8.83
<b>10 28 13 13-0082 Toilet Compartment Combination Dispenser/Disposals</b> <small>(10 28 13 13-0002)</small>		
10 28 13 13-0083 EA Side Wall Recessed Mounted, Stainless Steel Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3094) .....	276.87	19.63
10 28 13 13-0084 EA Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-3474) .....	313.51	19.63
10 28 13 13-0085 EA Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-35745) .....	253.58	19.63
10 28 13 13-0086 EA Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3574) .....	372.32	19.63
10 28 13 13-0087 EA Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-347) .....	383.65	19.63
10 28 13 13-0088 EA Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-357) .....	446.88	19.63
10 28 13 13-0089 EA Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3579) .....	416.64	19.63
<b>10 28 13 13-0090 Receptacles</b> <small>(10 28 13 13-0001)</small>		
<b>10 28 13 13-0091 Wall Mounted Waste Receptacles</b> <small>(10 28 13 13-0090)</small>		
10 28 13 13-0092 EA 1-1/2 Gallon, Surface Mounted, Stainless Steel Facial Tissue Waste Receptacle (Gamco WR-3) .....	53.19	8.83
10 28 13 13-0093 EA 6.4 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-279) .....	99.34	8.83
10 28 13 13-0094 EA 12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Classic B-3644) .....	231.06	19.63
10 28 13 13-0095 EA 12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Contura B-43644) .....	360.98	19.63

**10 Specialties****10 20 Interior Specialties****10 28 Toilet, Bath, And Laundry Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0096 EA 20 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-275).....	278.15	19.63
<b>10 28 13 13-0097 Floor-Standing/Counter Waste Receptacles (10 28 13 13-0090)</b>		
10 28 13 13-0098 EA 5-7/8" Inside Diameter, 3-7/8" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-532).....	65.80	8.83
10 28 13 13-0099 EA 5-7/16" Inside Diameter, 5" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-529).....	101.45	8.83
10 28 13 13-0100 EA 13 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2260).....	216.77	3.93
10 28 13 13-0101 EA 13 Gallon, Swing-Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2250).....	332.47	3.93
10 28 13 13-0102 EA 18 Gallon, Open Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2300).....	310.91	3.93
10 28 13 13-0103 EA 21 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2280).....	298.65	3.93
<b>10 28 13 13-0104 Combination Paper Towel Dispenser/ Waste Receptacle (10 28 13 13-0090)</b>		
10 28 13 13-0105 EA 2 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-369).....	184.94	19.63
10 28 13 13-0106 EA 2.6 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Contura B-4369).....	320.04	19.63
10 28 13 13-0107 EA 12 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-3944).....	314.67	19.63
10 28 13 13-0108 EA 12 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-3900).....	474.27	19.63
10 28 13 13-0109 EA 12 Gallon, Semi-Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-3909).....	666.98	19.63
10 28 13 13-0110 EA 12 Gallon, Recessed Mounted, Stainless Steel Combination Roll Towel Dispenser / Waste Receptacle (Bobrick Classic B-3961).....	557.97	19.63
10 28 13 13-0111 EA 12 Gallon, Surface Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-3949).....	421.54	19.63
10 28 13 13-0112 EA 12 Gallon, Surface Mounted, Stainless Steel Combination Roll Towel Dispenser / Waste Receptacle (Bobrick Classic B-39619).....	705.95	19.63
10 28 13 13-0113 EA 16 Gallon, Semi-Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Contura B-43944).....	646.27	21.60
10 28 13 13-0114 EA 18 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/ Waste Receptacle (Bobrick Classic B-3947).....	421.02	21.60
<b>10 28 13 13-0115 Sanitary Napkin/Tampon Receptacles (10 28 13 13-0090)</b>		
10 28 13 13-0116 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Contura B-270).....	45.96	9.81
10 28 13 13-0117 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-254).....	109.35	9.81
10 28 13 13-0118 EA Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-353).....	120.53	9.81
10 28 13 13-0119 EA Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-35303).....	305.41	9.81
10 28 13 13-0120 EA Partition Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-354).....	153.58	9.81
10 28 13 13-0121 EA Partition Mounted, Stainless Steel Sanitary Napkin Disposal (Bobrick Contura B-4354).....	282.54	9.81
<b>10 28 13 13-0122 Grab Bars (10 28 13 13-0001)</b>		
<b>10 28 13 13-0123 1-1/4" Diameter, Stainless Steel Grab Bars (10 28 13 13-0122)</b>		
Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0124 EA 12" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Gamco 125x12).....	51.10	7.85
For Peened Grip, Add	3.36	
10 28 13 13-0125 EA 18" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x18).....	60.65	7.85
For Peened Grip, Add	4.22	
10 28 13 13-0126 EA 24" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x24).....	61.61	7.85
For Peened Grip, Add	4.31	
10 28 13 13-0127 EA 30" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x30).....	62.06	7.85
For Peened Grip, Add	4.35	
10 28 13 13-0128 EA 36" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x36).....	62.19	7.85
For Peened Grip, Add	4.36	
10 28 13 13-0129 EA 42" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x42).....	64.50	7.85
For Peened Grip, Add	4.57	
10 28 13 13-0130 EA 48" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x48).....	68.14	7.85
For Peened Grip, Add	4.90	
<b>10 28 13 13-0131 1-1/4" Diameter, Two Wall, Stainless Steel Grab Bars (10 28 13 13-0122)</b>		
Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0132 EA 24" x 36", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-58616).....	108.55	7.85
For Peened Grip, Add	8.36	
10 28 13 13-0133 EA 36" x 54", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5837).....	111.04	7.85
For Peened Grip, Add	8.58	
<b>10 28 13 13-0134 1-1/2" Diameter, Stainless Steel Grab Bars (10 28 13 13-0122)</b>		
Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0135 EA 12" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x12).....	59.86	7.85
For Peened Grip, Add	4.15	
10 28 13 13-0136 EA 18" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x18).....	60.65	7.85
For Peened Grip, Add	4.22	
10 28 13 13-0137 EA 24" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x24).....	62.19	7.85
For Peened Grip, Add	4.36	
10 28 13 13-0138 EA 30" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x30).....	63.73	7.85
For Peened Grip, Add	4.50	



<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
<b>Toilet, Bath, And Laundry Accessories</b>	<b>10 28</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0139 EA 36" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x36).....	65.65	7.85
For Peened Grip, Add	4.67	
10 28 13 13-0140 EA 42" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x42).....	67.38	7.85
For Peened Grip, Add	4.83	
10 28 13 13-0141 EA 48" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x48).....	71.60	7.85
For Peened Grip, Add	5.21	
<b>10 28 13 13-0142 1-1/2" Diameter, Two Wall, Stainless Steel Grab Bars</b> (10 28 13 13-0122)		
Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0143 EA 16" x 31", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6861).....	98.16	7.85
For Peened Grip, Add	7.42	
10 28 13 13-0144 EA 24" x 36", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68616).....	106.44	7.85
For Peened Grip, Add	8.17	
10 28 13 13-0145 EA 36" x 54", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68137).....	90.86	7.85
For Peened Grip, Add	6.76	
<b>10 28 13 13-0146 1-1/4" Diameter, Stainless Steel Swing Up Grab Bars</b> (10 28 13 13-0122)		
Note: Includes satin finish.		
10 28 13 13-0147 EA 29" Length, 1-1/4" Diameter, Stainless Steel Swing Up Grab Bar (Bobrick B-4998).....	314.34	7.85
For Peened Grip, Add	27.05	
<b>10 28 13 13-0148 Shelves</b> (10 28 13 13-0001)		
10 28 13 13-0149 EA 5" Width x 16" Length, Stainless Steel Shelf (Bobrick B-295).....	67.05	8.83
10 28 13 13-0150 EA 5" Width x 18" Length, Stainless Steel Shelf (Bobrick B-295).....	69.36	8.83
10 28 13 13-0151 EA 5" Width x 24" Length, Stainless Steel Shelf (Bobrick B-295).....	79.93	8.83
10 28 13 13-0152 EA 5" Width x 36" Length, Stainless Steel Shelf (Gamco S-5x36).....	82.59	8.83
10 28 13 13-0153 EA 6" Width x 18" Length, Stainless Steel Shelf (Bobrick B-296).....	78.40	8.83
10 28 13 13-0154 EA 6" Width x 24" Length, Stainless Steel Shelf (Gamco S-6x24).....	79.65	8.83
10 28 13 13-0155 EA 8" Width x 18" Length, Stainless Steel Shelf (Bobrick B-298).....	85.89	8.83
10 28 13 13-0156 EA 8" Width x 24" Length, Stainless Steel Shelf (Bobrick B-298).....	94.92	8.83
10 28 13 13-0157 EA 8" Width x 36" Length, Stainless Steel Shelf (Gamco S-8x36).....	114.00	8.83
10 28 13 13-0158 EA 5-3/4" Width x 14-1/2" Length, Folding Stainless Steel Utility Shelf (Bobrick B-287).....	86.08	8.83
10 28 13 13-0159 EA 4-3/4" Width x 24" Length, Stainless Steel Toiletry Shelf (Bobrick B-683).....	88.00	8.83
10 28 13 13-0160 EA 12" Width x 24" Length, Stainless Steel Shelf (Bradley 7512-24).....	369.89	8.83
10 28 13 13-0161 EA 12" Width x 30" Length, Stainless Steel Shelf (Bradley 7512-30).....	400.66	8.83
10 28 13 13-0162 EA 12" Width x 36" Length, Stainless Steel Shelf (Bradley 7512-36).....	448.16	8.83
10 28 13 13-0163 EA 12" Width x 48" Length, Stainless Steel Shelf (Bradley 7512-48).....	577.39	8.83
10 28 13 13-0164 EA 12" Width x 60" Length, Stainless Steel Shelf (Bradley 7512-60).....	812.82	8.83
10 28 13 13-0165 EA 4-1/4" Width x 16-1/2" Length x 6-1/2" Height, Recessed Stainless Steel Shelf (American Specialties 0412).....	273.60	8.83
<b>10 28 13 13-0166 Changing Stations</b> (10 28 13 13-0001)		
10 28 13 13-0167 EA Horizontal, Wall-Mounted, Polyethylene Baby Changing Station (Gamco BCS-1).....	273.54	11.78
10 28 13 13-0168 EA Vertical, Wall-Mounted, Polyethylene Baby Changing Station (Bobrick Koala Care KB101-00).....	292.10	11.78
10 28 13 13-0169 EA Horizontal, Wall-Mounted, Polypropylene Baby Changing Station (Bobrick Koala Care KB200-00).....	234.64	11.78
10 28 13 13-0170 EA Horizontal, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSRE).....	1,261.81	11.78
10 28 13 13-0171 EA Horizontal, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSWM).....	1,502.61	11.78
10 28 13 13-0172 EA Vertical, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSRE).....	1,261.81	11.78
10 28 13 13-0173 EA Vertical, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSWM).....	1,502.61	11.78
<b>10 28 13 13-0174 Folding Shower Seats</b> (10 28 13 13-0001)		
10 28 13 13-0175 EA 33" Width, Wall-Mounted, Reversible, Folding, Stainless Steel Hardware, Solid Phenolic Shower Seat (Bobrick B-5181).....	334.31	15.71
10 28 13 13-0176 EA 33" Width, Wall-Mounted, Foam Padded, Naugahyde® Folding Shower Seat (Bobrick B-517/518).....	455.38	15.71
10 28 13 13-0177 EA 30" Width, Wall-Mounted, Teakwood Folding Shower Seat.....	1,051.06	15.71
10 28 13 13-0178 EA 33-1/2" Width, Wall-Mounted, Stainless Steel, ADA Folding Shower Seat, (Acorn Shower-Ware 1103-31/1103-32).....	2,062.51	
<b>10 28 13 13-0179 Soap/Dish Holders</b> (10 28 13 13-0001)		
10 28 13 13-0180 EA Surface Mounted, Stainless Steel Toothbrush and Tumbler Holder (Gamco 7679).....	25.98	8.83
10 28 13 13-0181 EA Surface Mounted, Stainless Steel Soap Dish (Gamco 7680).....	27.32	8.83
10 28 13 13-0182 EA Recessed Mounted, Stainless Steel Soap Dish (Bobrick B-4380).....	57.15	8.83
10 28 13 13-0183 EA Recessed Mounted, Stainless Steel Soap Dish And Bar (Bobrick B-4390).....	63.88	8.83
<b>10 28 13 13-0184 Shower Curtains/Curtain Rods</b> (10 28 13 13-0001)		
10 28 13 13-0185 EA Stainless Steel Shower Curtain Hook (Bobrick B-204-1).....	1.39	0.39
10 28 13 13-0186 EA 42" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-2).....	27.27	3.93
Note: Requires 7 curtain hooks.		
10 28 13 13-0187 EA 70" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-3).....	28.90	3.93
Note: Requires 12 curtain hooks.		
10 28 13 13-0188 EA 36" Length, 20 Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207).....	44.76	8.83
10 28 13 13-0189 EA 48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207).....	48.99	8.83
10 28 13 13-0190 EA 60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207).....	54.18	8.83
10 28 13 13-0191 EA 72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207).....	60.52	8.83
10 28 13 13-0192 EA 36" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x36).....	37.46	8.83
10 28 13 13-0193 EA 48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x48).....	42.45	8.83

**10 Specialties****10 20 Interior Specialties****10 28 Toilet, Bath, And Laundry Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0194 EA 60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x60).....	45.34	8.83
10 28 13 13-0195 EA 72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x72).....	48.99	8.83
10 28 13 13-0196 EA 36" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047).....	39.57	8.83
10 28 13 13-0197 EA 48" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047).....	43.80	8.83
10 28 13 13-0198 EA 60" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047).....	48.79	8.83
10 28 13 13-0199 EA 72" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047).....	52.25	8.83
<b>10 28 13 13-0200 Hand Dryers</b> <small>(10 28 13 13-0001)</small>		
10 28 13 13-0201 EA Surface Mounted, Automatic Sensor, One Piece Plastic Cover Hand Dryer (Bobrick CompacDryer B-710).....	352.68	18.38
10 28 13 13-0202 EA Surface Mounted, Automatic Sensor, Cast Aluminum Cover Hand Dryer (Bobrick B-7120-115V).....	380.92	18.38
10 28 13 13-0203 EA Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-7128 230V).....	423.59	18.38
10 28 13 13-0204 EA Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-750-115/230).....	605.74	18.38
10 28 13 13-0205 EA Surface Mounted, Touch-Button, Cast-Iron Cover Hand Dryer (World Dryer A).....	1,202.79	18.38
10 28 13 13-0206 EA Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (World Dryer A).....	1,362.46	18.38
10 28 13 13-0207 EA Surface Mounted, Touch-Button, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60).....	1,216.78	18.38
10 28 13 13-0208 EA Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60T).....	1,266.55	18.38
10 28 13 13-0209 EA Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60TR).....	1,319.65	18.38
10 28 13 13-0210 EA Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Excel Xlerator XL-GR).....	1,574.32	18.38
10 28 13 13-0211 EA Surface Mounted, Automatic Sensor, 22 Gauge Steel Cover Hand Dryer (Bobrick B-7120).....	315.23	18.38
10 28 13 13-0212 EA Surface Mounted, Automatic Sensor, 18 Gauge Stainless Steel Cover Hand Dryer (Bobrick B-7128-115V).....	363.51	18.38
10 28 13 13-0213 EA Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (World Dryer RA).....	1,148.12	18.38
10 28 13 13-0214 EA Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (World Dryer XRA).....	1,236.14	18.38
10 28 13 13-0215 EA Recessed Mounted, Automatic Sensor, Stainless Steel Cover Hand/Hair Dryer (World Dryer DXRA).....	1,467.93	18.38
10 28 13 13-0216 EA Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB12).....	987.08	18.38
10 28 13 13-0217 EA Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB14).....	1,657.27	18.38
10 28 13 13-0218 EA Surface Mounted, Automatic Sensor, White ABS Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9).....	730.11	18.38
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0219 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-M).....	770.72	18.38
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0220 EA Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-BG).....	793.93	18.38
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0221 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-C).....	817.14	18.38
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0222 EA Surface Mounted, Automatic Sensor, Stainless Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-SS).....	863.56	18.38
Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0223 EA Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9).....	590.86	18.38
Note: Electronically adjustable sound and speed.		
10 28 13 13-0224 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-M).....	631.48	18.38
Note: Electronically adjustable sound and speed.		
10 28 13 13-0225 EA Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-BG).....	654.68	18.38
Note: Electronically adjustable sound and speed.		
10 28 13 13-0226 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-C).....	677.89	18.38
Note: Electronically adjustable sound and speed.		
10 28 13 13-0227 EA Surface Mounted, Automatic Sensor, Stainless Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-SS).....	724.31	18.38
Note: Electronically adjustable sound and speed.		
10 28 13 13-0228 EA Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7).....	590.86	18.38
Note: Electronically adjustable sound and speed.		
10 28 13 13-0229 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-M).....	631.48	18.38
Note: Electronically adjustable sound and speed.		
10 28 13 13-0230 EA Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-BG).....	654.68	18.38
Note: Electronically adjustable sound and speed.		
10 28 13 13-0231 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-C).....	677.89	18.38
Note: Electronically adjustable sound and speed.		
10 28 13 13-0232 EA Surface Mounted, Stainless Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-SS).....	724.31	18.38
Note: Electronically adjustable sound and speed.		
10 28 13 13-0233 EA Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90).....	428.41	18.38
10 28 13 13-0234 EA Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-M).....	469.02	18.38
10 28 13 13-0235 EA Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-BG).....	492.23	18.38
10 28 13 13-0236 EA Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-C).....	515.44	18.38
10 28 13 13-0237 EA Surface Mounted, Stainless Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-SS).....	561.85	18.38
10 28 13 13-0238 EA Surface Mounted, Automatic Sensor, White ABS Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90H).....	428.41	18.38



<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
<b>Toilet, Bath, And Laundry Accessories</b>	<b>10 28</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0239	EA		Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-MH).....	469.02	18.38
10 28 13 13-0240	EA		Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-BGH) .....	492.23	18.38
10 28 13 13-0241	EA		Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-CH).....	515.44	18.38
10 28 13 13-0242	EA		Surface Mounted, Automatic Sensor, Stainless Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-SSH) .....	561.85	18.38
10 28 13 13-0243	EA		Surface Mounted, Automatic Sensor, ABS Cover, Hand Dryer (American Dryer GX1) .....	312.37	18.38
10 28 13 13-0244	EA		Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Hand Dryer (American Dryer GX1-M) .....	352.98	18.38
10 28 13 13-0245	EA		Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Hand Dryer (American Dryer GX1-C).....	399.40	18.38
<b>10 28 13 13-0246</b>			<b>Hand Dryers (Excel XLERATOR®)</b> <small>(10 28 13 13-0001)</small>		
			Note: With or without noise reduction nozzle options.		
10 28 13 13-0247	EA		Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-W) .....	606.70	18.38
			<i>For ADA-Compliant Recess Kit, Add</i>	153.57	
10 28 13 13-0248	EA		Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer With HEPA Filtration System (Excel XLERATOR® XL-WH) .....	852.71	18.38
			<i>For ADA-Compliant Recess Kit, Add</i>	153.57	
10 28 13 13-0249	EA		Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-GR) .....	711.16	18.38
			<i>For ADA-Compliant Recess Kit, Add</i>	153.57	
10 28 13 13-0250	EA		Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover Hand Dryer With HEPA Filtration System (Excel Xlerator XL-GRH) .....	888.10	18.38
			<i>For ADA-Compliant Recess Kit, Add</i>	153.57	
10 28 13 13-0251	EA		Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-C) .....	764.24	18.38
			<i>For ADA-Compliant Recess Kit, Add</i>	153.57	
10 28 13 13-0252	EA		Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer With HEPA Filtration System (Excel XLERATOR® XL-CH) .....	941.18	18.38
			<i>For ADA-Compliant Recess Kit, Add</i>	153.57	
10 28 13 13-0253	EA		Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer (Excel XLERATOR® XL-SB) .....	764.24	18.38
			<i>For ADA-Compliant Recess Kit, Add</i>	153.57	
10 28 13 13-0254	EA		Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer With HEPA Filtration System (Excel XLERATOR® XL-SBH) .....	941.18	18.38
			<i>For ADA-Compliant Recess Kit, Add</i>	153.57	
10 28 13 13-0255	EA		Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-SP) .....	711.16	18.38
			<i>For ADA-Compliant Recess Kit, Add</i>	153.57	
10 28 13 13-0256	EA		Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer With HEPA Filtration System (Excel XLERATOR® XL-SPH) .....	888.10	18.38
			<i>For ADA-Compliant Recess Kit, Add</i>	153.57	
10 28 13 13-0257	EA		Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer (Excel XLERATOR® XL-BW) .....	640.39	18.38
			<i>For ADA-Compliant Recess Kit, Add</i>	153.57	
10 28 13 13-0258	EA		Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer With HEPA Filtration System (Excel XLERATOR® XL-BWH).....	817.33	18.38
			<i>For ADA-Compliant Recess Kit, Add</i>	153.57	
10 28 13 13-0259	EA		Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATORReco® XL-W-ECO).....	606.70	18.38
			<i>For ADA-Compliant Recess Kit, Add</i>	153.57	
10 28 13 13-0260	EA		Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With HEPA Filtration System (Excel XLERATORReco® XL-WH-ECO).....	852.71	18.38
			<i>For ADA-Compliant Recess Kit, Add</i>	153.57	
10 28 13 13-0261	EA		Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATORReco® XL-GR-ECO) .....	711.16	18.38
			<i>For ADA-Compliant Recess Kit, Add</i>	153.57	
10 28 13 13-0262	EA		Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With HEPA Filtration System (Excel XLERATORReco® XL-GRH-ECO) .....	888.10	18.38
			<i>For ADA-Compliant Recess Kit, Add</i>	153.57	
10 28 13 13-0263	EA		Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATORReco® XL-C-ECO) .....	764.24	18.38
			<i>For ADA-Compliant Recess Kit, Add</i>	153.57	
10 28 13 13-0264	EA		Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With HEPA Filtration System (Excel XLERATORReco® XL-CH-ECO).....	941.18	18.38
			<i>For ADA-Compliant Recess Kit, Add</i>	153.57	
10 28 13 13-0265	EA		Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer (Excel XLERATORReco® XL-SB-ECO) .....	764.24	18.38
			<i>For ADA-Compliant Recess Kit, Add</i>	153.57	
10 28 13 13-0266	EA		Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer With HEPA Filtration System (Excel XLERATORReco® XL-SBH-ECO) .....	941.18	18.38
			<i>For ADA-Compliant Recess Kit, Add</i>	153.57	
10 28 13 13-0267	EA		Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATORReco® XL-SP-ECO) .....	711.16	18.38
			<i>For ADA-Compliant Recess Kit, Add</i>	153.57	
10 28 13 13-0268	EA		Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With HEPA Filtration System (Excel XLERATORReco® XL-SPH-ECO) .....	888.10	18.38
			<i>For ADA-Compliant Recess Kit, Add</i>	153.57	
10 28 13 13-0269	EA		Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer (Excel XLERATORReco® XL-BW-ECO) .....	640.39	18.38
			<i>For ADA-Compliant Recess Kit, Add</i>	153.57	

**10 Specialties****10 20 Interior Specialties****10 28 Toilet, Bath, And Laundry Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0270	EA		Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer With HEPA Filtration System (Excel XLERATOReco® XL-BWH-ECO).....	817.33	18.38
			<i>For ADA-Compliant Recess Kit, Add</i>	153.57	
<b>10 28 13 13-0271</b>			<b>Additional Accessories</b> (10 28 13 13-0001)		
<b>10 28 13 13-0272</b>			<b>Hooks</b> (10 28 13 13-0271)		
10 28 13 13-0273	EA		Stainless Steel Clothes Hook And Bumper (Bobrick B-212).....	14.20	3.93
10 28 13 13-0274	EA		Single Stainless Steel Robe Hook (Bobrick B-233).....	18.42	3.93
10 28 13 13-0275	EA		Single Stainless Steel Robe Hook (Bobrick B-7671).....	14.58	3.93
10 28 13 13-0276	EA		Double Stainless Steel Robe Hook (Bobrick B-7672).....	16.46	3.93
10 28 13 13-0277	EA		Double Stainless Steel Robe Hook (Bobrick B-672 or B-6727).....	32.25	3.93
10 28 13 13-0278	EA		Single Stainless Steel Robe Hook (Bobrick B-6717).....	28.41	3.93
<b>10 28 13 13-0279</b>			<b>Clotheslines</b> (10 28 13 13-0271)		
10 28 13 13-0280	EA		Surface Mounted, Stainless Steel Retractable Clothesline (Gamco 7636).....	24.81	7.85
<b>10 28 13 13-0281</b>			<b>Towel Bars</b> (10 28 13 13-0271)		
10 28 13 13-0282	EA		18" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x18).....	29.86	8.83
10 28 13 13-0283	EA		24" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x24).....	30.00	8.83
10 28 13 13-0284	EA		18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x18).....	35.64	8.83
10 28 13 13-0285	EA		24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x24).....	36.18	8.83
10 28 13 13-0286	EA		18" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673).....	60.90	8.83
10 28 13 13-0287	EA		24" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673).....	64.17	8.83
10 28 13 13-0288	EA		18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674).....	63.40	8.83
10 28 13 13-0289	EA		24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674).....	66.09	8.83
10 28 13 13-0290	EA		18" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205).....	70.90	8.83
10 28 13 13-0291	EA		24" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205).....	73.76	8.83
10 28 13 13-0292	EA		18" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530).....	49.95	8.83
10 28 13 13-0293	EA		24" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530).....	52.44	8.83
<b>10 28 13 13-0294</b>			<b>Towel Bar With Shelf</b> (10 28 13 13-0271)		
10 28 13 13-0295	EA		24" Length, Stainless Steel Towel Shelf With Towel Bar (Bobrick B-676).....	133.93	8.83
<b>10 28 13 13-0296</b>			<b>Towel Pins</b> (10 28 13 13-0271)		
10 28 13 13-0297	EA		Stainless Steel Towel Pin (Bobrick B-677).....	30.91	3.93
<b>10 28 13 13-0298</b>			<b>Drinking Fountain Grab Bars</b> (10 28 13 13-0001)		
<b>10 28 13 13-0299</b>			<b>1-1/4" Diameter, Stainless Steel Drinking Fountain Grab Bars</b> (10 28 13 13-0298)		
			Note: Includes two wall and one floor concealed mounting with snap flange. 33" high x 18" deep, second rail 6" off ground.		
10 28 13 13-0300	EA		1-1/4" Diameter, Satin Stainless Steel Drinking Fountain Grab Bars.....	149.27	7.85
10 28 13 13-0301	EA		1-1/4" Diameter, Peened Stainless Steel Drinking Fountain Grab Bars.....	174.48	7.85
10 28 13 13-0302	EA		1-1/4" Diameter, Anti-Slip Stainless Steel Drinking Fountain Grab Bars.....	221.11	7.85
10 28 13 13-0303	EA		1-1/4" Diameter, Bright Or Bright Peened Stainless Steel Drinking Fountain Grab Bars.....	289.18	7.85
<b>10 28 13 13-0304</b>			<b>1-1/2" Diameter, Stainless Steel Drinking Fountain Grab Bars</b> (10 28 13 13-0298)		
			Note: Includes two wall and one floor concealed mounting with snap flange. 33" high x 18" deep, second rail 6" off ground.		
10 28 13 13-0305	EA		1-1/2" Diameter, Satin Stainless Steel Drinking Fountain Grab Bars.....	160.61	7.85
10 28 13 13-0306	EA		1-1/2" Diameter, Peened Stainless Steel Drinking Fountain Grab Bars.....	185.82	7.85
10 28 13 13-0307	EA		1-1/2" Diameter, Anti-Slip Stainless Steel Drinking Fountain Grab Bars.....	234.98	7.85
10 28 13 13-0308	EA		1-1/2" Diameter, Bright Or Bright Peened Stainless Steel Drinking Fountain Grab Bars.....	301.79	7.85
<b>10 28 13 13-0309</b>			<b>1-1/2" Diameter, Steel Drinking Fountain Grab Bars</b> (10 28 13 13-0298)		
			Note: Includes three wall and one floor concealed mounting with snap flange.		
10 28 13 13-0310	EA		1-1/2" Diameter, Steel Drinking Fountain Grab Bars, 42" High.....	129.88	7.85
<b>10 28 13 13-0311</b>			<b>Mirrors</b> (10 28 13 13)		
<b>10 28 13 13-0312</b>			<b>Stainless Steel Channel Frame Glass Mirrors</b> (10 28 13 13-0311)		
10 28 13 13-0313	EA		16" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-16x24).....	55.15	9.81
10 28 13 13-0314	EA		18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1824).....	65.70	9.81
10 28 13 13-0315	EA		18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1830).....	69.35	9.81
			<i>For Tempered Glass (B-165B), Add</i>	30.67	
10 28 13 13-0316	EA		18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1836).....	76.84	9.81
			<i>For Tempered Glass (B-165B), Add</i>	35.92	
10 28 13 13-0317	EA		24" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2430).....	86.45	9.81
10 28 13 13-0318	EA		24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2436).....	90.49	9.81
			<i>For Tempered Glass (B-165B), Add</i>	45.47	
10 28 13 13-0319	EA		24" x 48", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2448).....	117.01	9.81



<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
Toilet, Bath, And Laundry Accessories	10 28

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0320 EA 24" x 60", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2460).....	138.73	9.81
10 28 13 13-0321 EA 36" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-36x36).....	171.92	9.81
10 28 13 13-0322 EA 48" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 4836).....	222.33	9.81
10 28 13 13-0323 EA 60" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-60x36).....	252.96	9.81
<b>10 28 13 13-0324 Stainless Steel Channel Frame Glass Mirror/Shelf Combination (10 28 13 13-0311)</b>		
10 28 13 13-0325 EA 18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1824).....	122.00	9.81
10 28 13 13-0326 EA 18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1830).....	133.34	9.81
10 28 13 13-0327 EA 18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1836).....	140.84	9.81
10 28 13 13-0328 EA 24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 2436).....	161.98	9.81
<b>10 28 13 13-0329 Stainless Steel Angle Frame Glass Mirrors (10 28 13 13-0311)</b>		
10 28 13 13-0330 EA 18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1824).....	106.03	9.81
10 28 13 13-0331 EA 18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1830).....	118.55	9.81
For Tempered Glass (B-2908), Add	61.39	
10 28 13 13-0332 EA 18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1836).....	122.77	9.81
For Tempered Glass (B-2908), Add	64.18	
10 28 13 13-0333 EA 24" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2430).....	147.76	9.81
10 28 13 13-0334 EA 24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2436).....	148.72	9.81
For Tempered Glass (B-2908), Add	81.31	
10 28 13 13-0335 EA 24" x 48", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2448).....	206.57	9.81
10 28 13 13-0336 EA 24" x 60", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2460).....	246.92	9.81
10 28 13 13-0337 EA 24" x 72", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2472).....	284.60	9.81
10 28 13 13-0338 EA 36" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-36x36).....	182.01	9.81
10 28 13 13-0339 EA 48" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-48x36).....	226.92	9.81
10 28 13 13-0340 EA 72" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-72x36).....	359.76	9.81
<b>10 28 13 13-0341 Stainless Steel Angle Frame Glass Mirror/Shelf Combination (10 28 13 13-0311)</b>		
10 28 13 13-0342 EA 18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Gamco AS-18x24).....	110.41	9.81
10 28 13 13-0343 EA 18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1830).....	240.20	9.81
10 28 13 13-0344 EA 18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1836).....	252.89	9.81
10 28 13 13-0345 EA 24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-2436).....	284.60	9.81
<b>10 28 13 13-0346 Frameless Stainless Steel Mirrors (10 28 13 13-0311)</b>		
10 28 13 13-0347 EA 17-1/2" x 29-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 1830).....	121.62	9.81
10 28 13 13-0348 EA 23-1/2" x 35-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 2436).....	164.09	9.81
<b>10 28 13 13-0349 Fixed-Position Tilt, Stainless Steel Frame Glass Mirrors (10 28 13 13-0311)</b>		
10 28 13 13-0350 EA 16" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1630).....	173.70	9.81
10 28 13 13-0351 EA 18" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1830).....	181.97	9.81
10 28 13 13-0352 EA 18" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1836).....	225.21	9.81
10 28 13 13-0353 EA 24" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 2436).....	282.29	9.81
<b>10 28 13 13-0354 Medicine Cabinets (10 28 13 13)</b>		
<b>10 28 13 13-0355 Metal Medicine Cabinets (10 28 13 13-0354)</b>		
10 28 13 13-0356 EA 20" x 26", Surface Mounted, Aluminum Medicine Cabinet (Kohler K-CB).....	407.83	19.63
10 28 13 13-0357 EA 15-1/2" x 25-7/8", Recessed Mounted, All-Steel Medicine Cabinet (Bobrick B-397).....	136.42	19.63
Note: Includes three adjustable plastic shelves.		
10 28 13 13-0358 EA 14-1/8" x 20-1/4", Surface Mounted, All-Steel Medicine Cabinet (Bobrick B-297).....	141.89	19.63
Note: Includes two fixed shelves with baked white enamel finish.		
10 28 13 13-0359 EA 15-1/4" x 25-1/2", Recessed Mounted, Stainless Steel Medicine Cabinet (Bobrick B-398).....	350.41	19.63
Note: Includes four adjustable stainless steel shelves.		
10 28 13 13-0360 EA 17" x 26-7/8", Surface Mounted, Stainless Steel Medicine Cabinet (Bobrick B-299).....	493.59	19.63
Note: Includes four adjustable shelves.		
<b>10 28 13 13-0361 Janitorial Material (10 28 13 13)</b>		
10 28 13 13-0362 EA Stainless Steel Pail And Ladder Utility Hook (Bobrick B-670).....	28.41	3.93
10 28 13 13-0363 EA 24" Length, Stainless Steel Utility Hook Strip (Bobrick B-232x24).....	76.47	8.83
10 28 13 13-0364 EA 24" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x24).....	73.01	8.83
10 28 13 13-0365 EA 30" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Gamco MS-1).....	85.18	8.83
10 28 13 13-0366 EA 36" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x36).....	97.23	8.83
10 28 13 13-0367 EA 36" Length, Utility Hook Strip (Gamco HCS-2).....	59.50	8.83
10 28 13 13-0368 EA 36" Length, Stainless Steel Custodian Utility Shelf With Mop And Broom Holders And Rag Hooks (Bobrick B-224x36).....	194.47	8.83
10 28 13 13-0369 EA 34" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder With Shelf And Rag Hooks (Bobrick B-239x34).....	287.30	8.83
<b>10 28 13 13-0370 Remove And Reinstall Bathroom Accessories (10 28 13 13)</b>		



**10 Specialties****10 20 Interior Specialties****10 28 Toilet, Bath, And Laundry Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0371 EA Removal And Reinstallation Of Bathroom Accessory.....	12.27	
<b>10 28 13 63 Detention Toilet Accessories (10 28 13)</b>		
<b>10 28 13 63-0001 1-1/2" Diameter, 18 Gauge, Stainless Steel Suicide Resistant Security Grab Bar (10 28 13 63)</b>		
10 28 13 63-0002 EA 18" Length, 1-1/2" Diameter, 18 Gauge, Stainless Steel Suicide Resistant Security Grab Bar (Bradley SA70-001180).....	104.19	7.85
10 28 13 63-0003 EA 24" Length, 1-1/2" Diameter, 18 Gauge, Stainless Steel Suicide Resistant Security Grab Bar (Bradley SA70-001240).....	109.25	7.85
10 28 13 63-0004 EA 36" Length, 1-1/2" Diameter, 18 Gauge, Stainless Steel Suicide Resistant Security Grab Bar (Bradley SA70-001360).....	112.62	7.85
10 28 13 63-0005 EA 42" Length, 1-1/2" Diameter, 18 Gauge, Stainless Steel Suicide Resistant Security Grab Bar (Bradley SA70-001420).....	125.55	7.85
10 28 13 63-0006 EA 60" Length, 1-1/2" Diameter, 18 Gauge, Stainless Steel Suicide Resistant Security Grab Bar (Bradley SA70-002600).....	263.14	7.85
<b>10 28 16 Bath Accessories (10 28)</b>		
<b>10 28 16 13 Residential Bath Accessories (10 28 16)</b>		
<b>10 28 16 13-0001 Residential Toilet Accessories (10 28 16 13)</b>		
<b>10 28 16 13-0002 Residential, Surface Mounted, Porcelain Toilet Accessories (10 28 16 13-0001)</b>		
10 28 16 13-0003 EA Surface Mounted Porcelain Wall Soap Holder.....	23.10	5.30
10 28 16 13-0004 EA Surface Mounted Porcelain Bath/Shower Soap Dish.....	27.82	5.30
10 28 16 13-0005 EA Surface Mounted Porcelain 1 Roll Toilet Paper Holder.....	27.43	5.30
10 28 16 13-0006 EA Surface Mounted Porcelain Toothbrush/Tumbler Holder.....	23.10	5.30
10 28 16 13-0007 EA Surface Mounted Porcelain Towel Bar Set With Plastic Bar.....	26.41	5.30
<b>10 28 16 13-0008 Residential Medicine Cabinets With Mirrors (10 28 16 13-0001)</b>		
10 28 16 13-0009 EA 16" x 20" Recessed Molded Medicine Cabinet With Mirror (Nutone 401ADJ).....	72.24	13.75
10 28 16 13-0010 EA 16" x 22" Recessed Molded Medicine Cabinet With Mirror (Nutone 407ADJ).....	71.61	13.75
10 28 16 13-0011 EA 16" x 26" Recessed Molded Medicine Cabinet With Mirror (Nutone 624).....	98.84	13.75
10 28 16 13-0012 EA 16" x 26" Stainless Trim, Plastic Body Medicine Cabinet With Mirror (Nutone B772193).....	92.52	13.75
10 28 16 13-0013 EA 16" x 22" Recessed Steel Medicine Cabinet With Mirror (Nutone 420BC).....	94.40	13.75
10 28 16 13-0014 EA 16" x 22" Recessed Steel Medicine Cabinet With Mirror (Nutone 421BC).....	101.64	13.75
10 28 16 13-0015 EA 18" x 24" Recessed Steel Medicine Cabinet With Mirror (Nutone 490).....	164.23	13.75
10 28 16 13-0016 EA 16" x 26" Recessed Steel Medicine Cabinet With Mirror (Nutone 458).....	112.80	13.75
10 28 16 13-0017 EA 20" x 30" Recessed Steel Medicine Cabinet With Mirror (Nutone 495).....	191.23	13.75
10 28 16 13-0018 EA 16" x 26" Recessed Steel Medicine Cabinet With Mirror (Nutone 470FS).....	131.17	13.75
10 28 16 13-0019 EA 16-1/8" x 22-1/8" Surface Steel Medicine Cabinet With Mirror (Nutone 472FS).....	123.39	13.75
10 28 16 13-0020 EA 16" x 22" Recessed Steel Medicine Cabinet With Mirror (Nutone 473FS).....	124.73	13.75
10 28 16 13-0021 EA 16" x 26" Recessed Steel Medicine Cabinet With Mirror (Nutone 478FS).....	117.56	13.75
10 28 16 13-0022 EA 14" x 20" Surface Steel Medicine Cabinet With Mirror (Nutone 422SM).....	93.22	13.75
10 28 16 13-0023 EA 16" x 22" Surface Steel Medicine Cabinet With Mirror (Nutone 452SM).....	113.64	13.75
10 28 16 13-0024 EA 16-1/4" x 22-1/4" Molded Steel Medicine Cabinet With Mirror (Nutone 614).....	91.19	13.75
<b>10 28 16 13-0025 Residential Shower Curtain Rod (10 28 16 13-0001)</b>		
Note: Includes end brackets. See CSI section 10 28 13 13-0184 for shower curtain rods.		
10 28 16 13-0026 EA Shower Curtain Rod, Polished Chrome.....	53.21	12.76
<b>10 28 16 13-0027 Residential, Recessed, Chrome Plated Toilet Accessories (10 28 16 13-0001)</b>		
10 28 16 13-0028 EA Single Roll, Recessed Mounted, Chrome Plated Toilet Paper Holder.....	55.29	8.83
10 28 16 13-0029 EA Recessed Mounted, Chrome Plated Soap Dish.....	87.93	8.83
10 28 16 13-0030 EA Recessed Mounted, Chrome Plated Soap Dish And Bar.....	94.57	8.83
10 28 16 13-0031 EA Recessed Mounted, Chrome Plated Tumbler Holder.....	58.10	8.83
<b>10 28 16 13-0032 Residential, Surface Mounted, Chrome Plated Toilet Accessories (10 28 16 13-0001)</b>		
10 28 16 13-0033 EA Surface Mounted, Chrome Plated Soap Dish.....	38.29	5.89
10 28 16 13-0034 EA Surface Mounted, Chrome Plated Single Clothes Hook.....	45.69	5.89
10 28 16 13-0035 EA Surface Mounted, Chrome Plated Double Clothes Hook.....	45.69	5.89
10 28 16 13-0036 LF 6" Deep, Surface Mounted, Chrome Plated Supports, Glass Shelf.....	103.38	5.89
10 28 16 13-0037 LF 6" Deep, Surface Mounted, Stainless Steel Shelf.....	84.77	5.89
10 28 16 13-0038 EA 18" Length, Surface Mounted, Chrome Plated Towel Bar.....	48.86	7.85
10 28 16 13-0039 EA 24" Length, Surface Mounted, Chrome Plated Towel Bar.....	49.69	7.85
10 28 16 13-0040 EA Surface Mounted, Chrome Plated Towel Ring.....	36.47	5.89
10 28 16 13-0041 EA Surface Mounted, Chrome Plated Tumbler And Toothbrush Holder.....	32.40	8.83
10 28 16 13-0042 EA Single Roll, Surface Mounted, Chrome Plated Toilet Paper Holder.....	38.29	5.89
10 28 16 13-0043 EA Two Roll, Surface Mounted, Chrome Plated Toilet Paper Holder.....	87.90	5.89
10 28 16 13-0044 EA Surface Mounted, Chrome Plated Globe Soap Dispenser.....	48.25	5.89
10 28 16 13-0045 EA Surface Mounted, Chrome Plated Towel Pin.....	51.60	5.89
10 28 16 13-0046 EA Surface Mounted, Chrome Plated Towel Ladder And Shelf.....	164.39	5.89
10 28 16 13-0047 EA Surface Mounted, Retractable Chrome Plated Bath/Shower Clothesline.....	81.13	5.89
10 28 16 13-0048 EA 24" Length, Cut To Size Towel Bar, Surface Mounted, Ceramic Base Towel Bar.....	38.66	5.89



<b>Specialties</b>	<b>10</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>	
<b>Toilet, Bath, And Laundry Accessories</b>	<b>10 28</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>10 28 16 13-0049 Residential, Ceramic Toilet Accessories</b> <small>(10 28 16 13-0001)</small>		
10 28 16 13-0050	EA 4-1/8" x 4-1/8" x 2-7/8" Deep Ceramic Recessed Soap Dish.....	54.39 8.12
10 28 16 13-0051	EA 6" x 4-1/4" x 3-1/8" Deep Ceramic Recessed Soap Dish.....	67.32 8.12
10 28 16 13-0052	EA 8-1/8" x 15-3/8" x 2-7/8" Deep Ceramic Recessed Soap And Suds.....	125.04 10.21
10 28 16 13-0053	EA 6" x 6" x 3-1/4" Deep Ceramic Recessed Toilet Paper Holder.....	62.15 8.12
10 28 16 13-0054	EA 6" x 6" x 4-7/8" Deep Ceramic Recessed Soap And Cloth Holder With Lip Drain.....	82.84 8.12
10 28 16 13-0055	EA 6-3/8" x 4-3/4" x 1-3/8" Deep Ceramic Semi-Recessed Soap Dish.....	47.92 8.12
10 28 16 13-0056	EA 6-3/8" x 6-3/8" x 1-3/4" Deep Ceramic Semi-Recessed Soap Dish.....	52.57 8.12
10 28 16 13-0057	EA 6-5/8" x 5" x 2-3/8" Deep Ceramic Semi-Recessed Toilet Paper Holder.....	45.33 8.12
10 28 16 13-0058	EA 6-5/8" x 4-7/8" x 2-3/8" Deep Ceramic Semi-Recessed Soap And Cloth Holder.....	49.21 8.12
10 28 16 13-0059	EA 7-1/4" x 3" Ceramic Surface Mounted Corner Shelf.....	52.42 5.30
10 28 16 13-0060	EA 4-1/2" x 2-1/4" Ceramic Surface Mounted Corner Shelf.....	45.90 5.30
10 28 16 13-0061	EA 4" x 6" Ceramic Surface Mounted Toilet Paper Holder.....	33.02 5.30
10 28 16 13-0062	EA 4" x 6" Ceramic Surface Mounted Tub Soap Dish.....	33.35 5.30
10 28 16 13-0063	EA 4-1/4" x 4-1/4" Ceramic Surface Mounted Soap Dish.....	30.40 5.30
10 28 16 13-0064	EA 2-1/8" x 4-1/4" Ceramic Surface Mounted Low Profile Soap Dish.....	26.47 5.30
10 28 16 13-0065	EA 4" x 6" Ceramic Surface Mounted Tub Soap Dish And Cloth Holder.....	36.34 5.30
10 28 16 13-0066	EA 4-1/4" x 4-1/4" Ceramic Surface Mounted Toothbrush/Tumbler Holder.....	30.40 5.30
10 28 16 13-0067	EA 2-1/8" x 4-1/4" Ceramic Surface Mounted Toothbrush/Tumbler Holder.....	26.47 5.30
10 28 16 13-0068	EA 1-1/2" x 4-1/4" Ceramic Surface Mounted Towel Ring.....	32.51 5.30

<b>10 28 16 13-0069 Residential Medicine Cabinets, Solid Oak</b> <small>(10 28 16 13-0001)</small>		
Note: Surface or recessed mounted, premium quality.		
10 28 16 13-0070	EA 24" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror.....	620.26 19.63
10 28 16 13-0071	EA 24" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror.....	730.50 19.63
10 28 16 13-0072	EA 30" x 30" Unlighted, Solid Oak Medicine Cabinet With Mirror.....	665.61 19.63
10 28 16 13-0073	EA 30" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror.....	792.36 19.63
10 28 16 13-0074	EA 36" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror.....	694.21 19.63
10 28 16 13-0075	EA 36" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror.....	846.72 19.63
10 28 16 13-0076	EA 48" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror.....	733.49 19.63
10 28 16 13-0077	EA 48" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror.....	913.14 19.63

<b>10 28 16 13-0078 Residential Toilet Accessories</b> <small>(10 28 16 13-0001)</small>		
10 28 16 13-0079	EA Surface Mounted Plastic Paper Towel Dispenser.....	41.32 8.83
10 28 16 13-0080	EA Surface Mounted Plastic Napkin Disposal.....	36.10 8.83
10 28 16 13-0081	EA 50 Fluid Ounce, Plastic Soap Dispenser For Soaps And Detergent.....	37.94
10 28 16 13-0082	EA 50 Fluid Ounce, Plastic Soap Dispenser For Antibacterial Soaps.....	43.47 8.83
10 28 16 13-0083	EA Multi Roll (2) Plastic Toilet Tissue Dispenser.....	41.33 8.83
10 28 16 13-0084	EA Single Jumbo Roll Plastic Toilet Tissue Dispenser.....	50.67 10.80
10 28 16 13-0085	EA Surface Mounted Plastic Toilet Seat Cover Dispenser.....	27.40 7.85
10 28 16 13-0086	EA 13 Gallon Plastic Waste Door For Countertops.....	100.12 14.73

**10 28 19 Tub and Shower Enclosures** (10 28)

**10 28 19 16 Shower Doors** (10 28 19)

<b>10 28 19 16-0001 Swinging Shower Doors</b> <small>(10 28 19 16)</small>		
<b>10 28 19 16-0002 Framed, Swinging Shower Doors</b> <small>(10 28 19 16-0001)</small>		
10 28 19 16-0003	EA 24-1/4" To 26" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00801).....	351.84 35.40
10 28 19 16-0004	EA 27-1/4" To 29" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00802).....	370.24 17.71
10 28 19 16-0005	EA 29-5/8" To 31-3/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00803).....	446.61 17.71
10 28 19 16-0006	EA 33-1/8" To 34-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00804).....	368.29 17.71
10 28 19 16-0007	EA 35-1/8" To 36-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00805).....	394.37 17.71

**10 28 19 16-0008 Frameless, Swinging Shower Doors** (10 28 19 16-0001)

10 28 19 16-0009	EA 24-9/16" To 25-7/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0301D).....	548.26 17.71
10 28 19 16-0010	EA 31-1/16" To 31-15/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0302D).....	573.78 17.71
10 28 19 16-0011	EA 32-11/16" To 33-9/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0303D).....	597.81 17.71
10 28 19 16-0012	EA 34-3/16" To 35-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0304D).....	623.33 17.71
10 28 19 16-0013	EA 35-3/16" To 36-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0305D).....	648.10 17.71

**10 28 19 16-0014 Sliding Shower Doors** (10 28 19 16)

**10 28 19 16-0015 Framed, Sliding Shower Doors** (10 28 19 16-0014)

**10 Specialties****10 20 Interior Specialties****10 28 Toilet, Bath, And Laundry Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 19 16-0016 EA 40" To 42" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00735).....	596.42	17.71
10 28 19 16-0017 EA 44" To 46" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00745).....	544.77	17.71
10 28 19 16-0018 EA 46" To 48" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00775).....	558.68	17.71
10 28 19 16-0019 EA 52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00729).....	573.48	17.71
10 28 19 16-0020 EA 54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00794).....	581.74	17.71
10 28 19 16-0021 EA 56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00795).....	593.95	17.71
<b>10 28 19 16-0022 Frameless, Sliding Shower Doors</b> <small>(10 28 19 16-0014)</small>		
10 28 19 16-0023 EA 40" To 44" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00330).....	726.62	17.71
10 28 19 16-0024 EA 44" To 48" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00370).....	736.98	17.71
10 28 19 16-0025 EA 56" To 60" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00390).....	833.22	17.71
<b>10 28 19 19 Tub Doors</b> <small>(10 28 19)</small>		
<b>10 28 19 19-0001 Sliding Bathtub Doors</b> <small>(10 28 19 19)</small>		
<b>10 28 19 19-0002 Framed, Sliding Bathtub Doors</b> <small>(10 28 19 19-0001)</small>		
10 28 19 19-0003 EA 52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00725).....	529.24	17.71
10 28 19 19-0004 EA 54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00749).....	535.19	17.71
10 28 19 19-0005 EA 56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00750).....	548.65	17.71
<b>10 28 19 19-0006 Frameless, Sliding Bathtub Doors</b> <small>(10 28 19 19-0001)</small>		
10 28 19 19-0007 EA 52" To 56" Opening, Frameless, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00353).....	680.08	17.71
10 28 19 19-0008 EA 56" To 60" Opening, Frameless, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00350).....	690.38	17.71
<b>10 30 Fireplaces And Stoves</b> <small>(10)</small>		
<b>10 31 Manufactured Fireplaces</b> <small>(10 30)</small>		
<b>10 31 13 Manufactured Fireplace Chimneys</b> <small>(10 31)</small>		
See CSI section 23 51 00 00-0000 for chimneys.		
<b>10 31 16 Manufactured Fireplace Forms</b> <small>(10 31)</small>		
<b>10 31 16 00-0001 Prefabricated Fireplaces</b> <small>(10 31 16)</small>		
Note: Listed by screen width.		
<b>10 31 16 00-0002 Radiant Heat Fireplace Inserts</b> <small>(10 31 16 00-0001)</small>		
Note: Includes insert, screen, grate and vent connection.		
10 31 16 00-0003 EA 38" Wide Radiant Heat, Open Front Fireplace Insert.....	776.13	95.29
For Circulating Heat Fireplace, Add	32.21	
10 31 16 00-0004 EA 43" Wide Radiant Heat, Open Front Fireplace Insert.....	827.95	98.24
For Circulating Heat Fireplace, Add	34.73	
10 31 16 00-0005 EA 48" Wide Radiant Heat, Open Front Fireplace Insert.....	895.18	103.15
For Circulating Heat Fireplace, Add	37.89	
<b>10 31 16 00-0006 Radiant Heat Natural Gas Fireplace</b> <small>(10 31 16 00-0001)</small>		
Note: Includes insert, screen, gas logs and vent connection. Units are remote ready.		
10 31 16 00-0007 EA 32" Wide Radiant Heat Natural Gas Fireplace.....	1,057.88	95.29
For Circulating Heat Fireplace, Add	47.70	
For Remote Ignition, Add	43.37	
10 31 16 00-0008 EA 36" Wide Radiant Heat Natural Gas Fireplace.....	1,127.97	98.24
For Circulating Heat Fireplace, Add	51.23	
For Remote Ignition, Add	46.57	
<b>10 31 16 00-0009 Vent Free Radiant Heat Natural Gas Fireplace</b> <small>(10 31 16 00-0001)</small>		
Note: Includes insert, screen, and gas logs. Units are remote ready.		
10 31 16 00-0010 EA 26" Wide Vent Free Radiant Heat Natural Gas Fireplace.....	1,175.40	82.52
For Circulating Heat Fireplace, Add	55.57	
For Remote Ignition, Add	50.52	
10 31 16 00-0011 EA 32" Wide Vent Free Radiant Heat Natural Gas Fireplace.....	1,316.09	88.42
For Circulating Heat Fireplace, Add	62.66	
For Remote Ignition, Add	56.96	



<b>Specialties</b>	<b>10</b>
Fireplaces And Stoves	10 30
Manufactured Fireplaces	10 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 31 16 00-0012	EA		36" Wide Vent Free Radiant Heat Natural Gas Fireplace <i>For Circulating Heat Fireplace, Add</i> <i>For Remote Ignition, Add</i>	1,467.80 69.92 63.57	98.24
10 31 16 00-0013	EA		42" Wide Vent Free Radiant Heat Natural Gas Fireplace <i>For Circulating Heat Fireplace, Add</i> <i>For Remote Ignition, Add</i>	1,673.38 80.37 73.06	106.10

## 10 32 Fireplace Specialties (10 30)

### 10 32 16 Fireplace Inserts (10 32)

#### 10 32 16 00-0001 Gas Log Inserts, Vented (10 32 16)

Note: Manual controlled.

10 32 16 00-0002	EA	15", 4 Log Set Gas Log Insert	420.33	72.71
10 32 16 00-0003	EA	18", 6 Log Set Gas Log Insert	512.95	72.71
10 32 16 00-0004	EA	21", 6 Log Set Gas Log Insert	539.99	72.71
10 32 16 00-0005	EA	24", 6 or 7 Log Set Gas Log Insert	567.04	72.71
10 32 16 00-0006	EA	30", 7 or 8 Log Set Gas Log Insert	716.41	72.71
10 32 16 00-0007	EA	36", 8 to 11 Log Set Gas Log Insert	840.57	72.71

### 10 32 19 Fireplace Screens (10 32)

#### 10 32 19 00-0001 Screens, Mounted (10 32 19)

10 32 19 00-0002	EA	Black Powder Coated Steel Screen And Frame Note: Fits Heights between 18" to 27" and widths up to 42".	83.19	
10 32 19 00-0003	EA	Stainless Steel Screen And Frame Note: Fits Heights between 18" to 27" and widths up to 42".	147.03	

### 10 32 23 Fireplace Doors (10 32)

#### 10 32 23 00-0001 Glass Doors, Bi-Fold (10 32 23)

Note: Includes anodized aluminum enclosure with 2 3/4" top and side panels and a 11/16" bottom panel. Flat black or polished brass finish.

10 32 23 00-0002	EA	29" To 32" Wide Glass Fireplace Door, 25" To 32" Height Note: Includes 1/4" tempered glass. <i>For Wire Mesh Screen, Add</i> <i>For Wire Mesh Door, Add</i>	675.06 96.00 152.00	29.22
10 32 23 00-0003	EA	32" To 35" Wide Glass Fireplace Door, 25" To 32" Height Note: Includes 1/4" tempered glass. <i>For Wire Mesh Screen, Add</i> <i>For Wire Mesh Door, Add</i>	738.84 96.00 152.00	29.22
10 32 23 00-0004	EA	35" To 38" Wide Glass Fireplace Door, 25" To 32" Height Note: Includes 1/4" tempered glass. <i>For Wire Mesh Screen, Add</i> <i>For Wire Mesh Door, Add</i>	789.87 96.00 152.00	29.22
10 32 23 00-0005	EA	38" To 43" Wide Glass Fireplace Door, 25" To 32" Height Note: Includes 1/4" tempered glass. <i>For Wire Mesh Screen, Add</i> <i>For Wire Mesh Door, Add</i>	851.11 96.00 152.00	29.22

#### 10 32 23 00-0006 Chimney Dampers / Chimalator (10 32 23)

Note: Stainless steel top sealing damper cap.

10 32 23 00-0007	EA	8" x 8" Stainless Steel Chimalator Top Sealing Damper Cap	245.25	12.12
10 32 23 00-0008	EA	8" x 13" Stainless Steel Chimalator Top Sealing Damper Cap	254.94	12.90
10 32 23 00-0009	EA	8" x 18" Stainless Steel Chimalator Top Sealing Damper Cap	329.56	14.71
10 32 23 00-0010	EA	8" x 20" Stainless Steel Chimalator Top Sealing Damper Cap	352.08	14.71
10 32 23 00-0011	EA	10" x 18" Stainless Steel Chimalator Top Sealing Damper Cap	373.89	18.45
10 32 23 00-0012	EA	12" x 12" Stainless Steel Chimalator Top Sealing Damper Cap	289.65	18.45
10 32 23 00-0013	EA	12" x 16" Stainless Steel Chimalator Top Sealing Damper Cap	362.34	22.12
10 32 23 00-0014	EA	13" x 13" Stainless Steel Chimalator Top Sealing Damper Cap	289.65	18.45
10 32 23 00-0015	EA	13" x 18" Stainless Steel Chimalator Top Sealing Damper Cap	362.34	22.12
10 32 23 00-0016	EA	13" x 21" Stainless Steel Chimalator Top Sealing Damper Cap	458.55	22.12
10 32 23 00-0017	EA	16" x 16" Stainless Steel Chimalator Top Sealing Damper Cap	417.22	30.97
10 32 23 00-0018	EA	16" x 20" Stainless Steel Chimalator Top Sealing Damper Cap	511.38	30.97
10 32 23 00-0019	EA	18" x 18" Stainless Steel Chimalator Top Sealing Damper Cap	435.63	32.57
10 32 23 00-0020	EA	18" x 21" Stainless Steel Chimalator Top Sealing Damper Cap	542.01	32.57
10 32 23 00-0021	EA	20" x 20" Stainless Steel Chimalator Top Sealing Damper Cap	582.06	34.38
10 32 23 00-0022	EA	20" x 24" Stainless Steel Chimalator Top Sealing Damper Cap	626.42	34.38
10 32 23 00-0023	EA	24" x 24" Stainless Steel Chimalator Top Sealing Damper Cap	666.31	36.44

## 10 40 Safety Specialties (10)

### 10 41 Emergency Access And Information Cabinets (10 40)

#### 10 41 13 Fire Department Plan Cabinets (10 41)

##### 10 41 13 00-0001 Fire Department Plan Cabinets (Knox) (10 41 13)

**10 Specialties****10 40 Safety Specialties****10 41 Emergency Access And Information Cabinets**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 41 13 00-0002	EA		18" High x 14-1/2" Wide x 5" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300).....	935.51	12.76
			<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
			<i>For Dual Locks, Add</i>	60.00	
			<i>For Back Key Hook Panel, Add</i>	56.45	
			<i>For Swing Key Hook Panel, Add</i>	155.45	
			<i>For Non-Locking Weather Housing, Add</i>	389.36	
10 41 13 00-0003	EA		18" High x 14-1/2" Wide x 7" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300).....	993.31	12.76
			<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
			<i>For Dual Locks, Add</i>	60.00	
			<i>For Back Key Hook Panel, Add</i>	56.45	
			<i>For Swing Key Hook Panel, Add</i>	155.45	
			<i>For Second Swing Key Hook Panel, Add</i>	122.45	
			<i>For Non-Locking Weather Housing, Add</i>	389.36	

**10 41 16 Emergency Key Cabinets (10 41)****10 41 16 00-0001 Emergency Key Cabinets (Knox) (10 41 16)**

10 41 16 00-0002	EA		Elevator/Lobby, Deep Red Finish, Surface Mount, Fire Department Emergency Key Storage Box (Knox 1403).....	455.75	12.76
			<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
10 41 16 00-0003	EA		5" High x 4" Wide x 3-3/4" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Box 3200).....	397.94	12.76
			<i>For Lift-Off Door, Deduct</i>	-40.00	
			<i>For Aluminum Or Dark Bronze Finish, Add</i>	10.00	
			<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
			<i>For Recess Mount, Add</i>	47.27	
			<i>For Cast-In-Place Concrete Recess Mounting, Add</i>	119.00	
10 41 16 00-0004	EA		6" High x 6" Wide x 4-1/2" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4100).....	539.56	12.76
			<i>For Aluminum Or Dark Bronze Finish, Add</i>	10.00	
			<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
			<i>For Recess Mount, Add</i>	47.27	
			<i>For Dual Locks, Add</i>	60.00	
			<i>For Cast-In-Place Concrete Recess Mounting, Add</i>	130.00	
10 41 16 00-0005	EA		7" High x 7" Wide x 5" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4400).....	575.69	12.76
			<i>For Aluminum Or Dark Bronze Finish, Add</i>	10.00	
			<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
			<i>For Recess Mount, Add</i>	47.27	
			<i>For Dual Locks, Add</i>	60.00	
			<i>For Cast-In-Place Concrete Recess Mounting, Add</i>	135.00	

**10 44 Fire Protection Specialties (10 40)****10 44 13 Fire Protection Cabinets (10 44)****10 44 13 00-0001 Fire Extinguisher Cabinets (10 44 13)****10 44 13 00-0002 Recessed Fire Extinguisher Cabinets (10 44 13 00-0001)****10 44 13 00-0003 Steel Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)**

Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0004	EA		9" x 18" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	208.50	16.09
10 44 13 00-0005	EA		10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	214.79	16.09
10 44 13 00-0006	EA		10-1/2" x 24" x 6" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	216.05	16.09
10 44 13 00-0007	EA		12" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	255.05	16.09
10 44 13 00-0008	EA		16" x 32" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	356.95	16.09
10 44 13 00-0009	EA		20" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	370.79	16.09

**10 44 13 00-0010 Aluminum Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)**

Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0011	EA		9" x 18" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	210.32	16.09
10 44 13 00-0012	EA		10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	216.04	16.09
10 44 13 00-0013	EA		10-1/2" x 24" x 6" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	225.58	16.09
10 44 13 00-0014	EA		12" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	241.80	16.09
10 44 13 00-0015	EA		16" x 32" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	292.20	16.09
10 44 13 00-0016	EA		20" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	307.46	16.09

**10 44 13 00-0017 Stainless Steel Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)**

Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0018	EA		9" x 18" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	313.36	16.09
10 44 13 00-0019	EA		10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	324.22	16.09
10 44 13 00-0020	EA		10-1/2" x 24" x 6" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	329.65	16.09
10 44 13 00-0021	EA		12" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	366.74	16.09
10 44 13 00-0022	EA		16" x 32" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	441.69	16.09
10 44 13 00-0023	EA		20" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	464.30	16.09



<b>Specialties</b>	<b>10</b>	<b>10</b>
<b>Safety Specialties</b>	<b>10 40</b>	
<b>Fire Protection Specialties</b>	<b>10 44</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>10 44 13 00-0024</b> <b>Bronze Door And Trim, Recessed Fire Extinguisher Cabinets</b> <small>(10 44 13 00-0002)</small>		
<i>Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.</i>		
10 44 13 00-0025 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	827.20	16.09
10 44 13 00-0026 EA 10-1/2" x 24" x 6" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	833.80	16.09
10 44 13 00-0027 EA 12" x 27" x 7-3/4" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	968.37	16.09
<b>10 44 13 00-0028</b> <b>Acrylic Bubble Door And Steel Trim, Recessed Fire Extinguisher Cabinets</b> <small>(10 44 13 00-0002)</small>		
<i>Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.</i>		
10 44 13 00-0029 EA 10-1/2" x 24" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door .....	290.27	16.09
10 44 13 00-0030 EA 14" x 30" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	338.08	16.09
<b>10 44 13 00-0031</b> <b>Semi Recessed Fire Extinguisher Cabinets</b> <small>(10 44 13 00-0001)</small>		
<b>10 44 13 00-0032</b> <b>Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets</b> <small>(10 44 13 00-0031)</small>		
<i>Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.</i>		
10 44 13 00-0033 EA 9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	242.47	16.09
10 44 13 00-0034 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	255.05	16.09
10 44 13 00-0035 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	256.30	16.09
10 44 13 00-0036 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	299.08	16.09
10 44 13 00-0037 EA 16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	384.62	16.09
10 44 13 00-0038 EA 20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	398.46	16.09
<b>10 44 13 00-0039</b> <b>Aluminum Door And Trim, Semi Recessed Fire Extinguisher Cabinets</b> <small>(10 44 13 00-0031)</small>		
<i>Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.</i>		
10 44 13 00-0040 EA 9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	253.09	16.09
10 44 13 00-0041 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	267.40	16.09
10 44 13 00-0042 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	275.99	16.09
10 44 13 00-0043 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	292.20	16.09
10 44 13 00-0044 EA 16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	348.48	16.09
10 44 13 00-0045 EA 20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	361.84	16.09
<b>10 44 13 00-0046</b> <b>Stainless Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets</b> <small>(10 44 13 00-0031)</small>		
<i>Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.</i>		
10 44 13 00-0047 EA 9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet .....	361.16	16.09
10 44 13 00-0048 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet.....	373.83	16.09
10 44 13 00-0049 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet .....	379.26	16.09
10 44 13 00-0050 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet .....	407.30	16.09
10 44 13 00-0051 EA 16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet .....	476.97	16.09
10 44 13 00-0052 EA 20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet .....	492.35	16.09
<b>10 44 13 00-0053</b> <b>Bronze Door And Trim, Semi Recessed Fire Extinguisher Cabinets</b> <small>(10 44 13 00-0031)</small>		
<i>Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.</i>		
10 44 13 00-0054 EA 10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet .....	1,062.33	16.09
10 44 13 00-0055 EA 10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet.....	1,067.87	16.09
10 44 13 00-0056 EA 12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet.....	1,235.02	16.09
<b>10 44 13 00-0057</b> <b>Acrylic Bubble Door And Steel Trim, Semi Recessed Fire Extinguisher Cabinets</b> <small>(10 44 13 00-0031)</small>		
<i>Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.</i>		
10 44 13 00-0058 EA 10-1/2" x 24" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door .....	335.56	16.09
10 44 13 00-0059 EA 14" x 30" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door .....	380.85	16.09
<b>10 44 13 00-0060</b> <b>Surface Mounted Fire Extinguisher Cabinets</b> <small>(10 44 13 00-0001)</small>		
<b>10 44 13 00-0061</b> <b>Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets</b> <small>(10 44 13 00-0060)</small>		
<i>Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.</i>		
10 44 13 00-0062 EA 12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet .....	232.40	16.09
10 44 13 00-0063 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet .....	239.95	16.09
10 44 13 00-0064 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet .....	300.34	16.09
10 44 13 00-0065 EA 19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet .....	374.56	16.09
10 44 13 00-0066 EA 23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet .....	394.69	16.09
<b>10 44 13 00-0067</b> <b>Aluminum Door And Trim, Surface Mount Fire Extinguisher Cabinets</b> <small>(10 44 13 00-0060)</small>		
<i>Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.</i>		
10 44 13 00-0068 EA 12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	343.71	16.09
10 44 13 00-0069 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	356.11	16.09
10 44 13 00-0070 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	383.77	16.09
10 44 13 00-0071 EA 19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	438.15	16.09
10 44 13 00-0072 EA 23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet.....	461.04	16.09

## 10 Specialties

## 10 40 Safety Specialties

## 10 44 Fire Protection Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>10 44 13 00-0073</b> <b>Stainless Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets</b> <sup>(10 44 13 00-0073)</sup>		
<i>44 13 00-0060</i>		
Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0074 EA 12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet .....	439.88	16.09
10 44 13 00-0075 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet .....	457.07	16.09
10 44 13 00-0076 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet .....	499.59	16.09
10 44 13 00-0077 EA 19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet .....	581.92	16.09
10 44 13 00-0078 EA 23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet .....	607.26	16.09
<b>10 44 13 00-0079</b> <b>Bronze Door And Trim, Surface Mount Fire Extinguisher Cabinets</b> <sup>(10 44 13 00-0060)</sup>		
Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0080 EA 13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet .....	1,229.80	16.09
10 44 13 00-0081 EA 15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet .....	1,395.67	16.09
<b>10 44 13 00-0082</b> <b>Acrylic Bubble Door And Steel Trim, Surface Mount Fire Extinguisher Cabinets</b> <sup>(10 44 13 00-0060)</sup>		
Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0083 EA 13-11/16" x 27-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door .....	307.88	16.09
10 44 13 00-0084 EA 17-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door .....	363.24	16.09
10 44 13 00-0085 EA 31-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door .....	556.98	16.09
<b>10 44 13 00-0086</b> <b>Fire Extinguisher Cabinet Accessories</b> <sup>(10 44 13 00-0001)</sup>		
10 44 13 00-0087 EA Standard Break Glass Cylinder Lock Mechanism .....	19.47	4.91
10 44 13 00-0088 EA Breaker Bar And Chain For Break Glass Cabinets .....	16.09	4.91
10 44 13 00-0089 EA Replacement Standard Pull Handle .....	14.03	4.91
10 44 13 00-0090 EA Fire Extinguisher Cabinet Battery Operated Alarm .....	63.09	9.81
10 44 13 00-0091 EA Fire Rated Option For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets .....	129.34	
10 44 13 00-0092 EA Fire Rated Option For 12" x 27" x 7-3/4" Cabinets .....	142.27	
10 44 13 00-0093 EA Fire Rated Option For 16" x 32" x 7-3/4" Cabinets .....	194.01	
10 44 13 00-0094 EA Fire Rated Option For 20" x 27" x 7-3/4" Cabinets .....	265.15	
10 44 13 00-0095 EA Fire Rated Option For 9" x 18" x 5-1/2" Cabinets .....	310.42	
10 44 13 00-0096 EA Replace Standard Glass With Wire Glass For 9" x 18" x 5-1/2" Cabinets .....	75.02	
10 44 13 00-0097 EA Replace Standard Glass With Wire Glass For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets .....	77.60	
10 44 13 00-0098 EA Replace Standard Glass With Wire Glass For 12" x 27" x 7-3/4" Cabinets .....	103.47	
10 44 13 00-0099 EA Replace Standard Glass With Wire Glass For 16" x 32" x 7-3/4" Cabinets .....	187.54	
10 44 13 00-0100 EA Replace Standard Glass With Wire Glass For 20" x 27" x 7-3/4" Cabinets .....	190.13	
10 44 13 00-0101 EA Replace Standard Glass With Wire Glass For 12-3/16" x 21-3/16" x 6" Cabinets .....	105.57	
10 44 13 00-0102 EA Replace Standard Glass With Wire Glass For 13-11/16" x 27-3/16" x 6-1/2" Cabinets .....	110.85	
10 44 13 00-0103 EA Replace Standard Glass With Wire Glass For 15-3/16" x 30-3/16" x 8-1/4" Cabinets .....	149.56	
10 44 13 00-0104 EA Replace Standard Glass With Wire Glass For 19-3/16" x 35-3/16" x 8-1/4" Cabinets .....	263.92	
10 44 13 00-0105 EA Replace Standard Glass With Wire Glass For 23-3/16" x 30-3/16" x 8-1/4" Cabinets .....	267.44	
<b>10 44 13 00-0106</b> <b>Fire Hose Cabinets</b> <sup>(10 44 13)</sup>		
Note: Excludes hoses, hose rack units, fire extinguishers and valves. See CSI section 21 12 13 00-0001 for fire hoses and nozzles, 21 12 13 00-0015 for fire hose rack units, 21 12 23 00-0014 for fire hose angle valves.		
<b>10 44 13 00-0107</b> <b>Recessed Fire Hose Cabinets</b> <sup>(10 44 13 00-0106)</sup>		
<b>10 44 13 00-0108</b> <b>Steel Door And Trim, Recessed Fire Hose Cabinets</b> <sup>(10 44 13 00-0107)</sup>		
Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0109 EA 34" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet .....	485.71	92.67
<i>For Solid Steel Door, Deduct</i>		
	-8.60	
10 44 13 00-0110 EA 34" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet .....	495.84	92.67
<i>For Solid Steel Door, Deduct</i>		
	-8.60	
10 44 13 00-0111 EA 38" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet .....	504.28	92.67
<i>For Solid Steel Door, Deduct</i>		
	-8.60	
10 44 13 00-0112 EA 38" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet .....	512.73	92.67
<i>For Solid Steel Door, Deduct</i>		
	-8.60	
10 44 13 00-0113 EA 30" x 30" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet .....	522.85	92.67
<i>For Solid Steel Door, Deduct</i>		
	-8.60	
10 44 13 00-0114 EA 38" x 32" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet .....	549.84	92.67
<i>For Solid Steel Door, Deduct</i>		
	-8.60	
10 44 13 00-0115 EA 23" x 18" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet .....	558.29	92.67
<i>For Solid Steel Door, Deduct</i>		
	-8.60	
<b>10 44 13 00-0116</b> <b>Aluminum Door And Trim, Recessed Fire Hose Cabinets</b> <sup>(10 44 13 00-0107)</sup>		
Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0117 EA 34" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet .....	538.21	92.67
<i>For Solid Aluminum Door, Add</i>		
	6.50	
10 44 13 00-0118 EA 30" x 30" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet .....	554.80	92.67
<i>For Solid Aluminum Door, Add</i>		
	6.50	
10 44 13 00-0119 EA 34" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet .....	556.95	92.67
<i>For Solid Aluminum Door, Add</i>		
	6.50	



<b>Specialties</b>	<b>10</b>
<b>Safety Specialties</b>	<b>10 40</b>
<b>Fire Protection Specialties</b>	<b>10 44</b>

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0120 EA 38" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	563.85 6.50	92.67
10 44 13 00-0121 EA 38" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	572.90 6.50	92.67
10 44 13 00-0122 EA 38" x 32" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	598.53 6.50	92.67
10 44 13 00-0123 EA 23" x 18" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	624.17 6.50	92.67
<b>10 44 13 00-0124 Stainless Steel Door And Trim, Recessed Fire Hose Cabinets (10 44 13 00-0107)</b> Note: Includes #4 finish, stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0125 EA 23" x 18" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	687.50 -7.70	92.67
10 44 13 00-0126 EA 34" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	765.92 -7.70	92.67
10 44 13 00-0127 EA 34" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	773.46 -7.70	92.67
10 44 13 00-0128 EA 38" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	797.59 -7.70	92.67
10 44 13 00-0129 EA 38" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	805.13 -7.70	92.67
10 44 13 00-0130 EA 30" x 30" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	844.34 -7.70	92.67
10 44 13 00-0131 EA 38" x 32" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	883.54 -7.70	92.67
<b>10 44 13 00-0132 Semi Recessed Fire Hose Cabinets (10 44 13 00-0106)</b>		
<b>10 44 13 00-0133 Steel Door And Trim, Semi Recessed Fire Hose Cabinets (10 44 13 00-0132)</b> Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0134 EA 34" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	512.73 -8.60	92.67
10 44 13 00-0135 EA 34" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	522.85 -8.60	92.67
10 44 13 00-0136 EA 38" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	531.28 -8.60	92.67
10 44 13 00-0137 EA 38" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	541.40 -8.60	92.67
10 44 13 00-0138 EA 30" x 30" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	549.84 -8.60	92.67
10 44 13 00-0139 EA 38" x 32" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	576.84 -8.60	92.67
10 44 13 00-0140 EA 23" x 18" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	586.96 -8.60	92.67
<b>10 44 13 00-0141 Aluminum Door And Trim, Semi Recessed Fire Hose Cabinets (10 44 13 00-0132)</b> Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0142 EA 34" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	554.80 6.50	92.67
10 44 13 00-0143 EA 34" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	572.90 6.50	92.67
10 44 13 00-0144 EA 30" x 30" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	575.48 6.50	92.67
10 44 13 00-0145 EA 38" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	580.44 6.50	92.67
10 44 13 00-0146 EA 38" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	589.48 6.50	92.67
10 44 13 00-0147 EA 38" x 32" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	615.12 6.50	92.67
10 44 13 00-0148 EA 23" x 18" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	640.76 6.50	92.67
<b>10 44 13 00-0149 Stainless Steel Door And Trim, Semi Recessed Fire Hose Cabinets (10 44 13 00-0132)</b> Note: Includes #4 finish, 304 stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0150 EA 23" x 18" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	734.25 -7.70	92.67
10 44 13 00-0151 EA 34" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	820.21 -7.70	92.67
10 44 13 00-0152 EA 34" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	827.75 -7.70	92.67
10 44 13 00-0153 EA 38" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	851.88 -7.70	92.67
10 44 13 00-0154 EA 38" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	859.42 -7.70	92.67
10 44 13 00-0155 EA 30" x 30" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	898.62 -7.70	92.67





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0156 EA 38" x 32" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	937.83 -7.70	92.67
<b>10 44 13 00-0157 Surface Mount Fire Hose Cabinets</b> (10 44 13 00-0106)		
<b>10 44 13 00-0158 Steel Door And Trim, Surface Mount Fire Hose Cabinets</b> (10 44 13 00-0157) Note: Includes baked enamel finish, steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0159 EA 37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	522.85 -8.60	92.67
10 44 13 00-0160 EA 37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	531.28 -8.60	92.67
10 44 13 00-0161 EA 41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	541.40 -8.60	92.67
10 44 13 00-0162 EA 41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	549.84 -8.60	92.67
10 44 13 00-0163 EA 33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	558.29 -8.60	92.67
10 44 13 00-0164 EA 41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	586.96 -8.60	92.67
10 44 13 00-0165 EA 26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet..... <i>For Solid Steel Door, Deduct</i>	595.41 -8.60	92.67
<b>10 44 13 00-0166 Aluminum Door And Trim, Surface Mount Fire Hose Cabinets</b> (10 44 13 00-0157) Note: Includes clear satin anodized finish, aluminum door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0167 EA 37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	598.53 6.50	92.67
10 44 13 00-0168 EA 33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	615.12 6.50	92.67
10 44 13 00-0169 EA 37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	619.43 6.50	92.67
10 44 13 00-0170 EA 41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	624.17 6.50	92.67
10 44 13 00-0171 EA 41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	631.71 6.50	92.67
10 44 13 00-0172 EA 41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	658.85 6.50	92.67
10 44 13 00-0173 EA 26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet..... <i>For Solid Aluminum Door, Add</i>	675.44 6.50	92.67
<b>10 44 13 00-0174 Stainless Steel Door And Trim, Surface Mount Fire Hose Cabinets</b> (10 44 13 00-0157) Note: Includes #4 finish, 304 stainless steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0175 EA 26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	797.59 -7.70	92.67
10 44 13 00-0176 EA 37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,047.92 -7.70	92.67
10 44 13 00-0177 EA 41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,111.25 -7.70	92.67
10 44 13 00-0178 EA 37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,126.33 -7.70	92.67
10 44 13 00-0179 EA 41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,141.41 -7.70	92.67
10 44 13 00-0180 EA 33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,204.75 -7.70	92.67
10 44 13 00-0181 EA 41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet..... <i>For Solid Stainless Steel Door, Deduct</i>	1,283.16 -7.70	92.67
<b>10 44 16 Fire Extinguishers</b> (10 44)		
<b>10 44 16 13 Portable Fire Extinguishers</b> (10 44 16)		
Note: Includes filling, certification, bracket, hardware and mounting on wall.		
<b>10 44 16 13-0001 Carbon Dioxide Type, Class BC Portable Fire Extinguisher</b> (10 44 16 13)		
10 44 16 13-0002 EA 2.5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher..... <i>For &gt;5 To 10, Deduct</i> <i>For &gt;10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	165.86 -6.98 -13.97 -13.09	5.10
10 44 16 13-0003 EA 5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher..... <i>For &gt;5 To 10, Deduct</i> <i>For &gt;10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	261.07 -11.54 -23.09 -15.10	5.89
10 44 16 13-0004 EA 10 LB Carbon Dioxide, Type BC Portable Fire Extinguisher..... <i>For &gt;5 To 10, Deduct</i> <i>For &gt;10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	339.64 -15.02 -30.04 -19.63	7.47
10 44 16 13-0005 EA 15 LB Carbon Dioxide, Type BC Portable Fire Extinguisher..... <i>For &gt;5 To 10, Deduct</i> <i>For &gt;10, Deduct</i> <i>For Placement In Cabinet, Deduct</i>	416.46 -18.37 -36.74 -24.54	9.42



<b>Specialties</b>	<b>10</b>
<b>Safety Specialties</b>	<b>10 40</b>
<b>Fire Protection Specialties</b>	<b>10 44</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 16 13-0006	EA		20 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	469.87	9.42
			<i>For &gt;5 To 10, Deduct</i>	-21.04	
			<i>For &gt;10, Deduct</i>	-42.08	
			<i>For Placement In Cabinet, Deduct</i>	-24.54	
10 44 16 13-0007	EA		50 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher.....	1,715.53	14.92
			<i>For &gt;5 To 10, Deduct</i>	-81.85	
			<i>For &gt;10, Deduct</i>	-163.70	
10 44 16 13-0008	EA		100 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher.....	3,440.00	14.92
			<i>For &gt;5 To 10, Deduct</i>	-168.07	
			<i>For &gt;10, Deduct</i>	-336.15	
<b>10 44 16 13-0009</b>			<b>Dry Chemical Type, Class ABC Portable Fire Extinguisher</b> (10 44 16 13)		
10 44 16 13-0010	EA		2.6 LB Dry Chemical, Type ABC Portable Fire Extinguisher.....	78.61	5.10
			<i>For Placement In Cabinet, Deduct</i>	-13.09	
			<i>For &gt;5 To 10, Deduct</i>	-2.62	
			<i>For &gt;10, Deduct</i>	-5.24	
10 44 16 13-0011	EA		5 LB Dry Chemical, Type ABC Portable Fire Extinguisher.....	105.74	5.89
			<i>For Placement In Cabinet, Deduct</i>	-15.10	
			<i>For &gt;5 To 10, Deduct</i>	-3.78	
			<i>For &gt;10, Deduct</i>	-7.55	
10 44 16 13-0012	EA		10 LB Dry Chemical, Type ABC Portable Fire Extinguisher.....	157.66	7.47
			<i>For Placement In Cabinet, Deduct</i>	-19.63	
			<i>For &gt;5 To 10, Deduct</i>	-5.92	
			<i>For &gt;10, Deduct</i>	-11.84	
10 44 16 13-0013	EA		20 LB Dry Chemical, Type ABC Portable Fire Extinguisher.....	235.43	9.42
			<i>For Placement In Cabinet, Deduct</i>	-24.54	
			<i>For &gt;5 To 10, Deduct</i>	-9.32	
			<i>For &gt;10, Deduct</i>	-18.64	
10 44 16 13-0014	EA		50 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher.....	2,034.69	14.92
			<i>For &gt;5 To 10, Deduct</i>	-97.81	
			<i>For &gt;10, Deduct</i>	-195.62	
10 44 16 13-0015	EA		125 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher.....	3,148.03	14.92
			<i>For &gt;5 To 10, Deduct</i>	-153.48	
			<i>For &gt;10, Deduct</i>	-306.95	
<b>10 44 16 13-0016</b>			<b>Other Portable Fire Extinguishers</b> (10 44 16 13)		
10 44 16 13-0017	EA		2.5 Gallon Water, Stored Pressure Portable Fire Extinguisher.....	185.13	5.89
			Note: Stainless steel.		
			<i>For Placement In Cabinet, Deduct</i>	-15.10	
			<i>For &gt;5 To 10, Deduct</i>	-7.75	
			<i>For &gt;10, Deduct</i>	-15.49	
10 44 16 13-0018	EA		1.6 Gallon Wet Chemical, Class K Portable Fire Extinguisher.....	272.69	9.42
			Note: Stainless steel.		
			<i>For Placement In Cabinet, Deduct</i>	-24.54	
			<i>For &gt;5 To 10, Deduct</i>	-11.18	
			<i>For &gt;10, Deduct</i>	-22.36	
10 44 16 13-0019	EA		2.5 Gallon Wet Chemical, Class K Portable Fire Extinguisher.....	289.87	9.42
			Note: Stainless steel.		
			<i>For Placement In Cabinet, Deduct</i>	-24.54	
			<i>For &gt;5 To 10, Deduct</i>	-12.04	
			<i>For &gt;10, Deduct</i>	-24.08	
10 44 16 13-0020	EA		30 LB Dry Powder, Class D Portable Fire Extinguisher.....	465.32	9.42
			Note: Yellow steel.		
			<i>For &gt;5 To 10, Deduct</i>	-20.81	
			<i>For &gt;10, Deduct</i>	-41.62	
<b>10 44 16 13-0021</b>			<b>Fire Extinguisher Backboards</b> (10 44 16 13)		
<b>10 44 16 13-0022</b>			<b>Fire Extinguisher Backboards</b> (10 44 16 13-0021)		
			Note: Mounted to any wall. Includes anchors.		
10 44 16 13-0023	EA		Red Painted 1/2" x 12" x 40" Beveled Edge Plywood Fire Extinguisher Backboard.....	51.39	6.78
10 44 16 13-0024	EA		Relocate Fire Extinguisher Wood Backboard, Any Size.....	59.86	
			Note: Includes storage and cleaning.		
<b>10 44 16 13-0025</b>			<b>Inspections And Testing</b> (10 44 16 13)		
10 44 16 13-0026	EA		On Site Fire Extinguisher Annual Inspection (Tag).....	10.84	
10 44 16 13-0027	EA		On Site Fire Extinguisher Hydrotest.....	15.95	
<b>10 44 19</b>			<b>Fire Blankets</b> (10 44)		
10 44 19 00-0001	EA		Vertical Roller Type Fire Blanket Cabinet (JL Industries 1FB).....	348.25	16.09
			Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.		
10 44 19 00-0002	EA		Drop Type Fire Blanket Cabinet (JL Industries 2FB).....	228.74	16.09
			Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.		
<b>10 45</b>			<b>Photoluminescent Exit Specialties</b> (10 40)		
10 45 00 00-0001			Photoluminescent Illuminated Egress Markings (10 45)		

**10 Specialties**

**10 40 Safety Specialties**

**10 45 Photoluminescent Exit Specialties**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 45 00 00-0002	LF		1" Wide Egress / Exit Photoluminescent Path Marking Tape Applied To Floors.....	4.47	
			Note: Peel and stick.		
			<i>For Wall Applied, Add</i>	0.39	
10 45 00 00-0003	LF		1-1/2" Wide Egress / Exit Photoluminescent Path Marking Tape Applied To Floors.....	4.78	
			Note: Peel and stick.		
			<i>For Wall Applied, Add</i>	0.39	
10 45 00 00-0004	LF		2" Wide Egress / Exit Photoluminescent Path Marking Tape Applied To Floors.....	5.09	
			Note: Peel and stick.		
			<i>For Wall Applied, Add</i>	0.39	
10 45 00 00-0005	LF		1-1/2" Wide Egress / Exit Photoluminescent Path Marking Tape With Arrows Applied To Floors .....	4.78	
			Note: Peel and stick.		
			<i>For Wall Applied, Add</i>	0.39	
10 45 00 00-0006	LF		2" Wide Egress / Exit Photoluminescent Path Marking Tape With Arrows Applied To Floors.....	5.40	
			Note: Peel and stick.		
			<i>For Wall Applied, Add</i>	0.39	
10 45 00 00-0007	LF		1-1/2" Wide Egress Photoluminescent Danger Warning Marking Tape With Stripes Applied To Floors.....	5.78	
			Note: Peel and stick.		
			<i>For Wall Applied, Add</i>	0.39	
10 45 00 00-0008	EA		1" Wide x 48" Long Photoluminescent Strip Exit Path Marking Applied To Floors.....	25.51	
			Note: Self adhesive, high bond foam backing.		
10 45 00 00-0009	EA		1" Wide x 30" Long Aluminum Stair Nosing With Photoluminescent Strip .....	25.32	
			Note: Self adhesive, high bond foam backing.		

**10 50 Storage Specialties <sup>(10)</sup>**

**10 51 Lockers <sup>(10 50)</sup>**

**10 51 13 Metal Lockers <sup>(10 51)</sup>**

**10 51 13 00-0001 Institutional And Corridor Lockers <sup>(10 51 13)</sup>**

Note: Price per frame. Includes baked enamel 24 gauge solid body components and 6" legs. Excludes slope top, base fillers, and locks.

**10 51 13 00-0002 Single Tier Institutional Or Corridor Locker <sup>(10 51 13 00-0001)</sup>**

Note: Includes one hat shelf, three single hooks and one double hook.

10 51 13 00-0003	EA		12" x 12" x 48" Single Tier Institutional Or Corridor Locker .....	171.47	12.18
			<i>For &gt;25 To 50, Deduct</i>	-7.36	
			<i>For &gt;50 To 100, Deduct</i>	-15.08	
			<i>For &gt;100, Deduct</i>	-22.80	
			<i>For 14 Gauge Doors, Add</i>	11.77	
10 51 13 00-0004	EA		12" x 15" x 48" Single Tier Institutional Or Corridor Locker .....	177.29	12.18
			<i>For &gt;25 To 50, Deduct</i>	-7.65	
			<i>For &gt;50 To 100, Deduct</i>	-15.66	
			<i>For &gt;100, Deduct</i>	-23.67	
			<i>For 14 Gauge Doors, Add</i>	12.24	
10 51 13 00-0005	EA		12" x 18" x 48" Single Tier Institutional Or Corridor Locker .....	183.11	12.18
			<i>For &gt;25 To 50, Deduct</i>	-7.94	
			<i>For &gt;50 To 100, Deduct</i>	-16.24	
			<i>For &gt;100, Deduct</i>	-24.55	
			<i>For 14 Gauge Doors, Add</i>	12.70	
10 51 13 00-0006	EA		12" x 12" x 60" Single Tier Institutional Or Corridor Locker .....	160.82	12.18
			<i>For &gt;25 To 50, Deduct</i>	-6.82	
			<i>For &gt;50 To 100, Deduct</i>	-14.01	
			<i>For &gt;100, Deduct</i>	-21.20	
			<i>For 14 Gauge Doors, Add</i>	10.92	
10 51 13 00-0007	EA		12" x 15" x 60" Single Tier Institutional Or Corridor Locker .....	168.05	12.18
			<i>For &gt;25 To 50, Deduct</i>	-7.19	
			<i>For &gt;50 To 100, Deduct</i>	-14.74	
			<i>For &gt;100, Deduct</i>	-22.29	
			<i>For 14 Gauge Doors, Add</i>	11.50	
10 51 13 00-0008	EA		12" x 18" x 60" Single Tier Institutional Or Corridor Locker .....	177.93	12.18
			<i>For &gt;25 To 50, Deduct</i>	-7.68	
			<i>For &gt;50 To 100, Deduct</i>	-15.72	
			<i>For &gt;100, Deduct</i>	-23.77	
			<i>For 14 Gauge Doors, Add</i>	12.29	
10 51 13 00-0009	EA		12" x 12" x 72" Single Tier Institutional Or Corridor Locker .....	176.61	12.56
			<i>For &gt;25 To 50, Deduct</i>	-7.57	
			<i>For &gt;50 To 100, Deduct</i>	-15.52	
			<i>For &gt;100, Deduct</i>	-23.48	
			<i>For 14 Gauge Doors, Add</i>	12.12	
10 51 13 00-0010	EA		12" x 15" x 72" Single Tier Institutional Or Corridor Locker .....	182.61	12.56
			<i>For &gt;25 To 50, Deduct</i>	-7.87	
			<i>For &gt;50 To 100, Deduct</i>	-16.12	
			<i>For &gt;100, Deduct</i>	-24.38	
			<i>For 14 Gauge Doors, Add</i>	12.60	
10 51 13 00-0011	EA		12" x 18" x 72" Single Tier Institutional Or Corridor Locker .....	188.45	12.56
			<i>For &gt;25 To 50, Deduct</i>	-8.17	
			<i>For &gt;50 To 100, Deduct</i>	-16.71	
			<i>For &gt;100, Deduct</i>	-25.25	
			<i>For 14 Gauge Doors, Add</i>	13.07	
10 51 13 00-0012	EA		15" x 15" x 72" Single Tier Institutional Or Corridor Locker .....	198.54	12.56
			<i>For &gt;25 To 50, Deduct</i>	-8.67	
			<i>For &gt;50 To 100, Deduct</i>	-17.72	
			<i>For &gt;100, Deduct</i>	-26.77	
			<i>For 14 Gauge Doors, Add</i>	13.87	



<b>Specialties</b>	<b>10</b>
<b>Storage Specialties</b>	<b>10 50</b>
<b>Lockers</b>	<b>10 51</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51	13 00-0013	EA	15" x 18" x 72" Single Tier Institutional Or Corridor Locker.....	208.53	12.56
			<i>For &gt;25 To 50, Deduct</i>	-9.17	
			<i>For &gt;50 To 100, Deduct</i>	-18.72	
			<i>For &gt;100, Deduct</i>	-28.26	
			<i>For 14 Gauge Doors, Add</i>	14.67	
10 51	13 00-0014	EA	18" x 18" x 72" Single Tier Institutional Or Corridor Locker.....	219.10	12.56
			<i>For &gt;25 To 50, Deduct</i>	-9.70	
			<i>For &gt;50 To 100, Deduct</i>	-19.77	
			<i>For &gt;100, Deduct</i>	-29.85	
			<i>For 14 Gauge Doors, Add</i>	15.52	
10 51	13 00-0015	EA	18" x 21" x 72" Single Tier Institutional Or Corridor Locker.....	228.86	12.56
			<i>For &gt;25 To 50, Deduct</i>	-10.19	
			<i>For &gt;50 To 100, Deduct</i>	-20.75	
			<i>For &gt;100, Deduct</i>	-31.31	
			<i>For 14 Gauge Doors, Add</i>	16.30	
10 51	13 00-0016	EA	24" x 24" x 72" Single Tier Institutional Or Corridor Locker.....	318.09	12.56
			<i>For &gt;25 To 50, Deduct</i>	-14.65	
			<i>For &gt;50 To 100, Deduct</i>	-29.67	
			<i>For &gt;100, Deduct</i>	-44.70	
			<i>For 14 Gauge Doors, Add</i>	23.44	
<b>10 51 13 00-0017 Two Tier Institutional Or Corridor Locker</b> <small>(10 51 13 00-0001)</small>					
Note: Includes three single hooks and one double hook per tier.					
10 51	13 00-0018	EA	12" x 12" x 60" Two Tier Institutional Or Corridor Locker.....	193.49	12.56
			<i>For &gt;25 To 50, Deduct</i>	-8.42	
			<i>For &gt;50 To 100, Deduct</i>	-17.21	
			<i>For &gt;100, Deduct</i>	-26.01	
			<i>For 14 Gauge Doors, Add</i>	18.52	
10 51	13 00-0019	EA	12" x 15" x 60" Two Tier Institutional Or Corridor Locker.....	198.04	12.56
			<i>For &gt;25 To 50, Deduct</i>	-8.65	
			<i>For &gt;50 To 100, Deduct</i>	-17.67	
			<i>For &gt;100, Deduct</i>	-26.69	
			<i>For 14 Gauge Doors, Add</i>	19.02	
10 51	13 00-0020	EA	12" x 18" x 60" Two Tier Institutional Or Corridor Locker.....	202.64	12.56
			<i>For &gt;25 To 50, Deduct</i>	-8.88	
			<i>For &gt;50 To 100, Deduct</i>	-18.13	
			<i>For &gt;100, Deduct</i>	-27.38	
			<i>For 14 Gauge Doors, Add</i>	19.53	
10 51	13 00-0021	EA	12" x 12" x 72" Two Tier Institutional Or Corridor Locker.....	202.63	12.95
			<i>For &gt;25 To 50, Deduct</i>	-8.84	
			<i>For &gt;50 To 100, Deduct</i>	-18.06	
			<i>For &gt;100, Deduct</i>	-27.29	
			<i>For 14 Gauge Doors, Add</i>	19.44	
10 51	13 00-0022	EA	12" x 15" x 72" Two Tier Institutional Or Corridor Locker.....	212.59	12.95
			<i>For &gt;25 To 50, Deduct</i>	-9.33	
			<i>For &gt;50 To 100, Deduct</i>	-19.06	
			<i>For &gt;100, Deduct</i>	-28.78	
			<i>For 14 Gauge Doors, Add</i>	20.53	
10 51	13 00-0023	EA	12" x 18" x 72" Two Tier Institutional Or Corridor Locker.....	218.60	12.95
			<i>For &gt;25 To 50, Deduct</i>	-9.63	
			<i>For &gt;50 To 100, Deduct</i>	-19.66	
			<i>For &gt;100, Deduct</i>	-29.68	
			<i>For 14 Gauge Doors, Add</i>	21.20	
10 51	13 00-0024	EA	15" x 15" x 72" Two Tier Institutional Or Corridor Locker.....	227.22	12.95
			<i>For &gt;25 To 50, Deduct</i>	-10.07	
			<i>For &gt;50 To 100, Deduct</i>	-20.52	
			<i>For &gt;100, Deduct</i>	-30.97	
			<i>For 14 Gauge Doors, Add</i>	22.14	
10 51	13 00-0025	EA	15" x 18" x 72" Two Tier Institutional Or Corridor Locker.....	235.88	12.95
			<i>For &gt;25 To 50, Deduct</i>	-10.50	
			<i>For &gt;50 To 100, Deduct</i>	-21.39	
			<i>For &gt;100, Deduct</i>	-32.27	
			<i>For 14 Gauge Doors, Add</i>	23.10	
10 51	13 00-0026	EA	18" x 18" x 72" Two Tier Institutional Or Corridor Locker.....	275.04	12.95
			<i>For &gt;25 To 50, Deduct</i>	-12.46	
			<i>For &gt;50 To 100, Deduct</i>	-25.30	
			<i>For &gt;100, Deduct</i>	-38.15	
			<i>For 14 Gauge Doors, Add</i>	27.40	
10 51	13 00-0027	EA	18" x 21" x 72" Two Tier Institutional Or Corridor Locker.....	282.15	12.95
			<i>For &gt;25 To 50, Deduct</i>	-12.81	
			<i>For &gt;50 To 100, Deduct</i>	-26.01	
			<i>For &gt;100, Deduct</i>	-39.21	
			<i>For 14 Gauge Doors, Add</i>	28.19	
<b>10 51 13 00-0028 Three Tier Institutional Or Corridor Locker</b> <small>(10 51 13 00-0001)</small>					
Note: Includes one double hook per tier.					
10 51	13 00-0029	EA	12" x 12" x 72" Three Tier Institutional Or Corridor Locker.....	229.86	13.35
			<i>For &gt;25 To 50, Deduct</i>	-10.16	
			<i>For &gt;50 To 100, Deduct</i>	-20.72	
			<i>For &gt;100, Deduct</i>	-31.28	
			<i>For 14 Gauge Doors, Add</i>	30.47	

<b>10</b>	<b>Specialties</b>
<b>10 50</b>	<b>Storage Specialties</b>
<b>10 51</b>	<b>Lockers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51	13 00-0030	EA	12" x 15" x 72" Three Tier Institutional Or Corridor Locker .....	234.54	13.35
			<i>For &gt;25 To 50, Deduct</i>	-10.39	
			<i>For &gt;50 To 100, Deduct</i>	-21.18	
			<i>For &gt;100, Deduct</i>	-31.98	
			<i>For 14 Gauge Doors, Add</i>	31.18	
10 51	13 00-0031	EA	12" x 18" x 72" Three Tier Institutional Or Corridor Locker .....	251.17	13.35
			<i>For &gt;25 To 50, Deduct</i>	-11.22	
			<i>For &gt;50 To 100, Deduct</i>	-22.85	
			<i>For &gt;100, Deduct</i>	-34.47	
			<i>For 14 Gauge Doors, Add</i>	33.67	
10 51	13 00-0032	EA	15" x 15" x 72" Three Tier Institutional Or Corridor Locker .....	267.09	13.35
			<i>For &gt;25 To 50, Deduct</i>	-12.02	
			<i>For &gt;50 To 100, Deduct</i>	-24.44	
			<i>For &gt;100, Deduct</i>	-36.86	
			<i>For 14 Gauge Doors, Add</i>	36.06	
10 51	13 00-0033	EA	15" x 18" x 72" Three Tier Institutional Or Corridor Locker .....	279.76	13.35
			<i>For &gt;25 To 50, Deduct</i>	-12.65	
			<i>For &gt;50 To 100, Deduct</i>	-25.71	
			<i>For &gt;100, Deduct</i>	-38.76	
			<i>For 14 Gauge Doors, Add</i>	37.96	
<b>10 51</b>	<b>13 00-0034</b>		<b>Four Tier Institutional Or Corridor Locker</b> <small>(10 51 13 00-0001)</small>		
10 51	13 00-0035	EA	12" x 12" x 72" Four Tier Institutional Or Corridor Locker .....	224.39	13.75
			<i>For &gt;25 To 50, Deduct</i>	-9.85	
			<i>For &gt;50 To 100, Deduct</i>	-20.10	
			<i>For &gt;100, Deduct</i>	-30.36	
10 51	13 00-0036	EA	12" x 15" x 72" Four Tier Institutional Or Corridor Locker .....	232.55	13.75
			<i>For &gt;25 To 50, Deduct</i>	-10.25	
			<i>For &gt;50 To 100, Deduct</i>	-20.92	
			<i>For &gt;100, Deduct</i>	-31.58	
10 51	13 00-0037	EA	12" x 18" x 72" Four Tier Institutional Or Corridor Locker .....	245.69	13.75
			<i>For &gt;25 To 50, Deduct</i>	-10.91	
			<i>For &gt;50 To 100, Deduct</i>	-22.23	
			<i>For &gt;100, Deduct</i>	-33.56	
10 51	13 00-0038	EA	15" x 15" x 72" Four Tier Institutional Or Corridor Locker .....	256.19	13.75
			<i>For &gt;25 To 50, Deduct</i>	-11.44	
			<i>For &gt;50 To 100, Deduct</i>	-23.28	
			<i>For &gt;100, Deduct</i>	-35.13	
10 51	13 00-0039	EA	15" x 18" x 72" Four Tier Institutional Or Corridor Locker .....	271.32	13.75
			<i>For &gt;25 To 50, Deduct</i>	-12.19	
			<i>For &gt;50 To 100, Deduct</i>	-24.80	
			<i>For &gt;100, Deduct</i>	-37.40	
<b>10 51</b>	<b>13 00-0040</b>		<b>Six Tier Institutional Or Corridor Locker</b> <small>(10 51 13 00-0001)</small>		
10 51	13 00-0041	EA	12" x 12" x 72" Six Tier Institutional Or Corridor Locker.....	245.72	14.13
			<i>For &gt;25 To 50, Deduct</i>	-10.87	
			<i>For &gt;50 To 100, Deduct</i>	-22.17	
			<i>For &gt;100, Deduct</i>	-33.47	
10 51	13 00-0042	EA	12" x 15" x 72" Six Tier Institutional Or Corridor Locker.....	252.01	14.13
			<i>For &gt;25 To 50, Deduct</i>	-11.19	
			<i>For &gt;50 To 100, Deduct</i>	-22.80	
			<i>For &gt;100, Deduct</i>	-34.41	
10 51	13 00-0043	EA	12" x 18" x 72" Six Tier Institutional Or Corridor Locker.....	263.90	14.13
			<i>For &gt;25 To 50, Deduct</i>	-11.78	
			<i>For &gt;50 To 100, Deduct</i>	-23.99	
			<i>For &gt;100, Deduct</i>	-36.19	
<b>10 51</b>	<b>13 00-0044</b>		<b>Locker And Coat Rack Combination</b> <small>(10 51 13 00-0001)</small>		
10 51	13 00-0045	EA	45" x 18" x 12", 4 Person Wall Mount Locker And Coat Rack Combination.....	486.82	9.42
10 51	13 00-0046	EA	72" x 18" x 78", 16 Person Locker And Coat Rack Combination .....	769.60	19.63
<b>10 51</b>	<b>13 00-0047</b>		<b>Athletic Lockers</b> <small>(10 51 13)</small>		
			Note: Price per frame. Includes baked enamel paint, diamond perforated doors and sides, 16 gauge solid top, bottom, and shelves and 6" legs. Excludes slope top, base fillers, and locks.		
<b>10 51</b>	<b>13 00-0048</b>		<b>Single Tier Athletic Locker</b> <small>(10 51 13 00-0047)</small>		
			Note: Includes one hat shelf, three single hooks and one double hook.		
10 51	13 00-0049	EA	12" x 15" x 60" Single Tier Athletic Locker .....	252.25	12.56
			<i>For &gt;25 To 50, Deduct</i>	-11.36	
			<i>For &gt;50 To 100, Deduct</i>	-23.09	
			<i>For &gt;100, Deduct</i>	-34.82	
10 51	13 00-0050	EA	12" x 18" x 60" Single Tier Athletic Locker .....	261.84	12.56
			<i>For &gt;25 To 50, Deduct</i>	-11.84	
			<i>For &gt;50 To 100, Deduct</i>	-24.05	
			<i>For &gt;100, Deduct</i>	-36.26	
10 51	13 00-0051	EA	15" x 15" x 60" Single Tier Athletic Locker .....	268.01	12.56
			<i>For &gt;25 To 50, Deduct</i>	-12.14	
			<i>For &gt;50 To 100, Deduct</i>	-24.66	
			<i>For &gt;100, Deduct</i>	-37.19	



<b>Specialties</b>	<b>10</b>	<b>10</b>
Storage Specialties	10 50	
Lockers	10 51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51	13 00-0052	EA	15" x 18" x 60" Single Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	278.25 -12.66 -25.69 -38.72	12.56
10 51	13 00-0053	EA	18" x 18" x 60" Single Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	322.42 -14.86 -30.11 -45.35	12.56
10 51	13 00-0054	EA	18" x 21" x 60" Single Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	357.54 -16.62 -33.62 -50.62	12.56
10 51	13 00-0055	EA	18" x 24" x 60" Single Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	381.56 -17.82 -36.02 -54.22	12.56
10 51	13 00-0056	EA	12" x 15" x 72" Single Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	262.90 -11.89 -24.15 -36.42	12.56
10 51	13 00-0057	EA	12" x 18" x 72" Single Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	280.18 -12.75 -25.88 -39.01	12.56
10 51	13 00-0058	EA	15" x 15" x 72" Single Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	286.25 -13.06 -26.49 -39.92	12.56
10 51	13 00-0059	EA	15" x 18" x 72" Single Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	297.34 -13.61 -27.60 -41.59	12.56
10 51	13 00-0060	EA	18" x 18" x 72" Single Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	324.69 -14.98 -30.33 -45.69	12.56
10 51	13 00-0061	EA	18" x 21" x 72" Single Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	353.35 -16.41 -33.20 -49.99	12.56
10 51	13 00-0062	EA	18" x 24" x 72" Single Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	404.15 -18.95 -38.28 -57.61	12.56
10 51	13 00-0063		<b>Two Tier Athletic Locker</b> <small>(10 51 13 00-0047)</small> Note: Includes three single hooks and one double hook per tier.		
10 51	13 00-0064	EA	12" x 12" x 60" Two Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	285.06 -12.96 -26.30 -39.65	12.95
10 51	13 00-0065	EA	12" x 15" x 60" Two Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	295.27 -13.47 -27.32 -41.18	12.95
10 51	13 00-0066	EA	12" x 18" x 60" Two Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	306.77 -14.04 -28.47 -42.91	12.95
10 51	13 00-0067	EA	15" x 15" x 60" Two Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	307.89 -14.10 -28.59 -43.07	12.95
10 51	13 00-0068	EA	15" x 18" x 60" Two Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	310.28 -14.22 -28.83 -43.43	12.95
10 51	13 00-0069	EA	18" x 18" x 60" Two Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	330.47 -15.23 -30.84 -46.46	12.95
10 51	13 00-0070	EA	18" x 21" x 60" Two Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	345.26 -15.97 -32.32 -48.68	12.95
10 51	13 00-0071	EA	18" x 24" x 60" Two Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	411.32 -19.27 -38.93 -58.59	12.95
10 51	13 00-0072	EA	12" x 12" x 72" Two Tier Athletic Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	296.12 -13.51 -27.41 -41.31	12.95

**10 Specialties****10 50 Storage Specialties****10 51 Lockers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0073	EA		12" x 15" x 72" Two Tier Athletic Locker .....	306.57	12.95
			<i>For &gt;25 To 50, Deduct</i>	-14.03	
			<i>For &gt;50 To 100, Deduct</i>	-28.45	
			<i>For &gt;100, Deduct</i>	-42.88	
10 51 13 00-0074	EA		12" x 18" x 72" Two Tier Athletic Locker .....	320.83	12.95
			<i>For &gt;25 To 50, Deduct</i>	-14.75	
			<i>For &gt;50 To 100, Deduct</i>	-29.88	
			<i>For &gt;100, Deduct</i>	-45.02	
10 51 13 00-0075	EA		15" x 15" x 72" Two Tier Athletic Locker .....	322.99	12.95
			<i>For &gt;25 To 50, Deduct</i>	-14.85	
			<i>For &gt;50 To 100, Deduct</i>	-30.10	
			<i>For &gt;100, Deduct</i>	-45.34	
10 51 13 00-0076	EA		15" x 18" x 72" Two Tier Athletic Locker .....	334.70	12.95
			<i>For &gt;25 To 50, Deduct</i>	-15.44	
			<i>For &gt;50 To 100, Deduct</i>	-31.27	
			<i>For &gt;100, Deduct</i>	-47.10	
10 51 13 00-0077	EA		18" x 18" x 72" Two Tier Athletic Locker .....	349.10	12.95
			<i>For &gt;25 To 50, Deduct</i>	-16.16	
			<i>For &gt;50 To 100, Deduct</i>	-32.71	
			<i>For &gt;100, Deduct</i>	-49.26	
10 51 13 00-0078	EA		18" x 21" x 72" Two Tier Athletic Locker .....	381.40	12.95
			<i>For &gt;25 To 50, Deduct</i>	-17.77	
			<i>For &gt;50 To 100, Deduct</i>	-35.94	
			<i>For &gt;100, Deduct</i>	-54.10	
10 51 13 00-0079	EA		18" x 24" x 72" Two Tier Athletic Locker .....	432.73	12.95
			<i>For &gt;25 To 50, Deduct</i>	-20.34	
			<i>For &gt;50 To 100, Deduct</i>	-41.07	
			<i>For &gt;100, Deduct</i>	-61.80	
<b>10 51 13 00-0080</b>			<b>Three Tier Athletic Locker</b> <small>(10 51 13 00-0047)</small>		
			Note: Includes one double hook per tier.		
10 51 13 00-0081	EA		12" x 12" x 60" Three Tier Athletic Locker .....	310.44	13.35
			<i>For &gt;25 To 50, Deduct</i>	-14.19	
			<i>For &gt;50 To 100, Deduct</i>	-28.77	
			<i>For &gt;100, Deduct</i>	-43.36	
10 51 13 00-0082	EA		12" x 15" x 60" Three Tier Athletic Locker .....	326.99	13.35
			<i>For &gt;25 To 50, Deduct</i>	-15.01	
			<i>For &gt;50 To 100, Deduct</i>	-30.43	
			<i>For &gt;100, Deduct</i>	-45.84	
10 51 13 00-0083	EA		12" x 18" x 60" Three Tier Athletic Locker .....	341.62	13.35
			<i>For &gt;25 To 50, Deduct</i>	-15.75	
			<i>For &gt;50 To 100, Deduct</i>	-31.89	
			<i>For &gt;100, Deduct</i>	-48.04	
10 51 13 00-0084	EA		15" x 15" x 60" Three Tier Athletic Locker .....	351.56	13.35
			<i>For &gt;25 To 50, Deduct</i>	-16.24	
			<i>For &gt;50 To 100, Deduct</i>	-32.89	
			<i>For &gt;100, Deduct</i>	-49.53	
10 51 13 00-0085	EA		15" x 18" x 60" Three Tier Athletic Locker .....	368.10	13.35
			<i>For &gt;25 To 50, Deduct</i>	-17.07	
			<i>For &gt;50 To 100, Deduct</i>	-34.54	
			<i>For &gt;100, Deduct</i>	-52.01	
10 51 13 00-0086	EA		12" x 12" x 72" Three Tier Athletic Locker .....	329.29	13.35
			<i>For &gt;25 To 50, Deduct</i>	-15.13	
			<i>For &gt;50 To 100, Deduct</i>	-30.66	
			<i>For &gt;100, Deduct</i>	-46.19	
10 51 13 00-0087	EA		12" x 15" x 72" Three Tier Athletic Locker .....	344.24	13.35
			<i>For &gt;25 To 50, Deduct</i>	-15.88	
			<i>For &gt;50 To 100, Deduct</i>	-32.15	
			<i>For &gt;100, Deduct</i>	-48.43	
10 51 13 00-0088	EA		12" x 18" x 72" Three Tier Athletic Locker .....	364.86	13.35
			<i>For &gt;25 To 50, Deduct</i>	-16.91	
			<i>For &gt;50 To 100, Deduct</i>	-34.22	
			<i>For &gt;100, Deduct</i>	-51.53	
10 51 13 00-0089	EA		15" x 15" x 72" Three Tier Athletic Locker .....	375.41	13.35
			<i>For &gt;25 To 50, Deduct</i>	-17.44	
			<i>For &gt;50 To 100, Deduct</i>	-35.27	
			<i>For &gt;100, Deduct</i>	-53.11	
10 51 13 00-0090	EA		15" x 18" x 72" Three Tier Athletic Locker .....	391.25	13.35
			<i>For &gt;25 To 50, Deduct</i>	-18.23	
			<i>For &gt;50 To 100, Deduct</i>	-36.86	
			<i>For &gt;100, Deduct</i>	-55.48	
<b>10 51 13 00-0091</b>			<b>Four Tier Athletic Locker</b> <small>(10 51 13 00-0047)</small>		
10 51 13 00-0092	EA		12" x 12" x 60" Four Tier Athletic Locker .....	283.00	13.75
			<i>For &gt;25 To 50, Deduct</i>	-12.78	
			<i>For &gt;50 To 100, Deduct</i>	-25.96	
			<i>For &gt;100, Deduct</i>	-39.15	
10 51 13 00-0093	EA		12" x 15" x 60" Four Tier Athletic Locker .....	303.26	13.75
			<i>For &gt;25 To 50, Deduct</i>	-13.79	
			<i>For &gt;50 To 100, Deduct</i>	-27.99	
			<i>For &gt;100, Deduct</i>	-42.19	



<b>Specialties</b>	<b>10</b>	<b>10</b>
<b>Storage Specialties</b>	<b>10 50</b>	
<b>Lockers</b>	<b>10 51</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0094 EA 12" x 18" x 60" Four Tier Athletic Locker ..... For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	323.53 -14.80 -30.02 -45.23	13.75
10 51 13 00-0095 EA 15" x 15" x 60" Four Tier Athletic Locker ..... For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	331.81 -15.22 -30.85 -46.47	13.75
10 51 13 00-0096 EA 15" x 18" x 60" Four Tier Athletic Locker ..... For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	365.10 -16.88 -34.17 -51.47	13.75
10 51 13 00-0097 EA 12" x 12" x 72" Four Tier Athletic Locker ..... For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	303.62 -13.81 -28.03 -42.25	13.75
10 51 13 00-0098 EA 12" x 15" x 72" Four Tier Athletic Locker ..... For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	324.18 -14.84 -30.08 -45.33	13.75
10 51 13 00-0099 EA 12" x 18" x 72" Four Tier Athletic Locker ..... For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	344.73 -15.86 -32.14 -48.41	13.75
10 51 13 00-0100 EA 15" x 15" x 72" Four Tier Athletic Locker ..... For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	355.26 -16.39 -33.19 -49.99	13.75
10 51 13 00-0101 EA 15" x 18" x 72" Four Tier Athletic Locker ..... For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	363.15 -16.78 -33.98 -51.17	13.75
<b>10 51 13 00-0102 Six Tier Athletic Locker (10 51 13 00-0047)</b>		
10 51 13 00-0103 EA 12" x 12" x 72" Six Tier Athletic Locker..... For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	338.98 -15.54 -31.50 -47.45	14.13
10 51 13 00-0104 EA 12" x 15" x 72" Six Tier Athletic Locker..... For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	354.77 -16.33 -33.07 -49.82	14.13
10 51 13 00-0105 EA 12" x 18" x 72" Six Tier Athletic Locker..... For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	370.53 -17.11 -34.65 -52.19	14.13
10 51 13 00-0106 EA 12" x 21" x 72" Six Tier Athletic Locker..... For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	428.07 -19.99 -40.40 -60.82	14.13
<b>10 51 13 00-0107 Open Front, All-Welded Steel Stadium Lockers (10 51 13)</b>		
Note: 16 gauge perforated with diamond-shaped holes sides, 18 gauge solid back, 16 gauge top, bottom, front frame and shelf. The gauge of the optional foot locker seat and security box door is 14 GA.		
10 51 13 00-0108 EA 18" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD01) ..... Note: Includes shelf and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	193.18 -9.12 -18.40 -27.68	7.56
10 51 13 00-0109 EA 24" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD10) ..... Note: Includes shelf and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	207.26 -9.77 -19.72 -29.68	8.24
10 51 13 00-0110 EA 24" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD20) ..... Note: Includes shelf and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	217.00 -10.26 -20.70 -31.14	8.24
10 51 13 00-0111 EA 24" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD30) ..... Note: Includes shelf and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	225.93 -10.71 -21.59 -32.48	8.24
10 51 13 00-0112 EA 33" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD40) ..... Note: Includes shelf and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	211.05 -9.88 -19.95 -30.03	9.50
10 51 13 00-0113 EA 33" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD50) ..... Note: Includes shelf and 4" high integral base. For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct	228.32 -10.74 -21.68 -32.62	9.50



<b>10</b>	<b>Specialties</b>
<b>10 50</b>	<b>Storage Specialties</b>
<b>10 51</b>	<b>Lockers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51	13 00-0114	EA	33" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD60).....	235.97	9.50
			Note: Includes shelf and 4" high integral base.		
			For >25 To 50, Deduct	-11.12	
			For >50 To 100, Deduct	-22.45	
			For >100, Deduct	-33.77	
10 51	13 00-0115	EA	18" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD09).....	199.64	7.56
			Note: Includes shelf, security box and 4" high integral base.		
			For >25 To 50, Deduct	-9.44	
			For >50 To 100, Deduct	-19.05	
			For >100, Deduct	-28.65	
10 51	13 00-0116	EA	24" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD11).....	227.63	8.24
			Note: Includes shelf, security box and 4" high integral base.		
			For >25 To 50, Deduct	-10.79	
			For >50 To 100, Deduct	-21.76	
			For >100, Deduct	-32.73	
10 51	13 00-0117	EA	24" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD21).....	238.82	8.24
			Note: Includes shelf, security box and 4" high integral base.		
			For >25 To 50, Deduct	-11.35	
			For >50 To 100, Deduct	-22.88	
			For >100, Deduct	-34.41	
10 51	13 00-0118	EA	24" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD31).....	243.81	8.24
			Note: Includes shelf, security box and 4" high integral base.		
			For >25 To 50, Deduct	-11.60	
			For >50 To 100, Deduct	-23.38	
			For >100, Deduct	-35.16	
10 51	13 00-0119	EA	33" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD41).....	232.88	9.50
			Note: Includes shelf, security box and 4" high integral base.		
			For >25 To 50, Deduct	-10.97	
			For >50 To 100, Deduct	-22.14	
			For >100, Deduct	-33.31	
10 51	13 00-0120	EA	33" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD51).....	250.17	9.50
			Note: Includes shelf, security box and 4" high integral base.		
			For >25 To 50, Deduct	-11.83	
			For >50 To 100, Deduct	-23.87	
			For >100, Deduct	-35.90	
10 51	13 00-0121	EA	33" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD61).....	255.27	9.50
			Note: Includes shelf, security box and 4" high integral base.		
			For >25 To 50, Deduct	-12.09	
			For >50 To 100, Deduct	-24.38	
			For >100, Deduct	-36.67	
10 51	13 00-0122	EA	18" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD02).....	239.96	7.56
			Note: Includes shelf, foot locker and 4" high integral base.		
			For >25 To 50, Deduct	-11.46	
			For >50 To 100, Deduct	-23.08	
			For >100, Deduct	-34.70	
10 51	13 00-0123	EA	24" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD12).....	254.94	8.24
			Note: Includes shelf, foot locker and 4" high integral base.		
			For >25 To 50, Deduct	-12.16	
			For >50 To 100, Deduct	-24.49	
			For >100, Deduct	-36.83	
10 51	13 00-0124	EA	24" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD22).....	268.58	8.24
			Note: Includes shelf, foot locker and 4" high integral base.		
			For >25 To 50, Deduct	-12.84	
			For >50 To 100, Deduct	-25.86	
			For >100, Deduct	-38.87	
10 51	13 00-0125	EA	24" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD32).....	271.17	8.24
			Note: Includes shelf, foot locker and 4" high integral base.		
			For >25 To 50, Deduct	-12.97	
			For >50 To 100, Deduct	-26.12	
			For >100, Deduct	-39.26	
10 51	13 00-0126	EA	33" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD42).....	299.99	9.50
			Note: Includes shelf, foot locker and 4" high integral base.		
			For >25 To 50, Deduct	-14.32	
			For >50 To 100, Deduct	-28.85	
			For >100, Deduct	-43.37	
10 51	13 00-0127	EA	33" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD52).....	308.59	9.50
			Note: Includes shelf, foot locker and 4" high integral base.		
			For >25 To 50, Deduct	-14.75	
			For >50 To 100, Deduct	-29.71	
			For >100, Deduct	-44.66	
10 51	13 00-0128	EA	33" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD62).....	318.02	9.50
			Note: Includes shelf, foot locker and 4" high integral base.		
			For >25 To 50, Deduct	-15.22	
			For >50 To 100, Deduct	-30.65	
			For >100, Deduct	-46.08	
10 51	13 00-0129	EA	18" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD03).....	260.88	7.56
			Note: Includes shelf, foot locker, security box and 4" high integral base.		
			For >25 To 50, Deduct	-12.50	
			For >50 To 100, Deduct	-25.17	
			For >100, Deduct	-37.84	
10 51	13 00-0130	EA	24" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD13).....	281.88	8.24
			Note: Includes shelf, foot locker, security box and 4" high integral base.		
			For >25 To 50, Deduct	-13.51	
			For >50 To 100, Deduct	-27.19	
			For >100, Deduct	-40.87	



<b>Specialties</b>	<b>10</b>
<b>Storage Specialties</b>	<b>10 50</b>
<b>Lockers</b>	<b>10 51</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51	13 00-0131	EA	24" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD23) ..... Note: Includes shelf, foot locker, security box and 4" high integral base. For >25 To 50, Deduct ..... -13.77 For >50 To 100, Deduct ..... -27.72 For >100, Deduct ..... -41.67	287.20	8.24
10 51	13 00-0132	EA	24" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD33) ..... Note: Includes shelf, foot locker, security box and 4" high integral base. For >25 To 50, Deduct ..... -14.42 For >50 To 100, Deduct ..... -29.01 For >100, Deduct ..... -43.60	300.10	8.24
10 51	13 00-0133	EA	33" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD43) ..... Note: Includes shelf, foot locker, security box and 4" high integral base. For >25 To 50, Deduct ..... -18.97 For >50 To 100, Deduct ..... -38.14 For >100, Deduct ..... -57.31	392.91	9.50
10 51	13 00-0134	EA	33" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD53) ..... Note: Includes shelf, foot locker, security box and 4" high integral base. For >25 To 50, Deduct ..... -19.30 For >50 To 100, Deduct ..... -38.79 For >100, Deduct ..... -58.29	399.45	9.50
10 51	13 00-0135	EA	33" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD63) ..... Note: Includes shelf, foot locker, security box and 4" high integral base. For >25 To 50, Deduct ..... -19.62 For >50 To 100, Deduct ..... -39.45 For >100, Deduct ..... -59.28	406.00	9.50
10 51	13 00-0136		<b>Metal Locker Accessories</b> (10 51 13)		
10 51	13 00-0137		<b>Locker Slope Tops</b> (10 51 13 00-0136)		
10 51	13 00-0138		<b>16 Gauge Continuous Sloping Hood</b> (10 51 13 00-0137)		
10 51	13 00-0139	LF	12" Deep, 16 Gauge Continuous Slope Top.....	19.98	1.57
10 51	13 00-0140	LF	15" Deep, 16 Gauge Continuous Slope Top.....	16.38	1.57
10 51	13 00-0141	LF	18" Deep, 16 Gauge Continuous Slope Top.....	23.66	1.57
10 51	13 00-0142	LF	21" Deep, 16 Gauge Continuous Slope Top.....	26.46	1.57
10 51	13 00-0143	LF	24" Deep, 16 Gauge Continuous Slope Top.....	27.76	1.57
10 51	13 00-0144		<b>16 Gauge Slope Top Corner Fillers</b> (10 51 13 00-0137)		
10 51	13 00-0145	EA	12" Deep, 16 Gauge Slope Top Corner Fillers.....	92.18	1.57
10 51	13 00-0146	EA	15" Deep, 16 Gauge Slope Top Corner Fillers.....	94.22	1.57
10 51	13 00-0147	EA	18" Deep, 16 Gauge Slope Top Corner Fillers.....	96.25	1.57
10 51	13 00-0148	EA	21" Deep, 16 Gauge Slope Top Corner Fillers.....	98.71	1.57
10 51	13 00-0149	EA	24" Deep, 16 Gauge Slope Top Corner Fillers.....	101.14	1.57
10 51	13 00-0150		<b>20 Gauge Individual Slope Top</b> (10 51 13 00-0137)		
10 51	13 00-0151	EA	12" Wide x 12" Deep 20 Gauge Individual Slope Top.....	16.74	1.57
10 51	13 00-0152	EA	12" Wide x 15" Deep 20 Gauge Individual Slope Top.....	16.61	1.57
10 51	13 00-0153	EA	12" Wide x 18" Deep 20 Gauge Individual Slope Top.....	18.82	1.57
10 51	13 00-0154	EA	15" Wide x 15" Deep 20 Gauge Individual Slope Top.....	18.82	1.57
10 51	13 00-0155	EA	15" Wide x 18" Deep 20 Gauge Individual Slope Top.....	19.34	1.57
10 51	13 00-0156	EA	15" Wide x 21" Deep 20 Gauge Individual Slope Top.....	21.44	1.57
10 51	13 00-0157	EA	18" Wide x 18" Deep 20 Gauge Individual Slope Top.....	21.44	1.57
10 51	13 00-0158	EA	18" Wide x 21" Deep 20 Gauge Individual Slope Top.....	24.19	1.57
10 51	13 00-0159	EA	18" Wide x 24" Deep 20 Gauge Individual Slope Top.....	27.47	1.57
10 51	13 00-0160		<b>Continuous Slope Top End Closures</b> (10 51 13 00-0137)		
10 51	13 00-0161	PR	12" Deep, Continuous Slope Top End Closures.....	18.04	1.57
10 51	13 00-0162	PR	15" Deep, Continuous Slope Top End Closures.....	14.88	1.57
10 51	13 00-0163	PR	18" Deep, Continuous Slope Top End Closures.....	20.65	1.57
10 51	13 00-0164	PR	21" Deep, Continuous Slope Top End Closures.....	21.96	1.57
10 51	13 00-0165	PR	24" Deep, Continuous Slope Top End Closures.....	22.86	1.57
10 51	13 00-0166		<b>Individual Slope Top End Closures</b> (10 51 13 00-0137)		
10 51	13 00-0167	EA	12" Deep, Individual Slope Top End Closures.....	10.59	1.57
10 51	13 00-0168	EA	15" Deep, Individual Slope Top End Closures.....	11.00	1.57
10 51	13 00-0169	EA	18" Deep, Individual Slope Top End Closures.....	11.91	1.57
10 51	13 00-0170	EA	21" Deep, Individual Slope Top End Closures.....	12.54	1.57
10 51	13 00-0171	EA	24" Deep, Individual Slope Top End Closures.....	18.99	1.57
10 51	13 00-0172		<b>Locker Base</b> (10 51 13 00-0136)		
10 51	13 00-0173		<b>Closed Front Base</b> (10 51 13 00-0172)		
10 51	13 00-0174	EA	12" Wide, 6" High Closed Front Base.....	11.29	1.57
10 51	13 00-0175	EA	15" Wide, 6" High Closed Front Base.....	11.97	1.57
10 51	13 00-0176	EA	18" Wide, 6" High Closed Front Base.....	13.39	1.57
10 51	13 00-0177	EA	24" Wide, 6" High Closed Front Base.....	14.08	1.57



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>10 51 13 00-0178</b> <b>Closed End Base</b> <small>(10 51 13 00-0172)</small>		
10 51 13 00-0179 EA 12" Deep, 6" High Closed End Base.....	13.18	1.57
10 51 13 00-0180 EA 15" Deep, 6" High Closed End Base.....	13.30	1.57
10 51 13 00-0181 EA 18" Deep, 6" High Closed End Base.....	14.22	1.57
10 51 13 00-0182 EA 21" Deep, 6" High Closed End Base.....	15.13	1.57
10 51 13 00-0183 EA 24" Deep, 6" High Closed End Base.....	16.37	1.57
<b>10 51 13 00-0184</b> <b>Recessed Continuous Front "Z" Base</b> <small>(10 51 13 00-0172)</small>		
10 51 13 00-0185 LF 4" High Recessed Continuous Front "Z" Base.....	14.76	1.18
<b>10 51 13 00-0186</b> <b>"Z" Base Ends Or Splice</b> <small>(10 51 13 00-0172)</small>		
10 51 13 00-0187 EA 12" Wide, 4" High Z-Base Ends Or Splice.....	13.92	1.57
10 51 13 00-0188 EA 15" Wide, 4" High Z-Base Ends Or Splice.....	16.61	1.57
10 51 13 00-0189 EA 18" Wide, 4" High Z-Base Ends Or Splice.....	19.34	1.57
10 51 13 00-0190 EA 21" Wide, 4" High Z-Base Ends Or Splice.....	22.23	1.57
10 51 13 00-0191 EA 24" Wide, 4" High Z-Base Ends Or Splice.....	25.10	1.57
<b>10 51 13 00-0192</b> <b>Locker Front Fillers And End Panels</b> <small>(10 51 13 00-0136)</small>		
<b>10 51 13 00-0193</b> <b>Locker Front Fillers</b> <small>(10 51 13 00-0192)</small>		
10 51 13 00-0194 EA 6" Wide x 48" High, 16 Gauge Front Filler.....	18.30	1.96
10 51 13 00-0195 EA 12" Wide x 48" High, 16 Gauge Front Filler.....	32.02	1.96
10 51 13 00-0196 EA 6" Wide x 60" High, 16 Gauge Front Filler.....	23.94	1.96
10 51 13 00-0197 EA 12" Wide x 60" High, 16 Gauge Front Filler.....	39.05	1.96
10 51 13 00-0198 EA 6" Wide x 66" High, 16 Gauge Front Filler.....	26.40	1.96
10 51 13 00-0199 EA 12" Wide x 66" High, 16 Gauge Front Filler.....	30.14	1.96
10 51 13 00-0200 EA 6" Wide x 72" High, 16 Gauge Front Filler.....	29.26	1.96
10 51 13 00-0201 EA 12" Wide x 72" High, 16 Gauge Front Filler.....	43.13	1.96
10 51 13 00-0202 EA 6" Wide x 78" High, 16 Gauge Front Filler.....	30.05	1.96
10 51 13 00-0203 EA 12" Wide x 78" High, 16 Gauge Front Filler.....	35.65	1.96
<b>10 51 13 00-0204</b> <b>Locker End Panels</b> <small>(10 51 13 00-0192)</small>		
10 51 13 00-0205 EA 12" Deep x 48" High, 16 Gauge End Panel.....	33.39	1.57
10 51 13 00-0206 EA 15" Deep x 48" High, 16 Gauge End Panel.....	41.46	1.57
10 51 13 00-0207 EA 18" Deep x 48" High, 16 Gauge End Panel.....	49.23	1.57
10 51 13 00-0208 EA 12" Deep x 60" High, 16 Gauge End Panel.....	40.00	1.57
10 51 13 00-0209 EA 15" Deep x 60" High, 16 Gauge End Panel.....	45.79	1.57
10 51 13 00-0210 EA 18" Deep x 60" High, 16 Gauge End Panel.....	54.90	1.57
10 51 13 00-0211 EA 12" Deep x 72" High, 16 Gauge End Panel.....	47.70	1.57
10 51 13 00-0212 EA 15" Deep x 72" High, 16 Gauge End Panel.....	54.74	1.57
10 51 13 00-0213 EA 18" Deep x 72" High, 16 Gauge End Panel.....	64.11	1.57
10 51 13 00-0214 EA 21" Deep x 72" High, 16 Gauge End Panel.....	74.29	1.57
<b>10 51 13 00-0215</b> <b>Locker Recessed Trim</b> <small>(10 51 13 00-0136)</small>		
10 51 13 00-0216 LF 3" Height, Top Trim For Recessed Lockers.....	5.95	0.79
10 51 13 00-0217 EA 3" Height, Inside And Outside Top Corner Trim For Recessed Lockers.....	17.62	1.57
10 51 13 00-0218 EA 60" Height, 3" Wide Side Trim For Recessed Lockers.....	28.48	1.57
10 51 13 00-0219 EA 66" Height, 3" Wide Side Trim For Recessed Lockers.....	29.63	1.57
10 51 13 00-0220 EA 72" Height, 3" Wide Side Trim For Recessed Lockers.....	30.77	1.57
10 51 13 00-0221 EA 78" Height, 3" Wide Side Trim For Recessed Lockers.....	31.77	1.57
<b>10 51 13 00-0222</b> <b>Locker Interior Accessories</b> <small>(10 51 13 00-0136)</small>		
<b>10 51 13 00-0223</b> <b>Locker Coat Rods</b> <small>(10 51 13 00-0222)</small>		
10 51 13 00-0224 EA 12" Wide Coat Rod.....	8.07	1.57
10 51 13 00-0225 EA 15" Wide Coat Rod.....	9.14	1.57
10 51 13 00-0226 EA 18" Wide Coat Rod.....	10.08	1.57
10 51 13 00-0227 EA 24" Wide Coat Rod.....	10.92	1.57
<b>10 51 13 00-0228</b> <b>Locker Hat Shelf</b> <small>(10 51 13 00-0222)</small>		
10 51 13 00-0229 EA 12" Wide Hat Shelf.....	10.31	1.57
10 51 13 00-0230 EA 15" Wide Hat Shelf.....	12.62	1.57
10 51 13 00-0231 EA 18" Wide Hat Shelf.....	13.59	1.57
10 51 13 00-0232 EA 24" Wide Hat Shelf.....	17.44	1.57
<b>10 51 13 00-0233</b> <b>Locker ADA Compliant Shelf</b> <small>(10 51 13 00-0222)</small>		
10 51 13 00-0234 EA ADA Compliant Shelf For Single Tier Lockers..... Note: Includes an ADA label for locker face.	22.60	1.96



<b>Specialties</b>	<b>10</b>	<b>10</b>
Storage Specialties	10 50	
Lockers	10 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>10 51 13 00-0235 Other Interior Locker Accessories</b> (10 51 13 00-0222)		
10 51 13 00-0236 EA 3" x 10" Bent Plate Shoe Rack .....	31.86	1.57
10 51 13 00-0237 EA 8" x 10" Mirror .....	24.68	1.57
10 51 13 00-0238 EA Additional Hook.....	4.94	1.57
<b>10 51 13 00-0239 Locker Locks</b> (10 51 13 00-0136)		
10 51 13 00-0240 EA Built In Combination Lock.....	27.36	1.57
<b>10 51 13 00-0241 Steel Basket Racks Mounted On Concrete Base</b> (10 51 13)		
Note: Includes electroplated baskets with 3/4" x 1" wire mesh sides and bottom with perforated sheet steel front and backs.		
10 51 13 00-0242 EA 9" x 13" x 8" Baskets, 28 Wire Mesh Baskets And Rack .....	1,365.79	29.45
10 51 13 00-0243 EA 12" x 13" x 8" Baskets, 21 Wire Mesh Baskets And Rack .....	1,159.32	29.45
<b>10 51 13 00-0244 All-Welded Steel Lockers</b> (10 51 13)		
<b>10 51 13 00-0245 All-Welded Steel Lockers</b> (10 51 13 00-0244)		
Note: Price per frame. Includes diamond perforated, standard louvered or solid doors and sides. Includes all-welded construction with 16 gauge solid top, bottom, and shelves, 14 gauge doors and 4" legs. Includes electrostatically applied enamel powder coat paint finish. Excludes slope top, base fillers, and locks.		
<b>10 51 13 00-0246 Single Tier, All-Welded Steel Lockers</b> (10 51 13 00-0245)		
Note: Includes one hat shelf, two single hooks and one double hook.		
10 51 13 00-0247 EA 12" x 12" x 48" Single Tier, All-Welded Steel Locker .....	109.73	6.87
For >25 To 50, Deduct	-5.00	
For >50 To 100, Deduct	-10.14	
For >100, Deduct	-15.28	
10 51 13 00-0248 EA 12" x 15" x 48" Single Tier, All-Welded Steel Locker .....	115.62	6.87
For >25 To 50, Deduct	-5.29	
For >50 To 100, Deduct	-10.73	
For >100, Deduct	-16.17	
10 51 13 00-0249 EA 12" x 18" x 48" Single Tier, All-Welded Steel Locker .....	121.30	6.87
For >25 To 50, Deduct	-5.57	
For >50 To 100, Deduct	-11.30	
For >100, Deduct	-17.02	
10 51 13 00-0250 EA 12" x 12" x 60" Single Tier, All-Welded Steel Locker .....	114.59	6.87
For >25 To 50, Deduct	-5.24	
For >50 To 100, Deduct	-10.63	
For >100, Deduct	-16.01	
10 51 13 00-0251 EA 12" x 15" x 60" Single Tier, All-Welded Steel Locker .....	120.27	6.87
For >25 To 50, Deduct	-5.52	
For >50 To 100, Deduct	-11.19	
For >100, Deduct	-16.86	
10 51 13 00-0252 EA 12" x 18" x 60" Single Tier, All-Welded Steel Locker .....	125.95	6.87
For >25 To 50, Deduct	-5.81	
For >50 To 100, Deduct	-11.76	
For >100, Deduct	-17.72	
10 51 13 00-0253 EA 12" x 12" x 72" Single Tier, All-Welded Steel Locker .....	120.84	7.56
For >25 To 50, Deduct	-5.50	
For >50 To 100, Deduct	-11.17	
For >100, Deduct	-16.83	
10 51 13 00-0254 EA 12" x 15" x 72" Single Tier, All-Welded Steel Locker .....	126.09	7.56
For >25 To 50, Deduct	-5.76	
For >50 To 100, Deduct	-11.69	
For >100, Deduct	-17.62	
10 51 13 00-0255 EA 12" x 18" x 72" Single Tier, All-Welded Steel Locker .....	131.77	7.56
For >25 To 50, Deduct	-6.05	
For >50 To 100, Deduct	-12.26	
For >100, Deduct	-18.47	
10 51 13 00-0256 EA 15" x 15" x 72" Single Tier, All-Welded Steel Locker .....	137.08	7.56
For >25 To 50, Deduct	-6.31	
For >50 To 100, Deduct	-12.79	
For >100, Deduct	-19.27	
10 51 13 00-0257 EA 15" x 18" x 72" Single Tier, All-Welded Steel Locker .....	141.45	7.56
For >25 To 50, Deduct	-6.53	
For >50 To 100, Deduct	-13.23	
For >100, Deduct	-19.92	
10 51 13 00-0258 EA 18" x 18" x 72" Single Tier, All-Welded Steel Locker .....	147.49	7.56
For >25 To 50, Deduct	-6.83	
For >50 To 100, Deduct	-13.83	
For >100, Deduct	-20.83	
10 51 13 00-0259 EA 18" x 21" x 72" Single Tier, All-Welded Steel Locker .....	154.28	7.56
For >25 To 50, Deduct	-7.17	
For >50 To 100, Deduct	-14.51	
For >100, Deduct	-21.85	
10 51 13 00-0260 EA 24" x 24" x 72" Single Tier, All-Welded Steel Locker .....	256.53	7.56
For >25 To 50, Deduct	-12.29	
For >50 To 100, Deduct	-24.74	
For >100, Deduct	-37.18	

**10 Specialties****10 50 Storage Specialties****10 51 Lockers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0261			<b>Two Tier, All-Welded Steel Lockers</b> <small>(10 51 13 00-0245)</small>		
			Note: Includes two single hooks and one double hook per tier.		
10 51 13 00-0262	EA		12" x 12" x 60" Two Tier, All-Welded Steel Locker.....	133.00	6.87
			For >25 To 50, Deduct	-6.16	
			For >50 To 100, Deduct	-12.47	
			For >100, Deduct	-18.77	
10 51 13 00-0263	EA		12" x 15" x 60" Two Tier, All-Welded Steel Locker.....	135.61	6.87
			For >25 To 50, Deduct	-6.29	
			For >50 To 100, Deduct	-12.73	
			For >100, Deduct	-19.16	
10 51 13 00-0264	EA		12" x 18" x 60" Two Tier, All-Welded Steel Locker.....	142.60	6.87
			For >25 To 50, Deduct	-6.64	
			For >50 To 100, Deduct	-13.43	
			For >100, Deduct	-20.21	
10 51 13 00-0265	EA		12" x 12" x 72" Two Tier, All-Welded Steel Locker.....	138.34	7.56
			For >25 To 50, Deduct	-6.38	
			For >50 To 100, Deduct	-12.92	
			For >100, Deduct	-19.46	
10 51 13 00-0266	EA		12" x 15" x 72" Two Tier, All-Welded Steel Locker.....	147.98	7.56
			For >25 To 50, Deduct	-6.86	
			For >50 To 100, Deduct	-13.88	
			For >100, Deduct	-20.90	
10 51 13 00-0267	EA		12" x 18" x 72" Two Tier, All-Welded Steel Locker.....	153.23	7.56
			For >25 To 50, Deduct	-7.12	
			For >50 To 100, Deduct	-14.41	
			For >100, Deduct	-21.69	
10 51 13 00-0268	EA		15" x 15" x 72" Two Tier, All-Welded Steel Locker.....	160.73	7.56
			For >25 To 50, Deduct	-7.50	
			For >50 To 100, Deduct	-15.16	
			For >100, Deduct	-22.81	
10 51 13 00-0269	EA		15" x 18" x 72" Two Tier, All-Welded Steel Locker.....	164.25	7.56
			For >25 To 50, Deduct	-7.67	
			For >50 To 100, Deduct	-15.51	
			For >100, Deduct	-23.34	
10 51 13 00-0270	EA		18" x 18" x 72" Two Tier, All-Welded Steel Locker.....	174.41	7.56
			For >25 To 50, Deduct	-8.18	
			For >50 To 100, Deduct	-16.52	
			For >100, Deduct	-24.87	
10 51 13 00-0271	EA		18" x 21" x 72" Two Tier, All-Welded Steel Locker.....	182.28	7.56
			For >25 To 50, Deduct	-8.57	
			For >50 To 100, Deduct	-17.31	
			For >100, Deduct	-26.05	
10 51 13 00-0272			<b>Three Tier, All-Welded Steel Lockers</b> <small>(10 51 13 00-0245)</small>		
			Note: Includes two single hooks and one double hook per tier.		
10 51 13 00-0273	EA		12" x 12" x 72" Three Tier, All-Welded Steel Locker.....	165.50	7.56
			For >25 To 50, Deduct	-7.74	
			For >50 To 100, Deduct	-15.63	
			For >100, Deduct	-23.53	
10 51 13 00-0274	EA		12" x 15" x 72" Three Tier, All-Welded Steel Locker.....	169.45	7.56
			For >25 To 50, Deduct	-7.93	
			For >50 To 100, Deduct	-16.03	
			For >100, Deduct	-24.12	
10 51 13 00-0275	EA		12" x 18" x 72" Three Tier, All-Welded Steel Locker.....	173.37	7.56
			For >25 To 50, Deduct	-8.13	
			For >50 To 100, Deduct	-16.42	
			For >100, Deduct	-24.71	
10 51 13 00-0276	EA		15" x 15" x 72" Three Tier, All-Welded Steel Locker.....	182.66	7.56
			For >25 To 50, Deduct	-8.59	
			For >50 To 100, Deduct	-17.35	
			For >100, Deduct	-26.10	
10 51 13 00-0277	EA		15" x 18" x 72" Three Tier, All-Welded Steel Locker.....	184.37	7.56
			For >25 To 50, Deduct	-8.68	
			For >50 To 100, Deduct	-17.52	
			For >100, Deduct	-26.36	
10 51 13 00-0278			<b>Four Tier, All-Welded Steel Lockers</b> <small>(10 51 13 00-0245)</small>		
			Note: Includes two single hooks and one double hook per tier.		
10 51 13 00-0279	EA		12" x 12" x 72" Four Tier, All-Welded Steel Locker.....	156.13	7.56
			For >25 To 50, Deduct	-7.27	
			For >50 To 100, Deduct	-14.70	
			For >100, Deduct	-22.12	
10 51 13 00-0280	EA		12" x 15" x 72" Four Tier, All-Welded Steel Locker.....	159.86	7.56
			For >25 To 50, Deduct	-7.45	
			For >50 To 100, Deduct	-15.07	
			For >100, Deduct	-22.68	
10 51 13 00-0281	EA		12" x 18" x 72" Four Tier, All-Welded Steel Locker.....	163.56	7.56
			For >25 To 50, Deduct	-7.64	
			For >50 To 100, Deduct	-15.44	
			For >100, Deduct	-23.24	
10 51 13 00-0282	EA		15" x 15" x 72" Four Tier, All-Welded Steel Locker.....	172.30	7.56
			For >25 To 50, Deduct	-8.08	
			For >50 To 100, Deduct	-16.31	
			For >100, Deduct	-24.55	



<b>Specialties</b>	<b>10</b>
<b>Storage Specialties</b>	<b>10 50</b>
<b>Lockers</b>	<b>10 51</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51	13 00-0283	EA	15" x 18" x 72" Four Tier, All-Welded Steel Locker..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	173.89 -8.15 -16.47 -24.79	7.56
<b>10 51 13 00-0284 Six Tier, All-Welded Steel Lockers (10 51 13 00-0245)</b>					
10 51	13 00-0285	EA	12" x 12" x 72" Six Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	161.93 -7.56 -15.28 -22.99	7.56
10 51	13 00-0286	EA	12" x 15" x 72" Six Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	167.37 -7.83 -15.82 -23.81	7.56
10 51	13 00-0287	EA	12" x 18" x 72" Six Tier, All-Welded Steel Locker ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	171.38 -8.03 -16.22 -24.41	7.56
<b>10 51 13 00-0288 All Welded Locker Accessories (10 51 13 00-0244)</b>					
10 51	13 00-0288	EA	ADA Requirements For All Welded Lockers .....	71.64	
10 51	13 00-0290	EA	Solid Boxed End Panel For 12" Deep All Welded Lockers .....	113.68	1.57
10 51	13 00-0291	EA	Solid Boxed End Panel For 15" Deep All Welded Lockers .....	132.10	1.57
10 51	13 00-0292	EA	Recessed Trim For All Welded Lockers.....	79.56	1.57
10 51	13 00-0293	EA	Built In Combination Lock For All Welded Lockers .....	27.36	1.57
10 51	13 00-0294	EA	Pad Lock For All Welded Lockers.....	20.20	1.57
<b>10 51 26 Plastic Lockers (10 51)</b>					
<b>10 51 26 00-0001 Solid Plastic Lockers (10 51 26)</b>					
Note: Price per frame. High density polyethylene with homogeneous color throughout. Includes 1/2" door, 3/8" sides, tops, bottoms, rears and shelves. Excludes slope top, base, and locks.					
<b>10 51 26 00-0002 Single Tier Solid Plastic Lockers (10 51 26 00-0001)</b>					
Note: Includes one double hook per tier.					
10 51	26 00-0003	EA	12" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	454.24 -42.99 -65.22	12.18
10 51	26 00-0004	EA	12" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	462.87 -43.85 -66.51	12.18
10 51	26 00-0005	EA	12" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	471.50 -44.72 -67.80	12.18
10 51	26 00-0006	EA	15" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	484.43 -46.01 -69.74	12.18
10 51	26 00-0007	EA	15" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	470.75 -44.64 -67.69	12.18
10 51	26 00-0008	EA	18" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	474.38 -45.00 -68.24	12.18
10 51	26 00-0009	EA	18" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	468.00 -44.37 -67.28	12.18
10 51	26 00-0010	EA	18" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	503.61 -47.93 -72.62	12.18
10 51	26 00-0011	EA	12" x 12" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	495.39 -47.11 -71.39	12.18
10 51	26 00-0012	EA	12" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	504.98 -48.06 -72.83	12.18
10 51	26 00-0013	EA	12" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	514.56 -49.02 -74.26	12.18
10 51	26 00-0014	EA	15" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	536.47 -51.21 -77.55	12.18
10 51	26 00-0015	EA	15" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	566.60 -54.23 -82.07	12.18
10 51	26 00-0016	EA	18" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	539.20 -51.49 -77.96	12.18
10 51	26 00-0017	EA	18" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	588.50 -56.42 -85.35	12.18

<b>10</b>	<b>Specialties</b>
<b>10 50</b>	<b>Storage Specialties</b>
<b>10 51</b>	<b>Lockers</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0018 EA 12" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	499.21	12.18
For >50 To 100, Deduct	-47.49	
For >100, Deduct	-71.96	
10 51 26 00-0019 EA 12" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	527.30	12.18
For >50 To 100, Deduct	-50.30	
For >100, Deduct	-76.17	
10 51 26 00-0020 EA 12" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	555.41	12.18
For >50 To 100, Deduct	-53.11	
For >100, Deduct	-80.39	
10 51 26 00-0021 EA 15" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	534.82	12.18
For >50 To 100, Deduct	-51.05	
For >100, Deduct	-77.30	
10 51 26 00-0022 EA 15" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	564.60	12.18
For >50 To 100, Deduct	-54.03	
For >100, Deduct	-81.77	
10 51 26 00-0023 EA 15" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	594.39	12.18
For >50 To 100, Deduct	-57.01	
For >100, Deduct	-86.24	
10 51 26 00-0024 EA 18" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	570.44	12.18
For >50 To 100, Deduct	-54.61	
For >100, Deduct	-82.65	
10 51 26 00-0025 EA 18" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	601.91	12.18
For >50 To 100, Deduct	-57.76	
For >100, Deduct	-87.37	
10 51 26 00-0026 EA 12" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	574.61	12.56
For >50 To 100, Deduct	-54.95	
For >100, Deduct	-83.18	
10 51 26 00-0027 EA 12" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	606.11	12.56
For >50 To 100, Deduct	-58.10	
For >100, Deduct	-87.90	
10 51 26 00-0028 EA 12" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	637.57	12.56
For >50 To 100, Deduct	-61.24	
For >100, Deduct	-92.62	
10 51 26 00-0029 EA 15" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	615.49	12.56
For >50 To 100, Deduct	-59.04	
For >100, Deduct	-89.31	
10 51 26 00-0030 EA 15" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	648.70	12.56
For >50 To 100, Deduct	-62.36	
For >100, Deduct	-94.29	
10 51 26 00-0031 EA 15" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	681.88	12.56
For >50 To 100, Deduct	-65.68	
For >100, Deduct	-99.27	
10 51 26 00-0032 EA 18" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	648.07	12.56
For >50 To 100, Deduct	-62.29	
For >100, Deduct	-94.19	
10 51 26 00-0033 EA 18" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	691.26	12.56
For >50 To 100, Deduct	-66.61	
For >100, Deduct	-100.67	
10 51 26 00-0034 EA 18" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	726.14	12.56
For >50 To 100, Deduct	-70.10	
For >100, Deduct	-105.91	
<b>10 51 26 00-0035 Double Tier Solid Plastic Lockers</b> (10 51 26 00-0001)		
Note: Includes one double hook per tier.		
10 51 26 00-0036 EA 12" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	512.61	12.56
For >50 To 100, Deduct	-48.75	
For >100, Deduct	-73.88	
10 51 26 00-0037 EA 12" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	520.83	12.56
For >50 To 100, Deduct	-49.57	
For >100, Deduct	-75.11	
10 51 26 00-0038 EA 12" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	533.14	12.56
For >50 To 100, Deduct	-50.80	
For >100, Deduct	-76.96	
10 51 26 00-0039 EA 15" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	529.05	12.56
For >50 To 100, Deduct	-50.39	
For >100, Deduct	-76.34	
10 51 26 00-0040 EA 15" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	550.96	12.56
For >50 To 100, Deduct	-52.58	
For >100, Deduct	-79.63	
10 51 26 00-0041 EA 15" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	602.99	12.56
For >50 To 100, Deduct	-57.79	
For >100, Deduct	-87.43	
10 51 26 00-0042 EA 18" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	534.53	12.56
For >50 To 100, Deduct	-50.94	
For >100, Deduct	-77.16	
10 51 26 00-0043 EA 18" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	561.03	12.56
For >50 To 100, Deduct	-53.59	
For >100, Deduct	-81.14	
10 51 26 00-0044 EA 18" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	608.47	12.56
For >50 To 100, Deduct	-58.33	
For >100, Deduct	-88.25	
10 51 26 00-0045 EA 12" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	531.46	12.56
For >50 To 100, Deduct	-50.63	
For >100, Deduct	-76.70	



<b>Specialties</b>	<b>10</b>
<b>Storage Specialties</b>	<b>10 50</b>
<b>Lockers</b>	<b>10 51</b>

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0046	EA		12" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	574.35 -54.92 -83.14	12.56
10 51 26 00-0047	EA		12" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	586.61 -56.15 -84.98	12.56
10 51 26 00-0048	EA		15" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	581.52 -55.64 -84.21	12.56
10 51 26 00-0049	EA		15" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	609.95 -58.48 -88.48	12.56
10 51 26 00-0050	EA		18" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	615.51 -59.04 -89.31	12.56
10 51 26 00-0051	EA		18" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	645.56 -62.04 -93.82	12.56
10 51 26 00-0052	EA		18" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	675.62 -65.05 -98.33	12.56
10 51 26 00-0053	EA		12" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	619.52 -59.36 -89.82	12.95
10 51 26 00-0054	EA		12" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	649.58 -62.37 -94.33	12.95
10 51 26 00-0055	EA		12" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	665.24 -63.93 -96.68	12.95
10 51 26 00-0056	EA		15" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	658.54 -63.26 -95.67	12.95
10 51 26 00-0057	EA		15" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	690.24 -66.43 -100.43	12.95
10 51 26 00-0058	EA		15" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	721.93 -69.60 -105.18	12.95
10 51 26 00-0059	EA		18" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	664.21 -63.83 -96.52	12.95
10 51 26 00-0060	EA		18" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	730.87 -70.50 -106.52	12.95
10 51 26 00-0061	EA		18" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	764.16 -73.83 -111.51	12.95
<b>10 51 26 00-0062</b>			<b>Triple Tier Solid Plastic Lockers</b> <small>(10 51 26 00-0001)</small> Note: Includes one double hook per tier.		
10 51 26 00-0063	EA		12" x 12" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	503.12 -47.72 -72.36	12.95
10 51 26 00-0064	EA		15" x 15" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	525.67 -49.98 -75.74	12.95
10 51 26 00-0065	EA		15" x 18" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	546.35 -52.04 -78.84	12.95
10 51 26 00-0066	EA		12" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	550.36 -52.45 -79.44	12.95
10 51 26 00-0067	EA		12" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	598.54 -57.26 -86.67	12.95
10 51 26 00-0068	EA		12" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	598.77 -57.29 -86.71	12.95
10 51 26 00-0069	EA		15" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	625.06 -59.92 -90.65	12.95
10 51 26 00-0070	EA		15" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	651.47 -62.56 -94.61	12.95
10 51 26 00-0071	EA		15" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	677.85 -65.19 -98.57	12.95
10 51 26 00-0072	EA		18" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	656.63 -63.07 -95.39	12.95
10 51 26 00-0073	EA		18" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	684.54 -65.86 -99.57	12.95



**10 Specialties**  
**10 50 Storage Specialties**  
**10 51 Lockers**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0074	EA		18" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	712.44	12.95
			<i>For &gt;50 To 100, Deduct</i>	-68.65	
			<i>For &gt;100, Deduct</i>	-103.76	
10 51 26 00-0075	EA		12" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	660.42	13.35
			<i>For &gt;50 To 100, Deduct</i>	-63.37	
			<i>For &gt;100, Deduct</i>	-95.86	
10 51 26 00-0076	EA		12" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	688.34	13.35
			<i>For &gt;50 To 100, Deduct</i>	-66.16	
			<i>For &gt;100, Deduct</i>	-100.05	
10 51 26 00-0077	EA		12" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	707.93	13.35
			<i>For &gt;50 To 100, Deduct</i>	-68.12	
			<i>For &gt;100, Deduct</i>	-102.99	
10 51 26 00-0078	EA		15" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	696.65	13.35
			<i>For &gt;50 To 100, Deduct</i>	-67.00	
			<i>For &gt;100, Deduct</i>	-101.29	
10 51 26 00-0079	EA		15" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	705.50	13.35
			<i>For &gt;50 To 100, Deduct</i>	-67.88	
			<i>For &gt;100, Deduct</i>	-102.62	
10 51 26 00-0080	EA		15" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	737.39	13.35
			<i>For &gt;50 To 100, Deduct</i>	-71.07	
			<i>For &gt;100, Deduct</i>	-107.40	
10 51 26 00-0081	EA		18" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	683.98	13.35
			<i>For &gt;50 To 100, Deduct</i>	-65.73	
			<i>For &gt;100, Deduct</i>	-99.39	
10 51 26 00-0082	EA		18" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	748.82	13.35
			<i>For &gt;50 To 100, Deduct</i>	-72.21	
			<i>For &gt;100, Deduct</i>	-109.12	
10 51 26 00-0083	EA		18" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	794.73	13.35
			<i>For &gt;50 To 100, Deduct</i>	-76.80	
			<i>For &gt;100, Deduct</i>	-116.01	
<b>10 51 26 00-0084 Four Tier Solid Plastic Lockers (10 51 26 00-0001)</b>					
10 51 26 00-0085	EA		12" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®) .....	589.49	13.35
			<i>For &gt;50 To 100, Deduct</i>	-56.28	
			<i>For &gt;100, Deduct</i>	-85.22	
10 51 26 00-0086	EA		12" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®) .....	607.79	13.35
			<i>For &gt;50 To 100, Deduct</i>	-58.11	
			<i>For &gt;100, Deduct</i>	-87.96	
10 51 26 00-0087	EA		12" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®) .....	641.53	13.35
			<i>For &gt;50 To 100, Deduct</i>	-61.48	
			<i>For &gt;100, Deduct</i>	-93.03	
10 51 26 00-0088	EA		15" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®) .....	637.42	13.35
			<i>For &gt;50 To 100, Deduct</i>	-61.07	
			<i>For &gt;100, Deduct</i>	-92.41	
10 51 26 00-0089	EA		15" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®) .....	681.13	13.35
			<i>For &gt;50 To 100, Deduct</i>	-65.44	
			<i>For &gt;100, Deduct</i>	-98.97	
10 51 26 00-0090	EA		15" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®) .....	694.93	13.35
			<i>For &gt;50 To 100, Deduct</i>	-66.82	
			<i>For &gt;100, Deduct</i>	-101.04	
10 51 26 00-0091	EA		18" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®) .....	688.08	13.35
			<i>For &gt;50 To 100, Deduct</i>	-66.14	
			<i>For &gt;100, Deduct</i>	-100.01	
10 51 26 00-0092	EA		18" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®) .....	711.36	13.35
			<i>For &gt;50 To 100, Deduct</i>	-68.47	
			<i>For &gt;100, Deduct</i>	-103.50	
10 51 26 00-0093	EA		18" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®) .....	778.47	13.35
			<i>For &gt;50 To 100, Deduct</i>	-75.18	
			<i>For &gt;100, Deduct</i>	-113.57	
10 51 26 00-0094	EA		12" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®) .....	683.32	13.75
			<i>For &gt;50 To 100, Deduct</i>	-65.58	
			<i>For &gt;100, Deduct</i>	-99.20	
10 51 26 00-0095	EA		12" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®) .....	715.77	13.75
			<i>For &gt;50 To 100, Deduct</i>	-68.83	
			<i>For &gt;100, Deduct</i>	-104.07	
10 51 26 00-0096	EA		12" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®) .....	720.00	13.75
			<i>For &gt;50 To 100, Deduct</i>	-69.25	
			<i>For &gt;100, Deduct</i>	-104.70	
10 51 26 00-0097	EA		15" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®) .....	760.89	13.75
			<i>For &gt;50 To 100, Deduct</i>	-73.34	
			<i>For &gt;100, Deduct</i>	-110.84	
10 51 26 00-0098	EA		15" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®) .....	723.05	13.75
			<i>For &gt;50 To 100, Deduct</i>	-69.56	
			<i>For &gt;100, Deduct</i>	-105.16	
10 51 26 00-0099	EA		15" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®) .....	757.33	13.75
			<i>For &gt;50 To 100, Deduct</i>	-72.99	
			<i>For &gt;100, Deduct</i>	-110.30	
10 51 26 00-0100	EA		18" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®) .....	721.74	13.75
			<i>For &gt;50 To 100, Deduct</i>	-69.43	
			<i>For &gt;100, Deduct</i>	-104.96	
10 51 26 00-0101	EA		18" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®) .....	762.82	13.75
			<i>For &gt;50 To 100, Deduct</i>	-73.53	
			<i>For &gt;100, Deduct</i>	-111.13	



<b>Specialties</b>	<b>10</b>	<b>10</b>
<b>Storage Specialties</b>	<b>10 50</b>	
<b>Lockers</b>	<b>10 51</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0102	EA		18" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®) <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	824.37 -79.69 -120.36	13.75
<b>10 51 26 00-0103 Five Tier Solid Plastic Lockers (10 51 26 00-0001)</b>					
10 51 26 00-0104	EA		12" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	643.90 -61.68 -93.33	13.54
10 51 26 00-0105	EA		12" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	666.56 -63.95 -96.73	13.54
10 51 26 00-0106	EA		12" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	689.23 -66.21 -100.13	13.54
10 51 26 00-0107	EA		15" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	674.80 -64.77 -97.97	13.54
10 51 26 00-0108	EA		15" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	715.39 -68.83 -104.06	13.54
10 51 26 00-0109	EA		15" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	735.04 -70.79 -107.00	13.54
10 51 26 00-0110	EA		18" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	728.19 -70.11 -105.98	13.54
10 51 26 00-0111	EA		18" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	750.10 -72.30 -109.26	13.54
10 51 26 00-0112	EA		18" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®) <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	821.31 -79.42 -119.94	13.54
10 51 26 00-0113	EA		12" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	704.86 -67.70 -102.38	13.94
10 51 26 00-0114	EA		12" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	730.28 -70.24 -106.20	13.94
10 51 26 00-0115	EA		12" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	755.67 -72.78 -110.00	13.94
10 51 26 00-0116	EA		15" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	746.78 -71.89 -108.67	13.94
10 51 26 00-0117	EA		15" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	764.66 -73.68 -111.35	13.94
10 51 26 00-0118	EA		15" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	791.42 -76.35 -115.37	13.94
10 51 26 00-0119	EA		18" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	770.85 -74.30 -112.28	13.94
10 51 26 00-0120	EA		18" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	801.54 -77.37 -116.89	13.94
10 51 26 00-0121	EA		18" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®) <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	837.15 -80.93 -122.23	13.94
<b>10 51 26 00-0122 Six Tier Solid Plastic Lockers (10 51 26 00-0001)</b>					
10 51 26 00-0123	EA		15" x 12" x 60" Six Tier Solid Plastic Locker (Tufftec Lockers®) <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	747.84 -72.04 -108.88	13.75
10 51 26 00-0124	EA		12" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®) <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	732.07 -70.38 -106.42	14.13
10 51 26 00-0125	EA		12" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®) <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	757.45 -72.92 -110.23	14.13
10 51 26 00-0126	EA		12" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®) <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	774.38 -74.61 -112.76	14.13
10 51 26 00-0127	EA		15" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®) <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	808.22 -78.00 -117.84	14.13
10 51 26 00-0128	EA		15" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®) <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	818.10 -78.98 -119.32	14.13
10 51 26 00-0129	EA		15" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®) <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	825.16 -79.69 -120.38	14.13

<b>10</b>	<b>Specialties</b>
<b>10 50</b>	<b>Storage Specialties</b>
<b>10 51</b>	<b>Lockers</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0130 EA 18" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	827.96	14.13
For >50 To 100, Deduct	-79.97	
For >100, Deduct	-120.80	
10 51 26 00-0131 EA 18" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	858.99	14.13
For >50 To 100, Deduct	-83.07	
For >100, Deduct	-125.46	
10 51 26 00-0132 EA 18" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	899.90	14.13
For >50 To 100, Deduct	-87.16	
For >100, Deduct	-131.59	
<b>10 51 26 00-0133 Solid Plastic Locker Accessories (10 51 26 00-0001)</b>		
<b>10 51 26 00-0134 Slope Tops For Solid Plastic Lockers (10 51 26 00-0133)</b>		
Note: Price per frame.		
10 51 26 00-0135 EA Slope Top For Solid Plastic Lockers (Tufftec Lockers®).....	32.45	
<b>10 51 26 00-0136 Recessed Bases For Solid Plastic Lockers (10 51 26 00-0133)</b>		
Note: Price per frame.		
10 51 26 00-0137 EA Recessed Base For Solid Plastic Lockers (Tufftec Lockers®).....	36.10	
<b>10 51 26 00-0138 End Panels For Solid Plastic Lockers (10 51 26 00-0133)</b>		
Note: Price per frame.		
10 51 26 00-0139 EA End Panel For Solid Plastic Lockers (Tufftec Lockers®) .....	89.21	
<b>10 51 26 00-0140 Venting Options For Solid Plastic Locker Doors (10 51 26 00-0133)</b>		
Note: Price per frame.		
10 51 26 00-0141 EA Horizontal Venting Option For Solid Plastic Locker Doors.....	36.62	
<b>10 51 26 00-0142 Filler Panels For Solid Plastic Lockers (10 51 26 00-0133)</b>		
10 51 26 00-0143 EA Up To 6" Width, Filler Panel For Solid Plastic Lockers (Tufftec Lockers®) .....	83.06	
Note: Full locker height. Width and height cut to size in the field.		
<b>10 51 26 00-0144 Locker Accessories For Solid Plastic Lockers (10 51 26 00-0133)</b>		
10 51 26 00-0145 EA Built In Hasp For Solid Plastic Lockers.....	9.15	
Note: For removable padlocks. Excludes padlock.		
10 51 26 00-0146 EA Built In Combination Lock For Solid Plastic Lockers.....	27.47	
10 51 26 00-0147 EA Built In Key Lock For Solid Plastic Lockers.....	36.62	
<b>10 51 53 Locker Room Benches (10 51)</b>		
10 51 53 00-0001 LF Hardwood Bench With Aluminum Pedestals.....	73.89	1.96
10 51 53 00-0002 LF Hardwood Bench With Painted Steel Pedestals .....	58.03	1.96
10 51 53 00-0003 LF Plastic Laminated Bench With Steel Pedestals .....	91.11	1.96
10 51 53 00-0004 LF Solid Plastic Bench With Steel Pedestals .....	86.86	1.96
10 51 53 00-0005 LF Aluminum Bench With Aluminum Pedestals .....	66.44	1.96
<b>10 55 Postal Specialties (10 50)</b>		
<b>10 55 23 Mail Boxes (10 55)</b>		
<b>10 55 23 23 Residential Mail Boxes (10 55 23)</b>		
<b>10 55 23 23-0001 Residential Mail Boxes (10 55 23 23)</b>		
10 55 23 23-0002 EA 13" x 3-9/16" Satin Aluminum (Aluminum Body) Letter Slot With Interior Plate .....	53.95	4.42
For Stainless Steel Sleeve, Add	14.13	
10 55 23 23-0003 EA 13" x 3-9/16" Bright Brass (Brass Body) Letter Slot With Interior Plate.....	75.84	4.42
For Stainless Steel Sleeve, Add	14.13	
10 55 23 23-0004 EA Aluminum Or Galvanized Wall Mounted Mailbox.....	45.10	3.93
10 55 23 23-0005 EA 20" x 8-3/4" x 6-7/8" Galvanized Steel Residential Rural Mailbox With 1-1/2" Post.....	63.72	4.91
<b>10 55 23 26 Commercial Mail Boxes (10 55 23)</b>		
<b>10 55 23 26-0001 Commercial Letter Boxes (10 55 23 26)</b>		
Note: Includes locks and keys unless provided by the United States Postal Service.		
10 55 23 26-0002 EA 15" Wide x 19" High x 7-1/2" Deep, US Postal Service Approved, Surface Mount, Aluminum Letter Box (Salsbury 2240AU) .....	219.95	5.89
10 55 23 26-0003 EA 15" Wide x 19" High x 6-3/4" Deep, Private Use/Access, Recessed Mount, Aluminum Letter Box (Salsbury 2245AP).....	255.64	5.89
<b>10 55 23 26-0004 Commercial Horizontal Mail Boxes (10 55 23 26)</b>		
Note: Includes locks and keys unless provided by the United States Postal Service.		
10 55 23 26-0005 BOX 5-1/2" Wide x 5-1/2" High x 15-1/2" Deep, Private Use/Access, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box .....	38.86	5.89



<b>Specialties</b>	<b>10</b>	<b>10</b>
Storage Specialties	10 50	
Postal Specialties	10 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 55 23 26-0006 BOX 10-3/4" Wide x 5-1/2" High x 15-1/2" Deep, Private Use/Access, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box.....	86.55	7.85
10 55 23 26-0007 BOX 6-3/8" Wide x 5" High x 17" Deep, US Postal Service Approved, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box.....	52.11	5.89
10 55 23 26-0008 BOX 12-7/8" Wide x 5" High x 17" Deep, US Postal Service Approved, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box.....	80.69	7.85
<b>10 55 23 26-0009 Commercial Cluster Mail Boxes</b> <small>(10 55 23 26)</small> Note: Includes locks and keys unless provided by the United States Postal Service. Includes pedestal. Excludes concrete foundation.		
10 55 23 26-0010 EA 13-15/16 Wide" x 24-1/8" High x 15" Deep, Pedestal Mount, Aluminum (NDCBU) Neighborhood Delivery And Collection Mail Box (National Mailboxes H8MNDCBU5) .....	1,156.60	11.78
10 55 23 26-0011 EA 26-15/16" Wide x 24-1/8" High x 15" Deep, Pedestal Mount, Aluminum (NDCBU) Neighborhood Delivery And Collection Mail Box (National Mailboxes H16MNDCBU8) .....	1,367.86	15.71
10 55 23 26-0012 EA 30-1/2" Wide x 62" High x 17-7/8" Deep, 8 Tenant Doors, 2 Parcel Lockers, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-8) .....	1,762.94	15.71
10 55 23 26-0013 EA 30-1/2" Wide x 62" High x 17-7/8" Deep, 12 Tenant Doors, 1 Parcel Locker, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-12) .....	1,822.41	15.71
10 55 23 26-0014 EA 30-1/2" Wide x 62" High x 17-7/8" Deep, 16 Tenant Doors, 2 Parcel Lockers, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-16) .....	1,911.63	15.71
<b>10 55 23 26-0015 Commercial 4C Mail Boxes</b> <small>(10 55 23 26)</small> Note: Includes locks and keys unless provided by the United States Postal Service.		
10 55 23 26-0016 EA 31-9/16" Wide x 40-3/4" High x 17" Deep, 9 Doors, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11S-09) .....	912.41	15.71
10 55 23 26-0017 EA 31-9/16" Wide x 40-3/4" High x 17" Deep, 15 Doors, 1 Parcel Locker, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11D-15) .....	1,633.30	15.71
10 55 23 26-0018 EA 31-9/16" Wide x 40-3/4" High x 17" Deep, 19 Doors, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11D-19) .....	1,704.67	15.71
<b>10 55 26 Parcel Lockers</b> <small>(10 55)</small>		
<b>10 55 26 00-0001 Parcel Lockers</b> <small>(10 55 26)</small>		
10 55 26 00-0002 EA 24" x 14" x 15" Deep, Aluminum Pedestal Mounted Parcel Locker .....	854.86	11.78
10 55 26 00-0003 EA 48" x 16" x 18" Deep, Aluminum Pedestal Mounted Parcel Locker .....	1,013.97	15.71
<b>10 56 Storage Assemblies</b> <small>(10 56)</small>		
<b>10 56 13 Metal Storage Shelving</b> <small>(10 56)</small>		
<b>10 56 13 13 End-Panel-Support Metal Storage Shelving</b> <small>(10 56 13)</small>		
<b>10 56 13 13-0001 Residential Wire Shelving</b> <small>(10 56 13 13)</small> Note: Includes brackets and hardware.		
10 56 13 13-0002 LF 12" Deep, Wire Shelving For Closets.....	13.83	3.18
10 56 13 13-0003 LF 16" Deep, Wire Shelving For Closets.....	15.70	3.18
10 56 13 13-0004 LF 20" Deep, Wire Shelving For Closets.....	17.57	3.18
<b>10 56 13 16 Post-And-Shelf Metal Storage Shelving</b> <small>(10 56 13)</small>		
<b>10 56 13 16-0001 Baked Enamel Steel Shelving</b> <small>(10 56 13 16)</small>		
<b>10 56 13 16-0002 7 Shelf Unit, 72" Or 87" High, Full Unit, Open Type</b> <small>(10 56 13 16-0001)</small>		
10 56 13 16-0003 LF 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 10" Wide Shelf .....	68.69	12.95
For >75" To 87" High, Add	5.72	
10 56 13 16-0004 LF 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 12" Wide Shelf .....	69.23	13.60
For >75" To 87" High, Add	5.71	
10 56 13 16-0005 LF 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 15" Wide Shelf .....	67.43	14.90
For >75" To 87" High, Add	5.43	
10 56 13 16-0006 LF 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 18" Wide Shelf .....	84.08	16.19
For >75" To 87" High, Add	7.01	
10 56 13 16-0007 LF 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 24" Wide Shelf .....	93.83	16.84
For >75" To 87" High, Add	7.88	
10 56 13 16-0008 LF 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 30" Wide Shelf .....	91.29	18.14
For >75" To 87" High, Add	7.54	
10 56 13 16-0009 LF 75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 36" Wide Shelf .....	100.97	19.43
For >75" To 87" High, Add	8.41	
10 56 13 16-0010 LF Remove And Reinstall 7 Shelf Metal Storage Shelving Unit.....	53.16	
<b>10 56 13 16-0011 3 Shelf Unit, 32" High Base Unit Only, Fully Enclosed</b> <small>(10 56 13 16-0001)</small> Note: Adjustable shelves.		
10 56 13 16-0012 LF 32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 10" Wide Shelf .....	47.81	6.61
10 56 13 16-0013 LF 32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 12" Wide Shelf .....	47.57	7.06
10 56 13 16-0014 LF 32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 15" Wide Shelf .....	53.22	7.52

**10 Specialties****10 50 Storage Specialties****10 56 Storage Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 13 16-0015	LF		32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 18" Wide Shelf .....	55.43	7.97
10 56 13 16-0016	LF		32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 24" Wide Shelf .....	63.51	8.48
10 56 13 16-0017	LF		Remove And Reinstall 3 Shelf Metal Storage Shelving Unit.....	22.60	
<b>10 56 13 16-0018</b>			<b>4 Shelf Unit, 40" High Unit (10 56 13 16-0001)</b>		
10 56 13 16-0019	LF		40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 10" Wide Shelf .....	57.26	12.95
10 56 13 16-0020	LF		40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 12" Wide Shelf .....	47.99	13.60
10 56 13 16-0021	LF		40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 15" Wide Shelf .....	54.70	14.90
10 56 13 16-0022	LF		40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 18" Wide Shelf .....	57.71	16.19
10 56 13 16-0023	LF		40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 24" Wide Shelf .....	65.43	16.84
10 56 13 16-0024	LF		Remove And Reinstall 4 Shelf Metal Storage Shelving Unit.....	25.67	
<b>10 56 16</b>			<b>Fabricated Wood Storage Shelving (10 56)</b>		
<b>10 56 16 00-0001</b>			<b>Shelving (10 56 16)</b>		
<b>10 56 16 00-0002</b>			<b>Built-In Wood Shelving (10 56 16 00-0001)</b>		
			Note: Priced by shelf area. Includes hardware and trim.		
10 56 16 00-0003	SF		Built-in Wood Storage Shelving Post And Trimmed Plywood .....	9.90	1.00
			For Each SF Of Lumber Edge Band, Add	0.69	
			For Each SF Of Prefinished Shelves, Add	2.32	
10 56 16 00-0004	SF		Built-in Wood Storage Shelving Post And Solid Clear Pine .....	10.66	1.19
			For Each SF Of Lumber Edge Band, Add	0.69	
			For Each SF Of Prefinished Shelves, Add	2.32	
10 56 16 00-0005	SF		Built-in Wood Storage Shelving Closet Shelf Of Pine With Rod.....	10.88	2.00
			For Each SF Of Lumber Edge Band, Add	0.69	
			For Each SF Of Prefinished Shelves, Add	2.32	
<b>10 56 16 00-0006</b>			<b>Wood Shelving, White Pine, Clear Grade, Wall Mounted (10 56 16 00-0001)</b>		
10 56 16 00-0007	LF		1" x 8" White Pine Clear Grade Wood Shelving.....	7.58	2.40
10 56 16 00-0008	LF		1" x 10" White Pine Clear Grade Wood Shelving.....	8.49	2.55
10 56 16 00-0009	LF		1" x 12" White Pine Clear Grade Wood Shelving.....	9.48	2.75
10 56 16 00-0010	SF		Wood Shelving, 2" White Pine Clear Grade.....	13.25	
<b>10 56 16 00-0011</b>			<b>Plywood Shelf With Edge Band (10 56 16 00-0001)</b>		
10 56 16 00-0012	LF		3/4" Plywood Shelf, 12" Wide With Edge Band.....	10.55	2.40
10 56 16 00-0013	LF		3/4" Plywood Shelf, 24" Wide With Edge Band.....	18.25	3.00
<b>10 56 16 00-0014</b>			<b>Adjustable Shelf And Rod (10 56 16 00-0001)</b>		
10 56 16 00-0015	EA		12" Wide Adjustable Shelf, 3' To 6' Long Including Rod .....	123.33	8.98
10 56 16 00-0016	EA		12" Wide Adjustable Shelf, 5' To 8' Long Including Rod .....	142.14	11.97
<b>10 56 16 00-0017</b>			<b>Prefinished Wood Shelves With Brackets And Supports (10 56 16 00-0001)</b>		
10 56 16 00-0018	LF		Prefinished Wood Shelves, 8" Wide, With Brackets And Supports.....	8.37	2.40
10 56 16 00-0019	LF		Prefinished Wood Shelves, 10" Wide, With Brackets And Supports.....	9.20	2.55
10 56 16 00-0020	SF		Adjustable 3/4" Plastic Laminated Wood Shelves, Recessed Metal Standards.....	30.80	3.99
<b>10 56 16 00-0021</b>			<b>Wood Shelving, Oak, Clear Grade, Wall Mounted (10 56 16 00-0001)</b>		
10 56 16 00-0022	LF		Wood Shelving, 1" X 8" Oak Clear Grade.....	10.21	3.75
<b>10 56 17</b>			<b>Wall-Mounted Standards and Shelving (10 56)</b>		
<b>10 56 17 00-0001</b>			<b>Galvanized Steel, Wall Mounted Solid Shelving (10 56 17)</b>		
			Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0002	LF		8" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	44.91	3.93
			For Installation On Concrete Walls, Add	1.45	
			For Installation On Concrete Block Walls, Add	2.37	
10 56 17 00-0003	LF		10" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	46.70	3.93
			For Installation On Concrete Walls, Add	1.45	
			For Installation On Concrete Block Walls, Add	2.37	
10 56 17 00-0004	LF		12" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	50.85	3.93
			For Installation On Concrete Walls, Add	1.45	
			For Installation On Concrete Block Walls, Add	2.37	
10 56 17 00-0005	LF		16" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	56.21	3.93
			For Installation On Concrete Walls, Add	1.45	
			For Installation On Concrete Block Walls, Add	2.37	
10 56 17 00-0006	LF		18" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	57.54	3.93
			For Installation On Concrete Walls, Add	1.45	
			For Installation On Concrete Block Walls, Add	2.37	
10 56 17 00-0007	LF		24" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving.....	69.02	3.93
			For Installation On Concrete Walls, Add	1.45	
			For Installation On Concrete Block Walls, Add	2.37	



<b>Specialties</b>	<b>10</b>	<b>10</b>
<b>Storage Specialties</b>	<b>10 50</b>	
<b>Storage Assemblies</b>	<b>10 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>10 56 17 00-0008 304 Stainless Steel, Wall Mounted Solid Shelving</b> <small>(10 56 17)</small>		
<small>Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.</small>		
10 56 17 00-0009 LF 8" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving .....	77.46	3.93
<i>For Installation On Concrete Walls, Add</i>		
	1.45	
<i>For Installation On Concrete Block Walls, Add</i>		
	2.37	
10 56 17 00-0010 LF 10" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving .....	85.59	3.93
<i>For Installation On Concrete Walls, Add</i>		
	1.45	
<i>For Installation On Concrete Block Walls, Add</i>		
	2.37	
10 56 17 00-0011 LF 12" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving .....	93.75	3.93
<i>For Installation On Concrete Walls, Add</i>		
	1.45	
<i>For Installation On Concrete Block Walls, Add</i>		
	2.37	
10 56 17 00-0012 LF 16" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving .....	112.52	3.93
<i>For Installation On Concrete Walls, Add</i>		
	1.45	
<i>For Installation On Concrete Block Walls, Add</i>		
	2.37	
10 56 17 00-0013 LF 18" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving .....	123.63	3.93
<i>For Installation On Concrete Walls, Add</i>		
	1.45	
<i>For Installation On Concrete Block Walls, Add</i>		
	2.37	
10 56 17 00-0014 LF 24" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving .....	139.67	3.93
<i>For Installation On Concrete Walls, Add</i>		
	1.45	
<i>For Installation On Concrete Block Walls, Add</i>		
	2.37	
<b>10 56 17 00-0015 Laminated Particleboard, Wall Mounted Solid Shelving</b> <small>(10 56 17)</small>		
<small>Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.</small>		
10 56 17 00-0016 LF 8" Depth, Laminated Particleboard, Wall Mounted Solid Shelving .....	28.01	3.93
<i>For Installation On Concrete Walls, Add</i>		
	1.45	
<i>For Installation On Concrete Block Walls, Add</i>		
	2.37	
10 56 17 00-0017 LF 10" Depth, Laminated Particleboard, Wall Mounted Solid Shelving .....	29.22	3.93
<i>For Installation On Concrete Walls, Add</i>		
	1.45	
<i>For Installation On Concrete Block Walls, Add</i>		
	2.37	
10 56 17 00-0018 LF 12" Depth, Laminated Particleboard, Wall Mounted Solid Shelving .....	30.69	3.93
<i>For Installation On Concrete Walls, Add</i>		
	1.45	
<i>For Installation On Concrete Block Walls, Add</i>		
	2.37	
10 56 17 00-0019 LF 16" Depth, Laminated Particleboard, Wall Mounted Solid Shelving .....	32.81	3.93
<i>For Installation On Concrete Walls, Add</i>		
	1.45	
<i>For Installation On Concrete Block Walls, Add</i>		
	2.37	
10 56 17 00-0020 LF 18" Depth, Laminated Particleboard, Wall Mounted Solid Shelving .....	35.38	3.93
<i>For Installation On Concrete Walls, Add</i>		
	1.45	
<i>For Installation On Concrete Block Walls, Add</i>		
	2.37	
10 56 17 00-0021 LF 24" Depth, Laminated Particleboard, Wall Mounted Solid Shelving .....	42.30	3.93
<i>For Installation On Concrete Walls, Add</i>		
	1.45	
<i>For Installation On Concrete Block Walls, Add</i>		
	2.37	
<b>10 56 17 00-0022 Chrome Plated Steel, Wall Mounted Wire Shelving</b> <small>(10 56 17)</small>		
<small>Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.</small>		
10 56 17 00-0023 LF 14" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving .....	43.78	3.93
<i>For Installation On Concrete Walls, Add</i>		
	1.45	
<i>For Installation On Concrete Block Walls, Add</i>		
	2.37	
10 56 17 00-0024 LF 18" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving .....	50.03	3.93
<i>For Installation On Concrete Walls, Add</i>		
	1.45	
<i>For Installation On Concrete Block Walls, Add</i>		
	2.37	
<b>10 56 17 00-0025 Stainless Steel, Wall Mounted Wire Shelving</b> <small>(10 56 17)</small>		
<small>Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.</small>		
10 56 17 00-0026 LF 14" Depth, Stainless Steel, Wall Mounted Wire Shelving .....	111.76	3.93
<i>For Installation On Concrete Walls, Add</i>		
	1.45	
<i>For Installation On Concrete Block Walls, Add</i>		
	2.37	
10 56 17 00-0027 LF 18" Depth, Stainless Steel, Wall Mounted Wire Shelving .....	116.55	3.93
<i>For Installation On Concrete Walls, Add</i>		
	1.45	
<i>For Installation On Concrete Block Walls, Add</i>		
	2.37	
<b>10 56 17 00-0028 Prefinished Hardwood Plywood, Wall Mounted Solid Shelving</b> <small>(10 56 17)</small>		
<small>Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.</small>		
10 56 17 00-0029 LF 8" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving .....	26.10	3.93
<i>For Installation On Concrete Walls, Add</i>		
	1.89	
<i>For Installation On Concrete Block Walls, Add</i>		
	2.81	
10 56 17 00-0030 LF 10" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving .....	26.89	3.93
<i>For Installation On Concrete Walls, Add</i>		
	1.91	
<i>For Installation On Concrete Block Walls, Add</i>		
	2.83	
10 56 17 00-0031 LF 12" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving .....	27.43	3.93
<i>For Installation On Concrete Walls, Add</i>		
	1.92	
<i>For Installation On Concrete Block Walls, Add</i>		
	2.84	
10 56 17 00-0032 LF 16" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving .....	29.32	3.93
<i>For Installation On Concrete Walls, Add</i>		
	1.95	
<i>For Installation On Concrete Block Walls, Add</i>		
	2.87	
10 56 17 00-0033 LF 18" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving .....	30.29	3.93
<i>For Installation On Concrete Walls, Add</i>		
	1.96	
<i>For Installation On Concrete Block Walls, Add</i>		
	2.88	
10 56 17 00-0034 LF 24" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving .....	33.19	3.93
<i>For Installation On Concrete Walls, Add</i>		
	2.00	
<i>For Installation On Concrete Block Walls, Add</i>		
	2.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>10 56 17 00-0035</b> Wall Mounted Shelving Accessories <small>(10 56 17)</small>		
10 56 17 00-0036 LF Removal And Reinstallation Of Single Shelf Metal Storage Shelving Unit.....	21.20	
<b>10 56 29 Storage Racks</b> <small>(10 56)</small>		
<b>10 56 29 13 Flow Storage Racks</b> <small>(10 56 29)</small>		
<b>10 56 29 13-0001 Steel Record Storage Rack</b> <small>(10 56 29 13)</small>		
Note: Includes 5/8" particle board decking.		
10 56 29 13-0002 SF 16" Depth Record Storage Racks.....	8.91	0.91
Note: Up to 6' wide shelving. Up to 9 shelving levels. Includes 5/8" particle board decking. Per SF of shelving.		
10 56 29 13-0003 SF 24" Depth Record Storage Racks.....	6.71	0.68
Note: Up to 6' wide shelving. Up to 9 shelving levels. Includes 5/8" particle board decking. Per SF of shelving.		
10 56 29 13-0004 SF 34" Depth Record Storage Racks.....	5.74	0.55
Note: Up to 6' wide shelving. Up to 9 shelving levels. Includes 5/8" particle board decking. Per SF of shelving.		
<b>10 56 29 16 Pallet Storage Racks</b> <small>(10 56 29)</small>		
<b>10 56 29 16-0001 Dry Storage Pallet Racks</b> <small>(10 56 29 16)</small>		
Note: Excludes decking.		
<b>10 56 29 16-0002 18,000 LB Frame Pallet Racks</b> <small>(10 56 29 16-0001)</small>		
10 56 29 16-0003 SF Storage Racks 36" Deep, 24" Clear Height Shelf Spacing, 18,000 LB.....	8.55	1.17
Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 LB frames with adjustable height shelving levels. Per SF of shelving area.		
10 56 29 16-0004 SF Storage Racks 36" Deep, 36" Clear Height Shelf Spacing, 18,000 LB.....	9.39	1.36
Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 LB frames with adjustable height shelving levels. Per SF of shelving area.		
10 56 29 16-0005 SF Storage Racks 36" Deep, 48" Clear Height Shelf Spacing, 18,000 LB.....	10.31	1.55
Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 LB frames with adjustable height shelving levels. Per SF of shelving area.		
10 56 29 16-0006 SF Storage Racks 42" Deep, 24" Clear Height Shelf Spacing, 18,000 LB.....	7.50	1.07
Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 LB frames with adjustable height shelving levels. Per SF of shelving area.		
10 56 29 16-0007 SF Storage Racks 42" Deep, 36" Clear Height Shelf Spacing, 18,000 LB.....	8.22	1.23
Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 LB frames with adjustable height shelving levels. Per SF of shelving area.		
10 56 29 16-0008 SF Storage Racks 42" Deep, 48" Clear Height Shelf Spacing, 18,000 LB.....	9.05	1.42
Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 LB frames with adjustable height shelving levels. Per SF of shelving area.		
10 56 29 16-0009 SF Storage Racks 48" Deep, 24" Clear Height Shelf Spacing, 18,000 LB.....	6.66	0.97
Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 LB frames with adjustable height shelving levels. Per SF of shelving area.		
10 56 29 16-0010 SF Storage Racks 48" Deep, 36" Clear Height Shelf Spacing, 18,000 LB.....	7.31	1.13
Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 LB frames with adjustable height shelving levels. Per SF of shelving area.		
10 56 29 16-0011 SF Storage Racks 48" Deep, 48" Clear Height Shelf Spacing, 18,000 LB.....	8.06	1.29
Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 LB frames with adjustable height shelving levels. Per SF of shelving area.		
<b>10 56 29 16-0012 24,000 LB Frame Pallet Racks</b> <small>(10 56 29 16-0001)</small>		
10 56 29 16-0013 SF Storage Racks 36" Deep, 24" Clear Height Shelf Spacing, 24,000 LB.....	9.03	1.34
Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 24,000 LB frames with adjustable height shelving levels. Per SF of shelving area.		
10 56 29 16-0014 SF Storage Racks 36" Deep, 36" Clear Height Shelf Spacing, 24,000 LB.....	10.03	1.42
Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 24,000 LB frames with adjustable height shelving levels. Per SF of shelving area.		
10 56 29 16-0015 SF Storage Racks 36" Deep, 48" Clear Height Shelf Spacing, 24,000 LB.....	11.01	1.79
Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 24,000 LB frames with adjustable height shelving levels. Per SF of shelving area.		
10 56 29 16-0016 SF Storage Racks 42" Deep, 24" Clear Height Shelf Spacing, 24,000 LB.....	7.95	1.23
Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 24,000 LB frames with adjustable height shelving levels. Per SF of shelving area.		
10 56 29 16-0017 SF Storage Racks 42" Deep, 36" Clear Height Shelf Spacing, 24,000 LB.....	8.80	1.42
Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 24,000 LB frames with adjustable height shelving levels. Per SF of shelving area.		
10 56 29 16-0018 SF Storage Racks 42" Deep, 48" Clear Height Shelf Spacing, 24,000 LB.....	9.74	1.63
Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 24,000 LB frames with adjustable height shelving levels. Per SF of shelving area.		
10 56 29 16-0019 SF Storage Racks 48" Deep, 24" Clear Height Shelf Spacing, 24,000 LB.....	7.08	1.12
Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 24000# frames with adjustable height shelving levels. Per SF of shelving area.		
10 56 29 16-0020 SF Storage Racks 48" Deep, 36" Clear Height Shelf Spacing, 24,000 LB.....	7.89	1.30
Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 24000# frames with adjustable height shelving levels. Per SF of shelving area.		
10 56 29 16-0021 SF Storage Racks 48" Deep, 48" Clear Height Shelf Spacing, 24,000 LB.....	8.70	1.49
Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 24000# frames with adjustable height shelving levels. Per SF of shelving area.		



<b>Specialties</b>	<b>10</b>	<b>10</b>
Storage Specialties	10 50	
Storage Assemblies	10 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>10 56 29 16-0022 32,000 LB Frame Pallet Racks</b> <small>(10 56 29 16-0001)</small>		
10 56 29 16-0023 SF Storage Racks 36" Deep, 24" Clear Height Shelf Spacing, 32,000 LB..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 32000# frames with adjustable height shelving levels. Per SF of shelving area.	9.56	1.54
10 56 29 16-0024 SF Storage Racks 36" Deep, 36" Clear Height Shelf Spacing, 32,000 LB..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 32000# frames with adjustable height shelving levels. Per SF of shelving area.	10.67	1.80
10 56 29 16-0025 SF Storage Racks 36" Deep, 48" Clear Height Shelf Spacing, 32,000 LB..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 32000# frames with adjustable height shelving levels. Per SF of shelving area.	11.81	2.06
10 56 29 16-0026 SF Storage Racks 42" Deep, 24" Clear Height Shelf Spacing, 32,000 LB..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 32000# frames with adjustable height shelving levels. Per SF of shelving area.	8.39	1.41
10 56 29 16-0027 SF Storage Racks 42" Deep, 36" Clear Height Shelf Spacing, 32,000 LB..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 32000# frames with adjustable height shelving levels. Per SF of shelving area.	9.35	1.62
10 56 29 16-0028 SF Storage Racks 42" Deep, 48" Clear Height Shelf Spacing, 32,000 LB..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 32000# frames with adjustable height shelving levels. Per SF of shelving area.	10.39	1.89
10 56 29 16-0029 SF Storage Racks 48" Deep, 24" Clear Height Shelf Spacing, 32,000 LB..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 32000# frames with adjustable height shelving levels. Per SF of shelving area.	7.45	1.28
10 56 29 16-0030 SF Storage Racks 48" Deep, 36" Clear Height Shelf Spacing, 32,000 LB..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 32000# frames with adjustable height shelving levels. Per SF of shelving area.	8.35	1.49
10 56 29 16-0031 SF Storage Racks 48" Deep, 48" Clear Height Shelf Spacing, 32,000 LB..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 32000# frames with adjustable height shelving levels. Per SF of shelving area.	9.24	1.71
<b>10 56 29 16-0032 45,000 LB Frame Pallet Racks</b> <small>(10 56 29 16-0001)</small>		
10 56 29 16-0033 SF Storage Racks 36" Deep, 24" Clear Height Shelf Spacing, 45,000 LB..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 45000# frames with adjustable height shelving levels. Per SF of shelving area.	10.25	1.78
10 56 29 16-0034 SF Storage Racks 36" Deep, 36" Clear Height Shelf Spacing, 45,000 LB..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 45000# frames with adjustable height shelving levels. Per SF of shelving area.	11.56	2.07
10 56 29 16-0035 SF Storage Racks 36" Deep, 48" Clear Height Shelf Spacing, 45,000 LB..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 45000# frames with adjustable height shelving levels. Per SF of shelving area.	12.88	2.36
10 56 29 16-0036 SF Storage Racks 42" Deep, 24" Clear Height Shelf Spacing, 45,000 LB..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 45000# frames with adjustable height shelving levels. Per SF of shelving area.	9.01	1.62
10 56 29 16-0037 SF Storage Racks 42" Deep, 36" Clear Height Shelf Spacing, 45,000 LB..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 45000# frames with adjustable height shelving levels. Per SF of shelving area.	10.12	1.88
10 56 29 16-0038 SF Storage Racks 42" Deep, 48" Clear Height Shelf Spacing, 45,000 LB..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 45000# frames with adjustable height shelving levels. Per SF of shelving area.	11.34	2.17
10 56 29 16-0039 SF Storage Racks 48" Deep, 24" Clear Height Shelf Spacing, 45,000 LB..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 45000# frames with adjustable height shelving levels. Per SF of shelving area.	8.01	1.47
10 56 29 16-0040 SF Storage Racks 48" Deep, 36" Clear Height Shelf Spacing, 45,000 LB..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 45000# frames with adjustable height shelving levels. Per SF of shelving area.	9.05	1.72
10 56 29 16-0041 SF Storage Racks 48" Deep, 48" Clear Height Shelf Spacing, 45,000 LB..... Note: 8' to 12' wide pair of shelving rails. 8' to 24' high 45000# frames with adjustable height shelving levels. Per SF of shelving area.	10.07	1.97
<b>10 56 29 16-0042 Pallet Rack Accessories</b> <small>(10 56 29 16-0001)</small>		
10 56 29 16-0043 EA 36" Cross Bar For 18,000 LB And 24,000 LB Pallet Racks .....	13.00	
10 56 29 16-0044 EA 42" Cross Bar For 18,000 LB And 24,000 LB Pallet Racks .....	14.33	
10 56 29 16-0045 EA 48" Cross Bar For 18,000 LB And 24,000 LB Pallet Racks .....	15.66	
10 56 29 16-0046 EA 3" Deep, 36" To 48" Long Pallet Support For 32,000 LB Pallet Racks .....	47.08	
10 56 29 16-0047 EA 4" Deep, 36" To 48" Long Pallet Support For 45,000 LB Pallet Racks .....	50.56	
10 56 29 16-0048 LF 36" Deep, Pallet Racks Wire Decking.....	15.00	
10 56 29 16-0049 LF 42" Deep, Pallet Racks Wire Decking.....	15.51	
10 56 29 16-0050 EA 48" Deep, Pallet Racks Wire Decking.....	17.09	
<b>10 56 29 63 Box Shelving</b> <small>(10 56 29)</small>		
<b>10 56 29 63-0001 Box Shelving</b> <small>(10 56 29 63)</small>		
10 56 29 63-0002 EA Single Tier Box Shelving 48" Wide 60" High X 48" Deep (9,000 LB Capacity) .....	336.22	41.87
<b>10 70 Exterior Specialties</b> <small>(10)</small>		
<b>10 71 Exterior Protection</b> <small>(10 71)</small>		
<b>10 71 13 Exterior Sun Control Devices</b> <small>(10 71)</small>		





MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**10 71 13 13 Exterior Shutters** (10 71 13)

10 71 13 13-0001 Exterior Shutters, High Impact Resistant Plastic, Unfinished (10 71 13 13)

10 71 13 13-0002 Louvered Decorative Shutters (10 71 13 13-0001)

10 71 13 13-0003	PR 15" x 25" Louvered Shutter, High Impact Resistant Plastic.....	41.16	11.98
	<i>For Colored Finish, Add</i>	4.54	
10 71 13 13-0004	PR 15" x 31" Louvered Shutter, High Impact Resistant Plastic.....	44.68	12.57
	<i>For Colored Finish, Add</i>	5.03	
10 71 13 13-0005	PR 15" x 36" Louvered Shutter, High Impact Resistant Plastic.....	48.21	13.17
	<i>For Colored Finish, Add</i>	5.52	
10 71 13 13-0006	PR 15" x 39" Louvered Shutter, High Impact Resistant Plastic.....	51.42	13.77
	<i>For Colored Finish, Add</i>	5.95	
10 71 13 13-0007	PR 15" x 43" Louvered Shutter, High Impact Resistant Plastic.....	55.07	14.37
	<i>For Colored Finish, Add</i>	6.46	
10 71 13 13-0008	PR 15" x 48" Louvered Shutter, High Impact Resistant Plastic.....	58.87	14.96
	<i>For Colored Finish, Add</i>	7.01	
10 71 13 13-0009	PR 15" x 52" Louvered Shutter, High Impact Resistant Plastic.....	61.43	15.56
	<i>For Colored Finish, Add</i>	7.32	
10 71 13 13-0010	PR 15" x 55" Louvered Shutter, High Impact Resistant Plastic.....	64.30	16.16
	<i>For Colored Finish, Add</i>	7.70	
10 71 13 13-0011	PR 15" x 60" Louvered Shutter, High Impact Resistant Plastic.....	68.14	16.76
	<i>For Colored Finish, Add</i>	8.24	
10 71 13 13-0012	PR 15" x 64" Louvered Shutter, High Impact Resistant Plastic.....	73.34	17.36
	<i>For Colored Finish, Add</i>	9.03	
10 71 13 13-0013	PR 15" x 67" Louvered Shutter, High Impact Resistant Plastic.....	75.76	17.95
	<i>For Colored Finish, Add</i>	9.33	
10 71 13 13-0014	PR 15" x 72" Louvered Shutter, High Impact Resistant Plastic.....	82.29	18.55
	<i>For Colored Finish, Add</i>	10.36	
10 71 13 13-0015	PR 15" x 75" Louvered Shutter, High Impact Resistant Plastic.....	84.69	19.16
	<i>For Colored Finish, Add</i>	10.65	
10 71 13 13-0016	PR 15" x 80" Louvered Shutter, High Impact Resistant Plastic.....	89.21	19.76
	<i>For Colored Finish, Add</i>	11.32	

10 71 13 13-0017 Raised Panel Decorative Shutters (10 71 13 13-0001)

10 71 13 13-0018	PR 15" x 35" Raised Panel Shutter, High Impact Resistant Plastic.....	58.36	13.17
	<i>For Colored Finish, Add</i>	7.34	
10 71 13 13-0019	PR 15" x 39" Raised Panel Shutter, High Impact Resistant Plastic.....	62.60	13.77
	<i>For Colored Finish, Add</i>	7.96	
10 71 13 13-0020	PR 15" x 43" Raised Panel Shutter, High Impact Resistant Plastic.....	65.35	14.37
	<i>For Colored Finish, Add</i>	8.32	
10 71 13 13-0021	PR 15" x 47" Raised Panel Shutter, High Impact Resistant Plastic.....	69.71	14.96
	<i>For Colored Finish, Add</i>	8.96	
10 71 13 13-0022	PR 15" x 51" Raised Panel Shutter, High Impact Resistant Plastic.....	73.44	15.56
	<i>For Colored Finish, Add</i>	9.48	
10 71 13 13-0023	PR 15" x 55" Raised Panel Shutter, High Impact Resistant Plastic.....	76.96	16.16
	<i>For Colored Finish, Add</i>	9.97	
10 71 13 13-0024	PR 15" x 59" Raised Panel Shutter, High Impact Resistant Plastic.....	81.74	16.76
	<i>For Colored Finish, Add</i>	10.69	
10 71 13 13-0025	PR 15" x 63" Raised Panel Shutter, High Impact Resistant Plastic.....	88.10	17.36
	<i>For Colored Finish, Add</i>	11.69	
10 71 13 13-0026	PR 15" x 67" Raised Panel Shutter, High Impact Resistant Plastic.....	92.52	17.95
	<i>For Colored Finish, Add</i>	12.34	
10 71 13 13-0027	PR 15" x 71" Raised Panel Shutter, High Impact Resistant Plastic.....	97.52	18.55
	<i>For Colored Finish, Add</i>	13.10	
10 71 13 13-0028	PR 15" x 75" Raised Panel Shutter, High Impact Resistant Plastic.....	99.12	19.16
	<i>For Colored Finish, Add</i>	13.24	
10 71 13 13-0029	PR 15" x 81" Raised Panel Shutter, High Impact Resistant Plastic.....	102.69	19.76
	<i>For Colored Finish, Add</i>	13.74	

10 71 13 13-0030 Exterior Spanish Cedar Shutters (10 71 13 13)

10 71 13 13-0031 12" Width (10 71 13 13-0030)

10 71 13 13-0032	PR 12" x 36" Spanish Cedar Raised Panel Or Louvered Shutter.....	331.72	11.98
	<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0033	PR 12" x 42" Spanish Cedar Raised Panel Or Louvered Shutter.....	358.09	13.17
	<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0034	PR 12" x 48" Spanish Cedar Raised Panel Or Louvered Shutter.....	383.65	13.77
	<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0035	PR 12" x 54" Spanish Cedar Raised Panel Or Louvered Shutter.....	410.01	14.96
	<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0036	PR 12" x 60" Spanish Cedar Raised Panel Or Louvered Shutter.....	435.57	15.56
	<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0037	PR 12" x 66" Spanish Cedar Raised Panel Or Louvered Shutter.....	463.99	16.76
	<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0038	PR 12" x 72" Spanish Cedar Raised Panel Or Louvered Shutter.....	489.57	17.36
	<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0039	PR 12" x 78" Spanish Cedar Raised Panel Or Louvered Shutter.....	515.12	17.95
	<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0040	PR 12" x 84" Spanish Cedar Raised Panel Or Louvered Shutter.....	541.49	19.16
	<i>For Arched Tops, Add</i>	150.00	



<b>Specialties</b>	<b>10</b>	<b>10</b>
Exterior Specialties	10 70	
Exterior Protection	10 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>10 71 13 13-0041 14" Width</b> <small>(10 71 13 13-0030)</small>		
10 71 13 13-0042 PR 14" x 36" Spanish Cedar Raised Panel Or Louvered Shutter .....	352.36	11.98
<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0043 PR 14" x 42" Spanish Cedar Raised Panel Or Louvered Shutter .....	382.85	13.17
<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0044 PR 14" x 48" Spanish Cedar Raised Panel Or Louvered Shutter .....	412.55	13.77
<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0045 PR 14" x 54" Spanish Cedar Raised Panel Or Louvered Shutter .....	443.03	14.96
<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0046 PR 14" x 60" Spanish Cedar Raised Panel Or Louvered Shutter .....	472.72	15.56
<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0047 PR 14" x 66" Spanish Cedar Raised Panel Or Louvered Shutter .....	503.21	16.76
<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0048 PR 14" x 72" Spanish Cedar Raised Panel Or Louvered Shutter .....	532.91	17.36
<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0049 PR 14" x 78" Spanish Cedar Raised Panel Or Louvered Shutter .....	560.53	17.95
<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0050 PR 14" x 84" Spanish Cedar Raised Panel Or Louvered Shutter .....	591.02	19.16
<i>For Arched Tops, Add</i>	150.00	
<b>10 71 13 13-0051 16" Width</b> <small>(10 71 13 13-0030)</small>		
10 71 13 13-0052 PR 16" x 36" Spanish Cedar Raised Panel Or Louvered Shutter .....	375.06	11.98
<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0053 PR 16" x 42" Spanish Cedar Raised Panel Or Louvered Shutter .....	407.62	13.17
<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0054 PR 16" x 48" Spanish Cedar Raised Panel Or Louvered Shutter .....	441.44	13.77
<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0055 PR 16" x 54" Spanish Cedar Raised Panel Or Louvered Shutter .....	473.99	14.96
<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0056 PR 16" x 60" Spanish Cedar Raised Panel Or Louvered Shutter .....	507.81	15.56
<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0057 PR 16" x 66" Spanish Cedar Raised Panel Or Louvered Shutter .....	542.42	16.76
<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0058 PR 16" x 72" Spanish Cedar Raised Panel Or Louvered Shutter .....	574.18	17.36
<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0059 PR 16" x 78" Spanish Cedar Raised Panel Or Louvered Shutter .....	608.00	17.95
<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0060 PR 16" x 84" Spanish Cedar Raised Panel Or Louvered Shutter .....	642.62	19.16
<i>For Arched Tops, Add</i>	150.00	
<b>10 71 13 13-0061 18" Width</b> <small>(10 71 13 13-0030)</small>		
10 71 13 13-0062 PR 18" x 36" Spanish Cedar Raised Panel Or Louvered Shutter .....	395.70	11.98
<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0063 PR 18" x 42" Spanish Cedar Raised Panel Or Louvered Shutter .....	432.38	13.17
<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0064 PR 18" x 48" Spanish Cedar Raised Panel Or Louvered Shutter .....	470.33	13.77
<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0065 PR 18" x 54" Spanish Cedar Raised Panel Or Louvered Shutter .....	507.01	14.96
<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0066 PR 18" x 60" Spanish Cedar Raised Panel Or Louvered Shutter .....	542.89	15.56
<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0067 PR 18" x 66" Spanish Cedar Raised Panel Or Louvered Shutter .....	581.63	16.76
<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0068 PR 18" x 72" Spanish Cedar Raised Panel Or Louvered Shutter .....	617.52	17.36
<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0069 PR 18" x 78" Spanish Cedar Raised Panel Or Louvered Shutter .....	655.46	17.95
<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0070 PR 18" x 84" Spanish Cedar Raised Panel Or Louvered Shutter .....	692.15	19.16
<i>For Arched Tops, Add</i>	150.00	
<b>10 71 13 13-0071 20" Width</b> <small>(10 71 13 13-0030)</small>		
10 71 13 13-0072 PR 20" x 36" Spanish Cedar Raised Panel Or Louvered Shutter .....	416.34	11.98
<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0073 PR 20" x 42" Spanish Cedar Raised Panel Or Louvered Shutter .....	457.15	13.17
<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0074 PR 20" x 48" Spanish Cedar Raised Panel Or Louvered Shutter .....	497.16	13.77
<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0075 PR 20" x 54" Spanish Cedar Raised Panel Or Louvered Shutter .....	540.03	14.96
<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0076 PR 20" x 60" Spanish Cedar Raised Panel Or Louvered Shutter .....	580.04	15.56
<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0077 PR 20" x 66" Spanish Cedar Raised Panel Or Louvered Shutter .....	620.84	16.76
<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0078 PR 20" x 72" Spanish Cedar Raised Panel Or Louvered Shutter .....	660.86	17.36
<i>For Arched Tops, Add</i>	150.00	
10 71 13 13-0079 PR 20" x 78" Spanish Cedar Raised Panel Or Louvered Shutter .....	700.87	17.95
<i>For Arched Tops, Add</i>	150.00	

<b>10</b>	<b>Specialties</b>
<b>10 70</b>	<b>Exterior Specialties</b>
<b>10 71</b>	<b>Exterior Protection</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0080	PR		20" x 84" Spanish Cedar Raised Panel Or Louvered Shutter ..... <i>For Arched Tops, Add</i>	741.68 150.00	19.16
<b>10 71 13 13-0081</b>			<b>Heavy Duty Exterior True Louver Shutters, Western Red Cedar</b> <small>(10 71 13 13)</small>		
<b>10 71 13 13-0082</b>			<b>12" Width</b> <small>(10 71 13 13-0081)</small>		
10 71 13 13-0083	PR		12" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	242.31 150.00	11.98
10 71 13 13-0084	PR		12" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	258.18 150.00	12.57
10 71 13 13-0085	PR		12" x 44" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	281.58 150.00	13.17
10 71 13 13-0086	PR		12" x 47" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	297.44 150.00	13.77
10 71 13 13-0087	PR		12" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	320.84 150.00	14.37
10 71 13 13-0088	PR		12" x 56" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	344.23 150.00	14.96
10 71 13 13-0089	PR		12" x 59" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	360.10 150.00	15.56
10 71 13 13-0090	PR		12" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	383.50 150.00	16.16
10 71 13 13-0091	PR		12" x 68" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	406.89 150.00	16.76
10 71 13 13-0092	PR		12" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	430.30 150.00	17.36
10 71 13 13-0093	PR		12" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	446.16 150.00	17.95
10 71 13 13-0094	PR		12" x 80" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	469.56 150.00	18.55
10 71 13 13-0095	PR		12" x 83" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	485.42 150.00	19.16
<b>10 71 13 13-0096</b>			<b>14" Width</b> <small>(10 71 13 13-0081)</small>		
10 71 13 13-0097	PR		14" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	272.86 150.00	11.98
10 71 13 13-0098	PR		14" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	291.24 150.00	12.57
10 71 13 13-0099	PR		14" x 44" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	318.41 150.00	13.17
10 71 13 13-0100	PR		14" x 47" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	336.78 150.00	13.77
10 71 13 13-0101	PR		14" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	363.94 150.00	14.37
10 71 13 13-0102	PR		14" x 56" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	391.11 150.00	14.96
10 71 13 13-0103	PR		14" x 59" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	409.48 150.00	15.56
10 71 13 13-0104	PR		14" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	436.65 150.00	16.16
10 71 13 13-0105	PR		14" x 68" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	463.81 150.00	16.76
10 71 13 13-0106	PR		14" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	490.98 150.00	17.36
10 71 13 13-0107	PR		14" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	509.35 150.00	17.95
10 71 13 13-0108	PR		14" x 80" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	536.52 150.00	18.55
10 71 13 13-0109	PR		14" x 83" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	554.90 150.00	19.16
<b>10 71 13 13-0110</b>			<b>15" Width</b> <small>(10 71 13 13-0081)</small>		
10 71 13 13-0111	PR		15" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	288.14 150.00	11.98
10 71 13 13-0112	PR		15" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	307.77 150.00	12.57
10 71 13 13-0113	PR		15" x 44" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	336.82 150.00	13.17
10 71 13 13-0114	PR		15" x 47" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	356.45 150.00	13.77
10 71 13 13-0115	PR		15" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	385.49 150.00	14.37
10 71 13 13-0116	PR		15" x 56" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	414.54 150.00	14.96
10 71 13 13-0117	PR		15" x 59" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	434.18 150.00	15.56
10 71 13 13-0118	PR		15" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	463.23 150.00	16.16
10 71 13 13-0119	PR		15" x 68" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	492.27 150.00	16.76



<b>Specialties</b>	<b>10</b>	<b>10</b>
<b>Exterior Specialties</b>	<b>10 70</b>	
<b>Exterior Protection</b>	<b>10 71</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0120 PR 15" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	521.33 150.00	17.36
10 71 13 13-0121 PR 15" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	540.95 150.00	17.95
10 71 13 13-0122 PR 15" x 80" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	570.00 150.00	18.55
10 71 13 13-0123 PR 15" x 83" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	589.63 150.00	19.16
<b>10 71 13 13-0124 16" Width</b> <small>(10 71 13 13-0081)</small>		
10 71 13 13-0125 PR 16" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	303.41 150.00	11.98
10 71 13 13-0126 PR 16" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	319.07 150.00	12.57
10 71 13 13-0127 PR 16" x 44" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	355.24 150.00	13.17
10 71 13 13-0128 PR 16" x 47" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	376.12 150.00	13.77
10 71 13 13-0129 PR 16" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	407.05 150.00	14.37
10 71 13 13-0130 PR 16" x 56" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	437.98 150.00	14.96
10 71 13 13-0131 PR 16" x 59" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	458.87 150.00	15.56
10 71 13 13-0132 PR 16" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	489.80 150.00	16.16
10 71 13 13-0133 PR 16" x 68" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	520.73 150.00	16.76
10 71 13 13-0134 PR 16" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	551.67 150.00	17.36
10 71 13 13-0135 PR 16" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	572.55 150.00	17.95
10 71 13 13-0136 PR 16" x 80" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	603.48 150.00	18.55
10 71 13 13-0137 PR 16" x 83" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	624.37 150.00	19.16
<b>10 71 13 13-0138 18" Width</b> <small>(10 71 13 13-0081)</small>		
10 71 13 13-0139 PR 18" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	333.96 150.00	11.98
10 71 13 13-0140 PR 18" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	357.36 150.00	12.57
10 71 13 13-0141 PR 18" x 44" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	392.06 150.00	13.17
10 71 13 13-0142 PR 18" x 47" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	415.46 150.00	13.77
10 71 13 13-0143 PR 18" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	450.15 150.00	14.37
10 71 13 13-0144 PR 18" x 56" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	484.86 150.00	14.96
10 71 13 13-0145 PR 18" x 59" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	508.26 150.00	15.56
10 71 13 13-0146 PR 18" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	542.96 150.00	16.16
10 71 13 13-0147 PR 18" x 68" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	577.65 150.00	16.76
10 71 13 13-0148 PR 18" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	612.36 150.00	17.36
10 71 13 13-0149 PR 18" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	635.75 150.00	17.95
10 71 13 13-0150 PR 18" x 80" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	670.45 150.00	18.55
10 71 13 13-0151 PR 18" x 83" Louver Shutter, Heavy Duty Red Cedar ..... <i>For Arched Tops, Add</i>	693.85 150.00	19.16
<b>10 71 13 13-0152 Exterior Cypress Fixed Louver Wood Shutters</b> <small>(10 71 13 13)</small>		
<b>10 71 13 13-0153 6" Through 8" Width</b> <small>(10 71 13 13-0152)</small>		
10 71 13 13-0154 PR 6" Thru 8" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter ..... <i>For Arched Tops, Add</i>	304.18 65.00	11.37
10 71 13 13-0155 PR 6" Thru 8" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter ..... <i>For Arched Tops, Add</i>	343.05 65.00	11.69
10 71 13 13-0156 PR 6" Thru 8" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter ..... <i>For Arched Tops, Add</i>	382.04 65.00	11.98
10 71 13 13-0157 PR 6" Thru 8" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter ..... <i>For Arched Tops, Add</i>	421.36 65.00	12.57
10 71 13 13-0158 PR 6" Thru 8" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter ..... <i>For Arched Tops, Add</i>	460.70 65.00	13.17
10 71 13 13-0159 PR 6" Thru 8" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter ..... <i>For Arched Tops, Add</i>	500.04 65.00	13.77

<b>10</b>	<b>Specialties</b>
<b>10 70</b>	<b>Exterior Specialties</b>
<b>10 71</b>	<b>Exterior Protection</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0160 PR 6" Thru 8" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter .....	539.36	14.37
For Arched Tops, Add	65.00	
10 71 13 13-0161 PR 6" Thru 8" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter .....	578.69	14.96
For Arched Tops, Add	65.00	
10 71 13 13-0162 PR 6" Thru 8" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter .....	618.03	15.56
For Arched Tops, Add	65.00	
10 71 13 13-0163 PR 6" Thru 8" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter .....	657.35	16.16
For Arched Tops, Add	65.00	
10 71 13 13-0164 PR 6" Thru 8" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter .....	696.68	16.76
For Arched Tops, Add	65.00	
10 71 13 13-0165 PR 6" Thru 8" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter .....	736.03	17.36
For Arched Tops, Add	65.00	
10 71 13 13-0166 PR 6" Thru 8" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter .....	775.36	17.95
For Arched Tops, Add	65.00	
10 71 13 13-0167 PR 6" Thru 8" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter .....	814.70	18.55
For Arched Tops, Add	65.00	
<b>10 71 13 13-0168 10" Through 12" Width</b> (10 71 13 13-0152)		
10 71 13 13-0169 PR 10" Thru 12" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter.....	355.18	11.37
For Arched Tops, Add	65.00	
10 71 13 13-0170 PR 10" Thru 12" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter .....	400.90	11.69
For Arched Tops, Add	65.00	
10 71 13 13-0171 PR 10" Thru 12" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter .....	446.64	11.98
For Arched Tops, Add	65.00	
10 71 13 13-0172 PR 10" Thru 12" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter .....	492.78	12.57
For Arched Tops, Add	65.00	
10 71 13 13-0173 PR 10" Thru 12" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter .....	538.90	13.17
For Arched Tops, Add	65.00	
10 71 13 13-0174 PR 10" Thru 12" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter .....	585.04	13.77
For Arched Tops, Add	65.00	
10 71 13 13-0175 PR 10" Thru 12" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter .....	631.17	14.37
For Arched Tops, Add	65.00	
10 71 13 13-0176 PR 10" Thru 12" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter .....	677.29	14.96
For Arched Tops, Add	65.00	
10 71 13 13-0177 PR 10" Thru 12" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter .....	723.43	15.56
For Arched Tops, Add	65.00	
10 71 13 13-0178 PR 10" Thru 12" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter .....	769.57	16.16
For Arched Tops, Add	65.00	
10 71 13 13-0179 PR 10" Thru 12" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter .....	815.69	16.76
For Arched Tops, Add	65.00	
10 71 13 13-0180 PR 10" Thru 12" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter .....	861.84	17.36
For Arched Tops, Add	65.00	
10 71 13 13-0181 PR 10" Thru 12" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter .....	907.95	17.95
For Arched Tops, Add	65.00	
10 71 13 13-0182 PR 10" Thru 12" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter .....	954.09	18.55
For Arched Tops, Add	65.00	
<b>10 71 13 13-0183 14" Through 16" Width</b> (10 71 13 13-0152)		
10 71 13 13-0184 PR 14" Thru 16" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter.....	468.51	11.37
For Arched Tops, Add	65.00	
10 71 13 13-0185 PR 14" Thru 16" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter .....	529.36	11.69
For Arched Tops, Add	65.00	
10 71 13 13-0186 PR 14" Thru 16" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter .....	590.19	11.98
For Arched Tops, Add	65.00	
10 71 13 13-0187 PR 14" Thru 16" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter .....	651.43	12.57
For Arched Tops, Add	65.00	
10 71 13 13-0188 PR 14" Thru 16" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter .....	712.68	13.17
For Arched Tops, Add	65.00	
10 71 13 13-0189 PR 14" Thru 16" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter .....	773.93	13.77
For Arched Tops, Add	65.00	
10 71 13 13-0190 PR 14" Thru 16" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter .....	835.17	14.37
For Arched Tops, Add	65.00	
10 71 13 13-0191 PR 14" Thru 16" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter .....	896.41	14.96
For Arched Tops, Add	65.00	
10 71 13 13-0192 PR 14" Thru 16" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter .....	897.21	15.56
For Arched Tops, Add	65.00	
10 71 13 13-0193 PR 14" Thru 16" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter .....	1,018.91	16.16
For Arched Tops, Add	65.00	
10 71 13 13-0194 PR 14" Thru 16" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter .....	1,080.15	16.76
For Arched Tops, Add	65.00	
10 71 13 13-0195 PR 14" Thru 16" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter .....	1,141.39	17.36
For Arched Tops, Add	65.00	
10 71 13 13-0196 PR 14" Thru 16" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter .....	1,202.63	17.95
For Arched Tops, Add	65.00	
10 71 13 13-0197 PR 14" Thru 16" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter .....	1,263.87	18.55
For Arched Tops, Add	65.00	
<b>10 71 13 13-0198 18" Through 20" Width</b> (10 71 13 13-0152)		
10 71 13 13-0199 PR 18" Thru 20" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter.....	525.17	11.37
For Arched Tops, Add	65.00	



<b>Specialties</b>	<b>10</b>	<b>10</b>
<b>Exterior Specialties</b>	<b>10 70</b>	
<b>Exterior Protection</b>	<b>10 71</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71	13 13-0200	PR	18" Thru 20" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	593.58	11.69
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0201	PR	18" Thru 20" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	661.97	11.98
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0202	PR	18" Thru 20" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	730.14	12.57
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0203	PR	18" Thru 20" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	799.57	13.17
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0204	PR	18" Thru 20" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	868.38	13.77
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0205	PR	18" Thru 20" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	937.17	14.37
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0206	PR	18" Thru 20" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	1,005.97	14.96
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0207	PR	18" Thru 20" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	1,074.77	15.56
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0208	PR	18" Thru 20" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	1,143.58	16.16
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0209	PR	18" Thru 20" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	1,212.36	16.76
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0210	PR	18" Thru 20" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	1,281.18	17.36
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0211	PR	18" Thru 20" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	1,349.96	17.95
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0212	PR	18" Thru 20" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	1,418.77	18.55
			<i>For Arched Tops, Add</i>	65.00	
<b>10 71 13 13-0213 22" Through 24" Width</b> <small>(10 71 13 13-0152)</small>					
10 71	13 13-0214	PR	22" Thru 24" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	695.17	11.37
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0215	PR	22" Thru 24" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	786.24	11.69
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0216	PR	22" Thru 24" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	877.32	11.98
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0217	PR	22" Thru 24" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	968.78	12.57
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0218	PR	22" Thru 24" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	1,060.24	13.17
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0219	PR	22" Thru 24" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	1,151.72	13.77
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0220	PR	22" Thru 24" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	1,243.18	14.37
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0221	PR	22" Thru 24" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	1,334.64	14.96
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0222	PR	22" Thru 24" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	1,426.12	15.56
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0223	PR	22" Thru 24" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	1,517.58	16.16
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0224	PR	22" Thru 24" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	1,609.04	16.76
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0225	PR	22" Thru 24" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	1,700.52	17.36
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0226	PR	22" Thru 24" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	1,791.98	17.95
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0227	PR	22" Thru 24" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	1,883.44	18.55
			<i>For Arched Tops, Add</i>	65.00	
<b>10 71 13 13-0228 26" Through 28" Width</b> <small>(10 71 13 13-0152)</small>					
10 71	13 13-0229	PR	26" Thru 28" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	797.17	11.37
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0230	PR	26" Thru 28" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	901.84	11.69
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0231	PR	26" Thru 28" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	1,006.52	11.98
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0232	PR	26" Thru 28" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	1,111.58	12.57
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0233	PR	26" Thru 28" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	1,216.65	13.17
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0234	PR	26" Thru 28" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	1,321.73	13.77
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0235	PR	26" Thru 28" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	1,426.79	14.37
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0236	PR	26" Thru 28" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	1,531.85	14.96
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0237	PR	26" Thru 28" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	1,636.93	15.56
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0238	PR	26" Thru 28" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	1,741.98	16.16
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0239	PR	26" Thru 28" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	1,847.04	16.76
			<i>For Arched Tops, Add</i>	65.00	
10 71	13 13-0240	PR	26" Thru 28" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	1,952.13	17.36
			<i>For Arched Tops, Add</i>	65.00	

<b>10</b>	<b>Specialties</b>
<b>10 70</b>	<b>Exterior Specialties</b>
<b>10 71</b>	<b>Exterior Protection</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0241 PR 26" Thru 28" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter .....	2,057.18	17.95
For Arched Tops, Add	65.00	
10 71 13 13-0242 PR 26" Thru 28" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter .....	2,162.23	18.55
For Arched Tops, Add	65.00	
<b>10 71 13 13-0243 Pine Louvered Shutters</b> <small>(10 71 13 13)</small>		
<b>10 71 13 13-0244 12" Width</b> <small>(10 71 13 13-0243)</small>		
10 71 13 13-0245 PR 12" x 35" Pine Louvered Shutter .....	171.16	11.98
For Arched Tops, Add	65.00	
10 71 13 13-0246 PR 12" x 39" Pine Louvered Shutter .....	178.54	12.57
For Arched Tops, Add	65.00	
10 71 13 13-0247 PR 12" x 43" Pine Louvered Shutter .....	185.82	13.17
For Arched Tops, Add	65.00	
10 71 13 13-0248 PR 12" x 47" Pine Louvered Shutter .....	193.14	13.77
For Arched Tops, Add	65.00	
10 71 13 13-0249 PR 12" x 51" Pine Louvered Shutter .....	200.42	14.37
For Arched Tops, Add	65.00	
10 71 13 13-0250 PR 12" x 55" Pine Louvered Shutter .....	207.74	14.96
For Arched Tops, Add	65.00	
10 71 13 13-0251 PR 12" x 59" Pine Louvered Shutter .....	215.08	15.56
For Arched Tops, Add	65.00	
10 71 13 13-0252 PR 12" x 63" Pine Louvered Shutter .....	222.46	16.16
For Arched Tops, Add	65.00	
10 71 13 13-0253 PR 12" x 67" Pine Louvered Shutter .....	229.77	16.76
For Arched Tops, Add	65.00	
10 71 13 13-0254 PR 12" x 71" Pine Louvered Shutter .....	237.12	17.36
For Arched Tops, Add	65.00	
10 71 13 13-0255 PR 12" x 75" Pine Louvered Shutter .....	244.43	17.95
For Arched Tops, Add	65.00	
<b>10 71 13 13-0256 14" Width</b> <small>(10 71 13 13-0243)</small>		
10 71 13 13-0257 PR 14" x 35" Pine Louvered Shutter .....	189.91	11.98
For Arched Tops, Add	65.00	
10 71 13 13-0258 PR 14" x 39" Pine Louvered Shutter .....	198.14	12.57
For Arched Tops, Add	65.00	
10 71 13 13-0259 PR 14" x 43" Pine Louvered Shutter .....	206.22	13.17
For Arched Tops, Add	65.00	
10 71 13 13-0260 PR 14" x 47" Pine Louvered Shutter .....	214.40	13.77
For Arched Tops, Add	65.00	
10 71 13 13-0261 PR 14" x 51" Pine Louvered Shutter .....	222.50	14.37
For Arched Tops, Add	65.00	
10 71 13 13-0262 PR 14" x 55" Pine Louvered Shutter .....	230.59	14.96
For Arched Tops, Add	65.00	
10 71 13 13-0263 PR 14" x 59" Pine Louvered Shutter .....	238.75	15.56
For Arched Tops, Add	65.00	
10 71 13 13-0264 PR 14" x 63" Pine Louvered Shutter .....	246.91	16.16
For Arched Tops, Add	65.00	
10 71 13 13-0265 PR 14" x 67" Pine Louvered Shutter .....	255.00	16.76
For Arched Tops, Add	65.00	
10 71 13 13-0266 PR 14" x 71" Pine Louvered Shutter .....	263.15	17.36
For Arched Tops, Add	65.00	
10 71 13 13-0267 PR 14" x 75" Pine Louvered Shutter .....	271.32	17.95
For Arched Tops, Add	65.00	
<b>10 71 13 13-0268 15" Width</b> <small>(10 71 13 13-0243)</small>		
10 71 13 13-0269 PR 15" x 35" Pine Louvered Shutter .....	199.06	11.98
For Arched Tops, Add	65.00	
10 71 13 13-0270 PR 15" x 39" Pine Louvered Shutter .....	207.60	12.57
For Arched Tops, Add	65.00	
10 71 13 13-0271 PR 15" x 43" Pine Louvered Shutter .....	216.18	13.17
For Arched Tops, Add	65.00	
10 71 13 13-0272 PR 15" x 47" Pine Louvered Shutter .....	224.69	13.77
For Arched Tops, Add	65.00	
10 71 13 13-0273 PR 15" x 51" Pine Louvered Shutter .....	233.24	14.37
For Arched Tops, Add	65.00	
10 71 13 13-0274 PR 15" x 55" Pine Louvered Shutter .....	241.78	14.96
For Arched Tops, Add	65.00	
10 71 13 13-0275 PR 15" x 59" Pine Louvered Shutter .....	250.34	15.56
For Arched Tops, Add	65.00	
10 71 13 13-0276 PR 15" x 63" Pine Louvered Shutter .....	258.87	16.16
For Arched Tops, Add	65.00	
10 71 13 13-0277 PR 15" x 67" Pine Louvered Shutter .....	267.38	16.76
For Arched Tops, Add	65.00	
10 71 13 13-0278 PR 15" x 71" Pine Louvered Shutter .....	275.92	17.36
For Arched Tops, Add	65.00	
10 71 13 13-0279 PR 15" x 75" Pine Louvered Shutter .....	284.47	17.95
For Arched Tops, Add	65.00	
10 71 13 13-0280 PR 15" x 81" Pine Louvered Shutter .....	296.88	18.55
For Arched Tops, Add	65.00	



<b>Specialties</b>	<b>10</b>	<b>10</b>
Exterior Specialties	10 70	
Exterior Protection	10 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>10 71 13 13-0281 16" Width</b> <small>(10 71 13 13-0243)</small>			
10 71 13 13-0282	PR 16" x 35" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	207.78 65.00	11.98
10 71 13 13-0283	PR 16" x 39" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	217.07 65.00	12.57
10 71 13 13-0284	PR 16" x 43" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	226.45 65.00	13.17
10 71 13 13-0285	PR 16" x 47" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	235.80 65.00	13.77
10 71 13 13-0286	PR 16" x 51" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	245.15 65.00	14.37
10 71 13 13-0287	PR 16" x 55" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	254.50 65.00	14.96
10 71 13 13-0288	PR 16" x 59" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	263.79 65.00	15.56
10 71 13 13-0289	PR 16" x 63" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	273.17 65.00	16.16
10 71 13 13-0290	PR 16" x 67" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	282.50 65.00	16.76
10 71 13 13-0291	PR 16" x 71" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	291.87 65.00	17.36
10 71 13 13-0292	PR 16" x 75" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	301.21 65.00	17.95
10 71 13 13-0293	PR 16" x 81" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	310.50 65.00	18.55

<b>10 71 13 13-0294 18" Width</b> <small>(10 71 13 13-0243)</small>			
10 71 13 13-0295	PR 18" x 35" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	226.96 65.00	11.98
10 71 13 13-0296	PR 18" x 39" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	239.13 65.00	12.57
10 71 13 13-0297	PR 18" x 47" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	259.93 65.00	13.77
10 71 13 13-0298	PR 18" x 55" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	280.77 65.00	14.96
10 71 13 13-0299	PR 18" x 63" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	301.61 65.00	16.16
10 71 13 13-0300	PR 18" x 75" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	347.28 65.00	17.95
10 71 13 13-0301	PR 18" x 81" Pine Louvered Shutter..... <i>For Arched Tops, Add</i>	360.11 65.00	18.55

**10 71 13 13-0302 Exterior Cedar Board N' Batten Wood Shutters** (10 71 13 13)

<b>10 71 13 13-0303 8" Through 14" Width</b> <small>(10 71 13 13-0302)</small>			
10 71 13 13-0304	PR 8" Thru 14" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	348.07 65.00	11.37
10 71 13 13-0305	PR 8" Thru 14" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	459.44 65.00	11.69
10 71 13 13-0306	PR 8" Thru 14" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	459.84 65.00	11.98
10 71 13 13-0307	PR 8" Thru 14" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	571.62 65.00	12.57
10 71 13 13-0308	PR 8" Thru 14" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	572.42 65.00	13.17
10 71 13 13-0309	PR 8" Thru 14" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	573.22 65.00	13.77
10 71 13 13-0310	PR 8" Thru 14" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	684.99 65.00	14.37
10 71 13 13-0311	PR 8" Thru 14" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	685.78 65.00	14.96
10 71 13 13-0312	PR 8" Thru 14" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	686.58 65.00	15.56
10 71 13 13-0313	PR 8" Thru 14" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	798.35 65.00	16.16
10 71 13 13-0314	PR 8" Thru 14" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	799.14 65.00	16.76
10 71 13 13-0315	PR 8" Thru 14" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	910.92 65.00	17.36
10 71 13 13-0316	PR 8" Thru 14" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	911.71 65.00	17.95
10 71 13 13-0317	PR 8" Thru 14" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	912.51 65.00	18.55
10 71 13 13-0318	PR 8" Thru 14" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter..... <i>For Arched Tops, Add</i>	913.31 65.00	19.16

**10 71 13 13-0319 15" Through 16" Width** (10 71 13 13-0302)



<b>10</b>	<b>Specialties</b>
<b>10 70</b>	<b>Exterior Specialties</b>
<b>10 71</b>	<b>Exterior Protection</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0320 PR 15" Thru 16" Width x Through 30" Height Cedar Board N' Batten Wood Shutter.....	459.04	11.37
For Arched Tops, Add	65.00	
10 71 13 13-0321 PR 15" Thru 16" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter .....	459.44	11.69
For Arched Tops, Add	65.00	
10 71 13 13-0322 PR 15" Thru 16" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter .....	570.82	11.98
For Arched Tops, Add	65.00	
10 71 13 13-0323 PR 15" Thru 16" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter .....	571.62	12.57
For Arched Tops, Add	65.00	
10 71 13 13-0324 PR 15" Thru 16" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter .....	683.39	13.17
For Arched Tops, Add	65.00	
10 71 13 13-0325 PR 15" Thru 16" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter .....	684.19	13.77
For Arched Tops, Add	65.00	
10 71 13 13-0326 PR 15" Thru 16" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter .....	684.98	14.37
For Arched Tops, Add	65.00	
10 71 13 13-0327 PR 15" Thru 16" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter .....	796.75	14.96
For Arched Tops, Add	65.00	
10 71 13 13-0328 PR 15" Thru 16" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter .....	797.55	15.56
For Arched Tops, Add	65.00	
10 71 13 13-0329 PR 15" Thru 16" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter .....	909.32	16.16
For Arched Tops, Add	65.00	
10 71 13 13-0330 PR 15" Thru 16" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter .....	910.11	16.76
For Arched Tops, Add	65.00	
10 71 13 13-0331 PR 15" Thru 16" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter .....	1,021.89	17.36
For Arched Tops, Add	65.00	
10 71 13 13-0332 PR 15" Thru 16" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter .....	1,022.68	17.95
For Arched Tops, Add	65.00	
10 71 13 13-0333 PR 15" Thru 16" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter .....	1,134.45	18.55
For Arched Tops, Add	65.00	
10 71 13 13-0334 PR 15" Thru 16" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter .....	1,135.25	19.16
For Arched Tops, Add	65.00	
<b>10 71 13 13-0335 17" Through 18" Width</b> (10 71 13 13-0302)		
10 71 13 13-0336 PR 17" Thru 18" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter .....	459.04	11.37
For Arched Tops, Add	65.00	
10 71 13 13-0337 PR 17" Thru 18" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter .....	570.42	11.69
For Arched Tops, Add	65.00	
10 71 13 13-0338 PR 17" Thru 18" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter .....	570.82	11.98
For Arched Tops, Add	65.00	
10 71 13 13-0339 PR 17" Thru 18" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter .....	682.59	12.57
For Arched Tops, Add	65.00	
10 71 13 13-0340 PR 17" Thru 18" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter .....	683.39	13.17
For Arched Tops, Add	65.00	
10 71 13 13-0341 PR 17" Thru 18" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter .....	795.16	13.77
For Arched Tops, Add	65.00	
10 71 13 13-0342 PR 17" Thru 18" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter .....	795.95	14.37
For Arched Tops, Add	65.00	
10 71 13 13-0343 PR 17" Thru 18" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter .....	907.72	14.96
For Arched Tops, Add	65.00	
10 71 13 13-0344 PR 17" Thru 18" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter .....	908.52	15.56
For Arched Tops, Add	65.00	
10 71 13 13-0345 PR 17" Thru 18" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter .....	1,020.29	16.16
For Arched Tops, Add	65.00	
10 71 13 13-0346 PR 17" Thru 18" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter .....	1,021.08	16.76
For Arched Tops, Add	65.00	
10 71 13 13-0347 PR 17" Thru 18" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter .....	1,132.86	17.36
For Arched Tops, Add	65.00	
10 71 13 13-0348 PR 17" Thru 18" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter .....	1,133.65	17.95
For Arched Tops, Add	65.00	
10 71 13 13-0349 PR 17" Thru 18" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter .....	1,245.42	18.55
For Arched Tops, Add	65.00	
10 71 13 13-0350 PR 17" Thru 18" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter .....	1,246.22	19.16
For Arched Tops, Add	65.00	
<b>10 71 13 13-0351 19" Through 20" Width</b> (10 71 13 13-0302)		
10 71 13 13-0352 PR 19" Thru 20" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter .....	570.02	11.37
For Arched Tops, Add	65.00	
10 71 13 13-0353 PR 19" Thru 20" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter .....	570.42	11.69
For Arched Tops, Add	65.00	
10 71 13 13-0354 PR 19" Thru 20" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter .....	681.79	11.98
For Arched Tops, Add	65.00	
10 71 13 13-0355 PR 19" Thru 20" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter .....	682.59	12.57
For Arched Tops, Add	65.00	
10 71 13 13-0356 PR 19" Thru 20" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter .....	794.36	13.17
For Arched Tops, Add	65.00	
10 71 13 13-0357 PR 19" Thru 20" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter .....	795.16	13.77
For Arched Tops, Add	65.00	
10 71 13 13-0358 PR 19" Thru 20" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter .....	906.92	14.37
For Arched Tops, Add	65.00	
10 71 13 13-0359 PR 19" Thru 20" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter .....	1,018.69	14.96
For Arched Tops, Add	65.00	
10 71 13 13-0360 PR 19" Thru 20" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter .....	1,019.49	15.56
For Arched Tops, Add	65.00	



<b>Specialties</b>	<b>10</b>
<b>Exterior Specialties</b>	<b>10 70</b>
<b>Exterior Protection</b>	<b>10 71</b>

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71	13 13-0361	PR	19" Thru 20" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,131.26 65.00	16.16
10 71	13 13-0362	PR	19" Thru 20" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,132.05 65.00	16.76
10 71	13 13-0363	PR	19" Thru 20" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,243.83 65.00	17.36
10 71	13 13-0364	PR	19" Thru 20" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,244.62 65.00	17.95
10 71	13 13-0365	PR	19" Thru 20" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,356.39 65.00	18.55
10 71	13 13-0366	PR	19" Thru 20" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,357.19 65.00	19.16
<b>10 71 13 13-0367 21" Through 22" Width</b> <small>(10 71 13 13-0302)</small>					
10 71	13 13-0368	PR	21" Thru 22" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	570.02 65.00	11.37
10 71	13 13-0369	PR	21" Thru 22" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	570.42 65.00	11.69
10 71	13 13-0370	PR	21" Thru 22" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	681.79 65.00	11.98
10 71	13 13-0371	PR	21" Thru 22" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	793.56 65.00	12.57
10 71	13 13-0372	PR	21" Thru 22" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	794.36 65.00	13.17
10 71	13 13-0373	PR	21" Thru 22" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	906.13 65.00	13.77
10 71	13 13-0374	PR	21" Thru 22" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	906.92 65.00	14.37
10 71	13 13-0375	PR	21" Thru 22" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,018.69 65.00	14.96
10 71	13 13-0376	PR	21" Thru 22" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,130.46 65.00	15.56
10 71	13 13-0377	PR	21" Thru 22" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,131.26 65.00	16.16
10 71	13 13-0378	PR	21" Thru 22" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,243.02 65.00	16.76
10 71	13 13-0379	PR	21" Thru 22" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,243.83 65.00	17.36
10 71	13 13-0380	PR	21" Thru 22" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,355.59 65.00	17.95
10 71	13 13-0381	PR	21" Thru 22" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,356.39 65.00	18.55
10 71	13 13-0382	PR	21" Thru 22" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,357.19 65.00	19.16
<b>10 71 13 13-0383 22" Through 24" Width</b> <small>(10 71 13 13-0302)</small>					
10 71	13 13-0384	PR	22" Thru 24" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	570.02 65.00	11.37
10 71	13 13-0385	PR	22" Thru 24" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	681.39 65.00	11.69
10 71	13 13-0386	PR	22" Thru 24" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	681.79 65.00	11.98
10 71	13 13-0387	PR	22" Thru 24" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	793.56 65.00	12.57
10 71	13 13-0388	PR	22" Thru 24" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	905.33 65.00	13.17
10 71	13 13-0389	PR	22" Thru 24" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	906.13 65.00	13.77
10 71	13 13-0390	PR	22" Thru 24" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,017.89 65.00	14.37
10 71	13 13-0391	PR	22" Thru 24" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,018.69 65.00	14.96
10 71	13 13-0392	PR	22" Thru 24" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,130.46 65.00	15.56
10 71	13 13-0393	PR	22" Thru 24" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,242.23 65.00	16.16
10 71	13 13-0394	PR	22" Thru 24" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,243.02 65.00	16.76
10 71	13 13-0395	PR	22" Thru 24" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,354.80 65.00	17.36
10 71	13 13-0396	PR	22" Thru 24" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,355.59 65.00	17.95
10 71	13 13-0397	PR	22" Thru 24" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,467.36 65.00	18.55
10 71	13 13-0398	PR	22" Thru 24" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter <i>For Arched Tops, Add</i>	1,468.16 65.00	19.16
<b>10 71 13 13-0399 Accessories</b> <small>(10 71 13 13)</small>					
10 71	13 13-0400	PR	Surface Mounted Pintel, Stainless Steel	45.84	
10 71	13 13-0401	PR	Lag Pintel, Stainless Steel	45.84	

<b>10</b>	<b>Specialties</b>
<b>10 70</b>	<b>Exterior Specialties</b>
<b>10 71</b>	<b>Exterior Protection</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0402	PR		10" Strap Hinge, Stainless Steel.....	71.46	
10 71 13 13-0403	PR		6" L-Hinge, Stainless Steel.....	64.99	
10 71 13 13-0404	PR		Hinge Set, Galvanized And Painted.....	57.57	
10 71 13 13-0405	PR		Acorn Holdback.....	57.77	
10 71 13 13-0406	PR		'S' Holdback, Stainless Steel.....	47.30	
10 71 13 13-0407	PR		'S' Holdback, Galvanized And Painted.....	44.06	
<b>10 71 13 13-0408</b>			<b>Accordion Hurricane Impact Shutter</b> (10 71 13 13)		
			Note: Add scaffolding after first floor.		
10 71 13 13-0409	SF		Aluminum Accordion Shutters, Ultraguard.....	20.43	1.79
10 71 13 13-0410	SF		Aluminum Accordion Shutters, Super Shutters.....	24.22	1.79
<b>10 71 16</b>			<b>Storm Panels</b> (10 71)		
<b>10 71 16 13</b>			<b>Demountable Storm Panels</b> (10 71 16)		
<b>10 71 16 13-0001</b>			<b>Hurricane Panels</b> (10 71 16 13)		
<b>10 71 16 13-0002</b>			<b>Aluminum</b> (10 71 16 13-0001)		
10 71 16 13-0003	SF		0.040" Aluminum Hurricane Panels.....	9.76	1.79
10 71 16 13-0004	SF		0.050" Aluminum Hurricane Panels (Miami-Dade Approved).....	10.40	1.79
10 71 16 13-0005	SF		0.063" Aluminum Hurricane Panels (Miami-Dade Approved).....	11.62	1.79
<b>10 71 16 13-0006</b>			<b>Steel</b> (10 71 16 13-0001)		
10 71 16 13-0007	SF		22 Gauge Galvanized Steel Hurricane Panels.....	9.11	1.79
10 71 16 13-0008	SF		20 Gauge Galvanized Steel Hurricane Panels.....	9.56	1.79
<b>10 71 16 13-0009</b>			<b>Fiberglass</b> (10 71 16 13-0001)		
10 71 16 13-0010	SF		Fiberglass Hurricane Panels.....	9.48	1.79
<b>10 71 16 13-0011</b>			<b>Bahama Shutters</b> (10 71 16 13)		
<b>10 71 16 13-0012</b>			<b>Up To 36" Wide</b> (10 71 16 13-0011)		
10 71 16 13-0013	EA		9" Wide x 24" High, Architectural Aluminum Bahama Shutter.....	270.87	2.74
			For Impact Bahama Shutters, Add	106.70	
			For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	123.82	
10 71 16 13-0014	EA		9" Wide x 30" High, Architectural Aluminum Bahama Shutter.....	287.56	3.43
			For Impact Bahama Shutters, Add	112.97	
			For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	123.82	
10 71 16 13-0015	EA		9" Wide x 36" High, Architectural Aluminum Bahama Shutter.....	304.25	4.12
			For Impact Bahama Shutters, Add	119.23	
			For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	123.82	
10 71 16 13-0016	EA		9" Wide x 42" High, Architectural Aluminum Bahama Shutter.....	320.33	4.39
			For Impact Bahama Shutters, Add	125.50	
			For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	123.82	
10 71 16 13-0017	EA		9" Wide x 48" High, Architectural Aluminum Bahama Shutter.....	336.91	5.02
			For Impact Bahama Shutters, Add	131.76	
			For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	123.82	
10 71 16 13-0018	EA		9" Wide x 54" High, Architectural Aluminum Bahama Shutter.....	353.52	5.65
			For Impact Bahama Shutters, Add	138.02	
			For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	123.82	
10 71 16 13-0019	EA		9" Wide x 60" High, Architectural Aluminum Bahama Shutter.....	370.12	6.28
			For Impact Bahama Shutters, Add	144.28	
			For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	123.82	
10 71 16 13-0020	EA		9" Wide x 66" High, Architectural Aluminum Bahama Shutter.....	386.20	6.55
			For Impact Bahama Shutters, Add	150.55	
			For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	123.82	
10 71 16 13-0021	EA		9" Wide x 72" High, Architectural Aluminum Bahama Shutter.....	402.75	7.15
			For Impact Bahama Shutters, Add	156.81	
			For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	123.82	
10 71 16 13-0022	EA		9" Wide x 78" High, Architectural Aluminum Bahama Shutter.....	418.72	7.36
			For Impact Bahama Shutters, Add	163.07	
			For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	123.82	
10 71 16 13-0023	EA		9" Wide x 84" High, Architectural Aluminum Bahama Shutter.....	435.22	7.93
			For Impact Bahama Shutters, Add	169.34	
			For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	123.82	
10 71 16 13-0024	EA		9" Wide x 90" High, Architectural Aluminum Bahama Shutter.....	451.10	8.07
			For Impact Bahama Shutters, Add	175.60	
			For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	123.82	
10 71 16 13-0025	EA		12" Wide x 24" High, Architectural Aluminum Bahama Shutter.....	293.12	3.66
			For Impact Bahama Shutters, Add	115.06	
			For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	123.82	
10 71 16 13-0026	EA		12" Wide x 30" High, Architectural Aluminum Bahama Shutter.....	315.38	4.58
			For Impact Bahama Shutters, Add	123.41	
			For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	123.82	
10 71 16 13-0027	EA		12" Wide x 36" High, Architectural Aluminum Bahama Shutter.....	337.62	5.49
			For Impact Bahama Shutters, Add	131.76	
			For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	123.82	



<b>Specialties</b>	<b>10</b>	<b>10</b>
<b>Exterior Specialties</b>	<b>10 70</b>	
<b>Exterior Protection</b>	<b>10 71</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71	16 13-0028	EA	12" Wide x 42" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	359.05 140.11 123.82	5.85
10 71	16 13-0029	EA	12" Wide x 48" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	381.19 148.46 123.82	6.69
10 71	16 13-0030	EA	12" Wide x 54" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	403.32 156.81 123.82	7.53
10 71	16 13-0031	EA	12" Wide x 60" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	425.44 165.16 123.82	8.37
10 71	16 13-0032	EA	12" Wide x 66" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	446.89 173.51 123.82	8.74
10 71	16 13-0033	EA	12" Wide x 72" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	468.95 181.86 123.82	9.53
10 71	16 13-0034	EA	12" Wide x 78" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	490.25 190.21 123.82	9.81
10 71	16 13-0035	EA	12" Wide x 84" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	512.26 198.56 123.82	10.57
10 71	16 13-0036	EA	12" Wide x 90" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	533.42 206.92 123.82	10.76
10 71	16 13-0037	EA	16" Wide x 24" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	322.80 126.19 136.58	4.88
10 71	16 13-0038	EA	16" Wide x 30" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	352.45 137.32 136.58	6.10
10 71	16 13-0039	EA	16" Wide x 36" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	382.13 148.46 136.58	7.32
10 71	16 13-0040	EA	16" Wide x 42" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	410.69 159.59 136.58	7.80
10 71	16 13-0041	EA	16" Wide x 48" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	440.20 170.73 136.58	8.92
10 71	16 13-0042	EA	16" Wide x 54" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	469.71 181.86 136.58	10.04
10 71	16 13-0043	EA	16" Wide x 60" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	499.21 193.00 136.58	11.15
10 71	16 13-0044	EA	16" Wide x 66" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	527.80 204.13 136.58	11.66
10 71	16 13-0045	EA	16" Wide x 72" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	557.24 215.27 136.58	12.72
10 71	16 13-0046	EA	16" Wide x 78" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	585.61 226.40 136.58	13.09
10 71	16 13-0047	EA	16" Wide x 84" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	614.97 237.54 136.58	14.09
10 71	16 13-0048	EA	16" Wide x 90" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	758.00 294.60 136.58	14.35
10 71	16 13-0049	EA	20" Wide x 24" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	352.45 137.32 136.58	6.10
10 71	16 13-0050	EA	20" Wide x 30" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	389.54 151.24 136.58	7.63
10 71	16 13-0051	EA	20" Wide x 36" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	426.62 165.16 136.58	9.14
10 71	16 13-0052	EA	20" Wide x 42" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	462.32 179.08 136.58	9.76
10 71	16 13-0053	EA	20" Wide x 48" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	499.21 193.00 136.58	11.15
10 71	16 13-0054	EA	20" Wide x 54" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	536.10 206.92 136.58	12.54
10 71	16 13-0055	EA	20" Wide x 60" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	572.98 220.83 136.58	13.93

<b>10</b>	<b>Specialties</b>
<b>10 70</b>	<b>Exterior Specialties</b>
<b>10 71</b>	<b>Exterior Protection</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0056 EA 20" Wide x 66" High, Architectural Aluminum Bahama Shutter.....	608.72	14.56
For Impact Bahama Shutters, Add	234.75	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	136.58	
10 71 16 13-0057 EA 20" Wide x 72" High, Architectural Aluminum Bahama Shutter.....	645.50	15.89
For Impact Bahama Shutters, Add	248.67	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	136.58	
10 71 16 13-0058 EA 20" Wide x 78" High, Architectural Aluminum Bahama Shutter.....	680.99	16.36
For Impact Bahama Shutters, Add	262.59	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	136.58	
10 71 16 13-0059 EA 20" Wide x 84" High, Architectural Aluminum Bahama Shutter.....	717.66	17.61
For Impact Bahama Shutters, Add	276.50	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	136.58	
10 71 16 13-0060 EA 20" Wide x 90" High, Architectural Aluminum Bahama Shutter.....	752.94	17.92
For Impact Bahama Shutters, Add	290.42	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	136.58	
10 71 16 13-0061 EA 24" Wide x 24" High, Architectural Aluminum Bahama Shutter.....	382.13	7.32
For Impact Bahama Shutters, Add	148.46	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	136.58	
10 71 16 13-0062 EA 24" Wide x 30" High, Architectural Aluminum Bahama Shutter.....	426.62	9.15
For Impact Bahama Shutters, Add	165.16	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	136.58	
10 71 16 13-0063 EA 24" Wide x 36" High, Architectural Aluminum Bahama Shutter.....	471.12	10.99
For Impact Bahama Shutters, Add	181.86	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	136.58	
10 71 16 13-0064 EA 24" Wide x 42" High, Architectural Aluminum Bahama Shutter.....	513.97	11.71
For Impact Bahama Shutters, Add	198.56	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	136.58	
10 71 16 13-0065 EA 24" Wide x 48" High, Architectural Aluminum Bahama Shutter.....	558.24	13.39
For Impact Bahama Shutters, Add	215.27	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	136.58	
10 71 16 13-0066 EA 24" Wide x 54" High, Architectural Aluminum Bahama Shutter.....	602.50	15.06
For Impact Bahama Shutters, Add	231.97	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	136.58	
10 71 16 13-0067 EA 24" Wide x 60" High, Architectural Aluminum Bahama Shutter.....	646.75	16.73
For Impact Bahama Shutters, Add	248.67	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	136.58	
10 71 16 13-0068 EA 24" Wide x 66" High, Architectural Aluminum Bahama Shutter.....	689.64	17.49
For Impact Bahama Shutters, Add	265.37	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	136.58	
10 71 16 13-0069 EA 24" Wide x 72" High, Architectural Aluminum Bahama Shutter.....	733.78	19.08
For Impact Bahama Shutters, Add	282.07	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	136.58	
10 71 16 13-0070 EA 24" Wide x 78" High, Architectural Aluminum Bahama Shutter.....	776.37	19.63
For Impact Bahama Shutters, Add	298.78	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	136.58	
10 71 16 13-0071 EA 24" Wide x 84" High, Architectural Aluminum Bahama Shutter.....	820.38	21.14
For Impact Bahama Shutters, Add	315.48	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	136.58	
10 71 16 13-0072 EA 24" Wide x 90" High, Architectural Aluminum Bahama Shutter.....	862.71	21.52
For Impact Bahama Shutters, Add	332.18	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	136.58	
10 71 16 13-0073 EA 28" Wide x 24" High, Architectural Aluminum Bahama Shutter.....	409.96	7.32
For Impact Bahama Shutters, Add	159.59	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	149.35	
10 71 16 13-0074 EA 28" Wide x 30" High, Architectural Aluminum Bahama Shutter.....	463.71	10.68
For Impact Bahama Shutters, Add	179.08	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	149.35	
10 71 16 13-0075 EA 28" Wide x 36" High, Architectural Aluminum Bahama Shutter.....	515.61	12.81
For Impact Bahama Shutters, Add	198.56	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	149.35	
10 71 16 13-0076 EA 28" Wide x 42" High, Architectural Aluminum Bahama Shutter.....	565.60	13.67
For Impact Bahama Shutters, Add	218.05	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	149.35	
10 71 16 13-0077 EA 28" Wide x 48" High, Architectural Aluminum Bahama Shutter.....	617.26	15.61
For Impact Bahama Shutters, Add	237.54	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	149.35	
10 71 16 13-0078 EA 28" Wide x 54" High, Architectural Aluminum Bahama Shutter.....	668.88	17.56
For Impact Bahama Shutters, Add	257.02	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	149.35	
10 71 16 13-0079 EA 28" Wide x 60" High, Architectural Aluminum Bahama Shutter.....	720.52	19.52
For Impact Bahama Shutters, Add	276.50	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	149.35	
10 71 16 13-0080 EA 28" Wide x 66" High, Architectural Aluminum Bahama Shutter.....	770.56	20.40
For Impact Bahama Shutters, Add	295.99	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	149.35	
10 71 16 13-0081 EA 28" Wide x 72" High, Architectural Aluminum Bahama Shutter.....	822.05	22.25
For Impact Bahama Shutters, Add	315.48	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	149.35	
10 71 16 13-0082 EA 28" Wide x 78" High, Architectural Aluminum Bahama Shutter.....	871.73	22.90
For Impact Bahama Shutters, Add	334.96	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	149.35	
10 71 16 13-0083 EA 28" Wide x 84" High, Architectural Aluminum Bahama Shutter.....	923.09	24.66
For Impact Bahama Shutters, Add	354.45	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	149.35	



	<b>Specialties</b>	<b>10</b>
	<b>Exterior Specialties</b>	<b>10 70</b>
	<b>Exterior Protection</b>	<b>10 71</b>

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0084	EA		28" Wide x 90" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	972.47 373.93 149.35	25.10
10 71 16 13-0085	EA		32" Wide x 24" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	441.45 170.73 149.35	9.76
10 71 16 13-0086	EA		32" Wide x 30" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	500.78 193.00 149.35	12.20
10 71 16 13-0087	EA		32" Wide x 36" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	560.12 215.27 149.35	14.64
10 71 16 13-0088	EA		32" Wide x 42" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	617.26 237.54 149.35	15.61
10 71 16 13-0089	EA		32" Wide x 48" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	676.26 259.80 149.35	17.85
10 71 16 13-0090	EA		32" Wide x 54" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	735.28 282.07 149.35	20.08
10 71 16 13-0091	EA		32" Wide x 60" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	794.30 304.34 149.35	22.31
10 71 16 13-0092	EA		32" Wide x 66" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	851.48 326.61 149.35	23.31
10 71 16 13-0093	EA		32" Wide x 72" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	910.33 348.88 149.35	25.44
10 71 16 13-0094	EA		32" Wide x 78" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	967.12 371.15 149.35	26.18
10 71 16 13-0095	EA		32" Wide x 84" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,025.79 393.42 149.35	28.19
10 71 16 13-0096	EA		32" Wide x 90" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,082.24 415.69 149.35	28.69
10 71 16 13-0097	EA		36" Wide x 24" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	471.12 181.86 149.35	10.99
10 71 16 13-0098	EA		36" Wide x 30" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	537.87 206.92 149.35	13.73
10 71 16 13-0099	EA		36" Wide x 36" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	604.61 231.97 149.35	16.47
10 71 16 13-0100	EA		36" Wide x 42" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	668.89 257.02 149.35	17.57
10 71 16 13-0101	EA		36" Wide x 48" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	735.28 282.07 149.35	20.08
10 71 16 13-0102	EA		36" Wide x 54" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	801.68 307.12 149.35	22.59
10 71 16 13-0103	EA		36" Wide x 60" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	868.08 332.18 149.35	25.10
10 71 16 13-0104	EA		36" Wide x 66" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	932.40 357.23 149.35	26.23
10 71 16 13-0105	EA		36" Wide x 72" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	998.60 382.28 149.35	28.61
10 71 16 13-0106	EA		36" Wide x 78" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,062.48 407.34 149.35	29.44
10 71 16 13-0107	EA		36" Wide x 84" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,128.51 432.39 149.35	31.71
10 71 16 13-0108	EA		36" Wide x 90" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,191.99 457.44 149.35	32.28
10 71 16 13-0109			<b>&gt;36" To 60" Wide</b> (1071 16 13-0011)		
10 71 16 13-0110	EA		42" Wide x 24" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	514.07 198.56 162.33	11.78
10 71 16 13-0111	EA		42" Wide x 30" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	591.57 227.79 162.33	14.74

<b>10</b>	<b>Specialties</b>
<b>10 70</b>	<b>Exterior Specialties</b>
<b>10 71</b>	<b>Exterior Protection</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0112 EA 42" Wide x 36" High, Architectural Aluminum Bahama Shutter.....	669.06	17.67
For Impact Bahama Shutters, Add	257.02	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	162.33	
10 71 16 13-0113 EA 42" Wide x 42" High, Architectural Aluminum Bahama Shutter.....	743.89	18.86
For Impact Bahama Shutters, Add	286.25	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	162.33	
10 71 16 13-0114 EA 42" Wide x 48" High, Architectural Aluminum Bahama Shutter.....	821.00	21.55
For Impact Bahama Shutters, Add	315.48	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	162.33	
10 71 16 13-0115 EA 42" Wide x 54" High, Architectural Aluminum Bahama Shutter.....	898.11	24.25
For Impact Bahama Shutters, Add	344.70	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	162.33	
10 71 16 13-0116 EA 42" Wide x 60" High, Architectural Aluminum Bahama Shutter.....	975.22	26.94
For Impact Bahama Shutters, Add	373.93	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	162.33	
10 71 16 13-0117 EA 42" Wide x 66" High, Architectural Aluminum Bahama Shutter.....	1,050.10	28.16
For Impact Bahama Shutters, Add	403.16	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	162.33	
10 71 16 13-0118 EA 42" Wide x 72" High, Architectural Aluminum Bahama Shutter.....	1,127.01	30.71
For Impact Bahama Shutters, Add	432.39	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	162.33	
10 71 16 13-0119 EA 42" Wide x 78" High, Architectural Aluminum Bahama Shutter.....	1,201.43	31.61
For Impact Bahama Shutters, Add	461.62	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	162.33	
10 71 16 13-0120 EA 42" Wide x 84" High, Architectural Aluminum Bahama Shutter.....	1,278.14	34.04
For Impact Bahama Shutters, Add	490.84	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	162.33	
10 71 16 13-0121 EA 42" Wide x 90" High, Architectural Aluminum Bahama Shutter.....	1,352.12	34.65
For Impact Bahama Shutters, Add	520.07	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	162.33	
10 71 16 13-0122 EA 48" Wide x 24" High, Architectural Aluminum Bahama Shutter.....	558.37	13.47
For Impact Bahama Shutters, Add	215.27	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	162.33	
10 71 16 13-0123 EA 48" Wide x 30" High, Architectural Aluminum Bahama Shutter.....	646.91	16.84
For Impact Bahama Shutters, Add	248.67	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	162.33	
10 71 16 13-0124 EA 48" Wide x 36" High, Architectural Aluminum Bahama Shutter.....	735.47	20.20
For Impact Bahama Shutters, Add	282.07	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	162.33	
10 71 16 13-0125 EA 48" Wide x 42" High, Architectural Aluminum Bahama Shutter.....	821.00	21.55
For Impact Bahama Shutters, Add	315.48	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	162.33	
10 71 16 13-0126 EA 48" Wide x 48" High, Architectural Aluminum Bahama Shutter.....	909.13	24.63
For Impact Bahama Shutters, Add	348.88	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	162.33	
10 71 16 13-0127 EA 48" Wide x 54" High, Architectural Aluminum Bahama Shutter.....	997.25	27.71
For Impact Bahama Shutters, Add	382.28	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	162.33	
10 71 16 13-0128 EA 48" Wide x 60" High, Architectural Aluminum Bahama Shutter.....	1,085.38	30.78
For Impact Bahama Shutters, Add	415.69	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	162.33	
10 71 16 13-0129 EA 48" Wide x 66" High, Architectural Aluminum Bahama Shutter.....	1,170.96	32.18
For Impact Bahama Shutters, Add	449.09	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	162.33	
10 71 16 13-0130 EA 48" Wide x 72" High, Architectural Aluminum Bahama Shutter.....	1,258.84	35.09
For Impact Bahama Shutters, Add	482.49	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	162.33	
10 71 16 13-0131 EA 48" Wide x 78" High, Architectural Aluminum Bahama Shutter.....	1,343.90	36.12
For Impact Bahama Shutters, Add	515.90	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	162.33	
10 71 16 13-0132 EA 48" Wide x 84" High, Architectural Aluminum Bahama Shutter.....	1,431.57	38.90
For Impact Bahama Shutters, Add	549.30	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	162.33	
10 71 16 13-0133 EA 48" Wide x 90" High, Architectural Aluminum Bahama Shutter.....	1,516.12	39.60
For Impact Bahama Shutters, Add	582.70	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	162.33	
10 71 16 13-0134 EA 54" Wide x 24" High, Architectural Aluminum Bahama Shutter.....	602.63	15.15
For Impact Bahama Shutters, Add	231.97	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	175.70	
10 71 16 13-0135 EA 54" Wide x 30" High, Architectural Aluminum Bahama Shutter.....	702.26	18.94
For Impact Bahama Shutters, Add	269.55	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	175.70	
10 71 16 13-0136 EA 54" Wide x 36" High, Architectural Aluminum Bahama Shutter.....	801.89	22.73
For Impact Bahama Shutters, Add	307.12	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	175.70	
10 71 16 13-0137 EA 54" Wide x 42" High, Architectural Aluminum Bahama Shutter.....	898.11	24.25
For Impact Bahama Shutters, Add	344.70	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	175.70	
10 71 16 13-0138 EA 54" Wide x 48" High, Architectural Aluminum Bahama Shutter.....	997.25	27.71
For Impact Bahama Shutters, Add	382.28	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	175.70	
10 71 16 13-0139 EA 54" Wide x 54" High, Architectural Aluminum Bahama Shutter.....	1,096.40	31.18
For Impact Bahama Shutters, Add	419.86	
For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	175.70	



<b>Specialties</b>	<b>10</b>
<b>Exterior Specialties</b>	<b>10 70</b>
<b>Exterior Protection</b>	<b>10 71</b>

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71	16 13-0140	EA	54" Wide x 60" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,195.52 457.44 175.70	34.64
10 71	16 13-0141	EA	54" Wide x 66" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,291.81 495.02 175.70	36.19
10 71	16 13-0142	EA	54" Wide x 72" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,390.70 532.60 175.70	39.48
10 71	16 13-0143	EA	54" Wide x 78" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,486.36 570.18 175.70	40.64
10 71	16 13-0144	EA	54" Wide x 84" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,585.00 607.76 175.70	43.76
10 71	16 13-0145	EA	54" Wide x 90" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,680.12 645.34 175.70	44.54
10 71	16 13-0146	EA	54" Wide x 96" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,775.66 682.91 175.70	45.61
10 71	16 13-0147	EA	54" Wide x 102" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,870.98 720.49 175.70	46.52
10 71	16 13-0148	EA	54" Wide x 108" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,966.09 758.07 175.70	47.29
10 71	16 13-0149	EA	54" Wide x 114" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,060.97 795.65 175.70	47.92
10 71	16 13-0150	EA	54" Wide x 120" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,155.68 833.23 175.70	48.43
10 71	16 13-0151	EA	60" Wide x 24" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	646.91 248.67 175.70	16.84
10 71	16 13-0152	EA	60" Wide x 30" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	757.62 290.42 175.70	21.04
10 71	16 13-0153	EA	60" Wide x 36" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	868.31 332.18 175.70	25.26
10 71	16 13-0154	EA	60" Wide x 42" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	975.22 373.93 175.70	26.94
10 71	16 13-0155	EA	60" Wide x 48" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,085.38 415.69 175.70	30.78
10 71	16 13-0156	EA	60" Wide x 54" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,195.52 457.44 175.70	34.64
10 71	16 13-0157	EA	60" Wide x 60" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,305.68 499.20 175.70	38.48
10 71	16 13-0158	EA	60" Wide x 66" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,412.66 540.95 175.70	40.21
10 71	16 13-0159	EA	60" Wide x 72" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,522.53 582.70 175.70	43.87
10 71	16 13-0160	EA	60" Wide x 78" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,628.83 624.46 175.70	45.15
10 71	16 13-0161	EA	60" Wide x 84" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,738.43 666.21 175.70	48.62
10 71	16 13-0162	EA	60" Wide x 90" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,844.12 707.97 175.70	49.49
10 71	16 13-0163	EA	60" Wide x 96" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,950.28 749.72 175.70	50.68
10 71	16 13-0164	EA	60" Wide x 102" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,056.19 791.48 175.70	51.70
10 71	16 13-0165	EA	60" Wide x 108" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,161.85 833.23 175.70	52.55
10 71	16 13-0166	EA	60" Wide x 114" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,267.29 874.98 175.70	53.24
10 71	16 13-0167	EA	60" Wide x 120" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,372.51 916.74 175.70	53.81





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0168			>60" To 90" Wide <small>(10 71 16 13-0011)</small>		
10 71 16 13-0169	EA		66" Wide x 24" High, Architectural Aluminum Bahama Shutter.....	689.80	17.59
			<i>For Impact Bahama Shutters, Add</i>	265.37	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	188.66	
10 71 16 13-0170	EA		66" Wide x 30" High, Architectural Aluminum Bahama Shutter.....	811.22	21.99
			<i>For Impact Bahama Shutters, Add</i>	311.30	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	188.66	
10 71 16 13-0171	EA		66" Wide x 36" High, Architectural Aluminum Bahama Shutter.....	932.65	26.39
			<i>For Impact Bahama Shutters, Add</i>	357.23	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	188.66	
10 71 16 13-0172	EA		66" Wide x 42" High, Architectural Aluminum Bahama Shutter.....	1,050.10	28.16
			<i>For Impact Bahama Shutters, Add</i>	403.16	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	188.66	
10 71 16 13-0173	EA		66" Wide x 48" High, Architectural Aluminum Bahama Shutter.....	1,170.96	32.18
			<i>For Impact Bahama Shutters, Add</i>	449.09	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	188.66	
10 71 16 13-0174	EA		66" Wide x 54" High, Architectural Aluminum Bahama Shutter.....	1,291.81	36.19
			<i>For Impact Bahama Shutters, Add</i>	495.02	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	188.66	
10 71 16 13-0175	EA		66" Wide x 60" High, Architectural Aluminum Bahama Shutter.....	1,412.66	40.21
			<i>For Impact Bahama Shutters, Add</i>	540.95	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	188.66	
10 71 16 13-0176	EA		66" Wide x 66" High, Architectural Aluminum Bahama Shutter.....	1,530.20	42.03
			<i>For Impact Bahama Shutters, Add</i>	586.88	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	188.66	
10 71 16 13-0177	EA		66" Wide x 72" High, Architectural Aluminum Bahama Shutter.....	1,650.75	45.84
			<i>For Impact Bahama Shutters, Add</i>	632.81	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	188.66	
10 71 16 13-0178	EA		66" Wide x 78" High, Architectural Aluminum Bahama Shutter.....	1,767.59	47.18
			<i>For Impact Bahama Shutters, Add</i>	678.74	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	188.66	
10 71 16 13-0179	EA		66" Wide x 84" High, Architectural Aluminum Bahama Shutter.....	1,887.85	50.81
			<i>For Impact Bahama Shutters, Add</i>	724.67	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	188.66	
10 71 16 13-0180	EA		66" Wide x 90" High, Architectural Aluminum Bahama Shutter.....	2,004.03	51.72
			<i>For Impact Bahama Shutters, Add</i>	770.60	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	188.66	
10 71 16 13-0181	EA		66" Wide x 96" High, Architectural Aluminum Bahama Shutter.....	2,120.72	52.96
			<i>For Impact Bahama Shutters, Add</i>	816.53	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	188.66	
10 71 16 13-0182	EA		66" Wide x 102" High, Architectural Aluminum Bahama Shutter.....	2,237.12	54.01
			<i>For Impact Bahama Shutters, Add</i>	862.46	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	188.66	
10 71 16 13-0183	EA		66" Wide x 108" High, Architectural Aluminum Bahama Shutter.....	2,353.29	54.91
			<i>For Impact Bahama Shutters, Add</i>	908.39	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	188.66	
10 71 16 13-0184	EA		66" Wide x 114" High, Architectural Aluminum Bahama Shutter.....	2,469.21	55.64
			<i>For Impact Bahama Shutters, Add</i>	954.32	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	188.66	
10 71 16 13-0185	EA		66" Wide x 120" High, Architectural Aluminum Bahama Shutter.....	2,584.91	56.23
			<i>For Impact Bahama Shutters, Add</i>	1,000.25	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	188.66	
10 71 16 13-0186	EA		72" Wide x 24" High, Architectural Aluminum Bahama Shutter.....	733.95	19.19
			<i>For Impact Bahama Shutters, Add</i>	282.07	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	188.66	
10 71 16 13-0187	EA		72" Wide x 30" High, Architectural Aluminum Bahama Shutter.....	866.42	23.99
			<i>For Impact Bahama Shutters, Add</i>	332.18	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	188.66	
10 71 16 13-0188	EA		72" Wide x 36" High, Architectural Aluminum Bahama Shutter.....	998.87	28.80
			<i>For Impact Bahama Shutters, Add</i>	382.28	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	188.66	
10 71 16 13-0189	EA		72" Wide x 42" High, Architectural Aluminum Bahama Shutter.....	1,127.01	30.71
			<i>For Impact Bahama Shutters, Add</i>	432.39	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	188.66	
10 71 16 13-0190	EA		72" Wide x 48" High, Architectural Aluminum Bahama Shutter.....	1,258.84	35.09
			<i>For Impact Bahama Shutters, Add</i>	482.49	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	188.66	
10 71 16 13-0191	EA		72" Wide x 54" High, Architectural Aluminum Bahama Shutter.....	1,390.70	39.48
			<i>For Impact Bahama Shutters, Add</i>	532.60	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	188.66	
10 71 16 13-0192	EA		72" Wide x 60" High, Architectural Aluminum Bahama Shutter.....	1,522.53	43.87
			<i>For Impact Bahama Shutters, Add</i>	582.70	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	188.66	
10 71 16 13-0193	EA		72" Wide x 66" High, Architectural Aluminum Bahama Shutter.....	1,650.75	45.84
			<i>For Impact Bahama Shutters, Add</i>	632.81	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	188.66	
10 71 16 13-0194	EA		72" Wide x 72" High, Architectural Aluminum Bahama Shutter.....	1,782.27	50.02
			<i>For Impact Bahama Shutters, Add</i>	682.91	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	188.66	
10 71 16 13-0195	EA		72" Wide x 78" High, Architectural Aluminum Bahama Shutter.....	1,919.00	51.47
			<i>For Impact Bahama Shutters, Add</i>	736.73	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	188.66	
10 71 16 13-0196	EA		72" Wide x 84" High, Architectural Aluminum Bahama Shutter.....	2,040.92	55.43
			<i>For Impact Bahama Shutters, Add</i>	783.12	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	188.66	



	<b>Specialties</b>	<b>10</b>
	<b>Exterior Specialties</b>	<b>10 70</b>
	<b>Exterior Protection</b>	<b>10 71</b>

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71	16 13-0197	EA	72" Wide x 90" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,167.66 833.23 188.66	56.42
10 71	16 13-0198	EA	72" Wide x 96" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,294.96 883.34 188.66	57.78
10 71	16 13-0199	EA	72" Wide x 102" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,421.95 933.44 188.66	58.93
10 71	16 13-0200	EA	72" Wide x 108" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,548.67 983.54 188.66	59.90
10 71	16 13-0201	EA	72" Wide x 114" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,675.12 1,033.65 188.66	60.70
10 71	16 13-0202	EA	72" Wide x 120" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,801.35 1,083.76 188.66	61.34
10 71	16 13-0203	EA	78" Wide x 24" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	778.12 298.78 202.42	20.80
10 71	16 13-0204	EA	78" Wide x 30" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	921.61 353.06 202.42	25.99
10 71	16 13-0205	EA	78" Wide x 36" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,065.10 407.34 202.42	31.19
10 71	16 13-0206	EA	78" Wide x 42" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,203.92 461.62 202.42	33.27
10 71	16 13-0207	EA	78" Wide x 48" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,346.74 515.90 202.42	38.02
10 71	16 13-0208	EA	78" Wide x 54" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,489.57 570.18 202.42	42.77
10 71	16 13-0209	EA	78" Wide x 60" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,632.40 624.46 202.42	47.52
10 71	16 13-0210	EA	78" Wide x 66" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,771.31 678.74 202.42	49.66
10 71	16 13-0211	EA	78" Wide x 72" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,913.78 733.02 202.42	54.18
10 71	16 13-0212	EA	78" Wide x 78" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,051.85 787.30 202.42	55.77
10 71	16 13-0213	EA	78" Wide x 84" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,193.98 841.58 202.42	60.05
10 71	16 13-0214	EA	78" Wide x 90" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,331.29 895.86 202.42	61.13
10 71	16 13-0215	EA	78" Wide x 96" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,469.19 950.14 202.42	62.59
10 71	16 13-0216	EA	78" Wide x 102" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,606.76 1,004.42 202.42	63.85
10 71	16 13-0217	EA	78" Wide x 108" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,744.04 1,058.70 202.42	64.89
10 71	16 13-0218	EA	78" Wide x 114" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,881.05 1,112.98 202.42	65.75
10 71	16 13-0219	EA	78" Wide x 120" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,017.79 1,167.26 202.42	66.45
10 71	16 13-0220	EA	84" Wide x 24" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	822.26 315.48 202.42	22.39
10 71	16 13-0221	EA	84" Wide x 30" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	976.80 373.93 202.42	27.99
10 71	16 13-0222	EA	84" Wide x 36" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,131.33 432.39 202.42	33.59
10 71	16 13-0223	EA	84" Wide x 42" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,280.83 490.84 202.42	35.83
10 71	16 13-0224	EA	84" Wide x 48" High, Architectural Aluminum Bahama Shutter <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,434.64 549.30 202.42	40.95

<b>10</b>	<b>Specialties</b>
<b>10 70</b>	<b>Exterior Specialties</b>
<b>10 71</b>	<b>Exterior Protection</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0225 EA 84" Wide x 54" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,588.45 607.76 202.42	46.07
10 71 16 13-0226 EA 84" Wide x 60" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,742.27 666.21 202.42	51.18
10 71 16 13-0227 EA 84" Wide x 66" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,891.86 724.67 202.42	53.49
10 71 16 13-0228 EA 84" Wide x 72" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,045.29 783.12 202.42	58.34
10 71 16 13-0229 EA 84" Wide x 78" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,193.98 841.58 202.42	60.05
10 71 16 13-0230 EA 84" Wide x 84" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,347.05 900.04 202.42	64.67
10 71 16 13-0231 EA 84" Wide x 90" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,494.92 958.49 202.42	65.82
10 71 16 13-0232 EA 84" Wide x 96" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,643.43 1,016.95 202.42	67.40
10 71 16 13-0233 EA 84" Wide x 102" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,791.59 1,075.40 202.42	68.75
10 71 16 13-0234 EA 84" Wide x 108" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,939.42 1,133.86 202.42	69.89
10 71 16 13-0235 EA 84" Wide x 114" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,086.96 1,192.32 202.42	70.81
10 71 16 13-0236 EA 84" Wide x 120" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,234.22 1,250.77 202.42	71.57
10 71 16 13-0237 EA 90" Wide x 24" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	866.42 332.18 216.19	23.99
10 71 16 13-0238 EA 90" Wide x 30" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,031.99 394.81 216.19	29.99
10 71 16 13-0239 EA 90" Wide x 36" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,197.55 457.44 216.19	35.99
10 71 16 13-0240 EA 90" Wide x 42" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,357.73 520.07 216.19	38.39
10 71 16 13-0241 EA 90" Wide x 48" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,522.53 582.70 216.19	43.87
10 71 16 13-0242 EA 90" Wide x 54" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,687.34 645.34 216.19	49.36
10 71 16 13-0243 EA 90" Wide x 60" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,852.14 707.97 216.19	54.84
10 71 16 13-0244 EA 90" Wide x 66" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,012.41 770.60 216.19	57.30
10 71 16 13-0245 EA 90" Wide x 72" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,176.79 833.23 216.19	62.52
10 71 16 13-0246 EA 90" Wide x 78" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,336.11 895.86 216.19	64.34
10 71 16 13-0247 EA 90" Wide x 84" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,500.11 958.49 216.19	69.29
10 71 16 13-0248 EA 90" Wide x 90" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,658.55 1,021.12 216.19	70.52
10 71 16 13-0249 EA 90" Wide x 96" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,817.67 1,083.76 216.19	72.21
10 71 16 13-0250 EA 90" Wide x 102" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,976.40 1,146.38 216.19	73.67
10 71 16 13-0251 EA 90" Wide x 108" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,134.79 1,209.02 216.19	74.87
10 71 16 13-0252 EA 90" Wide x 114" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,292.88 1,271.65 216.19	75.87



<b>Specialties</b>	<b>10</b>
<b>Exterior Specialties</b>	<b>10 70</b>
<b>Exterior Protection</b>	<b>10 71</b>

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0253	EA		90" Wide x 120" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,450.65 1,334.28 216.19	76.68
<b>10 71 16 13-0254</b>			<b>&gt;90" Wide</b> <small>(10 71 16 13-0011)</small>		
10 71 16 13-0255	EA		96" Wide x 24" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	908.65 348.88 216.19	24.31
10 71 16 13-0256	EA		96" Wide x 30" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,084.78 415.69 216.19	30.39
10 71 16 13-0257	EA		96" Wide x 36" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,260.90 482.49 216.19	36.47
10 71 16 13-0258	EA		96" Wide x 42" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,431.57 549.30 216.19	38.90
10 71 16 13-0259	EA		96" Wide x 48" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,606.92 616.11 216.19	44.46
10 71 16 13-0260	EA		96" Wide x 54" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,782.27 682.91 216.19	50.02
10 71 16 13-0261	EA		96" Wide x 60" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,957.61 749.72 216.19	55.57
10 71 16 13-0262	EA		96" Wide x 66" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,128.39 816.53 216.19	58.07
10 71 16 13-0263	EA		96" Wide x 72" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,303.32 883.34 216.19	63.35
10 71 16 13-0264	EA		96" Wide x 78" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,473.10 950.14 216.19	65.20
10 71 16 13-0265	EA		96" Wide x 84" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,647.64 1,016.95 216.19	70.21
10 71 16 13-0266	EA		96" Wide x 90" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,816.53 1,083.76 216.19	71.47
10 71 16 13-0267	EA		96" Wide x 96" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,986.12 1,150.56 216.19	73.18
10 71 16 13-0268	EA		96" Wide x 102" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,155.33 1,217.37 216.19	74.65
10 71 16 13-0269	EA		96" Wide x 108" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,324.20 1,284.18 216.19	75.87
10 71 16 13-0270	EA		96" Wide x 114" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,492.72 1,350.98 216.19	76.88
10 71 16 13-0271	EA		96" Wide x 120" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,660.96 1,417.79 216.19	77.70
10 71 16 13-0272	EA		102" Wide x 24" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	952.68 365.58 231.96	25.83
10 71 16 13-0273	EA		102" Wide x 30" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,139.82 436.56 231.96	32.29
10 71 16 13-0274	EA		102" Wide x 36" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,326.96 507.54 231.96	38.75
10 71 16 13-0275	EA		102" Wide x 42" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,508.28 578.53 231.96	41.33
10 71 16 13-0276	EA		102" Wide x 48" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,694.59 649.51 231.96	47.23
10 71 16 13-0277	EA		102" Wide x 54" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,880.90 720.49 231.96	53.14
10 71 16 13-0278	EA		102" Wide x 60" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,067.21 791.48 231.96	59.04
10 71 16 13-0279	EA		102" Wide x 66" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,248.65 862.46 231.96	61.70
10 71 16 13-0280	EA		102" Wide x 72" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,434.52 933.44 231.96	67.31

<b>10</b>	<b>Specialties</b>
<b>10 70</b>	<b>Exterior Specialties</b>
<b>10 71</b>	<b>Exterior Protection</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0281 EA 102" Wide x 78" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,614.90 1,004.42 231.96	69.28
10 71 16 13-0282 EA 102" Wide x 84" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,800.36 1,075.40 231.96	74.61
10 71 16 13-0283 EA 102" Wide x 90" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,979.80 1,146.38 231.96	75.93
10 71 16 13-0284 EA 102" Wide x 96" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,159.99 1,217.37 231.96	77.76
10 71 16 13-0285 EA 102" Wide x 102" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,339.78 1,288.35 231.96	79.31
10 71 16 13-0286 EA 102" Wide x 108" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,519.20 1,359.33 231.96	80.61
10 71 16 13-0287 EA 102" Wide x 114" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,698.27 1,430.32 231.96	81.70
10 71 16 13-0288 EA 102" Wide x 120" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,877.01 1,501.30 231.96	82.55
10 71 16 13-0289 EA 108" Wide x 24" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	996.72 382.28 231.96	27.35
10 71 16 13-0290 EA 108" Wide x 30" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,194.85 457.44 231.96	34.19
10 71 16 13-0291 EA 108" Wide x 36" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,393.01 532.60 231.96	41.03
10 71 16 13-0292 EA 108" Wide x 42" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,585.00 607.76 231.96	43.76
10 71 16 13-0293 EA 108" Wide x 48" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,782.27 682.91 231.96	50.02
10 71 16 13-0294 EA 108" Wide x 54" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,979.53 758.07 231.96	56.26
10 71 16 13-0295 EA 108" Wide x 60" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,176.79 833.23 231.96	62.52
10 71 16 13-0296 EA 108" Wide x 66" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,368.92 908.39 231.96	65.33
10 71 16 13-0297 EA 108" Wide x 72" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,565.71 983.54 231.96	71.27
10 71 16 13-0298 EA 108" Wide x 78" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,756.72 1,058.70 231.96	73.35
10 71 16 13-0299 EA 108" Wide x 84" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,953.08 1,133.86 231.96	78.99
10 71 16 13-0300 EA 108" Wide x 90" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,143.08 1,209.02 231.96	80.40
10 71 16 13-0301 EA 108" Wide x 96" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,333.88 1,284.18 231.96	82.32
10 71 16 13-0302 EA 108" Wide x 102" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,524.23 1,359.33 231.96	83.97
10 71 16 13-0303 EA 108" Wide x 108" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,714.21 1,434.49 231.96	85.35
10 71 16 13-0304 EA 108" Wide x 114" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,903.80 1,509.65 231.96	86.50
10 71 16 13-0305 EA 108" Wide x 120" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	4,093.06 1,584.80 231.96	87.41
10 71 16 13-0306 EA 114" Wide x 24" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,040.75 398.98 247.72	28.87
10 71 16 13-0307 EA 114" Wide x 30" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,249.91 478.32 247.72	36.09
10 71 16 13-0308 EA 114" Wide x 36" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,459.06 557.65 247.72	43.31



<b>Specialties</b>	<b>10</b>
<b>Exterior Specialties</b>	<b>10 70</b>
<b>Exterior Protection</b>	<b>10 71</b>

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71	16 13-0309	EA	114" Wide x 42" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,661.72 636.98 247.72	46.19
10 71	16 13-0310	EA	114" Wide x 48" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,869.94 716.32 247.72	52.80
10 71	16 13-0311	EA	114" Wide x 54" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,078.17 795.65 247.72	59.39
10 71	16 13-0312	EA	114" Wide x 60" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,286.40 874.98 247.72	65.99
10 71	16 13-0313	EA	114" Wide x 66" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,489.18 954.32 247.72	68.96
10 71	16 13-0314	EA	114" Wide x 72" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,696.91 1,033.65 247.72	75.22
10 71	16 13-0315	EA	114" Wide x 78" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,898.54 1,112.98 247.72	77.42
10 71	16 13-0316	EA	114" Wide x 84" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,105.79 1,192.32 247.72	83.38
10 71	16 13-0317	EA	114" Wide x 90" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,306.36 1,271.65 247.72	84.87
10 71	16 13-0318	EA	114" Wide x 96" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,507.74 1,350.98 247.72	86.90
10 71	16 13-0319	EA	114" Wide x 102" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,708.69 1,430.32 247.72	88.64
10 71	16 13-0320	EA	114" Wide x 108" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,909.21 1,509.65 247.72	90.11
10 71	16 13-0321	EA	114" Wide x 114" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	4,109.33 1,588.98 247.72	91.30
10 71	16 13-0322	EA	114" Wide x 120" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	4,309.11 1,668.31 247.72	92.27
10 71	16 13-0323	EA	120" Wide x 24" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,084.78 415.69 253.46	30.39
10 71	16 13-0324	EA	120" Wide x 30" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,304.94 499.20 253.46	37.99
10 71	16 13-0325	EA	120" Wide x 36" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,525.10 582.70 253.46	45.58
10 71	16 13-0326	EA	120" Wide x 42" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,738.43 666.21 253.46	48.62
10 71	16 13-0327	EA	120" Wide x 48" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,957.61 749.72 253.46	55.57
10 71	16 13-0328	EA	120" Wide x 54" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,176.79 833.23 253.46	62.52
10 71	16 13-0329	EA	120" Wide x 60" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,395.98 916.74 253.46	69.46
10 71	16 13-0330	EA	120" Wide x 66" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,609.45 1,000.25 253.46	72.59
10 71	16 13-0331	EA	120" Wide x 72" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,828.12 1,083.76 253.46	79.19
10 71	16 13-0332	EA	120" Wide x 78" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,040.35 1,167.26 253.46	81.50
10 71	16 13-0333	EA	120" Wide x 84" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,258.52 1,250.77 253.46	87.77
10 71	16 13-0334	EA	120" Wide x 90" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,469.64 1,334.28 253.46	89.33
10 71	16 13-0335	EA	120" Wide x 96" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,681.61 1,417.79 253.46	91.48
10 71	16 13-0336	EA	120" Wide x 102" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,893.13 1,501.30 253.46	93.31

<b>10</b>	<b>Specialties</b>
<b>10 70</b>	<b>Exterior Specialties</b>
<b>10 71</b>	<b>Exterior Protection</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0337	EA		120" Wide x 108" High, Architectural Aluminum Bahama Shutter.....	4,104.20	94.85
			<i>For Impact Bahama Shutters, Add</i>	1,584.80	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	253.46	
10 71 16 13-0338	EA		120" Wide x 114" High, Architectural Aluminum Bahama Shutter.....	4,314.87	96.10
			<i>For Impact Bahama Shutters, Add</i>	1,668.31	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	253.46	
10 71 16 13-0339	EA		120" Wide x 120" High, Architectural Aluminum Bahama Shutter.....	4,525.16	97.11
			<i>For Impact Bahama Shutters, Add</i>	1,751.82	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	253.46	
10 71 16 13-0340	EA		126" Wide x 24" High, Architectural Aluminum Bahama Shutter.....	1,128.81	31.91
			<i>For Impact Bahama Shutters, Add</i>	432.39	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	257.44	
10 71 16 13-0341	EA		126" Wide x 30" High, Architectural Aluminum Bahama Shutter.....	1,359.98	39.88
			<i>For Impact Bahama Shutters, Add</i>	520.07	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	257.44	
10 71 16 13-0342	EA		126" Wide x 36" High, Architectural Aluminum Bahama Shutter.....	1,591.15	47.86
			<i>For Impact Bahama Shutters, Add</i>	607.76	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	257.44	
10 71 16 13-0343	EA		126" Wide x 42" High, Architectural Aluminum Bahama Shutter.....	1,815.14	51.06
			<i>For Impact Bahama Shutters, Add</i>	695.44	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	257.44	
10 71 16 13-0344	EA		126" Wide x 48" High, Architectural Aluminum Bahama Shutter.....	2,045.29	58.34
			<i>For Impact Bahama Shutters, Add</i>	783.12	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	257.44	
10 71 16 13-0345	EA		126" Wide x 54" High, Architectural Aluminum Bahama Shutter.....	2,275.43	65.64
			<i>For Impact Bahama Shutters, Add</i>	870.81	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	257.44	
10 71 16 13-0346	EA		126" Wide x 60" High, Architectural Aluminum Bahama Shutter.....	2,505.58	72.94
			<i>For Impact Bahama Shutters, Add</i>	958.49	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	257.44	
10 71 16 13-0347	EA		126" Wide x 66" High, Architectural Aluminum Bahama Shutter.....	2,729.71	76.21
			<i>For Impact Bahama Shutters, Add</i>	1,046.18	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	257.44	
10 71 16 13-0348	EA		126" Wide x 72" High, Architectural Aluminum Bahama Shutter.....	2,959.31	83.15
			<i>For Impact Bahama Shutters, Add</i>	1,133.86	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	257.44	
10 71 16 13-0349	EA		126" Wide x 78" High, Architectural Aluminum Bahama Shutter.....	3,182.16	85.57
			<i>For Impact Bahama Shutters, Add</i>	1,221.54	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	257.44	
10 71 16 13-0350	EA		126" Wide x 84" High, Architectural Aluminum Bahama Shutter.....	3,411.23	92.16
			<i>For Impact Bahama Shutters, Add</i>	1,309.23	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	257.44	
10 71 16 13-0351	EA		126" Wide x 90" High, Architectural Aluminum Bahama Shutter.....	3,632.91	93.80
			<i>For Impact Bahama Shutters, Add</i>	1,396.91	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	257.44	
10 71 16 13-0352	EA		126" Wide x 96" High, Architectural Aluminum Bahama Shutter.....	3,855.50	96.05
			<i>For Impact Bahama Shutters, Add</i>	1,484.60	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	257.44	
10 71 16 13-0353	EA		126" Wide x 102" High, Architectural Aluminum Bahama Shutter.....	4,077.58	97.97
			<i>For Impact Bahama Shutters, Add</i>	1,572.28	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	257.44	
10 71 16 13-0354	EA		126" Wide x 108" High, Architectural Aluminum Bahama Shutter.....	4,299.21	99.59
			<i>For Impact Bahama Shutters, Add</i>	1,659.96	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	257.44	
10 71 16 13-0355	EA		126" Wide x 114" High, Architectural Aluminum Bahama Shutter.....	4,520.41	100.92
			<i>For Impact Bahama Shutters, Add</i>	1,747.65	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	257.44	
10 71 16 13-0356	EA		126" Wide x 120" High, Architectural Aluminum Bahama Shutter.....	4,741.22	101.98
			<i>For Impact Bahama Shutters, Add</i>	1,835.33	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	257.44	
10 71 16 13-0357	EA		132" Wide x 24" High, Architectural Aluminum Bahama Shutter.....	1,172.85	33.42
			<i>For Impact Bahama Shutters, Add</i>	449.09	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	257.44	
10 71 16 13-0358	EA		132" Wide x 30" High, Architectural Aluminum Bahama Shutter.....	1,415.02	41.79
			<i>For Impact Bahama Shutters, Add</i>	540.95	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	257.44	
10 71 16 13-0359	EA		132" Wide x 36" High, Architectural Aluminum Bahama Shutter.....	1,657.20	50.14
			<i>For Impact Bahama Shutters, Add</i>	632.81	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	257.44	
10 71 16 13-0360	EA		132" Wide x 42" High, Architectural Aluminum Bahama Shutter.....	1,891.86	53.49
			<i>For Impact Bahama Shutters, Add</i>	724.67	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	257.44	
10 71 16 13-0361	EA		132" Wide x 48" High, Architectural Aluminum Bahama Shutter.....	2,132.96	61.13
			<i>For Impact Bahama Shutters, Add</i>	816.53	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	257.44	
10 71 16 13-0362	EA		132" Wide x 54" High, Architectural Aluminum Bahama Shutter.....	2,374.07	68.76
			<i>For Impact Bahama Shutters, Add</i>	908.39	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	257.44	
10 71 16 13-0363	EA		132" Wide x 60" High, Architectural Aluminum Bahama Shutter.....	2,615.17	76.41
			<i>For Impact Bahama Shutters, Add</i>	1,000.25	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	257.44	
10 71 16 13-0364	EA		132" Wide x 66" High, Architectural Aluminum Bahama Shutter.....	2,849.97	79.85
			<i>For Impact Bahama Shutters, Add</i>	1,092.10	
			<i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	257.44	



	<b>Specialties</b>	<b>10</b>
	<b>Exterior Specialties</b>	<b>10 70</b>
	<b>Exterior Protection</b>	<b>10 71</b>

10

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71	16 13-0365	EA	132" Wide x 72" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,090.51 1,183.96 257.44	87.11
10 71	16 13-0366	EA	132" Wide x 78" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,323.96 1,275.82 257.44	89.65
10 71	16 13-0367	EA	132" Wide x 84" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,563.96 1,367.68 257.44	96.55
10 71	16 13-0368	EA	132" Wide x 90" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,796.18 1,459.54 257.44	98.27
10 71	16 13-0369	EA	132" Wide x 96" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	4,029.36 1,551.40 257.44	100.63
10 71	16 13-0370	EA	132" Wide x 102" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	4,262.03 1,643.26 257.44	102.64
10 71	16 13-0371	EA	132" Wide x 108" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	4,494.21 1,735.12 257.44	104.33
10 71	16 13-0372	EA	132" Wide x 114" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	4,725.95 1,826.98 257.44	105.72
10 71	16 13-0373	EA	132" Wide x 120" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	4,957.27 1,918.84 257.44 263.43	106.83
10 71	16 13-0374	EA	138" Wide x 24" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,216.88 465.79 263.43	34.95
10 71	16 13-0375	EA	138" Wide x 30" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,470.06 561.83 263.43	43.69
10 71	16 13-0376	EA	138" Wide x 36" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,723.24 657.86 263.43	52.43
10 71	16 13-0377	EA	138" Wide x 42" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,968.57 753.90 263.43	55.92
10 71	16 13-0378	EA	138" Wide x 48" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,220.64 849.93 263.43	63.91
10 71	16 13-0379	EA	138" Wide x 54" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,472.70 945.96 263.43	71.90
10 71	16 13-0380	EA	138" Wide x 60" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,724.77 1,042.00 263.43	79.88
10 71	16 13-0381	EA	138" Wide x 66" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,970.25 1,138.04 263.43	83.48
10 71	16 13-0382	EA	138" Wide x 72" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,221.70 1,234.07 263.43	91.06
10 71	16 13-0383	EA	138" Wide x 78" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,465.77 1,330.10 263.43	93.72
10 71	16 13-0384	EA	138" Wide x 84" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,716.67 1,426.14 263.43	100.94
10 71	16 13-0385	EA	138" Wide x 90" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,959.46 1,522.18 263.43	102.73
10 71	16 13-0386	EA	138" Wide x 96" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	4,203.24 1,618.21 263.43	105.19
10 71	16 13-0387	EA	138" Wide x 102" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	4,446.49 1,714.24 263.43	107.31
10 71	16 13-0388	EA	138" Wide x 108" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	4,689.23 1,810.28 263.43	109.07
10 71	16 13-0389	EA	138" Wide x 114" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	4,931.48 1,906.31 263.43	110.52
10 71	16 13-0390	EA	138" Wide x 120" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	5,173.32 2,002.35 263.43	111.69
10 71	16 13-0391	EA	144" Wide x 24" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,260.90 482.49 263.43	36.47
10 71	16 13-0392	EA	144" Wide x 30" High, Architectural Aluminum Bahama Shutter ..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,525.10 582.70 263.43	45.58





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0393 EA 144" Wide x 36" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	1,789.30 682.91 263.43	54.70
10 71 16 13-0394 EA 144" Wide x 42" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,045.29 783.12 263.43	58.34
10 71 16 13-0395 EA 144" Wide x 48" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,308.32 883.34 263.43	66.68
10 71 16 13-0396 EA 144" Wide x 54" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,571.33 983.54 263.43	75.02
10 71 16 13-0397 EA 144" Wide x 60" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	2,834.36 1,083.76 263.43	83.36
10 71 16 13-0398 EA 144" Wide x 66" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,090.51 1,183.96 263.43	87.11
10 71 16 13-0399 EA 144" Wide x 72" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,352.90 1,284.18 263.43	95.02
10 71 16 13-0400 EA 144" Wide x 78" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,607.58 1,384.38 263.43	97.79
10 71 16 13-0401 EA 144" Wide x 84" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	3,869.39 1,484.60 263.43	105.32
10 71 16 13-0402 EA 144" Wide x 90" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	4,122.73 1,584.80 263.43	107.20
10 71 16 13-0403 EA 144" Wide x 96" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	4,377.12 1,685.02 263.43	109.77
10 71 16 13-0404 EA 144" Wide x 102" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	4,630.92 1,785.22 263.43	111.96
10 71 16 13-0405 EA 144" Wide x 108" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	4,884.23 1,885.44 263.43	113.81
10 71 16 13-0406 EA 144" Wide x 114" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	5,137.02 1,985.65 263.43	115.33
10 71 16 13-0407 EA 144" Wide x 120" High, Architectural Aluminum Bahama Shutter..... <i>For Impact Bahama Shutters, Add</i> <i>For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add</i>	5,389.37 2,085.86 263.43	116.54
<b>10 71 16 13-0408 Shutter Accessories</b> <small>(10 71 16 13)</small>		
<b>10 71 16 13-0409 Shutter Build-Out</b> <small>(10 71 16 13-0408)</small>		
10 71 16 13-0410 LF 2' x 3' Hurricane Shutter Buildout.....	8.27	1.79
10 71 16 13-0411 LF 2' x 5' Hurricane Shutter Buildout.....	9.79	1.79
<b>10 71 16 13-0412 Storm Panel Track</b> <small>(10 71 16 13-0408)</small>		
10 71 16 13-0413 LF H-Header Storm Panel Track.....	7.43	1.79
10 71 16 13-0414 LF F-Header Storm Panel Track.....	7.10	1.79
10 71 16 13-0415 LF U-Header Storm Panel Track.....	7.43	1.79
10 71 16 13-0416 LF Stud Angle Storm Panel Track.....	7.77	1.79
10 71 16 13-0417 LF Clip Sill Storm Panel Track.....	6.08	1.79
<b>10 71 16 13-0418 Exeter Storm Shield</b> <small>(10 71 16 13)</small>		
<b>10 71 16 13-0419 Aluminum Framed Panels With Stainless Steel Barrier Membrane</b> <small>(10 71 16 13-0418)</small> Note: Frame to meet ASTM E1886/E1996 Level "E" requirements. Frame finish to be anodized aluminum, bronze or white.		
<b>10 71 16 13-0420 Operable Panels</b> <small>(10 71 16 13-0419)</small> Note: Price per panel, not by window size.		
10 71 16 13-0421 SF Up to 7.5 SF Operable Panel..... Note: Installed in concrete block, concrete, wood or steel framing.	71.17	
<i>For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add</i>	5.00	
<i>For &lt;10 Panels, Add</i>	23.07	
10 71 16 13-0422 SF >7.5 To 12 SF Operable Panel..... Note: Installed in concrete block, concrete, wood or steel framing.	60.30	
<i>For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add</i>	5.00	
<i>For &lt;10 Panels, Add</i>	11.08	
10 71 16 13-0423 SF >12 To 17.5 SF Operable Panel..... Note: Installed in concrete block, concrete, wood or steel framing.	56.82	
<i>For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add</i>	5.00	
<i>For &lt;10 Panels, Add</i>	5.97	



<b>Specialties</b>	<b>10</b>	<b>10</b>
Exterior Specialties	10 70	
Exterior Protection	10 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0424 SF >17.5 To 24 SF Operable Panel ..... 53.91 Note: Installed in concrete block, concrete, wood or steel framing. For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add 5.00 For <10 Panels, Add 5.76		
10 71 16 13-0425 SF >24 SF Operable Panel ..... 48.21 Note: Installed in concrete block, concrete, wood or steel framing. For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add 5.00 For <10 Panels, Add 5.07		
<b>10 71 16 13-0426 Operable Panel Options</b> (10 71 16 13-0419) Note: Tasks to be added per panel.		
10 71 16 13-0427 EA For Side Hinge, Add Per Panel ..... 72.26		
10 71 16 13-0428 EA For Top Hinge, Add Per Panel ..... 24.86		
10 71 16 13-0429 EA For Bahama Unit, Add Per Panel ..... 97.92		
10 71 16 13-0430 EA For External Keylocks, Add Per Panel ..... 97.55		
10 71 16 13-0431 EA For Security Egress Option, Add Per Panel ..... 46.47		
<b>10 71 16 13-0432 Fixed Panel</b> (10 71 16 13-0419) Note: Price per panel, not by window size.		
10 71 16 13-0433 SF Up to 7.5 SF Fixed Panel ..... 72.38 Note: Installed in concrete block, concrete, wood or steel framing. For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add 5.00 For <10 Panels, Add 23.68		
10 71 16 13-0434 SF >7.5 To 12 SF Fixed Panel ..... 61.23 Note: Installed in concrete block, concrete, wood or steel framing. For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add 5.00 For <10 Panels, Add 11.36		
10 71 16 13-0435 SF >12 To 17.5 SF Fixed Panel ..... 57.58 Note: Installed in concrete block, concrete, wood or steel framing. For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add 5.00 For <10 Panels, Add 6.10		
10 71 16 13-0436 SF >17.5 To 24 SF Fixed Panel ..... 54.49 Note: Installed in concrete block, concrete, wood or steel framing. For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add 5.00 For <10 Panels, Add 5.86		
10 71 16 13-0437 SF >24 SF Fixed Panel ..... 48.69 Note: Installed in concrete block, concrete, wood or steel framing. For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add 5.00 For <10 Panels, Add 5.16		
<b>10 71 16 16 Movable Storm Panels</b> (10 71 16)		
10 71 16 16-0001 Roll-Up Shutters (10 71 16 16)		
10 71 16 16-0002 Shutters (10 71 16 16-0001)		
10 71 16 16-0003 SF Hurricane Roll-Up Automatic Shutter ..... 44.18		1.79
<b>10 71 16 16-0004 Motors And Accessories</b> (10 71 16 16-0001)		
10 71 16 16-0005 EA Roll-Up Shutter Tubular Motor, 120 Volt, 60 Hertz, Actual Lift 49 LB ..... 475.88		
10 71 16 16-0006 EA Roll-Up Shutter Tubular Motor, 120 Volt, 60 Hertz, Actual Lift 110 LB ..... 515.85		
10 71 16 16-0007 EA Roll-Up Shutter Tubular Motor, 120 Volt, 60 Hertz, Actual Lift 215 LB ..... 547.12		
10 71 16 16-0008 EA Roll-Up Shutter Tubular Motor, 120 Volt, 60 Hertz, Actual Lift 261 LB ..... 574.71		
10 71 16 16-0009 EA Roll-Up Shutter Tubular Motor, 120 Volt, 60 Hertz, Actual Lift 369 LB ..... 651.75		
<b>10 73 Protective Covers</b> (10 70)		
<b>10 73 13 Awnings</b> (10 73)		
<b>10 73 13 13 Metal Awnings</b> (10 73 13)		
10 73 13 13-0001 Metal Awnings (10 73 13 13) Note: Includes metal cover, frame supports and anchoring.		
10 73 13 13-0002 SF Ribbed Aluminum Window Awnings, Clear Weather Resistant Finish ..... 40.40		5.10
10 73 13 13-0003 SF Ribbed Aluminum Window Awning, Baked Enamel Finish ..... 35.75		4.57
10 73 13 13-0004 SF Flat Roofed Steel Awning (Per SF Of Covered Area) ..... 100.88		5.30
10 73 13 13-0005 SF Arched Roofed Steel Awning (Per SF Of Covered Area) ..... 104.18		5.96
<b>10 73 13 23 Fabric Awnings</b> (10 73 13)		
10 73 13 23-0001 Canvas Awnings (10 73 13 23) Note: Includes minimum 12 oz. canvas, frame supports and anchoring.		
10 73 13 23-0002 SF Canvas Awning, Waterproof Fabric Tubular Metal Framing ..... 36.19		3.06
For 18 Oz. Vinyl Laminated Polyester Cover, Add 1.47		
10 73 13 23-0003 SF Side Protection Canvas For Walkways (Per SF Of Wall Area) ..... 21.01		0.99
For 18 Oz. Vinyl Laminated Polyester Cover, Add 0.90		
10 73 13 23-0004 SF Replacement Canvas For Awnings ..... 13.78		
Note: Includes removal of existing canvas cover.		
For 18 Oz. Vinyl Laminated Polyester Cover, Add 0.53		



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

### 10 73 16 Canopies (10 73)

#### 10 73 16 13 Metal Canopies (10 73 16)

##### 10 73 16 13-0001 Canopies, Wall Hung, Aluminum Framed And Covered, Prefinished (10 73 16 13)

Note: Includes cover, frame supports and anchoring.

10 73 16 13-0002	EA	8' x 10' Canopy, Aluminum, Wall Hung	3,655.83	277.47
10 73 16 13-0003	EA	8' x 20' Canopy, Aluminum, Wall Hung	6,774.44	444.06
10 73 16 13-0004	EA	10' x 10' Canopy, Aluminum, Wall Hung	4,500.98	347.17
10 73 16 13-0005	EA	10' x 20' Canopy, Aluminum, Wall Hung	8,234.95	464.24

### 10 73 26 Walkway Coverings (10 73)

Note: Pre-engineered includes all framing and steel supports, integral gutter system. Excludes foundations.

#### 10 73 26 13 Metal Walkway Coverings (10 73 26)

##### 10 73 26 13-0001 Steel Walkway/Parking Covers (10 73 26 13)

Note: Factory applied polyester finish.

10 73 26 13-0002	SF	Flat Roofed Steel Walkway/Parking Cover	49.85	3.83
		Note: Includes factory applied polyester finish.		
		For Snow Load (30 PSF), Add	16.87	
		For Wind Load (140 MPH), Add	21.09	
10 73 26 13-0003	SF	Arch Roofed Steel Walkway/Parking Cover	53.07	4.13
		Note: Includes factory applied polyester finish.		
		For Snow Load (30 PSF), Add	17.92	
		For Wind Load (140 MPH), Add	22.41	

##### 10 73 26 13-0004 Aluminum Walkway/Parking Covers (10 73 26 13)

10 73 26 13-0005	SF	Flat Roofed Aluminum Walkway/Parking Cover	34.89	3.83
		Note: Includes factory applied polyester finish.		
		For Snow Load (30 PSF), Add	10.89	
		For Wind Load (140 MPH), Add	13.61	
10 73 26 13-0006	SF	Arch Roofed Aluminum Walkway/Parking Cover	37.95	4.13
		Note: Includes factory applied polyester finish.		
		For Snow Load (30 PSF), Add	11.88	
		For Wind Load (140 MPH), Add	14.85	

### 10 75 Flagpoles (10 75)

Note: Metal bases are installed in a concrete base and fully rigged. Heights indicated are from ground to top of installed flag pole. Uninstalled lengths are longer. Includes top ball (color and material similar to pole), cleats and cleat cover, all caulking and sealants, and hoisting into place. Excludes excavation and concrete. See CSI section 10 75 16 00-0021 for bases.

#### 10 75 16 Ground-Set Flagpoles (10 75)

##### 10 75 16 00-0001 Free Standing Tapered Fiberglass Flagpoles (10 75 16)

10 75 16 00-0002	EA	25' Exposed Height, Tapered White Fiberglass Flagpole	2,034.08	420.93
		Note: 6" butt diameter, 3" top diameter and 0.180" wall.		
		For Internal Halyard, Cam System, Add	300.00	
		For Bronze Finish, Add	20.00	
		For Rope Lock Box, Add	96.00	
10 75 16 00-0003	EA	30' Exposed Height, Tapered White Fiberglass Flagpole	2,170.73	459.19
		Note: 6-1/2" butt diameter, 3" top diameter and 0.180" wall.		
		For Internal Halyard, Cam System, Add	300.00	
		For Bronze Finish, Add	50.00	
		For Rope Lock Box, Add	96.00	
10 75 16 00-0004	EA	35' Exposed Height, Tapered White Fiberglass Flagpole	2,747.38	535.71
		Note: 7" butt diameter, 3" top diameter and 0.200" wall.		
		For Internal Halyard, Cam System, Add	300.00	
		For Bronze Finish, Add	10.00	
		For Rope Lock Box, Add	96.00	
10 75 16 00-0005	EA	40' Exposed Height, Tapered White Fiberglass Flagpole	3,191.52	612.37
		Note: 7" butt diameter, 3" top diameter and 0.200" wall.		
		For Internal Halyard, Cam System, Add	300.00	
		For Bronze Finish, Add	50.00	
		For Rope Lock Box, Add	96.00	
10 75 16 00-0006	EA	50' Exposed Height, Tapered White Fiberglass Flagpole	6,080.91	688.88
		Note: 10" butt diameter, 4-1/2" top diameter and 0.275" wall.		
		For Internal Halyard, Winch System, Add	1,700.00	
		For Bronze Finish, Add	200.00	
		For Rope Lock Box, Add	96.00	
10 75 16 00-0007	EA	60' Exposed Height, Tapered White Fiberglass Flagpole	7,257.91	765.31
		Note: 10-1/2" butt diameter, 4-1/2" top diameter and 0.300" wall.		
		For Internal Halyard, Winch System, Add	1,900.00	
		For Bronze Finish, Add	160.00	
		For Rope Lock Box, Add	96.00	
10 75 16 00-0008	EA	70' Exposed Height, Tapered White Fiberglass Flagpole	12,668.59	842.10
		Note: 16" butt diameter, 7" top diameter and 0.325" wall.		
		For Internal Halyard, Winch System, Add	2,860.00	
		For Bronze Finish, Add	700.00	
		For Rope Lock Box, Add	96.00	



<b>Specialties</b>	<b>10</b>
<b>Exterior Specialties</b>	<b>10 70</b>
<b>Flagpoles</b>	<b>10 75</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0009 EA 78' Exposed Height, Tapered White Fiberglass Flagpole ..... Note: 10-3/4" butt diameter, 7" top diameter and 0.350" wall. For Internal Halyard, Winch System, Add For Bronze Finish, Add For Rope Lock Box, Add	16,474.04 2,900.00 900.00 96.00	918.37
<b>10 75 16 00-0010 Free Standing Tapered Aluminum Flagpoles (10 75 16)</b> Note: Heavy duty.		
10 75 16 00-0011 EA 20' Exposed Height, Tapered Satin Aluminum Flagpole ..... Note: 5" butt diameter, 3" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	1,445.09 570.00 150.00 180.00 230.00 96.00	382.76
10 75 16 00-0012 EA 25' Exposed Height, Tapered Satin Aluminum Flagpole ..... Note: 5-1/2" butt diameter, 3-1/2" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	1,713.83 1,100.00 200.00 230.00 320.00 96.00	420.93
10 75 16 00-0013 EA 30' Exposed Height, Tapered Satin Aluminum Flagpole ..... Note: 6" butt diameter, 3-1/2" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	1,900.83 1,390.00 240.00 290.00 400.00 96.00	459.19
10 75 16 00-0014 EA 35' Exposed Height, Tapered Satin Aluminum Flagpole ..... Note: 7" butt diameter, 3-1/2" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	2,405.68 1,340.00 290.00 360.00 480.00 96.00	535.71
10 75 16 00-0015 EA 40' Exposed Height, Tapered Satin Aluminum Flagpole ..... Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	2,965.05 1,490.00 390.00 480.00 660.00 96.00	612.37
10 75 16 00-0016 EA 45' Exposed Height, Tapered Satin Aluminum Flagpole ..... Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	3,277.17 1,340.00 400.00 500.00 700.00 96.00	650.61
10 75 16 00-0017 EA 50' Exposed Height, Tapered Satin Aluminum Flagpole ..... Note: 10" butt diameter, 4" top diameter and 0.188" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	4,096.18 1,380.00 700.00 860.00 1,130.00 96.00	688.88
10 75 16 00-0018 EA 60' Exposed Height, Tapered Satin Aluminum Flagpole ..... Note: 12" butt diameter, 4" top diameter and 0.250" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	6,949.16 1,800.00 620.00 820.00 1,160.00 96.00	765.31
10 75 16 00-0019 EA 70' Exposed Height, Tapered Satin Aluminum Flagpole ..... Note: 12" butt diameter, 4" top diameter and 0.250" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	7,606.10 1,720.00 710.00 950.00 1,360.00 96.00	842.10
10 75 16 00-0020 EA 80' Exposed Height, Tapered Satin Aluminum Flagpole ..... Note: 12" butt diameter, 4" top diameter and 0.375" wall. For Internal Halyard, Winch System, Add For Clear Anodized Finish, Add For Bronze Anodized Finish, Add For Black Anodized Finish, Add For Rope Lock Box, Add	9,488.82 2,600.00 1,100.00 1,380.00 1,840.00 96.00	918.37
10 75 16 00-0021 <b>Flagpole Bases (10 75 16)</b>		
10 75 16 00-0022 <b>Flagpole Concrete Base (10 75 16 00-0021)</b> Note: Includes excavation, forms where necessary, steel casing and reinforcing, metal collar installation, base plate, sand fill, ground spike, concrete and finishing of concrete.		
10 75 16 00-0023 EA 30' Or Less Flagpole, Poured Concrete Foundation .....	750.85	

<b>10</b>	<b>Specialties</b>
<b>10 70</b>	<b>Exterior Specialties</b>
<b>10 75</b>	<b>Flagpoles</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0024	EA		35' Flagpole, Poured Concrete Foundation.....	781.02	
10 75 16 00-0025	EA		40' Flagpole, Poured Concrete Foundation.....	892.45	
10 75 16 00-0026	EA		45' Flagpole, Poured Concrete Foundation.....	946.07	
10 75 16 00-0027	EA		50' Flagpole, Poured Concrete Foundation.....	1,135.30	
10 75 16 00-0028	EA		60' Flagpole, Poured Concrete Foundation.....	1,370.97	
10 75 16 00-0029	EA		70' Flagpole, Poured Concrete Foundation.....	1,639.39	
10 75 16 00-0030	EA		80' Flagpole, Poured Concrete Foundation.....	1,921.60	
10 75 16 00-0031	EA		90' To 100' Flagpole, Poured Concrete Foundation.....	2,261.17	
<b>10 75 16 00-0032</b>			<b>Direct Embedded Flagpole Base</b> <small>(10 75 16 00-0021)</small>		
			Note: Augured in place, no concrete required.		
10 75 16 00-0033	EA		20' To 25' Flagpole, Direct Embedded Pole Base.....	462.54	
10 75 16 00-0034	EA		30' To 40' Flagpole, Direct Embedded Pole Base.....	663.54	
10 75 16 00-0035	EA		45' To 55' Flagpole, Direct Embedded Pole Base.....	741.64	
10 75 16 00-0036	EA		60' To 70' Flagpole, Direct Embedded Pole Base.....	833.88	
<b>10 75 16 00-0037</b>			<b>Flagpole Accessories</b> <small>(10 75 16)</small>		
<b>10 75 16 00-0038</b>			<b>Flagpole Tops</b> <small>(10 75 16 00-0037)</small>		
			Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.		
10 75 16 00-0039	EA		4" Gold Anodized Aluminum Ball For Top Of Flagpole.....	48.66	16.70
10 75 16 00-0040	EA		5" Gold Anodized Aluminum Ball For Top Of Flagpole.....	53.35	17.68
10 75 16 00-0041	EA		6" Gold Anodized Aluminum Ball For Top Of Flagpole.....	60.21	18.66
10 75 16 00-0042	EA		8" Gold Anodized Aluminum Ball For Top Of Flagpole.....	80.70	19.65
10 75 16 00-0043	EA		10" Gold Anodized Aluminum Ball For Top Of Flagpole.....	108.82	20.63
10 75 16 00-0044	EA		12" Gold Anodized Aluminum Ball For Top Of Flagpole.....	122.23	21.61
10 75 16 00-0045	EA		11-1/4" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish.....	110.79	21.61
10 75 16 00-0046	EA		15" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish.....	129.21	24.56
<b>10 75 16 00-0047</b>			<b>Flagpole Accessories</b> <small>(10 75 16 00-0037)</small>		
			Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.		
10 75 16 00-0048	LF		5/16" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles.....	0.76	0.03
10 75 16 00-0049	LF		5/16" Diameter, Solid Braided Multifilament Polypropylene Halyard (Rope) For Flagpoles.....	0.36	0.03
10 75 16 00-0050	LF		5/16" Diameter, Nylon Halyard (Rope) For Flagpoles.....	0.27	0.03
10 75 16 00-0051	LF		3/8" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles.....	1.02	0.03
10 75 16 00-0052	EA		Refinish Existing Flagpole Ball.....	175.04	49.08
10 75 16 00-0053	EA		Locking Aluminum Cleat Box For Flagpoles.....	126.48	29.45
10 75 16 00-0054	EA		Aluminum Cleat For Flagpoles.....	10.85	1.96
10 75 16 00-0055	LF		1/8" Diameter, 7x7 Galvanized Wire Rope For Flagpoles.....	0.62	0.06
<b>10 75 23</b>			<b>Wall-Mounted Flagpoles</b> <small>(10 75)</small>		
<b>10 75 23 00-0001</b>			<b>Vertical, Wall/Roof Mounted Tapered Aluminum Flagpoles</b> <small>(10 75 23)</small>		
			Note: Includes aluminum brackets, 3" butt diameter and 0.125" wall.		
10 75 23 00-0002	EA		14' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole, Satin Finish.....	981.98	335.72
			<i>For Rope Lock Box, Add</i>	96.00	
10 75 23 00-0003	EA		17' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole, Satin Finish.....	1,065.48	369.28
			<i>For Rope Lock Box, Add</i>	96.00	
10 75 23 00-0004	EA		20' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole, Satin Finish.....	1,154.41	402.86
			<i>For Rope Lock Box, Add</i>	96.00	
10 75 23 00-0005	EA		25' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole, Satin Finish.....	1,337.73	470.01
			<i>For Rope Lock Box, Add</i>	96.00	
<b>10 75 23 00-0006</b>			<b>Outrigger, Wall Mounted Tapered Aluminum Flagpoles</b> <small>(10 75 23)</small>		
			Note: Includes aluminum base, 3-1/2" butt diameter and 0.125" wall.		
10 75 23 00-0007	EA		10' Aluminum Outrigger Flagpole, Wall Mounted, Including Base.....	1,279.88	302.15
			<i>For Rope Lock Box, Add</i>	96.00	
10 75 23 00-0008	EA		15' Aluminum Outrigger Flagpole, Wall Mounted, Including Base.....	1,379.71	335.72
			<i>For Rope Lock Box, Add</i>	96.00	
10 75 23 00-0009	EA		20' Aluminum Outrigger Flagpole, Wall Mounted, Including Base.....	1,535.79	402.86
			<i>For Rope Lock Box, Add</i>	96.00	
<b>10 80</b>			<b>Other Specialties</b> <small>(10)</small>		
<b>10 81</b>			<b>Pest Control Devices</b> <small>(10 80)</small>		
<b>10 81 13</b>			<b>Bird Control Devices</b> <small>(10 81)</small>		
<b>10 81 13 00-0001</b>			<b>Stainless Steel Spiked Bird Barrier</b> <small>(10 81 13)</small>		
			Note: Stainless steel spikes with flexible polycarbonate base.		
10 81 13 00-0002	LF		2-1/2" To 3" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System.....	5.43	0.31
10 81 13 00-0003	LF		4-1/2" To 5" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System.....	6.56	0.31
10 81 13 00-0004	LF		8" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System.....	9.81	0.31
<b>10 81 13 00-0005</b>			<b>Polycarbonate Spiked Bird Barrier</b> <small>(10 81 13)</small>		
			Note: Polycarbonate spikes and base.		



<b>Specialties</b>	<b>10</b>	<b>10</b>
Other Specialties	10 80	
Pest Control Devices	10 81	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 81 13 00-0006 LF 3" Wide Polycarbonate Spikes And Base Bird Deterrent System .....	4.97	0.31
10 81 13 00-0007 LF 5" Wide Polycarbonate Spikes And Base Bird Deterrent System .....	6.03	0.31
10 81 13 00-0008 LF 8" Wide Polycarbonate Spikes And Base Bird Deterrent System .....	7.15	0.31
<b>10 81 13 00-0009 Spiked Gutter Or Girder Bird Barrier</b> <small>(10 81 13)</small> Note: Stainless steel spikes with flexible polycarbonate base mounted to gutter or girder. Includes aluminum clamps.		
10 81 13 00-0010 LF Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System For Gutter Or Girder Application .....	5.92	0.31
<b>10 81 13 00-0011 Coil Bird Barrier</b> <small>(10 81 13)</small> Note: Stainless steel coil.		
10 81 13 00-0012 LF 4" Diameter Stainless Steel Coil Bird Deterrent System .....	3.92	0.31
10 81 13 00-0013 LF 5" Diameter Stainless Steel Coil Bird Deterrent System .....	4.73	0.31
<b>10 81 13 00-0014 Spider Bird Barrier</b> <small>(10 81 13)</small> Note: Stainless steel arms with various bases.		
10 81 13 00-0015 EA 2" Diameter Stainless Steel Spider Bird Deterrent System .....	61.68	0.31
10 81 13 00-0016 EA 4" Diameter Stainless Steel Spider Bird Deterrent System .....	93.77	0.31
10 81 13 00-0017 EA 8" Diameter Stainless Steel Spider Bird Deterrent System .....	120.41	0.31
<b>10 81 13 00-0018 Oriented Flexible Flame-resistant Netting</b> <small>(10 81 13)</small> Note: Includes stainless steel rings and plastic ties.		
10 81 13 00-0019 SF 1/8" x 1/8" Mesh Flexible Polypropylene Netting .....	0.43	0.16
Note: To control bird and marine predators.		
10 81 13 00-0020 SF 1/4" x 1/4" Mesh Flexible Polypropylene Netting .....	0.42	0.16
Note: To control bird and marine predators.		
10 81 13 00-0021 SF 1/2" x 1/2" Mesh Flexible Polypropylene Netting .....	0.40	0.16
Note: To control bird and marine predators.		
10 81 13 00-0022 SF 3/4" x 3/4" Mesh Flexible Polypropylene Netting .....	0.39	0.16
Note: To control bird and marine predators.		
10 81 13 00-0023 SF 1" x 1" Mesh Flexible Polypropylene Netting .....	0.39	0.16
Note: To control bird and marine predators.		
10 81 13 00-0024 SF 1-1/8" x 1-1/8" Mesh Flexible Polypropylene Netting .....	0.38	0.16
Note: To control bird and marine predators.		
10 81 13 00-0025 SF 2" x 2" Mesh Flexible Polypropylene Netting .....	0.37	0.16
Note: To control bird and marine predators.		
10 81 13 00-0026 SF 3" x 3" Mesh Flexible Polypropylene Netting .....	0.37	0.16
Note: To control bird and marine predators.		
10 81 13 00-0027 SF 4" x 4" Mesh Flexible Polypropylene Netting .....	0.36	0.16
Note: To control bird and marine predators.		
10 81 13 00-0028 SF 5/8" x 3/4" Mesh Flexible Polypropylene Netting .....	0.40	0.16
Note: To control bird and marine predators.		
10 81 13 00-0029 SF 1-1/4" x 1-1/2" Mesh Flexible Polypropylene Netting .....	0.38	0.16
Note: To control bird and marine predators.		
10 81 13 00-0030 EA Poly Clips For Flexible Netting .....	1.48	
<b>10 81 13 00-0031 Netting Accessories</b> <small>(10 81 13)</small>		
10 81 13 00-0032 EA 2" Zipper For Flexible Netting .....	5.11	
10 81 13 00-0033 EA 4" Zipper For Flexible Netting .....	7.70	
10 81 13 00-0034 EA 6" Zipper For Flexible Netting .....	9.05	
10 81 13 00-0035 EA 8" Zipper For Flexible Netting .....	12.87	
<b>10 81 16 Insect Control Devices</b> <small>(10 81)</small>		
<b>10 81 16 00-0001 Insect Screening</b> <small>(10 81 16)</small>		
10 81 16 00-0002 CSF 17/14 Mesh Insect Screening With Flat Screen Spines .....	74.57	
<b>10 86 Security Mirrors And Domes</b> <small>(10 86)</small>		
<b>10 86 00 00-0001 Security Mirrors</b> <small>(10 86)</small>		
10 86 00 00-0002 EA 8" x 10" Framed Stainless Steel Mirror With Mounting Plate .....	49.61	14.95
10 86 00 00-0003 EA 10" x 14" Framed Stainless Steel Mirror With Mounting Plate .....	55.30	12.46
10 86 00 00-0004 EA 16" x 20" Unframed Stainless Steel Mirror With Mounting Screws .....	100.56	14.95
10 86 00 00-0005 EA 8" x 10" Framed Stainless Steel Replacement Mirror .....	46.45	14.95
10 86 00 00-0006 EA 10" x 14" Framed Stainless Steel Replacement Mirror .....	77.61	14.95
<b>10 86 00 00-0007 Dome Mirrors</b> <small>(10 86)</small> Note: Includes all mounting hardware. Indoor or outdoor applications.		
<b>10 86 00 00-0008 Steel Dome Mirrors</b> <small>(10 86 00 00-0007)</small>		
10 86 00 00-0009 EA 9" Diameter Full-Dome Steel Dome Mirror .....	164.46	7.86
10 86 00 00-0010 EA 12" Diameter Full-Dome Steel Dome Mirror .....	194.99	8.25
10 86 00 00-0011 EA 18" Diameter Full-Dome Steel Dome Mirror .....	226.31	9.04
10 86 00 00-0012 EA 24" Diameter Full-Dome Steel Dome Mirror .....	305.49	9.82

**10 Specialties****10 80 Other Specialties****10 86 Security Mirrors And Domes**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 86 00 00-0013	EA		9" Diameter Half-Dome Steel Dome Mirror.....	117.33	5.89
10 86 00 00-0014	EA		12" Diameter Half-Dome Steel Dome Mirror.....	136.22	6.29
10 86 00 00-0015	EA		18" Diameter Half-Dome Steel Dome Mirror.....	159.91	6.87
10 86 00 00-0016	EA		24" Diameter Half-Dome Steel Dome Mirror.....	225.75	7.46
<b>10 86 00 00-0017</b>			<b>Plexiglas Dome Mirrors</b> <small>(10 86 00 00-0007)</small>		
10 86 00 00-0018	EA		18" Diameter Full-Dome Plexiglas Dome Mirror.....	123.48	9.04
10 86 00 00-0019	EA		26" Diameter Full-Dome Plexiglas Dome Mirror.....	178.74	9.82
10 86 00 00-0020	EA		32" Diameter Full-Dome Plexiglas Dome Mirror.....	238.79	11.39
10 86 00 00-0021	EA		36" Diameter Full-Dome Plexiglas Dome Mirror.....	288.77	13.76
10 86 00 00-0022	EA		48" Diameter Full-Dome Plexiglas Dome Mirror.....	422.14	19.65
10 86 00 00-0023	EA		18" Diameter Half-Dome Plexiglas Dome Mirror.....	73.64	6.87
10 86 00 00-0024	EA		26" Diameter Half-Dome Plexiglas Dome Mirror.....	101.98	7.46
10 86 00 00-0025	EA		32" Diameter Half-Dome Plexiglas Dome Mirror.....	136.15	8.65
10 86 00 00-0026	EA		36" Diameter Half-Dome Plexiglas Dome Mirror.....	168.27	10.41
10 86 00 00-0027	EA		48" Diameter Half-Dome Plexiglas Dome Mirror.....	270.04	14.74
10 86 00 00-0028	EA		18" Diameter Quarter-Dome Plexiglas Dome Mirror.....	45.42	5.89
10 86 00 00-0029	EA		26" Diameter Quarter-Dome Plexiglas Dome Mirror.....	59.92	6.49
10 86 00 00-0030	EA		32" Diameter Quarter-Dome Plexiglas Dome Mirror.....	80.63	7.27
10 86 00 00-0031	EA		36" Diameter Quarter-Dome Plexiglas Dome Mirror.....	101.10	8.65
10 86 00 00-0032	EA		48" Diameter Quarter-Dome Plexiglas Dome Mirror.....	170.71	12.28
<b>10 86 00 00-0033</b>			<b>Coated Plexiglas Dome Mirrors</b> <small>(10 86 00 00-0007)</small>		
10 86 00 00-0034	EA		18" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	150.00	9.04
10 86 00 00-0035	EA		26" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	238.23	9.82
10 86 00 00-0036	EA		36" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	407.76	13.76
10 86 00 00-0037	EA		48" Diameter Full-Dome Coated Plexiglas Dome Mirror.....	630.37	19.65
10 86 00 00-0038	EA		18" Diameter Half-Dome Coated Plexiglas Dome Mirror.....	95.89	6.87
10 86 00 00-0039	EA		26" Diameter Half-Dome Coated Plexiglas Dome Mirror.....	146.86	7.46
10 86 00 00-0040	EA		36" Diameter Half-Dome Coated Plexiglas Dome Mirror.....	234.23	10.41
10 86 00 00-0041	EA		48" Diameter Half-Dome Coated Plexiglas Dome Mirror.....	391.62	14.74
10 86 00 00-0042	EA		18" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	68.31	5.89
10 86 00 00-0043	EA		26" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	98.46	6.49
10 86 00 00-0044	EA		32" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	129.26	7.27
10 86 00 00-0045	EA		36" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	167.32	8.65
10 86 00 00-0046	EA		48" Diameter Quarter-Dome Coated Plexiglas Dome Mirror.....	263.84	12.28
<b>10 86 00 00-0047</b>			<b>Circular Convex Security Mirrors</b> <small>(10 86)</small>		
			Note: Includes all mounting hardware.		
<b>10 86 00 00-0048</b>			<b>Plexiglas Circular Convex Mirrors</b> <small>(10 86 00 00-0047)</small>		
			Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.		
10 86 00 00-0049	EA		12" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	48.79	6.29
10 86 00 00-0050	EA		18" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	65.37	6.87
10 86 00 00-0051	EA		26" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	103.40	7.46
10 86 00 00-0052	EA		30" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	130.20	8.65
10 86 00 00-0053	EA		36" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	174.73	10.41
10 86 00 00-0054	EA		48" Diameter Plexiglas Circular Convex Mirrors, Indoor.....	314.02	14.74
10 86 00 00-0055	EA		18" Diameter Plexiglas Circular Convex Mirrors, Outdoor.....	87.23	6.87
10 86 00 00-0056	EA		26" Diameter Plexiglas Circular Convex Mirrors, Outdoor.....	129.27	7.46
10 86 00 00-0057	EA		36" Diameter Plexiglas Circular Convex Mirrors, Outdoor.....	185.08	10.41
10 86 00 00-0058	EA		48" Diameter Plexiglas Circular Convex Mirrors, Outdoor.....	345.06	14.74
<b>10 86 00 00-0059</b>			<b>Coated Plexiglas Circular Convex Mirrors</b> <small>(10 86 00 00-0047)</small>		
			Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.		
10 86 00 00-0060	EA		18" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	107.40	6.87
10 86 00 00-0061	EA		26" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	174.02	7.46
10 86 00 00-0062	EA		30" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	235.87	8.65
10 86 00 00-0063	EA		36" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	295.02	10.41
10 86 00 00-0064	EA		48" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor.....	429.13	14.74
10 86 00 00-0065	EA		18" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	131.07	6.87
10 86 00 00-0066	EA		26" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	207.65	7.46
10 86 00 00-0067	EA		30" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	291.49	8.65
10 86 00 00-0068	EA		36" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	328.65	10.41
10 86 00 00-0069	EA		48" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor.....	523.55	14.74

**END OF SECTION 10**



<b>Equipment</b>	<b>11</b>	
<b>Operation And Maintenance Of Equipment</b>	<b>11 01</b>	<b>11</b>
<b>Operation And Maintenance Of Vehicle And Pedestrian Equipment</b>	<b>11 01 10</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 11 Equipment

### 11 01 Operation And Maintenance Of Equipment<sup>(11)</sup>

#### 11 01 10 Operation And Maintenance Of Vehicle And Pedestrian Equipment<sup>(11 01)</sup>

##### 11 01 10 13 Operation And Maintenance Of Parking Equipment<sup>(11 01 10)</sup>

11 01 10 13-0001 Replacement Parking Equipment <sup>(11 01 10 13)</sup>			
11 01 10 13-0002	EA 10' Wood Arm Replacement With Bolts.....	340.88	
11 01 10 13-0003	EA 12' Wood Arm Replacement With Bolts.....	355.79	
11 01 10 13-0004	EA 14' Wood Arm Replacement With Bolts.....	372.98	
11 01 10 13-0005	EA 12' Aluminum Arm Replacement With Bolts.....	498.67	
11 01 10 13-0006	EA 14' Aluminum Arm Replacement With Bolts.....	514.72	
11 01 10 13-0007	EA 16' Aluminum Arm Replacement With Bolts.....	730.81	
11 01 10 13-0008	EA 18' Aluminum Arm Replacement With Bolts.....	741.15	
11 01 10 13-0009	EA 20' Aluminum Arm Replacement With Bolts.....	761.36	
11 01 10 13-0010	EA 22' Aluminum Arm Replacement With Bolts.....	876.07	
11 01 10 13-0011	EA 24' Aluminum Arm Replacement With Bolts.....	890.21	

### 11 10 Vehicle And Pedestrian Equipment<sup>(11)</sup>

#### 11 11 Vehicle Service Equipment<sup>(11 10)</sup>

##### 11 11 33 Vehicle-Spray Painting Equipment<sup>(11 11)</sup>

11 11 33 00-0001 Vehicle-Spray Painting Booths <sup>(11 11 33)</sup>			
11 11 33 00-0002	EA 15'-8" Wide x 11'-6" High x 24'-4" Deep, Solid Back, Downflo Spray Painting Booth (AFC QDP2418CSB).....	86,487.38	1,168.91
Note: Includes air make-up system and automated control panel.			
11 11 33 00-0003	EA 16'-4" Wide x 11'-10" High x 24'-2" Deep, Solid Back, Side Downflo Spray Painting Booth (AFC SDDP2412CSB).....	59,454.12	1,168.91
Note: Includes air make-up system and automated control panel.			
11 11 33 00-0004	EA 8'-0" Wide x 8'-0" High x 12'-0" Deep, Standard Paint Mixing Room (AFC SMR1204).....	10,763.53	389.64
Note: Includes air make-up system and automated control panel.			

##### 11 11 33 00-0005 Breathing Air Systems<sup>(11 11 33)</sup>

11 11 33 00-0006	Eight Supplied Air Respirator, Four Stage Filtration, Quality Air Breathing System (Martech 80-E).....	3,712.05	29.22
For Calibration Kit (Martech ABM 700), Add		341.06	
For Filter Package (Martech 88890), Add		538.13	
For Replacement Base Core Gasket (Martech 88896), Add		25.94	

#### 11 11 36 Vehicle Charging Equipment<sup>(11 11)</sup>

##### 11 11 36 13 Commercial Electric Vehicle Charging Unit<sup>(11 11 36)</sup>

11 11 36 13-0001 Electric Vehicle Charging Stations (GE) <sup>(11 11 36 13)</sup>			
Note: Available with RFID (Radio Frequency Identification) reader.			
11 11 36 13-0002	EA Single Pedestal Electric Vehicle Charging Station Without RFID (GE EVSN3).....	2,381.64	87.24
Note: 208 to 240 volt, 30 amp, 1 phase.			
11 11 36 13-0003	EA Double Pedestal Electric Vehicle Charging Station Without RFID (GE EVDN3).....	4,228.42	116.32
Note: 208 to 240 volt, 30 amp, 1 phase.			
11 11 36 13-0004	EA Single Pedestal Electric Vehicle Charging Station With RFID (GE EVSRN3).....	4,413.07	87.24
Note: 208 to 240 volt, 30 amp, 1 phase.			
11 11 36 13-0005	EA Double Pedestal Electric Vehicle Charging Station With RFID (GE EVDRN3).....	7,536.85	116.32
Note: 208 to 240 volt, 30 amp, 1 phase.			
11 11 36 13-0006	EA Single Pole Mounted Electric Vehicle Charging Station Without RFID (GE EVPN3).....	2,080.12	43.62
Note: 208 to 240 volt, 30 amp, 1 phase. Excludes pole.			
11 11 36 13-0007	EA Single Pole Mounted Electric Vehicle Charging Station With RFID (GE EVPRN3).....	4,035.39	43.62
Note: 208 to 240 volt, 30 amp, 1 phase. Excludes pole.			
11 11 36 13-0008	EA Single Wall Mounted Electric Vehicle Charging Station Without RFID (GE EVWN3).....	2,011.24	58.15
Note: 208 to 240 volt, 30 amp, 1 phase.			
11 11 36 13-0009	EA Single Wall Mounted Electric Vehicle Charging Station With RFID (GE EVWRN3).....	3,890.35	58.15
Note: 208 to 240 volt, 30 amp, 1 phase.			
11 11 36 13-0010 Electric Vehicle Charging Stations (AeroVironment) <sup>(11 11 36 13)</sup>			
Note: Can be configured as Level 1 (16 Amps, 120 VAC) or Level 2 (16 Amps, 240 VAC).			
11 11 36 13-0011	EA Module Electric Vehicle Charging Station (AeroVironment TurboDock Module).....	1,624.75	29.08
Note: Includes charging station only. Excludes mounting bracket or pedestal.			
11 11 36 13-0012	EA Single Wall Mount Electric Vehicle Charging Station (AeroVironment TurboDock Wall Mount).....	2,320.52	58.15
Note: Includes charging station(s) and wall mounting bracket that can hold up to two charging modules.			
11 11 36 13-0013	EA Dual Wall Mount Electric Vehicle Charging Station (AeroVironment TurboDock Wall Mount).....	3,887.10	72.70
Note: Includes charging station(s) and wall mounting bracket that can hold up to two charging modules.			
11 11 36 13-0014	EA Single Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal).....	2,436.83	87.24
Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.			



<b>11</b>	<b>11 Equipment</b>
	<b>11 10 Vehicle And Pedestrian Equipment</b>
	<b>11 11 Vehicle Service Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 11 36 13-0015 EA Dual Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal) ..... Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.	4,003.42	101.78
11 11 36 13-0016 EA Triple Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal) ..... Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.	5,570.00	116.32
11 11 36 13-0017 EA Quad Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal) ..... Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.	7,136.59	130.86

**11 12 Parking Control Equipment** <sup>(11 10)</sup>

**11 12 16 Parking Ticket Dispensers** <sup>(11 12)</sup>

**11 12 16 00-0001 Parking Ticket Dispensers** <sup>(11 12 16)</sup>

11 12 16 00-0002 EA Standard Parking Ticket Dispenser With Printer .....	6,543.74	132.33
11 12 16 00-0003 EA Rate Computing Parking Ticket Dispenser With Printer.....	8,800.72	132.33

**11 12 23 Parking Meters** <sup>(11 12)</sup>

**11 12 23 00-0001 Parking Meters** <sup>(11 12 23)</sup>

11 12 23 00-0002 EA Removal Of Parking Meter For Replacement Or Reinstall Existing Meter.....	92.13	
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**11 12 26 Parking Fee Collection Equipment** <sup>(11 12)</sup>

**11 12 26 13 Parking Fee Coin Collection Equipment** <sup>(11 12 26)</sup>

**11 12 26 13-0001 Parking Fee Collection Equipment** <sup>(11 12 26 13)</sup>

11 12 26 13-0002 EA Multiple Station Slot Box For Parking Fee Collection.....	1,557.20	44.85
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**11 12 33 Parking Gates** <sup>(11 12)</sup>

**11 12 33 13 Lift Arm Parking Gates** <sup>(11 12 33)</sup>

**11 12 33 13-0001 Barrier Parking Gate Operators** <sup>(11 12 33 13)</sup>

**11 12 33 13-0002 Barrier Parking Gate Operators** <sup>(11 12 33 13-0001)</sup>

Note: Includes operator and barrier arm. Excludes access controls and concrete foundation.

11 12 33 13-0003 EA 12' Plastic Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)..... For 230/460 Volt AC, Add	3,429.75 322.50	183.44
11 12 33 13-0004 EA 14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)..... For 230/460 Volt AC, Add	3,417.20 322.50	183.44
11 12 33 13-0005 EA 14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080) ..... For 230/460 Volt AC, Add	3,576.08 322.50	183.44
11 12 33 13-0006 EA 20' Three Piece Wood Arm, 1 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1602-080) ..... For 230/460 Volt AC, Add	5,133.66 322.50	183.44
11 12 33 13-0007 EA 14' Wood Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD).....	4,970.55	183.44
11 12 33 13-0008 EA 14' Aluminum Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD).....	5,221.42	183.44

**11 12 33 13-0009 Barrier Parking Gate Operators With Tire Shredding Traffic Control Spikes**

<sup>(11 12 33 13-0001)</sup>

Note: Includes operator, barrier arm and tire shredding traffic control spikes. Excludes access controls and concrete foundation.

11 12 33 13-0010 EA 14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080) .....	10,653.43	366.89
11 12 33 13-0011 EA 14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080) .....	12,482.87	366.89
11 12 33 13-0012 EA 14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080) .....	10,747.50	366.89
11 12 33 13-0013 EA 14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080) .....	12,576.95	366.89

**11 12 33 13-0014 Barrier Parking Gate Operator Accessories** <sup>(11 12 33 13-0001)</sup>

11 12 33 13-0015 EA 12' Plastic Replacement Arm For Barrier Parking Gate Operators .....	124.01	9.74
11 12 33 13-0016 EA 14' Wood Replacement Arm For Barrier Parking Gate Operators .....	111.46	9.74
11 12 33 13-0017 EA 14' Aluminum Replacement Arm For Barrier Parking Gate Operators.....	270.35	9.74
11 12 33 13-0018 EA 20' Three Piece Wood Replacement Arm For Barrier Parking Gate Operators .....	411.46	9.74
11 12 33 13-0019 EA Folding Wood Replacement Arm For Barrier Parking Gate Operators .....	374.87	9.74
11 12 33 13-0020 EA Folding Plastic Replacement Arm For Barrier Parking Gate Operators .....	374.87	9.74
11 12 33 13-0021 EA Folding Aluminum Replacement Arm For Barrier Parking Gate Operators.....	458.50	9.74
11 12 33 13-0022 EA Heater Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-092) .....	352.08	58.45
11 12 33 13-0023 EA Fan Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-093).....	352.08	58.45
11 12 33 13-0024 EA Single Channel Detector Loop For Barrier Parking Gate Operators (DKS™ DoorKing® 9410-010) .....	344.91	
11 12 33 13-0025 EA Two Channel Detector Loop For Barrier Parking Gate Operators (Federal APD DLD-10B) .....	884.08	
11 12 33 13-0026 EA 36" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls (Federal APD) .....	612.62	9.74

Note: Includes mounting plate and hardware. Excludes concrete foundation.



	<b>Equipment</b>	<b>11</b>
	<b>Vehicle And Pedestrian Equipment</b>	<b>11 10</b>
	<b>Parking Control Equipment</b>	<b>11 12</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**11 12 36 Tire Shredders** (11 12)

11 12 36 00-0001	Tire Shredding Traffic Control Spikes <small>(11 12 36)</small>		
11 12 36 00-0002	Flush Mount, Tire Shredding Traffic Control Spikes <small>(11 12 36 00-0001)</small>		
11 12 36 00-0003	EA 6' Section, Flush Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-081).....	1,566.98	155.86
11 12 36 00-0004	Surface Mount, Tire Shredding Traffic Control Spikes <small>(11 12 36 00-0001)</small>		
11 12 36 00-0005	EA 3' Section With End Caps, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-088).....	2,900.18	77.94
11 12 36 00-0006	EA 3' Add-On Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-087).....	2,063.96	77.94
11 12 36 00-0007	Warning Signs And Signals For Tire Shredding Traffic Control Spikes <small>(11 12 36 00-0001)</small>		
11 12 36 00-0008	EA Warning Sign For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1615).....	1,281.42	29.22
11 12 36 00-0009	EA Traffic Light Assembly For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603).....	1,029.14	38.97

**11 13 Loading Dock Equipment** (11 10)

**11 13 13 Loading Dock Bumpers** (11 13)

11 13 13 00-0001	Laminated Rubber Dock Bumpers <small>(11 13 13)</small>		
11 13 13 00-0002	4-1/2" Projection, Laminated Rubber Dock Bumpers <small>(11 13 13 00-0001)</small>		
11 13 13 00-0003	EA 14" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper.....	82.60	7.85
11 13 13 00-0004	EA 24" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper.....	108.06	7.85
11 13 13 00-0005	EA 36" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper.....	143.97	7.85
11 13 13 00-0006	EA 12" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper.....	93.45	7.85
11 13 13 00-0007	EA 14" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper.....	102.44	7.85
11 13 13 00-0008	EA 18" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper.....	118.52	7.85
11 13 13 00-0009	EA 24" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper.....	143.97	7.85
11 13 13 00-0010	EA 36" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper.....	201.42	7.85
11 13 13 00-0011	EA 12" x 12", 4-1/2" Projection, Laminated Rubber Dock Bumper.....	107.81	7.85
11 13 13 00-0012	EA 12" x 14", 4-1/2" Projection, Laminated Rubber Dock Bumper.....	118.52	7.85
11 13 13 00-0013	EA 12" x 18", 4-1/2" Projection, Laminated Rubber Dock Bumper.....	149.08	7.85
11 13 13 00-0014	EA 12" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper.....	170.74	7.85
11 13 13 00-0015	EA 12" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper.....	241.10	7.85
11 13 13 00-0016	EA 11" x 20", 4-1/2" Projection, Laminated Rubber Dock Bumper.....	136.42	7.85
11 13 13 00-0017	EA 11" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper.....	161.62	7.85
11 13 13 00-0018	EA 11" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper.....	215.30	7.85
11 13 13 00-0019	6" Projection, Laminated Rubber Dock Bumpers <small>(11 13 13 00-0001)</small>		
11 13 13 00-0020	EA 12" x 10", 6" Projection, Laminated Rubber Dock Bumper.....	123.37	7.85
11 13 13 00-0021	EA 14" x 10", 6" Projection, Laminated Rubber Dock Bumper.....	132.25	7.85
11 13 13 00-0022	EA 18" x 10", 6" Projection, Laminated Rubber Dock Bumper.....	153.68	7.85
11 13 13 00-0023	EA 24" x 10", 6" Projection, Laminated Rubber Dock Bumper.....	186.30	7.85
11 13 13 00-0024	EA 36" x 10", 6" Projection, Laminated Rubber Dock Bumper.....	258.48	7.85
11 13 13 00-0025	EA 12" x 12", 6" Projection, Laminated Rubber Dock Bumper.....	143.09	7.85
11 13 13 00-0026	EA 14" x 12", 6" Projection, Laminated Rubber Dock Bumper.....	150.39	7.85
11 13 13 00-0027	EA 18" x 12", 6" Projection, Laminated Rubber Dock Bumper.....	179.36	7.85
11 13 13 00-0028	EA 24" x 12", 6" Projection, Laminated Rubber Dock Bumper.....	222.57	7.85
11 13 13 00-0029	EA 36" x 12", 6" Projection, Laminated Rubber Dock Bumper.....	343.57	7.85
11 13 13 00-0030	EA 11" x 20", 6" Projection, Laminated Rubber Dock Bumper.....	186.42	7.85
11 13 13 00-0031	EA 11" x 24", 6" Projection, Laminated Rubber Dock Bumper.....	215.39	7.85
11 13 13 00-0032	EA 11" x 36", 6" Projection, Laminated Rubber Dock Bumper.....	219.25	7.85
11 13 13 00-0033	Extruded Rubber Dock Bumpers <small>(11 13 13)</small>		
11 13 13 00-0034	1-3/4" Projection, Extruded Rubber Dock Bumpers <small>(11 13 13 00-0033)</small>		
11 13 13 00-0035	EA 12" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper.....	36.27	7.85
11 13 13 00-0036	EA 18" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper.....	39.85	7.85
11 13 13 00-0037	EA 24" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper.....	44.62	7.85
11 13 13 00-0038	EA 36" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper.....	49.39	7.85
11 13 13 00-0039	4" Projection, Extruded Rubber Dock Bumpers <small>(11 13 13 00-0033)</small>		
11 13 13 00-0040	EA 12" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper.....	54.98	7.85
11 13 13 00-0041	EA 18" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper.....	70.03	7.85
11 13 13 00-0042	EA 24" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper.....	74.36	7.85
11 13 13 00-0043	EA 36" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper.....	84.23	7.85
11 13 13 00-0044	6" Projection, Extruded Rubber Dock Bumpers <small>(11 13 13 00-0033)</small>		
11 13 13 00-0045	EA 12" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	70.62	7.85
11 13 13 00-0046	EA 18" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	90.90	7.85

**11 Equipment****11 10 Vehicle And Pedestrian Equipment****11 13 Loading Dock Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 13 00-0047	EA		24" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	107.60	7.85
11 13 13 00-0048	EA		36" x 6", 6" Projection, Extruded Rubber Dock Bumper.....	139.47	7.85
<b>11 13 13 00-0049</b>			<b>Molded Rubber Dock Bumpers (11 13 13)</b>		
<b>11 13 13 00-0050</b>			<b>Rectangular Molded Rubber Dock Bumpers (11 13 13 00-0049)</b>		
11 13 13 00-0051	EA		18" x 8", 2" Projection, Rectangular Molded Rubber Dock Bumper.....	58.51	7.85
11 13 13 00-0052	EA		10" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	49.30	7.85
11 13 13 00-0053	EA		20" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	70.32	7.85
11 13 13 00-0054	EA		30" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	91.53	7.85
11 13 13 00-0055	EA		24" x 12", 3" Projection, Rectangular Molded Rubber Dock Bumper.....	96.53	7.85
11 13 13 00-0056	EA		13" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	67.91	7.85
11 13 13 00-0057	EA		18" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	92.37	7.85
11 13 13 00-0058	EA		30" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	142.71	7.85
11 13 13 00-0059	EA		13" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	75.23	7.85
11 13 13 00-0060	EA		24" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	119.95	7.85
11 13 13 00-0061	EA		18" x 18", 4" Projection, Rectangular Molded Rubber Dock Bumper.....	119.51	7.85
11 13 13 00-0062	EA		24" x 12", 6" Projection, Rectangular Molded Rubber Dock Bumper.....	189.50	7.85
<b>11 13 13 00-0063</b>			<b>T And L Shaped Rubber Dock Bumpers (11 13 13 00-0049)</b>		
11 13 13 00-0064	EA		22" x 22", 3" Projection, T Shaped Molded Rubber Dock Bumper.....	112.62	7.85
11 13 13 00-0065	EA		18" x 18", 4" Projection, L Shaped Molded Rubber Dock Bumper.....	103.45	7.85
<b>11 13 16</b>			<b>Loading Dock Seals And Shelters (11 13)</b>		
<b>11 13 16 13</b>			<b>Loading Dock Seals (11 13 16)</b>		
<b>11 13 16 13-0001</b>			<b>Vinyl Loading Dock Seals (11 13 16 13)</b>		
<b>11 13 16 13-0002</b>			<b>Standard Vinyl Loading Dock Seals (11 13 16 13-0001)</b>		
11 13 16 13-0003	LF		10" Projection, Standard, Vinyl Loading Dock Seal.....	53.49	7.85
11 13 16 13-0004	LF		11" Projection, Standard, Vinyl Loading Dock Seal.....	54.41	7.85
11 13 16 13-0005	LF		12" Projection, Standard, Vinyl Loading Dock Seal.....	55.32	7.85
11 13 16 13-0006	LF		13" Projection, Standard, Vinyl Loading Dock Seal.....	57.15	7.85
11 13 16 13-0007	LF		14" Projection, Standard, Vinyl Loading Dock Seal.....	58.97	7.85
11 13 16 13-0008	LF		15" Projection, Standard, Vinyl Loading Dock Seal.....	60.82	7.85
11 13 16 13-0009	LF		16" Projection, Standard, Vinyl Loading Dock Seal.....	62.68	7.85
11 13 16 13-0010	LF		17" Projection, Standard, Vinyl Loading Dock Seal.....	64.58	7.85
11 13 16 13-0011	LF		18" Projection, Standard, Vinyl Loading Dock Seal.....	66.48	7.85
11 13 16 13-0012	LF		19" Projection, Standard, Vinyl Loading Dock Seal.....	68.30	7.85
11 13 16 13-0013	LF		20" Projection, Standard, Vinyl Loading Dock Seal.....	70.13	7.85
11 13 16 13-0014	LF		22" Projection, Standard, Vinyl Loading Dock Seal.....	73.83	7.85
<b>11 13 16 13-0015</b>			<b>8" Exposure Wear Pleats, Vinyl Loading Dock Seals (11 13 16 13-0001)</b>		
11 13 16 13-0016	LF		10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	64.35	7.85
11 13 16 13-0017	LF		11" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	65.26	7.85
11 13 16 13-0018	LF		12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	66.17	7.85
11 13 16 13-0019	LF		13" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	68.03	7.85
11 13 16 13-0020	LF		14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	69.88	7.85
11 13 16 13-0021	LF		15" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	71.70	7.85
11 13 16 13-0022	LF		16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	73.53	7.85
11 13 16 13-0023	LF		17" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	75.38	7.85
11 13 16 13-0024	LF		18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	77.23	7.85
11 13 16 13-0025	LF		19" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	79.06	7.85
11 13 16 13-0026	LF		20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	80.93	7.85
11 13 16 13-0027	LF		22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	84.59	7.85
<b>11 13 16 13-0028</b>			<b>4" Exposure Wear Pleats, Vinyl Loading Dock Seals (11 13 16 13-0001)</b>		
11 13 16 13-0029	LF		10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	70.13	7.85
11 13 16 13-0030	LF		11" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	71.07	7.85
11 13 16 13-0031	LF		12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	72.01	7.85
11 13 16 13-0032	LF		13" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	73.83	7.85
11 13 16 13-0033	LF		14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	75.66	7.85
11 13 16 13-0034	LF		15" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	77.51	7.85
11 13 16 13-0035	LF		16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	79.36	7.85
11 13 16 13-0036	LF		17" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	81.19	7.85
11 13 16 13-0037	LF		18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	83.01	7.85
11 13 16 13-0038	LF		19" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	84.86	7.85
11 13 16 13-0039	LF		20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	86.72	7.85
11 13 16 13-0040	LF		22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	90.47	7.85
<b>11 13 16 13-0041</b>			<b>Vinyl Loading Dock Seals With Drape Curtain (11 13 16 13)</b>		
<b>11 13 16 13-0042</b>			<b>Standard, Vinyl Loading Dock Seals With Drape Curtain (11 13 16 13-0041)</b>		
11 13 16 13-0043	LF		10" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain.....	48.66	7.85



<b>Equipment</b>	<b>11</b>	
<b>Vehicle And Pedestrian Equipment</b>	<b>11 10</b>	<b>11</b>
<b>Loading Dock Equipment</b>	<b>11 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 16 13-0044 LF 12" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain.....	50.10	7.85
11 13 16 13-0045 LF 14" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain.....	53.27	7.85
11 13 16 13-0046 LF 16" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain.....	56.40	7.85
11 13 16 13-0047 LF 18" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain.....	59.62	7.85
11 13 16 13-0048 LF 20" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain.....	62.75	7.85
11 13 16 13-0049 LF 22" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain.....	65.92	7.85
<b>11 13 16 13-0050 8" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain (11 13)</b>		
16 13-0041		
11 13 16 13-0051 LF 10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	58.92	7.85
11 13 16 13-0052 LF 12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	60.40	7.85
11 13 16 13-0053 LF 14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	63.57	7.85
11 13 16 13-0054 LF 16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	66.75	7.85
11 13 16 13-0055 LF 18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	69.88	7.85
11 13 16 13-0056 LF 20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	73.05	7.85
11 13 16 13-0057 LF 22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	76.18	7.85
<b>11 13 16 13-0058 4" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain (11 13)</b>		
16 13-0041		
11 13 16 13-0059 LF 10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	64.49	7.85
11 13 16 13-0060 LF 12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	65.92	7.85
11 13 16 13-0061 LF 14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	69.14	7.85
11 13 16 13-0062 LF 16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	72.27	7.85
11 13 16 13-0063 LF 18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	75.44	7.85
11 13 16 13-0064 LF 20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	78.57	7.85
11 13 16 13-0065 LF 22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	81.79	7.85
<b>11 13 16 23 Loading Dock Shelters (11 13 16)</b>		
<b>11 13 16 23-0001 Retractable Vinyl Loading Dock Shelter (11 13 16 23)</b>		
11 13 16 23-0002 LF Retractable Vinyl Dock Shelters, Scissor Arms .....	87.92	9.81
<b>11 13 16 23-0003 Rigid Loading Dock Shelters (11 13 16 23)</b>		
11 13 16 23-0004 LF 18" Projection, Rigid Loading Dock Shelter .....	61.53	9.42
11 13 16 23-0005 LF 24" Projection, Rigid Loading Dock Shelter .....	64.90	9.42
11 13 16 23-0006 LF 30" Projection, Rigid Loading Dock Shelter .....	67.35	9.81
11 13 16 23-0007 LF 36" Projection, Rigid Loading Dock Shelter .....	69.67	9.81
<b>11 13 19 Stationary Loading Dock Equipment (11 13)</b>		
Note: Includes all anchor bolts and fasteners.		
<b>11 13 19 13 Loading Dock Levelers (11 13 19)</b>		
<b>11 13 19 13-0001 Hydraulic Dock Levelers (11 13 19 13)</b>		
<b>11 13 19 13-0002 20,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)</b>		
11 13 19 13-0003 EA 6' x 6', 20,000 LB Hydraulic Dock Leveler.....	4,590.45	350.67
11 13 19 13-0004 EA 6' x 8', 20,000 LB Hydraulic Dock Leveler.....	4,900.42	389.64
11 13 19 13-0005 EA 6' x 10', 20,000 LB Hydraulic Dock Leveler.....	6,030.94	467.56
11 13 19 13-0006 EA 7' x 6', 20,000 LB Hydraulic Dock Leveler.....	4,885.14	389.64
11 13 19 13-0007 EA 7' x 8', 20,000 LB Hydraulic Dock Leveler.....	5,314.89	428.60
11 13 19 13-0008 EA 7' x 10', 20,000 LB Hydraulic Dock Leveler.....	6,377.09	467.56
<b>11 13 19 13-0009 25,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)</b>		
11 13 19 13-0010 EA 6' x 6', 25,000 LB Hydraulic Dock Leveler.....	4,692.23	350.67
11 13 19 13-0011 EA 6' x 8', 25,000 LB Hydraulic Dock Leveler.....	5,006.80	389.64
11 13 19 13-0012 EA 6' x 10', 25,000 LB Hydraulic Dock Leveler.....	6,130.63	467.56
11 13 19 13-0013 EA 7' x 6', 25,000 LB Hydraulic Dock Leveler.....	4,985.76	389.64
11 13 19 13-0014 EA 7' x 8', 25,000 LB Hydraulic Dock Leveler.....	5,408.63	428.60
11 13 19 13-0015 EA 7' x 10', 25,000 LB Hydraulic Dock Leveler.....	6,572.28	467.56
<b>11 13 19 13-0016 30,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)</b>		
11 13 19 13-0017 EA 6' x 6', 30,000 LB Hydraulic Dock Leveler.....	4,900.19	409.12
11 13 19 13-0018 EA 6' x 8', 30,000 LB Hydraulic Dock Leveler.....	5,208.13	467.56
11 13 19 13-0019 EA 6' x 10', 30,000 LB Hydraulic Dock Leveler.....	6,361.96	545.49
11 13 19 13-0020 EA 7' x 6', 30,000 LB Hydraulic Dock Leveler.....	5,208.13	467.56
11 13 19 13-0021 EA 7' x 8', 30,000 LB Hydraulic Dock Leveler.....	5,621.33	526.01
11 13 19 13-0022 EA 7' x 10', 30,000 LB Hydraulic Dock Leveler.....	6,775.16	526.01
<b>11 13 19 13-0023 35,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)</b>		
11 13 19 13-0024 EA 6' x 6', 35,000 LB Hydraulic Dock Leveler.....	5,074.03	389.64
11 13 19 13-0025 EA 6' x 8', 35,000 LB Hydraulic Dock Leveler.....	5,382.54	428.60
11 13 19 13-0026 EA 6' x 10', 35,000 LB Hydraulic Dock Leveler.....	6,797.87	506.53
11 13 19 13-0027 EA 7' x 6', 35,000 LB Hydraulic Dock Leveler.....	5,382.54	428.60

**11 Equipment****11 10 Vehicle And Pedestrian Equipment****11 13 Loading Dock Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 19 13-0028 EA 7' x 8', 35,000 LB Hydraulic Dock Leveler.....	5,840.37	467.56
11 13 19 13-0029 EA 7' x 10', 35,000 LB Hydraulic Dock Leveler.....	7,011.35	545.49
<b>11 13 19 13-0030 40,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)</b>		
11 13 19 13-0031 EA 6' x 6', 40,000 LB Hydraulic Dock Leveler.....	5,398.09	389.64
11 13 19 13-0032 EA 6' x 8', 40,000 LB Hydraulic Dock Leveler.....	5,706.33	428.60
11 13 19 13-0033 EA 6' x 10', 40,000 LB Hydraulic Dock Leveler.....	6,872.16	506.53
11 13 19 13-0034 EA 7' x 6', 40,000 LB Hydraulic Dock Leveler.....	5,706.33	428.60
11 13 19 13-0035 EA 7' x 8', 40,000 LB Hydraulic Dock Leveler.....	6,164.50	467.56
11 13 19 13-0036 EA 7' x 10', 40,000 LB Hydraulic Dock Leveler.....	7,335.35	545.49
<b>11 13 19 13-0037 45,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)</b>		
11 13 19 13-0038 EA 6' x 6', 45,000 LB Hydraulic Dock Leveler.....	5,650.94	428.60
11 13 19 13-0039 EA 6' x 8', 45,000 LB Hydraulic Dock Leveler.....	5,962.77	467.56
11 13 19 13-0040 EA 6' x 10', 45,000 LB Hydraulic Dock Leveler.....	7,124.40	545.49
11 13 19 13-0041 EA 7' x 6', 45,000 LB Hydraulic Dock Leveler.....	5,963.35	467.56
11 13 19 13-0042 EA 7' x 8', 45,000 LB Hydraulic Dock Leveler.....	6,418.84	506.53
11 13 19 13-0043 EA 7' x 10', 45,000 LB Hydraulic Dock Leveler.....	7,584.36	584.46
<b>11 13 19 13-0044 Manual Dock Levelers (11 13 19 13)</b>		
<b>11 13 19 13-0045 20,000 LB Manual Dock Levelers (11 13 19 13-0044)</b>		
11 13 19 13-0046 EA 6' x 6', 20,000 LB Manual Dock Leveler.....	3,535.34	350.67
11 13 19 13-0047 EA 6' x 8', 20,000 LB Manual Dock Leveler.....	3,851.97	389.64
11 13 19 13-0048 EA 6' x 10', 20,000 LB Manual Dock Leveler.....	4,975.82	467.56
11 13 19 13-0049 EA 7' x 6', 20,000 LB Manual Dock Leveler.....	3,830.98	389.64
11 13 19 13-0050 EA 7' x 8', 20,000 LB Manual Dock Leveler.....	4,259.77	428.60
11 13 19 13-0051 EA 7' x 10', 20,000 LB Manual Dock Leveler.....	5,429.58	467.56
<b>11 13 19 13-0052 40,000 LB Manual Dock Levelers (11 13 19 13-0044)</b>		
11 13 19 13-0053 EA 6' x 6', 40,000 LB Manual Dock Leveler.....	4,436.29	389.64
11 13 19 13-0054 EA 6' x 8', 40,000 LB Manual Dock Leveler.....	4,744.54	428.60
11 13 19 13-0055 EA 6' x 10', 40,000 LB Manual Dock Leveler.....	5,093.32	506.53
11 13 19 13-0056 EA 7' x 6', 40,000 LB Manual Dock Leveler.....	4,744.54	428.60
11 13 19 13-0057 EA 7' x 8', 40,000 LB Manual Dock Leveler.....	5,420.78	467.56
11 13 19 13-0058 EA 7' x 10', 40,000 LB Manual Dock Leveler.....	6,373.56	545.49
<b>11 13 19 13-0059 Edge-Of-Dock Levelers (11 13 19 13)</b>		
Note: Mounted on face of dock, single torsion bar counter balance, includes bumpers.		
<b>11 13 19 13-0060 Hydraulic Edge-Of-Dock Levelers (11 13 19 13-0059)</b>		
11 13 19 13-0061 EA 66" Usable Width, 20,000 LB Edge-Of-Dock Leveler, Hydraulic.....	2,810.00	116.89
11 13 19 13-0062 EA 72" Usable Width, 20,000 LB Edge-Of-Dock Leveler, Hydraulic.....	3,052.49	116.89
11 13 19 13-0063 EA 66" Usable Width, 25,000 LB Edge-Of-Dock Leveler, Hydraulic.....	3,017.40	116.89
11 13 19 13-0064 EA 72" Usable Width, 25,000 LB Edge-Of-Dock Leveler, Hydraulic.....	3,350.30	116.89
<b>11 13 19 13-0065 Manual Edge-Of-Dock Levelers (11 13 19 13-0059)</b>		
11 13 19 13-0066 EA 66" Usable Width, 20,000 LB Edge-Of-Dock Leveler, Manual.....	1,264.84	116.89
11 13 19 13-0067 EA 72" Usable Width, 20,000 LB Edge-Of-Dock Leveler, Manual.....	1,410.92	116.89
11 13 19 13-0068 EA 66" Usable Width, 25,000 LB Edge-Of-Dock Leveler, Manual.....	1,455.60	116.89
11 13 19 13-0069 EA 72" Usable Width, 25,000 LB Edge-Of-Dock Leveler, Manual.....	1,565.15	116.89
<b>11 13 19 23 Stationary Loading Dock Lifts (11 13 19)</b>		
<b>11 13 19 23-0001 Top Of Ground, Fixed Platform Lifts (11 13 19 23)</b>		
11 13 19 23-0002 EA 6' x 8', 5,500 LB Top Of Ground, Fixed Platform Lift.....	12,473.73	79.81
<b>11 13 19 23-0003 Pit Mounted, Fixed Platform Lifts (11 13 19 23)</b>		
11 13 19 23-0004 EA 6' x 8', 5,000 LB Fixed Platform Lift, Pit Mounted.....	8,382.47	79.81
11 13 19 23-0005 EA 6' x 8', 8,000 LB Fixed Platform Lift, Pit Mounted.....	15,447.70	119.71
11 13 19 23-0006 EA 7' x 12', 15,000 LB Fixed Platform Lift, Pit Mounted.....	27,221.49	239.42
11 13 19 23-0007 EA 8' x 20', 15,000 LB Fixed Platform Lift, Pit Mounted.....	28,388.14	319.23
<b>11 13 19 26 Loading Dock Truck Lifts (11 13 19)</b>		
<b>11 13 19 26-0001 Hydraulic Truck Lifts (11 13 19 26)</b>		
11 13 19 26-0002 EA 10' x 15', 60,000 LB Platform Truck Lift.....	24,688.27	818.89
11 13 19 26-0003 EA 10' x 20', 60,000 LB Platform Truck Lift.....	28,180.70	982.67
<b>11 13 19 33 Loading Dock Truck Restraints (11 13 19)</b>		



<b>Equipment</b>	<b>11</b>	
<b>Vehicle And Pedestrian Equipment</b>	<b>11 10</b>	<b>11</b>
<b>Loading Dock Equipment</b>	<b>11 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>11 13 19 33-0001</b> Truck Restraint System <small>(11 13 19 33)</small>		
11 13 19 33-0002 EA Truck Restraint System (Poweramp Powerstop AAL) ..... Note: Includes push button controls, warning lights, alarms, 30,000 LB holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.	5,716.34	146.11
11 13 19 33-0003 EA Rotating Hook Truck Restraint System (Kelley Star 4) ..... Note: Includes push button controls, warning lights, alarms, 32,000 LB holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.	5,385.78	146.11
<b>11 13 23</b> <b>Portable Dock Equipment</b> <small>(11 13)</small>		
<b>11 13 23 23</b> <b>Portable Dock Platforms</b> <small>(11 13 23)</small>		
11 13 23 23-0001 EA 6' x 6', 5,000 LB Capacity Portable Platform Lift.....	9,126.66	48.70
<b>11 13 26</b> <b>Loading Dock Lights</b> <small>(11 13)</small>		
<b>11 13 26 00-0001</b> <b>Communication Lights</b> <small>(11 13 26)</small>		
11 13 26 00-0002 EA Console Controlled, Dock Communication Light, Stop And Go Red Light Style, 12 Or 24 Volt DC Or 115 Volt AC..... Note: Excludes control console.	226.13	55.13
11 13 26 00-0003 EA Toggle Switch Controlled, Dock Communication Light, Stop And Go Red Light Style, With Solid State Flasher, 12 Or 24 Volt DC Or 115 Volt AC .....	281.40	55.13
11 13 26 00-0004 EA Dock Guide Light For Truck Backing .....	124.05	44.11
<b>11 13 26 00-0005</b> <b>Communication Lights Controls</b> <small>(11 13 26)</small>		
11 13 26 00-0006 EA Dock Communication Lights Control Console For Up To Two Docks.....	241.78	73.51
<b>11 13 26 00-0007</b> <b>Loading Dock Lights</b> <small>(11 13 26)</small>		
<b>11 13 26 00-0008</b> <b>Incandescent Loading Dock Lights</b> <small>(11 13 26 00-0007)</small>		
11 13 26 00-0009 EA 24" Long, Single Arm Loading Dock Light, 300W Incandescent.....	312.92	73.51
11 13 26 00-0010 EA 40" Long, Dual Arm Loading Dock Light, 300W Incandescent .....	274.92	73.51
11 13 26 00-0011 EA 60" Long, Dual Arm Loading Dock Light, 300W Incandescent .....	370.79	73.51
<b>11 13 26 00-0012</b> <b>Metal Halide Loading Dock Lights</b> <small>(11 13 26 00-0007)</small>		
11 13 26 00-0013 EA 24" Long, Single Arm Loading Dock Light, 100W Metal Halide .....	444.27	73.51
11 13 26 00-0014 EA 40" Long, Dual Arm Loading Dock Light, 100W Metal Halide .....	489.31	73.51
11 13 26 00-0015 EA 60" Long, Dual Arm Loading Dock Light, 100W Metal Halide.....	525.33	73.51
<b>11 13 26 00-0016</b> <b>Quartz Halogen Loading Dock Lights</b> <small>(11 13 26 00-0007)</small>		
11 13 26 00-0017 EA 24" Long, Single Arm Loading Dock Light, 500W Quartz Halogen .....	269.85	73.51
11 13 26 00-0018 EA 40" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen.....	298.35	73.51
11 13 26 00-0019 EA 60" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen.....	322.67	73.51
<b>11 14</b> <b>Pedestrian Control Equipment</b> <small>(11 10)</small>		
<b>11 14 13</b> <b>Pedestrian Gates</b> <small>(11 14)</small>		
<b>11 14 13 16</b> <b>Rotary Gates</b> <small>(11 14 13)</small>		
11 14 13 16-0001 Access Control Indoor Or Outdoor Impenetrability <small>(11 14 13 16)</small>		
11 14 13 16-0002 Mechanical <small>(11 14 13 16-0001)</small>		
11 14 13 16-0003 Galvanized Steel <small>(11 14 13 16-0002)</small>		
11 14 13 16-0004 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Galvanized Steel .....	6,333.01	515.26
11 14 13 16-0005 EA One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel .....	7,249.32	515.26
11 14 13 16-0006 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel .....	14,824.15	768.75
11 14 13 16-0007 EA One-Way, Double 7' High Exit Rotary Gate, 3 Or 4 Rotor Sections, Galvanized Steel.....	14,318.83	768.75
11 14 13 16-0008 Powder Coated Steel <small>(11 14 13 16-0002)</small>		
11 14 13 16-0009 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel .....	7,261.12	515.26
11 14 13 16-0010 EA One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Powder Coated Steel .....	8,142.06	515.26
11 14 13 16-0011 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel.....	17,706.16	768.75
11 14 13 16-0012 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel.....	15,841.52	768.75
11 14 13 16-0013 Anodized Aluminum <small>(11 14 13 16-0002)</small>		
11 14 13 16-0014 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms .....	7,663.69	515.26
11 14 13 16-0015 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum .....	13,830.28	515.26
11 14 13 16-0016 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms.....	15,767.41	768.75
11 14 13 16-0017 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum.....	27,383.03	768.75
11 14 13 16-0018 Stainless Steel <small>(11 14 13 16-0002)</small>		

**11 Equipment****11 10 Vehicle And Pedestrian Equipment****11 14 Pedestrian Control Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 16-0019 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel.....	12,540.03	515.26
11 14 13 16-0020 EA One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Stainless Steel.....	14,167.16	515.26
11 14 13 16-0021 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel .....	20,214.23	768.75
11 14 13 16-0022 EA One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel .....	25,503.24	768.75
<b>11 14 13 16-0023 Transparent</b> <small>(11 14 13 16-0002)</small>		
11 14 13 16-0024 EA One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Transparent .....	25,621.08	515.34
<b>11 14 13 16-0025 Mechanical Options</b> <small>(11 14 13 16-0001)</small>		
11 14 13 16-0026 EA Out-of-Use Lock Option, Add.....	143.17	
11 14 13 16-0027 EA Heel Protector (Each Heel Protector), Add .....	101.06	
<b>11 14 13 16-0028 Electrical, One-Way</b> <small>(11 14 13 16-0001)</small>		
<b>11 14 13 16-0029 Galvanized Steel</b> <small>(11 14 13 16-0028)</small>		
11 14 13 16-0030 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel .....	6,738.95	515.26
11 14 13 16-0031 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel .....	7,656.95	515.26
11 14 13 16-0032 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel .....	16,340.11	768.75
11 14 13 16-0033 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel .....	14,974.06	768.75
11 14 13 16-0034 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel .....	16,340.11	768.75
<b>11 14 13 16-0035 Powder Coated Steel</b> <small>(11 14 13 16-0028)</small>		
11 14 13 16-0036 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel .....	7,665.37	515.26
11 14 13 16-0037 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel .....	8,691.17	515.26
11 14 13 16-0038 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel .....	22,250.67	768.75
11 14 13 16-0039 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel .....	16,505.18	768.75
11 14 13 16-0040 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel .....	17,874.60	768.75
<b>11 14 13 16-0041 Anodized Aluminum</b> <small>(11 14 13 16-0028)</small>		
11 14 13 16-0042 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms .....	7,833.81	515.26
11 14 13 16-0043 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms .....	8,355.98	515.26
11 14 13 16-0044 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum .....	14,335.60	515.26
11 14 13 16-0045 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms .....	16,695.52	768.75
11 14 13 16-0046 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms .....	18,698.27	768.75
11 14 13 16-0047 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum .....	28,257.24	768.75
<b>11 14 13 16-0048 Stainless Steel</b> <small>(11 14 13 16-0028)</small>		
11 14 13 16-0049 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel .....	13,390.65	515.26
11 14 13 16-0050 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel .....	14,384.44	515.26
11 14 13 16-0051 EA One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel .....	23,374.16	768.75
11 14 13 16-0052 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel.....	26,801.92	768.75
11 14 13 16-0053 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel.....	29,663.71	768.75
<b>11 14 13 16-0054 Transparent</b> <small>(11 14 13 16-0028)</small>		
11 14 13 16-0055 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms .....	23,301.66	515.34
11 14 13 16-0056 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms .....	24,709.82	515.34
11 14 13 16-0057 EA One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels .....	25,324.62	515.34
11 14 13 16-0058 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms.....	41,774.55	768.75
11 14 13 16-0059 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms.....	44,486.43	768.75
<b>11 14 13 16-0060 Electrical, Two-Way</b> <small>(11 14 13 16-0001)</small>		
<b>11 14 13 16-0061 Galvanized Steel</b> <small>(11 14 13 16-0060)</small>		
11 14 13 16-0062 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel .....	7,325.12	515.26
11 14 13 16-0063 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel .....	8,270.07	515.26
11 14 13 16-0064 EA Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel .....	19,560.68	768.75
11 14 13 16-0065 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel .....	16,020.07	768.75
<b>11 14 13 16-0066 Powder Coated Steel</b> <small>(11 14 13 16-0060)</small>		
11 14 13 16-0067 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel .....	8,179.11	515.26
11 14 13 16-0068 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel .....	9,263.87	515.26
11 14 13 16-0069 EA Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel .....	22,759.36	768.75
11 14 13 16-0070 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel .....	17,559.61	768.75
<b>11 14 13 16-0071 Anodized Aluminum</b> <small>(11 14 13 16-0060)</small>		



<b>Equipment</b>	<b>11</b>	
<b>Vehicle And Pedestrian Equipment</b>	<b>11 10</b>	<b>11</b>
<b>Pedestrian Control Equipment</b>	<b>11 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 16-0072 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms .....	8,411.56	515.26
11 14 13 16-0073 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms .....	8,910.14	515.26
11 14 13 16-0074 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum .....	15,007.67	515.26
11 14 13 16-0075 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms .....	17,872.91	768.75
11 14 13 16-0076 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum .....	29,350.41	768.75
<b>11 14 13 16-0077 Stainless Steel</b> <small>(11 14 13 16-0060)</small>		
11 14 13 16-0078 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel .....	13,959.97	515.26
11 14 13 16-0079 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel .....	14,970.61	515.26
11 14 13 16-0080 EA Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel .....	23,791.89	768.75
11 14 13 16-0081 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel .....	27,644.12	768.75
11 14 13 16-0082 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel .....	30,825.95	768.75
<b>11 14 13 16-0083 Transparent</b> <small>(11 14 13 16-0060)</small>		
11 14 13 16-0084 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms .....	23,790.13	515.34
11 14 13 16-0085 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms .....	25,114.07	515.34
11 14 13 16-0086 EA Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels .....	25,873.74	515.34
11 14 13 16-0087 EA Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms .....	42,802.03	768.75
11 14 13 16-0088 EA One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms .....	45,328.63	768.75
<b>11 14 13 16-0089 Electrical Options</b> <small>(11 14 13 16-0001)</small>		
11 14 13 16-0090 EA Additional Set Of Electric Controls, Per Rotor, Add .....	560.91	
11 14 13 16-0091 EA Indicator Lights, Set, Red/Green, Per Controlled Direction, Add .....	394.15	
11 14 13 16-0092 EA Time-Out-Relay, Per Controlled Direction .....	129.70	
11 14 13 16-0093 EA Pulse-Relay, Per Controlled Direction .....	129.70	
11 14 13 16-0094 EA Pushbutton, Per Controlled Direction .....	102.75	
11 14 13 16-0095 EA Heel Protectors, (Per Heel Protector), Add .....	101.06	
11 14 13 16-0096 EA Card Reader Mounting Pad, Per Reader .....	92.64	
11 14 13 16-0097 EA Hydraulic Speed Control (Per Rotor), Add .....	2,353.11	
<b>11 14 13 16-0098 Relocate Rotary Gate</b> <small>(11 14 13 16-0001)</small>		
11 14 13 16-0099 EA Relocate Rotary Gate .....	1,513.57	
<b>11 14 13 19 Turnstiles</b> <small>(11 14 13)</small>		
<b>11 14 13 19-0001 Security Turnstiles</b> <small>(11 14 13 19)</small>		
11 14 13 19-0002 EA 7' Security Turnstile With Automatic Control Free Turning .....	6,103.85	255.74
Note: One direction, Type B.		
11 14 13 19-0003 EA 7' Security Turnstile, Type B Free Turning In Both Directions .....	5,264.20	255.74
11 14 13 19-0004 EA 7' Security Turnstile With Automatic Control Free Turning .....	7,406.51	255.74
Note: One direction, Type AA.		
11 14 13 19-0005 EA 7' Security Turnstile, Type AA Free Turning In Both Directions .....	6,637.76	255.74
<b>11 14 13 19-0006 Turnstiles</b> <small>(11 14 13 19)</small>		
11 14 13 19-0007 EA 24" Diameter Manual Turnstile, Three Arm, Two Way .....	1,333.22	149.64
11 14 13 19-0008 EA 24" Diameter Manual Turnstile, Three Arm, Two Way With Counter .....	1,807.50	149.64
<b>11 14 16 Pedestrian Control Devices</b> <small>(11 14)</small>		
<b>11 14 16 00-0001 Retractable Barrier</b> <small>(11 14 16)</small>		
11 14 16 00-0002 EA Wall Mounted, Retractable Belt Barrier With Receiver; 6-1/2' (WG269387BK) .....	48.48	8.77
11 14 16 00-0003 EA Wall Mounted, Retractable Belt Barrier With Receiver; 10' (WGB2093791) .....	92.48	8.77
11 14 16 00-0004 EA Wall Mounted, Retractable Belt Barrier With Receiver; 15' (WGB2093770) .....	114.48	8.77
11 14 16 00-0005 EA Wall Mounted, Retractable Belt Barrier With Receiver; 30' (WGB2093771) .....	191.48	8.77
<b>11 20 Commercial Equipment</b> <small>(11)</small>		
<b>11 21 Retail and Service Equipment</b> <small>(11 20)</small>		
<b>11 21 63 Refrigerated Display Equipment</b> <small>(11 21)</small>		
<b>11 21 63 00-0001 Dairy Products</b> <small>(11 21 63)</small>		
<b>11 21 63 00-0002 Refrigerated Dairy Case</b> <small>(11 21 63 00-0001)</small>		
11 21 63 00-0003 LF Refrigerated Case, Dairy, Multi-Deck .....	1,284.42	218.13
For Rear Sliding Doors, Add	19.95	
<b>11 21 63 00-0004 Refrigerated Milk Unit</b> <small>(11 21 63 00-0001)</small>		
11 21 63 00-0005 EA 46" x 32" x 49-1/2" Capacity; 12, 13" x 13" x 11" Refrigerated Milk Unit .....	6,555.60	154.51



<b>11</b>	<b>11 Equipment</b>
	<b>11 20 Commercial Equipment</b>
	<b>11 21 Retail and Service Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>11 21 63 00-0006</b>	<b>Refrigerated Ice Cream And Milk Dispenser</b> <small>(11 21 63 00-0001)</small>		
11 21 63 00-0007	EA 63-1/2" x 28-1/2" x 35-3/8" Refrigerated Ice Cream And Milk Dispenser .....	7,268.82	169.69
<b>11 21 63 00-0008</b>	<b>Ice Cream Dispenser</b> <small>(11 21 63 00-0001)</small>		
11 21 63 00-0009	EA 46" x 28-1/2" x 35-3/8" Refrigerated Ice Cream Dispenser .....	6,070.74	142.88
<b>11 21 63 00-0010</b>	<b>Drop-In Ice Cream Freezer</b> <small>(11 21 63 00-0001)</small>		
11 21 63 00-0011	EA 27-7/8" x 16-9/16" x 28-1/4" 6 Gallon Drop-In Ice Cream Freezer .....	1,513.93	35.56
11 21 63 00-0012	EA 30" x 27-7/8" x 28-1/4" 12 Gallon Drop-In Ice Cream Freezer .....	1,978.34	46.50
<b>11 21 63 00-0013</b>	<b>Ice Cream Cabinets</b> <small>(11 21 63 00-0001)</small>		
11 21 63 00-0014	EA 46" x 32" x 42", 24 Gallon Ice Cream Cabinet .....	4,741.84	111.12
11 21 63 00-0015	EA 68" x 32" x 42", 48 Gallon Ice Cream Cabinet .....	6,754.08	160.37
<b>11 21 63 00-0016</b>	<b>Delicatessen Case, Service Deli</b> <small>(11 21 63)</small>		
11 21 63 00-0017	LF Delicatessen Case, Single-Deck .....	1,294.35	181.77
11 21 63 00-0018	LF Delicatessen Case, Multi-Deck .....	1,435.96	218.13
11 21 63 00-0019	EA Delicatessen Case, 3 Shelf, 32" x 23" x 23" .....	1,713.47	27.68
<b>11 21 63 00-0020</b>	<b>Meat Case</b> <small>(11 21 63)</small>		
11 21 63 00-0021	LF Meat Case, Single - Deck .....	926.64	218.13
11 21 63 00-0022	LF Meat Case, Multi - Deck .....	1,005.48	218.13
<b>11 21 63 00-0023</b>	<b>Produce Case</b> <small>(11 21 63)</small>		
11 21 63 00-0024	LF Produce Case, Single - Deck .....	968.66	218.13
11 21 63 00-0025	LF Produce Case, Multi - Deck .....	1,072.52	218.13
<b>11 21 63 00-0026</b>	<b>Bottle Coolers</b> <small>(11 21 63)</small>		
11 21 63 00-0027	EA Bottle Cooler, 6' Long .....	3,631.98	727.10
11 21 63 00-0028	EA Bottle Cooler, 10' Long .....	5,440.30	1,090.65
<b>11 21 63 00-0029</b>	<b>Cold Pan Units</b> <small>(11 21 63)</small>		
11 21 63 00-0030	EA 5" x 48", Iced, Cold Pan Units .....	2,426.97	56.59
11 21 63 00-0031	EA 5" x 72", Iced, Cold Pan Units .....	3,371.66	79.16
11 21 63 00-0032	EA 8" x 72", Iced, Cold Pan Units .....	3,986.60	93.62
11 21 63 00-0033	EA 5" x 48", Mechanical, Cold Pan Units .....	4,098.13	96.73
11 21 63 00-0034	EA 8" x 48", Mechanical, Cold Pan Units .....	4,460.68	104.42
11 21 63 00-0035	EA 8" x 72", Mechanical, Cold Pan Units .....	5,300.46	123.40
<b>11 21 63 00-0036</b>	<b>Cold Cabinets (Insulated)</b> <small>(11 21 63)</small>		
11 21 63 00-0037	EA 69-3/4" x 32" x 24", Insulated Cold Cabinet .....	2,204.53	48.96

**11 22 Banking Equipment** (11 20)

**11 22 13 Vault Equipment** (11 22)

**11 22 13 16 Safes** (11 22 13)

**11 22 13 16-0001 In Room Safes** (11 22 13 16)

11 22 13 16-0002	EA 8-1/8" x 7-3/16" x 10-3/16" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 25) .....	452.87	3.93
11 22 13 16-0003	EA 8-1/8" x 7-3/16" x 16-5/8" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 41) .....	423.33	3.93
11 22 13 16-0004	EA 8-1/8" x 7-3/16" x 19-13/16" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 49) .....	441.06	3.93
11 22 13 16-0005	EA 8-1/8" x 7-3/16" x 10-3/16" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 25) .....	494.23	3.93
	Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.		
11 22 13 16-0006	EA 8-1/8" x 7-3/16" x 16-5/8" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 41) .....	511.95	3.93
	Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.		
11 22 13 16-0007	EA 8-1/8" x 7-3/16" x 19-13/16" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 49) .....	529.67	3.93
	Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.		
11 22 13 16-0008	EA 7-5/8" x 14" x 10-11/16" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 27) .....	331.95	4.91
	Note: Includes security wire.		
11 22 13 16-0009	EA 7-5/8" x 14" x 17-1/2" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 43) .....	343.77	4.91
	Note: Includes security wire.		
11 22 13 16-0010	EA 7-5/8" x 14" x 20-3/16" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 50) .....	355.59	4.91
	Note: Includes security wire.		

**11 28 Office Equipment** (11 20)



<b>Equipment</b>	<b>11</b>	
<b>Commercial Equipment</b>	<b>11 20</b>	<b>11</b>
<b>Office Equipment</b>	<b>11 28</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**11 28 13 Computers** (11 28)

**11 28 13 00-0001 Accessories** (11 28 13)

11 28 13 00-0002	EA	32" Wall Track, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-KN-020)	656.35	36.69
11 28 13 00-0003	EA	32" Wall Track, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-KU-020)	805.81	40.36
11 28 13 00-0004	EA	32" Wall Track, eDesk, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-EN-020)	1,049.64	44.03
11 28 13 00-0005	EA	32" Wall Track, eDesk, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-EU-020)	1,135.11	47.69
11 28 13 00-0006	EA	32" Wall Track, 18" Extension Arm, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-KN-020)	837.96	40.36
11 28 13 00-0007	EA	32" Wall Track, 18" Extension Arm, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-KU-020)	874.32	40.36
11 28 13 00-0008	EA	32" Wall Track, eDesk, 18" Extension Arm, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-EN-020)	1,238.60	51.36
11 28 13 00-0009	EA	32" Wall Track, eDesk, 18" Extension Arm, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-EU-020)	1,316.73	51.36
11 28 13 00-0010	EA	25" Wall Track, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (Ergotron 45-271-026)	696.91	40.36
11 28 13 00-0011	EA	37" To 61" Universal Tilt Flat Monitor Wall Mount (Premier Mounts CTM-MS2)	196.81	40.36
11 28 13 00-0012	EA	32" To 56" Universal Tilt Flat Monitor Wall Mount (Peerless ST650P)	142.49	40.36

**11 30 Residential Equipment** (11)

**11 30 13 Residential Appliances** (11 30)

**11 30 13 13 Residential Kitchen Appliances** (11 30 13)

Note: Includes standard colors. Excludes stainless steel.

**11 30 13 13-0001 Ranges With Ovens** (11 30 13 13)

Note: Free standing or slide in.

**11 30 13 13-0002 Electric Ranges With Ovens** (11 30 13 13-0001)

11 30 13 13-0003	EA	20" Electric Range With Oven	523.16	38.97
		<i>For Stainless Steel, Add</i>	111.31	
11 30 13 13-0004	EA	24" Electric Range With Oven	548.67	38.97
		<i>For Stainless Steel, Add</i>	117.68	
11 30 13 13-0005	EA	30" Electric Range With Oven	586.94	38.97
		<i>For Stainless Steel, Add</i>	127.25	
11 30 13 13-0006	EA	30" Free-Standing Electric Range With Oven (Hotpoint® RB525DHWW)	521.04	38.97

**11 30 13 13-0007 Gas Ranges With Ovens** (11 30 13 13-0001)

11 30 13 13-0008	EA	20" Gas Range With Oven	586.94	38.97
		<i>For Stainless Steel, Add</i>	127.25	
11 30 13 13-0009	EA	24" Gas Range With Oven	620.11	38.97
		<i>For Stainless Steel, Add</i>	135.54	
11 30 13 13-0010	EA	30" Gas Range With Oven	650.73	38.97
		<i>For Stainless Steel, Add</i>	143.20	

**11 30 13 13-0011 Range Hoods** (11 30 13 13)

**11 30 13 13-0012 Venting Range Hoods** (11 30 13 13-0011)

11 30 13 13-0013	EA	21" Venting Range Hood (Broan 40000)	158.83	29.22
		<i>For Stainless Steel, Add</i>	15.06	
11 30 13 13-0014	EA	24" Venting Range Hood (Broan 40000)	143.92	29.22
		<i>For Stainless Steel, Add</i>	12.82	
11 30 13 13-0015	EA	30" Venting Range Hood (Broan 40000)	141.31	29.22
		<i>For Stainless Steel, Add</i>	12.43	
11 30 13 13-0016	EA	36" Venting Range Hood (Broan 40000)	143.92	29.22
		<i>For Stainless Steel, Add</i>	12.82	

**11 30 13 13-0017 Non-Ducted Range Hoods** (11 30 13 13-0011)

11 30 13 13-0018	EA	21" Non Ducted Range Hood (Broan 41000)	160.76	29.22
		<i>For Stainless Steel, Add</i>	15.35	
11 30 13 13-0019	EA	24" Non Ducted Range Hood (Broan 41000)	145.90	29.22
		<i>For Stainless Steel, Add</i>	13.12	
11 30 13 13-0020	EA	30" Non Ducted Range Hood (Broan 41000)	143.27	29.22
		<i>For Stainless Steel, Add</i>	12.72	
11 30 13 13-0021	EA	36" Non Ducted Range Hood (Broan 41000)	145.90	29.22
		<i>For Stainless Steel, Add</i>	13.12	

**11 30 13 13-0022 Microwaves** (11 30 13 13)

**11 30 13 13-0023 Countertop Microwaves** (11 30 13 13-0022)

11 30 13 13-0024	EA	1.1 CF Countertop Microwave Oven	114.35	4.87
		<i>For Stainless Steel, Add</i>	15.69	
11 30 13 13-0025	EA	1.2 CF Countertop Microwave Oven	137.30	4.87
		<i>For Stainless Steel, Add</i>	19.13	

**11 Equipment**  
**11 30 Residential Equipment**  
**11 30 13 Residential Appliances**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0026 EA 1.3 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	141.12 19.71	4.87
11 30 13 13-0027 EA 1.4 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	174.31 24.69	4.87
11 30 13 13-0028 EA 1.5 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	187.06 26.60	4.87
11 30 13 13-0029 EA 1.6 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	199.82 28.51	4.87
11 30 13 13-0030 EA 1.7 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	212.58 30.43	4.87
11 30 13 13-0031 EA 1.8 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	225.33 32.34	4.87
11 30 13 13-0032 EA 2.0 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	239.35 34.44	4.87
<b>11 30 13 13-0033 Over-The-Range Microwaves</b> <small>(11 30 13 13-0022)</small>		
11 30 13 13-0034 EA 1.5 CF Over-The Range Microwave ..... <i>For Stainless Steel, Add</i>	384.49 48.91	38.96
11 30 13 13-0035 EA 1.6 CF Over-The Range Microwave ..... <i>For Stainless Steel, Add</i>	439.86 57.21	38.96
11 30 13 13-0036 EA 1.7 CF Over-The Range Microwave ..... <i>For Stainless Steel, Add</i>	457.71 59.89	38.96
11 30 13 13-0037 EA 1.8 CF Over-The Range Microwave ..... <i>For Stainless Steel, Add</i>	591.66 79.98	38.96
11 30 13 13-0038 EA 2.0 CF Over-The Range Microwave ..... <i>For Stainless Steel, Add</i>	465.38 61.04	38.96
11 30 13 13-0039 EA 1.6 CF Over-the-Range Microwave (Hotpoint® RVM5160DHWW).....	256.88	29.22
<b>11 30 13 13-0040 Trash Compactors</b> <small>(11 30 13 13)</small>		
11 30 13 13-0041 EA 15" Built-In Trash Compactor, 4 To 1 Compaction..... <i>For Stainless Steel, Add</i>	905.87 149.03	38.97
<b>11 30 13 13-0042 Refrigerators</b> <small>(11 30 13 13)</small>		
<b>11 30 13 13-0043 Top Freezer Refrigerators</b> <small>(11 30 13 13-0042)</small>		
11 30 13 13-0044 EA Up To 10 CF Top Freezer Refrigerator..... <i>For Stainless Steel, Add</i>	447.18 61.23	19.48
11 30 13 13-0045 EA >10 To 12 CF Top Freezer Refrigerator..... <i>For Stainless Steel, Add</i>	547.97 76.35	19.48
11 30 13 13-0046 EA >12 To 14 CF Top Freezer Refrigerator..... <i>For Stainless Steel, Add</i>	613.02 86.11	19.48
11 30 13 13-0047 EA >14 To 16 CF Top Freezer Refrigerator..... <i>For Stainless Steel, Add</i>	651.29 91.85	19.48
11 30 13 13-0048 EA >16 To 18 CF Top Freezer Refrigerator..... <i>For Stainless Steel, Add</i>	753.35 107.16	19.48
11 30 13 13-0049 EA >18 To 20 CF Top Freezer Refrigerator..... <i>For Stainless Steel, Add</i>	841.39 120.36	19.48
11 30 13 13-0050 EA >20 To 22 CF Top Freezer Refrigerator..... <i>For Stainless Steel, Add</i>	906.43 130.12	19.48
11 30 13 13-0051 EA 14.6 CF, Top-Freezer Refrigerator (Hotpoint® ENERGY STAR® HPE15BTHWW).....	720.42	19.48
<b>11 30 13 13-0052 Side-By-Side Refrigerators</b> <small>(11 30 13 13-0042)</small>		
11 30 13 13-0053 EA Up To 22 CF Side-By-Side Refrigerator..... <i>For Stainless Steel, Add</i>	931.81 133.93	19.48
11 30 13 13-0054 EA >22 To 24 CF Side-By-Side Refrigerator ..... <i>For Stainless Steel, Add</i>	1,161.57 168.39	19.48
11 30 13 13-0055 EA >24 To 26 CF Side-By-Side Refrigerator ..... <i>For Stainless Steel, Add</i>	1,314.66 191.35	19.48
<b>11 30 13 13-0056 Other Refrigerators</b> <small>(11 30 13 13-0042)</small>		
11 30 13 13-0057 EA 1.7 CF Dormitory Sized Refrigerator..... <i>For Stainless Steel, Add</i>	144.63 18.77	9.74
11 30 13 13-0058 EA 4.4 CF Dormitory Sized Refrigerator..... <i>For Stainless Steel, Add</i>	202.03 27.38	9.74
<b>11 30 13 13-0059 Freezers</b> <small>(11 30 13 13)</small>		
<b>11 30 13 13-0060 Upright Freezers</b> <small>(11 30 13 13-0059)</small>		
11 30 13 13-0061 EA Up To 10 CF Upright Freezer..... <i>For Stainless Steel, Add</i>	420.40 57.21	19.48
11 30 13 13-0062 EA >10 To 12 CF Upright Freezer ..... <i>For Stainless Steel, Add</i>	547.97 76.35	19.48
11 30 13 13-0063 EA >12 To 14 CF Upright Freezer ..... <i>For Stainless Steel, Add</i>	586.25 82.09	19.48
11 30 13 13-0064 EA >14 To 16 CF Upright Freezer ..... <i>For Stainless Steel, Add</i>	675.54 95.49	19.48



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0065 EA >16 To 18 CF Upright Freezer..... <i>For Stainless Steel, Add</i>	778.86 110.98	19.48
11 30 13 13-0066 EA >18 To 20 CF Upright Freezer..... <i>For Stainless Steel, Add</i>	829.90 118.64	19.48
11 30 13 13-0067 EA >20 To 22 CF Upright Freezer..... <i>For Stainless Steel, Add</i>	868.16 124.38	19.48
<b>11 30 13 13-0068 Chest Freezers</b> <small>(11 30 13 13-0059)</small>		
11 30 13 13-0069 EA Up To 8 CF Chest Freezer..... <i>For Stainless Steel, Add</i>	332.37 44.01	19.48
11 30 13 13-0070 EA >8 To 10 CF Chest Freezer..... <i>For Stainless Steel, Add</i>	421.67 57.41	19.48
11 30 13 13-0071 EA >10 To 12 CF Chest Freezer..... <i>For Stainless Steel, Add</i>	453.57 62.19	19.48
11 30 13 13-0072 EA >12 To 14 CF Chest Freezer..... <i>For Stainless Steel, Add</i>	510.97 70.80	19.48
11 30 13 13-0073 EA >14 To 16 CF Chest Freezer..... <i>For Stainless Steel, Add</i>	547.97 76.35	19.48
11 30 13 13-0074 EA >16 To 18 CF Chest Freezer..... <i>For Stainless Steel, Add</i>	675.54 95.49	19.48
11 30 13 13-0075 EA >18 To 20 CF Chest Freezer..... <i>For Stainless Steel, Add</i>	841.39 120.36	19.48
11 30 13 13-0076 EA >20 To 22 CF Chest Freezer..... <i>For Stainless Steel, Add</i>	868.16 124.38	19.48
<b>11 30 13 13-0077 Automatic Ice Makers</b> <small>(11 30 13 13)</small>		
11 30 13 13-0078 EA 15" Wide, 50 LB Per Day, Automatic Ice Maker .....	1,606.23	38.97
11 30 13 13-0079 EA 18" Wide, 50 LB Per Day, Automatic Ice Maker .....	1,797.58	38.97
<b>11 30 13 13-0080 Built-In Dishwashers</b> <small>(11 30 13 13)</small>		
11 30 13 13-0081 EA 18" Built-In Dishwasher..... <i>For Stainless Steel, Add</i>	754.05 101.42	38.97
11 30 13 13-0082 EA 24" Built-In Dishwasher..... <i>For Stainless Steel, Add</i>	486.15 61.23	38.97
<b>11 30 13 13-0083 Disposals</b> <small>(11 30 13 13)</small>		
11 30 13 13-0084 EA 1/3 HP Insulated Garbage Disposal (GE GFC320V) .....	146.47	29.22
11 30 13 13-0085 EA 1/2 HP Insulated Garbage Disposal (GE GFC520V) .....	171.99	29.22
11 30 13 13-0086 EA 3/4 HP Insulated Garbage Disposal (GE GFC720V) .....	235.77	29.22
11 30 13 13-0087 EA 1 HP Insulated Garbage Disposal (GE GFC1020V) .....	299.56	29.22
<b>11 30 13 13-0088 Removal And Reinstallation Of Kitchen Equipment</b> <small>(11 30 13 13)</small>		
Note: Includes storage, cleaning and final connections.		
11 30 13 13-0089 EA Removal And Reinstallation Of Garbage Disposal .....	58.45	
11 30 13 13-0090 EA Removal And Reinstallation Of Stove/Range .....	116.89	
11 30 13 13-0091 EA Removal And Reinstallation Of Dishwasher .....	124.69	
11 30 13 13-0092 EA Removal And Reinstallation Of Range Hood .....	58.45	
11 30 13 13-0093 EA Removal And Reinstallation Of Washer And Dryer.....	97.41	
<b>11 30 13 13-0094 Appliance Repair</b> <small>(11 30 13 13)</small>		
Note: Includes removal.		
11 30 13 13-0095 EA 8" Burner Replacement.....	20.45	
11 30 13 13-0096 EA 4" Burner Element Replacement.....	36.43	
11 30 13 13-0097 EA 8" Burner Element Replacement.....	41.86	
11 30 13 13-0098 EA Burner Manifold Replacement .....	139.00	
11 30 13 13-0099 EA Burner Switch Replacement .....	57.58	
11 30 13 13-0100 EA Burner Tube, 5/8" x 4" Replacement .....	26.37	
11 30 13 13-0101 EA Oven Control Replacement.....	69.61	
11 30 13 13-0102 EA Oven Door Gasket Replacement .....	27.26	
11 30 13 13-0103 EA Oven Element Replacement .....	65.49	
11 30 13 13-0104 EA Oven Igniter Replacement .....	47.28	
11 30 13 13-0105 EA Oven Knobs Replacement .....	36.24	
<b>11 30 13 13-0106 Accessories</b> <small>(11 30 13 13)</small>		
11 30 13 13-0107 SF Colored Metal Range Splash Plate.....	10.51	1.56
11 30 13 13-0108 SF Stainless Steel Range Splash Plate .....	16.45	1.56
<b>11 30 13 13-0109 Automatic Water Softener</b> <small>(11 30 13 13)</small>		
11 30 13 13-0110 EA 30,000 Grain Capacity, Water Softener (Whirlpool WHES30) .....	818.44	130.38
11 30 13 13-0111 EA 40,000 Grain Capacity, Water Softener (Whirlpool WHES40) .....	975.14	130.38

**11 30 13 23 Residential Laundry Appliances** (11 30 13)

<b>11</b>	<b>Equipment</b>
<b>11 30</b>	<b>Residential Equipment</b>
<b>11 30 13</b>	<b>Residential Appliances</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>11 30 13 23-0001</b> Washing Machines And Dryers <small>(11 30 13 23)</small>		
<b>11 30 13 23-0002</b> Washing Machines <small>(11 30 13 23-0001)</small>		
11 30 13 23-0003 EA Up To 3.5 CF, Top Load Washing Machine.....	581.47	38.97
11 30 13 23-0004 EA >3.5 To 4 CF, Top Load Washing Machine.....	951.43	38.97
11 30 13 23-0005 EA >4 To 5 CF, Top Load Washing Machine.....	1,270.35	38.97
<b>11 30 13 23-0006</b> Dryers <small>(11 30 13 23-0001)</small>		
<b>11 30 13 23-0007</b> Electric Dryers <small>(11 30 13 23-0006)</small>		
11 30 13 23-0008 EA Up To 6 CF, Electric Dryer.....	439.88	38.97
11 30 13 23-0009 EA >6 To 6.5 CF, Electric Dryer.....	568.72	38.97
11 30 13 23-0010 EA >6.5 To 7 CF, Electric Dryer.....	709.04	38.97
11 30 13 23-0011 EA >7 To 7.5 CF, Electric Dryer.....	811.10	38.97
<b>11 30 13 23-0012</b> Gas Dryers <small>(11 30 13 23-0006)</small>		
11 30 13 23-0013 EA Up To 6 CF, Gas Dryer.....	530.45	38.97
11 30 13 23-0014 EA >6 To 6.5 CF, Gas Dryer.....	658.02	38.97
11 30 13 23-0015 EA >6.5 To 7 CF, Gas Dryer.....	785.45	38.97
11 30 13 23-0016 EA >7 To 7.5 CF, Gas Dryer.....	900.40	38.97

### 11 30 33 Retractable Stairs (11 30)

<b>11 30 33 00-0001</b> Disappearing Folding Access Stairs <small>(11 30 33)</small>		
<b>11 30 33 00-0002</b> 250 LB Capacity, Wood Folding Access Stairs <small>(11 30 33 00-0001)</small>		
11 30 33 00-0003 EA 22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity.....	391.50	78.59
11 30 33 00-0004 EA 22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity.....	402.76	78.59
11 30 33 00-0005 EA 25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity.....	402.76	78.59
11 30 33 00-0006 EA 25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity.....	413.75	78.59
<b>11 30 33 00-0007</b> 350 LB Capacity, Wood Folding Access Stairs <small>(11 30 33 00-0001)</small>		
11 30 33 00-0008 EA 22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	494.33	78.59
11 30 33 00-0009 EA 22-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	517.11	78.59
11 30 33 00-0010 EA 25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	507.74	78.59
11 30 33 00-0011 EA 25-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	529.51	78.59
11 30 33 00-0012 EA 30" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	520.75	78.59
11 30 33 00-0013 EA 30" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity.....	558.37	78.59
<b>11 30 33 00-0014</b> 400 LB Capacity, Wood One Piece Pull Down Access Stairs <small>(11 30 33 00-0001)</small>		
Note: Ladder width 17 1/16", 1x4 treads, 1x4 stringers. Bessler Stairway Company, Model 20.		
11 30 33 00-0015 EA 24" x 48" Rough Opening, 7' 7" To 7' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 LB Capacity.....	1,131.81	78.59
11 30 33 00-0016 EA 24" x 48" Rough Opening, 7' 11" To 8' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 LB Capacity.....	1,179.37	78.59
11 30 33 00-0017 EA 24" x 48" Rough Opening, 8' 5" To 8' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 LB Capacity.....	1,226.92	78.59
11 30 33 00-0018 EA 24" x 48" Rough Opening, 8' 11" To 9' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 LB Capacity.....	1,258.63	78.59
<b>11 30 33 00-0019</b> 600 LB Capacity, Wood One Piece Pull Down Access Stairs <small>(11 30 33 00-0001)</small>		
Note: Ladder width 17 1/16", 1x6 treads, 1x6 stringers. Bessler Stairway Company, Model 40.		
11 30 33 00-0020 EA 24" x 66" Rough Opening, 7' 7" To 7' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 LB Capacity.....	1,369.60	78.59
For Ladder Width 18 7/8" Wide, Add	175.97	
11 30 33 00-0021 EA 24" x 66" Rough Opening, 7' 11" To 8' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 LB Capacity.....	1,401.31	78.59
For Ladder Width 18 7/8" Wide, Add	180.72	
11 30 33 00-0022 EA 24" x 66" Rough Opening, 8' 5" To 8' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 LB Capacity.....	1,417.16	78.59
For Ladder Width 18 7/8" Wide, Add	183.10	
11 30 33 00-0023 EA 24" x 66" Rough Opening, 8' 11" To 9' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 LB Capacity.....	1,464.72	78.59
For Ladder Width 18 7/8" Wide, Add	190.24	
11 30 33 00-0024 EA 24" x 72" Rough Opening, 9' 5" To 9' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 LB Capacity.....	1,547.78	78.59
For Ladder Width 18 7/8" Wide, Add	199.75	
11 30 33 00-0025 EA 24" x 72" Rough Opening, 9' 11" To 10' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 LB Capacity.....	1,627.05	78.59
For Ladder Width 18 7/8" Wide, Add	211.64	
11 30 33 00-0026 EA 24" x 72" Rough Opening, 10' 5" To 10' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 LB Capacity.....	1,706.31	78.59
For Ladder Width 18 7/8" Wide, Add	223.53	



<b>Equipment</b>	<b>11</b>	
<b>Residential Equipment</b>	<b>11 30</b>	<b>11</b>
<b>Retractable Stairs</b>	<b>11 30 33</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>11 30 33 00-0027</b> 800 LB Capacity, Wood One Piece Pull Down Access Stairs <small>(11 30 33 00-0001)</small>		
Note: Ladder width 18 7/8", 1x8 treads, 1x8 stringers. Bessler Stairway Company, Model 100.		
11 30 33 00-0028 EA 30" x 70" Rough Opening, 7' 7" To 7' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity .....	2,720.90	78.59
11 30 33 00-0029 EA 30" x 70" Rough Opening, 7' 11" To 8' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity .....	2,752.61	78.59
11 30 33 00-0030 EA 30" x 70" Rough Opening, 8' 5" To 8' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity .....	2,784.32	78.59
11 30 33 00-0031 EA 30" x 72" Rough Opening, 8' 11" To 9' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity .....	2,863.58	78.59
11 30 33 00-0032 EA 30" x 76" Rough Opening, 9' 5" To 9' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity .....	2,930.78	78.59
11 30 33 00-0033 EA 30" x 80" Rough Opening, 9' 11" To 10' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity .....	2,978.34	78.59
11 30 33 00-0034 EA 30" x 84" Rough Opening, 10' 5" To 10' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity .....	3,057.60	78.59
11 30 33 00-0035 EA 30" x 87" Rough Opening, 10' 11" To 11' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity .....	3,188.22	78.59
11 30 33 00-0036 EA 30" x 90" Rough Opening, 11' 5" To 11' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity .....	3,330.90	78.59
11 30 33 00-0037 EA 30" x 93" Rough Opening, 11' 11" To 12' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity .....	3,505.28	78.59
11 30 33 00-0038 EA 30" x 96" Rough Opening, 12' 5" To 12' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity .....	3,663.82	78.59
<b>11 30 33 00-0039</b> 300 LB Capacity, Aluminum Folding Access Stairs <small>(11 30 33 00-0001)</small>		
11 30 33 00-0040 EA 22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity .....	474.79	78.59
11 30 33 00-0041 EA 22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity .....	504.35	78.59
11 30 33 00-0042 EA 25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity .....	483.03	78.59
11 30 33 00-0043 EA 25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity .....	512.57	78.59
11 30 33 00-0044 EA 25-1/2" x 54" Rough Opening, 10' 5" To 12' Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity .....	677.10	78.59
<b>11 30 33 00-0045</b> 300 LB Capacity, Steel Folding Access Stairs <small>(11 30 33 00-0001)</small>		
11 30 33 00-0046 EA 22-1/2" x 54" Rough Opening, 7' 3" To 8' 4" Ceiling Height, Steel Folding Access Stairs, 300 LB Capacity .....	487.70	78.59
11 30 33 00-0047 EA 22-1/2" x 54" Rough Opening, 8' 4" To 10' 3" Ceiling Height, Steel Folding Access Stairs, 300 LB Capacity .....	522.79	78.59
<b>11 32 Unit Kitchens</b> <small>(11 30)</small>		
<b>11 32 13 Metal Unit Kitchens</b> <small>(11 32)</small>		
Note: Includes electrical hook-up to outlet, supply line connection to service stops, and drain line and p-trap. Excludes garbage disposer and hood exhaust vent piping.		
<b>11 32 13 00-0001</b> 30" Compact Kitchen <small>(11 32 13)</small>		
11 32 13 00-0002 EA 30" Compact Unit Kitchen With Refrigerator, Range And Sink .....	2,339.03	354.04
<i>For Gas Unit, Add</i>		
	280.05	
11 32 13 00-0003 EA 30" Compact Unit Kitchen With Refrigerator And Sink .....	2,072.39	247.83
11 32 13 00-0004 EA 30" Compact Unit Kitchen With Refrigerator And Range .....	1,918.60	212.43
11 32 13 00-0005 EA 30" Compact Unit Kitchen Cabinet For Upper Wall Section .....	449.73	58.90
<i>For Range Hood In Upper Section, Add</i>		
	179.00	
11 32 13 00-0006 EA 30" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section .....	1,096.17	78.53
<i>For Range Hood In Upper Section, Add</i>		
	179.00	
11 32 13 00-0007 EA 30" Compact Unit Kitchen Stainless Steel Shield For Rear Wall .....	67.30	7.79
11 32 13 00-0008 EA 30" Compact Unit Kitchen Stainless Steel Shield For Side Wall .....	58.11	7.79
<b>11 32 13 00-0009</b> 42" Compact Kitchen <small>(11 32 13)</small>		
11 32 13 00-0010 EA 42" Compact Unit Kitchen With Refrigerator, Range And Sink .....	2,759.50	389.45
<i>For Gas Unit, Add</i>		
	336.04	
11 32 13 00-0011 EA 42" Compact Unit Kitchen With Refrigerator And Sink .....	2,540.43	318.64
11 32 13 00-0012 EA 42" Compact Unit Kitchen Cabinet For Upper Wall Section .....	603.75	66.75
<i>For Range Hood In Upper Section, Add</i>		
	179.00	
11 32 13 00-0013 EA 42" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section .....	1,283.17	88.35
<i>For Range Hood In Upper Section, Add</i>		
	179.00	
11 32 13 00-0014 EA 42" Compact Unit Kitchen Stainless Steel Shield For Rear Wall .....	84.75	7.79
11 32 13 00-0015 EA 42" Compact Unit Kitchen Stainless Steel Shield For Side Wall .....	66.65	7.79
<b>11 32 13 00-0016</b> 54" Compact Kitchen <small>(11 32 13)</small>		
11 32 13 00-0017 EA 54" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink .....	3,785.19	495.66
<i>For Gas Unit, Add</i>		
	468.65	
11 32 13 00-0018 EA 54" Compact Unit Kitchen Cabinet For Upper Wall Section .....	765.61	39.26
<i>For Range Hood In Upper Section, Add</i>		
	179.00	
11 32 13 00-0019 EA 54" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section .....	1,427.28	98.16
<i>For Range Hood In Upper Section, Add</i>		
	179.00	
11 32 13 00-0020 EA 54" Compact Unit Kitchen Stainless Steel Shield For Rear Wall .....	100.46	7.79
11 32 13 00-0021 EA 54" Compact Unit Kitchen Stainless Steel Shield For Side Wall .....	68.13	7.79
<b>11 32 13 00-0022</b> 60" Compact Kitchen <small>(11 32 13)</small>		

<b>11</b>	<b>Equipment</b>
<b>11 30</b>	<b>Residential Equipment</b>
<b>11 32</b>	<b>Unit Kitchens</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 32 13 00-0023	EA		60" Compact Unit Kitchen With Refrigerator, Oven, Range, And Sink.....	3,966.65	531.06
			<i>For Gas Unit, Add</i>	488.78	
11 32 13 00-0024	EA		60" Compact Unit Kitchen Cabinet For Upper Wall Section.....	887.87	98.16
			<i>For Range Hood In Upper Section, Add</i>	179.00	
11 32 13 00-0025	EA		60" Compact Unit Kitchen Stainless Steel Shield For Rear Wall .....	108.21	7.79
11 32 13 00-0026	EA		60" Compact Unit Kitchen Stainless Steel Shield For Side Wall .....	68.13	7.79
<b>11 32 13 00-0027</b>			<b>72" Compact Kitchen</b> <small>(11 32 13)</small>		
11 32 13 00-0028	EA		72" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink.....	4,258.75	566.47
			<i>For Gas Unit, Add</i>	525.52	
11 32 13 00-0029	EA		72" Compact Unit Kitchen Cabinet For Upper Wall Section.....	1,093.10	117.79
			<i>For Range Hood In Upper Section, Add</i>	179.00	
11 32 13 00-0030	EA		72" Compact Unit Kitchen Stainless Steel Shield For Rear Wall .....	128.07	9.74
11 32 13 00-0031	EA		72" Compact Unit Kitchen Stainless Steel Shield For Side Wall .....	69.89	9.74

## 11 40 Foodservice Equipment (11)

### 11 41 Foodservice Storage Equipment (11 40)

#### 11 41 13 Refrigerated Food Storage Cases (11 41)

##### 11 41 13 00-0001 Frozen Food Cases (11 41 13)

11 41 13 00-0002	LF		Chest Type Frozen Food Case.....	961.24	218.13
11 41 13 00-0003	LF		Reach-in Frozen Food Case (Glass Door).....	1,904.32	218.13
11 41 13 00-0004	LF		Island Type Frozen Food Case.....	1,127.90	218.13
11 41 13 00-0005	LF		Multi-Deck Frozen Food Case .....	1,823.66	218.13

##### 11 41 13 00-0006 Reach-In Refrigeration (11 41 13)

##### 11 41 13 00-0007 Reach-In Refrigerators (11 41 13 00-0006)

11 41 13 00-0008	EA		Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator .....	3,926.46	96.84
11 41 13 00-0009	EA		Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator .....	4,834.53	122.13
11 41 13 00-0010	EA		Three Section, 69.1 CF, Full Door, Self Contained, Reach-In Refrigerator.....	6,478.28	134.93
11 41 13 00-0011	EA		Single Section, Glass Door, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator .....	3,325.15	96.84
11 41 13 00-0012	EA		Two Section, Glass Door, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator .....	4,327.22	122.13
11 41 13 00-0013	EA		Three Section, Glass Door, 61.1 CF, Full Door, Self Contained, Reach-In Refrigerator .....	5,763.55	134.93
11 41 13 00-0014	EA		Single Section, Pass-Thru, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator.....	4,729.78	96.84
11 41 13 00-0015	EA		Two Section, Pass-Thru, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator.....	6,404.04	122.13
11 41 13 00-0016	EA		Single Section, Pass-Thru, Glass Door, 25.6 CF, Full Door, Self Contained, Reach-In Refrigerator.....	4,524.46	96.84
11 41 13 00-0017	EA		Two Section, Pass-Thru, Glass Door, 48.8 CF, Full Door, Self Contained, Reach-In Refrigerator .....	6,524.54	122.13

##### 11 41 13 00-0018 Reach-In Freezers (11 41 13 00-0006)

11 41 13 00-0019	EA		Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Freezer.....	4,424.54	96.95
11 41 13 00-0020	EA		Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Freezer.....	5,871.43	121.96

#### 11 41 23 Walk-In-Coolers (11 41)

##### 11 41 23 00-0001 Walk-In Refrigerated Boxes (11 41 23)

Note: Overall heights include 4" floor panel and 4" ceiling panel. See CSI section 11 41 23 00-0171 for air cooled condensing units for coolers and freezers, 11 41 23 00-0282 for accessories, 21 13 16 00-0000 for dry-pipe sprinkler heads, 26 50 00 00-0000 for lighting.

##### 11 41 23 00-0002 Walk-In Refrigerated Unit, 7'6" High With Floor (11 41 23 00-0001)

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.

11 41 23 00-0003	EA		6' x 6' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	6,675.12	478.85
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,509.14	
11 41 23 00-0004	EA		6' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	8,013.74	538.71
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,823.87	
11 41 23 00-0005	EA		6' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	8,455.72	598.55
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,914.41	
11 41 23 00-0006	EA		6' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	9,517.00	718.27
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,139.96	
11 41 23 00-0007	EA		6' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	10,967.98	837.98
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,462.82	
11 41 23 00-0008	EA		6' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	12,089.16	957.70
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,703.00	
11 41 23 00-0009	EA		6' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	13,188.67	1,077.40
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,938.03	



<b>Equipment</b>	<b>11</b>
<b>Foodservice Equipment</b>	<b>11 40</b>
<b>Foodservice Storage Equipment</b>	<b>11 41</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0010	EA		8' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	8,825.49	598.55
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,006.85	
11 41 23 00-0011	EA		8' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	9,655.42	658.41
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,194.44	
11 41 23 00-0012	EA		8' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	10,839.35	778.13
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,450.35	
11 41 23 00-0013	EA		8' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	12,443.95	897.84
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,811.71	
11 41 23 00-0014	EA		8' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	13,650.55	1,017.55
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,073.58	
11 41 23 00-0015	EA		8' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,899.61	1,137.26
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,345.75	
11 41 23 00-0016	EA		8' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,105.53	1,256.98
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,607.62	
11 41 23 00-0017	EA		8' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	17,349.79	1,376.68
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,878.43	
11 41 23 00-0018	EA		8' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	18,561.82	1,496.40
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,141.66	
11 41 23 00-0019			<b>Walk-In Refrigerated Unit, 7'6" High With Floor</b> <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.		
11 41 23 00-0020	EA		10' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	10,976.53	718.27
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,504.84	
11 41 23 00-0021	EA		10' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	12,283.29	837.98
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,791.65	
11 41 23 00-0022	EA		10' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	13,652.79	957.70
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,093.91	
11 41 23 00-0023	EA		10' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,938.80	1,077.40
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,375.57	
11 41 23 00-0024	EA		10' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,332.07	1,197.12
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,684.33	
11 41 23 00-0025	EA		10' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	17,615.58	1,316.83
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,964.64	
11 41 23 00-0026	EA		10' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,014.49	1,436.54
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,275.03	
11 41 23 00-0027	EA		10' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,293.79	1,556.25
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,555.06	
11 41 23 00-0028	EA		10' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	21,688.75	1,675.97
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,863.83	
11 41 23 00-0029	EA		10' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,976.19	1,795.67
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,145.49	
11 41 23 00-0030	EA		10' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,451.07	1,975.25
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,454.53	
11 41 23 00-0031	EA		10' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,806.72	2,154.81
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,734.56	
11 41 23 00-0032	EA		12' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	13,598.77	897.84
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,100.41	
11 41 23 00-0033	EA		12' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,130.68	1,017.55
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,443.61	
11 41 23 00-0034	EA		12' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,526.12	1,137.26
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,752.38	
11 41 23 00-0035	EA		12' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	18,050.85	1,256.98
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,093.95	
11 41 23 00-0036	EA		12' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,453.42	1,376.68
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,404.34	



**11 Equipment****11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0037	EA		12' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,977.74	1,496.40
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,745.64	
11 41 23 00-0038	EA		12' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,370.70	1,616.11
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,054.40	
11 41 23 00-0039	EA		12' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	23,904.41	1,735.83
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,397.60	
11 41 23 00-0040	EA		12' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,340.41	1,885.46
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,706.37	
11 41 23 00-0041	EA		12' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,945.85	2,065.03
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,047.94	
11 41 23 00-0042	EA		12' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,426.10	2,244.60
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,358.33	
11 41 23 00-0043	EA		12' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,028.14	2,424.17
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,699.63	
11 41 23 00-0044	EA		12' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,500.13	2,603.73
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,008.39	
<b>11 41 23 00-0045</b>			<b>Walk-In Refrigerated Unit, 7'6" High With Floor</b> <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.		
11 41 23 00-0046	EA		14' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	18,053.04	1,077.40
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,154.13	
11 41 23 00-0047	EA		14' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,778.12	1,197.12
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,545.85	
11 41 23 00-0048	EA		14' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	21,653.68	1,316.83
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,974.16	
11 41 23 00-0049	EA		14' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	23,378.98	1,436.54
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,366.15	
11 41 23 00-0050	EA		14' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,244.91	1,556.25
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,792.84	
11 41 23 00-0051	EA		14' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,979.27	1,675.97
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,186.46	
11 41 23 00-0052	EA		14' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,846.84	1,795.67
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,613.15	
11 41 23 00-0053	EA		14' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,653.52	1,975.25
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,005.14	
11 41 23 00-0054	EA		14' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,602.31	2,154.81
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,433.46	
11 41 23 00-0055	EA		14' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	34,418.20	2,334.38
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,825.18	
11 41 23 00-0056	EA		14' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	36,358.70	2,513.95
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,252.14	
11 41 23 00-0057	EA		14' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	38,173.29	2,663.59
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,645.48	
<b>11 41 23 00-0058</b>			<b>Walk-In Refrigerated Unit, 7'6" High With Floor</b> <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.		
11 41 23 00-0059	EA		16' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	21,695.33	1,256.98
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,005.07	
11 41 23 00-0060	EA		16' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	23,709.48	1,376.68
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,468.35	
11 41 23 00-0061	EA		16' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,654.52	1,496.40
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,914.83	
11 41 23 00-0062	EA		16' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,672.07	1,616.11
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,379.75	
11 41 23 00-0063	EA		16' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,618.91	1,735.83
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,826.22	



<b>Equipment</b>	<b>11</b>	
<b>Foodservice Equipment</b>	<b>11 40</b>	<b>11</b>
<b>Foodservice Storage Equipment</b>	<b>11 41</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0064	EA		16' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,672.99	1,885.46
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,289.51	
11 41 23 00-0065	EA		16' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	33,704.57	2,065.03
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,737.62	
11 41 23 00-0066	EA		16' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	35,796.39	2,244.60
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,200.90	
11 41 23 00-0067	EA		16' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	37,819.16	2,424.17
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,647.38	
11 41 23 00-0068	EA		16' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	39,915.73	2,603.73
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,112.29	
11 41 23 00-0069	EA		18' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,432.73	1,436.54
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,879.59	
11 41 23 00-0070	EA		18' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,504.68	1,556.25
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,357.79	
11 41 23 00-0071	EA		18' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,693.38	1,675.97
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,864.99	
11 41 23 00-0072	EA		18' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,761.56	1,795.67
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,341.83	
11 41 23 00-0073	EA		18' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	34,034.51	1,975.25
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,850.39	
11 41 23 00-0074	EA		18' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	36,177.40	2,154.81
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,327.23	
11 41 23 00-0075	EA		18' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	38,455.22	2,334.38
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,834.43	
11 41 23 00-0076	EA		18' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	40,600.65	2,513.95
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,312.63	
11 41 23 00-0077	EA		18' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	42,870.67	2,693.52
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,819.83	
11 41 23 00-0078	EA		18' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	45,090.33	2,912.99
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-10,296.67	
11 41 23 00-0079			<b>Walk-In Refrigerated Unit, 8'6" High With Floor</b> <small>(11 41 23 00-0001)</small> Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.		
11 41 23 00-0080	EA		6' x 6' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	7,067.65	478.85
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,607.27	
11 41 23 00-0081	EA		6' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	8,165.55	538.71
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-1,861.82	
11 41 23 00-0082	EA		6' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	8,954.52	598.55
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,039.11	
11 41 23 00-0083	EA		6' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	10,089.53	718.27
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,283.09	
11 41 23 00-0084	EA		6' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	11,573.05	837.98
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,614.09	
11 41 23 00-0085	EA		6' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	12,767.96	957.70
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,872.70	
11 41 23 00-0086	EA		6' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	13,900.00	1,077.40
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,115.87	
11 41 23 00-0087	EA		8' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	9,365.49	598.55
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,141.85	
11 41 23 00-0088	EA		8' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	10,227.96	658.41
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,337.58	
11 41 23 00-0089	EA		8' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	11,485.62	778.13
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,611.92	
11 41 23 00-0090	EA		8' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	13,122.75	897.84
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,981.41	

**11 Equipment****11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0091	EA		8' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,403.09	1,017.55
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,261.71	
11 41 23 00-0092	EA		8' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,684.67	1,137.26
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,542.01	
11 41 23 00-0093	EA		8' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	16,964.33	1,256.98
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,822.32	
11 41 23 00-0094	EA		8' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	18,241.13	1,376.68
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,101.27	
11 41 23 00-0095	EA		8' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,526.89	1,496.40
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,382.92	
11 41 23 00-0096			<b>Walk-In Refrigerated Unit, 8'6" High With Floor</b> <small>(11 41 23 00-0091)</small> Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.		
11 41 23 00-0097	EA		10' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	11,581.59	718.27
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,656.10	
11 41 23 00-0098	EA		10' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	12,962.09	837.98
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-2,961.35	
11 41 23 00-0099	EA		10' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,364.12	957.70
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,271.74	
11 41 23 00-0100	EA		10' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,723.87	1,077.40
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,571.83	
11 41 23 00-0101	EA		10' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	17,149.67	1,197.12
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,888.73	
11 41 23 00-0102	EA		10' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	18,506.91	1,316.83
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,187.47	
11 41 23 00-0103	EA		10' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	19,938.35	1,436.54
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,506.00	
11 41 23 00-0104	EA		10' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	21,291.39	1,556.25
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,804.46	
11 41 23 00-0105	EA		10' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,718.88	1,675.97
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,121.36	
11 41 23 00-0106	EA		10' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,080.06	1,795.67
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,421.46	
11 41 23 00-0107	EA		10' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,587.46	1,975.25
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,738.63	
11 41 23 00-0108	EA		10' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	27,016.85	2,124.89
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,037.09	
11 41 23 00-0109	EA		12' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	14,351.31	897.84
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,288.55	
11 41 23 00-0110	EA		12' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	15,915.75	1,017.55
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,639.88	
11 41 23 00-0111	EA		12' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	17,384.92	1,137.26
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-3,967.08	
11 41 23 00-0112	EA		12' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	18,942.18	1,256.98
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,316.78	
11 41 23 00-0113	EA		12' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,418.49	1,376.68
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,645.61	
11 41 23 00-0114	EA		12' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	21,975.34	1,496.40
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,995.04	
11 41 23 00-0115	EA		12' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	23,442.04	1,616.11
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,322.24	
11 41 23 00-0116	EA		12' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	25,008.28	1,735.83
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,673.57	
11 41 23 00-0117	EA		12' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,518.01	1,885.46
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,000.77	



<b>Equipment</b>	<b>11</b>
<b>Foodservice Equipment</b>	<b>11 40</b>
<b>Foodservice Storage Equipment</b>	<b>11 41</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0118 EA 12' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,155.98	2,065.03
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,350.47	
11 41 23 00-0119 EA 12' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,709.97	2,244.60
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,679.30	
11 41 23 00-0120 EA 12' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,344.54	2,424.17
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,028.73	
11 41 23 00-0121 EA 12' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,890.26	2,603.73
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,355.93	
<b>11 41 23 00-0122 Walk-In Refrigerated Unit, 8'6" High With Floor</b> <small>(11 41 23 00-0001)</small>		
<small>Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.</small>		
11 41 23 00-0123 EA 14' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	18,870.64	1,077.40
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,358.53	
11 41 23 00-0124 EA 14' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	20,669.45	1,197.12
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-4,768.68	
11 41 23 00-0125 EA 14' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,577.54	1,316.83
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,205.13	
11 41 23 00-0126 EA 14' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,376.58	1,436.54
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,615.55	
11 41 23 00-0127 EA 14' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,275.04	1,556.25
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,050.38	
11 41 23 00-0128 EA 14' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,083.13	1,675.97
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,462.43	
11 41 23 00-0129 EA 14' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	29,983.23	1,795.67
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,897.25	
11 41 23 00-0130 EA 14' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	31,863.65	1,975.25
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,307.67	
11 41 23 00-0131 EA 14' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	33,844.97	2,154.81
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,744.12	
11 41 23 00-0132 EA 14' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	35,734.60	2,334.38
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,154.28	
11 41 23 00-0133 EA 14' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	37,707.62	2,513.95
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,589.37	
11 41 23 00-0134 EA 14' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	39,595.95	2,693.52
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,001.15	
<b>11 41 23 00-0135 Walk-In Refrigerated Unit, 8'6" High With Floor</b> <small>(11 41 23 00-0001)</small>		
<small>Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.</small>		
11 41 23 00-0136 EA 16' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	22,660.40	1,256.98
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,246.33	
11 41 23 00-0137 EA 16' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	24,707.07	1,376.68
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-5,717.75	
11 41 23 00-0138 EA 16' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,725.86	1,496.40
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,182.67	
11 41 23 00-0139 EA 16' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,775.93	1,616.11
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,655.71	
11 41 23 00-0140 EA 16' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,796.51	1,735.83
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,120.62	
11 41 23 00-0141 EA 16' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,883.12	1,885.46
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,592.04	
11 41 23 00-0142 EA 16' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	34,988.43	2,065.03
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,058.58	
11 41 23 00-0143 EA 16' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	37,112.79	2,244.60
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,530.00	
11 41 23 00-0144 EA 16' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	39,209.29	2,424.17
<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,994.91	

**11 Equipment**  
**11 40 Foodservice Equipment**  
**11 41 Foodservice Storage Equipment**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0145	EA		16' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	41,338.39	2,603.73
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,467.96	
11 41 23 00-0146	EA		18' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	26,462.86	1,436.54
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,137.12	
11 41 23 00-0147	EA		18' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	28,608.55	1,556.25
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-6,633.75	
11 41 23 00-0148	EA		18' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	30,829.78	1,675.97
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,149.09	
11 41 23 00-0149	EA		18' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	32,971.68	1,795.67
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-7,644.36	
11 41 23 00-0150	EA		18' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	35,277.17	1,975.25
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,161.05	
11 41 23 00-0151	EA		18' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	37,493.79	2,154.81
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-8,656.33	
11 41 23 00-0152	EA		18' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	39,804.14	2,334.38
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,171.66	
11 41 23 00-0153	EA		18' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	42,023.31	2,513.95
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-9,668.29	
11 41 23 00-0154	EA		18' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	44,325.86	2,693.52
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-10,183.63	
11 41 23 00-0155	EA		18' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door.....	46,619.25	2,912.99
			<i>For Refrigerated Boxes Without Floor, Deduct</i>	-10,678.90	
<b>11 41 23 00-0156</b>			<b>Walk-In Refrigerated Unit Metal Price Add-Ons <small>(11 41 23 00-0001)</small></b>		
11 41 23 00-0157	SF		Metal Price Add-on, 190 Series Embossed White Polyester vs. 24 Gauge Galvalume® .....	0.46	
11 41 23 00-0158	SF		Metal Price Add-ons, 24 Gauge White Polyester vs. 24 Gauge Galvalume® .....	0.85	
11 41 23 00-0159	SF		Metal Price Add-ons, 0.038" Stucco Embossed Aluminum vs. 24 Gauge Galvalume® .....	1.20	
11 41 23 00-0160	SF		Metal Price Add-ons, 22 Gauge Stainless Steel vs. 24 Gauge Galvalume® .....	8.46	
11 41 23 00-0161	SF		Metal Price Add-ons, 20 Gauge Stainless Steel vs. 24 Gauge Galvalume® .....	11.06	
11 41 23 00-0162	SF		Metal Price Add-ons, 24 Gauge Embossed Tan Polyester vs. 24 Gauge Galvalume® .....	1.36	
11 41 23 00-0163	SF		Metal Price Add-ons, 0.040" Embossed White Aluminum vs. 24 Gauge Galvalume® .....	3.36	
11 41 23 00-0164	SF		Metal Price Add-ons, 0.040" Smooth White Aluminum vs. 24 Gauge Galvalume® .....	4.34	
11 41 23 00-0165	SF		Metal Price Add-ons, 24 Gauge Smooth Kynar® Painted vs. 24 Gauge Galvalume® .....	4.55	
11 41 23 00-0166	SF		Metal Price Deducts, 14 GA Galvanized vs. 10 Gauge Smooth Aluminum Interior Floor .....	-6.12	
11 41 23 00-0167	SF		Metal Price Add-ons, 16 GA Stainless Steel Type 430 vs. 10 Gauge Smooth Aluminum Interior Floor .....	2.55	
11 41 23 00-0168	SF		Metal Price Add-ons, 16 GA Stainless Steel Type 304 vs. 10 Gauge Smooth Aluminum Interior Floor .....	6.62	
11 41 23 00-0169	SF		Metal Price Add-ons, 12 GA Rigid Aluminum vs. 10 Gauge Smooth Aluminum Interior Floor .....	5.80	
11 41 23 00-0170	SF		Metal Price Add-ons, 16 GA Rigid Stainless Steel vs. 10 Gauge Smooth Aluminum Interior Floor .....	18.81	
<b>11 41 23 00-0171</b>			<b>Air Cooled Condensing Units For Walk-In Coolers And Freezers <small>(11 41 23)</small></b>		
<b>11 41 23 00-0172</b>			<b>Medium Temperature Hermetic System, Indoor <small>(11 41 23 00-0171)</small></b> Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
<b>11 41 23 00-0173</b>			<b>208/230 Volt, 1 Phase <small>(11 41 23 00-0172)</small></b> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0174	EA		1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	2,124.71	97.78
11 41 23 00-0175	EA		3/4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	2,248.00	114.08
11 41 23 00-0176	EA		1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	2,589.84	130.38
11 41 23 00-0177	EA		1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	2,795.59	146.68
11 41 23 00-0178	EA		2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,080.24	162.97
11 41 23 00-0179	EA		3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,466.49	195.56
11 41 23 00-0180	EA		4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,695.53	228.16
11 41 23 00-0181	EA		5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,043.10	260.75
<b>11 41 23 00-0182</b>			<b>208/230 Volt, 3 Phase <small>(11 41 23 00-0172)</small></b> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0183	EA		1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	2,593.45	130.38
11 41 23 00-0184	EA		1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	2,795.59	146.68
11 41 23 00-0185	EA		2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,112.71	162.97
11 41 23 00-0186	EA		3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,427.84	195.56
11 41 23 00-0187	EA		4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,695.53	228.16
11 41 23 00-0188	EA		5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,998.26	260.75
<b>11 41 23 00-0189</b>			<b>Medium Temperature Hermetic System, Outdoor <small>(11 41 23 00-0171)</small></b> Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		



<b>Equipment</b>	<b>11</b>	
<b>Foodservice Equipment</b>	<b>11 40</b>	<b>11</b>
<b>Foodservice Storage Equipment</b>	<b>11 41</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>11 41 23 00-0190</b> <b>208/230 Volt, 1 Phase</b> <small>(11 41 23 00-0189)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0191 EA 1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	2,274.18	97.78
11 41 23 00-0192 EA 3/4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	2,505.70	114.08
11 41 23 00-0193 EA 1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	2,889.29	130.38
11 41 23 00-0194 EA 1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,013.60	146.68
11 41 23 00-0195 EA 2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,236.40	162.97
11 41 23 00-0196 EA 3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,689.14	195.56
11 41 23 00-0197 EA 4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,921.80	228.16
11 41 23 00-0198 EA 5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,270.91	260.75
<b>11 41 23 00-0199</b> <b>208/230 Volt, 3 Phase</b> <small>(11 41 23 00-0189)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0200 EA 1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	2,870.22	130.38
11 41 23 00-0201 EA 1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,021.33	146.68
11 41 23 00-0202 EA 2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,276.60	162.97
11 41 23 00-0203 EA 3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,651.00	195.56
11 41 23 00-0204 EA 4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,933.65	228.16
11 41 23 00-0205 EA 5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,223.49	260.75
<b>11 41 23 00-0206</b> <b>Low Temperature Hermetic System, Indoor</b> <small>(11 41 23 00-0171)</small> Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
<b>11 41 23 00-0207</b> <b>208/230 Volt, 1 Phase</b> <small>(11 41 23 00-0206)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0208 EA 1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	195.57	97.78
11 41 23 00-0209 EA 3/4 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	2,502.61	114.08
11 41 23 00-0210 EA 1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	2,625.92	130.38
11 41 23 00-0211 EA 1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	2,806.93	146.68
11 41 23 00-0212 EA 2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,054.98	162.97
11 41 23 00-0213 EA 3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,608.23	195.56
<b>11 41 23 00-0214</b> <b>208/230 Volt, 3 Phase</b> <small>(11 41 23 00-0206)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0215 EA 1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	2,629.53	130.38
11 41 23 00-0216 EA 1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	2,806.93	146.68
11 41 23 00-0217 EA 2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,088.48	162.97
11 41 23 00-0218 EA 3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,571.12	195.56
<b>11 41 23 00-0219</b> <b>Low Temperature Hermetic System, Outdoor</b> <small>(11 41 23 00-0171)</small> Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
<b>11 41 23 00-0220</b> <b>208/230 Volt, 1 Phase</b> <small>(11 41 23 00-0219)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0221 EA 1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	2,673.61	97.78
11 41 23 00-0222 EA 3/4 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	2,718.05	114.08
11 41 23 00-0223 EA 1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	2,868.16	130.38
11 41 23 00-0224 EA 1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,110.50	146.68
11 41 23 00-0225 EA 2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,394.63	162.97
11 41 23 00-0226 EA 3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,824.69	195.56
<b>11 41 23 00-0227</b> <b>208/230 Volt, 3 Phase</b> <small>(11 41 23 00-0219)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0228 EA 1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	2,961.45	130.38
11 41 23 00-0229 EA 1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,156.37	146.68
11 41 23 00-0230 EA 2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,431.74	162.97
11 41 23 00-0231 EA 3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,787.07	195.56
<b>11 41 23 00-0232</b> <b>Medium Temperature Semi-Hermetic System, Indoor</b> <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
<b>11 41 23 00-0233</b> <b>208/230 Volt, 1 Phase</b> <small>(11 41 23 00-0232)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0234 EA 1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	2,746.01	130.38
11 41 23 00-0235 EA 5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	6,273.88	260.75
<b>11 41 23 00-0236</b> <b>208/230 Volt, 3 Phase</b> <small>(11 41 23 00-0232)</small> Note: Pre-Assembled indoor R404a.		

**11 Equipment****11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0237 EA 1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	2,748.07	130.38
11 41 23 00-0238 EA 2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,795.61	162.97
11 41 23 00-0239 EA 3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,735.92	195.56
11 41 23 00-0240 EA 5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,189.87	260.75
<b>11 41 23 00-0241 Medium Temperature Semi-Hermetic System, Outdoor</b> <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
<b>11 41 23 00-0242 208/230 Volt, 1 Phase</b> <small>(11 41 23 00-0241)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0243 EA 1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,005.77	130.38
11 41 23 00-0244 EA 5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,395.91	260.75
<b>11 41 23 00-0245 208/230 Volt, 3 Phase</b> <small>(11 41 23 00-0241)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0246 EA 1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,010.92	130.38
11 41 23 00-0247 EA 2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,557.50	162.97
11 41 23 00-0248 EA 3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	5,107.01	195.56
11 41 23 00-0249 EA 5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,690.32	260.75
<b>11 41 23 00-0250 Low Temperature Semi-Hermetic System, Indoor</b> <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
<b>11 41 23 00-0251 208/230 Volt, 1 Phase</b> <small>(11 41 23 00-0250)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0252 EA 3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	2,802.06	114.08
11 41 23 00-0253 EA 1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	2,996.49	130.38
11 41 23 00-0254 EA 1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,514.05	146.68
11 41 23 00-0255 EA 2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,068.77	162.97
11 41 23 00-0256 EA 3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,140.51	195.56
<b>11 41 23 00-0257 208/230 Volt, 3 Phase</b> <small>(11 41 23 00-0250)</small> Note: Pre-Assembled indoor R404a.		
11 41 23 00-0258 EA 3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	2,787.63	114.08
11 41 23 00-0259 EA 1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	2,994.43	130.38
11 41 23 00-0260 EA 1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	3,494.47	146.68
11 41 23 00-0261 EA 2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,034.76	162.97
11 41 23 00-0262 EA 3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	4,959.61	195.56
11 41 23 00-0263 EA 4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	6,918.97	228.16
11 41 23 00-0264 EA 6 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	7,315.70	293.34
11 41 23 00-0265 EA 7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz.....	10,517.26	342.24
<b>11 41 23 00-0266 Low Temperature Semi-Hermetic System, Outdoor</b> <small>(11 41 23 00-0171)</small> Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
<b>11 41 23 00-0267 208/230 Volt, 1 Phase</b> <small>(11 41 23 00-0266)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0268 EA 3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,081.92	114.08
11 41 23 00-0269 EA 1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,234.61	130.38
11 41 23 00-0270 EA 1-1/2 Low Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,761.96	146.68
11 41 23 00-0271 EA 2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,320.29	162.97
11 41 23 00-0272 EA 3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,409.03	195.56
<b>11 41 23 00-0273 208/230 Volt, 3 Phase</b> <small>(11 41 23 00-0266)</small> Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0274 EA 3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,036.56	114.08
11 41 23 00-0275 EA 1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,236.67	130.38
11 41 23 00-0276 EA 1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	3,754.23	146.68



<b>Equipment</b>	<b>11</b>	
Foodservice Equipment	11 40	11
Foodservice Storage Equipment	11 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0277 EA 2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	4,282.15	162.97
11 41 23 00-0278 EA 3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	5,245.65	195.56
11 41 23 00-0279 EA 4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	7,628.16	228.16
11 41 23 00-0280 EA 6 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	8,070.25	293.34
11 41 23 00-0281 EA 7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz.....	11,331.59	342.24

**11 41 23 00-0282 Walk-In Refrigerated Boxes Accessories (11 41 23)**

**11 41 23 00-0283 Accessories (11 41 23 00-0282)**

11 41 23 00-0284 EA Super Door Package, For 36" Or 42" Door.....	499.67	
Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
11 41 23 00-0285 EA Super Door Package, For 48" Door.....	704.61	
Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
11 41 23 00-0286 EA Super Door Package, For 60" Door.....	704.61	
Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.		
11 41 23 00-0287 EA 14" x 24" Observation Window, Heated.....	840.59	
11 41 23 00-0288 EA Heated Air Vent, Kason.....	271.31	
11 41 23 00-0289 EA Heated Air Vent, Bally Polyvinyl Chloride (PVC).....	710.47	
11 41 23 00-0290 EA Interior Ramps, For 36" Or 42" Wide Doors.....	1,070.03	
11 41 23 00-0291 EA Interior Ramps, For 48" Wide Doors.....	1,173.04	
11 41 23 00-0292 EA Interior Ramps, For 60" Wide Doors.....	1,292.32	
11 41 23 00-0293 EA Exterior Ramps, For 36" Or 42" Wide Doors.....	412.91	
11 41 23 00-0294 EA Exterior Ramps, For 48" Wide Doors.....	785.93	
11 41 23 00-0295 EA Exterior Ramps, For 60" Wide Doors.....	785.93	
11 41 23 00-0296 EA Field Installed Extra Vapor-Proof Lights.....	76.56	
11 41 23 00-0297 EA Field Installed Fluorescent Lights, 48", 2 Tubes.....	463.67	
11 41 23 00-0298 EA Alarm With Digital Thermostat Modularm 75 With Adjustable Setting (Flush Mounted).....	1,060.06	
11 41 23 00-0299 EA Alarm With Digital Thermostat Modularm 75B (Battery Backup) (Flush Mounted).....	1,115.36	
11 41 23 00-0300 EA Alarm With Digital Thermostat National TM100 With Adjustable Setting (Flush Mounted).....	517.89	
11 41 23 00-0301 EA Locking Devices, 36" Or 42" Wide Locking Bar.....	280.41	
11 41 23 00-0302 EA Locking Devices, 48" Wide Locking Bar.....	323.79	
11 41 23 00-0303 EA Locking Devices, 60" Wide Locking Bar.....	323.79	
11 41 23 00-0304 EA Locking Devices, Mortise Dead Bolt (Cooler).....	597.04	
11 41 23 00-0305 EA Locking Devices, Mortise Dead Bolt (Freezer).....	740.18	
11 41 23 00-0306 EA Blast Freezer Kit, For 36" Or 42" Wide Doors.....	1,204.49	
11 41 23 00-0307 EA Blast Freezer Kit, For 48" Wide Doors.....	1,273.88	
11 41 23 00-0308 EA Blast Freezer Kit, For 60" Wide Doors.....	1,310.75	
11 41 23 00-0309 EA Hardware Options, Polished For 36" Or 42" Door.....	59.64	
11 41 23 00-0310 EA Hardware Options, Polished For 48" Or 60" Door.....	48.80	
11 41 23 00-0311 EA Hardware Options, Chrome For 36" Or 42" Door.....	150.72	
11 41 23 00-0312 EA Hardware Options, Chrome For 48" Or 60" Door.....	81.33	
11 41 23 00-0313 EA Hardware Options, Positive Latch, 36" Or 42" Door.....	183.48	
11 41 23 00-0314 EA Hardware Options, Strap Hinges, 36" Or 42" Door.....	131.43	
11 41 23 00-0315 EA 4" Screenshot Door.....	316.85	
11 41 23 00-0316 EA Doors Cut For Tile.....	394.92	
11 41 23 00-0317 EA 84" High Doors (36" Wide).....	394.92	
11 41 23 00-0318 EA Doors Raised Or Lowered In Panel.....	968.54	
11 41 23 00-0319 EA 57-1/2" Door Section.....	233.36	
11 41 23 00-0320 EA 3 Way (Interior And Exterior) Light Switches.....	220.77	
11 41 23 00-0321 EA 3 Way (1 Side Only) Light Switch.....	111.38	
11 41 23 00-0322 EA Structural Support, 5" Reinforcing Ceilings (Every 23").....	209.71	
11 41 23 00-0323 EA Structural Support, 6" Reinforcing Ceilings (Every 23").....	270.43	
11 41 23 00-0324 LF Structural Support, Self-Supporting Standard Angle.....	27.93	
11 41 23 00-0325 LF Structural Support, Self-Supporting 6" Channel.....	36.88	
11 41 23 00-0326 LF Structural Support, Self-Supporting 8" Channel.....	54.50	
11 41 23 00-0327 LF Structural Support, Self-Supporting 10" Channel.....	88.38	
11 41 23 00-0328 LF Structural Support, Suspended Ceiling Support.....	14.90	
11 41 23 00-0329 LF Factory Prepared Opening, Foam Cut Opening.....	7.17	
11 41 23 00-0330 LF Factory Prepared Opening, Metal Capped Opening.....	18.98	
11 41 23 00-0331 LF Factory Prepared Opening, Wood Framed Opening.....	15.30	
11 41 23 00-0332 LF Factory Prepared Opening, Metal Capped Wood Framed Opening.....	29.28	
11 41 23 00-0333 LF Factory Prepared Opening, Opening For Glass Doors (Doors Provided By Others, No Charge For Opening When Glass Door Purchased Through Manufacturer).....	40.39	
11 41 23 00-0334 SF Outdoor Weather Roofs, Aluminum Roof Caps.....	19.98	
11 41 23 00-0335 SF Outdoor Weather Roofs, Membrane Roof Caps.....	5.96	
11 41 23 00-0336 SF Outdoor Weather Roofs, Painted Aluminum Roofs.....	24.82	
11 41 23 00-0337 SF 1/8" Aluminum Tread Plate.....	46.05	
11 41 23 00-0338 SF 3/16" Aluminum Tread Plate.....	56.56	
11 41 23 00-0339 EA Digitemp Display Thermometer (Indoor Exterior Wall).....	229.58	
11 41 23 00-0340 EA 4-1/2" Dial Type Thermometer With 5" Cap Tube.....	204.64	
11 41 23 00-0341 EA 6" Dial Type Thermometer With 5" Cap Tube.....	693.68	
11 41 23 00-0342 EA 2" Dial Type Thermometer (Standard).....	61.50	
11 41 23 00-0343 LF Extra Capillary Tubing.....	9.12	

**11 41 23 00-0344 Partition Wall For Walk-In Refrigerated Boxes (11 41 23 00-0282)**

Note: Includes 36" x 78" door. Sizes listed as 7'-2"/7'-6" are for either 7'-2" or 7'-6" high refrigerated boxes. Sizes listed as 8'-2"/8'-6" are for either 8'-2" or 8'-6" high refrigerated boxes.



**11 Equipment****11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0345	EA		5'-10" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	2,507.87 123.40	
11 41 23 00-0346	EA		6'-9-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	2,733.23 134.57	
11 41 23 00-0347	EA		7'-9" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	2,811.14 138.36	
11 41 23 00-0348	EA		8'-8-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	3,040.85 149.75	
11 41 23 00-0349	EA		9'-8" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	2,975.61 146.39	
11 41 23 00-0350	EA		10'-7-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	3,199.90 157.50	
11 41 23 00-0351	EA		11'-7" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	3,266.95 160.75	
11 41 23 00-0352	EA		12'-6-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	3,586.67 176.64	
11 41 23 00-0353	EA		13'-6" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	3,443.36 169.37	
11 41 23 00-0354	EA		14'-5-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	3,668.73 180.54	
11 41 23 00-0355	EA		15'-5" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	3,752.05 184.61	
11 41 23 00-0356	EA		16'-4-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	3,978.50 195.83	
11 41 23 00-0357	EA		17'-4" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	4,590.03 226.31	
11 41 23 00-0358	EA		5'-10" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	2,739.92 135.00	
11 41 23 00-0359	EA		6'-9-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	2,930.59 144.44	
11 41 23 00-0360	EA		7'-9" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	3,022.59 148.94	
11 41 23 00-0361	EA		8'-8-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	3,277.24 161.57	
11 41 23 00-0362	EA		9'-8" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	3,198.99 157.56	
11 41 23 00-0363	EA		10'-7-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	3,452.55 170.13	
11 41 23 00-0364	EA		11'-7" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	3,545.63 174.69	
11 41 23 00-0365	EA		12'-6-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	3,799.20 187.27	
11 41 23 00-0366	EA		13'-6" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	3,720.96 183.25	
11 41 23 00-0367	EA		14'-5-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	3,974.51 195.83	
11 41 23 00-0368	EA		15'-5" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	4,067.60 200.39	
11 41 23 00-0369	EA		16'-4-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	4,321.16 212.97	
11 41 23 00-0370	EA		17'-4" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides. <i>For Embossed White Instead Of Galvalume® On Both Sides, Add</i>	4,242.92 208.95	
11 41 23 00-0371			<b>Glass Doors For Walk-In Refrigerated Boxes</b> (11 41 23 00-0282) Note: Factory installed, includes lights and 5 tier shelves.		
11 41 23 00-0372	EA		23" x 67" Glass Door, Displayrite, Coolrite Model	1,076.75	
11 41 23 00-0373	EA		23" x 73" Glass Door, Displayrite, Coolrite Model	1,176.51	
11 41 23 00-0374	EA		30" x 67" Glass Door, Displayrite, Coolrite Model	1,186.27	



<b>Equipment</b>	<b>11</b>	
<b>Foodservice Equipment</b>	<b>11 40</b>	<b>11</b>
<b>Foodservice Storage Equipment</b>	<b>11 41</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0375 EA 30" x 73" Glass Door, Displayrite, Coolrite Model.....	1,312.06	
11 41 23 00-0376 EA 23" x 67" Glass Door, Displayrite, Freezerite Model.....	1,440.01	
11 41 23 00-0377 EA 23" x 73" Glass Door, Displayrite, Freezerite Model.....	1,531.10	
11 41 23 00-0378 EA 30" x 67" Glass Door, Displayrite, Freezerite Model.....	1,536.52	
11 41 23 00-0379 EA 30" x 73" Glass Door, Displayrite, Freezerite Model.....	1,788.08	
11 41 23 00-0380 EA 24" x 67" Glass Door, Anthony Model 101.....	1,463.87	
11 41 23 00-0381 EA 26" x 67" Glass Door, Anthony Model 101.....	1,813.02	
11 41 23 00-0382 EA 30" x 67" Glass Door, Anthony Model 101.....	1,935.56	
11 41 23 00-0383 EA 30x75 Glass Door, Anthony Model 101.....	1,976.76	
11 41 23 00-0384 EA 24" x 67" Glass Door, Anthony Model 101.....	2,229.41	
11 41 23 00-0385 EA 26" x 67" Glass Door, Anthony Model 101.....	2,474.48	
11 41 23 00-0386 EA 30" x 67" Glass Door, Anthony Model 101.....	2,520.02	
11 41 23 00-0387 EA 30" x 75" Glass Door, Anthony Model 101.....	2,688.09	
11 41 23 00-0388 EA 23" x 67" Glass Door, Anthony Model 401.....	1,155.91	
11 41 23 00-0389 EA 26-3/4" x 67" Glass Door, Anthony Model 401.....	1,217.72	
11 41 23 00-0390 EA 30-1/4" x 67" Glass Door, Anthony Model 401.....	1,637.36	
11 41 23 00-0391 EA 30-1/4" x 75" Glass Door, Anthony Model 401.....	1,404.23	
11 41 23 00-0392 EA 23" x 67" Glass Door, Anthony Model 401.....	1,559.29	
11 41 23 00-0393 EA 26-3/4" x 67" Glass Door, Anthony Model 401.....	1,631.94	
11 41 23 00-0394 EA 30-1/4" x 67" Glass Door, Anthony Model 401.....	1,637.36	
11 41 23 00-0395 EA 30-1/4" x 75" Glass Door, Anthony Model 401.....	1,949.65	
<b>11 41 23 00-0396 Modular Wire Shelving For Walk-In Refrigerated Boxes (11 41 23 00-0282)</b>		
11 41 23 00-0397 EA 14" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	363.91	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0398 EA 14" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	383.26	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0399 EA 14" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	428.62	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0400 EA 14" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	452.31	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0401 EA 14" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	490.99	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0402 EA 18" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	422.29	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0403 EA 18" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	431.87	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0404 EA 18" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	478.33	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0405 EA 18" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	499.84	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0406 EA 18" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	572.13	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0407 EA 21" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	461.15	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0408 EA 21" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	465.32	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0409 EA 21" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	533.46	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0410 EA 21" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	535.45	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0411 EA 21" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts.....	618.59	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0412 EA 14" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	307.52	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0413 EA 14" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	322.53	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0414 EA 14" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	354.89	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0415 EA 14" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	361.22	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0416 EA 14" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	412.91	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0417 EA 18" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	339.88	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0418 EA 18" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	364.65	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0419 EA 18" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	386.16	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0420 EA 18" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	390.32	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0421 EA 18" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	462.62	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0422 EA 21" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	374.40	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0423 EA 21" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	388.33	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0424 EA 21" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	417.43	
For Cantilever Shelving, Add	402.00	
11 41 23 00-0425 EA 21" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts.....	432.43	
For Cantilever Shelving, Add	402.00	

**11 Equipment**  
**11 40 Foodservice Equipment**  
**11 41 Foodservice Storage Equipment**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41	23 00-0426	EA	21" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	506.91 402.00	
11 41	23 00-0427	EA	14" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	1,675.13 402.00	
11 41	23 00-0428	EA	14" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	1,871.07 402.00	
11 41	23 00-0429	EA	14" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	1,906.50 402.00	
11 41	23 00-0430	EA	14" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	1,941.94 402.00	
11 41	23 00-0431	EA	14" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	2,353.88 402.00	
11 41	23 00-0432	EA	18" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	1,757.38 402.00	
11 41	23 00-0433	EA	18" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	1,866.38 402.00	
11 41	23 00-0434	EA	18" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	2,069.01 402.00	
11 41	23 00-0435	EA	18" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	2,151.25 402.00	
11 41	23 00-0436	EA	18" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	2,636.76 402.00	
11 41	23 00-0437	EA	21" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	1,899.82 402.00	
11 41	23 00-0438	EA	21" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	2,075.70 402.00	
11 41	23 00-0439	EA	21" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	2,278.32 402.00	
11 41	23 00-0440	EA	21" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	2,360.57 402.00	
11 41	23 00-0441	EA	21" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts..... <i>For Cantilever Shelving, Add</i>	3,006.59 402.00	
11 41	23 00-0442	EA	14" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts ..... <i>For Cantilever Shelving, Add</i>	428.45 472.00	
11 41	23 00-0443	EA	14" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts ..... <i>For Cantilever Shelving, Add</i>	462.97 472.00	
11 41	23 00-0444	EA	14" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts ..... <i>For Cantilever Shelving, Add</i>	502.92 472.00	
11 41	23 00-0445	EA	14" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts ..... <i>For Cantilever Shelving, Add</i>	539.60 472.00	
11 41	23 00-0446	EA	14" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts ..... <i>For Cantilever Shelving, Add</i>	584.81 472.00	
11 41	23 00-0447	EA	18" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts ..... <i>For Cantilever Shelving, Add</i>	511.77 472.00	
11 41	23 00-0448	EA	18" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts ..... <i>For Cantilever Shelving, Add</i>	523.52 472.00	
11 41	23 00-0449	EA	18" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts ..... <i>For Cantilever Shelving, Add</i>	579.73 472.00	
11 41	23 00-0450	EA	18" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts ..... <i>For Cantilever Shelving, Add</i>	607.75 472.00	
11 41	23 00-0451	EA	18" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts ..... <i>For Cantilever Shelving, Add</i>	696.32 472.00	
11 41	23 00-0452	EA	21" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts ..... <i>For Cantilever Shelving, Add</i>	559.30 472.00	
11 41	23 00-0453	EA	21" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts ..... <i>For Cantilever Shelving, Add</i>	576.47 472.00	
11 41	23 00-0454	EA	21" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts ..... <i>For Cantilever Shelving, Add</i>	640.28 472.00	
11 41	23 00-0455	EA	21" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts ..... <i>For Cantilever Shelving, Add</i>	653.12 472.00	
11 41	23 00-0456	EA	21" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts ..... <i>For Cantilever Shelving, Add</i>	752.54 472.00	
11 41	23 00-0457	EA	14" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	360.14 472.00	
11 41	23 00-0458	EA	14" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	378.39 472.00	
11 41	23 00-0459	EA	14" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	418.34 472.00	
11 41	23 00-0460	EA	14" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	425.75 472.00	
11 41	23 00-0461	EA	14" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	489.39 472.00	
11 41	23 00-0462	EA	18" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	409.84 472.00	
11 41	23 00-0463	EA	18" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	438.94 472.00	
11 41	23 00-0464	EA	18" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	503.82 472.00	
11 41	23 00-0465	EA	18" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	497.15 472.00	
11 41	23 00-0466	EA	18" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	557.52 472.00	
11 41	23 00-0467	EA	21" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	451.95 472.00	



<b>Equipment</b>	<b>11</b>	
<b>Foodservice Equipment</b>	<b>11 40</b>	<b>11</b>
<b>Foodservice Storage Equipment</b>	<b>11 41</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0468 EA 21" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts ..... <i>For Cantilever Shelving, Add</i>	469.12 472.00	
11 41 23 00-0469 EA 21" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts ..... <i>For Cantilever Shelving, Add</i>	505.82 472.00	
11 41 23 00-0470 EA 21" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts ..... <i>For Cantilever Shelving, Add</i>	523.00 472.00	
11 41 23 00-0471 EA 21" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts ..... <i>For Cantilever Shelving, Add</i>	615.91 472.00	
11 41 23 00-0472 EA 14" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	2,045.60 472.00	
11 41 23 00-0473 EA 14" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	2,290.03 472.00	
11 41 23 00-0474 EA 14" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	2,333.82 472.00	
11 41 23 00-0475 EA 14" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	2,377.60 472.00	
11 41 23 00-0476 EA 14" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	2,891.55 472.00	
11 41 23 00-0477 EA 18" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	2,147.91 472.00	
11 41 23 00-0478 EA 18" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	2,283.66 472.00	
11 41 23 00-0479 EA 18" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	2,536.44 472.00	
11 41 23 00-0480 EA 18" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	2,638.76 472.00	
11 41 23 00-0481 EA 18" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	3,244.65 472.00	
11 41 23 00-0482 EA 21" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	2,325.46 472.00	
11 41 23 00-0483 EA 21" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	2,544.80 472.00	
11 41 23 00-0484 EA 21" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	2,797.59 472.00	
11 41 23 00-0485 EA 21" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	2,899.91 472.00	
11 41 23 00-0486 EA 21" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts..... <i>For Cantilever Shelving, Add</i>	3,706.43 472.00	

**11 41 31 Non-Refrigerated Storage Equipment** (11 41)

<b>11 41 31 00-0001</b>	<b>Wall Cabinets</b> <small>(11 41 31)</small>		
11 41 31 00-0002	EA 48" Wall Cabinet With Sliding Doors..... Note: 15" deep and 24" high.	1,739.01	30.66
11 41 31 00-0003	EA 72" Wall Cabinet With Sliding Doors..... Note: 15" deep and 24" high.	2,294.61	40.49
11 41 31 00-0004	EA 72" Wall Cabinet With Hinged Doors ..... Note: 15" deep and 24" high.	2,633.83	46.41
11 41 31 00-0005	EA 72" Wall Cabinet With Open Shelves..... Note: 15" deep and 24" high.	1,685.78	29.61
<b>11 41 31 00-0006</b>	<b>Mobile Sheet Pan Truck</b> <small>(11 41 31)</small>		
11 41 31 00-0007	EA 2 Level Mobile Sheet Pan Truck.....	165.83	4.44
<b>11 41 31 00-0008</b>	<b>Pot And Utensil Rack</b> <small>(11 41 31)</small>		
11 41 31 00-0009	EA 70" Bench Type Pot And Utensil Rack.....	483.54	13.55
11 41 31 00-0010	EA 94" Bench Type Pot And Utensil Rack.....	560.55	15.31
11 41 31 00-0011	EA 94" Ceiling Type Pot And Utensil Rack.....	666.39	18.34
11 41 31 00-0012	EA 96" Wall Type Pot And Utensil Rack.....	362.38	10.02
<b>11 41 31 00-0013</b>	<b>Tray And Silverware Cart</b> <small>(11 41 31)</small>		
11 41 31 00-0014	EA 33" x 22-1/2" x 42" Tray And Silverware Cart .....	1,672.94	45.72
<b>11 41 31 00-0015</b>	<b>Flat Top Utility Units</b> <small>(11 41 31)</small>		
11 41 31 00-0016	EA 39" x 28-1/2" x 35-3/8" Flat Top Utility Units .....	1,140.58	31.25
11 41 31 00-0017	EA 79-1/2" x 28-1/2" x 35-3/8" Flat Top Utility Units .....	1,528.50	41.77

**11 41 33 Foodservice Shelving** (11 41)

<b>11 41 33 00-0001</b>	<b>Shelving/Racks</b> <small>(11 41 33)</small>		
<b>11 41 33 00-0002</b>	<b>Chrome Shelving Units</b> <small>(11 41 33 00-0001)</small>		
<b>11 41 33 00-0003</b>	<b>54" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit</b> <small>(11 41 33 00-0002)</small>		
11 41 33 00-0004	EA 14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit .....	161.09	15.69
11 41 33 00-0005	EA 14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit .....	170.40	15.83
11 41 33 00-0006	EA 14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit .....	181.96	15.96

**11 Equipment**  
**11 40 Foodservice Equipment**  
**11 41 Foodservice Storage Equipment**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0007	EA		14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit .....	189.07	16.09
11 41 33 00-0008	EA		14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit .....	202.81	16.22
11 41 33 00-0009	EA		14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit .....	214.42	16.35
11 41 33 00-0010	EA		14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit .....	223.73	16.48
11 41 33 00-0011	EA		14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit .....	244.59	16.73
11 41 33 00-0012	EA		18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit .....	177.09	15.83
11 41 33 00-0013	EA		18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit .....	184.20	15.96
11 41 33 00-0014	EA		18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit .....	191.32	16.09
11 41 33 00-0015	EA		18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit .....	211.78	16.22
11 41 33 00-0016	EA		18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit .....	225.57	16.35
11 41 33 00-0017	EA		18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit .....	243.82	16.48
11 41 33 00-0018	EA		18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit .....	250.88	16.61
11 41 33 00-0019	EA		18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit .....	276.27	16.86
11 41 33 00-0020	EA		21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit .....	186.44	15.96
11 41 33 00-0021	EA		21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit .....	202.43	16.09
11 41 33 00-0022	EA		21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit .....	214.03	16.22
11 41 33 00-0023	EA		21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit .....	227.77	16.35
11 41 33 00-0024	EA		21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit .....	237.13	16.48
11 41 33 00-0025	EA		21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit .....	259.85	16.61
11 41 33 00-0026	EA		21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit .....	271.39	16.73
11 41 33 00-0027	EA		21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit .....	301.22	16.99
11 41 33 00-0028	EA		24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit .....	206.96	16.09
11 41 33 00-0029	EA		24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit .....	216.27	16.22
11 41 33 00-0030	EA		24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit .....	223.33	16.35
11 41 33 00-0031	EA		24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit .....	241.62	16.48
11 41 33 00-0032	EA		24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit .....	253.17	16.61
11 41 33 00-0033	EA		24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit .....	275.88	16.73
11 41 33 00-0034	EA		24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit .....	291.87	16.86
11 41 33 00-0035	EA		24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit .....	330.67	17.12
11 41 33 00-0036	EA		30" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit .....	278.80	16.22
11 41 33 00-0037	EA		30" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit .....	314.87	16.35
11 41 33 00-0038	EA		30" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit .....	337.64	16.48
11 41 33 00-0039	EA		30" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit .....	389.41	16.61
11 41 33 00-0040	EA		36" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit .....	309.37	16.73
11 41 33 00-0041	EA		36" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit .....	343.29	16.86
11 41 33 00-0042	EA		36" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit .....	386.05	16.99
11 41 33 00-0043	EA		36" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit .....	455.27	17.25
<b>11 41 33 00-0044</b>			<b>63" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit (11 41 33 00-0002)</b>		
11 41 33 00-0045	EA		14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit .....	163.29	15.69
11 41 33 00-0046	EA		14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit .....	172.60	15.83
11 41 33 00-0047	EA		14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit .....	184.15	15.96
11 41 33 00-0048	EA		14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit .....	191.27	16.09
11 41 33 00-0049	EA		14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit .....	205.01	16.22
11 41 33 00-0050	EA		14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit .....	216.60	16.35
11 41 33 00-0051	EA		14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit .....	225.93	16.48
11 41 33 00-0052	EA		14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit .....	246.77	16.73
11 41 33 00-0053	EA		18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit .....	179.27	15.83
11 41 33 00-0054	EA		18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit .....	186.39	15.96
11 41 33 00-0055	EA		18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit .....	193.51	16.09
11 41 33 00-0056	EA		18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit .....	213.97	16.22
11 41 33 00-0057	EA		18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit .....	227.77	16.35
11 41 33 00-0058	EA		18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit .....	246.00	16.48
11 41 33 00-0059	EA		18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit .....	253.08	16.61
11 41 33 00-0060	EA		18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit .....	256.76	16.86
11 41 33 00-0061	EA		21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit .....	188.64	15.96
11 41 33 00-0062	EA		21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit .....	204.63	16.09
11 41 33 00-0063	EA		21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit .....	216.21	16.22
11 41 33 00-0064	EA		21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit .....	229.96	16.35
11 41 33 00-0065	EA		21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit .....	239.33	16.48
11 41 33 00-0066	EA		21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit .....	262.04	16.61
11 41 33 00-0067	EA		21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit .....	273.59	16.73
11 41 33 00-0068	EA		21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit .....	303.42	16.99
11 41 33 00-0069	EA		24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit .....	209.16	16.09
11 41 33 00-0070	EA		24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit .....	218.46	16.22
11 41 33 00-0071	EA		24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit .....	225.53	16.35
11 41 33 00-0072	EA		24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit .....	243.82	16.48
11 41 33 00-0073	EA		24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit .....	255.37	16.61
11 41 33 00-0074	EA		24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit .....	278.06	16.73
11 41 33 00-0075	EA		24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit .....	294.05	16.86
11 41 33 00-0076	EA		24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit .....	332.87	17.12
11 41 33 00-0077	EA		30" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit .....	280.99	16.22
11 41 33 00-0078	EA		30" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit .....	317.07	16.35
11 41 33 00-0079	EA		30" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit .....	339.83	16.48
11 41 33 00-0080	EA		30" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit .....	391.60	16.61
11 41 33 00-0081	EA		36" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit .....	311.55	16.73
11 41 33 00-0082	EA		36" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit .....	345.48	16.86
11 41 33 00-0083	EA		36" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit .....	388.27	16.99
11 41 33 00-0084	EA		36" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit .....	457.46	17.25



<b>Equipment</b>	<b>11</b>	
Foodservice Equipment	11 40	11
Foodservice Storage Equipment	11 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>11 41 33 00-0085 66" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit</b> <small>(11 41 33 00-0002)</small>		
11 41 33 00-0086 EA 14" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	164.43	15.69
11 41 33 00-0087 EA 14" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	173.75	15.83
11 41 33 00-0088 EA 14" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	185.30	15.96
11 41 33 00-0089 EA 14" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	192.41	16.09
11 41 33 00-0090 EA 14" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	206.15	16.22
11 41 33 00-0091 EA 14" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	217.75	16.35
11 41 33 00-0092 EA 14" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	227.07	16.48
11 41 33 00-0093 EA 14" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	242.92	16.73
11 41 33 00-0094 EA 18" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	180.43	15.83
11 41 33 00-0095 EA 18" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	187.54	15.96
11 41 33 00-0096 EA 18" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	194.66	16.09
11 41 33 00-0097 EA 18" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	215.12	16.22
11 41 33 00-0098 EA 18" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	228.92	16.35
11 41 33 00-0099 EA 18" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	247.15	16.48
11 41 33 00-0100 EA 18" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	254.22	16.61
11 41 33 00-0101 EA 18" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	279.61	16.86
11 41 33 00-0102 EA 21" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	189.78	15.96
11 41 33 00-0103 EA 21" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	205.77	16.09
11 41 33 00-0104 EA 21" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	217.36	16.22
11 41 33 00-0105 EA 21" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	231.10	16.35
11 41 33 00-0106 EA 21" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	240.48	16.48
11 41 33 00-0107 EA 21" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	263.18	16.61
11 41 33 00-0108 EA 21" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	274.73	16.73
11 41 33 00-0109 EA 21" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	304.56	16.99
11 41 33 00-0110 EA 24" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	210.30	16.09
11 41 33 00-0111 EA 24" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	219.60	16.22
11 41 33 00-0112 EA 24" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	226.67	16.35
11 41 33 00-0113 EA 24" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	244.96	16.48
11 41 33 00-0114 EA 24" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	256.51	16.61
11 41 33 00-0115 EA 24" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	279.22	16.73
11 41 33 00-0116 EA 24" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	295.20	16.86
11 41 33 00-0117 EA 24" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	334.01	17.12
11 41 33 00-0118 EA 30" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	282.14	16.22
11 41 33 00-0119 EA 30" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	318.21	16.35
11 41 33 00-0120 EA 30" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	340.99	16.48
11 41 33 00-0121 EA 30" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	392.74	16.61
11 41 33 00-0122 EA 36" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	312.70	16.73
11 41 33 00-0123 EA 36" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	346.62	16.86
11 41 33 00-0124 EA 36" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	389.40	16.99
11 41 33 00-0125 EA 36" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit.....	458.60	17.25
<b>11 41 33 00-0126 74" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit</b> <small>(11 41 33 00-0002)</small>		
11 41 33 00-0127 EA 14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	167.76	15.69
11 41 33 00-0128 EA 14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	177.09	15.83
11 41 33 00-0129 EA 14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	188.64	15.96
11 41 33 00-0130 EA 14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	195.76	16.09
11 41 33 00-0131 EA 14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	209.49	16.22
11 41 33 00-0132 EA 14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	221.09	16.35
11 41 33 00-0133 EA 14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	230.42	16.48
11 41 33 00-0134 EA 14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	251.26	16.73
11 41 33 00-0135 EA 18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	183.76	15.83
11 41 33 00-0136 EA 18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	190.88	15.96
11 41 33 00-0137 EA 18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	198.00	16.09
11 41 33 00-0138 EA 18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	218.46	16.22
11 41 33 00-0139 EA 18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	232.25	16.35
11 41 33 00-0140 EA 18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	250.49	16.48
11 41 33 00-0141 EA 18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	257.56	16.61
11 41 33 00-0142 EA 18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	282.94	16.86
11 41 33 00-0143 EA 21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	193.12	15.96
11 41 33 00-0144 EA 21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	209.11	16.09
11 41 33 00-0145 EA 21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	220.70	16.22
11 41 33 00-0146 EA 21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	234.45	16.35
11 41 33 00-0147 EA 21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	243.82	16.48
11 41 33 00-0148 EA 21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	266.53	16.61
11 41 33 00-0149 EA 21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	278.06	16.73
11 41 33 00-0150 EA 21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	307.90	16.99
11 41 33 00-0151 EA 24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	213.65	16.09
11 41 33 00-0152 EA 24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	222.94	16.22
11 41 33 00-0153 EA 24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	230.02	16.35
11 41 33 00-0154 EA 24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	248.29	16.48
11 41 33 00-0155 EA 24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	259.85	16.61
11 41 33 00-0156 EA 24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	282.55	16.73
11 41 33 00-0157 EA 24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	298.54	16.86
11 41 33 00-0158 EA 24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	337.35	17.12
11 41 33 00-0159 EA 30" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	285.48	16.22
11 41 33 00-0160 EA 30" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	321.55	16.35
11 41 33 00-0161 EA 30" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit.....	344.32	16.48

**11 Equipment**  
**11 40 Foodservice Equipment**  
**11 41 Foodservice Storage Equipment**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0162	EA		30" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	396.08	16.61
11 41 33 00-0163	EA		36" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	316.04	16.73
11 41 33 00-0164	EA		36" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	349.96	16.86
11 41 33 00-0165	EA		36" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	392.76	16.99
11 41 33 00-0166	EA		36" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit .....	461.94	17.25
<b>11 41 33 00-0167</b>			<b>86" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit <small>(11 41 33 00-0002)</small></b>		
11 41 33 00-0168	EA		14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	176.69	15.69
11 41 33 00-0169	EA		14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	186.00	15.83
11 41 33 00-0170	EA		14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	197.55	15.96
11 41 33 00-0171	EA		14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	204.67	16.09
11 41 33 00-0172	EA		14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	218.41	16.22
11 41 33 00-0173	EA		14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	230.02	16.35
11 41 33 00-0174	EA		14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	239.33	16.48
11 41 33 00-0175	EA		14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	260.19	16.73
11 41 33 00-0176	EA		18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	192.69	15.83
11 41 33 00-0177	EA		18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	199.80	15.96
11 41 33 00-0178	EA		18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	206.92	16.09
11 41 33 00-0179	EA		18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	227.38	16.22
11 41 33 00-0180	EA		18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	241.17	16.35
11 41 33 00-0181	EA		18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	259.42	16.48
11 41 33 00-0182	EA		18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	266.48	16.61
11 41 33 00-0183	EA		18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	291.87	16.86
11 41 33 00-0184	EA		21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	202.04	15.96
11 41 33 00-0185	EA		21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	218.03	16.09
11 41 33 00-0186	EA		21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	229.63	16.22
11 41 33 00-0187	EA		21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	243.36	16.35
11 41 33 00-0188	EA		21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	252.73	16.48
11 41 33 00-0189	EA		21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	275.45	16.61
11 41 33 00-0190	EA		21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	286.99	16.73
11 41 33 00-0191	EA		21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	316.82	16.99
11 41 33 00-0192	EA		24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	222.56	16.09
11 41 33 00-0193	EA		24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	231.86	16.22
11 41 33 00-0194	EA		24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	238.93	16.35
11 41 33 00-0195	EA		24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	257.22	16.48
11 41 33 00-0196	EA		24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	268.77	16.61
11 41 33 00-0197	EA		24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	291.48	16.73
11 41 33 00-0198	EA		24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	307.46	16.86
11 41 33 00-0199	EA		24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	346.27	17.12
11 41 33 00-0200	EA		30" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	294.39	16.22
11 41 33 00-0201	EA		30" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	330.47	16.35
11 41 33 00-0202	EA		30" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	353.24	16.48
11 41 33 00-0203	EA		30" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	405.00	16.61
11 41 33 00-0204	EA		36" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	324.96	16.73
11 41 33 00-0205	EA		36" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	358.88	16.86
11 41 33 00-0206	EA		36" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	401.69	16.99
11 41 33 00-0207	EA		36" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit .....	470.86	17.25
<b>11 41 33 00-0208</b>			<b>96" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit <small>(11 41 33 00-0002)</small></b>		
11 41 33 00-0209	EA		14" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit .....	209.63	15.69
11 41 33 00-0210	EA		14" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit .....	221.18	15.83
11 41 33 00-0211	EA		14" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit .....	235.53	15.96
11 41 33 00-0212	EA		14" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit .....	244.32	16.09
11 41 33 00-0213	EA		14" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit .....	261.40	16.22
11 41 33 00-0214	EA		14" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit .....	275.81	16.35
11 41 33 00-0215	EA		14" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit .....	287.36	16.48
11 41 33 00-0216	EA		14" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit .....	313.23	16.73
11 41 33 00-0217	EA		18" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit .....	229.53	15.83
11 41 33 00-0218	EA		18" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit .....	238.33	15.96
11 41 33 00-0219	EA		18" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit .....	247.12	16.09
11 41 33 00-0220	EA		18" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit .....	272.61	16.22
11 41 33 00-0221	EA		18" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit .....	289.75	16.35
11 41 33 00-0222	EA		18" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit .....	312.46	16.48
11 41 33 00-0223	EA		18" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit .....	321.19	16.61
11 41 33 00-0224	EA		18" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit .....	352.73	16.86
11 41 33 00-0225	EA		21" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit .....	241.14	15.96
11 41 33 00-0226	EA		21" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit .....	261.02	16.09
11 41 33 00-0227	EA		21" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit .....	275.42	16.22
11 41 33 00-0228	EA		21" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit .....	292.49	16.35
11 41 33 00-0229	EA		21" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit .....	304.11	16.48
11 41 33 00-0230	EA		21" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit .....	332.40	16.61
11 41 33 00-0231	EA		21" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit .....	346.74	16.73
11 41 33 00-0232	EA		21" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit .....	383.83	16.99
11 41 33 00-0233	EA		24" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit .....	266.69	16.09
11 41 33 00-0234	EA		24" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit .....	278.22	16.22
11 41 33 00-0235	EA		24" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit .....	286.96	16.35
11 41 33 00-0236	EA		24" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit .....	309.72	16.48
11 41 33 00-0237	EA		24" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit .....	324.05	16.61
11 41 33 00-0238	EA		24" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit .....	352.34	16.73



	<b>Equipment</b>	<b>11</b>
	<b>Foodservice Equipment</b>	<b>11 40</b>
	<b>Foodservice Storage Equipment</b>	<b>11 41</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0239	EA		24" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	372.22	16.86
11 41 33 00-0240	EA		24" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	420.54	17.12
11 41 33 00-0241	EA		30" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	356.39	16.22
11 41 33 00-0242	EA		30" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	401.38	16.35
11 41 33 00-0243	EA		30" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	429.74	16.48
11 41 33 00-0244	EA		30" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	494.35	16.61
11 41 33 00-0245	EA		36" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	394.20	16.73
11 41 33 00-0246	EA		36" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	436.51	16.86
11 41 33 00-0247	EA		36" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	489.90	16.99
11 41 33 00-0248	EA		36" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit.....	576.18	17.25
<b>11 41 33 00-0249</b>			<b>Galvanized Shelving Units (11 41 33 00-0001)</b>		
<b>11 41 33 00-0250</b>			<b>54" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)</b>		
11 41 33 00-0251	EA		14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	183.36	15.69
11 41 33 00-0252	EA		14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	193.30	15.83
11 41 33 00-0253	EA		14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	205.66	15.96
11 41 33 00-0254	EA		14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	215.59	16.09
11 41 33 00-0255	EA		14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	230.34	16.22
11 41 33 00-0256	EA		14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	242.65	16.35
11 41 33 00-0257	EA		14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	255.02	16.48
11 41 33 00-0258	EA		14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	274.87	16.73
11 41 33 00-0259	EA		18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	200.46	15.83
11 41 33 00-0260	EA		18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	208.06	15.96
11 41 33 00-0261	EA		18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	222.75	16.09
11 41 33 00-0262	EA		18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	239.88	16.22
11 41 33 00-0263	EA		18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	254.62	16.35
11 41 33 00-0264	EA		18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	274.10	16.48
11 41 33 00-0265	EA		18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	288.86	16.61
11 41 33 00-0266	EA		18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	311.17	16.86
11 41 33 00-0267	EA		21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	210.43	15.96
11 41 33 00-0268	EA		21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	229.96	16.09
11 41 33 00-0269	EA		21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	242.26	16.22
11 41 33 00-0270	EA		21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	257.01	16.35
11 41 33 00-0271	EA		21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	266.95	16.48
11 41 33 00-0272	EA		21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	293.62	16.61
11 41 33 00-0273	EA		21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	305.98	16.73
11 41 33 00-0274	EA		21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	342.58	16.99
11 41 33 00-0275	EA		24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	234.73	16.09
11 41 33 00-0276	EA		24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	244.65	16.22
11 41 33 00-0277	EA		24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	252.24	16.35
11 41 33 00-0278	EA		24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	271.72	16.48
11 41 33 00-0279	EA		24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	293.62	16.61
11 41 33 00-0280	EA		24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	317.90	16.73
11 41 33 00-0281	EA		24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	337.42	16.86
11 41 33 00-0282	EA		24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	381.24	17.12
<b>11 41 33 00-0283</b>			<b>63" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)</b>		
11 41 33 00-0284	EA		14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	188.13	15.69
11 41 33 00-0285	EA		14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	198.07	15.83
11 41 33 00-0286	EA		14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	210.43	15.96
11 41 33 00-0287	EA		14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	220.36	16.09
11 41 33 00-0288	EA		14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	235.11	16.22
11 41 33 00-0289	EA		14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	247.42	16.35
11 41 33 00-0290	EA		14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	259.79	16.48
11 41 33 00-0291	EA		14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	279.64	16.73
11 41 33 00-0292	EA		18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	205.23	15.83
11 41 33 00-0293	EA		18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	212.82	15.96
11 41 33 00-0294	EA		18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	227.52	16.09
11 41 33 00-0295	EA		18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	244.65	16.22
11 41 33 00-0296	EA		18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	259.39	16.35
11 41 33 00-0297	EA		18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	278.87	16.48
11 41 33 00-0298	EA		18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	293.62	16.61
11 41 33 00-0299	EA		18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	315.91	16.86
11 41 33 00-0300	EA		21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	215.20	15.96
11 41 33 00-0301	EA		21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	234.73	16.09
11 41 33 00-0302	EA		21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	247.03	16.22
11 41 33 00-0303	EA		21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	261.78	16.35
11 41 33 00-0304	EA		21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	271.72	16.48
11 41 33 00-0305	EA		21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	298.39	16.61
11 41 33 00-0306	EA		21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	310.75	16.73
11 41 33 00-0307	EA		21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	347.35	16.99
11 41 33 00-0308	EA		24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	239.50	16.09
11 41 33 00-0309	EA		24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	249.42	16.22
11 41 33 00-0310	EA		24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	257.01	16.35
11 41 33 00-0311	EA		24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	276.49	16.48
11 41 33 00-0312	EA		24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	298.39	16.61
11 41 33 00-0313	EA		24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	322.67	16.73
11 41 33 00-0314	EA		24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	342.19	16.86



**11 Equipment**  
**11 40 Foodservice Equipment**  
**11 41 Foodservice Storage Equipment**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0315 EA 24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	386.01	17.12
<b>11 41 33 00-0316 74" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)</b>		
11 41 33 00-0317 EA 14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	192.90	15.69
11 41 33 00-0318 EA 14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	202.84	15.83
11 41 33 00-0319 EA 14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	215.20	15.96
11 41 33 00-0320 EA 14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	225.13	16.09
11 41 33 00-0321 EA 14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	239.88	16.22
11 41 33 00-0322 EA 14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	252.19	16.35
11 41 33 00-0323 EA 14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	264.56	16.48
11 41 33 00-0324 EA 14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	284.41	16.73
11 41 33 00-0325 EA 18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	210.00	15.83
11 41 33 00-0326 EA 18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	217.59	15.96
11 41 33 00-0327 EA 18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	232.29	16.09
11 41 33 00-0328 EA 18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	249.42	16.22
11 41 33 00-0329 EA 18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	264.16	16.35
11 41 33 00-0330 EA 18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	283.64	16.48
11 41 33 00-0331 EA 18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	298.39	16.61
11 41 33 00-0332 EA 18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	320.68	16.86
11 41 33 00-0333 EA 21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	219.97	15.96
11 41 33 00-0334 EA 21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	239.50	16.09
11 41 33 00-0335 EA 21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	251.80	16.22
11 41 33 00-0336 EA 21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	266.55	16.35
11 41 33 00-0337 EA 21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	276.49	16.48
11 41 33 00-0338 EA 21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	303.16	16.61
11 41 33 00-0339 EA 21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	315.52	16.73
11 41 33 00-0340 EA 21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	352.12	16.99
11 41 33 00-0341 EA 24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	244.27	16.09
11 41 33 00-0342 EA 24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	254.19	16.22
11 41 33 00-0343 EA 24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	261.78	16.35
11 41 33 00-0344 EA 24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	281.26	16.48
11 41 33 00-0345 EA 24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	303.16	16.61
11 41 33 00-0346 EA 24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	327.44	16.73
11 41 33 00-0347 EA 24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	346.96	16.86
11 41 33 00-0348 EA 24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	390.78	17.12
<b>11 41 33 00-0349 86" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit (11 41 33 00-0249)</b>		
11 41 33 00-0350 EA 14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	204.87	15.69
11 41 33 00-0351 EA 14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	214.81	15.83
11 41 33 00-0352 EA 14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	227.18	15.96
11 41 33 00-0353 EA 14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	237.11	16.09
11 41 33 00-0354 EA 14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	251.85	16.22
11 41 33 00-0355 EA 14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	264.16	16.35
11 41 33 00-0356 EA 14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	276.54	16.48
11 41 33 00-0357 EA 14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	296.38	16.73
11 41 33 00-0358 EA 18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	221.97	15.83
11 41 33 00-0359 EA 18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	229.57	15.96
11 41 33 00-0360 EA 18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	244.27	16.09
11 41 33 00-0361 EA 18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	261.39	16.22
11 41 33 00-0362 EA 18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	276.14	16.35
11 41 33 00-0363 EA 18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	295.61	16.48
11 41 33 00-0364 EA 18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	310.37	16.61
11 41 33 00-0365 EA 18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	332.65	16.86
11 41 33 00-0366 EA 21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	231.95	15.96
11 41 33 00-0367 EA 21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	251.47	16.09
11 41 33 00-0368 EA 21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	263.77	16.22
11 41 33 00-0369 EA 21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	278.53	16.35
11 41 33 00-0370 EA 21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	288.47	16.48
11 41 33 00-0371 EA 21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	315.14	16.61
11 41 33 00-0372 EA 21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	327.49	16.73
11 41 33 00-0373 EA 21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	364.10	16.99
11 41 33 00-0374 EA 24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	256.24	16.09
11 41 33 00-0375 EA 24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	266.16	16.22
11 41 33 00-0376 EA 24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	273.76	16.35
11 41 33 00-0377 EA 24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	293.23	16.48
11 41 33 00-0378 EA 24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	315.14	16.61
11 41 33 00-0379 EA 24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	339.41	16.73
11 41 33 00-0380 EA 24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	358.94	16.86
11 41 33 00-0381 EA 24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	402.75	17.12
<b>11 41 33 00-0382 54" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit (11 41 33 00-0249)</b>		
11 41 33 00-0383 EA 18" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	358.99	16.09
11 41 33 00-0384 EA 18" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	395.62	16.35
11 41 33 00-0385 EA 18" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	444.21	16.61
11 41 33 00-0386 EA 18" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	473.65	16.86
11 41 33 00-0387 EA 24" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	393.20	16.35
11 41 33 00-0388 EA 24" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	456.14	16.61
11 41 33 00-0389 EA 24" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	504.71	16.86



<b>Equipment</b>	<b>11</b>	
<b>Foodservice Equipment</b>	<b>11 40</b>	<b>11</b>
<b>Foodservice Storage Equipment</b>	<b>11 41</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0390 EA 24" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit.....	577.19	17.12
<b>11 41 33 00-0391 63" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit</b> <small>(11 41 33 00-0249)</small>		
11 41 33 00-0392 EA 18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	363.75	16.09
11 41 33 00-0393 EA 18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	400.40	16.35
11 41 33 00-0394 EA 18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	448.98	16.61
11 41 33 00-0395 EA 18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	478.42	16.86
11 41 33 00-0396 EA 24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	397.97	16.35
11 41 33 00-0397 EA 24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	460.91	16.61
11 41 33 00-0398 EA 24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	509.48	16.86
11 41 33 00-0399 EA 24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit.....	581.96	17.12
<b>11 41 33 00-0400 74" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit</b> <small>(11 41 33 00-0249)</small>		
11 41 33 00-0401 EA 18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	368.52	16.09
11 41 33 00-0402 EA 18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	405.17	16.35
11 41 33 00-0403 EA 18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	453.76	16.61
11 41 33 00-0404 EA 18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	483.19	16.86
11 41 33 00-0405 EA 24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	402.74	16.35
11 41 33 00-0406 EA 24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	465.68	16.61
11 41 33 00-0407 EA 24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	514.25	16.86
11 41 33 00-0408 EA 24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit.....	586.74	17.12
<b>11 41 33 00-0409 86" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit</b> <small>(11 41 33 00-0249)</small>		
11 41 33 00-0410 EA 18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	380.50	16.09
11 41 33 00-0411 EA 18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	417.14	16.35
11 41 33 00-0412 EA 18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	465.72	16.61
11 41 33 00-0413 EA 18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	495.17	16.86
11 41 33 00-0414 EA 24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	414.71	16.35
11 41 33 00-0415 EA 24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	477.65	16.61
11 41 33 00-0416 EA 24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	526.22	16.86
11 41 33 00-0417 EA 24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit.....	598.70	17.12
<b>11 41 33 00-0418 Stainless Steel Shelving Unit</b> <small>(11 41 33 00-0001)</small>		
<b>11 41 33 00-0419 63" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit</b> <small>(11 41 33 00-0418)</small>		
11 41 33 00-0420 EA 18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	643.38	16.09
11 41 33 00-0421 EA 18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	756.49	16.35
11 41 33 00-0422 EA 18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	899.65	16.61
11 41 33 00-0423 EA 18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,049.60	16.86
11 41 33 00-0424 EA 24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	766.02	16.35
11 41 33 00-0425 EA 24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	895.90	16.61
11 41 33 00-0426 EA 24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,066.34	16.86
11 41 33 00-0427 EA 24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,291.75	17.12
<b>11 41 33 00-0428 74" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit</b> <small>(11 41 33 00-0418)</small>		
11 41 33 00-0429 EA 18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	667.28	16.09
11 41 33 00-0430 EA 18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	780.39	16.35
11 41 33 00-0431 EA 18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	926.95	16.61
11 41 33 00-0432 EA 18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,073.49	16.86
11 41 33 00-0433 EA 24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	789.93	16.35
11 41 33 00-0434 EA 24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	919.79	16.61
11 41 33 00-0435 EA 24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,090.23	16.86
11 41 33 00-0436 EA 24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,315.66	17.12
<b>11 41 33 00-0437 86" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit</b> <small>(11 41 33 00-0418)</small>		
11 41 33 00-0438 EA 18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit.....	691.17	16.09
11 41 33 00-0439 EA 18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit.....	804.28	16.35
11 41 33 00-0440 EA 18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit.....	950.84	16.61
11 41 33 00-0441 EA 18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,097.39	16.86
11 41 33 00-0442 EA 24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit.....	813.82	16.35
11 41 33 00-0443 EA 24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit.....	943.69	16.61
11 41 33 00-0444 EA 24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,114.14	16.86
11 41 33 00-0445 EA 24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,339.55	17.12
<b>11 41 33 00-0446 63" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit</b> <small>(11 41 33 00-0418)</small>		
11 41 33 00-0447 EA 18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	772.46	16.09
11 41 33 00-0448 EA 18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	855.59	16.35
11 41 33 00-0449 EA 18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	966.08	16.61
11 41 33 00-0450 EA 18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,032.67	16.86
11 41 33 00-0451 EA 24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	928.54	16.35
11 41 33 00-0452 EA 24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,096.62	16.61
11 41 33 00-0453 EA 24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit.....	1,219.11	16.86

**11 Equipment****11 40 Foodservice Equipment****11 41 Foodservice Storage Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0454	EA		24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,402.47	17.12
<b>11 41 33 00-0455</b>			<b>74" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit</b> <small>(11 41 33 00-0418)</small>		
11 41 33 00-0456	EA		18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit .....	796.35	16.09
11 41 33 00-0457	EA		18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit .....	880.93	16.35
11 41 33 00-0458	EA		18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit .....	993.38	16.61
11 41 33 00-0459	EA		18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,061.11	16.86
11 41 33 00-0460	EA		24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit .....	952.44	16.35
11 41 33 00-0461	EA		24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,120.52	16.61
11 41 33 00-0462	EA		24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,244.35	16.86
11 41 33 00-0463	EA		24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,429.77	17.12
<b>11 41 33 00-0464</b>			<b>86" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit</b> <small>(11 41 33 00-0418)</small>		
11 41 33 00-0465	EA		18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	820.26	16.09
11 41 33 00-0466	EA		18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	904.37	16.35
11 41 33 00-0467	EA		18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,016.23	16.61
11 41 33 00-0468	EA		18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,083.64	16.86
11 41 33 00-0469	EA		24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	976.34	16.35
11 41 33 00-0470	EA		24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,144.42	16.61
11 41 33 00-0471	EA		24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,267.49	16.86
11 41 33 00-0472	EA		24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit .....	1,451.71	17.12
<b>11 41 33 00-0473</b>			<b>Galvanized Steel Dunnage Rack</b> <small>(11 41 33 00-0001)</small>		
11 41 33 00-0474	EA		18" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	138.14	11.57
11 41 33 00-0475	EA		18" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	145.91	11.89
11 41 33 00-0476	EA		18" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	154.82	12.22
11 41 33 00-0477	EA		18" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	171.65	12.54
11 41 33 00-0478	EA		18" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	186.23	12.86
11 41 33 00-0479	EA		24" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	149.47	11.57
11 41 33 00-0480	EA		24" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	164.04	11.89
11 41 33 00-0481	EA		24" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	172.95	12.22
11 41 33 00-0482	EA		24" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	188.64	12.54
11 41 33 00-0483	EA		24" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack .....	206.62	12.86
<b>11 41 33 00-0484</b>			<b>Stainless Steel Dunnage Rack</b> <small>(11 41 33 00-0001)</small>		
11 41 33 00-0485	EA		18" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack .....	390.93	12.22
11 41 33 00-0486	EA		18" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack .....	493.09	12.54
11 41 33 00-0487	EA		18" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack .....	842.19	12.86
11 41 33 00-0488	EA		24" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack .....	428.81	12.22
11 41 33 00-0489	EA		24" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack .....	536.95	12.54
11 41 33 00-0490	EA		24" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack .....	919.61	12.86
<b>11 41 33 00-0491</b>			<b>Mobile Racks</b> <small>(11 41 33 00-0001)</small>		
11 41 33 00-0492	EA		Mobile Rack With Pan Slide.....	1,411.79	19.47
<b>11 41 33 00-0493</b>			<b>Can Racks</b> <small>(11 41 33 00-0001)</small>		
11 41 33 00-0494	EA		27-1/4" Wide x 42" Deep x 81-1/16" High, Aluminum Frame Can Rack .....	2,256.51	19.47
			Note: 156 #10 cans capacity		
<b>11 42 Food Preparation Equipment</b>					
<b>11 42 13 Food Preparation Appliances</b>					
<b>11 42 13 00-0001</b>			<b>Vertical Cutter Mixers</b> <small>(11 42 13)</small>		
11 42 13 00-0002	EA		Bench Type Mixers, 25 Quart .....	8,410.85	145.40
11 42 13 00-0003	EA		Bench Type Mixers, 40 Quart .....	9,673.88	145.40
11 42 13 00-0004	EA		Bench Type Mixers, 80 Quart .....	12,087.99	250.08
11 42 13 00-0005	EA		Bench Type Mixers, 130 Quart .....	13,627.12	407.11
<b>11 42 13 00-0006</b>			<b>Choppers</b> <small>(11 42 13)</small>		
11 42 13 00-0007	EA		Choppers, 5 LB .....	2,069.37	116.32
11 42 13 00-0008	EA		Choppers, 16 LB .....	3,039.56	151.21
11 42 13 00-0009	EA		Choppers, 35 LB - 40 LB .....	5,928.67	186.11
11 42 13 00-0010	EA		Choppers, 35 LB - 40 LB/Min, 2 HP .....	4,931.85	165.34
11 42 13 00-0011	EA		Choppers, 35 LB - 40 LB/Min, 3 HP .....	5,603.55	165.34
<b>11 42 13 00-0012</b>			<b>Floor Model Mixer</b> <small>(11 42 13)</small>		
11 42 13 00-0013	EA		Floor Type Mixers, 20 Quart .....	4,020.64	87.24
11 42 13 00-0014	EA		Floor Type Mixers, 60 Quart .....	9,942.52	58.15
11 42 13 00-0015	EA		Floor Type Mixers, 80 Quart .....	15,710.78	58.15
11 42 13 00-0016	EA		Floor Type Mixers, 140 Quart .....	19,906.63	93.06



<b>Equipment</b>	<b>11</b>	
Foodservice Equipment	11 40	11
Food Preparation Equipment	11 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>11 42 13 00-0017 Slicers <sup>(11 42 13)</sup></b>		
11 42 13 00-0018 EA Slicer With Table.....	3,332.60	83.98
<b>11 42 13 00-0019 Peelers <sup>(11 42 13)</sup></b>		
11 42 13 00-0020 EA Small Peeler .....	2,264.15	94.51
11 42 13 00-0021 EA Large Peeler .....	2,382.75	126.03
<b>11 42 13 00-0022 Proof Boxes <sup>(11 42 13)</sup></b>		
11 42 13 00-0023 EA 30-1/2" x 22-1/2", Stainless Steel Proof Box.....	1,306.49	45.72
11 42 13 00-0024 EA 30-1/2" x 45", Stainless Steel Proof Box.....	2,186.24	76.62
11 42 13 00-0025 EA 30-1/2" x 45", Galvanized Proof Box.....	3,292.74	34.78
<b>11 42 13 00-0026 Non-Insulated Heated Proof Cabinet <sup>(11 42 13)</sup></b>		
11 42 13 00-0027 EA Angle Slide 69-3/4", Solid Door Non Insulated Heated Proof Cabinet .....	1,595.70	43.82
11 42 13 00-0028 EA Angle Slide 69-3/4", Clear Door Non Insulated Heated Proof Cabinet.....	1,711.83	46.85
11 42 13 00-0029 EA Channel Slide 69-3/4", Solid Door Non Insulated Heated Proof Cabinet.....	1,584.88	43.46
11 42 13 00-0030 EA Channel Slide 69-3/4", Clear Door Non Insulated Heated Proof Cabinet .....	1,679.74	46.07
<b>11 42 13 00-0031 Insulated Heated Proof Cabinet <sup>(11 42 13)</sup></b>		
11 42 13 00-0032 EA 3 Spacing, 69-3/4" High Solid Door Insulated Heated Proof Cabinet .....	2,544.94	44.92
11 42 13 00-0033 EA 3 Spacing 69-3/4" High Sliding Door Insulated Heated Proof Cabinet.....	2,659.48	46.96
<b>11 42 13 00-0034 Pass-Thru Hot Food Holding Cabinet <sup>(11 42 13)</sup></b>		
11 42 13 00-0035 EA Single Section, Full Door, Pass-Thru Hot Food Holding Cabinet.....	4,207.98	122.13
11 42 13 00-0036 EA Single Section, Half Door, Pass-Thru Hot Food Holding Cabinet.....	4,477.70	122.13
11 42 13 00-0037 EA Two Section, Full Door, Pass-Thru Hot Food Holding Cabinet.....	5,720.40	127.95
11 42 13 00-0038 EA Two Section, Half Door, Pass-Thru Hot Food Holding Cabinet .....	6,271.38	127.95
<b>11 42 16 Food Preparation Surfaces <sup>(11 42)</sup></b>		
<b>11 42 16 00-0001 Tables <sup>(11 42 16)</sup></b>		
<b>11 42 16 00-0002 Baker's Table <sup>(11 42 16 00-0001)</sup></b>		
11 42 16 00-0003 EA 4' Open Base Baker's Table .....	750.02	20.03
11 42 16 00-0004 EA 10' Open Base Baker's Table .....	1,472.04	39.26
11 42 16 00-0005 EA 10' Undershelf Baker's Table .....	1,816.27	48.45
11 42 16 00-0006 EA 10' Three Drawers Baker's Table.....	1,947.90	52.02
11 42 16 00-0007 EA 10' Bins Baker's Table .....	2,865.88	76.57
11 42 16 00-0008 EA 10' Bins And Drawers Baker's Table.....	4,500.30	120.18
<b>11 42 16 00-0009 Preparation Table, Stainless Steel, With Undershelf <sup>(11 42 16 00-0001)</sup></b>		
11 42 16 00-0010 EA 30" x 72" Square Edge Stainless Steel Preparation Table With Undershelf .....	467.70	10.56
11 42 16 00-0011 EA 30" x 72" Marine Edge Stainless Steel Preparation Table With Undershelf .....	503.64	12.68
11 42 16 00-0012 EA 36" x 96" Marine Edge Stainless Steel Preparation Table With Undershelf.....	761.86	17.24
<b>11 42 16 00-0013 Preparation Table, Stainless Steel, With Open Front <sup>(11 42 16 00-0001)</sup></b>		
11 42 16 00-0014 EA 30" X 72" Round Edge Stainless Steel Preparation Table With Open Front.....	492.47	11.11
11 42 16 00-0015 EA 36" X 96" Round Edge Stainless Steel Preparation Table With Open Front.....	632.95	14.29
11 42 16 00-0016 EA 36" X 96" Square Edge Stainless Steel Preparation Table With Open Front.....	543.71	12.29
11 42 16 00-0017 EA 36" X 96" Marine Edge Stainless Steel Preparation Table With Open Front .....	654.44	14.80
11 42 16 00-0018 EA Roller Utility Drawers Stainless Steel Preparation Table With Open Front.....	132.21	2.99
<b>11 42 16 00-0019 Mobile Tables <sup>(11 42 16 00-0001)</sup></b>		
11 42 16 00-0020 EA 21-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top.....	3,163.65	9.46
11 42 16 00-0021 EA 32-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top.....	1,688.76	11.34
11 42 16 00-0022 EA 32-1/4" x 27-1/2" x 41" Stainless Steel Mobile Table With Stainless Steel Top.....	563.56	12.76
<b>11 42 16 00-0023 Hot Food Tables, Stainless Steel, Gas Or Electric <sup>(11 42 16 00-0001)</sup></b>		
11 42 16 00-0024 EA 32-1/4" x 27-1/2" x 41" Stainless Steel Hot Food Tables.....	1,006.49	22.77
11 42 16 00-0025 EA 32-1/4" x 27-1/2" x 21" Stainless Steel Hot Food Tables.....	816.40	18.46
11 42 16 00-0026 EA Full Size Pan With Cover Stainless Steel Hot Food Tables.....	67.75	1.53
11 42 16 00-0027 EA Set Of Three 1/3 Size With Cover Stainless Steel Hot Food Tables.....	99.15	2.24
11 42 16 00-0028 EA 58-1/2", 4 Openings Stainless Steel Hot Food Tables.....	2,039.57	71.61
11 42 16 00-0029 EA 114-1/2", 8 Openings Stainless Steel Hot Food Tables.....	4,057.75	142.88
<b>11 42 16 00-0030 Basic Table <sup>(11 42 16 00-0001)</sup></b>		

**11 Equipment****11 40 Foodservice Equipment****11 42 Food Preparation Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 42 16 00-0031	LF		Table, Basic.....	246.37	10.83
<b>11 42 16 00-0032</b>			<b>Table With Sink</b> <sup>(11 42 16)</sup>		
11 42 16 00-0033	LF		Table With Sink.....	311.94	27.19
<b>11 42 23</b>			<b>Food Preparation Scullery Sinks</b> <sup>(11 42)</sup>		
<b>11 42 23 00-0001</b>			<b>Stainless Steel Scullery Sinks</b> <sup>(11 42 23)</sup>		
			Note: Excludes faucet. See CSI section 22 42 39 00-0047 for service sink faucets.		
11 42 23 00-0002	EA		Stainless Steel Scullery Sink, Single 30" x 24" x 12" Compartment And Drainboard.....	3,177.95	114.08
			For Additional Drain Board, Add	306.39	
11 42 23 00-0003	EA		Stainless Steel Scullery Sink, Double 30" x 24" x 12" Compartment And Drainboard.....	4,399.05	130.38
			For Additional Drain Board, Add	427.68	
11 42 23 00-0004	EA		Stainless Steel Scullery Sink, Triple 30" x 24" x 12" Compartment And Drainboard.....	5,793.24	130.38
			For Additional Drain Board, Add	566.29	
11 42 23 00-0005	EA		Stainless Steel Scullery Sink, Quad 30" x 24" x 12" Compartment And Drainboard.....	8,319.50	130.38
			For Additional Drain Board, Add	818.91	
11 42 23 00-0006	EA		Stainless Steel Pot Sink, Double 20" x 20" x 18" Compartment And Drainboard.....	5,330.98	130.38
11 42 23 00-0007	EA		Stainless Steel Scullery Sink 33-1/2" W x 66" L, Triple.....	4,857.85	248.43
			Note: 6" backsplash with 45 degree return angle, rolled edges. Separated tubs to maintain water temperature.		
11 42 23 00-0008	EA		Stainless Steel Scullery Sink 33" W x 99" L, Triple.....	4,788.91	252.60
			Note: With left and right table drainboard extensions and 6" backsplash with 45 degree return angle, rolled edges. Separated tubs to maintain water temperature.		
11 42 23 00-0009	EA		Stainless Steel Scullery Sink 33-1/2" W x 82-1/2" L, Triple.....	4,611.98	252.60
			Note: With left or right table drainboard extensions and 6" backsplash with 45 degree return angle, rolled edges. Separated tubs to maintain water temperature.		
11 42 23 00-0010	EA		Stainless Steel Scullery Sink 23-1/2" W x 21" L, Single.....	2,397.72	138.58
			Note: 6" backsplash with 45 degree return angle, rolled edges.		
11 42 23 00-0011	EA		Stainless Steel Scullery Sink 23-1/2"W x 36-1/2"L, Single.....	2,559.66	138.58
			Note: With left or right 18" table drainboard extension and 6" backsplash with 45 degree return angle, rolled edges.		
11 42 23 00-0012	EA		Stainless Steel Scullery Sink 23-1/2"W x 42-1/2"L, Single.....	2,657.12	138.58
			Note: With left or right 24" table drainboard extension and 6" backsplash with 45 degree return angle, rolled edges.		
<b>11 44</b>			<b>Food Cooking Equipment</b> <sup>(11 40)</sup>		
<b>11 44 13</b>			<b>Commercial Ranges</b> <sup>(11 44)</sup>		
<b>11 44 13 00-0001</b>			<b>Range</b> <sup>(11 44 13)</sup>		
11 44 13 00-0002	EA		Heavy Duty Range, With 34" Open Top Oven.....	2,781.10	58.15
11 44 13 00-0003	EA		Range With Fry Top.....	2,781.10	58.15
11 44 13 00-0004	EA		Steel Finish Fry Top.....	6,042.83	86.00
11 44 13 00-0005	EA		Stainless Top Only Fry Top.....	6,041.25	85.02
11 44 13 00-0006	EA		Stainless Top And 2 Sides Fry Top.....	6,979.97	98.99
11 44 13 00-0007	EA		Gas Range, Vulcan #260L.....	6,276.76	88.20
			Note: Six 12" burners, open top sections, porcelain on steel aeration plates and grates, 24" griddle/broiler, two 26-1/4" x 22" x 14-1/2" ovens porcelain on steel liner and aluminized steel construction, nickel plated oven racks.		
11 44 13 00-0008	EA		48" Range With Casters (Vulcan 48C-4B24GN).....	8,434.69	38.97
<b>11 44 16</b>			<b>Commercial Ovens</b> <sup>(11 44)</sup>		
<b>11 44 16 00-0001</b>			<b>Bake Oven</b> <sup>(11 44 16)</sup>		
11 44 16 00-0002	EA		Bake Oven - Single Deck.....	5,818.79	87.24
11 44 16 00-0003	EA		Bake Oven - Double Deck.....	12,002.48	116.32
11 44 16 00-0004	EA		Bake Oven - Triple Deck.....	17,528.44	116.32
11 44 16 00-0005	EA		Rotary Oven, Gas, Medium.....	37,855.88	3,780.31
<b>11 44 16 00-0006</b>			<b>Combination Ovens</b> <sup>(11 44 16)</sup>		
			Note: Convection, steam and combination modes.		
11 44 16 00-0007	EA		35.4" x 34" x 26.6" Half Size Electric Boilerless Combination Oven.....	13,634.09	101.78
11 44 16 00-0008	EA		35.4" x 45" x 36.8" Full Size Electric Boilerless Combination Oven.....	22,370.09	116.32
11 44 16 00-0009	EA		35.4" x 34" x 36.8 Half Size Electric Boilerless Combination Oven.....	18,479.05	116.32
11 44 16 00-0010	EA		35.4" x 45" x 70.4" Full Size Electric Boilerless Combination Oven.....	44,604.99	145.40
11 44 16 00-0011	EA		35.4" x 34" x 70.4 Half Size Electric Boilerless Combination Oven.....	33,861.52	145.40
<b>11 44 16 00-0012</b>			<b>Electric Convection Type Oven</b> <sup>(11 44 16)</sup>		
11 44 16 00-0013	EA		40" x 45" x 57" Convection Oven.....	9,196.94	98.87
11 44 16 00-0014	EA		30" x 25" x 29" Half Size Electric Convection Oven.....	3,967.05	101.78
11 44 16 00-0015	EA		30" x 25" x 66-3/4" Half Size Electric Convection Oven.....	8,149.37	109.04
11 44 16 00-0016	EA		40" x 41-1/2" x 56-3/4" Single Deck Electric Convection Oven.....	5,608.28	109.04
11 44 16 00-0017	EA		40" x 41-1/2" x 70" Single Deck Electric Convection Oven.....	10,661.68	116.32
<b>11 44 16 00-0018</b>			<b>Broiler, Without Oven</b> <sup>(11 44 16)</sup>		
11 44 16 00-0019	EA		69" x 26" x 39" Broiler Without Oven.....	7,841.66	93.06



<b>Equipment</b>	<b>11</b>	
Foodservice Equipment	11 40	11
Food Cooking Equipment	11 44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0020 EA Conveyor Broiler.....	6,928.42	108.00
<b>11 44 16 00-0021 Oven Stands (11 44 16)</b>		
11 44 16 00-0022 EA Stationary Oven Stand (Rational 60.30.334 US III UltraVent® Stationary Oven Stand).....	1,084.98	
<b>11 44 19 Commercial Cooking Equipment (11 44)</b>		
<b>11 44 19 00-0001 Electric Griddle (11 44 19)</b>		
11 44 19 00-0002 EA 24" Wide x 24" Deep Electric Griddle.....	2,390.60	79.97
11 44 19 00-0003 EA 36" Wide x 24" Deep Electric Griddle.....	3,401.26	79.97
11 44 19 00-0004 EA 48" Wide x 24" Deep Electric Griddle.....	3,893.05	87.24
11 44 19 00-0005 EA 60" Wide x 24" Deep Electric Griddle.....	4,659.07	87.24
11 44 19 00-0006 EA 72" Wide x 24" Deep Electric Griddle.....	5,972.23	94.51
<b>11 44 19 00-0007 Fryer, With Submerger (11 44 19)</b>		
11 44 19 00-0008 EA Single Fryer With Submerger.....	4,219.93	93.06
11 44 19 00-0009 EA Double Fryer With Submerger.....	8,676.28	116.32
11 44 19 00-0010 EA Fryer Battery With Filter Unit (Single 42 LB Capacity).....	13,173.18	151.21
11 44 19 00-0011 EA Fryer Battery With Filter Unit (Triple 42 LB Capacity).....	31,436.18	189.01
11 44 19 00-0012 EA 50 LB Capacity, 208 Volt, Electric Fryer.....	3,773.96	116.32
11 44 19 00-0013 EA 50 LB Capacity, Single Basket Lift, 208 Volt, Electric Fryer.....	5,556.64	122.13
11 44 19 00-0014 EA 50 LB Capacity, 480 Volt, Electric Fryer.....	3,961.65	116.32
11 44 19 00-0015 EA 50 LB Capacity, Single Basket Lift, 480 Volt, Electric Fryer.....	5,744.33	122.13
11 44 19 00-0016 EA 85 LB Capacity, Single Basket Lift, 208 Volt, Electric Fryer.....	12,665.36	151.21
11 44 19 00-0017 EA 85 LB Capacity, Single Basket Lift, 480 Volt, Electric Fryer.....	12,973.37	151.21
<b>11 44 19 00-0018 Kettles, Steam Jacketed (11 44 19)</b>		
11 44 19 00-0019 EA 5 Gallon Kettle, With Stand.....	4,402.95	70.56
11 44 19 00-0020 EA 20 Gallon Kettle With Steam Jacket.....	8,390.08	70.56
11 44 19 00-0021 EA 40 Gallon Kettle With Steam Jacket.....	8,659.17	70.56
11 44 19 00-0022 EA 60 Gallon Kettle With Steam Jacket.....	10,468.52	70.56
<b>11 44 19 00-0023 Steamers, Electric (11 44 19)</b>		
<b>11 44 19 00-0024 Cooking Equipment/ Steamers (11 44 19 00-0023)</b>		
11 44 19 00-0025 EA 3 Pan, Electric Countertop Convection Steamer.....	5,183.66	122.13
11 44 19 00-0026 EA 5 Pan, Electric Countertop Convection Steamer.....	6,830.00	127.95
11 44 19 00-0027 EA 3 Pan, Electric Countertop Boilerless/Connectionless Steamer.....	4,795.43	122.13
11 44 19 00-0028 EA 5 Pan, Electric Countertop Boilerless/Connectionless Steamer.....	6,997.63	127.95
<b>11 44 19 00-0029 Braising Pans (11 44 19)</b>		
11 44 19 00-0030 EA 24" x 24", 240 Volt, Tilting Braising Pan.....	9,344.22	122.98
11 44 19 00-0031 EA 24" x 31", 240 Volt, Tilting Braising Pan.....	9,861.23	129.33
11 44 19 00-0032 EA 24" x 41", 240 Volt, Tilting Braising Pan.....	10,502.96	137.72
11 44 19 00-0033 EA 24" x 24", 62,000 BTU/Hour, Tilting Braising Pan.....	12,181.30	160.37
11 44 19 00-0034 EA 24" x 31", 90,000 BTU/Hour, Tilting Braising Pan.....	12,596.85	165.31
11 44 19 00-0035 EA 24" x 41", 120,000 BTU/Hour, Tilting Braising Pan.....	13,088.86	169.69
<b>11 44 19 00-0036 Toasters (11 44 19)</b>		
11 44 19 00-0037 EA Bun Toaster 3.2 KW.....	1,831.61	15.32
11 44 19 00-0038 EA Bun Toaster 4.3 KW.....	1,999.10	16.68
11 44 19 00-0039 EA Pop-Up Toaster, 2 Slot.....	402.29	62.98
11 44 19 00-0040 EA Conveyor Toaster.....	700.39	94.51
<b>11 44 19 00-0041 Microwave Ovens (11 44 19)</b>		
11 44 19 00-0042 EA 1,000 Watt Commercial Grade Microwave Oven, Freestanding Metallic Cabinet With Dial Timer.....	983.49	
11 44 19 00-0043 EA 1,000 Watt Commercial Grade Microwave Oven, Freestanding Stainless Steel Cabinet With Digital Display.....	1,371.27	
<b>11 44 19 00-0044 Ceramic Broiler On Storage Base With Doors (11 44 19)</b>		
11 44 19 00-0045 EA Standard Finish Ceramic Boiler On Storage Base With Doors.....	7,699.66	100.82
11 44 19 00-0046 EA Stainless Steel Front Ceramic Boiler On Storage Base With Doors.....	7,699.66	100.82
11 44 19 00-0047 EA Stainless Steel Front And Sides Ceramic Boiler On Storage Base With Doors.....	9,569.17	125.87
<b>11 44 19 00-0048 Gas Countertop Hot Plate (11 44 19)</b>		
11 44 19 00-0049 EA 2 Burners Gas Countertop Hot Plate.....	981.60	12.84

**11 46 Food Dispensing Equipment (11 40)**

<b>11</b>	<b>Equipment</b>
<b>11 40</b>	<b>Foodservice Equipment</b>
<b>11 46</b>	<b>Food Dispensing Equipment</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**11 46 13 Bar Equipment** (11 46)**11 46 13 00-0001 Soft Serve Machines** (11 46 13)

11 46 13 00-0002	EA	Soft Serve Machines, Medium .....	9,519.03	68.75
11 46 13 00-0003	EA	Soft Serve Machines, Large .....	16,077.39	83.98

**11 46 13 00-0004 Salad Bars** (11 46 13)

11 46 13 00-0005	EA	96" Refrigerated Salad Bar With Light 54" Height .....	9,229.06	273.40
11 46 13 00-0006	EA	96" Refrigerated Salad Bar Without Light 54" Height .....	8,456.52	273.40
11 46 13 00-0007	EA	96" Iced Salad Bar Without Light 54" Height .....	5,962.54	150.21
11 46 13 00-0008	EA	79" Iced Salad Bar Without Light 54" Height .....	4,713.82	123.40
11 46 13 00-0009	EA	79" Refrigerated Salad Bar Without Light 54" Height .....	7,163.64	181.04
11 46 13 00-0010	EA	114" Iced Salad Bar 34" Height .....	7,905.68	160.37
11 46 13 00-0011	EA	Salad Bar Tray Fixed .....	1,193.30	27.16
11 46 13 00-0012	EA	Salad Bar Tray Hinged .....	1,270.43	27.16

**11 46 16 Service Line Equipment** (11 46)**11 46 16 00-0001 Food Warmer Holding Station** (11 46 16)

11 46 16 00-0002	EA	Food Warmer Station And Heat Lamp .....	676.79	5.65
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**11 46 16 00-0003 Roll And Food Warmers** (11 46 16)

11 46 16 00-0004	EA	One Drawer, 16 Roll Capacity Food Warmer .....	1,456.34	12.18
11 46 16 00-0005	EA	Three Drawer, 36 Roll Capacity Food Warmer .....	3,332.70	27.88

**11 46 16 00-0006 Hot Cabinets With Top Wells Electric** (11 46 16)

11 46 16 00-0007	EA	2 Wells, 2 Compartments Hot Cabinet With Top Wells, Electric .....	7,875.92	100.82
11 46 16 00-0008	EA	3 Wells, 3 Compartments Hot Cabinet With Top Wells, Electric .....	11,252.09	144.49

**11 46 16 00-0009 Portable Hot Food Units** (11 46 16)

11 46 16 00-0010	EA	46" Wide x 28" Deep x 34" Height, Three Well, Stainless Steel Hot Food Station (Vollrath Model 37030) .....	3,713.60	
11 46 16 00-0011	EA	60" Wide x 28" Deep x 34" Height, Four Well, Stainless Steel Hot Food Station (Vollrath Model 37040) .....	4,250.68	
11 46 16 00-0012	EA	74" Wide x 28" Deep x 34" Height, Five Well, Stainless Steel Hot Food Station (Vollrath Model 37050) .....	4,803.77	

**11 46 16 00-0013 Stationary Hot Food Units** (11 46 16)

11 46 16 00-0014	EA	46" Wide x 29-1/2" Deep x 34" Height, Three Well, Stainless Steel Hot Food Station (Vollrath Model 38203) .....	1,125.14	20.53
11 46 16 00-0015	EA	61-1/4" Wide x 29-1/2" Deep x 34" Height, Four Well, Stainless Steel Hot Food Station (Vollrath Model 38204) .....	1,510.19	23.64
11 46 16 00-0016	EA	76" Wide x 29-1/2" Deep x 34" Height, Five Well, Stainless Steel Hot Food Station (Vollrath Model 38205) .....	1,881.03	30.27

**11 46 16 00-0017 Serving Counters** (11 46 16)

11 46 16 00-0018	LF	11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Straight Section .....	86.67	23.73
11 46 16 00-0019	LF	11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Curved Section .....	107.42	36.35

**11 46 16 00-0020 Drop-In Equipment** (11 46 16)

11 46 16 00-0021	EA	Hot Food Well, Rectangular .....	370.86	75.60
11 46 16 00-0022	EA	Hot Food Well, Circular .....	336.54	75.60
11 46 16 00-0023	EA	Refrigerated Well, 2 Compartment .....	1,241.59	75.60
11 46 16 00-0024	EA	Refrigerated Well, 3 Compartment .....	1,411.05	83.98
11 46 16 00-0025	EA	Refrigerated Well, 4 Compartment .....	1,603.39	94.51
11 46 16 00-0026	EA	Frost Cold Plate .....	1,558.00	83.98

**11 46 16 00-0027 Beverage Dispensing** (11 46 16)

11 46 16 00-0028	EA	Coffee Urn, Twin 3 Gallon .....	2,560.96	126.47
11 46 16 00-0029	EA	Coffee Urn, Twin 6 Gallon .....	3,648.83	177.02
11 46 16 00-0030	EA	Coffee Brewer, 5 Burner .....	1,025.11	126.47
11 46 16 00-0031	EA	Hot Chocolate Dispenser .....	1,006.22	104.16
11 46 16 00-0032	EA	Iced Tea Brewer .....	1,495.29	104.16
11 46 16 00-0033	EA	Juice Dispenser (Concentrate) .....	1,022.14	167.85
11 46 16 00-0034	EA	Jet Spray Dispenser .....	1,494.35	168.02
11 46 16 00-0035	EA	Milk Dispenser, Bulk, 2 Flavor .....	1,283.84	94.51
11 46 16 00-0036	EA	Milk Dispenser, Bulk, 3 Flavor .....	1,772.91	94.51

**11 46 16 00-0037 Dish Dispensers** (11 46 16)

11 46 16 00-0038	EA	Dish Dispenser, 12", Drop-in .....	518.62	13.90
11 46 16 00-0039	EA	Dish Dispenser, Mobile .....	1,659.26	16.25
11 46 16 00-0040	EA	Cup And Glass Dispenser, Drop-in .....	855.28	43.24
11 46 16 00-0041	EA	Disposable Cup Dispenser, Drop-in .....	319.78	9.74



<b>Equipment</b>	<b>11</b>	
<b>Foodservice Equipment</b>	<b>11 40</b>	<b>11</b>
<b>Food Dispensing Equipment</b>	<b>11 46</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>11 46 16 00-0042</b> Tray And Silver Dispensers <small>(11 46 16)</small>		
11 46 16 00-0043 EA Tray And Silver Dispensers Mobile.....	2,089.01	9.74
<b>11 46 16 00-0044</b> Condiment Dispensers <small>(11 46 16)</small>		
11 46 16 00-0045 EA Butter Pat Dispenser.....	105.00	12.20
11 46 16 00-0046 EA Bread Dispenser, Counter Top.....	329.80	12.20
<b>11 46 16 00-0047</b> Sandwich Rack Warmer <small>(11 46 16)</small>		
11 46 16 00-0048 EA 18 Compartment, 2 Tier Sandwich Rack Warmer.....	2,559.71	45.11
<b>11 46 16 00-0049</b> Mobile Bread Counter <small>(11 46 16)</small>		
11 46 16 00-0050 EA Mobile Bread And Roll Counter.....	5,879.14	101.42
<b>11 46 16 00-0051</b> Open Service Stand <small>(11 46 16)</small>		
11 46 16 00-0052 EA 6' Open Service Stand.....	2,315.27	63.14
11 46 16 00-0053 LF Each Additional Ft Over 6 Ft Add.....	316.77	8.53
<b>11 46 16 00-0054</b> Mobile Serving Stand Unit <small>(11 46 16)</small>		
11 46 16 00-0055 EA 36" Mobile Serving Stand Unit.....	2,020.41	60.40
11 46 16 00-0056 EA 96" Mobile Serving Stand Unit.....	3,323.83	90.52
<b>11 46 16 00-0057</b> Reach-In Heated Cabinets <small>(11 46 16)</small>		
11 46 16 00-0058 EA Heated Cabinet, Reach-in, 1 Compartment.....	4,054.94	96.95
11 46 16 00-0059 EA Heated Cabinet, Reach-in, 2 Compartment.....	5,855.33	121.96
11 46 16 00-0060 EA Heated Cabinet, 1 Compartment, Pass-Through Roll-In.....	4,248.00	96.95
11 46 16 00-0061 EA Heated Cabinet, Pass-Through, Roll-In 2 Compartment.....	6,135.90	121.96
<b>11 46 16 00-0062</b> Mobile Heated Cabinets <small>(11 46 16)</small>		
11 46 16 00-0063 EA Heated Cabinet, Mobile.....	4,596.19	24.35
<b>11 46 19 Soda Fountain Equipment</b> <small>(11 46)</small>		
<b>11 46 19 00-0001</b> Carbonated Beverage Dispensing <small>(11 46 19)</small>		
11 46 19 00-0002 EA Carbonated Beverage Dispenser.....	2,718.83	236.29
11 46 19 00-0003 EA Carbonated Beverage Dispenser With 90 LB Ice.....	4,389.11	270.03
11 46 19 00-0004 EA Carbonated Beverage Dispenser With 150 LB Ice.....	8,155.61	378.03
<b>11 46 19 00-0005</b> Beverage Chilling Systems <small>(11 46 19)</small>		
11 46 19 00-0006 EA Beverage Chiller, Small.....	5,431.65	217.27
11 46 19 00-0007 EA Beverage Chiller, Large.....	10,191.17	325.94
<b>11 46 83 Ice Machines</b> <small>(11 46)</small>		
<b>11 46 83 00-0001</b> Ice Cube Maker <small>(11 46 83)</small>		
11 46 83 00-0002 EA 101 LB/Day, Self Contained Ice Maker With Built-In Bin.....	1,906.72	101.78
11 46 83 00-0003 EA 201 LB/Day, Self Contained Ice Maker With Built-In Bin.....	2,266.83	109.04
11 46 83 00-0004 EA 260 LB/Day, Self Contained Ice Maker With Built-In Bin.....	2,602.26	116.32
11 46 83 00-0005 EA 320 LB/Day, Modular Ice Maker Without Bin.....	2,291.51	109.04
11 46 83 00-0006 EA 451 LB/Day, Modular Ice Maker Without Bin.....	2,490.49	116.32
11 46 83 00-0007 EA 600 LB/Day, Modular Ice Maker Without Bin.....	2,854.03	116.32
11 46 83 00-0008 EA 901 LB/Day, Modular Ice Maker Without Bin.....	4,087.40	123.58
11 46 83 00-0009 EA 1301 LB/Day, Modular Ice Maker Without Bin.....	4,640.85	123.58
11 46 83 00-0010 EA 1601 LB/Day, Modular Ice Maker Without Bin.....	5,597.60	130.86
11 46 83 00-0011 EA 1900 LB/Day, Modular Ice Maker Without Bin.....	6,185.76	130.86
<b>11 46 83 00-0012</b> Ice Flakers <small>(11 46 83)</small>		
11 46 83 00-0013 EA Ice Flakers, 300 LB/Day.....	4,091.21	363.55
11 46 83 00-0014 EA Ice Flakers, 600 LB/Day.....	7,422.23	581.69
11 46 83 00-0015 EA Ice Flakers, 1,000 LB/Day.....	9,163.13	799.81
11 46 83 00-0016 EA Ice Flakers, 2,000 LB/Day.....	11,211.92	872.52
<b>11 46 83 00-0017</b> Ice Storage Bins <small>(11 46 83)</small>		
11 46 83 00-0018 EA 260 LB Stainless Steel Ice Storage Bin.....	877.14	58.45
11 46 83 00-0019 EA 360 LB Stainless Steel Ice Storage Bin.....	966.00	58.45
11 46 83 00-0020 EA 550 LB Stainless Steel Ice Storage Bin.....	1,212.71	63.31



11	<b>11 Equipment</b>
	<b>11 40 Foodservice Equipment</b>
	<b>11 46 Food Dispensing Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 46 83 00-0021 EA 660 LB Stainless Steel Ice Storage Bin .....	1,311.45	63.31
11 46 83 00-0022 EA 1150 LB Stainless Steel Ice Storage Bin .....	2,555.37	68.19

## 11 48 Foodservice Cleaning and Disposal Equipment (11 40)

### 11 48 13 Commercial Dishwashers (11 48)

11 48 13 00-0001 Sprays And Hoses <small>(11 48 13)</small>		
11 48 13 00-0002 Sprays, Fillers <small>(11 48 13 00-0001)</small>		
11 48 13 00-0003 EA Pre-Rinse Spray .....	317.98	51.72
11 48 13 00-0004 EA Kettle Fillers .....	275.08	51.72

11 48 13 00-0005 Hoses <small>(11 48 13 00-0001)</small>		
11 48 13 00-0006 EA Hose Reel .....	381.58	62.09
11 48 13 00-0007 EA Wash-Down Hose .....	295.77	62.09
11 48 13 00-0008 EA Hose Reel And Spray System With Accessories (Chicago 535NF) .....	1,142.71	

11 48 13 00-0009 Rack Type Dishwasher <small>(11 48 13)</small>		
11 48 13 00-0010 EA Dishwasher, 1 Tank And 190 Racks/Hour .....	9,592.85	141.62
11 48 13 00-0011 EA Dishwasher, 2 Tanks And 234 Racks/Hour .....	16,476.43	371.75
11 48 13 00-0012 EA Dishwasher, 2 Tanks And 265 Racks/Hour .....	19,792.59	424.85
11 48 13 00-0013 EA Dishwasher, Automatic - 100 Meals/Hour .....	15,587.32	106.21
11 48 13 00-0014 EA Dishwasher, Machine Rack .....	18,069.83	295.07
11 48 13 00-0015 EA Dishwasher, Hobart LX30-H .....	4,772.29	123.92

11 48 13 00-0016 Exhaust Hood Dishwasher <small>(11 48 13)</small>		
11 48 13 00-0017 EA 4' x 4' x 2' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides .....	1,737.35	99.70
11 48 13 00-0018 EA 4' x 4' x 7' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides .....	3,088.63	119.63

11 48 13 00-0019 Dish Tables <small>(11 48 13)</small>		
11 48 13 00-0020 LF Clean/Soiled Dish Table, Basic .....	208.95	27.19
11 48 13 00-0021 LF Clean/Soiled Dish Table With Trough .....	329.57	40.74
11 48 13 00-0022 LF Clean/Soiled Dish Table, Maximum .....	396.39	54.30

### 11 48 16 Foodservice Disposal Equipment (11 48)

11 48 16 00-0001 Garbage Disposals <small>(11 48 16)</small>		
Note: Manual switch.		
11 48 16 00-0002 EA 1/2 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal .....	1,131.43	95.59
11 48 16 00-0003 EA 3/4 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal .....	1,438.52	99.13
11 48 16 00-0004 EA 1 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal .....	1,546.58	102.68
11 48 16 00-0005 EA 1.5 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal .....	2,036.25	106.21
11 48 16 00-0006 EA 2 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal .....	2,223.17	116.83
11 48 16 00-0007 EA 3 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal .....	3,157.43	127.46
11 48 16 00-0008 EA 5 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal .....	3,780.74	141.62
11 48 16 00-0009 EA 7-1/2 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal .....	5,282.93	152.24
11 48 16 00-0010 EA 10 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal .....	6,974.22	159.32

11 48 16 00-0011 Pulper/Extractors <small>(11 48 16)</small>		
11 48 16 00-0012 EA 5 HP, Pulper/Extractor, Close-Coupled .....	4,599.48	147.49

## 11 50 Educational And Scientific Equipment (11)

### 11 52 Audio-Visual Equipment (11 50)

#### 11 52 13 Projection Screens (11 52)

##### 11 52 13 13 Fixed Projection Screens (11 52 13)

11 52 13 13-0001 Screens <small>(11 52 13 13)</small>		
11 52 13 13-0002 Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model B) <small>(11 52 13 13-0001)</small>		
11 52 13 13-0003 EA 40" x 40" Pull Down Projection Screen (Da-Lite B) .....	167.43	27.50
For High Contrast Matte, Add 40.00		
For Video Spectra Fabric, Add 40.00		
For High Power Fabric, Add 120.00		
11 52 13 13-0004 EA 50" x 50" Pull Down Projection Screen (Da-Lite B) .....	197.48	35.37
For High Contrast Matte, Add 40.00		
For Video Spectra Fabric, Add 40.00		
For High Power Fabric, Add 120.00		



<b>Equipment</b>	<b>11</b>
<b>Educational And Scientific Equipment</b>	<b>11 50</b>
<b>Audio-Visual Equipment</b>	<b>11 52</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0005 EA 60" x 60" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	243.24 40.00 40.00 120.00	49.12
11 52 13 13-0006 EA 70" x 70" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	279.18 40.00 40.00 120.00	58.95
11 52 13 13-0007 EA 84" x 84" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	435.88 40.00 40.00 120.00	88.42
11 52 13 13-0008 EA 96" x 96" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	520.69 40.00 40.00 120.00	98.24
11 52 13 13-0009 EA 64" x 84" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	384.78 40.00 40.00 120.00	62.87
11 52 13 13-0010 EA 72" x 96" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	432.51 40.00 40.00 120.00	78.59
11 52 13 13-0011 EA 43" x 57" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	244.38 40.00 40.00 120.00	33.40
11 52 13 13-0012 EA 50" x 67" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	337.06 40.00 40.00 120.00	47.16
11 52 13 13-0013 EA 55" x 77" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	365.14 40.00 40.00 120.00	53.05
11 52 13 13-0014 EA 60" x 80" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	389.28 40.00 40.00 120.00	56.98
11 52 13 13-0015 EA 69" x 92" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	445.45 40.00 40.00 120.00	68.77
11 52 13 13-0016 EA 45" x 80" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	373.57 40.00 40.00 120.00	49.12
11 52 13 13-0017 EA 52" x 92" Pull Down Projection Screen (Da-Lite B)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	421.87 40.00 40.00 120.00	56.98
<b>11 52 13 13-0018 Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C) <small>(11 52 13 13-0001)</small></b>		
11 52 13 13-0019 EA 50" x 50" Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	425.56 40.00 40.00 120.00	35.37
11 52 13 13-0020 EA 60" x 60" Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	487.62 40.00 40.00 120.00	49.12
11 52 13 13-0021 EA 70" x 70" Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	555.57 40.00 40.00 120.00	66.80
11 52 13 13-0022 EA 84" x 84" Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	631.39 40.00 40.00 120.00	88.42
11 52 13 13-0023 EA 6' x 8' Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	700.47 40.00 40.00 120.00	90.38
11 52 13 13-0024 EA 8' x 8' Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	748.78 40.00 40.00 120.00	98.24
11 52 13 13-0025 EA 7' x 9' Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	765.07 40.00 40.00 120.00	98.24

**11 Equipment**  
**11 50 Educational And Scientific Equipment**  
**11 52 Audio-Visual Equipment**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0026	EA		9' x 9' Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	825.74 40.00 40.00 120.00	104.13
11 52 13 13-0027	EA		8' x 10' Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	886.40 40.00 40.00 120.00	110.03
11 52 13 13-0028	EA		10' x 10' Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	950.99 40.00 40.00 120.00	117.89
11 52 13 13-0029	EA		9' x 12' Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,081.32 40.00 40.00 120.00	117.89
11 52 13 13-0030	EA		12' x 12' Pull Down Projection Screen (Da-Lite C)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,225.09 40.00 40.00 120.00	157.18
<b>11 52 13 13-0031 Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C With CSR) (11 52 13 13-0001)</b>					
Note: With controlled screen return.					
11 52 13 13-0032	EA		60" x 60" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	813.46 40.00 40.00 120.00	49.12
11 52 13 13-0033	EA		70" x 70" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	897.70 40.00 40.00 120.00	66.80
11 52 13 13-0034	EA		84" x 84" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	973.52 40.00 40.00 120.00	88.42
11 52 13 13-0035	EA		6' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,026.31 40.00 40.00 120.00	90.38
11 52 13 13-0036	EA		8' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,090.91 40.00 40.00 120.00	98.24
11 52 13 13-0037	EA		7' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,107.20 40.00 40.00 120.00	98.24
11 52 13 13-0038	EA		9' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,167.87 40.00 40.00 120.00	104.13
11 52 13 13-0039	EA		8' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,192.02 40.00 40.00 120.00	108.06
11 52 13 13-0040	EA		10' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,342.00 40.00 40.00 120.00	117.89
11 52 13 13-0041	EA		9' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,488.62 40.00 40.00 120.00	117.89
11 52 13 13-0042	EA		12' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	1,664.98 40.00 40.00 120.00	157.18
<b>11 52 13 13-0043 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Cosmopolitan Electrol) (11 52 13 13-0001)</b>					
Note: Heavy-duty screen for exposed installation.					
11 52 13 13-0044	EA		50" x 50" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	1,344.92	44.21
11 52 13 13-0045	EA		60" x 60" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	1,369.73	49.12
11 52 13 13-0046	EA		70" x 70" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	1,417.87	58.95
11 52 13 13-0047	EA		84" x 84" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	1,605.77	88.42
11 52 13 13-0048	EA		6' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	1,645.67	90.38
11 52 13 13-0049	EA		8' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	1,743.86	98.24
11 52 13 13-0050	EA		7' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	1,781.35	98.24
11 52 13 13-0051	EA		9' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	1,867.07	105.11
11 52 13 13-0052	EA		8' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	1,977.36	110.03
11 52 13 13-0053	EA		10' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol).....	2,042.55	117.89



<b>Equipment</b>	<b>11</b>
<b>Educational And Scientific Equipment</b>	<b>11 50</b>
<b>Audio-Visual Equipment</b>	<b>11 52</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0054 EA 9' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol) .....	2,110.02	117.89
11 52 13 13-0055 EA 12' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol) .....	2,305.57	157.18
<b>11 52 13 13-0056 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Professional Electrol) <sup>(11 52 13 13-0001)</sup></b>		
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0057 EA 9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	3,003.78	117.89
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0058 EA 12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	3,212.72	157.18
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0059 EA 14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	4,001.44	176.84
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0060 EA 12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	4,203.65	196.48
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0061 EA 16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	4,445.17	235.77
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0062 EA 13.5' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	4,973.22	255.42
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0063 EA 18' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	5,452.40	275.07
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0064 EA 15' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	5,778.24	275.07
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0065 EA 20' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	6,198.96	314.37
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0066 EA 11' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	5,787.82	255.42
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0067 EA 16.5' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	6,068.63	314.37
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0068 EA 22' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	6,310.14	353.66
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0069 EA 12' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	6,152.96	275.07
Note: Heavy-duty screen for exposed or recessed installation without doors.		
11 52 13 13-0070 EA 18' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	7,939.34	353.66
Note: Heavy-duty screen for exposed or recessed installation without doors.		
<b>11 52 13 13-0071 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Executive Electrol) <sup>(11 52 13 13-0001)</sup></b>		
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0072 EA 50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) .....	2,856.43	44.21
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0073 EA 60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) .....	2,915.13	49.12
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0074 EA 70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) .....	2,967.36	58.95
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0075 EA 84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) .....	3,140.35	88.42
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0076 EA 6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) .....	3,176.86	90.38
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0077 EA 8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) .....	3,290.33	98.24
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0078 EA 7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) .....	3,388.08	98.24
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0079 EA 9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) .....	3,450.71	105.11
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0080 EA 8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) .....	3,542.00	110.03
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0081 EA 10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) .....	3,622.88	117.89
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0082 EA 9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) .....	3,655.46	117.89
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0083 EA 12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) .....	3,896.98	157.18
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0084 EA 10.6' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) .....	4,177.29	167.00
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0085 EA 14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) .....	4,359.86	176.84
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0086 EA 12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) .....	4,757.58	196.48
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0087 EA 16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) .....	4,917.64	235.77
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
<b>11 52 13 13-0088 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Senior Electrol) <sup>(11 52 13 13-0001)</sup></b>		
Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0089 EA 50" x 50" Electric Projection Screen (Da-Lite Senior Electrol) .....	2,361.15	44.21
Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0090 EA 60" x 60" Electric Projection Screen (Da-Lite Senior Electrol) .....	2,403.60	54.03
Note: Heavy duty screen for recessed or exposed installation.		
11 52 13 13-0091 EA 70" x 70" Electric Projection Screen (Da-Lite Senior Electrol) .....	2,428.10	58.95
Note: Heavy duty screen for recessed or exposed installation.		

**11 Equipment****11 50 Educational And Scientific Equipment****11 52 Audio-Visual Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0092 EA 84" x 84" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	2,534.29	88.42
11 52 13 13-0093 EA 6' x 8' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,552.88	90.38
11 52 13 13-0094 EA 8' x 8' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,630.50	98.24
11 52 13 13-0095 EA 7' x 9' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,716.85	98.24
11 52 13 13-0096 EA 9' x 9' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,846.28	105.11
11 52 13 13-0097 EA 8' x 10' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,878.91	110.03
11 52 13 13-0098 EA 10' x 10' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,964.68	117.89
11 52 13 13-0099 EA 9' x 12' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,938.81	137.53
11 52 13 13-0100 EA 12' x 12' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,206.20	157.18
11 52 13 13-0101 EA 10'-6" x 14' Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	4,037.18	167.00
11 52 13 13-0102 EA 14' x 14' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	4,211.61	176.84
11 52 13 13-0103 EA 12' x 16' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	4,552.30	196.48
11 52 13 13-0104 EA 16' x 16' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	4,699.32	235.77
11 52 13 13-0105 EA 13'-6" x 18' Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	5,121.48	255.42
11 52 13 13-0106 EA 18' x 18' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,432.85	275.07
11 52 13 13-0107 EA 15' x 20' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,670.72	275.07
11 52 13 13-0108 EA 20' x 20' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	6,257.62	314.37
11 52 13 13-0109 EA 50" x 67" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	2,428.10	58.95
11 52 13 13-0110 EA 60" x 80" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	2,514.63	78.59
11 52 13 13-0111 EA 69" x 92" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	2,548.96	88.42
11 52 13 13-0112 EA 87" x 116" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,895.21	110.03
11 52 13 13-0113 EA 105" x 140" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,074.04	137.53
11 52 13 13-0114 EA 123" x 164" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,802.68	176.84
11 52 13 13-0115 EA 141" x 188" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	4,005.10	216.13
11 52 13 13-0116 EA 12' x 24' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	7,150.22	294.72
11 52 13 13-0117 EA 45" x 80" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	2,522.78	78.59
11 52 13 13-0118 EA 52" x 92" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	2,573.39	88.42
11 52 13 13-0119 EA 54" x 96" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	2,632.42	94.31
11 52 13 13-0120 EA 58" x 104" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,662.80	102.16
11 52 13 13-0121 EA 65" x 116" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	2,817.00	110.03
11 52 13 13-0122 EA 78" x 139" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,012.13	137.53
11 52 13 13-0123 EA 92" x 164" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	3,758.69	176.84
11 52 13 13-0124 EA 106" x 188" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	4,329.31	216.13
11 52 13 13-0125 EA 119" x 212" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,263.22	255.42
<b>11 52 13 13-0126 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Boardroom Electrol) <sup>(11 52 13 13-0001)</sup></b> Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0127 EA 50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,701.87	44.21
11 52 13 13-0128 EA 60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,747.68	49.12
11 52 13 13-0129 EA 70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,794.32	58.95
11 52 13 13-0130 EA 84" x 84" Electric Projected (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,946.23	88.42
11 52 13 13-0131 EA 6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	2,980.14	90.38



<b>Equipment</b>	<b>11</b>
<b>Educational And Scientific Equipment</b>	<b>11 50</b>
<b>Audio-Visual Equipment</b>	<b>11 52</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0132 EA 8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,060.33	98.24
11 52 13 13-0133 EA 7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,160.79	98.24
11 52 13 13-0134 EA 9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,239.02	105.11
11 52 13 13-0135 EA 8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,296.83	110.03
11 52 13 13-0136 EA 10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,389.01	117.89
11 52 13 13-0137 EA 9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,492.47	117.89
11 52 13 13-0138 EA 12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,658.03	157.18
<b>11 52 13 13-0139 Electric Ascending Project Screen, Matte White, Glass Beaded (Da-Lite Ascender Electrol) (11 52 13 13-0001)</b> Note: High contrast matte white, video spectrum or high power. Includes a motorized spring assisted scissors mechanism which raises the screen surface from the housing ensuring smooth operation. A trap door housing keeps the screen and lift mechanism hidden until the screen is activated.		
11 52 13 13-0140 EA 60" x 80" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	7,330.75	98.24
11 52 13 13-0141 EA 69" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	7,826.21	117.89
11 52 13 13-0142 EA 87" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	9,051.96	176.84
11 52 13 13-0143 EA 105" x 140" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	11,385.56	235.77
11 52 13 13-0144 EA 120" x 160" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	12,604.59	275.07
11 52 13 13-0145 EA 52" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	7,786.92	98.24
11 52 13 13-0146 EA 58" x 104" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	8,494.18	117.89
11 52 13 13-0147 EA 65" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	8,973.37	137.53
11 52 13 13-0148 EA 78" x 139" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	11,267.67	176.84
<b>11 52 13 13-0149 Electric Rear Projection Screen (Da-Lite DA-View) (11 52 13 13-0001)</b> Note: Consists of a single acrylic layer with rear Fensel lens and lenticulated front profile. Un-framed.		
11 52 13 13-0150 EA 60" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	2,491.46	98.24
11 52 13 13-0151 EA 67" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	3,148.96	108.06
11 52 13 13-0152 EA 72" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	3,615.10	117.89
11 52 13 13-0153 EA 84" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	6,632.64	127.71
11 52 13 13-0154 EA 90" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	7,353.93	7,216.39
11 52 13 13-0155 EA 96" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	8,158.65	157.18
11 52 13 13-0156 EA 100" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	10,494.20	176.84
11 52 13 13-0157 EA 120" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	14,233.02	196.48
11 52 13 13-0158 EA 125" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	15,930.74	216.13
11 52 13 13-0159 EA 135" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	21,391.75	235.77
<b>11 52 13 13-0160 Screen Accessories (11 52 13 13-0001)</b>		
<b>11 52 13 13-0161 Manual Pull Down Accessories (11 52 13 13-0160)</b>		
11 52 13 13-0162 EA 6" Mounting Bracket (Pair) .....	35.22	2.95
11 52 13 13-0163 EA 14" Wall Mounting Bracket (Pair) .....	51.51	3.14
11 52 13 13-0164 EA 14-1/2" To 24" Adjustable Wall Mounting Bracket (Pair) .....	61.28	3.54
<b>11 52 13 13-0165 Electric Powered Screen Accessories (11 52 13 13-0160)</b>		
11 52 13 13-0166 EA Single Motor Low Voltage Remote Control System - Infrared .....	399.19	
11 52 13 13-0167 EA Single Motor Low Voltage Remote Control System - Radio Frequency .....	578.40	
<b>11 52 13 13-0168 Projection Screens, Frames, Masking And Hardware (11 52 13 13)</b>		
<b>11 52 13 13-0169 Projection Screens (11 52 13 13-0168)</b> Note: Dimensions given in height x width.		
11 52 13 13-0170 EA 9' x 12' Matt White Manual Projection Screen With AutoReturn Roller (Draper Luma 2) .....	938.34	29.14

**11 Equipment****11 50 Educational And Scientific Equipment****11 52 Audio-Visual Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0171	EA		12' x 12' Matt White Manual Projection Screen With AutoReturn Roller (Draper Luma 2).....	986.14	38.85
11 52 13 13-0172	EA		9' x 9' Matt White Motorized Projection Screen (Draper Targa).....	986.13	25.97
11 52 13 13-0173	EA		9' x 12' Matt White Motorized Projection Screen (Draper Targa).....	1,115.69	29.14
11 52 13 13-0174	EA		12' x 12' Matt White Motorized Projection Screen (Draper Targa).....	1,749.66	38.85
11 52 13 13-0175	EA		12' x 16' Matt White Motorized Projection Screen (Draper Targa).....	2,491.70	48.57
11 52 13 13-0176	EA		14' x 14' Matt White Motorized Projection Screen (Draper Targa).....	2,173.89	43.72
11 52 13 13-0177	EA		16' x 16' Matt White Motorized Projection Screen (Draper Targa).....	2,597.48	58.28
11 52 13 13-0178	EA		15' x 20' Matt White Motorized Projection Screen (Draper Paragon).....	4,208.55	68.00
11 52 13 13-0179	EA		20' x 20' Matt White Motorized Projection Screen (Draper Paragon).....	4,497.50	77.72
11 52 13 13-0180	EA		11' x 22' Matt White Motorized Projection Screen (Draper Paragon).....	4,289.85	63.14
11 52 13 13-0181	EA		16'-6" x 22' Matt White Motorized Projection Screen (Draper Paragon).....	4,452.35	77.72
11 52 13 13-0182	EA		22' x 22' Matt White Motorized Projection Screen (Draper Paragon).....	4,598.89	87.43
11 52 13 13-0183	EA		8'-6" To 16' Positioning Pole (ADC PP-1).....	218.04	
<b>11 52 13 13-0184</b>			<b>Replacement Surface Only, Projection Screen Fabric</b> (11 52 13 13-0168)		
11 52 13 13-0185	EA		9' x 12' Matte White, Replacement Surface Only, Projection Screen Fabric (Draper).....	1,053.44	38.85
11 52 13 13-0186	EA		12' x 12' Matte White, Replacement Surface Only, Projection Screen Fabric (Draper).....	1,328.64	38.85
11 52 13 13-0187	EA		12' x 16' Matte White, Replacement Surface Only, Projection Screen Fabric (Draper).....	1,695.57	38.85
<b>11 52 13 13-0188</b>			<b>Lace And Grommet Projection Screen Fabric</b> (11 52 13 13-0168)		
11 52 13 13-0189	SF		Lace And Grommet Matte White, Projection Screen Fabric (Draper).....	10.45	0.84
11 52 13 13-0190	LF		Lace And Grommet Projection Screen Cord.....	1.10	
<b>11 52 13 13-0191</b>			<b>Wood Frame For Side Black Masking</b> (11 52 13 13-0168)		
11 52 13 13-0192	EA		Up To 13' x 17' Image Size, Side Black Masking Wood Frame And Fabric (4 Sides).....	2,251.76	38.85
			Note: Includes 1" x 3" Lumber, hardware, FP Commando Fabric and shop labor.		
11 52 13 13-0193	EA		Up To 13' x 17' Image Size, Side Black Masking Fabric (4 Sides).....	763.36	19.43
			Note: FP Commando Fabric installed on existing wood frame where wood frame is attached to existing steel frame.		
<b>11 52 13 13-0194</b>			<b>Flown Type Projection Screen Frame</b> (11 52 13 13-0168)		
11 52 13 13-0195	EA		2" x 2" Steel Angle Flown Type Projection Screen Frame (4 Sides), Up To 13' x 17' Image Size.....	2,669.82	38.85
			Note: Includes assembly, hanging hardware and shop labor.		
11 52 13 13-0196	EA		1-1/2" Inside Diameter Schedule 40 Aluminum Pipe Flown Type Projection Screen Frame (4 Sides) With Hollaender Speed Rail Fittings (Rated), Up To 13' x 17' Image Size.....	2,857.46	38.85
			Note: Includes assembly, hanging hardware and shop labor.		
<b>11 52 13 16</b>			<b>Portable Projection Screens</b> (11 52 13)		
<b>11 52 13 16-0001</b>			<b>Projection Screen And Case</b> (11 52 13 16)		
11 52 13 16-0002	EA		9' x 12' Spring-Roller Operated Projection Screen (Draper Luma 2).....	1,210.34	129.52
11 52 13 16-0003	EA		12' x 12' Spring-Roller Operated Projection Screen (Draper Luma 2).....	1,219.28	129.52
11 52 13 16-0004	EA		9' x 9' Non Tensioned Electric Projection Screen (Draper Targa).....	1,270.76	129.52
11 52 13 16-0005	EA		9' x 12' Non Tensioned Electric Projection Screen (Draper Targa).....	1,387.69	129.52
11 52 13 16-0006	EA		12' x 12' Non Tensioned Electric Projection Screen (Draper Targa).....	1,982.80	129.52
11 52 13 16-0007	EA		12' x 16' Non Tensioned Electric Projection Screen (Draper Targa).....	2,685.98	129.52
11 52 13 16-0008	EA		14' x 14' Non Tensioned Electric Projection Screen (Draper Targa).....	2,387.61	129.52
11 52 13 16-0009	EA		16' x 16' Non Tensioned Electric Projection Screen (Draper Targa).....	2,752.91	129.52
11 52 13 16-0010	EA		15' x 20' Non Tensioned Electric Projection Screen (Draper Paragon).....	4,325.12	129.52
11 52 13 16-0011	EA		20' x 20' Non Tensioned Electric Projection Screen (Draper Paragon).....	4,575.22	129.52
11 52 13 16-0012	EA		11' x 22' Non Tensioned Electric Projection Screen (Draper Paragon).....	4,425.85	129.52
11 52 13 16-0013	EA		16'-6" x 22' Non Tensioned Electric Projection Screen (Draper Paragon).....	4,530.07	129.52
11 52 13 16-0014	EA		22' x 22' Non Tensioned Electric Projection Screen (Draper Paragon).....	4,637.75	129.52
11 52 13 16-0015	EA		Projection Screen Hanger Assembly Unit.....	109.48	16.19
			Note: Includes beam clamp, 1/4" cable tail, 8' long, 3/8" x 6" eye and jaw turnbuckle and #1715 pipe clamp (for 1-1/2" I.D. pipe batten).		
<b>11 52 16</b>			<b>Projectors</b> (11 52)		
<b>11 52 16 26</b>			<b>Video Projectors</b> (11 52 16)		
<b>11 52 16 26-0001</b>			<b>Projectors</b> (11 52 16 26)		
11 52 16 26-0002	EA		2,000 Lumens Output, 800 x 600 Pixels, SVGA Compact 3LCD Panels Projector.....	734.03	19.65
11 52 16 26-0003	EA		2,000 Lumens Output, 1024 x 768 Pixels, XGA Compact 3LCD Panels Projector.....	855.60	19.65
11 52 16 26-0004	EA		2,000 Lumens Output, 1280 x 800 Pixels, WXGA Compact 3LCD Panels Projector.....	1,142.18	19.65
11 52 16 26-0005	EA		3,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	1,819.55	19.65
11 52 16 26-0006	EA		3,500 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	2,123.50	19.65
11 52 16 26-0007	EA		3,000 Lumens Output, 1366 x 800 Pixels, WXGA 3LCD Panels Projector.....	2,705.34	19.65
11 52 16 26-0008	EA		4,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	4,320.60	19.65
11 52 16 26-0009	EA		5,200 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	5,866.39	19.65
11 52 16 26-0010	EA		6,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	8,723.49	19.65
<b>11 52 16 26-0011</b>			<b>Projector Mounts</b> (11 52 16 26)		



<b>Equipment</b>	<b>11</b>
<b>Educational And Scientific Equipment</b>	<b>11 50</b>
<b>Audio-Visual Equipment</b>	<b>11 52</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>11 52 16 26-0012 Universal Projector Mounts</b> <small>(11 52 16 26-0011)</small>		
Note: Includes ceiling or wall mounting hardware and hardware for attaching projector. Excludes projector.		
11 52 16 26-0013 EA Flush Ceiling, Universal Projector Mount (Peerless PPF).....	133.24	21.60
11 52 16 26-0014 EA Wall Arm, Universal Projector Mount (Peerless PWA-14).....	241.05	21.60
<b>11 52 16 26-0015 Projector Mount Components</b> <small>(11 52 16 26-0011)</small>		
Note: Complete projector mount system will include ceiling attachment plate, threaded extension column and projector attachment plate. Excludes projector.		
<b>11 52 16 26-0016 Ceiling Attachment Plates For Projector Mounts</b> <small>(11 52 16 26-0015)</small>		
11 52 16 26-0017 EA Finished Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 570).....	45.27	9.81
11 52 16 26-0018 EA Truss Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 557).....	67.39	9.81
11 52 16 26-0019 EA I-Beam Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 558/559).....	100.14	9.81
11 52 16 26-0020 EA Suspended Ceiling, Attachment Plate For Projector Mounts (Peerless CMJ 455).....	121.64	9.81
<b>11 52 16 26-0021 Projector Attachment Plates For Projector Mounts</b> <small>(11 52 16 26-0015)</small>		
11 52 16 26-0022 EA Universal Projector Attachment Plate For Projector Mounts (Peerless PRG-UNV).....	197.02	9.81
11 52 16 26-0023 EA High Security Projector Enclosure For Projector Mounts (Peerless ALB).....	454.96	9.81
<b>11 52 16 26-0024 Threaded Extension Columns For Projector Mounts</b> <small>(11 52 16 26-0015)</small>		
<b>11 52 16 26-0025 Fixed Length, Threaded Extension Column For Projector Mounts</b> <small>(11 52 16 26-0024)</small>		
Note: Peerless EXT series.		
11 52 16 26-0026 EA 6" Fixed Length, Threaded Extension Column For Projector Mounts.....	31.82	2.95
11 52 16 26-0027 EA 12" Fixed Length, Threaded Extension Column For Projector Mounts.....	42.74	2.95
11 52 16 26-0028 EA 18" Fixed Length, Threaded Extension Column For Projector Mounts.....	46.83	2.95
11 52 16 26-0029 EA 24" Fixed Length, Threaded Extension Column For Projector Mounts.....	49.56	2.95
11 52 16 26-0030 EA 36" Fixed Length, Threaded Extension Column For Projector Mounts.....	58.34	3.93
11 52 16 26-0031 EA 48" Fixed Length, Threaded Extension Column For Projector Mounts.....	71.99	3.93
11 52 16 26-0032 EA 60" Fixed Length, Threaded Extension Column For Projector Mounts.....	93.82	3.93
11 52 16 26-0033 EA 72" Fixed Length, Threaded Extension Column For Projector Mounts.....	108.83	3.93
11 52 16 26-0034 EA 84" Fixed Length, Threaded Extension Column For Projector Mounts.....	127.17	4.91
11 52 16 26-0035 EA 96" Fixed Length, Threaded Extension Column For Projector Mounts.....	146.28	4.91
11 52 16 26-0036 EA 108" Fixed Length, Threaded Extension Column For Projector Mounts.....	161.89	5.89
11 52 16 26-0037 EA 120" Fixed Length, Threaded Extension Column For Projector Mounts.....	170.08	5.89
<b>11 52 16 26-0038 Adjustable Length, Threaded Extension Columns For Projector Mounts</b> <small>(11 52 16 26-0024)</small>		
Note: Peerless ADJ series. Adjustable at 1" increments.		
11 52 16 26-0039 EA 6" To 9" Adjustable Length, Threaded Extension Column For Projector Mounts.....	67.13	4.91
11 52 16 26-0040 EA 12" To 18" Adjustable Length, Threaded Extension Column For Projector Mounts.....	108.07	4.91
11 52 16 26-0041 EA 18" To 24" Adjustable Length, Threaded Extension Column For Projector Mounts.....	110.79	4.91
11 52 16 26-0042 EA 24" To 36" Adjustable Length, Threaded Extension Column For Projector Mounts.....	114.89	4.91
11 52 16 26-0043 EA 36" To 60" Adjustable Length, Threaded Extension Column For Projector Mounts.....	123.68	5.89
11 52 16 26-0044 EA 48" To 72" Adjustable Length, Threaded Extension Column For Projector Mounts.....	130.51	5.89
11 52 16 26-0045 EA 60" To 84" Adjustable Length, Threaded Extension Column For Projector Mounts.....	145.52	5.89
11 52 16 26-0046 EA 72" To 96" Adjustable Length, Threaded Extension Column For Projector Mounts.....	159.16	5.89
11 52 16 26-0047 EA 84" To 108" Adjustable Length, Threaded Extension Column For Projector Mounts.....	176.14	6.87
11 52 16 26-0048 EA 96" To 120" Adjustable Length, Threaded Extension Column For Projector Mounts.....	189.79	6.87
11 52 16 26-0049 EA 108" To 132" Adjustable Length, Threaded Extension Column For Projector Mounts.....	206.76	7.85
11 52 16 26-0050 EA 120" To 144" Adjustable Length, Threaded Extension Column For Projector Mounts.....	216.31	7.85
<b>11 52 33 Display Monitors And Panels</b> <small>(11 52)</small>		
<b>11 52 33 00-0001 Television Monitors And Panels</b> <small>(11 52 33)</small>		
Note: Excludes wall or ceiling mounts		
11 52 33 00-0002 EA 27" HD Television, LCD, 1080 DPI, 60 Hertz.....	386.58	7.79
11 52 33 00-0003 EA 32" HD Television, LCD, 720 DPI, 60 Hertz.....	424.17	8.77
11 52 33 00-0004 EA 32" HD Television, LCD, 1080 DPI, 120 Hertz.....	577.34	9.74
11 52 33 00-0005 EA 32" HD Television, LED, 1920x1080 With WI-FI.....	582.66	9.74
Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0006 EA 40" HD Television, LED, 1920x1080 With WI-FI.....	660.04	10.72
Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0007 EA 46" HD Television, LED, 1920x1080 With WI-FI.....	775.59	11.69
Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0008 EA 50" HD Television, LED, 1920x1080 With WI-FI.....	967.54	12.66
Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0009 EA 55" HD Television, LED, 1920x1080 With WI-FI.....	1,158.52	12.66
Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0010 EA 60" HD Television, LED, 1920x1080 With WI-FI.....	1,350.48	13.64
Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0011 EA 65" HD Television, LED, 1920x1080 With WI-FI.....	1,637.91	14.61
Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0012 EA 75" HD Television, LED, 1920x1080 With WI-FI.....	2,593.78	15.59
Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0013 EA 46" 3D Television, LED, 1080 DPI, 240 Hertz.....	1,191.25	11.69
11 52 33 00-0014 EA 55" 3D Television, LED, 1080 DPI, 240 Hertz.....	1,664.05	12.66



**11 Equipment**  
**11 50 Educational And Scientific Equipment**  
**11 52 Audio-Visual Equipment**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 33 00-0015	EA		60" 3D Television, LED, 1080 DPI, 240 Hertz.....	2,254.81	13.64
11 52 33 00-0016	EA		86" Interactive LED Panel (SMARTBOARD SPNL-7086).....	10,680.59	15.59
<b>11 52 33 00-0017</b>			<b>Flat Panel Display Mounting <sup>(11 52 33)</sup></b> Note: Includes anchors, bolts and hardware. Excludes blocking in walls or ceiling.		
11 52 33 00-0018	EA		Swivel Wall Mounts For 10" To 30" Flat Panel Displays ..... Note: 2.6" To 16.6" swing arm extension, 12 degrees tilt	247.86	73.51
11 52 33 00-0019	EA		Premium Swivel Wall Mounts For 23" To 37" Flat Panel Displays..... Note: 4.5" To 20.3" swing arm extension, 15 degrees tilt	382.94	91.89
11 52 33 00-0020	EA		Swivel Wall Mounts For 32" To 60" Flat Panel Displays ..... Note: 4.5" To 20.3" swing arm extension, 15 degrees tilt	396.96	110.27
11 52 33 00-0021	EA		Swivel Wall Mounts For 32" To 60" Flat Panel Displays With Extra Wide 24" Back Plate ..... Note: 4.5" To 20.3" swing arm extension, 15 degrees tilt	422.22	110.27
11 52 33 00-0022	EA		Swivel Wall Mounts For 32" To 50" Flat Panel Displays ..... Note: 4.5" To 26.2" swing arm extension, 15 degrees tilt	422.22	110.27
11 52 33 00-0023	EA		Full Motion Wall Mounts For 13" To 26" Flat Panel Displays ..... Note: 8" Extension	235.25	73.51
11 52 33 00-0024	EA		Full Motion Wall Mounts For 26" To 40" Flat Panel Displays ..... Note: 9.7" Extension	322.43	91.89
11 52 33 00-0025	EA		Full Motion Wall Mounts For 32" To 56" Flat Panel Displays ..... Note: 10.2" Extension	548.27	110.27
11 52 33 00-0026	EA		Full Motion Wall Mounts For 42" To 84" Flat Panel Displays ..... Note: 20" Extension	783.04	128.65
11 52 33 00-0027	EA		Low Profile Tilting Wall Mounts For 26" To 40" Flat Panel Displays ..... Note: 10.2" Extension	297.22	91.89
11 52 33 00-0028	EA		Low Profile Tilting Wall Mounts For 32" To 70" Flat Panel Displays ..... Note: 10.2" Extension	347.64	91.89
11 52 33 00-0029	EA		Low Profile Tilting Wall Mounts For 75" Flat Panel Displays..... Note: 10.2" Extension	409.27	110.27
11 52 33 00-0030	EA		Low Profile Wall Mounts For 26" To 40" Flat Panel Displays.....	246.80	91.89
11 52 33 00-0031	EA		Low Profile Wall Mounts For 40" To 70" Flat Panel Displays.....	284.62	91.89
11 52 33 00-0032	EA		Low Profile Wall Mounts For 75" Flat Panel Displays.....	338.50	110.27
11 52 33 00-0033	EA		Full Motion (Rotates And Tilts) Ceiling Mounts For 32" To 50" Flat Panel Displays, 39" To 63" Extension From Ceiling..... Note: 360 degree rotation, 15 degree tilt.	411.96	147.03
11 52 33 00-0034	EA		Full Motion (Rotates And Tilts) Ceiling Mounts For 32" To 70" Flat Panel Displays, 18" To 31" Extension From Ceiling..... Note: 360 degree rotation, 15 degree tilt.	482.73	147.03
			For 28" To 41" Extension Pole, Add	24.66	
			For 38" To 51" Extension Pole, Add	31.40	
			For 48" To 61" Extension Pole, Add	35.89	
11 52 33 00-0035	EA		VMP Full Motion (Rotates And Tilts) Ceiling Mounts For 37" To 80" Flat Panel Displays, 15" To 37" Extension From Ceiling ..... Note: 360 degree rotation, 15 degree tilt.	507.45	147.03
<b>11 52 33 00-0036</b>			<b>Audio/Video Cabling <sup>(11 52 33)</sup></b>		
11 52 33 00-0037	EA		HDMI M-M Pro/3 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-03).....	23.77	
11 52 33 00-0038	EA		HDMI M-M Pro/6 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-06).....	34.74	
11 52 33 00-0039	EA		HDMI M-M Pro/12 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-12).....	51.92	
11 52 33 00-0040	EA		HDMI M-M Pro/25 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-25).....	107.86	
11 52 33 00-0041	EA		HDMI M-M Pro/35 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-35).....	151.73	
11 52 33 00-0042	EA		HDMI M-M Pro/50 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-50).....	208.39	
11 52 33 00-0043	EA		HDMI M-M Pro/75 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-75).....	285.15	
11 52 33 00-0044	EA		HDMI M-M Pro/100 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-100).....	350.95	
11 52 33 00-0045	EA		HDMI M-M Pro/125 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-125).....	418.59	
11 52 33 00-0046	EA		HDMI M-M Pro/150 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-150).....	462.45	
11 52 33 00-0047	EA		HDMI M-M Pro/175 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-175).....	552.02	
11 52 33 00-0048	EA		HDMI M-M Pro/200 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-200).....	663.53	
11 52 33 00-0049	EA		DVI-D/3 Single Link Male to Male Cables (Extron Electronics #26-649-03).....	23.77	
11 52 33 00-0050	EA		DVI-D/6 Single Link Male to Male Cables (Extron Electronics #26-649-06).....	34.74	
11 52 33 00-0051	EA		DVI-D/12 Single Link Male to Male Cables (Extron Electronics #26-649-12).....	51.92	
11 52 33 00-0052	EA		DVI-D/25 Single Link Male to Male Cables (Extron Electronics #26-649-25).....	107.86	
11 52 33 00-0053	EA		DVI-D/35 Single Link Male to Male Cables (Extron Electronics #26-649-35).....	151.73	
11 52 33 00-0054	EA		DVI-D/50 Single Link Male to Male Cables (Extron Electronics #26-649-50).....	208.39	
11 52 33 00-0055	EA		DVI-D/75 Single Link Male to Male Cables (Extron Electronics #26-649-75).....	285.15	
11 52 33 00-0056	EA		DVI-D/100 Single Link Male to Male Cables (Extron Electronics #26-649-100).....	350.95	
11 52 33 00-0057	EA		DVI-D/125 Single Link Male to Male Cables (Extron Electronics #26-649-125).....	418.59	
11 52 33 00-0058	EA		DVI-D/150 Single Link Male to Male Cables (Extron Electronics #26-649-150).....	462.45	
11 52 33 00-0059	EA		DVI-D/175 Single Link Male to Male Cables (Extron Electronics #26-649-175).....	552.02	
11 52 33 00-0060	EA		DVI-D/200 Single Link Male to Male Cables (Extron Electronics #26-649-200).....	663.53	
11 52 33 00-0061	EA		AV RCA/6 RCA Male to Male Composite Video and Stereo Audio Cables 6' (Extron Electronics #26-643-06).....	10.61	
11 52 33 00-0062	EA		AV RCA/20 RCA Male to Male Composite Video and Stereo Audio Cables 20' (Extron Electronics #26-643-20).....	16.84	
11 52 33 00-0063	EA		VGA M-M MD/3 Male to Male VGA Molded Connector Cables 3' (Extron Electronics #26-238-14).....	12.81	
11 52 33 00-0064	EA		VGA M-M MD/6 Male to Male VGA Molded Connector Cables 6' (Extron Electronics #26-238-01).....	13.90	
11 52 33 00-0065	EA		VGA M-M MD/10 Male to Male VGA Molded Connector Cables 10' (Extron Electronics #26-238-07).....	19.02	
11 52 33 00-0066	EA		VGA M-M MD/15 Male to Male VGA Molded Connector Cables 15' (Extron Electronics #26-238-02).....	22.31	
11 52 33 00-0067	EA		VGA M-M MD/25 Male to Male VGA Molded Connector Cables 25' (Extron Electronics #26-238-03).....	35.48	
11 52 33 00-0068	EA		VGA M-M MD/35 Male to Male VGA Molded Connector Cables 35' (Extron Electronics #26-238-17).....	49.74	
11 52 33 00-0069	EA		VGA M-M MD/50 Male to Male VGA Molded Connector Cables 50' (Extron Electronics #26-238-18).....	65.82	
11 52 33 00-0070	EA		VGA M-M MD/75 Male to Male VGA Molded Connector Cables 75' (Extron Electronics #26-238-19).....	87.76	
11 52 33 00-0071	EA		VGA M-M MD/100 Male to Male VGA Molded Connector Cables 100' (Extron Electronics #26-238-20).....	109.69	
11 52 33 00-0072	EA		VGA M-M BK/3 Male to Male VGA Backshell Connector Cables 3' (Extron Electronics #26-238-24).....	18.29	
11 52 33 00-0073	EA		VGA M-M BK/6 Male to Male VGA Backshell Connector Cables 6' (Extron Electronics #26-238-25).....	19.39	



<b>Equipment</b>	<b>11</b>	<b>11</b>
<b>Educational And Scientific Equipment</b>	<b>11 50</b>	
<b>Audio-Visual Equipment</b>	<b>11 52</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 33 00-0074 EA VGA M-M BK/10 Male to Male VGA Backshell Connector Cables 10' (Extron Electronics #26-238-26) .....	24.50	
11 52 33 00-0075 EA VGA M-M BK/15 Male to Male VGA Backshell Connector Cables 15' (Extron Electronics #26-238-27) .....	29.99	
11 52 33 00-0076 EA VGA M-M BK/25 Male to Male VGA Backshell Connector Cables 25' (Extron Electronics #26-238-28) .....	42.06	
11 52 33 00-0077 EA VGA M-M BK/35 Male to Male VGA Backshell Connector Cables 35' (Extron Electronics #26-238-16) .....	56.32	
11 52 33 00-0078 EA VGA M-M BK/50 Male to Male VGA Backshell Connector Cables 50' (Extron Electronics #26-238-04) .....	76.79	
11 52 33 00-0079 EA VGA M-M BK/75 Male to Male VGA Backshell Connector Cables 75' (Extron Electronics #26-238-05) .....	98.72	
11 52 33 00-0080 EA VGA M-M BK/100 Male to Male VGA Backshell Connector Cables 100' (Extron Electronics #26-238-06) .....	126.14	
11 52 33 00-0081 EA A Mini/2 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-01) .....	4.03	
11 52 33 00-0082 EA A Mini/9 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-03) .....	5.13	
11 52 33 00-0083 EA A Mini/12 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-06) .....	6.23	
11 52 33 00-0084 EA A Mini/25 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-07) .....	8.42	

**11 53 Laboratory Equipment** (11 50)

**11 53 13 Laboratory Fume Hoods** (11 53)

**11 53 13 11 General Laboratory Fume Hoods** (11 53 13)

**11 53 13 11-0001 Fume Hoods (Kewaunee Scientific)** (11 53 13 11)

**11 53 13 11-0002 General Purpose Bench Fume Hood With Vertical Rising Sash (Kewaunee Scientific H05)** (11 53 13 11-0001)

11 53 13 11-0003 EA 4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H05G5448-00) .....	5,562.86	
Note: Includes material and installation		
11 53 13 11-0004 EA 4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H05K5448-00) .....	5,914.77	
Note: Includes material and installation		
11 53 13 11-0005 EA 4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H05S5448-00) .....	7,590.19	
Note: Includes material and installation		
11 53 13 11-0006 EA 4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H05T5448-00) .....	5,244.83	
Note: Includes material and installation		
11 53 13 11-0007 EA 5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H05G5460-00) .....	6,008.76	
Note: Includes material and installation		
11 53 13 11-0008 EA 5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H05K5460-00) .....	6,360.68	
Note: Includes material and installation		
11 53 13 11-0009 EA 5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H05S5460-00) .....	8,049.21	
Note: Includes material and installation		
11 53 13 11-0010 EA 5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H05T5460-00) .....	5,585.81	
Note: Includes material and installation		
11 53 13 11-0011 EA 6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H05G5472-00) .....	5,789.09	
Note: Includes material and installation		
11 53 13 11-0012 EA 6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H05K5472-00) .....	6,829.53	
Note: Includes material and installation		
11 53 13 11-0013 EA 6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H05S5472-00) .....	8,442.65	
Note: Includes material and installation		
11 53 13 11-0014 EA 6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H05T5472-00) .....	6,124.61	
Note: Includes material and installation		
11 53 13 11-0015 EA 8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H05G5496-00) .....	7,884.18	
Note: Includes material and installation		
11 53 13 11-0016 EA 8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H05K5496-00) .....	9,273.26	
Note: Includes material and installation		
11 53 13 11-0017 EA 8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H05S5496-00) .....	10,911.51	
Note: Includes material and installation		
11 53 13 11-0018 EA 8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H05T5496-00) .....	7,267.78	
Note: Includes material and installation		
11 53 13 11-0019 EA 4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H05G5448B00) .....	5,649.20	
Note: Includes material and installation		
11 53 13 11-0020 EA 4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H05K5448B00) .....	6,002.21	
Note: Includes material and installation		
11 53 13 11-0021 EA 4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H05S5448B00) .....	7,679.81	
Note: Includes material and installation		
11 53 13 11-0022 EA 4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H05T5448B00) .....	5,335.54	
Note: Includes material and installation		

**11 Equipment****11 50 Educational And Scientific Equipment****11 53 Laboratory Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0023 EA 5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H05G5460B00) ..... Note: Includes material and installation	6,108.22	
11 53 13 11-0024 EA 5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H05K5460B00) ..... Note: Includes material and installation	6,462.32	
11 53 13 11-0025 EA 5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H05S5460B00) ..... Note: Includes material and installation	8,146.48	
11 53 13 11-0026 EA 5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H05T5460B00) ..... Note: Includes material and installation	5,684.17	
11 53 13 11-0027 EA 6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H05G5472B00) ..... Note: Includes material and installation	6,583.63	
11 53 13 11-0028 EA 6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H05K5472B00) ..... Note: Includes material and installation	6,933.36	
11 53 13 11-0029 EA 6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H05S5472B00) ..... Note: Includes material and installation	8,546.48	
11 53 13 11-0030 EA 6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H05T5472B00) ..... Note: Includes material and installation	6,231.72	
11 53 13 11-0031 EA 8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H05G5496B00) ..... Note: Includes material and installation	8,000.03	
11 53 13 11-0032 EA 8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H05K5496B00) ..... Note: Includes material and installation	9,380.36	
11 53 13 11-0033 EA 8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H05S5496B00) ..... Note: Includes material and installation	11,028.45	
11 53 13 11-0034 EA 8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H05T5496B00) ..... Note: Includes material and installation	7,383.63	
<b>11 53 13 11-0035 Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash (Kewaunee Scientific H07) <small>(11 53 13 11-0001)</small></b>		
11 53 13 11-0036 EA 4' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H07G5448B00) ..... Note: Includes material and installation	6,382.54	
11 53 13 11-0037 EA 4' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H07K5448B00) ..... Note: Includes material and installation	6,733.36	
11 53 13 11-0038 EA 4' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H07S5448B00) ..... Note: Includes material and installation	8,412.05	
11 53 13 11-0039 EA 4' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H07T5448B00) ..... Note: Includes material and installation	6,066.69	
11 53 13 11-0040 EA 5' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H07G5460B00) ..... Note: Includes material and installation	7,004.40	
11 53 13 11-0041 EA 5' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H07K5460B00) ..... Note: Includes material and installation	7,358.50	
11 53 13 11-0042 EA 5' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H07S5460B00) ..... Note: Includes material and installation	9,045.93	
11 53 13 11-0043 EA 5' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H07T5460B00) ..... Note: Includes material and installation	6,583.63	
11 53 13 11-0044 EA 6' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H07G5472B00) ..... Note: Includes material and installation	7,532.27	
11 53 13 11-0045 EA 6' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H07K5472B00) ..... Note: Includes material and installation	7,884.18	
11 53 13 11-0046 EA 6' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H07S5472B00) ..... Note: Includes material and installation	9,497.30	
11 53 13 11-0047 EA 6' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H07T5472B00) ..... Note: Includes material and installation	7,179.26	
11 53 13 11-0048 EA 8' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H07G5496B00) ..... Note: Includes material and installation	9,233.91	
11 53 13 11-0049 EA 8' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H07K5496B00) ..... Note: Includes material and installation	9,582.55	
11 53 13 11-0050 EA 8' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H07S5496B00) ..... Note: Includes material and installation	12,259.06	



<b>Equipment</b>	<b>11</b>	
<b>Educational And Scientific Equipment</b>	<b>11 50</b>	<b>11</b>
<b>Laboratory Equipment</b>	<b>11 53</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0051	EA		8' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H07T5496B00) ..... Note: Includes material and installation	8,620.80	
<b>11 53 13 11-0052</b>			<b>ADA Bench Fume Hood With Vertical Rising Sash (Kewaunee Scientific H08)</b> <small>(11 53 13 11-0001)</small>		
11 53 13 11-0053	EA		4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H08G5448-00) ..... Note: Includes material and installation	5,616.41	
11 53 13 11-0054	EA		4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H08K5448-00) ..... Note: Includes material and installation	5,974.88	
11 53 13 11-0055	EA		4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H08S5448-00) ..... Note: Includes material and installation	7,531.17	
11 53 13 11-0056	EA		4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H08T5448-00) ..... Note: Includes material and installation	5,297.29	
11 53 13 11-0057	EA		5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H08G5460-00) ..... Note: Includes material and installation	6,061.22	
11 53 13 11-0058	EA		5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H08K5460-00) ..... Note: Includes material and installation	6,366.14	
11 53 13 11-0059	EA		5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H08S5460-00) ..... Note: Includes material and installation	8,039.37	
11 53 13 11-0060	EA		5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H08T5460-00) ..... Note: Includes material and installation	5,639.36	
11 53 13 11-0061	EA		6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H08G5472-00) ..... Note: Includes material and installation	6,531.17	
11 53 13 11-0062	EA		6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H08K5472-00) ..... Note: Includes material and installation	6,986.91	
11 53 13 11-0063	EA		6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H08S5472-00) ..... Note: Includes material and installation	8,848.12	
11 53 13 11-0064	EA		6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H08T5472-00) ..... Note: Includes material and installation	6,178.16	
11 53 13 11-0065	EA		4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H08G5448B00) ..... Note: Includes material and installation	5,702.75	
11 53 13 11-0066	EA		4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H08K5448B00) ..... Note: Includes material and installation	6,077.62	
11 53 13 11-0067	EA		4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H08S5448B00) ..... Note: Includes material and installation	7,665.60	
11 53 13 11-0068	EA		4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H08T5448B00) ..... Note: Includes material and installation	5,388.00	
11 53 13 11-0069	EA		5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H08G5460B00) ..... Note: Includes material and installation	6,162.86	
11 53 13 11-0070	EA		5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H08K5460B00) ..... Note: Includes material and installation	6,476.53	
11 53 13 11-0071	EA		5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H08S5460B00) ..... Note: Includes material and installation	8,184.73	
11 53 13 11-0072	EA		5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H08T5460B00) ..... Note: Includes material and installation	5,735.54	
11 53 13 11-0073	EA		6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H08G5472B00) ..... Note: Includes material and installation	6,637.18	
11 53 13 11-0074	EA		6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H08K5472B00) ..... Note: Includes material and installation	7,108.22	
11 53 13 11-0075	EA		6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H08S5472B00) ..... Note: Includes material and installation	9,006.59	
11 53 13 11-0076	EA		6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H08T5472B00) ..... Note: Includes material and installation	6,284.18	
<b>11 53 13 11-0077</b>			<b>ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash (Kewaunee Scientific H09)</b> <small>(11 53 13 11-0001)</small>		

**11 Equipment****11 50 Educational And Scientific Equipment****11 53 Laboratory Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0078 EA 4' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H09G5448B00) ..... Note: Includes material and installation	7,654.67	
11 53 13 11-0079 EA 4' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H09K5448B00) ..... Note: Includes material and installation	8,322.43	
11 53 13 11-0080 EA 4' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H09S5448B00) ..... Note: Includes material and installation	10,582.55	
11 53 13 11-0081 EA 4' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H09T5448B00)..... Note: Includes material and installation	7,338.82	
11 53 13 11-0082 EA 5' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H09G5460B00) ..... Note: Includes material and installation	8,275.44	
11 53 13 11-0083 EA 5' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H09K5460B00) ..... Note: Includes material and installation	8,912.60	
11 53 13 11-0084 EA 5' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H09S5460B00) ..... Note: Includes material and installation	11,350.86	
11 53 13 11-0085 EA 5' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H09T5460B00)..... Note: Includes material and installation	7,853.58	
11 53 13 11-0086 EA 6' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H09G5472B00) ..... Note: Includes material and installation	8,803.31	
11 53 13 11-0087 EA 6' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H09K5472B00) ..... Note: Includes material and installation	9,601.13	
11 53 13 11-0088 EA 6' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H09S5472B00) ..... Note: Includes material and installation	12,247.04	
11 53 13 11-0089 EA 6' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H09T5472B00)..... Note: Includes material and installation	8,452.49	
<b>11 53 13 11-0090 Isotope Bench Fume Hood With Vertical Rising Sash (Kewaunee Scientific H20) <small>(11 53 13 11-0001)</small></b>		
11 53 13 11-0091 EA 4' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H20S5448-00) ..... Note: Includes material and installation	11,543.21	
11 53 13 11-0092 EA 5' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H20S5460-00) ..... Note: Includes material and installation	12,812.07	
11 53 13 11-0093 EA 6' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H20S5472-00) ..... Note: Includes material and installation	13,516.99	
11 53 13 11-0094 EA 8' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H20S5496-00) ..... Note: Includes material and installation	18,277.66	
11 53 13 11-0095 EA 4' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H20S5448B00)..... Note: Includes material and installation	11,640.48	
11 53 13 11-0096 EA 5' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H20S5460B00)..... Note: Includes material and installation	12,909.33	
11 53 13 11-0097 EA 6' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H20S5472B00)..... Note: Includes material and installation	13,620.81	
11 53 13 11-0098 EA 8' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H20S5496B00)..... Note: Includes material and installation	18,394.60	
<b>11 53 13 11-0099 Perchloric Acid Bench Fume Hood With Vertical Rising Sash (Kewaunee Scientific H25) <small>(11 53 13 11-0001)</small></b>		
11 53 13 11-0100 EA 4' Wide, Perchloric Acid Bench Fume Hood With Vertical Rising Sash, Type 316 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H25L5448-00) ..... Note: Includes material and installation	15,249.23	
11 53 13 11-0101 EA 5' Wide, Perchloric Acid Bench Fume Hood With Vertical Rising Sash, Type 316 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H25L5460-00) ..... Note: Includes material and installation	15,301.69	
11 53 13 11-0102 EA 6' Wide, Perchloric Acid Bench Fume Hood With Vertical Rising Sash, Type 316 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H25L5472-00) ..... Note: Includes material and installation	16,976.02	
<b>11 53 13 11-0103 HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash (Kewaunee Scientific HOPEC) <small>(11 53 13 11-0001)</small></b>		



<b>Equipment</b>	<b>11</b>	
<b>Educational And Scientific Equipment</b>	<b>11 50</b>	<b>11</b>
<b>Laboratory Equipment</b>	<b>11 53</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0104 EA 4' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific HOPG5448B00).....	7,911.50	
Note: Includes material and installation		
11 53 13 11-0105 EA 4' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPK5448B00).....	8,264.51	
Note: Includes material and installation		
11 53 13 11-0106 EA 4' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific HOPS5448B00).....	9,941.02	
Note: Includes material and installation		
11 53 13 11-0107 EA 4' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPT5448B00).....	7,593.47	
Note: Includes material and installation		
11 53 13 11-0108 EA 5' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific HOPG5460B00).....	8,624.07	
Note: Includes material and installation		
11 53 13 11-0109 EA 5' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPK5460B00).....	8,977.08	
Note: Includes material and installation		
11 53 13 11-0110 EA 5' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific HOPS5460B00).....	10,663.43	
Note: Includes material and installation		
11 53 13 11-0111 EA 5' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPT5460B00).....	8,202.21	
Note: Includes material and installation		
11 53 13 11-0112 EA 6' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific HOPG5472B00).....	9,213.15	
Note: Includes material and installation		
11 53 13 11-0113 EA 6' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPK5472B00).....	9,562.88	
Note: Includes material and installation		
11 53 13 11-0114 EA 6' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific HOPS5472B00).....	11,178.18	
Note: Includes material and installation		
11 53 13 11-0115 EA 6' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPT5472B00).....	8,859.05	
Note: Includes material and installation		
11 53 13 11-0116 EA 8' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific HOPG5496B00).....	12,000.04	
Note: Includes material and installation		
11 53 13 11-0117 EA 8' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPK5496B00).....	12,351.96	
Note: Includes material and installation		
11 53 13 11-0118 EA 8' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific HOPS5496B00).....	15,026.28	
Note: Includes material and installation		
11 53 13 11-0119 EA 8' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPT5496B00).....	11,384.74	
Note: Includes material and installation		
<b>11 53 13 11-0120 General Purpose Walk-In Fume Hood With Vertical Rising Sash (Kewaunee Scientific H30)</b> <small>(11 53 13 11-0001)</small>		
11 53 13 11-0121 EA 4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H30G9048-00).....	11,622.99	
Note: Includes material and installation		
11 53 13 11-0122 EA 4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H30K9048-00).....	11,970.53	
Note: Includes material and installation		
11 53 13 11-0123 EA 4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H30S9048-00).....	14,894.04	
Note: Includes material and installation		
11 53 13 11-0124 EA 4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H30T9048-00).....	10,919.16	
Note: Includes material and installation		
11 53 13 11-0125 EA 5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H30G9060-00).....	12,385.84	
Note: Includes material and installation		
11 53 13 11-0126 EA 5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H30K9060-00).....	12,737.75	
Note: Includes material and installation		
11 53 13 11-0127 EA 5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H30S9060-00).....	16,537.76	
Note: Includes material and installation		
11 53 13 11-0128 EA 5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H30T9060-00).....	11,581.46	
Note: Includes material and installation		
11 53 13 11-0129 EA 6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H30G9072-00).....	13,143.22	
Note: Includes material and installation		
11 53 13 11-0130 EA 6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H30K9072-00).....	13,491.85	
Note: Includes material and installation		
11 53 13 11-0131 EA 6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H30S9072-00).....	17,721.37	
Note: Includes material and installation		

**11 Equipment****11 50 Educational And Scientific Equipment****11 53 Laboratory Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0132	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H30T9072-00) ..... Note: Includes material and installation	12,824.09	
11 53 13 11-0133	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H30G9096-00)..... Note: Includes material and installation	16,778.20	
11 53 13 11-0134	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H30K9096-00) ..... Note: Includes material and installation	17,132.30	
11 53 13 11-0135	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H30S9096-00)..... Note: Includes material and installation	22,974.94	
11 53 13 11-0136	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H30T9096-00) ..... Note: Includes material and installation	15,946.50	
11 53 13 11-0137	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H30G9048B00)..... Note: Includes material and installation	11,712.61	
11 53 13 11-0138	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H30K9048B00) ..... Note: Includes material and installation	12,057.97	
11 53 13 11-0139	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H30S9048B00) ..... Note: Includes material and installation	14,983.66	
11 53 13 11-0140	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H30T9048B00) ..... Note: Includes material and installation	11,007.69	
11 53 13 11-0141	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H30G9060B00)..... Note: Includes material and installation	12,485.29	
11 53 13 11-0142	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H30K9060B00) ..... Note: Includes material and installation	12,836.11	
11 53 13 11-0143	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H30S9060B00) ..... Note: Includes material and installation	16,638.31	
11 53 13 11-0144	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H30T9060B00) ..... Note: Includes material and installation	11,682.01	
11 53 13 11-0145	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H30G9072B00)..... Note: Includes material and installation	13,248.13	
11 53 13 11-0146	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H30K9072B00) ..... Note: Includes material and installation	13,597.86	
11 53 13 11-0147	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H30S9072B00) ..... Note: Includes material and installation	17,827.38	
11 53 13 11-0148	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H30T9072B00) ..... Note: Includes material and installation	12,931.19	
11 53 13 11-0149	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H30G9096B00)..... Note: Includes material and installation	16,890.77	
11 53 13 11-0150	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H30K9096B00) ..... Note: Includes material and installation	17,245.96	
11 53 13 11-0151	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H30S9096B00) ..... Note: Includes material and installation	23,087.51	
11 53 13 11-0152	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H30T9096B00)..... Note: Includes material and installation	16,061.26	
11 53 13 11-0153		<b>Stand Alone, TruView® Teaching Hoods (Kewaunee Scientific T90)</b> <small>(11 53 13 11-0001)</small>		
11 53 13 11-0154	EA	4' Wide, Stand Alone, Single Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M3048-SA)..... Note: Includes material and installation	9,474.35	
11 53 13 11-0155	EA	5' Wide, Stand Alone, Single Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M3060-SA)..... Note: Includes material and installation	10,800.04	
11 53 13 11-0156	EA	6' Wide, Stand Alone, Single Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M3072-SA)..... Note: Includes material and installation	11,704.96	
11 53 13 11-0157	EA	4' Wide, Stand Alone, Double Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M6048-SA) ..... Note: Includes material and installation	16,722.46	
11 53 13 11-0158	EA	5' Wide, Stand Alone, Double Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M6060-SA) ..... Note: Includes material and installation	19,149.79	
11 53 13 11-0159	EA	6' Wide, Stand Alone, Double Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M6072-SA) ..... Note: Includes material and installation	20,371.66	



<b>Equipment</b>	<b>11</b>	
<b>Educational And Scientific Equipment</b>	<b>11 50</b>	<b>11</b>
<b>Laboratory Equipment</b>	<b>11 53</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>11 53 13 11-0160 Options For Fume Hoods (Kewaunee Scientific) <small>(11 53 13 11-0001)</small></b>		
11 53 13 11-0161 EA	Single Point Adjustable Baffles (Kewaunee Scientific Option C) ..... Note: Includes material and installation	252.46
11 53 13 11-0162 EA	Fire Extinguisher (Kewaunee Scientific Option E) ..... Note: Includes material and installation	1,092.90
11 53 13 11-0163 EA	Stainless Steel Lower Deflector Vane (Kewaunee Scientific Option O) ..... Note: Includes material and installation	181.42
11 53 13 11-0164 EA	4' Wide, Black Epoxy Resin Worksurface (Kewaunee Scientific 019243-48B) ..... Note: Includes material and installation	744.26
11 53 13 11-0165 EA	5' Wide, Black Epoxy Resin Worksurface (Kewaunee Scientific 019243-60B) ..... Note: Includes material and installation	869.95
11 53 13 11-0166 EA	6' Wide, Black Epoxy Resin Worksurface (Kewaunee Scientific 019243-72B) ..... Note: Includes material and installation	1,003.28
11 53 13 11-0167 EA	8' Wide, Black Epoxy Resin Worksurface (Kewaunee Scientific 019243-96B) ..... Note: Includes material and installation	1,298.37
11 53 13 11-0168 EA	4' Wide, Black Epoxy Resin Worksurface For ADA Fume Hood (Kewaunee Scientific 020126-48B) ..... Note: Includes material and installation	744.26
11 53 13 11-0169 EA	5' Wide, Black Epoxy Resin Worksurface For ADA Fume Hood (Kewaunee Scientific 020126-60B) ..... Note: Includes material and installation	869.95
11 53 13 11-0170 EA	6' Wide, Black Epoxy Resin Worksurface For ADA Fume Hood (Kewaunee Scientific 020126-72B) ..... Note: Includes material and installation	1,003.28
11 53 13 11-0171 EA	4' Wide, Black Epoxy Resin Worksurface For HOPEC Fume Hood (Kewaunee Scientific 020128-48B) ..... Note: Includes material and installation	744.26
11 53 13 11-0172 EA	5' Wide, Black Epoxy Resin Worksurface For HOPEC Fume Hood (Kewaunee Scientific 020128-60B) ..... Note: Includes material and installation	869.95
11 53 13 11-0173 EA	6' Wide, Black Epoxy Resin Worksurface For HOPEC Fume Hood (Kewaunee Scientific 020128-72B) ..... Note: Includes material and installation	1,003.28
11 53 13 11-0174 EA	8' Wide, Black Epoxy Resin Worksurface For HOPEC Fume Hood (Kewaunee Scientific 020128-96B) ..... Note: Includes material and installation	1,298.37
11 53 13 11-0175 EA	4' Wide, Black Epoxy Resin Worksurface For Walk-In Fume Hood (Kewaunee Scientific 019250-48B) ..... Note: Includes material and installation	777.05
11 53 13 11-0176 EA	5' Wide, Black Epoxy Resin Worksurface For Walk-In Fume Hood (Kewaunee Scientific 019250-60B) ..... Note: Includes material and installation	908.20
11 53 13 11-0177 EA	6' Wide, Black Epoxy Resin Worksurface For Walk-In Fume Hood (Kewaunee Scientific 019250-72B) ..... Note: Includes material and installation	1,050.28
11 53 13 11-0178 EA	8' Wide, Black Epoxy Resin Worksurface For Walk-In Fume Hood (Kewaunee Scientific 019250-96B) ..... Note: Includes material and installation	1,359.57
11 53 13 11-0179 EA	Black Poly Cupsink (Kewaunee Scientific 0491-BP) ..... Note: Includes material and installation	97.27
11 53 13 11-0180 EA	Stainless Steel Cupsink (Kewaunee Scientific 0950-0F) ..... Note: Includes material and installation	914.76
11 53 13 11-0181 EA	Air Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0860-3A-I) ..... Note: Includes material and installation	348.64
11 53 13 11-0182 EA	Gas Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0860-3G-I) ..... Note: Includes material and installation	348.64
11 53 13 11-0183 EA	Vacuum Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0860-3V-I) ..... Note: Includes material and installation	348.64
11 53 13 11-0184 EA	Steam Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0861-3S-I) ..... Note: Includes material and installation	389.07
11 53 13 11-0185 EA	Cold Water Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0861-3W-I) ..... Note: Includes material and installation	389.07
11 53 13 11-0186 EA	Distilled Water Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0861-3D-I) ..... Note: Includes material and installation	577.05
11 53 13 11-0187 EA	Cold Water Service Fitting, Gooseneck With Vacuum Breaker, 27-3/4" Long Handle (Kewaunee Scientific W-0864-3WV-I) ..... Note: Includes material and installation	590.17
11 53 13 11-0188 EA	Cold Water Service Fitting, Gooseneck With Vacuum Breaker, 12-1/2" Long Handle (Kewaunee Scientific W-0864-3WVA-I) ..... Note: Includes material and installation	605.47
11 53 13 11-0189 EA	Hot And Cold Water Service Fitting, Gooseneck With Vacuum Breaker, 27-3/4" Long Handle (Kewaunee Scientific W-0868-3WV-I) ..... Note: Includes material and installation	939.89
11 53 13 11-0190 EA	Hot And Cold Water Service Fitting, Gooseneck With Vacuum Breaker, 12-1/2" Long Handle (Kewaunee Scientific W-0868-3WVA-I) ..... Note: Includes material and installation	975.96
<b>11 53 13 11-0191 Base Cabinets For Fume Hoods (Kewaunee Scientific) <small>(11 53 13 11-0001)</small></b>		
11 53 13 11-0192 EA	24" Long x 35-3/4" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3724-0) ..... Note: Includes material and installation	684.16
11 53 13 11-0193 EA	30" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3730-0) ..... Note: Includes material and installation	833.88
11 53 13 11-0194 EA	36" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3736-0) ..... Note: Includes material and installation	877.60
11 53 13 11-0195 EA	48" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3748-0) ..... Note: Includes material and installation	906.01



**11 Equipment****11 50 Educational And Scientific Equipment****11 53 Laboratory Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0196	EA		60" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3760-0) ..... Note: Includes material and installation	989.07	
11 53 13 11-0197	EA		24" Long x 35-3/4" High x 22" Deep, Single Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3624-0) ..... Note: Includes material and installation	684.16	
11 53 13 11-0198	EA		30" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3630-0) ..... Note: Includes material and installation	833.88	
11 53 13 11-0199	EA		36" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3636-0) ..... Note: Includes material and installation	884.16	
11 53 13 11-0200	EA		48" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3648-0) ..... Note: Includes material and installation	906.01	
11 53 13 11-0201	EA		60" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3660-0) ..... Note: Includes material and installation	989.07	
11 53 13 11-0202	EA		15" Long x 30" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G00M3115-0) ..... Note: Includes material and installation	688.53	
11 53 13 11-0203	EA		18" Long x 30" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G00M3118-0) ..... Note: Includes material and installation	728.96	
11 53 13 11-0204	EA		21" Long x 30" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G00M3121-0) ..... Note: Includes material and installation	760.66	
11 53 13 11-0205	EA		24" Long x 30" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G00M3124-0) ..... Note: Includes material and installation	770.49	
11 53 13 11-0206	EA		24" Long x 35-3/4" High x 22" Deep, Single Door, Solvent Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G68M3724-01) ..... Note: Includes material and installation	1,665.58	
11 53 13 11-0207	EA		30" Long x 35-3/4" High x 22" Deep, Double Door, Solvent Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G68M3730-01) ..... Note: Includes material and installation	2,201.10	
11 53 13 11-0208	EA		36" Long x 35-3/4" High x 22" Deep, Double Door, Solvent Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G68M3736-01) ..... Note: Includes material and installation	2,300.55	
11 53 13 11-0209	EA		48" Long x 35-3/4" High x 22" Deep, Double Door, Solvent Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G68M3748-01) ..... Note: Includes material and installation	2,628.42	
11 53 13 11-0210	EA		24" Long x 35-3/4" High x 22" Deep, Single Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3724-0) ..... Note: Includes material and installation	1,316.94	
11 53 13 11-0211	EA		30" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3730-0) ..... Note: Includes material and installation	1,530.06	
11 53 13 11-0212	EA		36" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3736-0) ..... Note: Includes material and installation	1,556.29	
11 53 13 11-0213	EA		48" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3748-0) ..... Note: Includes material and installation	1,648.09	
11 53 13 11-0214	EA		60" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3760-0) ..... Note: Includes material and installation	1,805.47	
11 53 13 11-0215	EA		24" Long x 35-3/4" High x 22" Deep, Single Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3724-0) ..... Note: Includes material and installation	1,185.80	
11 53 13 11-0216	EA		30" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3730-0) ..... Note: Includes material and installation	1,342.08	
11 53 13 11-0217	EA		36" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3736-0) ..... Note: Includes material and installation	1,395.63	
11 53 13 11-0218	EA		48" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3748-0) ..... Note: Includes material and installation	1,484.16	
11 53 13 11-0219	EA		60" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3760-0) ..... Note: Includes material and installation	1,598.91	
11 53 13 11-0220			<b>Filters And Housing For Fume Hoods (Kewaunee Scientific)</b> <small>(11 53 13 11-0001)</small>		
11 53 13 11-0221	EA		Painted CRS Filter Housing (Kewaunee Scientific X-016869) ..... Note: Includes material and installation	1,079.79	
11 53 13 11-0222	EA		Stainless Steel Filter Housing (Kewaunee Scientific X-016868) ..... Note: Includes material and installation	12,600.04	
11 53 13 11-0223	EA		High Efficiency Filter (Kewaunee Scientific 0864-00) ..... Note: Includes material and installation	1,079.79	
11 53 13 11-0224	EA		Charcoal Absorber (Kewaunee Scientific 0855-00) ..... Note: Includes material and installation	12,600.04	
11 53 13 11-0225	EA		Prefilter (Kewaunee Scientific 0863-00) ..... Note: Includes material and installation	80.87	



<b>Equipment</b>	<b>11</b>	
<b>Educational And Scientific Equipment</b>	<b>11 50</b>	<b>11</b>
<b>Laboratory Equipment</b>	<b>11 53</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>11 53 13 11-0226</b> Centrifugal Fans For Fume Hoods (Kewaunee Scientific) <small>(11 53 13 11-0001)</small>		
11 53 13 11-0227 EA 1/4 HP, Single-Phase, 9" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-0902-T1) ..... Note: Includes material and installation	2,914.76	
11 53 13 11-0228 EA 1/3 HP, Single-Phase, 9" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-0903-T1) ..... Note: Includes material and installation	2,995.64	
11 53 13 11-0229 EA 1/2 HP, Single-Phase, 9" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-0905-T1) ..... Note: Includes material and installation	3,036.08	
11 53 13 11-0230 EA 3/4 HP, Single-Phase, 10" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-1008-T1) ..... Note: Includes material and installation	3,356.84	
11 53 13 11-0231 EA 1 HP, Single-Phase, 13" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-1310-T1) ..... Note: Includes material and installation	3,677.61	
11 53 13 11-0232 EA 1-1/2 HP, Single-Phase, 14-1/2" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-1415-T1) ..... Note: Includes material and installation	5,273.79	
11 53 13 11-0233 EA 2 HP, Single-Phase, 16-1/8" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-1620-T1) ..... Note: Includes material and installation	6,869.97	
<b>11 53 13 11-0234</b> Exhaust Stacks And Adapters For Fume Hoods (Kewaunee Scientific) <small>(11 53 13 11-0001)</small>		
11 53 13 11-0235 EA 6-9/16" Diameter x 99-1/8" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00) ..... Note: Includes material and installation	485.25	
11 53 13 11-0236 EA 8-1/16" Diameter x 97-7/8" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00) ..... Note: Includes material and installation	532.24	
11 53 13 11-0237 EA 9-11/16" Diameter x 92-1/2" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00) ..... Note: Includes material and installation	542.08	
11 53 13 11-0238 EA 10-13/16" Diameter x 91-1/4" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00) ..... Note: Includes material and installation	596.72	
11 53 13 11-0239 EA 11-11/16" Diameter x 90-3/4" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00) ..... Note: Includes material and installation	656.88	
11 53 13 11-0240 EA 6-9/16" Diameter x 10-13/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-0912-00) ..... Note: Includes material and installation	695.08	
11 53 13 11-0241 EA 8-1/16" Diameter x 11-13/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-1012-00) ..... Note: Includes material and installation	756.29	
11 53 13 11-0242 EA 9-11/16" Diameter x 13-5/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-1312-00) ..... Note: Includes material and installation	829.51	
11 53 13 11-0243 EA 10-13/16" Diameter x 14-11/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-1412-00) ..... Note: Includes material and installation	871.04	
11 53 13 11-0244 EA 11-11/16" Diameter x 16-15/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-1612-00) ..... Note: Includes material and installation	887.43	
11 53 13 11-0245 EA 11-15/16" Diameter x 9-1/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1209-00) ..... Note: Includes material and installation	538.80	
11 53 13 11-0246 EA 11-15/16" Diameter x 10-1/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1210-00) ..... Note: Includes material and installation	556.29	
11 53 13 11-0247 EA 11-15/16" Diameter x 13-5/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1213-00) ..... Note: Includes material and installation	567.22	
11 53 13 11-0248 EA 11-15/16" Diameter x 14-9/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1214-00) ..... Note: Includes material and installation	590.17	
11 53 13 11-0249 EA 11-15/16" Diameter x 16-3/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1216-00) ..... Note: Includes material and installation	639.35	
<b>11 53 13 11-0250</b> Biological Fume Hoods And Cabinets <small>(11 53 13 11)</small>		
Note: VWR scientific or approved equal. VWR model number listed for reference. Equipment set in place and final connections. Excludes piping, ductwork and electrical rough-ins. Other accepted manufactures include NuAire, Forma and Baker or equal.		
<b>11 53 13 11-0251</b> Purifier® Logic® Class II, Type A2 Biosafety Cabinets (VWR 9700) <small>(11 53 13 11-0250)</small>		
Note: Includes two HEPA filters, fluorescent lighting, UV lamp, 8" or 10" sash, LCD information center and service fixtures. Excludes base stand.		
11 53 13 11-0252 EA 3' Width, Purifier® Logic® Class II, Type A2 Biosafety Cabinet (VWR 9700).....	10,059.07	483.72
11 53 13 11-0253 EA 4' Width, Purifier® Logic® Class II, Type A2 Biosafety Cabinet (VWR 9700).....	11,226.67	483.72
11 53 13 11-0254 EA 5' Width, Purifier® Logic® Class II, Type A2 Biosafety Cabinet (VWR 9700).....	13,327.07	548.17
11 53 13 11-0255 EA 6' Width, Purifier® Logic® Class II, Type A2 Biosafety Cabinet (VWR 9700).....	14,099.35	548.17
<b>11 53 13 11-0256</b> Base Stands For Purifier® Logic® Biosafety Cabinets (VWR) <small>(11 53 13 11-0250)</small>		
Note: ADA compliant. Includes epoxy coating.		
11 53 13 11-0257 EA 3' Width, Base Stand For Purifier® Logic® Biosafety Cabinet (VWR) .....	850.43	70.95
11 53 13 11-0258 EA 4' Width, Base Stand For Purifier® Logic® Biosafety Cabinet (VWR) .....	926.78	90.31
11 53 13 11-0259 EA 5' Width, Base Stand For Purifier® Logic® Biosafety Cabinet (VWR) .....	982.41	109.66
11 53 13 11-0260 EA 6' Width, Base Stand For Purifier® Logic® Biosafety Cabinet (VWR) .....	1,086.47	129.01
<b>11 53 43</b> Service Fittings And Accessories <small>(11 53)</small>		
<b>11 53 43 00-0001</b> Laboratory Equipment Accessories <small>(11 53 43)</small>		
11 53 43 00-0002 EA 24" Wide Roll Paper Dispenser, Wall Mounted.....	93.36	13.75
11 53 43 00-0003 EA 36" Wide Roll Paper Dispenser, Wall Mounted.....	111.45	15.71
11 53 43 00-0004 EA 48" Wide Roll Paper Dispenser, Wall Mounted.....	143.36	17.66

11	<b>11</b>	<b>Equipment</b>
	<b>11 50</b>	<b>Educational And Scientific Equipment</b>
	<b>11 53</b>	<b>Laboratory Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 53 43 00-0005	Install Owner Furnished Material <small>(11 53 43)</small>		
11 53 43 00-0006	LF Install Owner Furnished Steel Base Cabinet .....	43.62	
11 53 43 00-0007	LF Install Owner Furnished Steel Wall Cabinet.....	52.38	
11 53 43 00-0008	LF Install Owner Furnished Wood Base Cabinet.....	36.94	
11 53 43 00-0009	LF Install Owner Furnished Wood Wall Cabinet.....	44.40	
11 53 43 00-0010	LF Install Owner Furnished Plastic Base Cabinet.....	30.53	
11 53 43 00-0011	LF Install Owner Furnished Plastic Wall Cabinet.....	36.59	

**11 60 Entertainment and Recreation Equipment (11)**

**11 61 Broadcast, Theater, and Stage Equipment (11 60)**

**11 61 23 Folding And Portable Stages (11 61)**

11 61 23 00-0001	Roll Out Stage, Steel Frame, Wood Floor <small>(11 61 23)</small>		
11 61 23 00-0002	SF Roll Out Stage, Manual With Steel Frame And Wood Floor .....	59.79	2.73
	<i>For Carpeted Deck, Add</i>	6.82	
	<i>For Polypropylene Deck, Add</i>	7.64	
11 61 23 00-0003	SF Roll Out Stage, Electric With Steel Frame And Wood Floor .....	84.50	4.07

**11 61 23 00-0004 Portable Stages, With Steps, Folding Legs, Stock Design (11 61 23)**

Note: A heavy-gauge steel frame supports the solid plywood deck. Supports 200 pounds per square foot and folds to less than two inches high for storage and transport.

11 61 23 00-0005	SF Portable Stage, 8" High Hardwood Deck With Steps And Folding Legs .....	20.08	0.98
	<i>For Carpeted Deck, Add</i>	2.27	
	<i>For Polypropylene Deck, Add</i>	2.54	
11 61 23 00-0006	SF Portable Stage, 16" High Hardwood Deck With Steps And Folding Legs .....	22.09	1.08
	<i>For Carpeted Deck, Add</i>	2.49	
	<i>For Polypropylene Deck, Add</i>	2.79	
11 61 23 00-0007	SF Portable Stage, 24" High Hardwood Deck With Steps And Folding Legs .....	22.87	1.17
	<i>For Carpeted Deck, Add</i>	2.57	
	<i>For Polypropylene Deck, Add</i>	2.88	
11 61 23 00-0008	SF Portable Stage, 32" High Hardwood Deck With Steps And Folding Legs .....	23.56	1.22
	<i>For Carpeted Deck, Add</i>	2.64	
	<i>For Polypropylene Deck, Add</i>	2.96	
11 61 23 00-0009	SF Portable Stage, 48" High Hardwood Deck With Steps And Folding Legs .....	25.28	1.30
	<i>For Carpeted Deck, Add</i>	2.84	
	<i>For Polypropylene Deck, Add</i>	3.18	

**11 61 23 00-0010 Telescoping Platforms, Aluminum (11 61 23)**

11 61 23 00-0011	SF Telescoping Platforms, Aluminum Straight, Minimum.....	63.71	2.33
11 61 23 00-0012	SF Telescoping Platforms, Aluminum Straight.....	74.86	2.33
11 61 23 00-0013	SF Telescoping Platforms, Aluminum Pie Shaped, Minimum.....	74.66	3.89
11 61 23 00-0014	SF Telescoping Platforms, Aluminum Pie Shaped.....	88.60	3.89

**11 61 23 00-0015 Band Risers, Steel Frame, Plywood Deck (11 61 23)**

11 61 23 00-0016	SF 8" High Band Risers, Steel Frame Wood Deck.....	28.55	0.98
	<i>For Carpeted Deck, Add</i>	3.33	
	<i>For Polypropylene Deck, Add</i>	3.72	
11 61 23 00-0017	SF 12" High Band Risers, Steel Frame Wood Deck.....	30.59	0.98
	<i>For Carpeted Deck, Add</i>	3.58	
	<i>For Polypropylene Deck, Add</i>	4.01	
11 61 23 00-0018	SF 16" High Band Risers, Steel Frame Wood Deck.....	32.17	0.98
	<i>For Carpeted Deck, Add</i>	3.78	
	<i>For Polypropylene Deck, Add</i>	4.23	
11 61 23 00-0019	SF 24" High Band Risers, Steel Frame Wood Deck.....	34.24	0.98
	<i>For Carpeted Deck, Add</i>	4.04	
	<i>For Polypropylene Deck, Add</i>	4.52	

**11 61 23 00-0020 Choral Risers, Steel Frame (11 61 23)**

**11 61 23 00-0021 Choral Risers, Steel Frame, Plywood Deck (11 61 23 00-0020)**

11 61 23 00-0022	EA 16" High, 8' Long, 2 Level Straight Choral Risers, Steel Frame Wood Deck .....	577.05	11.69
	<i>For Carpeted Deck, Add</i>	69.21	
	<i>For Polypropylene Deck, Add</i>	77.51	
11 61 23 00-0023	EA 24" High, 8' Long, 3 Level Straight Choral Risers, Steel Frame Wood Deck .....	879.01	15.59
	<i>For Carpeted Deck, Add</i>	105.98	
	<i>For Polypropylene Deck, Add</i>	118.70	
11 61 23 00-0024	EA 32" High, 8' Long, 4 Level Straight Choral Risers, Steel Frame Wood Deck .....	1,191.38	19.48
	<i>For Carpeted Deck, Add</i>	144.05	
	<i>For Polypropylene Deck, Add</i>	161.34	
11 61 23 00-0025	EA 16" High, 5'-6" Long, 2 Level Tapered Choral Risers, Steel Frame Wood Deck .....	439.34	11.69
	<i>For Carpeted Deck, Add</i>	52.00	
	<i>For Polypropylene Deck, Add</i>	58.23	
11 61 23 00-0026	EA 24" High, 6' Long, 3 Level Tapered Choral Risers, Steel Frame Wood Deck .....	680.76	15.59
	<i>For Carpeted Deck, Add</i>	81.20	
	<i>For Polypropylene Deck, Add</i>	90.94	



<b>Equipment</b>	<b>11</b>	
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>	<b>11</b>
<b>Broadcast, Theater, and Stage Equipment</b>	<b>11 61</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 61 23 00-0027 EA 32" High, 6'-6" Long, 4 Level Tapered Choral Risers, Steel Frame Wood Deck..... <i>For Carpeted Deck, Add</i> <i>For Polypropylene Deck, Add</i>	946.90 113.49 127.11	19.48
<b>11 61 23 00-0028 Chairs For Risers, Self Storing</b> <small>(11 61 23)</small>		
11 61 23 00-0029 EA Chairs For Risers, Self Storing .....	72.63	1.95
<b>11 61 33 Rigging Systems And Controls</b> <small>(11 61)</small>		
<b>11 61 33 19 Curtain Systems</b> <small>(11 61 33)</small>		
<b>11 61 33 19-0001 Stage Curtain Hardware</b> <small>(11 61 33 19)</small>		
<b>11 61 33 19-0002 Heavy Duty Stage Curtain Track And Accessories (ADC 280 Series)</b> <small>(11 61 33 19-0001)</small>		
11 61 33 19-0003 LF 280 Series CWANA (Comes With All Necessary Accessories) .....	47.54	3.88
Note: Excludes pipe backbone.		
11 61 33 19-0004 LF 14 Gauge Powder Coated Galvanized Steel Track Channel (ADC 2800) .....	22.29	1.95
11 61 33 19-0005 EA Single Carrier (ADC 2801) .....	14.80	0.97
11 61 33 19-0006 EA Master Carrier (ADC 2802) .....	49.97	2.46
11 61 33 19-0007 EA Live End Pulley (ADC 2803) .....	98.07	3.88
11 61 33 19-0008 EA Dead End Pulley (ADC 2804) .....	60.88	3.88
11 61 33 19-0009 EA Adjustable Floor Pulley (ADC 2805) .....	95.60	7.77
11 61 33 19-0010 EA Lap Clamp (ADC 2807) .....	16.05	1.95
11 61 33 19-0011 EA Hanging Clamp (ADC 2808) .....	17.97	4.86
11 61 33 19-0012 EA End Stop (SDC 2809) .....	11.82	1.95
11 61 33 19-0013 EA Pipe Clamp For 1-1/4" Inside Diameter, Schedule 40 Pipe Batten (ADC 2814) .....	21.32	4.86
11 61 33 19-0014 EA Pipe Clamp For 1-1/2" Inside Diameter, Schedule 40 Pipe Batten (ADC 2815) .....	21.78	4.86
11 61 33 19-0015 EA Suspended Splicing Clamp (ADC 2824) .....	98.05	7.32
11 61 33 19-0016 LF 3/8" Diameter #12 Cord (ADC 2828) .....	1.80	0.19
11 61 33 19-0017 EA Tension Floor Pulley (ADC 2865) .....	84.43	7.77
<b>11 61 33 19-0018 RIG-I-FLEX Curtain Track And Accessories (ADC 140/141 Series)</b> <small>(11 61 33 19-0001)</small>		
Note: Can be curved.		
11 61 33 19-0019 LF Aluminum 140 Series CWANA (Comes With All Necessary Accessories) .....	48.44	3.88
Note: Excludes pipe backbone.		
11 61 33 19-0020 LF 11 Gauge Aluminum Channel (ADC 1400) .....	14.63	1.95
11 61 33 19-0021 EA Master Carrier (ADC 1402) .....	97.64	2.46
11 61 33 19-0022 EA Live End Pulley (ADC 1403) .....	88.19	3.88
11 61 33 19-0023 EA Dead End Pulley (ADC 1404) .....	70.47	3.88
11 61 33 19-0024 EA Lap Clamp (ADC 1407) .....	24.12	1.95
11 61 33 19-0025 EA End Stop (ADC 1409) .....	20.22	1.95
11 61 33 19-0026 EA Ceiling Clamp (ADC 1423) .....	22.68	4.86
11 61 33 19-0027 EA Master Carrier (ADC 1438) .....	94.98	2.46
11 61 33 19-0028 EA Spindle A (ADC 1458) .....	51.03	1.95
Note: Not included with CWANA systems.		
11 61 33 19-0029 EA Spindle B (ADC 1459) .....	34.76	1.95
Note: Not included with CWANA systems.		
11 61 33 19-0030 EA Idler Bracket (ADC 1460) .....	29.22	1.95
Note: Not included with CWANA systems.		
11 61 33 19-0031 EA Overlap Idler Bracket (ADC 1460A) .....	58.83	1.95
Note: Not included with CWANA systems.		
11 61 33 19-0032 EA Single Carrier (ADC 4201) .....	17.34	0.97
11 61 33 19-0033 EA Hanging Clamp (ADC 4208) .....	12.79	4.86
11 61 33 19-0034 EA Splice Clamp (ADC 4224) .....	17.46	3.88
11 61 33 19-0035 EA Single Carrier (ADC 4237) .....	16.05	0.97
11 61 33 19-0036 EA Walk-Along Master Carrier For Curved Track (ADC 4252) .....	55.35	2.46
<b>11 61 33 19-0037 Stage Curtain Hardware And Accessories</b> <small>(11 61 33 19-0001)</small>		
<b>11 61 33 19-0038 Trim Chain</b> <small>(11 61 33 19-0037)</small>		
11 61 33 19-0039 EA 3-Link Trim Chain (ADC TC-1) .....	2.80	
11 61 33 19-0040 EA 5-Link Trim Chain (ADC TC-2) .....	2.86	
<b>11 61 33 19-0041 Pipe Batten Hanger Assembly</b> <small>(11 61 33 19-0037)</small>		
Note: 1/4" steel wire may be used in place of #8 cord.		
11 61 33 19-0042 EA 1" Inside Diameter Pipe Batten Hanger Assembly, Includes Pipe Clamp (ADC 1713), Beam Clamp, 8' x 1/4" Diameter #8 Cord, Wire Rope Clips, And 3/8" x 6" Eye And Jaw Turnbuckle .....	85.66	11.66
11 61 33 19-0043 EA 1-1/4" Inside Diameter Pipe Batten Hanger Assembly, Includes Pipe Clamp (ADC 1714), Beam Clamp, 8' x 1/4" Diameter #8 Cord, Wire Rope Clips, And 3/8" x 6" Eye And Jaw Turnbuckle .....	86.95	11.66
11 61 33 19-0044 EA 1-1/2" Inside Diameter Pipe Batten Hanger Assembly, Includes Pipe Clamp (ADC 1715), Beam Clamp, 8' x 1/4" Diameter #8 Cord, Wire Rope Clips, And 3/8" x 6" Eye And Jaw Turnbuckle .....	88.07	11.66
<b>11 61 33 19-0045 Pipe Battens And Attaching Hardware</b> <small>(11 61 33 19-0037)</small>		
11 61 33 19-0046 LF 1" Inside Diameter Schedule 40 Black Steel Pipe Batten .....	5.33	0.97
11 61 33 19-0047 LF 1-1/4" Inside Diameter Schedule 40 Black Steel Pipe Batten .....	6.27	1.17

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 61 Broadcast, Theater, and Stage Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 61 33 19-0048	LF		1-1/2" Inside Diameter Schedule 40 Black Steel Pipe Batten .....	7.22	1.36
			<i>For Schedule 80 Pipe, Add</i>	2.97	
11 61 33 19-0049	EA		Schedule 40 Inside Sleeve Splice And Attaching Hardware For 1" Inside Diameter Pipe Batten.....	31.40	3.88
11 61 33 19-0050	EA		Schedule 40 Inside Sleeve Splice And Attaching Hardware For 1-1/4" Inside Diameter Pipe Batten.....	37.51	4.01
11 61 33 19-0051	EA		Schedule 40 Inside Sleeve Splice And Attaching Hardware For 1-1/2" Inside Diameter Pipe Batten.....	37.70	4.08
			<i>For Schedule 80 Inner Sleeve, Add</i>	11.83	
<b>11 61 33 19-0052</b>			<b>Wood Grounds</b> <small>(11 61 33 19-0037)</small>		
			Note: Includes hardware and painting.		
11 61 33 19-0053	LF		1" x 3" Up To 1" x 6" Proscenium Valance, Border Tab Or Platform Track Wood Ground .....	6.55	0.51
11 61 33 19-0054	LF		1" x Required Width Kerfed, Vaulted Proscenium Valance Wood Ground.....	8.20	0.51
11 61 33 19-0055	LF		2" x 6" Movie Screen And Proscenium Valance Wood Ground .....	10.01	0.72
<b>11 61 33 19-0056</b>			<b>Rigging Component Parts, Repair And Maintenance</b> <small>(11 61 33 19)</small>		
<b>11 61 33 19-0057</b>			<b>Counterweight Lead Line Cable Assembly</b> <small>(11 61 33 19-0056)</small>		
			Note: 1/4" diameter 7 x 19 galvanized aircraft cable, copper nicopress fittings or double Crosby cable clips, 1/4" cable thimbles, shackle, and trim chain or 3/8" x 6" turnbuckles as required.		
11 61 33 19-0058	EA		Up To 22' High Steel, Counterweight Lead Line Cable Assembly .....	97.89	15.54
11 61 33 19-0059	EA		>22' To 35' High Steel, Counterweight Lead Line Cable Assembly .....	103.89	15.54
11 61 33 19-0060	EA		>35' To 50' High Steel, Counterweight Lead Line Cable Assembly .....	131.45	23.31
<b>11 61 33 19-0061</b>			<b>Pipe Batten Assembly</b> <small>(11 61 33 19-0056)</small>		
			Note: Assembled and painted black.		
11 61 33 19-0062	EA		Up To 21' Long Pipe Batten Assembly, 1-1/4" Or 1-1/2" Inside Diameter Pipe Batten .....	198.97	19.43
			<i>For Schedule 80, Add</i>	49.23	
11 61 33 19-0063	EA		>21' To 42' Long Pipe Batten Assembly, 1-1/4" Or 1-1/2" Inside Diameter Pipe Batten With Inner Sleeves .....	455.14	38.85
			<i>For Schedule 80, Add</i>	116.05	
11 61 33 19-0064	EA		>42' To 63' Long Pipe Batten Assembly, 1-1/4" Or 1-1/2" Inside Diameter Pipe Batten With Inner Sleeves .....	711.29	58.28
			<i>For Schedule 80, Add</i>	183.15	
<b>11 61 33 19-0065</b>			<b>Counterweight Arbor And Shoe</b> <small>(11 61 33 19-0056)</small>		
			Note: Sized to match existing.		
11 61 33 19-0066	EA		T Bar Type Single Purchase Counterweight Arbor .....	585.74	77.72
11 61 33 19-0067	EA		Wire Guided Type Single Purchase Counterweight Arbor .....	477.09	77.72
11 61 33 19-0068	EA		Lattice Type Single Purchase Counterweight Arbor.....	588.60	77.72
11 61 33 19-0069	EA		T Bar Type Double Purchase Counterweight Arbor.....	1,267.67	77.72
11 61 33 19-0070	EA		Lattice Type Double Purchase Counterweight Arbor .....	1,250.52	77.72
11 61 33 19-0071	PR		Top And Bottom Shoe, T-Bar Counterweight Arbor .....	90.32	19.43
<b>11 61 33 19-0072</b>			<b>Stop Rail</b> <small>(11 61 33 19-0056)</small>		
			Note: Mounting and anchoring as required.		
11 61 33 19-0073	EA		Up To 10' Length, Bottom Stop Rail, 2" x 2" Wood Rail, Steel Angle Iron.....	105.33	19.43
11 61 33 19-0074	EA		>10 To 20' Length, Bottom Stop Rail, 2" x 2" Wood Rail, Steel Angle Iron .....	210.67	38.85
11 61 33 19-0075	EA		>20 To 30' Length, Bottom Stop Rail, 2" x 2" Wood Rail, Steel Angle Iron .....	316.01	58.28
11 61 33 19-0076	EA		Up To 10' Length, Up To 22' High Steel, Top Stop Rail, 2" x 2" Wood Rail, Steel Angle Iron .....	105.33	19.43
11 61 33 19-0077	EA		Up To 10' Length, >22' To 35' High Steel, Top Stop Rail, 2" x 2" Wood Rail, Steel Angle Iron.....	105.33	19.43
11 61 33 19-0078	EA		Up To 10' Length, >35' To 50' High Steel, Top Stop Rail, 2" x 2" Wood Rail, Steel Angle Iron.....	124.76	29.14
11 61 33 19-0079	EA		>10' To 20' Length, Up To 22' High Steel, Top Stop Rail, 2" x 2" Wood Rail, Steel Angle Iron.....	210.67	38.85
11 61 33 19-0080	EA		>10' To 20' Length, >22' To 35' High Steel, Top Stop Rail, 2" x 2" Wood Rail, Steel Angle Iron .....	210.67	38.85
11 61 33 19-0081	EA		>10' To 20' Length, >35' To 50' High Steel, Top Stop Rail, 2" x 2" Wood Rail, Steel Angle Iron .....	191.23	29.14
11 61 33 19-0082	EA		>20' To 30' Length, Up To 22' High Steel, Top Stop Rail, 2" x 2" Wood Rail, Steel Angle Iron.....	316.01	58.28
11 61 33 19-0083	EA		>20' To 30' Length, >22' To 35' High Steel, Top Stop Rail, 2" x 2" Wood Rail, Steel Angle Iron .....	316.01	58.28
11 61 33 19-0084	EA		>20' To 30' Length, >25 To 50' High Steel, Top Stop Rail, 2" x 2" Wood Rail, Steel Angle Iron .....	374.29	87.43
<b>11 61 33 19-0085</b>			<b>Floor And Take-Up Block</b> <small>(11 61 33 19-0056)</small>		
11 61 33 19-0086	EA		12" Diameter, Adjustable Combination Floor Block/Rope Lock .....	815.40	19.43
11 61 33 19-0087	EA		10" Diameter, Adjustable Combination Floor Block/Rope Lock .....	546.63	19.43
11 61 33 19-0088	EA		12" Diameter, Welch Take-Up Block.....	500.89	19.43
11 61 33 19-0089	EA		10" Diameter, Welch Take-Up Block.....	320.75	19.43
11 61 33 19-0090	PR		Top And Bottom Shoe, Welch Take-Up Block .....	462.02	9.71
<b>11 61 33 19-0091</b>			<b>Operating Line</b> <small>(11 61 33 19-0056)</small>		
			Note: Counterbalance as required.		
<b>11 61 33 19-0092</b>			<b>5/8" Operating Line</b> <small>(11 61 33 19-0091)</small>		
11 61 33 19-0093	LF		Up To 22' High Steel, 5/8" Diameter, Multiline II Single Purchase Operating Line.....	2.71	0.45
			<i>For Black, Add</i>	0.19	
11 61 33 19-0094	LF		>22' To 35' High Steel, 5/8" Diameter, Multiline II Single Purchase Operating Line.....	2.32	0.32
			<i>For Black, Add</i>	0.19	
11 61 33 19-0095	LF		>35' To 50' High Steel, 5/8" Diameter, Multiline II Single Purchase Operating Line.....	1.93	0.26
			<i>For Black, Add</i>	0.19	
11 61 33 19-0096	LF		Up To 22' High Steel, 5/8" Diameter, Multiline II Double Purchase Operating Line .....	2.13	0.32
			<i>For Black, Add</i>	0.19	



<b>Equipment</b>	<b>11</b>
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>
<b>Broadcast, Theater, and Stage Equipment</b>	<b>11 61</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 61 33 19-0097 LF >22' To 35' High Steel, 5/8" Diameter, Multiline II Double Purchase Operating Line.....	1.93	0.26
For Black, Add	0.19	
11 61 33 19-0098 LF >35' To 50' High Steel, 5/8" Diameter, Multiline II Double Purchase Operating Line.....	1.74	0.19
For Black, Add	0.19	
11 61 33 19-0099 LF Up To 22' High Steel, 5/8" Diameter, Stage-Set X Single Purchase Operating Line.....	3.05	0.45
For Black, Add	0.26	
11 61 33 19-0100 LF >22' To 35' High Steel, 5/8" Diameter, Stage-Set X Single Purchase Operating Line.....	2.66	0.32
For Black, Add	0.26	
11 61 33 19-0101 LF >35' To 50' High Steel, 5/8" Diameter, Stage-Set X Single Purchase Operating Line.....	2.27	0.26
For Black, Add	0.26	
11 61 33 19-0102 LF Up To 22' High Steel, 5/8" Diameter, Stage-Set X Double Purchase Operating Line.....	2.47	0.32
For Black, Add	0.26	
11 61 33 19-0103 LF >22' To 35' High Steel, 5/8" Diameter, Stage-Set X Double Purchase Operating Line.....	2.27	0.26
For Black, Add	0.26	
11 61 33 19-0104 LF >35' To 50' High Steel, 5/8" Diameter, Stage-Set X Double Purchase Operating Line.....	2.08	0.19
For Black, Add	0.26	
<b>11 61 33 19-0105 3/4" Operating Line</b> <small>(11 61 33 19-0091)</small>		
11 61 33 19-0106 LF Up To 22' High Steel, 3/4" Diameter, Multiline II Single Purchase Operating Line.....	2.83	0.45
For Black, Add	0.22	
11 61 33 19-0107 LF >22' To 35' High Steel, 3/4" Diameter, Multiline II Single Purchase Operating Line.....	2.44	0.32
For Black, Add	0.22	
11 61 33 19-0108 LF >35' To 50' High Steel, 3/4" Diameter, Multiline II Single Purchase Operating Line.....	2.05	0.26
For Black, Add	0.22	
11 61 33 19-0109 LF Up To 22' High Steel, 3/4" Diameter, Multiline II Double Purchase Operating Line.....	2.25	0.32
For Black, Add	0.22	
11 61 33 19-0110 LF >22' To 35' High Steel, 3/4" Diameter, Multiline II Double Purchase Operating Line.....	2.05	0.26
For Black, Add	0.22	
11 61 33 19-0111 LF >35' To 50' High Steel, 3/4" Diameter, Multiline II Double Purchase Operating Line.....	1.86	0.19
For Black, Add	0.22	
11 61 33 19-0112 LF Up To 22' High Steel, 3/4" Diameter, Stage-Set X Single Purchase Operating Line.....	3.31	0.45
For Black, Add	0.31	
11 61 33 19-0113 LF >22' To 35' High Steel, 3/4" Diameter, Stage-Set X Single Purchase Operating Line.....	2.92	0.32
For Black, Add	0.31	
11 61 33 19-0114 LF >35' To 50' High Steel, 3/4" Diameter, Stage-Set X Single Purchase Operating Line.....	2.53	0.26
For Black, Add	0.31	
11 61 33 19-0115 LF Up To 22' High Steel, 3/4" Diameter, Stage-Set X Double Purchase Operating Line.....	2.73	0.32
For Black, Add	0.31	
11 61 33 19-0116 LF >22' To 35' High Steel, 3/4" Diameter, Stage-Set X Double Purchase Operating Line.....	2.53	0.26
For Black, Add	0.31	
11 61 33 19-0117 LF >35' To 50' High Steel, 3/4" Diameter, Stage-Set X Double Purchase Operating Line.....	2.34	0.19
For Black, Add	0.31	
<b>11 61 33 19-0118 1" Operating Line</b> <small>(11 61 33 19-0091)</small>		
11 61 33 19-0119 LF Up To 22' High Steel, 1" Diameter, Multiline II Single Purchase Operating Line.....	3.56	0.45
For Black, Add	0.36	
11 61 33 19-0120 LF >22' To 35' High Steel, 1" Diameter, Multiline II Single Purchase Operating Line.....	3.17	0.32
For Black, Add	0.36	
11 61 33 19-0121 LF >35' To 50' High Steel, 1" Diameter, Multiline II Single Purchase Operating Line.....	2.78	0.26
For Black, Add	0.36	
11 61 33 19-0122 LF Up To 22' High Steel, 1" Diameter, Multiline II Double Purchase Operating Line.....	2.98	0.32
For Black, Add	0.36	
11 61 33 19-0123 LF >22' To 35' High Steel, 1" Diameter, Multiline II Double Purchase Operating Line.....	2.78	0.26
For Black, Add	0.36	
11 61 33 19-0124 LF >35' To 50' High Steel, 1" Diameter, Multiline II Double Purchase Operating Line.....	2.59	0.19
For Black, Add	0.36	
11 61 33 19-0125 LF Up To 22' High Steel, 1" Diameter, Stage-Set X Single Purchase Operating Line.....	4.52	0.45
For Black, Add	0.55	
11 61 33 19-0126 LF >22' To 35' High Steel, 1" Diameter, Stage-Set X Single Purchase Operating Line.....	4.13	0.32
For Black, Add	0.55	
11 61 33 19-0127 LF >35' To 50' High Steel, 1" Diameter, Stage-Set X Single Purchase Operating Line.....	3.74	0.26
For Black, Add	0.55	
11 61 33 19-0128 LF Up To 22' High Steel, 1" Diameter, Stage-Set X Double Purchase Operating Line.....	3.94	0.32
For Black, Add	0.55	
11 61 33 19-0129 LF >22' To 35' High Steel, 1" Diameter, Stage-Set X Double Purchase Operating Line.....	3.74	0.26
For Black, Add	0.55	
11 61 33 19-0130 LF >35' To 50' High Steel, 1" Diameter, Stage-Set X Double Purchase Operating Line.....	3.55	0.19
For Black, Add	0.55	
<b>11 61 33 19-0131 Head Block</b> <small>(11 61 33 19-0056)</small>		
11 61 33 19-0132 EA Up To 22' High Steel, Upright, 6 Line, 12" Diameter, Head Block.....	850.10	58.28
For 8" Head Block Deduct	-22.75	
11 61 33 19-0133 EA >22' To 35' High Steel, Upright, 6 Line, 12" Diameter, Head Block.....	850.10	58.28
For 8" Head Block Deduct	-22.75	
11 61 33 19-0134 EA >35' To 50' High Steel, Upright, 6 Line, 12" Diameter, Head Block.....	966.67	87.43
For 8" Head Block Deduct	-22.75	
11 61 33 19-0135 EA Up To 22' High Steel, Underhung, 6 Line, 12" Diameter, Head Block.....	850.10	58.28
For 8" Head Block Deduct	-22.75	
11 61 33 19-0136 EA >22' To 35' High Steel, Underhung, 6 Line, 12" Diameter, Head Block.....	850.10	58.28
For 8" Head Block Deduct	-22.75	

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 61 Broadcast, Theater, and Stage Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 61 33 19-0137	EA		>35' To 50' High Steel, Underhung, 6 Line, 12" Diameter, Head Block .....	966.67	87.43
			<i>For 8" Head Block Deduct</i> .....	-22.75	
11 61 33 19-0138	EA		Up To 22' High Steel, Upright, 8 Line, 12" Diameter, Head Block .....	1,011.87	77.72
			<i>For 8" Head Block Deduct</i> .....	-13.65	
11 61 33 19-0139	EA		>22' To 35' High Steel, Upright, 8 Line, 12" Diameter, Head Block .....	1,011.87	77.72
			<i>For 8" Head Block Deduct</i> .....	-13.65	
11 61 33 19-0140	EA		>35' To 50' High Steel, Upright, 8 Line, 12" Diameter, Head Block .....	1,167.31	116.57
			<i>For 8" Head Block Deduct</i> .....	-13.65	
11 61 33 19-0141	EA		Up To 22' High Steel, Underhung, 8 Line, 12" Diameter, Head Block .....	1,011.87	77.72
			<i>For 8" Head Block Deduct</i> .....	-13.65	
11 61 33 19-0142	EA		>22' To 35' High Steel, Underhung, 8 Line, 12" Diameter, Head Block .....	1,011.87	77.72
			<i>For 8" Head Block Deduct</i> .....	-13.65	
11 61 33 19-0143	EA		>35' To 50' High Steel, Underhung, 8 Line, 12" Diameter, Head Block .....	1,167.31	116.57
			<i>For 8" Head Block Deduct</i> .....	-13.65	
<b>11 61 33 19-0144</b>			<b>Loft Block</b> <small>(11 61 33 19-0056)</small>		
11 61 33 19-0145	EA		Up To 22' High Steel, Upright, 1 Line, 8" Diameter, Loft Block .....	222.11	19.43
11 61 33 19-0146	EA		>22' To 35' High Steel, Upright, 1 Line, 8" Diameter, Loft Block .....	222.11	19.43
11 61 33 19-0147	EA		>35' To 50' High Steel, Upright, 1 Line, 8" Diameter, Loft Block .....	260.96	29.14
11 61 33 19-0148	EA		Up To 22' High Steel, Underhung, 1 Line, 8" Diameter, Loft Block .....	236.41	19.43
11 61 33 19-0149	EA		>22' To 35' High Steel, Underhung, 1 Line, 8" Diameter, Loft Block .....	236.41	19.43
11 61 33 19-0150	EA		>35' To 50' High Steel, Underhung, 1 Line, 8" Diameter, Loft Block .....	275.26	29.14
11 61 33 19-0151	EA		Up To 22' High Steel, Upright, 2 Line, 8" Diameter, Loft Block .....	230.69	19.43
11 61 33 19-0152	EA		>22' To 35' High Steel, Upright, 2 Line, 8" Diameter, Loft Block .....	230.69	19.43
11 61 33 19-0153	EA		>35' To 50' High Steel, Upright, 2 Line, 8" Diameter, Loft Block .....	269.54	29.14
11 61 33 19-0154	EA		Up To 22' High Steel, Underhung, 2 Line, 8" Diameter, Loft Block .....	244.98	19.43
11 61 33 19-0155	EA		>22' To 35' High Steel, Underhung, 2 Line, 8" Diameter, Loft Block .....	244.98	19.43
11 61 33 19-0156	EA		>35' To 50' High Steel, Underhung, 2 Line, 8" Diameter, Loft Block .....	283.83	29.14
<b>11 61 33 19-0157</b>			<b>Mule Block</b> <small>(11 61 33 19-0056)</small>		
11 61 33 19-0158	EA		Up To 22' High Steel, 2 Line, 8" Diameter, Mule Block .....	554.72	38.85
11 61 33 19-0159	EA		>22' To 35' High Steel, 2 Line, 8" Diameter, Mule Block .....	632.43	58.28
11 61 33 19-0160	EA		>35' To 50' High Steel, 2 Line, 8" Diameter, Mule Block .....	749.00	87.43
11 61 33 19-0161	EA		Up To 22' High Steel, 4 Line, 8" Diameter, Mule Block .....	742.02	58.28
11 61 33 19-0162	EA		>22' To 35' High Steel, 4 Line, 8" Diameter, Mule Block .....	819.73	77.72
11 61 33 19-0163	EA		>35' To 50' High Steel, 4 Line, 8" Diameter, Mule Block .....	1,091.73	145.71
<b>11 61 33 19-0164</b>			<b>T-Bar/Guide Wire Repair</b> <small>(11 61 33 19-0056)</small>		
			Note: Repair, straighten, lube, replace damaged T-Bar track sections and reanchor to the wall. Repair and reanchor locking rail. Replace damaged tracking, and wall anchors. On wire guided counterweight systems, replace damaged guide cables, turnbuckles, thimbles as required.		
11 61 33 19-0165	EA		Up To 22' High Steel, 1 Line Set, T Bar/Guide Wire Repair .....	102.74	
11 61 33 19-0166	EA		>22' To 35' High Steel, 1 Line Set, T Bar/Guide Wire Repair .....	154.11	
11 61 33 19-0167	EA		>35' To 50' High Steel, 1 Line Set, T Bar/Guide Wire Repair .....	283.18	
11 61 33 19-0168	EA		Up To 22' High Steel, >1 To 5 Line Sets, T Bar/Guide Wire Repair .....	358.24	
11 61 33 19-0169	EA		>22' To 35' High Steel, >1 To 5 Line Sets, T Bar/Guide Wire Repair .....	498.50	
11 61 33 19-0170	EA		>35' To 50' High Steel, >1 To 5 Line Sets, T Bar/Guide Wire Repair .....	833.03	
11 61 33 19-0171	EA		Up To 22' High Steel, >5 To 10 Line Sets, T Bar/Guide Wire Repair .....	561.03	
11 61 33 19-0172	EA		>22' To 35' High Steel, >5 To 10 Line Sets, T Bar/Guide Wire Repair .....	763.85	
11 61 33 19-0173	EA		>35' To 50' High Steel, >5 To 10 Line Sets, T Bar/Guide Wire Repair .....	1,199.79	
11 61 33 19-0174	EA		Up To 22' High Steel, >10 To 20 Line Sets, T Bar/Guide Wire Repair .....	1,044.36	
11 61 33 19-0175	EA		>22' To 35' High Steel, >10 To 20 Line Sets, T Bar/Guide Wire Repair .....	1,294.54	
11 61 33 19-0176	EA		>35' To 50' High Steel, >10 To 20 Line Sets, T Bar/Guide Wire Repair .....	1,933.29	
11 61 33 19-0177	EA		Up To 22' High Steel, >20 To 30 Line Sets, T Bar/Guide Wire Repair .....	1,372.26	
11 61 33 19-0178	EA		>22' To 35' High Steel, >20 To 30 Line Sets, T Bar/Guide Wire Repair .....	1,825.25	
11 61 33 19-0179	EA		>35' To 50' High Steel, >20 To 30 Line Sets, T Bar/Guide Wire Repair .....	2,666.81	
<b>11 61 33 19-0180</b>			<b>T Bar Track Section</b> <small>(11 61 33 19-0056)</small>		
			Note: Includes wall battens, wall knees and required hardware.		
11 61 33 19-0181	PR		Up To 22' High Steel, Steel, 20' Long, Pair Of T Bar Track Section .....	424.20	77.72
11 61 33 19-0182	PR		>22' To 35' High Steel, Steel, 20' Long, Pair Of T Bar Track Section .....	424.20	77.72
11 61 33 19-0183	PR		>35' To 50' High Steel, Steel, 20' Long, Pair Of T Bar Track Section .....	501.91	116.57
<b>11 61 33 19-0184</b>			<b>Rope Lock</b> <small>(11 61 33 19-0056)</small>		
11 61 33 19-0185	EA		Rope Lock (JR Clancy 010-533R) .....	189.59	23.31
11 61 33 19-0186	EA		Rope Lock With Key Lock (JR Clancy 010-533L) .....	256.78	23.31
<b>11 61 33 19-0187</b>			<b>Counterweight</b> <small>(11 61 33 19-0056)</small>		
11 61 33 19-0188	LB		Steel Slip Counterweight .....	1.06	0.06
			Note: Steel weights are provided in various thicknesses and weights.		
<b>11 61 33 19-0189</b>			<b>Counterweight Maintenance</b> <small>(11 61 33 19-0056)</small>		
			Note: Tighten operating lines, adjust rope locks, and resecure rope lines.		
11 61 33 19-0190	EA		1 Line Set, Counter Balance Counterweight Loads, Counterweight Maintenance .....	79.15	



<b>Equipment</b>	<b>11</b>	
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>	<b>11</b>
<b>Broadcast, Theater, and Stage Equipment</b>	<b>11 61</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 61 33 19-0191 EA >1 To 5 Line Sets, Counter Balance Counterweight Loads, Counterweight Maintenance.....	312.28	
11 61 33 19-0192 EA >5 To 10 Line Sets, Counter Balance Counterweight Loads, Counterweight Maintenance.....	390.00	
11 61 33 19-0193 EA >10 To 20 Line Sets, Counter Balance Counterweight Loads, Counterweight Maintenance.....	467.72	
11 61 33 19-0194 EA >20 To 30 Line Sets, Counter Balance Counterweight Loads, Counterweight Maintenance.....	623.14	
<b>11 61 33 19-0195 Fire Curtains</b> <small>(11 61 33 19-0056)</small>		
11 61 33 19-0196 EA Fire Curtain Refurbishment..... Note: Includes new trip line, fusible links and retrimming of the fire curtain clear of the proscenium opening. There will be no operation of fire curtain during refurbishment, due to potential hazards.	470.67	
11 61 33 19-0197 SF Thermotex Fire Curtain, Style 44-WFCC, 40 Oz/SY, Wire Reinforced .....	26.77	0.06
<b>11 61 33 19-0198 Hand Winch</b> <small>(11 61 33 19-0056)</small>		
11 61 33 19-0199 EA #2200 Hand Winch, Bolt-on, Attach To Existing Mounting Without Modification Of Mounting.....	2,132.12	38.85
11 61 33 19-0200 EA #2200 Hand Winch And Mount. Provide New Mount Or Modify The Existing Mount.....	2,773.94	77.72
11 61 33 19-0201 EA #3300 Hand Winch, Bolt-on. Attach To Existing Mounting Without Modification Of Mounting.....	3,823.15	38.85
11 61 33 19-0202 EA #3300 Hand Winch And Mount. Provide New Mount Or Modify The Existing Mount (Does Not Require Additional "Rigging Repairs Set-Up Charge" To Accomplish Task) .....	4,464.97	77.72
<b>11 61 33 19-0203 Dry Cleaning And Spray Application Of Flame Retardant</b> <small>(11 61 33 19-0056)</small>		
Note: Spray application of flame retardant to fabric. Includes one year warranty and certificate of flame resistance.		
11 61 33 19-0204 SF On-Site, Spray Application Of Flame Retardant To Fabric .....	0.77	
11 61 33 19-0205 EA Minimum Charge For On-Site, Spray Application Of Flame Retardant To Fabric.....	649.82	
11 61 33 19-0206 EA Pick Up And Return Curtains Or Drapes From School To Cleaner's Or Applicator's Facility.....	177.22	
11 61 33 19-0207 EA Minimum Charge For Spray Application Of Flame Retardant To Fabric At Applicator's Facility.....	236.30	
11 61 33 19-0208 SF Dry Cleaning Of Curtains Or Drapes At Cleaner's Facility.....	1.06	
<b>11 61 43 Stage Curtains</b> <small>(11 61)</small>		
<b>11 61 43 00-0001 Stage Curtain, Hard Masking And Hardware</b> <small>(11 61 43)</small>		
Note: All work shall conform to New York City Department of Education Standard Specification. All sizes are width x height unless otherwise noted, and are approximate. Select the closest size to the actual size required. If the actual size required is exactly between two sizes listed, select the larger of the two sizes.		
<b>11 61 43 00-0002 Stage Curtain</b> <small>(11 61 43 00-0001)</small>		
<b>11 61 43 00-0003 One Panel, Straight Top, Proscenium Valance, Stage Curtain</b> <small>(11 61 43 00-0002)</small>		
11 61 43 00-0004 EA One 30' x 3' Panel, Straight Top, Proscenium Valance, Stage Curtain..... <i>For Curved Proscenium Valance, Add</i>	1,296.26 407.44	36.46
11 61 43 00-0005 EA One 30' x 5' Panel, Straight Top, Proscenium Valance, Stage Curtain..... <i>For Curved Proscenium Valance, Add</i>	1,521.43 407.44	36.46
11 61 43 00-0006 EA One 30' x 7' Panel, Straight Top, Proscenium Valance, Stage Curtain..... <i>For Curved Proscenium Valance, Add</i>	1,814.13 407.44	36.46
11 61 43 00-0007 EA One 35' x 3' Panel, Straight Top, Proscenium Valance, Stage Curtain..... <i>For Curved Proscenium Valance, Add</i>	1,375.97 407.44	42.49
11 61 43 00-0008 EA One 35' x 5' Panel, Straight Top, Proscenium Valance, Stage Curtain..... <i>For Curved Proscenium Valance, Add</i>	1,766.26 407.44	42.49
11 61 43 00-0009 EA One 35' x 7' Panel, Straight Top, Proscenium Valance, Stage Curtain..... <i>For Curved Proscenium Valance, Add</i>	2,202.29 407.44	42.49
11 61 43 00-0010 EA One 40' x 3' Panel, Straight Top, Proscenium Valance, Stage Curtain..... <i>For Curved Proscenium Valance, Add</i>	1,572.73 407.44	48.57
11 61 43 00-0011 EA One 40' x 5' Panel, Straight Top, Proscenium Valance, Stage Curtain..... <i>For Curved Proscenium Valance, Add</i>	2,017.05 407.44	48.57
11 61 43 00-0012 EA One 40' x 7' Panel, Straight Top, Proscenium Valance, Stage Curtain..... <i>For Curved Proscenium Valance, Add</i>	2,462.87 407.44	48.57
11 61 43 00-0013 EA One 45' x 3' Panel, Straight Top, Proscenium Valance, Stage Curtain..... <i>For Curved Proscenium Valance, Add</i>	1,769.53 571.85	54.66
11 61 43 00-0014 EA One 45' x 5' Panel, Straight Top, Proscenium Valance, Stage Curtain..... <i>For Curved Proscenium Valance, Add</i>	2,269.41 571.85	54.66
11 61 43 00-0015 EA One 45' x 7' Panel, Straight Top, Proscenium Valance, Stage Curtain..... <i>For Curved Proscenium Valance, Add</i>	2,772.27 571.85	54.66
11 61 43 00-0016 EA One 50' x 3' Panel, Straight Top, Proscenium Valance, Stage Curtain..... <i>For Curved Proscenium Valance, Add</i>	1,966.27 571.85	60.74
11 61 43 00-0017 EA One 50' x 5' Panel, Straight Top, Proscenium Valance, Stage Curtain..... <i>For Curved Proscenium Valance, Add</i>	2,523.17 571.85	60.74
11 61 43 00-0018 EA One 50' x 7' Panel, Straight Top, Proscenium Valance, Stage Curtain..... <i>For Curved Proscenium Valance, Add</i>	3,080.08 571.85	60.74
11 61 43 00-0019 EA One 55' x 3' Panel, Straight Top, Proscenium Valance, Stage Curtain..... <i>For Curved Proscenium Valance, Add</i>	2,163.09 571.85	66.77
11 61 43 00-0020 EA One 55' x 5' Panel, Straight Top, Proscenium Valance, Stage Curtain..... <i>For Curved Proscenium Valance, Add</i>	2,775.53 571.85	66.77
11 61 43 00-0021 EA One 55' x 7' Panel, Straight Top, Proscenium Valance, Stage Curtain..... <i>For Curved Proscenium Valance, Add</i>	3,386.48 571.85	66.77
11 61 43 00-0022 EA One 55' x 10' Panel, Straight Top, Proscenium Valance, Stage Curtain..... <i>For Curved Proscenium Valance, Add</i>	3,697.05 571.85	66.77
<b>11 61 43 00-0023 One Panel, Masking Teaser, Stage Curtain</b> <small>(11 61 43 00-0002)</small>		
11 61 43 00-0024 EA One 30' x 5' Panel, Masking Teaser, Stage Curtain .....	1,521.43	36.46



**11 Equipment**  
**11 60 Entertainment and Recreation Equipment**  
**11 61 Broadcast, Theater, and Stage Equipment**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 61 43 00-0025	EA		One 30' x 8' Panel, Masking Teaser, Stage Curtain.....	1,964.24	36.46
11 61 43 00-0026	EA		One 30' x 10' Panel, Masking Teaser, Stage Curtain.....	2,241.95	36.46
11 61 43 00-0027	EA		One 35' x 5' Panel, Masking Teaser, Stage Curtain.....	1,766.26	42.49
11 61 43 00-0028	EA		One 35' x 8' Panel, Masking Teaser, Stage Curtain.....	2,209.08	42.49
11 61 43 00-0029	EA		One 35' x 10' Panel, Masking Teaser, Stage Curtain.....	2,531.82	42.49
11 61 43 00-0030	EA		One 40' x 5' Panel, Masking Teaser, Stage Curtain.....	2,119.12	48.57
11 61 43 00-0031	EA		One 40' x 8' Panel, Masking Teaser, Stage Curtain.....	2,823.13	48.57
11 61 43 00-0032	EA		One 40' x 10' Panel, Masking Teaser, Stage Curtain.....	3,232.94	48.57
11 61 43 00-0033	EA		One 40' x 12' Panel, Masking Teaser, Stage Curtain.....	3,600.70	48.57
11 61 43 00-0034	EA		One 45' x 5' Panel, Masking Teaser, Stage Curtain.....	2,384.98	54.66
11 61 43 00-0035	EA		One 45' x 8' Panel, Masking Teaser, Stage Curtain.....	3,174.56	54.66
11 61 43 00-0036	EA		One 45' x 10' Panel, Masking Teaser, Stage Curtain.....	3,638.40	54.66
11 61 43 00-0037	EA		One 45' x 12' Panel, Masking Teaser, Stage Curtain.....	4,049.71	54.66
11 61 43 00-0038	EA		One 50' x 5' Panel, Masking Teaser, Stage Curtain.....	2,649.26	60.74
11 61 43 00-0039	EA		One 50' x 8' Panel, Masking Teaser, Stage Curtain.....	3,527.41	60.74
11 61 43 00-0040	EA		One 50' x 10' Panel, Masking Teaser, Stage Curtain.....	4,042.29	60.74
11 61 43 00-0041	EA		One 50' x 12' Panel, Masking Teaser, Stage Curtain.....	4,500.12	60.74
11 61 43 00-0042	EA		One 55' x 5' Panel, Masking Teaser, Stage Curtain.....	2,915.13	66.77
11 61 43 00-0043	EA		One 55' x 8' Panel, Masking Teaser, Stage Curtain.....	3,881.84	66.77
11 61 43 00-0044	EA		One 55' x 10' Panel, Masking Teaser, Stage Curtain.....	4,447.75	66.77
11 61 43 00-0045	EA		One 55' x 12' Panel, Masking Teaser, Stage Curtain.....	4,950.62	66.77
<b>11 61 43 00-0046</b>			<b>Two Panels, Bi-Parting, Act Curtain, Stage Curtain (11 61 43 00-0002)</b>		
11 61 43 00-0047	PR		Two 17' x 12' Panels, Bi-Parting, Act Curtain, Stage Curtain.....	2,874.61	41.32
11 61 43 00-0048	PR		Two 17' x 14' Panels, Bi-Parting, Act Curtain, Stage Curtain.....	3,137.30	41.32
11 61 43 00-0049	PR		Two 17' x 17' Panels, Bi-Parting, Act Curtain, Stage Curtain.....	3,589.14	49.55
11 61 43 00-0050	PR		Two 17' x 20' Panels, Bi-Parting, Act Curtain, Stage Curtain.....	4,054.47	49.55
11 61 43 00-0051	PR		Two 20' x 14' Panels, Bi-Parting, Act Curtain, Stage Curtain.....	3,459.59	48.57
11 61 43 00-0052	PR		Two 20' x 17' Panels, Bi-Parting, Act Curtain, Stage Curtain.....	4,049.44	58.28
11 61 43 00-0053	PR		Two 20' x 20' Panels, Bi-Parting, Act Curtain, Stage Curtain.....	4,597.35	58.28
11 61 43 00-0054	PR		Two 25' x 14' Panels, Bi-Parting, Act Curtain, Stage Curtain.....	4,159.37	60.74
11 61 43 00-0055	PR		Two 25' x 17' Panels, Bi-Parting, Act Curtain, Stage Curtain.....	4,829.13	72.86
11 61 43 00-0056	PR		Two 25' x 20' Panels, Bi-Parting, Act Curtain, Stage Curtain.....	5,527.15	72.86
11 61 43 00-0057	PR		Two 30' x 17' Panels, Bi-Parting, Act Curtain, Stage Curtain.....	5,864.01	87.43
11 61 43 00-0058	PR		Two 30' x 20' Panels, Bi-Parting, Act Curtain, Stage Curtain.....	6,839.72	87.43
11 61 43 00-0059	PR		Two 30' x 24' Panels, Bi-Parting, Act Curtain, Stage Curtain.....	7,758.39	87.43
11 61 43 00-0060	PR		Two 35' x 17' Panels, Bi-Parting, Act Curtain, Stage Curtain.....	6,841.84	102.00
11 61 43 00-0061	PR		Two 35' x 20' Panels, Bi-Parting, Act Curtain, Stage Curtain.....	7,979.68	102.00
11 61 43 00-0062	PR		Two 35' x 24' Panels, Bi-Parting, Act Curtain, Stage Curtain.....	9,051.46	102.00
<b>11 61 43 00-0063</b>			<b>Two Panel, Bi-Parting, Olio Curtain, Stage Curtain (11 61 43 00-0002)</b>		
11 61 43 00-0064	PR		Two 17' x 14' Panels, Bi-Parting, Olio Curtain, Stage Curtain.....	2,446.80	41.32
			<i>For 14 Oz Fabric, Deduct</i>	-354.63	
11 61 43 00-0065	PR		Two 17' x 16' Panels, Bi-Parting, Olio Curtain, Stage Curtain.....	2,659.59	41.32
			<i>For 14 Oz Fabric, Deduct</i>	-386.55	
11 61 43 00-0066	PR		Two 17' x 20' Panels, Bi-Parting, Olio Curtain, Stage Curtain.....	3,068.39	49.55
			<i>For 14 Oz Fabric, Deduct</i>	-445.40	
11 61 43 00-0067	PR		Two 17' x 24' Panels, Bi-Parting, Olio Curtain, Stage Curtain.....	3,519.33	49.55
			<i>For 14 Oz Fabric, Deduct</i>	-513.04	
11 61 43 00-0068	PR		Two 20' x 14' Panels, Bi-Parting, Olio Curtain, Stage Curtain.....	2,721.43	48.57
			<i>For 14 Oz Fabric, Deduct</i>	-393.64	
11 61 43 00-0069	PR		Two 20' x 16' Panels, Bi-Parting, Olio Curtain, Stage Curtain.....	3,013.02	48.57
			<i>For 14 Oz Fabric, Deduct</i>	-437.38	
11 61 43 00-0070	PR		Two 20' x 20' Panels, Bi-Parting, Olio Curtain, Stage Curtain.....	3,546.22	58.28
			<i>For 14 Oz Fabric, Deduct</i>	-514.45	
11 61 43 00-0071	PR		Two 20' x 24' Panels, Bi-Parting, Olio Curtain, Stage Curtain.....	4,088.47	58.28
			<i>For 14 Oz Fabric, Deduct</i>	-595.79	
11 61 43 00-0072	PR		Two 25' x 14' Panels, Bi-Parting, Olio Curtain, Stage Curtain.....	3,265.84	60.74
			<i>For 14 Oz Fabric, Deduct</i>	-471.66	
11 61 43 00-0073	PR		Two 25' x 16' Panels, Bi-Parting, Olio Curtain, Stage Curtain.....	3,620.48	60.74
			<i>For 14 Oz Fabric, Deduct</i>	-524.86	
11 61 43 00-0074	PR		Two 25' x 20' Panels, Bi-Parting, Olio Curtain, Stage Curtain.....	4,361.64	72.86
			<i>For 14 Oz Fabric, Deduct</i>	-632.39	
11 61 43 00-0075	PR		Two 25' x 24' Panels, Bi-Parting, Olio Curtain, Stage Curtain.....	5,086.94	72.86
			<i>For 14 Oz Fabric, Deduct</i>	-741.18	
11 61 43 00-0076	PR		Two 30' x 17' Panels, Bi-Parting, Olio Curtain, Stage Curtain.....	4,724.68	87.43
			<i>For 14 Oz Fabric, Deduct</i>	-682.47	
11 61 43 00-0077	PR		Two 30' x 20' Panels, Bi-Parting, Olio Curtain, Stage Curtain.....	5,530.75	87.43
			<i>For 14 Oz Fabric, Deduct</i>	-803.39	
11 61 43 00-0078	PR		Two 30' x 24' Panels, Bi-Parting, Olio Curtain, Stage Curtain.....	6,631.07	87.43
			<i>For 14 Oz Fabric, Deduct</i>	-968.43	
<b>11 61 43 00-0079</b>			<b>Two Panel, Bi-Parting, Intermediate Curtain, Stage Curtain (11 61 43 00-0002)</b>		
11 61 43 00-0080	PR		Two 17' x 14' Panels, Bi-Parting, Intermediate Curtain, Stage Curtain.....	2,446.80	41.32
			<i>For 14 Oz Fabric, Deduct</i>	-354.63	
11 61 43 00-0081	PR		Two 17' x 16' Panels, Bi-Parting, Intermediate Curtain, Stage Curtain.....	2,659.59	41.32
			<i>For 14 Oz Fabric, Deduct</i>	-386.55	
11 61 43 00-0082	PR		Two 17' x 20' Panels, Bi-Parting, Intermediate Curtain, Stage Curtain.....	3,068.39	49.55
			<i>For 14 Oz Fabric, Deduct</i>	-445.40	



<b>Equipment</b>	<b>11</b>
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>
<b>Broadcast, Theater, and Stage Equipment</b>	<b>11 61</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 61 43 00-0083	PR		Two 17' x 24' Panels, Bi-Parting, Intermediate Curtain, Stage Curtain.....	3,519.33	49.55
			<i>For 14 Oz Fabric, Deduct</i>	-513.04	
11 61 43 00-0084	PR		Two 20' x 14' Panels, Bi-Parting, Intermediate Curtain, Stage Curtain.....	2,721.43	48.57
			<i>For 14 Oz Fabric, Deduct</i>	-393.64	
11 61 43 00-0085	PR		Two 20' x 16' Panels, Bi-Parting, Intermediate Curtain, Stage Curtain.....	3,013.02	48.57
			<i>For 14 Oz Fabric, Deduct</i>	-437.38	
11 61 43 00-0086	PR		Two 20' x 20' Panels, Bi-Parting, Intermediate Curtain, Stage Curtain.....	3,546.22	58.28
			<i>For 14 Oz Fabric, Deduct</i>	-514.45	
11 61 43 00-0087	PR		Two 20' x 24' Panels, Bi-Parting, Intermediate Curtain, Stage Curtain.....	4,088.47	58.28
			<i>For 14 Oz Fabric, Deduct</i>	-595.79	
11 61 43 00-0088	PR		Two 25' x 14' Panels, Bi-Parting, Intermediate Curtain, Stage Curtain.....	3,265.84	60.74
			<i>For 14 Oz Fabric, Deduct</i>	-471.66	
11 61 43 00-0089	PR		Two 25' x 16' Panels, Bi-Parting, Intermediate Curtain, Stage Curtain.....	3,620.48	60.74
			<i>For 14 Oz Fabric, Deduct</i>	-524.86	
11 61 43 00-0090	PR		Two 25' x 20' Panels, Bi-Parting, Intermediate Curtain, Stage Curtain.....	4,361.64	72.86
			<i>For 14 Oz Fabric, Deduct</i>	-632.39	
11 61 43 00-0091	PR		Two 25' x 24' Panels, Bi-Parting, Intermediate Curtain, Stage Curtain.....	5,086.94	72.86
			<i>For 14 Oz Fabric, Deduct</i>	-741.18	
11 61 43 00-0092	PR		Two 30' x 17' Panels, Bi-Parting, Intermediate Curtain, Stage Curtain.....	4,724.68	87.43
			<i>For 14 Oz Fabric, Deduct</i>	-682.47	
11 61 43 00-0093	PR		Two 30' x 20' Panels, Bi-Parting, Intermediate Curtain, Stage Curtain.....	5,530.75	87.43
			<i>For 14 Oz Fabric, Deduct</i>	-803.39	
11 61 43 00-0094	PR		Two 30' x 24' Panels, Bi-Parting, Intermediate Curtain, Stage Curtain.....	6,631.07	87.43
			<i>For 14 Oz Fabric, Deduct</i>	-968.43	
<b>11 61 43 00-0095 Two Panel, Bi-Parting, Rear Cyclorama Curtain, Stage Curtain (11 61 43 00-0002)</b>					
11 61 43 00-0096	PR		Two 17' x 14' Panels, Bi-Parting, Rear Cyclorama Curtain, Stage Curtain.....	2,446.80	41.32
			<i>For 14 Oz Fabric, Deduct</i>	-354.63	
11 61 43 00-0097	PR		Two 17' x 16' Panels, Bi-Parting, Rear Cyclorama Curtain, Stage Curtain.....	2,659.59	41.32
			<i>For 14 Oz Fabric, Deduct</i>	-386.55	
11 61 43 00-0098	PR		Two 17' x 20' Panels, Bi-Parting, Rear Cyclorama Curtain, Stage Curtain.....	3,068.39	49.55
			<i>For 14 Oz Fabric, Deduct</i>	-445.40	
11 61 43 00-0099	PR		Two 17' x 24' Panels, Bi-Parting, Rear Cyclorama Curtain, Stage Curtain.....	3,519.33	49.55
			<i>For 14 Oz Fabric, Deduct</i>	-513.04	
11 61 43 00-0100	PR		Two 20' x 14' Panels, Bi-Parting, Rear Cyclorama Curtain, Stage Curtain.....	2,721.43	48.57
			<i>For 14 Oz Fabric, Deduct</i>	-393.64	
11 61 43 00-0101	PR		Two 20' x 16' Panels, Bi-Parting, Rear Cyclorama Curtain, Stage Curtain.....	3,013.02	48.57
			<i>For 14 Oz Fabric, Deduct</i>	-437.38	
11 61 43 00-0102	PR		Two 20' x 20' Panels, Bi-Parting, Rear Cyclorama Curtain, Stage Curtain.....	3,546.22	58.28
			<i>For 14 Oz Fabric, Deduct</i>	-514.45	
11 61 43 00-0103	PR		Two 20' x 24' Panels, Bi-Parting, Rear Cyclorama Curtain, Stage Curtain.....	4,088.47	58.28
			<i>For 14 Oz Fabric, Deduct</i>	-595.79	
11 61 43 00-0104	PR		Two 25' x 14' Panels, Bi-Parting, Rear Cyclorama Curtain, Stage Curtain.....	3,265.84	60.74
			<i>For 14 Oz Fabric, Deduct</i>	-471.66	
11 61 43 00-0105	PR		Two 25' x 16' Panels, Bi-Parting, Rear Cyclorama Curtain, Stage Curtain.....	3,620.48	60.74
			<i>For 14 Oz Fabric, Deduct</i>	-524.86	
11 61 43 00-0106	PR		Two 25' x 20' Panels, Bi-Parting, Rear Cyclorama Curtain, Stage Curtain.....	4,361.64	72.86
			<i>For 14 Oz Fabric, Deduct</i>	-632.39	
11 61 43 00-0107	PR		Two 25' x 24' Panels, Bi-Parting, Rear Cyclorama Curtain, Stage Curtain.....	5,086.94	72.86
			<i>For 14 Oz Fabric, Deduct</i>	-741.18	
11 61 43 00-0108	PR		Two 30' x 17' Panels, Bi-Parting, Rear Cyclorama Curtain, Stage Curtain.....	4,724.68	87.43
			<i>For 14 Oz Fabric, Deduct</i>	-682.47	
11 61 43 00-0109	PR		Two 30' x 20' Panels, Bi-Parting, Rear Cyclorama Curtain, Stage Curtain.....	5,530.75	87.43
			<i>For 14 Oz Fabric, Deduct</i>	-803.39	
11 61 43 00-0110	PR		Two 30' x 24' Panels, Bi-Parting, Rear Cyclorama Curtain, Stage Curtain.....	6,631.07	87.43
			<i>For 14 Oz Fabric, Deduct</i>	-968.43	
<b>11 61 43 00-0111 Four Panel, Bi-Parting, Side Cyclorama Curtain, Stage Curtain (11 61 43 00-0002)</b>					
11 61 43 00-0112	2PR		Four 5' x 15' Panels, Bi-Parting, Side Cyclorama Curtain, Stage Curtain.....	2,097.57	24.29
			<i>For 14 Oz Fabric, Deduct</i>	-307.35	
11 61 43 00-0113	2PR		Four 5' x 18' Panels, Bi-Parting, Side Cyclorama Curtain, Stage Curtain.....	2,304.30	29.14
			<i>For 14 Oz Fabric, Deduct</i>	-336.90	
11 61 43 00-0114	2PR		Four 5' x 21' Panels, Bi-Parting, Side Cyclorama Curtain, Stage Curtain.....	2,504.35	29.14
			<i>For 14 Oz Fabric, Deduct</i>	-366.91	
11 61 43 00-0115	2PR		Four 5' x 24' Panels, Bi-Parting, Side Cyclorama Curtain, Stage Curtain.....	2,713.08	29.14
			<i>For 14 Oz Fabric, Deduct</i>	-398.22	
11 61 43 00-0116	2PR		Four 5' x 28' Panels, Bi-Parting, Side Cyclorama Curtain, Stage Curtain.....	3,236.10	29.14
			<i>For 14 Oz Fabric, Deduct</i>	-476.67	
11 61 43 00-0117	2PR		Four 7' x 15' Panels, Bi-Parting, Side Cyclorama Curtain, Stage Curtain.....	2,652.89	34.00
			<i>For 14 Oz Fabric, Deduct</i>	-387.73	
11 61 43 00-0118	2PR		Four 7' x 18' Panels, Bi-Parting, Side Cyclorama Curtain, Stage Curtain.....	2,871.39	40.80
			<i>For 14 Oz Fabric, Deduct</i>	-418.47	
11 61 43 00-0119	2PR		Four 7' x 21' Panels, Bi-Parting, Side Cyclorama Curtain, Stage Curtain.....	3,099.52	40.80
			<i>For 14 Oz Fabric, Deduct</i>	-452.69	
11 61 43 00-0120	2PR		Four 7' x 24' Panels, Bi-Parting, Side Cyclorama Curtain, Stage Curtain.....	3,454.57	40.80
			<i>For 14 Oz Fabric, Deduct</i>	-505.95	
11 61 43 00-0121	2PR		Four 7' x 28' Panels, Bi-Parting, Side Cyclorama Curtain, Stage Curtain.....	3,961.94	40.80
			<i>For 14 Oz Fabric, Deduct</i>	-582.05	
11 61 43 00-0122	2PR		Four 10' x 15' Panels, Bi-Parting, Side Cyclorama Curtain, Stage Curtain.....	3,154.87	48.57
			<i>For 14 Oz Fabric, Deduct</i>	-458.66	
11 61 43 00-0123	2PR		Four 10' x 18' Panels, Bi-Parting, Side Cyclorama Curtain, Stage Curtain.....	3,458.01	58.28
			<i>For 14 Oz Fabric, Deduct</i>	-501.22	

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 61 Broadcast, Theater, and Stage Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 61 43 00-0124	2PR		Four 10' x 21' Panels, Bi-Parting, Side Cyclorama Curtain, Stage Curtain .....	3,852.15	58.28
			<i>For 14 Oz Fabric, Deduct</i> .....	-560.34	
11 61 43 00-0125	2PR		Four 10' x 24' Panels, Bi-Parting, Side Cyclorama Curtain, Stage Curtain .....	4,214.57	58.28
			<i>For 14 Oz Fabric, Deduct</i> .....	-614.70	
11 61 43 00-0126	2PR		Four 10' x 28' Panels, Bi-Parting, Side Cyclorama Curtain, Stage Curtain .....	5,173.77	58.28
			<i>For 14 Oz Fabric, Deduct</i> .....	-758.58	
<b>11 61 43 00-0127</b>			<b>Two Panel, 1-Way Draw, Side Cyclorama Curtain, Stage Curtain</b> <small>(11 61 43 00-0002)</small>		
11 61 43 00-0128	PR		Two 9' x 15' Panels, 1-Way Draw, Side Cyclorama Curtain, Stage Curtain .....	1,572.59	21.89
			<i>For 14 Oz Fabric, Deduct</i> .....	-229.33	
11 61 43 00-0129	PR		Two 9' x 18' Panels, 1-Way Draw, Side Cyclorama Curtain, Stage Curtain .....	1,723.18	26.23
			<i>For 14 Oz Fabric, Deduct</i> .....	-250.61	
11 61 43 00-0130	PR		Two 9' x 21' Panels, 1-Way Draw, Side Cyclorama Curtain, Stage Curtain .....	1,900.95	26.23
			<i>For 14 Oz Fabric, Deduct</i> .....	-277.27	
11 61 43 00-0131	PR		Two 9' x 24' Panels, 1-Way Draw, Side Cyclorama Curtain, Stage Curtain .....	2,101.46	26.23
			<i>For 14 Oz Fabric, Deduct</i> .....	-307.35	
11 61 43 00-0132	PR		Two 9' x 28' Panels, 1-Way Draw, Side Cyclorama Curtain, Stage Curtain .....	2,343.13	26.23
			<i>For 14 Oz Fabric, Deduct</i> .....	-343.60	
11 61 43 00-0133	PR		Two 13' x 15' Panels, 1-Way Draw, Side Cyclorama Curtain, Stage Curtain .....	2,190.95	31.60
			<i>For 14 Oz Fabric, Deduct</i> .....	-319.17	
11 61 43 00-0134	PR		Two 13' x 18' Panels, 1-Way Draw, Side Cyclorama Curtain, Stage Curtain .....	2,479.39	37.89
			<i>For 14 Oz Fabric, Deduct</i> .....	-360.54	
11 61 43 00-0135	PR		Two 13' x 21' Panels, 1-Way Draw, Side Cyclorama Curtain, Stage Curtain .....	2,793.47	37.89
			<i>For 14 Oz Fabric, Deduct</i> .....	-407.66	
11 61 43 00-0136	PR		Two 13' x 24' Panels, 1-Way Draw, Side Cyclorama Curtain, Stage Curtain .....	3,107.98	37.89
			<i>For 14 Oz Fabric, Deduct</i> .....	-454.83	
11 61 43 00-0137	PR		Two 13' x 28' Panels, 1-Way Draw, Side Cyclorama Curtain, Stage Curtain .....	3,501.13	37.89
			<i>For 14 Oz Fabric, Deduct</i> .....	-513.80	
11 61 43 00-0138	PR		Two 19' x 15' Panels, 1-Way Draw, Side Cyclorama Curtain, Stage Curtain .....	2,716.57	46.18
			<i>For 14 Oz Fabric, Deduct</i> .....	-393.64	
11 61 43 00-0139	PR		Two 19' x 18' Panels, 1-Way Draw, Side Cyclorama Curtain, Stage Curtain .....	3,066.03	55.38
			<i>For 14 Oz Fabric, Deduct</i> .....	-443.29	
11 61 43 00-0140	PR		Two 19' x 21' Panels, 1-Way Draw, Side Cyclorama Curtain, Stage Curtain .....	3,434.59	55.38
			<i>For 14 Oz Fabric, Deduct</i> .....	-498.58	
11 61 43 00-0141	PR		Two 19' x 24' Panels, 1-Way Draw, Side Cyclorama Curtain, Stage Curtain .....	3,794.86	55.38
			<i>For 14 Oz Fabric, Deduct</i> .....	-552.62	
11 61 43 00-0142	PR		Two 19' x 28' Panels, 1-Way Draw, Side Cyclorama Curtain, Stage Curtain .....	4,395.30	55.38
			<i>For 14 Oz Fabric, Deduct</i> .....	-642.68	
<b>11 61 43 00-0143</b>			<b>One Panel, Cyclorama Curtain, Stage Curtain</b> <small>(11 61 43 00-0002)</small>		
11 61 43 00-0144	EA		One 28' x 16' Panel, Cyclorama Curtain, Stage Curtain .....	1,973.52	34.00
			<i>For 14 Oz Fabric, Deduct</i> .....	-285.83	
11 61 43 00-0145	EA		One 28' x 18' Panel, Cyclorama Curtain, Stage Curtain .....	2,118.13	40.80
			<i>For 14 Oz Fabric, Deduct</i> .....	-305.48	
11 61 43 00-0146	EA		One 28' x 20' Panel, Cyclorama Curtain, Stage Curtain .....	2,231.27	40.80
			<i>For 14 Oz Fabric, Deduct</i> .....	-322.45	
11 61 43 00-0147	EA		One 32' x 16' Panel, Cyclorama Curtain, Stage Curtain .....	2,146.57	38.85
			<i>For 14 Oz Fabric, Deduct</i> .....	-310.33	
11 61 43 00-0148	EA		One 32' x 18' Panel, Cyclorama Curtain, Stage Curtain .....	2,304.34	46.63
			<i>For 14 Oz Fabric, Deduct</i> .....	-331.66	
11 61 43 00-0149	EA		One 32' x 20' Panel, Cyclorama Curtain, Stage Curtain .....	2,427.18	46.63
			<i>For 14 Oz Fabric, Deduct</i> .....	-350.09	
11 61 43 00-0150	EA		One 36' x 16' Panel, Cyclorama Curtain, Stage Curtain .....	2,298.51	43.72
			<i>For 14 Oz Fabric, Deduct</i> .....	-331.66	
11 61 43 00-0151	EA		One 36' x 18' Panel, Cyclorama Curtain, Stage Curtain .....	2,468.00	52.46
			<i>For 14 Oz Fabric, Deduct</i> .....	-354.46	
11 61 43 00-0152	EA		One 36' x 20' Panel, Cyclorama Curtain, Stage Curtain .....	2,599.29	52.46
			<i>For 14 Oz Fabric, Deduct</i> .....	-374.16	
11 61 43 00-0153	EA		One 44' x 16' Panel, Cyclorama Curtain, Stage Curtain .....	2,674.18	53.43
			<i>For 14 Oz Fabric, Deduct</i> .....	-385.10	
11 61 43 00-0154	EA		One 44' x 18' Panel, Cyclorama Curtain, Stage Curtain .....	2,872.05	64.11
			<i>For 14 Oz Fabric, Deduct</i> .....	-411.57	
11 61 43 00-0155	EA		One 44' x 20' Panel, Cyclorama Curtain, Stage Curtain .....	3,024.49	64.11
			<i>For 14 Oz Fabric, Deduct</i> .....	-434.44	
11 61 43 00-0156	EA		One 50' x 16' Panel, Cyclorama Curtain, Stage Curtain .....	2,892.96	60.74
			<i>For 14 Oz Fabric, Deduct</i> .....	-415.73	
11 61 43 00-0157	EA		One 50' x 18' Panel, Cyclorama Curtain, Stage Curtain .....	3,107.79	72.86
			<i>For 14 Oz Fabric, Deduct</i> .....	-444.31	
11 61 43 00-0158	EA		One 50' x 20' Panel, Cyclorama Curtain, Stage Curtain .....	3,272.35	72.86
			<i>For 14 Oz Fabric, Deduct</i> .....	-469.00	
<b>11 61 43 00-0159</b>			<b>One Panel, Border Tab, Stage Curtain</b> <small>(11 61 43 00-0002)</small>		
11 61 43 00-0160	EA		25' x 3' Border Tab, Stage Curtain .....	1,014.30	30.37
			<i>For 14 Oz Fabric, Deduct</i> .....	-143.03	
11 61 43 00-0161	EA		25' x 6' Border Tab, Stage Curtain .....	1,234.97	30.37
			<i>For 14 Oz Fabric, Deduct</i> .....	-176.13	
11 61 43 00-0162	EA		25' x 9' Border Tab, Stage Curtain .....	1,484.64	30.37
			<i>For 14 Oz Fabric, Deduct</i> .....	-213.59	
11 61 43 00-0163	EA		28' x 3' Border Tab, Stage Curtain .....	1,100.38	34.00
			<i>For 14 Oz Fabric, Deduct</i> .....	-154.86	



<b>Equipment</b>	<b>11</b>
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>
<b>Broadcast, Theater, and Stage Equipment</b>	<b>11 61</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 61 43 00-0164	EA		28' x 6' Border Tab, Stage Curtain.....	1,344.68	34.00
			<i>For 14 Oz Fabric, Deduct</i>	-191.50	
11 61 43 00-0165	EA		28' x 9' Border Tab, Stage Curtain.....	1,630.57	34.00
			<i>For 14 Oz Fabric, Deduct</i>	-234.39	
11 61 43 00-0166	EA		30' x 3' Border Tab, Stage Curtain.....	1,176.17	36.46
			<i>For 14 Oz Fabric, Deduct</i>	-165.50	
11 61 43 00-0167	EA		30' x 6' Border Tab, Stage Curtain.....	1,444.12	36.46
			<i>For 14 Oz Fabric, Deduct</i>	-205.69	
11 61 43 00-0168	EA		30' x 9' Border Tab, Stage Curtain.....	1,751.23	36.46
			<i>For 14 Oz Fabric, Deduct</i>	-251.76	
11 61 43 00-0169	EA		33' x 3' Border Tab, Stage Curtain.....	1,246.53	40.08
			<i>For 14 Oz Fabric, Deduct</i>	-174.95	
11 61 43 00-0170	EA		33' x 6' Border Tab, Stage Curtain.....	1,553.88	40.08
			<i>For 14 Oz Fabric, Deduct</i>	-221.06	
11 61 43 00-0171	EA		33' x 9' Border Tab, Stage Curtain.....	1,888.64	40.08
			<i>For 14 Oz Fabric, Deduct</i>	-271.27	
11 61 43 00-0172	EA		35' x 3' Border Tab, Stage Curtain.....	1,353.83	42.49
			<i>For 14 Oz Fabric, Deduct</i>	-190.32	
11 61 43 00-0173	EA		35' x 6' Border Tab, Stage Curtain.....	1,661.19	42.49
			<i>For 14 Oz Fabric, Deduct</i>	-236.42	
11 61 43 00-0174	EA		35' x 9' Border Tab, Stage Curtain.....	2,017.87	42.49
			<i>For 14 Oz Fabric, Deduct</i>	-289.93	
11 61 43 00-0175	EA		40' x 3' Border Tab, Stage Curtain.....	1,550.95	48.57
			<i>For 14 Oz Fabric, Deduct</i>	-218.07	
11 61 43 00-0176	EA		40' x 6' Border Tab, Stage Curtain.....	1,902.97	48.57
			<i>For 14 Oz Fabric, Deduct</i>	-270.87	
11 61 43 00-0177	EA		40' x 8' Border Tab, Stage Curtain.....	2,483.51	48.57
			<i>For 14 Oz Fabric, Deduct</i>	-357.96	
11 61 43 00-0178	EA		40' x 10' Border Tab, Stage Curtain.....	3,080.58	48.57
			<i>For 14 Oz Fabric, Deduct</i>	-447.52	
11 61 43 00-0179	EA		45' x 3' Border Tab, Stage Curtain.....	1,744.78	54.66
			<i>For 14 Oz Fabric, Deduct</i>	-245.32	
11 61 43 00-0180	EA		45' x 6' Border Tab, Stage Curtain.....	2,140.67	54.66
			<i>For 14 Oz Fabric, Deduct</i>	-304.70	
11 61 43 00-0181	EA		45' x 8' Border Tab, Stage Curtain.....	2,794.03	54.66
			<i>For 14 Oz Fabric, Deduct</i>	-402.71	
11 61 43 00-0182	EA		45' x 10' Border Tab, Stage Curtain.....	3,465.39	54.66
			<i>For 14 Oz Fabric, Deduct</i>	-503.41	
11 61 43 00-0183	EA		50' x 3' Border Tab, Stage Curtain.....	1,938.50	60.74
			<i>For 14 Oz Fabric, Deduct</i>	-272.56	
11 61 43 00-0184	EA		50' x 6' Border Tab, Stage Curtain.....	2,379.07	60.74
			<i>For 14 Oz Fabric, Deduct</i>	-338.65	
11 61 43 00-0185	EA		50' x 8' Border Tab, Stage Curtain.....	3,104.86	60.74
			<i>For 14 Oz Fabric, Deduct</i>	-447.52	
11 61 43 00-0186	EA		50' x 10' Border Tab, Stage Curtain.....	3,850.52	60.74
			<i>For 14 Oz Fabric, Deduct</i>	-559.37	
11 61 43 00-0187	EA		55' x 3' Border Tab, Stage Curtain.....	2,132.32	66.77
			<i>For 14 Oz Fabric, Deduct</i>	-299.81	
11 61 43 00-0188	EA		55' x 6' Border Tab, Stage Curtain.....	2,616.42	66.77
			<i>For 14 Oz Fabric, Deduct</i>	-372.42	
11 61 43 00-0189	EA		55' x 8' Border Tab, Stage Curtain.....	3,414.99	66.77
			<i>For 14 Oz Fabric, Deduct</i>	-492.21	
11 61 43 00-0190	EA		55' x 10' Border Tab, Stage Curtain.....	4,235.34	66.77
			<i>For 14 Oz Fabric, Deduct</i>	-615.26	
<b>11 61 43 00-0191</b>			<b>Four Panel, Bi-Parting, Tormentor Curtain, Stage Curtain</b> <small>(11 61 43 00-0002)</small>		
11 61 43 00-0192	2PR		Four 3' x 15' Panels, Bi-Parting, Tormentor Curtain, Stage Curtain.....	1,904.77	14.58
			<i>For 14 Oz Fabric, Deduct</i>	-281.34	
11 61 43 00-0193	2PR		Four 3' x 18' Panels, Bi-Parting, Tormentor Curtain, Stage Curtain.....	2,083.97	17.49
			<i>For 14 Oz Fabric, Deduct</i>	-307.35	
11 61 43 00-0194	2PR		Four 3' x 21' Panels, Bi-Parting, Tormentor Curtain, Stage Curtain.....	2,262.31	17.49
			<i>For 14 Oz Fabric, Deduct</i>	-334.10	
11 61 43 00-0195	2PR		Four 3' x 24' Panels, Bi-Parting, Tormentor Curtain, Stage Curtain.....	2,441.01	17.49
			<i>For 14 Oz Fabric, Deduct</i>	-360.91	
11 61 43 00-0196	2PR		Four 3' x 28' Panels, Bi-Parting, Tormentor Curtain, Stage Curtain.....	2,669.75	17.49
			<i>For 14 Oz Fabric, Deduct</i>	-395.22	
11 61 43 00-0197	2PR		Four 5' x 15' Panels, Bi-Parting, Tormentor Curtain, Stage Curtain.....	2,097.57	24.29
			<i>For 14 Oz Fabric, Deduct</i>	-307.35	
11 61 43 00-0198	2PR		Four 5' x 18' Panels, Bi-Parting, Tormentor Curtain, Stage Curtain.....	2,304.30	29.14
			<i>For 14 Oz Fabric, Deduct</i>	-336.90	
11 61 43 00-0199	2PR		Four 5' x 21' Panels, Bi-Parting, Tormentor Curtain, Stage Curtain.....	2,511.50	29.14
			<i>For 14 Oz Fabric, Deduct</i>	-367.98	
11 61 43 00-0200	2PR		Four 5' x 24' Panels, Bi-Parting, Tormentor Curtain, Stage Curtain.....	2,718.79	29.14
			<i>For 14 Oz Fabric, Deduct</i>	-399.08	
11 61 43 00-0201	2PR		Four 5' x 28' Panels, Bi-Parting, Tormentor Curtain, Stage Curtain.....	2,990.42	29.14
			<i>For 14 Oz Fabric, Deduct</i>	-439.82	
11 61 43 00-0202	2PR		Four 7' x 15' Panels, Bi-Parting, Tormentor Curtain, Stage Curtain.....	2,652.89	34.00
			<i>For 14 Oz Fabric, Deduct</i>	-387.73	
11 61 43 00-0203	2PR		Four 7' x 18' Panels, Bi-Parting, Tormentor Curtain, Stage Curtain.....	2,871.39	40.80
			<i>For 14 Oz Fabric, Deduct</i>	-418.47	
11 61 43 00-0204	2PR		Four 7' x 21' Panels, Bi-Parting, Tormentor Curtain, Stage Curtain.....	3,171.00	40.80
			<i>For 14 Oz Fabric, Deduct</i>	-463.41	

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 61 Broadcast, Theater, and Stage Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 61 43 00-0205	2PR		Four 7' x 24' Panels, Bi-Parting, Tormentor Curtain, Stage Curtain.....	3,454.57	40.80
			<i>For 14 Oz Fabric, Deduct</i>	-505.95	
11 61 43 00-0206	2PR		Four 7' x 28' Panels, Bi-Parting, Tormentor Curtain, Stage Curtain.....	3,715.76	40.80
			<i>For 14 Oz Fabric, Deduct</i>	-545.12	
<b>11 61 43 00-0207</b>			<b>Two Panel, 1-Way Draw, Tormentor Curtain, Stage Curtain</b> <small>(11 61 43 00-0002)</small>		
11 61 43 00-0208	PR		Two 4' x 15' Panels, 1-Way Draw, Tormentor Curtain, Stage Curtain.....	1,024.17	11.66
			<i>For 14 Oz Fabric, Deduct</i>	-150.13	
11 61 43 00-0209	PR		Two 4' x 18' Panels, 1-Way Draw, Tormentor Curtain, Stage Curtain.....	1,118.74	11.66
			<i>For 14 Oz Fabric, Deduct</i>	-164.31	
11 61 43 00-0210	PR		Two 6' x 21' Panels, 1-Way Draw, Tormentor Curtain, Stage Curtain.....	1,225.62	11.66
			<i>For 14 Oz Fabric, Deduct</i>	-180.35	
11 61 43 00-0211	PR		Two 4' x 24' Panels, 1-Way Draw, Tormentor Curtain, Stage Curtain.....	1,332.84	11.66
			<i>For 14 Oz Fabric, Deduct</i>	-196.43	
11 61 43 00-0212	PR		Two 4' x 28' Panels, 1-Way Draw, Tormentor Curtain, Stage Curtain.....	1,475.80	11.66
			<i>For 14 Oz Fabric, Deduct</i>	-217.87	
11 61 43 00-0213	PR		Two 6' x 15' Panels, 1-Way Draw, Tormentor Curtain, Stage Curtain.....	1,266.42	14.58
			<i>For 14 Oz Fabric, Deduct</i>	-185.59	
11 61 43 00-0214	PR		Two 6' x 18' Panels, 1-Way Draw, Tormentor Curtain, Stage Curtain.....	1,406.23	17.49
			<i>For 14 Oz Fabric, Deduct</i>	-205.69	
11 61 43 00-0215	PR		Two 6' x 21' Panels, 1-Way Draw, Tormentor Curtain, Stage Curtain.....	1,541.78	17.49
			<i>For 14 Oz Fabric, Deduct</i>	-226.02	
11 61 43 00-0216	PR		Two 6' x 24' Panels, 1-Way Draw, Tormentor Curtain, Stage Curtain.....	1,677.60	17.49
			<i>For 14 Oz Fabric, Deduct</i>	-246.39	
11 61 43 00-0217	PR		Two 6' x 28' Panels, 1-Way Draw, Tormentor Curtain, Stage Curtain.....	1,856.30	17.49
			<i>For 14 Oz Fabric, Deduct</i>	-273.20	
11 61 43 00-0218	PR		Two 8' x 15' Panels, 1-Way Draw, Tormentor Curtain, Stage Curtain.....	1,567.72	19.43
			<i>For 14 Oz Fabric, Deduct</i>	-229.33	
11 61 43 00-0219	PR		Two 8' x 18' Panels, 1-Way Draw, Tormentor Curtain, Stage Curtain.....	1,849.37	23.31
			<i>For 14 Oz Fabric, Deduct</i>	-270.41	
11 61 43 00-0220	PR		Two 8' x 21' Panels, 1-Way Draw, Tormentor Curtain, Stage Curtain.....	2,013.78	23.31
			<i>For 14 Oz Fabric, Deduct</i>	-295.07	
11 61 43 00-0221	PR		Two 8' x 24' Panels, 1-Way Draw, Tormentor Curtain, Stage Curtain.....	2,178.19	23.31
			<i>For 14 Oz Fabric, Deduct</i>	-319.73	
11 61 43 00-0222	PR		Two 8' x 28' Panels, 1-Way Draw, Tormentor Curtain, Stage Curtain.....	2,392.63	23.31
			<i>For 14 Oz Fabric, Deduct</i>	-351.90	
<b>11 61 43 00-0223</b>			<b>Two Panel, Side Leg Curtain, Stage Curtain</b> <small>(11 61 43 00-0002)</small>		
11 61 43 00-0224	PR		Two 3' x 15' Panels, Side Leg Curtain, Stage Curtain.....	952.40	7.32
			<i>For 14 Oz Fabric, Deduct</i>	-140.67	
11 61 43 00-0225	PR		Two 3' x 18' Panels, Side Leg Curtain, Stage Curtain.....	1,041.99	8.75
			<i>For 14 Oz Fabric, Deduct</i>	-153.68	
11 61 43 00-0226	PR		Two 3' x 21' Panels, Side Leg Curtain, Stage Curtain.....	1,141.17	8.75
			<i>For 14 Oz Fabric, Deduct</i>	-168.55	
11 61 43 00-0227	PR		Two 3' x 24' Panels, Side Leg Curtain, Stage Curtain.....	1,241.24	8.75
			<i>For 14 Oz Fabric, Deduct</i>	-183.56	
11 61 43 00-0228	PR		Two 3' x 28' Panels, Side Leg Curtain, Stage Curtain.....	1,384.20	8.75
			<i>For 14 Oz Fabric, Deduct</i>	-205.01	
11 61 43 00-0229	PR		Two 5' x 15' Panels, Side Leg Curtain, Stage Curtain.....	1,048.79	12.17
			<i>For 14 Oz Fabric, Deduct</i>	-153.68	
11 61 43 00-0230	PR		Two 5' x 18' Panels, Side Leg Curtain, Stage Curtain.....	1,156.09	14.58
			<i>For 14 Oz Fabric, Deduct</i>	-169.04	
11 61 43 00-0231	PR		Two 5' x 21' Panels, Side Leg Curtain, Stage Curtain.....	1,262.90	14.58
			<i>For 14 Oz Fabric, Deduct</i>	-185.06	
11 61 43 00-0232	PR		Two 5' x 24' Panels, Side Leg Curtain, Stage Curtain.....	1,370.12	14.58
			<i>For 14 Oz Fabric, Deduct</i>	-201.15	
11 61 43 00-0233	PR		Two 5' x 28' Panels, Side Leg Curtain, Stage Curtain.....	1,513.08	14.58
			<i>For 14 Oz Fabric, Deduct</i>	-222.59	
11 61 43 00-0234	PR		Two 7' x 15' Panels, Side Leg Curtain, Stage Curtain.....	1,326.45	17.04
			<i>For 14 Oz Fabric, Deduct</i>	-193.87	
11 61 43 00-0235	PR		Two 7' x 18' Panels, Side Leg Curtain, Stage Curtain.....	1,435.69	20.40
			<i>For 14 Oz Fabric, Deduct</i>	-209.23	
11 61 43 00-0236	PR		Two 7' x 21' Panels, Side Leg Curtain, Stage Curtain.....	1,556.19	20.40
			<i>For 14 Oz Fabric, Deduct</i>	-227.31	
11 61 43 00-0237	PR		Two 7' x 24' Panels, Side Leg Curtain, Stage Curtain.....	1,677.71	20.40
			<i>For 14 Oz Fabric, Deduct</i>	-245.54	
11 61 43 00-0238	PR		Two 7' x 28' Panels, Side Leg Curtain, Stage Curtain.....	1,857.13	20.40
			<i>For 14 Oz Fabric, Deduct</i>	-272.45	
<b>11 61 43 00-0239</b>			<b>Hard Masking</b> <small>(11 61 43 00-0001)</small>		
11 61 43 00-0240	SF		Temporary Hard Masking 1/4" B/C Plywood With 1" x 2" Frame, 2 Coats Primer, 3 Coats Paint.....	3.93	
			<i>For Applied Muslin Covering Add</i>	1.93	
11 61 43 00-0241	SF		Permanent Hard Masking 3/4" B/C FP Plywood With 1" x 2" Frame, 1 Coat Primer, 2 Coats Paint.....	4.08	
			<i>For Applied Muslin Covering Add</i>	1.93	
<b>11 61 43 00-0242</b>			<b>Stage Curtain And Hardware Surcharges</b> <small>(11 61 43 00-0001)</small>		
11 61 43 00-0243	EA		Pattern Surcharge (Full Size Paper Template), For Curved Proscenium Valance Or Custom Cut-outs (Decorative Plaster).....	1,036.18	
			Note: One (1) crew day (with two (2) person crew).		



<b>Equipment</b>	<b>11</b>	
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>	<b>11</b>
<b>Broadcast, Theater, and Stage Equipment</b>	<b>11 61</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 61 43 00-0244	EA	Install New Wall Mounted "Flame-Resistance Certificate" With Aluminum Frame And 1/8" Lexan Cover.....	23.31	
<b>11 61 43 00-0245</b>		<b>Rigging Inspection, Report, Repairs And Component Parts</b> <small>(11 61 43)</small>		
<b>11 61 43 00-0246</b>		<b>Curtain, Drape, and Rigging Inspection And Report</b> <small>(11 61 43 00-0245)</small>		
		Note: Includes all line sets (a line set is any flown or dead hung batten or load), all battens, cables, chains, loft and head blocks, counterweights, winches, guide systems, hand locks, rope locks, projection screens, and all auditorium curtains and window hardware and drapes. All inspected items shall be identified in the report as OK, INCORRECT, or DEFECTIVE and a recommendation made for correction or replacement. The report shall also include other obvious conditions observed such as non-working electrical lights, switches, etc. and suspected structural problems, for inspection and correction by others. Includes ladders. Excludes scaffolding, scissor lifts, man lifts, or other lifting equipment.		
11 61 43 00-0247	EA	Up To 5 Line Sets, Up To 22' High Steel, Curtain, Drape, and Rigging Inspection And Report.....	1,036.18	
11 61 43 00-0248	EA	>5 To 10 Line Sets, Up To 22' High Steel, Curtain, Drape, and Rigging Inspection And Report.....	1,554.28	
11 61 43 00-0249	EA	>10 To 20 Line Sets, Up To 22' High Steel, Curtain, Drape, and Rigging Inspection And Report.....	2,072.37	
11 61 43 00-0250	EA	>20 To 30 Line Sets, Up To 22' High Steel, Curtain, Drape, and Rigging Inspection And Report.....	2,590.46	
11 61 43 00-0251	EA	Up To 5 Line Sets, >22' To 35' High Steel, Curtain, Drape, and Rigging Inspection And Report.....	1,554.28	
11 61 43 00-0252	EA	>5 To 10 Line Sets, >22' To 35' High Steel, Curtain, Drape, and Rigging Inspection And Report.....	2,072.37	
11 61 43 00-0253	EA	>10 To 20 Line Sets, >22' To 35' High Steel, Curtain, Drape, and Rigging Inspection And Report.....	2,590.46	
11 61 43 00-0254	EA	>20 To 30 Line Sets, >22' To 35' High Steel, Curtain, Drape, and Rigging Inspection And Report.....	3,108.55	
11 61 43 00-0255	EA	Up To 5 Line Sets, >35' To 50' High Steel, Curtain, Drape, and Rigging Inspection And Report.....	2,072.37	
11 61 43 00-0256	EA	>5 To 10 Line Sets, >35' To 50' High Steel, Curtain, Drape, and Rigging Inspection And Report.....	2,590.46	
11 61 43 00-0257	EA	>10 To 20 Line Sets, >35' To 50' High Steel, Curtain, Drape, and Rigging Inspection And Report.....	3,108.55	
11 61 43 00-0258	EA	>20 To 30 Line Sets, >35' To 50' High Steel, Curtain, Drape, and Rigging Inspection And Report.....	3,626.64	
<b>11 61 43 00-0259</b>		<b>Miscellaneous Tasks Including Labor and Material</b> <small>(11 61 43 00-0245)</small>		
11 61 43 00-0260	EA	Sample And Test Curtain Material And Certify As Inherently Flame Resistant, Flame Proofed, Or Not Treated.....	77.98	
11 61 43 00-0261	EA	Minimum Charge For Independent Company To Sample And Test Curtain Material And Certify As Inherently Flame Resistant, Flame Proofed, Or Not Treated.....	531.68	
11 61 43 00-0262	SF	Replace Disturbed Fireproofing Material On Ceiling, Beams Etc.....	35.74	

**11 66 Athletic Equipment** (11 60)

**11 66 13 Exercise Equipment** (11 66)

**11 66 13 00-0001 Fitness Systems** (11 66 13)

**11 66 13 00-0002 Components For Physical Fitness Activities** (11 66 13 00-0001)

11 66 13 00-0003	EA	Sit And Reach.....	790.64	49.12
11 66 13 00-0004	EA	Isometric Squat.....	294.14	19.65
11 66 13 00-0005	EA	Log Jump.....	1,931.43	78.61
11 66 13 00-0006	EA	Step Up.....	424.80	39.30
11 66 13 00-0007	EA	Hip Rotation.....	2,128.15	68.78
11 66 13 00-0008	EA	Body Curl.....	780.61	39.30
11 66 13 00-0009	EA	Horizontal Ladder.....	2,575.74	78.61
11 66 13 00-0010	EA	Chin Up.....	1,941.05	78.61
11 66 13 00-0011	EA	Push Up.....	1,189.31	39.30
11 66 13 00-0012	EA	Leg Raise.....	1,661.35	58.96
11 66 13 00-0013	EA	Log Hop.....	755.73	19.65
11 66 13 00-0014	EA	Parallel Bar.....	1,596.44	58.96
11 66 13 00-0015	EA	Leg Stretch.....	665.21	39.30
11 66 13 00-0016	EA	Balance Beam.....	599.89	29.47
11 66 13 00-0017	EA	Log Roll.....	1,915.77	49.12

**11 66 13 00-0018 Ballet Equipment** (11 66 13)

**11 66 13 00-0019 Wall Mounted Ballet Bars** (11 66 13 00-0018)

11 66 13 00-0020	EA	Maple, Single, 1-1/2" Diameter, 11' Length, Wall Mounted Ballet Bar With Brackets.....	245.04	7.85
11 66 13 00-0021	EA	Poplar, Single, 1-1/2" Diameter, 11' Length, Wall Mounted Ballet Bar With Brackets.....	220.67	7.85
11 66 13 00-0022	EA	Oak, Single, 1-1/2" Diameter, 11' Length, Wall Mounted Ballet Bar With Brackets.....	232.85	7.85
11 66 13 00-0023	EA	Maple, Adjustable, Single, 1-1/2" Diameter, 11' Length, Wall Mounted Ballet Bar With Brackets.....	391.25	7.85
11 66 13 00-0024	EA	Poplar, Adjustable, Single, 1-1/2" Diameter, 11' Length, Wall Mounted Ballet Bar With Brackets.....	494.81	7.85
11 66 13 00-0025	EA	Oak, Adjustable, Single, 1-1/2" Diameter, 11' Length, Wall Mounted Ballet Bar With Brackets.....	379.06	7.85
11 66 13 00-0026	EA	Bracket For 1-1/2" Single Ballet Bar.....	56.76	3.93
		<i>For Floor Attachment Leg, Add</i>	<i>18.68</i>	
11 66 13 00-0027	EA	Maple, Double, 1-1/2" Diameter, 11' Length, Wall Mounted Ballet Bars With Brackets.....	329.92	13.75
11 66 13 00-0028	EA	Poplar, Double, 1-1/2" Diameter, 11' Length, Wall Mounted Ballet Bars With Brackets.....	305.55	13.75
11 66 13 00-0029	EA	Oak, Double, 1-1/2" Diameter, 11' Length, Wall Mounted Ballet Bars With Brackets.....	317.74	13.75
11 66 13 00-0030	EA	Bracket For 1-1/2" Double Ballet Bars.....	80.48	5.89
		<i>For Floor Attachment Leg, Add</i>	<i>19.27</i>	

**11 66 13 00-0031 Wall Mounted Ballet Mirrors** (11 66 13 00-0018)

11 66 13 00-0032	EA	2' x 6' Acrylic In Aluminum Frame Wall Mounted Ballet Mirror.....	362.01	9.81
11 66 13 00-0033	EA	2' x 8' Acrylic In Aluminum Frame Wall Mounted Ballet Mirror.....	551.86	9.81
11 66 13 00-0034	EA	3' x 6' Acrylic In Aluminum Frame Wall Mounted Ballet Mirror.....	563.59	9.42
11 66 13 00-0035	EA	3' x 8' Acrylic In Aluminum Frame Wall Mounted Ballet Mirror.....	834.48	9.42
11 66 13 00-0036	EA	4' x 6' Acrylic In Aluminum Frame Wall Mounted Ballet Mirror.....	862.98	10.99

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 66 Athletic Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 66 13 00-0037	EA		4' x 8' Acrylic In Aluminum Frame Wall Mounted Ballet Mirror.....	891.04	10.99
11 66 13 00-0038	EA		5' x 6' Acrylic In Aluminum Frame Wall Mounted Ballet Mirror.....	810.29	12.56
11 66 13 00-0039	EA		5' x 8' Acrylic In Aluminum Frame Wall Mounted Ballet Mirror.....	842.82	12.56
<b>11 66 13 00-0040</b>			<b>Wall Mounted Equipment</b> <small>(11 66 13)</small>		
11 66 13 00-0041	SET		Parallel Bars, Wall Mounted.....	2,424.12	233.94
11 66 13 00-0042	EA		Exercise Ladder, Wall Mounted.....	1,966.00	4.87
<b>11 66 23</b>			<b>Gymnasium Equipment</b> <small>(11 66)</small>		
<b>11 66 23 13</b>			<b>Basketball Equipment</b> <small>(11 66 23)</small>		
<b>11 66 23 13-0001</b>			<b>Basketball Equipment</b> <small>(11 66 23 13)</small>		
11 66 23 13-0002	EA		4' To 6' Extension, Wall Mounted, Stationary Basketball Backstop System With 54" x 39" Fan Shaped Cast Aluminum Basketball Backboard (Porter Athletic 312F46).....	2,769.25	350.91
			Note: Includes rim and net.		
			<i>For Glass Backstop, Add</i>	500.00	
			<i>For Fiberglass Backstop, Add</i>	200.00	
11 66 23 13-0003	EA		6' Ceiling Mounted Basketball Backstop Wood, Fixed Type, With Support Structure.....	4,347.53	350.91
			Note: Includes rim and net.		
			<i>For Glass Backstop, Add</i>	500.00	
			<i>For Fiberglass Backstop, Add</i>	200.00	
11 66 23 13-0004	EA		Ceiling Mounted Basketball Backstop Wood, Swing-up Type (Either Forward Or Backward), With Support Structure.....	5,274.61	467.87
			Note: Includes rim and net.		
			<i>For Glass Backstop, Add</i>	500.00	
			<i>For Electrically Operated, Add</i>	1,334.84	
			<i>For Fiberglass Backstop, Add</i>	200.00	
11 66 23 13-0005	EA		72" x 42" x 1/2", Center-Strut® Rectangular Glass Backboard (Porter Athletic 00208-00).....	1,128.79	84.71
			Note: For indoor use. Includes fully tempered glass.		
11 66 23 13-0006	EA		48" Recreational Backboard Pad (Porter Athletic 00324-648).....	205.18	9.75
11 66 23 13-0007	EA		54" Recreational Backboard Pad (Porter Athletic 00324-654).....	234.01	11.69
11 66 23 13-0008	EA		72" Recreational Backboard Pad (Porter Athletic 00324-672).....	262.82	13.65
11 66 23 13-0009	EA		Anti-Whip, Nylon Cord Basketball Net (Porter Athletic 09608-120).....	20.09	3.90
<b>11 66 23 23</b>			<b>Volleyball Equipment</b> <small>(11 66 23)</small>		
11 66 23 23-0001	EA		Economy End Upright Padding, Each, Wrap Around Pads Only.....	453.43	24.43
			Note: Porter Athletic model # 717-003.		
11 66 23 23-0002	EA		Net Tension Cover Pads, 1 Pair.....	102.03	5.50
			Note: Porter Athletic model # 00816-003.		
11 66 23 23-0003	EA		32' L x 39" H Power Volleyball Net.....	334.41	18.02
			Note: Porter Athletic model # 02255-000.		
11 66 23 23-0004	EA		White Polyester Reinforced Boundary Markers, One Pair.....	60.48	1.75
			Note: Porter Athletic model # 02297-000.		
11 66 23 23-0005	EA		Power-Line Net Antenna, One Pair.....	211.33	3.71
			Note: Porter Athletic model # 02296-100.		
11 66 23 23-0006	EA		32' x 39" Power-Line Competition Volleyball Net.....	381.45	17.54
			Note: Porter Athletic model # 02295-640.		
11 66 23 23-0007	EA		Competition Center Standard Padding, Standard Red.....	384.44	7.80
			Note: Porter Athletic model # 00839-103.		
			<i>For Colors Other Than Standard Red, Add</i>	22.00	
			Note: Other colors include sky blue, royal blue, white, orange, yellow, beige, gray, maroon, purple, black, navy, kelly green, dark green.		
11 66 23 23-0008	EA		Judge's Stand, Attaches To Standard.....	767.70	19.50
			Note: Porter Athletic model # 00889-100.		
11 66 23 23-0009	EA		Judge's Stand Padding.....	550.29	9.75
			Note: Porter Athletic model # 00993-103.		
			<i>For Colors Other Than Standard Red, Add</i>	30.00	
			Note: Other colors include sky blue, royal blue, white, orange, yellow, beige, gray, maroon, purple, black, navy, kelly green, dark green.		
11 66 23 23-0010	EA		Power-Line Aluminum Uprights, One Pair.....	2,258.10	19.50
			Note: Porter Athletic model # 01991-000.		
11 66 23 23-0011	EA		2-3/8" Round Ground/Floor Sleeve.....	129.45	1.75
			Note: Porter Athletic model # 00402-000.		
11 66 23 23-0012	EA		3-1/2" Round Ground/Floor Sleeve.....	150.44	1.75
			Note: Porter Athletic model # 00403-000.		
11 66 23 23-0013	EA		4" Round Ground/Floor Sleeve.....	162.44	1.75
			Note: Porter Athletic model # 00404-000.		
<b>11 66 23 53</b>			<b>Wall Padding</b> <small>(11 66 23)</small>		
11 66 23 53-0001	SF		1-1/4" Thick Removable Gymnasium Wall Padding, Non Fire Rated.....	4.42	0.55
			<i>For Class A Fire Rated Material, Add</i>	0.49	
			<i>For Furring Strip Installation (Vinyl Wrapped At Ends), Add</i>	2.27	
11 66 23 53-0002	SF		1-1/2" Thick Removable Gymnasium Wall Padding, Non Fire Rated.....	4.90	0.63
			<i>For Class A Fire Rated Material, Add</i>	0.55	
			<i>For Furring Strip Installation (Vinyl Wrapped At Ends), Add</i>	2.27	
11 66 23 53-0003	SF		2" Thick Removable Gymnasium Wall Padding, Non Fire Rated.....	6.64	0.79
			<i>For Class A Fire Rated Material, Add</i>	0.79	
			<i>For Furring Strip Installation (Vinyl Wrapped At Ends), Add</i>	2.27	



<b>Equipment</b>	<b>11</b>	
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>	<b>11</b>
<b>Athletic Equipment</b>	<b>11 66</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 66 23 53-0004	SF		1-1/2" Thick Fixed, Non Fire Rated, Gymnasium Wall Padding..... Note: Includes cutouts and wall trim. <i>For Class A Fire Rated Material, Add</i> <i>For Furring Strip Installation (Vinyl Wrapped At Ends), Add</i>	5.71 8.07 2.27	0.59
11 66 23 53-0005	SF		2" Thick Fixed, Non Fire Rated, Gymnasium Wall Padding..... <i>For Class A Fire Rated Material, Add</i> <i>For ASTM F2440 Impact Protection, Add</i> <i>For Furring Strip Installation (Vinyl Wrapped At Ends), Add</i>	7.75 7.88 11.42 2.27	0.65
11 66 23 53-0006	SF		3" Thick Fixed, Non Fire Rated, Gymnasium Wall Padding..... <i>For Class A Fire Rated Material, Add</i> <i>For ASTM F2440 Impact Protection, Add</i> <i>For Furring Strip Installation (Vinyl Wrapped At Ends), Add</i>	11.78 7.48 15.75 2.27	0.72
11 66 23 53-0007	LF		"Z" Wall/Panel Attachment Clips For Wall Pads ..... Note: Extruded aluminum. Typically requires two clips mounted to wall and two clips mounted to panel for a 6' high wall pad.	4.24	0.94
11 66 23 53-0008	LF		Molding Channel Wall Attachment For Wall Pads ..... Note: Extruded aluminum. Accepts 1" lip of wall pad at bottom of pad. Can be used with "Z" clip to secure top of pad.	7.18	0.94
11 66 23 53-0009	LF		Floor Molding Channel Wall Attachment For Wall Pads ..... Note: Extruded aluminum. Accepts 1" lip of wall pad at bottom of pad. Provides contoured molding strip from panel to the floor.	7.57	0.94
11 66 23 53-0010	EA		Single Or Double Gang Molded Inserts For Electrical Outlets .....	27.82	
<b>11 66 43 Interior Scoreboards (11 66)</b>					
<b>11 66 43 00-0001 Scoreboards (11 66 43)</b>					
11 66 43 00-0002	EA		8' x 3' x 8", Multi-Sport LED Scoreboard With Wired Controls (Nevco Model 2700)..... Note: For basketball, volleyball or wrestling. Includes horn and controls. Excludes wire to controls. <i>For Scoreboard Only, No Controls, Deduct</i> <i>For Control Carrying Case, Add</i> <i>For Wireless Controls, Add</i>	3,058.16 -321.00 59.00 517.17	220.55
11 66 43 00-0003	EA		8' x 6' x 8", Multi-Sport LED Scoreboard With Wired Controls (Nevco Model 2750)..... Note: For basketball, volleyball or wrestling. Includes horn and controls. Excludes wire to controls. <i>For Scoreboard Only, No Controls, Deduct</i> <i>For Control Carrying Case, Add</i> <i>For Wireless Controls, Add</i>	4,473.72 -321.00 59.00 517.17	367.57
11 66 43 00-0004	EA		12' x 8' x 8", Multi-Sport LED Scoreboard With Wired Controls (Nevco Model 2760)..... Note: For basketball, volleyball or wrestling. Includes horn and controls. Excludes wire to controls. <i>For Scoreboard Only, No Controls, Deduct</i> <i>For Control Carrying Case, Add</i> <i>For Wireless Controls, Add</i>	6,988.23 -321.00 59.00 517.17	441.09
11 66 43 00-0005	EA		9' Long x 5' High x 4" Deep Indoor Multi-Sport Scoreboard (Fair-Play BB-1620-4)..... <i>For Scoreboard Only, No Controls, Deduct</i> <i>For Control Carrying Case, Add</i>	5,255.36 -321.00 59.00	367.57
11 66 43 00-0006	EA		1.66' Long x 1.41' High x 6.5" Deep Shot Clock Set (Fair-Play ST-1410-4)..... Note: Set includes two shot clocks. <i>For Scoreboard Only, No Controls, Deduct</i> <i>For Control Carrying Case, Add</i>	2,184.87 -321.00 59.00	147.03
<b>11 66 53 Gymnasium Dividers (11 66)</b>					
<b>11 66 53 11 Gymnasium Dividers (11 66 53)</b>					
<b>11 66 53 11-0001 Gymnasium Dividers (11 66 53 11)</b>					
11 66 53 11-0002	SF		Gym Divider, Manual Mesh Top And Vinyl Bottom .....	5.09	0.40
11 66 53 11-0003	SF		Gym Divider, Electric Roll Up Mesh Top And Vinyl Bottom .....	9.79	0.40
<b>11 68 Play Field Equipment And Structures (11 68)</b>					
<b>11 68 13 Playground Equipment (11 68)</b>					
See CSI section 32 31 13 13-0001 for augering holes and fill for posts.					
<b>11 68 13 00-0001 Standalone Playground Equipment (11 68 13)</b>					
<b>11 68 13 00-0002 Ground Socket For Movable Posts (11 68 13 00-0001)</b>					
11 68 13 00-0003	PR		Ground Socket For 2-3/8" Post For Playground Equipment .....	143.14	26.53
11 68 13 00-0004	PR		Ground Socket For 3-1/2" Post For Playground Equipment .....	231.45	26.53
<b>11 68 13 00-0005 See-Saws (11 68 13 00-0001)</b>					
<b>11 68 13 00-0006 Steel See-Saw (11 68 13 00-0005)</b>					
11 68 13 00-0007	EA		2 Unit Steel See-Saw.....	1,255.45	163.23
11 68 13 00-0008	EA		4 Unit Steel See-Saw.....	2,092.28	192.90
11 68 13 00-0009	EA		6 Unit Steel See-Saw.....	2,927.13	235.77
<b>11 68 13 00-0010 14' Long Laminated Beam (11 68 13 00-0005)</b>					
11 68 13 00-0011	EA		Beam Is Supported By Two 12 In x 12 In Stepping Column Posts .....	1,390.86	144.34
11 68 13 00-0012	EA		Beam Is Supported By Two 8 In x 8 In Posts.....	946.64	128.57



**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment And Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0013			<b>Slides</b> <small>(11 68 13 00-0001)</small>		
11 68 13 00-0014	EA		8' Long x 4' High Slide With Stainless Steel Bed .....	1,438.31	186.66
11 68 13 00-0015	EA		12' Long x 6' High Slide With Stainless Steel Bed .....	2,009.11	265.24
11 68 13 00-0016	EA		16' Long x 8' High Slide With Stainless Steel Bed .....	2,224.65	294.71
11 68 13 00-0017	EA		20' Long x 10' High Slide With Stainless Steel Bed .....	2,817.52	326.47
11 68 13 00-0018	EA		6' High, 360 Degree One Piece Molded Polyethylene Slide .....	5,600.68	513.55
11 68 13 00-0019	EA		7' High, 360 Degree Slide, Stainless Steel Bed .....	9,131.82	529.78
11 68 13 00-0020	EA		9' High, 360 Degree Slide, Stainless Steel Bed .....	11,538.79	556.81
11 68 13 00-0021			<b>Whirlers</b> <small>(11 68 13 00-0001)</small>		
11 68 13 00-0022	EA		8' Diameter Whirler .....	3,449.88	353.65
11 68 13 00-0023	EA		10' Diameter Whirler .....	3,995.11	424.39
11 68 13 00-0024			<b>Other Standalone Playground Equipment</b> <small>(11 68 13 00-0001)</small>		
11 68 13 00-0025			<b>Miscellaneous Standalone Playground Equipment</b> <small>(11 68 13 00-0024)</small>		
11 68 13 00-0026	EA		Horizontal Ladder.....	1,125.72	94.52
11 68 13 00-0027	EA		Tether Ball Post .....	187.28	18.47
11 68 13 00-0028	PR		10'-6" Long Multiple Purpose Post.....	282.19	32.66
11 68 13 00-0029	EA		3-Person Fiberglass Golf Tee Shelter Turntable.....	2,473.20	92.26
11 68 13 00-0030	EA		Horizontal Turning Bars, 1 Bar.....	349.26	49.33
11 68 13 00-0031	EA		Horizontal Turning Bars, 2 Bars.....	476.91	58.96
11 68 13 00-0032	EA		Horizontal Turning Bars, 3 Bars.....	643.58	78.61
11 68 13 00-0033	EA		Horizontal Turning Bars, 5 Bars.....	945.72	108.08
11 68 13 00-0034	EA		Top Goal Opening With 4 Exit Holes (One Each Side) And 8' Pole.....	1,036.24	45.00
11 68 13 00-0035	EA		Top Goal Opening With 4 Exit Holes (One Each Side) And 10' Pole.....	1,141.53	48.58
11 68 13 00-0036	EA		Coil Spring With Single Riding Aluminum Saddle Devices .....	1,113.90	52.08
11 68 13 00-0037	EA		"C" Spring With Single Riding Aluminum Saddle Devices .....	1,096.31	44.81
11 68 13 00-0038	EA		Rubber Spring With Single Riding Aluminum Saddle Devices.....	1,347.99	58.68
11 68 13 00-0039	EA		Coil Spring Assembly Only .....	277.82	21.58
11 68 13 00-0040	EA		"C" Spring Assembly Only.....	184.58	14.38
11 68 13 00-0041	EA		Rubber Spring Assembly Only .....	172.97	28.06
11 68 13 00-0042	EA		Footbuck Assembly Only .....	47.95	3.78
11 68 13 00-0043	EA		Replacement Animal Only .....	717.02	30.58
11 68 13 00-0044	EA		Two Seat, Two Spring Action Cars (4'-8" x 2'-8").....	1,269.63	53.96
11 68 13 00-0045			<b>Freestanding Panels</b> <small>(11 68 13 00-0024)</small>		
			Note: Rotomolded polyethylene.		
11 68 13 00-0046	EA		Tic-Tac-Toe Panel .....	540.54	23.11
11 68 13 00-0047	EA		24" Bubble Panel .....	809.75	34.62
11 68 13 00-0048	EA		Fire Engine Panel .....	1,188.33	50.82
11 68 13 00-0049	EA		Flat Mirror Panel .....	950.67	40.67
11 68 13 00-0050	EA		Wavy Mirror Panel .....	1,407.07	60.21
11 68 13 00-0051	EA		Paint Time Panel.....	912.81	39.07
11 68 13 00-0052	EA		Phone Time Panel .....	647.79	27.71
11 68 13 00-0053	EA		Phone Time With Graphic Panel.....	647.79	27.71
11 68 13 00-0054	EA		Race Time Panel .....	1,135.75	48.58
11 68 13 00-0055	EA		Rescue 911 Panel.....	1,153.06	48.58
11 68 13 00-0056	EA		Eastern/Central/Western States Panel .....	620.46	26.53
11 68 13 00-0057	EA		Career People Panel.....	704.58	30.14
11 68 13 00-0058	EA		Solar System Panel .....	704.58	30.14
11 68 13 00-0059	EA		Animals Panel .....	704.58	30.14
11 68 13 00-0060			<b>Freestanding Panels Uprights</b> <small>(11 68 13 00-0024)</small>		
11 68 13 00-0061	EA		3-1/2" Outside Diameter End Panel Upright.....	164.39	12.97
11 68 13 00-0062	EA		3-1/2" Outside Diameter 90 Degree Upright .....	178.09	14.04
11 68 13 00-0063	EA		3-1/2" Outside Diameter 180 Degree Upright .....	178.09	14.04
11 68 13 00-0064	EA		3-1/2" Outside Diameter "T-Shaped" Upright.....	189.50	14.94
11 68 13 00-0065			<b>Coasters</b> <small>(11 68 13 00-0024)</small>		
11 68 13 00-0066	EA		12' Single Metal Coaster With Four Posts.....	4,193.89	157.20
11 68 13 00-0067	EA		18' Single Metal Coaster With Four Posts.....	4,677.81	196.51
11 68 13 00-0068	EA		12' Double Metal Coaster With Four Posts .....	6,794.64	235.81
11 68 13 00-0069	EA		18' Double Metal Coaster With Four Posts .....	7,711.72	294.77
11 68 13 00-0070			<b>Climbers</b> <small>(11 68 13 00-0024)</small>		
11 68 13 00-0071	EA		Tower Climber, 3.17' Diameter x 7.25' High.....	724.90	105.01
11 68 13 00-0072	EA		Arch Climber, 2' x 12' x 4.5' High .....	655.09	128.60
11 68 13 00-0073	EA		Arch Climber, 2' x 15' x 5.83' High .....	716.80	105.01
11 68 13 00-0074	EA		Arch Climber, 2' x 17' x 6.58' High .....	775.25	128.60
11 68 13 00-0075	EA		Rainbow Climber, 2' x 10'-5" x 4' High .....	834.93	104.90
11 68 13 00-0076	EA		Rainbow Climber, 2' x 10'-5" x 5' High .....	943.11	104.94
11 68 13 00-0077	EA		Rainbow Climber, 2' x 12'-5" x 6' High .....	1,108.90	104.94
11 68 13 00-0078	EA		Rainbow Climber, 2' x 15'-4" x 7' High .....	1,217.26	104.90



<b>Equipment</b>	<b>11</b>
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>
<b>Play Field Equipment And Structures</b>	<b>11 68</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0079	EA		Double Level Arch Climber, 6' Wide x 12'-6" x 6' High Upper Section / 5' High Lower Section .....	1,470.86	122.82
11 68 13 00-0080	EA		12' Long Horizontal Ladder Climber.....	1,202.46	91.67
11 68 13 00-0081	EA		14' Long Horizontal Ladder Climber.....	1,220.70	91.67
11 68 13 00-0082	EA		16' Long Horizontal Ladder Climber.....	1,341.43	91.67
11 68 13 00-0083	EA		Bell Climber, 7'-5" High With Double Bars .....	1,243.30	117.91
11 68 13 00-0084	EA		2-Way Climber .....	1,039.72	94.52
11 68 13 00-0085	EA		4-Way Climber .....	1,695.11	94.52
<b>11 68 13 00-0086 Swings</b> <small>(11 68 13 00-0001)</small>					
<b>11 68 13 00-0087 Two-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail</b> <small>(11 68 13 00-0086)</small>					
			Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0088	EA		8' High Top Rail, One Section Two Seats.....	952.35	144.34
			For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	112.17	
			For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	132.28	
11 68 13 00-0089	EA		8' High Top Rail, Two Sections Four Seats .....	1,528.46	206.54
			For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	180.74	
			For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	215.90	
11 68 13 00-0090	EA		8' High Top Rail, Three Sections, Six Seats .....	2,112.29	303.91
			For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	249.56	
			For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	297.26	
11 68 13 00-0091	EA		8' High Top Rail, Four Sections, Eight Seats .....	2,652.99	353.65
			For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	313.94	
			For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	375.84	
11 68 13 00-0092	EA		10' High Top Rail, One Section Two Seats.....	1,022.19	144.34
			For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	120.90	
			For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	144.50	
11 68 13 00-0093	EA		10' High Top Rail, Two Section Four Seats .....	1,590.51	219.97
			For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	187.51	
			For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	221.84	
11 68 13 00-0094	EA		10' High Top Rail, Three Sections, Six Seats .....	2,187.38	341.60
			For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	257.15	
			For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	301.43	
11 68 13 00-0095	EA		10' High Top Rail, Four Sections, Eight Seats .....	2,910.02	412.60
			For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	343.11	
			For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	406.06	
<b>11 68 13 00-0096 Three-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail</b> <small>(11 68 13 00-0086)</small>					
			Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0097	EA		8' High Top Rail, One Section, Two Seats.....	1,110.84	127.47
			For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	132.48	
			For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	162.52	
11 68 13 00-0098	EA		8' High Top Rail, Two Sections, Four Seats .....	1,612.35	184.96
			For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	192.30	
			For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	235.92	
11 68 13 00-0099	EA		8' High Top Rail, Three Sections, Six Seats .....	2,150.67	247.37
			For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	256.47	
			For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	314.53	
11 68 13 00-0100	EA		8' High Top Rail, Four Sections, Eight Seats .....	2,697.16	294.71
			For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	322.41	
			For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	398.31	
11 68 13 00-0101	EA		10' High Top Rail, One Section, Two Seats.....	1,252.79	143.67
			For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	149.42	
			For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	183.33	
11 68 13 00-0102	EA		10' High Top Rail, One Section Three Seats .....	1,311.88	152.34
			For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	156.73	
			For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	193.29	
11 68 13 00-0103	EA		10' High Top Rail, Two Sections, Four Seats .....	1,748.56	201.11
			For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	208.51	
			For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	255.72	
11 68 13 00-0104	EA		10' High Top Rail, Two Sections, Six Seats.....	2,117.98	231.84
			For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	253.70	
			For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	315.42	
11 68 13 00-0105	EA		10' High Top Rail, Three Section, Six Seats .....	2,327.66	267.56
			For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	277.58	
			For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	340.45	
11 68 13 00-0106	EA		10' High Top Rail, Three Sections, Nine Seats.....	2,925.08	294.83
			For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	350.90	
			For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	438.20	
11 68 13 00-0107	EA		10' High Top Rail, Four Section, Eight Seats.....	2,942.51	353.65
			For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	350.13	
			For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	426.51	
11 68 13 00-0108	EA		12' High Top Rail, One Section Three Seats .....	1,374.22	156.04
			For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	164.34	
			For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	203.32	
11 68 13 00-0109	EA		12' High Top Rail, Two Sections, Six Seats.....	2,237.36	251.06
			For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	267.71	
			For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	331.74	
11 68 13 00-0110	EA		12' High Top Rail, Three Sections, Nine Seats.....	3,228.65	402.11
			For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	383.93	
			For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	466.78	

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment And Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>11 68 13 00-0111 Swing Accessories</b> <small>(11 68 13 00-0066)</small>		
11 68 13 00-0112 EA Enclosed Tot Seat With Chain And Hardware .....	342.91	11.80
11 68 13 00-0113 EA Bucket Seat With Chain And Hardware .....	285.06	9.82
11 68 13 00-0114 EA Belt Seat With Chain And Hardware .....	303.65	10.48
11 68 13 00-0115 EA Seat With Chain And Hardware .....	299.52	10.32
11 68 13 00-0116 EA Wide Seat With Chain And Hardware .....	316.17	10.90
11 68 13 00-0117 EA Handi Seat With Chain And Hardware .....	944.01	32.52
11 68 13 00-0118 LF 0.4 LB/LF Replacement Chain .....	3.87	0.23
11 68 13 00-0119 LF 1 LB/LF Replacement Chain .....	7.18	0.46
11 68 13 00-0120 EA Swing Hanger Replacement .....	41.95	2.69
<b>11 68 13 00-0121 Playground Equipment (Landscape Structures®)</b> <small>(11 68 13)</small>		
Note: Excludes excavation and concrete footings.		
<b>11 68 13 00-0122 Playground Equipment (Landscape Structures® PlayShaper®)</b> <small>(11 68 13 00-0121)</small>		
Note: Ages 2 to 5 years.		
11 68 13 00-0123 EA El Slide, 32" Deck (Landscape Structures® PlayShaper® 111323A) .....	2,071.90	55.19
11 68 13 00-0124 EA SpyroSlide, 56" Height, 48" Deck (Landscape Structures® PlayShaper® 143480A) .....	5,168.12	206.96
11 68 13 00-0125 EA Tunnel Slide, 40" Deck (Landscape Structures® PlayShaper® 128952A) .....	2,162.78	55.19
11 68 13 00-0126 EA Double Wave Poly Slide, 48" Deck (Landscape Structures® PlayShaper® 123336A) .....	2,448.94	82.79
11 68 13 00-0127 EA Double Swirl Slide, 48" Deck (Landscape Structures® PlayShaper® 130798A) .....	2,065.95	82.79
11 68 13 00-0128 EA Double Poly Slide, 32" Deck (Landscape Structures® PlayShaper® 132155A) .....	1,649.95	55.19
11 68 13 00-0129 EA Double Poly Slide, 40"- 48" Deck (Landscape Structures® PlayShaper® 132155B) .....	1,838.20	55.19
11 68 13 00-0130 EA Lava Run Slide, 30" Or 32" Deck (Landscape Structures® PlayShaper® 137967A) .....	1,396.78	55.19
11 68 13 00-0131 EA 32" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426A) .....	3,956.64	165.57
11 68 13 00-0132 EA 40" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426B) .....	4,592.81	165.57
11 68 13 00-0133 EA 48" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426C) .....	4,962.82	165.57
11 68 13 00-0134 EA Curved Poly Slide, 40" Deck (Landscape Structures® PlayShaper® 123339A) .....	1,435.17	27.60
11 68 13 00-0135 EA Single Poly Slide, 40" Deck (Landscape Structures® PlayShaper® 133668A) .....	1,429.24	55.19
11 68 13 00-0136 EA 32" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117A) .....	1,884.18	82.79
11 68 13 00-0137 EA 40" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117B) .....	2,111.39	82.79
11 68 13 00-0138 EA 48" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117C) .....	2,364.55	82.79
11 68 13 00-0139 EA Critter Canyon Climber, 30" Or 32" Deck (Landscape Structures® PlayShaper® 137966A) .....	1,357.83	55.19
11 68 13 00-0140 EA Thunderhead Climber, 48" Deck-To-Ground (Landscape Structures® PlayShaper® 139911A) .....	5,684.47	220.76
11 68 13 00-0141 EA Step Deck Climber, 16" Deck (Landscape Structures® PlayShaper® 119981A) .....	767.11	55.19
11 68 13 00-0142 EA Loop Ladder Climber, 40" Or 48" Deck (Landscape Structures® PlayShaper® 111364A) .....	844.44	27.60
11 68 13 00-0143 EA Loop Arch Climber, 32" - 48" Deck (Landscape Structures® PlayShaper® 139262A) .....	1,243.41	68.99
11 68 13 00-0144 EA 32" Deck, Block Climber (Landscape Structures® PlayShaper® 135547A) .....	1,939.64	96.58
11 68 13 00-0145 EA 40" Deck, Block Climber (Landscape Structures® PlayShaper® 135547B) .....	2,283.69	96.58
11 68 13 00-0146 EA 32" - 40" Deck, Cozy Climber (Landscape Structures® PlayShaper® 132023A) .....	2,169.27	55.19
11 68 13 00-0147 EA 48" Deck, Cozy Climber (Landscape Structures® PlayShaper® 132023B) .....	2,338.05	55.19
11 68 13 00-0148 EA 1-Step, With Permalene Barriers, Deck Links (Landscape Structures® PlayShaper® 153021A) .....	1,033.26	55.19
11 68 13 00-0149 EA 2-Steps, With Permalene Barriers, Deck Links (Landscape Structures® PlayShaper® 153021B) .....	1,215.02	55.19
11 68 13 00-0150 EA 16" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346A) .....	547.32	23.00
11 68 13 00-0151 EA 24" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346B) .....	1,010.26	41.39
11 68 13 00-0152 EA 32" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346C) .....	1,483.75	105.78
11 68 13 00-0153 EA 40" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346D) .....	1,769.38	105.78
11 68 13 00-0154 EA 32" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327A) .....	1,623.98	55.19
11 68 13 00-0155 EA 40" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327B) .....	3,139.87	55.19
11 68 13 00-0156 EA 48" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327C) .....	2,435.42	55.19
11 68 13 00-0157 EA 32" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284A) .....	709.52	68.99
11 68 13 00-0158 EA 40" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284B) .....	731.67	68.99
11 68 13 00-0159 EA 48" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284C) .....	770.19	68.99
11 68 13 00-0160 EA Overhead Events Horizontal Ladder, 16" Deck (Landscape Structures® PlayShaper® 129967A) .....	834.44	13.79
11 68 13 00-0161 EA Overhead Events Horizontal Ladder End Panel, Without Posts (Landscape Structures® PlayShaper® 129968A) .....	295.64	13.79
11 68 13 00-0162 EA Conical Climber, 40" Deck (Landscape Structures® PlayShaper® 143200A) .....	2,927.44	96.58
11 68 13 00-0163 EA ABC Climber, 32" - 48" Deck (Landscape Structures® PlayShaper® 152432A) .....	1,510.35	68.99
11 68 13 00-0164 EA Mini Summit Climber, 40" And 48" Decks (Landscape Structures® PlayShaper® 153077A) .....	944.60	23.00
11 68 13 00-0165 EA Arch Bridge, 42" Long (Landscape Structures® PlayShaper® 111348A) .....	1,876.59	27.60
11 68 13 00-0166 EA Phase Kit (Landscape Structures® PlayShaper® 116098A) .....	245.47	17.38
11 68 13 00-0167 EA Belt Bridge With Permalene Barriers, 42" Long (Landscape Structures® PlayShaper® 131956A) .....	1,448.15	27.60
11 68 13 00-0168 EA 8" Deck-To-Ground, Ramp Exit Plate (Landscape Structures® PlayShaper® 111413A) .....	542.87	41.39
11 68 13 00-0169 EA 16" - 48" Decks To Ground, Ramp Exit Plate (Landscape Structures® PlayShaper® 138405A) .....	962.45	41.39
11 68 13 00-0170 EA Deck-To-Deck Ramp With Permalene Barrier And Handrail, Excludes Posts (Landscape Structures® PlayShaper® 132828A) .....	3,975.01	110.38
11 68 13 00-0171 EA Deck-To-Ground Ramp With Permalene Barrier And Handrail, Excludes Posts (Landscape Structures® PlayShaper® 132844A) .....	3,975.01	110.38
11 68 13 00-0172 EA Wire Crawl Tunnel (Landscape Structures® PlayShaper® 118099A) .....	1,805.75	55.19
11 68 13 00-0173 EA Offset Crawl Tunnel, 8" Deck Height Difference (Landscape Structures® PlayShaper® 139268A) .....	1,338.36	55.19
11 68 13 00-0174 EA 28" Long, Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 128953A) .....	1,402.71	27.60
11 68 13 00-0175 EA 56" Long, Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 128953B) .....	1,824.66	27.60
11 68 13 00-0176 EA 90 Degree Curved Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 115409C) .....	1,987.51	55.19
11 68 13 00-0177 EA C-Straight Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 118097A) .....	3,254.45	110.38
11 68 13 00-0178 EA S-Straight Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 118097B) .....	3,254.45	110.38
11 68 13 00-0179 EA C-Inclined Crawl Tunnels With Entrance Panels, 16" Deck Height Difference (Landscape Structures® PlayShaper® 118098A) .....	3,254.45	110.38
11 68 13 00-0180 EA S-Inclined Crawl Tunnels With Entrance Panels, 16" Deck Height Difference (Landscape Structures® PlayShaper® 118098B) .....	3,254.45	110.38
11 68 13 00-0181 EA Bubble Panel, Enclosure (Landscape Structures® PlayShaper® 111282A) .....	633.20	13.79
11 68 13 00-0182 EA Ball Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111300A) .....	985.21	9.20



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0183 EA Chimes Panel, Enclosure (Landscape Structures® PlayShaper® 113211A) .....	1,141.01	9.20
11 68 13 00-0184 EA Braille And Clock Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 123845A) .....	1,244.87	9.20
11 68 13 00-0185 EA Driver Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111288A) .....	665.66	13.79
11 68 13 00-0186 EA Finger Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111289A) .....	530.81	9.20
11 68 13 00-0187 EA Gear Panel, Enclosure(2-Color Permalene) (Landscape Structures® PlayShaper® 117147A) .....	1,562.96	9.20
11 68 13 00-0188 EA Hole Panel, Enclosure (Landscape Structures® PlayShaper® 111284A) .....	420.45	9.20
11 68 13 00-0189 EA House Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111299A) .....	490.39	13.79
11 68 13 00-0190 EA Hourglass Panel, Enclosure (Landscape Structures® PlayShaper® 124333A) .....	1,329.26	9.20
11 68 13 00-0191 EA Match 4 Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 127684A) .....	821.45	13.79
11 68 13 00-0192 EA Image Panel, 176 Play Blocks, Enclosure (Landscape Structures® PlayShaper® 127685A) .....	1,130.07	27.60
11 68 13 00-0193 EA Math Panel, Enclosure, Red Discs Only (Landscape Structures® PlayShaper® 111294A) .....	1,222.43	23.00
11 68 13 00-0194 EA Sand And Water Panel, Enclosure (Ground Level Only), Tan Dish Only (Landscape Structures® PlayShaper® 111297A) .....	1,153.07	41.39
11 68 13 00-0195 EA Mirror Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111298A) .....	861.88	9.20
11 68 13 00-0196 EA Periscope Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 118429A) .....	1,282.35	13.79
11 68 13 00-0197 EA Pilot Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 119515A) .....	873.39	13.79
11 68 13 00-0198 EA Slant Window Panel, Enclosure (Landscape Structures® PlayShaper® 111281A) .....	1,104.10	27.60
11 68 13 00-0199 EA Storefront Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 144984A) .....	373.54	13.79
11 68 13 00-0200 EA Spelling Panel, Enclosure, Red Discs Only (Landscape Structures® PlayShaper® 111295A) .....	1,176.99	23.00
11 68 13 00-0201 EA Slant Entrance Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 111387A) .....	881.91	36.79
11 68 13 00-0202 EA Space Travel Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 123484A) .....	1,108.55	9.20
11 68 13 00-0203 EA Puppet Panel, Enclosure (Landscape Structures® PlayShaper® 111285A) .....	420.45	9.20
11 68 13 00-0204 EA Puppet Panel With Window, Enclosure (Landscape Structures® PlayShaper® 111286A) .....	574.78	13.79
11 68 13 00-0205 EA Zoo Panel, Enclosure (Landscape Structures® PlayShaper® 111287A) .....	420.45	9.20
11 68 13 00-0206 EA Tracing Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111290A) .....	543.79	9.20
11 68 13 00-0207 EA Table Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 111292A) .....	997.27	41.39
11 68 13 00-0208 EA Tic-Tac-Toe Panel, Enclosure (Landscape Structures® PlayShaper® 111293A) .....	1,120.06	13.79
11 68 13 00-0209 EA Bead And Block Panel Without Handles, Enclosure (Landscape Structures® PlayShaper® 111370A) .....	847.42	13.79
11 68 13 00-0210 EA 2 Benches, 2 End Panels (Ground Level Only) (Landscape Structures® PlayShaper® 116120A) .....	806.98	23.00
11 68 13 00-0211 EA 1 Bench, 2 End Panels (Ground Level Only) (Landscape Structures® PlayShaper® 138185A) .....	456.44	23.00
11 68 13 00-0212 EA 1 Bench, 1 End Panel (Ground Level Only) (Landscape Structures® PlayShaper® 138299A) .....	406.00	13.79
11 68 13 00-0213 EA Balcony Deck, Brown Tenderdeck Only (Landscape Structures® PlayShaper® 139260A) .....	1,120.61	41.39
11 68 13 00-0214 EA Balcony Deck With Wheel, Brown Tenderdeck Only (Landscape Structures® PlayShaper® 139260B) .....	1,308.87	41.39
11 68 13 00-0215 EA Trail Tracker Reach Panel (2-Color Permalene) (Landscape Structures® PlayShaper® 139264A) .....	381.51	9.20
11 68 13 00-0216 EA Navigator Reach Panel (2-Color Permalene) (Landscape Structures® PlayShaper® 139266A) .....	537.30	9.20
11 68 13 00-0217 EA Curb, Accessible Reach Panel (Landscape Structures® PlayShaper® 128623A) .....	104.97	9.20
11 68 13 00-0218 EA Long Wire Barrier (For 90 Degree Tri-Deck) (Landscape Structures® PlayShaper® 117945A) .....	613.73	13.79
11 68 13 00-0219 EA Long Wire Barrier With Wheel (For 90 Degree Tri-Deck) (Landscape Structures® PlayShaper® 117945B) .....	813.47	23.00
11 68 13 00-0220 EA Short Wire Barrier (Square, Corner And Extension Decks) (Landscape Structures® PlayShaper® 117946A) .....	456.44	23.00
11 68 13 00-0221 EA Short Wire Barrier With Wheel (Square, Corner And Extension Decks) (Landscape Structures® PlayShaper® 117946B) .....	644.69	23.00
11 68 13 00-0222 EA Chinning Bar Without Post (Landscape Structures® PlayShaper® 139272A) .....	102.37	9.20
11 68 13 00-0223 EA Steering Wheel (Landscape Structures® PlayShaper® 111306A) .....	199.74	9.20
11 68 13 00-0224 EA Steering Wheel With Infill Panel (Landscape Structures® PlayShaper® 111306B) .....	271.15	9.20
11 68 13 00-0225 EA Handloop (Landscape Structures® PlayShaper® 119977A) .....	154.30	9.20
11 68 13 00-0226 EA Ground Level, Talk Tubes, Attaches Next To 40" To 48" Deck Only, One Only (Landscape Structures® PlayShaper® 115198A) .....	425.47	13.79
11 68 13 00-0227 EA 16" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198B) .....	438.46	13.79
11 68 13 00-0228 EA 24" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198C) .....	444.95	13.79
11 68 13 00-0229 EA 32" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198D) .....	457.93	13.79
11 68 13 00-0230 EA 40" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198E) .....	464.42	13.79
11 68 13 00-0231 EA 48" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198F) .....	477.40	13.79
11 68 13 00-0232 EA Talk Tube Tubing Kit (Landscape Structures® PlayShaper® 111362A) .....	319.73	82.79
Note: Order one talk tube tubing kit with two talk tubes (any height listed).		
11 68 13 00-0233 EA Arch Roof (Landscape Structures® PlayShaper® 111407A) .....	636.72	27.60
11 68 13 00-0234 EA Square Poly Roof With Logo Panels (Landscape Structures® PlayShaper® 118110A) .....	1,189.05	55.19
11 68 13 00-0235 EA Square Peak Tile Roof With Logo Panels (Landscape Structures® PlayShaper® 129816A) .....	1,325.37	55.19
11 68 13 00-0236 EA Super-Square Shingle Roof With Permalene Roof Cap (Landscape Structures® PlayShaper® 130102A) .....	2,818.42	55.19
11 68 13 00-0237 EA Super-Square Shingle Roof With Poly Roof Cap (Landscape Structures® PlayShaper® 130102B) .....	3,285.81	55.19
11 68 13 00-0238 EA Square Tenderdeck, Brown Only (Landscape Structures® PlayShaper® 111237A) .....	703.11	23.00
11 68 13 00-0239 EA Square Tenderdeck, Corner, Brown Only (Landscape Structures® PlayShaper® 111238A) .....	670.66	23.00
11 68 13 00-0240 EA Square Tenderdeck, Extension, Brown Only (Landscape Structures® PlayShaper® 111239A) .....	683.64	23.00
11 68 13 00-0241 EA 90 Degree Triangular Tenderdeck, Brown Only (Landscape Structures® PlayShaper® 117495A) .....	555.30	13.79
11 68 13 00-0242 EA Transfer Stations With Two Handbars (Landscape Structures® PlayShaper® 126205A) .....	1,046.78	82.79
11 68 13 00-0243 EA Transfer Stations With One Handbar (Landscape Structures® PlayShaper® 126205B) .....	949.41	82.79
11 68 13 00-0244 EA Transfer Stations No Handbars (Landscape Structures® PlayShaper® 126205C) .....	865.02	82.79
11 68 13 00-0245 EA Curb For 90 Degree Tri-Deck (Landscape Structures® PlayShaper® 139083A) .....	128.34	9.20
11 68 13 00-0246 EA 8" Rise, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121948A) .....	112.76	9.20
11 68 13 00-0247 EA 16" Rise, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121948B) .....	167.29	9.20
11 68 13 00-0248 EA 8" Rise, 90 Degree Tri-Deck, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121949A) .....	138.72	9.20
11 68 13 00-0249 EA 16" Rise, 90 Degree Tri-Deck, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121949B) .....	206.23	9.20
11 68 13 00-0250 EA To 32" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020A) .....	2,027.56	110.38
11 68 13 00-0251 EA To 40" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020B) .....	2,332.66	110.38
11 68 13 00-0252 EA To 48" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020C) .....	2,462.49	110.38
11 68 13 00-0253 EA 56"/SpyroSlide, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399A) .....	1,266.39	27.60
11 68 13 00-0254 EA 48" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399B) .....	1,240.43	27.60
11 68 13 00-0255 EA 40" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399C) .....	1,227.44	27.60
11 68 13 00-0256 EA 32" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399D) .....	1,207.97	27.60
11 68 13 00-0257 EA 24" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399E) .....	1,188.49	27.60
11 68 13 00-0258 EA 16" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399F) .....	1,175.51	27.60
11 68 13 00-0259 EA 8" Deck, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399G) .....	1,162.53	27.60

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment And Structures**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

11 68 13 00-0260	EA	Ground Level, Arches For Decks And/Or Roofs (Landscape Structures® PlayShaper® 111399H).....	1,149.55	27.60
11 68 13 00-0261	EA	82"/48" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398A).....	276.17	13.79
11 68 13 00-0262	EA	74"/40" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398B).....	263.19	13.79
11 68 13 00-0263	EA	66"/32" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398C).....	243.71	13.79
11 68 13 00-0264	EA	58"/24" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398D).....	237.22	13.79
11 68 13 00-0265	EA	50"/16" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398E).....	230.73	13.79
11 68 13 00-0266	EA	42"/8" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398F).....	224.24	13.79
11 68 13 00-0267	EA	128"/SpyroSlide/SlideWinder2 Off 48" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397A).....	436.58	82.79
11 68 13 00-0268	EA	114"/48" Deck/SlideWinder2 Off 40" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397B).....	410.61	82.79
11 68 13 00-0269	EA	106"/40" Deck/SlideWinder2 Off 32" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397C).....	404.12	82.79
11 68 13 00-0270	EA	98"/32" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397D).....	282.66	13.79
11 68 13 00-0271	EA	90"/24" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397E).....	276.17	13.79
11 68 13 00-0272	EA	82"/16" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397F).....	263.19	13.79
11 68 13 00-0273	EA	74"/8" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397G).....	243.71	13.79
11 68 13 00-0274	EA	69"/Ground Level, Post For Decks (Landscape Structures® PlayShaper® 111397H).....	237.22	13.79
11 68 13 00-0275	EA	145"/SpyroSlide, Post For Roofs (Landscape Structures® PlayShaper® 111396A).....	328.10	13.79
11 68 13 00-0276	EA	137"/48" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396B).....	321.61	13.79
11 68 13 00-0277	EA	129"/40" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396C).....	302.13	13.79
11 68 13 00-0278	EA	121"/32" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396D).....	295.64	13.79
11 68 13 00-0279	EA	113"/24" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396E).....	289.15	13.79
11 68 13 00-0280	EA	105"/16" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396F).....	276.17	13.79
11 68 13 00-0281	EA	97"/8" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396G).....	263.19	13.79
11 68 13 00-0282	EA	89"/Ground Level, Post For Roofs (Landscape Structures® PlayShaper® 111396H).....	243.71	13.79
11 68 13 00-0283	EA	Learning Wall Arch For 10" Panel Height, With Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208A).....	1,393.57	91.14
11 68 13 00-0284	EA	Learning Wall Arch For 1" Panel Height, With Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208B).....	1,375.36	89.96
11 68 13 00-0285	EA	Learning Wall Arch For 10" Panel Height Without Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208C).....	1,120.34	73.30
11 68 13 00-0286	EA	Learning Wall Arch For 1" Panel Height Without Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208D).....	1,102.09	72.08
11 68 13 00-0287	EA	Learning Wall Post For 10" Panel Height (Landscape Structures® PlayShaper® 115201A).....	227.71	14.90
11 68 13 00-0288	EA	Learning Wall Post For 1" Panel Height (Landscape Structures® PlayShaper® 115201B).....	218.60	14.31
11 68 13 00-0289	EA	Learning Wall Post For Poly Roof With 10" Panel Height (Landscape Structures® PlayShaper® 115203A).....	247.74	16.19
11 68 13 00-0290	EA	Learning Wall Post For Poly Roof With 1" Panel Height (Landscape Structures® PlayShaper® 115203B).....	236.81	15.49
11 68 13 00-0291	EA	The Peak Natural Climber, 40" Deck (Landscape Structures® PlayShaper® 160423A).....	6,182.67	137.97
11 68 13 00-0292	EA	The Stepper Natural Climbing Stone, 24" Deck (Landscape Structures® PlayShaper® 160424A).....	3,279.86	82.79

**11 68 13 00-0293 Playground Equipment (Landscape Structures® Independent Pieces)** (11 68 13 00-0293)

11 68 13 00-0294	EA	9-Blocks, Block Climber (Landscape Structures® 117966A).....	2,586.37	137.97
11 68 13 00-0295	EA	12-Blocks, Block Climber (Landscape Structures® 117966B).....	2,943.41	137.97
11 68 13 00-0296	EA	116-Blocks, Block Climber (Landscape Structures® 117966C).....	3,619.08	165.57
11 68 13 00-0297	EA	Spider Web Climber, CableCore Climbing Cable (Direct Bury Only) (Landscape Structures® 136159A).....	2,728.64	110.38
11 68 13 00-0298	EA	6-Panels, Cascade Climber (Direct Bury Only) (Landscape Structures® 150976A).....	4,544.07	183.97
11 68 13 00-0299	EA	4-Panels, Cascade Climber (Direct Bury Only) (Landscape Structures® 150977A).....	3,091.60	82.79
11 68 13 00-0300	EA	Star Seeker Climber, Net Climber (Direct Bury Only) (Landscape Structures® 148041A).....	8,236.19	248.36
11 68 13 00-0301	EA	Funnel Climber, Net Climber With 2 Vertical Ladders, (6) Aluminum Posts (Landscape Structures® 144477A).....	7,481.52	165.57
11 68 13 00-0302	EA	Funnel Climber, Net Climber Without Vertical Ladders, (4) Aluminum Posts (Landscape Structures® 144477B).....	5,488.08	137.97
11 68 13 00-0303	EA	Funnel Climber, Net Climber With 1 Vertical Ladder, (5) Aluminum Posts (Landscape Structures® 144477C).....	6,484.80	151.78
11 68 13 00-0304	EA	Funnel Climber, Net Climber With 3 Vertical Ladders, (7) Aluminum Posts (Landscape Structures® 144477D).....	8,478.23	179.37
11 68 13 00-0305	EA	Funnel Climber, Net Climber With 4 Vertical Ladders, (8) Aluminum Posts (Landscape Structures® 144477E).....	9,474.96	193.17
11 68 13 00-0306	EA	Funnel Climber, Net Climber With 2 Vertical Ladders, (6) Steel Posts (Landscape Structures® 144477F).....	7,286.78	165.57
11 68 13 00-0307	EA	Funnel Climber, Net Climber Without Vertical Ladders, (4) Steel Posts (Landscape Structures® 144477G).....	5,358.24	137.97
11 68 13 00-0308	EA	Funnel Climber, Net Climber With 1 Vertical Ladder, (5) Steel Posts (Landscape Structures® 144477H).....	6,322.51	151.78
11 68 13 00-0309	EA	Funnel Climber, Net Climber With 3 Vertical Ladders, (7) Steel Posts (Landscape Structures® 144477I).....	8,251.03	179.37
11 68 13 00-0310	EA	Funnel Climber, Net Climber With 4 Vertical Ladders, (8) Steel Posts (Landscape Structures® 144477J).....	9,215.30	193.17
11 68 13 00-0311	EA	8", Pod Climber, One Pod Only (Landscape Structures® 120710A).....	287.66	23.00
11 68 13 00-0312	EA	16", Pod Climber, One Pod Only (Landscape Structures® 120711A).....	294.15	23.00
11 68 13 00-0313	EA	24", Pod Climber, One Pod Only (Landscape Structures® 120712A).....	300.64	23.00
11 68 13 00-0314	EA	30", Pod Climber, One Pod Only (Landscape Structures® 120713A).....	307.13	23.00
11 68 13 00-0315	EA	Track Ride Curved (Landscape Structures® 118093A).....	3,058.61	55.19
11 68 13 00-0316	EA	18' Curved Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121874A).....	4,560.35	165.57
11 68 13 00-0317	EA	18' Curved Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121874B).....	4,430.52	165.57
11 68 13 00-0318	EA	10' Straight Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121648A).....	3,807.34	165.57
11 68 13 00-0319	EA	10' Straight Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121648B).....	3,547.68	165.57
11 68 13 00-0320	EA	18' Straight Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121875A).....	3,969.62	165.57
11 68 13 00-0321	EA	18' Straight Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121875B).....	3,839.79	165.57
11 68 13 00-0322	EA	Playstructure Seat, TenderTuff-coated Brown (Landscape Structures® 120818A).....	364.07	27.60
11 68 13 00-0323	EA	Kids In Motion, Sway Fun Glider, Brown Deck Only (Landscape Structures® 138871A).....	13,852.98	331.14
11 68 13 00-0324	EA	CoolToppers Shade System, Full Sail, (Direct Bury Only) (Landscape Structures® 136759A).....	11,746.56	496.72
11 68 13 00-0325	EA	CoolToppers Shade System, Single Post, (Direct Bury Only) (Landscape Structures® 154397A).....	3,822.52	275.96
11 68 13 00-0326	EA	CoolToppers Shade System, Single Post With Cool Mister, (Direct Bury Only) (Landscape Structures® 155071A).....	4,922.77	110.38
11 68 13 00-0327	EA	CoolToppers Shade System, Single Post With Cool Mister, (Direct Bury Only) (Landscape Structures® 155072A).....	7,860.23	275.96
11 68 13 00-0328	EA	Turtle Sand Table, (2-Color Permalene), (Direct Bury Only) (Landscape Structures® 116568A).....	479.44	36.79
11 68 13 00-0329	EA	Straight Crawl Tunnel (Landscape Structures® 100005A).....	1,572.59	82.79
11 68 13 00-0330	EA	Curved Crawl Tunnel (Landscape Structures® 100005D).....	2,020.51	82.79
11 68 13 00-0331	EA	4' Square, SanDirect Buryoxe (Landscape Structures® 120458A).....	358.68	82.79
11 68 13 00-0332	EA	SanDirect Buryoxe, Play Table Only (Landscape Structures® 120894A).....	540.44	82.79
11 68 13 00-0333	EA	8' Square, SanDirect Buryoxe Without Play Table (Landscape Structures® 120458B).....	723.87	165.57
11 68 13 00-0334	EA	8' Square, SanDirect Buryoxe With Play Table, (Direct Bury Only) (Landscape Structures® 120458C).....	1,119.86	165.57



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0335	EA	8' L-Shaped, SanDirect Buryoxe Without Play Table (Landscape Structures® 120458D) .....	723.87	165.57
11 68 13 00-0336	EA	8' L-Shaped, SanDirect Buryoxe With Play Table, (Direct Bury Only) (Landscape Structures® 120458E) .....	1,119.86	165.57
11 68 13 00-0337	EA	Splash Circuit Sand And Water Station, Direct Bury (Landscape Structures® 126202A).....	3,834.39	220.76
11 68 13 00-0338	EA	Splash Circuit Sand And Water Station, Surface Mount (Landscape Structures® 126202B).....	3,774.88	165.57
11 68 13 00-0339	EA	Talk Tubes, Complete With (2) 2-3/8" Square Aluminum Posts, Ground Level, (Direct Bury Only) (Landscape Structures® 113931A).....	1,696.49	110.38
11 68 13 00-0340	EA	Clear Paint Panel, Surface Mount (Landscape Structures® 112621A) .....	701.63	27.60
11 68 13 00-0341	EA	Clear Paint Panel, Direct Bury (Landscape Structures® 112621B).....	594.80	41.39
11 68 13 00-0342	EA	Dino Climber, Direct Bury (Landscape Structures® 100122A) .....	10,325.89	220.76
11 68 13 00-0343	EA	Dino Climber, Surface Mount (Landscape Structures® 100122B).....	10,792.73	193.17
11 68 13 00-0344	EA	Sand Table, (3) Steel Posts, Direct Bury (Landscape Structures® 136233B).....	2,762.20	165.57
11 68 13 00-0345	EA	Sand Table, (3) Aluminum Posts, Direct Bury (Landscape Structures® 136233A) .....	2,833.61	165.57
11 68 13 00-0346	EA	Wiggle Worm Craw Tunnel With 2-Color Permalene Head (Landscape Structures® 120418A) .....	3,397.81	137.97
11 68 13 00-0347	EA	Wiggle Worm Craw Tunnel Without 2-Color Permalene Head (Landscape Structures® 120418B) .....	2,371.61	110.38
11 68 13 00-0348	EA	Kids In Motion, Saddle Spinner (Landscape Structures® 152179A) .....	1,039.19	27.60
11 68 13 00-0349	EA	Kids In Motion, Log Roll With Aluminum Posts (Landscape Structures® 100027A).....	1,520.12	55.19
11 68 13 00-0350	EA	Kids In Motion, Log Roll, Tan Log Only, (2) Steel Posts (Landscape Structures® 100027B).....	1,455.21	55.19
11 68 13 00-0351	EA	Kids In Motion, Spring Pod Bouncer, Sold Individually Per Pod (Landscape Structures® 120876A) .....	398.01	23.00
11 68 13 00-0352	EA	Kids In Motion, SpringRing Bouncer, (Brown Ring Only, Avail. for Direct Bury Only) (Landscape Structures® 117961A).....	5,398.84	220.76
11 68 13 00-0353	EA	Kids In Motion, Spring Platform With Handhold, Brown Platform, Tan Handhold* (Landscape Structures® 125059A).....	1,820.94	165.57
11 68 13 00-0354	EA	Kids In Motion, Spring Platform Without Handhold, Brown Platform* (Landscape Structures® 125059B).....	1,691.11	165.57
11 68 13 00-0355	EA	Kids In Motion, Spring Platform With Post, Brown Platform, Tan Post* (Landscape Structures® 125059C).....	2,171.48	165.57
11 68 13 00-0356	EA	Kids In Motion, Stand-Up Spinner, (Direct Bury Only) (Landscape Structures® 155077A).....	1,539.03	27.60
11 68 13 00-0357	EA	Orbiter Spinner, Steel Post, (Avail. for Direct Bury Only) (Landscape Structures® 153589A).....	2,098.40	82.79
11 68 13 00-0358	EA	Orbiter2 Spinner, Steel Post, (Avail. for Direct Bury Only) (Landscape Structures® 154358A) .....	3,825.70	110.38
11 68 13 00-0359	EA	Orbiter3 Spinner, Steel Post, (Direct Bury Only) (Landscape Structures® 154359A).....	5,546.50	137.97
11 68 13 00-0360	EA	Stand-Up Seesaw, Direct Bury (Landscape Structures® 148638A) .....	2,247.17	55.19
11 68 13 00-0361	EA	Stand-Up Seesaw, Surface Mount (Landscape Structures® 148638B).....	1,929.08	55.19
11 68 13 00-0362	EA	2-Seat Seesaw, Direct Bury, Without Color Options On Permalene (Landscape Structures® 148636A).....	2,493.85	55.19
11 68 13 00-0363	EA	2-Seat Seesaw, Surface Mount, Without Color Options On Permalene (Landscape Structures® 148636B).....	2,143.30	55.19
11 68 13 00-0364	EA	4-Seat Seesaw, Direct Bury, Without Color Options On Permalene (Landscape Structures® 148637A).....	3,026.15	55.19
11 68 13 00-0365	EA	4-Seat Seesaw, Surface Mount, Without Color Options On Permalene (Landscape Structures® 148637B).....	2,688.59	55.19
11 68 13 00-0366	EA	Seesaw Back Support, With Seat Strap* (Landscape Structures® 148706A) .....	284.13	9.20
11 68 13 00-0367	EA	Seesaw Back Support, without Seat Strap (Landscape Structures® 148706B).....	232.20	9.20
11 68 13 00-0368	EA	Stationary Cycler, SuperScoop, (Direct Bury Only) (Landscape Structures® 123831A) .....	1,017.30	68.99
11 68 13 00-0369	EA	Stationary Cycler, SuperScoop, Wheelchair-Accessible, Surface Mount (Landscape Structures® 123832A) .....	932.36	41.39
11 68 13 00-0370	EA	Stationary Cycler, SuperScoop, Wheelchair-Accessible, Direct Bury (Landscape Structures® 123832B).....	939.40	68.99
11 68 13 00-0371	EA	Motorcycle TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100013B).....	1,403.81	82.79
11 68 13 00-0372	EA	Motorcycle Back Supports With Seat Strap (Landscape Structures® 123711A).....	225.71	9.20
11 68 13 00-0373	EA	Motorcycle Back Supports Without Seat Strap (Landscape Structures® 123711B).....	186.76	9.20
11 68 13 00-0374	EA	Turtle TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100014B).....	1,186.08	68.99
11 68 13 00-0375	EA	Bird TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100015B).....	1,189.59	82.79
11 68 13 00-0376	EA	Horse TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100015B) .....	1,176.61	82.79
11 68 13 00-0377	EA	Car TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100017B).....	1,403.81	82.79
11 68 13 00-0378	EA	RhinoDino TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100123B).....	1,173.09	68.99
11 68 13 00-0379	EA	T-Rex TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100124B).....	1,176.61	82.79
11 68 13 00-0380	EA	2-Seat Airplane Rider TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 120871A).....	1,777.35	96.58
11 68 13 00-0381	EA	2-Seat Airplane Rider TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 120871B).....	1,884.18	82.79
11 68 13 00-0382	EA	2-Seat Fire Engine Rider TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 126378A).....	1,602.08	96.58
11 68 13 00-0383	EA	2-Seat Fire Engine Rider TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 126378B).....	1,702.42	82.79
11 68 13 00-0384	EA	Motorcycle TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100013A).....	1,212.04	68.99
11 68 13 00-0385	EA	Turtle TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100014A) .....	987.82	55.19
11 68 13 00-0386	EA	Bird TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100015A).....	991.33	68.99
11 68 13 00-0387	EA	Horse TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100016A).....	978.35	68.99
11 68 13 00-0388	EA	Car TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100017A).....	1,212.04	68.99
11 68 13 00-0389	EA	RhinoDino TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100123A).....	981.33	55.19
11 68 13 00-0390	EA	T-Rex TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100124A).....	978.35	68.99
11 68 13 00-0391	EA	Zebra Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135534B).....	1,244.50	68.99
11 68 13 00-0392	EA	Sea Horse Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135535B).....	1,335.38	68.99
11 68 13 00-0393	EA	Dolphin Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135536B).....	1,270.47	68.99
11 68 13 00-0394	EA	Zebra Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135534A) .....	1,059.22	55.19
11 68 13 00-0395	EA	Sea Horse Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135535A).....	1,143.61	55.19
11 68 13 00-0396	EA	Dolphin Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135536A).....	1,085.19	55.19
11 68 13 00-0397	EA	SpyroSlide, Poly, 72" Deck (Landscape Structures® 115366A).....	7,867.82	331.14
11 68 13 00-0398	EA	40" Poly Slide, 40" Deck (Landscape Structures® 100046A).....	4,248.20	137.97
11 68 13 00-0399	EA	Wave Poly Slide, 72" Deck (Landscape Structures® 100046C).....	5,169.99	137.97
11 68 13 00-0400	EA	Fire Engine, Colors As Shown Only, (Direct Bury Only) (Landscape Structures® 148640A).....	15,538.70	551.90
11 68 13 00-0401	EA	Double Humpty Climber (Direct Bury Only) (Landscape Structures® 100037A) .....	2,650.74	110.38
11 68 13 00-0402	EA	Single Humpty Climber (Direct Bury Only) (Landscape Structures® 100037B).....	1,429.78	82.79
11 68 13 00-0403	EA	12-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150638A) .....	29,482.57	883.05
11 68 13 00-0404	EA	7-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150637A).....	16,047.23	662.29
11 68 13 00-0405	EA	6-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150636A).....	14,482.78	662.29
11 68 13 00-0406	EA	3-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150635A).....	7,021.72	220.76
11 68 13 00-0407	EA	4', Rainbow Climber (Direct Bury Only) (Landscape Structures® 100038A).....	1,003.77	41.39
11 68 13 00-0408	EA	6', Rainbow Climber (Direct Bury Only) (Landscape Structures® 100038B).....	1,127.10	41.39
11 68 13 00-0409	EA	Sky Rail Climber, Independent Climber (Direct Bury Only) (Landscape Structures® 146813A).....	3,547.68	165.57
11 68 13 00-0410	EA	4'-High, Vertical Pipe Climber (Direct Bury Only) (Landscape Structures® 100040A).....	744.11	41.39
11 68 13 00-0411	EA	6'-High, Vertical Pipe Climber (Direct Bury Only) (Landscape Structures® 100040B).....	809.02	41.39
11 68 13 00-0412	EA	Arch Belt Swing, 2-Place, TenderTuff-coated Chain (Landscape Structures® 100050A).....	3,352.72	220.76

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment And Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0413 EA Arch Belt Swing, 2-Place, Uncoated Chain (Landscape Structures® 100050C).....	3,243.66	220.76
11 68 13 00-0414 EA Arch Swing, Additional 2 PL Bay, TenderTuff-coated Chain (Landscape Structures® 111579A).....	2,143.10	110.38
11 68 13 00-0415 EA Arch Swing, Additional 2 PL Bay, Uncoated Chain (Landscape Structures® 111579C).....	2,034.05	110.38
11 68 13 00-0416 EA Single Post Swing, 2-Place, Uncoated Chain (Landscape Structures® 122837A).....	1,671.63	165.57
11 68 13 00-0417 EA Single Post Swing, 2-Place, TenderTuff-coated Chain (Landscape Structures® 122837B).....	1,780.69	165.57
11 68 13 00-0418 EA Single Post Swing, Additional 2 PL Bay, Uncoated Chain (Landscape Structures® 122838A).....	1,241.53	82.79
11 68 13 00-0419 EA Single Post Swing, Additional 2 PL Bay, TenderTuff-coated Chain (Landscape Structures® 122838B).....	1,350.58	82.79
11 68 13 00-0420 EA Single Post Swing, 2-Place, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 140769A).....	1,950.77	165.57
11 68 13 00-0421 EA Single Post Swing, 2-Place, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 140769B).....	2,059.82	165.57
11 68 13 00-0422 EA Single Post Swing, Additional 2 PL Bay, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 140770A).....	1,520.66	82.79
11 68 13 00-0423 EA Single Post Swing, Additional 2 PL Bay, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 140770B).....	1,629.72	82.79
11 68 13 00-0424 EA Toddler Swing Add-On, With (1) Full-Bucket Seat, Without Post (Landscape Structures® 151852A).....	779.53	27.60
11 68 13 00-0425 EA Arch Tire Swing, TenderTuff-coated Chain (Landscape Structures® 120891A).....	3,879.83	220.76
11 68 13 00-0426 EA Additional Bay, Arch Tire Swing, TenderTuff-coated Chain (Landscape Structures® 139188A).....	2,767.59	110.38
11 68 13 00-0427 EA 4-Post Tire Swing, TenderTuff-coated Chain, (4) Posts With Crossovers, Steel Beam And Posts (Landscape Structures® 120892B).....	3,503.32	220.76
11 68 13 00-0428 EA Additional Bay, 4-Post Tire Swing, TenderTuff-coated Chain, (2) Posts With Crossover, Steel Beam And Posts (Landscape Structures® 141458B).....	2,300.20	110.38
11 68 13 00-0429 EA Toddler Swing, With (2) Full-Bucket Seats (Landscape Structures® 117962B).....	1,741.93	110.38
11 68 13 00-0430 EA Curved Balance Beam (Landscape Structures® 100041A).....	752.08	36.79
11 68 13 00-0431 EA Drop Shot, (Direct Bury Only) (Landscape Structures® 100042A).....	1,322.40	68.99
11 68 13 00-0432 EA Basketball Outfit, 6' Offset, Fan Permalene Backboard, Chain Net (Landscape Structures® 116947A).....	2,858.47	110.38
11 68 13 00-0433 EA Basketball Outfit, 6' Offset, Rectangular Permalene Backboard, Chain Net (Landscape Structures® 116947B).....	3,209.01	110.38
11 68 13 00-0434 EA Basketball Outfit, 6' Offset, Fan Permalene Backboard, Nylon Net (Landscape Structures® 116947C).....	2,851.98	110.38
11 68 13 00-0435 EA Basketball Outfit, 6' Offset, Rectangular Permalene Backboard, Nylon Net (Landscape Structures® 116947D).....	3,202.52	110.38
11 68 13 00-0436 EA FitCore Outdoor Fitness Equipment With Aluminum Posts, (Direct Bury Only) (Landscape Structures® 123722A).....	13,626.05	993.43
11 68 13 00-0437 EA FitCore Outdoor Fitness Equipment With Steel Posts, (Direct Bury Only) (Landscape Structures® 123722B).....	13,197.61	993.43
11 68 13 00-0438 EA Fitness Cluster With Steel Posts (Landscape Structures® 120874B).....	8,510.60	662.29
11 68 13 00-0439 EA Fitness Cluster With Aluminum Posts (Landscape Structures® 120874A).....	8,692.36	662.29
11 68 13 00-0440 EA Aluminum Posts, Climbing Wall (Landscape Structures® 153354A).....	1,962.64	110.38
11 68 13 00-0441 EA Steel Posts, Climbing Wall (Landscape Structures® 153354B).....	1,897.73	110.38
11 68 13 00-0442 EA 30' Galvanized Stake, TuffTimber Edgers (Landscape Structures® 100626A).....	15.64	4.60
11 68 13 00-0443 EA TuffTimber, 4' Length, TuffTimber Edgers, Black Only (Landscape Structures® 119214A).....	53.34	4.60
11 68 13 00-0444 EA TuffTimbers Access Wedge, TuffTimber Edgers, Black Only (Landscape Structures® 130799A).....	745.03	9.20
11 68 13 00-0445 EA Age Appropriate Fitness Sign, Ages 12 And Over (Landscape Structures® 114483A).....	399.51	13.79
11 68 13 00-0446 EA Age Appropriate Fitness Sign, Ages 5 to 12 (Landscape Structures® 114483A).....	399.51	13.79
11 68 13 00-0447 EA Accessible Playground Sign, With 2-3/8" Post (Landscape Structures® 100103A).....	373.54	13.79
11 68 13 00-0448 EA Age Appropriate Sign, With PlayShaper Posts, Optional Name* (Landscape Structures® 100104A).....	782.51	13.79
11 68 13 00-0449 EA Age Appropriate Sign, With PlayShaper Posts, 2 - 5 Years* (Landscape Structures® 100105A).....	659.17	13.79
11 68 13 00-0450 EA Age Appropriate Sign, With PlayShaper Posts, 5 - 12 Years* (Landscape Structures® 100106A).....	659.17	13.79
11 68 13 00-0451 EA Flat Molded Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 100052A).....	219.22	9.20
11 68 13 00-0452 EA Molded Bucket Seat (Specify Color), Swing Accessories (Excludes Chain) (Landscape Structures® 100054A).....	532.85	27.60
11 68 13 00-0453 EA Full-Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 100055A).....	276.17	13.79
11 68 13 00-0454 EA Half-Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 112228A).....	263.19	13.79
11 68 13 00-0455 EA Slash-Proof Belt Seat, Swing Accessories (Landscape Structures® 132385A).....	82.90	9.20
11 68 13 00-0456 EA Seat Strap for Molded Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 111416A).....	77.70	9.20
11 68 13 00-0457 LF TuffTurf Geotextile Fabric, (12 1/2' Wide Roll), Order an Additional 20% for Overlap/Waste, per LF (Landscape Structures® 109694A).....	5.87	1.38
11 68 13 00-0458 EA TuffTurf Adhesive 10.6 oz. Tube, (Approximate Coverage: 3 Tiles per Tube) (Landscape Structures® 114513A).....	9.41	
11 68 13 00-0459 EA Rider, Direct Bury Leg, Concrete, (Direct Bury Only) (Landscape Structures® 115381A).....	198.27	13.79
11 68 13 00-0460 EA Mesh SanDirect Buryox Cover, 4' Square (Landscape Structures® 120530A).....	63.42	6.90
11 68 13 00-0461 EA Mesh SanDirect Buryox Cover, 8' Square (Landscape Structures® 120530B).....	230.73	13.79
11 68 13 00-0462 EA Mesh SanDirect Buryox Cover, 8' L-Shaped (Landscape Structures® 120530C).....	191.78	13.79
11 68 13 00-0463 EA 4-Post Tire Swing, TenderTuff-coated Chain, (4) Posts With Crossovers, Steel Beam And Aluminum Posts (Landscape Structures® 120892A).....	3,449.19	110.38
11 68 13 00-0464 EA TuffTurf Tiles - 3' x 3' x 1-1/2", Square (Landscape Structures® 122868A).....	121.85	6.90
11 68 13 00-0465 EA TuffTurf Tiles - 3' x 3' x 1-1/2", 1-Bevel (Landscape Structures® 122868B).....	121.85	6.90
11 68 13 00-0466 EA TuffTurf Tiles - 3' x 3' x 1-1/2", 2-Bevel (Landscape Structures® 122868C).....	121.85	6.90
11 68 13 00-0467 EA TuffTurf Tiles - 3' x 3' x 1-1/2", 3-Bevel (Landscape Structures® 122868D).....	121.85	6.90
11 68 13 00-0468 EA TuffTurf Tiles - 3' x 3' x 1-1/2", 4-Bevel (Landscape Structures® 122868E).....	121.85	6.90
11 68 13 00-0469 EA TuffTurf Tiles - 3' x 3' x 1-1/2", Corner Bevel (Landscape Structures® 122868F).....	121.85	6.90
11 68 13 00-0470 EA Rider, 4-Bevel TuffTurf Tile, With Hole, For TuffRiders And Whimsy Riders * (Landscape Structures® 122869A).....	128.34	6.90
11 68 13 00-0471 EA 1-Place, Surge Swing, Uncoated Chain (Landscape Structures® 127680A).....	1,786.27	55.19
11 68 13 00-0472 EA 1-Place, Surge Swing, TenderTuff-coated Chain (Landscape Structures® 127680B).....	1,840.80	55.19
11 68 13 00-0473 EA TuffTurf Adhesive 1 Gallon (Approximate Coverage: 15 Tiles per Gallon) (Landscape Structures® 128036A).....	64.92	
11 68 13 00-0474 EA 1-Place, Surge Swing, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 139910A).....	1,922.59	55.19
11 68 13 00-0475 EA 1-Place, Surge Swing, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 139910B).....	1,977.12	55.19
11 68 13 00-0476 EA Additional Bay, 4-Post Tire Swing, TenderTuff-coated Chain, (2) Posts With Crossover, Steel Beam And Aluminum Posts (Landscape Structures® 141458A).....	2,319.11	82.79
11 68 13 00-0477 EA The Pinnacle Natural Climber (Landscape Structures® 156065A).....	19,176.01	331.14
11 68 13 00-0478 EA The Pointe Natural Climber (Landscape Structures® 156067A).....	10,799.77	220.76
11 68 13 00-0479 EA Hemisphere Climber With Single Arch, Independent Climber (Landscape Structures® 156435A).....	10,799.77	220.76
11 68 13 00-0480 EA 5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157107A).....	1,448.71	55.19
11 68 13 00-0481 EA 5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157107B).....	1,557.77	55.19
11 68 13 00-0482 EA 5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157107C).....	1,617.49	55.19
11 68 13 00-0483 EA 5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157107D).....	1,726.55	55.19



<b>Equipment</b>	<b>11</b>
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>
<b>Play Field Equipment And Structures</b>	<b>11 68</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0484 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157108A) .....	837.95	27.60
11 68 13 00-0485 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157108B) .....	947.01	27.60
11 68 13 00-0486 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157108C) .....	896.38	27.60
11 68 13 00-0487 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157108D) .....	1,005.43	27.60
11 68 13 00-0488 EA 5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157109A) .....	1,513.63	55.19
11 68 13 00-0489 EA 5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157109B) .....	1,679.81	55.19
11 68 13 00-0490 EA 5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157109C) .....	1,682.41	55.19
11 68 13 00-0491 EA 5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157109D) .....	1,848.59	55.19
11 68 13 00-0492 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157110A) .....	889.89	27.60
11 68 13 00-0493 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157110B) .....	1,102.07	55.19
11 68 13 00-0494 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157110C) .....	948.31	27.60
11 68 13 00-0495 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157110D) .....	1,160.49	55.19
11 68 13 00-0496 EA 5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157111A) .....	1,578.54	55.19
11 68 13 00-0497 EA 5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157111B) .....	1,687.60	55.19
11 68 13 00-0498 EA 5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157111C) .....	1,747.32	55.19
11 68 13 00-0499 EA 5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157111D) .....	1,856.38	55.19
11 68 13 00-0500 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157112A) .....	961.29	27.60
11 68 13 00-0501 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157112B) .....	1,116.35	55.19
11 68 13 00-0502 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157112C) .....	1,019.71	27.60
11 68 13 00-0503 EA 5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157112D) .....	1,174.77	55.19
11 68 13 00-0504 EA 5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157113A) .....	1,643.46	55.19
11 68 13 00-0505 EA 5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157113B) .....	1,809.64	55.19
11 68 13 00-0506 EA 5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157113C) .....	1,812.24	55.19
11 68 13 00-0507 EA 5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157113D) .....	1,978.42	55.19
11 68 13 00-0508 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157114A) .....	1,019.71	27.60
11 68 13 00-0509 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157114B) .....	1,231.90	55.19
11 68 13 00-0510 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157114C) .....	1,124.14	55.19
11 68 13 00-0511 EA 5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157114D) .....	1,290.32	55.19
11 68 13 00-0512 EA Motorcycle TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157286A) .....	1,448.71	55.19
11 68 13 00-0513 EA Motorcycle TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157286B) .....	1,617.49	55.19
11 68 13 00-0514 EA T-Rex TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157287A) .....	1,215.02	55.19
11 68 13 00-0515 EA T-Rex TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157287B) .....	1,390.29	55.19
11 68 13 00-0516 EA Bird TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157288A) .....	1,228.00	55.19
11 68 13 00-0517 EA Bird TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157288B) .....	1,403.27	55.19
11 68 13 00-0518 EA Horse TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157289A) .....	1,215.02	55.19
11 68 13 00-0519 EA Horse TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157289B) .....	1,390.29	55.19
11 68 13 00-0520 EA Car TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157290A) .....	1,448.71	55.19
11 68 13 00-0521 EA Car TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157290B) .....	1,617.49	55.19
11 68 13 00-0522 EA Zebra Whimsy Riders, With Torsion Spring, Surface Mount (Landscape Structures® 157291A) .....	1,325.37	55.19
11 68 13 00-0523 EA Zebra Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157291B) .....	1,481.17	55.19
11 68 13 00-0524 EA Sea Horse Whimsy Riders, With Torsion Spring, Surface Mount (Landscape Structures® 157292A) .....	1,403.27	55.19
11 68 13 00-0525 EA Sea Horse Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157292B) .....	1,572.05	55.19
11 68 13 00-0526 EA Dolphin Whimsy Riders, With Torsion Spring, SM (Landscape Structures® 157293A) .....	1,344.85	55.19
11 68 13 00-0527 EA Dolphin Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157293B) .....	1,507.14	55.19
11 68 13 00-0528 EA Kids In Motion, Wobble Pod Bouncer, (Direct Bury Only) (Landscape Structures® 158105A) .....	1,396.78	55.19
11 68 13 00-0529 EA Chatter Noodle Kit, (2) Noodle Posts And Tubing, (Direct Bury Only) (Landscape Structures® 158106A) .....	1,955.05	55.19
11 68 13 00-0530 EA 8" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108A) .....	961.29	27.60
11 68 13 00-0531 EA 16" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108B) .....	967.78	27.60
11 68 13 00-0532 EA 24" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108C) .....	974.27	27.60
11 68 13 00-0533 EA Single, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426A) .....	1,747.32	55.19
11 68 13 00-0534 EA Double, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426B) .....	3,020.20	82.79
11 68 13 00-0535 EA Triple, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426C) .....	4,578.72	110.38
11 68 13 00-0536 EA Quadruple, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426D) .....	5,708.79	137.97
11 68 13 00-0537 EA 10", Pod Climber, One Pod Only (Landscape Structures® 158997A) .....	276.17	13.79
11 68 13 00-0538 EA 20", Pod Climber, One Pod Only (Landscape Structures® 158998A) .....	289.15	13.79



**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment And Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0539 EA CoolToppers Shade System, Super Pyramid, 30' x 30', 13'-9" Entrance Height, (Direct Bury Only) (Landscape Structures® 159873A).....	10,020.79	220.76
11 68 13 00-0540 EA CoolToppers Shade System, Pyramid, 18' x 18', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881A).....	5,305.76	110.38
11 68 13 00-0541 EA CoolToppers Shade System, Pyramid, 18' x 18', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881B).....	5,449.13	137.97
11 68 13 00-0542 EA CoolToppers Shade System, Pyramid, 18' x 18', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881C).....	5,540.01	137.97
11 68 13 00-0543 EA CoolToppers Shade System, Pyramid, 24' x 24', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882A).....	6,773.39	137.97
11 68 13 00-0544 EA CoolToppers Shade System, Pyramid, 24' x 24', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882B).....	6,864.27	137.97
11 68 13 00-0545 EA CoolToppers Shade System, Pyramid, 24' x 24', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882C).....	6,968.14	137.97
11 68 13 00-0546 EA CoolToppers Shade System, Pyramid, 28' x 28', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883A).....	8,617.54	165.57
11 68 13 00-0547 EA CoolToppers Shade System, Pyramid, 28' x 28', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883B).....	8,721.40	165.57
11 68 13 00-0548 EA CoolToppers Shade System, Pyramid, 28' x 28', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883C).....	8,818.77	165.57
11 68 13 00-0549 EA Stationary Cyclus, Pedals Only, With Grab Bar, With Aluminum Posts (Landscape Structures® 160055A).....	1,591.53	55.19
11 68 13 00-0550 EA Stationary Cyclus, Handles Only, With Aluminum Posts (Landscape Structures® 160055B).....	1,364.32	55.19
11 68 13 00-0551 EA Stationary Cyclus, Pedals And Handles, With Aluminum Posts (Landscape Structures® 160055C).....	2,000.49	55.19
11 68 13 00-0552 EA Stationary Cyclus, Handles Only, Accessible, With Aluminum Posts (Landscape Structures® 160055D).....	1,364.32	55.19
11 68 13 00-0553 EA Stationary Cyclus, Pedals Only, With Grab Bar, With Steel Posts (Landscape Structures® 160055E).....	1,552.58	55.19
11 68 13 00-0554 EA Stationary Cyclus, Handles Only, With Steel Posts (Landscape Structures® 160055F).....	1,325.37	55.19
11 68 13 00-0555 EA Stationary Cyclus, Pedals And Handles, With Steel Posts (Landscape Structures® 160055G).....	1,961.54	55.19
11 68 13 00-0556 EA Stationary Cyclus, Handles Only, Accessible, With Steel Posts (Landscape Structures® 160055H).....	1,325.37	55.19
11 68 13 00-0557 EA Single, Gyro Twister Spinner, Aluminum Posts (Landscape Structures® 160315A).....	2,325.61	82.79
11 68 13 00-0558 EA Single, Gyro Twister Spinner, Steel Posts (Landscape Structures® 160315B).....	2,286.66	82.79
11 68 13 00-0559 EA Double, Gyro Twister Spinner, Aluminum Posts (Landscape Structures® 160316A).....	4,026.94	110.38
11 68 13 00-0560 EA Double, Gyro Twister Spinner, Steel Posts (Landscape Structures® 160316B).....	3,987.99	110.38
11 68 13 00-0561 EA The Peak Natural Climber (Landscape Structures® 160418A).....	5,851.60	137.97
11 68 13 00-0562 EA The Stepper Natural Climbing Stone (Landscape Structures® 160419A).....	2,948.79	82.79
11 68 13 00-0563 EA Double Escalator Climber, Independent Climber, Steel Posts, (Direct Bury Only) (Landscape Structures® 160692A).....	7,292.71	137.97
11 68 13 00-0564 EA HealthBeat Outdoor Fitness System, Chest/Back Press, Direct Bury (Landscape Structures® 161309A).....	5,370.68	110.38
11 68 13 00-0565 EA HealthBeat Outdoor Fitness System, Chest/Back Press, Surface Mount (Landscape Structures® 161309B).....	5,085.05	110.38
11 68 13 00-0566 EA HealthBeat Outdoor Fitness System, Squat Press, Direct Bury (Landscape Structures® 161310A).....	5,370.68	110.38
11 68 13 00-0567 EA HealthBeat Outdoor Fitness System, Squat Press, Surface Mount (Landscape Structures® 161310B).....	5,085.05	110.38
11 68 13 00-0568 EA HealthBeat Outdoor Fitness System, Tai Chi Wheels, Direct Bury (Landscape Structures® 161311A).....	2,877.38	82.79
11 68 13 00-0569 EA HealthBeat Outdoor Fitness System, Tai Chi Wheels, Surface Mount (Landscape Structures® 161311B).....	2,585.27	82.79
11 68 13 00-0570 EA HealthBeat Outdoor Fitness System, Cardio Stepper, Direct Bury (Landscape Structures® 161312A).....	6,714.97	137.97
11 68 13 00-0571 EA HealthBeat Outdoor Fitness System, Cardio Stepper, Surface Mount (Landscape Structures® 161312B).....	6,429.34	137.97
11 68 13 00-0572 EA HealthBeat Outdoor Fitness System, Pull-Up/Dip, Direct Bury (Landscape Structures® 161313A).....	2,585.27	82.79
11 68 13 00-0573 EA HealthBeat Outdoor Fitness System, Pull-Up/Dip, Surface Mount (Landscape Structures® 161313B).....	2,299.64	82.79
11 68 13 00-0574 EA HealthBeat Outdoor Fitness System, Ab Crunch/Leg Lift, Direct Bury (Landscape Structures® 161314A).....	2,513.86	82.79
11 68 13 00-0575 EA HealthBeat Outdoor Fitness System, Ab Crunch/Leg Lift, Surface Mount (Landscape Structures® 161314B).....	2,299.64	82.79
11 68 13 00-0576 EA HealthBeat Outdoor Fitness System, Balance Steps, Direct Bury (Landscape Structures® 161315A).....	3,020.20	82.79
11 68 13 00-0577 EA HealthBeat Outdoor Fitness System, Balance Steps, Surface Mount (Landscape Structures® 161315B).....	3,163.01	82.79
11 68 13 00-0578 EA HealthBeat Outdoor Fitness System, Assisted RoWith Push-Up, Direct Bury (Landscape Structures® 161316A).....	2,371.05	82.79
11 68 13 00-0579 EA HealthBeat Outdoor Fitness System, Assisted RoWith Push-Up, Surface Mount (Landscape Structures® 161316B).....	2,299.64	82.79
11 68 13 00-0580 EA HealthBeat Outdoor Fitness System, Plyometrics, Direct Bury (Landscape Structures® 161317A).....	3,020.20	82.79
11 68 13 00-0581 EA HealthBeat Outdoor Fitness System, Plyometrics, Surface Mount (Landscape Structures® 161317B).....	3,163.01	82.79
11 68 13 00-0582 EA HealthBeat Outdoor Fitness System, Welcome Intro Sign, Direct Bury (Landscape Structures® 161437A).....	1,098.17	55.19
11 68 13 00-0583 EA HealthBeat Outdoor Fitness System, Welcome Intro Sign, Surface Mount (Landscape Structures® 161437B).....	766.55	27.60
11 68 13 00-0584 EA Global Release Sign With Frame (Landscape Structures® 162617A).....	682.16	27.60
11 68 13 00-0585 EA Single, Bobble Riders With Coil Spring, Surface Mount (Landscape Structures® 164074A).....	889.89	27.60
11 68 13 00-0586 EA Single, Bobble Riders With Coil Spring, Direct Bury (Landscape Structures® 164074B).....	1,111.16	55.19
11 68 13 00-0587 EA Double, Bobble Riders With Coil Spring, Surface Mount (Landscape Structures® 164075A).....	1,714.87	55.19
11 68 13 00-0588 EA Double, Bobble Riders With Coil Spring, Direct Bury (Landscape Structures® 164075B).....	1,844.69	55.19
11 68 13 00-0589 EA 16" Pod, Noodle Pod Steps With Two E-Pod Steps, (Direct Bury Only) (Landscape Structures® 164157A).....	1,299.41	55.19
11 68 13 00-0590 EA 24" Pod, Noodle Pod Steps With Two E-Pod Steps, (Direct Bury Only) (Landscape Structures® 164157B).....	1,312.39	55.19
<b>11 68 13 00-0591 Playground Equipment (Landscape Structures® PlayBooster®) <small>(11 68 13 00-0121)</small></b>		
11 68 13 00-0592 EA 116" Aluminum Posts, End Vertical Ladder (Landscape Structures® PlayBooster® 111273A).....	1,208.53	55.19
11 68 13 00-0593 EA Log Roll, (1) Aluminum Post, Tan Log Only (Landscape Structures® PlayBooster® 111356A).....	1,299.41	55.19
11 68 13 00-0594 EA Chinning Bar, (1) Aluminum Post (Landscape Structures® PlayBooster® 111357A).....	513.38	27.60
11 68 13 00-0595 EA Turning Bar, (1) Aluminum Post (Landscape Structures® PlayBooster® 111357B).....	487.41	27.60
11 68 13 00-0596 EA 182"/72" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403A).....	399.51	13.79
11 68 13 00-0597 EA 174"/64" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403B).....	393.02	13.79
11 68 13 00-0598 EA 166"/56" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403C).....	373.54	13.79
11 68 13 00-0599 EA 158"/48" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403D).....	367.05	13.79
11 68 13 00-0600 EA 150"/40" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403E).....	347.58	13.79
11 68 13 00-0601 EA 142"/32" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403F).....	341.08	13.79
11 68 13 00-0602 EA 134"/24" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403G).....	328.10	13.79
11 68 13 00-0603 EA 126"/16" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403H).....	321.61	13.79
11 68 13 00-0604 EA 118"/8" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403J).....	302.13	13.79
11 68 13 00-0605 EA 110"/Ground Level, Posts For Roofs (Landscape Structures® PlayBooster® 111403J).....	295.64	13.79
11 68 13 00-0606 EA 148"/72" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404A).....	347.58	13.79



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0607	EA			140"/64" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404B).....	334.59	13.79
11 68 13 00-0608	EA			132"/56" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404C).....	328.10	13.79
11 68 13 00-0609	EA			124"/48" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404D).....	321.61	13.79
11 68 13 00-0610	EA			116"/40" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404E).....	302.13	13.79
11 68 13 00-0611	EA			108"/32" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404F).....	295.64	13.79
11 68 13 00-0612	EA			100"/24" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404G).....	289.15	13.79
11 68 13 00-0613	EA			92"/16" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404H).....	276.17	13.79
11 68 13 00-0614	EA			84"/8" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404I).....	263.19	13.79
11 68 13 00-0615	EA			76"/Ground Level, Posts For Decks (Landscape Structures® PlayBooster® 111404J).....	243.71	13.79
11 68 13 00-0616	EA			106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405A).....	480.92	27.60
11 68 13 00-0617	EA			98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405B).....	461.45	27.60
11 68 13 00-0618	EA			90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405C).....	441.97	27.60
11 68 13 00-0619	EA			82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405D).....	406.00	13.79
11 68 13 00-0620	EA			74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405E).....	399.51	13.79
11 68 13 00-0621	EA			66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405F).....	386.52	13.79
11 68 13 00-0622	EA			58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405G).....	367.05	13.79
11 68 13 00-0623	EA			50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405H).....	360.56	13.79
11 68 13 00-0624	EA			42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405I).....	347.58	13.79
11 68 13 00-0625	EA			CloudDirect Buryurst Triple Poly Slide, 64" - 72" Deck (Landscape Structures® PlayBooster® 144414A).....	3,992.45	91.99
11 68 13 00-0626	EA			TurboTwister Tunnel Slide, 96" Deck, Excludes Posts (Landscape Structures® PlayBooster® 123763A).....	5,003.42	248.36
11 68 13 00-0627	EA			Double Poly Slide, 32" Deck (Landscape Structures® PlayBooster® 123331A).....	1,672.94	68.99
11 68 13 00-0628	EA			Double Poly Slide, 40" - 48" Deck (Landscape Structures® PlayBooster® 123331B).....	1,861.19	68.99
11 68 13 00-0629	EA			Double Swoosh Poly Slide, 64" - 72" Deck (Landscape Structures® PlayBooster® 130390A).....	2,156.83	82.79
11 68 13 00-0630	EA			40" Deck, El Slide (Landscape Structures® PlayBooster® 126368A).....	2,658.16	78.18
11 68 13 00-0631	EA			48" Deck, El Slide (Landscape Structures® PlayBooster® 126368B).....	3,033.18	82.79
11 68 13 00-0632	EA			56" Deck, El Slide (Landscape Structures® PlayBooster® 126368C).....	3,214.94	82.79
11 68 13 00-0633	EA			64" Deck, El Slide (Landscape Structures® PlayBooster® 126368D).....	3,602.96	91.99
11 68 13 00-0634	EA			72" Deck, El Slide (Landscape Structures® PlayBooster® 126368E).....	3,778.23	91.99
11 68 13 00-0635	EA			96" Deck, El Slide, Excludes Posts (Landscape Structures® PlayBooster® 126368F).....	5,057.60	119.58
11 68 13 00-0636	EA			Firepole With Permalene® Handholds 32"-48" Deck (Landscape Structures® PlayBooster® 148426A).....	747.63	55.19
11 68 13 00-0637	EA			Firepole With Permalene® Handholds 56"-72" Deck (Landscape Structures® PlayBooster® 148426B).....	767.11	55.19
11 68 13 00-0638	EA			Firepole With SteelX® Handholds 32"-48" Deck (Landscape Structures® PlayBooster® 148435A).....	1,033.26	55.19
11 68 13 00-0639	EA			Firepole With SteelX® Handholds 56"-72" Deck (Landscape Structures® PlayBooster® 148435B).....	1,065.71	55.19
11 68 13 00-0640	EA			32" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800A).....	3,956.64	165.57
11 68 13 00-0641	EA			40" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800B).....	4,592.81	165.57
11 68 13 00-0642	EA			48" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800C).....	4,962.82	165.57
11 68 13 00-0643	EA			56" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800D).....	5,833.77	220.76
11 68 13 00-0644	EA			64" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800E).....	5,983.08	220.76
11 68 13 00-0645	EA			72" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800F).....	7,034.70	220.76
11 68 13 00-0646	EA			96" Deck, Gemini SlideWinder2, Excludes Posts (Landscape Structures® PlayBooster® 130800G).....	8,275.69	275.96
11 68 13 00-0647	EA			40" Deck, Rollerslide (Landscape Structures® PlayBooster® 123333A).....	6,633.54	124.18
11 68 13 00-0648	EA			56" Deck, Rollerslide (Landscape Structures® PlayBooster® 123333B).....	8,347.86	151.78
11 68 13 00-0649	EA			Single Poly Slide, 40" - 48" Deck (Landscape Structures® PlayBooster® 123337A).....	1,429.24	55.19
11 68 13 00-0650	EA			32" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863A).....	1,884.18	82.79
11 68 13 00-0651	EA			40" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863B).....	2,111.39	82.79
11 68 13 00-0652	EA			48" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863C).....	2,364.55	82.79
11 68 13 00-0653	EA			56" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863D).....	2,663.72	110.38
11 68 13 00-0654	EA			64" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863E).....	2,780.57	110.38
11 68 13 00-0655	EA			72" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863F).....	3,196.03	110.38
11 68 13 00-0656	EA			96" Deck, SlideWinder2, Excludes Posts (Landscape Structures® PlayBooster® 124863G).....	3,813.27	137.97
11 68 13 00-0657	EA			72" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033A).....	5,674.46	206.96
11 68 13 00-0658	EA			72" Slide, With Hanger Bracket, 64" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033B).....	5,925.60	188.57
11 68 13 00-0659	EA			56" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033C).....	5,129.18	206.96
11 68 13 00-0660	EA			56" Slide, With Hanger Bracket, 48" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033D).....	5,360.84	188.57
11 68 13 00-0661	EA			32" - 40" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340A).....	2,042.96	68.99
11 68 13 00-0662	EA			48" - 56" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340B).....	2,231.21	68.99
11 68 13 00-0663	EA			64" - 72" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340C).....	2,776.50	68.99
11 68 13 00-0664	EA			32" - 40" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945A).....	2,270.16	68.99
11 68 13 00-0665	EA			48" - 56" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945B).....	2,458.41	68.99
11 68 13 00-0666	EA			64" - 72" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945C).....	3,016.68	68.99
11 68 13 00-0667	EA			32" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367A).....	2,315.60	68.99
11 68 13 00-0668	EA			40" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367B).....	2,458.41	68.99
11 68 13 00-0669	EA			48" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367C).....	2,833.44	78.18
11 68 13 00-0670	EA			56" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367D).....	2,994.23	82.79
11 68 13 00-0671	EA			64" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367E).....	3,357.75	82.79
11 68 13 00-0672	EA			72" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367F).....	3,481.09	82.79
11 68 13 00-0673	EA			96" Deck, Tunnel Slide, Excludes Posts (Landscape Structures® PlayBooster® 126367G).....	4,591.70	110.38
11 68 13 00-0674	EA			Step Deck, 16" - 32" Decks, Brown Only (Landscape Structures® PlayBooster® 111465A).....	824.97	27.60
11 68 13 00-0675	EA			Sky Rail Climber, 64" And 72" Decks, (64" Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 146812A).....	1,464.66	41.39
11 68 13 00-0676	EA			Stepping Block Climber, 32" Deck Height Difference (Landscape Structures® PlayBooster® 130742A).....	3,325.30	82.79
11 68 13 00-0677	EA			32" Deck, Block Climber (Landscape Structures® PlayBooster® 135344A).....	2,087.46	105.78
11 68 13 00-0678	EA			40" Deck, Block Climber (Landscape Structures® PlayBooster® 135344B).....	2,450.99	105.78
11 68 13 00-0679	EA			32" Deck, SteelX, Block Climber (Landscape Structures® PlayBooster® 139491A).....	2,379.58	105.78
11 68 13 00-0680	EA			40" Deck, SteelX, Block Climber (Landscape Structures® PlayBooster® 139491B).....	2,756.09	105.78
11 68 13 00-0681	EA			Fish Net Climber, CableCore Climbing Cable, 16" - 32" Deck (Landscape Structures® PlayBooster® 126194A).....	2,625.71	78.18
11 68 13 00-0682	EA			Wavy Web Climber, 48" - 56" Deck (Landscape Structures® PlayBooster® 126273A).....	2,565.79	82.79
11 68 13 00-0683	EA			Wavy Web Climber, 64" - 72" Deck (Landscape Structures® PlayBooster® 126273B).....	2,760.54	82.79
11 68 13 00-0684	EA			Wavy Web Climber, 48" - 56" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126442A).....	3,111.08	82.79
11 68 13 00-0685	EA			Wavy Web Climber, 64" - 72" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126442B).....	3,299.33	82.79
11 68 13 00-0686	EA			Circus Ladder, CableCore Climbing Cable, 48" Deck (Landscape Structures® PlayBooster® 126272B).....	1,196.08	82.79

## 11 Equipment

## 11 60 Entertainment and Recreation Equipment

## 11 68 Play Field Equipment And Structures



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0687 EA Circus Ladder, CableCore Climbing Cable, 56" - 64" Deck (Landscape Structures® PlayBooster® 126272C) .....	1,267.49	82.79
11 68 13 00-0688 EA Circus Ladder, CableCore Climbing Cable, 72" Deck (Landscape Structures® PlayBooster® 126272D) .....	1,358.37	82.79
11 68 13 00-0689 EA Circus Ladder, CableCore Climbing Cable, 32" - 40" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441A) .....	1,663.47	82.79
11 68 13 00-0690 EA Circus Ladder, CableCore Climbing Cable, 48" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441B) .....	1,734.88	82.79
11 68 13 00-0691 EA Circus Ladder, CableCore Climbing Cable, 56" - 64" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441C) .....	1,825.76	82.79
11 68 13 00-0692 EA Circus Ladder, CableCore Climbing Cable, 72" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441D) .....	1,897.17	82.79
11 68 13 00-0693 EA Spider Web Climber, 16" - 32" Decks (Direct Bury Only) (Landscape Structures® PlayBooster® 136158A) .....	2,728.64	110.38
11 68 13 00-0694 EA Chimney Climber, 56" - 64" Deck (Landscape Structures® PlayBooster® 153617A) .....	3,546.57	110.38
11 68 13 00-0695 EA Chimney Climber, 72" Deck (Landscape Structures® PlayBooster® 153617B) .....	4,026.94	110.38
11 68 13 00-0696 EA Chimney Climb Across, Straight, 72" To 72" Deck Or 64" To 64" Deck (Landscape Structures® PlayBooster® 155042A) .....	5,072.07	110.38
11 68 13 00-0697 EA Chimney Climb Across, Straight, 56" To 56" Deck (Landscape Structures® PlayBooster® 155042B) .....	4,565.73	110.38
11 68 13 00-0698 EA Chimney Climb Across, Straight, 48" To 48" Deck Or 40" To 40" Deck (Landscape Structures® PlayBooster® 155042C) .....	4,026.94	110.38
11 68 13 00-0699 EA Chimney Climb Across, Straight, 32" To 32" Deck (Landscape Structures® PlayBooster® 155042D) .....	3,468.67	110.38
11 68 13 00-0700 EA Chimney Climb Across, 24" Difference, 72" To 48" Deck Or 64" To 40" Deck (Landscape Structures® PlayBooster® 155043A) .....	4,877.32	110.38
11 68 13 00-0701 EA Chimney Climb Across, 24" Difference, 56" To 32" Deck (Landscape Structures® PlayBooster® 155043B) .....	4,565.73	110.38
11 68 13 00-0702 EA Chimney Climb Across, 24" Difference, 48" To 24" Deck (Landscape Structures® PlayBooster® 155043C) .....	4,254.14	110.38
11 68 13 00-0703 EA 48" - 56" Deck, Cascade Climber (Direct Bury Only) (Landscape Structures® PlayBooster® 150975A) .....	2,111.39	82.79
11 68 13 00-0704 EA 64" - 72" Deck, Cascade Climber (Direct Bury Only) (Landscape Structures® PlayBooster® 150975B) .....	2,767.03	82.79
11 68 13 00-0705 EA 24" Deck Height Difference, Catwalk Climber (Landscape Structures® PlayBooster® 128986A) .....	1,640.48	68.99
11 68 13 00-0706 EA 48" - 56" Deck, Centipede Climber (Landscape Structures® PlayBooster® 123291A) .....	1,401.78	64.39
11 68 13 00-0707 EA 48" - 56" Deck, 90 Degree Tri-Deck, Centipede Climber (Landscape Structures® PlayBooster® 126376A) .....	1,908.12	64.39
11 68 13 00-0708 EA 48" - 56" Deck, SteelX, Centipede Climber (Landscape Structures® PlayBooster® 139496A) .....	1,680.91	64.39
11 68 13 00-0709 EA 40" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352A) .....	1,478.20	68.99
11 68 13 00-0710 EA 48" - 56" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352B) .....	1,556.09	68.99
11 68 13 00-0711 EA 64" - 72" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352C) .....	1,621.01	68.99
11 68 13 00-0712 EA 40" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350A) .....	906.94	68.99
11 68 13 00-0713 EA 48" - 56" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350B) .....	958.88	68.99
11 68 13 00-0714 EA 64" - 72" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350C) .....	1,043.26	68.99
11 68 13 00-0715 EA 40" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351A) .....	1,186.08	68.99
11 68 13 00-0716 EA 48" - 56" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351B) .....	1,238.01	68.99
11 68 13 00-0717 EA 64" - 72" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351C) .....	1,309.42	68.99
11 68 13 00-0718 EA 48" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570A) .....	1,621.01	68.99
11 68 13 00-0719 EA 56" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570B) .....	1,633.99	68.99
11 68 13 00-0720 EA 64" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570C) .....	1,939.09	68.99
11 68 13 00-0721 EA 72" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570D) .....	1,952.07	68.99
11 68 13 00-0722 EA 48" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501A) .....	1,893.65	68.99
11 68 13 00-0723 EA 56" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501B) .....	1,926.11	68.99
11 68 13 00-0724 EA 64" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501C) .....	2,231.21	68.99
11 68 13 00-0725 EA 32" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501D) .....	2,250.68	68.99
11 68 13 00-0726 EA 72" Deck, Conical Climber (Landscape Structures® PlayBooster® 143199A) .....	3,757.26	96.58
11 68 13 00-0727 EA 40" Deck, Conical Climber (Landscape Structures® PlayBooster® 143199B) .....	3,056.18	96.58
11 68 13 00-0728 EA 32" - 48" Deck, Corkscrew Climber (Landscape Structures® PlayBooster® 148432A) .....	1,046.24	55.19
11 68 13 00-0729 EA 56" - 72" Deck, Corkscrew Climber (Landscape Structures® PlayBooster® 148432B) .....	1,189.05	55.19
11 68 13 00-0730 EA 32" - 48" Deck, SteelX, Corkscrew Climber (Landscape Structures® PlayBooster® 148437A) .....	1,331.87	55.19
11 68 13 00-0731 EA 56" - 72" Deck, SteelX, Corkscrew Climber (Landscape Structures® PlayBooster® 148437B) .....	1,513.63	55.19
11 68 13 00-0732 EA 64" - 72" Deck, Corner Climber (Landscape Structures® PlayBooster® 143198A) .....	3,634.47	124.18
11 68 13 00-0733 EA SpaceLink Climber, Net Climber, 72" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145106A) .....	5,158.33	41.39
11 68 13 00-0734 EA Manta Ray Climber, Net Climber, 48" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108A) .....	5,033.12	110.38
11 68 13 00-0735 EA Manta Ray Climber, Net Climber, 56" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108B) .....	5,033.12	110.38
11 68 13 00-0736 EA Manta Ray Climber, 64" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108C) .....	5,033.12	110.38
11 68 13 00-0737 EA SpaceLink Climber, Net Climber, 48" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145240A) .....	5,158.33	41.39
11 68 13 00-0738 EA Star Seeker Climber, Net Climber, 72" Deck (Attaches To Square Decks Only, Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 148039A) .....	3,220.89	55.19
11 68 13 00-0739 EA SpaceWalk Climber, Net Climber, Deck-To-Deck, 32" - 48" Deck (Landscape Structures® PlayBooster® 145107A) .....	6,661.39	55.19
11 68 13 00-0740 EA Funnel Climber, Net Climber (Landscape Structures® PlayBooster® 145109A) .....	3,639.86	68.99
11 68 13 00-0741 EA Funnel Climber, Short Brace, Net Climber (Landscape Structures® PlayBooster® 145248A) .....	152.83	13.79
11 68 13 00-0742 EA Funnel Climber, Long Brace, Net Climber (Landscape Structures® PlayBooster® 145249A) .....	178.80	13.79
11 68 13 00-0743 EA Funnel Climber, Vertical Ladder, Net Climber (Landscape Structures® PlayBooster® 145250A) .....	717.59	13.79
11 68 13 00-0744 EA Funnel Climber, Handhold Panels, Net Climber (Landscape Structures® PlayBooster® 145251A) .....	243.71	13.79
11 68 13 00-0745 EA 40" Deck, Cozy Climber (Landscape Structures® PlayBooster® 123293A) .....	2,215.25	82.79
11 68 13 00-0746 EA 48" Deck, Cozy Climber (Landscape Structures® PlayBooster® 123293B) .....	2,384.03	82.79
11 68 13 00-0747 EA 40" Deck, 90 Degree Tri-Deck, Cozy Climber (Landscape Structures® PlayBooster® 126374A) .....	2,500.88	82.79
11 68 13 00-0748 EA 48" Deck, 90 Degree Tri-Deck, Cozy Climber (Landscape Structures® PlayBooster® 126374B) .....	2,741.06	82.79
11 68 13 00-0749 EA 40" Deck, SteelX, Cozy Climber (Landscape Structures® PlayBooster® 139500A) .....	2,500.88	82.79
11 68 13 00-0750 EA 48" Deck, SteelX, Cozy Climber (Landscape Structures® PlayBooster® 139500B) .....	2,689.13	82.79
11 68 13 00-0751 EA 1-Step With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907A) .....	1,250.44	41.39
11 68 13 00-0752 EA 2-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907B) .....	1,795.73	41.39
11 68 13 00-0753 EA 3-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907C) .....	2,347.51	41.39
11 68 13 00-0754 EA 4-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907D) .....	2,892.79	41.39



<b>Equipment</b>	<b>11</b>
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>
<b>Play Field Equipment And Structures</b>	<b>11 68</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0755 EA 1-Step With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908A).....	1,205.00	41.39
11 68 13 00-0756 EA 2-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908B).....	1,386.76	41.39
11 68 13 00-0757 EA 3-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908C).....	1,575.02	41.39
11 68 13 00-0758 EA 4-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908D).....	1,652.92	41.39
11 68 13 00-0759 EA 1-Step With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910A).....	1,451.68	41.39
11 68 13 00-0760 EA 2-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910B).....	1,646.42	41.39
11 68 13 00-0761 EA 3-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910C).....	1,828.19	41.39
11 68 13 00-0762 EA 4-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910D).....	2,009.95	41.39
11 68 13 00-0763 EA 48" To 48" Deck Or 56" To 56" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916A).....	3,439.18	96.58
11 68 13 00-0764 EA 64" To 64" Deck Or 72" To 72" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916B).....	3,530.06	96.58
11 68 13 00-0765 EA 48" To 64" Deck Or 56" To 72" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916C).....	3,478.13	96.58
11 68 13 00-0766 EA 48" To 48" Deck Or 56" To 56" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488A).....	4,016.92	96.58
11 68 13 00-0767 EA 64" To 64" Deck Or 72" To 72" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488B).....	4,107.80	96.58
11 68 13 00-0768 EA 48" To 64" Deck Or 56" To 72" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488C).....	4,068.85	96.58
11 68 13 00-0769 EA 40" - 48" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914A).....	1,296.43	68.99
11 68 13 00-0770 EA 56" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914B).....	1,432.75	68.99
11 68 13 00-0771 EA 64" - 72" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914C).....	1,575.57	68.99
11 68 13 00-0772 EA 40" - 48" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688A).....	1,682.95	82.79
11 68 13 00-0773 EA 56" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688B).....	1,825.76	82.79
11 68 13 00-0774 EA 64" - 72" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688C).....	1,962.08	82.79
11 68 13 00-0775 EA 40" - 48" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493A).....	1,582.06	68.99
11 68 13 00-0776 EA 56" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493B).....	1,711.89	68.99
11 68 13 00-0777 EA 64" - 72" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493C).....	1,861.19	68.99
11 68 13 00-0778 EA 40" - 48" Deck, Loop Ladder (Landscape Structures® PlayBooster® 128252A).....	890.44	55.19
11 68 13 00-0779 EA 40" - 48" Deck, SteelX, Loop Ladder (Landscape Structures® PlayBooster® 139495A).....	1,176.07	55.19
11 68 13 00-0780 EA 32" - 48" Deck, Loop Pole (Landscape Structures® PlayBooster® 148434A).....	1,046.24	55.19
11 68 13 00-0781 EA 56" - 72" Deck, Loop Pole (Landscape Structures® PlayBooster® 148434B).....	1,137.12	55.19
11 68 13 00-0782 EA 32" - 48" Deck, SteelX, Loop Pole (Landscape Structures® PlayBooster® 148438A).....	1,331.87	55.19
11 68 13 00-0783 EA 56" - 72" Deck, SteelX, Loop Pole (Landscape Structures® PlayBooster® 148438B).....	1,409.76	55.19
11 68 13 00-0784 EA 24" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247A).....	784.54	36.79
11 68 13 00-0785 EA 32" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247B).....	868.93	36.79
11 68 13 00-0786 EA 40" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247C).....	972.79	36.79
11 68 13 00-0787 EA 48" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247D).....	1,166.05	41.39
11 68 13 00-0788 EA 56" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247E).....	1,321.85	41.39
11 68 13 00-0789 EA 64" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247F).....	1,464.66	41.39
11 68 13 00-0790 EA 72" Deck-To-Ground, Panel Vertical Ladder (Landscape Structures® PlayBooster® 116247G).....	1,659.41	41.39
11 68 13 00-0791 EA 48" Deck Height Difference, Single Wave Climber (Landscape Structures® PlayBooster® 122915A).....	1,730.81	41.39
11 68 13 00-0792 EA 64" Deck Height Difference, Single Wave Climber (Landscape Structures® PlayBooster® 122915B).....	1,795.73	41.39
11 68 13 00-0793 EA 48" Deck Height Difference, SteelX, Single Wave Climber (Landscape Structures® PlayBooster® 139487A).....	2,016.44	41.39
11 68 13 00-0794 EA 64" Deck Height Difference, SteelX, Single Wave Climber (Landscape Structures® PlayBooster® 139487B).....	2,087.85	41.39
11 68 13 00-0795 EA 48" - 56" Deck, Snake Climber (Landscape Structures® PlayBooster® 122913A).....	1,679.43	68.99
11 68 13 00-0796 EA 64" - 72" Deck, Snake Climber (Landscape Structures® PlayBooster® 122913B).....	1,763.82	68.99
11 68 13 00-0797 EA 48" - 56" Deck, 90 Degree Tri-Deck, Snake Climber (Landscape Structures® PlayBooster® 126375A).....	2,312.62	82.79
11 68 13 00-0798 EA 64" - 72" Deck, 90 Degree Tri-Deck, Snake Climber (Landscape Structures® PlayBooster® 126375B).....	2,416.49	82.79
11 68 13 00-0799 EA 48" - 56" Deck, SteelX, Snake Climber (Landscape Structures® PlayBooster® 139490A).....	1,965.06	68.99
11 68 13 00-0800 EA 64" - 72" Deck, SteelX, Snake Climber (Landscape Structures® PlayBooster® 139490B).....	2,042.96	68.99
11 68 13 00-0801 EA 32" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533A).....	870.97	55.19
11 68 13 00-0802 EA 40" - 48" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533B).....	1,189.05	55.19
11 68 13 00-0803 EA 56" - 64" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533C).....	1,505.64	64.39
11 68 13 00-0804 EA 72" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533D).....	1,830.22	64.39
11 68 13 00-0805 EA 32" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246A).....	1,455.21	55.19
11 68 13 00-0806 EA 40" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246B).....	1,552.58	55.19
11 68 13 00-0807 EA 48" - 56" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246C).....	1,779.78	55.19
11 68 13 00-0808 EA 64" - 72" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246D).....	2,006.98	55.19
11 68 13 00-0809 EA 32" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492A).....	1,747.32	55.19
11 68 13 00-0810 EA 40" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492B).....	1,838.20	55.19
11 68 13 00-0811 EA 48" - 56" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492C).....	2,065.41	55.19
11 68 13 00-0812 EA 64" - 72" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492D).....	2,299.19	55.19
11 68 13 00-0813 EA Mini Summit Climber 40"-48" Decks (Landscape Structures® PlayBooster® 153076A).....	1,035.10	82.79
11 68 13 00-0814 EA 64" And 72" Decks, (64" Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 128608A).....	1,266.95	55.19
11 68 13 00-0815 EA PlayOdyssey 72" Deck (Landscape Structures® PlayBooster® 129453A).....	1,364.86	82.79
11 68 13 00-0816 EA 48" Deck-To-Ground, Thunderhead Climber With Aluminum Posts (Landscape Structures® PlayBooster® 139778A).....	5,684.47	220.76
11 68 13 00-0817 EA 48" Deck-To-Ground, Thunderhead Climber With Steel Posts (Landscape Structures® PlayBooster® 139778B).....	5,684.47	220.76
11 68 13 00-0818 EA 48" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624A).....	1,124.14	55.19
11 68 13 00-0819 EA 56" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624B).....	1,124.14	55.19
11 68 13 00-0820 EA 64" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624C).....	1,247.48	55.19
11 68 13 00-0821 EA 72" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624D).....	1,247.48	55.19
11 68 13 00-0822 EA 24" - 32" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249A).....	718.14	41.39
11 68 13 00-0823 EA 40" - 48" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249B).....	776.56	41.39
11 68 13 00-0824 EA 56" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249C).....	815.51	41.39
11 68 13 00-0825 EA 64" - 72" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249D).....	867.44	41.39
11 68 13 00-0826 EA 24" - 32" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372A).....	1,153.07	41.39

## 11 Equipment

## 11 60 Entertainment and Recreation Equipment

## 11 68 Play Field Equipment And Structures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68	13 00-0827	EA	40" - 48" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372B).....	1,205.00	41.39
11 68	13 00-0828	EA	56" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372C).....	1,250.44	41.39
11 68	13 00-0829	EA	64" - 72" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372D).....	1,308.87	41.39
11 68	13 00-0830	EA	24" - 32" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494A).....	997.27	41.39
11 68	13 00-0831	EA	40" - 48" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494B).....	1,036.22	41.39
11 68	13 00-0832	EA	56" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494C).....	1,094.65	41.39
11 68	13 00-0833	EA	64" - 72" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494D).....	1,152.07	41.39
11 68	13 00-0834	EA	56" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284D).....	809.57	68.99
11 68	13 00-0835	EA	64" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284E).....	842.03	68.99
11 68	13 00-0836	EA	72" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284F).....	900.45	68.99
11 68	13 00-0837	EA	32" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371A).....	1,160.11	68.99
11 68	13 00-0838	EA	40" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371B).....	1,212.04	68.99
11 68	13 00-0839	EA	48" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371C).....	1,250.99	68.99
11 68	13 00-0840	EA	56" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371D).....	1,296.43	68.99
11 68	13 00-0841	EA	64" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371E).....	1,341.87	68.99
11 68	13 00-0842	EA	72" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371F).....	1,387.31	68.99
11 68	13 00-0843	EA	32" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502A).....	958.88	68.99
11 68	13 00-0844	EA	40" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502B).....	1,010.81	68.99
11 68	13 00-0845	EA	48" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502C).....	1,043.26	68.99
11 68	13 00-0846	EA	56" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502D).....	1,075.72	68.99
11 68	13 00-0847	EA	64" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502E).....	1,114.67	68.99
11 68	13 00-0848	EA	72" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502F).....	1,173.09	68.99
11 68	13 00-0849	EA	Overhead Events Air Dancer Overhead Event, Max. 32" Decks (Landscape Structures® PlayBooster® 121952A).....	1,714.87	55.19
11 68	13 00-0850	EA	Overhead Events Swing Out Overhead Event, 16" Deck Height Only (Landscape Structures® PlayBooster® 120872A).....	1,205.00	41.39
11 68	13 00-0851	EA	Overhead Events Triple Ring Fling Overhead Event, 24" Or 32" Deck-To-Ground (Landscape Structures® PlayBooster® 123824A).....	2,416.49	82.79
11 68	13 00-0852	EA	Overhead Events Ring Pull, Brown Rings Only, Intended For Wheelchair Users (Landscape Structures® PlayBooster® 130873A).....	597.77	27.60
11 68	13 00-0853	EA	Overhead Events 90 Degree Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142890A).....	1,714.87	55.19
11 68	13 00-0854	EA	Overhead Events Circular Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142891A).....	3,104.59	82.79
11 68	13 00-0855	EA	Overhead Events C-Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142883A).....	2,458.41	68.99
11 68	13 00-0856	EA	Overhead Events Ring-a-Ling Overhead Event, Max. 32" Decks (Landscape Structures® PlayBooster® 126203A).....	2,312.62	82.79
11 68	13 00-0857	EA	Overhead Events Wave Net, CableCore Climbing Cable, Max. 32" Decks (Landscape Structures® PlayBooster® 126274A).....	2,614.21	68.99
11 68	13 00-0858	EA	Overhead Events Trapeze Horizontal Ladder, 18" Wide, Max. 32" Decks (Landscape Structures® PlayBooster® 111468A).....	1,659.96	68.99
11 68	13 00-0859	EA	Overhead Events Inclined Horizontal Ladder, 16" - 32" Decks, 16" Incline (Landscape Structures® PlayBooster® 142889A).....	1,071.65	27.60
11 68	13 00-0860	EA	Overhead Events Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142887A).....	1,045.68	27.60
11 68	13 00-0861	EA	Overhead Events Overhead Parallel Bars, Max. 32" Decks (Landscape Structures® PlayBooster® 119430A).....	1,104.10	27.60
11 68	13 00-0862	EA	Overhead Events Horizontal Ladder, 84" Module, Max. 16" Decks, 12" Max. Rung Spacing (Landscape Structures® PlayBooster® 139782A).....	844.44	27.60
11 68	13 00-0863	EA	Overhead Events Wave Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 119613A).....	1,182.00	27.60
11 68	13 00-0864	EA	Overhead Events Single Beam Loop Horizontal Ladder, 84" Module, Max. 32" Decks (Landscape Structures® PlayBooster® 119805A).....	941.82	27.60
11 68	13 00-0865	EA	Overhead Events Single Beam Loop Horizontal Ladder, 123" Module, Max. 32" Decks (Landscape Structures® PlayBooster® 119806A).....	1,207.97	27.60
11 68	13 00-0866	EA	Overhead Events S-Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142884A).....	2,458.41	68.99
11 68	13 00-0867	EA	Overhead Events Single S-Parallel Bar, Max. 32" Decks (Landscape Structures® PlayBooster® 119979A).....	1,045.68	27.60
11 68	13 00-0868	EA	Overhead Events Wiggle Ring Bridge, Max. 32" Decks (Landscape Structures® PlayBooster® 148639A).....	1,847.11	13.79
11 68	13 00-0869	EA	Overhead Events S-Ring Bridge, With (2) 2" Crossovers, Max. 32" Decks, Brown Rings Only (Landscape Structures® PlayBooster® 111467A).....	1,549.05	41.39
11 68	13 00-0870	EA	Overhead Events Ring Bridge, With (2) 2" Crossovers, Max. 32" Decks, Brown Rings Only (Landscape Structures® PlayBooster® 111467B).....	1,367.29	41.39
11 68	13 00-0871	EA	116" Steel Posts, End Vertical Ladder (Landscape Structures® PlayBooster® 111273B).....	1,150.10	55.19
11 68	13 00-0872	EA	132" Steel Posts, End Vertical Ladder (For Use With Ring Bridges) (Landscape Structures® PlayBooster® 116208B).....	1,215.02	55.19
11 68	13 00-0873	EA	10" Module, Track Ride Without Supports, With (2) Crossovers, Max. 16" Decks (Landscape Structures® PlayBooster® 111353A).....	2,325.07	55.19
11 68	13 00-0874	EA	18" Module, Track Ride Without Supports, With (2) Crossovers, Max. 16" Decks (Landscape Structures® PlayBooster® 112465A).....	2,623.67	55.19
11 68	13 00-0875	EA	16" - 24" Decks, Spring Across Bridge (Landscape Structures® PlayBooster® 136156A).....	3,270.95	124.18
11 68	13 00-0876	EA	90 Degree, 8" - 72" Decks, Curved Bridge, Bridge Planks Brown Only (Landscape Structures® PlayBooster® 120211A).....	4,183.28	137.97
11 68	13 00-0877	EA	C Or S, 8" - 72" Decks, Curved Bridge, Bridge Planks Brown Only (Landscape Structures® PlayBooster® 120689A).....	9,087.12	275.96
11 68	13 00-0878	EA	16"-32" Deck, Pod Bridge, Direct Bury (Landscape Structures® PlayBooster® 127234A).....	4,962.82	165.57
11 68	13 00-0879	EA	42" Module, Arch Bridge, Permalene Barrier, Bridge Plank (Landscape Structures® PlayBooster® 114665A).....	2,012.91	27.60
11 68	13 00-0880	EA	42" Module, Arch Bridge, SteelX, Bridge Plank (Landscape Structures® PlayBooster® 139383A).....	2,149.24	27.60
11 68	13 00-0881	EA	123" Module, Arch Bridge With Guardrail, Max. 40" Decks (Landscape Structures® PlayBooster® 143677A).....	3,899.52	68.99
11 68	13 00-0882	EA	123" Module, Arch Bridge With Barrier, Max. 72" Decks (Landscape Structures® PlayBooster® 143677B).....	5,048.52	68.99
11 68	13 00-0883	EA	42" Module, Belt Bridge, Permalene Barrier (Landscape Structures® PlayBooster® 114373A).....	2,035.91	41.39
11 68	13 00-0884	EA	84" Module, 24" - 48" Decks, Belt Bridge (Landscape Structures® PlayBooster® 120310A).....	3,020.76	110.38
11 68	13 00-0885	EA	123" Module, 24" - 48" Decks, Belt Bridge (Landscape Structures® PlayBooster® 120624A).....	3,514.11	110.38
11 68	13 00-0886	EA	Bridge/Ramp Transition Bracket, Brown Only (Landscape Structures® PlayBooster® 111345A).....	295.64	13.79
11 68	13 00-0887	EA	Ramp Exit/Wall Mount Plate, Surface Mount, Brown Only (Landscape Structures® PlayBooster® 111346A).....	419.53	41.39
11 68	13 00-0888	EA	Ramp Exit Plate, Direct Bury, Brown Only (Landscape Structures® PlayBooster® 111346B).....	523.39	41.39
11 68	13 00-0889	EA	Ramp Berm Exit Plate, Brown Only (Landscape Structures® PlayBooster® 120325A).....	406.55	41.39
11 68	13 00-0890	EA	84" Module, Clatterbridge, Brown Planks Only, With Handrails For 24" - 48" Decks (Landscape Structures® PlayBooster® 143194A).....	3,305.82	82.79



<b>Equipment</b>	<b>11</b>
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>
<b>Play Field Equipment And Structures</b>	<b>11 68</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0891 EA 123" Module, Clatterbridge, Brown Planks Only, With Handrails For 24" - 48" Decks (Landscape Structures® PlayBooster® 143195A).....	4,198.68	96.58
11 68 13 00-0892 EA 84" Module, Clatterbridge, Brown Planks Only, With Barrier For 24"-72" Decks (Landscape Structures® PlayBooster® 147424A).....	4,792.38	82.79
11 68 13 00-0893 EA 123" Module, Clatterbridge, Brown Planks Only, With Barrier For 24"-72" Decks (Landscape Structures® PlayBooster® 147425A).....	5,882.95	82.79
11 68 13 00-0894 EA 84" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 120873A).....	2,736.78	193.17
11 68 13 00-0895 EA 123" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 121416A).....	3,847.37	220.76
11 68 13 00-0896 EA S-Disc Challenge, 123" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 136157A).....	3,847.37	220.76
11 68 13 00-0897 EA 16" Deck Height Difference, Peek And Creep Ramp, Brown Wire Plank Only, With Barriers (Landscape Structures® PlayBooster® 152443A).....	3,019.10	27.60
11 68 13 00-0898 EA 16" Deck Height Difference, Peek And Creep Ramp, Brown Wire Plank Only, With Guardrails (Landscape Structures® PlayBooster® 152444A).....	1,960.98	27.60
11 68 13 00-0899 EA Wire Crawl Tunnel (Landscape Structures® PlayBooster® 119641A).....	2,179.83	96.58
11 68 13 00-0900 EA 64" Straight, 8" - 72" Decks, Crawl Tunnel (Landscape Structures® PlayBooster® 126204B).....	2,474.37	55.19
11 68 13 00-0901 EA 90 Degree Curved, 8" - 72" Deck, Crawl Tunnel (Landscape Structures® PlayBooster® 142892A).....	2,948.25	55.19
11 68 13 00-0902 EA 32" Straight, 8" - 72" Decks, Crawl Tunnel (Landscape Structures® PlayBooster® 126204A).....	1,877.15	55.19
11 68 13 00-0903 EA C-Inclined, 16" Deck Height Difference, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117088A).....	4,825.39	110.38
11 68 13 00-0904 EA S-Inclined, 16" Deck Height Difference, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117088B).....	4,825.39	110.38
11 68 13 00-0905 EA C-Straight, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117089A).....	4,825.39	110.38
11 68 13 00-0906 EA S-Straight, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117089B).....	4,825.39	110.38
11 68 13 00-0907 EA 24" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 129042A).....	3,056.18	96.58
11 68 13 00-0908 EA 8" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 119930A).....	2,692.65	96.58
11 68 13 00-0909 EA 16" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 122589A).....	2,783.54	96.58
11 68 13 00-0910 EA Math Panel, Red Discs Only, Enclosure (Landscape Structures® PlayBooster® 115232A).....	1,511.59	36.79
11 68 13 00-0911 EA Spelling Panel, Red Discs Only, Enclosure (Landscape Structures® PlayBooster® 115233A).....	1,433.69	36.79
11 68 13 00-0912 EA Gear Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 117146A).....	1,707.81	27.60
11 68 13 00-0913 EA Hourglass Panel, Enclosure (Landscape Structures® PlayBooster® 123319A).....	1,311.83	27.60
11 68 13 00-0914 EA Image Panel, 176 Play Blocks, Enclosure (Landscape Structures® PlayBooster® 127681A).....	1,251.93	36.79
11 68 13 00-0915 EA Slant Window Panel, Enclosure (Landscape Structures® PlayBooster® 115222A).....	1,154.55	36.79
11 68 13 00-0916 EA Bubble Panel, Enclosure (Landscape Structures® PlayBooster® 115223A).....	760.05	27.60
11 68 13 00-0917 EA Puppet Panel, Enclosure (Landscape Structures® PlayBooster® 115225A).....	552.33	27.60
11 68 13 00-0918 EA Zoo Panel, Enclosure (Landscape Structures® PlayBooster® 115227A).....	558.82	27.60
11 68 13 00-0919 EA Ball Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115236A).....	1,104.10	27.60
11 68 13 00-0920 EA Match 4 Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 127678A).....	881.91	36.79
11 68 13 00-0921 EA Finger Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115229A).....	675.67	27.60
11 68 13 00-0922 EA Tracing Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115230A).....	675.67	27.60
11 68 13 00-0923 EA Mirror Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115234A).....	1,045.68	27.60
11 68 13 00-0924 EA Pilot Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 119514A).....	1,000.24	27.60
11 68 13 00-0925 EA Space Travel Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 123483A).....	1,188.49	27.60
11 68 13 00-0926 EA Braille And Clock Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 123844A).....	1,422.19	27.60
11 68 13 00-0927 EA Chimes Panel, Enclosure (Landscape Structures® PlayBooster® 115243A).....	1,311.83	27.60
11 68 13 00-0928 EA Puppet Panel With Window Above Deck, Enclosure (Landscape Structures® PlayBooster® 115226A).....	688.65	27.60
11 68 13 00-0929 EA Balcony Deck, Brown Tenderdeck Only (Landscape Structures® PlayBooster® 111240A).....	1,159.56	41.39
11 68 13 00-0930 EA Balcony Deck, With Wheel, Brown Tenderdeck Only (Landscape Structures® PlayBooster® 111240B).....	1,341.32	41.39
11 68 13 00-0931 EA Driver Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139382A).....	844.44	27.60
11 68 13 00-0932 EA Driver Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139382B).....	980.77	27.60
11 68 13 00-0933 EA Driver Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 115228A).....	779.53	27.60
11 68 13 00-0934 EA Storefront Panel, SteelX, Ground-Level Panel (Landscape Structures® PlayBooster® 139378A).....	649.70	27.60
11 68 13 00-0935 EA Hole Panel (SteelX®), Ground-Level Panel (Landscape Structures® PlayBooster® 139381A).....	617.24	27.60
11 68 13 00-0936 EA Slant Entrance Panel, 24" Diameter, Ground-Level Panel (Landscape Structures® PlayBooster® 115242A).....	1,060.71	50.60
11 68 13 00-0937 EA Sand And Water Panel, Ground-Level Panel, Tan Dish Only (Landscape Structures® PlayBooster® 115257A).....	1,451.68	41.39
11 68 13 00-0938 EA Table Panel, Ground-Level Panel (Landscape Structures® PlayBooster® 130565A).....	979.28	36.79
11 68 13 00-0939 EA Hole Panel (Permalene®), Ground-Level Panel (Landscape Structures® PlayBooster® 115253A).....	552.33	27.60
11 68 13 00-0940 EA Storefront Panel, Ground-Level Panel (Landscape Structures® PlayBooster® 115254A).....	571.80	27.60
11 68 13 00-0941 EA 2 Panels, Handhold Panel (Landscape Structures® PlayBooster® 127953A).....	276.17	13.79
11 68 13 00-0942 EA 1 Panel, Handhold Panel (Landscape Structures® PlayBooster® 127953B).....	138.72	9.20
11 68 13 00-0943 EA House Panel (SteelX®) Above Deck (Landscape Structures® PlayBooster® 139380A).....	742.06	23.00
11 68 13 00-0944 EA House Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139380B).....	883.39	27.60
11 68 13 00-0945 EA House Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 115235A).....	630.23	27.60
11 68 13 00-0946 EA Periscope Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139379A).....	1,636.41	27.60
11 68 13 00-0947 EA Periscope Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 117957A).....	1,422.19	27.60
11 68 13 00-0948 EA Periscope Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139379B).....	1,785.71	27.60
11 68 13 00-0949 EA Pipe Barrier Above Deck, Without Wheel (Landscape Structures® PlayBooster® 116244A).....	571.80	27.60
11 68 13 00-0950 EA Pipe Barrier, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117680A).....	609.27	36.79
11 68 13 00-0951 EA Pipe Barrier Above Deck, With Wheel (Landscape Structures® PlayBooster® 116244B).....	740.58	27.60
11 68 13 00-0952 EA Pipe Barrier, With Wheel, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117680B).....	791.03	36.79
11 68 13 00-0953 EA Pipe Barrier, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921A).....	610.75	27.60
11 68 13 00-0954 EA Pipe Barrier, With Wheel, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921B).....	792.51	27.60
11 68 13 00-0955 EA Pipe Guardrail (Landscape Structures® PlayBooster® 116245A).....	487.41	27.60
11 68 13 00-0956 EA Pipe Guardrail, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117681A).....	622.25	36.79
11 68 13 00-0957 EA Wheelchair Accessible Navigator Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 127439A).....	613.73	13.79
11 68 13 00-0958 EA Wheelchair Accessible Trail Tracker Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 127440A).....	435.53	13.79

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment And Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0959 EA Wheelchair Accessible Image Reach Panel, 75 Play Blocks (Landscape Structures® PlayBooster® 129043A).....	808.47	13.79
11 68 13 00-0960 EA Wheelchair Accessible Periscope Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 135729A).....	1,371.74	23.00
11 68 13 00-0961 EA Wheelchair Accessible Match 3 Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 135730A).....	729.08	23.00
11 68 13 00-0962 EA Wheelchair Accessible Chimes Reach Panel (Landscape Structures® PlayBooster® 135731A).....	1,125.06	23.00
11 68 13 00-0963 EA Recycled Poly Wall (Landscape Structures® PlayBooster® 111267A).....	831.46	27.60
11 68 13 00-0964 EA Recycled Poly Wall, With Wheel (Landscape Structures® PlayBooster® 111267B).....	1,019.71	27.60
11 68 13 00-0965 EA Tic-Tac-Toe Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139377A).....	2,084.32	27.60
11 68 13 00-0966 EA Tic-Tac-Toe Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139377B).....	2,238.63	36.79
11 68 13 00-0967 EA Tic-Tac-Toe Panel, Above Deck, Tan Discs Only (Landscape Structures® PlayBooster® 115231A).....	1,285.87	27.60
11 68 13 00-0968 EA Wire Barrier (Landscape Structures® PlayBooster® 120314A).....	635.23	36.79
11 68 13 00-0969 EA Wire Barrier, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 120315A).....	778.05	36.79
11 68 13 00-0970 EA Wire Barrier With Wheel (Landscape Structures® PlayBooster® 120314B).....	823.49	36.79
11 68 13 00-0971 EA Wire Barrier With Wheel, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 120315B).....	966.30	36.79
11 68 13 00-0972 EA Wire Barrier, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921C).....	688.65	27.60
11 68 13 00-0973 EA Wire Barrier With Wheel, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921D).....	876.90	27.60
11 68 13 00-0974 EA Loop Seats (Landscape Structures® PlayBooster® 118089A).....	438.46	13.79
11 68 13 00-0975 EA Grab Bar, TenderTuff-coated Brown (Landscape Structures® PlayBooster® 120901A).....	167.29	9.20
11 68 13 00-0976 EA Handhold/Leg Lift, TenderTuff-coated Brown (Landscape Structures® PlayBooster® 120902A).....	186.76	9.20
11 68 13 00-0977 EA Handloop Assembly (Landscape Structures® PlayBooster® 111275A).....	229.23	23.00
11 68 13 00-0978 EA Rail Assembly (Landscape Structures® PlayBooster® 111276A).....	222.74	23.00
11 68 13 00-0979 EA Log Roll, (1) Steel Post, Tan Log Only (Landscape Structures® PlayBooster® 111356B).....	1,255.45	50.60
11 68 13 00-0980 EA Chinning Bar, (1) Steel Post (Landscape Structures® PlayBooster® 111357C).....	516.90	41.39
11 68 13 00-0981 EA Turning Bar, (1) Steel Post (Landscape Structures® PlayBooster® 111357D).....	477.95	41.39
11 68 13 00-0982 EA Parallel Bars, Without Posts (Landscape Structures® PlayBooster® 111361A).....	643.21	27.60
11 68 13 00-0983 EA Orbiter Spinner, (Requires Steel Post, Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 153590A).....	1,756.78	41.39
11 68 13 00-0984 EA 48" Deck, Talk Tubes For PlayOdyssey Pod, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 129079A).....	620.22	13.79
11 68 13 00-0985 EA 72" Deck, Talk Tubes For PlayOdyssey Pod, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 129079B).....	659.17	13.79
11 68 13 00-0986 EA Ground Level, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363A).....	464.42	13.79
11 68 13 00-0987 EA 16" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363B).....	470.91	13.79
11 68 13 00-0988 EA 24" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363C).....	477.40	13.79
11 68 13 00-0989 EA 32" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363D).....	483.90	13.79
11 68 13 00-0990 EA 40" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363E).....	490.39	13.79
11 68 13 00-0991 EA 48" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363F).....	503.37	13.79
11 68 13 00-0992 EA 56" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363G).....	509.86	13.79
11 68 13 00-0993 EA 64" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363H).....	522.85	13.79
11 68 13 00-0994 EA 72" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363I).....	529.34	13.79
11 68 13 00-0995 EA Arch Roof, (Excludes Arches) (Landscape Structures® PlayBooster® 111256A).....	737.06	13.79
11 68 13 00-0996 EA Recycled 2x4 Roof (Landscape Structures® PlayBooster® 111260A).....	2,163.88	110.38
11 68 13 00-0997 EA Recycled Peak Roof (Landscape Structures® PlayBooster® 111408A).....	3,092.16	110.38
11 68 13 00-0998 EA Hex Shingle Roof (Landscape Structures® PlayBooster® 130567A).....	2,546.32	82.79
11 68 13 00-0999 EA Square SteelX Roof (Landscape Structures® PlayBooster® 139375A).....	2,721.59	82.79
11 68 13 00-1000 EA Hex SteelX Roof (Landscape Structures® PlayBooster® 139376A).....	4,276.58	96.58
11 68 13 00-1001 EA Flag Pole With Permalene Flag (For SteelX Hex Roof Or SteelX Square Roof Only) (Landscape Structures® PlayBooster® 139464A).....	264.66	9.20
11 68 13 00-1002 EA Full Sail, CoolToppers Shade System (Direct Bury Only) (Landscape Structures® PlayBooster® 136488A).....	10,490.39	331.14
11 68 13 00-1003 EA Single Post Shade, CoolToppers Shade System (Direct Bury Only) (Landscape Structures® PlayBooster® 154884A).....	3,277.23	275.96
11 68 13 00-1004 EA PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck With Roof, With Center Access (Landscape Structures® PlayBooster® 128980A).....	18,036.83	496.72
11 68 13 00-1005 EA PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck Without Roof, With Center Access (Landscape Structures® PlayBooster® 128980B).....	13,966.66	496.72
11 68 13 00-1006 EA PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck Without Roof, Without Center Access (Landscape Structures® PlayBooster® 128980C).....	13,181.18	496.72
11 68 13 00-1007 EA PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck With Roof, With Center Access (Landscape Structures® PlayBooster® 128980D).....	18,147.18	496.72
11 68 13 00-1008 EA PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck Without Roof, With Center Access (Landscape Structures® PlayBooster® 128980E).....	14,077.01	496.72
11 68 13 00-1009 EA PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck Without Roof, Without Center Access (Landscape Structures® PlayBooster® 128980F).....	13,298.03	496.72
11 68 13 00-1010 EA Square Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111228A).....	922.34	27.60
11 68 13 00-1011 EA Square Tenderdeck, Extension, Brown Only (Landscape Structures® PlayBooster® 111229A).....	883.39	27.60
11 68 13 00-1012 EA Square Tenderdeck, Corner, Brown Only (Landscape Structures® PlayBooster® 111230A).....	857.43	27.60
11 68 13 00-1013 EA Triangular Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111231A).....	704.61	13.79
11 68 13 00-1014 EA Hexagon Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111232A).....	2,614.21	68.99
11 68 13 00-1015 EA Triangular Tenderdeck, Extension, Brown Only (Landscape Structures® PlayBooster® 119646A).....	690.13	23.00
11 68 13 00-1016 EA 90 Degree Triangular Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 122197A).....	750.05	13.79
11 68 13 00-1017 EA Transfer Step, Brown Only (Landscape Structures® PlayBooster® 112471A).....	506.89	27.60
11 68 13 00-1018 EA 24" Rise Kick Panel, 2-Color Permalene, With 2-Clamps (Landscape Structures® PlayBooster® 111525A).....	411.00	23.00
11 68 13 00-1019 EA 32" Rise Kick Panel, 2-Color Permalene, With 2-Clamps (Landscape Structures® PlayBooster® 111525B).....	514.86	23.00
11 68 13 00-1020 EA To 32" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911A).....	2,215.81	110.38
11 68 13 00-1021 EA To 40" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911B).....	2,527.40	110.38
11 68 13 00-1022 EA To 48" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911C).....	2,657.23	110.38



<b>Equipment</b>	<b>11</b>
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>
<b>Play Field Equipment And Structures</b>	<b>11 68</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1023 EA To 32" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912A).....	2,462.49	110.38
11 68 13 00-1024 EA To 40" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912B).....	2,767.59	110.38
11 68 13 00-1025 EA To 48" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912C).....	2,877.94	110.38
11 68 13 00-1026 EA Arch For 72" Deck (Landscape Structures® PlayBooster® 111406A).....	1,337.80	27.60
11 68 13 00-1027 EA Arch For 56" - 64" Deck (Landscape Structures® PlayBooster® 111406B).....	1,292.36	27.60
11 68 13 00-1028 EA Arch For 40" - 48" Deck (Landscape Structures® PlayBooster® 111406C).....	1,240.43	27.60
11 68 13 00-1029 EA Arch For 32" Deck (Landscape Structures® PlayBooster® 111406D).....	1,227.44	27.60
11 68 13 00-1030 EA Arch/Ground Level (Landscape Structures® PlayBooster® 111406E).....	1,143.05	27.60
11 68 13 00-1031 EA 106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718J).....	430.47	23.00
11 68 13 00-1032 EA 98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718K).....	417.49	23.00
11 68 13 00-1033 EA 90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718L).....	411.00	23.00
11 68 13 00-1034 EA 82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718M).....	404.51	23.00
11 68 13 00-1035 EA 74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718N).....	398.01	23.00
11 68 13 00-1036 EA 66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718O).....	385.03	23.00
11 68 13 00-1037 EA 58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718P).....	378.54	23.00
11 68 13 00-1038 EA 50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718Q).....	372.05	23.00
11 68 13 00-1039 EA 42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718R).....	359.07	23.00
11 68 13 00-1040 EA 106"/72" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405J).....	404.51	23.00
11 68 13 00-1041 EA 98"/64" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405K).....	398.01	23.00
11 68 13 00-1042 EA 90"/56" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405L).....	385.03	23.00
11 68 13 00-1043 EA 82"/48" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405M).....	378.54	23.00
11 68 13 00-1044 EA 74"/40" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405N).....	372.05	23.00
11 68 13 00-1045 EA 66"/32" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405O).....	359.07	23.00
11 68 13 00-1046 EA 58"/24" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405P).....	352.57	23.00
11 68 13 00-1047 EA 50"/16" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405Q).....	346.08	23.00
11 68 13 00-1048 EA 42"/8" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405R).....	339.59	23.00
11 68 13 00-1049 EA 148"/72" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404M).....	321.61	13.79
11 68 13 00-1050 EA 140"/64" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404N).....	543.62	13.79
11 68 13 00-1051 EA 132"/56" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404O).....	295.64	13.79
11 68 13 00-1052 EA 124"/48" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404P).....	289.15	13.79
11 68 13 00-1053 EA 116"/40" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404Q).....	282.66	13.79
11 68 13 00-1054 EA 108"/32" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404R).....	276.17	13.79
11 68 13 00-1055 EA 100"/24" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404S).....	263.19	13.79
11 68 13 00-1056 EA 92"/16" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404T).....	243.71	13.79
11 68 13 00-1057 EA 84"/8" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404U).....	230.73	13.79
11 68 13 00-1058 EA 76"/Ground Level, Posts For Decks (Landscape Structures® PlayBooster® 111404V).....	224.24	13.79
11 68 13 00-1059 EA 156"/80" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404W).....	367.05	13.79
11 68 13 00-1060 EA 182"/96" Deck (44" Bury), Posts For Decks (Landscape Structures® PlayBooster® 111404Z).....	425.47	13.79
11 68 13 00-1061 EA 182"/72" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403K).....	373.54	13.79
11 68 13 00-1062 EA 174"/64" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403L).....	367.05	13.79
11 68 13 00-1063 EA 166"/56" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403M).....	360.56	13.79
11 68 13 00-1064 EA 158"/48" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403N).....	347.58	13.79
11 68 13 00-1065 EA 150"/40" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403O).....	341.08	13.79
11 68 13 00-1066 EA 142"/32" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403P).....	334.59	13.79
11 68 13 00-1067 EA 134"/24" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403Q).....	328.10	13.79
11 68 13 00-1068 EA 126"/16" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403R).....	321.61	13.79
11 68 13 00-1069 EA 118"/8" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403S).....	302.13	13.79
11 68 13 00-1070 EA 110"/Ground Level, Posts For Roofs (Landscape Structures® PlayBooster® 111403T).....	295.64	13.79
11 68 13 00-1071 EA 204"/48" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689A).....	1,204.37	496.72
11 68 13 00-1072 EA 212"/56" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689B).....	1,210.86	496.72
11 68 13 00-1073 EA 220"/64" - 72" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689C).....	1,223.84	496.72
11 68 13 00-1074 EA 264"/64" - 72" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883A).....	1,303.82	275.96
11 68 13 00-1075 EA 248"/48" - 56" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883B).....	1,264.87	275.96
11 68 13 00-1076 EA 232"/32" - 40" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883C).....	1,245.39	275.96
11 68 13 00-1077 EA 220"/16" - 24" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883D).....	1,135.04	275.96
11 68 13 00-1078 EA 200"/Ground Level - 8" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883E).....	1,109.07	275.96
11 68 13 00-1079 EA Overhead Events Access/Landing Assembly Seat 8" Deck (Landscape Structures® PlayBooster® 141887A).....	484.82	27.60
11 68 13 00-1080 EA 132" Aluminum Posts, End Vertical Ladder (For Use With Ring Bridges) (Landscape Structures® PlayBooster® 116208A).....	1,273.44	55.19
11 68 13 00-1081 EA Square Poly Roof, Without Logo Panels (Landscape Structures® PlayBooster® 118110B).....	1,091.68	55.19
11 68 13 00-1082 EA 84" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 120873B).....	2,692.10	82.79
11 68 13 00-1083 EA 84" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 120873C).....	2,818.96	82.79
11 68 13 00-1084 EA 123" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 121416B).....	3,805.86	110.38
11 68 13 00-1085 EA 123" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 121416C).....	3,546.57	110.38
11 68 13 00-1086 EA 106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718A).....	487.41	27.60
11 68 13 00-1087 EA 98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718B).....	467.94	27.60
11 68 13 00-1088 EA 90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718C).....	448.46	27.60
11 68 13 00-1089 EA 82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718D).....	441.97	27.60
11 68 13 00-1090 EA 74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718E).....	406.00	13.79



**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment And Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1091 EA 66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718F).....	393.02	13.79
11 68 13 00-1092 EA 58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718G).....	373.54	13.79
11 68 13 00-1093 EA 50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718H).....	367.05	13.79
11 68 13 00-1094 EA 42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718I).....	360.56	13.79
11 68 13 00-1095 EA Square Peak Tile Roof, Without Logo Panels (Landscape Structures® PlayBooster® 129816B).....	1,221.51	55.19
11 68 13 00-1096 EA 32" Decks, Spring Across Bridge With 4 TenderTuff-coated Handloops (Landscape Structures® PlayBooster® 136156B).....	4,066.73	110.38
11 68 13 00-1097 EA S-Disc Challenge, 123" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 136157B).....	3,805.86	110.38
11 68 13 00-1098 EA S-Disc Challenge, 123" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 136157C).....	3,933.27	110.38
11 68 13 00-1099 EA Hexagon Tenderdeck, With Extension, Brown Only (Landscape Structures® PlayBooster® 154752A).....	4,072.38	110.38
11 68 13 00-1100 EA The Pinnacle Natural Climber (Landscape Structures® PlayBooster® 156066A).....	19,176.01	331.14
11 68 13 00-1101 EA The Pointe Natural Climber (Landscape Structures® PlayBooster® 156068A).....	10,799.77	220.76
11 68 13 00-1102 EA Natural Elements Climber Handholds, Extension Deck And Kick Panel Set, One Set Required Per Associated Deck (Landscape Structures® PlayBooster® 156070A).....	941.82	27.60
11 68 13 00-1103 EA Bridge With Guardrails And Curbs, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156230A).....	3,370.74	82.79
11 68 13 00-1104 EA Bridge With Guardrails, Without Curbs, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156230B).....	3,020.20	82.79
11 68 13 00-1105 EA Bridge With Barriers, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156231A).....	3,923.07	110.38
11 68 13 00-1106 EA Ramp With Guardrails And Curbs, 3-Handrails Per Side (Conforms To ASTM And TUV Standard) (Landscape Structures® PlayBooster® 156232A).....	3,773.77	110.38
11 68 13 00-1107 EA Ramp With Guardrails, Without Curbs, 3-Handrails Per Side, (Conforms To ASTM And TUV Standard) (Landscape Structures® PlayBooster® 156232B).....	3,383.72	82.79
11 68 13 00-1108 EA Ramp With Guardrails And Curbs, 2-Handrails Per Side (Conforms To CSA Standard) (Landscape Structures® PlayBooster® 156232C).....	3,214.94	82.79
11 68 13 00-1109 EA Ramp With Guardrails, Without Curbs, 2-Handrails Per Side, (Conforms To CSA Standard) (Landscape Structures® PlayBooster® 156232D).....	2,864.40	82.79
11 68 13 00-1110 EA Ramp With Barriers, Ramp Plank Brown Only (Landscape Structures® PlayBooster® 156233A).....	4,656.61	110.38
11 68 13 00-1111 EA 16" Deck, Pod Climber With One Handhold Panel (Landscape Structures® PlayBooster® 156915A).....	487.41	27.60
11 68 13 00-1112 EA 24" Deck, Pod Climber With One Handhold Panel (Landscape Structures® PlayBooster® 156916A).....	740.58	27.60
11 68 13 00-1113 EA 24" Deck, Pod Climber With One Handhold Panel, And One Handloop (Landscape Structures® PlayBooster® 156916B).....	824.97	27.60
11 68 13 00-1114 EA 32"-40" Deck, Pod Climber With Two Handhold Panels (Landscape Structures® PlayBooster® 157427A).....	1,228.00	55.19
11 68 13 00-1115 EA 32"-40" Deck, Pod Climber With Two Handhold Panels, And One Handloop (Landscape Structures® PlayBooster® 157427B).....	1,318.88	55.19
11 68 13 00-1116 EA 32"-40" Deck, Pod Climber With Two Handhold Panels, And One Handrail (Landscape Structures® PlayBooster® 157427C).....	1,383.80	55.19
11 68 13 00-1117 EA 32"-40" Deck, Pod Climber With Two Handhold Panels, One Handloop And One Handrail (Landscape Structures® PlayBooster® 157427D).....	1,455.21	55.19
11 68 13 00-1118 EA Starburst Climber, 64" And 72" Decks, (Direct Bury Only) (Landscape Structures® PlayBooster® 158425A).....	2,085.42	82.79
11 68 13 00-1119 EA Ring-a-Bell Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 159459A).....	1,318.88	55.19
11 68 13 00-1120 EA Ring-a-Bell™ Panel For Learning Wall (Landscape Structures® PlayBooster® 159460A).....	1,189.05	55.19
11 68 13 00-1121 EA Stationary Cyclor, Pedal Assembly, With Grab Bar, Without Post (Landscape Structures® PlayBooster® 160054A).....	1,000.24	27.60
11 68 13 00-1122 EA Stationary Cyclor, Handle Assembly, Without Post (Landscape Structures® PlayBooster® 160054B).....	773.04	27.60
11 68 13 00-1123 EA Stationary Cyclor, Pedals And Handles, Without Post (Landscape Structures® PlayBooster® 160054C).....	1,455.21	55.19
11 68 13 00-1124 EA Stationary Cyclor, Handle Assembly, Accessible, Without Post (Landscape Structures® PlayBooster® 160054D).....	773.04	27.60
11 68 13 00-1125 EA (1) Aluminum Post Gyro Twister Spinners (Landscape Structures® PlayBooster® 160251A).....	2,013.47	55.19
11 68 13 00-1126 EA (1) Steel Post Gyro Twister Spinners (Landscape Structures® PlayBooster® 160251B).....	1,994.00	55.19
11 68 13 00-1127 EA The Peak Natural Climber, 40" Deck (Landscape Structures® PlayBooster® 160420A).....	6,182.67	137.97
11 68 13 00-1128 EA The Peak Natural Climber Connector, Connects Between 32" Deck And 40" Deck (Landscape Structures® PlayBooster® 160421A).....	6,513.73	137.97
11 68 13 00-1129 EA The Stepper Natural Climbing Stone, 24" Deck (Landscape Structures® PlayBooster® 160422A).....	3,279.86	82.79
11 68 13 00-1130 EA 64" - 72" Decks, Escalator Climber With Single Barrier With Infill Permalene Panel (Landscape Structures® PlayBooster® 160693A).....	3,838.68	110.38
11 68 13 00-1131 EA Single Barrier Handhold Panel With Infill, Permalene, Panel Only (Landscape Structures® PlayBooster® 160694A).....	558.82	27.60
11 68 13 00-1132 EA Single Connector, 64" - 72" Decks, Escalator Climber Without Posts (Landscape Structures® PlayBooster® 160810A).....	3,325.30	82.79
11 68 13 00-1133 EA Double Connector, 64" - 72" Decks, Escalator Climber Without Posts (Landscape Structures® PlayBooster® 160811A).....	6,598.12	137.97
11 68 13 00-1134 EA RingTangle Climber, 24" - 48" Decks (Landscape Structures® PlayBooster® 164078A).....	2,085.42	82.79
11 68 13 00-1135 EA Bongo Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 164092A).....	896.38	27.60
11 68 13 00-1136 EA Bongo Panel For Learning Wall (Landscape Structures® PlayBooster® 164093A).....	805.50	27.60
11 68 13 00-1137 EA Wheelchair Accessible Bongo Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 164094A).....	811.99	27.60
11 68 13 00-1138 EA Rock-n-Ring Panel, Ground Level Panel (2 Color Permalene) (Landscape Structures® PlayBooster® 164145A).....	1,818.73	55.19
11 68 13 00-1139 EA Rock-n-Ring™ Panel For Learning Wall (Landscape Structures® PlayBooster® 164146A).....	1,435.73	55.19
11 68 13 00-1140 EA Bongo Reach Panel For Learning Wall (Landscape Structures® PlayBooster® 164147A).....	753.56	27.60
11 68 13 00-1141 EA Wheelchair Accessible Ring-a-Bell Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 164148A).....	883.39	27.60
11 68 13 00-1142 EA Ring-a-Bell™ Reach Panel For Learning Wall (Landscape Structures® PlayBooster® 164149A).....	824.97	27.60
<b>11 68 13 00-1143 Playground Equipment (Landscape Structures® Evos™) <small>(11 68 13 00-0121)</small></b>		
11 68 13 00-1144 EA Standard Age-Appropriate Welcome Sign, Ages 5 To 12 (Landscape Structures® Evos™ 158650A).....	682.16	27.60
11 68 13 00-1145 EA Customized Name On Age-Appropriate Welcome Sign, Ages 5 To 12 (Landscape Structures® Evos™ 158651A).....	805.50	27.60
11 68 13 00-1146 EA Slalom Glider (Direct Bury Only) (Landscape Structures® Evos™ 156456A).....	3,104.59	82.79
11 68 13 00-1147 EA Hang Glider (Direct Bury Only) (Landscape Structures® Evos™ 156465A).....	2,371.05	82.79
11 68 13 00-1148 EA Helix Net Climber (Direct Bury Only) (Landscape Structures® Evos™ 156449A).....	5,715.66	78.18
11 68 13 00-1149 EA Crescent Climber (Direct Bury Only) (Landscape Structures® Evos™ 156461A).....	4,358.00	110.38



<b>Equipment</b>	<b>11</b>
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>
<b>Play Field Equipment And Structures</b>	<b>11 68</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1150	EA		RingTangle Climber With Two E-Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156462A) .....	2,919.31	68.99
11 68 13 00-1151	EA		Web Link Climber (Direct Bury Only) (Landscape Structures® Evos™ 156912A) .....	6,097.17	82.79
11 68 13 00-1152	EA		Wobble Pod Bouncer (Direct Bury Only) (Landscape Structures® Evos™ 156452A) .....	1,396.78	55.19
11 68 13 00-1153	EA		Gyro Twister Spinner (Direct Bury Only) (Landscape Structures® Evos™ 156459A) .....	1,854.15	41.39
11 68 13 00-1154	EA		E-Pod Step (Landscape Structures® Evos™ 156454A) .....	290.62	9.20
11 68 13 00-1155	EA		Cycler With E-Pod Step (Direct Bury Only) (Landscape Structures® Evos™ 156467A) .....	1,311.83	27.60
11 68 13 00-1156	EA		8" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959A) .....	949.79	23.00
11 68 13 00-1157	EA		16" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959B) .....	956.28	23.00
11 68 13 00-1158	EA		24" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959C) .....	962.77	23.00
11 68 13 00-1159	EA		Swiggle Stix Bridge (Direct Bury Only) (Landscape Structures® Evos™ 156450A) .....	5,426.13	124.18
11 68 13 00-1160	EA		PodStomper Bridge (Direct Bury Only) (Landscape Structures® Evos™ 156464A) .....	5,649.25	82.79
11 68 13 00-1161	EA		ArcOver Ladder With Two E-Pod Steps, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 156457A) .....	2,448.40	55.19
11 68 13 00-1162	EA		Bow Ladder With Four E-Pod Steps, Overhead Events (Landscape Structures® Evos™ 156463A) .....	2,668.56	27.60
11 68 13 00-1163	EA		2-Arch Mainstructure With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 156436A) .....	23,200.74	331.14
11 68 13 00-1164	EA		3-Arch Mainstructure, Small (Landscape Structures® Evos™ 157106A) .....	26,008.39	496.72
11 68 13 00-1165	EA		Additional Small Arch For Mainstructure, #3 Only (Landscape Structures® Evos™ 156545A) .....	2,814.14	165.57
11 68 13 00-1166	EA		16" Pod, With Two E-Pod Steps, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 164156A) .....	1,299.41	55.19
11 68 13 00-1167	EA		24" Pod, With Two E-Pod Steps, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 164156B) .....	1,312.39	55.19
11 68 13 00-1168	EA		Ring-a-Bell Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 164150A) .....	883.39	27.60
11 68 13 00-1169	EA		Bongo Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 164095A) .....	811.99	27.60
11 68 13 00-1170	EA		Noodle Post, 1 Post Only (Direct Bury Only) (Landscape Structures® Evos™ 161774A) .....	688.65	27.60
11 68 13 00-1171	EA		Periscope Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161775A) .....	1,429.24	55.19
11 68 13 00-1172	EA		Match 3 Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161776A) .....	740.58	27.60
11 68 13 00-1173	EA		Chimes Reach Panel (Landscape Structures® Evos™ 161777A) .....	1,182.56	55.19
11 68 13 00-1174	EA		Trail Tracker Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161778A) .....	454.95	27.60
11 68 13 00-1175	EA		Navigator Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161779A) .....	636.72	27.60
11 68 13 00-1176	EA		Image Reach Panel, 75 Play Blocks (Landscape Structures® Evos™ 161780A) .....	831.46	27.60
11 68 13 00-1177	EA		Chatter Noodle Talk Tube Kit, Two Noodle Posts And Tubing (Direct Bury Only) (Landscape Structures® Evos™ 156453A) .....	1,955.05	55.19
11 68 13 00-1178	EA		Blender Spinner (Direct Bury Only) (Landscape Structures® Evos™ 156460A) .....	2,371.05	82.79
11 68 13 00-1179	EA		BalanceWinder Climber (Direct Bury Only) (Landscape Structures® Evos™ 160252A) .....	4,247.65	110.38
11 68 13 00-1180	EA		Overhead Explorer Parallel Bar, With (1) E-Pod Step, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 160253A) .....	1,734.34	55.19
11 68 13 00-1181	EA		Overhead Trekker Ladder, With (1) E-Pod Step, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 160254A) .....	1,896.63	55.19
11 68 13 00-1182	EA		3-Arch Mainstructure, Large With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 160356A) .....	26,384.90	496.72
11 68 13 00-1183	EA		4-Arch Mainstructure With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 160357A) .....	28,916.58	496.72
11 68 13 00-1184	EA		Additional Large Arch For Mainstructure, #4 Only (Landscape Structures® Evos™ 160358A) .....	3,039.67	82.79
11 68 13 00-1185	EA		Additional Arches For Mainstructure, #3 And #4 Only (Landscape Structures® Evos™ 160359A) .....	5,669.84	137.97
11 68 13 00-1186	EA		Power Lifter Chinning Bar (Landscape Structures® Evos™ 160208A) .....	1,331.87	55.19
11 68 13 00-1187	EA		Accessible Power Lifter Chinning Bar (Landscape Structures® Evos™ 160209A) .....	1,688.90	55.19
11 68 13 00-1188	EA		TwirlWind Turning Bar (Landscape Structures® Evos™ 160210A) .....	1,688.90	55.19
<b>11 68 13 00-1189</b>			<b>Playground Equipment (Landscape Structures® Weevos™) <small>(11 68 13 00-0121)</small></b>		
11 68 13 00-1190	EA		Safety Sign, Weevos Welcome Sign, Ages 2 to 5, Direct Bury (Landscape Structures® Weevos™ 164529A) .....	682.16	27.60
11 68 13 00-1191	EA		ChitterChatter Noodle™ Talk Tube Kit (Landscape Structures® Weevos™ 164177A) .....	1,766.80	55.19
<b>11 68 13 00-1192</b>			<b>Playground Equipment (Landscape Structures® Parts) <small>(11 68 13 00-0121)</small></b>		
11 68 13 00-1193	EA		52-9/16" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (8') (Landscape Structures® 160110A) .....	60.65	13.79
11 68 13 00-1194	EA		66-15/16" Long, TenderTuff-Coated Chain, Brown, Front Chain for Molded Bucket Seat (8') (Landscape Structures® 160112A) .....	64.55	13.79
11 68 13 00-1195	EA		Pivot Block Swing Hardware With Bearing For Molded Bucket Seat (Landscape Structures® 160307A) .....	59.35	13.79
11 68 13 00-1196	EA		Play It Safe Label, 2-5 Years (Landscape Structures® 156845A) .....	5.90	2.76
11 68 13 00-1197	EA		Play It Safe Label, 2-12 Years (Landscape Structures® 156846A) .....	5.90	2.76
11 68 13 00-1198	EA		Play It Safe Label, 5-12 Years (Landscape Structures® 156847A) .....	5.90	2.76
11 68 13 00-1199	EA		Play It Safe Label, 8-12 Years (Landscape Structures® 156848A) .....	5.90	2.76
11 68 13 00-1200	EA		D-Ring with Stainless Steel Bolt Link, Brown TenderTuff-coated Only (Landscape Structures® 130923A) .....	102.20	13.79
11 68 13 00-1201	EA		(2) Stainless Steel Double Clevis Swing Hardware With Bolts (Landscape Structures® 132634A) .....	54.64	5.52
11 68 13 00-1202	EA		(2) Stainless Steel Bolt Links Swing Hardware With Bolts For Use With TenderTuff-Coated Chain (Landscape Structures® 132635A) .....	31.27	5.52
11 68 13 00-1203	EA		(2) Stainless Steel Bolt Links Swing Hardware With Bolts And Chain Spacers For Use With Uncoated Chain (Landscape Structures® 132672A) .....	32.57	5.52
11 68 13 00-1204	EA		2-3/8" Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 136065A) .....	69.91	6.90
11 68 13 00-1205	EA		3-1/2" Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 136066A) .....	69.91	6.90
11 68 13 00-1206	EA		TenderTuff Repair Kit (Landscape Structures® 138717A) .....	8.44	
11 68 13 00-1207	EA		Anti-Wrap, 2-3/8" Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 140739A) .....	94.58	6.90
11 68 13 00-1208	EA		(2) Aluminum Clevis Swing Hardware For Anti-Wrap Hanger With Bolts (Landscape Structures® 141267A) .....	58.54	5.52
11 68 13 00-1209	EA		65" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (8') (Landscape Structures® 141730A) .....	63.25	13.79
11 68 13 00-1210	EA		43-3/16" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (6) Toddler Swing (Landscape Structures® 141739A) .....	56.11	13.79
11 68 13 00-1211	EA		87-13/16" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (10') (Landscape Structures® 141766A) .....	81.42	13.79
11 68 13 00-1212	EA		29-7/8" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (6) Toddler Swing (Landscape Structures® 152016A) .....	52.86	13.79
11 68 13 00-1213	EA		49-13/16" Long, TenderTuff-Coated Chain, Brown, Tire Swing, Half-Bucket Seat (7') 2" Arch Swing (Landscape Structures® 152048A) .....	59.35	13.79
11 68 13 00-1214	EA		67-7/8" Long, TenderTuff-Coated Chain, Brown, Belt Seat (8'), Flat Seat (8') (Landscape Structures® 152050A) .....	65.84	13.79
11 68 13 00-1215	EA		76-7/16" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (10') (Landscape Structures® 152051A) .....	72.34	13.79

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment And Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1216 EA 90-11/16" Long, TenderTuff-Coated Chain, Brown, Belt Seat (10'), Flat Seat (10'), 16" Deck Ascending Chain (Landscape Structures® 152052A) .....	85.32	13.79
11 68 13 00-1217 EA 37-1/2" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (7) 2" Arch Swing (Landscape Structures® 152053A) .....	54.81	13.79
11 68 13 00-1218 EA 121-1/16" Long, TenderTuff-Coated Chain, Brown, Rear Chain for Molded Bucket Seat (8') (Landscape Structures® 152067A) .....	100.90	13.79
11 68 13 00-1219 EA Tire Swing Hanger, Stainless Steel, Excludes Chain, 1997 And Later (Landscape Structures® 121609A) .....	545.84	27.60
11 68 13 00-1220 EA Twin Rim Basketball Goal And Chain Net (Landscape Structures® 100080A) .....	211.25	13.79
11 68 13 00-1221 EA Twin Rim Basketball Goal And Nylon Net (Landscape Structures® 100081A) .....	204.76	13.79
11 68 13 00-1222 EA Nylon Basketball Net (Landscape Structures® 100082A) .....	29.67	6.90
11 68 13 00-1223 EA Chain Basketball Net (Landscape Structures® 100083A) .....	38.75	6.90
11 68 13 00-1224 EA Basketball Frame Set Only, Moveable (Landscape Structures® 100099A) .....	1,000.24	27.60
11 68 13 00-1225 EA Basketball Frame Set Only, Direct Bury (Landscape Structures® 100100A) .....	824.97	27.60
11 68 13 00-1226 EA Warning Label (Landscape Structures® 115176A) .....	0.13	
11 68 13 00-1227 EA PS Spare Parts Kit (Landscape Structures® 107040A) .....	44.14	
11 68 13 00-1228 EA PB Spare Parts Kit (Landscape Structures® 107043A) .....	96.07	
11 68 13 00-1229 EA Tire With Ring And Hardware, Excludes Chain (Landscape Structures® 107329A) .....	532.85	27.60
11 68 13 00-1230 EA 5" Swing Hanger Clamp Assembly, Complete, Excludes Chain (Landscape Structures® 111418A) .....	102.20	13.79
11 68 13 00-1231 EA Tire Swing Hanger, Stainless Steel, Excludes Chain, 1996 And Prior (Landscape Structures® 116997A) .....	636.72	27.60
<b>11 68 13 00-1232 Playground Equipment (Landscape Structures® Site Furniture) <small>(11 68 13 00-0121)</small></b>		
11 68 13 00-1233 EA 60" Recycled Contour Series Bench With Back, Surface Mount (Landscape Structures® 111640A) .....	1,060.71	50.60
11 68 13 00-1234 EA 60" Recycled Contour Series Bench Without Back, Surface Mount (Landscape Structures® 111640B) .....	529.89	41.39
11 68 13 00-1235 EA 60" Recycled Contour Series Bench With Back, Direct Bury (Landscape Structures® 111640C) .....	924.39	50.60
11 68 13 00-1236 EA 60" Recycled Contour Series Bench Without Back, Direct Bury (Landscape Structures® 111640D) .....	516.90	41.39
11 68 13 00-1237 EA 96" Recycled Contour Series Bench With Back, Surface Mount (Landscape Structures® 111640E) .....	1,547.57	50.60
11 68 13 00-1238 EA 96" Recycled Contour Series Bench Without Back, Surface Mount (Landscape Structures® 111640F) .....	705.16	41.39
11 68 13 00-1239 EA 96" Recycled Contour Series Bench With Back, Direct Bury (Landscape Structures® 111640G) .....	1,339.84	50.60
11 68 13 00-1240 EA 96" Recycled Contour Series Bench Without Back, Direct Bury (Landscape Structures® 111640H) .....	685.68	41.39
11 68 13 00-1241 EA Optional Brown Dome, Litter Receptacle (Landscape Structures® 100095A) .....	224.79	41.39
11 68 13 00-1242 EA 32-Gallon Polyethylene Container, Litter Receptacle (Landscape Structures® 141682A) .....	118.33	41.39
11 68 13 00-1243 EA Optional Cover for TenderTuff-Coated Litter Receptacle (Landscape Structures® 141686A) .....	163.95	36.79
11 68 13 00-1244 EA Litter Receptacle With Recycled Polyethylene Slats and Liner, (Direct Bury Only) (Landscape Structures® 100094A) .....	653.23	41.39
11 68 13 00-1245 EA Litter Receptacle With TenderTuff-Coated Panels and Liner, Direct Bury (Landscape Structures® 141685A) .....	563.83	36.79
11 68 13 00-1246 EA Litter Receptacle With TenderTuff-Coated Panels and Liner, Surface Mount (Landscape Structures® 141685B) .....	563.83	36.79
11 68 13 00-1247 EA Loop Rack, Direct Bury, Powdercoated (Landscape Structures® 100102A) .....	331.62	27.60
11 68 13 00-1248 EA Loop Rack, Direct Bury, TenderTuff-Coated (Landscape Structures® 100102B) .....	506.89	27.60
11 68 13 00-1249 EA 60" Poly Picnic Table, (2) 60" Seats, Moveable (Landscape Structures® 113139A) .....	1,612.65	137.97
11 68 13 00-1250 EA 60" Poly Picnic Table, (1) 60" Seat (2) 14" Seats, Moveable (Landscape Structures® 113139B) .....	1,547.73	137.97
11 68 13 00-1251 EA 60" Poly Picnic Table, (4) 14" Seats, Moveable (Landscape Structures® 113139C) .....	1,456.85	137.97
11 68 13 00-1252 EA 84" Poly Picnic Table, (2) 60" Seats, Moveable (Landscape Structures® 113139D) .....	2,047.58	137.97
11 68 13 00-1253 EA 84" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Moveable (Landscape Structures® 113139E) .....	1,976.17	137.97
11 68 13 00-1254 EA 84" Poly Picnic Table, (4) 14" Seats, Moveable (Landscape Structures® 113139F) .....	1,878.80	137.97
11 68 13 00-1255 EA 60" Poly Picnic Table, (2) 60" Seats, Direct Bury (Landscape Structures® 113139G) .....	1,697.04	137.97
11 68 13 00-1256 EA 60" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Direct Bury (Landscape Structures® 113139H) .....	1,612.65	137.97
11 68 13 00-1257 EA 60" Poly Picnic Table, (4) 14" Seats, Direct Bury (Landscape Structures® 113139I) .....	1,521.77	137.97
11 68 13 00-1258 EA 84" Poly Picnic Table, (2) 60" Seats, Direct Bury (Landscape Structures® 113139J) .....	2,131.97	137.97
11 68 13 00-1259 EA 84" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Direct Bury (Landscape Structures® 113139K) .....	2,047.58	137.97
11 68 13 00-1260 EA 84" Poly Picnic Table, (4) 14" Seats, Direct Bury (Landscape Structures® 113139L) .....	1,943.72	137.97
11 68 13 00-1261 EA 70" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088A) .....	529.89	41.39
11 68 13 00-1262 EA 70" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088B) .....	588.31	41.39
11 68 13 00-1263 EA 94" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088C) .....	575.33	41.39
11 68 13 00-1264 EA 94" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088D) .....	633.75	41.39
11 68 13 00-1265 EA 70" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088E) .....	802.53	41.39
11 68 13 00-1266 EA 70" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088F) .....	744.11	41.39
11 68 13 00-1267 EA 94" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088G) .....	854.46	41.39
11 68 13 00-1268 EA 94" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088H) .....	796.04	41.39
11 68 13 00-1269 EA Arm Rest, 1 Only, Fits All Benches With Back (Landscape Structures® 114767A) .....	111.46	9.20
11 68 13 00-1270 EA 72", TenderTuff-Coated Steel Bench With Back, Direct Bury (Landscape Structures® 141683A) .....	558.82	27.60
11 68 13 00-1271 EA 72", TenderTuff-Coated Steel Bench With Back, Surface Mount (Landscape Structures® 141683B) .....	571.80	27.60
11 68 13 00-1272 EA 72", TenderTuff-Coated Steel Bench Without Back, Direct Bury (Landscape Structures® 141683C) .....	351.09	27.60
11 68 13 00-1273 EA 72", TenderTuff-Coated Steel Bench Without Back, Surface Mount (Landscape Structures® 141683D) .....	370.57	27.60
11 68 13 00-1274 EA 92", TenderTuff-Coated Steel Bench With Back, Direct Bury (Landscape Structures® 141683E) .....	571.80	27.60
11 68 13 00-1275 EA 92", TenderTuff-Coated Steel Bench With Back, Surface Mount (Landscape Structures® 141683F) .....	597.77	27.60
11 68 13 00-1276 EA 92", TenderTuff-Coated Steel Bench Without Back, Direct Bury (Landscape Structures® 141683G) .....	370.57	27.60
11 68 13 00-1277 EA 92", TenderTuff-Coated Steel Bench Without Back, Surface Mount (Landscape Structures® 141683H) .....	396.53	27.60
11 68 13 00-1278 EA 72" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684A) .....	1,255.07	110.38
11 68 13 00-1279 EA 72" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684B) .....	1,319.98	110.38
11 68 13 00-1280 EA 92" TenderTuff-Coated Picnic Table, (2) 92" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684C) .....	1,326.47	110.38



<b>Equipment</b>	<b>11</b>
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>
<b>Play Field Equipment And Structures</b>	<b>11 68</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1281	EA		92" TenderTuff-Coated Picnic Table, (2) 92" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures@ 141684D).....	1,423.85	110.38
11 68 13 00-1282	EA		92" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures@ 141684E).....	1,294.02	110.38
11 68 13 00-1283	EA		92" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures@ 141684F).....	1,371.91	110.38
11 68 13 00-1284	EA		Square Picnic Table With 4 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures@ 154345A).....	1,300.33	23.00
11 68 13 00-1285	EA		Square Picnic Table With 3 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures@ 154345B).....	1,176.99	23.00
11 68 13 00-1286	EA		Square Picnic Table With 2 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures@ 154345C).....	1,073.13	23.00
11 68 13 00-1287	EA		Kish Valley Grill, (Direct Bury Only) (Landscape Structures@ 100101A).....	552.33	27.60
11 68 13 00-1288	EA		Loop Rack, Surface Mount, Powdercoated (Landscape Structures@ 100102C).....	467.94	27.60
11 68 13 00-1289	EA		Loop Rack, Surface Mount, TenderTuff-Coated (Landscape Structures@ 100102D).....	643.21	27.60
11 68 13 00-1290			<b>Gametime Playground Equipment (11 68 13)</b>		
11 68 13 00-1291			<b>Gametime Playground Equipment Models 200 To 8538 (11 68 13 00-1290)</b>		
11 68 13 00-1292	EA		Four Seat Buck-A-Bout 200.....	1,710.70	229.96
11 68 13 00-1293	EA		5 Goose/Brkaway Wh Alum (GameTime 201SS).....	1,370.44	187.64
11 68 13 00-1294	EA		4 Goose/Dbl Wh Alum (GameTime 203SS).....	1,240.11	169.71
11 68 13 00-1295	EA		5 Goose/Dbl Rim Wh Alum (GameTime 205SS).....	1,265.93	173.39
11 68 13 00-1296	EA		Top (GameTime 211).....	5.51	0.92
11 68 13 00-1297	EA		Clevis (GameTime 213).....	4.55	0.46
11 68 13 00-1298	EA		Two Seat Buck-A-Bout 243.....	1,937.59	217.54
11 68 13 00-1299	EA		Hi Sch Goose Goalposts-Wh (GameTime 250SS).....	5,699.89	780.48
11 68 13 00-1300	EA		Hi Sch Goose Goalposts-Yw (GameTime 251SS).....	5,699.89	780.48
11 68 13 00-1301	EA		Two-Leg Portable Bench, 6' (GameTime 252).....	610.38	83.70
11 68 13 00-1302	EA		Two-Leg Portable Bench, 8' (GameTime 253).....	716.19	97.96
11 68 13 00-1303	EA		Elephant Only 271.....	917.20	132.91
11 68 13 00-1304	EA		Pelican Only 274.....	917.20	132.91
11 68 13 00-1305	EA		Donkey Only 275.....	917.20	132.91
11 68 13 00-1306	EA		Rocket Only 276.....	917.20	132.91
11 68 13 00-1307	EA		Pony Only 279.....	917.20	132.91
11 68 13 00-1308	EA		Whale Animal Only 283.....	1,177.86	132.91
11 68 13 00-1309	EA		Whirl With Mechanical Brake 325.....	2,691.58	398.75
11 68 13 00-1310	EA		Frog Only 359.....	917.20	132.91
11 68 13 00-1311	EA		Swampy Only 360.....	917.20	132.91
11 68 13 00-1312	EA		Bumble Bee Only 361.....	917.20	132.91
11 68 13 00-1313	EA		Chicken Only 387.....	917.20	132.91
11 68 13 00-1314	EA		Duck Only 388.....	917.20	132.91
11 68 13 00-1315	EA		Stallion Only 391.....	917.20	132.91
11 68 13 00-1316	EA		Porpoise Only 393.....	917.20	132.91
11 68 13 00-1317	EA		Mini Bike Assembly 396.....	917.20	132.91
11 68 13 00-1318	EA		Critter Climber 402.....	2,692.56	442.90
11 68 13 00-1319	EA		Galvanized Steel Net-Pair 421.....	69.03	10.58
11 68 13 00-1320	EA		Super Goal With Steel Net 423.....	182.03	27.13
11 68 13 00-1321	EA		Double Rim Goal With Cloth Net 454.....	166.66	25.76
11 68 13 00-1322	EA		Cantilevered Post With 32" Extension 459.....	420.06	63.47
11 68 13 00-1323	EA		Cantilevered Post With 48" Extension 460.....	558.13	84.63
11 68 13 00-1324	EA		Cantilevered Post With 72" Extension 479.....	968.67	146.72
11 68 13 00-1325	EA		Bunker Hill 4-Way Climber P554.....	2,318.01	380.81
11 68 13 00-1326	EA		Curved Balance Beam 564.....	577.04	90.60
11 68 13 00-1327	EA		Satellite Climber Painted P607.....	2,727.49	444.74
11 68 13 00-1328	EA		Space Module 618.....	3,373.27	554.66
11 68 13 00-1329	EA		Dome Climber 655.....	1,142.11	187.64
11 68 13 00-1330	EA		Eagle's Perch 657.....	2,858.27	470.04
11 68 13 00-1331	EA		Super Goal With Nylon Net 664.....	149.93	22.54
11 68 13 00-1332	EA		5' Portable Bike Rack 705.....	342.10	49.67
11 68 13 00-1333	EA		5' Permanent Bike Rack 707.....	342.10	49.67
11 68 13 00-1334	EA		10' Portable Bike Rack 710.....	560.24	81.40
11 68 13 00-1335	EA		10' Permanent Bike Rack 711.....	560.24	81.40
11 68 13 00-1336	EA		20' Portable Bike Rack 720.....	1,115.50	161.90
11 68 13 00-1337	EA		20' Permanent Bike Rack 721.....	1,115.50	161.90
11 68 13 00-1338	EA		30' Portable Bike Rack 730.....	1,670.77	241.91
11 68 13 00-1339	EA		30' Permanent Bike Rack 731.....	1,670.77	241.91
11 68 13 00-1340	EA		T-Frame Swing Painted P831.....	1,415.94	212.94
11 68 13 00-1341	EA		Steel Rectangular Backboard 853.....	703.23	105.78
11 68 13 00-1342	EA		Cast Aluminum Fan Shaped Backboard 854.....	859.19	130.15
11 68 13 00-1343	EA		Ultimate Front Mount Goal 873.....	387.97	58.87
11 68 13 00-1344	EA		Heavy-Duty Flex Goal 874.....	357.05	54.27
11 68 13 00-1345	EA		Scrambler Whirl With Mechanical Brake 895.....	2,264.71	335.74
11 68 13 00-1346	EA		Rainbow Climber Painted P910.....	999.39	164.66
11 68 13 00-1347	EA		Whirl With Hydraulic Brake 919.....	5,196.47	770.83
11 68 13 00-1348	EA		Giant Muscle Man Climber Painted P954.....	5,340.41	878.44
11 68 13 00-1349	EA		Muscle Man Painted P963.....	2,983.93	491.20
11 68 13 00-1350	EA		Deluxe Mountain Climber Painted P988.....	3,066.62	504.99
11 68 13 00-1351	EA		Super Seat-2 999.....	143.79	21.15
11 68 13 00-1352	EA		Belt Seat 1047.....	106.58	15.18
11 68 13 00-1353	EA		Graduated Balance Beam 1313.....	698.05	110.38
11 68 13 00-1354	EA		2686 Enclosed Tot Seat, 3-1/2" Outside Diameter (GameTime 1470).....	347.65	47.37
11 68 13 00-1355	EA		2955 Belt Seat 3-1/2" Outside Diameter (GameTime 1483).....	291.37	40.01
11 68 13 00-1356	EA		Pogo Pole 1525.....	1,002.35	157.30

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment And Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1357	EA		Ragin' Rotator 1526 .....	1,067.42	167.87
11 68 13 00-1358	EA		Upper Body Trainer 1981 .....	1,678.80	264.45
11 68 13 00-1359	EA		Saddle Seat 2313 .....	165.71	24.37
11 68 13 00-1360	EA		Rainbow Arch 3087 .....	1,328.51	208.81
11 68 13 00-1361	EA		Super Mini 1 3129 .....	9,809.48	1,398.16
11 68 13 00-1362	EA		Omnitri Net (GameTime 3137) .....	30,389.91	4,160.44
11 68 13 00-1363	EA		KidNetix Apollo (GameTime 3140) .....	20,226.39	2,769.18
11 68 13 00-1364	EA		KidNetix Eclipse (GameTime 3144) .....	46,902.40	6,420.94
11 68 13 00-1365	EA		High Stepper Regular 3173 .....	21,191.73	3,020.30
11 68 13 00-1366	EA		High Stepper Medium 3174 .....	31,454.72	4,483.76
11 68 13 00-1367	EA		Two Towers Regular 3175 .....	38,808.48	5,532.84
11 68 13 00-1368	EA		Fourtress Courtyard 3176 .....	89,805.74	12,803.26
11 68 13 00-1369	EA		High Stepper Mini 3177 .....	18,031.04	2,570.04
11 68 13 00-1370	EA		High Stepper Large 3178 .....	49,095.31	6,999.53
11 68 13 00-1371	EA		Trident Regular 3179 .....	55,267.26	7,879.36
11 68 13 00-1372	EA		Fourtress 3182 .....	72,757.06	10,372.13
11 68 13 00-1373	EA		Hexamid Regular 3185 .....	27,005.63	3,850.45
11 68 13 00-1374	EA		2 To 5 Age Appropriate Sign 3778 .....	488.76	83.24
11 68 13 00-1375	EA		5 To 12 Age Appropriate Sign 3779 .....	526.78	86.00
11 68 13 00-1376	EA		Playcurbs With Color Option 3781 .....	111.56	16.55
11 68 13 00-1377	EA		Playcurbs - Black 3783 .....	91.73	13.79
11 68 13 00-1378	EA		Curved Playcurb Package 3790 .....	142.55	21.15
11 68 13 00-1379	EA		Curved Playcurb Package - Black 3791 .....	121.49	17.94
11 68 13 00-1380	EA		2' Playcurb Package 3792 .....	74.36	10.58
11 68 13 00-1381	EA		2' Playcurb Package - Black 3793 .....	69.42	10.58
11 68 13 00-1382	EA		Balance Beam 4625 .....	289.19	43.69
11 68 13 00-1383	EA		Therapeutic Balance Beam 4626 .....	721.11	109.00
11 68 13 00-1384	EA		Parallel Bar 30" 4627 .....	433.10	64.85
11 68 13 00-1385	EA		Parallel Bar 36" 4628 .....	441.46	66.69
11 68 13 00-1386	EA		Parallel Bar 40" 4629 .....	449.82	68.07
11 68 13 00-1387	EA		Parallel Bar 46" 4630 .....	492.61	74.05
11 68 13 00-1388	EA		Parallel Bar 50" 4631 .....	502.14	75.43
11 68 13 00-1389	EA		Parallel Bar 54" 4632 .....	509.33	77.27
11 68 13 00-1390	EA		Parallel Bar 58" 4633 .....	517.68	78.64
11 68 13 00-1391	EA		Click Wheel Assembly 4839 .....	83.89	11.49
11 68 13 00-1392	EA		Answer Wheel Assembly 4840 .....	232.61	31.73
11 68 13 00-1393	EA		Maze Wheel Assembly 4841 .....	120.76	21.15
11 68 13 00-1394	EA		Echo Chamber Assembly 4842 .....	100.08	13.71
11 68 13 00-1395	EA		Flat Mirror Assembly 4843 .....	165.05	28.51
11 68 13 00-1396	EA		Bubble Mirror Assembly 4844 .....	145.75	19.92
11 68 13 00-1397	EA		Stained Glass Assembly - Red 4845 .....	75.50	13.79
11 68 13 00-1398	EA		Stained Glass Assembly - Yellow 4846 .....	75.50	13.79
11 68 13 00-1399	EA		Hypo Wheel Assembly 4847 .....	134.64	18.40
11 68 13 00-1400	EA		8" Playcurb Package - Black 4850 .....	52.05	7.36
11 68 13 00-1401	EA		8" Playcurb Package 4851 .....	69.42	10.58
11 68 13 00-1402	EA		Playcurb ADAPTER-L-Black 4852 .....	95.43	13.79
11 68 13 00-1403	EA		Playcurb ADAPTER-R-Black 4853 .....	95.43	13.79
11 68 13 00-1404	EA		Accessible Playcurb - Black 4854 .....	435.05	63.47
11 68 13 00-1405	EA		Accessible Playcurb 4855 .....	606.08	87.85
11 68 13 00-1406	EA		Playcurb ADAPTER-L 4856 .....	105.35	15.18
11 68 13 00-1407	EA		Playcurb ADAPTER-R 4857 .....	105.35	15.18
11 68 13 00-1408	EA		Access Playcurb With ADAPTER - Black 4858 .....	478.44	69.45
11 68 13 00-1409	EA		Access Playcurb With ADAPTER 4859 .....	815.55	117.73
11 68 13 00-1410	EA		12" Playcurb Package Black 4860 .....	50.81	7.36
11 68 13 00-1411	EA		12" Playcurb Package 4861 .....	73.12	10.58
11 68 13 00-1412	EA		Inground Mount For Spring Rider 4880 .....	127.66	17.94
11 68 13 00-1413	EA		Van Spring Rider 4881 .....	915.97	132.91
11 68 13 00-1414	EA		Fire Truck Spring Rider 4882 .....	915.97	132.91
11 68 13 00-1415	EA		Dump Truck Spring Rider 4883 .....	915.97	132.91
11 68 13 00-1416	EA		Coil Spring Mounted 4888 .....	177.24	25.76
11 68 13 00-1417	EA		Rubber Spring Loose Fill 4889 .....	342.10	49.67
11 68 13 00-1418	EA		" C" Spring Surface Mount 4890 .....	164.86	24.37
11 68 13 00-1419	EA		Coil Spring Mounted Loose Fill 4891 .....	250.37	36.33
11 68 13 00-1420	EA		Rubber Spring 4892 .....	262.75	37.72
11 68 13 00-1421	EA		" C" Spring-Loose Fill 4893 .....	240.45	34.96
11 68 13 00-1422	EA		Skyrun Zipline 100' (GameTime 5112) .....	16,536.70	2,263.72
11 68 13 00-1423	EA		Cantilver Swing Single (Belt Seats) (GameTime 5119) .....	6,967.58	953.87
11 68 13 00-1424	EA		Xscape Swing Aab 3 1/2" X 8' (GameTime 5148) .....	930.41	127.40
11 68 13 00-1425	EA		Express Swing With Todd Seat 3 1/2" x 8' (GameTime 5158) .....	1,820.77	249.27
11 68 13 00-1426	EA		Express Swing With Todd Seat 5" x 8' (GameTime 5159) .....	1,820.77	249.27
11 68 13 00-1427	EA		Expression Swing w Adaptive Seat 3 1/2 (GameTime 5165) .....	2,245.96	307.69
11 68 13 00-1428	EA		Expression Swing w Adaptive Seat 5" (GameTime 5166) .....	2,245.96	307.69
11 68 13 00-1429	EA		Dinosaur Saddlemate Jurassic Green 6051 .....	1,193.56	172.47
11 68 13 00-1430	EA		Two Seater Fire Chief 6054 .....	1,198.55	173.85
11 68 13 00-1431	EA		Race Car Saddlemate 6056 .....	1,198.55	173.85
11 68 13 00-1432	EA		Police Car Saddlemate 6057 .....	1,198.55	173.85
11 68 13 00-1433	EA		Two Seater Jeep 6058 .....	1,198.55	173.85
11 68 13 00-1434	EA		Two Seater Taxi 6059 .....	1,198.55	173.85
11 68 13 00-1435	EA		Dinosaur Saddlemate Purple 6063 .....	1,198.55	173.85
11 68 13 00-1436	EA		Jumbo Flyer 6064 .....	1,198.55	173.85
11 68 13 00-1437	EA		Dinosaur In Ground Mount 6065 .....	452.38	64.85



<b>Equipment</b>	<b>11</b>
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>
<b>Play Field Equipment And Structures</b>	<b>11 68</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68	13 00-1438	EA	Spring Pod 6067.....	2,766.88	454.86
11 68	13 00-1439	EA	Balance Pod 6068.....	1,567.85	258.48
11 68	13 00-1440	EA	Xcelerator 6069.....	2,252.72	370.24
11 68	13 00-1441	EA	Space Whirl 6118.....	6,479.92	961.69
11 68	13 00-1442	EA	Spring Mini Pod 6140.....	331.60	54.27
11 68	13 00-1443	EA	Mini Pod Toad Stool 6141.....	227.05	37.72
11 68	13 00-1444	EA	Whirlwind Seat Tilted 6142.....	643.64	105.78
11 68	13 00-1445	EA	Whirlwind Seat Straight 6143.....	607.59	99.81
11 68	13 00-1446	EA	Backhoe Digger 6199.....	890.77	140.73
11 68	13 00-1447	EA	Sky Runner 6200.....	2,139.41	352.30
11 68	13 00-1448	EA	Tilted Sky Runner 6201.....	3,377.74	556.50
11 68	13 00-1449	EA	Mini Sky Runner 6202.....	1,109.61	183.05
11 68	13 00-1450	EA	Shadow Play Sky Runner (GameTime 6237).....	6,000.95	821.41
11 68	13 00-1451	EA	Shadow Play Flower (GameTime 6238).....	4,965.04	679.77
11 68	13 00-1452	EA	Shadow Play Tri Runner (GameTime 6242).....	15,405.80	2,109.20
11 68	13 00-1453	EA	Space Loop Climb 6415.....	2,607.30	429.57
11 68	13 00-1454	EA	Wum Climber 6484.....	5,146.39	846.71
11 68	13 00-1455	EA	Star Gazer 6486.....	2,800.44	461.30
11 68	13 00-1456	EA	2 Way Coaster Climber 6487.....	1,499.93	246.51
11 68	13 00-1457	EA	Space Arch 6510.....	939.19	154.08
11 68	13 00-1458	EA	Li'l Wum Climber 6584.....	3,115.45	512.35
11 68	13 00-1459	EA	4 Way Coaster Climber 6587.....	2,858.27	470.04
11 68	13 00-1460	EA	Choo-Choo Climber 7000.....	5,717.58	940.53
11 68	13 00-1461	EA	Caboose Climber 7001.....	5,927.37	975.03
11 68	13 00-1462	EA	Fire Engine Climber 7002.....	6,625.42	1,090.01
11 68	13 00-1463	EA	Spiral Game 7035.....	1,491.60	234.10
11 68	13 00-1464	EA	Solar System Game 7036.....	1,543.13	243.30
11 68	13 00-1465	EA	Multi-Directional TaLink Tube 7037.....	835.69	137.52
11 68	13 00-1466	EA	Telescope 7038.....	862.98	142.12
11 68	13 00-1467	EA	Kaleidoscope 7039.....	917.55	151.31
11 68	13 00-1468	EA	4' Chimney 7040.....	1,249.15	205.58
11 68	13 00-1469	EA	8' Chimney 7041.....	2,571.42	423.12
11 68	13 00-1470	EA	4' Vertical Wall 7042.....	884.63	145.33
11 68	13 00-1471	EA	8' Vertical Wall 7043.....	1,723.86	284.23
11 68	13 00-1472	EA	4' Corner 7044.....	585.94	96.58
11 68	13 00-1473	EA	8' Corner 7045.....	1,044.19	172.47
11 68	13 00-1474	EA	4' Transition Wall Left 7046.....	713.63	117.73
11 68	13 00-1475	EA	4' Transition Wall Right 7047.....	633.85	104.40
11 68	13 00-1476	EA	8' Transition Wall Left 7048.....	1,423.70	234.10
11 68	13 00-1477	EA	8' Transition Wall Right 7049.....	1,690.94	278.25
11 68	13 00-1478	EA	4' Volcano Climber 7050.....	3,163.59	520.17
11 68	13 00-1479	EA	6' Volcano Climber 7051.....	5,126.38	843.50
11 68	13 00-1480	EA	8' Volcano Climber 7052.....	6,965.62	1,146.12
11 68	13 00-1481	EA	4' Hi Ribbon Wall 7053.....	3,968.88	653.08
11 68	13 00-1482	EA	8' Hi Ribbon Wall 7054.....	7,585.54	1,248.68
11 68	13 00-1483	EA	4' " S" Wall Climber 7055.....	2,707.86	446.12
11 68	13 00-1484	EA	8' " S" Wall Climber 7056.....	5,989.34	985.61
11 68	13 00-1485	EA	8' Chimney Overhang 7057.....	1,320.19	217.54
11 68	13 00-1486	EA	8' Vertical Wall Overhang 7058.....	998.37	164.66
11 68	13 00-1487	EA	4' End Strut 7061.....	158.09	25.76
11 68	13 00-1488	EA	8' End Strut 7062.....	281.62	46.91
11 68	13 00-1489	EA	6' Cosmix Climber, 7063.....	1,389.74	228.12
11 68	13 00-1490	EA	8' Cosmix Climber, 7064.....	1,425.77	234.10
11 68	13 00-1491	EA	6' Cosmix Arch, 7065.....	2,418.52	397.38
11 68	13 00-1492	EA	8' Cosmix Arch, 7066.....	2,464.35	405.19
11 68	13 00-1493	EA	6' Cosmix Station, 7067.....	3,462.72	569.84
11 68	13 00-1494	EA	8' Cosmix Station 7068.....	3,493.11	574.44
11 68	13 00-1495	EA	Soft Step 7099.....	339.32	56.11
11 68	13 00-1496	EA	9 Position Loop Rack Flush Mount F7700.....	413.99	60.25
11 68	13 00-1497	EA	9 Position Loop Bike Rack 7700.....	347.03	49.67
11 68	13 00-1498	EA	7 Position Loop Rack Flush Mount F7702.....	366.86	52.89
11 68	13 00-1499	EA	7 Position Loop Bike Rack 7702.....	302.43	43.69
11 68	13 00-1500	EA	5 Position Loop Rack Flush Mount F7703.....	290.04	42.31
11 68	13 00-1501	EA	5 Position Loop Bike Rack 7703.....	223.08	31.73
11 68	13 00-1502	EA	Plain Bollard Bike Rack Inground 8350.....	207.00	30.36
11 68	13 00-1503	EA	Double Bollard Bike Rack Inground 8352.....	262.75	37.72
11 68	13 00-1504	EA	Plain Bollard Bike Rack 8354.....	226.83	33.12
11 68	13 00-1505	EA	Double Bollard Bike Rack 8356.....	282.59	40.93
11 68	13 00-1506	EA	Enclosed Tot Seat 8520.....	210.70	30.36
11 68	13 00-1507	EA	Adaptive Swing With Rungs, 2-3/8" 8530.....	770.95	111.76
11 68	13 00-1508	EA	Adaptive Swing With Chain, 2-3/8" 8531.....	562.71	81.40
11 68	13 00-1509	EA	Adaptive Swing With Coated Chain, 2-3/8" 8532.....	655.68	95.21
11 68	13 00-1510	EA	Single Tower Challenge 8533.....	11,124.49	1,830.94
11 68	13 00-1511	EA	Adaptive Swing With Rungs, 3-1/2" 8536.....	770.95	111.76
11 68	13 00-1512	EA	Adaptive Swing With Chain, 3-1/2" 8537.....	562.71	81.40
11 68	13 00-1513	EA	Adaptive Swing With Coated Chain, 3-1/2" 8538.....	655.68	95.21
11 68	13 00-1514	EA	GT Stockcar 8658.....	1,608.79	232.72
11 68	13 00-1515		<b>Gametime Playground Equipment Models 8659 To 16809</b> <small>(11 68 13 00-1290)</small>		
11 68	13 00-1516	EA	Safety Belt - GT Stockcar 8659.....	65.68	9.20

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment And Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1517	EA		WaLinking The Plank 8662.....	1,249.88	196.39
11 68 13 00-1518	EA		Inchworm Climber 8665.....	1,441.50	226.74
11 68 13 00-1519	EA		90 Degree Caterpillar 8666.....	1,224.98	200.99
11 68 13 00-1520	EA		Swivel Meister 8671.....	1,149.80	189.03
11 68 13 00-1521	EA		Log Roll 8674.....	958.06	151.31
11 68 13 00-1522	EA		Side Stepper 8683.....	1,509.78	247.90
11 68 13 00-1523	EA		Side Stepper 8687.....	1,831.50	300.79
11 68 13 00-1524	EA		Super Seat-2 With Clevis 8690.....	156.16	22.54
11 68 13 00-1525	EA		Belt Seat With Clevis 8691.....	107.82	15.18
11 68 13 00-1526	EA		Enclosed Tot Seat With Clevis 8693.....	237.98	34.96
11 68 13 00-1527	EA		Double Tower 8694.....	20,616.69	3,392.37
11 68 13 00-1528	EA		Enclosed Tot Seat With Clevis, 2-3/8" CC8695.....	459.83	66.69
11 68 13 00-1529	EA		Enclosed Tot Seat With Clevis, 2-3/8" 8695.....	378.03	54.27
11 68 13 00-1530	EA		Enclosed Tot Seat With Clevis, 3-1/2" CC8696.....	470.98	68.07
11 68 13 00-1531	EA		Enclosed Tot Seat With Clevis, 3-1/2" 8696.....	389.17	56.11
11 68 13 00-1532	EA		Climber Base 5", CSC 8755.....	3,539.98	581.80
11 68 13 00-1533	EA		Climber Base 3 1/2", CSC 8756.....	3,539.98	581.80
11 68 13 00-1534	EA		Arch Climber, CSC 8770.....	837.76	137.52
11 68 13 00-1535	EA		Bubble Climber, CSC 8771.....	853.18	140.73
11 68 13 00-1536	EA		Chain Link Climber, CSC 8772.....	760.49	125.56
11 68 13 00-1537	EA		Chain Net Climber With Rails, CSC 8773.....	1,175.00	193.63
11 68 13 00-1538	EA		Chain Net Climber, CSC 8774.....	889.22	146.72
11 68 13 00-1539	EA		Clover Climber, CSC 8775.....	998.37	164.66
11 68 13 00-1540	EA		Corkscrew Climber, CSC 8777.....	807.36	132.91
11 68 13 00-1541	EA		Crazy Eight Climber, CSC 8778.....	917.55	151.31
11 68 13 00-1542	EA		Spiny Arch Climber, CSC 8779.....	947.95	155.91
11 68 13 00-1543	EA		Tree Climber, CSC 8780.....	790.90	130.15
11 68 13 00-1544	EA		Wavy Tree Climber, CSC 8781.....	901.09	148.09
11 68 13 00-1545	EA		Zipper Climber, CSC 8782.....	1,122.50	184.43
11 68 13 00-1546	EA		Climbing Pole, CSC 8783.....	496.37	81.40
11 68 13 00-1547	EA		Super Seat-2 With Clevis, 2-3/8" 8904.....	323.49	46.91
11 68 13 00-1548	EA		Super Seat-2 With Clevis, 2-3/8" 8905.....	333.41	48.30
11 68 13 00-1549	EA		Super Seat-2 With Clevis, 3-1/2" 8906.....	334.65	48.30
11 68 13 00-1550	EA		Super Seat-2 With Clevis, 3-1/2" 8907.....	344.57	49.67
11 68 13 00-1551	EA		Belt Seat With Clevis, 2-3/8" CC8908.....	355.71	51.51
11 68 13 00-1552	EA		Belt Seat With Clevis, 2-3/8" 8908.....	273.91	39.09
11 68 13 00-1553	EA		Belt Seat With Clevis, 2-3/8" CC8909.....	378.03	54.27
11 68 13 00-1554	EA		Belt Seat With Clevis, 2-3/8" 8909.....	283.82	40.93
11 68 13 00-1555	EA		Belt Seat With Clevis, 3-1/2" CC8910.....	366.86	52.89
11 68 13 00-1556	EA		Belt Seat With Clevis, 3-1/2" 8910.....	291.36	39.87
11 68 13 00-1557	EA		Belt Seat With Clevis, 3-1/2" CC8911.....	389.17	56.11
11 68 13 00-1558	EA		Belt Seat With Clevis, 3-1/2" 8911.....	294.97	42.31
11 68 13 00-1559	EA		Handi-Swing Seat, 2-3/8" 8912.....	1,213.41	175.23
11 68 13 00-1560	EA		Handi-Swing Seat, 3-1/2" 8913.....	1,224.54	177.07
11 68 13 00-1561	EA		Enclosed Tot Seat CC8914.....	482.14	69.45
11 68 13 00-1562	EA		Enclosed Tot Seat 8914.....	416.47	60.25
11 68 13 00-1563	EA		Super Seat-2 8917.....	361.93	52.89
11 68 13 00-1564	EA		Belt Seat CC8918.....	394.16	57.49
11 68 13 00-1565	EA		Belt Seat 8918.....	312.35	45.54
11 68 13 00-1566	EA		Super Seat, 2-3/8" CC8924.....	405.30	58.87
11 68 13 00-1567	EA		Super Seat, 2-3/8" CC8925.....	427.61	62.09
11 68 13 00-1568	EA		Super Seat, 3-1/2" CC8926.....	416.47	60.25
11 68 13 00-1569	EA		Super Seat-2, 3-1/2" CC8927.....	438.75	63.47
11 68 13 00-1570	EA		Super Seat-2, 2-3/8" CC8929.....	441.22	63.47
11 68 13 00-1571	EA		Castle Rock 8930.....	17,557.75	2,888.76
11 68 13 00-1572	EA		Around The Bend 8931.....	14,002.32	2,303.74
11 68 13 00-1573	EA		Tot Rock 8932.....	6,780.26	1,115.77
11 68 13 00-1574	EA		Handi-Swing Seat, 2-3/8" 9802.....	1,178.69	170.63
11 68 13 00-1575	EA		Handi-Swing Seat, 3-1/2" 9803.....	1,189.88	172.47
11 68 13 00-1576	EA		8' Toss'N Score - Clowns 9815.....	1,070.97	161.90
11 68 13 00-1577	EA		8' Toss'N Score - Silhouette 9816.....	973.35	146.72
11 68 13 00-1578	EA		10' Toss'N Score - Clowns 9817.....	1,124.46	169.25
11 68 13 00-1579	EA		10' Toss'N Score - Silhouette 9818.....	1,029.35	155.91
11 68 13 00-1580	EA		Sandbox, Elevated 9835.....	1,193.94	187.64
11 68 13 00-1581	EA		8' Toss'N Score With Numbers 9847.....	865.03	130.15
11 68 13 00-1582	EA		10' Toss'N Score With Numbers 9849.....	921.04	138.90
11 68 13 00-1583	EA		Backhoe Digger - Wheelchair Access 9899.....	890.77	140.73
11 68 13 00-1584	EA		Adaptive Swing Seat 10178.....	785.79	113.60
11 68 13 00-1585	EA		Single Place HandiSwing 10390.....	3,886.66	586.40
11 68 13 00-1586	EA		Single Add-A-Bay HandiSwing 10391.....	2,826.22	426.35
11 68 13 00-1587	EA		Single Post Swing 10740.....	988.92	149.48
11 68 13 00-1588	EA		Single Post Add-A-Bay 10741.....	692.53	104.40
11 68 13 00-1589	EA		Toad Stool Seat 10768.....	345.56	54.27
11 68 13 00-1590	EA		Tire Swing 10777.....	3,605.72	544.08
11 68 13 00-1591	EA		Tire Swing Add-A-Bay 10778.....	2,624.91	395.99
11 68 13 00-1592	EA		Two-Place Swing 10847.....	2,695.30	406.57
11 68 13 00-1593	EA		Two-Place Swing Add-A-Bay 10848.....	1,780.18	269.05
11 68 13 00-1594	EA		Stepping Stones - 3 Step 10967.....	974.20	160.05
11 68 13 00-1595	EA		Stepping Stones - 5 Step 10968.....	1,616.80	266.30
11 68 13 00-1596	EA		3-1/2" Upright Assembly, Aluminum 8' (GameTime 12023).....	227.48	31.27
11 68 13 00-1597	EA		3-1/2" Upright Assembly, Aluminum 9' (GameTime 12024).....	252.77	34.49



<b>Equipment</b>	<b>11</b>
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>
<b>Play Field Equipment And Structures</b>	<b>11 68</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68	13 00-1598	EA	Instructional Sign Frame 13100.....	461.69	69.45
11 68	13 00-1599	EA	Welcome Sign 13101.....	460.52	69.45
11 68	13 00-1600	EA	Heart Check Sign 13102.....	460.52	69.45
11 68	13 00-1601	EA	Exercise Series Sign 1 13103.....	460.52	69.45
11 68	13 00-1602	EA	Exercise Series Sign 2 13104.....	460.52	69.45
11 68	13 00-1603	EA	Exercise Series Sign 3 13105.....	460.52	69.45
11 68	13 00-1604	EA	Exercise Series Sign 4 13106.....	460.52	69.45
11 68	13 00-1605	EA	Stretchguide Sign 13107.....	460.52	69.45
11 68	13 00-1606	EA	Joint Use Series Sign 1 13108.....	460.52	69.45
11 68	13 00-1607	EA	Joint Use Series Sign 2 13109.....	460.52	69.45
11 68	13 00-1608	EA	Joint Use Series Sign 3 13110.....	460.52	69.45
11 68	13 00-1609	EA	Joint Use Series Sign 4 13111.....	460.52	69.45
11 68	13 00-1610	EA	Joint-Use Exercise Sign 13112.....	460.52	69.45
11 68	13 00-1611	EA	Welcome Sign 13113.....	460.52	69.45
11 68	13 00-1612	EA	Achilles Stretch Sign 13114.....	291.52	43.69
11 68	13 00-1613	EA	Hamstring Stretch Sign 13115.....	291.52	43.69
11 68	13 00-1614	EA	Sit And Reach Sign 13116.....	291.52	43.69
11 68	13 00-1615	EA	Knee Lift Sign 13117.....	291.52	43.69
11 68	13 00-1616	EA	Log Hop Sign 13118.....	291.52	43.69
11 68	13 00-1617	EA	Half Knee Bends Sign 13119.....	291.52	43.69
11 68	13 00-1618	EA	Body Curl Sign 13120.....	291.52	43.69
11 68	13 00-1619	EA	Chin Up Sign 13121.....	291.52	43.69
11 68	13 00-1620	EA	Bench Curl Sign 13122.....	291.52	43.69
11 68	13 00-1621	EA	Sit-Up Sign 13123.....	291.52	43.69
11 68	13 00-1622	EA	Vault Bar Sign 13124.....	291.52	43.69
11 68	13 00-1623	EA	Push-Up Sign 13125.....	291.52	43.69
11 68	13 00-1624	EA	Bench Dip Sign 13126.....	291.52	43.69
11 68	13 00-1625	EA	Bench Leg Raise Sign 13127.....	291.52	43.69
11 68	13 00-1626	EA	Leg Stretch Sign 13128.....	291.52	43.69
11 68	13 00-1627	EA	Finish Sign 13129.....	291.52	43.69
11 68	13 00-1628	EA	Achilles Stretch Station 13132.....	252.23	37.72
11 68	13 00-1629	EA	Sit And Reach Station 13133.....	578.36	87.85
11 68	13 00-1630	EA	Leg Stretch Station 13134.....	368.92	56.11
11 68	13 00-1631	EA	Stretch Bar Station 13135.....	523.53	78.64
11 68	13 00-1632	EA	Vault Bar Station 13136.....	680.66	103.02
11 68	13 00-1633	EA	Sit-Up Station 13137.....	860.36	130.15
11 68	13 00-1634	EA	Push-Up Station 13138.....	548.61	83.24
11 68	13 00-1635	EA	Chin Up Station 13139.....	943.60	142.12
11 68	13 00-1636	EA	Knee-Lift Station 13140.....	321.27	48.30
11 68	13 00-1637	EA	Body-Curl Station 13141.....	1,113.77	167.87
11 68	13 00-1638	EA	Kidcourse Log-Hop 13142.....	829.43	125.56
11 68	13 00-1639	EA	Bench Dip Station 13143.....	1,034.03	155.91
11 68	13 00-1640	EA	Bench Curl Station 13144.....	881.76	132.91
11 68	13 00-1641	EA	Sit And Reach Station 13147.....	874.56	131.54
11 68	13 00-1642	EA	Shoulder Stretch Station 13148.....	307.07	46.91
11 68	13 00-1643	EA	Sit-Up Station 13149.....	1,014.97	152.69
11 68	13 00-1644	EA	Joint Use Chin Up Station 13150.....	882.92	132.91
11 68	13 00-1645	EA	Horizontal Chin Up Station 13153.....	1,350.64	204.21
11 68	13 00-1646	EA	Back Stretch Station 13154.....	922.21	138.90
11 68	13 00-1647	EA	Hamstring Stretch Station 13155.....	338.00	51.51
11 68	13 00-1648	EA	Half Knee Bends Station 13156.....	470.05	70.82
11 68	13 00-1649	EA	Kidcourse Sit-Up Bench 13157.....	1,004.27	151.31
11 68	13 00-1650	EA	Bench Leg Raise Station 13158.....	1,412.47	212.94
11 68	13 00-1651	EA	Fitcircuit Sign Frames 13161.....	278.49	42.31
11 68	13 00-1652	EA	Sign Back 13162.....	314.08	46.91
11 68	13 00-1653	EA	Parcourse Fit Center 13200.....	14,040.16	2,117.93
11 68	13 00-1654	EA	Parcourse Introduction Sign 13205.....	1,461.29	220.76
11 68	13 00-1655	EA	Parcourse Fitquad-1 13206.....	3,236.66	488.44
11 68	13 00-1656	EA	Parcourse Fitquad-2 13207.....	3,641.18	548.69
11 68	13 00-1657	EA	Parcourse Fitquad-3 13208.....	3,767.38	568.47
11 68	13 00-1658	EA	Parcourse Fitquad-4 13209.....	4,135.12	624.57
11 68	13 00-1659	EA	Stretch Guide 13214.....	3,298.51	497.17
11 68	13 00-1660	EA	Parcourse Joint-Use Fit Center 13215.....	19,762.64	2,981.21
11 68	13 00-1661	EA	Parcourse Fitquad-1 13218.....	3,499.59	527.53
11 68	13 00-1662	EA	Parcourse Fitquad-2 13219.....	4,890.66	737.71
11 68	13 00-1663	EA	Parcourse Fitquad-3 13220.....	4,678.88	705.98
11 68	13 00-1664	EA	Parcourse Fitquad-4 13221.....	5,120.34	772.66
11 68	13 00-1665	EA	Joint-Use Stretch Guide 13224.....	3,543.73	535.35
11 68	13 00-1666	EA	Parcourse Fit Circuit 13225.....	17,479.09	2,636.73
11 68	13 00-1667	EA	Sway Steps (Youth) (GameTime 13612).....	14,425.76	1,974.90
11 68	13 00-1668	EA	Floating Boards (Youth) (GameTime 13613).....	12,314.43	1,686.06
11 68	13 00-1669	EA	Traverse Wall (Youth) (GameTime 13617).....	8,950.11	1,225.22
11 68	13 00-1670	EA	Ramp Link 6" Rise 16500.....	2,588.24	441.53
11 68	13 00-1671	EA	36" Square Deck ADA 16501.....	601.41	103.02
11 68	13 00-1672	EA	Rectangle Deck ADA 16502.....	750.78	128.32
11 68	13 00-1673	EA	Crows Nest With Access Steering Wheel 16504.....	1,246.00	212.94
11 68	13 00-1674	EA	Ramp Attachment 6" Rise 16507.....	2,853.21	486.60
11 68	13 00-1675	EA	45" Square Deck ADA 16508.....	900.15	154.08
11 68	13 00-1676	EA	Ramp Link 12" Rise 16512.....	5,102.05	870.63
11 68	13 00-1677	EA	Ramp Attachment 12" Rise 16513.....	5,323.86	908.34
11 68	13 00-1678	EA	45-1/2" Triangle Deck 16515.....	555.28	95.21



**11 Equipment**  
**11 60 Entertainment and Recreation Equipment**  
**11 68 Play Field Equipment And Structures**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1679	EA		ADA Crow' S Nest 16522.....	1,106.07	189.03
11 68 13 00-1680	EA		ADA Crows Nest With Gizmo 16523.....	1,264.85	216.17
11 68 13 00-1681	EA		Telescope Crow' S Nest 16524.....	2,072.19	353.68
11 68 13 00-1682	EA		Kaleidoscope Crow' S Nest 16525.....	1,903.96	325.17
11 68 13 00-1683	EA		ADA 49" Square Punch Steel Deck 16700.....	947.92	164.66
11 68 13 00-1684	EA		ADA 49" Tri Punch Steel Deck 16701.....	545.80	95.21
11 68 13 00-1685	EA		1'-0" Berm - 1'-6" Deck Ramp 16706.....	2,970.87	516.95
11 68 13 00-1686	EA		Grade - 1'-0"Deck Ramp 16712.....	4,283.95	745.07
11 68 13 00-1687	EA		98" ADA Ramp Link 16716.....	3,213.35	559.26
11 68 13 00-1688	EA		147" ADA Ramp Link 16717.....	5,692.91	990.21
11 68 13 00-1689	EA		98" Flat Ramp ADA 16718.....	3,015.17	524.77
11 68 13 00-1690	EA		147" Flat Ramp ADA 16719.....	5,257.67	914.78
11 68 13 00-1691	EA		Crow' S Nest Platform ADA 16720.....	1,112.01	193.63
11 68 13 00-1692	EA		Crow' S Nest With Steering Wheel ADA 16721.....	1,269.74	220.76
11 68 13 00-1693	EA		ADA Crows Nest With Gizmo 16723.....	1,283.41	223.52
11 68 13 00-1694	EA		Crow' S Nest With Accessories Wheel 16726.....	1,475.24	257.09
11 68 13 00-1695	EA		Veranda ADA 16727.....	1,233.73	214.78
11 68 13 00-1696	EA		Bigfoot Slide ADA 16728.....	4,936.81	858.67
11 68 13 00-1697	EA		Sky Bridge - ADA 16730.....	5,938.87	1,033.90
11 68 13 00-1698	EA		90 Degree Curved Bridge 16749.....	4,603.83	801.19
11 68 13 00-1699	EA		S Curved Bridge 16750.....	8,729.08	1,519.12
11 68 13 00-1700	EA		5'-0" Treescape With Deck 16751.....	5,437.36	946.52
11 68 13 00-1701	EA		6'-0" Treescape With Deck 16753.....	5,619.94	978.25
11 68 13 00-1702	EA		7'-0" Treescape With Deck 16755.....	5,802.50	1,009.98
11 68 13 00-1703	EA		8'-0" Treescape With Deck 16757.....	5,985.08	1,041.72
11 68 13 00-1704	EA		1'-0" Pentagonal Deck 16766.....	3,701.17	643.89
11 68 13 00-1705	EA		2'-0" Pentagonal Deck 16768.....	3,735.26	649.87
11 68 13 00-1706	EA		3'-0" Pentagonal Deck 16770.....	3,769.35	656.31
11 68 13 00-1707	EA		4'-0" Pentagonal Deck 16772.....	3,803.45	662.29
11 68 13 00-1708	EA		5'-0" Pentagonal Deck 16774.....	3,837.53	668.26
11 68 13 00-1709	EA		6'-0" Pentagonal Deck 16776.....	3,871.62	674.24
11 68 13 00-1710	EA		7'-0" Pentagonal Deck 16778.....	3,903.19	678.84
11 68 13 00-1711	EA		8'-0" Pentagonal Deck 16780.....	3,937.28	684.83
11 68 13 00-1712	EA		Telescope Crow' S Nest 16801.....	1,970.38	343.11
11 68 13 00-1713	EA		Kaleidoscope Crow' S Nest 16802.....	1,930.89	335.74
11 68 13 00-1714	EA		ADA Wide Triangular Platform 16803.....	814.09	142.12
11 68 13 00-1715	EA		ADA Wide Ramp 98" Link 16804.....	4,302.42	748.29
11 68 13 00-1716	EA		ADA Wide Ramp 147" Link 16805.....	6,367.75	1,107.95
11 68 13 00-1717	EA		ADA 6" Stepped Platform 16806.....	1,119.33	195.00
11 68 13 00-1718	EA		ADA Wide Ramp 16808.....	4,716.30	820.96
11 68 13 00-1719	EA		ADA Wide Ramp 16809.....	6,810.32	1,185.22
<b>11 68 13 00-1720 Gametime Playground Equipment Models 16811 To 80110 (11 68 13 00-1290)</b>					
11 68 13 00-1721	EA		Switchback Link 98" 16811.....	171.41	30.36
11 68 13 00-1722	EA		Switchback Link 147" 16812.....	223.99	39.09
11 68 13 00-1723	EA		ADA 12" Stepped Platform 16813.....	1,275.13	222.14
11 68 13 00-1724	EA		Adaptive Swing Safety Belt 17247.....	142.55	21.15
11 68 13 00-1725	EA		Adapt Swing Seat 17255.....	562.71	81.40
11 68 13 00-1726	EA		Adapt Swing Seat 17256.....	675.50	98.42
11 68 13 00-1727	EA		36" Sq Punched Deck P/T 1,3125 (GameTime 18200).....	656.18	89.69
11 68 13 00-1728	EA		36" Tri Punched Deck P/T (GameTime 18201).....	428.69	58.87
11 68 13 00-1729	EA		Upper Body Trainer F/S (GameTime 18282).....	2,785.92	381.27
11 68 13 00-1730	EA		Entry Way (GameTime 19001).....	295.23	40.48
11 68 13 00-1731	EA		Single Gizmo Panel (GameTime 19002).....	448.91	61.63
11 68 13 00-1732	EA		Decorative Panel (GameTime 19003).....	448.91	61.63
11 68 13 00-1733	EA		Transfer Platform With Barrier (3') (GameTime 19013).....	2,318.38	317.35
11 68 13 00-1734	EA		Clover Leaf (2' And 2'-6") (GameTime 19105).....	1,193.06	163.27
11 68 13 00-1735	EA		Wave Zip Slide (2'-6" And 3') (GameTime 19122).....	1,145.53	156.84
11 68 13 00-1736	EA		Toddler 2 20002.....	6,096.54	935.94
11 68 13 00-1737	EA		Toddler 5 20005.....	7,471.33	1,146.12
11 68 13 00-1738	EA		Toddler 6 20006.....	9,877.13	1,514.98
11 68 13 00-1739	EA		Toddler 7 20007.....	12,147.35	1,864.06
11 68 13 00-1740	EA		Toddler 9 20010.....	9,029.93	1,384.82
11 68 13 00-1741	EA		Crawler 2 20017.....	5,043.38	774.05
11 68 13 00-1742	EA		Crawler 3 20018.....	6,170.15	946.52
11 68 13 00-1743	EA		WaLinker 2 20019.....	12,202.24	1,871.42
11 68 13 00-1744	EA		WaLinker 3 20020.....	13,887.24	2,129.89
11 68 13 00-1745	EA		WaLinker 4 20021.....	15,231.81	2,337.32
11 68 13 00-1746	EA		Roof Package 22005.....	841.24	128.32
11 68 13 00-1747	EA		In Ground Package For 20002 23002.....	707.97	109.00
11 68 13 00-1748	EA		In Ground Package For 20005 23005.....	817.92	125.56
11 68 13 00-1749	EA		In Ground Package For 20006 23006.....	1,161.98	178.45
11 68 13 00-1750	EA		In Ground Package For 20007 23007.....	1,432.18	219.38
11 68 13 00-1751	EA		In Ground Package For 20010 23010.....	946.63	145.33
11 68 13 00-1752	EA		In Ground Package For 20017 23011.....	588.65	90.60
11 68 13 00-1753	EA		Toddler 2 - Surface Mount Package 23012.....	403.71	62.09
11 68 13 00-1754	EA		Toddler 7 - Surface Mount Package 23013.....	767.64	117.73
11 68 13 00-1755	EA		Toddler 9 - Surface Mount Package 23014.....	494.92	75.43
11 68 13 00-1756	EA		Toddler 5 - Surface Mount Package 23015.....	456.29	69.45
11 68 13 00-1757	EA		Toddler 6 - Surface Mount Package 23016.....	589.79	90.60



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1758 EA Crawler 2 - Surface Mount Package 23017.....	283.24	43.69
11 68 13 00-1759 EA Crawler 3 - Surface Mount Package 23018.....	317.07	48.30
11 68 13 00-1760 EA WaLinker 2 - Surface Mount Package 23019.....	889.25	136.14
11 68 13 00-1761 EA WaLinker 3 - Surface Mount Package 23020.....	805.13	124.18
11 68 13 00-1762 EA WaLinker 4 - Surface Mount Package 23021.....	1,017.95	155.91
11 68 13 00-1763 EA In Ground Package For 20018 23027.....	691.52	105.78
11 68 13 00-1764 EA In Ground Package For 20019 23028.....	1,319.93	202.36
11 68 13 00-1765 EA In Ground Package For 20020 23029.....	1,402.92	214.78
11 68 13 00-1766 EA In Ground Package For 20021 23030.....	1,608.89	246.51
11 68 13 00-1767 EA 16" Sand And Water Table 24000.....	1,681.58	258.48
11 68 13 00-1768 EA 24" Sand And Water Table 24001.....	1,794.96	275.03
11 68 13 00-1769 EA 32" Sand And Water Table 24002.....	1,842.98	282.85
11 68 13 00-1770 EA Triple Sand And Water Table 24003.....	5,225.80	801.19
11 68 13 00-1771 EA Double Sand And Water Table (16", 24") 24004.....	3,402.71	521.54
11 68 13 00-1772 EA Double Sand And Water Table (24", 32") 24005.....	3,573.72	548.69
11 68 13 00-1773 EA Roof For 16" Sand And Water Table 24006.....	896.34	137.52
11 68 13 00-1774 EA Cover - Single Sand And Water Table 24011.....	308.84	46.91
11 68 13 00-1775 EA Single Cover Stacked Sand And Water Table 24013.....	355.70	54.27
11 68 13 00-1776 EA Kidcurb 24020.....	75.59	10.58
11 68 13 00-1777 EA Kidcurb - Black 24021.....	65.68	9.20
11 68 13 00-1778 EA Bubble Climbing Wall Attachment 26000.....	1,545.76	253.88
11 68 13 00-1779 EA DNA Climbing Wall Attachment 26001.....	986.06	161.90
11 68 13 00-1780 EA Laced Climbing Wall Attachment 26002.....	1,072.52	177.07
11 68 13 00-1781 EA Ladder Wall Attachment 26003.....	864.02	142.12
11 68 13 00-1782 EA Oval Climbing Wall Attachment 26004.....	1,581.80	259.85
11 68 13 00-1783 EA Rock Climbing Wall Attachment 26005.....	2,005.05	329.76
11 68 13 00-1784 EA Sail Climbing Wall Attachment 26006.....	1,077.71	177.07
11 68 13 00-1785 EA Social Discs Attachment 26007.....	1,132.29	185.81
11 68 13 00-1786 EA Symmetric Climbing Wall Attachment 26008.....	901.09	148.09
11 68 13 00-1787 EA Trapeze Dual Circuit 26010.....	2,511.21	412.54
11 68 13 00-1788 EA Trapeze Quad Circuit 26011.....	2,845.33	468.66
11 68 13 00-1789 EA Single Link Cross Beam 26012.....	222.46	36.33
11 68 13 00-1790 EA Double Link Cross Beam 26013.....	269.32	43.69
11 68 13 00-1791 EA PS Plus Single Link Cross Beam 26015.....	222.46	36.33
11 68 13 00-1792 EA Upright 2-Way Link 26016.....	972.13	160.05
11 68 13 00-1793 EA Upright 3-Way Link 26017.....	1,404.13	231.34
11 68 13 00-1794 EA Arched Chain Net Link 26022.....	872.76	143.49
11 68 13 00-1795 EA Hanging Pod Link 26023.....	1,312.47	216.17
11 68 13 00-1796 EA Rock Wall Link 26024.....	2,260.42	372.08
11 68 13 00-1797 EA Arched Loop Ladder Overhead 26027.....	548.87	90.60
11 68 13 00-1798 EA Inverted Loop Ladder Overhead 26028.....	540.12	89.22
11 68 13 00-1799 EA Trapeze Ring Overhead 26029.....	955.67	157.30
11 68 13 00-1800 EA Arched Trapeze Ring Overhead 26030.....	955.67	157.30
11 68 13 00-1801 EA Inverted Trapeze Ring Overhead 26031.....	955.67	157.30
11 68 13 00-1802 EA Sky Wheels 26032.....	1,533.89	252.50
11 68 13 00-1803 EA Stretched Loop Ladder 26033.....	540.12	89.22
11 68 13 00-1804 EA Swing 26034.....	1,639.81	247.90
11 68 13 00-1805 EA Swing Add-A-Bay 26035.....	959.15	145.33
11 68 13 00-1806 EA Xcelerator 26037.....	2,413.33	397.38
11 68 13 00-1807 EA Track Ride 26038.....	3,031.75	499.02
11 68 13 00-1808 EA Swivel Meister 26040.....	1,186.87	195.00
11 68 13 00-1809 EA Single Sky Wheel 26041.....	1,760.94	290.21
11 68 13 00-1810 EA Twister 26042.....	2,461.23	405.19
11 68 13 00-1811 EA Suspended Pod 26043.....	1,145.64	189.03
11 68 13 00-1812 EA Tri Ladder 26044.....	414.51	68.07
11 68 13 00-1813 EA Hang Out Circuit 26045.....	3,004.46	494.41
11 68 13 00-1814 EA Hang Out Wall 26046.....	857.33	140.73
11 68 13 00-1815 EA Triton (GameTime 26049).....	8,358.49	1,144.28
11 68 13 00-1816 EA Triton Support Rung (With Tab) (GameTime 26083).....	304.33	41.85
11 68 13 00-1817 EA Triangular Shroud (GameTime 26094).....	57.64	7.82
11 68 13 00-1818 EA Single With Step (GameTime 26142).....	1,142.51	156.37
11 68 13 00-1819 EA Xscape Swing 3 1/2" X 8' (GameTime 26168).....	1,640.15	224.44
11 68 13 00-1820 EA Xscape Swing Add A Bay 3 1/2" X 8' (GameTime 26168).....	966.54	132.46
11 68 13 00-1821 EA Xscape Swing Add A Bay 3 1/2" X 8' (GameTime 26169).....	966.54	132.46
11 68 13 00-1822 EA X-Generator 27000.....	26,559.03	4,370.62
11 68 13 00-1823 EA Xcapade 27001.....	25,557.81	4,205.52
11 68 13 00-1824 EA Xciter 27002.....	29,594.31	4,869.18
11 68 13 00-1825 EA Xercise 27003.....	37,978.24	6,249.40
11 68 13 00-1826 EA Xponential 27004.....	47,391.12	7,797.49
11 68 13 00-1827 EA Xplosion 27005.....	13,787.58	2,269.25
11 68 13 00-1828 EA X-Linear 27006.....	14,305.58	2,353.87
11 68 13 00-1829 EA X Marks The Spot 27007.....	16,268.38	2,677.19
11 68 13 00-1830 EA Xpression 27008.....	28,831.72	4,744.08
11 68 13 00-1831 EA 6' Preschool Picnic Table 28001.....	1,104.36	160.05
11 68 13 00-1832 EA 6' Bench With Without Back Portable 28002.....	413.99	60.25
11 68 13 00-1833 EA 6' Bench With Without Back Inground 28003.....	384.24	56.11
11 68 13 00-1834 EA 6' Bench With Without Back 28004.....	427.61	62.09
11 68 13 00-1835 EA 8' Bench With Without Back Portable 28005.....	466.05	68.07
11 68 13 00-1836 EA 8' Bench With Without Back Inground 28006.....	436.29	63.47
11 68 13 00-1837 EA 8' Bench With Without Back 28007.....	479.67	69.45
11 68 13 00-1838 EA 6' Bench With Back Portable 28008.....	658.14	95.21

**11 Equipment**  
**11 60 Entertainment and Recreation Equipment**  
**11 68 Play Field Equipment And Structures**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1839	EA		6' Bench With Back Inground 28009.....	628.39	90.60
11 68 13 00-1840	EA		6' Bench With Back 28010.....	671.76	96.58
11 68 13 00-1841	EA		8' Bench With Back Portable 28011.....	794.48	114.98
11 68 13 00-1842	EA		8' Bench With Back Inground 28012.....	764.71	110.38
11 68 13 00-1843	EA		8' Bench With Back 28013.....	810.62	117.73
11 68 13 00-1844	EA		6' Picnic Table 28014.....	1,251.84	181.21
11 68 13 00-1845	EA		8' Picnic Table 28015.....	1,513.36	219.38
11 68 13 00-1846	EA		8' ADA Picnic Table 28016.....	1,348.51	195.00
11 68 13 00-1847	EA		46" Food Court Table 28017.....	1,565.42	226.74
11 68 13 00-1848	EA		ADA Table With 1-5/8" Pipe 28018.....	1,452.63	210.18
11 68 13 00-1849	EA		Food Court Table Inground 28019.....	1,782.33	258.48
11 68 13 00-1850	EA		ADA Food Court Table 28020.....	1,512.13	219.38
11 68 13 00-1851	EA		Food Court Table 28021.....	1,826.93	264.45
11 68 13 00-1852	EA		ADA Food Court Table 28022.....	1,556.73	225.36
11 68 13 00-1853	EA		Punched Receptable 28023.....	514.35	74.05
11 68 13 00-1854	EA		Receptable With Dome Top Inground 28024.....	737.48	107.16
11 68 13 00-1855	EA		Receptable With Dome Top 28025.....	692.83	99.81
11 68 13 00-1856	EA		Receptable With Flat Top Inground 28026.....	687.89	99.81
11 68 13 00-1857	EA		Receptable With Flat Top 28027.....	645.75	93.82
11 68 13 00-1858	EA		Sway Bench 28028.....	1,494.75	216.17
11 68 13 00-1859	EA		6' Picnic Table 28030.....	1,141.51	164.66
11 68 13 00-1860	EA		8' Picnic Table 28037.....	1,405.55	204.21
11 68 13 00-1861	EA		Elephant Bench Inground 28042.....	1,179.95	170.63
11 68 13 00-1862	EA		Elephant Bench 28043.....	1,179.95	170.63
11 68 13 00-1863	EA		Gorilla Bench Inground 28044.....	1,179.95	170.63
11 68 13 00-1864	EA		Gorilla Bench Surface Mount 28045.....	1,179.95	170.63
11 68 13 00-1865	EA		49" Square Punched Steel Deck 80000.....	1,043.43	142.85
11 68 13 00-1866	EA		49" Tri Punched Steel Deck 80001.....	617.76	84.58
11 68 13 00-1867	EA		3' Upright Assembly G80010.....	101.31	17.94
11 68 13 00-1868	EA		3' Upright Assembly 80010.....	112.47	19.78
11 68 13 00-1869	EA		4' Upright Assembly G80011.....	123.64	21.15
11 68 13 00-1870	EA		4' Upright Assembly 80011.....	141.17	24.37
11 68 13 00-1871	EA		5' Upright Assembly G80012.....	148.48	25.76
11 68 13 00-1872	EA		5' Upright Assembly 80012.....	172.37	30.36
11 68 13 00-1873	EA		6' Upright Assembly G80013.....	173.34	30.36
11 68 13 00-1874	EA		6' Upright Assembly 80013.....	201.06	34.96
11 68 13 00-1875	EA		7' Upright Assembly G80014.....	198.18	34.96
11 68 13 00-1876	EA		7' Upright Assembly 80014.....	232.27	40.93
11 68 13 00-1877	EA		8' Upright Assembly G80015.....	223.03	39.09
11 68 13 00-1878	EA		8' Upright Assembly 80015.....	260.96	45.54
11 68 13 00-1879	EA		9' Upright Assembly G80016.....	245.36	42.31
11 68 13 00-1880	EA		9' Upright Assembly 80016.....	289.65	49.67
11 68 13 00-1881	EA		10' Upright Assembly G80017.....	270.20	46.91
11 68 13 00-1882	EA		10' Upright Assembly H80017.....	376.32	64.85
11 68 13 00-1883	EA		10' Upright Assembly 80017.....	320.86	56.11
11 68 13 00-1884	EA		11' Upright Assembly G80018.....	295.05	51.51
11 68 13 00-1885	EA		11' Upright Assembly H80018.....	411.37	70.82
11 68 13 00-1886	EA		11' Upright Assembly 80018.....	349.54	60.25
11 68 13 00-1887	EA		12' Upright Assembly G80019.....	437.77	59.93
11 68 13 00-1888	EA		12' Upright Assembly H80019.....	448.93	78.64
11 68 13 00-1889	EA		12' Upright Assembly 80019.....	380.75	66.69
11 68 13 00-1890	EA		13' Upright Assembly G80020.....	344.74	60.25
11 68 13 00-1891	EA		13' Upright Assembly H80020.....	483.97	84.63
11 68 13 00-1892	EA		13' Upright Assembly 80020.....	409.44	70.82
11 68 13 00-1893	EA		14' Upright Assembly G80021.....	367.06	63.47
11 68 13 00-1894	EA		14' Upright Assembly H80021.....	519.03	90.60
11 68 13 00-1895	EA		14' Upright Assembly 80021.....	440.65	77.27
11 68 13 00-1896	EA		15' Upright Assembly G80022.....	391.92	68.07
11 68 13 00-1897	EA		15' Upright Assembly H80022.....	554.08	96.58
11 68 13 00-1898	EA		15' Upright Assembly 80022.....	469.34	81.40
11 68 13 00-1899	EA		Step-Up Platform 80023.....	2,604.77	453.48
11 68 13 00-1900	EA		Plastic Square Deck Cedar 80024.....	1,492.76	259.85
11 68 13 00-1901	EA		Plastic Tri Deck Cedar 80025.....	1,131.45	196.39
11 68 13 00-1902	EA		5'-0" Treescapes With Deck 80026.....	5,437.36	946.52
11 68 13 00-1903	EA		6'-0" Treescapes With Deck 80028.....	5,619.94	978.25
11 68 13 00-1904	EA		7'-0" Treescapes With Deck 80030.....	5,802.50	1,009.98
11 68 13 00-1905	EA		8'-0" Treescapes With Deck 80032.....	5,985.08	1,041.72
11 68 13 00-1906	EA		5'-0" Treescapes With Climber 80033.....	5,996.24	1,043.10
11 68 13 00-1907	EA		6'-0" Treescapes With Climber 80035.....	6,193.46	1,078.05
11 68 13 00-1908	EA		7'-0" Treescapes With Climber 80037.....	6,390.68	1,112.55
11 68 13 00-1909	EA		8'-0" Treescapes With Climber 80039.....	6,585.37	1,146.12
11 68 13 00-1910	EA		1'-0" Pentagonal Deck 80041.....	3,701.17	643.89
11 68 13 00-1911	EA		2'-0" Pentagonal Deck 80043.....	3,735.26	649.87
11 68 13 00-1912	EA		3'-0" Pentagonal Deck 80045.....	3,769.35	656.31
11 68 13 00-1913	EA		4'-0" Pentagonal Deck 80047.....	3,803.45	662.29
11 68 13 00-1914	EA		5'-0" Pentagonal Deck 80049.....	3,837.53	668.26
11 68 13 00-1915	EA		6'-0" Pentagonal Deck 80051.....	3,871.62	674.24
11 68 13 00-1916	EA		7'-0" Pentagonal Deck 80053.....	3,903.19	678.84
11 68 13 00-1917	EA		8'-0" Pentagonal Deck 80055.....	3,937.28	684.83
11 68 13 00-1918	EA		Pentagonal Deck With Climber 80056.....	4,158.39	723.92
11 68 13 00-1919	EA		Pentagonal Deck With Climber 80058.....	4,189.95	728.51



<b>Equipment</b>	<b>11</b>
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>
<b>Play Field Equipment And Structures</b>	<b>11 68</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1920 EA Pentagonal Deck With Climber 80060.....	4,224.05	734.50
11 68 13 00-1921 EA 7'-0" Pentagonal Deck With Climber 80062.....	4,259.10	740.93
11 68 13 00-1922 EA 8'-0" Pentagonal Deck With Climber 80064.....	4,293.19	746.92
11 68 13 00-1923 EA Deck Flat Cap Package 80076.....	120.76	21.15
11 68 13 00-1924 EA Maintenance Kit 80077.....	207.42	36.33
11 68 13 00-1925 EA 6" Stepped Platform 80078.....	1,434.66	195.00
11 68 13 00-1926 EA Slide Transfer 80080.....	1,287.26	223.52
11 68 13 00-1927 EA Noodle Top 80100.....	272.12	46.91
11 68 13 00-1928 EA Arch 80101.....	519.99	90.60
11 68 13 00-1929 EA Custom Text Arch Panel 80102.....	1,348.11	234.10
11 68 13 00-1930 EA Perforated Metal Roof 80104.....	1,762.01	306.77
11 68 13 00-1931 EA Perforated Metal Roof Extension 80105G.....	1,188.47	206.96
11 68 13 00-1932 EA Perforated Roof With Custom Arch Panel 80106.....	2,760.57	480.62
11 68 13 00-1933 EA Sculptured Roof 80108.....	9,236.35	1,606.96
11 68 13 00-1934 EA Perforated Metal Peaked Roof 80109.....	2,752.29	479.24
11 68 13 00-1935 EA Recycled Slat Peaked Roof 80110.....	2,884.20	501.77
<b>11 68 13 00-1936 Gametime Playground Equipment Models 80112 To 80642</b> <small>(11 68 13 00-1290)</small>		
11 68 13 00-1937 EA Perforated Gable Roof Single 80112.....	1,642.20	285.61
11 68 13 00-1938 EA Dome Roof 80116.....	706.41	122.34
11 68 13 00-1939 EA Hexadome Roof 80119.....	2,986.48	520.17
11 68 13 00-1940 EA Hexawedge Roof 80125.....	3,309.25	575.82
11 68 13 00-1941 EA Megadome Roof 80126.....	4,116.97	716.56
11 68 13 00-1942 EA Quad Hip Roof 80129.....	2,304.32	400.59
11 68 13 00-1943 EA Custom Mascot Arch Panel 80144.....	1,314.02	228.12
11 68 13 00-1944 EA 3' Flag Post 80145.....	245.36	42.31
11 68 13 00-1945 EA 4' Flag Post 80146.....	272.12	46.91
11 68 13 00-1946 EA 5' Flag Post 80147.....	301.40	52.89
11 68 13 00-1947 EA 6' Flag Post 80148.....	328.17	57.49
11 68 13 00-1948 EA Ornamental Hex Roof 80149.....	4,115.05	716.56
11 68 13 00-1949 EA Ornamental Oct Roof 80150.....	6,182.30	1,076.22
11 68 13 00-1950 EA Perforated Roof/Mascot Arch Panel 80151.....	3,125.72	544.08
11 68 13 00-1951 EA Medieval Flag Decal 80152.....	141.17	24.37
11 68 13 00-1952 EA Racing Flag Decal 80153.....	141.17	24.37
11 68 13 00-1953 EA Marine Flag Decal 80154.....	141.17	24.37
11 68 13 00-1954 EA Canopy Roof 80155.....	7,238.24	1,259.26
11 68 13 00-1955 EA Pagoda Roof With Perforated Metal 80157.....	4,606.72	801.19
11 68 13 00-1956 EA Pagoda Roof With Slats 80159.....	5,406.15	940.53
11 68 13 00-1957 EA Rainforest Canopy 80162.....	5,605.28	975.03
11 68 13 00-1958 EA Shingle Roof 80163.....	852.02	148.09
11 68 13 00-1959 EA Slate Roof 80165.....	991.24	172.47
11 68 13 00-1960 EA Roof Extension 24" With Insert 80166.....	129.03	22.54
11 68 13 00-1961 EA Roof Extension 24" With Rivet 80167.....	129.43	17.70
11 68 13 00-1962 EA Roof Extension 36" With Rivet 80168.....	137.32	24.37
11 68 13 00-1963 EA Modern Triangular Roof 80171.....	779.99	136.14
11 68 13 00-1964 EA Modern Square Roof 80172.....	1,276.09	222.14
11 68 13 00-1965 EA Upright Extension 80173.....	218.58	37.72
11 68 13 00-1966 EA 20' Sunblox Sail Roof 80174.....	11,394.69	1,983.63
11 68 13 00-1967 EA 20' Sunblox Roof 80175.....	7,160.84	1,245.46
11 68 13 00-1968 EA 14' Sunblox Sail Roof 80176.....	9,747.10	1,696.18
11 68 13 00-1969 EA 14' Sunblox Roof 80177.....	5,154.44	896.38
11 68 13 00-1970 EA Extension 2' For Modern Roof 80178.....	146.56	25.76
11 68 13 00-1971 EA Sail Roof 80180.....	399.24	69.45
11 68 13 00-1972 EA Extension 1' For Modern Roof 80181.....	129.03	22.54
11 68 13 00-1973 EA Extension 4' For Modern Roof 80182.....	181.61	31.73
11 68 13 00-1974 EA Sail Roof Extensions 80183G.....	129.99	22.54
11 68 13 00-1975 EA Sail Roof Extensions 80183.....	129.99	22.54
11 68 13 00-1976 EA Quad Sail 80184.....	1,596.95	278.25
11 68 13 00-1977 EA Tri Sail 80185.....	1,197.71	208.81
11 68 13 00-1978 EA Hex Sail 80186.....	2,395.42	417.15
11 68 13 00-1979 EA Arch Climber 3' 80300.....	914.79	158.67
11 68 13 00-1980 EA Arch Climber 4' 80301.....	948.88	164.66
11 68 13 00-1981 EA Arch Climber 5' 80302.....	982.97	170.63
11 68 13 00-1982 EA 3'-0"/3'-6" Clover Climber 80303.....	906.52	157.30
11 68 13 00-1983 EA 4'-0"/4'-6" Clover Climber 80304.....	982.01	170.63
11 68 13 00-1984 EA 5'-0"/5'-6" Clover Climber 80305.....	1,057.51	184.43
11 68 13 00-1985 EA 6'-0" Clover Climber 80306.....	1,130.49	196.39
11 68 13 00-1986 EA 3'-0" Bannister Rail 80307.....	1,014.18	177.07
11 68 13 00-1987 EA 4'-0" Bannister Rail 80308.....	1,071.56	185.81
11 68 13 00-1988 EA 2'-6" Loop Ladder 80309.....	1,034.59	179.82
11 68 13 00-1989 EA 3'-0"-4'-0" Loop Ladder 80310.....	1,120.29	195.00
11 68 13 00-1990 EA 5'-0" Loop Ladder 80311.....	1,205.04	210.18
11 68 13 00-1991 EA 6'-0" Loop Ladder 80312.....	1,288.22	223.52
11 68 13 00-1992 EA 3'-0" DNA Climber 80313.....	987.40	172.47
11 68 13 00-1993 EA 4'-0" DNA Climber 80314.....	1,122.22	195.00
11 68 13 00-1994 EA 5'-0" DNA Climber 80315.....	1,258.57	219.38
11 68 13 00-1995 EA 6'-0" DNA Climber 80316.....	1,395.88	243.30
11 68 13 00-1996 EA 3'-0" Fat Pipe Climber 80317.....	1,518.56	264.45
11 68 13 00-1997 EA 3'-6"-4' Fat Pipe Climber 80318.....	1,678.22	291.59
11 68 13 00-1998 EA 4'-6"-5' Fat Pipe Climber 80319.....	1,840.38	320.57

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment And Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1999	EA		3'-0"-3'-6" Tree Climber 80320.....	852.02	148.09
11 68 13 00-2000	EA		4'-0"-4'-6" Tree Climber 80321.....	888.99	154.08
11 68 13 00-2001	EA		5'-0"-5'-6" Tree Climber 80322.....	928.47	161.90
11 68 13 00-2002	EA		6'-0" Tree Climber 80323.....	965.45	167.87
11 68 13 00-2003	EA		3'3'-6" Crazy Eight 80324.....	1,030.74	179.82
11 68 13 00-2004	EA		4'14'-6" Crazy Eight 80325.....	1,040.94	181.21
11 68 13 00-2005	EA		5'5'-6" Crazy Eight 80326.....	1,121.26	195.00
11 68 13 00-2006	EA		6'-0" Crazy Eight Climber 80327.....	1,165.54	202.36
11 68 13 00-2007	EA		2'-0" St Fat Pipe Attachment 80328.....	1,501.04	261.69
11 68 13 00-2008	EA		2'-6" St Fat Pipe Attachment 80329.....	1,634.88	284.23
11 68 13 00-2009	EA		3'-0" St Fat Pipe Attachment 80330.....	1,771.24	308.60
11 68 13 00-2010	EA		3'-0"/3'-6" Chain Link 80331.....	879.74	152.69
11 68 13 00-2011	EA		4'-0"/4'-6" Chain Link 80332.....	920.19	160.05
11 68 13 00-2012	EA		5'-0"/5'-6" Chain Link 80333.....	957.16	166.49
11 68 13 00-2013	EA		6'-0" Chain Link Climber 80334.....	996.66	173.85
11 68 13 00-2014	EA		2'-0"/2'-6" Clover Leaf 80335.....	1,147.06	199.60
11 68 13 00-2015	EA		3'-0"/3'-6" Clover Leaf 80336.....	1,345.23	234.10
11 68 13 00-2016	EA		4'-0"/4'-6" Clover Leaf 80337.....	1,543.41	269.05
11 68 13 00-2017	EA		Megarock Climber 80338.....	3,485.47	606.17
11 68 13 00-2018	EA		Wave Climber 80340.....	1,136.85	198.23
11 68 13 00-2019	EA		Coated Chain Net 3' Deck 80341.....	1,206.96	210.18
11 68 13 00-2020	EA		Coated Chain Net 4' Deck 80342.....	1,249.32	217.54
11 68 13 00-2021	EA		Coated Chain Net 5' Deck 80343.....	1,291.70	225.36
11 68 13 00-2022	EA		3' Coat Chain Climber With Rails 80344.....	1,294.58	225.36
11 68 13 00-2023	EA		4' Coat Chain Climber With Rails 80345.....	1,353.52	235.94
11 68 13 00-2024	EA		5' Coat Chain Climber With Rails 80346.....	1,409.94	244.68
11 68 13 00-2025	EA		2'-0" Cork Screw Climber 80347.....	1,032.67	179.82
11 68 13 00-2026	EA		2'-6" Cork Screw Climber 80348.....	1,079.83	187.64
11 68 13 00-2027	EA		3'-0" Cork Screw Climber 80349.....	1,129.53	196.39
11 68 13 00-2028	EA		3'-6" Cork Screw Climber 80350.....	1,179.23	205.58
11 68 13 00-2029	EA		4'-0" Cork Screw Climber 80351.....	1,226.39	212.94
11 68 13 00-2030	EA		5'-0" Cork Screw Climber 80352.....	1,276.09	222.14
11 68 13 00-2031	EA		6'-0" Cork Screw Climber 80353.....	1,323.28	229.96
11 68 13 00-2032	EA		Double Climber 4'-5' 80355.....	1,057.51	184.43
11 68 13 00-2033	EA		Double Climber 5'-6"-6'-0 80356.....	1,179.23	205.58
11 68 13 00-2034	EA		3'-0"/3'-6" Spiny Arch 80358.....	822.36	143.49
11 68 13 00-2035	EA		4'-0"/4'-6" Spiny Arch 80359.....	870.50	151.31
11 68 13 00-2036	EA		5'-0" Spiny Arch Climber 80360.....	919.23	160.05
11 68 13 00-2037	EA		3'-0"/3'-6" Twister Climb 80361.....	853.94	148.09
11 68 13 00-2038	EA		4'-0"/4'-6" Twister Climb 80362.....	901.71	157.30
11 68 13 00-2039	EA		5'-0"/5'-6" Twister Climb 80363.....	946.96	164.66
11 68 13 00-2040	EA		6'-0" Twister Climber 80364.....	992.20	172.47
11 68 13 00-2041	EA		Wavy Tree Climb 2'-6"-3'-0 80365.....	831.61	145.33
11 68 13 00-2042	EA		Wavy Tree Climb 3'-6"-4'-0 80366.....	896.30	155.91
11 68 13 00-2043	EA		Wavy Tree Climb 4'-6"-5'-0 80367.....	962.57	167.87
11 68 13 00-2044	EA		3'-0"-3'-6" Zipper Climber 80368.....	1,195.79	208.81
11 68 13 00-2045	EA		4'-0"-4'-6" Zipper Climber 80369.....	1,260.49	219.38
11 68 13 00-2046	EA		5'-0"-5'-6" Zipper Climber 80370.....	1,328.67	231.34
11 68 13 00-2047	EA		6'-0" Zipper Climber 80371.....	1,378.37	240.54
11 68 13 00-2048	EA		3'-6" Chunky Arch Climber 80374.....	1,252.21	217.54
11 68 13 00-2049	EA		4'-0"/5'-0" Chunky Arch 80375.....	1,309.22	228.12
11 68 13 00-2050	EA		5'-0" Trunk Climber 80376.....	1,207.92	210.18
11 68 13 00-2051	EA		5'-6"/6'-0" Trunk Climber 80377.....	1,441.15	251.12
11 68 13 00-2052	EA		6'-6"/7'-0" Trunk Climber 80378.....	1,675.34	291.59
11 68 13 00-2053	EA		7'-6"/8'-0" Trunk Climber 80379.....	1,908.57	332.52
11 68 13 00-2054	EA		Double Megarock Climber 80380.....	7,832.80	1,363.67
11 68 13 00-2055	EA		Side Stepper Attachment 80382.....	883.22	154.08
11 68 13 00-2056	EA		Side Stepper Link 80383.....	1,260.49	219.38
11 68 13 00-2057	EA		Side Stepper Double Up 80384.....	1,591.55	276.87
11 68 13 00-2058	EA		Side Stepper Double Down 80385.....	1,509.33	263.08
11 68 13 00-2059	EA		Toad Stool Climber 80386.....	798.48	138.90
11 68 13 00-2060	EA		3'/3'-6" Bubble Climber 80391.....	761.51	132.91
11 68 13 00-2061	EA		4'-0" Bubble Climber 80392.....	816.97	142.12
11 68 13 00-2062	EA		4'-6"/5' Bubble Climber 80393.....	875.90	152.69
11 68 13 00-2063	EA		5'-6"/6' Bubble Climber 80394.....	931.35	161.90
11 68 13 00-2064	EA		2'-0" Leaning Wall Climber 80395.....	1,137.81	198.23
11 68 13 00-2065	EA		2'-6" Leaning Wall Climber 80396.....	1,335.03	232.72
11 68 13 00-2066	EA		3'-0" Leaning Wall Climber 80397.....	1,529.74	266.30
11 68 13 00-2067	EA		Incline Fat Pipe 2-Deck 80407.....	2,544.87	442.90
11 68 13 00-2068	EA		Fat Pipe Link 2-Deck St 80408.....	2,538.51	441.53
11 68 13 00-2069	EA		Fat Pipe Link 3-Deck St 80409.....	3,155.38	548.69
11 68 13 00-2070	EA		3'-0" Coaster Climb Link 80410.....	1,590.59	276.87
11 68 13 00-2071	EA		4' And 5' Coaster Climb Link 80411.....	1,704.02	296.18
11 68 13 00-2072	EA		Tree Climber Link 2-Deck 80412.....	1,878.31	326.54
11 68 13 00-2073	EA		2' Volcano Climber Attachment 80416.....	2,136.38	372.08
11 68 13 00-2074	EA		4' Volcano Climber Attachment 80417.....	3,120.31	542.71
11 68 13 00-2075	EA		6' Volcano Climber Attachment 80418.....	4,106.77	715.17
11 68 13 00-2076	EA		8' Vertical Climb Wall Attachment 80419.....	3,458.70	601.57
11 68 13 00-2077	EA		Ribbon Wall Climber Link 80420.....	8,234.92	1,433.12
11 68 13 00-2078	EA		Rock Wall Climber 80421.....	1,240.08	216.17
11 68 13 00-2079	EA		S Wall Climber Link 80422.....	5,125.75	891.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-2080 EA Side Stepper - Double Up Attachment 80423.....	1,162.66	202.36
11 68 13 00-2081 EA 6' Cosmix Climber Attachment 80424.....	1,432.86	249.27
11 68 13 00-2082 EA 8' Cosmix Climber Attachment 80425.....	1,459.63	253.88
11 68 13 00-2083 EA 6' Cosmix Climber, Kidcourse 80426.....	987.40	172.47
11 68 13 00-2084 EA 8' Cosmix Climber, Kidcourse 80427.....	1,028.77	169.25
11 68 13 00-2085 EA Poly Climbing Wall 80428.....	2,061.85	358.27
11 68 13 00-2086 EA Poly Climbing Wall, KidCourse 80429.....	1,738.85	285.61
11 68 13 00-2087 EA Sky Bridge Hanging Beam 80430.....	4,708.02	819.58
11 68 13 00-2088 EA 4' Flat Wall Attachment 80431.....	1,390.49	241.91
11 68 13 00-2089 EA 8' Flat Wall Attachment 80432.....	2,004.47	349.08
11 68 13 00-2090 EA Side Stepper - Double Up 80433.....	775.55	134.76
11 68 13 00-2091 EA Side Stepper - Double Down 80434.....	775.55	134.76
11 68 13 00-2092 EA Giant Wave Climber 80435.....	1,695.74	294.81
11 68 13 00-2093 EA 7' Crazy Eight Climber 80437.....	1,182.11	205.58
11 68 13 00-2094 EA 8' Crazy Eight Climber 80438.....	1,241.04	216.17
11 68 13 00-2095 EA Incline Cosmix Climber 80439.....	798.48	138.90
11 68 13 00-2096 EA 7/7'-6" Tree Climber 80440.....	1,139.74	198.23
11 68 13 00-2097 EA 8' Tree Climber 80441.....	1,197.71	208.81
11 68 13 00-2098 EA 7/7'-6" Bubble Climber 80442.....	998.58	173.85
11 68 13 00-2099 EA 8' Bubble Climber 80443.....	1,054.04	183.05
11 68 13 00-2100 EA Tree Climber 3'-0", 3'-6" 80444.....	1,068.68	185.81
11 68 13 00-2101 EA Tree Climber 4'-0", 4'-6" 80445.....	1,083.32	189.03
11 68 13 00-2102 EA Tree Climber 5'-0", 5'-6" 80446.....	1,148.98	199.60
11 68 13 00-2103 EA Tree Climber 6'-0", 6'-6" 80447.....	1,190.39	206.96
11 68 13 00-2104 EA Tree Climber 7'-0", 7'-6" 80448.....	1,243.92	216.17
11 68 13 00-2105 EA Tree Climber 8'-0" 80449.....	1,285.33	223.52
11 68 13 00-2106 EA Criss-Cross Web 80450.....	4,384.28	763.47
11 68 13 00-2107 EA Clover Leaf Climber 2'-0", 2'-6" 80451.....	1,217.16	211.57
11 68 13 00-2108 EA Clover Leaf Climber 3'-0", 3'-6" 80452.....	1,407.06	244.68
11 68 13 00-2109 EA Clover Leaf Climber 4'-0", 4'-6" 80453.....	1,596.95	278.25
11 68 13 00-2110 EA 1'-6" Entrance Barrier 80601.....	302.37	52.89
11 68 13 00-2111 EA 2'-0" Entrance Barrier 80602.....	319.90	56.11
11 68 13 00-2112 EA 2'-6" Entrance Barrier 80603.....	338.38	58.87
11 68 13 00-2113 EA 3'-0" Entrance Barrier 80604.....	356.87	62.09
11 68 13 00-2114 EA 3'-6" Entrance Barrier 80605.....	471.16	64.48
11 68 13 00-2115 EA 1'-6" Rung Deck Filler 80606.....	384.59	66.69
11 68 13 00-2116 EA 2'-0" Rung Deck Filler 80607.....	414.84	72.67
11 68 13 00-2117 EA 2'-6" Rung Deck Filler 80608.....	442.57	77.27
11 68 13 00-2118 EA 3'-0" Rung Deck Filler 80609.....	470.30	81.40
11 68 13 00-2119 EA 3'-6" Rung Deck Filler 80610.....	498.03	86.00
11 68 13 00-2120 EA EN Slide Package 80611.....	123.64	21.15
11 68 13 00-2121 EA Vertical Climber 80627.....	347.62	60.25
11 68 13 00-2122 EA Rung Access 1'-6" 80628.....	791.15	137.52
11 68 13 00-2123 EA Rung Access 2'-0" 80629.....	826.20	143.49
11 68 13 00-2124 EA Rung Access 2'-6" 80630.....	861.25	149.48
11 68 13 00-2125 EA Rung Access 3' And 4' 80631.....	902.67	157.30
11 68 13 00-2126 EA Rung Access 3'-6" 80632.....	931.35	161.90
11 68 13 00-2127 EA Rung Access 4'-6" 80633.....	966.41	167.87
11 68 13 00-2128 EA Rung Access 5'-6" 80634.....	1,001.46	173.85
11 68 13 00-2129 EA Rung Access 5' And 6' 80635.....	1,036.51	179.82
11 68 13 00-2130 EA 1'-6" Punched Steel Stair 80636.....	1,327.71	231.34
11 68 13 00-2131 EA 2'-0" Punched Steel Stair 80637.....	1,467.92	255.72
11 68 13 00-2132 EA 2'-6" Punched Steel Stair 80638.....	1,608.11	279.63
11 68 13 00-2133 EA 3'-0" Punched Steel Stair 80639.....	1,748.32	304.00
11 68 13 00-2134 EA Entry Archway 80641.....	487.82	84.63
11 68 13 00-2135 EA Oset Archway 80642.....	408.48	70.82
<b>11 68 13 00-2136 Gametime Playground Equipment Models 80643 To 81234 <small>(11 68 13 00-1290)</small></b>		
11 68 13 00-2137 EA 2'-0" Accessible Steps 80643.....	1,348.11	234.10
11 68 13 00-2138 EA 4'-0" Accessible Steps 80644.....	2,484.97	432.33
11 68 13 00-2139 EA 6'-0" Accessible Steps 80645.....	3,621.82	630.55
11 68 13 00-2140 EA 3'-0" Punch Access Ladder 80646.....	1,512.21	263.08
11 68 13 00-2141 EA 4'-0" Punch Access Ladder 80648.....	1,704.99	296.18
11 68 13 00-2142 EA 5'-0" Punch Access Ladder 80650.....	1,900.27	331.14
11 68 13 00-2143 EA 6'-0" Punch Access Ladder 80652.....	2,093.06	364.26
11 68 13 00-2144 EA 3'-0" Transfer Point 80653.....	1,935.32	337.12
11 68 13 00-2145 EA 4'-0" Transfer Point 80654.....	2,395.42	417.15
11 68 13 00-2146 EA 5'-0" Transfer Point 80655.....	2,855.53	497.17
11 68 13 00-2147 EA Access Attachment 3' And 4' 80656.....	486.86	84.63
11 68 13 00-2148 EA Access Attachment 5' 80657.....	647.67	87.85
11 68 13 00-2149 EA 8'-0" Access Ladder 80662.....	2,388.11	415.77
11 68 13 00-2150 EA Overhead Ladder Access Package 80663.....	541.36	93.82
11 68 13 00-2151 EA Archway Kick Plate, 1'-6" 80664.....	792.11	137.52
11 68 13 00-2152 EA Archway Kick Plate Package 80665.....	800.40	138.90
11 68 13 00-2153 EA 3'-0" Transfer Platform 80673.....	2,603.81	453.48
11 68 13 00-2154 EA 4'-0" Transfer Platform 80674.....	3,268.80	568.47
11 68 13 00-2155 EA 5'-0" Transfer Platform 80675.....	3,936.32	684.83
11 68 13 00-2156 EA Access Dragon 80676.....	4,613.08	802.56
11 68 13 00-2157 EA 1'-6" Punched Stairs - CSA 80681.....	1,240.08	216.17
11 68 13 00-2158 EA 2'-0" Punched Stairs - CSA 80682.....	1,388.57	241.91

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment And Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-2159	EA		2'-6" Punched Stairs - CSA 80683.....	1,537.05	267.67
11 68 13 00-2160	EA		3'-0" Punched Stairs - CSA 80684.....	1,685.53	293.43
11 68 13 00-2161	EA		Accessible Trans Step Package 80685.....	799.44	138.90
11 68 13 00-2162	EA		Handhold/Kick Plate Package 80686.....	418.68	72.67
11 68 13 00-2163	EA		Handhold/Kick Plate Package 80687.....	374.09	51.24
11 68 13 00-2164	EA		2' Tri Transfer Platform 80688.....	1,845.19	252.64
11 68 13 00-2165	EA		Handhold Package 80689.....	141.17	24.37
11 68 13 00-2166	EA		6" Accessible Step 80690.....	784.79	136.14
11 68 13 00-2167	EA		90 Degree Caterpillar Attachment 80691.....	1,711.35	298.03
11 68 13 00-2168	EA		Inchworm Climber Attachment 80692.....	1,684.57	293.43
11 68 13 00-2169	EA		Inchworm Climber Link 80693.....	2,100.38	365.63
11 68 13 00-2170	EA		12" Stepped Platform 80694.....	1,198.67	208.81
11 68 13 00-2171	EA		Archway Step Package - 2' Rise 80695.....	1,205.04	210.18
11 68 13 00-2172	EA		4' Crawl Tube With Spy Holes 80701.....	1,311.14	228.12
11 68 13 00-2173	EA		8' Crawl Tube With Spy Holes 80702.....	1,839.42	320.57
11 68 13 00-2174	EA		2' Crawl Tube With Spy Holes 80703.....	1,137.81	198.23
11 68 13 00-2175	EA		90 Degree Crawl Tube With Spy 80704.....	1,285.33	223.52
11 68 13 00-2176	EA		LCrawl Tube 80705.....	1,877.35	326.54
11 68 13 00-2177	EA		P-A-B " L" Crawl Tube - Clear 80706.....	2,989.36	520.17
11 68 13 00-2178	EA		P-A-B " L" Crawl Tube - Smoke 80707.....	2,989.36	520.17
11 68 13 00-2179	EA		Crawl Tube Attachment 80708.....	954.27	166.49
11 68 13 00-2180	EA		180 Degree Crawl Tube 80709.....	1,938.20	337.12
11 68 13 00-2181	EA		4' Clear Crawl Tube 80710.....	2,345.73	407.95
11 68 13 00-2182	EA		8' Clear Crawl Tube 80711.....	3,968.49	690.80
11 68 13 00-2183	EA		4' Smoke Crawl Tube 80712.....	2,345.73	407.95
11 68 13 00-2184	EA		8' Smoke Crawl Tube 80713.....	3,968.49	690.80
11 68 13 00-2185	EA		S' Crawl Tube 80714.....	1,809.17	314.59
11 68 13 00-2186	EA		8' Tunnel-Up 80715.....	2,386.19	415.77
11 68 13 00-2187	EA		Sidewinder Crawl Tube 80717.....	2,177.80	379.44
11 68 13 00-2188	EA		Boomerang Crawl Tube 80718.....	2,521.94	438.30
11 68 13 00-2189	EA		Big Dipper Crawl Tube 80719.....	1,582.30	275.03
11 68 13 00-2190	EA		Down Under Crawl Tube 80720.....	3,109.16	541.33
11 68 13 00-2191	EA		Tsunami Crawl Tube 80721.....	3,109.16	541.33
11 68 13 00-2192	EA		30" Punched Crawl Tube Above Deck 80722.....	3,803.45	662.29
11 68 13 00-2193	EA		30" Punched Crawl Tube Below Deck 80723.....	4,172.43	725.75
11 68 13 00-2194	EA		4-Way Crawl Tube 80724.....	2,624.22	456.70
11 68 13 00-2195	EA		Criss Cross Crawl Tube 80725.....	4,749.42	826.93
11 68 13 00-2196	EA		Double Down Under Crawl Tube 80726.....	4,328.23	752.89
11 68 13 00-2197	EA		Zig Zag Crawl Tube 80727.....	3,761.06	654.47
11 68 13 00-2198	EA		Rung Enclosure 80776.....	602.22	104.40
11 68 13 00-2199	EA		Dolphin Enclosure 80778.....	888.99	154.08
11 68 13 00-2200	EA		Shooting Star Enclosure 80784.....	710.85	124.18
11 68 13 00-2201	EA		Butterfly Enclosure 80788.....	710.85	124.18
11 68 13 00-2202	EA		Custom Steel Enclosure 80789.....	888.99	154.08
11 68 13 00-2203	EA		Eagle Perch Enclosure 80792.....	710.85	124.18
11 68 13 00-2204	EA		Stencil Enclosure 80807.....	710.85	124.18
11 68 13 00-2205	EA		Crow' S Nest Platform 80809.....	1,112.01	193.63
11 68 13 00-2206	EA		Crow' S Nest With Steer Wheel 80810.....	1,268.78	220.76
11 68 13 00-2207	EA		Veranda 80814.....	1,321.35	229.96
11 68 13 00-2208	EA		Steering Wheel Enclosure 80815.....	761.51	132.91
11 68 13 00-2209	EA		Double Steering Wheel Enclosure 80816.....	904.60	157.30
11 68 13 00-2210	EA		Contoured Seat Panel 80817.....	931.35	161.90
11 68 13 00-2211	EA		Funnel Enclosure 80818.....	583.74	101.18
11 68 13 00-2212	EA		Metal Mirror Panel 80819.....	1,148.02	199.60
11 68 13 00-2213	EA		Balustrade Enclosure 80820.....	810.60	140.73
11 68 13 00-2214	EA		Enclosure With Timber 80821.....	954.27	166.49
11 68 13 00-2215	EA		Flat Mirror Panel 80822.....	1,219.08	211.57
11 68 13 00-2216	EA		Wavy Mirror Panel 80826.....	1,977.70	344.48
11 68 13 00-2217	EA		Rain Wheel Panel 80827.....	1,381.25	240.54
11 68 13 00-2218	EA		4' Enclosure Panel With Graphics 80828.....	602.22	104.40
11 68 13 00-2219	EA		Accessibility Panel 80829.....	651.91	113.60
11 68 13 00-2220	EA		Window Panel 80830.....	877.82	152.69
11 68 13 00-2221	EA		Mini Bus Panel 80831.....	851.06	148.09
11 68 13 00-2222	EA		Piston Panel Enclosure 80832.....	1,849.62	321.94
11 68 13 00-2223	EA		Round Mirror Panel Enclosure 80833.....	1,152.46	200.99
11 68 13 00-2224	EA		Zoo Panel Enclosure 80835.....	789.23	137.52
11 68 13 00-2225	EA		Bubble Panel 80836.....	789.23	137.52
11 68 13 00-2226	EA		Bug Eye Panel 80837.....	1,120.29	195.00
11 68 13 00-2227	EA		Bright View Panel 80838.....	1,005.89	175.23
11 68 13 00-2228	EA		Space Window 80839.....	888.99	154.08
11 68 13 00-2229	EA		Interactive Panel - Animal 80841.....	939.64	163.27
11 68 13 00-2230	EA		Counting Panel 80843.....	939.64	163.27
11 68 13 00-2231	EA		Math Panel 80844.....	939.64	163.27
11 68 13 00-2232	EA		Objects Panel 80845.....	939.64	163.27
11 68 13 00-2233	EA		Shapes Panel 80846.....	939.64	163.27
11 68 13 00-2234	EA		Noah' S Ark Panel 80847.....	939.64	163.27
11 68 13 00-2235	EA		Endangered Species Panel 80848.....	939.64	163.27
11 68 13 00-2236	EA		Nature Panel 80849.....	939.64	163.27
11 68 13 00-2237	EA		Solar Panel 80850.....	939.64	163.27
11 68 13 00-2238	EA		Tic-Tac-Toe Panel Enclosure 80854.....	971.80	169.25
11 68 13 00-2239	EA		Custom Text Disc Panel 80855.....	1,267.82	220.76



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-2240 EA Custom Mascot Panel 80856.....	1,422.66	247.90
11 68 13 00-2241 EA Anchors Away Panel 80859.....	1,314.02	228.12
11 68 13 00-2242 EA Castle Window Panel 80860.....	1,311.14	228.12
11 68 13 00-2243 EA Coat Of Arms Panel 80861.....	1,057.51	184.43
11 68 13 00-2244 EA Count And Spell Panel 80862.....	1,041.90	181.21
11 68 13 00-2245 EA Count And Spell Panel 80863.....	1,591.55	276.87
11 68 13 00-2246 EA Maze Time Panel 80864.....	1,363.72	237.32
11 68 13 00-2247 EA Ocean Liner Panel 80865.....	1,363.72	237.32
11 68 13 00-2248 EA Royal Castle Panel 80866.....	2,304.32	400.59
11 68 13 00-2249 EA Tower Guard Panel 80867.....	2,630.57	458.08
11 68 13 00-2250 EA Contoured Seat - Below Deck 80868.....	766.31	132.91
11 68 13 00-2251 EA Metal Storefront Panel 80869.....	874.94	152.69
11 68 13 00-2252 EA Store Panel 80876.....	954.27	166.49
11 68 13 00-2253 EA Battle Knight Panel 80877.....	1,621.80	282.85
11 68 13 00-2254 EA Princess Panel 80879.....	1,621.80	282.85
11 68 13 00-2255 EA Thespian Theater Panel 80881.....	1,621.80	282.85
11 68 13 00-2256 EA Flat Mirror - Below Deck 80883.....	1,219.08	211.57
11 68 13 00-2257 EA Wavy Mirror - Below Deck 80884.....	2,067.25	359.66
11 68 13 00-2258 EA Rung Enclosure - Below Deck 80886.....	602.22	104.40
11 68 13 00-2259 EA Dolphin Enclosure Below Deck 80888.....	888.99	154.08
11 68 13 00-2260 EA Shooting Star Enclosure 80895.....	888.99	154.08
11 68 13 00-2261 EA Butterfly Enclosure Below Deck 80898.....	904.60	157.30
11 68 13 00-2262 EA Eagle Perch Enclosure Below Deck 80903.....	888.99	154.08
11 68 13 00-2263 EA Stencil Enclosure Below Deck 80907.....	888.99	154.08
11 68 13 00-2264 EA Custom Steel Enclosure Below 80913.....	888.99	154.08
11 68 13 00-2265 EA Steering Wheel Enclosure Below 80919.....	761.51	132.91
11 68 13 00-2266 EA Double Steering Wheel Enclosure 80920.....	906.52	157.30
11 68 13 00-2267 EA Metal Mirror Panel - Below 80922.....	1,148.02	199.60
11 68 13 00-2268 EA Enclosure With Timber Below 80923.....	954.27	166.49
11 68 13 00-2269 EA Double Seat 80924.....	625.86	85.68
11 68 13 00-2270 EA Leaning Rail 80925.....	206.46	36.33
11 68 13 00-2271 EA Leaf Enclosure 80926.....	731.26	126.94
11 68 13 00-2272 EA Telescope Enclosure 80927.....	1,270.70	220.76
11 68 13 00-2273 EA Kaleidoscope Enclosure 80928.....	1,314.02	228.12
11 68 13 00-2274 EA Gizmo Panel - 5 Gizmos 80930.....	494.19	86.00
11 68 13 00-2275 EA Single Gizmo Panel 80931.....	309.87	49.67
11 68 13 00-2276 EA Gizmo Panel ADA - 3 Gizmos Below Deck 80932.....	499.34	68.52
11 68 13 00-2277 EA Decorative Panel 80933.....	485.90	84.63
11 68 13 00-2278 EA Decorative Panel With Wheel 80934.....	627.06	109.00
11 68 13 00-2279 EA Wide Platform Barrier 80935.....	641.71	111.76
11 68 13 00-2280 EA Choo Panel 80936.....	747.82	130.15
11 68 13 00-2281 EA Drivers Panel 80937.....	747.82	130.15
11 68 13 00-2282 EA Telescope Enclosure Panel Below Deck 80938.....	1,616.40	281.02
11 68 13 00-2283 EA Kaleidoscope Enclosure Panel Below Deck 80939.....	1,387.61	241.91
11 68 13 00-2284 EA Double Steering Wheel Enclosure - 6" - 8" 80940.....	961.61	167.87
11 68 13 00-2285 EA 30" Bubble Panel 80941.....	805.79	140.73
11 68 13 00-2286 EA Arch Bridge - 98" Link 81101.....	4,506.00	784.62
11 68 13 00-2287 EA Arch Bridge - 147" Link 81102.....	5,124.79	891.79
11 68 13 00-2288 EA Challenge Canyon Bridge 81103.....	2,761.53	480.62
11 68 13 00-2289 EA 90 Degree Curved Bridge 81105.....	4,890.59	851.31
11 68 13 00-2290 EA S Curved Bridge 81106.....	9,287.02	1,616.16
11 68 13 00-2291 EA 90 Degree Funnel Bridge 81107.....	3,715.82	647.11
11 68 13 00-2292 EA Funnel Bridge - 49" 81108.....	2,293.16	399.21
11 68 13 00-2293 EA Funnel Bridge - 98" 81109.....	3,083.35	536.72
11 68 13 00-2294 EA Lo-Wave Bridge With Barrier 81110.....	2,187.04	380.81
11 68 13 00-2295 EA Hi-Wave Bridge With Barrier 81111.....	2,283.91	397.38
11 68 13 00-2296 EA Mini-Arch Bridge 81112.....	2,307.80	401.97
11 68 13 00-2297 EA Suspension Bridge 81113.....	4,622.33	804.40
11 68 13 00-2298 EA 90 Degree Lily Pad Link 81114.....	2,449.92	426.35
11 68 13 00-2299 EA Straight Lily Pad 2 Deck 81115.....	2,300.48	400.59
11 68 13 00-2300 EA Serpentine Lily Pad 2 Deck 81116.....	2,537.55	441.53
11 68 13 00-2301 EA Straight Lily Pad 3 Deck 81118.....	2,886.12	501.77
11 68 13 00-2302 EA Serpentine Lily Pad 3 Deck 81119.....	3,125.72	544.08
11 68 13 00-2303 EA Sky Bridge 81121.....	5,869.72	1,021.95
11 68 13 00-2304 EA Funnel Suspension Bridge 81140.....	4,671.05	813.14
11 68 13 00-2305 EA Incline Cosmix Offset 81141.....	1,495.64	259.85
11 68 13 00-2306 EA Incline Cosmix Center 81142.....	1,467.92	255.72
11 68 13 00-2307 EA Giant Wave Climber Link 81143.....	2,379.82	414.39
11 68 13 00-2308 EA Mini Pod Link, Single 81144.....	754.73	128.32
11 68 13 00-2309 EA Mini Pod Link, Double 81145.....	1,525.90	266.30
11 68 13 00-2310 EA Inclined Mini Pod Link 1'-0" - 2'-6" 81146.....	757.07	131.54
11 68 13 00-2311 EA Inclined Mini Pod Link 1'-0" - 3'-0" 81147.....	1,555.54	270.43
11 68 13 00-2312 EA 1'-0" Stepped Platform 81201.....	1,604.27	279.63
11 68 13 00-2313 EA 2'-0" Stepped Platform 81202.....	1,773.16	308.60
11 68 13 00-2314 EA 2'-6" Stepped Platform 81203.....	2,328.21	405.19
11 68 13 00-2315 EA 3'-0" Stepped Platform 81204.....	2,555.07	444.29
11 68 13 00-2316 EA 4'-0" Stepped Platform 81205.....	2,987.44	520.17
11 68 13 00-2317 EA 3'-0" Peek-A-Boo-Clear 81216.....	2,656.39	462.68
11 68 13 00-2318 EA 4'-0" Peek-A-Boo-Clear 81217.....	2,865.72	499.02
11 68 13 00-2319 EA 5'-0" Peek-A-Boo-Clear 81218.....	3,075.07	535.35
11 68 13 00-2320 EA 6'-0" Peek-A-Boo-Clear 81219.....	3,284.40	571.22



**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment And Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 68 13 00-2321	EA		3'-0" Peek-A-Boo-Smoke 81220	2,656.39	462.68
11 68 13 00-2322	EA		4'-0" Peek-A-Boo-Smoke 81221	2,865.72	499.02
11 68 13 00-2323	EA		5'-0" Peek-A-Boo-Smoke 81222	3,075.07	535.35
11 68 13 00-2324	EA		6'-0" Peek-A-Boo-Smoke 81223	3,284.40	571.22
11 68 13 00-2325	EA		4'-0" Quick 'L' Tube Slide 81224	1,943.62	338.50
11 68 13 00-2326	EA		5'-0" Quick 'L' Tube Slide 81225	2,212.85	385.41
11 68 13 00-2327	EA		6'-0" Quick 'L' Tube Slide 81226	2,482.09	432.33
11 68 13 00-2328	EA		8' Quick 'L' Tube Slide 81227	3,076.03	535.35
11 68 13 00-2329	EA		8' Quick 'L' Tube Slide Clear 81228	4,038.59	702.75
11 68 13 00-2330	EA		8' Quick 'L' Tube Slide Smoke 81229	4,038.59	702.75
11 68 13 00-2331	EA		4'-0" L Tube Slide 81230	2,049.72	356.90
11 68 13 00-2332	EA		5'-0" L Tube Slide 81231	2,256.18	393.23
11 68 13 00-2333	EA		6'-0" L Tube Slide 81232	2,461.08	427.72
11 68 13 00-2334	EA		4'-0" Peek-A-Boo Clear 81233	2,947.96	512.35
11 68 13 00-2335	EA		5'-0" Peek-A-Boo Clear 81234	3,206.02	557.89

**11 68 13 00-2336 Gametime Playground Equipment Models 81235 To 81652 (11 68 13 00-1290)**

11 68 13 00-2337	EA		6'-0" Peek-A-Boo Clear 81235	3,463.13	603.41
11 68 13 00-2338	EA		4'-0" Peek-A-Boo Smoke 81236	2,999.57	521.54
11 68 13 00-2339	EA		5'-0" Peek-A-Boo Smoke 81237	3,211.43	559.26
11 68 13 00-2340	EA		6'-0" Peek-A-Boo Smoke 81238	3,420.78	595.60
11 68 13 00-2341	EA		5' Quick 'S' Tube Slide 81239	2,301.44	400.59
11 68 13 00-2342	EA		6' Quick 'S' Tube Slide 81240	2,595.52	452.11
11 68 13 00-2343	EA		4' 'S' Tube Slide 81241	2,139.26	372.08
11 68 13 00-2344	EA		5' 'S' Tube Slide 81242	2,388.11	415.77
11 68 13 00-2345	EA		6' 'S' Tube Slide 81243	2,633.45	458.08
11 68 13 00-2346	EA		5' 'S' Peek-A-Boo Clear 81244	3,276.13	569.84
11 68 13 00-2347	EA		6' 'S' Peek-A-Boo Clear 81245	3,483.55	606.17
11 68 13 00-2348	EA		5' 'S' Peek-A-Boo Smoke 81246	3,336.02	580.42
11 68 13 00-2349	EA		6' 'S' Peek-A-Boo Smoke 81247	3,674.40	639.29
11 68 13 00-2350	EA		Spiral Tube Slide 81248	3,327.74	579.04
11 68 13 00-2351	EA		120 Degree Tube Slide 81249	2,590.12	450.72
11 68 13 00-2352	EA		2'-0" Straight Tube Slide 81250	1,538.01	267.67
11 68 13 00-2353	EA		3'-0" Straight Tube Slide 81251	1,755.63	305.39
11 68 13 00-2354	EA		4'-0" Straight Tube Slide 81252	1,973.26	343.11
11 68 13 00-2355	EA		5'-0" Straight Tube Slide 81253	2,190.88	380.81
11 68 13 00-2356	EA		6'-0" Straight Tube Slide 81254	2,412.95	420.36
11 68 13 00-2357	EA		Wiggle Slide 81255	3,457.74	601.57
11 68 13 00-2358	EA		Flip Slide 81265	1,870.03	325.17
11 68 13 00-2359	EA		Flip Slide With Tunnel 81266	2,086.69	362.88
11 68 13 00-2360	EA		Flip Slide With Hood 81267	1,873.51	326.54
11 68 13 00-2361	EA		Wishbone Slide 81268	3,353.55	583.63
11 68 13 00-2362	EA		Wildslide Exit Section 81274	688.88	119.58
11 68 13 00-2363	EA		Wildslide Straight Section 81275	323.74	56.11
11 68 13 00-2364	EA		Wildslide Left Curve 81276	323.74	56.11
11 68 13 00-2365	EA		Wildslide Right Curve 81277	323.74	56.11
11 68 13 00-2366	EA		Wildslide 3' Support 81278	130.95	22.54
11 68 13 00-2367	EA		Wildslide 4' Support 81279	149.44	25.76
11 68 13 00-2368	EA		Little Foot Slide 81286	982.01	170.63
11 68 13 00-2369	EA		Little Foot With Hood 81287	998.58	173.85
11 68 13 00-2370	EA		3'-0" S.S. Straight Chuter 81288	1,552.66	270.43
11 68 13 00-2371	EA		4'-0" S.S. Straight Chuter 81289	1,744.48	304.00
11 68 13 00-2372	EA		5'-0" S.S. Straight Chuter 81290	1,936.28	337.12
11 68 13 00-2373	EA		6'-0" S.S. Straight Chuter 81291	2,128.11	370.24
11 68 13 00-2374	EA		7'-0" S.S. Straight Chuter 81292	2,319.92	403.81
11 68 13 00-2375	EA		8'-0" S.S. Straight Chuter 81293	2,511.74	436.93
11 68 13 00-2376	EA		3'-0" S.S. Double Chuter 81294	2,406.58	418.53
11 68 13 00-2377	EA		4'-0" S.S. Double Chuter 81295	2,694.31	468.66
11 68 13 00-2378	EA		5'-0" S.S. Double Chuter 81296	3,051.17	530.75
11 68 13 00-2379	EA		6'-0" S.S. Double Chuter 81297	3,408.04	592.84
11 68 13 00-2380	EA		7'-0" S.S. Double Chuter 81298	3,767.43	656.31
11 68 13 00-2381	EA		8'-0" S.S. Double Chuter 81299	4,124.29	717.93
11 68 13 00-2382	EA		Bigfoot Slide 81300	4,880.40	849.47
11 68 13 00-2383	EA		6'-0" Rockslide 81301	5,144.24	895.01
11 68 13 00-2384	EA		7'-0" Rockslide 81303	5,144.24	895.01
11 68 13 00-2385	EA		8'-0" Rockslide 81305	5,144.24	895.01
11 68 13 00-2386	EA		4'-0" S.S. Spiral Slide 81311	15,410.35	2,681.80
11 68 13 00-2387	EA		5'-0" S.S. Spiral Slide 81312	15,444.52	2,687.77
11 68 13 00-2388	EA		6'-0" S.S. Spiral Slide 81313	15,478.58	2,693.76
11 68 13 00-2389	EA		Sky-Hi Spiral Tube Slide 81314	3,454.85	601.57
11 68 13 00-2390	EA		Sky-Hi Spiral P-A-B Clear 81315	4,665.66	811.76
11 68 13 00-2391	EA		Sky-Hi Spiral P-A-B Smoke 81316	4,665.66	811.76
11 68 13 00-2392	EA		8' Straight Tube Slide 81317	3,013.25	524.77
11 68 13 00-2393	EA		8' Straight P-A-B-Clear 81318	4,056.11	705.98
11 68 13 00-2394	EA		8' Straight P-A-B-Smoke 81319	4,056.11	705.98
11 68 13 00-2395	EA		4' F5 Slide Attachment 81320	4,722.67	822.34
11 68 13 00-2396	EA		5'-0" F5 Spiral Slide 81321	4,561.46	793.83
11 68 13 00-2397	EA		6' F5 Slide Attachment 81322	4,401.81	766.69
11 68 13 00-2398	EA		1' Wildslide Exit Section 81323	496.11	86.00
11 68 13 00-2399	EA		Wildslide 135 Degree Section 81324	513.63	89.22



<b>Equipment</b>	<b>11</b>
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>
<b>Play Field Equipment And Structures</b>	<b>11 68</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68	13 00-2400	EA	Wildslide Entrance Section 81325.....	879.74	152.69
11 68	13 00-2401	EA	Wildslide Double Entrance Section 81326.....	2,281.99	397.38
11 68	13 00-2402	EA	4'-6" F5 Spiral Slide 81327.....	4,722.67	822.34
11 68	13 00-2403	EA	5'-6" F5 Spiral Slide 81328.....	4,561.46	793.83
11 68	13 00-2404	EA	Double Over-N-Under Wildslide 81329.....	5,524.03	961.69
11 68	13 00-2405	EA	Wilderslide Outrigger 81330.....	158.69	27.13
11 68	13 00-2406	EA	4'-0" F5 Spiral Slide 81331.....	4,401.81	766.69
11 68	13 00-2407	EA	4'-6" F5 Spiral Slide 81332.....	4,401.81	766.69
11 68	13 00-2408	EA	5'-0" F5 Spiral Slide 81333.....	4,240.61	737.71
11 68	13 00-2409	EA	5'-6" F5 Spiral Slide 81334.....	4,240.61	737.71
11 68	13 00-2410	EA	6'-0" F5 Spiral Slide 81335.....	4,081.92	710.58
11 68	13 00-2411	EA	4' Zip Slide 81337.....	1,338.87	232.72
11 68	13 00-2412	EA	5' Zip Slide 81338.....	1,467.92	255.72
11 68	13 00-2413	EA	6' Wave Zip Slide 81339.....	1,639.32	285.61
11 68	13 00-2414	EA	Rumble Slide With Metal Enclosure 81340.....	1,738.11	302.17
11 68	13 00-2415	EA	Double Slide With Metal Enclosure 81341.....	1,849.62	321.94
11 68	13 00-2416	EA	6' Dueling Wave Zip Slide 81342.....	2,094.02	364.26
11 68	13 00-2417	EA	4' Double Zip Slide 81343.....	1,725.99	300.79
11 68	13 00-2418	EA	5' Double Zip Slide 81344.....	1,938.20	337.12
11 68	13 00-2419	EA	7' Double Zip Slide 81345.....	2,920.22	507.75
11 68	13 00-2420	EA	3' Wave Zip Slide 81346.....	990.28	172.47
11 68	13 00-2421	EA	3' Curved Zip Slide 81347.....	1,068.68	185.81
11 68	13 00-2422	EA	3' Rumble And Roll Zip Slide 81348.....	1,417.26	246.51
11 68	13 00-2423	EA	Zip Slide - 7'-6", 8'-0" 81349.....	2,232.29	388.63
11 68	13 00-2424	EA	Zip Slide With Gizmos - 7'-6", 8'-0" 81350.....	2,977.24	518.33
11 68	13 00-2425	EA	2' And 3' Climbing Pole 81451.....	809.63	140.73
11 68	13 00-2426	EA	4' And 5' Climbing Pole 81452.....	816.97	142.12
11 68	13 00-2427	EA	6' Climbing Pole 81453.....	947.92	164.66
11 68	13 00-2428	EA	2'-6" And 3'-6" Climbing Pole 81454.....	741.46	128.32
11 68	13 00-2429	EA	2'-0" Oset Horizontal Ladder 81460.....	998.58	173.85
11 68	13 00-2430	EA	2'-6" Oset Horizontal Ladder 81461.....	1,048.27	183.05
11 68	13 00-2431	EA	3'-0" Oset Horizontal Ladder 81462.....	1,095.44	190.41
11 68	13 00-2432	EA	Oset Horizontal Ladder Link 81463.....	735.69	128.32
11 68	13 00-2433	EA	SHorizontal Ladder 1'-6" Attachment 81464.....	888.99	154.08
11 68	13 00-2434	EA	SHorizontal Ladder 2'-0" Attachment 81465.....	935.79	163.27
11 68	13 00-2435	EA	SHorizontal Ladder 2'-6" Attachment 81466.....	980.09	170.63
11 68	13 00-2436	EA	SHorizontal Ladder 3'-0" Attachment 81467.....	1,024.38	178.45
11 68	13 00-2437	EA	SHorizontal Ladder Link 81468.....	592.98	103.02
11 68	13 00-2438	EA	1'-6" Horizontal Loop Attachment 98" 81469.....	883.22	154.08
11 68	13 00-2439	EA	2'-0" Horizontal Loop Attachment 98" 81470.....	900.75	157.30
11 68	13 00-2440	EA	2'-6" Horizontal Loop Attachment 98" 81471.....	918.27	160.05
11 68	13 00-2441	EA	3'-0" Horizontal Loop Attachment 98" 81472.....	935.79	163.27
11 68	13 00-2442	EA	Horizontal Ladder Link 98" 81473.....	570.64	99.81
11 68	13 00-2443	EA	2'-6" Horizontal Loop Attachment 147" 81476.....	1,051.16	183.05
11 68	13 00-2444	EA	3'-0" Horizontal Loop Attachment 147" 81477.....	1,068.68	185.81
11 68	13 00-2445	EA	Horizontal Ladder Link 147" 81478.....	702.57	122.34
11 68	13 00-2446	EA	1'-6" 90 Degree Loop Ladder 81479.....	947.92	164.66
11 68	13 00-2447	EA	2'-0" 90 Degree Loop Ladder 81480.....	991.24	172.47
11 68	13 00-2448	EA	2'-6" 90 Degree Loop Ladder 81481.....	1,034.59	179.82
11 68	13 00-2449	EA	3'-0" 90 Degree Loop Ladder 81482.....	1,077.91	187.64
11 68	13 00-2450	EA	90 Degree Loop Ladder Link 81483.....	640.75	111.76
11 68	13 00-2451	EA	1'-6" Loop Ladder Attachment 98" 81484.....	981.05	170.63
11 68	13 00-2452	EA	2'-0" Loop Ladder Attachment 98" 81485.....	997.62	173.85
11 68	13 00-2453	EA	2'-6" Loop Ladder Attachment 98" 81486.....	1,014.18	177.07
11 68	13 00-2454	EA	3'-0" Loop Ladder Attachment 98" 81487.....	1,030.74	179.82
11 68	13 00-2455	EA	SHorizontal Loop Ladder Link 98" 81488.....	651.91	113.60
11 68	13 00-2456	EA	1'-6" Rev Loop Ladder 98" 81489.....	936.75	163.27
11 68	13 00-2457	EA	2'-0" Rev Loop Ladder 98" 81490.....	974.69	169.25
11 68	13 00-2458	EA	2'-6" Rev Loop Ladder 98" 81491.....	1,015.14	177.07
11 68	13 00-2459	EA	3'-0" Rev Loop Ladder 98" 81492.....	1,053.08	183.05
11 68	13 00-2460	EA	Rev ' S ' Loop Ladder Link 98" 81493.....	679.64	117.73
11 68	13 00-2461	EA	2'-0" Loop Climb Attachment Rev 81495.....	2,206.49	384.03
11 68	13 00-2462	EA	3'-0" Loop Climb Attachment Rev 81497.....	2,264.47	394.61
11 68	13 00-2463	EA	1'-6"/2'-0" Loop Climb Rev 81498.....	1,839.42	320.57
11 68	13 00-2464	EA	2'-6"/3'-0" Loop Climb Rev 81499.....	1,856.95	323.32
11 68	13 00-2465	EA	2'-0" Loop Space Climb Attachment 81501.....	2,200.13	382.66
11 68	13 00-2466	EA	3'-0" Loop Space Climb Attachment 81503.....	2,283.91	397.38
11 68	13 00-2467	EA	1'-6"/2'-0" Loop Space Link 81504.....	1,839.42	320.57
11 68	13 00-2468	EA	2'-6"/3'-0" Loop Space Link 81505.....	1,833.06	319.18
11 68	13 00-2469	EA	1'-6" Horizontal Loop Attachment 98" 81506.....	931.35	161.90
11 68	13 00-2470	EA	2'-0" Horizontal Loop Attachment 98" 81507.....	974.69	169.25
11 68	13 00-2471	EA	2'-6" Horizontal Loop Attachment 98" 81508.....	1,018.02	177.07
11 68	13 00-2472	EA	3'-0" Horizontal Loop Attachment 98" 81509.....	1,061.35	184.43
11 68	13 00-2473	EA	Horizontal Loop Ladder Link 98" Link 81510.....	625.14	109.00
11 68	13 00-2474	EA	3'-0" Horizontal Loop Attachment 147" 81514.....	1,240.08	216.17
11 68	13 00-2475	EA	Horizontal Loop Ladder Link 147" 81515.....	783.83	136.14
11 68	13 00-2476	EA	1'-6" Horizontal Rail Attachment 98" 81516.....	748.78	130.15
11 68	13 00-2477	EA	2'-0" Horizontal Rail Attachment 98" 81517.....	766.31	132.91
11 68	13 00-2478	EA	2'-6" Horizontal Rail Attachment 98" 81518.....	783.83	136.14
11 68	13 00-2479	EA	3'-0" Horizontal Rail Attachment 98" 81519.....	801.36	138.90
11 68	13 00-2480	EA	Horizontal Rail Link 98" 81520.....	461.06	80.03

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment And Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-2481 EA 1'-6" Horizontal Rail Attachment 147" 81521.....	875.90	152.69
11 68 13 00-2482 EA 2'-0" Horizontal Rail Attachment 147" 81522.....	893.42	155.91
11 68 13 00-2483 EA 2'-6" Horizontal Rail Attachment 147" 81523.....	910.95	158.67
11 68 13 00-2484 EA 3'-0" Horizontal Rail Attachment 147" 81524.....	928.47	161.90
11 68 13 00-2485 EA Horizontal Rail Link 147" 81525.....	584.70	101.18
11 68 13 00-2486 EA 1'-6" Overhead Tree Climb 81526.....	906.52	157.30
11 68 13 00-2487 EA 2'-0" Overhead Tree Climb 81527.....	946.00	164.66
11 68 13 00-2488 EA 2'-6" Overhead Tree Climb 81528.....	982.97	170.63
11 68 13 00-2489 EA 3'-0" Overhead Tree Climb 81529.....	1,022.46	178.45
11 68 13 00-2490 EA Overhead Tree Climber Link 81530.....	570.64	99.81
11 68 13 00-2491 EA 1'-6" Skywheel Attachment 81531.....	1,790.68	311.36
11 68 13 00-2492 EA 2'-0" Skywheel Attachment 81532.....	1,835.94	319.18
11 68 13 00-2493 EA 2'-6" Skywheel Attachment 81533.....	1,883.71	327.93
11 68 13 00-2494 EA 3'-0" Skywheel Attachment 81534.....	1,928.97	335.74
11 68 13 00-2495 EA Skywheel Link 81535.....	1,468.88	255.72
11 68 13 00-2496 EA 1'-6" Swing-N-Sway Attachment 81536.....	1,954.77	340.34
11 68 13 00-2497 EA 2'-0" Swing-N-Sway Attachment 81537.....	1,971.34	343.11
11 68 13 00-2498 EA 2'-6" Swing-N-Sway Attachment 81538.....	1,987.90	346.32
11 68 13 00-2499 EA 3'-0" Swing-N-Sway Attachment 81539.....	2,004.47	349.08
11 68 13 00-2500 EA Swing-N-Sway Link 81540.....	1,624.68	282.85
11 68 13 00-2501 EA 1'-6" Trapeze Bar Attachment 81541.....	1,870.03	325.17
11 68 13 00-2502 EA 2'-0" Trapeze Bar Attachment 81542.....	1,887.56	327.93
11 68 13 00-2503 EA 2'-6" Trapeze Bar Attachment 81543.....	1,905.08	331.14
11 68 13 00-2504 EA 3'-0" Trapeze Bar Attachment 81544.....	1,922.61	333.90
11 68 13 00-2505 EA Trapeze Bar Link 81545.....	1,642.20	285.61
11 68 13 00-2506 EA 3'-0" 90 Degree Trapeze Ring 81550.....	1,040.94	181.21
11 68 13 00-2507 EA 1'-6" Trap Ring Attachment 98" 81551.....	1,278.01	222.14
11 68 13 00-2508 EA 2'-0" Trap Ring Attachment 98" 81552.....	1,326.75	231.34
11 68 13 00-2509 EA 2'-6" Trap Ring Attachment 98" 81553.....	1,372.96	238.70
11 68 13 00-2510 EA 3'-0" Trap Ring Attachment 98" 81554.....	1,421.70	247.90
11 68 13 00-2511 EA Single Trapeze Link 98" 81555.....	982.01	170.63
11 68 13 00-2512 EA 1'-6" Trap Ring Attachment 98" 81556.....	1,921.64	333.90
11 68 13 00-2513 EA 2'-0" Trap Ring Attachment 98" 81557.....	1,969.42	343.11
11 68 13 00-2514 EA 2'-6" Trap Ring Attachment 98" 81558.....	2,014.67	350.92
11 68 13 00-2515 EA 3'-0" Trap Ring Attachment 98" 81559.....	2,059.93	358.27
11 68 13 00-2516 EA Double Trapeze Link 98" 81560.....	1,642.20	285.61
11 68 13 00-2517 EA 2'-0" "S" Trapeze Ladder 81562.....	1,674.38	291.59
11 68 13 00-2518 EA 3'-0" "S" Trapeze Ladder 81564.....	1,763.93	306.77
11 68 13 00-2519 EA S Trapeze Ladder Link 81565.....	1,294.58	225.36
11 68 13 00-2520 EA 2'-0" Wild Goose Trapeze 81567.....	1,990.78	346.32
11 68 13 00-2521 EA 3'-0" Wild Goose Trapeze 81569.....	2,082.85	362.88
11 68 13 00-2522 EA 1'-6" Wild Goose Loop Ladder Attachment 81570.....	1,345.23	234.10
11 68 13 00-2523 EA 2'-0" Wild Goose Loop Ladder Attachment 81571.....	1,388.57	241.91
11 68 13 00-2524 EA 2'-6" Wild Goose Loop Ladder Attachment 81572.....	1,431.89	249.27
11 68 13 00-2525 EA 3'-0" Wild Goose Loop Ladder Attachment 81573.....	1,475.24	257.09
11 68 13 00-2526 EA Criss-Cross Loop Ladder 81574.....	1,553.62	270.43
11 68 13 00-2527 EA 1'-6"/2" Wild Goose Trap 81579.....	4,328.23	752.89
11 68 13 00-2528 EA 2'-6"/3" Wild Goose Trap 81580.....	4,377.93	762.08
11 68 13 00-2529 EA 1'-6" And 2' Wild Goose Loop Link 81581.....	4,430.45	604.80
11 68 13 00-2530 EA 2'-6" And 3' Wild Goose Loop Link 81582.....	4,492.04	613.99
11 68 13 00-2531 EA Single Sky Bridge Loop Climb 81583.....	579.90	101.18
11 68 13 00-2532 EA Single Sky Bridge Trapeze 81584.....	1,044.78	181.21
11 68 13 00-2533 EA Skywheel Attachment 81587.....	1,016.10	177.07
11 68 13 00-2534 EA Dip Station 81651.....	402.12	69.45
11 68 13 00-2535 EA Ship's Bow 81652.....	2,136.38	372.08

**11 68 13 00-2536 Gametime Playground Equipment Models >81654 (11 68 13 00-1290)**

11 68 13 00-2537 EA Cargo Net Wall - Single 81654.....	729.34	126.94
11 68 13 00-2538 EA Cargo Net Wall - Double 81655.....	1,310.18	228.12
11 68 13 00-2539 EA 1-Level Chin Bar 81656.....	166.01	28.51
11 68 13 00-2540 EA 2-Level Chin Bar 81657.....	332.01	57.49
11 68 13 00-2541 EA 3-Level Chin Bar 81658.....	498.03	86.00
11 68 13 00-2542 EA Climbing Wall 81659.....	328.17	57.49
11 68 13 00-2543 EA Track Ride 3 - Deck Span 81660.....	2,000.99	347.70
11 68 13 00-2544 EA Track Ride 4 - Deck Span 81661.....	2,240.58	390.02
11 68 13 00-2545 EA Wallcano Bench 81663.....	899.02	148.09
11 68 13 00-2546 EA Crunch Bar 81670.....	92.01	12.61
11 68 13 00-2547 EA 2-5 Age Appropriate Sign 81671.....	148.48	25.76
11 68 13 00-2548 EA 5-12 Age Appropriate Sign 81672.....	148.48	25.76
11 68 13 00-2549 EA 2-5 Age Sign (Spanish) 81673.....	148.48	25.76
11 68 13 00-2550 EA 5-12 Age Sign (Spanish) 81674.....	148.48	25.76
11 68 13 00-2551 EA 6"-2'-0" Talk Tube 81675.....	590.09	103.02
11 68 13 00-2552 EA 2'-6"-3'-6" Talk Tube 81676.....	627.06	109.00
11 68 13 00-2553 EA 4'-0"-5'-0" Talk Tube 81677.....	666.56	116.36
11 68 13 00-2554 EA 5'-6"-7'-6" Talk Tube 81678.....	703.53	122.34
11 68 13 00-2555 EA Ground Level Talk Tube 81679.....	470.30	81.40
11 68 13 00-2556 EA Single Seat 81680.....	249.80	43.69
11 68 13 00-2557 EA Turning Bar 81681.....	244.07	28.24
11 68 13 00-2558 EA Telescope Upright Attachment 81684.....	792.11	137.52
11 68 13 00-2559 EA Kaleidoscope Upright Attachment 81685.....	775.55	134.76



<b>Equipment</b>	<b>11</b>
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>
<b>Play Field Equipment And Structures</b>	<b>11 68</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68	13 00-2560	EA	Therapeutic Rings Attachment 81688.....	358.79	62.09
11 68	13 00-2561	EA	Upper Body Trainer 81690.....	1,240.08	216.17
11 68	13 00-2562	EA	Single Steering Wheel 81691.....	257.83	35.28
11 68	13 00-2563	EA	Xcelerator Attachment 81692.....	1,832.09	319.18
11 68	13 00-2564	EA	Train Whistle 81695.....	703.53	122.34
11 68	13 00-2565	EA	Crunch Bar (PS 2-5) 81696.....	92.01	12.61
11 68	13 00-2566	EA	Upper Body Trainer 81701.....	2,397.91	394.61
11 68	13 00-2567	EA	Skywheel 81705.....	1,817.59	299.41
11 68	13 00-2568	EA	Therapeutic Rings 81707.....	892.33	146.72
11 68	13 00-2569	EA	Bigfoot Slide 81713.....	8,416.61	1,384.82
11 68	13 00-2570	EA	Cargo Net Wall, Single 81720.....	1,270.80	208.81
11 68	13 00-2571	EA	Cargo Net Wall, Double 81721.....	1,836.14	302.17
11 68	13 00-2572	EA	Dragon Slide 81722.....	8,168.94	1,343.89
11 68	13 00-2573	EA	S.S. Spiral Without Arch 81729.....	19,567.47	2,952.69
11 68	13 00-2574	EA	S.S. Spiral With Arch 81730.....	20,191.48	3,046.06
11 68	13 00-2575	EA	Rockslide Without Arch 81731.....	8,278.91	1,362.28
11 68	13 00-2576	EA	Rockslide With Arch 81732.....	9,187.96	1,511.76
11 68	13 00-2577	EA	F5 Slide Without Arch 81733.....	7,440.34	1,224.31
11 68	13 00-2578	EA	F5 Slide With Arch 81734.....	8,115.40	1,334.69
11 68	13 00-2579	EA	Track Ride 3 - Deck 81736.....	3,378.78	556.50
11 68	13 00-2580	EA	Track Ride 4 - Deck 81737.....	3,805.59	598.81
11 68	13 00-2581	EA	8' Zip Slide 81738.....	5,834.26	879.83
11 68	13 00-2582	EA	8' Zip Slide With Gizmo 81739.....	6,354.29	958.47
11 68	13 00-2583	EA	Log Roll 81740.....	1,284.15	211.57
11 68	13 00-2584	EA	Swivel Meister 81741.....	1,673.44	275.03
11 68	13 00-2585	EA	Swivel Meister 81742.....	852.98	148.09
11 68	13 00-2586	EA	Log Roll 81743.....	869.54	151.31
11 68	13 00-2587	EA	7' Double Wave Zip Slide 81744.....	6,311.23	952.50
11 68	13 00-2588	EA	Geo-Textile 2250 SF Roll 161290.....	559.88	90.60
11 68	13 00-2589	EA	Geo-Textile 1125 SF Roll 161291.....	279.94	45.54
11 68	13 00-2590	EA	Wear Mat 44" X 48" 161292.....	159.91	25.76
11 68	13 00-2591	EA	Terraflow Drain 75' Roll 161293.....	138.90	22.54
11 68	13 00-2592	EA	Terraflow Drain 150' Roll 161294.....	274.23	43.69

**11 68 13 00-2593 Gametime Playground Equipment Models** (11 68 13 00-1290)

11 68	13 00-2594	EA	Hex Topper (GameTime 32009).....	107.17	14.72
11 68	13 00-2595	EA	Crag Climber (GameTime 32010).....	1,770.38	242.38
11 68	13 00-2596	EA	Stego Rail (Compact) (GameTime 32019).....	356.90	48.75
11 68	13 00-2597	EA	Ziggy Rail (Compact) (GameTime 32020).....	290.18	39.55
11 68	13 00-2598	EA	Hex Pod Step (1') (GameTime 32022).....	595.52	81.40
11 68	13 00-2599	EA	Hex Pod Step (2') (GameTime 32023).....	649.10	88.76
11 68	13 00-2600	EA	Ergo Climbing Link (GameTime 32026).....	3,576.15	489.35
11 68	13 00-2601	EA	Rock Climber (Right Side) (GameTime 32028).....	2,762.24	378.05
11 68	13 00-2602	EA	Vessel (2-Way) (GameTime 32030).....	3,738.93	511.89
11 68	13 00-2603	EA	Vessel (3-Way) (GameTime 32031).....	3,572.11	488.90
11 68	13 00-2604	EA	Erratic Link With Hex Net (GameTime 32039).....	4,399.16	602.04
11 68	13 00-2605	EA	U-Frame With Hex Net (Left Connection) (GameTime 32045).....	2,885.59	395.08
11 68	13 00-2606	EA	The Hive (1-Way) (GameTime 32049).....	6,816.62	933.17
11 68	13 00-2607	EA	Helix Tower With Shad Can2/Cat Slid (GameTime 32057).....	18,977.75	2,598.09
11 68	13 00-2608	EA	Helix Tower With Shad Can2/Cat Slide (GameTime 32058).....	21,374.98	2,926.47
11 68	13 00-2609	EA	Helix Tower With Shad Can3/Cat Slide (GameTime 32059).....	18,804.85	2,574.64
11 68	13 00-2610	EA	Helix Tower With Shad Can And Cat Slide (GameTime 32069).....	20,877.53	2,858.40
11 68	13 00-2611	EA	Trinet (Lg) With Ps Connect And Socket (GameTime 32071).....	18,985.83	2,599.01
11 68	13 00-2612	EA	Trinet (Small) With Twisted Net (GameTime 32089).....	9,673.89	1,324.57
11 68	13 00-2613	EA	Trinet (Medium) With Twisted Net (GameTime 32090).....	16,680.91	2,283.50
11 68	13 00-2614	EA	Trinet (Large) With Twisted Net (GameTime 32091).....	17,916.12	2,452.75
11 68	13 00-2615	EA	Trinet (Large) With Ps Connection And Twisted Net (GameTime 32092).....	18,023.30	2,467.47
11 68	13 00-2616	EA	Twisted Net (GameTime 32098).....	3,891.60	532.59
11 68	13 00-2617	EA	Trinet (Medium) With Twisted Net (GameTime 32099).....	16,791.81	2,298.68
11 68	13 00-2618	EA	Sail Climbing Wall (GameTime 36004).....	1,270.91	173.85
11 68	13 00-2619	EA	Rock Climbing Wall (GameTime 36008).....	2,289.05	313.21
11 68	13 00-2620	EA	Arched Chain Net Link (GameTime 36014).....	1,247.66	170.63
11 68	13 00-2621	EA	Pod Rocker (GameTime 36015).....	883.67	120.96
11 68	13 00-2622	EA	Wide End Balance Beam (GameTime 36018).....	1,351.80	184.88
11 68	13 00-2623	EA	4 Way X-Pod Step (GameTime 36025).....	1,293.15	177.07
11 68	13 00-2624	EA	Single Link Cross Beam Primetime 36 (GameTime 36031).....	167.83	23.00
11 68	13 00-2625	EA	Bongos (GameTime 36064).....	557.09	76.34
11 68	13 00-2626	EA	Nature Bench (GameTime 38043).....	1,660.60	227.20
11 68	13 00-2627	EA	Chrysalis Spinner (GameTime 38045).....	4,387.28	600.66
11 68	13 00-2628	EA	Tree Swing (GameTime 38115).....	7,962.03	1,090.01
11 68	13 00-2629	EA	Flower Talk Tube (GameTime 38217).....	631.39	86.46
11 68	13 00-2630	EA	Flower With Blue Petals (GameTime 38221).....	605.22	82.79
11 68	13 00-2631	EA	Flower With Red Petals (GameTime 38222).....	605.22	82.79
11 68	13 00-2632	EA	Log Balance Beam (GameTime 38230).....	2,718.66	372.08
11 68	13 00-2633	EA	Forked Balance Beam (GameTime 38233).....	3,910.41	535.35
11 68	13 00-2634	EA	12" Stepped Platform (GameTime 80729).....	1,533.79	210.18
11 68	13 00-2635	EA	Crawl-Thru Panel (GameTime 80942).....	473.18	64.85
11 68	13 00-2636	EA	Single Thunderring (GameTime 81664).....	310.40	42.31
11 68	13 00-2637	EA	Fun Seat (GameTime 81666).....	284.05	39.09
11 68	13 00-2638	EA	Nature Discovery Table (GameTime 81668).....	1,557.04	212.94

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment And Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-2639	EA		Bongos (GameTime 81699).....	216.56	29.43
11 68 13 00-2640	EA		4' Transfer Platform With Guardrail (GameTime 90033).....	2,833.02	387.72
11 68 13 00-2641	EA		4' Bubble Climber (GameTime 90042).....	483.29	66.23
11 68 13 00-2642	EA		5'-6" Rockscape Climber (GameTime 90094).....	3,723.77	509.59
11 68 13 00-2643	EA		3'-6"/4' Schooner Climber (GameTime 90105).....	389.26	53.35
11 68 13 00-2644	EA		7'-6"x 8' Schooner Climber (GameTime 90109).....	581.36	79.57
11 68 13 00-2645	EA		8' Vertical Wall Climber (GameTime 90139).....	2,021.13	276.87
11 68 13 00-2646	EA		4'-6"/5' Corner Vine Climber Reverse (GameTime 90147).....	1,618.69	221.69
11 68 13 00-2647	EA		5/6' Double Vine Climber (GameTime 90151).....	3,903.91	534.42
11 68 13 00-2648	EA		3/5' Web Tail (GameTime 90160).....	1,223.51	167.41
11 68 13 00-2649	EA		Ashiko And Djembe Panel (GameTime 90186).....	1,026.23	140.27
11 68 13 00-2650	EA		2-6"/3' Single Curved Zip Slide (GameTime 90193).....	1,339.67	183.51
11 68 13 00-2651	EA		4' Upright, Aluminum Assembly (GameTime 90262).....	178.96	24.37
11 68 13 00-2652	EA		4' Upright, Galvanized Assembly (GameTime G90262).....	170.87	23.46
11 68 13 00-2653	EA		5' Upright, Aluminum Assembly (GameTime 90267).....	213.34	29.43
11 68 13 00-2654	EA		5' Upright, Galvanized Assembly (GameTime G90263).....	204.23	28.06
11 68 13 00-2655	EA		6' Upright, Aluminum Assembly (GameTime 90264).....	247.71	34.03
11 68 13 00-2656	EA		6' Upright, Galvanized Assembly (GameTime G90264).....	237.60	32.66
11 68 13 00-2657	EA		7' Upright, Aluminum Assembly (GameTime 90265).....	282.09	38.63
11 68 13 00-2658	EA		7' Upright, Galvanized Assembly (GameTime G90265).....	270.97	37.25
11 68 13 00-2659	EA		8' Upright, Aluminum Assembly (GameTime 90266).....	316.46	43.24
11 68 13 00-2660	EA		8' Upright, Galvanized Assembly (GameTime G90266).....	304.33	41.85
11 68 13 00-2661	EA		9' Upright, Aluminum Assembly (GameTime 90267).....	350.85	47.83
11 68 13 00-2662	EA		9' Upright, Galvanized Assembly (GameTime G90267).....	337.69	46.45
11 68 13 00-2663	EA		10' Upright, Aluminum Assembly (GameTime 90268).....	385.34	52.89
11 68 13 00-2664	EA		10' Upright, Galvanized Assembly (GameTime G90268).....	371.06	50.60
11 68 13 00-2665	EA		11' Upright, Aluminum Assembly (GameTime 90269).....	419.49	57.49
11 68 13 00-2666	EA		11' Upright, Galvanized Assembly (GameTime G90269).....	404.43	55.19
11 68 13 00-2667	EA		12' Upright, Aluminum Assembly (GameTime 90270).....	454.08	62.09
11 68 13 00-2668	EA		12' Upright, Galvanized Assembly (GameTime G90270).....	437.79	59.79
11 68 13 00-2669	EA		13' Upright, Aluminum Assembly (GameTime 90271).....	488.23	66.69
11 68 13 00-2670	EA		13' Upright, Galvanized Assembly (GameTime G90271).....	471.16	64.39
11 68 13 00-2671	EA		14' Upright, Aluminum Assembly (GameTime 90272).....	522.37	71.29
11 68 13 00-2672	EA		14' Upright, Galvanized Assembly (GameTime G90272).....	504.52	68.99
11 68 13 00-2673	EA		15' Upright, Aluminum, Assembly (GameTime 90273).....	537.89	73.58
11 68 13 00-2674	EA		15' Upright, Galvanized, Assembly (GameTime G90273).....	537.89	73.58
11 68 13 00-2675	EA		2' And 2'-6" Clover Leaf Climber (GameTime 90344).....	801.79	109.92
11 68 13 00-2676	EA		3' And 3'-6" Clover Leaf Climber (GameTime 90345).....	1,067.69	146.25
11 68 13 00-2677	EA		4' And 4'-6" Clover Leaf Climber (GameTime 90346).....	1,330.56	182.12
11 68 13 00-2678	EA		5' And 5'-6" Clover Leaf Climber (GameTime 90347).....	1,448.86	198.23
11 68 13 00-2679	EA		5'-0 F5 Slide With Hood (GameTime 90350).....	5,672.01	776.35
11 68 13 00-2680	EA		River Rock Climber (GameTime 90369).....	1,121.27	153.61
11 68 13 00-2681	EA		4/5' Climbing Pole (GameTime 90371).....	296.24	40.48
11 68 13 00-2682	EA		Rockscape Archway With Barrier (GameTime 90387).....	597.53	81.87
11 68 13 00-2683	EA		3'-0" Overhead Climber Access Ladder (GameTime 90391).....	372.16	51.05
11 68 13 00-2684	EA		1'-6" Rung Kick Plate (GameTime 90395).....	573.27	78.64
11 68 13 00-2685	EA		2' Rung Kick Plate (GameTime 90396).....	575.29	78.64
11 68 13 00-2686	EA		Decorative Panel With Gizmo, Above Deck (GameTime 90430).....	563.16	77.27
11 68 13 00-2687	EA		Decorative Panel With Gizmo, Below Deck (GameTime 90431).....	637.98	87.39
11 68 13 00-2688	EA		Decorative Panel Molded S Whl, Below Deck (GameTime 90432).....	964.55	132.00
11 68 13 00-2689	EA		Decorative Panel Thunderring, Below Deck (GameTime 90433).....	995.90	136.14
11 68 13 00-2690	EA		2'-6"/3' Single Wave Zip Slide (GameTime 90503).....	1,254.74	171.55
11 68 13 00-2691	EA		5' Single Zip Slide (GameTime 90505).....	1,819.92	249.27
11 68 13 00-2692	EA		6' Single Wave Zip Slide (GameTime 90506).....	2,015.94	275.96
11 68 13 00-2693	EA		5' Double Zip Slide, Std Dk (GameTime 90509).....	2,421.45	331.60
11 68 13 00-2694	EA		8' Standard Zip Slide (GameTime 90512).....	2,746.07	375.75
11 68 13 00-2695	EA		2'-6" Rung Kick (GameTime 90533).....	711.78	97.51
11 68 13 00-2696	EA		3' Rung Kick Plate (GameTime 90534).....	735.04	100.72
11 68 13 00-2697	EA		Swerve Slide (GameTime 90578).....	1,568.16	214.78
11 68 13 00-2698	EA		Double Swerve Slide (GameTime 90579).....	2,365.89	323.78
11 68 13 00-2699	EA		Wide Deck Climber Archway (Guardrail) (GameTime 90580).....	557.09	76.34
11 68 13 00-2700	EA		Ridge Climber (Single) (GameTime 90592).....	690.56	94.75
11 68 13 00-2701	EA		Playworx Connector Deck (GameTime 90599).....	803.80	109.92
11 68 13 00-2702	EA		Fun-L Up And Across (GameTime 90616).....	2,715.73	371.62
11 68 13 00-2703	EA		Playworx Swerve Slide (Without Hood) (GameTime 90617).....	1,081.84	148.09
11 68 13 00-2704	EA		Step Up Platform (GameTime 90618).....	3,452.79	472.80
11 68 13 00-2705	EA		Ergo Climber (4'-0" And 4'-6") (GameTime 90619).....	854.36	116.82
11 68 13 00-2706	EA		Ergo Climber (5'-0" And 5'-6") (GameTime 90620).....	975.68	133.38
11 68 13 00-2707	EA		Ergo Climber (6'-0") (GameTime 90621).....	1,071.72	146.72
11 68 13 00-2708	EA		Bubble Panel, Above Deck (GameTime 90631).....	911.98	124.64
11 68 13 00-2709	EA		Stego Climber (8'-0") (GameTime 90636).....	806.83	110.38
11 68 13 00-2710	EA		Net Tunnel (GameTime 90644).....	27,127.95	3,713.86
11 68 13 00-2711	EA		3'-6"/4'-0" Zip Swerve Slide Right (GameTime 90654).....	1,514.58	207.42
11 68 13 00-2712	EA		Spiral Step Climber (3'-0" And 3'-6") (GameTime 90667).....	833.12	114.06
11 68 13 00-2713	EA		Spiral Step Climber (5'-0" And 5'-6") (GameTime 90669).....	1,222.37	167.41
11 68 13 00-2714	EA		Straight Section Wilderslide li (GameTime 90703).....	407.46	55.65
11 68 13 00-2715	EA		Support Wilderslide li (GameTime 90709).....	173.90	23.91
11 68 13 00-2716	EA		Frog Slide Puzzle-Gadget Panel Above Deck (GameTime 90713).....	1,922.04	263.08
11 68 13 00-2717	EA		Single Sun Blossom (GameTime 90738).....	2,280.97	312.29
11 68 13 00-2718	EA		Butterfly Climber (GameTime 90750).....	4,081.68	558.80
11 68 13 00-2719	EA		Long Exit ( Use On 7' And 8' Slides) (GameTime 90762).....	765.38	104.87



	<b>Equipment</b>	<b>11</b>
	<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>
	<b>Play Field Equipment And Structures</b>	<b>11 68</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-2720	EA		Kidnetix Twirl (GameTime 90777) .....	5,232.11	716.10
11 68 13 00-2721	EA		Over N Under (GameTime 90779).....	4,774.26	653.54
11 68 13 00-2722	EA		5' ADA Hex Deck With Shadow Play Flower (GameTime 90820) .....	10,005.53	1,369.64
11 68 13 00-2723	EA		Double Twin Spiral (GameTime 90843).....	7,484.93	1,024.70
11 68 13 00-2724	EA		Archway (3D) (GameTime 91004).....	703.71	96.12
11 68 13 00-2725	EA		Climber Offset Archway (3D) (GameTime 91006) .....	646.07	88.30
11 68 13 00-2726	EA		Archway With Socket (3D) (GameTime 91010).....	769.42	105.32
11 68 13 00-2727	EA		Arch Bridge (3D) 2 Deck Span (GameTime 91018).....	6,176.61	845.80
11 68 13 00-2728	EA		Shadow Tree 3D Tri 0'-6" - 7'-0" (GameTime 91026) .....	5,059.38	692.64
11 68 13 00-2729	EA		3'-0" Transfer Platform (3D) (GameTime 91031).....	3,077.69	421.29
11 68 13 00-2730	EA		5'-0" Transfer Platform (3D) (GameTime 91033).....	5,353.61	733.11
11 68 13 00-2731	EA		1'-0" Transfer System (3D) (GameTime 91034).....	1,749.15	239.62
11 68 13 00-2732	EA		2'-0" Transfer System (3D) (GameTime 91035) .....	2,347.70	321.48
11 68 13 00-2733	EA		2'-0" Transfer System (3D) (GameTime 91035) .....	2,347.70	321.48
11 68 13 00-2734	EA		2'-6" Transfer System (3D) (GameTime 91036).....	3,547.84	485.68
11 68 13 00-2735	EA		3'-0" Transfer System (3D) (GameTime 91037).....	3,764.20	515.11
11 68 13 00-2736	EA		4'-0" Transfer System (3D) (GameTime 91038).....	4,588.23	628.25
11 68 13 00-2737	EA		Shadow Tree 3D Tri 7'-6" - 8'-0" (GameTime 91051).....	5,167.57	707.35
11 68 13 00-2738	EA		6'-0" Hillside Dueling Wave Zip Slide (GameTime 91077).....	4,423.04	605.72
11 68 13 00-2739	EA		Enclosure With Thunderring (3D) Above Deck (GameTime 91088) .....	1,235.53	169.25
11 68 13 00-2740	EA		Coral Climber (3D) 5'-0" (GameTime 91107).....	1,298.22	177.53
11 68 13 00-2741	EA		90 Degree Play Port Bridge (GameTime 91120) .....	5,854.08	801.64
11 68 13 00-2742	EA		90 Degree Play Port Bridge (GameTime 91120).....	5,854.08	801.64
11 68 13 00-2743	EA		Funnel Crows Nest Telescope Bar (GameTime 91136).....	2,241.53	306.77
11 68 13 00-2744	EA		Entryway - 3D (GameTime 91137) .....	775.48	106.24
11 68 13 00-2745	EA		Entryway - Barrier (GameTime 91139).....	575.29	78.64
11 68 13 00-2746	EA		Entryway - Guardrail (GameTime 91146).....	416.55	57.03
11 68 13 00-2747	EA		Entryway - Timbers (GameTime 91150).....	783.58	107.16
11 68 13 00-2748	EA		Climber Entryway - Timbers (GameTime 91151).....	691.57	94.75
11 68 13 00-2749	EA		Archway - Timbers (GameTime 91154).....	721.90	98.88
11 68 13 00-2750	EA		Archway With Socket - Timbers (GameTime 91157).....	789.64	108.08
11 68 13 00-2751	EA		Climber Offset Archway - Timbers (GameTime 91163).....	668.31	91.52
11 68 13 00-2752	EA		4' Plank Climber - Timbers (GameTime 91181).....	612.70	83.70
11 68 13 00-2753	EA		8' Plank Climber - Timbers (GameTime 91185).....	1,032.30	141.20
11 68 13 00-2754	EA		2' Transfer System - Timbers (GameTime 91201).....	2,631.81	360.12
11 68 13 00-2755	EA		Mini Arch Bridge - Timbers (GameTime 91207) .....	3,118.13	426.81
11 68 13 00-2756	EA		Climber Entryway - Guardrail (GameTime 91208).....	434.76	59.33
11 68 13 00-2757	EA		Climber Entryway - Barrier (GameTime 91209).....	534.85	73.12
11 68 13 00-2758	EA		Climber Entryway - 3D (GameTime 91210).....	729.99	99.81
11 68 13 00-2759	EA		Gable Roof - Timbers (GameTime 91212).....	3,306.19	452.56
11 68 13 00-2760	EA		72" Slant Hex Roof Extension - Timbers (GameTime 91218).....	379.14	51.97
11 68 13 00-2761	EA		Slant Hex Roof - Timbers (GameTime 91219).....	6,293.90	861.43
11 68 13 00-2762	EA		5'0" - 5'6" Lily Pad Spiral Climber (GameTime 91251) .....	1,238.56	169.71
11 68 13 00-2763	EA		Three Stump Climber (GameTime 91284).....	4,729.24	647.57
11 68 13 00-2764	EA		Notched Log Climber (GameTime 91285).....	5,277.93	722.53
11 68 13 00-2765	EA		4' 3D Transfer For GFRC (GameTime 91305).....	3,090.84	423.12
11 68 13 00-2766	EA		3' Timbers Transfer For GFRC (GameTime 91307).....	2,464.99	337.58
11 68 13 00-2767	EA		Shadow Play Tree Single 0'6" - 7'0" (GameTime 91310).....	1,953.38	267.21
11 68 13 00-2768	EA		Shadow Play Tree Tri 0'6" - 7'0" (GameTime 91311).....	5,851.05	801.19
11 68 13 00-2769	EA		Shadow Play Tree Quad 0'6" - 7'0" (GameTime 91312).....	7,799.38	1,067.94
11 68 13 00-2770	EA		Shadow Play Tree Pentagon 0'6" - 7'0" (GameTime 91313).....	9,742.65	1,333.77
11 68 13 00-2771	EA		Shadow Play Tree Hex 0'6" - 7'0" (GameTime 91314).....	11,696.03	1,601.45
11 68 13 00-2772	EA		Shadow Play Tree Single 7'6" And 8'0" (GameTime 91315).....	1,986.74	271.81
11 68 13 00-2773	EA		Shadow Play Tree Tri 7'-6" And 8'-0" (GameTime 91316).....	5,949.12	814.52
11 68 13 00-2774	EA		Shadow Play Tree Quad 7'-6" And 8'-0" (GameTime 91317).....	7,930.82	1,085.87
11 68 13 00-2775	EA		Shadow Play Tree Pentagon 7'-6" And 8'-0" (GameTime 91318).....	9,905.43	1,356.31
11 68 13 00-2776	EA		Shadow Play Tree Hex 7'-6" And 8'-0" (GameTime 91319).....	11,892.18	1,628.12
11 68 13 00-2777	EA		Stump Platform (GameTime 91320).....	4,970.41	680.68
11 68 13 00-2778	EA		Erratic Climber With Hex Net 4'-5" (GameTime 91324).....	1,620.74	221.69
11 68 13 00-2779	EA		Erratic Climber With Hex Net 7'-8" (GameTime 91326).....	2,228.39	304.93
11 68 13 00-2780	EA		Big Stump Climber (GameTime 91327).....	13,475.51	1,844.74
11 68 13 00-2781	EA		Timbers Enclosure With Thunderring (Above) (GameTime 91340).....	1,188.01	162.81
11 68 13 00-2782	EA		Aerosol Paint 4.5 Oz. (GameTime 139361).....	17.19	2.30
11 68 13 00-2783	EA		Pin-In Tool Kit(Torx Bit) (GameTime 158279).....	73.81	10.12
11 68 13 00-2784	EA		2-5 Age Appropriate Sticker (GameTime 168284).....	3.37	0.46
11 68 13 00-2785	EA		5-12 Age Appropriate Sticker (GameTime 168285).....	3.99	0.46
11 68 13 00-2786	EA		2/5-5/12 Age Appropriate (GameTime 169163).....	3.99	0.46
11 68 13 00-2787	EA		ASTM Warning Label (GameTime 169164).....	3.14	0.46
11 68 13 00-2788	EA		Owner's Kit (GameTime 178749).....	69.18	9.66
11 68 13 00-2789	EA		Hybrid Tool Kit Pt (GameTime 200830).....	79.88	11.04
11 68 13 00-2790	EA		Tool Kit (Torx Bit) (GameTime 205282).....	60.54	8.28
11 68 13 00-2791	EA		Hybrid Tool Kit Ps 2012 (GameTime 205283).....	80.89	11.04
11 68 13 00-2792	EA		3-1/2"Aluminum Pipe With 7' Cap (GameTime 1R27FU) .....	231.53	31.73
11 68 13 00-2793	EA		Flower With Yellow Petals Label (GameTime 38220L).....	592.76	80.94
11 68 13 00-2794	EA		5" Aluminum Pipe With 6' Aluminum Cap (GameTime DH1305).....	269.96	36.79
11 68 13 00-2795	EA		3-1/2" Antiwrap Enclosed Tot-Stainless (GameTime SS5017).....	694.26	95.21
11 68 13 00-2796	EA		3-1/2" Antiwrap Belt Seat-Stainless (GameTime SS5020).....	643.93	88.30

11 68 23 Exterior Court Athletic Equipment (11 68)

**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment And Structures**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**11 68 23 13 Exterior Basketball Equipment** (11 68 23)**11 68 23 13-0001 Basketball Components** (11 68 23 13)

11 68 23 13-0002	EA	Anti-Whip, Nylon Cord Basketball Net (Porter Athletic 09608-120) .....	20.15	3.93
11 68 23 13-0003	EA	Chain Basketball Net (Porter Athletic 00161-000).....	37.34	3.93
11 68 23 13-0004	EA	Heavy Duty Goal Ring (Porter Athletic 00235-000).....	95.19	19.65
11 68 23 13-0005	EA	Goal Ring For Steel Net (Porter Athletic 00251-H00) .....	193.44	8.85
11 68 23 13-0006	EA	42" x 72" Rectangular Fully Tempered Glass Basketball Backboard With Steel Frame (Porter Athletic 00204-000) .....	857.92	16.71
		Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0007	EA	42" x 72" Rectangular 11 Gauge Perforated Steel Basketball Backboard (Porter Athletic 01207-300) .....	916.90	16.71
		Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0008	EA	54" x 39" Fan Shaped Cast Aluminum Basketball Backboard (Porter Athletic 00234-300) .....	653.46	14.74
		Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0009	EA	54" x 39" Fan Shaped Fiberglass Basketball Backboard (Porter Athletic 00267-000) .....	488.32	14.74
		Note: Includes perimeter and target markings. Excludes pole and goal.		

**11 68 23 13-0010 Basketball Systems** (11 68 23 13)

See CSI section 32 31 13 13-0001 for auguring holes and concrete.

11 68 23 13-0011	EA	4-1/2" Bent Post Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Steel Net Basketball System (Sportsplay 541-616).....	1,229.77	114.14
11 68 23 13-0012	EA	5-9/16" Bent Post Galvanized Steel Pole With 6' Extension Style, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00176-230).....	2,496.25	125.56
		<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-133.00	
		<i>For 42" x 72" Perforated Steel Backboard, Add</i>	350.00	
11 68 23 13-0013	EA	4-1/2" Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00164-230) .....	1,727.47	114.14
		<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-133.00	
		<i>For 42" x 72" Perforated Steel Backboard, Add</i>	350.00	
11 68 23 13-0014	EA	5-9/16" Galvanized Steel Pole With 6' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00166-230) .....	2,173.05	125.56
		<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-133.00	
		<i>For 42" x 72" Perforated Steel Backboard, Add</i>	350.00	
11 68 23 13-0015	EA	Back To Back 4-1/2" Galvanized Steel Pole With 4' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System (Porter Athletic 00184-230) .....	2,751.25	167.86
		<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-498.00	
		<i>For 42" x 72" Perforated Steel Backboard, Add</i>	700.00	
11 68 23 13-0016	EA	Back To Back 5-9/16" Galvanized Steel Pole With 6' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System (Porter Athletic 00186-230) .....	3,660.93	184.65
		<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-498.00	
		<i>For 42" x 72" Perforated Steel Backboard, Add</i>	700.00	

**11 68 23 33 Tennis Equipment** (11 68 23)**11 68 23 33-0001 Tennis Court Net Posts** (11 68 23 33)

11 68 23 33-0002	PR	Round, Powder Coated Steel, Tennis Court Net Posts With External Winder .....	540.29	66.80
11 68 23 33-0003	PR	Round, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder .....	713.70	66.80
11 68 23 33-0004	PR	Square, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder .....	742.60	66.80
11 68 23 33-0005	PR	Round, Powder Coated Aluminum, Tennis Court Net Posts With External Winder .....	792.58	66.80
11 68 23 33-0006	PR	Round, Powder Coated Aluminum, Tennis Court Net Posts With Internal Winder .....	970.53	66.80
11 68 23 33-0007	PR	Polyvinyl Chloride (PVC) Ground Sleeves For Tennis Court Net Posts.....	134.95	
11 68 23 33-0008	PR	Galvanized Steel Ground Sleeves For Tennis Court Net Posts .....	156.55	

**11 68 23 33-0009 Tennis Court Nets** (11 68 23 33)

11 68 23 33-0010	EA	42' Length, Single Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net.....	312.65	66.02
11 68 23 33-0011	EA	42' Length, Double Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net .....	347.14	66.02
11 68 23 33-0012	EA	42' Length, Anti-Vandal, Aluminum Coated Flexible Steel Mesh, Tennis Court Net .....	774.82	101.58
11 68 23 33-0013	EA	Galvanized Steel Anchor For Tennis Court Net Center Strap.....	39.28	

**11 68 33 Athletic Field Equipment** (11 68)**11 68 33 13 Football Field Equipment** (11 68 33)**11 68 33 13-0001 Football Goal Posts** (11 68 33 13)

Note: Includes augering for post(s), set in concrete and backfill.

11 68 33 13-0002	PR	Double Steel Football Goal Posts, "H Shape".....	2,734.74	176.86
11 68 33 13-0003	PR	Vertical Style Goal Post, Single In Ground Mounting, Steel With 20' Uprights.....	3,789.35	229.99
11 68 33 13-0004	PR	Gooseneck (Offset) Style Goal Post, Single In Ground Mounting, Steel, With 20' Uprights.....	4,522.54	275.99

**11 68 33 23 Soccer And Field Hockey Equipment** (11 68 33)**11 68 33 23-0001 Soccer Goal Posts** (11 68 33 23)

Note: Includes augering for post(s), set in concrete and backfill.

11 68 33 23-0002	PR	Regulation Soccer Goal Posts .....	2,570.83	117.89
11 68 33 23-0003	PR	Combination Football/Soccer Goal Post .....	3,077.39	176.86

**11 68 33 33 Baseball Field Equipment** (11 68 33)



<b>Equipment</b>	<b>11</b>	
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>	<b>11</b>
<b>Play Field Equipment And Structures</b>	<b>11 68</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 68 33 33-0001	Bases <sup>(11 68 33 33)</sup>	
11 68 33 33-0002	SET Bases For Baseball Or Softball.....	327.68

## 11 70 Healthcare Equipment <sup>(11)</sup>

### 11 73 Patient Care Equipment <sup>(11 70)</sup>

#### 11 73 23 Patient Lift <sup>(11 73)</sup>

##### 11 73 23 00-0001 Ceiling Patient Lift <sup>(11 73 23)</sup>

11 73 23 00-0002	EA Maxi Sky 600 Fixed 4 Function Ceiling Patient Lift.....	7,819.66
	Note: Maxi Sky 600 cassette with 600 pound weight capacity. Includes 2 point hanger bar, hardware (x-y 3 meter x 4.5 meter 8 anchors xy 4.5), powered raise and lower as well as powered traverse on track. Maxi sky supports clinically activated return to charge, programmable automatic return.	

## 11 80 Facility Maintenance and Operation Equipment <sup>(11)</sup>

### 11 81 Maintenance Equipment <sup>(11 80)</sup>

#### 11 81 29 Facility Fall Protection <sup>(11 81)</sup>

##### 11 81 29 00-0001 Safety And Tie-Back Anchors <sup>(11 81 29)</sup>

Note: One cut sheet charge required per manufacturer order. Excludes flashing and testing by engineer after installation. See CSI section 01 22 20 00-0049 for engineering testing and inspection.

##### 11 81 29 00-0002 Roof Mounted, Safety And Tie-Back Anchors <sup>(11 81 29 00-0001)</sup>

Note: Includes up to 10" high, 0.216" thick hollow structural section tube, 1018 steel forged pad eye, 8" x 8" x 1/2" base plate and hot-dipped galvanized finish.

11 81 29 00-0003	EA Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	390.01	29.47
	Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.		

For Stainless Steel Pad Eye, Add

40.00

For Foam Insulation Filled HSS Tube, Add

10.00

11 81 29 00-0004	EA Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	326.14	29.47
	Note: Includes drilling in concrete and adhesive anchor systems.		

For Stainless Steel Pad Eye, Add

40.00

For Foam Insulation Filled HSS Tube, Add

10.00

11 81 29 00-0005	EA Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	281.04	48.40
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For Stainless Steel Pad Eye, Add

40.00

For Foam Insulation Filled HSS Tube, Add

10.00

##### 11 81 29 00-0006 Wall Mounted, Safety And Tie-Back Anchor <sup>(11 81 29 00-0001)</sup>

Note: Includes 1018 steel forged pad eye, 10" x 4" x 1/2" base plate and hot-dipped galvanized finish.

11 81 29 00-0007	EA Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	272.66	29.47
	Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.		

For Stainless Steel Pad Eye, Add

40.00

11 81 29 00-0008	EA Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	241.54	29.47
	Note: Includes drilling in concrete and adhesive anchor systems.		

For Stainless Steel Pad Eye, Add

40.00

11 81 29 00-0009	EA Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	246.92	48.40
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For Stainless Steel Pad Eye, Add

40.00

##### 11 81 29 00-0010 Safety And Tie-Back Anchor Accessories <sup>(11 81 29 00-0001)</sup>

11 81 29 00-0011	EA Mandatory Cut Sheets For Safety And Tie-Back Anchors (Summit Anchor).....	248.12	
	Note: One cut sheet required per order.		

## 11 82 Facility Solid Waste Handling Equipment <sup>(11 80)</sup>

### 11 82 19 Packaged Incinerators <sup>(11 82)</sup>

#### 11 82 19 00-0001 Electric Incinerator <sup>(11 82 19)</sup>

11 82 19 00-0002	EA Electric Package Incinerator, 100 LB/Hour.....	23,276.25	473.27
11 82 19 00-0003	EA Electric Package Incinerator, 400 LB/Hour.....	47,641.62	946.54
11 82 19 00-0004	EA Electric Package Incinerator, 1,000 LB/Hour.....	162,316.20	1,419.82

#### 11 82 19 00-0005 Medical Waste Incinerator <sup>(11 82 19)</sup>

11 82 19 00-0006	EA Medical Waste Incinerator, 25 LB/Hour Size 2'-7" x 4'-0".....	12,285.16	946.54
11 82 19 00-0007	EA Medical Waste Incinerator, 50 LB/Hour Size 2'-11" x 4'-11".....	24,134.65	946.54
11 82 19 00-0008	EA Medical Waste Incinerator, 75 LB/Hour Size 3'-8" x 5'-0".....	32,299.29	1,893.09



<b>11</b>	<b>11 Equipment</b>
	<b>11 80 Facility Maintenance and Operation Equipment</b>
	<b>11 82 Facility Solid Waste Handling Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 82 19 00-0009 EA Medium Waste Incinerator, 100 LB/Hour Size 3'-8" x 6'-0" .....	47,857.77	1,893.09
<b>11 82 26 Facility Waste Compactors <sup>(11 82)</sup></b>		
<b>11 82 26 00-0001 110 Volt Compactors <sup>(11 82 26)</sup></b>		
11 82 26 00-0002 EA Waste Compactor, 110 Volt At 75 LB/Hour.....	12,552.15	194.82
11 82 26 00-0003 EA Waste Compactor, 110 Volt At 250 LB/Hour.....	15,463.98	467.56
<b>11 82 26 00-0004 230 Volt Compactors <sup>(11 82 26)</sup></b>		
11 82 26 00-0005 EA Waste Compactor, 230 Volt At 600 LB/Hour Hand Fed .....	15,157.17	623.42
11 82 26 00-0006 EA Waste Compactor, 230 Volt At 600 LB/Hour Chute Fed .....	16,883.59	818.24
<b>11 90 Other Equipment <sup>(11)</sup></b>		
<b>11 97 Security Equipment <sup>(11 90)</sup></b>		
<b>11 97 26 Detention Gun Lockers <sup>(11 97)</sup></b>		
<b>11 97 26 00-0001 Hinged Door Gun Lock <sup>(11 97 26)</sup></b> Note: Two keys per locker with one master.		
11 97 26 00-0002 EA 8 Compartment Pistol Locker, 20-1/8" High x 15-1/8" Wide x 17-1/4" Deep, Double Welded 20 Gauge Steel Body, 10 Gauge Steel Door .....	1,458.26	24.92
<b>11 97 26 00-0003 Hinged-Door Gun Locker <sup>(11 97 26)</sup></b> Note: Includes master key for each set of 4 compartments, two keys per compartment.		
11 97 26 00-0004 EA 4 Compartment Pistol Locker, 11-1/4" High x 16-1/4" Wide x 16-3/4" Deep, 16 Gauge, Foam Filled, Painted With Powder Coat Finish .....	568.69	17.44
11 97 26 00-0005 EA 8 Compartment Pistol Locker, 11-1/2" High x 32-3/4" Wide x 17-1/4" Deep, 16 Gauge, Foam Filled, Painted With Powder Coat Finish .....	1,295.78	24.92
11 97 26 00-0006 EA 16 Compartment Pistol Locker, 11-1/2" High x 32-3/4" Wide x 17-1/4" Deep, 16 Gauge, Foam Filled, Painted With Powder Coat Finish .....	2,373.72	29.91
11 97 26 00-0007 EA 24 Compartment Pistol Locker, 11-1/2" High x 32-3/4" Wide x 17-1/4" Deep, 16 Gauge, Foam Filled, Painted With Powder Coat Finish .....	3,441.67	29.91
<b>11 98 Detention Equipment <sup>(11 90)</sup></b>		
<b>11 98 12 Detention Doors and Frames <sup>(11 98)</sup></b>		
<b>11 98 12 00-0001 Security Doors And Frame Assembly <sup>(11 98 12)</sup></b>		
11 98 12 00-0002 EA 2'-6" x 6'-8", 7 Gauge Flat Door With 7 Gauge Reinforcement Plate, Security Detention Doors And Frames .....	9,363.51	266.40
Note: Complete, with hardware, single plate.		
For 5" x 15-1/2" Opening Food Pass Assembly, Add	105.00	
11 98 12 00-0003 EA 2'-6" x 6'-8", 7 Gauge Flat Door With Double 7 Gauge Reinforcement Plate, Security Detention Doors And Frames .....	11,437.89	264.69
Note: Complete, with hardware, double plate.		
For 5" x 15-1/2" Opening Food Pass Assembly, Add	105.00	
<b>11 98 12 00-0004 Metal Frames <sup>(11 98 12)</sup></b> Note: Combination buck, jamb, and trim, fully seam welded.		
<b>11 98 12 00-0005 Metal Frames 4-3/4" Depth x 7 Gauge x 1-3/4" <sup>(11 98 12 00-0004)</sup></b>		
11 98 12 00-0006 EA 2' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	277.01	61.38
11 98 12 00-0007 EA 2'-4" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	277.01	61.38
11 98 12 00-0008 EA 2'-6" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	277.01	61.38
11 98 12 00-0009 EA 2'-8" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	277.01	61.38
11 98 12 00-0010 EA 3' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	280.04	61.38
11 98 12 00-0011 EA 3'-4" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	280.04	61.38
11 98 12 00-0012 EA 6' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	383.96	98.24
11 98 12 00-0013 EA 2' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	286.08	61.38
11 98 12 00-0014 EA 2'-6" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	286.08	61.38
11 98 12 00-0015 EA 2'-6" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	286.08	61.38
11 98 12 00-0016 EA 2'-8" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	295.16	61.38
11 98 12 00-0017 EA 3' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	336.09	81.85
11 98 12 00-0018 EA 3'-4" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	336.09	81.85
11 98 12 00-0019 EA 6' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	402.10	98.24
11 98 12 00-0020 EA 2' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	286.08	61.38
11 98 12 00-0021 EA 2'-4" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	286.08	61.38
11 98 12 00-0022 EA 2'-6" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	286.08	61.38
11 98 12 00-0023 EA 2'-8" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	286.08	61.38
11 98 12 00-0024 EA 3' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	289.11	61.38
11 98 12 00-0025 EA 3'-4" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	289.11	61.38
11 98 12 00-0026 EA 6' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	393.03	98.24
<b>11 98 12 00-0027 Metal Frames 6-3/4" Depth x 7 Gauge x 1-3/4" <sup>(11 98 12 00-0004)</sup></b>		
11 98 12 00-0028 EA 2' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	286.08	61.38



	<b>Equipment</b>	<b>11</b>	
	<b>Other Equipment</b>	<b>11 90</b>	<b>11</b>
	<b>Detention Equipment</b>	<b>11 98</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 98 12 00-0029 EA 2'-4" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	286.08	61.38
11 98 12 00-0030 EA 2'-6" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	286.08	61.38
11 98 12 00-0031 EA 2'-8" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	286.08	61.38
11 98 12 00-0032 EA 3' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	292.13	61.38
11 98 12 00-0033 EA 3'-4" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	292.13	61.38
11 98 12 00-0034 EA 6' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	393.02	98.24
11 98 12 00-0035 EA 2' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	286.08	61.38
11 98 12 00-0036 EA 2'-4" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	286.08	61.38
11 98 12 00-0037 EA 2'-6" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	295.15	61.38
11 98 12 00-0038 EA 2'-8" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	295.15	61.38
11 98 12 00-0039 EA 3' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	336.08	81.85
11 98 12 00-0040 EA 3'-4" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	336.08	81.85
11 98 12 00-0041 EA 6' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	488.85	109.09
11 98 12 00-0042 EA 2' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	295.15	61.38
11 98 12 00-0043 EA 2'-4" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	295.15	61.38
11 98 12 00-0044 EA 2'-6" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	295.15	61.38
11 98 12 00-0045 EA 2'-8" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	295.15	61.38
11 98 12 00-0046 EA 3' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	298.17	61.38
11 98 12 00-0047 EA 3'-4" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	298.17	61.38
11 98 12 00-0048 EA 6' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door .....	402.09	98.24

**11 98 12 00-0049 Metal Detention Doors** (11 98 12)  
 Note: Flush type reinforced with stiffeners.

**11 98 12 00-0050 10 Gauge 1-3/4" Metal Detention Door** (11 98 12 00-0049)

11 98 12 00-0051 EA 2' x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door .....	526.00	21.81
11 98 12 00-0052 EA 2'-4" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door .....	532.90	21.81
11 98 12 00-0053 EA 2'-6" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door .....	539.78	21.81
11 98 12 00-0054 EA 2'-8" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door .....	546.68	21.81
11 98 12 00-0055 EA 3' x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door .....	553.56	21.81
11 98 12 00-0056 EA 3'-4" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door .....	588.02	21.81
11 98 12 00-0057 EA 2' x 7' x 1-3/4" 10 Gauge Metal Detention Door .....	568.86	21.81
11 98 12 00-0058 EA 2'-4" x 7' x 1-3/4" 10 Gauge Metal Detention Door .....	576.02	21.81
11 98 12 00-0059 EA 2'-6" x 7' x 1-3/4" 10 Gauge Metal Detention Door .....	580.53	21.81
11 98 12 00-0060 EA 2'-8" x 7' x 1-3/4" 10 Gauge Metal Detention Door .....	643.28	21.81
11 98 12 00-0061 EA 3' x 7' x 1-3/4" 10 Gauge Metal Detention Door .....	794.74	21.81
11 98 12 00-0062 EA 3'-4" x 7' x 1-3/4" 10 Gauge Metal Detention Door .....	872.65	21.81
11 98 12 00-0063 EA 2' x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door .....	550.12	21.81
11 98 12 00-0064 EA 2'-4" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door .....	557.01	21.81
11 98 12 00-0065 EA 2'-6" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door .....	563.90	21.81
11 98 12 00-0066 EA 2'-8" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door .....	570.79	21.81
11 98 12 00-0067 EA 3' x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door .....	577.68	21.81
11 98 12 00-0068 EA 3'-4" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door .....	612.13	21.81

**11 98 12 00-0069 Pneumatic Door Operators** (11 98 12)

11 98 12 00-0070 EA Pneumatic Detention Cell Entry Door Operator With Hardware Set .....	3,911.43
11 98 12 00-0071 EA Pneumatic Special Housing Detention Cell Door Operator With Hardware Set .....	4,391.62
11 98 12 00-0072 EA Pneumatic MS Detention Cell Door Operator With Hardware Set .....	5,843.12
11 98 12 00-0073 EA Pneumatic Sally Port Detention Door Operator With Hardware Set .....	6,821.59
11 98 12 00-0074 EA Pneumatic Corridor Detention Door Operator With Hardware Set .....	8,853.86
11 98 12 00-0075 EA Emergency Release Cabinet With Seven Gallon Storage Tank, Check Valve, Pressure Gauge, Three Way Valves And Four Release Valves .....	4,224.92

**11 98 21 Detention Windows** (11 98)

**11 98 21 00-0001 Visitor Cubicle** (11 98 21)

Note: Excludes glazing.

11 98 21 00-0002 EA Detention Visitor Cubicle, Vision Panel, No Intercom .....	6,927.89	529.44
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**END OF SECTION 11**

11	<b>11</b>	<b>Equipment</b>
	11 90	Other Equipment
	11 98	Detention Equipment




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MINOR				
CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST

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<b>Furnishings</b>	<b>12</b>	<b>12</b>
Operation And Maintenance Of Furnishings	12 01	
Operation And Maintenance Of Multiple Seating	12 01 60	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 12 Furnishings

### 12 01 Operation And Maintenance Of Furnishings <sup>(12)</sup>

#### 12 01 60 Operation And Maintenance Of Multiple Seating <sup>(12 01)</sup>

12 01 60 00-0001	Repair Fixed Auditorium Seating <sup>(12 01 60)</sup>		
12 01 60 00-0002	EA Replace Hardwood/Plywood Auditorium Seat Part.....	100.09	
12 01 60 00-0003	EA Replace Auditorium Seat Armrest Part.....	43.81	
12 01 60 00-0004	EA Replace Auditorium Seat Kick Plate Part.....	79.70	
12 01 60 00-0005	EA Replace Auditorium Seat Long Back Part.....	124.67	
12 01 60 00-0006	EA Replace Auditorium Seat Short Back Part.....	118.19	
12 01 60 00-0007	EA Replace Auditorium Seat Bracket Part.....	32.36	
12 01 60 00-0008	EA Replace Auditorium Seat Back Bracket Part.....	28.82	
12 01 60 00-0009	EA Replace Auditorium Seat Lift Mechanism.....	31.71	
12 01 60 00-0010	EA Replace Auditorium Seat Aisle Panel.....	108.40	
	Note: Excludes standard.		
12 01 60 00-0011	EA Replace Auditorium Seat Center Standard Part.....	89.49	
12 01 60 00-0012	EA Replace Auditorium Seat Aisle Standard Part.....	115.36	
12 01 60 00-0013	EA Add Or Replace Auditorium Seat Number/Letter Plate.....	4.49	
12 01 60 00-0014	EA Removal And Reinstallation Of Existing Auditorium Seat In Concrete Floor.....	27.81	
	Note: Includes drilling and fasteners.		
	<i>For Epoxy Anchoring, Add</i>	11.95	
12 01 60 00-0015	EA Remove And Reinstall Existing Auditorium Seat In Wood Floor.....	13.30	
12 01 60 00-0016	EA Refinish Auditorium Seat (Seat, Back And Armrest) With Two Coats.....	22.18	
12 01 60 00-0017	Repairs Associated With Fixed Auditorium Seating <sup>(12 01 60)</sup>		
12 01 60 00-0018	EA Patch Existing Holes (Per Auditorium Seat).....	0.51	
12 01 60 00-0019	SF Paint Floors, 1 Coat Paint, Brush/Roller Work.....	0.39	

### 12 20 Window Treatments <sup>(12)</sup>

#### 12 21 Window Blinds <sup>(12 20)</sup>

##### 12 21 13 Horizontal Louver Blinds <sup>(12 21)</sup>

Note: Includes headrail, brackets, cords and all hardware.

##### 12 21 13 13 Metal Horizontal Louver Blinds <sup>(12 21 13)</sup>

##### 12 21 13 13-0001 Aluminum Horizontal Louver Blinds <sup>(12 21 13 13)</sup>

12 21 13 13-0002	SF 1/2" x 0.006" Slats, Aluminum Horizontal Louver Blinds.....	8.77	0.37
12 21 13 13-0003	SF 1" x 0.006" Slats, Aluminum Horizontal Louver Blinds.....	7.03	0.37
12 21 13 13-0004	SF 1" x 0.008" Slats, Aluminum Horizontal Louver Blinds.....	7.70	0.37
12 21 13 13-0005	SF 2" x 0.008" Slats, Aluminum Horizontal Louver Blinds.....	9.03	0.37

##### 12 21 13 33 Plastic Horizontal Louver Blinds <sup>(12 21 13)</sup>

##### 12 21 13 33-0001 Vinyl Horizontal Louver Blinds <sup>(12 21 13 33)</sup>

12 21 13 33-0002	SF 1" Slats, Vinyl Horizontal Louver Blinds.....	7.30	0.37
12 21 13 33-0003	SF 2" Slats, Vinyl Horizontal Louver Blinds.....	8.57	0.37

##### 12 21 16 Vertical Louver Blinds <sup>(12 21)</sup>

Note: Includes headrail, brackets, cords and all hardware.

##### 12 21 16 13 Metal Vertical Louver Blinds <sup>(12 21 16)</sup>

##### 12 21 16 13-0001 Aluminum Vertical Louver Blinds <sup>(12 21 16 13)</sup>

12 21 16 13-0002	SF 3-1/2" x 0.008" Slats, Aluminum Vertical Louver Blinds.....	9.43	0.78
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##### 12 21 16 33 Plastic Vertical Louver Blinds <sup>(12 21 16)</sup>

##### 12 21 16 33-0001 Vinyl Vertical Louver Blinds <sup>(12 21 16 33)</sup>

12 21 16 33-0002	SF 2" Slats, Vinyl Vertical Louver Blinds.....	5.48	0.78
12 21 16 33-0003	SF 3-1/2" Slats, Vinyl Vertical Louver Blinds.....	8.36	0.78

### 12 22 Curtains And Drapes <sup>(12 20)</sup>

#### 12 22 13 Draperies <sup>(12 22)</sup>

##### 12 22 13 00-0001 Lined Draperies <sup>(12 22 13)</sup>

Note: Width dimensions are the panel width at top excluding returns and overlaps.

##### 12 22 13 00-0002 Up To 48" Wide Lined Draperies <sup>(12 22 13 00-0001)</sup>

12 22 13 00-0003	EA Up To 39" Long, Up To 48" Wide Lined Draperies.....	148.54	4.92
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<b>12</b>	<b>Furnishings</b>
<b>12 20</b>	<b>Window Treatments</b>
<b>12 22</b>	<b>Curtains And Drapes</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 13 00-0004	EA		>39" To 63" Long, Up To 48" Wide Lined Draperies.....	154.77	4.92
12 22 13 00-0005	EA		>63" To 72" Long, Up To 48" Wide Lined Draperies.....	164.90	4.92
12 22 13 00-0006	EA		>72" To 81" Long, Up To 48" Wide Lined Draperies.....	168.80	4.92
12 22 13 00-0007	EA		>81" To 90" Long, Up To 48" Wide Lined Draperies.....	178.15	4.92
12 22 13 00-0008	EA		>90" To 99" Long, Up To 48" Wide Lined Draperies.....	190.62	4.92
12 22 13 00-0009	EA		>99" To 108" Long, Up To 48" Wide Lined Draperies.....	198.41	4.92
12 22 13 00-0010	EA		>108" To 120" Long, Up To 48" Wide Lined Draperies.....	209.32	4.92
12 22 13 00-0011	EA		>120" To 130" Long, Up To 48" Wide Lined Draperies.....	226.47	4.92
<b>12 22 13 00-0012</b>			<b>&gt;48" To 72" Wide Lined Draperies (12 22 13 00-0001)</b>		
12 22 13 00-0013	EA		Up To 39" Long, >48" To 72" Wide Lined Draperies.....	215.98	6.68
12 22 13 00-0014	EA		>39" To 63" Long, >48" To 72" Wide Lined Draperies.....	230.01	6.68
12 22 13 00-0015	EA		>63" To 72" Long, >48" To 72" Wide Lined Draperies.....	240.92	6.68
12 22 13 00-0016	EA		>72" To 81" Long, >48" To 72" Wide Lined Draperies.....	250.27	6.68
12 22 13 00-0017	EA		>81" To 90" Long, >48" To 72" Wide Lined Draperies.....	272.09	6.68
12 22 13 00-0018	EA		>90" To 99" Long, >48" To 72" Wide Lined Draperies.....	283.00	6.68
12 22 13 00-0019	EA		>99" To 108" Long, >48" To 72" Wide Lined Draperies.....	292.35	6.68
12 22 13 00-0020	EA		>108" To 120" Long, >48" To 72" Wide Lined Draperies.....	312.61	6.68
12 22 13 00-0021	EA		>120" To 130" Long, >48" To 72" Wide Lined Draperies.....	334.43	6.68
<b>12 22 13 00-0022</b>			<b>&gt;72" To 96" Wide Lined Draperies (12 22 13 00-0001)</b>		
12 22 13 00-0023	EA		Up To 39" Long, >72" To 96" Wide Lined Draperies.....	286.54	8.44
12 22 13 00-0024	EA		>39" To 63" Long, >72" To 96" Wide Lined Draperies.....	306.80	8.44
12 22 13 00-0025	EA		>63" To 72" Long, >72" To 96" Wide Lined Draperies.....	316.15	8.44
12 22 13 00-0026	EA		>72" To 81" Long, >72" To 96" Wide Lined Draperies.....	337.97	8.44
12 22 13 00-0027	EA		>81" To 90" Long, >72" To 96" Wide Lined Draperies.....	358.24	8.44
12 22 13 00-0028	EA		>90" To 99" Long, >72" To 96" Wide Lined Draperies.....	378.50	8.44
12 22 13 00-0029	EA		>99" To 108" Long, >72" To 96" Wide Lined Draperies.....	389.41	8.44
12 22 13 00-0030	EA		>108" To 120" Long, >72" To 96" Wide Lined Draperies.....	411.23	8.44
12 22 13 00-0031	EA		>120" To 130" Long, >72" To 96" Wide Lined Draperies.....	440.84	8.44
<b>12 22 13 00-0032</b>			<b>&gt;96" To 120" Wide Lined Draperies (12 22 13 00-0001)</b>		
12 22 13 00-0033	EA		Up To 39" Long, >96" To 120" Wide Lined Draperies.....	361.78	10.22
12 22 13 00-0034	EA		>39" To 63" Long, >96" To 120" Wide Lined Draperies.....	382.04	10.22
12 22 13 00-0035	EA		>63" To 72" Long, >96" To 120" Wide Lined Draperies.....	392.95	10.22
12 22 13 00-0036	EA		>72" To 81" Long, >96" To 120" Wide Lined Draperies.....	424.12	10.22
12 22 13 00-0037	EA		>81" To 90" Long, >96" To 120" Wide Lined Draperies.....	444.38	10.22
12 22 13 00-0038	EA		>90" To 99" Long, >96" To 120" Wide Lined Draperies.....	466.20	10.22
12 22 13 00-0039	EA		>99" To 108" Long, >96" To 120" Wide Lined Draperies.....	718.69	10.22
12 22 13 00-0040	EA		>108" To 120" Long, >96" To 120" Wide Lined Draperies.....	519.20	10.22
12 22 13 00-0041	EA		>120" To 130" Long, >96" To 120" Wide Lined Draperies.....	534.78	10.22
<b>12 22 13 00-0042</b>			<b>&gt;120" To 144" Wide Lined Draperies (12 22 13 00-0001)</b>		
12 22 13 00-0043	EA		Up To 39" Long, >120" To 144" Wide Lined Draperies.....	427.65	11.98
12 22 13 00-0044	EA		>39" To 63" Long, >120" To 144" Wide Lined Draperies.....	457.26	11.98
12 22 13 00-0045	EA		>63" To 72" Long, >120" To 144" Wide Lined Draperies.....	468.17	11.98
12 22 13 00-0046	EA		>72" To 81" Long, >120" To 144" Wide Lined Draperies.....	499.35	11.98
12 22 13 00-0047	EA		>81" To 90" Long, >120" To 144" Wide Lined Draperies.....	530.52	11.98
12 22 13 00-0048	EA		>90" To 99" Long, >120" To 144" Wide Lined Draperies.....	561.69	11.98
12 22 13 00-0049	EA		>99" To 108" Long, >120" To 144" Wide Lined Draperies.....	592.86	11.98
12 22 13 00-0050	EA		>108" To 120" Long, >120" To 144" Wide Lined Draperies.....	624.04	11.98
12 22 13 00-0051	EA		>120" To 130" Long, >120" To 144" Wide Lined Draperies.....	663.00	11.98
<b>12 22 13 00-0052</b>			<b>&gt;144" To 168" Wide Lined Draperies (12 22 13 00-0001)</b>		
12 22 13 00-0053	EA		Up To 39" Long, >144" To 168" Wide Lined Draperies.....	502.88	13.76
12 22 13 00-0054	EA		>39" To 63" Long, >144" To 168" Wide Lined Draperies.....	534.05	13.76
12 22 13 00-0055	EA		>63" To 72" Long, >144" To 168" Wide Lined Draperies.....	557.43	13.76
12 22 13 00-0056	EA		>72" To 81" Long, >144" To 168" Wide Lined Draperies.....	588.60	13.76
12 22 13 00-0057	EA		>81" To 90" Long, >144" To 168" Wide Lined Draperies.....	619.77	13.76
12 22 13 00-0058	EA		>90" To 99" Long, >144" To 168" Wide Lined Draperies.....	658.74	13.76
12 22 13 00-0059	EA		>99" To 108" Long, >144" To 168" Wide Lined Draperies.....	689.91	13.76
12 22 13 00-0060	EA		>108" To 120" Long, >144" To 168" Wide Lined Draperies.....	721.08	13.76
12 22 13 00-0061	EA		>120" To 130" Long, >144" To 168" Wide Lined Draperies.....	775.63	13.76
<b>12 22 13 00-0062</b>			<b>&gt;168" To 192" Wide Lined Draperies (12 22 13 00-0001)</b>		
12 22 13 00-0063	EA		Up To 39" Long, >168" To 192" Wide Lined Draperies.....	568.76	15.52
12 22 13 00-0064	EA		>39" To 63" Long, >168" To 192" Wide Lined Draperies.....	607.73	15.52
12 22 13 00-0065	EA		>63" To 72" Long, >168" To 192" Wide Lined Draperies.....	631.11	15.52
12 22 13 00-0066	EA		>72" To 81" Long, >168" To 192" Wide Lined Draperies.....	670.07	15.52
12 22 13 00-0067	EA		>81" To 90" Long, >168" To 192" Wide Lined Draperies.....	701.24	15.52
12 22 13 00-0068	EA		>90" To 99" Long, >168" To 192" Wide Lined Draperies.....	740.21	15.52
12 22 13 00-0069	EA		>99" To 108" Long, >168" To 192" Wide Lined Draperies.....	802.55	15.52
12 22 13 00-0070	EA		>108" To 120" Long, >168" To 192" Wide Lined Draperies.....	825.93	15.52
12 22 13 00-0071	EA		>120" To 130" Long, >168" To 192" Wide Lined Draperies.....	880.48	15.52



<b>Furnishings</b>	<b>12</b>
Window Treatments	12 20
Curtains And Drapes	12 22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>12 22 13 00-0072</b> >192" To 216" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0073 EA Up To 39" Long, >192" To 216" Wide Lined Draperies.....	642.44	17.29
12 22 13 00-0074 EA >39" To 63" Long, >192" To 216" Wide Lined Draperies.....	673.61	17.29
12 22 13 00-0075 EA >63" To 72" Long, >192" To 216" Wide Lined Draperies.....	704.78	17.29
12 22 13 00-0076 EA >72" To 81" Long, >192" To 216" Wide Lined Draperies.....	751.54	17.29
12 22 13 00-0077 EA >81" To 90" Long, >192" To 216" Wide Lined Draperies.....	798.30	17.29
12 22 13 00-0078 EA >90" To 99" Long, >192" To 216" Wide Lined Draperies.....	845.06	17.29
12 22 13 00-0079 EA >99" To 108" Long, >192" To 216" Wide Lined Draperies.....	884.02	17.29
12 22 13 00-0080 EA >108" To 120" Long, >192" To 216" Wide Lined Draperies.....	922.99	17.29
12 22 13 00-0081 EA >120" To 130" Long, >192" To 216" Wide Lined Draperies.....	993.13	17.29
<b>12 22 13 00-0082</b> >216" To 240" Wide Lined Draperies (12 22 13 00-0001)		
12 22 13 00-0083 EA Up To 39" Long, >216" To 240" Wide Lined Draperies.....	708.32	19.06
12 22 13 00-0084 EA >39" To 63" Long, >216" To 240" Wide Lined Draperies.....	762.88	19.06
12 22 13 00-0085 EA >63" To 72" Long, >216" To 240" Wide Lined Draperies.....	786.25	19.06
12 22 13 00-0086 EA >72" To 81" Long, >216" To 240" Wide Lined Draperies.....	833.01	19.06
12 22 13 00-0087 EA >81" To 90" Long, >216" To 240" Wide Lined Draperies.....	887.56	19.06
12 22 13 00-0088 EA >90" To 99" Long, >216" To 240" Wide Lined Draperies.....	934.32	19.06
12 22 13 00-0089 EA >99" To 108" Long, >216" To 240" Wide Lined Draperies.....	981.08	19.06
12 22 13 00-0090 EA >108" To 120" Long, >216" To 240" Wide Lined Draperies.....	1,027.84	19.06
12 22 13 00-0091 EA >120" To 130" Long, >216" To 240" Wide Lined Draperies.....	1,105.77	19.06
<b>12 22 13 00-0092</b> Auditorium Window Curtain (12 22 13)		
<b>12 22 13 00-0093</b> One Panel, Straight Top, Valance, Window Curtain (12 22 13 00-0092)		
12 22 13 00-0094 EA One 6' x 3' Panel, Straight Top, Valance, Window Curtain.....	299.79	7.32
For Curved Proscenium Valance, Add	178.70	
12 22 13 00-0095 EA One 12' x 3' Panel, Straight Top, Valance, Window Curtain.....	381.90	14.58
For Curved Proscenium Valance, Add	178.70	
12 22 13 00-0096 EA One 18' x 3' Panel, Straight Top, Valance, Window Curtain.....	547.83	26.23
For Curved Proscenium Valance, Add	178.70	
12 22 13 00-0097 EA One 28' x 3' Panel, Straight Top, Valance, Window Curtain.....	832.15	40.80
For Curved Proscenium Valance, Add	178.70	
12 22 13 00-0098 EA One 6' x 6' Panel, Straight Top, Valance, Window Curtain.....	404.86	7.32
For Curved Proscenium Valance, Add	178.70	
12 22 13 00-0099 EA One 12' x 6' Panel, Straight Top, Valance, Window Curtain.....	569.53	14.58
For Curved Proscenium Valance, Add	178.70	
12 22 13 00-0100 EA One 18' x 6' Panel, Straight Top, Valance, Window Curtain.....	750.48	26.23
For Curved Proscenium Valance, Add	178.70	
12 22 13 00-0101 EA One 28' x 6' Panel, Straight Top, Valance, Window Curtain.....	1,169.90	40.80
For Curved Proscenium Valance, Add	178.70	
<b>12 22 13 00-0102</b> 6' Wide Opening, Two Panel, Bi-Parting, Window Curtain (12 22 13 00-0092)		
12 22 13 00-0103 PR Two 4' x 8' Panels, 6' Wide Opening, Bi-Parting, Window Curtain.....	722.73	4.86
12 22 13 00-0104 PR Two 4' x 10' Panels, 6' Wide Opening, Bi-Parting, Window Curtain.....	760.26	4.86
12 22 13 00-0105 PR Two 4' x 12' Panels, 6' Wide Opening, Bi-Parting, Window Curtain.....	812.80	4.86
12 22 13 00-0106 PR Two 4' x 14' Panels, 6' Wide Opening, Bi-Parting, Window Curtain.....	887.86	4.86
12 22 13 00-0107 PR Two 4' x 16' Panels, 6' Wide Opening, Bi-Parting, Window Curtain.....	962.91	4.86
12 22 13 00-0108 PR Two 4' x 18' Panels, 6' Wide Opening, Bi-Parting, Window Curtain.....	1,067.99	4.86
12 22 13 00-0109 PR Two 4' x 20' Panels, 6' Wide Opening, Bi-Parting, Window Curtain.....	1,171.56	4.86
<b>12 22 13 00-0110</b> 12' Wide Opening, Two Panel, Bi-Parting, Window Curtain (12 22 13 00-0092)		
12 22 13 00-0111 PR Two 7' x 8' Panels, 12' Wide Opening, Bi-Parting, Window Curtain.....	917.70	8.48
12 22 13 00-0112 PR Two 7' x 10' Panels, 12' Wide Opening, Bi-Parting, Window Curtain.....	992.76	8.48
12 22 13 00-0113 PR Two 7' x 12' Panels, 12' Wide Opening, Bi-Parting, Window Curtain.....	1,067.81	8.48
12 22 13 00-0114 PR Two 7' x 14' Panels, 12' Wide Opening, Bi-Parting, Window Curtain.....	1,157.87	8.48
12 22 13 00-0115 PR Two 7' x 16' Panels, 12' Wide Opening, Bi-Parting, Window Curtain.....	1,277.96	8.48
12 22 13 00-0116 PR Two 7' x 18' Panels, 12' Wide Opening, Bi-Parting, Window Curtain.....	1,398.05	8.48
12 22 13 00-0117 PR Two 7' x 20' Panels, 12' Wide Opening, Bi-Parting, Window Curtain.....	1,525.65	8.48
<b>12 22 13 00-0118</b> 18' Wide Opening, Two Panel, Bi-Parting, Window Curtain (12 22 13 00-0092)		
12 22 13 00-0119 PR Two 10' x 8' Panels, 18' Wide Opening, Bi-Parting, Window Curtain.....	1,217.66	12.17
12 22 13 00-0120 PR Two 10' x 10' Panels, 18' Wide Opening, Bi-Parting, Window Curtain.....	1,345.25	12.17
12 22 13 00-0121 PR Two 10' x 12' Panels, 18' Wide Opening, Bi-Parting, Window Curtain.....	1,502.88	12.17
12 22 13 00-0122 PR Two 10' x 14' Panels, 18' Wide Opening, Bi-Parting, Window Curtain.....	1,652.99	12.17
12 22 13 00-0123 PR Two 10' x 16' Panels, 18' Wide Opening, Bi-Parting, Window Curtain.....	1,825.60	12.17
12 22 13 00-0124 PR Two 10' x 18' Panels, 18' Wide Opening, Bi-Parting, Window Curtain.....	2,145.34	12.17
12 22 13 00-0125 PR Two 10' x 20' Panels, 18' Wide Opening, Bi-Parting, Window Curtain.....	2,328.47	12.17
<b>12 22 13 00-0126</b> 28' Wide Opening, Two Panel, Bi-Parting, Window Curtain (12 22 13 00-0092)		
12 22 13 00-0127 PR Two 15' x 8' Panels, 28' Wide Opening, Bi-Parting, Window Curtain.....	1,972.88	18.20
12 22 13 00-0128 PR Two 15' x 10' Panels, 28' Wide Opening, Bi-Parting, Window Curtain.....	2,270.09	18.20
12 22 13 00-0129 PR Two 15' x 12' Panels, 28' Wide Opening, Bi-Parting, Window Curtain.....	2,531.28	18.20

<b>12</b>	<b>Furnishings</b>
<b>12 20</b>	<b>Window Treatments</b>
<b>12 22</b>	<b>Curtains And Drapes</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 13 00-0130 PR Two 15' x 14' Panels, 28' Wide Opening, Bi-Parting, Window Curtain .....	2,670.89	18.20
12 22 13 00-0131 PR Two 15' x 16' Panels, 28' Wide Opening, Bi-Parting, Window Curtain .....	2,851.02	18.20
12 22 13 00-0132 PR Two 15' x 18' Panels, 28' Wide Opening, Bi-Parting, Window Curtain .....	3,031.15	18.20
12 22 13 00-0133 PR Two 15' x 20' Panels, 28' Wide Opening, Bi-Parting, Window Curtain .....	3,368.89	18.20
<b>12 22 16 Drapery Track And Accessories (12 22)</b>		
<b>12 22 16 00-0001 Metal Wall Or Ceiling Mount Drapery Tracks (12 22 16)</b>		
<b>12 22 16 00-0002 Basic Traverse Rod (12 22 16 00-0001)</b>		
12 22 16 00-0003 EA Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track .....	61.43	17.54
12 22 16 00-0004 EA Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track .....	75.32	17.54
12 22 16 00-0005 EA Traverse Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track .....	91.09	19.50
12 22 16 00-0006 EA Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track .....	134.48	19.50
12 22 16 00-0007 EA Traverse Rod, 165" To 312" Extension Metal Wall Or Ceiling Mounted Track .....	137.64	21.44
<b>12 22 16 00-0008 Traverse Rod With Stationary Curtain Rod (12 22 16 00-0001)</b>		
12 22 16 00-0009 EA Tray And Curtain Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track .....	74.75	17.54
12 22 16 00-0010 EA Tray And Curtain Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track .....	83.72	17.54
12 22 16 00-0011 EA Tray And Curtain Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track .....	112.22	19.50
12 22 16 00-0012 EA Tray And Curtain Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track .....	129.25	21.44
<b>12 22 16 00-0013 Double Traverse Rod (12 22 16 00-0001)</b>		
12 22 16 00-0014 EA Double Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track .....	97.61	17.54
12 22 16 00-0015 EA Double Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track .....	124.82	17.54
12 22 16 00-0016 EA Double Traverse Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track .....	159.84	19.50
12 22 16 00-0017 EA Double Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track .....	171.80	21.44
<b>12 22 16 00-0018 Curtain Rods (12 22 16 00-0001)</b>		
12 22 16 00-0019 LF Standard Metal Curtain Rod, White .....	5.58	0.71
<b>12 22 16 00-0020 Relocate Drapery And Rod (12 22 16 00-0001)</b>		
12 22 16 00-0021 LF Relocate Any Type Of Drapery And Any Type Rod .....	11.69	
Note: Includes storage and cleaning.		
<b>12 22 16 00-0022 Auditorium Window Curtain Hardware (12 22 16)</b>		
<b>12 22 16 00-0023 Auditorium Window Track And Accessories (Kirsch 9070 Series) (12 22 16 00-0022)</b>		
12 22 16 00-0024 EA Up To 3', 9070 Series (Window) CWANA (Comes With All Necessary Accessories) .....	119.66	3.88
12 22 16 00-0025 LF Each Additional Foot, 9070 Series (Window) CWANA (Comes With All Necessary Accessories) .....	32.31	3.88
12 22 16 00-0026 LF Channel (Kirsch 9050) .....	10.55	1.95
12 22 16 00-0027 EA Splice Clamp (Kirsch 9051) .....Set (Kirsch 9052) .....	20.51	4.86
12 22 16 00-0028 EA Live End And Dead End Pulley Set (Kirsch 9052) .....	31.91	3.88
12 22 16 00-0029 EA Master Carrier (Pairs Only) (Kirsch 9055) .....	27.10	2.46
12 22 16 00-0030 EA Single Carrier (Kirsch 9056) .....	5.19	0.97
12 22 16 00-0031 EA Center Stop (Kirsch 9058) .....	6.22	1.95
12 22 16 00-0032 EA Tension Pulley (Kirsch 9059) .....	25.56	3.88
12 22 16 00-0033 EA Hanging Clamp (Kirsch 9063) .....	13.53	4.86
12 22 16 00-0034 EA Wall Bracket (Pair Only) (Kirsch 9064) .....	16.98	3.88
12 22 16 00-0035 LF 3/16" Diameter #6 Sash Cord (Kirsch) .....	1.02	0.19
12 22 16 00-0036 EA Window Sill Check Block .....	15.32	0.97
<b>12 22 16 00-0037 Medium Duty Window Curtain Track And Accessories (ADC 170 Series) (12 22 16 00-0022)</b>		
12 22 16 00-0038 LF Steel 170 Series CWANA (Comes With All Necessary Accessories) .....	36.87	3.88
Note: Excludes pipe backbone.		
12 22 16 00-0039 LF Aluminum 170 Series CWANA (Comes With All Necessary Accessories) .....	38.80	3.88
Note: Excludes pipe backbone.		
12 22 16 00-0040 LF 14 Gauge Galvanized Steel Track Channel (ADC 1700) .....	17.38	1.95
12 22 16 00-0041 LF 12 Gauge Aluminum Track Channel (ADC 1700-A) .....	19.94	1.95
12 22 16 00-0042 EA Single Carrier (ADC 1701) .....	7.46	0.97
12 22 16 00-0043 EA Master Carrier (ADC 1702) .....	26.64	2.46
12 22 16 00-0044 EA Live End Pulley (ADC 1703) .....	63.37	3.88
12 22 16 00-0045 EA Dead End Pulley (ADC 1704) .....	38.55	3.88
12 22 16 00-0046 EA Lap Clamp (ADC 1707) .....	12.07	1.95
12 22 16 00-0047 EA Hanging Clamp (ADC 1708) .....	14.48	4.86
12 22 16 00-0048 EA End Stop (ADC 1709) .....	10.43	1.95
12 22 16 00-0049 EA Pipe Clamp For 1" Inside Diameter, Schedule 40 Pipe Batten (ADC 1713) .....	17.70	4.86
12 22 16 00-0050 EA Pipe Clamp For 1-1/4" Inside Diameter, Schedule 40 Pipe Batten (ADC 1714) .....	18.98	4.86
12 22 16 00-0051 EA Pipe Clamp For 1-1/2" Inside Diameter, Schedule 40 Pipe Batten (ADC 1715) .....	20.11	4.86
12 22 16 00-0052 EA Suspended Splicing Clamp (ADC 1724) .....	83.20	7.32
12 22 16 00-0053 LF 1/4" Diameter #8 Cord (ADC 1728) .....	1.17	0.19
12 22 16 00-0054 EA Overlapping Master Carrier (ADC 2602) .....	75.60	2.46
12 22 16 00-0055 EA Ceiling Splicing Clamp (ADC 2624) .....	94.98	4.86



<b>Furnishings</b>	<b>12</b>	<b>12</b>
Window Treatments	12 20	
Curtains And Drapes	12 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>12 22 16 00-0056</b>	<b>Wood Jamb Strip And Grounds</b> <small>(12 22 16 00-0022)</small>		
	Note: Includes hardware and painting.		
12 22 16 00-0057	LF 1" x 2" Window Curtain Side Wood Jamb Strips.....	3.83	0.51
12 22 16 00-0058	LF 1" x 6" Window Valance Or Track Wood Ground.....	6.55	0.51
12 22 16 00-0059	LF 1" x Required Width Kerfed, Vaulted Window Valance Wood Ground.....	8.20	0.51
<b>12 22 16 00-0060</b>	<b>Auditorium Window Curtain And Hardware Surcharges</b> <small>(12 22 16)</small>		
12 22 16 00-0061	EA Pattern Surcharge (Full Size Paper Template), For Curved Window Valance Or Custom Cut-outs (Decorative Plaster).....	777.14	
	Note: Three quarter (.75) crew day (with two (2) person crew).		
12 22 16 00-0062	EA Over 13' Wide Window Surcharge.....	259.05	
	Note: One quarter (.25) crew day (with two (2) person crew).		

**12 23 Interior Shutters** (12 20)

**12 23 13 Wood Interior Shutters** (12 23)

<b>12 23 13 00-0001</b>	<b>Interior Plantation Shutters</b> <small>(12 23 13)</small>		
	Note: Mixture of white pine and poplar wood, stile: 1-3/4" x 1-1/8" thick, blade: 3/8" x 2-3/8", top and bottom rail: 4" x 1-5/16" thick. 36" To 48" heights do not have center rail, 52" to 80" with center rail. Center rail: 2" x 15/16"		
<b>12 23 13 00-0002</b>	<b>12" Wide</b> <small>(12 23 13 00-0001)</small>		
12 23 13 00-0003	PR 12" x 36" Plantation Shutter.....	90.95	11.98
12 23 13 00-0004	PR 12" x 40" Plantation Shutter.....	101.12	12.57
12 23 13 00-0005	PR 12" x 44" Plantation Shutter.....	110.36	13.17
12 23 13 00-0006	PR 12" x 48" Plantation Shutter.....	119.59	13.77
12 23 13 00-0007	PR 12" x 52" Plantation Shutter.....	128.83	14.37
12 23 13 00-0008	PR 12" x 56" Plantation Shutter.....	138.06	14.96
12 23 13 00-0009	PR 12" x 60" Plantation Shutter.....	138.86	15.56
12 23 13 00-0010	PR 12" x 64" Plantation Shutter.....	156.53	16.16
12 23 13 00-0011	PR 12" x 68" Plantation Shutter.....	165.75	16.76
12 23 13 00-0012	PR 12" x 72" Plantation Shutter.....	175.00	17.36
12 23 13 00-0013	PR 12" x 76" Plantation Shutter.....	184.23	17.95
12 23 13 00-0014	PR 12" x 80" Plantation Shutter.....	193.46	18.55
<b>12 23 13 00-0015</b>	<b>14" Wide</b> <small>(12 23 13 00-0001)</small>		
12 23 13 00-0016	PR 14" x 36" Plantation Shutter.....	94.70	11.98
12 23 13 00-0017	PR 14" x 40" Plantation Shutter.....	104.87	12.57
12 23 13 00-0018	PR 14" x 44" Plantation Shutter.....	114.11	13.17
12 23 13 00-0019	PR 14" x 48" Plantation Shutter.....	123.34	13.77
12 23 13 00-0020	PR 14" x 52" Plantation Shutter.....	133.51	14.37
12 23 13 00-0021	PR 14" x 56" Plantation Shutter.....	142.74	14.96
12 23 13 00-0022	PR 14" x 60" Plantation Shutter.....	151.98	15.56
12 23 13 00-0023	PR 14" x 64" Plantation Shutter.....	162.15	16.16
12 23 13 00-0024	PR 14" x 68" Plantation Shutter.....	171.38	16.76
12 23 13 00-0025	PR 14" x 72" Plantation Shutter.....	180.62	17.36
12 23 13 00-0026	PR 14" x 76" Plantation Shutter.....	190.79	17.95
12 23 13 00-0027	PR 14" x 80" Plantation Shutter.....	200.02	18.55
<b>12 23 13 00-0028</b>	<b>15" Wide</b> <small>(12 23 13 00-0001)</small>		
12 23 13 00-0029	PR 15" x 36" Plantation Shutter.....	98.45	11.98
12 23 13 00-0030	PR 15" x 40" Plantation Shutter.....	108.62	12.57
12 23 13 00-0031	PR 15" x 44" Plantation Shutter.....	117.86	13.17
12 23 13 00-0032	PR 15" x 48" Plantation Shutter.....	127.09	13.77
12 23 13 00-0033	PR 15" x 52" Plantation Shutter.....	137.26	14.37
12 23 13 00-0034	PR 15" x 56" Plantation Shutter.....	147.43	14.96
12 23 13 00-0035	PR 15" x 60" Plantation Shutter.....	157.60	15.56
12 23 13 00-0036	PR 15" x 64" Plantation Shutter.....	167.78	16.16
12 23 13 00-0037	PR 15" x 68" Plantation Shutter.....	177.94	16.76
12 23 13 00-0038	PR 15" x 72" Plantation Shutter.....	187.18	17.36
12 23 13 00-0039	PR 15" x 76" Plantation Shutter.....	197.35	17.95
12 23 13 00-0040	PR 15" x 80" Plantation Shutter.....	207.52	18.55
<b>12 23 13 00-0041</b>	<b>16" Wide</b> <small>(12 23 13 00-0001)</small>		
12 23 13 00-0042	PR 16" x 36" Plantation Shutter.....	104.07	11.98
12 23 13 00-0043	PR 16" x 40" Plantation Shutter.....	115.18	12.57
12 23 13 00-0044	PR 16" x 44" Plantation Shutter.....	125.35	13.17
12 23 13 00-0045	PR 16" x 48" Plantation Shutter.....	136.47	13.77
12 23 13 00-0046	PR 16" x 52" Plantation Shutter.....	146.63	14.37
12 23 13 00-0047	PR 16" x 56" Plantation Shutter.....	156.80	14.96
12 23 13 00-0048	PR 16" x 60" Plantation Shutter.....	166.98	15.56
12 23 13 00-0049	PR 16" x 64" Plantation Shutter.....	179.02	16.16
12 23 13 00-0050	PR 16" x 68" Plantation Shutter.....	189.19	16.76
12 23 13 00-0051	PR 16" x 72" Plantation Shutter.....	199.37	17.36



**12 Furnishings**  
**12 20 Window Treatments**  
 12 23 Interior Shutters



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 23 13 00-0052 PR 16" x 76" Plantation Shutter .....	210.47	17.95
12 23 13 00-0053 PR 16" x 80" Plantation Shutter .....	220.64	18.55
<b>12 23 13 00-0054 18" Wide</b> <small>(12 23 13 00-0001)</small>		
12 23 13 00-0055 PR 18" x 36" Plantation Shutter .....	112.51	11.98
12 23 13 00-0056 PR 18" x 40" Plantation Shutter .....	123.62	12.57
12 23 13 00-0057 PR 18" x 44" Plantation Shutter .....	134.73	13.17
12 23 13 00-0058 PR 18" x 48" Plantation Shutter .....	146.78	13.77
12 23 13 00-0059 PR 18" x 52" Plantation Shutter .....	157.88	14.37
12 23 13 00-0060 PR 18" x 56" Plantation Shutter .....	169.92	14.96
12 23 13 00-0061 PR 18" x 60" Plantation Shutter .....	181.04	15.56
12 23 13 00-0062 PR 18" x 64" Plantation Shutter .....	192.15	16.16
12 23 13 00-0063 PR 18" x 68" Plantation Shutter .....	203.25	16.76
12 23 13 00-0064 PR 18" x 72" Plantation Shutter .....	215.31	17.36
12 23 13 00-0065 PR 18" x 76" Plantation Shutter .....	226.41	17.95
12 23 13 00-0066 PR 18" x 80" Plantation Shutter .....	238.45	18.55
<b>12 23 13 00-0067 20" Wide</b> <small>(12 23 13 00-0001)</small>		
12 23 13 00-0068 PR 20" x 36" Plantation Shutter .....	121.88	11.98
12 23 13 00-0069 PR 20" x 40" Plantation Shutter .....	134.87	12.57
12 23 13 00-0070 PR 20" x 44" Plantation Shutter .....	146.91	13.17
12 23 13 00-0071 PR 20" x 48" Plantation Shutter .....	158.96	13.77
12 23 13 00-0072 PR 20" x 52" Plantation Shutter .....	171.94	14.37
12 23 13 00-0073 PR 20" x 56" Plantation Shutter .....	183.98	14.96
12 23 13 00-0074 PR 20" x 60" Plantation Shutter .....	196.97	15.56
12 23 13 00-0075 PR 20" x 64" Plantation Shutter .....	209.02	16.16
12 23 13 00-0076 PR 20" x 68" Plantation Shutter .....	221.99	16.76
12 23 13 00-0077 PR 20" x 72" Plantation Shutter .....	234.05	17.36
12 23 13 00-0078 PR 20" x 76" Plantation Shutter .....	247.03	17.95
12 23 13 00-0079 PR 20" x 80" Plantation Shutter .....	259.08	18.55
<b>12 23 13 00-0080 22" Wide</b> <small>(12 23 13 00-0001)</small>		
12 23 13 00-0081 PR 22" x 36" Plantation Shutter .....	129.38	11.98
12 23 13 00-0082 PR 22" x 40" Plantation Shutter .....	143.30	12.57
12 23 13 00-0083 PR 22" x 44" Plantation Shutter .....	156.29	13.17
12 23 13 00-0084 PR 22" x 48" Plantation Shutter .....	1,575.29	13.77
12 23 13 00-0085 PR 22" x 52" Plantation Shutter .....	183.18	14.37
12 23 13 00-0086 PR 22" x 56" Plantation Shutter .....	196.17	14.96
12 23 13 00-0087 PR 22" x 60" Plantation Shutter .....	209.16	15.56
12 23 13 00-0088 PR 22" x 64" Plantation Shutter .....	223.08	16.16
12 23 13 00-0089 PR 22" x 68" Plantation Shutter .....	236.05	16.76
12 23 13 00-0090 PR 22" x 72" Plantation Shutter .....	249.99	17.36
12 23 13 00-0091 PR 22" x 76" Plantation Shutter .....	262.96	17.95
12 23 13 00-0092 PR 22" x 80" Plantation Shutter .....	276.89	18.55
<b>12 23 13 00-0093 24" Wide</b> <small>(12 23 13 00-0001)</small>		
12 23 13 00-0094 PR 24" x 36" Plantation Shutter .....	136.88	11.98
12 23 13 00-0095 PR 24" x 40" Plantation Shutter .....	151.74	12.57
12 23 13 00-0096 PR 24" x 44" Plantation Shutter .....	165.66	13.17
12 23 13 00-0097 PR 24" x 48" Plantation Shutter .....	180.52	13.77
12 23 13 00-0098 PR 24" x 52" Plantation Shutter .....	194.43	14.37
12 23 13 00-0099 PR 24" x 56" Plantation Shutter .....	208.36	14.96
12 23 13 00-0100 PR 24" x 60" Plantation Shutter .....	222.28	15.56
12 23 13 00-0101 PR 24" x 64" Plantation Shutter .....	237.14	16.16
12 23 13 00-0102 PR 24" x 68" Plantation Shutter .....	251.05	16.76
12 23 13 00-0103 PR 24" x 72" Plantation Shutter .....	265.92	17.36
12 23 13 00-0104 PR 24" x 76" Plantation Shutter .....	279.83	17.95
12 23 13 00-0105 PR 24" x 80" Plantation Shutter .....	294.69	18.55
<b>12 24 Window Shades</b> <small>(12 20)</small>		
<b>12 24 13 Roller Window Shades</b> <small>(12 24)</small>		
<b>12 24 13 00-0001 Shades</b> <small>(12 24 13)</small>		
<b>12 24 13 00-0002 Vinyl Coated Fiberglass, Roller Window Shades</b> <small>(12 24 13 00-0001)</small>		
Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0003 SF 0% Openness, Blackout, Vinyl Coated Fiberglass, Roller Window Shades .....	11.57	0.23
12 24 13 00-0004 SF 1% To 10% Openness, Vinyl Coated Fiberglass, Roller Window Shades .....	11.57	0.23
<b>12 24 13 00-0005 Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades</b> <small>(12 24 13 00-0001)</small>		
Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0006 SF 0% Openness, Blackout, Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades .....	14.98	0.23



<b>Furnishings</b>	<b>12</b>	<b>12</b>
Window Treatments	12 20	
Window Shades	12 24	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 24 13 00-0007	Vinyl Coated Polyester, Roller Window Shades <small>(12 24 13 00-0001)</small> Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0008	SF 1% To 10% Openness, Vinyl Coated Polyester, Roller Window Shades.....	11.57	0.23
12 24 13 00-0009	Motorized Lightproof Shades <small>(12 24 13)</small>		
12 24 13 00-0010	SF Motorized Lightproof Shades, Up To 144" Width.....	31.85	0.98

**12 30 Casework** (12)

**12 31 Manufactured Metal Casework** (12 30)

**12 31 16 Manufactured Metal Sandwich Panel Casework** (12 31)

12 31 16 00-0001	34-1/2" High x 24" Deep, Stainless Steel Cabinets <small>(12 31 16)</small>		
12 31 16 00-0002	18 Gauge, #4 Finish, 304 Stainless Steel Base Cabinets <small>(12 31 16 00-0001)</small>		
12 31 16 00-0003	18" Stainless Steel Base Cabinet <small>(12 31 16 00-0002)</small>		
12 31 16 00-0004	EA 18" Stainless Steel Base Cabinet, No Doors Or Drawers.....	1,079.58	108.02
	For 16 Gauge Stainless Steel, Add	185.65	
	For >5 To 9, Deduct	-45.33	
	For >9, Deduct	-90.67	
12 31 16 00-0005	EA 18" Stainless Steel Base Cabinet, With 4 Drawers.....	1,812.99	108.02
	For 16 Gauge Stainless Steel, Add	343.33	
	For >5 To 9, Deduct	-83.84	
	For >9, Deduct	-167.67	
12 31 16 00-0006	EA 18" Stainless Steel Base Cabinet, With 3 Drawers.....	1,674.60	108.02
	For 16 Gauge Stainless Steel, Add	313.58	
	For >5 To 9, Deduct	-76.57	
	For >9, Deduct	-153.14	
12 31 16 00-0007	EA 18" Stainless Steel Base Cabinet, With 2 Drawers.....	1,536.21	108.02
	For 16 Gauge Stainless Steel, Add	283.82	
	For >5 To 9, Deduct	-69.31	
	For >9, Deduct	-138.61	
12 31 16 00-0008	EA 18" Stainless Steel Base Cabinet, With Doors And Drawers.....	1,489.25	108.02
	For 16 Gauge Stainless Steel, Add	273.73	
	For >5 To 9, Deduct	-66.84	
	For >9, Deduct	-133.68	
12 31 16 00-0009	24" Stainless Steel Base Cabinet <small>(12 31 16 00-0002)</small>		
12 31 16 00-0010	EA 24" Stainless Steel Base Cabinet, With Doors And Locks.....	1,595.04	116.75
	For 16 Gauge Stainless Steel, Add	292.70	
	For >5 To 9, Deduct	-71.47	
	For >9, Deduct	-142.94	
12 31 16 00-0011	EA 24" Stainless Steel Base Cabinet, With Door, No Locks.....	1,426.18	116.75
	For 16 Gauge Stainless Steel, Add	256.39	
	For >5 To 9, Deduct	-62.61	
	For >9, Deduct	-125.21	
12 31 16 00-0012	EA 24" Stainless Steel Base Cabinet, With Two Doors, No Locks.....	1,463.15	116.75
	For 16 Gauge Stainless Steel, Add	264.34	
	For >5 To 9, Deduct	-64.55	
	For >9, Deduct	-129.10	
12 31 16 00-0013	EA 24" Stainless Steel Base Cabinet, No Doors, 2 Drawers.....	1,635.01	116.75
	For 16 Gauge Stainless Steel, Add	301.29	
	For >5 To 9, Deduct	-73.57	
	For >9, Deduct	-147.14	
12 31 16 00-0014	EA 24" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks.....	2,156.09	116.75
	For 16 Gauge Stainless Steel, Add	413.32	
	For >5 To 9, Deduct	-100.93	
	For >9, Deduct	-201.86	
12 31 16 00-0015	EA 24" Stainless Steel Base Cabinet, With Doors And Drawers, With Locks.....	2,379.41	116.75
	For 16 Gauge Stainless Steel, Add	461.34	
	For >5 To 9, Deduct	-112.65	
	For >9, Deduct	-225.30	
12 31 16 00-0016	30" Stainless Steel Base Cabinet <small>(12 31 16 00-0002)</small>		
12 31 16 00-0017	EA 30" Stainless Steel Base Cabinet, No Doors, No Drawers.....	1,386.16	123.02
	For 16 Gauge Stainless Steel, Add	245.15	
	For >5 To 9, Deduct	-59.86	
	For >9, Deduct	-119.72	
12 31 16 00-0018	EA 30" Stainless Steel Base Cabinet, With 4 Full Size Drawers.....	2,063.62	123.02
	For 16 Gauge Stainless Steel, Add	390.80	
	For >5 To 9, Deduct	-95.43	
	For >9, Deduct	-190.86	
12 31 16 00-0019	EA 30" Stainless Steel Base Cabinet, With Doors, Drawers And Locks.....	2,686.62	123.02
	For 16 Gauge Stainless Steel, Add	524.74	
	For >5 To 9, Deduct	-128.14	
	For >9, Deduct	-256.27	

**12 Furnishings****12 30 Casework****12 31 Manufactured Metal Casework**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0020 EA 30" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks .....	2,463.30	123.02
For 16 Gauge Stainless Steel, Add	476.73	
For >5 To 9, Deduct	-116.41	
For >9, Deduct	-232.82	
12 31 16 00-0021 EA 30" Stainless Steel Base Cabinet, With Doors And One Full Size Drawer.....	2,324.91	123.02
For 16 Gauge Stainless Steel, Add	446.98	
For >5 To 9, Deduct	-109.15	
For >9, Deduct	-218.29	
12 31 16 00-0022 EA 30" Stainless Steel Base Cabinet, With Doors, No Locks.....	1,763.36	123.02
For 16 Gauge Stainless Steel, Add	326.24	
For >5 To 9, Deduct	-79.66	
For >9, Deduct	-159.33	
12 31 16 00-0023 EA 30" Stainless Steel Base Cabinet, With Doors And Locks .....	1,746.37	123.02
For 16 Gauge Stainless Steel, Add	322.59	
For >5 To 9, Deduct	-78.77	
For >9, Deduct	-157.54	
<b>12 31 16 00-0024 36" Stainless Steel Base Cabinet</b> <small>(12 31 16 00-0002)</small>		
12 31 16 00-0025 EA 36" Stainless Steel Base Cabinet, No Doors, No Drawers.....	1,538.22	127.91
For 16 Gauge Stainless Steel, Add	275.66	
For >5 To 9, Deduct	-67.31	
For >9, Deduct	-134.63	
12 31 16 00-0026 EA 36" Stainless Steel Base Cabinet, With Doors And Locks .....	1,898.93	127.91
For 16 Gauge Stainless Steel, Add	353.21	
For >5 To 9, Deduct	-86.25	
For >9, Deduct	-172.50	
12 31 16 00-0027 EA 36" Stainless Steel Base Cabinet, With Door, No Lock.....	1,766.04	127.91
For 16 Gauge Stainless Steel, Add	324.64	
For >5 To 9, Deduct	-79.27	
For >9, Deduct	-158.55	
12 31 16 00-0028 EA 36" Stainless Steel Base Cabinet, With Doors, Drawers And Lock.....	2,837.18	127.91
For 16 Gauge Stainless Steel, Add	554.94	
For >5 To 9, Deduct	-135.51	
For >9, Deduct	-271.02	
12 31 16 00-0029 EA 36" Stainless Steel Base Cabinet, With Doors, Drawers, No Locks.....	2,614.36	127.91
For 16 Gauge Stainless Steel, Add	507.03	
For >5 To 9, Deduct	-123.81	
For >9, Deduct	-247.62	
<b>12 31 16 00-0030 42" Stainless Steel Base Cabinet</b> <small>(12 31 16 00-0002)</small>		
12 31 16 00-0031 EA 42" Stainless Steel Base Cabinet, No Doors, No Drawers.....	1,613.41	135.93
For 16 Gauge Stainless Steel, Add	288.42	
For >5 To 9, Deduct	-70.43	
For >9, Deduct	-140.86	
12 31 16 00-0032 EA 42" Stainless Steel Base Cabinet, With Doors, Drawers And Lock.....	2,991.81	135.93
For 16 Gauge Stainless Steel, Add	584.78	
For >5 To 9, Deduct	-142.80	
For >9, Deduct	-285.59	
12 31 16 00-0033 EA 42" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock .....	2,768.49	135.93
For 16 Gauge Stainless Steel, Add	536.77	
For >5 To 9, Deduct	-131.07	
For >9, Deduct	-262.14	
12 31 16 00-0034 EA 42" Stainless Steel Base Cabinet, No Doors, 2 Drawers .....	2,537.17	135.93
For 16 Gauge Stainless Steel, Add	487.03	
For >5 To 9, Deduct	-118.93	
For >9, Deduct	-237.85	
12 31 16 00-0035 EA 42" Stainless Steel Base Cabinet, With Doors, No Lock.....	1,921.16	135.93
For 16 Gauge Stainless Steel, Add	354.59	
For >5 To 9, Deduct	-86.59	
For >9, Deduct	-173.17	
12 31 16 00-0036 EA 42" Stainless Steel Base Cabinet, With Doors And Lock.....	2,052.06	135.93
For 16 Gauge Stainless Steel, Add	382.73	
For >5 To 9, Deduct	-93.46	
For >9, Deduct	-186.92	
<b>12 31 16 00-0037 48" Stainless Steel Base Cabinet</b> <small>(12 31 16 00-0002)</small>		
12 31 16 00-0038 EA 48" Stainless Steel Base Cabinet, With Doors, Drawers And Lock.....	3,140.88	139.08
For 16 Gauge Stainless Steel, Add	615.53	
For >5 To 9, Deduct	-150.30	
For >9, Deduct	-300.61	
12 31 16 00-0039 EA 48" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock .....	2,918.06	139.08
For 16 Gauge Stainless Steel, Add	567.62	
For >5 To 9, Deduct	-138.61	
For >9, Deduct	-277.21	
12 31 16 00-0040 EA 48" Stainless Steel Base Cabinet, No Doors, No Drawers.....	1,762.49	139.08
For 16 Gauge Stainless Steel, Add	319.17	
For >5 To 9, Deduct	-77.94	
For >9, Deduct	-155.88	
12 31 16 00-0041 EA 48" Stainless Steel Base Cabinet, No Doors, 2 Drawers .....	2,686.75	139.08
For 16 Gauge Stainless Steel, Add	517.89	
For >5 To 9, Deduct	-126.46	
For >9, Deduct	-252.92	



<b>Furnishings</b>	<b>12</b>
<b>Casework</b>	<b>12 30</b>
<b>Manufactured Metal Casework</b>	<b>12 31</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0042 EA 48" Stainless Steel Base Cabinet, With Doors, And Lock..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,202.63 413.80 -101.05 -202.09	139.08
12 31 16 00-0043 EA 48" Stainless Steel Base Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,166.66 406.07 -99.16 -198.31	139.08
<b>12 31 16 00-0044 60" Stainless Steel Base Cabinet</b> (12 31 16 00-0002)		
12 31 16 00-0045 EA 24" Deep x 60" Wide Stainless Steel Sink Base Cabinet..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,138.78 398.24 -97.25 -194.49	143.31
<b>12 31 16 00-0046 18 Gauge, #4 Finish, 304 Stainless Steel Wall Cabinets</b> (12 31 16 00-0001)		
<b>12 31 16 00-0047 12" Wide Stainless Steel Wall Cabinets</b> (12 31 16 00-0046)		
12 31 16 00-0048 EA 12"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	873.66 170.15 -41.55 -83.10	41.13
12 31 16 00-0049 EA 12"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks ..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	867.98 167.86 -40.99 -81.98	43.62
<b>12 31 16 00-0050 18" Wide Stainless Steel Wall Cabinets</b> (12 31 16 00-0046)		
12 31 16 00-0051 EA 18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	914.88 177.68 -43.39 -86.77	44.22
12 31 16 00-0052 EA 18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks ..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	860.43 165.97 -40.53 -81.05	44.22
12 31 16 00-0053 EA 18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,012.62 197.02 -48.11 -96.22	48.10
12 31 16 00-0054 EA 18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks ..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	979.15 189.83 -46.35 -92.71	48.10
<b>12 31 16 00-0055 24" Wide Stainless Steel Wall Cabinets</b> (12 31 16 00-0046)		
12 31 16 00-0056 EA 24"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Door..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	748.93 139.98 -34.18 -68.36	48.95
12 31 16 00-0057 EA 24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,033.70 201.20 -49.13 -98.26	48.95
12 31 16 00-0058 EA 24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks ..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	979.74 189.60 -46.30 -92.60	48.95
12 31 16 00-0059 EA 24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	973.44 189.61 -46.30 -92.60	45.71
12 31 16 00-0060 EA 24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks ..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	915.99 177.26 -43.28 -86.57	45.71
12 31 16 00-0061 EA 24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Glass Door, No Lock..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,185.27 235.16 -57.42 -114.84	45.71
12 31 16 00-0062 EA 24"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	685.17 127.63 -31.17 -62.33	45.71
12 31 16 00-0063 EA 24"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	644.66 119.84 -29.26 -58.53	43.62

**12 Furnishings****12 30 Casework****12 31 Manufactured Metal Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0064			<b>30" Wide Stainless Steel Wall Cabinets</b> (12 31 16 00-0046)		
12 31 16 00-0065	EA		30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,351.66	51.99
			For 16 Gauge Stainless Steel, Add	268.25	
			For >5 To 9, Deduct	-65.50	
			For >9, Deduct	-131.01	
12 31 16 00-0066	EA		30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,220.77	51.99
			For 16 Gauge Stainless Steel, Add	240.11	
			For >5 To 9, Deduct	-58.63	
			For >9, Deduct	-117.26	
12 31 16 00-0067	EA		30"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors.....	804.60	51.99
			For 16 Gauge Stainless Steel, Add	150.63	
			For >5 To 9, Deduct	-36.78	
			For >9, Deduct	-73.56	
12 31 16 00-0068	EA		30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,287.23	47.85
			For 16 Gauge Stainless Steel, Add	256.17	
			For >5 To 9, Deduct	-62.55	
			For >9, Deduct	-125.11	
12 31 16 00-0069	EA		30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Lock.....	1,156.33	47.85
			For 16 Gauge Stainless Steel, Add	228.03	
			For >5 To 9, Deduct	-55.68	
			For >9, Deduct	-111.36	
12 31 16 00-0070	EA		30"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors.....	740.16	47.85
			For 16 Gauge Stainless Steel, Add	138.55	
			For >5 To 9, Deduct	-33.83	
			For >9, Deduct	-67.66	
12 31 16 00-0071	EA		30"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors.....	699.55	45.61
			For 16 Gauge Stainless Steel, Add	130.80	
			For >5 To 9, Deduct	-31.94	
			For >9, Deduct	-63.88	
12 31 16 00-0072			<b>36" Wide Stainless Steel Wall Cabinets</b> (12 31 16 00-0046)		
12 31 16 00-0073	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,406.20	53.49
			For 16 Gauge Stainless Steel, Add	279.33	
			For >5 To 9, Deduct	-68.21	
			For >9, Deduct	-136.42	
12 31 16 00-0074	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,272.31	53.49
			For 16 Gauge Stainless Steel, Add	250.55	
			For >5 To 9, Deduct	-61.18	
			For >9, Deduct	-122.36	
12 31 16 00-0075	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors.....	859.14	53.49
			For 16 Gauge Stainless Steel, Add	161.72	
			For >5 To 9, Deduct	-39.49	
			For >9, Deduct	-78.98	
12 31 16 00-0076	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,341.45	48.95
			For 16 Gauge Stainless Steel, Add	267.37	
			For >5 To 9, Deduct	-65.29	
			For >9, Deduct	-130.58	
12 31 16 00-0077	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,211.06	48.95
			For 16 Gauge Stainless Steel, Add	239.34	
			For >5 To 9, Deduct	-58.44	
			For >9, Deduct	-116.88	
12 31 16 00-0078	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors.....	794.39	48.95
			For 16 Gauge Stainless Steel, Add	149.75	
			For >5 To 9, Deduct	-36.57	
			For >9, Deduct	-73.13	
12 31 16 00-0079	EA		36"W x 12"D x 18"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	754.74	46.61
			For 16 Gauge Stainless Steel, Add	142.22	
			For >5 To 9, Deduct	-34.73	
			For >9, Deduct	-69.46	
12 31 16 00-0080			<b>42" Wide Stainless Steel Wall Cabinets</b> (12 31 16 00-0046)		
12 31 16 00-0081	EA		42"W x 12"D x 42"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,463.14	67.30
			For 16 Gauge Stainless Steel, Add	285.66	
			For >5 To 9, Deduct	-69.75	
			For >9, Deduct	-139.51	
12 31 16 00-0082	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,469.41	63.51
			For 16 Gauge Stainless Steel, Add	288.63	
			For >5 To 9, Deduct	-70.48	
			For >9, Deduct	-140.96	
12 31 16 00-0083	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks.....	1,336.52	63.51
			For 16 Gauge Stainless Steel, Add	260.06	
			For >5 To 9, Deduct	-63.50	
			For >9, Deduct	-127.00	
12 31 16 00-0084	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors.....	921.35	63.51
			For 16 Gauge Stainless Steel, Add	170.80	
			For >5 To 9, Deduct	-41.71	
			For >9, Deduct	-83.41	
12 31 16 00-0085	EA		42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks.....	1,391.60	53.34
			For 16 Gauge Stainless Steel, Add	276.26	
			For >5 To 9, Deduct	-67.46	
			For >9, Deduct	-134.92	



<b>Furnishings</b>	<b>12</b>
Casework	12 30
Manufactured Metal Casework	12 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31	16 00-0086	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks ..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,259.71 247.91 -60.54 -121.07	53.34
12 31	16 00-0087	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	844.54 158.64 -38.74 -77.48	53.34
<b>12 31</b>	<b>16 00-0088</b>		<b>48" Wide Stainless Steel Wall Cabinets</b> (12 31 16 00-0046)		
12 31	16 00-0089	EA	48"W x 12"D x 42"H Stainless Steel Wall Cabinet, No Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,278.77 245.44 -59.93 -119.87	67.30
12 31	16 00-0090	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,522.91 299.51 -73.14 -146.27	64.90
12 31	16 00-0091	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks ..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,392.01 271.37 -66.26 -132.53	64.90
12 31	16 00-0092	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	975.85 181.90 -44.42 -88.83	64.90
12 31	16 00-0093	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,445.45 287.61 -70.23 -140.46	53.83
12 31	16 00-0094	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks ..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,315.06 259.57 -63.38 -126.77	53.83
12 31	16 00-0095	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	898.39 169.99 -41.51 -83.02	53.83
12 31	16 00-0096		<b>Accessories</b> (12 31 16 00-0001)		
12 31	16 00-0097		<b>Stainless Steel Countertops</b> (12 31 16 00-0096) Note: Includes all finishes, finished ends and all edge types such as straight, bullnose, eased, marine, etc. Excludes sinks.		
12 31	16 00-0098	SF	16 Gauge Stainless Steel Countertop With Backsplash ..... <i>For 14 Gauge Stainless Steel, Add</i>	75.72 15.52	2.74
12 31	16 00-0099	SF	16 Gauge Stainless Steel Countertop Without Backsplash ..... <i>For 14 Gauge Stainless Steel, Add</i>	69.15 14.07	2.74
12 31	16 00-0100	EA	Cutout For Sink And/Or Faucet In Stainless Steel Countertop .....	58.90	
12 31	16 00-0101		<b>Stainless Steel Wall Panels</b> (12 31 16 00-0096)		
12 31	16 00-0102	SF	20 Gauge Stainless Steel Wall Panel ..... <i>For 18 Gauge Stainless Steel, Add</i> <i>For 16 Gauge Stainless Steel, Add</i>	19.44 3.05 5.88	4.09
12 31	16 00-0103		<b>Pedestal Legs</b> (12 31 16 00-0096)		
12 31	16 00-0104	EA	Type #304 Stainless Steel Pedestal Leg .....	192.99	6.24
12 31	16 00-0105		<b>Stainless Steel Slanted Cabinet Top Enclosure</b> (12 31 16 00-0096)		
12 31	16 00-0106	EA	Stainless Steel Slanted Cabinet Top Enclosure, 5' Sections .....	202.64	9.82
<b>12 35</b>	<b>Specialty Casework</b>		(12 30)		
<b>12 35 70</b>	<b>Healthcare Casework</b>		(12 35)		
<b>12 35 70 13</b>	<b>Hospital Casework</b>		(12 35 70)		
<b>12 35 70 13-0001</b>	<b>Modular Casework</b>		(12 35 70 13) Note: Midmark.		
12 35 70	13-0002	EA	36" High Base Sink Unit, 2 Doors; Midmark MC-SBS005-243624 .....	507.09	40.18
12 35 70	13-0003	EA	36" High Base Sink Unit, 2 Doors; Midmark MC-SBS005-363624 .....	628.89	50.23
12 35 70	13-0004	EA	36" High Base Sink Unit, 2 Doors With Tap Master Valve; Midmark MC-SBS009-243624 .....	889.80	40.18
12 35 70	13-0005	EA	36" High Base Sink Unit, 2 Doors With Tap Master Valve; Midmark MC-SBS009-363624 .....	1,020.78	50.23
12 35 70	13-0006	EA	36" High Base Storage Unit, 1 Door; Midmark MC-SBP006-243624 .....	575.21	40.18
12 35 70	13-0007	EA	36" High Base Storage Unit, 2 Doors; Midmark MC-SBP007-363624 .....	774.32	50.23
12 35 70	13-0008	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door; Midmark MC-SBP012-153624 .....	577.50	40.18
12 35 70	13-0009	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door; Midmark MC-SBP012-183624 .....	622.66	40.18
12 35 70	13-0010	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door; Midmark MC-SBP012-213624 .....	661.70	40.18

**12 Furnishings**  
**12 30 Casework**  
**12 35 Specialty Casework**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 35 70 13-0011	EA		36" High Base Storage Unit, 1 4" Drawer, 2 Doors; Midmark MC-SBP013-303624 .....	827.13	50.23
12 35 70 13-0012	EA		36" High Base Storage Unit, 1 4" Drawer, 2 Doors; Midmark MC-SBP013-363624 .....	840.14	50.23
12 35 70 13-0013	EA		36" High Base Storage Unit, 2 4" Drawer, 2 Doors; Midmark MC-SBP020-243624 .....	778.81	40.18
12 35 70 13-0014	EA		36" High Base Storage Unit, 2 4" Drawer, 2 Doors; Midmark MC-SBP020-303624 .....	903.67	50.23
12 35 70 13-0015	EA		36" High Base Storage Unit, 2 4" Drawer, 2 Doors; Midmark MC-SBP020-363624 .....	931.99	50.23
12 35 70 13-0016	EA		36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers; Midmark MC-SBP024-123624 .....	680.07	40.18
12 35 70 13-0017	EA		36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers; Midmark MC-SBP024-153624 .....	699.97	40.18
12 35 70 13-0018	EA		36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers; Midmark MC-SBP024-183624 .....	751.26	40.18
12 35 70 13-0019	EA		36" High Base Storage Unit, 2 4" Drawer, 2 8" Drawers; Midmark MC-SBP025-303624 .....	1,256.53	50.23
12 35 70 13-0020	EA		36" High Base Storage Unit, 2 4" Drawer, 2 8" Drawers; Midmark MC-SBP025-363624 .....	1,328.48	50.23
12 35 70 13-0021	EA		36" High Base Storage Unit, 5 4" Drawer; Midmark MC-SBP032-153624 .....	880.61	40.18
12 35 70 13-0022	EA		36" High Base Storage Unit, 5 4" Drawer; Midmark MC-SBP032-183624 .....	933.43	40.18
12 35 70 13-0023	EA		36" High Base Storage Unit, 5 4" Drawer; Midmark MC-SBP032-213624 .....	1,024.51	40.18
12 35 70 13-0024	EA		84" High Tall Storage Unit, 2 Doors; Midmark MC-STP032-368424 .....	1,779.98	120.55
12 35 70 13-0025	EA		84" High Tall Storage Unit, Open Upper With Pull Out Shelf, 1 4" Drawer, 2 Doors; Midmark MC-STP081-248424 .....	1,632.25	120.55
12 35 70 13-0026	EA		Desk Filler Panel; Midmark MC-SDA003-060501 .....	65.15	10.04
12 35 70 13-0027	EA		30" High Overhead Unit, 1 Door; Midmark MC-SOHO41-123014 .....	366.25	40.18
12 35 70 13-0028	EA		30" High Overhead Unit, 1 Door; Midmark MC-SOHO41-153014 .....	359.36	40.18
12 35 70 13-0029	EA		30" High Overhead Unit, 1 Door; Midmark MC-SOHO41-183014 .....	383.85	40.18
12 35 70 13-0030	EA		30" High Overhead Unit, 1 Door; Midmark MC-SOHO41-213014 .....	416.77	40.18
12 35 70 13-0031	EA		30" High Overhead Unit, 2 Doors; Midmark MC-SOHO42-243014 .....	454.27	40.18
12 35 70 13-0032	EA		30" High Overhead Unit, 2 Doors; Midmark MC-SOHO42-303014 .....	518.67	50.23
12 35 70 13-0033	EA		30" High Overhead Unit, 2 Doors; Midmark MC-SOHO42-363014 .....	563.83	50.23
12 35 70 13-0034	EA		30" High Overhead Unit, 2 Window Doors; Midmark MC-SOHO44-303014 .....	695.48	50.23
12 35 70 13-0035	EA		30" High Overhead Unit, 2 Window Doors; Midmark MC-SOHO44-363014 .....	775.08	50.23
12 35 70 13-0036	LF		19" Self Edge Laminate Countertop With Backsplash .....	93.91	5.89
12 35 70 13-0037	LF		25" Self Edge Laminate Countertop With Backsplash .....	186.45	7.85
12 35 70 13-0038	SF		Melamine Wall Cabinet Inner Soffit .....	15.76	4.92

Note: Includes blocking

**12 36 Countertops** (12 30)

**12 36 23 Plastic Countertops** (12 36)

**12 36 23 13 Plastic-Laminate-Clad Countertops** (12 36 23)

**12 36 23 13-0001 Plastic Laminate Countertops** (12 36 23 13)

Note: Includes plywood, medium-density fiberboard (MDF), or particleboard substrates, finished ends, and all edge types such as bullnose, ogee, roundover, bevel, etc.

12 36 23 13-0002	SF		Plastic Laminate Countertop Without Backsplash .....	9.68	3.93
12 36 23 13-0003	SF		Plastic Laminate Countertop With 4" Backsplash .....	11.83	3.93
12 36 23 13-0004	LF		Plastic Laminate End Splash For Plastic Laminate Countertops .....	11.55	1.18
12 36 23 13-0005	EA		Cutout For Sink And/Or Faucet In Plastic Laminate Countertop .....	32.72	

**12 36 53 Laboratory Countertops** (12 36)

**12 36 53 00-0001 Epoxy Resin Laboratory Countertops** (12 36 53)

Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.

12 36 53 00-0002	SF		3/4" Thick, Black Epoxy Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges .....	31.07	1.97
12 36 53 00-0003	SF		1" Thick, Black Epoxy Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges .....	32.17	1.97
12 36 53 00-0004	SF		1-1/4" Thick, Black Epoxy Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges .....	39.85	1.97
12 36 53 00-0005	LF		4" x 3/4" Thick, Black Epoxy Resin Backsplash For Laboratory Countertop .....	11.31	1.18
12 36 53 00-0006	LF		6" x 3/4" Thick, Black Epoxy Resin Backsplash For Laboratory Countertop .....	15.79	1.18

**12 36 53 00-0007 Epoxy Resin Laboratory Sinks** (12 36 53)

Note: Includes cut out for sinks, and sink strainer assembly set.

**12 36 53 00-0008 Epoxy Resin Laboratory Undermount Sink** (12 36 53 00-0007)

12 36 53 00-0009	EA		12" Length x 8" Width x 6" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	351.22	69.75
12 36 53 00-0010	EA		12" Length x 8" Width x 7" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	356.81	69.75
12 36 53 00-0011	EA		12" Length x 12" Width x 8" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	416.51	69.75
12 36 53 00-0012	EA		14" Length x 10" Width x 6" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	356.81	69.75
12 36 53 00-0013	EA		16" Length x 8" Width x 7" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	378.79	75.62
12 36 53 00-0014	EA		16" Length x 12" Width x 8" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	398.69	75.62
12 36 53 00-0015	EA		16" Length x 16" Width x 12" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	812.15	75.62
12 36 53 00-0016	EA		18" Length x 15" Width x 11" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	444.16	75.62
12 36 53 00-0017	EA		24" Length x 16" Width x 8" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	460.46	80.83
12 36 53 00-0018	EA		24" Length x 16" Width x 10" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	563.08	80.83
12 36 53 00-0019	EA		24" Length x 16" Width x 12" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	672.50	80.83
12 36 53 00-0020	EA		30" Length x 18" Width x 18" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	1,453.56	80.83
12 36 53 00-0021	EA		31" Length x 21" Width x 12" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	752.88	80.83
12 36 53 00-0022	EA		36" Length x 20" Width x 16" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	1,560.63	80.83
12 36 53 00-0023	EA		42" Length x 20" Width x 10" Depth, Black Epoxy Resin Laboratory Undermount Sink .....	2,132.26	82.79

**12 36 53 00-0024 Epoxy Resin Laboratory Drop-in Sink** (12 36 53 00-0007)

12 36 53 00-0025	EA		9" Length x 6" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	350.39	69.75
12 36 53 00-0026	EA		12" Length x 8" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	351.21	69.75
12 36 53 00-0027	EA		12" Length x 12" Width x 12" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	408.45	69.75



<b>Furnishings</b>	<b>12</b>
Casework	12 30
Countertops	12 36

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 36 53 00-0028 EA 14" Length x 10" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	356.81	69.75
12 36 53 00-0029 EA 15" Length x 8" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	375.42	69.75
12 36 53 00-0030 EA 15" Length x 8" Width x 11" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	375.42	69.75
12 36 53 00-0031 EA 16" Length x 8" Width x 7" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	378.79	75.62
12 36 53 00-0032 EA 16" Length x 12" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	398.69	75.62
12 36 53 00-0033 EA 16" Length x 16" Width x 9-5/8" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	410.09	75.62
12 36 53 00-0034 EA 18" Length x 15" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	412.92	75.62
12 36 53 00-0035 EA 18" Length x 15" Width x 11" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	481.70	75.62
12 36 53 00-0036 EA 24" Length x 16" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	498.00	80.83
12 36 53 00-0037 EA 25" Length x 15" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	508.59	80.83
12 36 53 00-0038 EA 25" Length x 15" Width x 10" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	512.18	80.83
12 36 53 00-0039 EA 30" Length x 16" Width x 10" Depth, Black Epoxy Resin Laboratory Drop-in Sink .....	750.12	80.83
12 36 53 00-0040 EA 10" Diameter x 7.8" Depth, Black Round Epoxy Resin Laboratory Drop-in Sink .....	355.63	69.10
12 36 53 00-0041 EA 12" Diameter x 7.8" Depth, Black Round Epoxy Resin Laboratory Drop-in Sink .....	365.27	69.10
<b>12 36 53 00-0042 Epoxy Resin Laboratory ADA Drop-in Sink</b> <small>(12 36 53 00-0007)</small>		
12 36 53 00-0043 EA 14" Length x 10" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink .....	353.55	69.10
12 36 53 00-0044 EA 14" Length x 14" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink .....	379.90	69.10
12 36 53 00-0045 EA 14" Length x 15" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink .....	393.36	69.10
12 36 53 00-0046 EA 25" Length x 15" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink .....	512.18	80.83
<b>12 36 53 00-0047 Epoxy Resin Laboratory Cup Sink</b> <small>(12 36 53 00-0007)</small>		
12 36 53 00-0048 EA 6" Length x 3" Width x 4" Depth, Black Oval Epoxy Resin Laboratory Cup Sink .....	233.03	56.06
<b>12 36 53 00-0049 Polypropylene Laboratory Countertops</b> <small>(12 36 53)</small>		
Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.		
12 36 53 00-0050 SF 3/4" Thick, Black Polypropylene Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges .....	12.43	1.97
12 36 53 00-0051 SF 1" Thick, Black Polypropylene Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges .....	14.08	1.97
12 36 53 00-0052 SF 1-1/4" Thick, Black Polypropylene Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges .....	16.19	1.97
12 36 53 00-0053 LF 4" x 3/4" Thick, Black Polypropylene Backsplash For Laboratory Countertop .....	5.10	1.18
12 36 53 00-0054 LF 6" x 3/4" Thick, Black Polypropylene Backsplash For Laboratory Countertop .....	6.47	1.18
<b>12 36 53 00-0055 Polypropylene Laboratory Sinks</b> <small>(12 36 53)</small>		
Note: Includes cut out for sinks, and sink strainer assembly set.		
<b>12 36 53 00-0056 Polypropylene Laboratory Undermount Sink</b> <small>(12 36 53 00-0055)</small>		
12 36 53 00-0057 EA 12" Length x 8" Width x 8" Depth, Black Polypropylene Laboratory Undermount Sink .....	373.46	69.75
12 36 53 00-0058 EA 12" Length x 12" Width x 8" Depth, Black Polypropylene Laboratory Undermount Sink .....	392.37	69.75
12 36 53 00-0059 EA 14" Length x 10" Width x 6" Depth, Black Polypropylene Laboratory Undermount Sink .....	387.72	69.75
12 36 53 00-0060 EA 16" Length x 8" Width x 7" Depth, Black Polypropylene Laboratory Undermount Sink .....	408.67	75.62
12 36 53 00-0061 EA 16" Length x 13" Width x 6" Depth, Black Polypropylene Laboratory Undermount Sink .....	498.96	75.62
12 36 53 00-0062 EA 17" Length x 17" Width x 12" Depth, Black Polypropylene Laboratory Undermount Sink .....	503.67	75.62
12 36 53 00-0063 EA 18" Length x 15" Width x 12" Depth, Black Polypropylene Laboratory Undermount Sink .....	503.67	75.62
12 36 53 00-0064 EA 24" Length x 16" Width x 8" Depth, Black Polypropylene Laboratory Undermount Sink .....	539.00	80.83
12 36 53 00-0065 EA 25" Length x 15" Width x 10" Depth, Black Polypropylene Laboratory Undermount Sink .....	562.87	80.83
12 36 53 00-0066 EA 23" Length x 17" Width x 11-1/2" Depth, Black Polypropylene Laboratory Undermount Sink .....	539.00	80.83
12 36 53 00-0067 EA 30" Length x 18" Width x 18" Depth, Black Polypropylene Laboratory Undermount Sink .....	824.15	80.83
12 36 53 00-0068 EA 31" Length x 20.5" Width x 11-1/2" Depth, Black Polypropylene Laboratory Undermount Sink .....	819.91	80.83
12 36 53 00-0069 EA 42" Length x 18" Width x 16" Depth, Black Polypropylene Laboratory Undermount Sink .....	1,418.88	82.79
<b>12 36 53 00-0070 Polypropylene Laboratory Drop-in Sink</b> <small>(12 36 53 00-0055)</small>		
12 36 53 00-0071 EA 11" Length x 11" Width x 7" Depth, Black Polypropylene Laboratory Drop-in Sink .....	325.96	69.75
12 36 53 00-0072 EA 12" Length x 8" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink .....	505.38	69.75
12 36 53 00-0073 EA 12" Length x 12" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink .....	344.85	69.75
12 36 53 00-0074 EA 14" Length x 10" Width x 6" Depth, Black Polypropylene Laboratory Drop-in Sink .....	340.21	69.75
12 36 53 00-0075 EA 17" Length x 17" Width x 12" Depth, Black Polypropylene Laboratory Drop-in Sink .....	456.16	75.62
12 36 53 00-0076 EA 16" Length x 8" Width x 7" Depth, Black Polypropylene Laboratory Drop-in Sink .....	361.15	75.62
12 36 53 00-0077 EA 18" Length x 12" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink .....	456.16	75.62
12 36 53 00-0078 EA 16" Length x 16" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink .....	446.61	75.62
12 36 53 00-0079 EA 18" Length x 15" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink .....	437.33	75.62
12 36 53 00-0080 EA 18" Length x 15" Width x 12" Depth, Black Polypropylene Laboratory Drop-in Sink .....	456.16	75.62
12 36 53 00-0081 EA 24" Length x 16" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink .....	491.48	80.83
12 36 53 00-0082 EA 25" Length x 15" Width x 10" Depth, Black Polypropylene Laboratory Drop-in Sink .....	515.35	80.83
12 36 53 00-0083 EA 31" Length x 17" Width x 10" Depth, Black Polypropylene Laboratory Drop-in Sink .....	748.40	80.83
12 36 53 00-0084 EA 12" Diameter x 7.8" Depth, Black Round Polypropylene Laboratory Drop-in Sink .....	306.09	69.10
<b>12 36 53 00-0085 Polypropylene Laboratory ADA Drop-in Sink</b> <small>(12 36 53 00-0055)</small>		
12 36 53 00-0086 EA 16" Length x 16" Width x 5.5" Depth, Black Polypropylene Laboratory ADA Drop-in Sink .....	437.33	75.62
12 36 53 00-0087 EA 25" Length x 15" Width x 5.5" Depth, Black Polypropylene Laboratory ADA Drop-in Sink .....	504.65	80.83
<b>12 36 53 00-0088 Polypropylene Laboratory Cup Sink</b> <small>(12 36 53 00-0055)</small>		
12 36 53 00-0089 EA 6" Length x 3" Width x 4" Depth, Black Oval Polypropylene Laboratory Cup Sink .....	246.52	69.10



**12 Furnishings**

**12 30 Casework**

**12 36 Countertops**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 36 53 00-0090			<b>Phenolic Resin Laboratory Countertops</b> <small>(12 36 53)</small> Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.		
12 36 53 00-0091	SF		3/4" Thick, Black Phenolic Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges.....	21.21	1.97
12 36 53 00-0092	SF		1" Thick, Black Phenolic Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges.....	24.23	1.97
12 36 53 00-0093	SF		1-1/4" Thick, Black Phenolic Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges.....	26.34	1.97
12 36 53 00-0094	LF		4" x 3/4" Thick, Black Phenolic Resin Backsplash For Laboratory Countertop.....	7.70	1.18
12 36 53 00-0095	LF		6" x 3/4" Thick, Black Phenolic Resin Backsplash For Laboratory Countertop.....	10.33	1.18
12 36 53 00-0096			<b>High Pressure Laminate Laboratory Countertops</b> <small>(12 36 53)</small> Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.		
12 36 53 00-0097	SF		3/4" Thick, High Pressure Laminate Laboratory Countertop Without Backsplash, Machined Bevel Edges.....	11.41	1.97
12 36 53 00-0098	SF		1" Thick, High Pressure Laminate Laboratory Countertop Without Backsplash, Machined Bevel Edges.....	12.11	1.97
12 36 53 00-0099	SF		1-1/4" Thick, High Pressure Laminate Laboratory Countertop Without Backsplash, Machined Bevel Edges.....	12.11	1.97
12 36 53 00-0100	LF		4" x 3/4" Thick, High Pressure Laminate Backsplash For Laboratory Countertop.....	6.31	1.18
12 36 53 00-0101	LF		6" x 3/4" Thick, High Pressure Laminate Backsplash For Laboratory Countertop.....	6.31	1.18
12 36 61			<b>Simulated Stone Countertops</b> <small>(12 36)</small>		
12 36 61 16			<b>Solid Surfacing Countertops</b> <small>(12 36 61)</small>		
12 36 61 16-0001			<b>Solid Surface Countertops</b> <small>(12 36 61 16)</small>		
12 36 61 16-0002			<b>Solid Surface Countertops</b> <small>(12 36 61 16-0001)</small> Note: Includes finished ends and all edge types such as bullnose, ogee, roundover, bevel, etc.		
12 36 61 16-0003	SF		1/4" Thick, Color Group "B", Solid Surface Backsplash.....	22.61	2.62
			Note: Quantity based on area of backsplash. Excludes backing material such as cement or water resistant gypsum board.		
			For Up To 50, Add	7.58	
			For >50 To 100, Add	4.20	
			For Group A Color Material, Deduct	-4.78	
			For Group C Color Material, Add	3.19	
			For Group D Color Material, Add	11.96	
12 36 61 16-0004	SF		1/2" Thick, Color Group "B", Solid Surface Countertop Without Backsplash.....	33.49	3.93
			Note: Quantity based on area of counter, backsplash and apron. Includes drilling holes for fixtures and 1-1/2" drop edge with 1/8" radius edges (when apron not used).		
			For Up To 50, Add	11.05	
			For >50 To 100, Add	6.30	
			For Group A Color Material, Deduct	-6.04	
			For Group C Color Material, Add	4.03	
			For Group D Color Material, Add	15.11	
			For Integral 16-7/16" x 13" x 5-1/4" Depth Lavatory Sink (Corian 810), Add	140.20	
			For Integral 20-7/16" x 14-7/16" x 6-1/8" Depth Lavatory Sink (Corian 815), Add	177.27	
			For Integral 17-3/8" x 10-13/16" x 5-1/2" Depth Lavatory Sink (Corian 816), Add	129.42	
			For Integral 14-3/4" x 10-1/2" x 5-1/2" Depth Lavatory Sink (Corian 820), Add	123.35	
			For Integral 18-7/8" x 13-3/4" x 5-7/8" Depth Lavatory Sink (Corian 830), Add	177.27	
			For Integral 20" x 13-3/8" x 6-1/4" Depth Lavatory Sink (Corian 831), Add	177.27	
			For Integral 19-3/4" x 14-1/4" x 5-7/8" Depth Lavatory Sink (Corian 835), Add	177.27	
			For Integral 17" x 14" x 6" Depth Lavatory Sink (Corian 837), Add	177.27	
			For Up To 1.5 SF Integral Single Basin Kitchen Sink, Add	159.75	
			Note: Single or double bowl.		
			For >1.5 To 2.25 SF Integral Single Basin Kitchen Sink, Add	277.70	
			Note: Single or double bowl.		
			For >2.25 To 3 SF Integral Single Basin Kitchen Sink, Add	372.07	
			Note: Single or double bowl.		
			For >3 SF Integral Single Basin Kitchen Sink, Add	403.08	
			Note: Single or double bowl.		
			For >3 SF Integral Double Basin Kitchen Sink, Add	403.08	
12 36 61 16-0005	SF		1/2" Thick, Color Group "B", Solid Surface Countertop With 4" Backsplash.....	35.85	3.93
			For Up To 50, Add	11.76	
			For >50 To 100, Add	6.77	
			For Group A Color Material, Deduct	-6.04	
			For Group C Color Material, Add	4.03	
			For Group D Color Material, Add	15.11	
			For Integral 16-7/16" x 13" x 5-1/4" Depth Lavatory Sink (Corian 810), Add	140.20	
			For Integral 20-7/16" x 14-7/16" x 6-1/8" Depth Lavatory Sink (Corian 815), Add	177.27	
			For Integral 17-3/8" x 10-13/16" x 5-1/2" Depth Lavatory Sink (Corian 816), Add	129.42	
			For Integral 14-3/4" x 10-1/2" x 5-1/2" Depth Lavatory Sink (Corian 820), Add	123.35	
			For Integral 18-7/8" x 13-3/4" x 5-7/8" Depth Lavatory Sink (Corian 830), Add	177.27	
			For Integral 20" x 13-3/8" x 6-1/4" Depth Lavatory Sink (Corian 831), Add	177.27	
			For Integral 19-3/4" x 14-1/4" x 5-7/8" Depth Lavatory Sink (Corian 835), Add	177.27	
			For Integral 17" x 14" x 6" Depth Lavatory Sink (Corian 837), Add	177.27	
			For Up To 1.5 SF Integral Single Basin Kitchen Sink, Add	159.75	
			Note: Single or double bowl.		
			For >1.5 To 2.25 SF Integral Single Basin Kitchen Sink, Add	277.70	
			Note: Single or double bowl.		
			For >2.25 To 3 SF Integral Single Basin Kitchen Sink, Add	372.07	
			Note: Single or double bowl.		
			For >3 SF Integral Single Basin Kitchen Sink, Add	403.08	
			Note: Single or double bowl.		
			For >3 SF Integral Double Basin Kitchen Sink, Add	403.08	
12 36 61 16-0006	LF		1/2" Thick, Color Group "B", Solid Surface End Splash For Solid Surface Countertops.....	13.40	1.67
			For Group A Color Material, Deduct	-3.02	
			For Group C Color Material, Add	2.01	
			For Group D Color Material, Add	7.55	



<b>Furnishings</b>	<b>12</b>	<b>12</b>
Casework	12 30	
Countertops	12 36	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 36 61 16-0007 EA Cutout For Sink And/Or Faucet In Solid Surface Countertop.....58.90

**12 36 61 19 Quartz Agglomerate Countertops** (12 36 61)

**12 36 61 19-0001 Quartz Agglomerate Countertops** (12 36 61 19)

Note: Includes finished ends and all edge types such as bullnose, ogee, roundover, bevel, etc.

12 36 61 19-0002 SF 3/4" Thick, Quartz Agglomerate Countertop Without Backsplash.....	52.79	8.64
12 36 61 19-0003 SF 1-1/4" Thick, Quartz Agglomerate Countertop Without Backsplash.....	66.79	8.64
12 36 61 19-0004 SF 3/4" Thick, Quartz Agglomerate Countertop With Backsplash.....	58.37	10.06
12 36 61 19-0005 SF 1-1/4" Thick, Quartz Agglomerate Countertop With Backsplash.....	72.37	10.06
12 36 61 19-0006 LF Quartz Agglomerate Countertop End Splash For Quartz Agglomerate Countertops.....	9.34	1.67
12 36 61 19-0007 EA Cutout For Sink And/Or Faucet In Quartz Agglomerate Countertop.....	58.90	

**12 40 Furnishings And Accessories** (12)

**12 41 Office Accessories** (12 40)

**12 41 11 Office Accessories** (12 41)

**12 41 11 00-0001 Wall Mounted Office Accessories** (12 41 11)

12 41 11 00-0002 EA Manual Pencil Sharpener, Wall Mounted.....	14.79	1.64
12 41 11 00-0003 EA Wall Mounted Flag.....	9.34	1.64

**12 48 Rugs And Mats** (12 40)

**12 48 13 Entrance Floor Mats And Frames** (12 48)

**12 48 13 13 Entrance Floor Mats** (12 48 13)

**12 48 13 13-0001 Floor Mats** (12 48 13 13)

12 48 13 13-0002 SF 3/8" Thick Solid Recessable Floor Mat.....	10.39	0.98
For Colors, Add	1.69	
12 48 13 13-0003 SF 1/2" Thick Solid Recessable Floor Mat.....	12.99	0.98
For Colors, Add	2.21	
12 48 13 13-0004 SF 3/8" Thick Perforated Recessable Floor Mat.....	11.04	0.98
For Colors, Add	1.82	
12 48 13 13-0005 SF 1/2" Thick Perforated Recessable Floor Mat.....	13.64	0.98
For Colors, Add	2.34	

**12 48 13 13-0006 Link Mats** (12 48 13 13)

Note: Includes nosing.

12 48 13 13-0007 SF 3/8" Link Mats, Aluminum.....	23.54	0.98
12 48 13 13-0008 SF Black Rubber Link Mats With Galvanized Tie Rods.....	10.89	0.98
12 48 13 13-0009 SF 3/8" Thick, Galvanized Steel Link Mats.....	11.21	0.98
12 48 13 13-0010 SF Vinyl Link Mats, Color.....	11.85	0.98
12 48 13 13-0011 LF Rubber Nosing.....	3.22	0.43

**12 48 13 13-0012 Duckboard** (12 48 13 13)

12 48 13 13-0013 SF Aluminum Slats.....	34.08	1.02
12 48 13 13-0014 SF Hardwood Strips On Rubber Base.....	10.67	1.02
12 48 13 13-0015 SF Assembled With Brass Rods And Vinyl Spacers.....	11.94	1.02
12 48 13 13-0016 SF Tire Fabric, 3/4" Thick.....	11.81	1.02
12 48 13 13-0017 SF Vinyl, 36" Wide, Hollow Top And Bottom.....	4.63	1.02
12 48 13 13-0018 SF Vinyl, 36" Wide, Solid Top And Bottom.....	6.68	1.02

**12 48 13 16 Entrance Floor Mat Frames** (12 48 13)

**12 48 13 16-0001 Recessed Frames** (12 48 13 16)

12 48 13 16-0002 LF Aluminum Recessed Embedded Frame.....	13.31	1.57
12 48 13 16-0003 LF Bronze Recessed Embedded Frame.....	10.50	1.57

**12 50 Furniture** (12)

**12 55 Detention Furniture** (12 50)

**12 55 13 Detention Bunks** (12 55)

**12 55 13 00-0001 Wall Mounted Single Bunks** (12 55 13)

Note: 14 Gauge center pan, 7 gauge bracket, painted.

12 55 13 00-0002 EA 27" Wide x 80" Long x 12" High Wall Mounted Bunk.....	225.12	49.55
12 55 13 00-0003 EA 32" Wide x 80" Long x 12" High Wall Mounted Bunk.....	251.64	49.55
12 55 13 00-0004 EA 38" Wide x 80" Long x 12" High Wall Mounted Bunk.....	270.21	49.55

**12 Furnishings****12 50 Furniture****12 55 Detention Furniture**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>12 55 13 00-0005</b> <b>Floor Supported Single Bunks</b> <small>(12 55 13)</small> Note: 14 Gauge center pan, 10 gauge steel brackets, 10 gauge formed steel legs, painted.		
12 55 13 00-0006 EA 27" Wide x 80" Long x 12" High Floor Mounted Bunk.....	225.12	49.55
12 55 13 00-0007 EA 32" Wide x 80" Long x 12" High Floor Mounted Bunk.....	251.64	49.55
12 55 13 00-0008 EA 38" Wide x 80" Long x 12" High Floor Mounted Bunk.....	270.21	49.55
<b>12 55 13 00-0009</b> <b>Floor Mounted Single Bunks</b> <small>(12 55 13)</small> Note: 14 Gauge center pan, 10 gauge formed steel legs, painted.		
12 55 13 00-0010 EA 27" Wide x 80" Long x 16" High Floor Mounted Bunk.....	225.12	49.55
12 55 13 00-0011 EA 32" Wide x 80" Long x 16" High Floor Mounted Bunk.....	251.64	49.55
12 55 13 00-0012 EA 38" Wide x 80" Long x 16" High Floor Mounted Bunk.....	270.21	49.55
<b>12 55 13 00-0013</b> <b>Single Stackable Bunks</b> <small>(12 55 13)</small> Note: One piece, 10 gauge formed pan, 10 gauge formed steel legs, painted.		
12 55 13 00-0014 EA 26" Wide x 76" Long x 32" High Stackable Bunk.....	230.43	49.55
12 55 13 00-0015 EA 31" Wide x 76" Long x 32" High Stackable Bunk.....	238.38	49.55
<b>12 55 13 00-0016</b> <b>Double Bunks</b> <small>(12 55 13)</small> Note: 14 Gauge center pans, 10 gauge formed steel legs, painted.		
12 55 13 00-0017 EA 27" Wide x 80" Long x 52" High Double Bunk.....	390.76	66.07
12 55 13 00-0018 EA 32" Wide x 80" Long x 52" High Double Bunk.....	396.07	66.07
12 55 13 00-0019 EA 38" Wide x 80" Long x 52" High Double Bunk.....	418.61	66.07
<b>12 55 13 00-0020</b> <b>Non-Removable Storage Drawers For Bunks/Beds</b> <small>(12 55 13)</small> Note: 14 Gauge drawer with 10 gauge formed steel guides, painted.		
12 55 13 00-0021 EA 16" Long x 15" Wide x 7.75" Deep Non Removable Storage Drawer.....	101.26	24.78
12 55 13 00-0022 EA 24" Long x 23" Wide x 10" Deep Non Removable Storage Drawer.....	157.61	26.43
<b>12 55 13 00-0023</b> <b>Expanded Metal Convertible Beds</b> <small>(12 55 13)</small> Note: 1/2" #13 Flattened expanded metal pans, welded inside 2" x 1-1/2" x 3/16" angle iron frames, 10 gauge formed steel legs with floor mount, 1-1/2" 10 gauge bracing between leg assembly and frame.		
12 55 13 00-0024 EA 27" Wide x 80" Long x 24" High Expanded Metal Convertible Bed.....	231.01	49.55
12 55 13 00-0025 EA 32" Wide x 80" Long x 24" High Expanded Metal Convertible Bed.....	242.01	49.55
12 55 13 00-0026 EA 38" Wide x 80" Long x 24" High Expanded Metal Convertible Bed.....	253.00	49.55
12 55 13 00-0027 EA Adapter Kit For Converting Single Bed To Double Deck.....	33.00	
<b>12 55 16</b> <b>Detention Desks</b> <small>(12 55)</small>		
<b>12 55 16 00-0001</b> <b>Heavy Duty Desk With Swing Arm Seat</b> <small>(12 55 16)</small> Note: Includes 12" diameter 11 gauge stainless steel seat, cast iron swing arm, 10 gauge shelves, stainless steel towel bar, 10 gauge steel foot rest, painted.		
12 55 16 00-0002 EA 36.5" Long x 15.5" Deep x 30" High Desk With Swing Arm Seat, 10 Gauge Steel Top.....	736.71	52.85
12 55 16 00-0003 EA 36.5" Long x 15.5" Deep x 30" High Desk With Swing Arm Seat, 11 Gauge Stainless Steel Top.....	940.66	52.85
<b>12 55 19</b> <b>Detention Stools</b> <small>(12 55)</small>		
<b>12 55 19 00-0001</b> <b>Heavy Duty Steel Bench</b> <small>(12 55 19)</small> Note: 10 Gauge formed steel seat with rounded corners and edges, painted.		
12 55 19 00-0002 EA 48" Long x 18" High x 12" Wide Steel Bench.....	210.62	39.64
12 55 19 00-0003 EA 72" Long x 18" High x 12" Wide Steel Bench.....	251.69	42.94
12 55 19 00-0004 EA 96" Long x 18" High x 12" Wide Steel Bench.....	278.12	46.25
<b>12 55 19 00-0005</b> <b>Stationary Stools</b> <small>(12 55 19)</small> Note: 12" Diameter 11 gauge stainless steel seat, 18" high, 2" schedule 40 steel pipe with welded 6" x 6" 10 gauge steel base plate bolted to floor.		
12 55 19 00-0006 EA 12" Diameter Stainless Steel Stationary Stool, 18" High.....	166.15	39.64
<b>12 55 19 00-0007</b> <b>Cell Bench</b> <small>(12 55 19)</small> Note: 1-3/4" Thick red oak bench top, polyurethane finish.		
12 55 19 00-0008 EA 48" Long x 12" Wide Cell Bench, Red Oak.....	199.76	39.71
12 55 19 00-0009 EA 72" Long x 12" Wide Cell Bench, Red Oak.....	237.98	42.94
12 55 19 00-0010 EA 96" Long x 12" Wide Cell Bench, Red Oak.....	262.77	46.25
<b>12 55 23</b> <b>Detention Tables</b> <small>(12 55)</small>		
<b>12 55 23 00-0001</b> <b>Wall Mounted Table And Seat Set</b> <small>(12 55 23)</small> Note: 7 Gauge steel, painted.		
12 55 23 00-0002 EA 18" x 12" Wall Mounted Table And Seat Set.....	183.49	28.08
<b>12 55 23 00-0003</b> <b>Heavy Duty Picnic Style Table</b> <small>(12 55 23)</small> Note: 10 Gauge steel, painted.		



<b>Furnishings</b>	<b>12</b>	<b>12</b>
Furniture	12 50	
Detention Furniture	12 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 55 23 00-0004 EA 48" Long x 50" Wide x 30" High Steel Picnic - Style Table .....	530.11	49.55
12 55 23 00-0005 EA 72" Long x 50" Wide x 30" High Steel Picnic - Style Table .....	669.31	52.85
12 55 23 00-0006 EA 96" Long x 50" Wide x 30" High Steel Picnic - Style Table .....	745.53	57.81
<b>12 55 23 00-0007 Heavy Duty Picnic Style Table</b> <small>(12 55 23)</small>		
Note: 11 Gauge stainless steel top and benches with 10 gauge steel table base parts, painted.		
12 55 23 00-0008 EA 48" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table .....	894.76	49.55
12 55 23 00-0009 EA 72" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table .....	1,266.02	52.85
12 55 23 00-0010 EA 96" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table .....	1,342.24	57.81
<b>12 55 23 00-0011 Heavy Duty Pedestal Style Table</b> <small>(12 55 23)</small>		
Note: 10 Gauge steel table top with 11 gauge stainless steel, 12" diameter table seats, painted.		
12 55 23 00-0012 EA 24" Long x 59" Wide x 30" High Steel Pedestal Table .....	467.14	41.30
12 55 23 00-0013 EA 65" Long x 65" Wide x 30" High Steel Pedestal Table .....	745.57	44.60
12 55 23 00-0014 EA 65" Long x 87" Wide x 30" High Steel Pedestal Table .....	1,093.67	49.55
12 55 23 00-0015 EA 12" Diameter Stainless Steel Replacement Seat .....	38.45	6.61
<b>12 55 23 00-0016 Heavy Duty Pedestal Style Table</b> <small>(12 55 23)</small>		
Note: 11 Gauge stainless steel table top with 11 gauge stainless steel, 12" diameter table seats, painted.		
12 55 23 00-0017 EA 24" Long x 59" Wide x 30" High Stainless Steel Pedestal Table .....	579.85	41.30
12 55 23 00-0018 EA 65" Long x 65" Wide x 30" High Stainless Steel Pedestal Table .....	984.26	44.60
12 55 23 00-0019 EA 65" Long x 87" Wide x 30" High Stainless Steel Pedestal Table .....	1,418.54	49.55
12 55 23 00-0020 EA 12" Diameter Gray-Primed Steel Replacement Seats .....	28.54	6.61
<b>12 55 26 Detention Safety Clothes Hooks</b> <small>(12 55)</small>		
12 55 26 00-0001 EA Collapsible Clothes Hook, Screw Type .....	36.27	9.97
12 55 26 00-0002 EA Collapsible Clothes Hook, Weld-On Type .....	40.88	13.21
12 55 26 00-0003 EA 8" x 18" Storage Shelf .....	200.23	26.43
Note: With four collapsible clothes hooks on 11" x 18" back plate, welded steel plates, anchors.		
<b>12 55 86 Detention Control Room Furniture</b> <small>(12 55)</small>		
12 55 86 00-0001 EA TV Wall Mount, 22-1/4" Wide x 13-1/2" Deep Tray, Single-Arm .....	157.05	37.38
<b>12 56 Institutional Furniture</b> <small>(12 56)</small>		
<b>12 56 53 Laboratory Furniture</b> <small>(12 56)</small>		
12 56 53 00-0001 Steel Laboratory Furniture <small>(12 56 53)</small>		
12 56 53 00-0002 Modular Steel Laboratory Cabinets <small>(12 56 53 00-0001)</small>		
12 56 53 00-0003 29-3/8" High x 21-5/8" Deep, Modular Steel Laboratory Base Cabinets <small>(12 56 53 00-0002)</small>		
12 56 53 00-0004 EA 15" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	687.46	33.95
12 56 53 00-0005 EA 18" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	685.94	33.95
12 56 53 00-0006 EA 21" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	750.26	37.05
12 56 53 00-0007 EA 24" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	708.95	37.05
12 56 53 00-0008 EA 30" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	847.03	41.81
12 56 53 00-0009 EA 36" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	874.18	43.18
12 56 53 00-0010 EA 42" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	964.15	47.63
12 56 53 00-0011 EA 48" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	1,001.50	49.47
12 56 53 00-0012 EA 15" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet .....	972.64	48.02
12 56 53 00-0013 EA 18" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet .....	976.04	48.21
12 56 53 00-0014 EA 21" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet .....	1,032.06	50.97
12 56 53 00-0015 EA 24" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet .....	1,009.97	49.87
12 56 53 00-0016 EA 30" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet .....	1,349.50	66.64
12 56 53 00-0017 EA 36" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet .....	1,374.84	67.90
12 56 53 00-0018 EA 42" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet .....	1,517.52	74.94
12 56 53 00-0019 EA 48" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet .....	1,541.38	76.11
12 56 53 00-0020 EA 18" Wide x 29-3/8" High x 21-5/8" Deep, 2 Drawer, Modular Steel Laboratory Base Cabinet .....	1,412.35	69.74
12 56 53 00-0021 EA 21" Wide x 29-3/8" High x 21-5/8" Deep, 2 Drawer, Modular Steel Laboratory Base Cabinet .....	1,571.80	77.65
12 56 53 00-0022 EA 24" Wide x 29-3/8" High x 21-5/8" Deep, 2 Drawer, Modular Steel Laboratory Base Cabinet .....	1,519.78	77.65
12 56 53 00-0023 EA 15" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet .....	1,427.32	70.34
12 56 53 00-0024 EA 18" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet .....	1,413.56	70.34
12 56 53 00-0025 EA 21" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet .....	1,527.71	75.45
12 56 53 00-0026 EA 24" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet .....	1,515.49	75.33
12 56 53 00-0027 EA 30" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet .....	1,659.89	81.89
12 56 53 00-0028 EA 36" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet .....	1,709.32	84.40
12 56 53 00-0029 EA 42" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet .....	1,870.52	92.34
12 56 53 00-0030 EA 48" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet .....	1,914.55	94.54
12 56 53 00-0031 EA 15" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet .....	1,597.33	78.87
12 56 53 00-0032 EA 18" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet .....	1,502.27	74.19
12 56 53 00-0033 EA 21" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet .....	1,697.45	83.82
12 56 53 00-0034 EA 24" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet .....	1,614.28	79.73
12 56 53 00-0035 EA 15" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	1,811.25	89.44
12 56 53 00-0036 EA 18" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	1,811.25	89.44

## 12 Furnishings

## 12 50 Furniture

## 12 56 Institutional Furniture



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 56 53 00-0037	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	1,982.51	97.89
12 56 53 00-0038	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	1,911.35	94.39
12 56 53 00-0039	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	2,220.28	109.64
12 56 53 00-0040	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	2,229.46	109.68
12 56 53 00-0041	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	2,420.60	119.54
12 56 53 00-0042	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	2,444.36	120.72
12 56 53 00-0043	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet .....	2,717.65	134.20
12 56 53 00-0044	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet .....	2,802.53	138.39
12 56 53 00-0045	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet .....	2,643.20	138.32
12 56 53 00-0046	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet .....	2,970.52	146.69
12 56 53 00-0047	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet .....	2,902.64	143.35
12 56 53 00-0048	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet .....	1,290.07	63.70
12 56 53 00-0049	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet .....	1,251.82	63.85
12 56 53 00-0050	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet .....	1,346.07	66.45
12 56 53 00-0051	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet .....	1,307.83	66.45
12 56 53 00-0052	EA	32-7/8" Wide x 29-3/8" High x 21-5/8" Deep, Standard Corner, Modular Steel Laboratory Base Cabinet .....	1,807.77	89.28
12 56 53 00-0053	EA	32-7/8" Wide x 29-3/8" High x 21-5/8" Deep, Hexagon Corner, Modular Steel Laboratory Base Cabinet .....	1,563.35	77.18

## 12 56 53 00-0054 35-1/4" High x 21-5/8" Deep, Modular Steel Laboratory Base Cabinets (12 56 53

12 56 53 00-0055	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	719.72	35.56
12 56 53 00-0056	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	715.13	35.56
12 56 53 00-0057	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	760.47	37.57
12 56 53 00-0058	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	735.00	36.35
12 56 53 00-0059	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	870.79	43.03
12 56 53 00-0060	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	913.23	44.99
12 56 53 00-0061	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	974.33	48.14
12 56 53 00-0062	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet .....	1,011.68	50.10
12 56 53 00-0063	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet .....	1,020.17	50.30
12 56 53 00-0064	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet .....	1,020.17	50.30
12 56 53 00-0065	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet .....	1,082.98	53.44
12 56 53 00-0066	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet .....	1,066.29	54.22
12 56 53 00-0067	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet .....	1,413.98	69.74
12 56 53 00-0068	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet .....	1,451.32	71.52
12 56 53 00-0069	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet .....	1,559.98	77.02
12 56 53 00-0070	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet .....	1,595.61	78.79
12 56 53 00-0071	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, Tilt-Out Door With Removable Bin, Modular Steel Laboratory Base Cabinet .....	1,571.85	77.61
12 56 53 00-0072	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, Tilt-Out Door With Removable Bin, Modular Steel Laboratory Base Cabinet .....	1,615.99	79.77
12 56 53 00-0073	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet .....	1,724.55	85.07
12 56 53 00-0074	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet .....	1,863.71	91.96
12 56 53 00-0075	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet .....	1,850.04	91.96
12 56 53 00-0076	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet .....	1,695.75	83.50
12 56 53 00-0077	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet .....	844.43	83.90
12 56 53 00-0078	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet .....	1,782.33	88.02
12 56 53 00-0079	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet .....	1,750.20	88.02
12 56 53 00-0080	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet .....	1,963.96	96.98
12 56 53 00-0081	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet .....	2,042.05	100.84
12 56 53 00-0082	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet .....	2,169.13	107.12
12 56 53 00-0083	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet .....	2,220.28	109.64
12 56 53 00-0084	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	1,807.87	89.20
12 56 53 00-0085	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	1,931.68	95.29
12 56 53 00-0086	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	1,943.51	95.88
12 56 53 00-0087	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	2,018.26	99.62
12 56 53 00-0088	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	2,330.62	115.14
12 56 53 00-0089	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	2,410.38	119.06
12 56 53 00-0090	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	2,530.86	124.96
12 56 53 00-0091	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet .....	2,532.64	124.96
12 56 53 00-0092	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet .....	2,831.38	139.90
12 56 53 00-0093	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet .....	2,855.04	140.88
12 56 53 00-0094	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet .....	2,913.00	143.82
12 56 53 00-0095	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet .....	3,072.26	151.88
12 56 53 00-0096	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet .....	3,082.29	152.27
12 56 53 00-0097	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet .....	3,126.75	154.39
12 56 53 00-0098	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet .....	3,274.38	161.70
12 56 53 00-0099	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet .....	3,337.17	164.80
12 56 53 00-0100	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet .....	3,422.05	168.97
12 56 53 00-0101	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet .....	3,515.50	173.61
12 56 53 00-0102	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet .....	1,317.26	65.03
12 56 53 00-0103	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet .....	1,340.94	66.22
12 56 53 00-0104	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet .....	1,346.07	66.41
12 56 53 00-0105	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet .....	1,376.56	67.98
12 56 53 00-0106	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet .....	1,811.25	89.44
12 56 53 00-0107	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet .....	1,865.59	92.11
12 56 53 00-0108	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet .....	1,997.86	98.67
12 56 53 00-0109	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet .....	2,026.68	100.00
12 56 53 00-0110	EA	32-7/8" Wide x 35-1/4" High x 21-5/8" Deep, Standard Corner, Modular Steel Laboratory Base Cabinet .....	1,879.21	92.74
12 56 53 00-0111	EA	32-7/8" Wide x 35-1/4" High x 21-5/8" Deep, Hexagon Corner, Modular Steel Laboratory Base Cabinet .....	1,743.46	86.06
12 56 53 00-0112	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet .....	925.11	45.70
12 56 53 00-0113	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet .....	937.00	46.25



<b>Furnishings</b>	<b>12</b>
Furniture	12 50
Institutional Furniture	12 56

12

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0114 EA 21" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet.....	976.04	48.14
12 56 53 00-0115 EA 24" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet.....	979.43	48.33
12 56 53 00-0116 EA 30" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet.....	1,281.59	63.31
12 56 53 00-0117 EA 36" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet.....	1,310.45	64.72
12 56 53 00-0118 EA 42" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet.....	1,397.00	68.96
12 56 53 00-0119 EA 48" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet.....	1,402.10	69.24
12 56 53 00-0120 EA 52" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet.....	1,619.36	79.96
12 56 53 00-0121 EA 58" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet.....	1,782.33	88.02
12 56 53 00-0122 EA 60" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet.....	1,863.81	92.03
<b>12 56 53 00-0123 25-3/16" High x 16" Deep, Modular Steel Laboratory Wall Cabinets (12 56 53 00-0002)</b>		
12 56 53 00-0124 EA 15" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	684.08	33.80
12 56 53 00-0125 EA 18" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	706.13	34.85
12 56 53 00-0126 EA 21" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	711.23	35.13
12 56 53 00-0127 EA 24" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	729.91	36.04
12 56 53 00-0128 EA 30" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	763.86	37.72
12 56 53 00-0129 EA 36" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	780.82	38.55
12 56 53 00-0130 EA 42" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	850.43	42.01
12 56 53 00-0131 EA 48" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	860.62	42.48
12 56 53 00-0132 EA 15" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,011.68	49.95
12 56 53 00-0133 EA 18" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,037.15	51.20
12 56 53 00-0134 EA 21" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,060.91	52.38
12 56 53 00-0135 EA 24" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,082.98	53.48
12 56 53 00-0136 EA 30" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,317.24	65.03
12 56 53 00-0137 EA 36" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,334.21	65.90
12 56 53 00-0138 EA 42" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,454.72	71.83
12 56 53 00-0139 EA 48" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,459.81	72.11
12 56 53 00-0140 EA 15" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,183.12	58.43
12 56 53 00-0141 EA 18" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,222.18	60.36
12 56 53 00-0142 EA 21" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,242.52	61.34
12 56 53 00-0143 EA 24" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,264.60	62.45
12 56 53 00-0144 EA 30" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,772.15	87.52
12 56 53 00-0145 EA 36" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,807.80	89.28
12 56 53 00-0146 EA 42" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,913.02	94.47
12 56 53 00-0147 EA 48" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,946.98	96.15
12 56 53 00-0148 EA 25-23/32" Wide x 25-3/16" High x 16" Deep, Corner 18" Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,619.36	79.96
12 56 53 00-0149 EA 28-23/32" Wide x 25-3/16" High x 16" Deep, Corner 18" Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,792.52	88.53
12 56 53 00-0150 EA 30" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet.....	1,370.66	65.03
12 56 53 00-0151 EA 36" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet.....	1,388.32	65.90
12 56 53 00-0152 EA 42" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet.....	1,513.72	71.83
12 56 53 00-0153 EA 48" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet.....	1,519.01	72.07
12 56 53 00-0154 EA 30" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet.....	1,844.02	87.52
12 56 53 00-0155 EA 36" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet.....	1,881.12	89.28
12 56 53 00-0156 EA 42" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet.....	1,990.61	94.47
12 56 53 00-0157 EA 48" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet.....	2,025.94	96.15
<b>12 56 53 00-0158 31" High x 16" Deep, Modular Steel Laboratory Wall Cabinets (12 56 53 00-0002)</b>		
12 56 53 00-0159 EA 15" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	746.89	36.94
12 56 53 00-0160 EA 18" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	768.95	37.92
12 56 53 00-0161 EA 21" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	772.35	38.12
12 56 53 00-0162 EA 24" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	780.82	38.51
12 56 53 00-0163 EA 30" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	830.06	41.07
12 56 53 00-0164 EA 36" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	853.82	42.05
12 56 53 00-0165 EA 42" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,013.38	50.10
12 56 53 00-0166 EA 48" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet.....	1,035.46	51.08
12 56 53 00-0167 EA 15" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,054.12	52.07
12 56 53 00-0168 EA 18" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,081.28	53.44
12 56 53 00-0169 EA 21" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,099.95	54.43
12 56 53 00-0170 EA 24" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,152.57	56.78
12 56 53 00-0171 EA 30" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,424.18	70.34
12 56 53 00-0172 EA 36" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,444.53	71.33
12 56 53 00-0173 EA 42" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,605.78	79.38
12 56 53 00-0174 EA 48" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,638.03	80.95
12 56 53 00-0175 EA 15" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,254.41	61.89
12 56 53 00-0176 EA 18" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,291.78	63.66
12 56 53 00-0177 EA 21" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,310.43	64.65
12 56 53 00-0178 EA 24" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,344.39	66.41
12 56 53 00-0179 EA 30" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,829.86	90.18
12 56 53 00-0180 EA 36" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,882.48	92.94
12 56 53 00-0181 EA 42" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,193.09	108.26
12 56 53 00-0182 EA 48" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,098.43	96.08
12 56 53 00-0183 EA 25-23/32" Wide x 31" High x 16" Deep, Corner 18" Solid Swinging Door, Modular Steel Laboratory Wall Cabinet.....	1,792.49	88.61
12 56 53 00-0184 EA 25-23/32" Wide x 31" High x 16" Deep, Corner 18" Glass Swinging Door, Modular Steel Laboratory Wall Cabinet.....	2,133.70	105.51
12 56 53 00-0185 EA 30" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet.....	1,481.94	70.34
12 56 53 00-0186 EA 36" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet.....	1,503.12	71.33
12 56 53 00-0187 EA 42" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet.....	1,670.91	79.29
12 56 53 00-0188 EA 48" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet.....	1,704.46	80.88

**12 Furnishings****12 50 Furniture****12 56 Institutional Furniture**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0189 EA 30" Wide x 31" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet.....	1,904.07	90.38
12 56 53 00-0190 EA 36" Wide x 31" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet.....	1,958.83	92.97
12 56 53 00-0191 EA 42" Wide x 31" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet.....	2,282.03	108.30
12 56 53 00-0192 EA 48" Wide Glass Sliding Door Cases.....	2,184.21	96.15
<b>12 56 53 00-0193 Wood Laboratory Furniture</b> <small>(12 56 53)</small>		
Note: Laboratory Grade with chemical resistant finish, premium quality mill-made modular units, prefinished with solid 3/4" hardwood face frames, solid 3/4" hardwood door frames and drawer fronts, hardwood veneer on raised door panels (front and back), glued mortise, dowel, and dado joint construction, full backs, mitered corners and solid wood drawer bodies with steel guides and ball bearings. Includes self-closing hinges, door and drawer pulls, mounting hardware and adjustable shelves.		
<b>12 56 53 00-0194 Wood Laboratory Cabinets</b> <small>(12 56 53 00-0193)</small>		
<b>12 56 53 00-0195 28-1/2" High x 21-1/2" Deep, Wood Laboratory Base Cabinets</b> <small>(12 56 53 00-0194)</small>		
12 56 53 00-0196 EA 15" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet.....	262.02	31.04
12 56 53 00-0197 EA 18" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet.....	270.52	32.02
12 56 53 00-0198 EA 21" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet.....	279.01	33.01
12 56 53 00-0199 EA 24" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet.....	287.51	34.18
12 56 53 00-0200 EA 30" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet.....	319.39	37.92
12 56 53 00-0201 EA 36" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet.....	340.63	40.28
12 56 53 00-0202 EA 42" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet.....	356.21	42.05
12 56 53 00-0203 EA 48" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet.....	375.33	44.40
12 56 53 00-0204 EA 15" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet.....	318.68	37.72
12 56 53 00-0205 EA 18" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet.....	330.01	39.10
12 56 53 00-0206 EA 21" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet.....	337.09	39.88
12 56 53 00-0207 EA 24" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet.....	346.29	41.07
12 56 53 00-0208 EA 30" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet.....	445.46	52.65
12 56 53 00-0209 EA 36" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet.....	472.99	56.00
12 56 53 00-0210 EA 42" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet.....	488.64	57.76
12 56 53 00-0211 EA 48" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet.....	507.83	60.12
12 56 53 00-0212 EA 15" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet.....	468.04	55.41
12 56 53 00-0213 EA 18" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet.....	484.46	57.37
12 56 53 00-0214 EA 21" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet.....	497.14	58.95
12 56 53 00-0215 EA 24" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet.....	514.16	60.71
12 56 53 00-0216 EA 15" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet.....	475.90	56.19
12 56 53 00-0217 EA 18" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet.....	495.02	58.75
12 56 53 00-0218 EA 21" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet.....	509.18	60.32
12 56 53 00-0219 EA 24" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet.....	525.49	62.28
12 56 53 00-0220 EA 30" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet.....	744.32	88.02
12 56 53 00-0221 EA 36" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet.....	788.89	93.32
12 56 53 00-0222 EA 42" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet.....	805.16	95.29
12 56 53 00-0223 EA 48" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet.....	837.05	99.02
12 56 53 00-0224 EA 30" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet.....	852.64	100.80
12 56 53 00-0225 EA 36" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet.....	892.29	105.70
12 56 53 00-0226 EA 42" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet.....	918.46	108.84
12 56 53 00-0227 EA 48" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet.....	950.36	112.59
12 56 53 00-0228 EA 15" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet.....	352.67	41.85
12 56 53 00-0229 EA 18" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet.....	365.42	43.42
12 56 53 00-0230 EA 21" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet.....	373.21	44.21
12 56 53 00-0231 EA 24" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet.....	383.83	45.38
12 56 53 00-0232 EA 30" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base Cabinet.....	569.37	67.39
12 56 53 00-0233 EA 36" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base Cabinet.....	595.58	70.50
12 56 53 00-0234 EA 42" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base Cabinet.....	612.56	72.50
12 56 53 00-0235 EA 48" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base Cabinet.....	634.53	75.10
12 56 53 00-0236 EA 35" Wide x 28-1/2" High x 21-1/2" Deep, Diagonal Corner, Wood Laboratory Base Cabinet.....	743.58	88.02
12 56 53 00-0237 EA 35" Wide x 28-1/2" High x 21-1/2" Deep, Diagonal Corner With Lazy Susan, Wood Laboratory Base Cabinet.....	824.29	97.65
12 56 53 00-0238 EA 15" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet.....	290.35	34.39
12 56 53 00-0239 EA 18" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet.....	299.56	35.44
12 56 53 00-0240 EA 21" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet.....	305.22	36.11
12 56 53 00-0241 EA 24" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet.....	312.30	36.98
12 56 53 00-0242 EA 30" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet.....	400.11	47.35
12 56 53 00-0243 EA 36" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet.....	420.65	49.78
12 56 53 00-0244 EA 42" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet.....	432.70	51.20
12 56 53 00-0245 EA 48" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet.....	445.44	52.73
<b>12 56 53 00-0246 35-3/4" High x 22" Deep, Wood Laboratory Base Cabinets</b> <small>(12 56 53 00-0194)</small>		
12 56 53 00-0247 EA 24" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet.....	459.06	54.33
12 56 53 00-0248 EA 30" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet.....	594.51	70.25
12 56 53 00-0249 EA 36" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet.....	598.74	70.86
12 56 53 00-0250 EA 48" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet.....	690.55	81.73
12 56 53 00-0251 EA 24" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet.....	752.54	89.07
12 56 53 00-0252 EA 30" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet.....	844.36	99.93
12 56 53 00-0253 EA 36" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet.....	903.22	106.90
12 56 53 00-0254 EA 48" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet.....	1,069.57	126.58
12 56 53 00-0255 EA 24" Wide x 35-3/4" High x 22" Deep, Combination Door/Drawer, Wood Laboratory Base Cabinet.....	553.22	65.30
12 56 53 00-0256 EA 30" Wide x 35-3/4" High x 22" Deep, Combination Door/Drawer, Wood Laboratory Base Cabinet.....	761.95	90.17
12 56 53 00-0257 EA 36" Wide x 35-3/4" High x 22" Deep, Combination Door/Drawer, Wood Laboratory Base Cabinet.....	792.57	93.80
12 56 53 00-0258 EA 48" Wide Base Cabinet With Combination Door/Drawer.....	885.95	104.85



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**12 56 53 00-0259 30-5/8" High x 13" Deep, Wood Laboratory Wall Cabinets** (12 56 53 00-0194)

12 56 53 00-0260	EA 15" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet.....	311.61	36.94
12 56 53 00-0261	EA 18" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet.....	323.63	38.12
12 56 53 00-0262	EA 21" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet.....	332.14	39.29
12 56 53 00-0263	EA 24" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet.....	303.10	35.75
12 56 53 00-0264	EA 30" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet.....	348.43	41.26
12 56 53 00-0265	EA 36" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet.....	377.46	44.60
12 56 53 00-0266	EA 42" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet.....	394.45	46.76
12 56 53 00-0267	EA 48" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet.....	417.83	49.32
12 56 53 00-0268	EA 15" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	342.06	40.48
12 56 53 00-0269	EA 18" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	357.63	42.43
12 56 53 00-0270	EA 21" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	915.23	444.05
12 56 53 00-0271	EA 24" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	384.54	45.38
12 56 53 00-0272	EA 30" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	502.81	59.54
12 56 53 00-0273	EA 36" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	541.76	64.05
12 56 53 00-0274	EA 42" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	566.55	67.20
12 56 53 00-0275	EA 48" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	596.28	70.54
12 56 53 00-0276	EA 15" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet.....	383.12	45.38
12 56 53 00-0277	EA 18" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet.....	398.00	47.16
12 56 53 00-0278	EA 21" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet.....	409.32	48.33
12 56 53 00-0279	EA 24" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet.....	424.90	50.30
12 56 53 00-0280	EA 30" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet.....	585.66	69.36
12 56 53 00-0281	EA 36" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet.....	623.20	73.68
12 56 53 00-0282	EA 42" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet.....	640.17	75.84
12 56 53 00-0283	EA 48" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet.....	679.13	80.36
12 56 53 00-0284	EA 30" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet.....	524.07	61.89
12 56 53 00-0285	EA 36" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet.....	565.75	67.00
12 56 53 00-0286	EA 42" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet.....	604.04	71.52
12 56 53 00-0287	EA 48" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet.....	646.53	76.63
12 56 53 00-0288	EA 30" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet.....	633.20	74.85
12 56 53 00-0289	EA 36" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet.....	672.84	79.58
12 56 53 00-0290	EA 42" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet.....	694.00	82.13
12 56 53 00-0291	EA 48" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet.....	732.23	86.64
12 56 53 00-0292	EA 23-1/2" Wide x 30-5/8" High x 13" Deep, Corner With Solid Swinging Door, Wood Laboratory Wall Cabinet.....	771.99	91.36
12 56 53 00-0293	EA 23-1/2" Wide x 30-5/8" High x 13" Deep, Corner With Glass Swinging Door, Wood Laboratory Wall Cabinet.....	803.75	95.29

**12 56 53 00-0294 30-5/8" High x 16" Deep, Wood Laboratory Wall Cabinets** (12 56 53 00-0194)

12 56 53 00-0295	EA 30" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet.....	385.25	45.59
12 56 53 00-0296	EA 36" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet.....	422.07	49.91
12 56 53 00-0297	EA 42" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet.....	442.61	52.46
12 56 53 00-0298	EA 48" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet.....	470.23	55.41
12 56 53 00-0299	EA 15" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	358.34	42.43
12 56 53 00-0300	EA 18" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	377.46	44.80
12 56 53 00-0301	EA 21" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	388.77	46.18
12 56 53 00-0302	EA 24" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	405.08	47.75
12 56 53 00-0303	EA 30" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	531.86	62.87
12 56 53 00-0304	EA 36" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	577.17	68.17
12 56 53 00-0305	EA 42" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	602.65	71.52
12 56 53 00-0306	EA 48" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet.....	636.64	75.25
12 56 53 00-0307	EA 15" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet.....	400.83	47.54
12 56 53 00-0308	EA 18" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet.....	412.87	48.92
12 56 53 00-0309	EA 21" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet.....	426.32	50.30
12 56 53 00-0310	EA 24" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet.....	448.28	53.05
12 56 53 00-0311	EA 30" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet.....	611.16	72.30
12 56 53 00-0312	EA 36" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet.....	659.32	78.01
12 56 53 00-0313	EA 42" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet.....	679.83	80.55
12 56 53 00-0314	EA 48" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet.....	723.76	85.66
12 56 53 00-0315	EA 30" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet.....	548.86	64.84
12 56 53 00-0316	EA 36" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet.....	606.82	71.91
12 56 53 00-0317	EA 42" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet.....	637.31	75.45
12 56 53 00-0318	EA 48" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet.....	681.31	80.75
12 56 53 00-0319	EA 30" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet.....	661.54	78.20
12 56 53 00-0320	EA 36" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet.....	703.29	83.11
12 56 53 00-0321	EA 42" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet.....	731.54	86.64
12 56 53 00-0322	EA 48" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet.....	771.17	91.17
12 56 53 00-0323	EA 26-1/2" Wide x 30-5/8" High x 16" Deep, Corner With Solid Swinging Door, Wood Laboratory Wall Cabinet.....	808.10	95.69
12 56 53 00-0324	EA 26-1/2" Wide x 30-5/8" High x 16" Deep, Corner With Glass Swinging Door, Wood Laboratory Wall Cabinet.....	834.17	98.83

**12 56 53 00-0325 Plastic Laminate Laboratory Furniture** (12 56 53)

**12 56 53 00-0326 Plastic Laminate Laboratory Cabinets** (12 56 53 00-0325)

**12 56 53 00-0327 28-1/2" High x 22.3" Deep, Plastic Laminate Laboratory Base Cabinet** (12 56 53 00-0326)

12 56 53 00-0328	EA 15" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet.....	514.84	31.00
12 56 53 00-0329	EA 18" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet.....	531.55	32.02
12 56 53 00-0330	EA 21" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet.....	548.24	33.01
12 56 53 00-0331	EA 24" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet.....	564.93	34.03





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0332 EA 30" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet.....	627.57	37.80
12 56 53 00-0333 EA 36" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet.....	669.30	40.32
12 56 53 00-0334 EA 42" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet.....	699.92	42.16
12 56 53 00-0335 EA 48" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet.....	737.49	44.44
12 56 53 00-0336 EA 15" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet.....	626.17	37.72
12 56 53 00-0337 EA 18" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet.....	648.43	39.06
12 56 53 00-0338 EA 21" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet.....	662.35	39.88
12 56 53 00-0339 EA 24" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet.....	680.43	40.99
12 56 53 00-0340 EA 30" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet.....	875.26	52.73
12 56 53 00-0341 EA 36" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet.....	929.44	55.96
12 56 53 00-0342 EA 42" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet.....	960.13	57.84
12 56 53 00-0343 EA 48" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet.....	997.77	60.12
12 56 53 00-0344 EA 15" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet.....	919.72	55.37
12 56 53 00-0345 EA 18" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet.....	951.84	57.37
12 56 53 00-0346 EA 21" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet.....	976.83	58.87
12 56 53 00-0347 EA 24" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,010.25	60.86
12 56 53 00-0348 EA 15" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet.....	935.09	56.31
12 56 53 00-0349 EA 18" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet.....	972.66	58.59
12 56 53 00-0350 EA 21" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,000.49	60.28
12 56 53 00-0351 EA 24" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,032.51	62.20
12 56 53 00-0352 EA 15" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet.....	763.19	37.72
12 56 53 00-0353 EA 18" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet.....	791.03	39.10
12 56 53 00-0354 EA 21" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet.....	807.97	39.88
12 56 53 00-0355 EA 24" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet.....	830.00	41.07
12 56 53 00-0356 EA 30" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,184.06	71.33
12 56 53 00-0357 EA 36" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,271.84	76.63
12 56 53 00-0358 EA 42" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,303.64	78.59
12 56 53 00-0359 EA 48" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet.....	1,366.38	82.33
12 56 53 00-0360 EA 15" Wide Cabinet, 1 Drawer Over Cupboard.....	692.96	41.74
12 56 53 00-0361 EA 18" Wide x 28-1/2" High x 22.3" Deep, 1 Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinets.....	718.01	43.27
12 56 53 00-0362 EA 21" Wide x 28-1/2" High x 22.3" Deep, 1 Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet.....	733.32	44.17
12 56 53 00-0363 EA 24" Wide x 28-1/2" High x 22.3" Deep, 1 Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet.....	754.19	45.43
12 56 53 00-0364 EA 30" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet.....	1,118.76	67.39
12 56 53 00-0365 EA 36" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet.....	1,170.25	70.50
12 56 53 00-0366 EA 42" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet.....	1,203.63	72.50
12 56 53 00-0367 EA 48" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet.....	1,246.78	75.10
12 56 53 00-0368 EA 22.3" Wide x 28-1/2" High x 22.3" Deep, Diagonal Corner, Plastic Laminate Laboratory Base Cabinet.....	1,461.09	88.02
12 56 53 00-0369 EA 22.3" Wide x 28-1/2" High x 22.3" Deep, Diagonal Corner With Lazy Susan, Plastic Laminate Laboratory Base Cabinet.....	1,619.67	97.57
12 56 53 00-0370 EA 15" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet.....	570.51	34.39
12 56 53 00-0371 EA 18" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet.....	588.60	35.44
12 56 53 00-0372 EA 21" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet.....	599.73	36.11
12 56 53 00-0373 EA 24" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet.....	613.64	36.98
12 56 53 00-0374 EA 30" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet.....	786.19	47.35
12 56 53 00-0375 EA 36" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet.....	826.54	49.78
12 56 53 00-0376 EA 42" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet.....	850.20	51.20
12 56 53 00-0377 EA 48" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet.....	875.24	52.73
<b>12 56 53 00-0378 30.6" High x 12" Deep, Plastic Laminate Laboratory Wall Cabinet (12 56 53 00-0326)</b>		
12 56 53 00-0379 EA 15" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet.....	612.26	36.90
12 56 53 00-0380 EA 18" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet.....	635.91	38.31
12 56 53 00-0381 EA 21" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet.....	652.62	39.29
12 56 53 00-0382 EA 24" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet.....	595.56	35.88
12 56 53 00-0383 EA 30" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet.....	684.63	41.26
12 56 53 00-0384 EA 36" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet.....	741.67	44.68
12 56 53 00-0385 EA 42" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet.....	775.06	46.68
12 56 53 00-0386 EA 48" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet.....	820.98	49.47
12 56 53 00-0387 EA 15" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	672.10	40.48
12 56 53 00-0388 EA 18" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	702.71	42.32
12 56 53 00-0389 EA 21" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	951.38	443.34
12 56 53 00-0390 EA 24" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	755.58	45.51
12 56 53 00-0391 EA 30" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	987.96	59.54
12 56 53 00-0392 EA 36" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,064.50	64.13
12 56 53 00-0393 EA 42" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,113.20	67.04
12 56 53 00-0394 EA 48" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,171.63	70.58
12 56 53 00-0395 EA 15" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	752.79	45.34
12 56 53 00-0396 EA 18" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	782.02	47.12
12 56 53 00-0397 EA 21" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	804.28	48.46
12 56 53 00-0398 EA 24" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	834.89	50.30
12 56 53 00-0399 EA 30" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,150.77	69.32
12 56 53 00-0400 EA 36" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,224.52	73.76
12 56 53 00-0401 EA 42" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,257.89	75.77
12 56 53 00-0402 EA 48" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,334.43	80.40
12 56 53 00-0403 EA 30" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet.....	1,029.72	62.05
12 56 53 00-0404 EA 36" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet.....	1,111.72	66.92
12 56 53 00-0405 EA 42" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet.....	1,186.91	71.48
12 56 53 00-0406 EA 48" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet.....	1,270.40	76.59
12 56 53 00-0407 EA 30" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet.....	1,244.08	74.98
12 56 53 00-0408 EA 36" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet.....	1,321.99	79.65
12 56 53 00-0409 EA 42" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet.....	1,363.65	82.13



<b>Furnishings</b>		<b>12</b>
<b>Furniture</b>		<b>12 50</b>
<b>Institutional Furniture</b>		<b>12 56</b>

12

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0410 EA 48" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet .....	1,438.78	86.64
<b>12 56 53 00-0411 30.6" High x 16" Deep, Plastic Laminate Laboratory Wall Cabinet</b> <small>(12 56 53 00-0326)</small>		
12 56 53 00-0412 EA 15" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	704.10	42.40
12 56 53 00-0413 EA 18" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	741.67	44.68
12 56 53 00-0414 EA 21" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	763.91	46.01
12 56 53 00-0415 EA 24" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	795.93	47.94
12 56 53 00-0416 EA 30" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,045.03	62.95
12 56 53 00-0417 EA 36" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,134.07	68.34
12 56 53 00-0418 EA 42" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,184.16	71.33
12 56 53 00-0419 EA 48" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,250.94	75.33
12 56 53 00-0420 EA 15" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	787.59	47.43
12 56 53 00-0421 EA 18" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	811.25	48.88
12 56 53 00-0422 EA 21" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	837.68	50.45
12 56 53 00-0423 EA 24" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	880.82	53.05
12 56 53 00-0424 EA 30" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,200.86	72.34
12 56 53 00-0425 EA 36" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,295.49	78.04
12 56 53 00-0426 EA 42" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,335.82	80.44
12 56 53 00-0427 EA 48" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet.....	1,422.11	85.66
12 56 53 00-0428 EA 30" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet.....	1,078.43	64.96
12 56 53 00-0429 EA 36" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet.....	1,192.42	71.79
12 56 53 00-0430 EA 42" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet.....	1,252.30	75.41
12 56 53 00-0431 EA 48" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet.....	1,338.66	80.67
12 56 53 00-0432 EA 30" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet.....	1,299.76	78.35
12 56 53 00-0433 EA 36" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet.....	1,381.82	83.27
12 56 53 00-0434 EA 42" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet.....	1,437.41	86.57
12 56 53 00-0435 EA 48" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet.....	1,515.30	91.29
<b>12 56 89 Cafeteria Furniture</b> <small>(12 56)</small>		
<b>12 56 89 00-0001 Cafeteria Table Wall Pocket Systems</b> <small>(12 56 89)</small>		
12 56 89 00-0002 EA Single Table Pocket System, Against-Wall.....	6,331.60	187.15
Note: System includes single wall pocket, one table (Up to 29" H x 30" W x 14' L), and two benches (Up to 17" H x 12" W x 14' L).		
12 56 89 00-0003 EA Double Table Pocket System, Against-Wall.....	10,544.41	224.58
Note: System includes double wall pocket, two tables (Up to 29" H x 30" W x 14' L), and four benches (Up to 17" H x 12" W x 14' L).		
12 56 89 00-0004 EA Single Table Pocket System, Recessed In Wall.....	6,319.90	262.01
Note: System includes single wall pocket, one table (Up to 29" H x 30" W x 14' L), and two benches (Up to 17" H x 12" W x 14' L).		
12 56 89 00-0005 EA Double Table Pocket System, Recessed In Wall.....	10,533.95	299.44
Note: System includes double wall pocket, two tables (Up to 29" H x 30" W x 14' L), and four benches (Up to 17" H x 12" W x 14' L).		
<b>12 59 Systems Furniture</b> <small>(12 50)</small>		
<b>12 59 13 Panel-Hung Component System Furniture</b> <small>(12 59)</small>		
<b>12 59 13 00-0001 Panel Hung Furniture, Office Systems</b> <small>(12 59 13)</small>		
12 59 13 00-0002 EA Acoustic Panel, 43" High, 24" Wide, NRC .85.....	308.77	
12 59 13 00-0003 EA Acoustic Panel, 43" High, 30" Wide, NRC .85.....	344.64	
12 59 13 00-0004 EA Acoustic Panel, 43" High, 36" Wide, NRC .85.....	380.74	
12 59 13 00-0005 EA Acoustic Panel, 43" High, 48" Wide, NRC .85.....	456.08	
12 59 13 00-0006 EA Acoustic Panel, 64" High, 30" Wide, NRC .85.....	409.87	
12 59 13 00-0007 EA Acoustic Panel, 64" High, 36" Wide, NRC .85.....	438.98	
12 59 13 00-0008 EA Acoustic Panel, 64" High, 42" Wide, NRC .85.....	509.46	
12 59 13 00-0009 EA Acoustic Panel, 64" High, 48" Wide, NRC .85.....	540.28	
12 59 13 00-0010 EA Acoustic Panel, 64" High, 60" Wide, NRC .85.....	591.97	
12 59 13 00-0011 EA Bookshelf, 36" Wide, 13-3/4" Depth, 8" High.....	143.10	
12 59 13 00-0012 EA Bookshelf, 42" Wide, 13-3/4" Depth, 16" High.....	150.07	
12 59 13 00-0013 EA Bookshelf, 48" Wide, 13-3/4" Depth, 8" High.....	154.29	
12 59 13 00-0014 EA Cantilever Bracket, 20" Deep, 24" Deep.....	48.01	
12 59 13 00-0015 PR Countertop Bracket, Pair.....	20.06	
12 59 13 00-0016 EA Flat Bracket, 20" Deep, 24" Wide.....	24.78	
12 59 13 00-0017 PR Worksurface Kit, Pair.....	20.06	
12 59 13 00-0018 EA Connector Kit, Ell, 43" High, 90" Deep.....	86.53	
12 59 13 00-0019 EA Connector Kit, Ell, 64" High, 90" Deep.....	50.65	
12 59 13 00-0020 EA Connector Kit, Straight, 43" High.....	35.14	
12 59 13 00-0021 EA Connector Kit, Straight, 64" High.....	36.42	
12 59 13 00-0022 EA Support Column For Peninsula, 29-1/2" High.....	124.21	
12 59 13 00-0023 EA Countertop, 15" Deep, 36" Wide.....	162.93	
12 59 13 00-0024 EA Countertop, 15" Deep, 48" Wide.....	181.72	
12 59 13 00-0025 EA Duplex Receptacle Circuit 1.....	17.74	
12 59 13 00-0026 EA Duplex Receptacle Circuit 2.....	17.74	
12 59 13 00-0027 EA Electric Power Harness, 36" Wide.....	115.76	
12 59 13 00-0028 EA Electric Power Harness, 42" Wide.....	118.72	
12 59 13 00-0029 EA Electric Power Harness, 60" Wide.....	121.68	
12 59 13 00-0030 EA Panel End Cover, 43" High.....	35.14	
12 59 13 00-0031 EA Panel End Cover, 64" High.....	35.14	

**12 Furnishings****12 50 Furniture****12 59 Systems Furniture**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

12 59 13 00-0032	EA	Finish End Cover, 2-way, Variable Height	53.18	
12 59 13 00-0033	EA	Overhead Cabinet With Door, 42" Wide	334.51	
12 59 13 00-0034	EA	Overhead Cabinet With Door, 60" Wide	507.96	
12 59 13 00-0035	EA	Pedestal Spacer, 22" Deep, 15" Wide	57.51	
12 59 13 00-0036	EA	Pedestal Spacer, 28" Deep, 15" Wide	69.43	
12 59 13 00-0037	EA	Pedestal Box, Box, File, 22" Deep, 26" High	404.60	
12 59 13 00-0038	EA	Pedestal Box, Box, File, 28" Deep, 26" High	421.88	
12 59 13 00-0039	EA	Pedestal File, File, 22" Deep, 26" High	377.17	
12 59 13 00-0040	EA	Pedestal Lateral File, 2 Drawer, 30" Wide	531.84	
12 59 13 00-0041	EA	Base In Feed Power Cable	179.99	
12 59 13 00-0042	EA	Task Light, Recessed, 30" - 36" Wide	156.92	
12 59 13 00-0043	EA	Task Light, Recessed, 42" - 48" Wide	169.69	
12 59 13 00-0044	EA	Task Light, Recessed, 60" Wide	183.60	
12 59 13 00-0045	EA	Worksurface, Radius Edge, 24" Deep, 36" Wide	168.94	
12 59 13 00-0046	EA	Worksurface, Radius Edge, 24" Deep, 42" Wide	207.47	
12 59 13 00-0047	EA	Worksurface, Radius Edge, 24" Deep, 48" Wide	221.19	
12 59 13 00-0048	EA	Worksurface, Radius Edge, 24" Deep, 60" Wide	277.76	
12 59 13 00-0049	EA	Worksurface, Radius Edge, 24" Deep, 72" Wide	313.83	
12 59 13 00-0050	EA	Worksurface, Radius Edge, 30" Deep, 42" Wide	265.92	
12 59 13 00-0051	EA	Worksurface, Radius Edge, 30" Deep, 60" Wide	310.46	
12 59 13 00-0052	EA	Worksurface, Radius Edge, 30" Deep, 72" Wide	353.29	
12 59 13 00-0053	EA	Worksurface, Radius Edge, Corner 24" Deep, 36" Wide	406.47	
12 59 13 00-0054	EA	Worksurface, Radius Edge, Corner 24" Deep, 42" Wide	461.73	
12 59 13 00-0055	EA	Worksurface, Peninsula, 36" Wide, 66" Long	531.84	

**12 59 13 00-0056 Open Office Systems Furniture Components** (12 59 13)

Note: Excludes electrical wire and wiring devices.

12 59 13 00-0057	EA	34H 24W Fabric Covered Panel - Component Systems Furniture	160.42	10.72
		For Tackable Acoustical Barrier Panel, Add	30.74	
		For Acoustical Panel, Add	33.41	
		For Enameled Surface, Deduct	-13.37	
12 59 13 00-0058	EA	34H 30W Fabric Covered Panel - Component Systems Furniture	178.30	11.93
		For Tackable Acoustical Barrier Panel, Add	34.16	
		For Acoustical Panel, Add	37.14	
		For Enameled Surface, Deduct	-14.85	
12 59 13 00-0059	EA	34H 36W Fabric Covered Panel - Component Systems Furniture	190.65	12.70
		For Tackable Acoustical Barrier Panel, Add	36.53	
		For Acoustical Panel, Add	39.71	
		For Enameled Surface, Deduct	-15.88	
12 59 13 00-0060	EA	34H 48W Fabric Covered Panel - Component Systems Furniture	213.61	14.26
		For Tackable Acoustical Barrier Panel, Add	40.93	
		For Acoustical Panel, Add	44.49	
		For Enameled Surface, Deduct	-17.80	
12 59 13 00-0061	EA	42H 24W Fabric Covered Panel - Component Systems Furniture	162.97	10.87
		For Tackable Acoustical Barrier Panel, Add	31.23	
		For Acoustical Panel, Add	33.95	
		For Enameled Surface, Deduct	-13.58	
12 59 13 00-0062	EA	42H 30W Fabric Covered Panel - Component Systems Furniture	184.24	12.28
		For Tackable Acoustical Barrier Panel, Add	35.31	
		For Acoustical Panel, Add	38.38	
		For Enameled Surface, Deduct	-15.35	
12 59 13 00-0063	EA	42H 36W Fabric Covered Panel - Component Systems Furniture	206.37	13.80
		For Tackable Acoustical Barrier Panel, Add	39.55	
		For Acoustical Panel, Add	42.99	
		For Enameled Surface, Deduct	-17.19	
12 59 13 00-0064	EA	42H 48W Fabric Covered Panel - Component Systems Furniture	242.55	16.17
		For Tackable Acoustical Barrier Panel, Add	46.48	
		For Acoustical Panel, Add	50.52	
		For Enameled Surface, Deduct	-20.21	
12 59 13 00-0065	EA	62H 12W Fabric Covered Panel - Component Systems Furniture	157.01	10.48
		For Tackable Acoustical Barrier Panel, Add	30.09	
		For Acoustical Panel, Add	32.70	
		For Enameled Surface, Deduct	-13.08	
12 59 13 00-0066	EA	62H 24W Fabric Covered Panel - Component Systems Furniture	193.19	12.90
		For Tackable Acoustical Barrier Panel, Add	37.02	
		For Acoustical Panel, Add	40.24	
		For Enameled Surface, Deduct	-16.10	
12 59 13 00-0067	EA	62H 36W Fabric Covered Panel - Component Systems Furniture	241.71	16.13
		For Tackable Acoustical Barrier Panel, Add	46.32	
		For Acoustical Panel, Add	50.34	
		For Enameled Surface, Deduct	-20.14	
12 59 13 00-0068	EA	62H 48W Fabric Covered Panel - Component Systems Furniture	289.35	19.29
		For Tackable Acoustical Barrier Panel, Add	55.45	
		For Acoustical Panel, Add	60.27	
		For Enameled Surface, Deduct	-24.11	
12 59 13 00-0069	EA	34" Draw Rod Panel Connector Hardware	8.76	0.58
12 59 13 00-0070	EA	42" Draw Rod Panel Connector Hardware	8.76	0.58
12 59 13 00-0071	EA	62" Draw Rod Panel Connector Hardware	9.35	0.62
12 59 13 00-0072	EA	34" Two-Way 90 Degree Panel Connector Hardware	40.31	2.69
12 59 13 00-0073	EA	42" Two-Way 90 Degree Panel Connector Hardware	46.72	3.12
12 59 13 00-0074	EA	62" Two-Way 90 Degree Panel Connector Hardware	53.74	3.58
12 59 13 00-0075	EA	34" Three-Way 90 Degree Panel Connector Hardware	62.50	4.17
12 59 13 00-0076	EA	42" Three-Way 90 Degree Panel Connector Hardware	72.43	4.83



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0077	EA		62" Three-Way 90 Degree Panel Connector Hardware .....	84.11	5.61
12 59 13 00-0078	EA		34" Four-Way 90 Degree Panel Connector Hardware .....	78.84	5.26
12 59 13 00-0079	EA		42" Four-Way 90 Degree Panel Connector Hardware .....	92.28	6.15
12 59 13 00-0080	EA		62" Four-Way 90 Degree Panel Connector Hardware .....	110.97	7.40
12 59 13 00-0081	EA		34" Panel End Cap Hardware .....	13.43	0.89
12 59 13 00-0082	EA		42" Panel End Cap Hardware .....	15.18	1.02
12 59 13 00-0083	EA		62" Panel End Cap Hardware .....	16.35	1.09
12 59 13 00-0084	EA		28" Variable Height Panel End Filler..... Note: Field cut to appropriate length.	14.82	1.02
12 59 13 00-0085	EA		Two-Way Trim Cover For Cable Management Raceway.....	7.63	0.50
12 59 13 00-0086	EA		Three-Way Trim Cover For Cable Management Raceway .....	8.04	0.54
12 59 13 00-0087	EA		Four-Way Trim Cover For Cable Management Raceway .....	9.32	0.62
12 59 13 00-0088	EA		Finished End Trim Cover For Cable Management Raceway .....	7.63	0.50
12 59 13 00-0089	EA		12" Cable Management Raceway Assembly .....	15.66	1.06
			Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0090	EA		24" Cable Management Raceway Assembly .....	17.79	1.17
			Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0091	EA		30" Cable Management Raceway Assembly .....	18.21	1.21
			Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0092	EA		36" Cable Management Raceway Assembly .....	20.32	1.37
			Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0093	EA		48" Cable Management Raceway Assembly .....	22.86	1.52
			Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0094	EA		24" x 36" Radiused Edge Rectangular Hanging Work Surface.....	122.97	8.19
12 59 13 00-0095	EA		30" x 36" Radiused Edge Rectangular Hanging Work Surface.....	151.48	10.10
12 59 13 00-0096	EA		24" x 48" Radiused Edge Rectangular Hanging Work Surface.....	142.97	9.54
12 59 13 00-0097	EA		30" x 48" Radiused Edge Rectangular Hanging Work Surface.....	178.73	11.93
12 59 13 00-0098	EA		24" x 60" Radiused Edge Rectangular Hanging Work Surface.....	180.42	12.04
12 59 13 00-0099	EA		30" x 60" Radiused Edge Rectangular Hanging Work Surface.....	227.24	15.19
12 59 13 00-0100	EA		24" x 72" Radiused Edge Rectangular Hanging Work Surface.....	219.13	14.61
12 59 13 00-0101	EA		30" x 72" Radiused Edge Rectangular Hanging Work Surface.....	275.30	18.35
12 59 13 00-0102	EA		30" x 60" Radiused Edge Table .....	489.06	32.65
12 59 13 00-0103	EA		30" x 72" Radiused Edge Table .....	534.43	35.69
12 59 13 00-0104	EA		14" x 24" Radiused Edge Transaction Surface .....	58.71	3.93
12 59 13 00-0105	EA		14" x 36" Radiused Edge Transaction Surface .....	66.79	4.44
12 59 13 00-0106	EA		14" x 48" Radiused Edge Transaction Surface .....	74.90	4.99
12 59 13 00-0107	EA		14" x 60" Radiused Edge Transaction Surface .....	93.18	6.23
12 59 13 00-0108	EA		14" x 72" Radiused Edge Transaction Surface .....	111.90	7.48
12 59 13 00-0109	EA		14" Right Angle Corner Transaction Surface .....	195.74	13.05
12 59 13 00-0110	EA		Transaction Surface Support .....	15.51	1.04
12 59 13 00-0111	EA		Plastic Pencil Drawer .....	17.06	1.02
12 59 13 00-0112	EA		15-1/2" x 24" Hanging Shelf.....	57.17	3.82
12 59 13 00-0113	EA		15-1/2" x 36" Hanging Shelf.....	62.25	4.13
12 59 13 00-0114	EA		15-1/2" x 48" Hanging Shelf.....	66.48	4.44
12 59 13 00-0115	EA		24" Flipper Door - Top And Front Closure .....	98.65	6.59
			Note: Used with hanging shelf.		
12 59 13 00-0116	EA		36" Flipper Door - Top And Front Closure .....	115.18	7.71
			Note: Used with hanging shelf.		
12 59 13 00-0117	EA		48" Flipper Door - Top And Front Closure .....	132.11	8.81
			Note: Used with hanging shelf.		
12 59 13 00-0118	EA		24" Suspended Lateral File, Lockable .....	340.33	22.58
12 59 13 00-0119	EA		30" Suspended Lateral File, Lockable .....	359.44	23.85
12 59 13 00-0120	EA		36" Suspended Lateral File, Lockable .....	379.27	25.16
12 59 13 00-0121	EA		48" Suspended Lateral File, Lockable .....	414.80	27.52
12 59 13 00-0122	EA		Fully Adjustable Vinyl Keyboard Tray .....	154.14	10.29
12 59 13 00-0123	EA		Palm Rest For Vinyl Keyboard Tray.....	24.12	1.64
12 59 13 00-0124	EA		24" x 36" Radiused Edge Corner Work Surface .....	194.74	13.01
12 59 13 00-0125	EA		File Drawer Organizer.....	62.68	4.17
12 59 13 00-0126	EA		Suspended Lateral File Converter Bracket .....	13.55	0.89
12 59 13 00-0127	EA		Utility Task Light .....	67.75	4.52
12 59 13 00-0128			<b>Disassemble And Store Systems Furniture Components</b> <small>(12 59 13)</small>		
12 59 13 00-0129	EA		Disassemble And Store 34H 24W Fabric Covered Panel.....	13.39	
12 59 13 00-0130	EA		Disassemble And Store 34H 30W Fabric Covered Panel.....	14.88	
12 59 13 00-0131	EA		Disassemble And Store 34H 36W Fabric Covered Panel.....	15.91	
12 59 13 00-0132	EA		Disassemble And Store 34H 48W Fabric Covered Panel.....	17.83	
12 59 13 00-0133	EA		Disassemble And Store 42H 24W Fabric Covered Panel.....	13.61	
12 59 13 00-0134	EA		Disassemble And Store 42H 30W Fabric Covered Panel.....	15.38	
12 59 13 00-0135	EA		Disassemble And Store 42H 36W Fabric Covered Panel.....	17.23	
12 59 13 00-0136	EA		Disassemble And Store 42H 48W Fabric Covered Panel.....	20.24	
12 59 13 00-0137	EA		Disassemble And Store 62H 12W Fabric Covered Panel.....	13.10	
12 59 13 00-0138	EA		Disassemble And Store 62H 24W Fabric Covered Panel.....	16.13	
12 59 13 00-0139	EA		Disassemble And Store 62H 36W Fabric Covered Panel.....	20.17	
12 59 13 00-0140	EA		Disassemble And Store 62H 48W Fabric Covered Panel.....	24.16	
12 59 13 00-0141	EA		Disassemble And Store 34" Draw Rod Panel Connector Hardware .....	0.73	
12 59 13 00-0142	EA		Disassemble And Store 42" Draw Rod Panel Connector Hardware .....	0.73	
12 59 13 00-0143	EA		Disassemble And Store 62" Draw Rod Panel Connector Hardware .....	0.78	
12 59 13 00-0144	EA		Disassemble And Store 34" Two-Way 90 Degree Panel Connector Hardware .....	3.37	
12 59 13 00-0145	EA		Disassemble And Store 42" Two-Way 90 Degree Panel Connector Hardware .....	3.90	
12 59 13 00-0146	EA		Disassemble And Store 62" Two-Way 90 Degree Panel Connector Hardware .....	4.49	
12 59 13 00-0147	EA		Disassemble And Store 34" Three-Way 90 Degree Panel Connector Hardware .....	5.22	

**12 Furnishings****12 50 Furniture****12 59 Systems Furniture**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

12 59 13 00-0148	EA	Disassemble And Store 42" Three-Way 90 Degree Panel Connector Hardware.....	6.04	
12 59 13 00-0149	EA	Disassemble And Store 62" Three-Way 90 Degree Panel Connector Hardware.....	7.02	
12 59 13 00-0150	EA	Disassemble And Store 34" Four-Way 90 Degree Panel Connector Hardware.....	6.58	
12 59 13 00-0151	EA	Disassemble And Store 42" Four-Way 90 Degree Panel Connector Hardware.....	7.70	
12 59 13 00-0152	EA	Disassemble And Store 62" Four-Way 90 Degree Panel Connector Hardware.....	9.26	
12 59 13 00-0153	EA	Disassemble And Store 34" Panel End Cap Hardware.....	1.13	
12 59 13 00-0154	EA	Disassemble And Store 42" Panel End Cap Hardware.....	1.27	
12 59 13 00-0155	EA	Disassemble And Store 62" Panel End Cap Hardware.....	1.37	
12 59 13 00-0156	EA	Disassemble And Store Variable Height Panel End Filler.....	1.24	
12 59 13 00-0157	EA	Disassemble And Store Two-Way Trim Cover For Cable Management Raceway.....	0.63	
12 59 13 00-0158	EA	Disassemble And Store Three-Way Trim Cover For Cable Management Raceway.....	0.67	
12 59 13 00-0159	EA	Disassemble And Store Four-Way Trim Cover For Cable Management Raceway.....	0.77	
12 59 13 00-0160	EA	Disassemble And Store Finished End Trim Cover For Cable Management Raceway.....	0.63	
12 59 13 00-0161	EA	Disassemble And Store 12" Cable Management Raceway Assembly.....	1.31	
12 59 13 00-0162	EA	Disassemble And Store 24" Cable Management Raceway Assembly.....	1.49	
12 59 13 00-0163	EA	Disassemble And Store 30" Cable Management Raceway Assembly.....	1.52	
12 59 13 00-0164	EA	Disassemble And Store 36" Cable Management Raceway Assembly.....	1.70	
12 59 13 00-0165	EA	Disassemble And Store 48" Cable Management Raceway Assembly.....	1.91	
12 59 13 00-0166	EA	Disassemble And Store 24" x 36" Radiused Edge Rectangular Hanging Work Surface.....	10.27	
12 59 13 00-0167	EA	Disassemble And Store 30" x 36" Radiused Edge Rectangular Hanging Work Surface.....	12.64	
12 59 13 00-0168	EA	Disassemble And Store 24" x 48" Radiused Edge Rectangular Hanging Work Surface.....	11.94	
12 59 13 00-0169	EA	Disassemble And Store 30" x 48" Radiused Edge Rectangular Hanging Work Surface.....	14.92	
12 59 13 00-0170	EA	Disassemble And Store 24" x 60" Radiused Edge Rectangular Hanging Work Surface.....	15.06	
12 59 13 00-0171	EA	Disassemble And Store 30" x 60" Radiused Edge Rectangular Hanging Work Surface.....	18.97	
12 59 13 00-0172	EA	Disassemble And Store 24" x 72" Radiused Edge Rectangular Hanging Work Surface.....	18.29	
12 59 13 00-0173	EA	Disassemble And Store 30" x 72" Radiused Edge Rectangular Hanging Work Surface.....	22.98	
12 59 13 00-0174	EA	Disassemble And Store 30" x 60" Radiused Edge Table.....	35.49	
12 59 13 00-0175	EA	Disassemble And Store 30" x 72" Radiused Edge Table.....	44.60	
12 59 13 00-0176	EA	Disassemble And Store 14" x 24" Radiused Edge Transaction Surface.....	4.90	
12 59 13 00-0177	EA	Disassemble And Store 14" x 36" Radiused Edge Transaction Surface.....	5.57	
12 59 13 00-0178	EA	Disassemble And Store 14" x 48" Radiused Edge Transaction Surface.....	6.25	
12 59 13 00-0179	EA	Disassemble And Store 14" x 60" Radiused Edge Transaction Surface.....	7.77	
12 59 13 00-0180	EA	Disassemble And Store 14" x 72" Radiused Edge Transaction Surface.....	9.34	
12 59 13 00-0181	EA	Disassemble And Store 14" Right Angle Corner Transaction Surface.....	16.34	
12 59 13 00-0182	EA	Disassemble And Store Transaction Surface Support.....	1.29	
12 59 13 00-0183	EA	Disassemble And Store Plastic Pencil Drawer.....	1.28	
12 59 13 00-0184	EA	Disassemble And Store 15-1/2" x 24" Hanging Shelf.....	4.78	
12 59 13 00-0185	EA	Disassemble And Store 15-1/2" x 36" Hanging Shelf.....	5.20	
12 59 13 00-0186	EA	Disassemble And Store 15-1/2" x 48" Hanging Shelf.....	5.55	
12 59 13 00-0187	EA	Disassemble And Store 24" Flipper Door And Shelf.....	8.24	
12 59 13 00-0188	EA	Disassemble And Store 36" Flipper Door And Shelf.....	9.61	
12 59 13 00-0189	EA	Disassemble And Store 48" Flipper Door And Shelf.....	11.03	
12 59 13 00-0190	EA	Disassemble And Store 24" Suspended Lateral File.....	28.23	
12 59 13 00-0191	EA	Disassemble And Store 30" Suspended Lateral File.....	29.81	
12 59 13 00-0192	EA	Disassemble And Store 36" Suspended Lateral File.....	31.46	
12 59 13 00-0193	EA	Disassemble And Store 48" Suspended Lateral File.....	34.40	
12 59 13 00-0194	EA	Disassemble And Store Fully Adjustable Vinyl Keyboard Tray.....	12.87	
12 59 13 00-0195	EA	Disassemble And Store 24" x 36" Radiused Edge Corner Work Surface.....	16.26	
12 59 13 00-0196	EA	Disassemble And Store Utility Task Light.....	5.65	

**12 59 13 00-0197 Reconfigure Systems Furniture Components (12 59 13)**

12 59 13 00-0198	EA	Reconfigure 34H 24W Fabric Covered Panel.....	14.28	
12 59 13 00-0199	EA	Reconfigure 34H 30W Fabric Covered Panel.....	15.87	
12 59 13 00-0200	EA	Reconfigure 34H 36W Fabric Covered Panel.....	16.96	
12 59 13 00-0201	EA	Reconfigure 34H 48W Fabric Covered Panel.....	19.01	
12 59 13 00-0202	EA	Reconfigure 42H 24W Fabric Covered Panel.....	14.50	
12 59 13 00-0203	EA	Reconfigure 42H 30W Fabric Covered Panel.....	16.40	
12 59 13 00-0204	EA	Reconfigure 42H 36W Fabric Covered Panel.....	18.36	
12 59 13 00-0205	EA	Reconfigure 42H 48W Fabric Covered Panel.....	21.58	
12 59 13 00-0206	EA	Reconfigure 62H 12W Fabric Covered Panel.....	13.98	
12 59 13 00-0207	EA	Reconfigure 62H 24W Fabric Covered Panel.....	17.20	
12 59 13 00-0208	EA	Reconfigure 62H 36W Fabric Covered Panel.....	21.51	
12 59 13 00-0209	EA	Reconfigure 62H 48W Fabric Covered Panel.....	25.75	
12 59 13 00-0210	EA	Reconfigure 34" Draw Rod Panel Connector Hardware.....	0.78	
12 59 13 00-0211	EA	Reconfigure 42" Draw Rod Panel Connector Hardware.....	0.78	
12 59 13 00-0212	EA	Reconfigure 62" Draw Rod Panel Connector Hardware.....	0.83	
12 59 13 00-0213	EA	Reconfigure 34" Two-Way 90 Degree Panel Connector Hardware.....	3.59	
12 59 13 00-0214	EA	Reconfigure 42" Two-Way 90 Degree Panel Connector Hardware.....	4.16	
12 59 13 00-0215	EA	Reconfigure 62" Two-Way 90 Degree Panel Connector Hardware.....	4.79	
12 59 13 00-0216	EA	Reconfigure 34" Three-Way 90 Degree Panel Connector Hardware.....	5.56	
12 59 13 00-0217	EA	Reconfigure 42" Three-Way 90 Degree Panel Connector Hardware.....	6.45	
12 59 13 00-0218	EA	Reconfigure 62" Three-Way 90 Degree Panel Connector Hardware.....	7.48	
12 59 13 00-0219	EA	Reconfigure 34" Four-Way 90 Degree Panel Connector Hardware.....	7.02	
12 59 13 00-0220	EA	Reconfigure 42" Four-Way 90 Degree Panel Connector Hardware.....	8.22	
12 59 13 00-0221	EA	Reconfigure 62" Four-Way 90 Degree Panel Connector Hardware.....	9.88	
12 59 13 00-0222	EA	Reconfigure 34" Panel End Cap Hardware.....	1.20	
12 59 13 00-0223	EA	Reconfigure 42" Panel End Cap Hardware.....	1.35	
12 59 13 00-0224	EA	Reconfigure 62" Panel End Cap Hardware.....	1.46	
12 59 13 00-0225	EA	Reconfigure Variable Height Panel End Filler.....	1.32	
12 59 13 00-0226	EA	Reconfigure Two-Way Trim Cover For Cable Management Raceway.....	0.67	



<b>Furnishings</b>	<b>12</b>
Furniture	12 50
Systems Furniture	12 59

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0227 EA Reconfigure Three-Way Trim Cover For Cable Management Raceway.....	0.71	
12 59 13 00-0228 EA Reconfigure Four-Way Trim Cover For Cable Management Raceway.....	0.82	
12 59 13 00-0229 EA Reconfigure Finished End Trim Cover For Cable Management Raceway.....	0.67	
12 59 13 00-0230 EA Reconfigure 12" Cable Management Raceway Assembly.....	1.40	
12 59 13 00-0231 EA Reconfigure 24" Cable Management Raceway Assembly.....	1.58	
12 59 13 00-0232 EA Reconfigure 30" Cable Management Raceway Assembly.....	1.62	
12 59 13 00-0233 EA Reconfigure 36" Cable Management Raceway Assembly.....	1.81	
12 59 13 00-0234 EA Reconfigure 48" Cable Management Raceway Assembly.....	2.03	
12 59 13 00-0235 EA Reconfigure 24" x 36" Radiused Edge Rectangular Hanging Work Surface.....	10.94	
12 59 13 00-0236 EA Reconfigure 30" x 36" Radiused Edge Rectangular Hanging Work Surface.....	13.49	
12 59 13 00-0237 EA Reconfigure 24" x 48" Radiused Edge Rectangular Hanging Work Surface.....	12.72	
12 59 13 00-0238 EA Reconfigure 30" x 48" Radiused Edge Rectangular Hanging Work Surface.....	15.91	
12 59 13 00-0239 EA Reconfigure 24" x 60" Radiused Edge Rectangular Hanging Work Surface.....	16.06	
12 59 13 00-0240 EA Reconfigure 30" x 60" Radiused Edge Rectangular Hanging Work Surface.....	20.22	
12 59 13 00-0241 EA Reconfigure 24" x 72" Radiused Edge Rectangular Hanging Work Surface.....	19.50	
12 59 13 00-0242 EA Reconfigure 30" x 72" Radiused Edge Rectangular Hanging Work Surface.....	24.50	
12 59 13 00-0243 EA Reconfigure 30" x 60" Radiused Edge Table.....	43.52	
12 59 13 00-0244 EA Reconfigure 30" x 72" Radiused Edge Table.....	47.57	
12 59 13 00-0245 EA Reconfigure 14" x 24" Radiused Edge Transaction Surface.....	5.23	
12 59 13 00-0246 EA Reconfigure 14" x 36" Radiused Edge Transaction Surface.....	5.94	
12 59 13 00-0247 EA Reconfigure 14" x 48" Radiused Edge Transaction Surface.....	6.67	
12 59 13 00-0248 EA Reconfigure 14" x 60" Radiused Edge Transaction Surface.....	8.30	
12 59 13 00-0249 EA Reconfigure 14" x 72" Radiused Edge Transaction Surface.....	9.96	
12 59 13 00-0250 EA Reconfigure 14" Right Angle Corner Transaction Surface.....	17.42	
12 59 13 00-0251 EA Reconfigure Transaction Surface Support.....	1.38	
12 59 13 00-0252 EA Reconfigure 15-1/2" x 24" Hanging Shelf.....	5.09	
12 59 13 00-0253 EA Reconfigure 15-1/2" x 36" Hanging Shelf.....	5.54	
12 59 13 00-0254 EA Reconfigure 15-1/2" x 48" Hanging Shelf.....	5.91	
12 59 13 00-0255 EA Reconfigure 24" Flipper Door And Shelf.....	8.78	
12 59 13 00-0256 EA Reconfigure 36" Flipper Door And Shelf.....	10.25	
12 59 13 00-0257 EA Reconfigure 48" Flipper Door And Shelf.....	11.76	
12 59 13 00-0258 EA Reconfigure 24" Suspended Lateral File.....	30.11	
12 59 13 00-0259 EA Reconfigure 30" Suspended Lateral File.....	31.80	
12 59 13 00-0260 EA Reconfigure 36" Suspended Lateral File.....	33.56	
12 59 13 00-0261 EA Reconfigure 48" Suspended Lateral File.....	36.70	
12 59 13 00-0262 EA Reconfigure 24" x 36" Radiused Edge Corner Work Surface.....	17.33	

**12 59 16 Free-Standing Component System Furniture (12 59)**

**12 59 16 00-0001 Furniture, Office Systems (12 59 16)**

12 59 16 00-0002 EA Desk Top, 24" Deep x 48" Wide.....	432.75	
12 59 16 00-0003 EA Desk Top, 30" Deep x 48" Wide.....	548.23	
12 59 16 00-0004 EA Desk Top, 30" Deep x 60" Wide.....	608.88	
12 59 16 00-0005 EA Desk Top, 30" Deep x 72" Wide.....	653.79	
12 59 16 00-0006 EA File, Mobile, 2-Drawer, 22" Deep.....	576.51	
12 59 16 00-0007 EA File, Suspended, 2-Drawer, 22" Deep.....	481.20	
12 59 16 00-0008 EA File, Undercounter, 2-Drawer, 22" Deep.....	548.73	
12 59 16 00-0009 EA File, Undercounter, 2 Box, 1 File, 22" Deep.....	580.61	
12 59 16 00-0010 EA Keyboard Platform With Articulating Arm.....	325.26	
12 59 16 00-0011 EA End Support Leg.....	223.40	
12 59 16 00-0012 EA Modesty Panel, 48" Wide.....	97.72	
12 59 16 00-0013 EA Modesty Panel, Return.....	106.37	
12 59 16 00-0014 EA Pencil/Utility Drawer.....	172.39	
12 59 16 00-0015 EA Privacy Screen, 48" Wide x 17-20" High.....	284.51	
12 59 16 00-0016 EA Privacy Screen, 72" Wide x 17-20" High.....	394.60	
12 59 16 00-0017 EA Printer Stand, 30" Deep x 36" Wide.....	600.42	
12 59 16 00-0018 EA Printer Stand, Universal.....	811.00	
12 59 16 00-0019 EA Paper Basket.....	71.12	
12 59 16 00-0020 EA Storage Unit With Doors, 60" Wide.....	943.81	
12 59 16 00-0021 EA Storage Unit With Doors, 72" Wide.....	1,121.86	
12 59 16 00-0022 EA Table, Peninsula, 30" x 72".....	630.36	
12 59 16 00-0023 EA Return Table, 24" x 48".....	468.51	
12 59 16 00-0024 EA Round Conference Return, 42" Diameter.....	531.84	
12 59 16 00-0025 EA Work Surface, 24" Deep x 48" Wide.....	327.94	
12 59 16 00-0026 EA Work Surface, 30" Deep x 30" Wide.....	310.46	
12 59 16 00-0027 EA Work Surface, 30" Deep x 60" Wide.....	431.28	
12 59 16 00-0028 EA Work Surface, 30" Deep x 72" Wide.....	451.60	
12 59 16 00-0029 EA Corner Bridge, 30" x 42".....	484.53	
12 59 16 00-0030 EA Peninsula, 30" x 60".....	679.40	
12 59 16 00-0031 EA Connector Plate.....	17.75	

**12 59 16 00-0032 Steelcase Systems Furniture (12 59 16)**

12 59 16 00-0033 EA Standard Workstation, Type 1, Components Only (Steelcase TYP 1 COMP LH/RH).....	4,012.30	
Note: Labor cost is for installation of complete workstation including components, wall panels, power kit, furniture, etc.		
12 59 16 00-0034 EA Standard Workstation, Type 2, Components Only (Steelcase TYP 2 COMP LH/RH).....	3,358.22	
Note: Labor cost is for installation of complete workstation including components, wall panels, power kit, furniture, etc.		

## 12 Furnishings

## 12 50 Furniture

## 12 59 Systems Furniture



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 16 00-0035 EA Standard Workstation, Type 3, Components Only (Steelcase TYP 3 COMP LH/RH)..... Note: Labor cost is for installation of complete workstation including components, wall panels, power kit, furniture, etc.	3,140.55	
12 59 16 00-0036 EA Standard Workstation, Type 4, Components Only (Steelcase TYP 4 COMP LH/RH)..... Note: Labor cost is for installation of complete workstation including components, wall panels, power kit, furniture, etc.	2,550.14	
12 59 16 00-0037 EA Private Office, Type 1, Components Only (Steelcase PO-1 COMP LH/RH) ..... Note: Labor cost is for installation of complete workstation including components, wall panels, power kit, furniture, etc.	12,410.34	
12 59 16 00-0038 EA Private Office, Type 2, Components Only (Steelcase PO-2 COMP LH/RH) ..... Note: Labor cost is for installation of complete workstation including components, wall panels, power kit, furniture, etc.	8,949.07	
12 59 16 00-0039 EA Fabric/Steel Panel, 24" (Steelcase PFS-24) ..... Note: Task to be used in conjunction with standard workstation types.	301.46	
12 59 16 00-0040 EA Fabric/Steel Panel, 30" (Steelcase PFS-30) ..... Note: Task to be used in conjunction with standard workstation types.	323.02	
12 59 16 00-0041 EA Fabric/Steel Panel, 36" (Steelcase PFS-36) ..... Note: Task to be used in conjunction with standard workstation types.	342.76	
12 59 16 00-0042 EA Fabric/Steel Panel, 42" (Steelcase PFS-42) ..... Note: Task to be used in conjunction with standard workstation types.	365.77	
12 59 16 00-0043 EA Fabric/Steel Panel, 48" (Steelcase PFS-48) ..... Note: Task to be used in conjunction with standard workstation types.	388.39	
12 59 16 00-0044 EA Fabric/Steel Panel, 60" (Steelcase PFS-60) ..... Note: Task to be used in conjunction with standard workstation types.	448.05	
12 59 16 00-0045 EA Fabric/Steel Panel, 72" (Steelcase PFS-72) ..... Note: Task to be used in conjunction with standard workstation types.	509.84	
12 59 16 00-0046 EA Fabric/Fabric Panel, 24" (Steelcase PFF-24)..... Note: Task to be used in conjunction with standard workstation types.	297.15	
12 59 16 00-0047 EA Fabric/Fabric Panel, 30" (Steelcase PFF-30)..... Note: Task to be used in conjunction with standard workstation types.	317.62	
12 59 16 00-0048 EA Fabric/Fabric Panel, 36" (Steelcase PFF-36)..... Note: Task to be used in conjunction with standard workstation types.	337.38	
12 59 16 00-0049 EA Fabric/Fabric Panel, 42" (Steelcase PFF-42)..... Note: Task to be used in conjunction with standard workstation types.	360.74	
12 59 16 00-0050 EA Fabric/Fabric Panel, 48" (Steelcase PFF-48)..... Note: Task to be used in conjunction with standard workstation types.	383.72	
12 59 16 00-0051 EA Fabric/Fabric Panel, 60" (Steelcase PFF-60)..... Note: Task to be used in conjunction with standard workstation types.	442.66	
12 59 16 00-0052 EA Fabric/Fabric Panel, 72" (Steelcase PFF-72)..... Note: Task to be used in conjunction with standard workstation types.	505.53	
12 59 16 00-0053 EA Touchdown Host Desk (Steelcase TD) ..... Note: Task to be used in conjunction with standard workstation types.	1,363.43	
12 59 16 00-0054 EA Power Kit, 24" - 48" (Steelcase PK-24, 30, 36, 42 or 48)..... Note: Task to be used in conjunction with standard workstation types.	64.68	
12 59 16 00-0055 EA Power Kit, 60" - 72" (Steelcase PK-60 or 72)..... Note: Task to be used in conjunction with standard workstation types.	98.09	
12 59 16 00-0056 EA Receptacle (Steelcase RECPT)..... Note: Task to be used in conjunction with standard workstation types.	12.94	
12 59 16 00-0057 EA Base Power, 6' (Steelcase BPI-6)..... Note: Task to be used in conjunction with standard workstation types.	81.20	
12 59 16 00-0058 EA Base Power, 12' (Steelcase BPI-12)..... Note: Task to be used in conjunction with standard workstation types.	86.95	
12 59 16 00-0059 EA End Trim, 54" (Steelcase E54)..... Note: Task to be used in conjunction with standard workstation types.	93.05	
12 59 16 00-0060 EA In Line Trim, 54" (Steelcase I54)..... Note: Task to be used in conjunction with standard workstation types.	63.95	
12 59 16 00-0061 EA L Junction, 54" (Steelcase L54) ..... Note: Task to be used in conjunction with standard workstation types.	160.24	
12 59 16 00-0062 EA T Junction (Steelcase T54)..... Note: Task to be used in conjunction with standard workstation types.	160.27	
12 59 16 00-0063 EA X Junction (Steelcase X54)..... Note: Task to be used in conjunction with standard workstation types.	152.34	
12 59 16 00-0064 EA Junction Cap Aligner (Steelcase JC) ..... Note: Task to be used in conjunction with standard workstation types.	25.15	
12 59 16 00-0065 EA Junction Block, 90 Degree Corner (3) (Steelcase J90)..... Note: Task to be used in conjunction with standard workstation types.	10.78	
12 59 16 00-0066 EA Light Seal, 54" (Steelcase LS54) ..... Note: Task to be used in conjunction with standard workstation types.	7.18	
12 59 16 00-0067 EA Think Chair, Arms and Casters - Task Chair (Steelcase 46543100).....	528.82	
12 59 16 00-0068 EA Think Chair, No Arms, Casters - Conference Chair (Steelcase 46543000) .....	434.82	
12 59 16 00-0069 EA Move Chair, No Arms, No Casters (Glides) (Steelcase 490410P) .....	101.86	
12 59 16 00-0070 EA Move Chair, Arms, No Casters (Steelcase 490410CP) .....	123.86	
12 59 16 00-0071 EA Move Chair, No Arms, Casters (Steelcase 490410C) .....	175.04	
12 59 16 00-0072 EA Training Table, 60" x 20" (Akira AK6020RTC) .....	596.76	
12 59 16 00-0073 EA Conference Table, 30" x 59.75" (Steelcase BFS3060) .....	343.13	
12 59 16 00-0074 EA Conference Table, 30" x 47.75" (Steelcase BFS3048) .....	323.73	
12 59 16 00-0075 EA Round Conference Table, 36" Diameter With Base (Steelcase BFR36).....	247.19	
12 59 16 00-0076 EA Round Conference Table, 42" Diameter With Base (Steelcase BFR42).....	292.47	
12 59 16 00-0077 EA Round Conference Table, 48" Diameter With Base (Steelcase BFR48).....	307.20	
12 59 16 00-0078 EA Rectangle Conference Table, 36" x 72" (Steelcase BFR3672) .....	420.39	
12 59 16 00-0079 EA Rectangle Conference Table, 42" x 84" (Steelcase BFR4284) .....	574.86	
12 59 16 00-0080 EA Task Light (Steelcase DSLEDF) .....	153.55	
12 59 16 00-0081 EA Markerboard, 48" x 48" (Claridge S14x4LCS).....	237.97	
12 59 16 00-0082 EA Lateral File, 3 Drawer - 36" W (Steelcase RLF18363P).....	562.90	
12 59 16 00-0083 EA Tower, Open Side Shelf (Steelcase TS2TWS54RC).....	810.02	



<b>Furnishings</b>	<b>12</b>	<b>12</b>
Furniture	12 50	
Systems Furniture	12 59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 16 00-0084	EA		Tower, Closed Side (Steelcase TS2TW66LC).....	712.34	
12 59 16 00-0085	EA		Pedestal File - Mobile (Steelcase RPM2421CP) .....	456.31	
12 59 16 00-0086	EA		Wardrobe, Fixed Shelf, Coat Rod (Steelcase RWC24306DP) .....	589.02	

## 12 60 Multiple Seating <sup>(12)</sup>

### 12 61 Fixed Audience Seating <sup>(12 60)</sup>

#### 12 61 13 Upholstered Audience Seating <sup>(12 61)</sup>

##### 12 61 13 00-0001 Fixed Back Upholstered Audience Seating <sup>(12 61 13)</sup>

12 61 13 00-0002	EA	31" Seat Height, Polypropylene, Fixed Back Upholstered Audience Seating (Irwin Marquee 51.12.10.4) .....	396.73	17.49
		Note: Polypropylene surfaced back and seat with plywood backed upholstered panels. Comfort curved wood armrests. Powdered coated steel chair platform.		
		<i>For &lt;25, Add</i>	96.85	
		<i>For Epoxy Anchoring, Add</i>	11.95	
		<i>For &gt;100, Deduct</i>	-58.18	
		<i>For Table Arm Attachment, Add</i>	50.69	
		<i>For Aisle Panel, Add</i>	97.00	
12 61 13 00-0003	EA	36" Seat Height, Polypropylene, Fixed Back Upholstered Audience Seating (Irwin Saturn 22.12.00.4).....	520.29	17.49
		Note: Polypropylene surfaced back and seat with plywood backed upholstered panels. Comfort curved polymer armrests. Powdered coated steel chair platform.		
		<i>For &lt;25, Add</i>	130.22	
		<i>For Epoxy Anchoring, Add</i>	11.95	
		<i>For &gt;100, Deduct</i>	-78.23	
		<i>For Table Arm Attachment, Add</i>	50.69	
		<i>For Aisle Panel, Add</i>	97.00	

#### 12 61 16 Molded-Plastic Audience Seating <sup>(12 61)</sup>

##### 12 61 16 00-0001 Fixed Back Molded-Plastic Audience Seating <sup>(12 61 16)</sup>

12 61 16 00-0002	EA	Fixed Back Molded-Plastic Audience Seating (Irwin Patriot 30.52.36.30) .....	281.51	17.49
		Note: Impact resistant textured polypropylene seat and back. Laminate surfaced armrests. Powder coated steel chair platform.		
		<i>For &lt;25, Add</i>	65.75	
		<i>For Epoxy Anchoring, Add</i>	11.95	
		<i>For &gt;100, Deduct</i>	-39.50	
		<i>For Table Arm Attachment, Add</i>	50.69	
		<i>For Aisle Panel, Add</i>	97.00	

#### 12 61 19 Plywood/Hardwood Audience Seating <sup>(12 61)</sup>

##### 12 61 19 00-0001 Fixed Back Plywood/Hardwood Audience Seating <sup>(12 61 19)</sup>

12 61 19 00-0002	EA	Fixed Back Plywood/Hardwood Audience Seating (Irwin Crusader 1.14.86.4).....	441.06	17.49
		Note: Stained hardwood armrests, veneered plywood seat, and veneered plywood back. Powder coated steel chair platform.		
		<i>For &lt;25, Add</i>	108.82	
		<i>For Epoxy Anchoring, Add</i>	11.95	
		<i>For &gt;100, Deduct</i>	-65.37	
		<i>For Table Arm Attachment, Add</i>	50.69	
		<i>For Aisle Panel, Add</i>	97.00	

## 12 62 Portable-Audience Seating <sup>(12 60)</sup>

### 12 62 23 Portable Bleachers <sup>(12 62)</sup>

#### 12 62 23 00-0001 Metal Bleachers, Outdoor, Portable <sup>(12 62 23)</sup>

Note: Average seating is 18".

#### 12 62 23 00-0002 Non-Elevated Portable Aluminum Bleacher <sup>(12 62 23 00-0001)</sup>

12 62 23 00-0003	SEA	2 To 5 Rows, Non Elevated Portable Aluminum Bleacher Price Per Seat.....	48.81	2.59
		<i>For Each "Tip and Roll" Set (Includes Two Fixed Wheels), Add To Total Structure</i>	165.00	
		<i>For Each "Flip and Roll" Set (Includes Four Wheels), Add To Total Structure</i>	335.00	

#### 12 62 23 00-0004 Non-Elevated Portable Aluminum Bleacher <sup>(12 62 23 00-0001)</sup>

Note: Includes side and back fence.

12 62 23 00-0005	SEA	5 Rows, Non Elevated Portable Aluminum Bleacher .....	62.57	2.59
		Note: Including side and back fence.		
		<i>For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add</i>	35.00	
12 62 23 00-0006	SEA	6 To 10 Rows, Non Elevated Portable Aluminum Bleacher .....	70.89	2.72
		Note: Including side and back fence.		
		<i>For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add</i>	35.00	
12 62 23 00-0007	SEA	11 To 15 Rows, Non Elevated Portable Aluminum Bleacher.....	74.02	2.84
		Note: Including side and back fence.		
		<i>For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add</i>	35.00	



**12 Furnishings**  
**12 60 Multiple Seating**  
 12 62 Portable-Audience Seating



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 62 23 00-0008			<b>Non-Elevated Portable Aluminum Bleacher</b> <small>(12 62 23 00-0001)</small> Note: Includes side and back fence and center aisle with rails.		
12 62 23 00-0009	SEA		5 Rows, Non Elevated Portable Aluminum Bleacher ..... Note: Including side and back fence and center aisle with hand rails.	95.31	2.91
			<i>For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add</i>	35.00	
12 62 23 00-0010	SEA		6 To 10 Rows, Non Elevated Portable Aluminum Bleacher ..... Note: Including side and back fence and center aisle with hand rails.	108.48	3.06
			<i>For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add</i>	35.00	
12 62 23 00-0011	SEA		11 To 15 Rows, Non Elevated Portable Aluminum Bleacher ..... Note: Including side and back fence and center aisle with hand rails.	117.49	3.24
			<i>For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add</i>	35.00	

**12 66 Telescoping Stands** (12 60)

**12 66 13 Telescoping Bleachers** (12 66)

12 66 13 00-0001			<b>Wall Mounted Telescoping Bleachers</b> <small>(12 66 13)</small> Note: Includes column cut-outs, manual operation, 10" plastic seats and cylinder lock. Excludes self storing side rails, rear rails, rear panels or end panels. Based on gross seats. To calculate the quantity of gross seats, divide the length of the unit by 18" and then multiply by the number of rows in the unit. Do not subtract for aisles or handicap cutouts.		
12 66 13 00-0002	SEA		3 To 10 Tier Telescoping Bleacher, 24" Row Spacing ..... <i>For Aluminum Seating And Walks, Add</i> <i>For 10" Flat Plastic Seat Modules, Add</i> <i>For 10" Curved Plastic Seat Modules, Add</i> <i>For 14" Curved Plastic Seat Module, Add</i> <i>For &gt;200 To 300, Deduct</i> <i>For &gt;300 To 400, Deduct</i> <i>For &gt;400 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	163.14 64.57 15.00 18.75 22.50 -4.00 -8.00 -12.00 -16.00	7.66
12 66 13 00-0003	SEA		3 To 10 Tier Telescoping Bleacher, 25" - 26" Row Spacing ..... <i>For Aluminum Seating And Walks, Add</i> <i>For 10" Flat Plastic Seat Modules, Add</i> <i>For 10" Curved Plastic Seat Modules, Add</i> <i>For 14" Curved Plastic Seat Module, Add</i> <i>For &gt;200 To 300, Deduct</i> <i>For &gt;300 To 400, Deduct</i> <i>For &gt;400 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	187.22 74.70 15.00 18.75 22.50 -4.00 -8.00 -12.00 -16.00	9.99
12 66 13 00-0004	SEA		3 To 10 Tier Telescoping Bleacher, 28" - 30" Row Spacing ..... <i>For Aluminum Seating And Walks, Add</i> <i>For 10" Flat Plastic Seat Modules, Add</i> <i>For 10" Curved Plastic Seat Modules, Add</i> <i>For 14" Curved Plastic Seat Module, Add</i> <i>For &gt;200 To 300, Deduct</i> <i>For &gt;300 To 400, Deduct</i> <i>For &gt;400 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	213.77 85.94 15.00 18.75 22.50 -4.00 -8.00 -12.00 -16.00	10.30
12 66 13 00-0005	SEA		3 To 10 Tier Telescoping Bleacher, 31" - 33" Row Spacing ..... <i>For Aluminum Seating And Walks, Add</i> <i>For 10" Flat Plastic Seat Modules, Add</i> <i>For 10" Curved Plastic Seat Modules, Add</i> <i>For 14" Curved Plastic Seat Module, Add</i> <i>For &gt;200 To 300, Deduct</i> <i>For &gt;300 To 400, Deduct</i> <i>For &gt;400 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	233.03 93.90 15.00 18.75 22.50 -4.00 -8.00 -12.00 -16.00	10.53
12 66 13 00-0006	SEA		11 To 20 Tier Telescoping Bleacher, 24" Row Spacing ..... <i>For Aluminum Seating And Walks, Add</i> <i>For 10" Flat Plastic Seat Modules, Add</i> <i>For 10" Curved Plastic Seat Modules, Add</i> <i>For 14" Curved Plastic Seat Module, Add</i> <i>For &gt;200 To 300, Deduct</i> <i>For &gt;300 To 400, Deduct</i> <i>For &gt;400 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	168.49 66.98 15.00 18.75 22.50 -4.00 -8.00 -12.00 -16.00	7.66
12 66 13 00-0007	SEA		11 To 20 Tier Telescoping Bleacher, 25" - 26" Row Spacing ..... <i>For Aluminum Seating And Walks, Add</i> <i>For 10" Flat Plastic Seat Modules, Add</i> <i>For 10" Curved Plastic Seat Modules, Add</i> <i>For 14" Curved Plastic Seat Module, Add</i> <i>For &gt;200 To 300, Deduct</i> <i>For &gt;300 To 400, Deduct</i> <i>For &gt;400 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	197.80 79.46 15.00 18.75 22.50 -4.00 -8.00 -12.00 -16.00	9.99



<b>Furnishings</b>	<b>12</b>
Multiple Seating	12 60
Telescoping Stands	12 66

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 66 13 00-0008 SEA 11 To 20 Tier Telescoping Bleacher, 28" - 30" Row Spacing .....	228.11	10.30
For Aluminum Seating And Walks, Add	92.39	
For 10" Flat Plastic Seat Modules, Add	15.00	
For 10" Curved Plastic Seat Modules, Add	18.75	
For 14" Curved Plastic Seat Module, Add	22.50	
For >200 To 300, Deduct	-4.00	
For >300 To 400, Deduct	-8.00	
For >400 To 500, Deduct	-12.00	
For >500, Deduct	-16.00	
12 66 13 00-0009 SEA 11 To 20 Tier Telescoping Bleacher, 31" - 33" Row Spacing .....	251.30	10.53
For Aluminum Seating And Walks, Add	102.12	
For 10" Flat Plastic Seat Modules, Add	15.00	
For 10" Curved Plastic Seat Modules, Add	18.75	
For 14" Curved Plastic Seat Module, Add	22.50	
For >200 To 300, Deduct	-4.00	
For >300 To 400, Deduct	-8.00	
For >400 To 500, Deduct	-12.00	
For >500, Deduct	-16.00	
12 66 13 00-0010 SEA 21 To 30 Tier Telescoping Bleacher, 22" - 24" Row Spacing .....	173.88	7.66
For Aluminum Seating And Walks, Add	69.40	
For 10" Flat Plastic Seat Modules, Add	15.00	
For 10" Curved Plastic Seat Modules, Add	18.75	
For 14" Curved Plastic Seat Module, Add	22.50	
For >200 To 300, Deduct	-4.00	
For >300 To 400, Deduct	-8.00	
For >400 To 500, Deduct	-12.00	
For >500, Deduct	-16.00	
12 66 13 00-0011 SEA 21 To 30 Tier Telescoping Bleacher, 25" - 26" Row Spacing .....	208.39	9.99
For Aluminum Seating And Walks, Add	84.23	
For 10" Flat Plastic Seat Modules, Add	15.00	
For 10" Curved Plastic Seat Modules, Add	18.75	
For 14" Curved Plastic Seat Module, Add	22.50	
For >200 To 300, Deduct	-4.00	
For >300 To 400, Deduct	-8.00	
For >400 To 500, Deduct	-12.00	
For >500, Deduct	-16.00	
12 66 13 00-0012 SEA 21 To 30 Tier Telescoping Bleacher, 28" - 30" Row Spacing .....	242.60	10.30
For Aluminum Seating And Walks, Add	98.91	
For 10" Flat Plastic Seat Modules, Add	15.00	
For 10" Curved Plastic Seat Modules, Add	18.75	
For 14" Curved Plastic Seat Module, Add	22.50	
For >200 To 300, Deduct	-4.00	
For >300 To 400, Deduct	-8.00	
For >400 To 500, Deduct	-12.00	
For >500, Deduct	-16.00	
12 66 13 00-0013 SEA 21 To 30 Tier Telescoping Bleacher, 31" - 33" Row Spacing .....	278.50	10.53
For Aluminum Seating And Walks, Add	110.30	
For 10" Flat Plastic Seat Modules, Add	15.00	
For 10" Curved Plastic Seat Modules, Add	18.75	
For 14" Curved Plastic Seat Module, Add	22.50	
For >200 To 300, Deduct	-4.00	
For >300 To 400, Deduct	-8.00	
For >400 To 500, Deduct	-12.00	
For >500, Deduct	-16.00	
<b>12 66 13 00-0014</b> <b>Portable Telescoping Bleachers</b> <small>(12 66 13)</small>		
Note: Includes manual operation, 10" plastic seats and cylinder lock. Excludes self storing side rails, rear rails, rear panels or end panels. Based on gross seats. To calculate the quantity of gross seats, divide the length of the unit by 18" and then multiply by the number of rows in the unit. Do not subtract for aisles or handicap cutouts.		
12 66 13 00-0015 SEA 3 To 10 Tier Portable Bleacher, 24" Row Spacing.....	184.20	7.66
For Aluminum Seating And Walks, Add	74.05	
For 10" Flat Plastic Seat Modules, Add	15.00	
For 10" Curved Plastic Seat Modules, Add	18.75	
For 14" Curved Plastic Seat Module, Add	22.50	
For >200 To 300, Deduct	-4.00	
For >300 To 400, Deduct	-8.00	
For >400 To 500, Deduct	-12.00	
For >500, Deduct	-16.00	
12 66 13 00-0016 SEA 3 To 10 Tier Portable Bleacher, 25" - 26" Row Spacing .....	212.12	9.99
For Aluminum Seating And Walks, Add	85.91	
For 10" Flat Plastic Seat Modules, Add	15.00	
For 10" Curved Plastic Seat Modules, Add	18.75	
For 14" Curved Plastic Seat Module, Add	22.50	
For >200 To 300, Deduct	-4.00	
For >300 To 400, Deduct	-8.00	
For >400 To 500, Deduct	-12.00	
For >500, Deduct	-16.00	
12 66 13 00-0017 SEA 3 To 10 Tier Portable Bleacher, 28" - 30" Row Spacing .....	242.42	10.30
For Aluminum Seating And Walks, Add	98.83	
For 10" Flat Plastic Seat Modules, Add	15.00	
For 10" Curved Plastic Seat Modules, Add	18.75	
For 14" Curved Plastic Seat Module, Add	22.50	
For >200 To 300, Deduct	-4.00	
For >300 To 400, Deduct	-8.00	
For >400 To 500, Deduct	-12.00	
For >500, Deduct	-16.00	

<b>12</b>	<b>Furnishings</b>
<b>12 60</b>	<b>Multiple Seating</b>
<b>12 66</b>	<b>Telescoping Stands</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 66	13 00-0018	SEA	3 To 10 Tier Portable Bleacher, 31" - 33" Row Spacing .....	264.33	10.53
			<i>For Aluminum Seating And Walks, Add</i>	107.99	
			<i>For 10" Flat Plastic Seat Modules, Add</i>	15.00	
			<i>For 10" Curved Plastic Seat Modules, Add</i>	18.75	
			<i>For 14" Curved Plastic Seat Module, Add</i>	22.50	
			<i>For &gt;200 To 300, Deduct</i>	-4.00	
			<i>For &gt;300 To 400, Deduct</i>	-8.00	
			<i>For &gt;400 To 500, Deduct</i>	-12.00	
			<i>For &gt;500, Deduct</i>	-16.00	
12 66	13 00-0019		<b>Options And Accessories</b> <small>(12 66 13)</small>		
12 66	13 00-0020	EA	Removable Center Railing, Single Sphere.....	142.52	1.38
12 66	13 00-0021	LF	Removable Center Railing, Single Rail .....	44.82	1.38
12 66	13 00-0022	EA	Self Storing Side Railing .....	158.24	1.57
12 66	13 00-0023	LF	Rear Railing, Horizontal Or Vertical Rails .....	113.33	2.39
12 66	13 00-0024	SF	Rear Panel, Plywood With Metal Frame, Trim And Finish .....	8.52	0.40
12 66	13 00-0025	SF	End Panel, Plywood With Metal Frame, Trim And Finish.....	24.32	0.40
12 66	13 00-0026	SF	Rear Filler Panel .....	36.24	0.19
12 66	13 00-0027	EA	4' Scorer/Timer Table.....	287.02	6.68
12 66	13 00-0028	EA	8' Scorer/Timer Table.....	365.00	10.22
12 66	13 00-0029	EA	Portable Tractor For Wall Mounted Units.....	7,250.42	
12 66	13 00-0030	PR	Portable Dolly For Portable Units.....	8,132.77	
12 66	13 00-0031	SEA	For Each Additional Floor Above Or Below First Floor, Add For Installation.....	2.23	
12 66	13 00-0032	SEA	For Each Additional Floor Above Or Below First Floor, Add For Demolition .....	1.11	
12 66	13 00-0033	ROW	48" Aisle, 24" - 26" Row, With Non Slip Tread .....	104.57	11.79
			<i>For Intermediate Steps, Add</i>	10.46	
12 66	13 00-0034	ROW	48" Aisle, 28" - 33" Row, With Non Slip Tread .....	318.93	15.72
			<i>For Intermediate Steps, Add</i>	31.89	
12 66	13 00-0035	ROW	Aisle Filler Panel, 24" - 26" Row, With Non Slip Tread .....	94.36	4.92
12 66	13 00-0036	ROW	Aisle Filler Panel, 28" - 33" Row, With Non Slip Tread .....	65.52	4.92
12 66	13 00-0037	EA	Single Handicap Cutout Seating With Railing.....	450.71	14.74
12 66	13 00-0038	EA	Double Handicap Cutout Seating With Railing.....	945.57	21.61
12 66	13 00-0039	EA	Portable Operator's Handle.....	278.52	

END OF SECTION 12



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 13 Special Construction

### 13 01 Operation And Maintenance Of Special Construction <sup>(13)</sup>

#### 13 01 10 Operation And Maintenance Of Special Facility Components <sup>(13)</sup>

##### 13 01 11 Operation And Maintenance Of Swimming Pools <sup>(13 01 10)</sup>

##### 13 01 11 11 Operation And Maintenance Of Swimming Pools <sup>(13 01 11)</sup>

##### 13 01 11 11-0001 Pool Restoration Items <sup>(13 01 11 11)</sup>

13 01 11 11-0002	LF	Saw Cutting Pool Floor .....	6.17	
13 01 11 11-0003	SF	Demolish Pool Floor .....	11.21	
13 01 11 11-0004	LF	Demolish Pool Gutter Lip.....	15.70	
13 01 11 11-0005	LF	Demolish Pool Coping .....	9.34	
13 01 11 11-0006	SF	Demolish Up To 1" Thick Pool Plaster .....	5.02	
13 01 11 11-0007	LF	Install Pool Coping.....	51.02	
13 01 11 11-0008	EA	Coring For Pool Pipe Penetrations .....	261.51	
13 01 11 11-0009	EA	Coring For Pool Wall Inlets .....	89.66	
13 01 11 11-0010	EA	Coring For Pool Gutter Outlets .....	149.43	
13 01 11 11-0011	EA	Core And Demolish Pool Light Fixture.....	298.87	
13 01 11 11-0012	EA	Pool Lights.....	445.34	
13 01 11 11-0013	EA	Bond/Set Pool Anchors.....	82.91	
13 01 11 11-0014	EA	Core/Install Pool Cup Anchors.....	244.71	
13 01 11 11-0015	LF	Form Pool Gutter .....	10.46	
13 01 11 11-0016	LF	Float Pool Gutter Lip.....	15.70	
13 01 11 11-0017	LF	Theroseal Pool Gutter.....	6.33	
13 01 11 11-0018	SF	Theroseal Pool Surge Tank.....	5.06	
13 01 11 11-0019	SF	Paint Pool, Per Coat .....	0.39	
		<i>For Oil Based Paint, Add</i>	0.03	
		<i>For Epoxy Paint, Add</i>	0.06	
		<i>For Work &gt;20', Add</i>	0.06	
		<i>Note: Applied only to work area above 20'.</i>		
		<i>For Up To 100, Add</i>	0.20	
		<i>For &gt;100 To 250, Add</i>	0.10	
		<i>For &gt;250 To 500, Add</i>	0.04	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.02	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.04	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.06	
		<i>For &gt;20,000, Deduct</i>	-0.08	
13 01 11 11-0020	SF	Paint Pool, Epoxy Or Urethane Base, Per Coat.....	0.43	
		<i>For Oil Based Paint, Add</i>	0.03	
		<i>For Epoxy Paint, Add</i>	0.08	
		<i>For Work &gt;20', Add</i>	0.06	
		<i>Note: Applied only to work area above 20'.</i>		
		<i>For Up To 100, Add</i>	0.21	
		<i>For &gt;100 To 250, Add</i>	0.10	
		<i>For &gt;250 To 500, Add</i>	0.05	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.02	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.04	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.06	
		<i>For &gt;20,000, Deduct</i>	-0.09	
13 01 11 11-0021	EA	Pool Start-up.....	5,154.85	
13 01 11 11-0022	SF	Up To 1/2" Thick Troweled Pool Plaster .....	3.98	
		<i>For Radius Or Irregular Surface, Add</i>	0.83	
		<i>For Up To 25, Add</i>	0.71	
		<i>For &gt;25 To 50, Add</i>	0.41	
		<i>For &gt;50 To 150, Add</i>	0.16	
13 01 11 11-0023	SF	>1/2" To 1" Thick Troweled Pool Plaster .....	5.54	
		<i>For Radius Or Irregular Surface, Add</i>	1.20	
		<i>For Up To 25, Add</i>	1.01	
		<i>For &gt;25 To 50, Add</i>	0.58	
		<i>For &gt;50 To 150, Add</i>	0.23	
13 01 11 11-0024	SF	1" x 1" Glass Pool Tile Sheet.....	10.45	0.89
13 01 11 11-0025	SF	2" x 2" Porcelain Mosaic Pool Tile Sheet.....	12.83	0.89
13 01 11 11-0026	SF	6" x 6" Porcelain Pool Tile.....	15.83	0.89

### 13 10 Special Facility Components <sup>(13)</sup>

#### 13 11 Swimming Pools <sup>(13 10)</sup>

##### 13 11 46 Swimming Pool Accessories <sup>(13 11)</sup>

See CSI section 22 51 19 00-0043 for diatomite type filter system.

##### 13 11 46 00-0001 Diving Stand <sup>(13 11 46)</sup>

13 11 46 00-0002	EA	Diving Stand, 3 M Galvanized Steel Swimming Pool Equipment.....	16,251.07	982.39
13 11 46 00-0003	EA	Diving Stand, 3 M Stainless Steel Swimming Pool Equipment.....	17,738.46	982.39
13 11 46 00-0004	EA	Diving Stand, 1 M Galvanized Steel Swimming Pool Equipment.....	9,945.14	392.95
13 11 46 00-0005	EA	Diving Stand, 1 M Stainless Steel Swimming Pool Equipment.....	11,264.25	392.95
13 11 46 00-0006	EA	Diving Stand, 1/2 M Galvanized Steel With Stainless Steel Rails.....	3,614.33	182.33

<b>13</b>	<b>Special Construction</b>
<b>13 10</b>	<b>Special Facility Components</b>
<b>13 11</b>	<b>Swimming Pools</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 11 46 00-0007			<b>Diving Boards</b> <small>(13 11 46)</small>		
13 11 46 00-0008	EA		14' Long, Aluminum Diving Boards .....	3,355.70	145.39
			<i>For Wheel Adjuster, Add</i>	89.53	
13 11 46 00-0009	EA		14' Long, Fiberglass Diving Boards .....	1,486.51	145.39
			<i>For Wheel Adjuster, Add</i>	89.53	
13 11 46 00-0010	EA		8' Long, Fiberglass Diving Board .....	832.76	120.63
			<i>For Wheel Adjuster, Add</i>	86.78	
13 11 46 00-0011	EA		10' Long, Fiberglass Diving Board .....	1,083.26	128.89
			<i>For Wheel Adjuster, Add</i>	87.69	
13 11 46 00-0012	EA		12' Long, Fiberglass Diving Board .....	1,328.51	137.53
			<i>For Wheel Adjuster, Add</i>	88.64	
13 11 46 00-0013			<b>Heavy Duty Ladders</b> <small>(13 11 46)</small>		
13 11 46 00-0014	EA		Ladders, 2 Tread, Galvanized Steel Swimming Pool Equipment .....	869.52	56.19
13 11 46 00-0015	EA		Ladders, 2 Tread, Stainless Steel Swimming Pool Equipment .....	1,282.29	56.19
13 11 46 00-0016	EA		Ladders, 4 Tread, Galvanized Steel Swimming Pool Equipment .....	996.42	64.84
13 11 46 00-0017	EA		Ladders, 4 Tread, Stainless Steel Swimming Pool Equipment .....	1,582.71	64.84
13 11 46 00-0018			<b>Lifeguard Chair</b> <small>(13 11 46)</small>		
13 11 46 00-0019	EA		Lifeguard Chair, Galvanized Swimming Pool Equipment .....	2,064.57	145.39
13 11 46 00-0020	EA		Lifeguard Chair, Stainless Steel Swimming Pool Equipment .....	2,866.16	145.39
13 11 46 00-0021			<b>Underwater Lights</b> <small>(13 11 46)</small>		
13 11 46 00-0022	EA		Lights, Underwater, 12 Volt, With Transformer Swimming Pool Equipment .....	447.71	91.89
13 11 46 00-0023	EA		Lights, Underwater, 110 Volt, Swimming Pool Equipment .....	435.59	91.89
13 11 46 00-0024			<b>Pool Covers</b> <small>(13 11 46)</small>		
			Note: Includes cover straps and tension springs.		
13 11 46 00-0025	SF		Pool Covers, Reinforced Polyethylene .....	6.46	2.73
13 11 46 00-0026	SF		Pool Cover, Vinyl Water Tube .....	6.50	2.73
13 11 46 00-0027			<b>Slides With Water Tube</b> <small>(13 11 46)</small>		
13 11 46 00-0028	EA		Swim Pool Slide .....	2,063.62	221.03
13 11 46 00-0029			<b>Curved Slides With Water Tube</b> <small>(13 11 46)</small>		
13 11 46 00-0030	EA		8 Ft Curved With Continuous Flowing Water .....	1,303.60	300.73
13 11 46 00-0031			<b>Pool Equipment And Accessories</b> <small>(13 11 46)</small>		
13 11 46 00-0032	EA		Swim Lift, Vertical, Stainless Steel, In Pool Mount .....	4,103.96	
			Note: Spectrum #5030.		
13 11 46 00-0033	EA		Swim Lift, With Arm, Stainless Steel, Deck Mount .....	5,980.24	
			Note: Spectrum Traveler XRC #26705.		
13 11 46 00-0034	EA		Lifeguard Chair, Stainless Steel, 4 SF Platform, 3' High .....	4,717.82	147.36
			Note: Paragon #37-164 "Lookout Dual Side Mount".		
13 11 46 00-0035	EA		Lifeguard Chair, Stainless Steel, 40" x 60" Platform, 3' High .....	7,950.93	157.18
			Note: Paragon #37-164 "Lookout Platform".		
13 11 46 00-0036	EA		Lifeguard Chair, Stainless Steel, 6' High .....	5,079.58	157.18
			Note: Paragon #38-005 "OSHA Guard Chair".		
13 11 46 00-0037	EA		Lifeguard Chair, Stainless Steel, 6' High .....	4,310.65	157.18
			Note: Paragon #38-010 "Ultraflyte Guard Chair".		
13 11 46 00-0038	PR		Grab Rail, Stainless Steel, 1.90" O.D Tubing x .109" Thickness .....	846.55	39.29
			Note: Requires four anchors sockets and escutcheons. Paragon #36-070.		
13 11 46 00-0039	PR		Grab Rail, Stainless Steel, 1.90" O.D Tubing x .145" Thickness .....	959.72	39.29
			Note: Requires four anchors sockets and escutcheons. Paragon #36-075.		
13 11 46 00-0040	EA		Bronze Anchor Socket, 4" Deep For 1.90" Outside Diameter Tube .....	124.01	
13 11 46 00-0041	EA		Stainless Steel Escutcheon For 1.90" Outside Diameter Tube .....	25.27	
13 11 46 00-0042	EA		Rope Anchor .....	22.67	
13 11 46 00-0043	EA		Stanchion Post Socket .....	139.16	
13 11 46 00-0044	EA		48" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .109" Thickness .....	433.45	19.65
			Note: Requires two anchors sockets and escutcheons.		
			<i>For 3-Bend Handrail, Add</i>	13.80	
13 11 46 00-0045	EA		48" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .145" Thickness .....	511.06	19.65
			Note: Requires two anchors sockets and escutcheons.		
			<i>For 3-Bend Handrail, Add</i>	16.51	
13 11 46 00-0046	EA		60" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .109" Thickness .....	465.79	19.65
			Note: Requires two anchors sockets and escutcheons.		
			<i>For 3-Bend Handrail, Add</i>	14.93	
13 11 46 00-0047	EA		60" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .145" Thickness .....	553.09	19.65
			Note: Requires two anchors sockets and escutcheons.		
			<i>For 3-Bend Handrail, Add</i>	17.98	



<b>Special Construction</b>	<b>13</b>
<b>Special Facility Components</b>	<b>13 10</b>
Swimming Pools	13 11

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 11 46 00-0048	EA		72" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .109" Thickness ..... Note: Requires two anchors sockets and escutcheons.	502.65	19.65
			<i>For 3-Bend Handrail, Add</i>	16.22	
13 11 46 00-0049	EA		72" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .145" Thickness ..... Note: Requires two anchors sockets and escutcheons.	593.84	19.65
			<i>For 3-Bend Handrail, Add</i>	19.41	
13 11 46 00-0050	EA		1 Meter High Aluminum Diving Stand With Stainless Steel Handrail ..... Note: Requires deck anchor set and diving board.	9,867.20	392.95
13 11 46 00-0051	EA		3 Meter High Aluminum Diving Stand With Stainless Steel Handrail ..... Note: Requires deck anchor set and diving board.	19,429.48	785.92
13 11 46 00-0052	SET		Bronze Deck Anchor (Set of 8) .....	518.52	
13 11 46 00-0053	EA		16' Duraflex Diving Board .....	3,683.62	39.29
13 11 46 00-0054	EA		Pool Tube Slide, Stainless Steel Frame, 27" Polyethylene Flume ..... Note: Includes 6' tower deck height, 4' x 4' top platform, 26" wide stair assembly, non-slip deck and step treads, and observation deck clear bubble.	22,397.37	785.92

**13 12 Fountains** (13 10)

**13 12 13 Exterior Fountains** (13 12)

**13 12 13 00-0001 Fountains/Aerators** (13 12 13)

13 12 13 00-0002	EA		1/2 HP Pump, Single Phase With 100' Cord.....	2,175.99	103.10
13 12 13 00-0003	EA		3/4 HP Pump, Single Phase With 100' Cord.....	2,418.49	105.37
13 12 13 00-0004	EA		1 HP Pump, Single Phase With 100' Cord.....	2,448.51	107.92
13 12 13 00-0005	EA		1-1/2 HP Pump, Single Phase With 100' Cord.....	2,573.32	110.47
13 12 13 00-0006	EA		2 HP Pump, Single Phase With 100' Cord.....	2,698.79	113.30
13 12 13 00-0007	EA		5 HP Pump, Three Phase With 200' Cord.....	5,973.98	116.13
13 12 13 00-0008	EA		7-1/2 HP Pump, Three Phase With 200' Cord.....	6,858.03	119.24
13 12 13 00-0009	EA		10 HP Pump, Three Phase With 200' Cord.....	7,623.69	122.36
13 12 13 00-0010	EA		15 HP Pump, Three Phase With 200' Cord.....	9,692.50	125.75
13 12 13 00-0011	EA		Aerator Nozzle.....	493.69	56.65

**13 20 Special Purpose Rooms** (13)

**13 21 Controlled Environment Rooms** (13 20)

**13 21 26 Cold Storage Rooms** (13 21)

**13 21 26 13 Walk-in Coolers** (13 21 26)

See CSI section 11 41 23 00-0000 for walk-in coolers.

**13 30 Special Structures** (13)

**13 34 Fabricated Engineered Structures** (13 30)

**13 34 16 Grandstands And Bleachers** (13 34)

**13 34 16 13 Grandstands** (13 34 16)

**13 34 16 13-0001 Permanent Grandstands, Wood Seat, Steel Frame** (13 34 16 13)

**13 34 16 13-0002 3 To 15 Tiers** (13 34 16 13-0001)

13 34 16 13-0003	SEA		3-15 Tier Permanent Grandstand Price Per Seat.....	58.32	5.18
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**13 34 16 13-0004 16 To 30 Tiers** (13 34 16 13-0001)

13 34 16 13-0005	SEA		16-30 Tier Permanent Grandstand Price Per Seat.....	92.14	5.83
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**13 34 19 Metal Building Systems** (13 34)

Note: Includes material, delivery to site, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site.

**13 34 19 00-0001 Pre-Engineered Metal Buildings** (13 34 19)

Note: Free standing base buildings have a live load of 12 PSF and a wind load of 16.4 PSF (80 MPH). Includes anchoring and fasteners to concrete foundation. Includes design for foundation footings and piers. Includes a prime coated structural frame, painted steel wall panels 26 gauge, standing seam roof panels 26 gauge, roof 1 in 12 slope. Includes material, delivery to site, lifting equipment (crane) for erection, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site. Eave height is measured from the top of slab to the underside of the roof deck. Excludes foundations and slab. See CSI section 03 31 13 00-0001 for concrete slab, 03 31 13 00-0010 for concrete foundations, 13 34 19 00-0109 for metal building options.

**13 34 19 00-0002 Clear Span Rigid Frame Pre-Engineered Metal Buildings** (13 34 19 00-0001)

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

**13 34 19 00-0003 20' To 30' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings** (13 34 19 00-0002)

**13 Special Construction****13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34	19 00-0004	GSF	10' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	17.43	4.37
			For 30' To 49' In Length Only, Add	2.09	
			For 50' To 69' In Length Only, Add	1.14	
			For 70' To 99' In Length Only, Add	0.47	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.52	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.87	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.31	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.70	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.09	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.31	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.18	
			For Single Slope Frame Roof, Add	1.30	
			For Each SF Of 24 Gauge Wall Panel, Add	0.52	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.58	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0005	GSF	12' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	18.55	4.80
			For 30' To 49' In Length Only, Add	2.15	
			For 50' To 69' In Length Only, Add	1.17	
			For 70' To 99' In Length Only, Add	0.48	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.56	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.93	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.39	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.81	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.23	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.52	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.45	
			For Single Slope Frame Roof, Add	1.34	
			For Each SF Of 24 Gauge Wall Panel, Add	0.55	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.63	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0006	GSF	14' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	19.79	5.30
			For 30' To 49' In Length Only, Add	2.21	
			For 50' To 69' In Length Only, Add	1.20	
			For 70' To 99' In Length Only, Add	0.50	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.59	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.99	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.48	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.93	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.37	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.76	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.75	
			For Single Slope Frame Roof, Add	1.38	
			For Each SF Of 24 Gauge Wall Panel, Add	0.59	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.68	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0007	GSF	16' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	21.21	5.80
			For 30' To 49' In Length Only, Add	2.31	
			For 50' To 69' In Length Only, Add	1.26	
			For 70' To 99' In Length Only, Add	0.52	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.64	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.06	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.59	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.07	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.55	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.03	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.09	
			For Single Slope Frame Roof, Add	1.44	
			For Each SF Of 24 Gauge Wall Panel, Add	0.63	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.74	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0008	GSF	18' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	22.70	6.29
			For 30' To 49' In Length Only, Add	2.43	
			For 50' To 69' In Length Only, Add	1.33	
			For 70' To 99' In Length Only, Add	0.55	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.68	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.14	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.70	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.21	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.72	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.31	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.45	
			For Single Slope Frame Roof, Add	1.52	
			For Each SF Of 24 Gauge Wall Panel, Add	0.67	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.79	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0009 GSF 20' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	24.12	6.76
For 30' To 49' In Length Only, Add	2.55	
For 50' To 69' In Length Only, Add	1.39	
For 70' To 99' In Length Only, Add	0.57	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.72	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.21	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.81	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.35	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.89	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.58	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.79	
For Single Slope Frame Roof, Add	1.59	
For Each SF Of 24 Gauge Wall Panel, Add	0.71	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.84	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0010 GSF 24' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	26.97	7.75
For 30' To 49' In Length Only, Add	2.77	
For 50' To 69' In Length Only, Add	1.51	
For 70' To 99' In Length Only, Add	0.62	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.81	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.35	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	2.02	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.63	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.24	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	5.12	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	6.47	
For Single Slope Frame Roof, Add	1.73	
For Each SF Of 24 Gauge Wall Panel, Add	0.79	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.95	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0011 >30' To 50' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings		
(13 34 19 00-0002)		
13 34 19 00-0012 GSF 10' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	15.06	3.48
For 30' To 49' In Length Only, Add	1.95	
For 50' To 69' In Length Only, Add	1.06	
For 70' To 99' In Length Only, Add	0.44	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.45	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.75	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.13	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.47	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.81	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.86	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.61	
For Single Slope Frame Roof, Add	1.22	
For Each SF Of 24 Gauge Wall Panel, Add	0.46	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.48	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0013 GSF 12' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	15.96	3.79
For 30' To 49' In Length Only, Add	2.00	
For 50' To 69' In Length Only, Add	1.09	
For 70' To 99' In Length Only, Add	0.45	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.48	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.80	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.20	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.56	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.92	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.03	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.83	
For Single Slope Frame Roof, Add	1.25	
For Each SF Of 24 Gauge Wall Panel, Add	0.48	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.52	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



**13 Special Construction****13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34	19 00-0014	GSF	14' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	16.73	4.10
			For 30' To 49' In Length Only, Add	2.04	
			For 50' To 69' In Length Only, Add	1.12	
			For 70' To 99' In Length Only, Add	0.46	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.50	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.84	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.25	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.63	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.01	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.18	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.02	
			For Single Slope Frame Roof, Add	1.28	
			For Each SF Of 24 Gauge Wall Panel, Add	0.50	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.55	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0015	GSF	16' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	17.91	4.47
			For 30' To 49' In Length Only, Add	2.15	
			For 50' To 69' In Length Only, Add	1.18	
			For 70' To 99' In Length Only, Add	0.48	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.54	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.90	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.34	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.75	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.15	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.40	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.30	
			For Single Slope Frame Roof, Add	1.35	
			For Each SF Of 24 Gauge Wall Panel, Add	0.54	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.59	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0016	GSF	18' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	19.45	4.80
			For 30' To 49' In Length Only, Add	2.36	
			For 50' To 69' In Length Only, Add	1.29	
			For 70' To 99' In Length Only, Add	0.53	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.58	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.97	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.46	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.90	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.33	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.70	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.67	
			For Single Slope Frame Roof, Add	1.48	
			For Each SF Of 24 Gauge Wall Panel, Add	0.58	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.63	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0017	GSF	20' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	20.79	5.13
			For 30' To 49' In Length Only, Add	2.51	
			For 50' To 69' In Length Only, Add	1.37	
			For 70' To 99' In Length Only, Add	0.56	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.62	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.04	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.56	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.03	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.49	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.95	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.99	
			For Single Slope Frame Roof, Add	1.57	
			For Each SF Of 24 Gauge Wall Panel, Add	0.62	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.67	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0018	GSF	24' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding.....	22.64	5.80
			For 30' To 49' In Length Only, Add	2.65	
			For 50' To 69' In Length Only, Add	1.45	
			For 70' To 99' In Length Only, Add	0.60	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.68	
			For >3 In 12 Slope To 5 In 12 Slope, Add	1.13	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.70	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.21	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.72	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	4.30	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	5.43	
			For Single Slope Frame Roof, Add	1.66	
			For Each SF Of 24 Gauge Wall Panel, Add	0.68	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.74	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>13 34 19 00-0019 &gt;50' To 100' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings</b> <small>(13 34 19 00-0002)</small>		
13 34 19 00-0020 GSF 10' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding .....	11.40	2.15
For 30' To 49' In Length Only, Add	1.70	
For 50' To 69' In Length Only, Add	0.93	
For 70' To 99' In Length Only, Add	0.38	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.34	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.57	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.86	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.11	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.37	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.17	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.74	
For Single Slope Frame Roof, Add	1.06	
For Each SF Of 24 Gauge Wall Panel, Add	0.36	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.34	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0021 GSF 12' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding .....	11.89	2.29
For 30' To 49' In Length Only, Add	1.76	
For 50' To 69' In Length Only, Add	0.96	
For 70' To 99' In Length Only, Add	0.40	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.36	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.59	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.89	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.16	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.43	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.26	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.85	
For Single Slope Frame Roof, Add	1.10	
For Each SF Of 24 Gauge Wall Panel, Add	0.37	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.35	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0022 GSF 14' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding .....	12.36	2.42
For 30' To 49' In Length Only, Add	1.81	
For 50' To 69' In Length Only, Add	0.99	
For 70' To 99' In Length Only, Add	0.41	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.37	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.62	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.93	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.21	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.48	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.35	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.97	
For Single Slope Frame Roof, Add	1.13	
For Each SF Of 24 Gauge Wall Panel, Add	0.38	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.37	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0023 GSF 16' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding .....	13.06	2.55
For 30' To 49' In Length Only, Add	1.91	
For 50' To 69' In Length Only, Add	1.04	
For 70' To 99' In Length Only, Add	0.43	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.39	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.65	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.98	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.27	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.57	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.48	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.13	
For Single Slope Frame Roof, Add	1.19	
For Each SF Of 24 Gauge Wall Panel, Add	0.41	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.38	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0024 GSF 18' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding .....	13.61	2.68
For 30' To 49' In Length Only, Add	1.98	
For 50' To 69' In Length Only, Add	1.08	
For 70' To 99' In Length Only, Add	0.44	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.41	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.68	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.02	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.33	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.63	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.59	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.27	
For Single Slope Frame Roof, Add	1.24	
For Each SF Of 24 Gauge Wall Panel, Add	0.42	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.40	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

**13 Special Construction****13 30 Special Structures****13 34 Fabricated Engineered Structures**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

13 34 19 00-0025	GSF 20' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding .....	14.09	2.81
	For 30' To 49' In Length Only, Add	2.03	
	For 50' To 69' In Length Only, Add	1.11	
	For 70' To 99' In Length Only, Add	0.46	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.42	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.70	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.06	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.37	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.69	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.68	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.38	
	For Single Slope Frame Roof, Add	1.27	
	For Each SF Of 24 Gauge Wall Panel, Add	0.44	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.41	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0026	GSF 24' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding .....	15.43	3.08
	For 30' To 49' In Length Only, Add	2.22	
	For 50' To 69' In Length Only, Add	1.21	
	For 70' To 99' In Length Only, Add	0.50	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.46	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.77	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.16	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.50	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.85	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.93	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.70	
	For Single Slope Frame Roof, Add	1.39	
	For Each SF Of 24 Gauge Wall Panel, Add	0.48	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.44	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0027	<b>Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings</b> <small>(13 34 19 00-0001)</small>		
	Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0028	<b>Up To 30' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings</b> <small>(13 34 19 00-0027)</small>		
13 34 19 00-0029	GSF 10' Eave Height, Up To 30' Long, Up To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding .....	15.31	3.48
	For 30' To 49' In Length Only, Add	2.01	
	For 50' To 69' In Length Only, Add	1.10	
	For 70' To 99' In Length Only, Add	0.45	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.46	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.77	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.15	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.49	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.84	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.91	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.67	
	For Each SF Of 24 Gauge Wall Panel, Add	0.47	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.48	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0030	GSF 12' Eave Height, Up To 30' Long, Up To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding .....	16.42	3.79
	For 30' To 49' In Length Only, Add	2.12	
	For 50' To 69' In Length Only, Add	1.16	
	For 70' To 99' In Length Only, Add	0.48	
	For >1 In 12 Slope To 3 In 12 Slope, Add	0.49	
	For >3 In 12 Slope To 5 In 12 Slope, Add	0.82	
	For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.23	
	For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.60	
	For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.97	
	For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.12	
	For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.94	
	For Each SF Of 24 Gauge Wall Panel, Add	0.50	
	For Each SF Of Lap Roof, Deduct	-0.76	
	For Each SF Of Hip Roof, Add	0.52	
	For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0031 GSF 14' Eave Height, Up To 30' Long, Up To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	17.49	4.10
<i>For 30' To 49' In Length Only, Add</i>	2.23	
<i>For 50' To 69' In Length Only, Add</i>	1.22	
<i>For 70' To 99' In Length Only, Add</i>	0.50	
<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.52	
<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	0.87	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.31	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.71	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.10	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.32	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.20	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.53	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.55	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0032 GSF 16' Eave Height, Up To 30' Long, Up To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	18.91	4.47
<i>For 30' To 49' In Length Only, Add</i>	2.39	
<i>For 50' To 69' In Length Only, Add</i>	1.31	
<i>For 70' To 99' In Length Only, Add</i>	0.54	
<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.57	
<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	0.95	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.42	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.84	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.27	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.59	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.54	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.57	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.59	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0033 GSF 18' Eave Height, Up To 30' Long, Up To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	20.14	4.82
<i>For 30' To 49' In Length Only, Add</i>	2.52	
<i>For 50' To 69' In Length Only, Add</i>	1.38	
<i>For 70' To 99' In Length Only, Add</i>	0.57	
<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.60	
<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	1.01	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.51	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.96	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.42	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	3.83	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	4.83	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.61	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.63	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0034 GSF 20' Eave Height, Up To 30' Long, Up To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	21.35	5.16
<i>For 30' To 49' In Length Only, Add</i>	2.64	
<i>For 50' To 69' In Length Only, Add</i>	1.44	
<i>For 70' To 99' In Length Only, Add</i>	0.60	
<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.64	
<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	1.07	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.60	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.08	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.56	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.06	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	5.12	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.64	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.67	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0035 GSF 24' Eave Height, Up To 30' Long, Up To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	23.86	5.89
<i>For 30' To 49' In Length Only, Add</i>	2.90	
<i>For 50' To 69' In Length Only, Add</i>	1.58	
<i>For 70' To 99' In Length Only, Add</i>	0.65	
<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.72	
<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	1.19	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	1.79	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	2.33	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.86	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	4.53	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	5.73	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.72	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.75	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0036 >30' To 40' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings (13 34 19 00-0027)		

**13 Special Construction****13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34	19 00-0037	GSF	10' Eave Height, Up To 30' Long, >30' To 40' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	13.85	3.08
			For 30' To 49' In Length Only, Add	1.85	
			For 50' To 69' In Length Only, Add	1.01	
			For 70' To 99' In Length Only, Add	0.42	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.42	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.69	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.04	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.35	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.66	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.63	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.32	
			For Each SF Of 24 Gauge Wall Panel, Add	0.42	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.44	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0038	GSF	12' Eave Height, Up To 30' Long, >30' To 40' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	14.73	3.36
			For 30' To 49' In Length Only, Add	1.92	
			For 50' To 69' In Length Only, Add	1.05	
			For 70' To 99' In Length Only, Add	0.43	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.44	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.74	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.10	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.44	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.77	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.80	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.54	
			For Each SF Of 24 Gauge Wall Panel, Add	0.45	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.47	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0039	GSF	14' Eave Height, Up To 30' Long, >30' To 40' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	15.60	3.65
			For 30' To 49' In Length Only, Add	2.00	
			For 50' To 69' In Length Only, Add	1.09	
			For 70' To 99' In Length Only, Add	0.45	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.47	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.78	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.17	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.52	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.87	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.96	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.74	
			For Each SF Of 24 Gauge Wall Panel, Add	0.47	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.50	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0040	GSF	16' Eave Height, Up To 30' Long, >30' To 40' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	16.58	3.91
			For 30' To 49' In Length Only, Add	2.10	
			For 50' To 69' In Length Only, Add	1.15	
			For 70' To 99' In Length Only, Add	0.47	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.50	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.83	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.24	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.62	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.99	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.15	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.98	
			For Each SF Of 24 Gauge Wall Panel, Add	0.50	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.53	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34	19 00-0041	GSF	18' Eave Height, Up To 30' Long, >30' To 40' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	17.55	4.19
			For 30' To 49' In Length Only, Add	2.20	
			For 50' To 69' In Length Only, Add	1.20	
			For 70' To 99' In Length Only, Add	0.50	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.53	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.88	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.32	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.71	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.11	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.33	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.21	
			For Each SF Of 24 Gauge Wall Panel, Add	0.53	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.56	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0042 GSF 20' Eave Height, Up To 30' Long, >30' To 40' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	18.50	4.47
For 30' To 49' In Length Only, Add	2.29	
For 50' To 69' In Length Only, Add	1.25	
For 70' To 99' In Length Only, Add	0.52	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.56	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.93	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.39	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.80	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.22	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.52	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.44	
For Each SF Of 24 Gauge Wall Panel, Add	0.56	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.59	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0043 GSF 24' Eave Height, Up To 30' Long, >30' To 40' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	20.66	5.10
For 30' To 49' In Length Only, Add	2.51	
For 50' To 69' In Length Only, Add	1.37	
For 70' To 99' In Length Only, Add	0.56	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.62	
For >3 In 12 Slope To 5 In 12 Slope, Add	1.03	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.55	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	2.01	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.48	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.93	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.96	
For Each SF Of 24 Gauge Wall Panel, Add	0.62	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.66	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
<b>13 34 19 00-0044 &gt;40' To 80' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings (13 34 19 00-0027)</b>		
13 34 19 00-0045 GSF 10' Eave Height, Up To 30' Long, >40' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	12.17	2.42
For 30' To 49' In Length Only, Add	1.76	
For 50' To 69' In Length Only, Add	0.96	
For 70' To 99' In Length Only, Add	0.40	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.37	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.61	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.91	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.19	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.46	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.31	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.92	
For Each SF Of 24 Gauge Wall Panel, Add	0.38	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.37	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0046 GSF 12' Eave Height, Up To 30' Long, >40' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	12.81	2.59
For 30' To 49' In Length Only, Add	1.84	
For 50' To 69' In Length Only, Add	1.00	
For 70' To 99' In Length Only, Add	0.41	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.38	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.64	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.96	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.25	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.54	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.43	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.07	
For Each SF Of 24 Gauge Wall Panel, Add	0.40	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.38	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0047 GSF 14' Eave Height, Up To 30' Long, >40' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	13.42	2.75
For 30' To 49' In Length Only, Add	1.90	
For 50' To 69' In Length Only, Add	1.04	
For 70' To 99' In Length Only, Add	0.43	
For >1 In 12 Slope To 3 In 12 Slope, Add	0.40	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.67	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.01	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.31	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.61	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.55	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.22	
For Each SF Of 24 Gauge Wall Panel, Add	0.41	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.40	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

**13 Special Construction****13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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13 34 19 00-0048	GSF		16' Eave Height, Up To 30' Long, >40' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	14.10	2.92
			For 30' To 49' In Length Only, Add	1.99	
			For 50' To 69' In Length Only, Add	1.08	
			For 70' To 99' In Length Only, Add	0.45	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.42	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.71	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.06	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.37	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.69	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.68	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.38	
			For Each SF Of 24 Gauge Wall Panel, Add	0.44	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.42	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0049	GSF		18' Eave Height, Up To 30' Long, >40' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	14.95	3.11
			For 30' To 49' In Length Only, Add	2.10	
			For 50' To 69' In Length Only, Add	1.14	
			For 70' To 99' In Length Only, Add	0.47	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.45	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.75	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.12	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.46	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.79	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.84	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.59	
			For Each SF Of 24 Gauge Wall Panel, Add	0.46	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.44	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0050	GSF		20' Eave Height, Up To 30' Long, >40' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	15.74	3.28
			For 30' To 49' In Length Only, Add	2.21	
			For 50' To 69' In Length Only, Add	1.20	
			For 70' To 99' In Length Only, Add	0.50	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.47	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.79	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.18	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.53	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.89	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.99	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.78	
			For Each SF Of 24 Gauge Wall Panel, Add	0.49	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.46	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0051	GSF		24' Eave Height, Up To 30' Long, >40' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding.....	17.53	3.73
			For 30' To 49' In Length Only, Add	2.42	
			For 50' To 69' In Length Only, Add	1.32	
			For 70' To 99' In Length Only, Add	0.54	
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.53	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.88	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.31	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.71	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.10	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	3.33	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	4.21	
			For Each SF Of 24 Gauge Wall Panel, Add	0.54	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.51	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

13 34 19 00-0052 **Single Post 2-Span Frame Pre-Engineered Metal Buildings** (13 34 19 00-0001)  
 Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0053 **Up To 60' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings**  
 (13 34 19 00-0052)

13 34 19 00-0054	GSF		14' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding .....	12.57	2.85
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.38	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.63	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.94	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.23	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.51	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.39	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.02	
			For Each SF Of 24 Gauge Wall Panel, Add	0.38	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.41	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



<b>Special Construction</b>	<b>13</b>
<b>Special Structures</b>	<b>13 30</b>
<b>Fabricated Engineered Structures</b>	<b>13 34</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0055 GSF 16' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	13.42	3.04
For >1 In 12 Slope To 3 In 12 Slope, Add	0.40	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.67	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.01	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.31	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.61	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.55	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.22	
For Each SF Of 24 Gauge Wall Panel, Add	0.41	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.44	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0056 GSF 18' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	14.08	3.21
For >1 In 12 Slope To 3 In 12 Slope, Add	0.42	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.70	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.06	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.37	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.69	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.68	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.38	
For Each SF Of 24 Gauge Wall Panel, Add	0.43	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.45	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0057 GSF 20' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	13.94	2.98
For >1 In 12 Slope To 3 In 12 Slope, Add	0.42	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.70	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.05	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.36	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.67	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.65	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.35	
For Each SF Of 24 Gauge Wall Panel, Add	0.43	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.43	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0058 GSF 24' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	15.09	3.25
For >1 In 12 Slope To 3 In 12 Slope, Add	0.45	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.75	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.13	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.47	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.81	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.87	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.62	
For Each SF Of 24 Gauge Wall Panel, Add	0.46	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.46	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
<b>13 34 19 00-0059 &gt;60' To 80' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings</b>		
(13 34 19 00-0052)		
13 34 19 00-0060 GSF 14' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	11.73	2.52
For >1 In 12 Slope To 3 In 12 Slope, Add	0.35	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.59	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.88	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.14	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.41	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.23	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.82	
For Each SF Of 24 Gauge Wall Panel, Add	0.36	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.38	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0061 GSF 16' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	12.48	2.68
For >1 In 12 Slope To 3 In 12 Slope, Add	0.37	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.62	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.94	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.22	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.50	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.37	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.00	
For Each SF Of 24 Gauge Wall Panel, Add	0.38	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.40	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



**13 Special Construction**

**13 30 Special Structures**

**13 34 Fabricated Engineered Structures**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0062	GSF		18' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	13.14	2.85
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.39	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.66	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.99	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.28	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.58	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.50	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.15	
			For Each SF Of 24 Gauge Wall Panel, Add	0.40	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.41	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0063	GSF		20' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	13.72	2.98
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.41	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.69	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.03	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.34	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.65	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.61	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.29	
			For Each SF Of 24 Gauge Wall Panel, Add	0.42	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.43	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0064	GSF		24' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	14.84	3.25
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.45	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.74	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.11	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.45	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.78	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.82	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.56	
			For Each SF Of 24 Gauge Wall Panel, Add	0.45	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.46	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
<b>13 34 19 00-0065 &gt;80' To 100' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings</b>					
			<small>(13 34 19 00-0065)</small>		
13 34 19 00-0066	GSF		14' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	10.92	2.22
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.33	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.55	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.82	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.06	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.31	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.07	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.62	
			For Each SF Of 24 Gauge Wall Panel, Add	0.34	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.34	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0067	GSF		16' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	11.46	2.31
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.34	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.57	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.86	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.12	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.38	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.18	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.75	
			For Each SF Of 24 Gauge Wall Panel, Add	0.35	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.36	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0068	GSF		18' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	12.06	2.45
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.36	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.60	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.90	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.18	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.45	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.29	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.89	
			For Each SF Of 24 Gauge Wall Panel, Add	0.37	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.37	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



<b>Special Construction</b>	<b>13</b>
<b>Special Structures</b>	<b>13 30</b>
<b>Fabricated Engineered Structures</b>	<b>13 34</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0069 GSF 20' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	12.58	2.55
For >1 In 12 Slope To 3 In 12 Slope, Add	0.38	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.63	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.94	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.23	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.51	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.39	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.02	
For Each SF Of 24 Gauge Wall Panel, Add	0.39	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.38	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0070 GSF 24' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	13.60	2.78
For >1 In 12 Slope To 3 In 12 Slope, Add	0.41	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.68	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	1.02	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.33	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.63	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.58	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	3.26	
For Each SF Of 24 Gauge Wall Panel, Add	0.42	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.41	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
<b>13 34 19 00-0071 &gt;100' To 120' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings (13 34 19 00-0052)</b>		
13 34 19 00-0072 GSF 14' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	10.67	2.12
For >1 In 12 Slope To 3 In 12 Slope, Add	0.32	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.53	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.80	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.04	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.28	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.03	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.56	
For Each SF Of 24 Gauge Wall Panel, Add	0.33	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.33	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0073 GSF 16' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	11.08	2.22
For >1 In 12 Slope To 3 In 12 Slope, Add	0.33	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.55	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.83	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.08	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.33	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.11	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.66	
For Each SF Of 24 Gauge Wall Panel, Add	0.34	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.34	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0074 GSF 18' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	11.61	2.31
For >1 In 12 Slope To 3 In 12 Slope, Add	0.35	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.58	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.87	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.13	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.39	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.21	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.79	
For Each SF Of 24 Gauge Wall Panel, Add	0.36	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.36	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0075 GSF 20' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	12.08	2.42
For >1 In 12 Slope To 3 In 12 Slope, Add	0.36	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.60	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.91	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.18	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.45	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.30	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.90	
For Each SF Of 24 Gauge Wall Panel, Add	0.37	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.37	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

**13 Special Construction**

**13 30 Special Structures**

**13 34 Fabricated Engineered Structures**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0076	GSF		24' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding.....	13.11	2.62
			<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.39	
			<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	0.66	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	0.98	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.28	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.57	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.49	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	3.15	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.41	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.39	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0077			<b>Double Post 3-Span Frame Pre-Engineered Metal Buildings</b> <small>(13 34 19 00-0001)</small>		
			Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0078			<b>Up To 120' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings</b> <small>(13 34 19 00-0077)</small>		
13 34 19 00-0079	GSF		14' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	10.51	2.22
			<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.32	
			<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	0.53	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	0.79	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.02	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.26	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.00	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	2.52	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.32	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.34	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0080	GSF		16' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	10.93	2.31
			<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.33	
			<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	0.55	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	0.82	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.07	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.31	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.08	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	2.62	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.34	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.36	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0081	GSF		18' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	11.01	2.26
			<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.33	
			<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	0.55	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	0.83	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.07	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.32	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.09	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	2.64	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.34	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.35	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0082	GSF		20' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	11.46	2.35
			<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.34	
			<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	0.57	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	0.86	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.12	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.38	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.18	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	2.75	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.35	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.36	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0083	GSF		24' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding.....	12.94	2.52
			<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.39	
			<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	0.65	
			<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	0.97	
			<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.26	
			<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.55	
			<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.46	
			<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	3.11	
			<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.40	
			<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
			<i>For Each SF Of Hip Roof, Add</i>	0.38	
			<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0084			<b>&gt;120' To 150' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings</b> <small>(13 34 19 00-0077)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0085 GSF 14' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding .....9.97	9.97	2.02
<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.30	
<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	0.50	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	0.75	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	0.97	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.20	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.89	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	2.39	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.31	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.32	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0086 GSF 16' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding .....10.31	10.31	2.09
<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.31	
<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	0.52	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	0.77	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.01	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.24	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.96	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	2.47	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.32	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.33	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0087 GSF 18' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding .....10.71	10.71	2.17
<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.32	
<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	0.54	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	0.80	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.04	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.29	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.03	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	2.57	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.33	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.34	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0088 GSF 20' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding .....11.08	11.08	2.26
<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.33	
<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	0.55	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	0.83	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.08	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.33	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.11	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	2.66	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.34	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.35	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
13 34 19 00-0089 GSF 24' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding .....12.54	12.54	2.42
<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.38	
<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	0.63	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	0.94	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	1.22	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.50	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	2.38	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	3.01	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.39	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.37	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	
<b>13 34 19 00-0090 Triple Post 4-Span Frame Pre-Engineered Metal Buildings <small>(13 34 19 00-0001)</small></b>		
<i>Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.</i>		
<b>13 34 19 00-0091 Up To 160' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building <small>(13 34 19 00-0090)</small></b>		
13 34 19 00-0092 GSF 14' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....9.59	9.59	1.93
<i>For &gt;1 In 12 Slope To 3 In 12 Slope, Add</i>	0.29	
<i>For &gt;3 In 12 Slope To 5 In 12 Slope, Add</i>	0.48	
<i>For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add</i>	0.72	
<i>For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add</i>	0.94	
<i>For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.15	
<i>For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add</i>	1.82	
<i>For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add</i>	2.30	
<i>For Each SF Of 24 Gauge Wall Panel, Add</i>	0.30	
<i>For Each SF Of Lap Roof, Deduct</i>	-0.76	
<i>For Each SF Of Hip Roof, Add</i>	0.31	
<i>For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)</i>	-1.97	

**13 Special Construction**

**13 30 Special Structures**

**13 34 Fabricated Engineered Structures**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0093	GSF		16' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	10.00	1.98
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.30	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.50	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.75	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	0.98	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.20	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.90	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.40	
			For Each SF Of 24 Gauge Wall Panel, Add	0.31	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.32	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0094	GSF		18' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	10.33	2.05
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.31	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.52	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.77	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.01	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.24	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.96	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.48	
			For Each SF Of 24 Gauge Wall Panel, Add	0.32	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.33	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0095	GSF		20' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	10.66	2.12
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.32	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.53	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.80	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.04	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.28	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.03	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.56	
			For Each SF Of 24 Gauge Wall Panel, Add	0.33	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.33	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0096	GSF		24' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	12.12	2.31
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.36	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.61	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.91	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.18	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.45	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.30	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.91	
			For Each SF Of 24 Gauge Wall Panel, Add	0.38	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.36	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0097			<b>&gt;160' To 180' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building</b> <small>(13 34 19 00-0090)</small>		
13 34 19 00-0098	GSF		14' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	9.46	1.86
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.28	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.47	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.71	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	0.92	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.14	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.80	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.27	
			For Each SF Of 24 Gauge Wall Panel, Add	0.29	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.30	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0099	GSF		16' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	9.81	1.93
			For >1 In 12 Slope To 3 In 12 Slope, Add	0.29	
			For >3 In 12 Slope To 5 In 12 Slope, Add	0.49	
			For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.74	
			For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	0.96	
			For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.18	
			For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.86	
			For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.35	
			For Each SF Of 24 Gauge Wall Panel, Add	0.30	
			For Each SF Of Lap Roof, Deduct	-0.76	
			For Each SF Of Hip Roof, Add	0.31	
			For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0100 GSF 18' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding.....	10.19	1.98
For >1 In 12 Slope To 3 In 12 Slope, Add	0.31	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.51	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.76	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	0.99	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.22	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.94	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.45	
For Each SF Of 24 Gauge Wall Panel, Add	0.32	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.32	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0101 GSF 20' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding.....	10.52	2.05
For >1 In 12 Slope To 3 In 12 Slope, Add	0.32	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.53	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.79	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.03	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.26	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.00	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.52	
For Each SF Of 24 Gauge Wall Panel, Add	0.33	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.33	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0102 GSF 24' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding.....	11.91	2.22
For >1 In 12 Slope To 3 In 12 Slope, Add	0.36	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.60	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.89	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.16	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.43	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.26	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.86	
For Each SF Of 24 Gauge Wall Panel, Add	0.37	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.34	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
<b>13 34 19 00-0103 &gt;180' To 200' Wide Triple Post 4-Span Frame Pre-Engineered Metal Buildings</b> <small>(13 34 19 00-0090)</small>		
13 34 19 00-0104 GSF 14' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding.....	9.38	1.79
For >1 In 12 Slope To 3 In 12 Slope, Add	0.28	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.47	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.70	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	0.91	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.13	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.78	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.25	
For Each SF Of 24 Gauge Wall Panel, Add	0.29	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.30	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0105 GSF 16' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding.....	9.63	1.86
For >1 In 12 Slope To 3 In 12 Slope, Add	0.29	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.48	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.72	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	0.94	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.16	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.83	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.31	
For Each SF Of 24 Gauge Wall Panel, Add	0.30	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.30	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0106 GSF 18' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding.....	10.02	1.93
For >1 In 12 Slope To 3 In 12 Slope, Add	0.30	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.50	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.75	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	0.98	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.20	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.90	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.40	
For Each SF Of 24 Gauge Wall Panel, Add	0.31	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.31	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	

**13 Special Construction****13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0107 GSF 20' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	10.40	1.98
For >1 In 12 Slope To 3 In 12 Slope, Add	0.31	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.52	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.78	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.01	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.25	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.98	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.50	
For Each SF Of 24 Gauge Wall Panel, Add	0.32	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.32	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
13 34 19 00-0108 GSF 24' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding .....	11.80	2.15
For >1 In 12 Slope To 3 In 12 Slope, Add	0.35	
For >3 In 12 Slope To 5 In 12 Slope, Add	0.59	
For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	0.89	
For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	1.15	
For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	1.42	
For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	2.24	
For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	2.83	
For Each SF Of 24 Gauge Wall Panel, Add	0.37	
For Each SF Of Lap Roof, Deduct	-0.76	
For Each SF Of Hip Roof, Add	0.34	
For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	-1.97	
<b>13 34 19 00-0109 Metal Building Options</b> (13 34 19 00-0001)		
Note: For use with metal buildings only. See CSI section 08 36 13 00-0013 for sectional doors, 08 51 13 00-0065 for sliding windows.		
<b>13 34 19 00-0110 Metal Framing For Rough Openings</b> (13 34 19 00-0109)		
Note: Excludes doors See CSI section 08 13 00 00-0000 for metal doors, 08 14 00 00-0000 for wood doors, 08 33 23 00-0000 for overhead coiling doors.		
13 34 19 00-0111 EA Single Door, Metal Frame Rough Opening .....	341.29	74.18
13 34 19 00-0112 EA Double Door, Metal Frame Rough Opening .....	528.13	96.03
13 34 19 00-0113 EA 10' x 10' Overhead Door, Metal Frame Rough Opening .....	642.22	91.06
13 34 19 00-0114 EA 12' x 12' Overhead Door, Metal Frame Rough Opening .....	696.10	92.72
13 34 19 00-0115 EA 14' x 14' Overhead Door, Metal Frame Rough Opening .....	740.82	96.03
13 34 19 00-0116 EA Up To 12 SF, Window Opening, Metal Frame Rough Opening .....	326.45	74.18
13 34 19 00-0117 EA >12 To 18 SF, Window Opening, Metal Frame Rough Opening .....	365.96	84.31
13 34 19 00-0118 LF Additional Girts .....	7.89	
<b>13 34 19 00-0119 Wall Panel Options For Metal Buildings</b> (13 34 19 00-0109)		
Note: Upgrade from 26 gauge wall panels.		
13 34 19 00-0120 SF Upgrade To 2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile .....	7.95	
Note: 24 gauge exterior and 24 gauge interior panels.		
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	
13 34 19 00-0121 SF Upgrade To 2-1/2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile .....	9.55	
Note: 24 gauge exterior and 24 gauge interior panels.		
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	
13 34 19 00-0122 SF Upgrade To 3" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile .....	10.99	
Note: 24 gauge exterior and 24 gauge interior panels.		
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	
13 34 19 00-0123 SF Upgrade To 4" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile .....	12.62	
Note: 24 gauge exterior and 24 gauge interior panels.		
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	
<b>13 34 19 00-0124 Roofing Options For Metal Buildings</b> (13 34 19 00-0109)		
Note: Upgrade from 26 gauge standing seam roof panels.		
13 34 19 00-0125 SF Upgrade To 24 Gauge Galvanized Steel Standing Seam Roof .....	0.86	
13 34 19 00-0126 SF Upgrade To 4" Thick Insulated Roof Panel, Metal-Span III, CFR-42 .....	13.29	
Note: 24 gauge exterior and 24 gauge interior panels.		
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	
13 34 19 00-0127 SF Upgrade To 5" Thick Insulated Roof Panel, Metal-Span III, CFR-42 .....	14.18	
Note: 24 gauge exterior and 24 gauge interior panels.		
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	
13 34 19 00-0128 SF Upgrade To 6" Thick Insulated Roof Panel, Metal-Span III, CFR-42 .....	14.88	
Note: 24 gauge exterior and 24 gauge interior panels.		
For AZ-50 Aluminum-Zinc Coated Exterior, Add	0.24	
For Premium Exterior Colors, Add	0.12	
13 34 19 00-0129 EA 3' x 10' Translucent Fiberglass Panels .....	116.71	28.47
13 34 19 00-0130 LF Vented Ridge Vent For Standing Seam Roof .....	15.65	
<b>13 34 19 00-0131 Insulation For Metal Buildings</b> (13 34 19 00-0109)		
13 34 19 00-0132 SF 1-1/2" Thick, R-5.5, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation .....	0.87	0.18
13 34 19 00-0133 SF 2-1/2" Thick, R-8, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation .....	0.99	0.18



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0134	SF			3-1/2" Thick, R-11, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	1.13	0.25
13 34 19 00-0135	SF			3-1/2" Thick, R-13, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	1.34	0.25
13 34 19 00-0136	SF			6" Thick, R-19, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	1.75	0.25
13 34 19 00-0137	SF			1-1/2" Thick, R-5.5, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation .....	1.12	0.18
13 34 19 00-0138	SF			2-1/2" Thick, R-8, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation .....	1.24	0.18
13 34 19 00-0139	SF			3-1/2" Thick, R-11, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation .....	1.33	0.25
13 34 19 00-0140	SF			3-1/2" Thick, R-13, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation .....	1.49	0.25
13 34 19 00-0141	SF			6" Thick, R-19, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation .....	1.82	0.25
13 34 19 00-0142	SF			1-1/2" Thick, R-5.5, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation .....	1.05	0.18
13 34 19 00-0143	SF			2-1/2" Thick, R-8, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation .....	1.19	0.18
13 34 19 00-0144	SF			3-1/2" Thick, R-11, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation .....	1.44	0.25
13 34 19 00-0145	SF			3-1/2" Thick, R-13, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation .....	1.59	0.25
13 34 19 00-0146	SF			6" Thick, R-19, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation.....	1.90	0.25
13 34 19 00-0147	SF			2" Thick, R-6.5, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation .....	0.95	0.18
13 34 19 00-0148	SF			3" Thick, R-10, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation .....	1.02	0.18
13 34 19 00-0149	SF			4" Thick, R-13, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation .....	1.16	0.25
13 34 19 00-0150	SF			6" Thick, R-19, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation .....	1.48	0.25
13 34 19 00-0151	SF			2" Thick, R-6.5, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	0.96	0.18
13 34 19 00-0152	SF			3" Thick, R-10, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	1.04	0.18
13 34 19 00-0153	SF			4" Thick, R-13, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	1.18	0.25
13 34 19 00-0154	SF			6" Thick, R-19, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	1.52	0.25
13 34 19 00-0155	SF			2" Thick, R-6.5, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation .....	1.38	0.18
13 34 19 00-0156	SF			3" Thick, R-10, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation .....	1.49	0.18
13 34 19 00-0157	SF			4" Thick, R-13, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation .....	1.63	0.25
13 34 19 00-0158	SF			6" Thick, R-19, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation.....	1.97	0.25
13 34 19 00-0159				<b>Eave And Overhang Options For Metal Buildings</b> (13 34 19 00-0109)		
13 34 19 00-0160	LF			2' End Wall Roof Overhang And 26 Gauge Soffit .....	25.38	5.16
13 34 19 00-0161	LF			4' End Wall Roof Overhang And 26 Gauge Soffit .....	38.40	3.70
13 34 19 00-0162	SF			Up To 20 SF, Prefinished Aluminum, Wall Hung Canopy.....	51.94	8.28
				Note: Up to 7' projection from wall. Includes finished underside and edges.		
				For End Braced (Up To 16' Wall Projection), Add	12.16	
				For Overhead Braced (Up To 10' Wall Projection), Add	6.96	
13 34 19 00-0163	SF			>20 To 50 SF, Prefinished Aluminum, Wall Hung Canopy .....	43.40	6.95
				Note: Up to 7' projection from wall. Includes finished underside and edges.		
				For End Braced (Up To 16' Wall Projection), Add	10.15	
				For Overhead Braced (Up To 10' Wall Projection), Add	5.81	
13 34 19 00-0164	SF			>50 SF, Prefinished Aluminum, Wall Hung Canopy.....	32.91	5.96
				Note: Up to 7' projection from wall. Includes finished underside and edges.		
				For End Braced (Up To 16' Wall Projection), Add	7.63	
				For Overhead Braced (Up To 10' Wall Projection), Add	4.34	
13 34 19 00-0165	SF			Up To 20 SF, Heavy Duty, 140 MPH Winds, Prefinished Aluminum, Wall Hung Canopy.....	57.84	8.28
				Note: Up to 7' projection from wall. Includes finished underside and edges. 16 gauge internal frame, 1/2" or 3/4" support rods, 24 gauge soffit.		
				For End Braced (Up To 16' Wall Projection), Add	13.63	
				For Overhead Braced (Up To 10' Wall Projection), Add	7.85	
13 34 19 00-0166	SF			>20 To 50 SF, Heavy Duty, 140 MPH Winds, Prefinished Aluminum, Wall Hung Canopy .....	49.29	6.95
				Note: Up to 7' projection from wall. Includes finished underside and edges. 16 gauge internal frame, 1/2" or 3/4" support rods, 24 gauge soffit.		
				For End Braced (Up To 16' Wall Projection), Add	11.63	
				For Overhead Braced (Up To 10' Wall Projection), Add	6.70	
13 34 19 00-0167	SF			>50 SF, Heavy Duty, 140 MPH Winds, Prefinished Aluminum, Wall Hung Canopy .....	37.11	5.96
				Note: Up to 7' projection from wall. Includes finished underside and edges. 16 gauge internal frame, 1/2" or 3/4" support rods, 24 gauge soffit.		
				For End Braced (Up To 16' Wall Projection), Add	8.68	
				For Overhead Braced (Up To 10' Wall Projection), Add	4.97	
13 34 19 00-0168	SF			Up To 50 SF, Prefinished Aluminum, Free Standing Canopy.....	63.42	12.58
				Note: Includes finished underside and edges.		
13 34 19 00-0169	SF			>50 SF, Prefinished Aluminum, Free Standing Canopy.....	42.61	7.61
				Note: Includes finished underside and edges.		
13 34 19 00-0170	LF			1' Standard Eave Overhang Without Soffit .....	25.43	
13 34 19 00-0171	LF			2' Standard Eave Overhang Without Soffit .....	31.83	
13 34 19 00-0172	LF			3' Standard Eave Overhang Without Soffit .....	38.36	
13 34 19 00-0173	LF			4' Standard Eave Overhang Without Soffit .....	44.80	
13 34 19 00-0174	LF			6' Standard Eave Overhang Without Soffit .....	57.55	
13 34 19 00-0175	LF			1' Standard Eave Overhang And 26 Gauge Soffit .....	33.99	
				For 24 Gauge, Add	3.83	
13 34 19 00-0176	LF			2' Standard Eave Overhang And 26 Gauge Soffit .....	42.51	
				For 24 Gauge, Add	4.83	
13 34 19 00-0177	LF			3' Standard Eave Overhang And 26 Gauge Soffit .....	51.13	
				For 24 Gauge, Add	5.78	
13 34 19 00-0178	LF			4' Standard Eave Overhang And 26 Gauge Soffit .....	59.75	
				For 24 Gauge, Add	6.74	
13 34 19 00-0179	LF			6' Standard Eave Overhang And 26 Gauge Soffit .....	76.43	
				For 24 Gauge, Add	8.69	
13 34 19 00-0180				<b>Louvers And Vents For Metal Buildings</b> (13 34 19 00-0109)		
13 34 19 00-0181	EA			4' x 3' Fixed Louver .....	396.49	103.31
13 34 19 00-0182	EA			12" Rotary Vent With Damper.....	240.42	66.22
13 34 19 00-0183	EA			20" Rotary Vent With Damper.....	426.12	88.42
13 34 19 00-0184	EA			24" Rotary Vent With Damper.....	566.03	99.35



**13 Special Construction****13 30 Special Structures****13 34 Fabricated Engineered Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0185	EA		Gravity Ridge Ventilator With Birdscreen, 9" Throat x 10' .....	647.26	132.46
13 34 19 00-0186	EA		Gravity Ridge Ventilator With Birdscreen, 12" Throat x 10' .....	690.78	132.46
13 34 19 00-0187	EA		Ridge Ventilator - 9" Throat X 10 Ft, Manually Operated Damper With Birdscreen .....	804.70	132.46
13 34 19 00-0188	EA		Ridge Ventilator - 12" Throat X 10 Ft, Manually Operated Damper With Birdscreen .....	879.67	132.46
13 34 19 00-0189	EA		Ridge Ventilator - 15" Throat X 10 Ft, Manually Operated Damper With Birdscreen .....	962.14	132.46
13 34 19 00-0190	EA		Ridge Ventilator - 18" Throat X 10 Ft, Manually Operated Damper With Birdscreen .....	1,044.61	132.46
13 34 19 00-0191	EA		Ridge Ventilator - 9" Throat X 10 Ft, Motor Operated Damper With Birdscreen .....	1,373.22	165.57
13 34 19 00-0192	EA		Ridge Ventilator - 12" Throat X 10 Ft, Motor Operated Damper With Birdscreen .....	1,508.17	165.57
<b>13 34 19 00-0193</b>			<b>Gutters And Downspouts For Metal Buildings</b> (13 34 19 00-0109)		
13 34 19 00-0194	LF		Pre-Engineered Standard Type Gutter, Painted .....	7.18	1.65
			<i>For Galvanized Instead Of Painted, Deduct</i>	-0.97	
13 34 19 00-0195	LF		Pre-Engineered Standard Type Downspout, Painted .....	6.18	2.31
			<i>For Galvanized Instead Of Painted, Deduct</i>	-0.39	
<b>13 34 23</b>			<b>Fabricated Structures</b> (13 34)		
<b>13 34 23 13</b>			<b>Portable And Mobile Buildings</b> (13 34 23)		
			Note: Includes material, delivery to site, factory design analysis and report, shop drawings and assembly of building on site. Tie down with hurricane anchors on approved foundation. Excludes utility hook-ups and foundation.		
<b>13 34 23 13-0001</b>			<b>Prefabricated Signal, Communication Or Electrical Building</b> (13 34 23 13)		
			Note: Complete, includes door, roof, lights and wiring, insulation, painted.		
13 34 23 13-0002	SF		15 SF To 29 SF Prefabricated Signal, Communication Or Electrical Building .....	328.91	
13 34 23 13-0003	SF		30 SF To 49 SF Prefabricated Signal, Communication Or Electrical Building .....	282.11	
13 34 23 13-0004	SF		50 SF To 79 SF Prefabricated Signal, Communication Or Electrical Building .....	225.80	
13 34 23 13-0005	SF		80 SF To 99 SF Prefabricated Signal, Communication Or Electrical Building .....	178.66	
13 34 23 13-0006	SF		100 SF To 144 SF Prefabricated Signal, Communication Or Electrical Building .....	159.70	
<b>13 34 23 13-0007</b>			<b>Relocate Trailer Within 5 Miles</b> (13 34 23 13)		
			Note: Includes removal of tie-downs and underpins. Set-up tie-downs.		
13 34 23 13-0008	EA		Relocate Single Trailer Within 5 Miles .....	591.38	
13 34 23 13-0009	SF		Install Under-Pinning.....	2.85	
<b>13 34 23 13-0010</b>			<b>Temporary Trailers 1 To 6 Years Life</b> (13 34 23 13)		
			Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, phone jacks, two wooden landings, stairs, and handrails. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.		
13 34 23 13-0011	SF		Single Trailer Up To 14' x 73' .....	37.94	
			<i>For Each Delivery And Set-Up (Block And Level), Add</i>	979.99	
			<i>For Each Knock-Down And Pick-Up, Add</i>	699.99	
			<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00	
13 34 23 13-0012	SF		Modular Trailers, Connected.....	53.12	
			<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00	
			<i>For Each Delivery And Set-Up (Block And Level), Add</i>	2,156.24	
			<i>For Each Knock-Down And Pick-Up, Add</i>	1,506.24	
13 34 23 13-0013	EA		Add Per Additional Exterior Door With Frame And Hardware.....	569.11	
<b>13 34 23 13-0014</b>			<b>Accessories</b> (13 34 23 13)		
<b>13 34 23 13-0015</b>			<b>Skirting</b> (13 34 23 13-0014)		
			Note: Includes 2" x 4" wood framing 16" on center.		
<b>13 34 23 13-0016</b>			<b>Vinyl Covered, Exterior Only</b> (13 34 23 13-0015)		
13 34 23 13-0017	SF		1'-8" High Vinyl Covered Skirt.....	2.30	0.68
13 34 23 13-0018	SF		3' High Vinyl Covered Skirt .....	3.22	1.11
<b>13 34 23 13-0019</b>			<b>Fiberglass, Exterior Only</b> (13 34 23 13-0015)		
13 34 23 13-0020	SF		1'-8" High Fiberglass Skirt.....	4.43	1.28
13 34 23 13-0021	SF		3' High Fiberglass Skirt .....	5.05	1.56
<b>13 34 23 13-0022</b>			<b>Plywood, Exterior Only</b> (13 34 23 13-0015)		
13 34 23 13-0023	SF		1'-8" High 5/8" Plywood Skirt .....	3.74	1.36
13 34 23 13-0024	SF		3' High 5/8" Plywood Skirt.....	4.39	1.64
<b>13 34 23 13-0025</b>			<b>Steel, Painted, Exterior Only</b> (13 34 23 13-0015)		
13 34 23 13-0026	SF		1'-8" High 26 Gauge Steel Skirt .....	4.56	1.28
13 34 23 13-0027	SF		3' High 26 Ga. Steel Skirt.....	5.22	1.56
<b>13 34 23 13-0028</b>			<b>14" x 14" Access Hatch</b> (13 34 23 13-0014)		
			Note: Simple design.		
13 34 23 13-0029	EA		14" x 14" Vinyl Covered Access Hatch .....	116.61	29.92
13 34 23 13-0030	EA		14" x 14" Fiberglass Access Hatch .....	103.57	29.92



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 23 13-0031 EA 14" x 14" Plywood Access Hatch.....	115.53	29.92
13 34 23 13-0032 EA 14" x 14" 26 Gauge Steel Access Hatch.....	116.41	29.92
<b>13 34 23 13-0033 Aluminum Modular Access Ramp</b> <small>(13 34 23 13-0014)</small>		
Note: Includes picketed guardrails, inside grabrails, legs and hardware.		
13 34 23 13-0034 EA 72" Long x 52-1/4" Wide Ramp Section, Aluminum Modular Access Ramp.....	2,041.94	9.98
13 34 23 13-0035 EA 60-1/4" Long x 61-3/4" Wide Door Landing Section, Aluminum Modular Access Ramp.....	2,053.91	12.97
13 34 23 13-0036 EA 60-1/4" Long x 123-1/2" Wide Switchback Landing Section, Aluminum Modular Access Ramp.....	4,248.90	19.95
13 34 23 13-0037 EA 110-3/4" Long x 72" Wide Switchback Landing Section, Aluminum Modular Access Ramp.....	4,583.09	19.95
13 34 23 13-0038 EA 60-1/4" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp.....	2,137.46	12.97
13 34 23 13-0039 EA 71-3/4" Long x 52-1/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp.....	2,125.49	9.98
13 34 23 13-0040 EA 84-1/2" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp.....	2,970.86	12.97
13 34 23 13-0041 EA 30" High x 82" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp.....	2,096.73	12.97
13 34 23 13-0042 EA 35" High x 96" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp.....	2,096.73	12.97
13 34 23 13-0043 EA 42" High x 110" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp.....	2,392.28	12.97
13 34 23 13-0044 EA 49" High x 124" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp.....	2,685.75	12.97
<b>13 34 23 13-0045 Pole Anchor</b> <small>(13 34 23 13-0014)</small>		
Note: Joslyn.		
13 34 23 13-0046 EA Pole Anchor, 4" Helix, 3/4" x 54" Shaft.....	54.98	
13 34 23 13-0047 EA Pole Anchor, 6" Helix, 3/4" x 66" Shaft.....	60.24	
13 34 23 13-0048 EA Pole Anchor, 8" Helix, 1" x 66" Shaft.....	72.60	
13 34 23 13-0049 EA Pole Anchor, 10" Helix, 1-1/4" x 66" Shaft.....	94.28	
13 34 23 13-0050 EA Pole Anchor, 10" Helix, 1-1/4" x 8' Shaft.....	121.94	
13 34 23 13-0051 EA Pole Anchor, 16" Helix, 1-1/4" x 8' Shaft.....	169.53	
<b>13 34 23 14 Fabricated Classroom Buildings</b> <small>(13 34 23)</small>		
<b>13 34 23 14-0001 Semi Permanent Modular Transportable Buildings</b> <small>(13 34 23 14)</small>		
13 34 23 14-0002 SF Portable Classrooms, Complete With Doors, Windows, Fixtures, Toilets And Workroom.....	56.53	
For Each Anchoring Into Asphalt Or Concrete, Add		110.00
For Each Delivery And Set-Up (Block And Level), Add		2,156.24
For Each Knock-Down And Pick-Up, Add		1,506.24
13 34 23 14-0003 SF Modular Classroom, Connected, Complete With Doors, Windows, Fixtures, Toilets And Teachers Work Room.....	58.20	
For Each Anchoring Into Asphalt Or Concrete, Add		110.00
For Each Delivery And Set-Up (Block And Level), Add		2,156.24
For Each Knock-Down And Pick-Up, Add		1,506.24
<b>13 34 23 16 Fabricated Control Booths</b> <small>(13 34 23)</small>		
<b>13 34 23 16-0001 Fabricated Parking Attendant Booths</b> <small>(13 34 23 16)</small>		
Note: Excludes foundations and slab.		
13 34 23 16-0002 EA Parking Booth For Attendant.....	1,012.03	
<b>13 34 23 31 Fabricated Pavilion Style Buildings</b> <small>(13 34 23)</small>		
<b>13 34 23 31-0001 Pavilion Style Metal Shelter Structures</b> <small>(13 34 23 31)</small>		
Note: Prefabricated open structure system, complete with all necessary hardware. Hip roof, steel structural rafters and columns, urethane/polyester (TGIC) powder finish, aluminum roof decking, 8' height at perimeter. Excludes foundations and slab. Americana or equal.		
13 34 23 31-0002 EA 12' x 12' Metal Shelter Structure.....	8,932.34	1,270.00
13 34 23 31-0003 EA 16' x 16' Metal Shelter Structure.....	10,621.23	1,325.24
13 34 23 31-0004 EA 16' x 32' Metal Shelter Structure.....	13,765.95	1,413.59
13 34 23 31-0005 EA 20' x 20' Metal Shelter Structure.....	12,897.02	1,369.41
13 34 23 31-0006 EA 20' x 30' Metal Shelter Structure.....	16,107.64	1,501.93
13 34 23 31-0007 EA 20' x 40' Metal Shelter Structure.....	19,387.07	1,546.10
13 34 23 31-0008 EA 24' x 24' Metal Shelter Structure.....	15,974.89	1,413.59
13 34 23 31-0009 EA 24' x 48' Metal Shelter Structure.....	22,730.40	1,766.98
13 34 23 31-0010 EA 30' x 30' Metal Shelter Structure.....	21,797.21	1,766.98
13 34 23 31-0011 EA 30' x 60' Metal Shelter Structure.....	44,397.68	2,208.72
13 34 23 31-0012 EA 40' x 40' Metal Shelter Structure.....	40,521.79	2,760.41
13 34 23 31-0013 EA 40' x 60' Metal Shelter Structure.....	59,417.65	3,092.22
<b>13 40 Integrated Construction</b> <small>(13)</small>		
<b>13 42 Building Modules</b> <small>(13 40)</small>		
<b>13 42 63 Detention Cell Modules</b> <small>(13 42)</small>		
<b>13 42 63 16 Steel Detention Cell Modules</b> <small>(13 42 63)</small>		
13 42 63 16-0001 EA Bar Front, Rolling, 7/8" Bars, 4" On Center, 7' High, 5' Wide.....	12,918.61	522.70
Note: With hardware.		
13 42 63 16-0002 EA Cells, Prefabricated, 5'-6" Wide, 7'-8" High, Bar Front, Cot.....	17,702.72	699.90
Note: Not including plumbing.		
13 42 63 16-0003 SF Temporary Holding Cell, 1/4" Woven Rod Panels On 2" Centers.....	75.25	4.96
Note: Includes 12 gauge steel frame and concealment plates.		

**13 Special Construction****13 40 Integrated Construction****13 42 Building Modules**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 42 63 16-0004	SF		Solid Security Ceiling, 14 Gauge Formed Steel Channels..... Note: 20" wide, 14 gauge galvanized steel face sheet, 10 gauge steel wall angle, backed polyester powder finish.	56.53	4.96
13 42 63 16-0005	SF		Perforated Metal Crime Shield.....	54.39	2.05
<b>13 47 Facility Protection (13 40)</b>					
<b>13 47 13 Cathodic Protection (13 47)</b>					
<b>13 47 13 13 Cathodic Protection for Underground and Submerged Piping (13 47 13)</b>					
<b>13 47 13 13-0001 Cathodic Joint Bond (13 47 13 13)</b>					
Note: Includes thermite welds with #4 or #6 AWG copper cable as indication per standard details.					
13 47 13 13-0002	EA		Cathodic Pipe Joint Bond.....	130.10	
13 47 13 13-0003	EA		Cathodic Fitting Joint Bond.....	226.33	
13 47 13 13-0004	EA		Cathodic Valve Joint Bond.....	194.25	
13 47 13 13-0005	EA		Cathodic Vault Joint Bond.....	162.17	
13 47 13 13-0006	EA		Cathodic Fire Hydrant Joint Bond.....	130.10	
<b>13 47 13 13-0007 Anodes (13 47 13 13)</b>					
<b>13 47 13 13-0008 Magnesium Type, Conventional (13 47 13 13-0007)</b>					
13 47 13 13-0009	EA		9 LB Magnesium Type Anodes.....	248.57	105.68
13 47 13 13-0010	EA		17 LB Magnesium Type Anodes.....	370.68	152.75
13 47 13 13-0011	EA		32 LB Magnesium Type Anode.....	511.59	196.51
13 47 13 13-0012	EA		48 LB Magnesium Type Anode.....	730.56	274.95
<b>13 47 13 13-0013 Graphite Type (13 47 13 13-0007)</b>					
Note: Includes epoxy cap.					
13 47 13 13-0014	EA		3" x 60" (32 LB) Graphite Type Anodes With Epoxy Cap.....	377.39	148.92
13 47 13 13-0015	EA		4" x 80" (68 LB) Graphite Type Anodes With Epoxy Cap.....	599.40	207.96
13 47 13 13-0016	EA		6" x 36" (45 LB) Graphite Type Anodes With Epoxy Cap.....	463.88	130.14
13 47 13 13-0017	EA		6" x 72" (80 LB) Graphite Type Anodes With Epoxy Cap.....	723.41	173.74
<b>13 47 13 13-0018 Rectifiers (13 47 13 13)</b>					
<b>13 47 13 13-0019 Air Cooled, Silicon Type (13 47 13 13-0018)</b>					
13 47 13 13-0020	EA		Air Cooled Rectifiers, 28 Volt, 10 Amp Silicon Type.....	1,305.62	211.32
13 47 13 13-0021	EA		Air Cooled Rectifiers, 20 Volt / 20 Amp Silicon Type.....	1,415.78	211.32
<b>13 47 13 13-0022 Oil Immersed, Silicon Type (13 47 13 13-0018)</b>					
13 47 13 13-0023	EA		Oil Immersed Rectifiers, 28 Volt, 10 Amp Silicon Type.....	1,982.91	244.35
13 47 13 13-0024	EA		Oil Immersed Rectifiers, 20 Volt / 20 Amp Silicon Type.....	2,100.94	244.35
<b>13 47 13 13-0025 Anode Backfill (13 47 13 13)</b>					
13 47 13 13-0026	LB		Anode Backfill, Coke Breeze.....	0.72	0.27
<b>13 47 13 13-0027 Cathodic Protection Cable (13 47 13 13)</b>					
13 47 13 13-0028	MLF		Cathodic Protection Cable, OR2 - No 8.....	1,381.87	520.57
13 47 13 13-0029	MLF		Cathodic Protection Cable, OR2 - No 6.....	1,532.92	520.57
13 47 13 13-0030	MLF		Cathodic Protection Cable, OR2 - No 4.....	1,759.48	520.57
13 47 13 13-0031	MLF		Cathodic Protection Cable, OR2 - No 2.....	2,137.08	520.57
13 47 13 13-0032	MLF		Cathodic Protection Cable, OR2 - No 1.....	2,655.51	573.56
13 47 13 13-0033	MLF		Cathodic Protection Cable, OR2-No 1/0.....	2,938.71	573.56
13 47 13 13-0034	MLF		Cathodic Protection Cable, OR2-No 2/0.....	3,410.72	573.56
13 47 13 13-0035	MLF		Cathodic Protection Cable, OR2-No 4/0.....	4,646.39	625.22
<b>13 47 13 13-0036 Cathodic Test Stations (13 47 13 13)</b>					
<b>13 47 13 13-0037 Flush Curb Box Type With Lockable Cover And Terminal Box (13 47 13 13-0036)</b>					
13 47 13 13-0038	EA		Cathodic Test Station, Flush Curb Type With Lockable Cover.....	201.30	60.90
<b>13 47 13 16 Cathodic Protection For Underground Storage Tanks (13 47 13)</b>					
See CSI section 13 47 13 13-0000 for cathodic protection for tanks.					
<b>13 48 Sound, Vibration, And Seismic Control (13 40)</b>					
<b>13 48 63 Fabricated Seismic Control Assemblies (13 48)</b>					
<b>13 48 63 00-0001 Seismic Restraints (13 48 63)</b>					
13 48 63 00-0002	EA		1" x 1" Seismic Fastener, Gray, Drilled With 0.187 Diameter Hole..... Note: Adhesive applied.	2.50	0.39
13 48 63 00-0003	EA		1" x 1" Seismic Fastener, Gray, Adhesive Applied.....	2.10	0.19



<b>Special Construction</b>	<b>13</b>
<b>Integrated Construction</b>	<b>13 40</b>
<b>Sound, Vibration, And Seismic Control</b>	<b>13 48</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 48 63 00-0004	EA		1" x 2" Seismic Fastener, Gray, Drilled With (2) 0.187 Diameter Hole..... Note: Adhesive applied.	3.30	0.49
13 48 63 00-0005	EA		1" x 2" Seismic Fastener, Gray, Adhesive Applied .....	2.69	0.24
13 48 63 00-0006	EA		2" x 2" Seismic Fastener, Gray, Adhesive Applied .....	3.43	0.28
13 48 63 00-0007	EA		2" x 3" Seismic Fastener, Gray, Adhesive Applied .....	6.00	0.34
13 48 63 00-0008	LF		3/4" Wide Seismic Strap, Gray .....	2.32	0.29
13 48 63 00-0009	LF		1" Wide Seismic Strap, Gray .....	3.63	0.29
13 48 63 00-0010	EA		3/4" Wide x 4" Long Seismic Strap, Gray.....	1.03	0.19
13 48 63 00-0011	EA		3/4" Wide x 12" Long Seismic Strap, Gray.....	5.13	0.59
13 48 63 00-0012	LF		Seismic Chord, Black.....	1.21	0.29
13 48 63 00-0013	LF		SAFELOK Seismic Fastener, Black.....	1.76	0.29
<b>13 48 63 00-0014</b>			<b>Seismic Bracing Assembly</b> <small>(13 48 63)</small>		
13 48 63 00-0015	EA		4-Bolt Deck Anchor Connection For Seismic Brace..... Note: Includes drilling into concrete, bolts, anchor plate, seismic bracket attached with bolt, nut and washer.	66.62	
13 48 63 00-0016	EA		2 Cable Seismic Brace With Center Threaded Rod Stiffener .....	71.81	
13 48 63 00-0017	EA		3 Cable Seismic Brace With Center Threaded Rod Stiffener .....	105.76	
13 48 63 00-0018	EA		4 Cable Seismic Brace With Center Threaded Rod Stiffener .....	136.71	
13 48 63 00-0019	EA		2 Channel Seismic Brace With Center Threaded Rod Stiffener..... Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	171.12	
13 48 63 00-0020	EA		3 Channel Seismic Brace With Center Threaded Rod Stiffener..... Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	253.24	
13 48 63 00-0021	EA		4 Channel Seismic Brace With Center Threaded Rod Stiffener..... Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	335.34	
13 48 63 00-0022	EA		2 Rod Seismic Brace With Center Threaded Rod Stiffener .....	91.75	
13 48 63 00-0023	EA		3 Rod Seismic Brace With Center Threaded Rod Stiffener .....	134.18	
13 48 63 00-0024	EA		4 Rod Seismic Brace With Center Threaded Rod Stiffener .....	176.60	
<b>13 48 63 00-0025</b>			<b>Seismic Brace Components</b> <small>(13 48 63)</small>		
13 48 63 00-0026	EA		1/8" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-1..... Note: To be used with 7x19 stranded cable.	19.36	
13 48 63 00-0027	EA		3/16" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-2..... Note: To be used with 7x19 stranded cable.	26.76	
13 48 63 00-0028	EA		1/4" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-3..... Note: To be used with 7x19 stranded cable.	35.65	
13 48 63 00-0029	EA		3/8" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-4..... Note: To be used with 7x19 stranded cable.	48.95	
13 48 63 00-0030	EA		Seismic Solid Brace Swivel Anchor; Mason SSB-1 .....	18.15	
13 48 63 00-0031	EA		Seismic Solid Brace Swivel Anchor; Mason SSB-2 .....	24.67	
13 48 63 00-0032	EA		Seismic Solid Brace Swivel Anchor; Mason SSB-3 .....	32.58	
13 48 63 00-0033	EA		Seismic Solid Brace Swivel Anchor; Mason SSB-4 .....	44.21	
13 48 63 00-0034	EA		1/8" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-1..... Note: To be used with 7x19 stranded cable.	22.11	
13 48 63 00-0035	EA		3/16" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-2..... Note: To be used with 7x19 stranded cable.	29.32	
13 48 63 00-0036	EA		1/4" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-3..... Note: To be used with 7x19 stranded cable.	40.95	
13 48 63 00-0037	EA		1/8" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-1..... Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	39.09	
13 48 63 00-0038	EA		3/16" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-2..... Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	55.14	
13 48 63 00-0039	EA		1/4" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-3..... Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	75.38	
13 48 63 00-0040	EA		Seismic Rod Clamp; Mason SRC-1 .....	16.48	
13 48 63 00-0041	EA		Seismic Rod Clamp; Mason SRC-1 1/2..... Note: To be used on 3/8" through 1" rod. 1-1/2" x 1-1/2" x 1/4" Angle or Stiffener not included.	20.20	
13 48 63 00-0042	EA		Seismic Rod Clamp; Mason SRC-2..... Note: To be used on 3/8" through 1-1/4" rod. 2" x 2" x 1/4" Angle or Stiffener not included.	25.31	

**13 49 Radiation Protection** (13 40)**13 49 13 Integrated X-Ray Shielding Assemblies** (13 49)**13 49 13 00-0001 Lead Shielding** (13 49 13)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
			See CSI section 09 29 10 00-0047 for finishing tasks.		
13 49 13 00-0002	SF		1/16" Sheet Lead Shielding .....	27.71	2.36
13 49 13 00-0003	SF		1/8" Sheet Lead Shielding .....	51.11	2.55
13 49 13 00-0004	SF		1/4" Sheet Lead Shielding .....	95.98	2.75
13 49 13 00-0005	SF		1/2" Sheet Lead Shielding .....	187.98	3.54

**13 Special Construction****13 40 Integrated Construction****13 49 Radiation Protection**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**13 49 16 Modular X-Ray Shielding Rooms (13 49)**

13 49 16 00-0001	X-Ray Barriers, Modular (13 49 16)		
	Note: Panels mounted within framework for attaching to floor, wall or ceiling, upper portion is clear lead plastic window panels 48" high, lower portion is opaque leaded steel panels 36" high. Excludes structural supports.		
13 49 16 00-0002	1-Section Barrier, 36"W x 84"H (13 49 16 00-0001)		
13 49 16 00-0003	EA 0.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High .....	4,588.83	62.31
13 49 16 00-0004	EA 0.8mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High .....	4,875.00	62.31
13 49 16 00-0005	EA 1.0mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High .....	5,014.38	74.77
13 49 16 00-0006	EA 1.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High .....	5,357.79	74.77
13 49 16 00-0007	2-Section Barrier, 72"W x 84"H (13 49 16 00-0001)		
13 49 16 00-0008	EA 0.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	9,871.85	99.70
13 49 16 00-0009	EA 0.8mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	10,272.48	99.70
13 49 16 00-0010	EA 1.0mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	10,583.59	112.16
13 49 16 00-0011	EA 1.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H.....	11,409.76	124.62
13 49 16 00-0012	3-Section Barrier, 108"W x 84"H (13 49 16 00-0001)		
13 49 16 00-0013	EA 0.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	15,015.46	124.62
13 49 16 00-0014	EA 0.8mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	15,759.50	124.62
13 49 16 00-0015	EA 1.0mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	16,095.53	149.54
13 49 16 00-0016	EA 1.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H.....	17,265.07	162.01
13 49 16 00-0017	X-Ray Barriers, Mobile (13 49 16)		
	Note: Mounted within framework with casters on bottom, clear lead plastic window panels on upper portion, opaque on lower.		
13 49 16 00-0018	30"W x 75"H, Includes Framework (13 49 16 00-0017)		
13 49 16 00-0019	EA 24"H Upper With 0.5mm LE, 48"H Lower With 0.8mm LE Mobile X-Ray Barriers.....	3,167.49	9.82
13 49 16 00-0020	48"W x 75"H, Includes Framework (13 49 16 00-0017)		
13 49 16 00-0021	EA 36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers.....	5,628.53	9.82
13 49 16 00-0022	EA 36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers.....	6,773.20	9.82
13 49 16 00-0023	72"W x 75"H, Includes Framework (13 49 16 00-0017)		
13 49 16 00-0024	EA 36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers.....	6,658.73	9.82
13 49 16 00-0025	EA 36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers.....	8,432.97	9.82

**13 49 19 Lead-Lined Materials (13 49)****13 49 19 16 Lead-Lined Drywall (13 49 19)**

13 49 19 16-0001	Lead Lined Drywall (13 49 19 16)		
	See CSI section 09 29 10 00-0047 for finishing tasks.		
13 49 19 16-0002	SF 1/32" Lead Lined 5/8" Fire Rated Drywall .....	16.17	0.52
13 49 19 16-0003	SF 1/16" Lead Lined 5/8" Fire Rated Drywall .....	29.60	0.62
13 49 19 16-0004	SF 1/8" Lead Lined 5/8" Fire Rated Drywall .....	56.29	0.74

**END OF SECTION 13**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 14 Conveying Equipment

### 14 01 Operation And Maintenance Of Conveying Equipment<sup>(14)</sup>

#### 14 01 20 Operation And Maintenance Of Elevators<sup>(14 01)</sup>

##### 14 01 20 71 Elevator Rehabilitation<sup>(14 01 20)</sup>

##### 14 01 20 71-0001 Elevator Maintenance<sup>(14 01 20 71)</sup>

14 01 20 71-0002	EA	Regular Routine Elevator Inspection, Traction Up to 10 floors (Sufficient for Issue of Certificate/Permit) .....	229.38	
14 01 20 71-0003	EA	Regular Routine Elevator Inspection, Traction Over 10 floors (Sufficient for Issue of Certificate/Permit) .....	344.08	
14 01 20 71-0004	EA	Regular Routine Elevator Inspection, Hydraulic (Sufficient for Issue of Certificate/Permit) .....	229.38	
14 01 20 71-0005	EA	Regular Routine Elevator Inspection, Roped Hydraulic (Sufficient for Issue of Certificate/Permit) .....	229.38	
14 01 20 71-0006	EA	Regular Routine Elevator Inspection, Dumbwaiter/Cart Lifts (Sufficient for Issue of Certificate/Permit) .....	229.38	
14 01 20 71-0007	HR	Elevator Servicing - Hydraulic, Labor Only .....	106.93	
14 01 20 71-0008	HR	Elevator Servicing - Traction, Labor Only .....	213.85	
14 01 20 71-0009	EA	Annual Category 1 Test for Traction Up to 10 floors .....	800.95	
14 01 20 71-0010	EA	Annual Category 1 Test for Traction Over 10 floors .....	800.95	
14 01 20 71-0011	EA	Annual Category 1 Test for Hydraulic Elevator .....	800.95	
14 01 20 71-0012	EA	Annual Category 1 Test for Roped Hydraulic Elevator .....	800.95	
14 01 20 71-0013	EA	Annual Category 1 Test for Dumbwaiter/Cart Lifts .....	600.71	
14 01 20 71-0014	EA	Full Load Test for Traction Up to 10 floors .....	1,601.88	
14 01 20 71-0015	EA	Full Load Test for Traction Over 10 floors .....	1,601.88	
14 01 20 71-0016	EA	Full Load Test for Hydraulic Elevator .....	1,601.88	
14 01 20 71-0017	EA	Full Load Test for Roped Hydraulic Elevator .....	1,601.88	
14 01 20 71-0018	EA	Full Load Test for Dumbwaiter/Cart Lifts .....	1,201.41	
14 01 20 71-0019	EA	Acceptance Test for Traction Up to 10 floors .....	1,293.94	
14 01 20 71-0020	EA	Acceptance Test for Traction Over 10 floors .....	1,293.94	
14 01 20 71-0021	EA	Acceptance Test for Hydraulic Elevator .....	1,293.94	
14 01 20 71-0022	EA	Acceptance Test for Roped Hydraulic Elevator .....	1,293.94	
14 01 20 71-0023	EA	Acceptance Test for Dumbwaiter/Cart Lifts .....	1,293.94	

##### 14 01 20 71-0024 Elevator Modernization<sup>(14 01 20 71)</sup>

14 01 20 71-0025	EA	5" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM) .....	19,200.28	4,923.61
		Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.		
		For Union-Guard Cathodic Protection, Add	5,329.70	
		Note: Includes Pump.		
		For An Additional Stop, Add	6,117.54	
		Note: Includes Removal.		
14 01 20 71-0026	EA	6" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM) .....	21,650.22	5,949.35
		Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.		
		For Union-Guard Cathodic Protection, Add	5,382.42	
		Note: Includes Pump.		
		For An Additional Stop, Add	6,500.54	
		Note: Includes Removal.		
14 01 20 71-0027	EA	8" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM) .....	28,860.26	8,206.00
		Note: Includes replacing existing piston/cylinder, 12 3/4" Sealed PVC, pit channel and buffers.		
		For Union-Guard Cathodic Protection, Add	6,225.94	
		Note: Includes Pump.		
		For An Additional Stop, Add	8,363.54	
		Note: Includes Removal.		
14 01 20 71-0028	EA	Replace Multi-Port Controller Valve .....	3,101.68	1,230.90
14 01 20 71-0029	EA	5 Gallon Container Of Hydraulic Oil For Elevator Modernization .....	33.48	
14 01 20 71-0030	EA	55 Gallon Container Of Hydraulic Oil For Elevator Modernization .....	331.87	
14 01 20 71-0031	SET	Car Roller Guide Assembly, Set Of Four .....	2,321.15	410.30
		Note: Includes cover plate.		
14 01 20 71-0032	SET	CWT Roller Guide Assembly, Set Of Four .....	1,979.52	410.30
		Note: Includes cover plate.		
14 01 20 71-0033	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Baked Enamel Finish .....	4,471.76	
		Note: Excludes buildback.		
14 01 20 71-0034	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Satin Stainless Finish .....	4,893.52	
		Note: Excludes buildback.		
14 01 20 71-0035	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Baked Enamel Finish .....	4,742.74	
		Note: Excludes buildback.		
14 01 20 71-0036	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Satin Stainless Finish .....	5,164.50	
		Note: Excludes buildback.		
14 01 20 71-0037	SF	Cab Flooring, Epoxy Aggregate .....	50.99	11.72
		Note: SF cost not applicable for partial cab flooring.		
14 01 20 71-0038	SF	Cab Flooring, Aluminum Diamond Plate .....	43.50	11.72
		Note: SF cost not applicable for partial cab flooring.		
14 01 20 71-0039	EA	Solid State Starting (Soft Start) .....	3,866.90	410.30
14 01 20 71-0040	EA	Pump Unit (Tank, Valve, Oil, Motor And Victaulic Fittings) .....	13,535.30	2,051.50
14 01 20 71-0041	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Side Slide (GAL) .....	1,365.86	410.30
14 01 20 71-0042	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Side Slide (GAL) .....	285.28	205.15
14 01 20 71-0043	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Side Slide (GAL) .....	252.60	205.15
14 01 20 71-0044	EA	Hoistway Door Interlock Set, Single Speed Side Slide (GAL) .....	356.98	205.15
14 01 20 71-0045	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Center Opening (GAL) .....	1,531.40	410.30
14 01 20 71-0046	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Center Opening (GAL) .....	365.42	205.15
14 01 20 71-0047	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Center Opening (GAL) .....	252.60	205.15

**14 Conveying Equipment**  
**14 01 Operation And Maintenance Of Conveying Equipment**  
**14 01 20 Operation And Maintenance Of Elevators**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01	20 71-0048	EA	Hoistway Door Interlock Set, Single Speed Center Opening (GAL).....	431.85	205.15
14 01	20 71-0049	EA	Fire Service Key Switch Contoller.....	2,190.40	410.30
14 01	20 71-0050	EA	ADA Telephone (Rath Microtech).....	1,042.48	205.15
14 01	20 71-0051	EA	Car Door Operator With ADA Buzzer, Single Speed Side Slide (GAL).....	4,960.73	820.60
14 01	20 71-0052	EA	Car Door Operator With ADA Buzzer, Single Speed Center Opening (GAL).....	5,097.80	820.60
14 01	20 71-0053	EA	Car Door Safety Edge (Infrared Proximity Type Edge).....	1,085.71	205.15
14 01	20 71-0054	EA	Car Operating Panel (ADA, Fire, Position, Chime).....	4,992.36	820.60
14 01	20 71-0055	EA	Car Position LED Indicator And Cover Plate, Stainless Steel.....	1,406.25	205.15
14 01	20 71-0056	EA	Car Traveling Lanterns With Audible Signal.....	931.77	205.15
14 01	20 71-0057	EA	Hoistway Door Jamb Floor Tags (Braille).....	140.53	102.57
14 01	20 71-0058	EA	Lobby Vandal Resistant Call Station.....	879.05	205.15
14 01	20 71-0059	LF	Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial)..... Note: Excludes Removal and Replacement of Material. See CSI section 14 01 20 71-0060 for Removal and Replacement of Traveling Cable.	12.19	
14 01	20 71-0060	EA	Removal And Replacement Of Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial)..... Note: Excludes Traveling Cable material. See CSI section 14 01 20 71-0059 for Traveling Cable material.	3,282.40	1,641.20
14 01	20 71-0061	LF	Governor Cable..... Note: Removal and Replacement of Governor Cable is part of Traveling Cable Removal and Replacement.	0.95	
14 01	20 71-0062	EA	Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Plastic Laminate - Hang On Panels).....	3,339.70	410.30
14 01	20 71-0063	EA	Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Rigid Stainless Steel - Hang On Panels).....	5,237.62	410.30
14 01	20 71-0064	EA	Removal And Replacement Of Governor.....	3,149.91	410.30
14 01	20 71-0065	EA	Removal And Replacement Of Car Station.....	4,992.36	820.60
14 01	20 71-0066	EA	Removal And Replacement Of Telephone.....	1,042.48	205.15
14 01	20 71-0067	EA	Removal And Replacement Of Lanterns (Hall).....	984.49	205.15
14 01	20 71-0068	EA	Hall Call Buttons, Vandal Resistant.....	826.33	205.15
14 01	20 71-0069	EA	Hall Traveling Lanterns With Audible Signal.....	984.49	205.15
14 01	20 71-0070	EA	Add Raised Character (Braille) Signage To Control Panel.....	114.91	102.57
14 01	20 71-0071	EA	New Microprocessor Based Controller (Non-Proprietary).....	24,957.21	3,282.40
14 01	20 71-0072	EA	New Steel Shell And Canopy (Plastic Panels Not Included), For 5' x 7' Cab.....	15,467.61	3,282.40
14 01	20 71-0073	EA	New Steel Shell, Canopy And Platform (Plastic Laminate Not Included), For 5' x 7' Cab.....	24,022.00	3,282.40
14 01	20 71-0074	EA	Replace Elevator Or Hoistway Doors (Single Slide Door Arrangement), Baked Enamel.....	1,863.54	410.30
14 01	20 71-0075	EA	Replace Elevator Or Hoistway Doors (Center Opening Door Arrangement), Baked Enamel.....	1,968.98	410.30
14 01	20 71-0076	EA	Replace Elevator Or Hoistway Doors (Single Slide Door Arrangement), Stainless Steel.....	2,084.96	410.30
14 01	20 71-0077	EA	Replace Elevator Or Hoistway Doors (Center Opening Door Arrangement), Stainless Steel.....	2,211.49	410.30
14 01	20 71-0078	EA	Elevator Pit Ladder, Steel..... Note: Labor cost is for bolting to concrete pit wall.	1,142.65	205.15
14 01	20 71-0079	EA	New Steel Shell, Canopy, Platform, Standard Cab Plastic Laminate, For 5' x 7' Cab.....	29,880.80	3,282.40
14 01	20 71-0080	LF	Replace Hoisting Cable, 3/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 4.5, EHS Traction Steel - 5.5..... Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.	83.01	41.03
14 01	20 71-0081	LF	Replace Hoisting Cable, 1/2" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 6.0, EHS Traction Steel - 9.7..... Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.	83.38	41.03
14 01	20 71-0082	LF	Replace Hoisting Cable, 5/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 12.7, EHS Traction Steel - 15.4..... Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.	83.72	41.03
14 01	20 71-0083	EA	Hydraulic Leak Detector And Alarm in Elevator Pit (Stancor Oil Minder - 0.5 HP).....	5,478.02	410.30
14 01	20 71-0084	EA	6" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening)..... Note: Cladding typically done by metal company.	2,179.86	410.30
14 01	20 71-0085	EA	8" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening)..... Note: Cladding typically done by metal company.	2,232.58	410.30
14 01	20 71-0086	EA	10" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening)..... Note: Cladding typically done by metal company.	2,285.30	410.30
14 01	20 71-0087	EA	12" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening)..... Note: Cladding typically done by metal company.	2,348.56	410.30
14 01	20 71-0088	EA	"Rope Gripper" With Pumping Unit For Use On 4-7/8" Maximum Out to Out Of Cable.....	4,921.30	410.30
14 01	20 71-0089	EA	"Rope Gripper" With Pumping Unit For Use On 6" Maximum Out to Out Of Cable.....	4,921.30	410.30
14 01	20 71-0090	EA	"Rope Gripper" With Pumping Unit For Use On 10" Maximum Out to Out Of Cable.....	7,030.10	410.30
14 01	20 71-0091	EA	"Rope Gripper" With Pumping Unit For Use On 11-1/2" Maximum Out to Out Of Cable.....	8,084.50	410.30
14 01	20 71-0092	EA	60 Amp Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock.....	2,877.36	101.47
14 01	20 71-0093	EA	100 Amp Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock.....	3,010.35	121.76
14 01	20 71-0094	EA	200 Amp Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock.....	4,049.05	142.05
14 01	20 71-0095	EA	Aluminum Handrail Spacers With Set Screw.....	124.47	102.57
14 01	20 71-0096	EA	Bronze Handrail Spacers With Set Screw.....	127.39	102.57
14 01	20 71-0097	LF	1/2" x 2" Round Stainless Steel Elevator Handrail.....	86.76	24.13
14 01	20 71-0098	LF	3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish.....	83.32	24.13
14 01	20 71-0099	LF	3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish.....	99.39	24.13
14 01	20 71-0100	LF	3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish.....	110.27	24.13
14 01	20 71-0101	LF	3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish.....	126.46	24.13
14 01	20 71-0102	LF	3/8" x 2" Flat Bar Bronze Steel Elevator Handrail, Brushed Finish.....	101.41	24.13
14 01	20 71-0103	LF	3/8" x 3" Flat Bar Bronze Steel Elevator Handrail, Brushed Finish.....	115.71	24.13
14 01	20 71-0104	LF	3/8" x 2" Flat Bar Bronze Steel Elevator Handrail, Mirror Finish.....	181.31	24.13
14 01	20 71-0105	LF	3/8" x 3" Flat Bar Bronze Steel Elevator Handrail, Mirror Finish.....	204.00	24.13
14 01	20 71-0106	LF	3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish.....	82.77	24.13
14 01	20 71-0107	LF	3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish.....	83.65	24.13
14 01	20 71-0108	LF	3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish.....	107.40	24.13
14 01	20 71-0109	LF	3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish.....	100.40	24.13
14 01	20 71-0110	LF	3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish.....	107.86	24.13
14 01	20 71-0111	LF	3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish.....	135.71	24.13
14 01	20 71-0112	LF	3/8" x 1-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish.....	103.94	24.13
14 01	20 71-0113	LF	3/8" x 2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish.....	106.35	24.13
14 01	20 71-0114	LF	3/8" x 2-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish.....	179.61	24.13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01 20 71-0115 LF 3/8" x 1-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Mirror Finish.....	117.10	24.13
14 01 20 71-0116 LF 3/8" x 2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish.....	180.07	24.13
14 01 20 71-0117 LF 3/8" x 2-1/2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish.....	204.00	24.13

**14 01 30 Operation And Maintenance Of Escalators And Moving Walks**

**14 01 30 71 Escalators and Moving Walks Rehabilitation** (14 01 30)

**14 01 30 71-0001 Maintenance** (14 01 30 71)

14 01 30 71-0002 EA Regular Escalator Inspection (Sufficient For Issue Of Certificate/Permit).....	471.76
14 01 30 71-0003 HR Escalator Servicing, Labor Only.....	106.93
14 01 30 71-0004 EA Acceptance Test Of Escalators And Moving Walks.....	2,594.67

**14 01 30 71-0005 Modernization** (14 01 30 71)

14 01 30 71-0006 EA Replace 28" Wide Escalator Stair Tread.....	1,255.02
14 01 30 71-0007 EA Replace 36" Wide Escalator Stair Tread.....	1,352.52
14 01 30 71-0008 EA Replace 48" Wide Escalator Stair Tread.....	1,426.30
14 01 30 71-0009 EA Replace 54" Wide Escalator Stair Tread.....	1,542.45
14 01 30 71-0010 LF Replace Sliding Handrail.....	115.36

**14 20 Elevators** (14)

Note: Excludes final electrical work or shaft walls.

**14 21 Electric Traction Elevators** (14 20)

**14 21 13 Electric Traction Freight Elevators** (14 21)

**14 21 13 00-0001 Electric Traction Freight Elevators** (14 21 13)

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings with power doors.

14 21 13 00-0002 EA Electric Traction Freight Elevator, 4,000 LB x 200 FPM.....	299,079.74
For Each Opening With Bonderized Steel Door, Add	200.00
For Each Opening With Stainless Steel Doors, Add	500.00
For Each Opening With Two Speed Doors, Add	500.00
For Custom Plastic Laminated Cab Interiors, Add	4,000.00
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00
For Stainless Steel Cab Interior, Add	8,000.00
For Elevator With Manual Door, Deduct	-10,000.00
For Class "C-2" Loading, Add	2,000.00
For Removal Of Existing Stop, Add	5,329.65
For Each Additional Stop, Add	27,324.13
For Each Floor < 6 Stops, Deduct	-23,993.06
For Each Additional 50 FPM, Add	6,000.00
For Removal Of Existing Elevator, Add	26,648.26
14 21 13 00-0003 EA Electric Traction Freight Elevator, 6,000 LB x 200 FPM.....	342,839.45
For Elevator With Manual Door, Deduct	-10,000.00
For Class "C-2" Loading, Add	4,000.00
For Custom Plastic Laminated Cab Interiors, Add	5,000.00
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	7,000.00
For Stainless Steel Cab Interior, Add	9,000.00
For Removal Of Existing Stop, Add	5,329.65
For Each Additional Stop, Add	28,324.13
For Each Additional 50 FPM, Add	6,000.00
For Each Opening With Bonderized Steel Door, Add	300.00
For Each Opening With Stainless Steel Doors, Add	600.00
For Each Opening With Two Speed Doors, Add	700.00
For Removal Of Existing Elevator, Add	26,648.26
For Each Floor < 6 Stops, Deduct	-24,993.06
14 21 13 00-0004 EA Electric Traction Freight Elevator, 8,000 LB x 200 FPM.....	364,499.30
For Elevator With Manual Door, Deduct	-10,000.00
For Each Additional 50 FPM, Add	10,000.00
For Class "C-2" Loading, Add	8,000.00
For Removal Of Existing Stop, Add	5,329.65
For Each Additional Stop, Add	28,324.13
For Each Opening With Bonderized Steel Door, Add	400.00
For Each Opening With Stainless Steel Doors, Add	700.00
For Each Opening With Two Speed Doors, Add	800.00
For Custom Plastic Laminated Cab Interiors, Add	6,000.00
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	8,000.00
For Stainless Steel Cab Interior, Add	10,000.00
For Removal Of Existing Elevator, Add	26,648.26
For Each Floor < 6 Stops, Deduct	-24,993.06

**14 21 23 Electric Traction Passenger Elevators** (14 21)

**14 21 23 13 Machine Room Electric Traction Passenger Elevators** (14 21 23)

**14 21 23 13-0001 Electric Traction Passenger Elevators** (14 21 23 13)

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of \$7,500. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings.



**14 Conveying Equipment****14 20 Elevators****14 21 Electric Traction Elevators**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 21 23	13-0002	EA	Electric Traction Passenger Elevator, 2,500 LB x 200 FPM .....	248,434.02	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00	
			<i>For Stainless Steel Cab Interior, Add</i>	8,000.00	
			<i>For Each Additional 50 FPM, Add</i>	1,000.00	
			<i>For Removal Of Existing Stop, Add</i>	2,664.83	
			<i>For Each Additional Stop, Add</i>	27,324.13	
			<i>For Each Floor &lt; 6 Stops, Deduct</i>	-16,662.06	
			<i>For Removal Of Existing Elevator, Add</i>	19,986.20	
14 21 23	13-0003	EA	Electric Traction Passenger Elevator, 3,000 LB x 200 FPM .....	249,993.48	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00	
			<i>For Stainless Steel Cab Interior, Add</i>	8,000.00	
			<i>For Each Additional 50 FPM, Add</i>	1,000.00	
			<i>For Removal Of Existing Stop, Add</i>	2,664.83	
			<i>For Each Additional Stop, Add</i>	27,324.13	
			<i>For Each Floor &lt; 6 Stops, Deduct</i>	-16,662.06	
			<i>For Removal Of Existing Elevator, Add</i>	19,986.20	
14 21 23	13-0004	EA	Electric Traction Passenger Elevator, 3,500 LB x 200 FPM .....	251,509.70	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00	
			<i>For Stainless Steel Cab Interior, Add</i>	8,000.00	
			<i>For Each Additional 50 FPM, Add</i>	1,000.00	
			<i>For Removal Of Existing Stop, Add</i>	2,664.83	
			<i>For Each Additional Stop, Add</i>	27,324.13	
			<i>For Each Floor &lt; 6 Stops, Deduct</i>	-16,662.06	
			<i>For Removal Of Existing Elevator, Add</i>	19,986.20	

**14 24 Hydraulic Elevators** (14 20)

Note: Prices are for a complete operating elevator including all standard controls, hydraulic motor and devices based on unit with cab sized 5' by 8' with galvanized primed shaft door with cab allowances as listed below.

**14 24 13 Hydraulic Freight Elevators** (14 24)**14 24 13 00-0001 Hydraulic Freight Elevators** (14 24 13)

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings with power doors.

14 24 13	00-0002	EA	Hydraulic Freight Elevator, 4,000 LB x 50 FPM .....	157,715.87	
			<i>For Each Additional Stop, Add</i>	16,665.06	
			<i>For &lt; 3 Stops, Deduct</i>	-14,000.00	
			<i>Note: Would be holeless hydraulic at 2 stops.</i>		
			<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
			<i>For Each Opening With Two Speed Doors, Add</i>	500.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00	
			<i>For Stainless Steel Cab Interior, Add</i>	8,000.00	
			<i>For Each Additional 50 FPM, Add</i>	2,000.00	
			<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
			<i>For Class "C-2" Loading, Add</i>	2,000.00	
			<i>For Well Hole Drilling (12" Diameter Hole), Add</i>	170.00	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" Steel Liner, Add</i>	90.00	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Removal Of Existing Stop, Add</i>	5,329.65	
14 24 13	00-0003	EA	Hydraulic Freight Elevator, 5,000 LB x 50 FPM .....	161,933.47	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
			<i>For Each Opening With Two Speed Doors, Add</i>	500.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00	
			<i>For Stainless Steel Cab Interior, Add</i>	8,000.00	
			<i>For Each Additional 50 FPM, Add</i>	2,000.00	
			<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
			<i>For Each Additional Stop, Add</i>	17,665.06	
			<i>For &lt; 3 Stops, Deduct</i>	-15,000.00	
			<i>Note: Would be holeless hydraulic at 2 stops.</i>		
			<i>For Class "C-2" Loading, Add</i>	4,000.00	
			<i>For Well Hole Drilling (12" Diameter Hole), Add</i>	170.00	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" Steel Liner, Add</i>	90.00	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Removal Of Existing Stop, Add</i>	5,329.65	



<b>Conveying Equipment</b>	<b>14</b>
Elevators	14 20
Hydraulic Elevators	14 24

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0004 EA Hydraulic Freight Elevator, 6,000 LB x 50 FPM .....	171,701.93	
For Each Opening With Bonderized Steel Door, Add	200.00	
For Each Opening With Stainless Steel Doors, Add	500.00	
For Each Opening With Two Speed Doors, Add	500.00	
For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
For Stainless Steel Cab Interior, Add	8,000.00	
For Elevator With Manual Door, Deduct	-10,000.00	
For Each Additional Stop, Add	17,665.06	
For < 3 Stops, Deduct	-15,000.00	
Note: Would be holeless hydraulic at 2 stops.		
For Each Additional 50 FPM, Add	10,000.00	
For Class "C-2" Loading, Add	8,000.00	
For Well Hole Drilling (12" Diameter Hole), Add	170.00	
Note: Includes Labor and Equipment.		
For 12" Steel Liner, Add	90.00	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Removal Of Existing Stop, Add	5,329.65	
14 24 13 00-0005 EA Hydraulic Freight Elevator, 8,000 LB x 50 FPM .....	183,579.19	
For Each Opening With Bonderized Steel Door, Add	200.00	
For Each Opening With Stainless Steel Doors, Add	500.00	
For Each Opening With Two Speed Doors, Add	500.00	
For Elevator With Manual Door, Deduct	-10,000.00	
For Each Additional Stop, Add	17,665.06	
For < 3 Stops, Deduct	-15,000.00	
Note: Would be holeless hydraulic at 2 stops.		
For Custom Plastic Laminated Cab Interiors, Add	5,000.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	7,000.00	
For Stainless Steel Cab Interior, Add	9,000.00	
For Each Additional 50 FPM, Add	11,000.00	
For Class "C-2" Loading, Add	10,000.00	
For Well Hole Drilling (12" Diameter Hole), Add	170.00	
Note: Includes Labor and Equipment.		
For 12" Steel Liner, Add	90.00	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Removal Of Existing Stop, Add	5,329.65	
<b>14 24 13 00-0006 Hydraulic Elevators Piston Drilling <sup>(14 24 13)</sup></b>		
14 24 13 00-0007 VLF Up To 6" Diameter Piston Drilling .....	54.60	
Note: Includes casing.		
14 24 13 00-0008 VLF 8" To 10" Diameter Piston Drilling.....	65.20	
Note: Includes casing.		
<b>14 24 23 Hydraulic Passenger Elevators <sup>(14 24)</sup></b>		
<b>14 24 23 00-0001 Hydraulic Passenger Elevators <sup>(14 24 23)</sup></b>		
Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of \$7,500. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings.		
14 24 23 00-0002 EA Hydraulic Passenger Elevator, 2,100 LB x 100 FPM .....	106,799.54	
For Each Additional Stop, Add	16,665.06	
For Each Opening With Bonderized Steel Door, Add	200.00	
For Each Opening With Stainless Steel Doors, Add	500.00	
For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
For Stainless Steel Cab Interior, Add	8,000.00	
For Well Hole Drilling (12" Diameter Hole), Add	170.00	
Note: Includes Labor and Equipment.		
For 12" Steel Liner, Add	90.00	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Each Additional 50 FPM, Add	1,000.00	
For Removal Of Existing Elevator, Add	13,332.63	
For Removal Of Existing Stop, Add	2,664.83	
For < 3 Stops, Deduct	-10,000.00	
Note: Would be holeless hydraulic at 2 stops.		
14 24 23 00-0003 EA Hydraulic Passenger Elevator, 2,500 LB x 100 FPM .....	108,908.34	
For Each Additional Stop, Add	16,665.06	
For Each Opening With Bonderized Steel Door, Add	200.00	
For Each Opening With Stainless Steel Doors, Add	500.00	
For Custom Plastic Laminated Cab Interiors, Add	4,000.00	
For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	6,000.00	
For Stainless Steel Cab Interior, Add	8,000.00	
For Well Hole Drilling (12" Diameter Hole), Add	170.00	
Note: Includes Labor and Equipment.		
For 12" Steel Liner, Add	90.00	
Note: Liner for Hydraulic Elevator Well Hole if necessary.		
For Each Additional 50 FPM, Add	1,000.00	
For Removal Of Existing Elevator, Add	13,332.63	
For Removal Of Existing Stop, Add	2,664.83	
For < 3 Stops, Deduct	-10,000.00	
Note: Would be holeless hydraulic at 2 stops.		

**14 Conveying Equipment****14 20 Elevators****14 24 Hydraulic Elevators**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0004	EA		Hydraulic Passenger Elevator, 3,500 LB x 100 FPM .....	115,513.59	
			<i>For Each Additional Stop, Add</i>	16,665.06	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00	
			<i>For Stainless Steel Cab Interior, Add</i>	8,000.00	
			<i>For Well Hole Drilling (12" Diameter Hole), Add</i>	170.00	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" Steel Liner, Add</i>	90.00	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Each Additional 50 FPM, Add</i>	1,000.00	
			<i>For Removal Of Existing Elevator, Add</i>	13,332.63	
			<i>For Removal Of Existing Stop, Add</i>	2,664.83	
			<i>For &lt; 3 Stops, Deduct</i>	-10,000.00	
			<i>Note: Would be holeless hydraulic at 2 stops.</i>		
14 24 23 00-0005	EA		Hydraulic Passenger Elevator, 5,000 LB x 100 FPM .....	118,234.57	
			<i>For Each Additional Stop, Add</i>	16,665.06	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	200.00	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	500.00	
			<i>For Each Opening With Two Speed Doors, Add</i>	500.00	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,000.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,000.00	
			<i>For Stainless Steel Cab Interior, Add</i>	8,000.00	
			<i>For Well Hole Drilling (12" Diameter Hole), Add</i>	170.00	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" Steel Liner, Add</i>	90.00	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Each Additional 50 FPM, Add</i>	1,000.00	
			<i>For Removal Of Existing Elevator, Add</i>	13,332.63	
			<i>For Removal Of Existing Stop, Add</i>	2,664.83	
			<i>For &lt; 3 Stops, Deduct</i>	-10,000.00	
			<i>Note: Would be holeless hydraulic at 2 stops.</i>		
14 24 23 00-0006			<b>Twin Jack Holeless Hydraulic Passenger Elevator</b> <sup>(14 24 23)</sup>		
			<i>Note: Baked enamel shaft doors and plastic laminated trimmed cab. Excludes flooring, shaft construction/alterations, pit or mechanical room construction. Connect to established utilities.</i>		
14 24 23 00-0007	EA		Hydraulic Passenger Elevator, 2,000 LB, 80 FPM, 3 Stops, 3 Openings.....	60,562.53	5,794.64
14 24 23 00-0008	EA		Hydraulic Passenger Elevator, 2,000 LB, 80 FPM, 2 Stops, 2 Openings.....	45,515.93	4,950.91

**14 26 Limited-Use/Limited-Application Elevators** <sup>(14 20)</sup>**14 26 00 00-0001 Small Elevators (LULA)** <sup>(14 26)</sup>

14 26 00 00-0002	EA		Small Elevators (LULA), 1,400 LB x 30 FPM .....	53,236.40	
			<i>Note: 3 phase, automatic operation, includes cab interior, telephone box and telephone. 2 stops and 12 feet of rise.</i>		
			<i>For Each Additional Stop, Add</i>	14,997.23	
			<i>For Removal Of Existing Elevator, Add</i>	3,997.23	

**14 30 Escalators And Moving Walks** <sup>(14)</sup>**14 31 Escalators** <sup>(14 30)</sup>**14 31 00 00-0001 Escalators Stainless Steel Construction** <sup>(14 31)</sup>

*Note: Prices are medians and are based on each moving stairway. Complete, includes all standard accessories and single microprocessor controlled electronic display sign packages, LED.*

14 31 00 00-0002	EA		Escalators Stainless Steel, 32" Wide x 12' Floor To Floor Height.....	129,921.85	7,563.90
14 31 00 00-0003	EA		Escalators Stainless Steel, 32" Wide x 15' Floor To Floor Height.....	142,991.38	8,939.15
14 31 00 00-0004	EA		Escalators Stainless Steel, 32" Wide x 18' Floor To Floor Height.....	155,508.42	10,314.41
14 31 00 00-0005	EA		Escalators Stainless Steel, 32" Wide x 22' Floor To Floor Height.....	171,055.93	12,377.29
14 31 00 00-0006	EA		Escalators Stainless Steel, 32" Wide x 25' Floor To Floor Height.....	189,123.16	13,752.54
14 31 00 00-0007	EA		Escalators Stainless Steel, 36" Wide x 12' Floor To Floor Height.....	137,555.89	8,045.24
14 31 00 00-0008	EA		Escalators Stainless Steel, 36" Wide x 15' Floor To Floor Height.....	151,581.39	9,626.78
14 31 00 00-0009	EA		Escalators Stainless Steel, 36" Wide x 18' Floor To Floor Height.....	164,041.30	11,002.04
14 31 00 00-0010	EA		Escalators Stainless Steel, 36" Wide x 22' Floor To Floor Height.....	183,715.96	13,821.31
14 31 00 00-0011	EA		Escalators Stainless Steel, 36" Wide x 25' Floor To Floor Height.....	198,457.00	14,852.74
14 31 00 00-0012	EA		Escalators Stainless Steel, 48" Wide x 12' Floor To Floor Height.....	145,378.53	8,526.58
14 31 00 00-0013	EA		Escalators Stainless Steel, 48" Wide x 15' Floor To Floor Height.....	160,575.55	10,314.41
14 31 00 00-0014	EA		Escalators Stainless Steel, 48" Wide x 18' Floor To Floor Height.....	172,500.48	11,689.67
14 31 00 00-0015	EA		Escalators Stainless Steel, 48" Wide x 22' Floor To Floor Height.....	197,092.94	14,577.70
14 31 00 00-0016	EA		Escalators Stainless Steel, 48" Wide x 25' Floor To Floor Height.....	209,380.82	15,952.95
14 31 00 00-0017	EA		Escalator Fire Shutter Fusible Link .....	20,177.83	275.05

**14 32 Moving Walks** <sup>(14 30)</sup>**14 32 00 00-0001 Moving Sidewalks** <sup>(14 32)</sup>

*Note: Prices are medians. Includes safety rails.*

14 32 00 00-0002	LF		Moving Sidewalks, 28" Wide.....	1,276.33	165.03
			<i>For Each LF Of Ramp Or Sloped Sections, Add</i>	215.66	



<b>Conveying Equipment</b>	<b>14</b>
<b>Escalators And Moving Walks</b>	<b>14 30</b>
<b>Moving Walks</b>	<b>14 32</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 32 00 00-0003 LF Moving Sidewalks, 36" Wide..... <i>For Each LF Of Ramp Or Sloped Sections, Add</i>	1,764.52 312.48	168.47
14 32 00 00-0004 LF Moving Sidewalks, 48" Wide..... <i>For Each LF Of Ramp Or Sloped Sections, Add</i>	2,006.59 359.24	175.34
14 32 00 00-0005 LF Moving Sidewalks, 54" Wide..... <i>For Each LF Of Ramp Or Sloped Sections, Add</i>	2,320.20 418.40	190.20

**14 40 Lifts** <sup>(14)</sup>

**14 42 Wheelchair Lifts** <sup>(14 40)</sup>

**14 42 13 Inclined Wheelchair Lifts** <sup>(14 42)</sup>

14 42 13 00-0001 Chair Lift-Stair Climber <sup>(14 42 13)</sup> Note: Includes landing, rails, lifting device and gates.		
14 42 13 00-0002 EA Chair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 LB Capacity..... Note: Includes top and bottom call button, safety chair, track, and power unit.	3,868.35	353.82

**14 42 16 Vertical Wheelchair Lifts** <sup>(14 42)</sup>

14 42 16 00-0001 Shorty Wheelchair Lift <sup>(14 42 16)</sup>		
14 42 16 00-0002 EA 36" Vertical Travel Wheelchair Platform Scissor Lift..... Note: 1000 LB capacity. Includes handrails and manual ramp. <i>For Accordion Safety Skirt, Add</i> <i>For Removable Handrails, Add</i> <i>For Power Operated Ramp, Add</i>	7,189.16 998.00 100.00 885.00	235.88
14 42 16 00-0003 EA 42" Vertical Travel Wheelchair Platform Scissor Lift..... Note: 1000 LB capacity. Includes handrails and manual ramp. <i>For 2,000 LB Capacity, Add</i> <i>For 3,000 LB Capacity, Add</i> <i>For 4,000 LB Capacity, Add</i> <i>For Accordion Safety Skirt, Add</i> <i>For Removable Handrails, Add</i> <i>For Power Operated Ramp, Add</i>	7,503.67 600.00 1,000.00 1,500.00 998.00 100.00 885.00	314.51
14 42 16 00-0004 EA 70" Vertical Travel Wheelchair Platform Scissor Lift..... Note: 1000 LB capacity. Includes handrails and manual ramp. <i>For 2,000 LB Capacity, Add</i> <i>For 3,000 LB Capacity, Add</i> <i>For 4,000 LB Capacity, Add</i> <i>For Accordion Safety Skirt, Add</i> <i>For Removable Handrails, Add</i> <i>For Power Operated Ramp, Add</i>	10,139.97 600.00 1,000.00 1,500.00 998.00 100.00 885.00	393.14
14 42 16 00-0005 EA 84" Vertical Travel Wheelchair Platform Scissor Lift..... Note: 1000 LB capacity. Includes handrails and manual ramp. <i>For 2,000 LB Capacity, Add</i> <i>For 3,000 LB Capacity, Add</i> <i>For 4,000 LB Capacity, Add</i> <i>For Accordion Safety Skirt, Add</i> <i>For Removable Handrails, Add</i> <i>For Power Operated Ramp, Add</i>	11,300.87 600.00 1,000.00 1,500.00 998.00 100.00 885.00	393.14
14 42 16 00-0006 EA 18' Travel Wheelchair Incline Lift..... Note: 500 LB capacity, interior installation.	13,059.64	393.14

**14 90 Other Conveying Equipment** <sup>(14)</sup>

**14 91 Facility Chutes** <sup>(14 90)</sup>

**14 91 82 Trash Chutes** <sup>(14 91)</sup>

14 91 82 00-0001 Trash Chutes <sup>(14 91 82)</sup>		
14 91 82 00-0002 LF 18" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports..... <i>For Aluminum, Add</i> <i>For Stainless Steel, Add</i>	21.11 1.61 5.63	2.63
14 91 82 00-0003 LF 24" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports..... <i>For Aluminum, Add</i> <i>For Stainless Steel, Add</i>	27.23 2.18 7.62	2.63
14 91 82 00-0004 LF 30" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports..... <i>For Aluminum, Add</i> <i>For Stainless Steel, Add</i>	30.04 2.41 8.45	3.28
14 91 82 00-0005 LF 36" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports..... <i>For Aluminum, Add</i> <i>For Stainless Steel, Add</i>	46.14 3.97 13.91	3.28
14 91 82 00-0006 EA Trash Chutes, Hopper..... <i>For Aluminum, Add</i> <i>For Stainless Steel, Add</i>	432.74 39.57 138.50	18.39
14 91 82 00-0007 EA Trash Chutes, Skylight..... <i>For Aluminum, Add</i> <i>For Stainless Steel, Add</i>	210.06 13.76 48.17	36.13
14 91 82 00-0008 EA Trash Chutes, Sprinkler Unit At Top..... <i>For Aluminum, Add</i> <i>For Stainless Steel, Add</i>	143.51 6.02 21.08	39.41

<b>14</b>	<b>Conveying Equipment</b>
<b>14 90</b>	<b>Other Conveying Equipment</b>
<b>14 91</b>	<b>Facility Chutes</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 91 82 00-0009 EA Trash Chutes, Sprinkler Unit At Intake Hopper .....	38.08	13.79
For Aluminum, Add	1.03	
For Stainless Steel, Add	3.61	
14 91 82 00-0010 EA Refuse Type Bottom Storage Hopper Unit.....	358.75	49.27
For Aluminum, Add	25.46	
For Stainless Steel, Add	89.12	
14 91 82 00-0011 EA Hopper Doors.....	817.62	29.14
<b>14 91 82 00-0012 Aluminized Steel Trash Chutes And Accessories</b> <small>(14 91 82)</small>		
Note: Includes sprinklers. Includes smoke/shut down dampers per floor, chute opening doors per floor, base chute damper. Complete.		
14 91 82 00-0013 EA Refuse Bottom Hopper, Aluminum , 18" Diameter.....	2,210.82	129.51
14 91 82 00-0014 FLR 18" Diameter Trash Chutes And With Sprinklers Aluminized Steel.....	412.43	184.29
14 91 82 00-0015 FLR 24" Diameter Trash Chutes And With Sprinklers Aluminized Steel.....	478.81	201.58
14 91 82 00-0016 FLR 30" Diameter Trash Chutes And With Sprinklers Aluminized Steel.....	536.09	214.99
14 91 82 00-0017 FLR 36" Diameter Trash Chutes And With Sprinklers Aluminized Steel.....	584.48	230.35
14 91 82 00-0018 EA Refuse Bottom Hopper, 36" Aluminized Steel, With Sprinklers.....	507.10	214.99

**END OF SECTION 14**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 21 Fire Suppression

### 21 01 Operation and Maintenance of Fire Suppression <sup>(21)</sup>

#### 21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems <sup>(21 01)</sup>

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

##### 21 01 10 91 Water-Based Fire-Suppression Systems Restoration <sup>(21 01 10)</sup>

21 01 10 91-0001	EA	Relocate Sprinkler Head And Branch Piping <sup>(21 01 10 91)</sup>		
		Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.		
21 01 10 91-0002	EA	Relocate Existing Sprinkler Head And Branch Piping.....	38.47	
		Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.		
21 01 10 91-0003		Sprinkler Upgrades <sup>(21 01 10 91)</sup>		
21 01 10 91-0004	LF	Bleed Existing Lines Of Water.....	0.35	
21 01 10 91-0005	LF	Refill Existing Lines With Water.....	0.44	

#### 21 01 30 Operation and Maintenance of Fire-Suppression Equipment <sup>(21 01)</sup>

##### 21 01 30 91 Fire-Suppression Equipment Restoration <sup>(21 01 30)</sup>

21 01 30 91-0001		Inspection And Recharge <sup>(21 01 30 91)</sup>		
21 01 30 91-0002	EA	Inspection, CO2, Carbon Dioxide.....	137.81	
21 01 30 91-0003	LB	Refill/Recharge, CO2, Carbon Dioxide.....	1.63	
21 01 30 91-0004	EA	Inspection, Halon 1301.....	137.81	
21 01 30 91-0005	LB	Refill/Recharge, Halon 1301.....	39.10	
21 01 30 91-0006	EA	Inspection, WC, Wet Chemical.....	83.32	
21 01 30 91-0007	GAL	Refill/Recharge, WC, Wet Chemical.....	36.66	
21 01 30 91-0008	EA	Inspection, DC, Dry Chemical.....	83.32	
21 01 30 91-0009	LB	Refill/Recharge, DC, Dry Chemical.....	3.26	
21 01 30 91-0010	EA	Hydrostatic Testing, All Sizes, All Agents.....	25.64	
		See CSI section 23 05 93 00-0046 for testing existing piping systems.		
21 01 30 91-0011	EA	Disarm/Arm System.....	44.87	

### 21 05 Common Work Results for Fire Suppression <sup>(21)</sup>

#### 21 05 13 Common Motor Requirements For Fire-Suppression Equipment <sup>(21 05)</sup>

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

#### 21 05 16 Expansion Fittings And Loops For Fire-Suppression Piping <sup>(21 05)</sup>

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

#### 21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping <sup>(21 05)</sup>

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

#### 21 05 19 Meters And Gages For Fire-Suppression Systems <sup>(21 05)</sup>

21 05 19 00-0001		Fire Sprinkler System Water Pressure Gauge <sup>(21 05 19)</sup>		
21 05 19 00-0002	EA	2" Diameter Dial, 0-200 PSI, Water Pressure Gauge.....	28.22	7.72
		Note: For fire sprinkler systems		
21 05 19 00-0003	EA	2-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge.....	29.26	7.72
		Note: For fire sprinkler systems		
21 05 19 00-0004	EA	3" Diameter Dial, 0-300 PSI, Water Pressure Gauge.....	34.16	7.72
		Note: For fire sprinkler systems		
21 05 19 00-0005	EA	3-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge.....	36.17	7.72
		Note: For fire sprinkler systems		
21 05 19 00-0006	EA	4" Diameter Dial, 0-300 PSI, Water Pressure Gauge.....	38.18	7.72
		Note: For fire sprinkler systems		
21 05 19 00-0007		Fire Service Meter Cast Iron Housing <sup>(21 05 19)</sup>		
21 05 19 00-0008	EA	3" Diameter, 0 - 600 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	2,748.39	110.82
		For >10 To 25, Deduct	-137.42	
		For >25, Deduct	-398.39	
21 05 19 00-0009	EA	4" Diameter, 0 - 1,000 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	5,594.19	185.79
		For >10 To 25, Deduct	-279.71	
		For >25, Deduct	-815.85	
21 05 19 00-0010	EA	6" Diameter, 0 - 2,000 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	7,527.75	222.46
		For >10 To 25, Deduct	-376.39	
		For >25, Deduct	-1,101.26	

**21 Fire Suppression**  
**21 05 Common Work Results for Fire Suppression**  
**21 05 19 Meters And Gages For Fire-Suppression Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 05 19 00-0011	EA		8" Diameter, 0 - 4,000 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	9,817.20	284.26
			<i>For &gt;10 To 25, Deduct</i>	-490.86	
			<i>For &gt;25, Deduct</i>	-1,437.27	
21 05 19 00-0012	EA		10" Diameter, 0 - 6,200 GPM Fire Service Meter Flanged, With Cast Iron Housing.....	13,825.66	346.05
			<i>For &gt;10 To 25, Deduct</i>	-691.28	
			<i>For &gt;25, Deduct</i>	-2,030.59	

### 21 05 23 General-Duty Valves For Water-Based Fire-Suppression Piping

(21 05)

See CSI section 23 05 23 00-0000 for valves.

21 05 23 00-0001			TESTanDRAIN® Valve (21 05 23)		
21 05 23 00-0002	EA		1/4" 3-Way Globe Valve With 1/4" NPT Test Port (AGF 7600).....	134.89	8.89
21 05 23 00-0003	EA		1" Threaded TESTanDRAIN® Valve (AGF 1000).....	152.45	10.75
21 05 23 00-0004	EA		1-1/4" Threaded TESTanDRAIN® Valve (AGF 1000).....	186.45	13.59
21 05 23 00-0005	EA		1-1/2" Threaded TESTanDRAIN® Valve (AGF 1000).....	290.38	15.69
21 05 23 00-0006	EA		2" Threaded TESTanDRAIN® Valve (AGF 1000).....	305.48	18.53
21 05 23 00-0007	EA		1" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011).....	213.77	10.75
21 05 23 00-0008	EA		1-1/4" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011).....	247.17	13.59
21 05 23 00-0009	EA		1-1/2" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011).....	352.94	15.69
21 05 23 00-0010	EA		2" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011).....	369.70	18.53

### 21 05 29 Hangers And Supports For Fire-Suppression Piping And Equipment

(21 05)

See CSI section 23 05 29 00-0000 for hangers and supports.

### 21 05 48 Vibration And Seismic Controls for Fire-Suppression Piping and Equipment

(21 05)

#### 21 05 48 13 Vibration Controls For Fire-Suppression Piping And Equipment (21 05 48)

See CSI section 23 05 48 13-0000 for vibration and seismic control.

### 21 05 53 Identification For Fire-Suppression Piping And Equipment (21 05)

See CSI section 23 05 53 00-0000 for identification.

### 21 07 Fire-Suppression Systems Insulation (21)

#### 21 07 16 Fire-Suppression Equipment Insulation (21 07)

See CSI section 23 07 16 00-0000 for fire-suppression equipment insulation.

#### 21 07 19 Fire-Suppression Piping Insulation (21 07)

See CSI section 22 07 19 00-0000 for fire-suppression piping insulation.

### 21 10 Water-Based Fire-Suppression Systems (21)

See CSI section 22 11 16 00-0368 for copper pipe, 22 11 16 00-0865 for CPVC pipe, 23 05 23 00-0064 for OS&amp;Y gate valves, 23 21 13 23-0000 for black steel piping.

### 21 11 Facility Fire-Suppression Water-Service Piping (21 10)

#### 21 11 19 Fire-Department Connections (21 11)

21 11 19 00-0001			Fire Department Connections (21 11 19)		
21 11 19 00-0002	EA		4" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass.....	631.18	198.93
			<i>For Polished Chrome, Add</i>	41.23	
21 11 19 00-0003	EA		6" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass.....	881.71	248.67
			<i>For Polished Chrome, Add</i>	63.10	
21 11 19 00-0004	EA		4" x 3" x 3" Siamese Connection, Polished Brass.....	940.92	198.93
			<i>For Polished Chrome, Add</i>	79.93	
21 11 19 00-0005	EA		6" x 3" x 3" Siamese Connection, Polished Brass.....	1,245.19	248.67
			<i>For Polished Chrome, Add</i>	108.54	
21 11 19 00-0006	EA		6" x 2-1/2" x 2-1/2" x 2-1/2" Siamese Connection, Three Way, Polished Brass.....	1,334.04	248.67
			<i>For Polished Chrome, Add</i>	119.64	
21 11 19 00-0007	EA		Sidewalk Type Connection With Plug And Chain, Polished Brass.....	1,136.75	263.18
			<i>For Polished Chrome, Add</i>	92.27	
21 11 19 00-0008	EA		Wall Type Connection With Plug And Chain, Polished Brass.....	724.90	198.93
			<i>For Polished Chrome, Add</i>	52.94	

#### 21 11 19 00-0009 Fire Department Connection Wall Plate (21 11 19)

21 11 19 00-0010	EA		2-1/2" IPS Brass Fire Department Connection Wall Plate.....	62.35	15.45
21 11 19 00-0011	EA		2-1/2" IPS Aluminum Brass Fire Department Connection Wall Plate.....	48.31	15.45
21 11 19 00-0012	EA		2-1/2" IPS Chrome Plated Brass Fire Department Connection Wall Plate.....	64.30	15.45
21 11 19 00-0013	EA		2-1/2" IPS Chrome Plated Aluminum Brass Fire Department Connection Wall Plate.....	46.12	15.45
21 11 19 00-0014	EA		4" IPS x 10" Outside Diameter Polished Brass Fire Department Connection Wall Plate.....	97.79	18.53
21 11 19 00-0015	EA		4" IPS x 10" Outside Diameter Chrome Plated Brass Fire Department Connection Wall Plate.....	128.38	18.53

#### 21 11 19 00-0016 Wall Type Indicator Post, Wheel Operated (21 11 19)

See CSI section 33 14 19 00-0001 for adjustable indicator post accessory for ground valves.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 11 19 00-0017 EA Wall Type Indicator Post With Wall Flange For Valve (Victaulic 773).....	931.04	185.79
<b>21 12 Fire-Suppression Standpipes</b> <small>(21 10)</small>		
<b>21 12 13 Fire-Suppression Hoses And Nozzles</b> <small>(21 12)</small>		
<b>21 12 13 00-0001 Fire Hose</b> <small>(21 12 13)</small>		
<b>21 12 13 00-0002 Fire Hose Without Couplings</b> <small>(21 12 13 00-0001)</small>		
21 12 13 00-0003 LF 1-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings .....	1.76	1.28
21 12 13 00-0004 LF 2-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings .....	2.08	1.28
21 12 13 00-0005 LF 2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings .....	1.86	1.28
21 12 13 00-0006 LF 3" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings .....	2.21	1.28
21 12 13 00-0007 LF 1-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings .....	2.06	1.28
21 12 13 00-0008 LF 2-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings .....	2.63	1.28
21 12 13 00-0009 LF 1-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings .....	2.15	1.28
21 12 13 00-0010 LF 2-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings .....	2.82	1.28
<b>21 12 13 00-0011 Fire Hose With Aluminum Couplings</b> <small>(21 12 13 00-0001)</small>		
21 12 13 00-0012 LF 1-3/4" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....	4.24	0.71
21 12 13 00-0013 LF 2-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....	5.31	0.84
21 12 13 00-0014 LF 3-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....	9.07	0.84
<b>21 12 13 00-0015 Fire Hose Accessories</b> <small>(21 12 13 00-0001)</small>		
21 12 13 00-0016 EA Hose Coupling With 1-1/2" Pin Lug.....	83.89	21.15
21 12 13 00-0017 EA Hose Coupling With 2-1/2" Pin Lug.....	125.15	23.71
21 12 13 00-0018 EA 1-1/2" x 10" Brass Straight Nozzle.....	55.68	16.66
21 12 13 00-0019 EA 2-1/2" x 12" Brass Straight Nozzle.....	111.71	16.66
21 12 13 00-0020 EA 1-1/2" Brass Fog Type Nozzle .....	88.52	16.66
21 12 13 00-0021 EA 2-1/2" Brass Fog Type Nozzle .....	127.78	16.66
21 12 13 00-0022 EA 1-1/2" Brass 100' Hose Rack.....	190.67	70.51
21 12 13 00-0023 EA 2-1/2" Brass 100' Hose Rack.....	267.53	70.51
<b>21 12 23 Fire-Suppression Hose Valves</b> <small>(21 12)</small>		
<b>21 12 23 00-0001 Standpipe Valves</b> <small>(21 12 23)</small>		
21 12 23 00-0002 EA 2-1/2" Fire Department Valve, Polished Brass With Plug And Chain.....	366.59	131.59
<i>For Polished Chrome, Add</i>	25.10	
21 12 23 00-0003 EA 2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass.....	564.62	131.53
<i>For Polished Chrome, Add</i>	54.80	
21 12 23 00-0004 EA 2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass.....	719.50	142.28
<i>For Polished Chrome, Add</i>	75.58	
21 12 23 00-0005 EA 3" x 3" x 4" Fire Department Valve, Flush, Polished Brass.....	849.99	131.53
<i>For Polished Chrome, Add</i>	97.61	
21 12 23 00-0006 EA 3" x 3" x 6" Fire Department Valve, Flush, Polished Brass .....	994.53	142.28
<i>For Polished Chrome, Add</i>	116.84	
21 12 23 00-0007 EA 2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass.....	534.29	131.53
<i>For Polished Chrome, Add</i>	50.25	
21 12 23 00-0008 EA 2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass.....	767.06	142.28
<i>For Polished Chrome, Add</i>	82.72	
21 12 23 00-0009 EA 2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass.....	967.42	135.80
<i>For Polished Chrome, Add</i>	91.40	
21 12 23 00-0010 EA 2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass.....	1,371.12	150.87
<i>For Polished Chrome, Add</i>	137.10	
21 12 23 00-0011 EA 2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass .....	1,035.66	135.80
<i>For Polished Chrome, Add</i>	99.59	
21 12 23 00-0012 EA 2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass .....	1,473.94	150.87
<i>For Polished Chrome, Add</i>	149.44	
21 12 23 00-0013 EA 2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Square, Flush, Polished Brass.....	3,407.07	181.01
<i>For Polished Chrome, Add</i>	313.27	
<b>21 12 23 00-0014 Fire Hose Angle Valves</b> <small>(21 12 23)</small>		
21 12 23 00-0015 EA 1-1/2", 300 LB Rated, Cast Brass, Fire Hose Angle Valve .....	129.40	17.31
21 12 23 00-0016 EA 1-1/2", 300 LB Rated, Polished Brass, Fire Hose Angle Valve.....	154.64	17.31
21 12 23 00-0017 EA 1-1/2", 300 LB Rated, Rough Chrome Plated, Fire Hose Angle Valve.....	145.46	17.31
21 12 23 00-0018 EA 1-1/2", 300 LB Rated, Polished Chrome Plated, Fire Hose Angle Valve .....	170.71	17.31
21 12 23 00-0019 EA 2-1/2", 300 LB Rated, Cast Brass, Fire Hose Angle Valve .....	230.27	28.84
21 12 23 00-0020 EA 2-1/2", 300 LB Rated, Polished Brass, Fire Hose Angle Valve.....	266.99	28.84
21 12 23 00-0021 EA 2-1/2", 300 LB Rated, Rough Chrome Plated, Fire Hose Angle Valve.....	270.05	28.84
21 12 23 00-0022 EA 2-1/2", 300 LB Rated, Polished Chrome Plated, Fire Hose Angle Valve .....	306.77	28.84
<b>21 12 23 00-0023 Fire Hose Valve Cap And Chain</b> <small>(21 12 23)</small>		
21 12 23 00-0024 EA 1-1/2" Cast Brass, Fire Hose Valve Cap And Chain .....	25.37	6.18
21 12 23 00-0025 EA 1-1/2" Polished Brass, Fire Hose Valve Cap And Chain.....	39.90	6.18
21 12 23 00-0026 EA 1-1/2" Rough Chrome Plated, Fire Hose Valve Cap And Chain .....	35.31	6.18
21 12 23 00-0027 EA 1-1/2" Polished Chrome Plated, Fire Hose Valve Cap And Chain .....	46.79	6.18



**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 12 Fire-Suppression Standpipes**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 12 23 00-0028	EA		1-1/2" Aluminum Brass Fire Hose Valve Cap And Chain.....	17.51	6.18
21 12 23 00-0029	EA		2-1/2" Cast Brass, Fire Hose Valve Cap And Chain .....	39.93	7.72
21 12 23 00-0030	EA		2-1/2" Polished Brass, Fire Hose Valve Cap And Chain .....	52.94	7.72
21 12 23 00-0031	EA		2-1/2" Rough Chrome Plated, Fire Hose Valve Cap And Chain .....	50.64	7.72
21 12 23 00-0032	EA		2-1/2" Polished Chrome Plated, Fire Hose Valve Cap And Chain .....	63.65	7.72
21 12 23 00-0033	EA		2-1/2" Aluminum Brass Fire Hose Valve Cap And Chain.....	23.20	7.72
21 12 23 00-0034	EA		3" Cast Brass, Fire Hose Valve Cap And Chain .....	62.58	8.34
21 12 23 00-0035	EA		3" Polished Brass, Fire Hose Valve Cap And Chain .....	79.41	8.34
21 12 23 00-0036	EA		3" Rough Chrome Plated, Fire Hose Valve Cap And Chain.....	74.06	8.34
21 12 23 00-0037	EA		3" Polished Chrome Plated, Fire Hose Valve Cap And Chain .....	91.65	8.34

**21 12 29 Fire-Suppression Fire Hose Equipment (21 12)****21 12 29 00-0001 Standpipe And Fire Hose Equipment (21 12 29)**

21 12 29 00-0002	EA		2-1/2" x 2-1/2" x 2-1/2" x 4" Manifold Roof Type, Vertical, Polished Brass .....	1,346.60	326.20
21 12 29 00-0003	EA		Water Motor Gong .....	457.71	89.49
21 12 29 00-0004	EA		Water Motor Gong With Retard Chamber Assembly .....	929.59	109.61
21 12 29 00-0005	EA		Fire Riser Flow Switch (NFPA 13) .....	378.15	10.41
21 12 29 00-0006	EA		Water Flow Supervisory (Tammer) Switch Mounted On Valve.....	135.56	17.81
21 12 29 00-0007	EA		Spare Sprinkler Head Box For 3 Heads..... Note: Excludes spare sprinkler heads.	22.63	6.85
21 12 29 00-0008	EA		Spare Sprinkler Head Box For 6 Heads..... Note: Excludes spare sprinkler heads.	22.77	6.85
21 12 29 00-0009	EA		Spare Sprinkler Head Box For 12 Heads..... Note: Excludes spare sprinkler heads.	24.32	6.85

**21 12 29 00-0010 Water Flow Detector (21 12 29)****21 12 29 00-0011 Pressure-Type Water Flow Detector (21 12 29 00-0010)**

21 12 29 00-0012	EA		Pressure-Type Water Flow Detector For Up To 2-1/2" Pipe .....	213.08	54.81
21 12 29 00-0013	EA		Pressure-Type Water Flow Detector For >2-1/2" To 4" Pipe .....	309.84	72.62
21 12 29 00-0014	EA		Pressure-Type Water Flow Detector For >4" To 8" Pipe.....	489.43	82.21

**21 12 29 00-0015 Vane-Type Water Flow Detector (21 12 29 00-0010)**

21 12 29 00-0016	EA		Vane-Type Water Flow Detector For Up To 2-1/2" Pipe .....	269.07	54.81
21 12 29 00-0017	EA		Vane-Type Water Flow Detector For >2-1/2" To 4" Pipe .....	378.42	72.62
21 12 29 00-0018	EA		Vane-Type Water Flow Detector For >4" To 8" Pipe.....	598.15	82.21

**21 13 Fire-Suppression Sprinkler Systems (21 10)****21 13 13 Wet-Pipe Sprinkler Systems (21 13)****21 13 13 00-0001 Complete Wet-Pipe Sprinkler Systems (21 13 13)**

Note: Includes complete design per NFPA 13, 13D or 13R and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc) from riser pipe and mains. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components.

**21 13 13 00-0002 Light Hazard, Complete Wet-Pipe Sprinkler Systems (21 13 00-0001)**

21 13 13 00-0003	EA		Exposed Piping, Light Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....	284.93	
			Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			For Copper Pipe, Add	34.52	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-48.77	
			For Up To 5, Add	130.41	
			For >5 To 10, Add	81.65	
			For >10 To 20, Add	53.15	
			For >20 To 40, Add	22.47	
			For >100 To 150, Deduct	-28.49	
			For >150, Deduct	-56.99	
21 13 13 00-0004	EA		Concealed Piping, Light Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....	372.46	
			Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
			For Copper Pipe, Add	43.76	
			For Polyvinyl Chloride (PVC) Pipe, Deduct	-62.39	
			For Up To 5, Add	173.19	
			For >5 To 10, Add	110.81	
			For >10 To 20, Add	73.56	
			For >20 To 40, Add	30.73	
			For >100 To 150, Deduct	-37.25	
			For >150, Deduct	-74.49	

**21 13 13 00-0005 Ordinary Hazard, Complete Wet-Pipe Sprinkler Systems (21 13 13 00-0001)**



<b>Fire Suppression</b>	<b>21</b>	
<b>Water-Based Fire-Suppression Systems</b>	<b>21 10</b>	<b>12</b>
<b>Fire-Suppression Sprinkler Systems</b>	<b>21 13</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0006	EA		Exposed Piping, Ordinary Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....284.07 Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			<i>For Copper Pipe, Add</i>	34.49	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-48.69	
			<i>For Up To 5, Add</i>	129.87	
			<i>For &gt;5 To 10, Add</i>	81.18	
			<i>For &gt;10 To 20, Add</i>	52.77	
			<i>For &gt;20 To 40, Add</i>	22.32	
			<i>For &gt;100 To 150, Deduct</i>	-28.41	
			<i>For &gt;150, Deduct</i>	-56.81	
21 13 13 00-0007	EA		Concealed Piping, Ordinary Hazard, Complete Wet-Pipe Sprinkler System, Per Head .....369.34 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
			<i>For Copper Pipe, Add</i>	43.46	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-61.92	
			<i>For Up To 5, Add</i>	171.62	
			<i>For &gt;5 To 10, Add</i>	109.70	
			<i>For &gt;10 To 20, Add</i>	72.77	
			<i>For &gt;20 To 40, Add</i>	30.41	
			<i>For &gt;100 To 150, Deduct</i>	-36.93	
			<i>For &gt;150, Deduct</i>	-73.87	
<b>21 13 13 00-0008</b>			<b>Extra Hazard, Complete Wet-Pipe Sprinkler Systems (21 13 13 00-0001)</b>		
21 13 13 00-0009	EA		Exposed Piping, Extra Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....262.69 Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			<i>For Copper Pipe, Add</i>	31.84	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-44.97	
			<i>For Up To 5, Add</i>	120.20	
			<i>For &gt;5 To 10, Add</i>	75.23	
			<i>For &gt;10 To 20, Add</i>	48.96	
			<i>For &gt;20 To 40, Add</i>	20.70	
			<i>For &gt;100 To 150, Deduct</i>	-26.27	
			<i>For &gt;150, Deduct</i>	-52.54	
21 13 13 00-0010	EA		Concealed Piping, Extra Hazard, Complete Wet-Pipe Sprinkler System, Per Head.....342.23 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
			<i>For Copper Pipe, Add</i>	40.21	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-57.32	
			<i>For Up To 5, Add</i>	159.15	
			<i>For &gt;5 To 10, Add</i>	101.83	
			<i>For &gt;10 To 20, Add</i>	67.61	
			<i>For &gt;20 To 40, Add</i>	28.24	
			<i>For &gt;100 To 150, Deduct</i>	-34.22	
			<i>For &gt;150, Deduct</i>	-68.45	
<b>21 13 13 00-0011</b>			<b>Wet-Pipe Sprinkler Components (21 13 13)</b>		
			Note: Excludes hydraulic calculations.		
<b>21 13 13 00-0012</b>			<b>Wet-Pipe Alarm Valves (21 13 13 00-0011)</b>		
21 13 13 00-0013	EA		2" Wet-Pipe Alarm Valve .....1,089.99		465.98
21 13 13 00-0014	EA		3" Wet-Pipe Alarm Valve .....1,461.73		636.10
21 13 13 00-0015	EA		4" Wet-Pipe Alarm Valve .....2,407.92		890.55
21 13 13 00-0016	EA		6" Wet-Pipe Alarm Valve .....2,747.63		1,052.22
21 13 13 00-0017	EA		8" Wet-Pipe Alarm Valve .....3,894.91		1,157.44
<b>21 13 13 00-0018</b>			<b>Wet-Pipe Sprinkler Heads (21 13 13 00-0011)</b>		
<b>21 13 13 00-0019</b>			<b>Upright Wet-Pipe Sprinkler Heads (21 13 13 00-0018)</b>		
21 13 13 00-0020	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Brass Wet Pipe Sprinkler Head .....44.46 <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>		7.22
				-1.44	
				-3.67	
				-6.28	
				-12.91	
				-18.67	
21 13 13 00-0021	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Chrome Wet Pipe Sprinkler Head.....46.06 <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>		7.22
				-1.44	
				-3.75	
				-6.48	
				-13.19	
				-18.96	
21 13 13 00-0022	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright White Polyester Coated Wet Pipe Sprinkler Head.....47.07 <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>		7.22
				-1.44	
				-3.80	
				-6.60	
				-13.38	
				-19.14	
21 13 13 00-0023	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head .....45.26 <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>		7.22
				-1.44	
				-3.71	
				-6.38	
				-13.05	
				-18.82	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0024	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head.....	46.92	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.79	
			<i>For &gt;100 To 500, Deduct</i>	-6.59	
			<i>For &gt;500 To 1,000, Deduct</i>	-13.35	
			<i>For &gt;1,000, Deduct</i>	-19.12	
21 13 13 00-0025	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	47.97	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.84	
			<i>For &gt;100 To 500, Deduct</i>	-6.72	
			<i>For &gt;500 To 1,000, Deduct</i>	-13.54	
			<i>For &gt;1,000, Deduct</i>	-19.31	
21 13 13 00-0026	EA		1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Brass Wet Pipe Sprinkler Head.....	55.68	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-4.23	
			<i>For &gt;100 To 500, Deduct</i>	-7.68	
			<i>For &gt;500 To 1,000, Deduct</i>	-14.93	
			<i>For &gt;1,000, Deduct</i>	-20.69	
21 13 13 00-0027	EA		1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	59.95	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-4.44	
			<i>For &gt;100 To 500, Deduct</i>	-8.21	
			<i>For &gt;500 To 1,000, Deduct</i>	-15.69	
			<i>For &gt;1,000, Deduct</i>	-21.46	
21 13 13 00-0028	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Brass Wet Pipe Sprinkler Head.....	55.68	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-4.23	
			<i>For &gt;100 To 500, Deduct</i>	-7.68	
			<i>For &gt;500 To 1,000, Deduct</i>	-14.93	
			<i>For &gt;1,000, Deduct</i>	-20.69	
21 13 13 00-0029	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	59.95	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-4.44	
			<i>For &gt;100 To 500, Deduct</i>	-8.21	
			<i>For &gt;500 To 1,000, Deduct</i>	-15.69	
			<i>For &gt;1,000, Deduct</i>	-21.46	
21 13 13 00-0030	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Brass Wet Pipe Sprinkler Head.....	50.16	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.95	
			<i>For &gt;100 To 500, Deduct</i>	-6.99	
			<i>For &gt;500 To 1,000, Deduct</i>	-13.93	
			<i>For &gt;1,000, Deduct</i>	-19.70	
21 13 13 00-0031	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	52.24	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-4.05	
			<i>For &gt;100 To 500, Deduct</i>	-7.25	
			<i>For &gt;500 To 1,000, Deduct</i>	-14.31	
			<i>For &gt;1,000, Deduct</i>	-20.07	
21 13 13 00-0032	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Brass Wet Pipe Sprinkler Head.....	51.05	8.01
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-4.16	
			<i>For &gt;100 To 500, Deduct</i>	-7.18	
			<i>For &gt;500 To 1,000, Deduct</i>	-14.64	
			<i>For &gt;1,000, Deduct</i>	-21.05	
21 13 13 00-0033	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	53.49	8.01
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-4.28	
			<i>For &gt;100 To 500, Deduct</i>	-7.49	
			<i>For &gt;500 To 1,000, Deduct</i>	-15.08	
			<i>For &gt;1,000, Deduct</i>	-21.49	
21 13 13 00-0034	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	53.98	8.01
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-4.30	
			<i>For &gt;100 To 500, Deduct</i>	-7.55	
			<i>For &gt;500 To 1,000, Deduct</i>	-15.16	
			<i>For &gt;1,000, Deduct</i>	-21.57	
21 13 13 00-0035	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head.....	51.05	8.01
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-4.16	
			<i>For &gt;100 To 500, Deduct</i>	-7.18	
			<i>For &gt;500 To 1,000, Deduct</i>	-14.64	
			<i>For &gt;1,000, Deduct</i>	-21.05	
21 13 13 00-0036	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head.....	53.49	8.01
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-4.28	
			<i>For &gt;100 To 500, Deduct</i>	-7.49	
			<i>For &gt;500 To 1,000, Deduct</i>	-15.08	
			<i>For &gt;1,000, Deduct</i>	-21.49	
21 13 13 00-0037	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	53.98	8.01
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-4.30	
			<i>For &gt;100 To 500, Deduct</i>	-7.55	
			<i>For &gt;500 To 1,000, Deduct</i>	-15.16	
			<i>For &gt;1,000, Deduct</i>	-21.57	



<b>Fire Suppression</b>	<b>21</b>	<b>12</b>
<b>Water-Based Fire-Suppression Systems</b>	<b>21 10</b>	
<b>Fire-Suppression Sprinkler Systems</b>	<b>21 13</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0038	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Brass Wet Pipe Sprinkler Head .....	49.06	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.90	
			<i>For &gt;100 To 500, Deduct</i>	-6.85	
			<i>For &gt;500 To 1,000, Deduct</i>	-13.73	
			<i>For &gt;1,000, Deduct</i>	-19.50	
21 13 13 00-0039	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Chrome Wet Pipe Sprinkler Head.....	50.65	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.97	
			<i>For &gt;100 To 500, Deduct</i>	-7.05	
			<i>For &gt;500 To 1,000, Deduct</i>	-14.02	
			<i>For &gt;1,000, Deduct</i>	-19.79	
21 13 13 00-0040	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	50.96	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.99	
			<i>For &gt;100 To 500, Deduct</i>	-7.09	
			<i>For &gt;500 To 1,000, Deduct</i>	-14.08	
			<i>For &gt;1,000, Deduct</i>	-19.84	
21 13 13 00-0041	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Brass Wet Pipe Sprinkler Head .....	49.06	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.90	
			<i>For &gt;100 To 500, Deduct</i>	-6.85	
			<i>For &gt;500 To 1,000, Deduct</i>	-13.73	
			<i>For &gt;1,000, Deduct</i>	-19.50	
21 13 13 00-0042	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Chrome Wet Pipe Sprinkler Head.....	50.65	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.97	
			<i>For &gt;100 To 500, Deduct</i>	-7.05	
			<i>For &gt;500 To 1,000, Deduct</i>	-14.02	
			<i>For &gt;1,000, Deduct</i>	-19.79	
21 13 13 00-0043	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	50.96	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.99	
			<i>For &gt;100 To 500, Deduct</i>	-7.09	
			<i>For &gt;500 To 1,000, Deduct</i>	-14.08	
			<i>For &gt;1,000, Deduct</i>	-19.84	
21 13 13 00-0044	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Combustible Concealed Space, Upright Brass Wet Pipe Sprinkler Head .....	50.96	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.99	
			<i>For &gt;100 To 500, Deduct</i>	-7.09	
			<i>For &gt;500 To 1,000, Deduct</i>	-14.08	
			<i>For &gt;1,000, Deduct</i>	-19.84	
21 13 13 00-0045	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head .....	68.12	8.01
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-5.01	
			<i>For &gt;100 To 500, Deduct</i>	-9.32	
			<i>For &gt;500 To 1,000, Deduct</i>	-17.71	
			<i>For &gt;1,000, Deduct</i>	-24.12	
21 13 13 00-0046	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head.....	69.95	8.01
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-5.10	
			<i>For &gt;100 To 500, Deduct</i>	-9.55	
			<i>For &gt;500 To 1,000, Deduct</i>	-18.04	
			<i>For &gt;1,000, Deduct</i>	-24.45	
21 13 13 00-0047	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	69.95	8.01
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-5.10	
			<i>For &gt;100 To 500, Deduct</i>	-9.55	
			<i>For &gt;500 To 1,000, Deduct</i>	-18.04	
			<i>For &gt;1,000, Deduct</i>	-24.45	
21 13 13 00-0048	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head .....	55.77	8.01
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-4.39	
			<i>For &gt;100 To 500, Deduct</i>	-7.77	
			<i>For &gt;500 To 1,000, Deduct</i>	-15.49	
			<i>For &gt;1,000, Deduct</i>	-21.90	
21 13 13 00-0049	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head.....	57.03	8.01
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-4.45	
			<i>For &gt;100 To 500, Deduct</i>	-7.93	
			<i>For &gt;500 To 1,000, Deduct</i>	-15.71	
			<i>For &gt;1,000, Deduct</i>	-22.12	
21 13 13 00-0050	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	57.03	8.01
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-4.45	
			<i>For &gt;100 To 500, Deduct</i>	-7.93	
			<i>For &gt;500 To 1,000, Deduct</i>	-15.71	
			<i>For &gt;1,000, Deduct</i>	-22.12	
21 13 13 00-0051	EA		1/2" NPT Thread, K=5.6, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head .....	159.23	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-9.40	
			<i>For &gt;100 To 500, Deduct</i>	-20.62	
			<i>For &gt;500 To 1,000, Deduct</i>	-33.56	
			<i>For &gt;1,000, Deduct</i>	-39.33	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0052	EA		3/4" NPT Thread, K=8.0, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head .....	175.36	8.01
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-10.37	
			<i>For &gt;100 To 500, Deduct</i>	-22.72	
			<i>For &gt;500 To 1,000, Deduct</i>	-37.01	
			<i>For &gt;1,000, Deduct</i>	-43.42	
21 13 13 00-0053	EA		1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head .....	85.93	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-5.74	
			<i>For &gt;100 To 500, Deduct</i>	-11.46	
			<i>For &gt;500 To 1,000, Deduct</i>	-20.37	
			<i>For &gt;1,000, Deduct</i>	-26.14	
21 13 13 00-0054	EA		1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head .....	105.03	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-6.69	
			<i>For &gt;100 To 500, Deduct</i>	-13.85	
			<i>For &gt;500 To 1,000, Deduct</i>	-23.81	
			<i>For &gt;1,000, Deduct</i>	-29.58	
21 13 13 00-0055	EA		1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Brass Wet Pipe Sprinkler Head .....	184.88	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-10.69	
			<i>For &gt;100 To 500, Deduct</i>	-23.83	
			<i>For &gt;500 To 1,000, Deduct</i>	-38.18	
			<i>For &gt;1,000, Deduct</i>	-43.95	
21 13 13 00-0056	EA		1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Chrome Wet Pipe Sprinkler Head.....	234.65	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-13.17	
			<i>For &gt;100 To 500, Deduct</i>	-30.05	
			<i>For &gt;500 To 1,000, Deduct</i>	-47.14	
			<i>For &gt;1,000, Deduct</i>	-52.91	
21 13 13 00-0057	EA		3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head .....	108.24	8.01
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-7.01	
			<i>For &gt;100 To 500, Deduct</i>	-14.33	
			<i>For &gt;500 To 1,000, Deduct</i>	-24.93	
			<i>For &gt;1,000, Deduct</i>	-31.34	
21 13 13 00-0058	EA		3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head .....	108.82	8.01
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-7.04	
			<i>For &gt;100 To 500, Deduct</i>	-14.40	
			<i>For &gt;500 To 1,000, Deduct</i>	-25.04	
			<i>For &gt;1,000, Deduct</i>	-31.45	
<b>21 13 13 00-0059</b>			<b>Conventional Wet-Pipe Sprinkler Heads</b> <small>(21 13 13 00-0018)</small>		
21 13 13 00-0060	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Brass Wet Pipe Sprinkler Head .....	44.46	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.67	
			<i>For &gt;100 To 500, Deduct</i>	-6.28	
			<i>For &gt;500 To 1,000, Deduct</i>	-12.91	
			<i>For &gt;1,000, Deduct</i>	-18.67	
21 13 13 00-0061	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Chrome Wet Pipe Sprinkler Head .....	46.06	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.75	
			<i>For &gt;100 To 500, Deduct</i>	-6.48	
			<i>For &gt;500 To 1,000, Deduct</i>	-13.19	
			<i>For &gt;1,000, Deduct</i>	-18.96	
21 13 13 00-0062	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional White Polyester Coated Wet Pipe Sprinkler Head.....	47.07	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.80	
			<i>For &gt;100 To 500, Deduct</i>	-6.60	
			<i>For &gt;500 To 1,000, Deduct</i>	-13.38	
			<i>For &gt;1,000, Deduct</i>	-19.14	
21 13 13 00-0063	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Brass Wet Pipe Sprinkler Head.....	51.62	8.01
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-4.18	
			<i>For &gt;100 To 500, Deduct</i>	-7.25	
			<i>For &gt;500 To 1,000, Deduct</i>	-14.74	
			<i>For &gt;1,000, Deduct</i>	-21.15	
21 13 13 00-0064	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Chrome Wet Pipe Sprinkler Head .....	53.49	8.01
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-4.28	
			<i>For &gt;100 To 500, Deduct</i>	-7.49	
			<i>For &gt;500 To 1,000, Deduct</i>	-15.08	
			<i>For &gt;1,000, Deduct</i>	-21.49	
21 13 13 00-0065	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional White Polyester Coated Wet Pipe Sprinkler Head.....	53.78	8.01
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-4.29	
			<i>For &gt;100 To 500, Deduct</i>	-7.52	
			<i>For &gt;500 To 1,000, Deduct</i>	-15.13	
			<i>For &gt;1,000, Deduct</i>	-21.54	



<b>Fire Suppression</b>	<b>21</b>	<b>12</b>
<b>Water-Based Fire-Suppression Systems</b>	<b>21 10</b>	
<b>Fire-Suppression Sprinkler Systems</b>	<b>21 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0066 EA 1/2" NPT Thread, K=5.6, Quick Response, Conventional Stainless Steel Wet Pipe Sprinkler Head.....	159.23	7.22
For >25 To 50, Deduct	-1.44	
For >50 To 100, Deduct	-9.40	
For >100 To 500, Deduct	-20.62	
For >500 To 1,000, Deduct	-33.56	
For >1,000, Deduct	-39.33	
<b>21 13 13 00-0067 Pendant Wet-Pipe Sprinkler Heads</b> <small>(21 13 13 00-0018)</small>		
See CSI section 21 13 13 00-0203 for escutcheon for recessed pendant sprinkler head.		
21 13 13 00-0068 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendant Brass Wet Pipe Sprinkler Head .....	44.46	7.22
For >25 To 50, Deduct	-1.44	
For >50 To 100, Deduct	-3.67	
For >100 To 500, Deduct	-6.28	
For >500 To 1,000, Deduct	-12.91	
For >1,000, Deduct	-18.67	
21 13 13 00-0069 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendant Chrome Wet Pipe Sprinkler Head.....	46.06	7.22
For >25 To 50, Deduct	-1.44	
For >50 To 100, Deduct	-3.75	
For >100 To 500, Deduct	-6.48	
For >500 To 1,000, Deduct	-13.19	
For >1,000, Deduct	-18.96	
21 13 13 00-0070 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendant White Polyester Coated Wet Pipe Sprinkler Head .....	47.07	7.22
For >25 To 50, Deduct	-1.44	
For >50 To 100, Deduct	-3.80	
For >100 To 500, Deduct	-6.60	
For >500 To 1,000, Deduct	-13.38	
For >1,000, Deduct	-19.14	
21 13 13 00-0071 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendant Brass Wet Pipe Sprinkler Head .....	51.05	8.01
For >25 To 50, Deduct	-1.60	
For >50 To 100, Deduct	-4.16	
For >100 To 500, Deduct	-7.18	
For >500 To 1,000, Deduct	-14.64	
For >1,000, Deduct	-21.05	
21 13 13 00-0072 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendant Chrome Wet Pipe Sprinkler Head.....	53.49	8.01
For >25 To 50, Deduct	-1.60	
For >50 To 100, Deduct	-4.28	
For >100 To 500, Deduct	-7.49	
For >500 To 1,000, Deduct	-15.08	
For >1,000, Deduct	-21.49	
21 13 13 00-0073 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendant White Polyester Coated Wet Pipe Sprinkler Head.....	53.98	8.01
For >25 To 50, Deduct	-1.60	
For >50 To 100, Deduct	-4.30	
For >100 To 500, Deduct	-7.55	
For >500 To 1,000, Deduct	-15.16	
For >1,000, Deduct	-21.57	
21 13 13 00-0074 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendant Brass Wet Pipe Sprinkler Head .....	49.06	7.22
For >25 To 50, Deduct	-1.44	
For >50 To 100, Deduct	-3.90	
For >100 To 500, Deduct	-6.85	
For >500 To 1,000, Deduct	-13.73	
For >1,000, Deduct	-19.50	
21 13 13 00-0075 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendant Chrome Wet Pipe Sprinkler Head.....	50.65	7.22
For >25 To 50, Deduct	-1.44	
For >50 To 100, Deduct	-3.97	
For >100 To 500, Deduct	-7.05	
For >500 To 1,000, Deduct	-14.02	
For >1,000, Deduct	-19.79	
21 13 13 00-0076 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendant White Polyester Coated Wet Pipe Sprinkler Head.....	50.96	7.22
For >25 To 50, Deduct	-1.44	
For >50 To 100, Deduct	-3.99	
For >100 To 500, Deduct	-7.09	
For >500 To 1,000, Deduct	-14.08	
For >1,000, Deduct	-19.84	
21 13 13 00-0077 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendant Brass Wet Pipe Sprinkler Head .....	49.06	7.22
For >25 To 50, Deduct	-1.44	
For >50 To 100, Deduct	-3.90	
For >100 To 500, Deduct	-6.85	
For >500 To 1,000, Deduct	-13.73	
For >1,000, Deduct	-19.50	
21 13 13 00-0078 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendant Chrome Wet Pipe Sprinkler Head.....	50.65	7.22
For >25 To 50, Deduct	-1.44	
For >50 To 100, Deduct	-3.97	
For >100 To 500, Deduct	-7.05	
For >500 To 1,000, Deduct	-14.02	
For >1,000, Deduct	-19.79	
21 13 13 00-0079 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendant White Polyester Coated Wet Pipe Sprinkler Head.....	50.96	7.22
For >25 To 50, Deduct	-1.44	
For >50 To 100, Deduct	-3.99	
For >100 To 500, Deduct	-7.09	
For >500 To 1,000, Deduct	-14.08	
For >1,000, Deduct	-19.84	

**21 Fire Suppression**  
**21 10 Water-Based Fire-Suppression Systems**  
**21 13 Fire-Suppression Sprinkler Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0080	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head, Low Lead.....	49.06	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.90	
			<i>For &gt;100 To 500, Deduct</i>	-6.85	
			<i>For &gt;500 To 1,000, Deduct</i>	-13.73	
			<i>For &gt;1,000, Deduct</i>	-19.50	
21 13 13 00-0081	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead.....	50.65	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.97	
			<i>For &gt;100 To 500, Deduct</i>	-7.05	
			<i>For &gt;500 To 1,000, Deduct</i>	-14.02	
			<i>For &gt;1,000, Deduct</i>	-19.79	
21 13 13 00-0082	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead.....	50.96	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.99	
			<i>For &gt;100 To 500, Deduct</i>	-7.09	
			<i>For &gt;500 To 1,000, Deduct</i>	-14.08	
			<i>For &gt;1,000, Deduct</i>	-19.84	
21 13 13 00-0083	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head, Low Lead.....	44.46	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.67	
			<i>For &gt;100 To 500, Deduct</i>	-6.28	
			<i>For &gt;500 To 1,000, Deduct</i>	-12.91	
			<i>For &gt;1,000, Deduct</i>	-18.67	
21 13 13 00-0084	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead.....	46.06	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.75	
			<i>For &gt;100 To 500, Deduct</i>	-6.48	
			<i>For &gt;500 To 1,000, Deduct</i>	-13.19	
			<i>For &gt;1,000, Deduct</i>	-18.96	
21 13 13 00-0085	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead.....	47.07	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.80	
			<i>For &gt;100 To 500, Deduct</i>	-6.60	
			<i>For &gt;500 To 1,000, Deduct</i>	-13.38	
			<i>For &gt;1,000, Deduct</i>	-19.14	
21 13 13 00-0086	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head .....	45.27	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.71	
			<i>For &gt;100 To 500, Deduct</i>	-6.38	
			<i>For &gt;500 To 1,000, Deduct</i>	-13.05	
			<i>For &gt;1,000, Deduct</i>	-18.82	
21 13 13 00-0087	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head .....	46.39	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.76	
			<i>For &gt;100 To 500, Deduct</i>	-6.52	
			<i>For &gt;500 To 1,000, Deduct</i>	-13.25	
			<i>For &gt;1,000, Deduct</i>	-19.02	
21 13 13 00-0088	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head .....	47.42	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.81	
			<i>For &gt;100 To 500, Deduct</i>	-6.65	
			<i>For &gt;500 To 1,000, Deduct</i>	-13.44	
			<i>For &gt;1,000, Deduct</i>	-19.21	
21 13 13 00-0089	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head.....	52.56	8.01
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-4.23	
			<i>For &gt;100 To 500, Deduct</i>	-7.37	
			<i>For &gt;500 To 1,000, Deduct</i>	-14.91	
			<i>For &gt;1,000, Deduct</i>	-21.32	
21 13 13 00-0090	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head.....	54.62	8.01
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-4.33	
			<i>For &gt;100 To 500, Deduct</i>	-7.63	
			<i>For &gt;500 To 1,000, Deduct</i>	-15.28	
			<i>For &gt;1,000, Deduct</i>	-21.69	
21 13 13 00-0091	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	54.62	8.01
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-4.33	
			<i>For &gt;100 To 500, Deduct</i>	-7.63	
			<i>For &gt;500 To 1,000, Deduct</i>	-15.28	
			<i>For &gt;1,000, Deduct</i>	-21.69	
21 13 13 00-0092	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Brass Wet Pipe Sprinkler Head .....	50.16	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.95	
			<i>For &gt;100 To 500, Deduct</i>	-6.99	
			<i>For &gt;500 To 1,000, Deduct</i>	-13.93	
			<i>For &gt;1,000, Deduct</i>	-19.70	
21 13 13 00-0093	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	52.24	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-4.05	
			<i>For &gt;100 To 500, Deduct</i>	-7.25	
			<i>For &gt;500 To 1,000, Deduct</i>	-14.31	
			<i>For &gt;1,000, Deduct</i>	-20.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0094 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Brass Wet Pipe Sprinkler Head .....	55.37	7.22
For >25 To 50, Deduct	-1.44	
For >50 To 100, Deduct	-4.21	
For >100 To 500, Deduct	-7.64	
For >500 To 1,000, Deduct	-14.87	
For >1,000, Deduct	-20.64	
21 13 13 00-0095 EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	58.78	7.22
For >25 To 50, Deduct	-1.44	
For >50 To 100, Deduct	-4.38	
For >100 To 500, Deduct	-8.07	
For >500 To 1,000, Deduct	-15.48	
For >1,000, Deduct	-21.25	
21 13 13 00-0096 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Brass Wet Pipe Sprinkler Head .....	55.37	7.22
For >25 To 50, Deduct	-1.44	
For >50 To 100, Deduct	-4.21	
For >100 To 500, Deduct	-7.64	
For >500 To 1,000, Deduct	-14.87	
For >1,000, Deduct	-20.64	
21 13 13 00-0097 EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	58.78	7.22
For >25 To 50, Deduct	-1.44	
For >50 To 100, Deduct	-4.38	
For >100 To 500, Deduct	-8.07	
For >500 To 1,000, Deduct	-15.48	
For >1,000, Deduct	-21.25	
21 13 13 00-0098 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	47.47	7.22
For >25 To 50, Deduct	-1.44	
For >50 To 100, Deduct	-3.82	
For >100 To 500, Deduct	-6.65	
For >500 To 1,000, Deduct	-13.45	
For >1,000, Deduct	-19.22	
21 13 13 00-0099 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head .....	49.26	7.22
For >25 To 50, Deduct	-1.44	
For >50 To 100, Deduct	-3.91	
For >100 To 500, Deduct	-6.88	
For >500 To 1,000, Deduct	-13.77	
For >1,000, Deduct	-19.54	
21 13 13 00-0100 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	50.20	7.22
For >25 To 50, Deduct	-1.44	
For >50 To 100, Deduct	-3.95	
For >100 To 500, Deduct	-7.00	
For >500 To 1,000, Deduct	-13.94	
For >1,000, Deduct	-19.71	
21 13 13 00-0101 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	51.81	8.01
For >25 To 50, Deduct	-1.60	
For >50 To 100, Deduct	-4.19	
For >100 To 500, Deduct	-7.28	
For >500 To 1,000, Deduct	-14.77	
For >1,000, Deduct	-21.18	
21 13 13 00-0102 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	53.58	8.01
For >25 To 50, Deduct	-1.60	
For >50 To 100, Deduct	-4.28	
For >100 To 500, Deduct	-7.50	
For >500 To 1,000, Deduct	-15.09	
For >1,000, Deduct	-21.50	
21 13 13 00-0103 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head .....	55.29	8.01
For >25 To 50, Deduct	-1.60	
For >50 To 100, Deduct	-4.37	
For >100 To 500, Deduct	-7.71	
For >500 To 1,000, Deduct	-15.40	
For >1,000, Deduct	-21.81	
21 13 13 00-0104 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	48.48	7.22
For >25 To 50, Deduct	-1.44	
For >50 To 100, Deduct	-3.87	
For >100 To 500, Deduct	-6.78	
For >500 To 1,000, Deduct	-13.63	
For >1,000, Deduct	-19.40	
21 13 13 00-0105 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	50.23	7.22
For >25 To 50, Deduct	-1.44	
For >50 To 100, Deduct	-3.95	
For >100 To 500, Deduct	-7.00	
For >500 To 1,000, Deduct	-13.94	
For >1,000, Deduct	-19.71	
21 13 13 00-0106 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	51.19	7.22
For >25 To 50, Deduct	-1.44	
For >50 To 100, Deduct	-4.00	
For >100 To 500, Deduct	-7.12	
For >500 To 1,000, Deduct	-14.12	
For >1,000, Deduct	-19.89	



**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0107	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head .....	52.56	8.01
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-4.23	
			<i>For &gt;100 To 500, Deduct</i>	-7.37	
			<i>For &gt;500 To 1,000, Deduct</i>	-14.91	
			<i>For &gt;1,000, Deduct</i>	-21.32	
21 13 13 00-0108	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head .....	54.40	8.01
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-4.32	
			<i>For &gt;100 To 500, Deduct</i>	-7.60	
			<i>For &gt;500 To 1,000, Deduct</i>	-15.24	
			<i>For &gt;1,000, Deduct</i>	-21.65	
21 13 13 00-0109	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head .....	56.18	8.01
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-4.41	
			<i>For &gt;100 To 500, Deduct</i>	-7.82	
			<i>For &gt;500 To 1,000, Deduct</i>	-15.56	
			<i>For &gt;1,000, Deduct</i>	-21.97	
21 13 13 00-0110	EA		1/2" NPT Thread, 1/2" Orifice, Decorative Pendent Chrome Wet Pipe Sprinkler Head .....	76.38	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-5.26	
			<i>For &gt;100 To 500, Deduct</i>	-10.27	
			<i>For &gt;500 To 1,000, Deduct</i>	-18.65	
			<i>For &gt;1,000, Deduct</i>	-24.42	
21 13 13 00-0111	EA		1/2" NPT Thread, 1/2" Orifice, Decorative Pendent White Polyester Coated Wet Pipe Sprinkler Head .....	76.38	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-5.26	
			<i>For &gt;100 To 500, Deduct</i>	-10.27	
			<i>For &gt;500 To 1,000, Deduct</i>	-18.65	
			<i>For &gt;1,000, Deduct</i>	-24.42	
21 13 13 00-0112	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head .....	57.61	8.01
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-4.48	
			<i>For &gt;100 To 500, Deduct</i>	-8.00	
			<i>For &gt;500 To 1,000, Deduct</i>	-15.82	
			<i>For &gt;1,000, Deduct</i>	-22.23	
21 13 13 00-0113	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head .....	58.96	8.01
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-4.55	
			<i>For &gt;100 To 500, Deduct</i>	-8.17	
			<i>For &gt;500 To 1,000, Deduct</i>	-16.06	
			<i>For &gt;1,000, Deduct</i>	-22.47	
21 13 13 00-0114	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head .....	58.96	8.01
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-4.55	
			<i>For &gt;100 To 500, Deduct</i>	-8.17	
			<i>For &gt;500 To 1,000, Deduct</i>	-16.06	
			<i>For &gt;1,000, Deduct</i>	-22.47	
21 13 13 00-0115	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head .....	55.77	8.01
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-4.39	
			<i>For &gt;100 To 500, Deduct</i>	-7.77	
			<i>For &gt;500 To 1,000, Deduct</i>	-15.49	
			<i>For &gt;1,000, Deduct</i>	-21.90	
21 13 13 00-0116	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head .....	57.03	8.01
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-4.45	
			<i>For &gt;100 To 500, Deduct</i>	-7.93	
			<i>For &gt;500 To 1,000, Deduct</i>	-15.71	
			<i>For &gt;1,000, Deduct</i>	-22.12	
21 13 13 00-0117	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head .....	57.03	8.01
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-4.45	
			<i>For &gt;100 To 500, Deduct</i>	-7.93	
			<i>For &gt;500 To 1,000, Deduct</i>	-15.71	
			<i>For &gt;1,000, Deduct</i>	-22.12	
21 13 13 00-0118	EA		1/2" NPT Thread, K=5.6, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head .....	159.23	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-9.40	
			<i>For &gt;100 To 500, Deduct</i>	-20.62	
			<i>For &gt;500 To 1,000, Deduct</i>	-33.56	
			<i>For &gt;1,000, Deduct</i>	-39.33	
21 13 13 00-0119	EA		3/4" NPT Thread, K=8.0, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head .....	175.36	8.01
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-10.37	
			<i>For &gt;100 To 500, Deduct</i>	-22.72	
			<i>For &gt;500 To 1,000, Deduct</i>	-37.01	
			<i>For &gt;1,000, Deduct</i>	-43.42	
21 13 13 00-0120	EA		1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head .....	85.93	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-5.74	
			<i>For &gt;100 To 500, Deduct</i>	-11.46	
			<i>For &gt;500 To 1,000, Deduct</i>	-20.37	
			<i>For &gt;1,000, Deduct</i>	-26.14	



<b>Fire Suppression</b>	<b>21</b>	<b>12</b>
<b>Water-Based Fire-Suppression Systems</b>	<b>21 10</b>	
<b>Fire-Suppression Sprinkler Systems</b>	<b>21 13</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0121	EA		1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head.....	105.03	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-6.69	
			<i>For &gt;100 To 500, Deduct</i>	-13.85	
			<i>For &gt;500 To 1,000, Deduct</i>	-23.81	
			<i>For &gt;1,000, Deduct</i>	-29.58	
21 13 13 00-0122	EA		1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Brass Wet Pipe Sprinkler Head .....	184.88	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-10.69	
			<i>For &gt;100 To 500, Deduct</i>	-23.83	
			<i>For &gt;500 To 1,000, Deduct</i>	-38.18	
			<i>For &gt;1,000, Deduct</i>	-43.95	
21 13 13 00-0123	EA		1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Chrome Wet Pipe Sprinkler Head.....	234.65	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-13.17	
			<i>For &gt;100 To 500, Deduct</i>	-30.05	
			<i>For &gt;500 To 1,000, Deduct</i>	-47.14	
			<i>For &gt;1,000, Deduct</i>	-52.91	
21 13 13 00-0124	EA		3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head.....	108.24	8.01
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-7.01	
			<i>For &gt;100 To 500, Deduct</i>	-14.33	
			<i>For &gt;500 To 1,000, Deduct</i>	-24.93	
			<i>For &gt;1,000, Deduct</i>	-31.34	
21 13 13 00-0125	EA		3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head.....	108.82	8.01
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-7.04	
			<i>For &gt;100 To 500, Deduct</i>	-14.40	
			<i>For &gt;500 To 1,000, Deduct</i>	-25.04	
			<i>For &gt;1,000, Deduct</i>	-31.45	
<b>21 13 13 00-0126 Sidewall Wet-Pipe Sprinkler Heads (21 13 13 00-0118)</b>					
<b>21 13 13 00-0127 Horizontal Sidewall Wet-Pipe Sprinkler Heads (21 13 13 00-0126)</b>					
21 13 13 00-0128	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....	46.84	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.78	
			<i>For &gt;100 To 500, Deduct</i>	-6.58	
			<i>For &gt;500 To 1,000, Deduct</i>	-13.33	
			<i>For &gt;1,000, Deduct</i>	-19.10	
21 13 13 00-0129	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	48.12	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.85	
			<i>For &gt;100 To 500, Deduct</i>	-6.74	
			<i>For &gt;500 To 1,000, Deduct</i>	-13.56	
			<i>For &gt;1,000, Deduct</i>	-19.33	
21 13 13 00-0130	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall White Polyester Coated Wet Pipe Sprinkler Head.....	50.13	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.95	
			<i>For &gt;100 To 500, Deduct</i>	-6.99	
			<i>For &gt;500 To 1,000, Deduct</i>	-13.93	
			<i>For &gt;1,000, Deduct</i>	-19.69	
21 13 13 00-0131	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....	47.57	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.82	
			<i>For &gt;100 To 500, Deduct</i>	-6.67	
			<i>For &gt;500 To 1,000, Deduct</i>	-13.47	
			<i>For &gt;1,000, Deduct</i>	-19.23	
21 13 13 00-0132	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	48.86	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.89	
			<i>For &gt;100 To 500, Deduct</i>	-6.83	
			<i>For &gt;500 To 1,000, Deduct</i>	-13.70	
			<i>For &gt;1,000, Deduct</i>	-19.47	
21 13 13 00-0133	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall White Wet Pipe Sprinkler Head .....	50.92	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.99	
			<i>For &gt;100 To 500, Deduct</i>	-7.09	
			<i>For &gt;500 To 1,000, Deduct</i>	-14.07	
			<i>For &gt;1,000, Deduct</i>	-19.84	
21 13 13 00-0134	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....	52.24	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-4.05	
			<i>For &gt;100 To 500, Deduct</i>	-7.25	
			<i>For &gt;500 To 1,000, Deduct</i>	-14.31	
			<i>For &gt;1,000, Deduct</i>	-20.07	
21 13 13 00-0135	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	54.32	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-4.16	
			<i>For &gt;100 To 500, Deduct</i>	-7.51	
			<i>For &gt;500 To 1,000, Deduct</i>	-14.68	
			<i>For &gt;1,000, Deduct</i>	-20.45	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0136	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....	56.51	8.01
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-4.43	
			<i>For &gt;100 To 500, Deduct</i>	-7.87	
			<i>For &gt;500 To 1,000, Deduct</i>	-15.62	
			<i>For &gt;1,000, Deduct</i>	-22.03	
21 13 13 00-0137	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	59.62	8.01
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-4.58	
			<i>For &gt;100 To 500, Deduct</i>	-8.25	
			<i>For &gt;500 To 1,000, Deduct</i>	-16.18	
			<i>For &gt;1,000, Deduct</i>	-22.59	
21 13 13 00-0138	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....	56.72	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-4.28	
			<i>For &gt;100 To 500, Deduct</i>	-7.81	
			<i>For &gt;500 To 1,000, Deduct</i>	-15.11	
			<i>For &gt;1,000, Deduct</i>	-20.88	
21 13 13 00-0139	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	58.78	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-4.38	
			<i>For &gt;100 To 500, Deduct</i>	-8.07	
			<i>For &gt;500 To 1,000, Deduct</i>	-15.48	
			<i>For &gt;1,000, Deduct</i>	-21.25	
21 13 13 00-0140	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....	56.72	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-4.28	
			<i>For &gt;100 To 500, Deduct</i>	-7.81	
			<i>For &gt;500 To 1,000, Deduct</i>	-15.11	
			<i>For &gt;1,000, Deduct</i>	-20.88	
21 13 13 00-0141	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	58.78	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-4.38	
			<i>For &gt;100 To 500, Deduct</i>	-8.07	
			<i>For &gt;500 To 1,000, Deduct</i>	-15.48	
			<i>For &gt;1,000, Deduct</i>	-21.25	
21 13 13 00-0142	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....	45.76	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.73	
			<i>For &gt;100 To 500, Deduct</i>	-6.44	
			<i>For &gt;500 To 1,000, Deduct</i>	-13.14	
			<i>For &gt;1,000, Deduct</i>	-18.91	
21 13 13 00-0143	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head .....	46.81	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.78	
			<i>For &gt;100 To 500, Deduct</i>	-6.57	
			<i>For &gt;500 To 1,000, Deduct</i>	-13.33	
			<i>For &gt;1,000, Deduct</i>	-19.10	
21 13 13 00-0144	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head .....	48.12	7.22
			<i>For &gt;25 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.85	
			<i>For &gt;100 To 500, Deduct</i>	-6.74	
			<i>For &gt;500 To 1,000, Deduct</i>	-13.56	
			<i>For &gt;1,000, Deduct</i>	-19.33	
21 13 13 00-0145	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	50.20	8.01
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-4.11	
			<i>For &gt;100 To 500, Deduct</i>	-7.08	
			<i>For &gt;500 To 1,000, Deduct</i>	-14.48	
			<i>For &gt;1,000, Deduct</i>	-20.89	
21 13 13 00-0146	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	51.33	8.01
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-4.17	
			<i>For &gt;100 To 500, Deduct</i>	-7.22	
			<i>For &gt;500 To 1,000, Deduct</i>	-14.69	
			<i>For &gt;1,000, Deduct</i>	-21.10	
21 13 13 00-0147	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	52.55	8.01
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-4.23	
			<i>For &gt;100 To 500, Deduct</i>	-7.37	
			<i>For &gt;500 To 1,000, Deduct</i>	-14.91	
			<i>For &gt;1,000, Deduct</i>	-21.32	
21 13 13 00-0148	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....	51.10	8.01
			<i>For &gt;25 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-4.16	
			<i>For &gt;100 To 500, Deduct</i>	-7.19	
			<i>For &gt;500 To 1,000, Deduct</i>	-14.65	
			<i>For &gt;1,000, Deduct</i>	-21.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0149 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	52.27	8.01
<i>For &gt;25 To 50, Deduct</i>	-1.60	
<i>For &gt;50 To 100, Deduct</i>	-4.22	
<i>For &gt;100 To 500, Deduct</i>	-7.34	
<i>For &gt;500 To 1,000, Deduct</i>	-14.86	
<i>For &gt;1,000, Deduct</i>	-21.27	
21 13 13 00-0150 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	53.54	8.01
<i>For &gt;25 To 50, Deduct</i>	-1.60	
<i>For &gt;50 To 100, Deduct</i>	-4.28	
<i>For &gt;100 To 500, Deduct</i>	-7.49	
<i>For &gt;500 To 1,000, Deduct</i>	-15.09	
<i>For &gt;1,000, Deduct</i>	-21.50	
21 13 13 00-0151 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	53.56	8.01
<i>For &gt;25 To 50, Deduct</i>	-1.60	
<i>For &gt;50 To 100, Deduct</i>	-4.28	
<i>For &gt;100 To 500, Deduct</i>	-7.50	
<i>For &gt;500 To 1,000, Deduct</i>	-15.09	
<i>For &gt;1,000, Deduct</i>	-21.50	
21 13 13 00-0152 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	55.29	8.01
<i>For &gt;25 To 50, Deduct</i>	-1.60	
<i>For &gt;50 To 100, Deduct</i>	-4.37	
<i>For &gt;100 To 500, Deduct</i>	-7.71	
<i>For &gt;500 To 1,000, Deduct</i>	-15.40	
<i>For &gt;1,000, Deduct</i>	-21.81	
21 13 13 00-0153 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head.....	55.29	8.01
<i>For &gt;25 To 50, Deduct</i>	-1.60	
<i>For &gt;50 To 100, Deduct</i>	-4.37	
<i>For &gt;100 To 500, Deduct</i>	-7.71	
<i>For &gt;500 To 1,000, Deduct</i>	-15.40	
<i>For &gt;1,000, Deduct</i>	-21.81	
21 13 13 00-0154 EA 1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	87.86	7.22
<i>For &gt;25 To 50, Deduct</i>	-1.44	
<i>For &gt;50 To 100, Deduct</i>	-5.84	
<i>For &gt;100 To 500, Deduct</i>	-11.70	
<i>For &gt;500 To 1,000, Deduct</i>	-20.72	
<i>For &gt;1,000, Deduct</i>	-26.49	
21 13 13 00-0155 EA 1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall White Wet Pipe Sprinkler Head.....	87.86	7.22
<i>For &gt;25 To 50, Deduct</i>	-1.44	
<i>For &gt;50 To 100, Deduct</i>	-5.84	
<i>For &gt;100 To 500, Deduct</i>	-11.70	
<i>For &gt;500 To 1,000, Deduct</i>	-20.72	
<i>For &gt;1,000, Deduct</i>	-26.49	
21 13 13 00-0156 EA 1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	46.20	7.22
<i>For &gt;25 To 50, Deduct</i>	-1.44	
<i>For &gt;50 To 100, Deduct</i>	-3.75	
<i>For &gt;100 To 500, Deduct</i>	-6.50	
<i>For &gt;500 To 1,000, Deduct</i>	-13.22	
<i>For &gt;1,000, Deduct</i>	-18.99	
21 13 13 00-0157 EA 1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	46.20	7.22
<i>For &gt;25 To 50, Deduct</i>	-1.44	
<i>For &gt;50 To 100, Deduct</i>	-3.75	
<i>For &gt;100 To 500, Deduct</i>	-6.50	
<i>For &gt;500 To 1,000, Deduct</i>	-13.22	
<i>For &gt;1,000, Deduct</i>	-18.99	
21 13 13 00-0158 EA 1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall White Wet Pipe Sprinkler Head.....	46.20	7.22
<i>For &gt;25 To 50, Deduct</i>	-1.44	
<i>For &gt;50 To 100, Deduct</i>	-3.75	
<i>For &gt;100 To 500, Deduct</i>	-6.50	
<i>For &gt;500 To 1,000, Deduct</i>	-13.22	
<i>For &gt;1,000, Deduct</i>	-18.99	
<b>21 13 13 00-0159 Vertical Sidewall Wet-Pipe Sprinkler Heads</b> <small>(21 13 13 00-0126)</small>		
21 13 13 00-0160 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Brass Wet Pipe Sprinkler Head.....	48.50	7.22
<i>For &gt;25 To 50, Deduct</i>	-1.44	
<i>For &gt;50 To 100, Deduct</i>	-3.87	
<i>For &gt;100 To 500, Deduct</i>	-6.78	
<i>For &gt;500 To 1,000, Deduct</i>	-13.63	
<i>For &gt;1,000, Deduct</i>	-19.40	
21 13 13 00-0161 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Chrome Wet Pipe Sprinkler Head.....	50.09	7.22
<i>For &gt;25 To 50, Deduct</i>	-1.44	
<i>For &gt;50 To 100, Deduct</i>	-3.95	
<i>For &gt;100 To 500, Deduct</i>	-6.98	
<i>For &gt;500 To 1,000, Deduct</i>	-13.92	
<i>For &gt;1,000, Deduct</i>	-19.69	
21 13 13 00-0162 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall White Wet Pipe Sprinkler Head.....	50.77	7.22
<i>For &gt;25 To 50, Deduct</i>	-1.44	
<i>For &gt;50 To 100, Deduct</i>	-3.98	
<i>For &gt;100 To 500, Deduct</i>	-7.07	
<i>For &gt;500 To 1,000, Deduct</i>	-14.04	
<i>For &gt;1,000, Deduct</i>	-19.81	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
21 13 13 00-0163		Concealed Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0018)</small>			
21 13 13 00-0164		Concealed Pendant Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0163)</small>			
21 13 13 00-0165	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head, Low Lead .....	69.72		9.62
		Note: Excludes coverplate			
		For >25 To 50, Deduct	-1.92		
		For >50 To 100, Deduct	-5.41		
		For >100 To 500, Deduct	-9.68		
		For >500 To 1,000, Deduct	-19.09		
		For >1,000, Deduct	-26.78		
21 13 13 00-0166	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	51.06		9.62
		Note: Excludes coverplate			
		For >25 To 50, Deduct	-1.92		
		For >50 To 100, Deduct	-4.48		
		For >100 To 500, Deduct	-7.34		
		For >500 To 1,000, Deduct	-15.73		
		For >1,000, Deduct	-23.42		
21 13 13 00-0167	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Concealed Pendent Brass Wet Pipe Sprinkler Head .....	51.74		9.62
		Note: Excludes coverplate			
		For >25 To 50, Deduct	-1.92		
		For >50 To 100, Deduct	-4.51		
		For >100 To 500, Deduct	-7.43		
		For >500 To 1,000, Deduct	-15.85		
		For >1,000, Deduct	-23.54		
21 13 13 00-0168	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	64.21		10.41
		Note: Excludes coverplate			
		For >25 To 50, Deduct	-2.08		
		For >50 To 100, Deduct	-5.29		
		For >100 To 500, Deduct	-9.07		
		For >500 To 1,000, Deduct	-18.64		
		For >1,000, Deduct	-26.98		
21 13 13 00-0169	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	61.00		9.62
		Note: Excludes coverplate			
		For >25 To 50, Deduct	-1.92		
		For >50 To 100, Deduct	-4.97		
		For >100 To 500, Deduct	-8.59		
		For >500 To 1,000, Deduct	-17.52		
		For >1,000, Deduct	-25.21		
21 13 13 00-0170	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Concealed Pendent Brass Wet Pipe Sprinkler Head.....	61.00		9.62
		Note: Excludes coverplate			
		For >25 To 50, Deduct	-1.92		
		For >50 To 100, Deduct	-4.97		
		For >100 To 500, Deduct	-8.59		
		For >500 To 1,000, Deduct	-17.52		
		For >1,000, Deduct	-25.21		
21 13 13 00-0171	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head .....	64.21		10.41
		Note: Excludes coverplate			
		For >25 To 50, Deduct	-2.08		
		For >50 To 100, Deduct	-5.29		
		For >100 To 500, Deduct	-9.07		
		For >500 To 1,000, Deduct	-18.64		
		For >1,000, Deduct	-26.98		
21 13 13 00-0172	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head .....	56.63		9.62
		Note: Excludes coverplate			
		For >25 To 50, Deduct	-1.92		
		For >50 To 100, Deduct	-4.75		
		For >100 To 500, Deduct	-8.04		
		For >500 To 1,000, Deduct	-16.73		
		For >1,000, Deduct	-24.42		
21 13 13 00-0173	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head .....	61.00		9.62
		Note: Excludes coverplate			
		For >25 To 50, Deduct	-1.92		
		For >50 To 100, Deduct	-4.97		
		For >100 To 500, Deduct	-8.59		
		For >500 To 1,000, Deduct	-17.52		
		For >1,000, Deduct	-25.21		
21 13 13 00-0174	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head .....	61.00		9.62
		Note: Excludes coverplate			
		For >25 To 50, Deduct	-1.92		
		For >50 To 100, Deduct	-4.97		
		For >100 To 500, Deduct	-8.59		
		For >500 To 1,000, Deduct	-17.52		
		For >1,000, Deduct	-25.21		
21 13 13 00-0175	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head .....	57.66		9.62
		Note: Excludes coverplate			
		For >25 To 50, Deduct	-1.92		
		For >50 To 100, Deduct	-4.81		
		For >100 To 500, Deduct	-8.17		
		For >500 To 1,000, Deduct	-16.92		
		For >1,000, Deduct	-24.61		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0176 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Adjustable Concealed Pendant Brass Wet Pipe Sprinkler Head.....	93.43	11.22
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.24	
For >50 To 100, Deduct	-6.92	
For >100 To 500, Deduct	-12.80	
For >500 To 1,000, Deduct	-24.45	
For >1,000, Deduct	-33.42	
21 13 13 00-0177 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Concealed Pendant Brass Wet Pipe Sprinkler Head.....	54.45	9.62
Note: Excludes coverplate		
For >25 To 50, Deduct	-1.92	
For >50 To 100, Deduct	-4.65	
For >100 To 500, Deduct	-7.77	
For >500 To 1,000, Deduct	-16.34	
For >1,000, Deduct	-24.03	
21 13 13 00-0178 EA 3/4" NPT Thread, 17/32" Orifice, K=5.6, Extended Coverage, Concealed Pendant Brass Wet Pipe Sprinkler Head.....	57.38	10.41
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.08	
For >50 To 100, Deduct	-4.95	
For >100 To 500, Deduct	-8.21	
For >500 To 1,000, Deduct	-17.41	
For >1,000, Deduct	-25.75	
21 13 13 00-0179 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendant Brass Wet Pipe Sprinkler Head.....	55.07	9.62
Note: Excludes coverplate		
For >25 To 50, Deduct	-1.92	
For >50 To 100, Deduct	-4.68	
For >100 To 500, Deduct	-7.85	
For >500 To 1,000, Deduct	-16.45	
For >1,000, Deduct	-24.14	
21 13 13 00-0180 EA 3/4" NPT Thread, 17/32" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendant Brass Wet Pipe Sprinkler Head.....	58.28	10.41
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.08	
For >50 To 100, Deduct	-5.00	
For >100 To 500, Deduct	-8.33	
For >500 To 1,000, Deduct	-17.57	
For >1,000, Deduct	-25.91	
21 13 13 00-0181 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Concealed Pendant Brass Wet Pipe Sprinkler Head.....	64.49	10.41
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.08	
For >50 To 100, Deduct	-5.31	
For >100 To 500, Deduct	-9.10	
For >500 To 1,000, Deduct	-18.69	
For >1,000, Deduct	-27.03	
21 13 13 00-0182 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendant Non-Ferrous Sprinkler Head With Escutcheon And Adjustable Chrome Coverplate.....	107.58	11.22
For >25 To 50, Deduct	-2.24	
For >50 To 100, Deduct	-7.62	
For >100 To 500, Deduct	-14.57	
For >500 To 1,000, Deduct	-26.99	
For >1,000, Deduct	-35.97	
21 13 13 00-0183 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendant Non-Ferrous Sprinkler Head With Escutcheon And Adjustable White Coverplate.....	107.58	11.22
For >25 To 50, Deduct	-2.24	
For >50 To 100, Deduct	-7.62	
For >100 To 500, Deduct	-14.57	
For >500 To 1,000, Deduct	-26.99	
For >1,000, Deduct	-35.97	
<b>21 13 13 00-0184 Concealed Horizontal Side Wall Wet-Pipe Sprinkler Heads <small>(21 13 13 00-0163)</small></b>		
21 13 13 00-0185 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	74.92	9.62
Note: Excludes coverplate		
For >25 To 50, Deduct	-1.92	
For >50 To 100, Deduct	-5.67	
For >100 To 500, Deduct	-10.33	
For >500 To 1,000, Deduct	-20.02	
For >1,000, Deduct	-27.72	
21 13 13 00-0186 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	84.20	10.41
Note: Excludes coverplate		
For >25 To 50, Deduct	-2.08	
For >50 To 100, Deduct	-6.29	
For >100 To 500, Deduct	-11.57	
For >500 To 1,000, Deduct	-22.24	
For >1,000, Deduct	-30.57	
21 13 13 00-0187 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	59.74	9.62
Note: Excludes coverplate		
For >25 To 50, Deduct	-1.92	
For >50 To 100, Deduct	-4.91	
For >100 To 500, Deduct	-8.43	
For >500 To 1,000, Deduct	-17.29	
For >1,000, Deduct	-24.98	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0188	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....	60.64	10.41
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-2.08	
			For >50 To 100, Deduct	-5.12	
			For >100 To 500, Deduct	-8.62	
			For >500 To 1,000, Deduct	-18.00	
			For >1,000, Deduct	-26.33	
<b>21 13 13 00-0189</b>			<b>Institutional Tamper Resistant Wet-Pipe Sprinkler Heads</b> <small>(21 13 13 00-0018)</small>		
21 13 13 00-0190	EA		1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head .....	173.24	8.01
			Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
			For >25 To 50, Deduct	-1.60	
			For >50 To 100, Deduct	-10.26	
			For >100 To 500, Deduct	-22.46	
			For >500 To 1,000, Deduct	-36.63	
			For >1,000, Deduct	-43.04	
21 13 13 00-0191	EA		1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head .....	169.16	8.01
			Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
			For >25 To 50, Deduct	-1.60	
			For >50 To 100, Deduct	-10.06	
			For >100 To 500, Deduct	-21.95	
			For >500 To 1,000, Deduct	-35.90	
			For >1,000, Deduct	-42.31	
21 13 13 00-0192	EA		1/2" NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head .....	75.22	8.01
			For >25 To 50, Deduct	-1.60	
			For >50 To 100, Deduct	-5.36	
			For >100 To 500, Deduct	-10.20	
			For >500 To 1,000, Deduct	-18.99	
			For >1,000, Deduct	-25.40	
21 13 13 00-0193	EA		1/2" NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head .....	83.68	8.01
			For >25 To 50, Deduct	-1.60	
			For >50 To 100, Deduct	-5.79	
			For >100 To 500, Deduct	-11.26	
			For >500 To 1,000, Deduct	-20.51	
			For >1,000, Deduct	-26.92	
<b>21 13 13 00-0194</b>			<b>Wet-Pipe Sprinkler Head Accessories</b> <small>(21 13 13 00-0011)</small>		
<b>21 13 13 00-0195</b>			<b>Sprinkler Adjustable Steel Drop Nipple</b> <small>(21 13 13 00-0194)</small>		
21 13 13 00-0196	EA		1" Male NPT x 1/2" Female NPT x 4.125" Minimum Length To 5.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M1.150) .....	28.89	7.57
			For >25 To 50, Deduct	-0.63	
			For >50 To 100, Deduct	-2.07	
			For >100 To 500, Deduct	-3.93	
			For >500 To 1,000, Deduct	-7.34	
			For >1,000, Deduct	-9.86	
21 13 13 00-0197	EA		1" Male NPT x 1/2" Female NPT x 6.125" Minimum Length To 9.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M3.150) .....	28.89	7.57
			For >25 To 50, Deduct	-0.63	
			For >50 To 100, Deduct	-2.07	
			For >100 To 500, Deduct	-3.93	
			For >500 To 1,000, Deduct	-7.34	
			For >1,000, Deduct	-9.86	
21 13 13 00-0198	EA		1" Male NPT x 1/2" Female NPT x 7.875" Minimum Length To 10.875" Maximum Length, Adjustable Steel Drop Nipple (Anvil ME3.150) .....	29.22	7.57
			For >25 To 50, Deduct	-0.63	
			For >50 To 100, Deduct	-2.09	
			For >100 To 500, Deduct	-3.97	
			For >500 To 1,000, Deduct	-7.40	
			For >1,000, Deduct	-9.92	
21 13 13 00-0199	EA		1" Female NPT x 1/2" Female NPT x 3.5" Minimum Length To 4.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F1.150) .....	25.80	7.57
			For >25 To 50, Deduct	-0.63	
			For >50 To 100, Deduct	-1.92	
			For >100 To 500, Deduct	-3.54	
			For >500 To 1,000, Deduct	-6.79	
			For >1,000, Deduct	-9.31	
21 13 13 00-0200	EA		1" Female NPT x 1/2" Female NPT x 4.5" Minimum Length To 6.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F2.150) .....	25.80	7.57
			For >25 To 50, Deduct	-0.63	
			For >50 To 100, Deduct	-1.92	
			For >100 To 500, Deduct	-3.54	
			For >500 To 1,000, Deduct	-6.79	
			For >1,000, Deduct	-9.31	
21 13 13 00-0201	EA		1" Female NPT x 1/2" Female NPT x 5.5" Minimum Length To 8.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.150) .....	25.80	7.57
			For >25 To 50, Deduct	-0.63	
			For >50 To 100, Deduct	-1.92	
			For >100 To 500, Deduct	-3.54	
			For >500 To 1,000, Deduct	-6.79	
			For >1,000, Deduct	-9.31	



<b>Fire Suppression</b>	<b>21</b>	<b>12</b>
<b>Water-Based Fire-Suppression Systems</b>	<b>21 10</b>	
<b>Fire-Suppression Sprinkler Systems</b>	<b>21 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0202 EA 1" Female NPT x 3/4" Female NPT x 7.35" Minimum Length To 10.35" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.175).....	28.82	8.22
For >25 To 50, Deduct	-0.69	
For >50 To 100, Deduct	-2.13	
For >100 To 500, Deduct	-3.95	
For >500 To 1,000, Deduct	-7.52	
For >1,000, Deduct	-10.26	
<b>21 13 13 00-0203 Sprinkler Head Escutcheon</b> <small>(21 13 13 00-0194)</small>		
21 13 13 00-0204 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon.....	11.48	2.89
For >25 To 50, Deduct	-0.24	
For >50 To 100, Deduct	-0.81	
For >100 To 500, Deduct	-1.56	
For >500 To 1,000, Deduct	-2.88	
For >1,000, Deduct	-3.84	
21 13 13 00-0205 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon.....	8.11	2.89
For >25 To 50, Deduct	-0.24	
For >50 To 100, Deduct	-0.65	
For >100 To 500, Deduct	-1.13	
For >500 To 1,000, Deduct	-2.28	
For >1,000, Deduct	-3.24	
21 13 13 00-0206 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon.....	8.11	2.89
For >25 To 50, Deduct	-0.24	
For >50 To 100, Deduct	-0.65	
For >100 To 500, Deduct	-1.13	
For >500 To 1,000, Deduct	-2.28	
For >1,000, Deduct	-3.24	
21 13 13 00-0207 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon.....	11.48	2.89
For >25 To 50, Deduct	-0.24	
For >50 To 100, Deduct	-0.81	
For >100 To 500, Deduct	-1.56	
For >500 To 1,000, Deduct	-2.88	
For >1,000, Deduct	-3.84	
21 13 13 00-0208 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon.....	8.11	2.89
For >25 To 50, Deduct	-0.24	
For >50 To 100, Deduct	-0.65	
For >100 To 500, Deduct	-1.13	
For >500 To 1,000, Deduct	-2.28	
For >1,000, Deduct	-3.24	
21 13 13 00-0209 EA 2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon.....	8.11	2.89
For >25 To 50, Deduct	-0.24	
For >50 To 100, Deduct	-0.65	
For >100 To 500, Deduct	-1.13	
For >500 To 1,000, Deduct	-2.28	
For >1,000, Deduct	-3.24	
21 13 13 00-0210 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon.....	10.87	2.89
For >25 To 50, Deduct	-0.24	
For >50 To 100, Deduct	-0.78	
For >100 To 500, Deduct	-1.48	
For >500 To 1,000, Deduct	-2.77	
For >1,000, Deduct	-3.73	
21 13 13 00-0211 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon.....	8.11	2.89
For >25 To 50, Deduct	-0.24	
For >50 To 100, Deduct	-0.65	
For >100 To 500, Deduct	-1.13	
For >500 To 1,000, Deduct	-2.28	
For >1,000, Deduct	-3.24	
21 13 13 00-0212 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon.....	8.11	2.89
For >25 To 50, Deduct	-0.24	
For >50 To 100, Deduct	-0.65	
For >100 To 500, Deduct	-1.13	
For >500 To 1,000, Deduct	-2.28	
For >1,000, Deduct	-3.24	
21 13 13 00-0213 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon.....	10.87	2.89
For >25 To 50, Deduct	-0.24	
For >50 To 100, Deduct	-0.78	
For >100 To 500, Deduct	-1.48	
For >500 To 1,000, Deduct	-2.77	
For >1,000, Deduct	-3.73	
21 13 13 00-0214 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon.....	8.11	2.89
For >25 To 50, Deduct	-0.24	
For >50 To 100, Deduct	-0.65	
For >100 To 500, Deduct	-1.13	
For >500 To 1,000, Deduct	-2.28	
For >1,000, Deduct	-3.24	
21 13 13 00-0215 EA 2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon.....	8.11	2.89
For >25 To 50, Deduct	-0.24	
For >50 To 100, Deduct	-0.65	
For >100 To 500, Deduct	-1.13	
For >500 To 1,000, Deduct	-2.28	
For >1,000, Deduct	-3.24	



<b>21</b>	<b>Fire Suppression</b>
<b>21 10</b>	<b>Water-Based Fire-Suppression Systems</b>
<b>21 13</b>	<b>Fire-Suppression Sprinkler Systems</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0216	EA		3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off Chrome Sprinkler Head Recessed Escutcheon.....	11.17	2.89
			<i>For &gt;25 To 50, Deduct</i>	-0.24	
			<i>For &gt;50 To 100, Deduct</i>	-0.80	
			<i>For &gt;100 To 500, Deduct</i>	-1.52	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.83	
			<i>For &gt;1,000, Deduct</i>	-3.79	
21 13 13 00-0217	EA		3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off White Sprinkler Head Recessed Escutcheon.....	11.17	2.89
			<i>For &gt;25 To 50, Deduct</i>	-0.24	
			<i>For &gt;50 To 100, Deduct</i>	-0.80	
			<i>For &gt;100 To 500, Deduct</i>	-1.52	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.83	
			<i>For &gt;1,000, Deduct</i>	-3.79	
21 13 13 00-0218	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Brass Sprinkler Head Escutcheon.....	4.56	2.12
			<i>For &gt;25 To 50, Deduct</i>	-0.16	
			<i>For &gt;50 To 100, Deduct</i>	-0.39	
			<i>For &gt;100 To 500, Deduct</i>	-0.65	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.37	
			<i>For &gt;1,000, Deduct</i>	-2.01	
21 13 13 00-0219	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon.....	4.14	2.12
			<i>For &gt;25 To 50, Deduct</i>	-0.16	
			<i>For &gt;50 To 100, Deduct</i>	-0.37	
			<i>For &gt;100 To 500, Deduct</i>	-0.60	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.29	
			<i>For &gt;1,000, Deduct</i>	-1.93	
21 13 13 00-0220	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon.....	4.25	2.12
			<i>For &gt;25 To 50, Deduct</i>	-0.16	
			<i>For &gt;50 To 100, Deduct</i>	-0.37	
			<i>For &gt;100 To 500, Deduct</i>	-0.61	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.31	
			<i>For &gt;1,000, Deduct</i>	-1.95	
21 13 13 00-0221	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Brass Sprinkler Head Escutcheon.....	4.64	2.12
			<i>For &gt;25 To 50, Deduct</i>	-0.16	
			<i>For &gt;50 To 100, Deduct</i>	-0.39	
			<i>For &gt;100 To 500, Deduct</i>	-0.66	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.38	
			<i>For &gt;1,000, Deduct</i>	-2.02	
21 13 13 00-0222	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Chrome Sprinkler Head Escutcheon.....	4.21	2.12
			<i>For &gt;25 To 50, Deduct</i>	-0.16	
			<i>For &gt;50 To 100, Deduct</i>	-0.37	
			<i>For &gt;100 To 500, Deduct</i>	-0.61	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.30	
			<i>For &gt;1,000, Deduct</i>	-1.95	
21 13 13 00-0223	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, White Sprinkler Head Escutcheon.....	4.21	2.12
			<i>For &gt;25 To 50, Deduct</i>	-0.16	
			<i>For &gt;50 To 100, Deduct</i>	-0.37	
			<i>For &gt;100 To 500, Deduct</i>	-0.61	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.30	
			<i>For &gt;1,000, Deduct</i>	-1.95	
21 13 13 00-0224	EA		2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Bright Brass Sprinkler Head Escutcheon.....	5.08	2.12
			<i>For &gt;25 To 50, Deduct</i>	-0.16	
			<i>For &gt;50 To 100, Deduct</i>	-0.41	
			<i>For &gt;100 To 500, Deduct</i>	-0.72	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.46	
			<i>For &gt;1,000, Deduct</i>	-2.10	
21 13 13 00-0225	EA		2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon.....	4.20	2.12
			<i>For &gt;25 To 50, Deduct</i>	-0.16	
			<i>For &gt;50 To 100, Deduct</i>	-0.37	
			<i>For &gt;100 To 500, Deduct</i>	-0.61	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.30	
			<i>For &gt;1,000, Deduct</i>	-1.94	
21 13 13 00-0226	EA		2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon.....	4.20	2.12
			<i>For &gt;25 To 50, Deduct</i>	-0.16	
			<i>For &gt;50 To 100, Deduct</i>	-0.37	
			<i>For &gt;100 To 500, Deduct</i>	-0.61	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.30	
			<i>For &gt;1,000, Deduct</i>	-1.94	
21 13 13 00-0227	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Telescoping Escutcheon.....	6.84	2.96
			<i>For &gt;25 To 50, Deduct</i>	-0.22	
			<i>For &gt;50 To 100, Deduct</i>	-0.57	
			<i>For &gt;100 To 500, Deduct</i>	-0.97	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.99	
			<i>For &gt;1,000, Deduct</i>	-2.89	
21 13 13 00-0228	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Telescoping Escutcheon.....	6.61	2.96
			<i>For &gt;25 To 50, Deduct</i>	-0.22	
			<i>For &gt;50 To 100, Deduct</i>	-0.56	
			<i>For &gt;100 To 500, Deduct</i>	-0.94	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.95	
			<i>For &gt;1,000, Deduct</i>	-2.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0229 EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, White Sprinkler Head Telescoping Escutcheon.....	6.69	2.96
<i>For &gt;25 To 50, Deduct</i>	-0.22	
<i>For &gt;50 To 100, Deduct</i>	-0.56	
<i>For &gt;100 To 500, Deduct</i>	-0.95	
<i>For &gt;500 To 1,000, Deduct</i>	-1.97	
<i>For &gt;1,000, Deduct</i>	-2.87	
21 13 13 00-0230 EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Telescoping Escutcheon.....	6.92	2.96
<i>For &gt;25 To 50, Deduct</i>	-0.22	
<i>For &gt;50 To 100, Deduct</i>	-0.57	
<i>For &gt;100 To 500, Deduct</i>	-0.98	
<i>For &gt;500 To 1,000, Deduct</i>	-2.01	
<i>For &gt;1,000, Deduct</i>	-2.91	
21 13 13 00-0231 EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Telescoping Escutcheon.....	6.69	2.96
<i>For &gt;25 To 50, Deduct</i>	-0.22	
<i>For &gt;50 To 100, Deduct</i>	-0.56	
<i>For &gt;100 To 500, Deduct</i>	-0.95	
<i>For &gt;500 To 1,000, Deduct</i>	-1.97	
<i>For &gt;1,000, Deduct</i>	-2.87	
21 13 13 00-0232 EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, White Sprinkler Head Telescoping Escutcheon.....	6.84	2.96
<i>For &gt;25 To 50, Deduct</i>	-0.22	
<i>For &gt;50 To 100, Deduct</i>	-0.57	
<i>For &gt;100 To 500, Deduct</i>	-0.97	
<i>For &gt;500 To 1,000, Deduct</i>	-1.99	
<i>For &gt;1,000, Deduct</i>	-2.89	
21 13 13 00-0233 EA Flat Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head .....	13.95	2.89
<i>For &gt;25 To 50, Deduct</i>	-0.24	
<i>For &gt;50 To 100, Deduct</i>	-0.94	
<i>For &gt;100 To 500, Deduct</i>	-1.86	
<i>For &gt;500 To 1,000, Deduct</i>	-3.33	
<i>For &gt;1,000, Deduct</i>	-4.29	
21 13 13 00-0234 EA Flat White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head.....	13.95	2.89
<i>For &gt;25 To 50, Deduct</i>	-0.24	
<i>For &gt;50 To 100, Deduct</i>	-0.94	
<i>For &gt;100 To 500, Deduct</i>	-1.86	
<i>For &gt;500 To 1,000, Deduct</i>	-3.33	
<i>For &gt;1,000, Deduct</i>	-4.29	
21 13 13 00-0235 EA Conical Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head .....	13.95	2.89
<i>For &gt;25 To 50, Deduct</i>	-0.24	
<i>For &gt;50 To 100, Deduct</i>	-0.94	
<i>For &gt;100 To 500, Deduct</i>	-1.86	
<i>For &gt;500 To 1,000, Deduct</i>	-3.33	
<i>For &gt;1,000, Deduct</i>	-4.29	
21 13 13 00-0236 EA Conical White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head.....	13.95	2.89
<i>For &gt;25 To 50, Deduct</i>	-0.24	
<i>For &gt;50 To 100, Deduct</i>	-0.94	
<i>For &gt;100 To 500, Deduct</i>	-1.86	
<i>For &gt;500 To 1,000, Deduct</i>	-3.33	
<i>For &gt;1,000, Deduct</i>	-4.29	
21 13 13 00-0237 EA Chrome Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head .....	13.95	2.89
<i>For &gt;25 To 50, Deduct</i>	-0.24	
<i>For &gt;50 To 100, Deduct</i>	-0.94	
<i>For &gt;100 To 500, Deduct</i>	-1.86	
<i>For &gt;500 To 1,000, Deduct</i>	-3.33	
<i>For &gt;1,000, Deduct</i>	-4.29	
21 13 13 00-0238 EA White Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head.....	13.95	2.89
<i>For &gt;25 To 50, Deduct</i>	-0.24	
<i>For &gt;50 To 100, Deduct</i>	-0.94	
<i>For &gt;100 To 500, Deduct</i>	-1.86	
<i>For &gt;500 To 1,000, Deduct</i>	-3.33	
<i>For &gt;1,000, Deduct</i>	-4.29	
21 13 13 00-0239 EA 2-Piece Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head .....	16.04	2.89
<i>For &gt;25 To 50, Deduct</i>	-0.24	
<i>For &gt;50 To 100, Deduct</i>	-1.04	
<i>For &gt;100 To 500, Deduct</i>	-2.13	
<i>For &gt;500 To 1,000, Deduct</i>	-3.70	
<i>For &gt;1,000, Deduct</i>	-4.66	
21 13 13 00-0240 EA 2-Piece White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head.....	16.53	2.89
<i>For &gt;25 To 50, Deduct</i>	-0.24	
<i>For &gt;50 To 100, Deduct</i>	-1.07	
<i>For &gt;100 To 500, Deduct</i>	-2.19	
<i>For &gt;500 To 1,000, Deduct</i>	-3.79	
<i>For &gt;1,000, Deduct</i>	-4.75	
<b>21 13 13 00-0241 Coverplate For Sprinkler Heads <small>(21 13 13 00-0194)</small></b>		
21 13 13 00-0242 EA Chrome Coverplate For Concealed Pendent Sprinkler Head .....	32.65	3.27
<i>For &gt;25 To 50, Deduct</i>	-0.27	
<i>For &gt;50 To 100, Deduct</i>	-1.91	
<i>For &gt;100 To 500, Deduct</i>	-4.22	
<i>For &gt;500 To 1,000, Deduct</i>	-6.80	
<i>For &gt;1,000, Deduct</i>	-7.89	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0243	EA		White Coverplate For Concealed Pendent Sprinkler Head.....	16.05	3.27
			<i>For &gt;25 To 50, Deduct</i>	-0.27	
			<i>For &gt;50 To 100, Deduct</i>	-1.08	
			<i>For &gt;100 To 500, Deduct</i>	-2.14	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.82	
			<i>For &gt;1,000, Deduct</i>	-4.91	
21 13 13 00-0244	EA		Specialty Coverplate For Concealed Pendent Sprinkler Head.....	23.25	3.27
			<i>For &gt;25 To 50, Deduct</i>	-0.27	
			<i>For &gt;50 To 100, Deduct</i>	-1.44	
			<i>For &gt;100 To 500, Deduct</i>	-3.04	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.11	
			<i>For &gt;1,000, Deduct</i>	-6.20	
21 13 13 00-0245	EA		Brass Coverplate For Concealed Sidewall Sprinkler Head.....	21.38	3.27
			<i>For &gt;25 To 50, Deduct</i>	-0.27	
			<i>For &gt;50 To 100, Deduct</i>	-1.34	
			<i>For &gt;100 To 500, Deduct</i>	-2.81	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.77	
			<i>For &gt;1,000, Deduct</i>	-5.86	
21 13 13 00-0246	EA		Chrome Coverplate For Concealed Sidewall Sprinkler Head.....	17.15	3.27
			<i>For &gt;25 To 50, Deduct</i>	-0.27	
			<i>For &gt;50 To 100, Deduct</i>	-1.13	
			<i>For &gt;100 To 500, Deduct</i>	-2.28	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.01	
			<i>For &gt;1,000, Deduct</i>	-5.10	
21 13 13 00-0247	EA		White Coverplate For Concealed Sidewall Sprinkler Head.....	17.15	3.27
			<i>For &gt;25 To 50, Deduct</i>	-0.27	
			<i>For &gt;50 To 100, Deduct</i>	-1.13	
			<i>For &gt;100 To 500, Deduct</i>	-2.28	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.01	
			<i>For &gt;1,000, Deduct</i>	-5.10	
21 13 13 00-0248	EA		Off-White Coverplate For Concealed Sidewall Sprinkler Head.....	21.38	3.27
			<i>For &gt;25 To 50, Deduct</i>	-0.27	
			<i>For &gt;50 To 100, Deduct</i>	-1.34	
			<i>For &gt;100 To 500, Deduct</i>	-2.81	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.77	
			<i>For &gt;1,000, Deduct</i>	-5.86	
21 13 13 00-0249	EA		Black Painted Coverplate For Concealed Sidewall Sprinkler Head.....	21.38	3.27
			<i>For &gt;25 To 50, Deduct</i>	-0.27	
			<i>For &gt;50 To 100, Deduct</i>	-1.34	
			<i>For &gt;100 To 500, Deduct</i>	-2.81	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.77	
			<i>For &gt;1,000, Deduct</i>	-5.86	
21 13 13 00-0250	EA		Black Plated Coverplate For Concealed Sidewall Sprinkler Head.....	24.74	3.27
			<i>For &gt;25 To 50, Deduct</i>	-0.27	
			<i>For &gt;50 To 100, Deduct</i>	-1.51	
			<i>For &gt;100 To 500, Deduct</i>	-3.23	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.38	
			<i>For &gt;1,000, Deduct</i>	-6.47	
21 13 13 00-0251	EA		Bright Brass Coverplate For Concealed Sidewall Sprinkler Head.....	24.74	3.27
			<i>For &gt;25 To 50, Deduct</i>	-0.27	
			<i>For &gt;50 To 100, Deduct</i>	-1.51	
			<i>For &gt;100 To 500, Deduct</i>	-3.23	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.38	
			<i>For &gt;1,000, Deduct</i>	-6.47	
21 13 13 00-0252	EA		Satin Chrome Coverplate For Concealed Sidewall Sprinkler Head.....	24.74	3.27
			<i>For &gt;25 To 50, Deduct</i>	-0.27	
			<i>For &gt;50 To 100, Deduct</i>	-1.51	
			<i>For &gt;100 To 500, Deduct</i>	-3.23	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.38	
			<i>For &gt;1,000, Deduct</i>	-6.47	
21 13 13 00-0253	EA		Specialty Coverplate For Concealed Sidewall Sprinkler Head.....	21.40	3.27
			<i>For &gt;25 To 50, Deduct</i>	-0.27	
			<i>For &gt;50 To 100, Deduct</i>	-1.34	
			<i>For &gt;100 To 500, Deduct</i>	-2.81	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.78	
			<i>For &gt;1,000, Deduct</i>	-5.87	
21 13 13 00-0254	EA		White Coverplate For Quick Release Concealed Sidewall Sprinkler Head.....	36.33	3.84
			<i>For &gt;25 To 50, Deduct</i>	-0.32	
			<i>For &gt;50 To 100, Deduct</i>	-2.14	
			<i>For &gt;100 To 500, Deduct</i>	-4.70	
			<i>For &gt;500 To 1,000, Deduct</i>	-7.63	
			<i>For &gt;1,000, Deduct</i>	-8.91	
21 13 13 00-0255			<b>Sprinkler Escutcheon Extension Tube</b> <small>(21 13 13 00-0194)</small>		
21 13 13 00-0256	EA		2.18" Diameter x 4" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube.....	8.47	1.93
			Note: For use with 2 piece escutcheons		
			<i>For &gt;25 To 50, Deduct</i>	-0.16	
			<i>For &gt;50 To 100, Deduct</i>	-0.58	
			<i>For &gt;100 To 500, Deduct</i>	-1.14	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.07	
			<i>For &gt;1,000, Deduct</i>	-2.71	



<b>Fire Suppression</b>	<b>21</b>	<b>12</b>
<b>Water-Based Fire-Suppression Systems</b>	<b>21 10</b>	
<b>Fire-Suppression Sprinkler Systems</b>	<b>21 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0257 EA 2.18" Diameter x 6" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube ..... 10.96		2.02
Note: For use with 2 piece escutcheons		
For >25 To 50, Deduct	-0.17	
For >50 To 100, Deduct	-0.72	
For >100 To 500, Deduct	-1.45	
For >500 To 1,000, Deduct	-2.54	
For >1,000, Deduct	-3.22	
21 13 13 00-0258 EA 2.18" Diameter x 8" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube ..... 13.75		2.12
Note: For use with 2 piece escutcheons		
For >25 To 50, Deduct	-0.18	
For >50 To 100, Deduct	-0.86	
For >100 To 500, Deduct	-1.81	
For >500 To 1,000, Deduct	-3.07	
For >1,000, Deduct	-3.78	
21 13 13 00-0259 EA 2.18" Diameter x 10" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube ..... 16.25		2.21
Note: For use with 2 piece escutcheons		
For >25 To 50, Deduct	-0.18	
For >50 To 100, Deduct	-1.00	
For >100 To 500, Deduct	-2.12	
For >500 To 1,000, Deduct	-3.55	
For >1,000, Deduct	-4.29	
<b>21 13 13 00-0260 Sprinkler Head Guards</b> <small>(21 13 13 00-0194)</small>		
21 13 13 00-0261 EA Universal Sprinkler Head Guard, C-1 ..... 12.97		5.77
For >25 To 50, Deduct	-0.48	
For >50 To 100, Deduct	-1.13	
For >100 To 500, Deduct	-1.86	
For >500 To 1,000, Deduct	-3.97	
For >1,000, Deduct	-5.89	
21 13 13 00-0262 EA Dry Pendent Sprinkler Head Guard, C-2 ..... 14.26		5.77
For >25 To 50, Deduct	-0.48	
For >50 To 100, Deduct	-1.19	
For >100 To 500, Deduct	-2.02	
For >500 To 1,000, Deduct	-4.20	
For >1,000, Deduct	-6.13	
21 13 13 00-0263 EA Upright Sprinkler Head Guard With Water Shield, C-3 ..... 16.48		5.77
For >25 To 50, Deduct	-0.48	
For >50 To 100, Deduct	-1.31	
For >100 To 500, Deduct	-2.30	
For >500 To 1,000, Deduct	-4.60	
For >1,000, Deduct	-6.53	
21 13 13 00-0264 EA Pendent Sprinkler Head Guard With Water Shield, C-5 ..... 19.20		5.77
For >25 To 50, Deduct	-0.48	
For >50 To 100, Deduct	-1.44	
For >100 To 500, Deduct	-2.64	
For >500 To 1,000, Deduct	-5.09	
For >1,000, Deduct	-7.02	
21 13 13 00-0265 EA Universal Sprinkler Head Guard, D-1 ..... 14.21		5.77
For >25 To 50, Deduct	-0.48	
For >50 To 100, Deduct	-1.19	
For >100 To 500, Deduct	-2.02	
For >500 To 1,000, Deduct	-4.19	
For >1,000, Deduct	-6.12	
21 13 13 00-0266 EA Upright Sprinkler Head Guard With Water Shield, D-3 ..... 15.06		5.77
For >25 To 50, Deduct	-0.48	
For >50 To 100, Deduct	-1.23	
For >100 To 500, Deduct	-2.12	
For >500 To 1,000, Deduct	-4.35	
For >1,000, Deduct	-6.27	
21 13 13 00-0267 EA Pendent Sprinkler Head Guard With Large Water Shield, D-4 ..... 21.31		5.77
For >25 To 50, Deduct	-0.48	
For >50 To 100, Deduct	-1.55	
For >100 To 500, Deduct	-2.90	
For >500 To 1,000, Deduct	-5.47	
For >1,000, Deduct	-7.40	
21 13 13 00-0268 EA Pendent Sprinkler Head Guard With Small Water Shield, D-5..... 20.06		5.77
For >25 To 50, Deduct	-0.48	
For >50 To 100, Deduct	-1.48	
For >100 To 500, Deduct	-2.75	
For >500 To 1,000, Deduct	-5.25	
For >1,000, Deduct	-7.17	
<b>21 13 13 00-0269 Flexible Sprinkler Piping</b> <small>(21 13 13 00-0011)</small>		
Note: 1" Diameter stainless steel flexible pipe with either 1/2" or 3/4" outlet.		
21 13 13 00-0270 EA 2' Long Stainless Steel Flexible Sprinkler Piping ..... 43.31		9.93
Note: Includes ceiling mounting bracket.		
For >25 To 50, Deduct	-1.00	
For >50 To 100, Deduct	-3.17	
For >100 To 500, Deduct	-5.91	
For >500 To 1,000, Deduct	-11.20	
For >1,000, Deduct	-15.21	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0271	EA		3' Long Stainless Steel Flexible Sprinkler Piping ..... Note: Includes ceiling mounting bracket.	47.91	10.25
			<i>For &gt;25 To 50, Deduct</i>	-1.05	
			<i>For &gt;50 To 100, Deduct</i>	-3.45	
			<i>For &gt;100 To 500, Deduct</i>	-6.52	
			<i>For &gt;500 To 1,000, Deduct</i>	-12.21	
			<i>For &gt;1,000, Deduct</i>	-16.42	
21 13 13 00-0272	EA		4' Long Stainless Steel Flexible Sprinkler Piping ..... Note: Includes ceiling mounting bracket.	52.61	10.90
			<i>For &gt;25 To 50, Deduct</i>	-1.11	
			<i>For &gt;50 To 100, Deduct</i>	-3.74	
			<i>For &gt;100 To 500, Deduct</i>	-7.13	
			<i>For &gt;500 To 1,000, Deduct</i>	-13.25	
			<i>For &gt;1,000, Deduct</i>	-17.70	
21 13 13 00-0273	EA		5' Long Stainless Steel Flexible Sprinkler Piping ..... Note: Includes ceiling mounting bracket.	57.46	11.53
			<i>For &gt;25 To 50, Deduct</i>	-1.18	
			<i>For &gt;50 To 100, Deduct</i>	-4.05	
			<i>For &gt;100 To 500, Deduct</i>	-7.77	
			<i>For &gt;500 To 1,000, Deduct</i>	-14.35	
			<i>For &gt;1,000, Deduct</i>	-19.06	
21 13 13 00-0274	EA		6' Long Stainless Steel Flexible Sprinkler Piping ..... Note: Includes ceiling mounting bracket.	62.48	12.82
			<i>For &gt;25 To 50, Deduct</i>	-1.25	
			<i>For &gt;50 To 100, Deduct</i>	-4.38	
			<i>For &gt;100 To 500, Deduct</i>	-8.44	
			<i>For &gt;500 To 1,000, Deduct</i>	-15.50	
			<i>For &gt;1,000, Deduct</i>	-20.51	
<b>21 13 13 00-0275</b>			<b>Sprinkler Emergency Cabinets</b> (21 13 13 00-0011)		
21 13 13 00-0276	EA		3 Capacity Emergency Sprinkler Cabinet, A4 .....	59.09	
21 13 13 00-0277	EA		6 Capacity Emergency Sprinkler Cabinet, A4 .....	62.29	
21 13 13 00-0278	EA		12 Capacity Emergency Sprinkler Cabinet, A4 .....	56.89	
21 13 13 00-0279	EA		12 Capacity Emergency Sprinkler Cabinet, A3 .....	194.32	
21 13 13 00-0280	EA		Sprinkler Wrench, RC1 .....	89.42	
21 13 13 00-0281	EA		Sprinkler Wrench, FC .....	80.98	
21 13 13 00-0282	EA		Sprinkler Wrench, W2 .....	29.58	
<b>21 13 16</b>			<b>Dry-Pipe Sprinkler Systems</b> (21 13)		
<b>21 13 16 00-0001</b>			<b>Complete Dry-Pipe Sprinkler Systems</b> (21 13 16)		
			Note: Includes complete design per NFPA 13 and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components.		
<b>21 13 16 00-0002</b>			<b>Light Hazard, Dry-Pipe Sprinkler Systems</b> (21 13 16 00-0001)		
21 13 16 00-0003	EA		Exposed Piping, Light Hazard, Dry-Pipe Sprinkler System, Per Head .....	308.72	
			Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			<i>For Up To 5, Add</i>	141.49	
			<i>For &gt;5 To 10, Add</i>	75.87	
			<i>For &gt;10 To 20, Add</i>	57.87	
			<i>For &gt;20 To 40, Add</i>	24.44	
			<i>For &gt;100 To 150, Deduct</i>	-30.87	
			<i>For &gt;150, Deduct</i>	-61.74	
			<i>For Copper Pipe, Add</i>	37.31	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-52.75	
21 13 16 00-0004	EA		Concealed Piping, Light Hazard, Dry-Pipe Sprinkler System, Per Head .....	384.41	
			Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
			<i>For Up To 5, Add</i>	178.18	
			<i>For &gt;5 To 10, Add</i>	99.48	
			<i>For &gt;10 To 20, Add</i>	75.06	
			<i>For &gt;20 To 40, Add</i>	31.43	
			<i>For &gt;100 To 150, Deduct</i>	-38.44	
			<i>For &gt;150, Deduct</i>	-76.88	
			<i>For Copper Pipe, Add</i>	45.45	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-64.68	
<b>21 13 16 00-0005</b>			<b>Ordinary Hazard, Dry-Pipe Sprinkler Systems</b> (21 13 16 00-0001)		
21 13 16 00-0006	EA		Exposed Piping, Ordinary Hazard, Dry-Pipe Sprinkler System, Per Head .....	314.01	
			Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			<i>For Up To 5, Add</i>	143.38	
			<i>For &gt;5 To 10, Add</i>	75.84	
			<i>For &gt;10 To 20, Add</i>	58.06	
			<i>For &gt;20 To 40, Add</i>	24.59	
			<i>For &gt;100 To 150, Deduct</i>	-31.40	
			<i>For &gt;150, Deduct</i>	-62.80	
			<i>For Copper Pipe, Add</i>	38.21	
			<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-53.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0007 EA Concealed Piping, Ordinary Hazard, Dry-Pipe Sprinkler System, Per Head .....387.69 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon. For Up To 5, Add 179.20 For >5 To 10, Add 99.07 For >10 To 20, Add 74.95 For >20 To 40, Add 31.44 For >100 To 150, Deduct -38.77 For >150, Deduct -77.54 For Copper Pipe, Add 46.09 For Polyvinyl Chloride (PVC) Pipe, Deduct -65.48		
<b>21 13 16 00-0008 Extra Hazard, Dry-Pipe Sprinkler Systems (21 13 16 00-0001)</b>		
21 13 16 00-0009 EA Exposed Piping, Extra Hazard, Dry-Pipe Sprinkler System, Per Head .....294.74 Note: Includes branch pipe and fittings, supports and sprinkler heads. For Up To 5, Add 134.46 For >5 To 10, Add 70.88 For >10 To 20, Add 54.32 For >20 To 40, Add 23.02 For >100 To 150, Deduct -29.47 For >150, Deduct -58.95 For Copper Pipe, Add 35.93 For Polyvinyl Chloride (PVC) Pipe, Deduct -50.67		
21 13 16 00-0010 EA Concealed Piping, Extra Hazard, Dry-Pipe Sprinkler System, Per Head .....360.89 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon. For Up To 5, Add 166.82 For >5 To 10, Add 92.25 For >10 To 20, Add 69.79 For >20 To 40, Add 29.28 For >100 To 150, Deduct -36.09 For >150, Deduct -72.18 For Copper Pipe, Add 42.90 For Polyvinyl Chloride (PVC) Pipe, Deduct -60.95		
<b>21 13 16 00-0011 Dry-Pipe Sprinkler System Equipment (21 13 16 00-0001)</b>		
21 13 16 00-0012 EA Dry System Air Compressor, 3/4 HP With Alarm Valve Flange With Gauge .....1,837.43		189.66
21 13 16 00-0013 EA Dry System Air Compressor, 1 HP With Alarm Valve Flange With Gauge .....1,924.48		189.66
21 13 16 00-0014 EA Dry System Air Compressor, 1-1/2 HP With Alarm Valve Flange With Gauge .....1,997.93		189.66
21 13 16 00-0015 EA Dry System Air Compressor, 2 HP With Alarm Valve Flange With Gauge .....2,283.57		189.66
<b>21 13 16 00-0016 Dry-Pipe Sprinkler System Components (21 13 16)</b>		
Note: Excludes hydraulic calculations.		
<b>21 13 16 00-0017 Dry Pipe Alarm Valves (21 13 16 00-0016)</b>		
21 13 16 00-0018 EA 2" Dry Pipe Alarm Valve .....1,126.48		465.98
21 13 16 00-0019 EA 3" Dry Pipe Alarm Valve .....1,507.64		636.10
21 13 16 00-0020 EA 4" Dry Pipe Alarm Valve .....2,784.84		890.55
21 13 16 00-0021 EA 6" Dry Pipe Alarm Valve .....3,613.95		1,052.22
21 13 16 00-0022 EA 8" Dry Pipe Alarm Valve .....4,542.94		1,157.44
<b>21 13 16 00-0023 Recessed Pendent Dry Pipe Sprinkler Heads, Quick Response (21 13 16 00-0016)</b>		
21 13 16 00-0024 EA 3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head .....127.07 For >25 To 50, Deduct -1.92 For >50 To 100, Deduct -8.28 For >100 To 500, Deduct -16.85 For >500 To 1,000, Deduct -29.41 For >1,000, Deduct -37.10		12.70
21 13 16 00-0025 EA 6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head .....132.18 For >25 To 50, Deduct -1.92 For >50 To 100, Deduct -8.53 For >100 To 500, Deduct -17.48 For >500 To 1,000, Deduct -30.33 For >1,000, Deduct -38.02		12.70
21 13 16 00-0026 EA 9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head .....137.28 For >25 To 50, Deduct -1.92 For >50 To 100, Deduct -8.79 For >100 To 500, Deduct -18.12 For >500 To 1,000, Deduct -31.25 For >1,000, Deduct -38.94		12.70
21 13 16 00-0027 EA 12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head .....142.40 For >25 To 50, Deduct -1.92 For >50 To 100, Deduct -9.04 For >100 To 500, Deduct -18.76 For >500 To 1,000, Deduct -32.17 For >1,000, Deduct -39.86		12.70
21 13 16 00-0028 EA 15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head .....147.51 For >25 To 50, Deduct -1.92 For >50 To 100, Deduct -9.30 For >100 To 500, Deduct -19.40 For >500 To 1,000, Deduct -33.09 For >1,000, Deduct -40.78		12.70

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0029	EA		18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	152.62	12.70
			<i>For &gt;25 To 50, Deduct</i>	-1.92	
			<i>For &gt;50 To 100, Deduct</i>	-9.55	
			<i>For &gt;100 To 500, Deduct</i>	-20.04	
			<i>For &gt;500 To 1,000, Deduct</i>	-34.01	
			<i>For &gt;1,000, Deduct</i>	-41.70	
21 13 16 00-0030	EA		21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	157.72	12.70
			<i>For &gt;25 To 50, Deduct</i>	-1.92	
			<i>For &gt;50 To 100, Deduct</i>	-9.81	
			<i>For &gt;100 To 500, Deduct</i>	-20.68	
			<i>For &gt;500 To 1,000, Deduct</i>	-34.93	
			<i>For &gt;1,000, Deduct</i>	-42.62	
21 13 16 00-0031	EA		24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	162.84	12.70
			<i>For &gt;25 To 50, Deduct</i>	-1.92	
			<i>For &gt;50 To 100, Deduct</i>	-10.07	
			<i>For &gt;100 To 500, Deduct</i>	-21.32	
			<i>For &gt;500 To 1,000, Deduct</i>	-35.85	
			<i>For &gt;1,000, Deduct</i>	-43.54	
21 13 16 00-0032	EA		27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	167.94	12.70
			<i>For &gt;25 To 50, Deduct</i>	-1.92	
			<i>For &gt;50 To 100, Deduct</i>	-10.32	
			<i>For &gt;100 To 500, Deduct</i>	-21.95	
			<i>For &gt;500 To 1,000, Deduct</i>	-36.77	
			<i>For &gt;1,000, Deduct</i>	-44.46	
21 13 16 00-0033	EA		30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	173.05	12.70
			<i>For &gt;25 To 50, Deduct</i>	-1.92	
			<i>For &gt;50 To 100, Deduct</i>	-10.58	
			<i>For &gt;100 To 500, Deduct</i>	-22.59	
			<i>For &gt;500 To 1,000, Deduct</i>	-37.69	
			<i>For &gt;1,000, Deduct</i>	-45.38	
21 13 16 00-0034	EA		33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	178.17	12.70
			<i>For &gt;25 To 50, Deduct</i>	-1.92	
			<i>For &gt;50 To 100, Deduct</i>	-10.83	
			<i>For &gt;100 To 500, Deduct</i>	-23.23	
			<i>For &gt;500 To 1,000, Deduct</i>	-38.61	
			<i>For &gt;1,000, Deduct</i>	-46.30	
21 13 16 00-0035	EA		36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	183.27	12.70
			<i>For &gt;25 To 50, Deduct</i>	-1.92	
			<i>For &gt;50 To 100, Deduct</i>	-11.09	
			<i>For &gt;100 To 500, Deduct</i>	-23.87	
			<i>For &gt;500 To 1,000, Deduct</i>	-39.53	
			<i>For &gt;1,000, Deduct</i>	-47.22	
21 13 16 00-0036	EA		39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	188.39	12.70
			<i>For &gt;25 To 50, Deduct</i>	-1.92	
			<i>For &gt;50 To 100, Deduct</i>	-11.34	
			<i>For &gt;100 To 500, Deduct</i>	-24.51	
			<i>For &gt;500 To 1,000, Deduct</i>	-40.45	
			<i>For &gt;1,000, Deduct</i>	-48.14	
21 13 16 00-0037	EA		42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	193.49	12.70
			<i>For &gt;25 To 50, Deduct</i>	-1.92	
			<i>For &gt;50 To 100, Deduct</i>	-11.60	
			<i>For &gt;100 To 500, Deduct</i>	-25.15	
			<i>For &gt;500 To 1,000, Deduct</i>	-41.37	
			<i>For &gt;1,000, Deduct</i>	-49.06	
21 13 16 00-0038	EA		45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	198.60	12.70
			<i>For &gt;25 To 50, Deduct</i>	-1.92	
			<i>For &gt;50 To 100, Deduct</i>	-11.85	
			<i>For &gt;100 To 500, Deduct</i>	-25.79	
			<i>For &gt;500 To 1,000, Deduct</i>	-42.29	
			<i>For &gt;1,000, Deduct</i>	-49.98	
21 13 16 00-0039			<b>Sidewall Dry Pipe Sprinkler Heads, Quick Response</b> (21 13 16 00-0016)		
21 13 16 00-0040	EA		3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head .....	125.84	12.70
			<i>For &gt;25 To 50, Deduct</i>	-1.92	
			<i>For &gt;50 To 100, Deduct</i>	-8.22	
			<i>For &gt;100 To 500, Deduct</i>	-16.69	
			<i>For &gt;500 To 1,000, Deduct</i>	-29.19	
			<i>For &gt;1,000, Deduct</i>	-36.88	
21 13 16 00-0041	EA		6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head .....	130.96	12.70
			<i>For &gt;25 To 50, Deduct</i>	-1.92	
			<i>For &gt;50 To 100, Deduct</i>	-8.47	
			<i>For &gt;100 To 500, Deduct</i>	-17.33	
			<i>For &gt;500 To 1,000, Deduct</i>	-30.11	
			<i>For &gt;1,000, Deduct</i>	-37.80	
21 13 16 00-0042	EA		9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head .....	136.08	12.70
			<i>For &gt;25 To 50, Deduct</i>	-1.92	
			<i>For &gt;50 To 100, Deduct</i>	-8.73	
			<i>For &gt;100 To 500, Deduct</i>	-17.97	
			<i>For &gt;500 To 1,000, Deduct</i>	-31.03	
			<i>For &gt;1,000, Deduct</i>	-38.72	



<b>Fire Suppression</b>	<b>21</b>	
<b>Water-Based Fire-Suppression Systems</b>	<b>21 10</b>	<b>12</b>
<b>Fire-Suppression Sprinkler Systems</b>	<b>21 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0043 EA 12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	141.17 -1.92 -8.98 -18.61 -31.95 -39.64	12.70
21 13 16 00-0044 EA 15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	146.28 -1.92 -9.24 -19.25 -32.87 -40.56	12.70
21 13 16 00-0045 EA 18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	151.38 -1.92 -9.49 -19.88 -33.79 -41.48	12.70
21 13 16 00-0046 EA 21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	156.51 -1.92 -9.75 -20.53 -34.71 -42.40	12.70
21 13 16 00-0047 EA 24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	161.62 -1.92 -10.00 -21.16 -35.63 -43.32	12.70
21 13 16 00-0048 EA 27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	166.71 -1.92 -10.26 -21.80 -36.55 -44.24	12.70
21 13 16 00-0049 EA 30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	171.82 -1.92 -10.51 -22.44 -37.47 -45.16	12.70
21 13 16 00-0050 EA 33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	176.94 -1.92 -10.77 -23.08 -38.39 -46.08	12.70
21 13 16 00-0051 EA 36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	182.04 -1.92 -11.03 -23.72 -39.31 -47.00	12.70
21 13 16 00-0052 EA 39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	197.38 -1.92 -11.79 -25.63 -42.07 -49.76	12.70
21 13 16 00-0053 EA 42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	202.49 -1.92 -12.05 -26.27 -42.99 -50.68	12.70
21 13 16 00-0054 EA 45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	204.53 -1.92 -12.15 -26.53 -43.35 -51.05	12.70

**21 13 19 Preaction Sprinkler Systems (21 13)**

**21 13 19 00-0001 Complete Preaction Sprinkler Systems (21 13 19)**

Note: Includes complete design per NFPA 13 and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks.

**21 13 19 00-0002 Ordinary Hazard, Preaction Sprinkler Systems (21 13 19 00-0001)**



**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 19 00-0003	EA		Exposed Piping, Ordinary Hazard, Preaction Sprinkler System, Per Head.....	295.01	
			Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			For Up To 5, Add	135.78	
			For >5 To 10, Add	85.66	
			For >10 To 20, Add	56.16	
			For >20 To 40, Add	23.64	
			For >100 To 150, Deduct	-29.50	
			For >150, Deduct	-59.00	
21 13 19 00-0004			<b>Extra Hazard, Preaction Sprinkler Systems</b> (21 13 19 00-0001)		
21 13 19 00-0005	EA		Exposed Piping, Extra Hazard, Preaction Sprinkler System, Per Head.....	274.65	
			Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			For Up To 5, Add	126.42	
			For >5 To 10, Add	79.77	
			For >10 To 20, Add	52.31	
			For >20 To 40, Add	22.01	
			For >100 To 150, Deduct	-27.47	
			For >150, Deduct	-54.93	
21 13 26			<b>Deluge Fire-Suppression Sprinkler Systems</b> (21 13)		
21 13 26 00-0001			<b>Deluge Fire-Suppression Sprinkler Systems Equipment</b> (21 13 26)		
21 13 26 00-0002			<b>Deluge Valves With Required Trim And Release Equipment</b> (21 13 26 00-0001)		
21 13 26 00-0003	EA		3" Deluge Valve With Trim And Release Equipment .....	3,900.39	356.12
21 13 26 00-0004	EA		4" Deluge Valve With Trim And Release Equipment .....	4,471.65	400.60
21 13 26 00-0005	EA		6" Deluge Valve With Trim And Release Equipment .....	5,552.75	582.70
21 13 39			<b>Foam-Water Systems</b> (21 13)		
21 13 39 00-0001			<b>Foam Control Valves And Monitors</b> (21 13 39)		
21 13 39 00-0002			<b>Control Valves</b> (21 13 39 00-0001)		
21 13 39 00-0003	EA		3" Foam Control Valve.....	1,868.96	356.12
21 13 39 00-0004			<b>Supply Valves</b> (21 13 39 00-0001)		
21 13 39 00-0005	EA		2-1/2" Foam Supply Valve .....	1,700.93	400.60
21 13 39 00-0006			<b>Proportioners</b> (21 13 39 00-0001)		
21 13 39 00-0007	EA		8" Foam Proportioner.....	1,453.02	582.70
21 13 39 00-0008			<b>Monitors</b> (21 13 39 00-0001)		
21 13 39 00-0009	EA		Oscillating Foam Monitor .....	1,883.15	80.12
21 13 41			<b>Fire-Suppression Sprinkler Piping</b> (21 13)		
			See CSI section 23 21 13 23-0000 for black steel piping.		
21 13 41 00-0001			<b>Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe</b> (21 13 41)		
			Note: SDR 13.5		
21 13 41 00-0002			<b>Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe</b> (21 13 41 00-0001)		
21 13 41 00-0003	LF		3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe .....	3.68	1.03
21 13 41 00-0004	LF		1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe .....	4.47	1.09
21 13 41 00-0005	LF		1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe .....	5.72	1.22
21 13 41 00-0006	LF		1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe .....	7.07	1.34
21 13 41 00-0007	LF		2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe .....	9.20	1.47
21 13 41 00-0008	LF		2-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe .....	12.78	1.67
21 13 41 00-0009	LF		3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe .....	18.03	1.99
21 13 41 00-0010			<b>Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows, Fire Sprinkler Piping</b> (21 13 41 00-0001)		
21 13 41 00-0011	EA		3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping .....	16.84	6.16
21 13 41 00-0012	EA		1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping .....	22.46	7.69
21 13 41 00-0013	EA		1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping .....	28.11	9.62
21 13 41 00-0014	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping .....	32.33	10.64
21 13 41 00-0015	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping .....	36.81	11.92
21 13 41 00-0016	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping .....	47.43	13.52
21 13 41 00-0017	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping .....	58.47	16.03
21 13 41 00-0018			<b>Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows, Fire Sprinkler Piping</b> (21 13 41 00-0001)		
21 13 41 00-0019	EA		3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping .....	17.35	6.16
21 13 41 00-0020	EA		1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping .....	21.64	7.69



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0021 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping .....	27.49	9.62
21 13 41 00-0022 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping .....	31.34	10.64
21 13 41 00-0023 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping .....	35.57	11.92
21 13 41 00-0024 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping .....	44.31	13.52
21 13 41 00-0025 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping .....	55.04	16.03
<b>21 13 41 00-0026 Chlorinated Polyvinyl Chloride (CPVC) Tees, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small></b>		
21 13 41 00-0027 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping .....	25.05	9.23
21 13 41 00-0028 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping .....	32.87	11.61
21 13 41 00-0029 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping .....	42.03	14.48
21 13 41 00-0030 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping .....	48.63	16.03
21 13 41 00-0031 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping .....	57.42	17.82
21 13 41 00-0032 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping .....	71.57	20.31
21 13 41 00-0033 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping .....	84.55	23.97
<b>21 13 41 00-0034 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small></b>		
21 13 41 00-0035 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping .....	30.31	10.83
21 13 41 00-0036 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping .....	39.81	13.52
21 13 41 00-0037 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping .....	44.69	14.94
21 13 41 00-0038 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping .....	53.44	16.66
21 13 41 00-0039 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping .....	63.55	18.97
21 13 41 00-0040 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping .....	74.70	22.37
<b>21 13 41 00-0041 Chlorinated Polyvinyl Chloride (CPVC) Crosses, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small></b>		
21 13 41 00-0042 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping .....	33.89	12.31
21 13 41 00-0043 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping .....	42.49	15.45
21 13 41 00-0044 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping .....	53.61	19.29
21 13 41 00-0045 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping .....	60.71	21.34
21 13 41 00-0046 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping .....	71.65	23.78
21 13 41 00-0047 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping .....	94.21	27.04
<b>21 13 41 00-0048 Chlorinated Polyvinyl Chloride (CPVC) Couplings, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small></b>		
21 13 41 00-0049 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping .....	11.65	4.10
21 13 41 00-0050 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping .....	15.60	5.51
21 13 41 00-0051 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping .....	20.73	7.25
21 13 41 00-0052 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping .....	23.79	8.01
21 13 41 00-0053 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping .....	27.44	8.91
21 13 41 00-0054 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping .....	33.24	10.13
21 13 41 00-0055 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping .....	40.26	11.99
<b>21 13 41 00-0056 Chlorinated Polyvinyl Chloride (CPVC) Caps, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small></b>		
21 13 41 00-0057 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping .....	5.97	2.05
21 13 41 00-0058 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping .....	9.46	3.33
21 13 41 00-0059 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping .....	10.97	3.59
21 13 41 00-0060 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping .....	12.66	3.98
21 13 41 00-0061 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping .....	15.16	4.49
21 13 41 00-0062 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping .....	18.48	5.07
21 13 41 00-0063 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping .....	24.37	6.02
<b>21 13 41 00-0064 Chlorinated Polyvinyl Chloride (CPVC) Reducer Bushing, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small></b>		
21 13 41 00-0065 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping .....	16.28	6.09
21 13 41 00-0066 EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping .....	21.64	7.95
21 13 41 00-0067 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping .....	23.92	8.78
21 13 41 00-0068 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping .....	27.36	9.81
21 13 41 00-0069 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping .....	32.77	11.15
21 13 41 00-0070 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping .....	40.30	13.20
<b>21 13 41 00-0071 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip x Female Pipe Thread, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small></b>		
21 13 41 00-0072 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping .....	14.92	4.49
21 13 41 00-0073 EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping .....	19.04	6.09
<b>21 13 41 00-0074 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small></b>		
21 13 41 00-0075 EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....	14.92	4.49

<b>21</b>	<b>21</b>	<b>Fire Suppression</b>
	<b>21 10</b>	<b>Water-Based Fire-Suppression Systems</b>
	<b>21 13</b>	<b>Fire-Suppression Sprinkler Systems</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0076	EA		1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....	19.04	6.09
<b>21 13 41 00-0077</b>			<b>Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping</b> <small>(21 13 41 00-0001)</small>		
21 13 41 00-0078	EA		3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....	17.24	5.51
21 13 41 00-0079	EA		1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....	22.11	6.92
21 13 41 00-0080	EA		1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 3/4" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....	23.15	6.92
<b>21 13 41 00-0081</b>			<b>Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping</b> <small>(21 13 41 00-0001)</small>		
21 13 41 00-0082	EA		3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....	28.22	9.23
21 13 41 00-0083	EA		1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....	34.53	11.61
21 13 41 00-0084	EA		1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....	45.41	14.48
21 13 41 00-0085	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....	52.22	16.03
21 13 41 00-0086	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....	61.79	17.82

## 21 20 Fire-Extinguishing Systems (21)

### 21 21 Carbon-Dioxide Fire-Extinguishing Systems (21 20)

#### 21 21 16 Carbon-Dioxide Fire-Extinguishing Equipment (21 21)

##### 21 21 16 00-0001 Carbon Dioxide Cylinders (21 21 16)

21 21 16 00-0002	EA	Carbon Dioxide Simplex Cylinder, 75 LB.....	1,342.54	143.41
21 21 16 00-0003	EA	Carbon Dioxide Duplex Cylinder, 75 LB (Each).....	2,685.07	286.83
21 21 16 00-0004	EA	Carbon Dioxide Cylinder, Heat/Ion Detector, With Bracket.....	201.07	77.92
21 21 16 00-0005	EA	Carbon Dioxide Cylinder, Dispersion Nozzle.....	88.77	26.90
21 21 16 00-0006	LF	Carbon Dioxide Cylinder, 1/2" Rubber Tubing.....	23.13	10.91

### 21 22 Clean-Agent Fire-Extinguishing Systems (21 20)

#### 21 22 16 Clean-Agent Fire-Extinguishing Equipment (21 22)

##### 21 22 16 00-0001 Ansul Fire Control Systems (21 22 16)

##### 21 22 16 00-0002 Sapphire® Fire Suppression Systems (21 22 16 00-0001)

Note: ANSUL® SAPPHERE® fire suppression systems use 3M™ Novec™ 1230 fire protection fluid for total flooding applications.

##### 21 22 16 00-0003 Cylinders, Sapphire® Fire Suppression Systems (21 22 16 00-0002)

21 22 16 00-0004	EA	20 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570635).....	1,144.66	48.90
		Note: 10 to 21 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0005	EA	40 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570636).....	1,307.87	48.90
		Note: 20 to 46 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0006	EA	80 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570637).....	1,329.33	48.90
		Note: 41 to 80 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0007	EA	140 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570638).....	1,888.64	65.19
		Note: 58 to 138 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0008	EA	280 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570639).....	1,996.53	65.19
		Note: 116 to 280 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0009	EA	390 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570640).....	2,129.36	81.49
		Note: 161 to 388 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0010	EA	450 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570641).....	2,260.91	81.49
		Note: 194 to 459 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0011	EA	850 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570586).....	3,420.44	97.78
		Note: 375 to 851 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0012	LB	Sapphire Agent, Fire Protection Fluid, Factory Filled (Novec 1230) .....	29.15	97.78
		Note: Add to empty tank cost.		

##### 21 22 16 00-0013 Nozzles, Sapphire® Fire Suppression Systems (21 22 16 00-0002)

21 22 16 00-0014	EA	1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570515).....	108.18	8.15
21 22 16 00-0015	EA	3/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570516).....	110.96	8.15
21 22 16 00-0016	EA	1" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570517).....	117.93	8.15
21 22 16 00-0017	EA	1-1/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570518) .....	122.80	8.15
21 22 16 00-0018	EA	1-1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570519) .....	129.76	8.15
21 22 16 00-0019	EA	2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570520).....	150.63	8.15
21 22 16 00-0020	EA	1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570602).....	108.18	8.15
21 22 16 00-0021	EA	3/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570603).....	110.96	8.15



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0022 EA 1" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570604) .....	117.93	8.15
21 22 16 00-0023 EA 1-1/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570605) .....	122.80	8.15
21 22 16 00-0024 EA 1-1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570606) .....	129.76	8.15
21 22 16 00-0025 EA 2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570607) .....	150.63	8.15
<b>21 22 16 00-0026 Actuation Attachments, Sapphire® Fire Suppression System (21 22 16 00-0002)</b>		
21 22 16 00-0027 EA 7/16-20 To 1/4" NPT, Male Actuation Elbow, Sapphire® Fire Suppression System (Ansul 31810).....	9.19	2.44
21 22 16 00-0028 EA 7/16-20 To 1/4" NPT, Male Actuation Tee, Sapphire® Fire Suppression System (Ansul 31811) .....	10.38	2.44
21 22 16 00-0029 EA 1/4" NPT To 7/16-20, Male Actuation Connector, Sapphire® Fire Suppression System (Ansul 32338).....	13.36	5.71
21 22 16 00-0030 EA 16" Actuation Hose, Sapphire® Fire Suppression System (Ansul 73597) .....	33.51	7.30
21 22 16 00-0031 EA 32" Actuation Hose, Sapphire® Fire Suppression System (Ansul 415142) .....	50.79	7.30
21 22 16 00-0032 EA 42" Actuation Hose, Sapphire® Fire Suppression System (Ansul 430815) .....	61.81	7.30
21 22 16 00-0033 EA 24", Stainless Steel, Swivel, Braided Actuation Hose, Sapphire® Fire Suppression System (Ansul 32336).....	29.53	7.30
21 22 16 00-0034 EA Pneumatic Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537) .....	200.68	65.19
21 22 16 00-0035 EA Local Manual Actuator, Sapphire® Fire Suppression System (Ansul 570549) .....	198.01	48.90
21 22 16 00-0036 EA Electric Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537) .....	459.62	65.19
<b>21 22 16 00-0037 Nameplates, Sapphire® Fire Suppression Systems (21 22 16 00-0002)</b>		
21 22 16 00-0038 EA Warning Plate For Use Outside Room, Sapphire® Fire Suppression Systems (Ansul 570580).....	33.00	8.15
21 22 16 00-0039 EA Warning Plate for Use Inside Room, Sapphire® Fire Suppression Systems (Ansul 570581).....	36.15	8.15
<b>21 22 16 00-0040 Cylinder Bracketing, Sapphire® Fire Suppression Systems (21 22 16 00-0002)</b>		
21 22 16 00-0041 EA Tank Bracket Assembly For 20 LB, 40 LB, 50 LB, 80 LB And 90 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085) .....	101.80	24.44
21 22 16 00-0042 EA Tank Bracket Assembly For 140 LB, 280 LB, 390 LB And 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085) .....	108.07	24.44
21 22 16 00-0043 EA Tank Bracket Assembly For 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570336).....	116.07	24.44
<b>21 22 16 00-0044 Check Valves, Sapphire® Fire Suppression Systems (21 22 16 00-0002)</b>		
21 22 16 00-0045 EA 1" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570566).....	290.70	25.95
21 22 16 00-0046 EA 2" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570568).....	406.67	44.52
<b>21 22 16 00-0047 Discharge Hose, Sapphire® Fire Suppression Systems (21 22 16 00-0002)</b>		
21 22 16 00-0048 EA 1" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570539).....	87.58	16.30
21 22 16 00-0049 EA 2" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570538).....	343.74	16.30
21 22 16 00-0050 EA 3" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 69990).....	288.74	16.30
21 22 16 00-0051 EA 3" Discharge Hose And Check Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 69841) .....	1,263.58	65.19
<b>21 22 16 00-0052 Swivel Adaptors, Sapphire® Fire Suppression Systems (21 22 16 00-0002)</b>		
21 22 16 00-0053 EA 1" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570557).....	30.64	11.40
21 22 16 00-0054 EA 2" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570558).....	56.67	11.40
21 22 16 00-0055 EA 3" Flare To 3" Grooved, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69471) .....	162.47	8.15
21 22 16 00-0056 EA 3" Flare To 3" NPT, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69470).....	209.15	8.15
<b>21 22 16 00-0057 Pressure Switches, Sapphire® Fire Suppression Systems (21 22 16 00-0002)</b>		
21 22 16 00-0058 EA Cylinder Low Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 570585) .....	111.48	32.59
21 22 16 00-0059 EA Pressure Trip, Sapphire® Fire Suppression Systems (Ansul 5156) .....	118.57	13.69
21 22 16 00-0060 EA Weather Proof, DPST Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 46250) .....	359.79	57.04
<b>21 22 16 00-0061 Level Indicators, Sapphire® Fire Suppression Systems (21 22 16 00-0002)</b>		
21 22 16 00-0062 EA Liquid Level Indicator For 280 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570277).....	439.06	11.40
21 22 16 00-0063 EA Liquid Level Indicator For 390 LB And 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570278).....	459.95	11.40
21 22 16 00-0064 EA Liquid Level Indicator For 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570589).....	491.29	16.30
<b>21 22 16 00-0065 Inspection/Maintenance Devices, Sapphire® Fire Suppression Systems (21 22 16 00-0002)</b>		
21 22 16 00-0066 EA Master Tank Pilot Port Male Adaptor, Sapphire® Fire Suppression Systems (Ansul 570342) .....	30.69	9.78
21 22 16 00-0067 EA Cylinder Valve Pressure Gauge, Sapphire® Fire Suppression Systems (Ansul 570642).....	38.76	11.40
21 22 16 00-0068 EA Recharge Top Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570579) .....	125.76	48.90
21 22 16 00-0069 EA 1" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570576) .....	149.64	48.90
21 22 16 00-0070 EA 2" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570592) .....	169.47	48.90
21 22 16 00-0071 EA 3" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 69891) .....	233.51	48.90
<b>21 22 16 00-0072 Replacement Parts, Sapphire® Fire Suppression Systems (21 22 16 00-0002)</b>		
21 22 16 00-0073 EA O-Ring Kit, Sapphire® Fire Suppression Systems (Ansul 570559) .....	36.09	13.04
21 22 16 00-0074 EA Recoil Cap, Sapphire® Fire Suppression Systems (Ansul 570553) .....	63.98	8.15
21 22 16 00-0075 EA Burst Disc Assembly, Sapphire® Fire Suppression Systems (Ansul 570053) .....	84.46	16.30
21 22 16 00-0076 EA Bonnet Assembly, Sapphire® Fire Suppression Systems (Ansul 570543) .....	215.30	65.19
21 22 16 00-0077 EA Piston Assembly, Sapphire® Fire Suppression Systems (Ansul 570551) .....	337.11	65.19

<b>21</b>	<b>Fire Suppression</b>
<b>21 20</b>	<b>Fire-Extinguishing Systems</b>
<b>21 22</b>	<b>Clean-Agent Fire-Extinguishing Systems</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0078 EA 1" Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570535) .....	1,191.18	65.19
<b>21 22 16 00-0079 Inergen® Fire Suppression System (21 22 16 00-0001)</b>		
<b>21 22 16 00-0080 Actuation Attachments, Inergen® Fire Suppression System (21 22 16 00-0079)</b>		
21 22 16 00-0081 EA Flexible Discharge Bend For CV90 And CV98 (200 Bar), Inergen® Fire Suppression System (Ansul 427082).....	125.74	16.58
21 22 16 00-0082 EA Metron Protractor Replacement Cartridges, Inergen® Fire Suppression System (Ansul 423958).....	146.58	17.81
21 22 16 00-0083 EA Electric Actuator, Lever, CV98, Inergen® Fire Suppression System (Ansul 423309).....	262.20	32.25
21 22 16 00-0084 EA Electric Actuator For CV90 Valve, Inergen® Fire Suppression System (Ansul 426876).....	524.88	73.44
<b>21 22 16 00-0085 Check Valves, Inergen® Fire Suppression System (21 22 16 00-0079)</b>		
21 22 16 00-0086 EA 2" Bronze Check Valve, Weld Neck Flange, Inergen® Fire Suppression System (Ansul 840794) .....	1,296.91	96.92
<b>21 22 16 00-0087 Components, Inergen® Fire Suppression System (21 22 16 00-0079)</b>		
21 22 16 00-0088 EA 1/2" Manifold Relief Valve, Inergen® Fire Suppression System (Ansul 418378) .....	37.31	5.08
21 22 16 00-0089 EA Pressure Operated Siren, Inergen® Fire Suppression System (Ansul 419700) .....	440.27	54.45
21 22 16 00-0090 EA 30 Second Pneumatic Time Delay, Inergen® Fire Suppression System (Ansul 54169).....	1,370.28	170.40
21 22 16 00-0091 EA 60 Second Time Delay, Inergen® Fire Suppression System (Ansul 426170).....	1,302.89	173.60
<b>21 22 16 00-0092 Cylinders, Inergen® Fire Suppression System (21 22 16 00-0079)</b>		
Note: Includes CV98 valve. Factory filled with Inergen agent.		
21 22 16 00-0093 EA 200 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426147) .....	1,138.82	155.95
21 22 16 00-0094 EA 250 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426148) .....	1,291.88	176.68
21 22 16 00-0095 EA 350 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426620) .....	1,855.30	228.97
21 22 16 00-0096 EA 435 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426150) .....	1,850.06	279.78
21 22 16 00-0097 EA 250 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426257).....	1,332.36	197.00
21 22 16 00-0098 EA 350 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426621).....	1,896.07	249.36
21 22 16 00-0099 EA 435 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426259).....	1,944.99	300.66
<b>21 22 16 00-0100 Inspection/Maintenance Devices, Inergen® Fire Suppression System (21 22 16 00-0079)</b>		
21 22 16 00-0101 EA CV90 Fill Adaptor To CV98 Valve, Conversion Adapter, Inergen® Fire Suppression System (Ansul 423657) .....	43.03	5.67
21 22 16 00-0102 EA CV98 To CV90 Conversion Adapter, Cylinder Test Gauge, Inergen® Fire Suppression System (Ansul 426181).....	43.03	5.67
21 22 16 00-0103 EA CV90 Pressure Test Assembly Venting Kit, Inergen® Fire Suppression System (Ansul 426954).....	52.05	6.30
21 22 16 00-0104 EA Pressure Test Gauge, Inergen® Fire Suppression System (Ansul 423923).....	819.88	108.21
<b>21 22 16 00-0105 Multiple Cylinder Bracketing, Inergen® Fire Suppression System (21 22 16 00-0079)</b>		
21 22 16 00-0106 EA 13" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418502).....	13.86	1.65
Note: For single row 435 cubic foot cylinders.		
21 22 16 00-0107 EA 27" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418503).....	19.66	2.37
Note: For double row 435 cubic foot cylinders.		
<b>21 22 16 00-0108 Nameplates, Inergen® Fire Suppression System (21 22 16 00-0079)</b>		
21 22 16 00-0109 EA Warning Plate, Nameplate, Inside Room With Alarm, Inergen® Fire Suppression System (Ansul 416265).....	15.27	1.85
21 22 16 00-0110 EA Warning Plate, Nameplate, Outside Room Without Alarm, Inergen® Fire Suppression System (Ansul 416266).....	14.08	1.85
<b>21 22 16 00-0111 Nozzle Deflector Shields, Inergen® Fire Suppression System (21 22 16 00-0079)</b>		
21 22 16 00-0112 EA 1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417708).....	61.23	7.98
21 22 16 00-0113 EA 3/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417711).....	64.22	8.36
21 22 16 00-0114 EA 1" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417714) .....	74.66	9.66
21 22 16 00-0115 EA 1-1/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417717) .....	83.17	10.91
21 22 16 00-0116 EA 1-1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417720) .....	95.40	12.54
<b>21 22 16 00-0117 Nozzles, Inergen® Fire Suppression System (21 22 16 00-0079)</b>		
21 22 16 00-0118 EA 1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417908).....	93.71	12.36
21 22 16 00-0119 EA 3/8" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417723) .....	97.25	12.72
21 22 16 00-0120 EA 1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417362).....	89.70	11.77
21 22 16 00-0121 EA 3/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417363).....	91.68	12.72
21 22 16 00-0122 EA 1" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417364).....	106.65	13.99
21 22 16 00-0123 EA 1-1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417365).....	114.04	14.91
21 22 16 00-0124 EA 1-1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417366).....	122.75	16.00
21 22 16 00-0125 EA 2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426155).....	211.22	27.99
21 22 16 00-0126 EA 2-1/2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426156) .....	279.28	36.72
21 22 16 00-0127 EA 3" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426137).....	304.42	40.35
21 22 16 00-0128 EA 1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426138).....	109.11	14.53
21 22 16 00-0129 EA 3/8" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426139).....	128.74	17.02
21 22 16 00-0130 EA 1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426140).....	105.95	13.99
21 22 16 00-0131 EA 3/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426141).....	113.20	14.83
21 22 16 00-0132 EA 1" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426142).....	114.19	14.91
21 22 16 00-0133 EA 1-1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426143) .....	137.84	18.10
21 22 16 00-0134 EA 1-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426157) .....	148.53	19.63



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0135 EA 2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426144) .....	228.00	30.12
21 22 16 00-0136 EA 2-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426145) .....	266.18	35.26
21 22 16 00-0137 EA 3" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426146) .....	291.68	38.54
<b>21 22 16 00-0138 Pressure Reducers, Inergen® Fire Suppression System</b> <small>(21 22 16 00-0079)</small>		
21 22 16 00-0139 EA 1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416677) .....	122.75	16.00
21 22 16 00-0140 EA 3/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416678) .....	150.55	19.92
21 22 16 00-0141 EA 1" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416679) .....	161.93	21.45
21 22 16 00-0142 EA 1-1/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416680) .....	228.00	30.12
21 22 16 00-0143 EA 1-1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416681) .....	249.10	33.01
21 22 16 00-0144 EA 2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416682) .....	292.67	38.54
21 22 16 00-0145 EA 2-1/2" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417057) .....	340.26	45.18
21 22 16 00-0146 EA 3" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417058) .....	402.25	53.45
21 22 16 00-0147 EA 2-1/2" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426823) .....	513.65	105.43
21 22 16 00-0148 EA 3" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426824) .....	663.53	123.61
21 22 16 00-0149 EA 4" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426825) .....	840.20	207.22
21 22 16 00-0150 EA 2-1/2" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426847) .....	500.42	105.43
21 22 16 00-0151 EA 3" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426848) .....	553.78	73.64
21 22 16 00-0152 EA 4" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426849) .....	840.20	207.22
21 22 16 00-0153 EA 2-1/2" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426853) .....	511.56	105.43
21 22 16 00-0154 EA 3" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426854) .....	575.57	76.53
21 22 16 00-0155 EA 4" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426855) .....	823.49	207.22
<b>21 22 16 00-0156 Pressure Switches, Inergen® Fire Suppression System</b> <small>(21 22 16 00-0079)</small>		
21 22 16 00-0157 EA 3PST, Pressure Switch, Inergen® Fire Suppression System (Ansul 842344) .....	575.22	80.34
<b>21 22 16 00-0158 Releasing Device Equipment, Inergen® Fire Suppression System</b> <small>(21 22 16 00-0079)</small>		
21 22 16 00-0159 EA 12 Or 24 Volt DC, Assembly, Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 17728) .....	944.93	124.65
21 22 16 00-0160 EA 24 Volt DC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 31492) .....	1,348.11	166.10
21 22 16 00-0161 EA 120 Volt AC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 32525) .....	1,431.15	168.96
21 22 16 00-0162 EA Cocking Lever For Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 26310) .....	66.77	8.59
21 22 16 00-0163 EA LT-30-R Nitrogen Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 5373) .....	79.51	11.38
21 22 16 00-0164 EA Remote Actuator Booster With N2 Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 28939) .....	767.01	88.92
<b>21 22 16 00-0165 Replacement Orifice Plates, Inergen® Fire Suppression System</b> <small>(21 22 16 00-0079)</small>		
21 22 16 00-0166 EA 1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418095) .....	84.21	8.44
21 22 16 00-0167 EA 3/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418096) .....	88.25	8.89
21 22 16 00-0168 EA 1" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418097) .....	92.74	9.04
21 22 16 00-0169 EA 1-1/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418098) .....	99.61	9.34
21 22 16 00-0170 EA 1-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418099) .....	103.53	10.25
21 22 16 00-0171 EA 2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418100) .....	103.81	11.08
21 22 16 00-0172 EA 2-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426984) .....	226.30	29.69
21 22 16 00-0173 EA 3" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426985) .....	228.30	29.99
21 22 16 00-0174 EA 4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426986) .....	292.67	38.44
<b>21 22 16 00-0175 Single Cylinder Bracketing, Inergen® Fire Suppression System</b> <small>(21 22 16 00-0079)</small>		
21 22 16 00-0176 EA Strap For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427704) .....	106.65	13.99
21 22 16 00-0177 EA Channel For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427705) .....	142.86	32.00
Note: Includes saddle, padding and fasteners.		
<b>21 22 16 00-0178 Single Mating Flanges, Flanged Manifold Orifices, Inergen® Fire Suppression System</b> <small>(21 22 16 00-0079)</small>		
21 22 16 00-0179 EA 2-1/2" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426856) .....	281.92	20.69
Note: Includes gasket and fasteners.		
21 22 16 00-0180 EA 3" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426857) .....	233.70	30.89
Note: Includes gasket and fasteners.		
21 22 16 00-0181 EA 4" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426858) .....	454.61	207.22
Note: Includes gasket and fasteners.		
21 22 16 00-0182 EA 2-1/2" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426859) .....	146.54	19.32
Note: Includes gasket and fasteners.		
21 22 16 00-0183 EA 3" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426860) .....	172.02	22.54
Note: Includes gasket and fasteners.		
21 22 16 00-0184 EA 4" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426861) .....	451.09	207.22
Note: Includes gasket and fasteners.		
21 22 16 00-0185 EA 2-1/2" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426862) .....	152.53	20.23
Note: Includes gasket and fasteners.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0186 EA 3" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426863) .....	178.73	23.58
Note: Includes gasket and fasteners.		
21 22 16 00-0187 EA 4" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426864) .....	468.49	207.22
Note: Includes gasket and fasteners.		
21 22 16 00-0188 EA 2-1/2" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426828) .....	30.48	1.53
Note: Includes a stainless steel inner ring and a carbon steel outer ring.		
21 22 16 00-0189 EA 3" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426829) .....	30.79	1.69
Note: Includes a stainless steel inner ring and a carbon steel outer ring.		
21 22 16 00-0190 EA 4" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426830) .....	33.11	2.00
Note: Includes a stainless steel inner ring and a carbon steel outer ring.		
<b>21 22 16 00-0191 Upright And Feet, Cylinder Bracketing, Inergen® Fire Suppression System</b> <small>(21 22 16 00-0079)</small>		
21 22 16 00-0192 EA Center Upright Foot, Inergen® Fire Suppression System (Ansul 418508) .....	18.67	2.46
21 22 16 00-0193 EA Double Row, Back-To-Back Rows, Weigh Rail Support, Inergen® Fire Suppression System (Ansul 423027) .....	153.97	18.69
21 22 16 00-0194 EA 85" High, Cylinder Bracketing For 425 CF And LC100 Cylinders, Inergen® Fire Suppression System (Ansul 426592) .....	113.61	18.69
Note: Includes upright, left, right and center.		
<b>21 22 16 00-0195 Autopulse® Fire Detection And Control Equipment</b> <small>(21 22 16 00-0001)</small>		
<b>21 22 16 00-0196 Accessory Switches, Autopulse® Fire Detection And Control Equipment</b> <small>(21 22 16 00-0195)</small>		
21 22 16 00-0197 EA Abort, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76495) .....	120.26	16.13
21 22 16 00-0198 EA Abort, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76494) .....	136.67	18.39
21 22 16 00-0199 EA Main/Reserve, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76497) .....	173.85	23.37
21 22 16 00-0200 EA Main/Reserve, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76496) .....	187.25	25.17
21 22 16 00-0201 EA Maintenance, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76499) .....	234.43	31.65
21 22 16 00-0202 EA Maintenance, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76498) .....	249.54	33.61
21 22 16 00-0203 EA Explosion Proof, Abort Switch, Autopulse® Fire Detection And Control Equipment (Ansul 65956) .....	478.19	64.81
21 22 16 00-0204 EA Single Gang, Surface Mount Back Box For Accessory Switches, Autopulse® Fire Detection And Control Equipment (Ansul 76490) .....	38.61	4.82
<b>21 22 16 00-0205 Alarm Devices, Autopulse® Fire Detection And Control Equipment</b> <small>(21 22 16 00-0195)</small>		
21 22 16 00-0206 EA Selectable Candela Strobe, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429698) .....	104.17	14.01
21 22 16 00-0207 EA Sync Module, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429699) .....	152.76	20.49
21 22 16 00-0208 EA Back Box Extender Adapter, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429702) .....	13.93	1.86
<b>21 22 16 00-0209 Annunciators, Autopulse® Fire Detection And Control Equipment</b> <small>(21 22 16 00-0195)</small>		
21 22 16 00-0210 EA 80 Character LCD, Annunciator, LCD-80, Autopulse® Fire Detection And Control Equipment (Ansul 417492) .....	1,199.97	162.63
21 22 16 00-0211 EA 16 Zone Alarm/Trouble, Annunciator Control Module, ACM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417496) .....	1,005.95	136.25
21 22 16 00-0212 EA 16 Zone Alarm/Trouble, Annunciator Expander Module, AEM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417497) .....	780.91	105.80
21 22 16 00-0213 EA 32 Zone, Alarm Annunciator Expander Module, AEM-32A, Autopulse® Fire Detection And Control Equipment (Ansul 417500) .....	680.14	92.09
21 22 16 00-0214 EA Annunciator Lamp Driver Control Module, LDM-32, Autopulse® Fire Detection And Control Equipment (Ansul 417501) .....	680.14	92.09
21 22 16 00-0215 EA Annunciator Lamp Driver Expander Module, LDM-E32, Autopulse® Fire Detection And Control Equipment (Ansul 417502) .....	544.86	73.70
21 22 16 00-0216 EA Annunciator Lamp Driver Relay Module, LDM-R32, Autopulse® Fire Detection And Control Equipment (Ansul 417650) .....	1,005.95	136.25
21 22 16 00-0217 EA 24", Annunciator Lamp Driver Cable, LDM-CBL24, Autopulse® Fire Detection And Control Equipment (Ansul 417651) .....	204.63	27.58
21 22 16 00-0218 EA 48", Annunciator Lamp Driver Cable, LDM-CBL48, Autopulse® Fire Detection And Control Equipment (Ansul 417652) .....	256.53	34.67
21 22 16 00-0219 EA 8 Relay, Annunciator Control Module, ACM-8R, Autopulse® Fire Detection And Control Equipment (Ansul 417653) .....	514.37	69.64
21 22 16 00-0220 EA Key Switch, AKS-1 Annunciator Accessory, Autopulse® Fire Detection And Control Equipment (Ansul 417660) .....	86.93	11.68
21 22 16 00-0221 EA Low Profile Annunciator Chassis, CHS-4L, Autopulse® Fire Detection And Control Equipment (Ansul 418576) .....	118.17	16.13
Note: For up to 4 LDM modules.		
21 22 16 00-0222 EA Flush, Single Annunciator Back Box, ABF-1, Autopulse® Fire Detection And Control Equipment (Ansul 417657) .....	204.64	27.58
<b>21 22 16 00-0223 Autopulse IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment</b> <small>(21 22 16 00-0195)</small>		
21 22 16 00-0224 EA CHS-4 Chassis, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419586) .....	158.80	22.46
21 22 16 00-0225 EA REL 47K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419639) .....	9.78	1.53
21 22 16 00-0226 EA REL 4.7K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419640) .....	70.60	1.86
21 22 16 00-0227 EA REL 2.2K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 407765) .....	10.52	1.86



<b>Fire Suppression</b>	<b>21</b>	
<b>Fire-Extinguishing Systems</b>	<b>21 20</b>	<b>12</b>
<b>Clean-Agent Fire-Extinguishing Systems</b>	<b>21 22</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>21 22 16 00-0228</b>	<b>Autopulse IQ-396X Modules, Autopulse® Fire Detection And Control Equipment</b> <small>(21 22 16 00-0195)</small>	
21 22 16 00-0229 EA	Indicating Circuit Expander, IQ-396X Modules, ICE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419564) ..... 352.91	50.34
21 22 16 00-0230 EA	Control Relay Expander, IQ-396X Modules, CRE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419566) ..... 211.60	29.99
<b>21 22 16 00-0231</b>	<b>Batteries And Power Supplies, Autopulse® Fire Detection And Control Equipment</b> <small>(21 22 16 00-0195)</small>	
21 22 16 00-0232 EA	7 Amp Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417692) ..... 156.63	19.29
21 22 16 00-0233 EA	12 Amp Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417693) ..... 327.44	40.85
21 22 16 00-0234 EA	18 Amp Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417694) ..... 369.48	46.27
21 22 16 00-0235 EA	25 Amp Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417695) ..... 483.87	56.37
21 22 16 00-0236 EA	55 Amp Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417997) ..... 778.48	97.82
21 22 16 00-0237 EA	BB-17, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 418578) ..... 116.26	15.52
21 22 16 00-0238 EA	BB-25, Grey Cabinet, Autopulse® Fire Detection And Control Equipment (Ansul 428079) ..... 207.65	28.03
	Note: Holds six XP5 modules or 25AH battery pack.	
21 22 16 00-0239 EA	BB-55, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 419410) ..... 422.30	57.13
	Note: For mounting in BB-55 battery box.	
21 22 16 00-0240 EA	Battery Charger, CHG-120, Autopulse® Fire Detection And Control Equipment (Ansul 426207) ..... 1,227.59	166.40
	Note: For mounting in BB-55 battery box.	
21 22 16 00-0241 EA	120 Volt AC, FCPS-24F, Red Remote Power Supply, Autopulse® Fire Detection And Control Equipment (Ansul 418563) ..... 897.77	121.63
<b>21 22 16 00-0242</b>	<b>Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment</b> <small>(21 22 16 00-0195)</small>	
21 22 16 00-0243 EA	Monitor Module, Intelligent Addressable Devices, FMM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428097) ..... 94.58	12.88
21 22 16 00-0244 EA	Mini Monitor Module, Intelligent Addressable Devices, FMM-101, Autopulse® Fire Detection And Control Equipment (Ansul 428098) ..... 88.17	12.81
21 22 16 00-0245 EA	Isolator Module, Intelligent Addressable Devices, ISO-X, Autopulse® Fire Detection And Control Equipment (Ansul 417480) ..... 119.26	18.39
21 22 16 00-0246 EA	2-Wire Detector Monitor Module, Intelligent Addressable Devices, FZM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428100) ..... 177.86	23.96
21 22 16 00-0247 EA	NAC Control Module, Intelligent Addressable Devices, FCM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428101) ..... 138.09	19.45
21 22 16 00-0248 EA	Control Relay Module, Intelligent Addressable Devices, FRM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428102) ..... 129.61	18.69
21 22 16 00-0249 EA	Flangeless, Analog Addressable Detector Base, Intelligent Addressable Devices, B501, Autopulse® Fire Detection And Control Equipment (Ansul 417487) ..... 20.65	2.98
21 22 16 00-0250 EA	Analog Addressable Detector Base With Isolator, Intelligent Addressable Devices, B224BI, Autopulse® Fire Detection And Control Equipment (Ansul 426125) ..... 76.29	10.55
21 22 16 00-0251 EA	Harsh Detector, Analog Addressable Detector Base, Intelligent Addressable Devices, B710HD, Autopulse® Fire Detection And Control Equipment (Ansul 427066) ..... 76.38	10.25
21 22 16 00-0252 EA	HPX-751 Detector Filter Cover, Intelligent Addressable Devices, FR-FTX, Autopulse® Fire Detection And Control Equipment (Ansul 427067) ..... 26.03	8.44
21 22 16 00-0253 EA	Low Profile Trim Ring, Intelligent Addressable Devices, F110, Autopulse® Fire Detection And Control Equipment (Ansul 428138) ..... 7.03	0.94
	Note: Converts BX501 to low profile base.	
21 22 16 00-0254 EA	Relay Base, Intelligent Addressable Devices, B224RB, Autopulse® Fire Detection And Control Equipment (Ansul 423945) ..... 73.52	9.87
21 22 16 00-0255 EA	EOL Power Supervision Relay, Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (Ansul 417699) ..... 43.05	5.82
21 22 16 00-0256 EA	XP5 Modules Cabinet, Intelligent Addressable Devices, BB-XP, Autopulse® Fire Detection And Control Equipment (Ansul 428078) ..... 116.65	15.37
21 22 16 00-0257 EA	BB-25 Chassis, Intelligent Addressable Devices, CHS-6, Autopulse® Fire Detection And Control Equipment (Ansul 428080) ..... 60.98	8.13
<b>21 22 16 00-0258</b>	<b>Manual Pull Stations, Autopulse® Fire Detection And Control Equipment</b> <small>(21 22 16 00-0195)</small>	
21 22 16 00-0259 EA	Break Rod Package For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 428661) ..... 17.60	2.19
21 22 16 00-0260 EA	Key Pull Station For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 418336) ..... 10.94	1.21
<b>21 22 16 00-0261</b>	<b>Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment</b> <small>(21 22 16 00-0195)</small>	
21 22 16 00-0262 EA	Transmitter Module, 4XTM, Autopulse® Fire Detection And Control Equipment (Ansul 417470) ..... 152.76	20.49
	Note: Includes municipal box and remote station connection.	
21 22 16 00-0263 EA	Relay/Transmitter Module With 8 Form C Relay Contacts, RTM-8, Autopulse® Fire Detection And Control Equipment (Ansul 417471) ..... 460.05	58.93
21 22 16 00-0264 EA	Universal Digital Alarm COM/XMTR Module, UDACT, Autopulse® Fire Detection And Control Equipment (Ansul 419411) ..... 876.70	118.77
21 22 16 00-0265 EA	Ferrite Core For Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment (Ansul 419635) ..... 23.41	3.07
<b>21 22 16 00-0266</b>	<b>Vesda® Aspirating Smoke Detection System</b> <small>(21 22 16 00-0001)</small>	





MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

21 22 16 00-0267		<b>Batteries And Power Supplies, Vesda® Aspirating Smoke Detection System</b> <small>(21 22 16 00-0266)</small>		
21 22 16 00-0268	EA	Transformer Only, VSP-TRAN-120, Vesda® Aspirating Smoke Detection System (Ansul 430482).....	119.24	14.47
21 22 16 00-0269	EA	Battery Cabinet, VBC-001, Vesda® Aspirating Smoke Detection System (Ansul 430379).....	292.31	21.81
21 22 16 00-0270	EA	120 Volt AC, Single Zone Power Supply With Housing, VPS-100US-120, Vesda® Aspirating Smoke Detection System (Ansul 430374).....	662.18	84.40
21 22 16 00-0271	EA	220 Volt AC, Single Zone Power Supply With Housing, VPS-100US-220, Vesda® Aspirating Smoke Detection System (Ansul 430375).....	662.18	84.40
21 22 16 00-0272	EA	120 Volt AC, Multi Zone Power Supply, VPS-300US-120, Vesda® Aspirating Smoke Detection System (Ansul 430376).....	994.98	126.60
		Note: Includes housing and battery cab.		
21 22 16 00-0273	EA	220 Volt AC, Multi Zone Power Supply, VPS-300US-220, Vesda® Aspirating Smoke Detection System (Ansul 430377).....	994.98	126.60
		Note: Includes housing and battery cab.		
21 22 16 00-0274	EA	48 Volt DC, Multi Zone Power Supply With Housing, VPS-400US-48, Vesda® Aspirating Smoke Detection System (Ansul 430378).....	1,459.73	161.27
21 22 16 00-0275		<b>Blank Plates, Vesda® Aspirating Smoke Detection System</b> <small>(21 22 16 00-0266)</small>		
21 22 16 00-0276	EA	Blank Plate Without VESDA Logo, VSP-300, Vesda® Aspirating Smoke Detection System (Ansul 430459).....	21.35	2.71
21 22 16 00-0277	EA	Blank Plate With VESDA Logo, VSP-000, Vesda® Aspirating Smoke Detection System (Ansul 430458).....	32.56	2.71
21 22 16 00-0278	EA	Blank Plate, EMC Painted Without Logo, VSP-200, Vesda® Aspirating Smoke Detection System (Ansul 430484).....	46.96	5.12
21 22 16 00-0279	EA	Single Blank Plate, VRE-001, Vesda® Aspirating Smoke Detection System (Ansul 430446).....	73.73	5.73
21 22 16 00-0280	EA	Double Blank Plate, VRE-002, Vesda® Aspirating Smoke Detection System (Ansul 430447).....	91.60	11.45
21 22 16 00-0281	EA	Blank Plate Without FOK LED's And Logo, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430480).....	171.45	14.47
21 22 16 00-0282		<b>Detectors, Vesda® Aspirating Smoke Detection System</b> <small>(21 22 16 00-0266)</small>		
21 22 16 00-0283	EA	LaserPLUS, Detector Only, Enclosure, VLP-000, Vesda® Aspirating Smoke Detection System (Ansul 430350).....	4,982.37	708.38
		Note: Includes 3 blank plates.		
21 22 16 00-0284	EA	LaserPLUS Detector, VLP-012, Vesda® Aspirating Smoke Detection System (Ansul 430354).....	6,364.72	874.17
		Note: Includes centrally mounted LCD programmer module and standard display.		
21 22 16 00-0285	EA	LaserPLUS Detector, VLP-010, Vesda® Aspirating Smoke Detection System (Ansul 430356).....	5,752.96	798.81
		Note: Includes centrally mounted LCD programmer.		
21 22 16 00-0286	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-200, Vesda® Aspirating Smoke Detection System (Ansul 430357).....	8,013.97	1,055.04
21 22 16 00-0287	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-300, Vesda® Aspirating Smoke Detection System (Ansul 430358).....	8,436.16	1,115.33
21 22 16 00-0288	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-600, Vesda® Aspirating Smoke Detection System (Ansul 430359).....	8,101.24	1,070.11
		Note: Includes 1 fire alarm (any SCT) and OK/FOK LEDs.		
21 22 16 00-0289	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-700, Vesda® Aspirating Smoke Detection System (Ansul 430360).....	8,555.85	1,130.40
		Note: Includes 1 fire alarm (any SCT) and OK/FOK LED.		
21 22 16 00-0290	EA	7-Relay, LaserSCANNER Detector Only, VLS-204, Vesda® Aspirating Smoke Detection System (Ansul 430361).....	8,796.95	1,175.61
		Note: Includes 2 blank plates and scan display module at far right.		
21 22 16 00-0291	EA	12-Relay, LaserSCANNER Detector, VLS-304, Vesda® Aspirating Smoke Detection System (Ansul 430363).....	9,176.23	1,235.90
		Note: Includes 2 blank plates and scanner display.		
21 22 16 00-0292	EA	7-Relay, LaserSCANNER Detector, VLS-214, Vesda® Aspirating Smoke Detection System (Ansul 430365).....	9,645.78	1,296.19
		Note: Includes centrally mounted programmer module.		
21 22 16 00-0293	EA	12-Relay, LaserSCANNER Detector, VLS-314, Vesda® Aspirating Smoke Detection System (Ansul 430367).....	10,056.39	1,356.47
		Note: Includes centrally mounted LCD programmer module and scanner display module.		
21 22 16 00-0294	EA	12-Relay, LaserSCANNER Detector, VLS-310, Vesda® Aspirating Smoke Detection System (Ansul 430369).....	9,461.16	1,235.90
		Note: Includes centrally mounted LCD programmer.		
21 22 16 00-0295		<b>Displays, Vesda® Aspirating Smoke Detection System</b> <small>(21 22 16 00-0266)</small>		
21 22 16 00-0296	EA	VRT-200 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430381).....	1,528.52	165.79
		Note: Includes a remote termination card and 7 relays.		
21 22 16 00-0297	EA	VRT-400 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430385).....	1,536.19	165.79
		Note: Includes a remote termination card and 7 relays.		
21 22 16 00-0298	EA	VRT-600 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430383).....	1,384.12	150.72
		Note: Includes a remote termination card without relays.		
21 22 16 00-0299	EA	VRT-700 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430387).....	1,393.03	150.72
		Note: Includes a remote termination card.		
21 22 16 00-0300	EA	VRT-800 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430389).....	1,723.27	180.86
		Note: Includes a remote termination card and 12 relays.		
21 22 16 00-0301	EA	VRT-K00 Display, Compact Version Without Relays, Vesda® Aspirating Smoke Detection System (Ansul 430391).....	1,463.66	156.75
21 22 16 00-0302	EA	VRT-J00 Display, Compact Version With 7 Relays, Vesda® Aspirating Smoke Detection System (Ansul 430393).....	1,601.03	176.04
21 22 16 00-0303		<b>Intelligent Addressable Devices, Vesda® Aspirating Smoke Detection System</b> <small>(21 22 16 00-0266)</small>		
21 22 16 00-0304	EA	LaserCOMPACT (VN), VESDAnet Version Plus Relay Output, VLC-505, Vesda® Aspirating Smoke Detection System (Ansul 430370).....	3,823.26	497.37
21 22 16 00-0305	EA	LaserCOMPACT (RO), Relay Only Version, VLC-500, Vesda® Aspirating Smoke Detection System (Ansul 430372).....	3,151.72	397.90
21 22 16 00-0306	EA	Programmer With Remote Termination Card, VRT-100, Vesda® Aspirating Smoke Detection System (Ansul 430380).....	1,111.79	150.72
21 22 16 00-0307	EA	VESDAnet Socket, VRT-300, Vesda® Aspirating Smoke Detection System (Ansul 430395).....	803.06	97.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0308 EA System Relay Module, VRT-S07, Vesda® Aspirating Smoke Detection System (Ansul 430399) .....	1,120.00	132.03
21 22 16 00-0309 EA PC-Link High-Level Interface, VHX-0200, Vesda® Aspirating Smoke Detection System (Ansul 430442) .....	1,357.40	162.78
Note: Interface connects PC and LaserPLUS system.		
21 22 16 00-0310 EA Modern Cable, PC-HLI To Modem Connection, VHX-00090, Vesda® Aspirating Smoke Detection System (Ansul 430443) .....	211.38	24.42
21 22 16 00-0311 EA Hand-Held Programmer, VHH-1000, Vesda® Aspirating Smoke Detection System (Ansul 430444) .....	1,416.69	150.72
21 22 16 00-0312 EA Programmer Module, VSP-001, Vesda® Aspirating Smoke Detection System (Ansul 430460) .....	1,007.48	125.10
21 22 16 00-0313 EA VESDAnet Socket Kit, VSP-003, Vesda® Aspirating Smoke Detection System (Ansul 430463) .....	791.71	96.46
21 22 16 00-0314 EA Standard Display Module, VSP-002, Vesda® Aspirating Smoke Detection System (Ansul 430461) .....	1,009.15	125.10
21 22 16 00-0315 EA Scanner Display Module, VSP-004, Vesda® Aspirating Smoke Detection System (Ansul 430464) .....	1,007.48	125.10
21 22 16 00-0316 EA Remote Display Module, Compact (VN), VSP-502, Vesda® Aspirating Smoke Detection System (Ansul 430487) .....	997.73	117.56
21 22 16 00-0317 EA Filter Cartridge, VSP-005, Vesda® Aspirating Smoke Detection System (Ansul 430466) .....	19.13	10.55
21 22 16 00-0318 EA Detector Chassis Assembly, VSP-006, Vesda® Aspirating Smoke Detection System (Ansul 430467) .....	4,817.99	578.76
21 22 16 00-0319 EA Scanner Chassis Assembly, VSP-009, Vesda® Aspirating Smoke Detection System (Ansul 430470) .....	8,394.29	1,012.84
21 22 16 00-0320 EA Aspirator For LaserPLUS And Laser Scanner, VSP-015, Vesda® Aspirating Smoke Detection System (Ansul 430475) .....	656.91	75.36
21 22 16 00-0321 EA Filter Cover, VSP-019, Vesda® Aspirating Smoke Detection System (Ansul 430477) .....	15.00	1.51
21 22 16 00-0322 EA Cover Screws, 17606, Vesda® Aspirating Smoke Detection System (Ansul 430478) .....	8.59	0.30
21 22 16 00-0323 EA US Power Supply Circuit Board Only, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430481) .....	361.34	43.71
21 22 16 00-0324 EA Relay Processor Module (DRP), VSP-102, Vesda® Aspirating Smoke Detection System (Ansul 430483) .....	437.75	53.05
21 22 16 00-0325 EA Aspirator, LaserCOMPACT, VSP-501, Vesda® Aspirating Smoke Detection System (Ansul 430486) .....	631.85	76.86
21 22 16 00-0326 EA RO-Cable For LaserCOMPACT Relay Only, (RO) Version, VSP-509, Vesda® Aspirating Smoke Detection System (Ansul 430488) .....	93.06	11.45
21 22 16 00-0327 EA Miniature Sampling Point, E700-SP, Vesda® Aspirating Smoke Detection System (Ansul 430502) .....	14.38	2.41
<b>21 22 16 00-0328 Labels And Decals, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)</b>		
21 22 16 00-0329 EA Sampling Point Labels, Roll Of 35, E700-SP-DCL-PIPE, Vesda® Aspirating Smoke Detection System (Ansul 430509) .....	13.16	1.80
21 22 16 00-0330 EA Round Point Label, Roll Of 50, E700-SP-DCL-PNT, Vesda® Aspirating Smoke Detection System (Ansul 430505) .....	13.77	2.11
21 22 16 00-0331 EA Red, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLR, Vesda® Aspirating Smoke Detection System (Ansul 430506) .....	21.35	2.71
21 22 16 00-0332 EA Grey, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLG, Vesda® Aspirating Smoke Detection System (Ansul 430507) .....	21.38	2.71
21 22 16 00-0333 EA Sampling Point Decal, Wrap-Around Style, Roll Of 200, E700-SP-DCL, Vesda® Aspirating Smoke Detection System (Ansul 430508) .....	77.44	10.25
<b>21 22 16 00-0334 Mounting Hardware, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)</b>		
21 22 16 00-0335 EA Remote Mounting Single Box With Escutcheon Only, VKT-000, Vesda® Aspirating Smoke Detection System (Ansul 430456) .....	192.11	21.70
21 22 16 00-0336 EA Recessed Mounting Kit For Remote Single Boxes, VSP-012, Vesda® Aspirating Smoke Detection System (Ansul 430472) .....	258.92	28.94
21 22 16 00-0337 EA Recessed Mounting Kit For VLP Or VLS Detector, VSP-011, Vesda® Aspirating Smoke Detection System (Ansul 430471) .....	264.39	31.65
21 22 16 00-0338 EA Remote 19 Sub Rack With 4 Blank Plates, VSR-0000, Vesda® Aspirating Smoke Detection System (Ansul 430457) .....	650.82	45.21
21 22 16 00-0339 EA Sub Rack Enclosure, VRE-100, Vesda® Aspirating Smoke Detection System (Ansul 430445) .....	949.86	99.47
<b>21 22 16 00-0340 Pipe And Fittings, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)</b>		
21 22 16 00-0341 LF 3/4", Orange Chlorinated Polyvinyl Chloride (CPVC) Pipe, Vesda® Aspirating Smoke Detection System (Ansul 430491) .....	3.59	1.03
21 22 16 00-0342 EA 3/4", End Cap, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430497) .....	5.99	2.05
21 22 16 00-0343 EA 3/4", 45 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430494) .....	16.23	6.16
21 22 16 00-0344 EA 3/4", 90 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430493) .....	16.86	6.16
21 22 16 00-0345 EA 3/4", Coupling, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430495) .....	11.68	4.10
21 22 16 00-0346 EA 3/4", Union, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430496) .....	19.04	6.16
21 22 16 00-0347 EA 3/4", Tee, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430498) .....	25.05	9.23
21 22 16 00-0348 EA 3/4" x 1/2" FPT, Tee, Chlorinated Polyvinyl Chloride (CPVC), Vesda® Aspirating Smoke Detection System (Ansul 430499) .....	31.67	10.83
21 22 16 00-0349 LF 1/2" OD x 3/8" ID, Black Polyethylene Tubing, Vesda® Aspirating Smoke Detection System (Ansul 430500) .....	3.30	1.09
21 22 16 00-0350 EA Pipe Adapters, Metric-To-Imperial, VSP-021, Vesda® Aspirating Smoke Detection System (Ansul 430479) .....	13.46	3.32
21 22 16 00-0351 EA Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Plastic, E700-CAP KIT, Vesda® Aspirating Smoke Detection System (Ansul 430503) .....	16.83	2.41
21 22 16 00-0352 EA Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Brass, Vesda® Aspirating Smoke Detection System (Ansul 430504) .....	24.16	3.32
<b>21 22 16 00-0353 Remote Termination And Relay Cards, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)</b>		
21 22 16 00-0354 EA VRT-500, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430396) .....	1,111.34	115.75
Note: Remote box includes 7 relays for VLP/VLC.		
21 22 16 00-0355 EA VN, Compact Termination Card, VSP-515, Vesda® Aspirating Smoke Detection System (Ansul 430490) .....	1,129.24	133.23
21 22 16 00-0356 EA 12-Relay, Remote Termination Card, VSP-208, Vesda® Aspirating Smoke Detection System (Ansul 430485) .....	683.33	81.39

<b>21</b>	<b>Fire Suppression</b>
<b>21 20</b>	<b>Fire-Extinguishing Systems</b>
<b>21 22</b>	<b>Clean-Agent Fire-Extinguishing Systems</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0357 EA RO, Compact Termination Card, VSP-510, Vesda® Aspirating Smoke Detection System (Ansul 430489) .....	781.06	91.93
21 22 16 00-0358 EA VRT-501, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430397) .....	1,111.34	115.75
Note: Remote box includes 7 relays for VLS.		
21 22 16 00-0359 EA VRT-900 Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430398) .....	1,342.61	133.23
Note: Remote box includes 12 relays for VLS.		
21 22 16 00-0360 EA Remote Termination Card Without Relay, VSP-007, Vesda® Aspirating Smoke Detection System (Ansul 430468) .....	380.11	41.00
21 22 16 00-0361 EA Remote Termination Card (RTC7), VSP-008, Vesda® Aspirating Smoke Detection System (Ansul 430469) .....	571.46	62.70
21 22 16 00-0362 EA 7-Relay, Head Termination Card, VSP-014, Vesda® Aspirating Smoke Detection System (Ansul 430474) .....	1,073.59	129.62
21 22 16 00-0363 EA 12-Relay, Head Termination Card, VSP-016, Vesda® Aspirating Smoke Detection System (Ansul 430476) .....	1,575.05	189.91
<b>21 22 16 00-0364 Preferred® Low Pressure CO2 System</b> <small>(21 22 16 00-0001)</small>		
<b>21 22 16 00-0365 Manual Pull Stations, Preferred® Low Pressure CO2 System</b> <small>(21 22 16 00-0364)</small>		
21 22 16 00-0366 EA Addressable, DPST, Dual Action Pull Station, Preferred® Low Pressure CO2 System (Ansul 428658) .....	84.96	10.55
Note: Excludes FMM-101.		
21 22 16 00-0367 EA Weatherproof Backbox For Manual Pull Stations, Preferred® Low Pressure CO2 System (Ansul 428659) .....	63.57	7.83
<b>21 22 16 00-0368 Industrial Fire Control System</b> <small>(21 22 16 00-0001)</small>		
<b>21 22 16 00-0369 Alarm Devices, Industrial Fire Control System</b> <small>(21 22 16 00-0368)</small>		
21 22 16 00-0370 EA Explosion Proof Alarm Horn, Alarm Devices, Industrial Fire Control System (Ansul 65947) .....	2,050.98	278.08
21 22 16 00-0371 EA 6", 115 Volt AC Alarm Bell For Release Systems, Alarm Devices, Industrial Fire Control System (Ansul 24751) .....	63.23	6.39
21 22 16 00-0372 EA 24 Volt AC, Multitone Horn, Alarm Devices, Industrial Fire Control System (Ansul 429697) .....	61.98	8.29
21 22 16 00-0373 EA Weatherproof Surface Back Box For Horn And Strobe, Alarm Devices, Industrial Fire Control System (Ansul 429700) .....	36.91	4.97
21 22 16 00-0374 EA Semi-Flush Plate, Alarm Devices, Industrial Fire Control System (Ansul 429701) .....	15.08	2.02
<b>21 22 16 00-0375 Manual Pull Stations, Industrial Fire Control System</b> <small>(21 22 16 00-0368)</small>		
21 22 16 00-0376 EA SPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428655) .....	70.20	8.74
21 22 16 00-0377 EA DPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428656) .....	98.96	12.36
21 22 16 00-0378 EA Explosion Proof, DPDT, Dual Action Pull Station, Industrial Fire Control System (Ansul 428657) .....	772.51	97.07
21 22 16 00-0379 EA Surface Mounted Backbox For Manual Pull Stations, Industrial Fire Control System (Ansul 428660) .....	22.46	2.80
21 22 16 00-0380 EA Extra Pull Station Labels For Manual Pull Stations, Industrial Fire Control System (Ansul 428654) .....	10.08	1.25
<b>21 22 16 00-0381 Marine Fire Control System</b> <small>(21 22 16 00-0001)</small>		
<b>21 22 16 00-0382 Alarm Devices, Marine Fire Control System</b> <small>(21 22 16 00-0381)</small>		
21 22 16 00-0383 EA Weatherproof Surface Mount Back Box For Alarm Accessories, Alarm Devices, Marine Fire Control System (Ansul 24747) .....	40.71	5.06
21 22 16 00-0384 EA 6", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417805) .....	74.92	9.80
21 22 16 00-0385 EA 10", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417806) .....	74.92	9.80
<b>21 22 16 00-0386 FM200 System Equipment</b> <small>(21 22 16)</small>		
21 22 16 00-0387 EA 26 LB Cylinder, Filled, For FM200 Fire Protection system .....	2,042.84	72.71
21 22 16 00-0388 EA 44 LB Cylinder, Filled, For FM200 Fire Protection system .....	2,926.38	83.25
21 22 16 00-0389 EA 63 LB Cylinder, Filled, For FM200 Fire Protection system .....	3,473.67	98.15
21 22 16 00-0390 EA 101 LB Cylinder, Filled, For FM200 Fire Protection system .....	4,602.49	116.34
21 22 16 00-0391 EA 196 LB Cylinder, Filled, For FM200 Fire Protection system .....	7,190.57	145.42
21 22 16 00-0392 EA Electro/Mechanical Release, For FM200 Fire Protection system .....	463.33	145.42
21 22 16 00-0393 EA Manual Pull Station, For FM200 Fire Protection system .....	161.37	48.36
21 22 16 00-0394 EA Pneumatic Damper Release, For FM200 Fire Protection system .....	194.89	36.35
21 22 16 00-0395 LB FM200 Gas .....	15.95	
21 22 16 00-0396 EA Master Cylinder, For FM200 Fire Protection system .....	3,325.60	39.12
21 22 16 00-0397 EA Shuttle Check Valve, For FM200 Fire Protection system .....	482.53	54.68
21 22 16 00-0398 EA Flex Head Cylinder, For FM200 Fire Protection system .....	481.30	58.61
21 22 16 00-0399 EA Nozzles, For FM200 Fire Protection system .....	120.51	20.73
21 22 16 00-0400 EA Cylinder Support, For FM200 Fire Protection system .....	142.69	39.12
21 22 16 00-0401 EA Solenoid Valve, For FM200 Fire Protection system .....	621.84	58.61
21 22 16 00-0402 EA Battery Back-Up, For FM200 Fire Protection system .....	479.63	154.58
21 22 16 00-0403 EA Control Panel, Single Zone, For FM200 Fire Protection system .....	2,449.43	290.40
21 22 16 00-0404 EA Control Panel, Multi Zone, For FM200 Fire Protection system .....	3,980.38	581.46
21 22 16 00-0405 EA Smoke Or Heat Detector, For FM200 Fire Protection system .....	200.43	58.61
21 22 16 00-0406 EA Annunciator, For FM200 Fire Protection system .....	1,982.11	220.10
21 22 16 00-0407 EA Pressure Switch, For FM200 Fire Protection system .....	217.00	58.61
21 22 16 00-0408 EA Alarm Horn, For FM200 Fire Protection system .....	198.83	58.61
21 22 16 00-0409 EA Testing, For FM200 Fire Protection system .....	902.21	
21 22 16 00-0410 EA Abort Switch, For FM200 Fire Protection system .....	136.09	27.27

## 21 23 Wet-Chemical Fire-Extinguishing Systems (21 20)

### 21 23 16 Wet-Chemical Fire-Extinguishing Equipment (21 23)

21 23 16 00-0001 Kidde Fire Systems (21 23 16)  
Note: Kidde or equal.



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>21 23 16 00-0002 Cylinders And Hardware</b> <small>(21 23 16 00-0001)</small>						
	21 23 16 00-0003	EA		125 Cylinder And Valve Assembly With 1.25 Gallon Of Wet Agent.....	638.56	58.67
	21 23 16 00-0004	EA		260 Cylinder And Valve Assembly With 2.6 Gallon Of Wet Agent.....	732.07	73.08
	21 23 16 00-0005	EA		400S And M Cylinder And Valve Assembly With 4 Gallon Of Wet Agent.....	896.87	90.16
	21 23 16 00-0006	EA		600 And L Cylinder And Valve Assembly With 6 Gallon Of Wet Agent.....	1,058.93	106.98
	21 23 16 00-0007	EA		Discharge Adapter Kit (One Required Per Cylinder).....	35.85	3.07
	21 23 16 00-0008	EA		System Valve Actuator.....	128.46	12.19
	21 23 16 00-0009	EA		Vent Plug.....	24.05	2.48
	21 23 16 00-0010	EA		Gauge Shield.....	53.65	6.51
	21 23 16 00-0011	EA		125 Cylinder Wall Mounting Bracket.....	66.14	6.51
	21 23 16 00-0012	EA		260 Cylinder Wall Mounting Bracket.....	70.10	6.91
	21 23 16 00-0013	EA		400S And M Cylinder Wall Mounting Bracket.....	133.29	13.04
	21 23 16 00-0014	EA		600 And 400M Cylinder Shelf Bracket.....	130.44	14.80
	21 23 16 00-0015	EA		600 And 400M Cylinder Floor Mounting Kit.....	158.46	14.83
	21 23 16 00-0016	EA		125 And 260 Cylinder Replacement Bracket Strap.....	21.60	
	21 23 16 00-0017	EA		400 And 600 Cylinder Replacement Bracket Strap.....	22.76	
<b>21 23 16 00-0018 Nozzles And Accessories</b> <small>(21 23 16 00-0001)</small>						
	21 23 16 00-0019	EA		ADP, F, GRW Or R Nozzle.....	59.27	6.00
	21 23 16 00-0020	EA		LPF Or DM Nozzle.....	64.58	6.00
	21 23 16 00-0021	EA		LPR Nozzle.....	75.51	6.00
	21 23 16 00-0022	EA		3/8" Swivel Adapter For Nozzles.....	44.54	4.24
	21 23 16 00-0023	EA		Replacement Nozzle Seals.....	7.01	
	21 23 16 00-0024	EA		Chrome Nozzle Disc Cap.....	4.33	0.39
	21 23 16 00-0025	EA		LPR Nozzle Disc Cap.....	21.21	5.97
<b>21 23 16 00-0026 Control Systems</b> <small>(21 23 16 00-0001)</small>						
	21 23 16 00-0027	EA		XV Control System..... Note: Includes (1) SVA, (1) system cartridge, (1) test cartridge, (1) EMT connector kit, (1) SPDT microswitch kit, and (1) SPDT microswitch kit.	671.19	39.11
	21 23 16 00-0028	EA		7-1/2" High Pressure Hose (Required for cylinder mounted XV Control System).....	57.14	6.51
	21 23 16 00-0029	EA		24" High Pressure Hose.....	67.58	6.51
	21 23 16 00-0030	EA		60" High Pressure Hose.....	90.79	6.51
	21 23 16 00-0031	EA		XV Solenoid Kit (Electric Actuator), 24 VDC.....	131.68	13.04
	21 23 16 00-0032	EA		XV Microswitch Kit, SPDT.....	43.58	6.13
	21 23 16 00-0033	EA		XV Microswitch Kit, SPDT, Terminal Type, For Alarm/Release.....	47.06	6.13
	21 23 16 00-0034	EA		EMT Connector Kit (EMT Connector And O-Ring).....	19.06	4.89
	21 23 16 00-0035	EA		KRS-50 Control Box Assembly..... Note: Includes (1) SVA, (2) CO2 cartridges, (2) set screws, (1) grommet, (1) cover label, and (1) exhaust fan caution label.	377.75	25.26
	21 23 16 00-0036	EA		SPDT Microswitch For KRS-50.....	62.13	6.13
	21 23 16 00-0037	EA		DPDT Microswitch For KRS-50.....	112.56	10.63
	21 23 16 00-0038	EA		SPDT Pressure Switch (Fire Department Tie-In).....	345.19	34.09
<b>21 23 16 00-0039 Mechanical Actuation Components</b> <small>(21 23 16 00-0001)</small>						
	21 23 16 00-0040	EA		Universal Detector Link Housing Kit, Mechanical Actuation Systems..... Note: Includes (1) bracket (11-3/4"), (2) "S" hook, and (2) cable crimp sleeves.	37.60	9.78
	21 23 16 00-0041	EA		XV Low Profile Link Detector Housing Kit..... Note: Includes (1) bracket, (2) 1/2" EMT connectors, (4) cable crimp sleeves, and (1) S hook.	49.72	9.78
	21 23 16 00-0042	EA		XV Or KRS-50 Remote Manual Release, Combination Pull-To-Trip/Release-To-Trip.....	133.72	6.51
	21 23 16 00-0043	EA		XV Remote Manual Release, Pull-To-Trip.....	102.39	6.51
	21 23 16 00-0044	EA		Corner Pulley, Mechanical Actuation Systems.....	17.32	1.76
	21 23 16 00-0045	EA		Double Tee Pulley, Mechanical Actuation Systems.....	243.32	10.76
	21 23 16 00-0046	EA		In-Line Tee Pulley, Mechanical Actuation Systems.....	29.05	2.86
	21 23 16 00-0047	EA		Corner Pulley / Quik-Seal Adapter Combination.....	54.09	3.26
	21 23 16 00-0048	LF		1/16" Cable, Mechanical Actuation Systems.....	1.63	0.66
	21 23 16 00-0049	EA		Cable Clamp.....	7.62	0.32
	21 23 16 00-0050	EA		Cable Crimp Sleeve, Mechanical Actuation Systems.....	1.09	0.26
	21 23 16 00-0051	EA		"S" Hook, Mechanical Actuation Systems.....	1.05	0.26
	21 23 16 00-0052	EA		1/2" EMT x 3/8" NPT Adapter, Mechanical Actuation Systems.....	61.99	6.06
<b>21 23 16 00-0053 Mechanical Detection Links</b> <small>(21 23 16 00-0001)</small>						
	21 23 16 00-0054	EA		KGS Standard Response Link.....	12.67	3.26
	21 23 16 00-0055	EA		KGS Rapid Response Link.....	18.82	3.26
	21 23 16 00-0056	EA		KFA Type "A" Fusible Link.....	16.06	3.26
	21 23 16 00-0057	EA		KML Type "ML" Fusible Link.....	14.63	3.26
	21 23 16 00-0058	EA		500 Degree, KML Type "ML" Fusible Link.....	21.60	3.26
<b>21 23 16 00-0059 Gas Valves</b> <small>(21 23 16 00-0001)</small>						
	21 23 16 00-0060	EA		3/4" NPT Mechanical Cable Operated Gas Shut-off Valve.....	283.96	14.08
	21 23 16 00-0061	EA		1" NPT Mechanical Cable Operated Gas Shut-off Valve.....	308.56	17.34
	21 23 16 00-0062	EA		1-1/4" NPT Mechanical Cable Operated Gas Shut-off Valve.....	353.81	21.90
	21 23 16 00-0063	EA		1-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve.....	387.96	25.23
	21 23 16 00-0064	EA		2" NPT Mechanical Cable Operated Gas Shut-off Valve.....	418.35	29.79
	21 23 16 00-0065	EA		2-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve.....	695.30	43.54

<b>21</b>	<b>Fire Suppression</b>
<b>21 20</b>	<b>Fire-Extinguishing Systems</b>
<b>21 23</b>	<b>Wet-Chemical Fire-Extinguishing Systems</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0066 EA 3" NPT Mechanical Cable Operated Gas Shut-off Valve .....	775.92	50.39
21 23 16 00-0067 EA Pneumatic Release (Single Unit) .....	322.60	15.90
21 23 16 00-0068 EA Replacement Cable Block And Set Screw Assembly For Gas Valve.....	32.04	3.26
21 23 16 00-0069 EA 1/2" Electric Solenoid Gas Shut-off Valve .....	296.86	13.10
21 23 16 00-0070 EA 3/4" Electric Solenoid Gas Shut-off Valve .....	298.82	14.08
21 23 16 00-0071 EA 1" Electric Solenoid Gas Shut-off Valve .....	462.47	17.34
21 23 16 00-0072 EA 1-1/4" Electric Solenoid Gas Shut-off Valve.....	488.62	21.90
21 23 16 00-0073 EA 1-1/2" Electric Solenoid Gas Shut-off Valve .....	560.98	25.23
21 23 16 00-0074 EA 2" Electric Solenoid Gas Shut-off Valve.....	721.94	29.79
21 23 16 00-0075 EA 2-1/2" Electric Solenoid Gas Shut-off Valve.....	1,195.27	43.54
21 23 16 00-0076 EA 3" Electric Solenoid Gas Shut-off Valve .....	1,503.05	50.39
21 23 16 00-0077 EA Manual Reset Relay.....	391.12	65.51
<b>21 23 16 00-0078 Liquid Tight Sealing Adapters</b> <small>(21 23 16 00-0001)</small>		
21 23 16 00-0079 EA Compression Seal Adapter - 3/8" Tubing.....	32.01	2.74
21 23 16 00-0080 EA Compression Seal Adapter - 1/2" Tubing / 1/4" Pipe .....	31.43	2.99
21 23 16 00-0081 EA Compression Seal Adapter - 5/8" Tubing / 3/8" Pipe .....	36.87	3.59
21 23 16 00-0082 EA Compression Seal Adapter - 3/4" Tubing / 1/2" Pipe .....	42.67	3.84
21 23 16 00-0083 EA Compression Seal Adapter - 1/2" Electrical Metallic Tubing (EMT) .....	36.87	3.59
21 23 16 00-0084 EA Quik-Seal Adapter - 3/8" NPT Female .....	31.43	2.99
21 23 16 00-0085 EA Quik-Seal Adapter - 1/2" NPT Female .....	31.43	2.99
21 23 16 00-0086 EA Quik-Seal Adapter - 3/4" NPT Female.....	51.54	5.08
21 23 16 00-0087 EA Quik-Seal Adapter - 1" NPT Female.....	68.64	6.72
21 23 16 00-0088 EA Quik-Patch For Hole Patching Up To 1-1/8" Diameter .....	31.43	
<b>21 23 16 00-0089 Pressure Operated Releasing Systems</b> <small>(21 23 16 00-0001)</small>		
21 23 16 00-0090 EA KRS-100 Nitrogen Cylinder.....	229.36	19.68
21 23 16 00-0091 EA KRS-100 Actuator Assembly .....	204.67	20.08
21 23 16 00-0092 EA KRS-100 Mounting Bracket .....	164.83	4.95
21 23 16 00-0093 EA KRS-700S Nitrogen Cylinder .....	588.02	56.78
21 23 16 00-0094 EA KRS-700 Mounting Bracket .....	125.14	12.12
21 23 16 00-0095 EA KRS-700S Discharge Adapter Kit.....	191.91	12.12
21 23 16 00-0096 EA Check Valve, Pressure Operated Releasing Systems .....	191.27	8.60
21 23 16 00-0097 EA Vent Check, Pressure Operated Releasing Systems.....	57.72	5.48
21 23 16 00-0098 EA Replacement Receiver Gasket For KRS-100 Actuator Assembly.....	7.64	
21 23 16 00-0099 EA 3 Pole, Double Throw Pressure Switch.....	471.29	45.63
<b>21 23 16 00-0100 Pyro-Chem Kitchen Fire Suppression Systems</b> <small>(21 23 16)</small>		
<b>21 23 16 00-0101 Cylinders, Kitchen Fire Suppression Systems</b> <small>(21 23 16 00-0100)</small>		
21 23 16 00-0102 EA 3.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551194) .....	528.77	46.28
21 23 16 00-0103 EA 4.6 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551193) .....	761.65	66.68
21 23 16 00-0104 EA 6.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551196) .....	1,000.03	91.20
21 23 16 00-0105 EA Cylinder Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550053).....	108.30	10.89
21 23 16 00-0106 EA Enclosure With Mechanical Control Unit, Kitchen Fire Suppression Systems (Pyro-Chem 551208).....	713.02	71.19
21 23 16 00-0107 EA Enclosure For Secondary Cylinders, Kitchen Fire Suppression Systems (Pyro-Chem 550966).....	435.34	43.42
<b>21 23 16 00-0108 Fusible Links, Kitchen Fire Suppression Systems</b> <small>(21 23 16 00-0100)</small>		
21 23 16 00-0109 EA 165 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551522).....	14.06	1.43
21 23 16 00-0110 EA 212 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551523).....	14.06	1.43
21 23 16 00-0111 EA 280 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551524).....	14.40	1.43
21 23 16 00-0112 EA 360 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551525).....	14.06	1.43
21 23 16 00-0113 EA 450 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551526).....	14.06	1.43
21 23 16 00-0114 EA 500 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551527).....	15.30	1.43
21 23 16 00-0115 EA Fusible Link Kit With 10" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550131) .....	24.35	2.41
21 23 16 00-0116 EA Fusible Link Kit With 8" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550132) .....	31.60	3.20
21 23 16 00-0117 EA Fusible Link Hanger, Kitchen Fire Suppression Systems (Pyro-Chem 550876) .....	38.22	16.50
21 23 16 00-0118 EA 225 To 600 Fahrenheit, Electrical Thermal Detector, Kitchen Fire Suppression Systems (Pyro-Chem 13970-6) .....	303.89	36.70
<b>21 23 16 00-0119 Gas Valves, Kitchen Fire Suppression Systems</b> <small>(21 23 16 00-0100)</small>		
21 23 16 00-0120 EA 3/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550593) .....	254.47	14.08
21 23 16 00-0121 EA 1" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550594) .....	289.81	17.34
21 23 16 00-0122 EA 1-1/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550595).....	312.68	21.90
21 23 16 00-0123 EA 1-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550596).....	343.91	25.16
21 23 16 00-0124 EA 2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 551049).....	395.59	29.73
21 23 16 00-0125 EA 2-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550185).....	922.41	43.48
21 23 16 00-0126 EA 3" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550186).....	984.14	50.33
21 23 16 00-0127 EA 3/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550358).....	199.58	14.08
21 23 16 00-0128 EA 1" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550359).....	340.58	17.34
21 23 16 00-0129 EA 1-1/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550360) .....	355.20	21.90
21 23 16 00-0130 EA 1-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550361) .....	404.27	25.16
21 23 16 00-0131 EA 2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550362).....	560.22	29.73
21 23 16 00-0132 EA 2-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550363) .....	1,084.29	43.48
21 23 16 00-0133 EA 3" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 17643).....	1,143.29	50.33



<b>Fire Suppression</b>	<b>21</b>	
<b>Fire-Extinguishing Systems</b>	<b>21 20</b>	<b>12</b>
<b>Wet-Chemical Fire-Extinguishing Systems</b>	<b>21 23</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>21 23 16 00-0134</b> <b>Nozzles, Kitchen Fire Suppression Systems</b> <small>(21 23 16 00-0100)</small>		
21 23 16 00-0135    EA    Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem).....	50.41	4.82
21 23 16 00-0136    EA    Swivel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem) .....	71.62	6.13
21 23 16 00-0137    EA    Stainless Steel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem) .....	277.34	6.13
<b>21 23 16 00-0138</b> <b>Actuating Cylinders/Cartridges, Kitchen Fire Suppression Systems</b> <small>(21 23 16 00-0100)</small>		
21 23 16 00-0139    EA    Carbon Dioxide Actuation Cartridge, Kitchen Fire Suppression Systems (Pyro-Chem 551059).....	18.60	1.89
21 23 16 00-0140    EA    PAC-10, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550104) .....	609.50	61.21
21 23 16 00-0141    EA    PAC-200, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550690) .....	776.65	78.29
<b>21 23 16 00-0142</b> <b>Circuit Monitors, Kitchen Fire Suppression Systems</b> <small>(21 23 16 00-0100)</small>		
21 23 16 00-0143    EA    24 Volt DC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550303).....	398.43	40.09
21 23 16 00-0144    EA    120 Volt AC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550302).....	480.75	48.30
<b>21 23 16 00-0145</b> <b>Control Heads, Kitchen Fire Suppression Systems</b> <small>(21 23 16 00-0100)</small>		
21 23 16 00-0146    EA    Mechanical Control Head, No Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551203).....	439.59	44.20
21 23 16 00-0147    EA    Mechanical Control Head With Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551200) .....	458.80	46.22
21 23 16 00-0148    EA    24 Volt DC, Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551201) .....	597.63	60.11
21 23 16 00-0149    EA    120 Volt AC Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551202).....	685.58	69.10
21 23 16 00-0150    EA    Control Head Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550853).....	55.68	5.61
<b>21 23 16 00-0151</b> <b>Corner Pulleys/Tees, Kitchen Fire Suppression Systems</b> <small>(21 23 16 00-0100)</small>		
21 23 16 00-0152    EA    Set Screw Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 415670).....	13.95	0.92
21 23 16 00-0153    EA    Compression Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 423250) .....	14.36	1.17
21 23 16 00-0154    EA    Tee Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550166).....	44.64	4.50
21 23 16 00-0155    EA    Replacement Screw For Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550272).....	0.56	
<b>21 23 16 00-0156</b> <b>Switches, Kitchen Fire Suppression Systems</b> <small>(21 23 16 00-0100)</small>		
21 23 16 00-0157    EA    SPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550227).....	48.56	4.89
21 23 16 00-0158    EA    DPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550237) .....	97.26	9.71
21 23 16 00-0159    EA    Four Pole Double Throw Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550978) .....	205.84	20.60
<b>21 23 16 00-0160</b> <b>Wire Rope/Accessories, Kitchen Fire Suppression Systems</b> <small>(21 23 16 00-0100)</small>		
21 23 16 00-0161    LF    1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 15821) .....	0.99	0.19
21 23 16 00-0162    EA    Crimps For 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 550122).....	0.58	0.19
21 23 16 00-0163    EA    High Temperature Stainless Steel Crimps, Kitchen Fire Suppression Systems (Pyro-Chem 551551).....	2.41	0.26
21 23 16 00-0164    EA    "S" Hooks, Kitchen Fire Suppression Systems (Pyro-Chem 550121).....	0.41	
<b>21 23 16 00-0165</b> <b>Replacement Parts, Kitchen Fire Suppression Systems</b> <small>(21 23 16 00-0100)</small>		
21 23 16 00-0166    EA    Wet Valve Rebuilding Kit, Kitchen Fire Suppression Systems (Pyro-Chem 550698) .....	46.14	4.69
21 23 16 00-0167    EA    Wet Valve Cap With Schrader Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550831) .....	48.16	4.89
21 23 16 00-0168    EA    Wet Spring, Kitchen Fire Suppression Systems (Pyro-Chem 550705) .....	5.64	0.58
21 23 16 00-0169    EA    225 psi, Wet Gage, Kitchen Fire Suppression Systems (Pyro-Chem 551236) .....	66.25	6.39
21 23 16 00-0170    EA    Wet Valve O-ring, Kitchen Fire Suppression Systems (Pyro-Chem 550716).....	9.29	0.92
21 23 16 00-0171    EA    Wet Piston, Kitchen Fire Suppression Systems (Pyro-Chem 550707) .....	12.92	1.30
21 23 16 00-0172    EA    Wet Piston O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 550715) .....	5.64	0.58
21 23 16 00-0173    EA    Wet Nozzle Cap, Kitchen Fire Suppression Systems (Pyro-Chem 551528) .....	7.95	0.79
21 23 16 00-0174    EA    Wet Nozzle Strainer, Kitchen Fire Suppression Systems (Pyro-Chem 551529) .....	7.77	0.79
21 23 16 00-0175    EA    Wet Nozzle Cap O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 551530).....	2.22	0.19
21 23 16 00-0176    EA    Replacement Teflon Washer For Control Head Actuator, Kitchen Fire Suppression Systems (Pyro-Chem 550257).....	3.76	
21 23 16 00-0177    EA    O-Ring Lubrication, Kitchen Fire Suppression Systems (Pyro-Chem 550063) .....	71.95	
21 23 16 00-0178    EA    3.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 551024) .....	490.51	
21 23 16 00-0179    EA    4.6 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550902) .....	636.59	
21 23 16 00-0180    EA    6.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550901) .....	735.14	
<b>21 23 16 00-0181</b> <b>Accessories, Kitchen Fire Suppression Systems</b> <small>(21 23 16 00-0100)</small>		
21 23 16 00-0182    EA    3/8" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550857) .....	22.60	2.22
21 23 16 00-0183    EA    1/2" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550859) .....	23.40	2.35
21 23 16 00-0184    EA    Wet Valve Tool, Kitchen Fire Suppression Systems (Pyro-Chem 550788) .....	45.06	4.50
21 23 16 00-0185    EA    Recharge Adapter Kit, Kitchen Fire Suppression Systems (Pyro-Chem 551240).....	63.78	
21 23 16 00-0186    EA    3.0 Gallon Of Wet Chemical For Recharge, Kitchen Fire Suppression Systems (Pyro-Chem 551188).....	137.09	
<b>21 23 16 00-0187</b> <b>Pull Stations/Accessories, Kitchen Fire Suppression Systems</b> <small>(21 23 16 00-0100)</small>		
21 23 16 00-0188    EA    Mechanical, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551074) .....	91.05	9.20
21 23 16 00-0189    EA    Electric, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551166) .....	97.18	12.91
21 23 16 00-0190    EA    Trim Ring For Flush Mounting Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 550088).....	24.35	2.41

**21 Fire Suppression****21 20 Fire-Extinguishing Systems****21 23 Wet-Chemical Fire-Extinguishing Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0191	EA		Glass Rods For Pull Stations, Kitchen Fire Suppression Systems (Pyro-Chem 428661) .....	3.23	0.85

**21 23 16 00-0192 Asco Gas Valve Control Panels** (21 23 16)

21 23 16 00-0193	EA		Relay Control Panel For AC Solenoid Valves (Asco 108D90C) .....	1,434.72	143.41
21 23 16 00-0194	EA		Relay Control Panel For DC Solenoid Valves (Asco 108D10C) .....	1,482.38	143.41
21 23 16 00-0195	EA		Master Control Station For Relay Control Panel For DC Solenoid Valves (Asco 216C89) .....	482.05	32.59
21 23 16 00-0196	EA		Emergency Stop Station For Relay Control Panel (Asco 173A19) .....	450.92	32.59

**21 24 Dry-Chemical Fire-Extinguishing Systems** (21 24)**21 24 16 Dry-Chemical Fire-Extinguishing Equipment** (21 24)**21 24 16 00-0001 Amerex KP Restaurant Fire Suppression Systems** (21 24 16)

Note: Amerex or equal.

21 24 16 00-0002	EA		Agent Cylinder Assembly 3.75 Gallon (With Discharge Valve) Charged .....	395.16	50.59
21 24 16 00-0003	EA		Agent Cylinder Assembly 6 Gallon (With Discharge Valve) Charged .....	552.14	63.79
21 24 16 00-0004	EA		Recharge - KP Liquid Agent (3.75 Gallon) .....	131.13	
21 24 16 00-0005	EA		Recharge - KP Liquid Agent (6 Gallon) .....	230.51	
21 24 16 00-0006	EA		Bracket Assembly Agent Cylinder 3.75 Gallon (With Distribution Hose Assembly And Distribution Outlet) .....	91.79	10.62
21 24 16 00-0007	EA		Bracket Assembly Agent Cylinder 6 Gallon .....	53.47	6.16
21 24 16 00-0008	EA		Discharge Adapter Kit 3/4 NPT - Agent Cylinder 6 Gallon .....	23.19	
21 24 16 00-0009	EA		Pneumatic Actuator - Agent Cylinder 6 Gallon .....	91.79	10.62
21 24 16 00-0010	EA		Actuator - MRM (Less N2 Cylinder And Enclosure) .....	230.51	26.63
21 24 16 00-0011	EA		Enclosure - MRM, Painted Steel .....	122.85	14.16
21 24 16 00-0012	EA		Enclosure - MRM, Stainless Steel .....	150.45	14.16
21 24 16 00-0013	EA		Cabinet, Stainless Steel (Single Cylinder System) .....	365.79	42.28
21 24 16 00-0014	EA		Actuation Hose - (N2 - 1/4" x 16") .....	27.61	3.18
21 24 16 00-0015	EA		Cylinder, Nitrogen - 10 CU. In. (Use For 1-10 Agent Cylinders) .....	122.85	14.16
21 24 16 00-0016	EA		Vent Check .....	22.08	2.55
21 24 16 00-0017	EA		Detector .....	16.57	1.91
Note: Includes bracket, linkage and conduit fittings.					
21 24 16 00-0018	EA		Fusible Link - 280 To 450 Degree F .....	6.21	0.71
21 24 16 00-0019	EA		Test Link .....	1.91	
21 24 16 00-0020	EA		Corner Pulley .....	8.56	0.99
21 24 16 00-0021	EA		Cable, 1/16" - 500 Foot Spool .....	138.03	15.93
21 24 16 00-0022	EA		Pulley Tee .....	62.11	7.16
21 24 16 00-0023	EA		Manual Pull Station (Standard) .....	55.21	6.37
21 24 16 00-0024	EA		Adapter Kit - Manual Pull Station (Recess Standard Pull Station) .....	25.90	2.97
21 24 16 00-0025	EA		Manual Pull Station (Oversized) .....	61.56	7.08
21 24 16 00-0026	EA		Conduit Offset .....	12.29	1.42
21 24 16 00-0027	EA		Seal - 3/8" Pipe Thread (Quick-Seal) .....	16.92	1.99
21 24 16 00-0028	EA		Seal - 1/2" Pipe Thread (Quick-Seal) .....	13.80	1.63
21 24 16 00-0029	EA		3/8" Pipe Compression Seal .....	23.05	2.69
21 24 16 00-0030	EA		1/2" Pipe Compression Seal .....	23.05	2.69
21 24 16 00-0031	EA		Cap, Nozzle Blow-Off (Standard) .....	6.32	1.84
21 24 16 00-0032	EA		Cap, Nozzle Blow-Off (High Temperature) .....	15.35	1.84
21 24 16 00-0033	EA		Nozzle - Fryer, Griddle - 2 Flow Points Each .....	27.61	3.18
21 24 16 00-0034	EA		Nozzle - Appliance, Plenum - 1 Flow Points Each .....	27.61	3.18
21 24 16 00-0035	EA		Nozzle - Solid Fuel Charbroiler - 1 To 1-1/2 Flow Points Each .....	27.61	3.18
21 24 16 00-0036	EA		Nozzle - Upright Charbroiler - 1/2 Flow Points Each .....	27.61	3.18
21 24 16 00-0037	EA		Nozzle - Duct (Only) - 2 Flow Points Each .....	27.61	3.18
21 24 16 00-0038	EA		Nozzle - Four Burner Range - 2 Flow Points Each .....	39.70	4.61
21 24 16 00-0039	EA		Gas Valve - Mechanical - 3/4" Or 1" .....	221.17	18.77
21 24 16 00-0040	EA		Gas Valve - Mechanical - 1-1/4" Or 1-1/2" .....	259.39	27.26
21 24 16 00-0041	EA		Gas Valve - Mechanical - 2" .....	323.45	32.22
21 24 16 00-0042	EA		Manual Reset Relay (Required With Every Electric Gas Valve) .....	347.84	40.15
21 24 16 00-0043	EA		SPDT Microswitch With 18" Leads .....	18.30	2.13
21 24 16 00-0044	EA		Kit Gas Valve Actuator For Use With ASCO Mechanical Gas Valve .....	29.54	3.40
21 24 16 00-0045	EA		Gas Valve Trip Assembly .....	62.12	7.16

**21 24 16 00-0046 Range Guard Fire Suppression Systems** (21 24 16)

Note: Range Guard or equal.

21 24 16 00-0047	EA		1-1/4 Gallon Charged Cylinder With Valve .....	419.32	54.69
21 24 16 00-0048	EA		2-1/2 Gallon Charged Cylinder With Valve .....	523.42	68.26
21 24 16 00-0049	EA		4 Gallon Charged Cylinder With Valve .....	646.20	84.29
21 24 16 00-0050	EA		6 Gallon Charged Cylinder With Valve .....	767.53	100.06
21 24 16 00-0051	EA		Vent Plug .....	17.61	2.28
21 24 16 00-0052	EA		Discharge Adapter Kit .....	22.69	
21 24 16 00-0053	EA		1-1/4 Gallon Wall Bracket .....	46.67	6.06
21 24 16 00-0054	EA		2-1/2 Gallon Wall Bracket .....	49.41	6.45
21 24 16 00-0055	EA		4 Gallon Wall Bracket .....	93.28	12.19
21 24 16 00-0056	EA		6 Gallon Wall Bracket .....	103.39	13.49
21 24 16 00-0057	EA		Mechanical Control Head, No Microswitch .....	364.74	47.58
21 24 16 00-0058	EA		Mechanical Control Head, 1 Microswitch .....	380.54	49.61
21 24 16 00-0059	EA		Mechanical Control Head, 2 Microswitches .....	436.54	56.91
21 24 16 00-0060	EA		Tandem Control Head .....	331.72	43.29
21 24 16 00-0061	EA		Electric Control Head, 120 Volt AC / 24 Volt DC .....	561.47	73.21
21 24 16 00-0062	EA		Mechanical Control Box .....	249.86	32.59



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0063 EA Tandem Control Box.....	249.86	32.59
21 24 16 00-0064 EA Mechanical Control Box Adapter.....	73.24	9.58
21 24 16 00-0065 EA A+ Control head With 1 Pressure Operated Actuator.....	220.08	28.68
21 24 16 00-0066 EA Pressure Operated Actuator.....	90.47	11.80
21 24 16 00-0067 EA BMCS-1 Nitrogen Cylinder.....	146.47	19.10
21 24 16 00-0068 EA BMCS-1 Actuator Assembly.....	149.34	19.49
21 24 16 00-0069 EA BMCS-1 Mounting Bracket.....	36.62	4.76
21 24 16 00-0070 EA BMCS-7 Nitrogen Cylinder.....	422.63	55.09
21 24 16 00-0071 EA BMCS-7 Mounting Bracket.....	90.47	11.80
21 24 16 00-0072 EA BMCS-7 Discharge Adapter Kit.....	90.47	11.80
21 24 16 00-0073 EA Check Valve.....	75.19	14.02
21 24 16 00-0074 EA Vent Check For Use With BMCS Systems.....	40.92	5.34
21 24 16 00-0075 EA Check Valve, (Schrader Flare Fitting) For Pressure Operated Actuator.....	17.81	2.32
21 24 16 00-0076 EA Replacement Receiver Gasket For BMCS-Actuator Assembly.....	4.69	
21 24 16 00-0077 EA Pneumatic Control Head For Slave Cylinders.....	93.34	12.19
21 24 16 00-0078 EA Nozzles; ADP, F, R And GRW.....	42.79	5.61
21 24 16 00-0079 EA Nozzles; DM And LPF.....	47.67	6.19
21 24 16 00-0080 EA Swivel Adapter.....	30.16	3.91
21 24 16 00-0081 EA Corner Pulley.....	12.92	1.69
21 24 16 00-0082 LF 1/16" Stainless Steel Cable.....	0.55	0.19
21 24 16 00-0083 EA Cable Crimp Sleeve.....	0.68	0.19
21 24 16 00-0084 EA "S" Hook.....	0.54	0.13
21 24 16 00-0085 EA Electrical Metallic Tubing (EMT) Adapter, 1/2" Electrical Metallic Tubing (EMT) x 3/8" NPT.....	44.51	5.80
21 24 16 00-0086 EA Cable Clamp.....	3.97	0.52
21 24 16 00-0087 EA Nico Sleeves - 1/16" Cable.....	0.54	0.13
21 24 16 00-0088 EA 3/8" Cable Anchor.....	47.02	6.13
21 24 16 00-0089 EA 1/2" Cable Anchor.....	47.02	6.13
21 24 16 00-0090 EA Mechanical Remote Manual Release (Pull Cable).....	76.07	9.91
21 24 16 00-0091 EA Tee Pulley, Use For Mechanical Pull And Gas Valve.....	81.19	10.56
21 24 16 00-0092 EA Surface Remote Manual Release, End-of-line.....	95.11	12.38
21 24 16 00-0093 EA Surface Remote Manual Release, In line Conservation Kit.....	29.80	3.91
21 24 16 00-0094 EA Surface Remote Manual Release, In line And End Of Line.....	124.87	16.23
21 24 16 00-0095 EA Recessed Remote Manual Release, End-of-line.....	95.11	12.38
21 24 16 00-0096 EA Recessed Remote Manual Release, In Line Kit.....	113.38	14.80
21 24 16 00-0097 EA Pulley Tee, Remote In Line Only.....	20.37	2.67
21 24 16 00-0098 EA Fusible Link Housing Kit With 1 - Bracket, 2 - 1/2" Electrical Metallic Tubing (EMT) Connector, 1 - "S" Hook, 8 - Cable Crimp Sleeve.....	22.63	2.93
21 24 16 00-0099 EA Fusible Link 165F To 360F.....	7.42	0.98
21 24 16 00-0100 EA Fusible Link 500F.....	11.82	0.98
21 24 16 00-0101 EA Standard Detector With 1 - 360F link, 2 - "S" Hooks, 2 - Crimp Sleeves.....	22.63	2.93
21 24 16 00-0102 EA Standard Detector Kit With 1 - Large Bracket, 2 - "S" Hooks, 2 - Cable Crimp Sleeve.....	16.53	2.93
21 24 16 00-0103 EA Quartzoid Link 400 F.....	122.00	15.90
21 24 16 00-0104 EA Quartzoid Link 500 F.....	122.00	15.90
21 24 16 00-0105 EA SPDT Micro Switch For Use With A Plus Control Box.....	43.72	5.67
21 24 16 00-0106 EA DPDT Micro Switch For Use With A Plus Control Box.....	76.07	9.91
21 24 16 00-0107 EA SPDT Micro Switch For Use With A Mechanical Control Box.....	45.22	5.87
21 24 16 00-0108 EA DPDT Micro Switch For Use With A Mechanical Control Box.....	78.36	10.23
21 24 16 00-0109 EA SPDT Micro Switch For Use With PRCB.....	57.41	7.49
21 24 16 00-0110 EA DPDT Micro Switch For Use With PRCB.....	82.82	10.76
21 24 16 00-0111 EA Pressure Switch, SPDT (Fire Dept. Tie In).....	242.56	31.61
21 24 16 00-0112 EA Circuit Monitor 12 Or 24 Volt DC.....	109.08	14.21
21 24 16 00-0113 EA Circuit Monitor 120 Volt AC.....	109.08	14.21
21 24 16 00-0114 EA Electric Manual Pull Station.....	79.65	10.37
21 24 16 00-0115 EA 6", 24 Volt DC, Motor Bell.....	44.50	5.80
21 24 16 00-0116 EA 10", 115 Volt AC Motor Bell.....	63.16	8.22
21 24 16 00-0117 EA Fuse, 1.2 For ECH.....	5.11	0.66
21 24 16 00-0118 EA Indicator Lamp 12 Or 24 Volt DC.....	22.63	2.93
21 24 16 00-0119 EA Indicator Lamp 120 Volt AC.....	22.63	2.93
21 24 16 00-0120 EA B-10 Manual Station Dual Action, SPDT.....	83.25	10.82
21 24 16 00-0121 EA B-11 Manual Station Dual Action, DPDT.....	91.86	12.00
21 24 16 00-0122 EA Break Rods For B10/B11 Manual Pull Station.....	2.34	0.85
21 24 16 00-0123 EA Spare Key For B10/B11 Manual Stations.....	11.48	1.50
21 24 16 00-0124 EA MT-24-LSM-VAR Multitone Signal With 15/75cd Strobe, 24 Volt, Flush Grill.....	123.44	16.10
21 24 16 00-0125 EA Suppression Abort Station.....	130.61	17.01
21 24 16 00-0126 EA Suppression Abort Station With Surface Mount Back Box.....	152.14	19.81
21 24 16 00-0127 EA Surface Mount Back Box.....	50.23	6.51
21 24 16 00-0128 EA Single Hazard Control Unit, 120 Volt AC IP.....	932.93	121.45
21 24 16 00-0129 EA Single Hazard Control Unit, 240 Volt AC IP.....	932.93	121.45
21 24 16 00-0130 EA 1 Lead Acid Battery; 24 Volt DC, 1.2 A.H.....	77.51	10.10
21 24 16 00-0131 EA Accessory Kit - End-of-line Resistors (10K Ohms, 1/2 W).....	2.97	0.45
21 24 16 00-0132 EA Spare Scorpio Circuit Board.....	674.54	
21 24 16 00-0133 EA Extra Scorpio Key.....	11.47	
21 24 16 00-0134 EA Extra Scorpio Manual.....	7.18	
21 24 16 00-0135 EA Compression Seal Adapter 3/8" Pipe.....	19.52	2.54
21 24 16 00-0136 EA Compression Seal Adapter 1/2" Tubing/ 1/4" Pipe.....	21.19	2.74
21 24 16 00-0137 EA Compression Seal Adapter 5/8" Tubing/ 3/8" Pipe.....	25.50	3.33
21 24 16 00-0138 EA Compression Seal Adapter 3/4" Tubing/ 1/2" Pipe.....	27.27	3.52
21 24 16 00-0139 EA Quik Seal Adapter 3/8" NPT Female.....	21.19	2.74
21 24 16 00-0140 EA Quik Seal Adapter 1/2" NPT Female.....	21.19	2.74
21 24 16 00-0141 EA Quik Seal Adapter 3/4" NPT Female.....	36.26	4.76
21 24 16 00-0142 EA Quik Seal Adapter 1" NPT Female.....	48.07	6.26



**21 Fire Suppression****21 20 Fire-Extinguishing Systems****21 24 Dry-Chemical Fire-Extinguishing Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

21 24 16 00-0143	EA	Quik Patch (Up To 1-1/8" Diameter)	21.19	2.74
21 24 16 00-0144	EA	1-1/4 Gallon Karbaloy Charge	47.16	
21 24 16 00-0145	EA	2-1/2 Gallon Karbaloy Charge	81.09	
21 24 16 00-0146	EA	4 Gallon Karbaloy Charge	122.56	
21 24 16 00-0147	EA	6 Gallon Karbaloy Charge	179.34	
21 24 16 00-0148	EA	Inlet Flushing Adapter	35.17	4.57
21 24 16 00-0149	EA	1/2" Flushing Adapter (Outlet)	35.17	4.57
21 24 16 00-0150	EA	1/8" Flushing Adapter (Outlet)	35.17	4.57
21 24 16 00-0151	EA	1/4" Flushing Adapter (Outlet)	35.17	4.57
21 24 16 00-0152	EA	3/8" Flushing Adapter (Outlet)	35.17	4.57
21 24 16 00-0153	EA	Recharge Adapter (Old Style Cylinder Valve Assembly Only)	48.80	
21 24 16 00-0154	EA	Instruction Label (In Case Of Fire) - MCB	3.88	
21 24 16 00-0155	EA	Caution Sign (Turn On Fan)	4.68	
21 24 16 00-0156	EA	Inspection Label (Authorized installers only)	3.25	
21 24 16 00-0157	EA	Label, Warning, A+ Control Box	2.29	
21 24 16 00-0158	EA	Wet Chemical System Kits, RG-1.25G Kit; #23315	617.13	80.38
21 24 16 00-0159	EA	Wet Chemical System Kits, RG-2.5G Kit; #23316	720.48	93.81
21 24 16 00-0160	EA	Wet Chemical System Kits, RG-4GS Kit; #23317	897.03	116.82
21 24 16 00-0161	EA	Wet Chemical System Kits, RG-4GT Kit; #23318	897.03	116.82
21 24 16 00-0162	EA	Wet Chemical System Kits, RG-6G Kit; #23319	1,128.08	146.87
21 24 16 00-0163	EA	Wet Chemical System Kits, RG Mechanical Control HD (MCH) Kit; #23320	534.61	69.62
21 24 16 00-0164	EA	Wet Chemical System Kits, RG Mechanical Control Box (MCB) Kit; #23321	502.31	65.38
21 24 16 00-0165	EA	Wet Chemical System Kits, A Plus Control Box Kit; #23322	406.16	52.87
21 24 16 00-0166	EA	Wet Chemical System Kits, Valve Rebuild Kit; #23210	703.25	91.59
21 24 16 00-0167	EA	Wet Chemical System Kits, BMCS-1 Package; #23208	644.39	83.90

**21 30 Fire Pumps** <sup>(21)</sup>**21 31 Centrifugal Fire Pumps** <sup>(21 30)</sup>**21 31 13 Electric-Drive, Centrifugal Fire Pumps** <sup>(21 31)</sup>**21 31 13 00-0001 Electric-Drive Fire Pumps** <sup>(21 31 13)</sup>

Note: Includes fire pump, motor, motor starter, alarm panel, automatic transfer switch, and controller.

21 31 13 00-0002	EA	20 HP Electric Fire Pump	33,808.64	1,235.59
		<i>For Duplex Pumping System, Add</i>	<i>32,573.05</i>	
21 31 13 00-0003	EA	30 HP Electric Fire Pump	39,459.39	1,390.04
		<i>For Duplex Pumping System, Add</i>	<i>38,172.32</i>	
21 31 13 00-0004	EA	40 HP Electric Fire Pump	53,839.76	1,544.49
		<i>For Duplex Pumping System, Add</i>	<i>52,409.68</i>	
21 31 13 00-0005	EA	50 HP Electric Fire Pump	66,366.99	1,696.10
		<i>For Duplex Pumping System, Add</i>	<i>64,670.90</i>	
21 31 13 00-0006	EA	75 HP Electric Fire Pump	74,097.41	1,850.29
		<i>For Duplex Pumping System, Add</i>	<i>72,247.12</i>	

**21 31 16 Diesel-Drive, Centrifugal Fire Pumps** <sup>(21 31)</sup>**21 31 16 00-0001 Diesel-Drive Fire Pumps** <sup>(21 31 16)</sup>

Note: Pumps shall be stand alone units meeting NFPA-20 specs. Includes fire pump, motor, motor starter, alarm panel, and controller.

21 31 16 00-0002	EA	30 HP Diesel Driven Fire Pump, NFPA-20 Specific	49,792.09	1,387.72
21 31 16 00-0003	EA	40 HP Diesel Driven Fire Pump, NFPA-20 Specific	56,333.63	1,541.91
21 31 16 00-0004	EA	50 HP Diesel Driven Fire Pump, NFPA-20 Specific	59,169.31	1,696.10
21 31 16 00-0005	EA	75 HP Diesel Driven Fire Pump, NFPA-20 Specific	67,355.83	1,850.29
21 31 16 00-0006	EA	150 HP Diesel Driven Fire Pump, NFPA-20 Specific	71,439.00	2,158.67
21 31 16 00-0007	EA	175 HP Diesel Driven Fire Pump, NFPA-20 Specific	76,769.12	2,775.44
21 31 16 00-0008	EA	200 HP Diesel Driven Fire Pump, NFPA-20 Specific	83,310.23	3,083.81
21 31 16 00-0009	EA	250 HP Diesel Driven Fire Pump, NFPA-20 Specific	95,266.16	3,515.55
21 31 16 00-0010	EA	300 HP Diesel Driven Fire Pump, NFPA-20 Specific	114,224.56	3,793.09
21 31 16 00-0011	EA	350 HP Diesel Driven Fire Pump, NFPA-20 Specific	134,054.30	4,317.34
21 31 16 00-0012	EA	400 HP Diesel Driven Fire Pump, NFPA-20 Specific	159,250.94	4,625.72
21 31 16 00-0013	EA	500 HP Diesel Driven Fire Pump, NFPA-20 Specific	179,405.46	4,934.10

**21 34 Fire Pump Accessories** <sup>(21 30)</sup>**21 34 13 Pressure Maintenance Pumps** <sup>(21 34)</sup>**21 34 13 00-0001 Jockey Pumps** <sup>(21 34 13)</sup>

Note: Includes pump and controller.

21 34 13 00-0002	EA	Jockey Pump And Controller	4,331.24	308.39
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**END OF SECTION 21**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 22 Plumbing

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

### 22 01 Operation and Maintenance of Plumbing<sup>(22)</sup>

#### 22 01 10 Operation And Maintenance Of Plumbing Piping And Pumps<sup>(22 01)</sup>

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

##### 22 01 10 61 Plumbing Piping Repairs<sup>(22 01 10)</sup>

##### 22 01 10 61-0001 Pipe Repair Clamps<sup>(22 01 10 61)</sup>

22 01 10 61-0002	EA	1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	25.86
		Note: Includes neoprene gasket	
22 01 10 61-0003	EA	3/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	26.94
		Note: Includes neoprene gasket	
22 01 10 61-0004	EA	1" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	29.62
		Note: Includes neoprene gasket	
22 01 10 61-0005	EA	1-1/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	31.61
		Note: Includes neoprene gasket	
22 01 10 61-0006	EA	1-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	34.24
		Note: Includes neoprene gasket	
22 01 10 61-0007	EA	2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	43.68
		Note: Includes neoprene gasket	
22 01 10 61-0008	EA	2-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	55.61
		Note: Includes neoprene gasket	
22 01 10 61-0009	EA	3" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	64.64
		Note: Includes neoprene gasket	
22 01 10 61-0010	EA	4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt	74.10
		Note: Includes neoprene gasket	
22 01 10 61-0011	EA	1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	40.82
		Note: Includes neoprene gasket	
22 01 10 61-0012	EA	3/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	43.05
		Note: Includes neoprene gasket	
22 01 10 61-0013	EA	1" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	47.65
		Note: Includes neoprene gasket	
22 01 10 61-0014	EA	1-1/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	52.38
		Note: Includes neoprene gasket	
22 01 10 61-0015	EA	1-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	57.75
		Note: Includes neoprene gasket	
22 01 10 61-0016	EA	2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	74.60
		Note: Includes neoprene gasket	
22 01 10 61-0017	EA	2-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	90.62
		Note: Includes neoprene gasket	
22 01 10 61-0018	EA	3" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	103.28
		Note: Includes neoprene gasket	
22 01 10 61-0019	EA	4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt	117.14
		Note: Includes neoprene gasket	
22 01 10 61-0020	EA	1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	57.99
		Note: Includes Buna rubber gasket	
22 01 10 61-0021	EA	3/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	60.36
		Note: Includes Buna rubber gasket	
22 01 10 61-0022	EA	1" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	66.71
		Note: Includes Buna rubber gasket	
22 01 10 61-0023	EA	1-1/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	73.16
		Note: Includes Buna rubber gasket	
22 01 10 61-0024	EA	1-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	82.62
		Note: Includes Buna rubber gasket	
22 01 10 61-0025	EA	2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	101.06
		Note: Includes Buna rubber gasket	
22 01 10 61-0026	EA	2-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	118.85
		Note: Includes Buna rubber gasket	
22 01 10 61-0027	EA	3" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	143.24
		Note: Includes Buna rubber gasket	
22 01 10 61-0028	EA	4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	176.38
		Note: Includes Buna rubber gasket	
22 01 10 61-0029	EA	5" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	180.94
		Note: Includes Buna rubber gasket	
22 01 10 61-0030	EA	6" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt	193.92
		Note: Includes Buna rubber gasket	

#### 22 01 40 Operation and Maintenance of Plumbing Fixtures<sup>(22 01)</sup>

##### 22 01 40 81 Plumbing Fixtures Replacement<sup>(22 01 40)</sup>

##### 22 01 40 81-0001 Fixture And/Or Trim Replacement<sup>(22 01 40 81)</sup>

Note: Includes removal of existing item(s) and installation of new item(s).

22 01 40 81-0002	EA	3/8" To 1/2" Compression Shut-off Valve Replacement With 15" Polybutylene Supply Tube	39.31
22 01 40 81-0003	EA	3/8" Compression x 1/2" FIP, Braided Stainless Steel, Supply Lines To Sink/Lavatory Replacement	14.81
22 01 40 81-0004	EA	Chrome Supply Lines To Sink/Lavatory Replacement, Pair	19.81
22 01 40 81-0005	EA	Single Bowl Sink/Lavatory Drain Line Replacement	26.89

**22 Plumbing****22 01 Operation and Maintenance of Plumbing****22 01 40 Operation and Maintenance of Plumbing Fixtures**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 01 40 81-0006	EA	Double Bowl Sink/Lavatory Drain Line Replacement.....	42.40	
22 01 40 81-0007	EA	Shower Head, Polished Chrome, Replacement.....	32.27	
22 01 40 81-0008	EA	Shower Arm Replacement.....	26.77	
22 01 40 81-0009	EA	Shower Head Replacement.....	32.38	
22 01 40 81-0010	EA	Shower Knob Replacement.....	24.73	
22 01 40 81-0011	EA	Shower and Tub Control Trim Replacement.....	68.53	
		Note: Excludes balancing valve.		
22 01 40 81-0012	EA	Sink Basket Strainer Replacement.....	18.67	
22 01 40 81-0013	EA	Sink Drain Without Stopper, 1-1/2" Replacement.....	10.05	
22 01 40 81-0014	EA	Sink Drain Without Stopper, 4-1/2" Replacement.....	10.55	
22 01 40 81-0015	EA	Sink Drain With Stopper, 1-1/2" Replacement.....	10.05	
22 01 40 81-0016	EA	1" Sink Rubber Stopper Replacement.....	6.28	
22 01 40 81-0017	EA	Sink Tailpiece Extension 1-1/2" x 8" Replacement.....	16.27	
22 01 40 81-0018	EA	Sink Trap, Adjustable, 1-1/2" Replacement.....	26.97	
22 01 40 81-0019	EA	Lavatory Pop-Up Rod Replacement.....	20.97	
22 01 40 81-0020	EA	Lavatory Pop-up Drain Stopper Replacement.....	21.25	
22 01 40 81-0021	EA	Faucet Handle Replacement.....	24.54	
22 01 40 81-0022	EA	Faucet O-Ring Replacement.....	17.27	
22 01 40 81-0023	EA	1-1/2" Faucet Hole Cover.....	12.16	
22 01 40 81-0024	EA	Toilet Ballcock Replacement.....	26.61	
22 01 40 81-0025	EA	Toilet Bowl Ring, Flat Wax, Replacement.....	5.00	
		Note: Excludes removal of toilet.		
22 01 40 81-0026	EA	Toilet Tank Replacement.....	113.73	
22 01 40 81-0027	EA	Toilet Bowl, 10" Replacement.....	132.43	
22 01 40 81-0028	EA	Toilet Bowl, 10", Low-Flush Watersaver, Replacement.....	145.99	
22 01 40 81-0029	EA	Toilet Bowl, 12", Replacement.....	159.08	
22 01 40 81-0030	EA	Toilet Bowl, Elongated, 18", Replacement.....	136.99	
22 01 40 81-0031	EA	Toilet Closet Bolt, 5/16" x 3" With Nuts And Washers Replacement.....	14.69	
22 01 40 81-0032	EA	Toilet Flapper With Chain Replacement.....	12.77	
22 01 40 81-0033	EA	Toilet Flush Tank Lever Replacement.....	13.10	
22 01 40 81-0034	EA	Elongated Toilet Seat With Lid Replacement.....	83.10	
22 01 40 81-0035	EA	Elongated Toilet Seat Without Lid Replacement.....	69.08	
22 01 40 81-0036	EA	Handicap Toilet Seat Replacement, Complete With Rails.....	121.76	
22 01 40 81-0037	EA	Diverter Tub Spout Replacement.....	40.17	
22 01 40 81-0038	EA	Tub Spout Replacement.....	27.69	
22 01 40 81-0039	EA	2" Tub Stopper, Replacement.....	7.16	
22 01 40 81-0040	EA	Tub Waste/Overflow Replacement.....	52.81	
22 01 40 81-0041	EA	Tub Stem Bonnet Assembly Replacement.....	24.48	
22 01 40 81-0042	EA	Faucet Bonnet Replacement.....	28.18	
22 01 40 81-0043	EA	Faucet Diverter Stem Replacement.....	17.23	
22 01 40 81-0044	EA	Faucet Diverter Stem And Bonnet Replacement.....	23.46	
22 01 40 81-0045	EA	Faucet Spout Replacement.....	27.93	
22 01 40 81-0046	EA	Faucet Stem Replacement.....	19.91	
22 01 40 81-0047	EA	Chrome Plated Plastic Drinking Fountain Bubbler Valve With Flexible Bubbler Guard Replacement.....	144.27	
22 01 40 81-0048	EA	Chrome Plated Brass Drinking Fountain Bubbler Valve Replacement.....	182.51	
22 01 40 81-0049	EA	Stainless Steel (Lead Free) Drinking Fountain Pushbutton Bubbler Valve Replacement.....	109.12	

**22 05 Common Work Results for Plumbing** <sup>(22)</sup>**22 05 13 Common Motor Requirements For Plumbing Equipment** <sup>(22 05)</sup>

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

**22 05 16 Expansion Fittings And Loops For Plumbing Piping** <sup>(22 05)</sup>

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

**22 05 17 Sleeves and Sleeve Seals for Plumbing Piping** <sup>(22 05)</sup>

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

**22 05 19 Meters And Gages For Plumbing Piping** <sup>(22 05)</sup>

See CSI section 23 05 19 00-0000 for gages, 33 19 11 00-0000 for water utility service metering.

**22 05 23 General-Duty Valves For Plumbing Piping** <sup>(22 05)</sup>

See CSI section 23 05 23 00-0000 for valves.

**22 05 29 Hangers And Supports For Plumbing Piping And Equipment** <sup>(22 05)</sup>

See CSI section 23 05 29 00-0000 for hangers and supports.

**22 05 33 Heat Tracing For Plumbing Piping** <sup>(22 05)</sup>

See CSI section 23 83 13 00-0000 for heat tracing cables.

**22 05 48 Vibration And Seismic Controls For Plumbing Piping And Equipment** <sup>(22 05)</sup>**22 05 48 13 Vibration Controls For Plumbing Piping And Equipment** <sup>(22 05 48)</sup>

See CSI section 23 05 48 13-0000 for vibration and seismic control.

**22 05 53 Identification For Plumbing Piping And Equipment** <sup>(22 05)</sup>

See CSI section 23 05 53 00-0000 for identification.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**22 05 76 Facility Drainage Piping Cleanouts** (22 05)

22 05 76 00-0001 Cast Iron Cleanout With Plug And Cover (22 05 76)

Note: For floor installation.

22 05 76 00-0002 Cast Iron Cleanout With Plug And Round Or Square Cover (22 05 76 00-0001)

22 05 76 00-0003	EA 2" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	504.28		37.67
	For Vandal Proof, Add	19.50		
	For Galvanized Ferrule, Add	45.00		
	For Carpet Marker, Add	16.00		
	For Carpet Flange, Add	58.50		
	For Wide Flange, Add	97.00		
	For Satin Bronze Top, Deduct	-24.00		
22 05 76 00-0004	EA 3" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	541.18		47.23
	For Vandal Proof, Add	19.50		
	For Galvanized Ferrule, Add	45.00		
	For Carpet Marker, Add	16.00		
	For Carpet Flange, Add	58.50		
	For Wide Flange, Add	97.00		
	For Satin Bronze Top, Deduct	-24.00		
22 05 76 00-0005	EA 4" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	676.80		57.07
	For Vandal Proof, Add	19.50		
	For Galvanized Ferrule, Add	45.00		
	For Carpet Marker, Add	16.00		
	For Carpet Flange, Add	58.50		
	For Wide Flange, Add	97.00		
	For Satin Bronze Top, Deduct	-24.00		
22 05 76 00-0006	EA 5" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	981.77		63.87
	For Vandal Proof, Add	19.50		
	For Galvanized Ferrule, Add	45.00		
	For Carpet Marker, Add	16.00		
	For Carpet Flange, Add	58.50		
	For Wide Flange, Add	97.00		
	For Satin Bronze Top, Deduct	-24.00		
22 05 76 00-0007	EA 6" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,213.87		69.18
	For Vandal Proof, Add	19.50		
	For Galvanized Ferrule, Add	45.00		
	For Carpet Marker, Add	16.00		
	For Carpet Flange, Add	58.50		
	For Wide Flange, Add	97.00		
	For Satin Bronze Top, Deduct	-24.00		

22 05 76 00-0008 Cast Iron Heavy Duty Cleanout With Plug And Round Cover (22 05 76 00-0001)

22 05 76 00-0009	EA 2" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	584.47		37.67
	For Vandal Proof, Add	19.50		
	For Galvanized Ferrule, Add	45.00		
	For Carpet Marker, Add	16.00		
	For Carpet Flange, Add	58.50		
	For Wide Flange, Add	97.00		
	For Satin Bronze Top, Deduct	-24.00		
22 05 76 00-0010	EA 3" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	622.59		47.16
	For Vandal Proof, Add	19.50		
	For Galvanized Ferrule, Add	45.00		
	For Carpet Marker, Add	16.00		
	For Carpet Flange, Add	58.50		
	For Wide Flange, Add	97.00		
	For Satin Bronze Top, Deduct	-24.00		
22 05 76 00-0011	EA 4" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	758.26		57.07
	For Vandal Proof, Add	19.50		
	For Galvanized Ferrule, Add	45.00		
	For Carpet Marker, Add	16.00		
	For Carpet Flange, Add	58.50		
	For Wide Flange, Add	97.00		
	For Satin Bronze Top, Deduct	-24.00		
22 05 76 00-0012	EA 5" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,063.26		63.87
	For Vandal Proof, Add	19.50		
	For Galvanized Ferrule, Add	45.00		
	For Carpet Marker, Add	16.00		
	For Carpet Flange, Add	58.50		
	For Wide Flange, Add	97.00		
	For Satin Bronze Top, Deduct	-24.00		
22 05 76 00-0013	EA 6" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,295.31		69.18
	For Vandal Proof, Add	19.50		
	For Galvanized Ferrule, Add	45.00		
	For Carpet Marker, Add	16.00		
	For Carpet Flange, Add	58.50		
	For Wide Flange, Add	97.00		
	For Satin Bronze Top, Deduct	-24.00		

22 05 76 00-0014 Wall Cover For Cleanout (22 05 76)

Note: Cover and screw only.

22 05 76 00-0015 Round Access Cover, Bronze Polished Top (22 05 76 00-0014)

Note: Cover and screw only.

**22 Plumbing****22 05 Common Work Results for Plumbing****22 05 76 Facility Drainage Piping Cleanouts**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0016	EA		4-1/4" Diameter Wall Cover For Cleanout, Screwed .....	71.97	11.82
			<i>For Stainless Steel, Add</i>	9.00	
			<i>For Vandal Proof Screws, Add</i>	19.50	
22 05 76 00-0017	EA		5-1/2" Diameter Wall Cover For Cleanout, Screwed .....	76.69	14.16
			<i>For Stainless Steel, Add</i>	9.00	
			<i>For Vandal Proof Screws, Add</i>	19.50	
22 05 76 00-0018	EA		7" Diameter Wall Cover For Cleanout, Screwed .....	99.33	15.93
			<i>For Stainless Steel, Add</i>	9.00	
			<i>For Vandal Proof Screws, Add</i>	19.50	
22 05 76 00-0019	EA		9-1/4" Diameter Wall Cover For Cleanout, Screwed .....	174.14	17.71
			<i>For Stainless Steel, Add</i>	9.00	
			<i>For Vandal Proof Screws, Add</i>	19.50	
22 05 76 00-0020	EA		11-1/4" Diameter Wall Cover For Cleanout, Screwed .....	266.78	19.47
			<i>For Stainless Steel, Add</i>	9.00	
			<i>For Vandal Proof Screws, Add</i>	19.50	
<b>22 05 76 00-0021</b>			<b>Square Wall Access Panel, Bronze Polished Top</b> <small>(22 05 76 00-0014)</small>		
			Note: Cover and screw only.		
22 05 76 00-0022	EA		7" x 7" Bronze Wall Or Floor Access Cover .....	409.75	11.82
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0023	EA		9" x 9" Bronze Wall Or Floor Access Cover .....	593.28	12.40
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0024	EA		10" x 10" Bronze Wall Or Floor Access Cover .....	634.04	13.10
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0025	EA		14" x 14" Bronze Wall Or Floor Access Cover .....	709.08	14.87
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
<b>22 05 76 00-0026</b>			<b>Secured Square Wall Access Panel, Bronze Polished Top</b> <small>(22 05 76 00-0014)</small>		
			Note: Cover and screw only.		
22 05 76 00-0027	EA		6" x 6" Bronze Secured Wall Access Panel .....	409.21	11.82
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0028	EA		8" x 8" Bronze Secured Wall Access Panel .....	592.49	12.40
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0029	EA		10" x 10" Bronze Secured Wall Access Panel .....	633.18	13.10
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0030	EA		12" x 12" Bronze Secured Wall Access Panel .....	708.14	14.87
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
<b>22 05 76 00-0031</b>			<b>Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated</b> <small>(22 05 76 00-0014)</small>		
			Note: Cover and screw only.		
22 05 76 00-0032	EA		6" x 6" Bronze Secured Hinged Access Panel, Scoriated .....	396.72	11.82
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0033	EA		8" x 8" Bronze Secured Hinged Access Panel, Scoriated .....	551.43	12.40
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0034	EA		10" x 10" Bronze Secured Hinged Access Panel, Scoriated .....	784.93	13.10
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0035	EA		12" x 12" Bronze Secured Hinged Access Panel, Scoriated .....	950.93	14.87
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
<b>22 05 76 00-0036</b>			<b>Cast Iron Cleanout Tee</b> <small>(22 05 76)</small>		
<b>22 05 76 00-0037</b>			<b>Cast Iron Cleanout Tee And Round Access Cover</b> <small>(22 05 76 00-0036)</small>		
			Note: Satin smooth secured cover.		
22 05 76 00-0038	EA		2" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover .....	360.07	37.67
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	88.80	
22 05 76 00-0039	EA		3" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover .....	408.78	47.16
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	88.80	
22 05 76 00-0040	EA		4" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover .....	536.58	57.07
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	88.80	
22 05 76 00-0041	EA		6" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover .....	1,324.48	69.18
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	88.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 05 76 00-0042</b> <b>Cast Iron Cleanout Tee And Square Access Cover</b> <small>(22 05 76 00-0036)</small>		
<i>Note: Satin smooth secured cover.</i>		
22 05 76 00-0043    EA    2" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	644.80	37.67
<i>For Vandal Proof Screws, Add</i>		
	19.50	
<i>For Galvanized Cast Iron Parts, Add</i>		
	88.80	
22 05 76 00-0044    EA    3" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	693.52	47.16
<i>For Vandal Proof Screws, Add</i>		
	19.50	
<i>For Galvanized Cast Iron Parts, Add</i>		
	88.80	
22 05 76 00-0045    EA    4" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	802.42	57.07
<i>For Vandal Proof Screws, Add</i>		
	19.50	
<i>For Galvanized Cast Iron Parts, Add</i>		
	88.80	
22 05 76 00-0046    EA    6" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	1,709.07	69.18
<i>For Vandal Proof Screws, Add</i>		
	19.50	
<i>For Galvanized Cast Iron Parts, Add</i>		
	88.80	
<b>22 05 76 00-0047</b> <b>Cast Iron Cleanout Tee With Brass Plug</b> <small>(22 05 76 00-0036)</small>		
22 05 76 00-0048    EA    2" Cleanout Tee With Cast Bronze Screw Plug .....	295.10	30.80
22 05 76 00-0049    EA    3" Cleanout Tee With Cast Bronze Screw Plug .....	330.45	33.63
22 05 76 00-0050    EA    4" Cleanout Tee With Cast Bronze Screw Plug .....	440.78	44.25
22 05 76 00-0051    EA    5" Cleanout Tee With Cast Bronze Screw Plug .....	671.65	52.40
22 05 76 00-0052    EA    6" Cleanout Tee With Cast Bronze Screw Plug .....	1,163.14	61.96
<b>22 05 76 00-0053</b> <b>Removable Cleanout Plug</b> <small>(22 05 76)</small>		
<b>22 05 76 00-0054</b> <b>Threaded Bronze Plugs</b> <small>(22 05 76 00-0053)</small>		
22 05 76 00-0055    EA    1-1/4", 1-1/2" Or 2" Threaded Bronze Plug.....	53.30	8.85
<i>For Plug Tapped For Center Screw, Add</i>		
	9.50	
22 05 76 00-0056    EA    2-1/2" Threaded Bronze Plug .....	64.41	9.63
<i>For Plug Tapped For Center Screw, Add</i>		
	9.50	
22 05 76 00-0057    EA    3" Threaded Bronze Plug.....	113.33	10.62
<i>For Plug Tapped For Center Screw, Add</i>		
	9.50	
22 05 76 00-0058    EA    3-1/2" Threaded Bronze Plug .....	126.57	12.40
<i>For Plug Tapped For Center Screw, Add</i>		
	9.50	
22 05 76 00-0059    EA    4" Threaded Bronze Plug.....	143.03	14.16
<i>For Plug Tapped For Center Screw, Add</i>		
	9.50	
22 05 76 00-0060    EA    5" Threaded Bronze Plug.....	203.10	15.93
<i>For Plug Tapped For Center Screw, Add</i>		
	9.50	
22 05 76 00-0061    EA    6" Threaded Bronze Plug.....	301.92	17.71
<i>For Plug Tapped For Center Screw, Add</i>		
	9.50	
22 05 76 00-0062    EA    8" Threaded Bronze Plug.....	515.34	19.47
<i>For Plug Tapped For Center Screw, Add</i>		
	9.50	
22 05 76 00-0063    EA    10" Threaded Bronze Plug.....	744.97	21.24
<i>For Plug Tapped For Center Screw, Add</i>		
	9.50	
<b>22 05 76 00-0064</b> <b>Threaded Brass Plugs</b> <small>(22 05 76 00-0053)</small>		
22 05 76 00-0065    EA    1-1/2" Threaded Brass Plug, Raised Head .....	33.24	8.85
<i>For Plug Tapped For Center Screw, Add</i>		
	9.50	
22 05 76 00-0066    EA    2" Threaded Brass Plug, Raised Head .....	35.94	8.85
<i>For Plug Tapped For Center Screw, Add</i>		
	9.50	
22 05 76 00-0067    EA    2-1/2" Threaded Brass Plug, Raised Head .....	40.48	9.62
<i>For Plug Tapped For Center Screw, Add</i>		
	9.50	
22 05 76 00-0068    EA    3" Threaded Brass Plug, Raised Head .....	48.47	10.62
<i>For Plug Tapped For Center Screw, Add</i>		
	9.50	
22 05 76 00-0069    EA    3-1/2" Threaded Brass Plug, Raised Head .....	59.32	12.40
<i>For Plug Tapped For Center Screw, Add</i>		
	9.50	
22 05 76 00-0070    EA    4" Threaded Brass Plug, Raised Head .....	75.11	14.16
<i>For Plug Tapped For Center Screw, Add</i>		
	9.50	
22 05 76 00-0071    EA    4-1/2" Threaded Brass Plug, Raised Head .....	82.90	14.92
<i>For Plug Tapped For Center Screw, Add</i>		
	9.50	
22 05 76 00-0072    EA    5" Threaded Brass Plug, Raised Head .....	92.43	15.93
<i>For Plug Tapped For Center Screw, Add</i>		
	9.50	
22 05 76 00-0073    EA    6" Threaded Brass Plug, Raised Head .....	161.53	17.70
<i>For Plug Tapped For Center Screw, Add</i>		
	9.50	
22 05 76 00-0074    EA    1-1/2" Threaded Brass Plug, Countersunk Head.....	31.13	8.85
<i>For Plug Tapped For Center Screw, Add</i>		
	9.50	
22 05 76 00-0075    EA    2" Threaded Brass Plug, Countersunk Head .....	34.10	8.85
<i>For Plug Tapped For Center Screw, Add</i>		
	9.50	
22 05 76 00-0076    EA    2-1/2" Threaded Brass Plug, Countersunk Head.....	46.35	9.62
<i>For Plug Tapped For Center Screw, Add</i>		
	9.50	
22 05 76 00-0077    EA    3" Threaded Brass Plug, Countersunk Head .....	49.33	10.62
<i>For Plug Tapped For Center Screw, Add</i>		
	9.50	
22 05 76 00-0078    EA    3-1/2" Threaded Brass Plug, Countersunk Head.....	56.78	12.40
<i>For Plug Tapped For Center Screw, Add</i>		
	9.50	
22 05 76 00-0079    EA    4" Threaded Brass Plug, Countersunk Head .....	71.12	14.16
<i>For Plug Tapped For Center Screw, Add</i>		
	9.50	
22 05 76 00-0080    EA    5" Threaded Brass Plug, Countersunk Head .....	90.24	15.93
<i>For Plug Tapped For Center Screw, Add</i>		
	9.50	
22 05 76 00-0081    EA    6" Threaded Brass Plug, Countersunk Head .....	126.36	17.71
<i>For Plug Tapped For Center Screw, Add</i>		
	9.50	

**22 Plumbing****22 05 Common Work Results for Plumbing**

22 05 76 Facility Drainage Piping Cleanouts

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**22 07 Plumbing Insulation** <sup>(22)</sup>**22 07 16 Plumbing Equipment Insulation** <sup>(22 07)</sup>

22 07 16 00-0001	Lavatory Insulation <sup>(22 07 16)</sup>		
22 07 16 00-0002	EA Neoprene Insulation Kit For Under Lavatories .....	203.11	13.94

**22 07 19 Plumbing Piping Insulation** <sup>(22 07)</sup>

22 07 19 00-0001	Fiberglass Pipe Insulation <sup>(22 07 19)</sup>		
	Note: Includes factory applied All Service Jacket (ASJ), Self Sealing Lap (SSL) longitudinal seam, butt strip seals, and adhesive. Excludes insulation for fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.		
22 07 19 00-0002	1/2" Thick Fiberglass Pipe Insulation <sup>(22 07 19 00-0001)</sup>		
22 07 19 00-0003	LF 1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	5.09	1.36
	For Single Layer Of Felt Finish, Add	0.15	
	For Work In Restricted Working Space, Add	1.11	
22 07 19 00-0004	LF 3/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	5.24	1.36
	For Single Layer Of Felt Finish, Add	0.16	
	For Work In Restricted Working Space, Add	1.11	
22 07 19 00-0005	LF 1" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	5.57	1.42
	For Single Layer Of Felt Finish, Add	0.17	
	For Work In Restricted Working Space, Add	1.17	
22 07 19 00-0006	LF 1-1/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	5.82	1.48
	For Single Layer Of Felt Finish, Add	0.19	
	For Work In Restricted Working Space, Add	1.20	
22 07 19 00-0007	LF 1-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	6.00	1.48
	For Single Layer Of Felt Finish, Add	0.20	
	For Work In Restricted Working Space, Add	1.22	
22 07 19 00-0008	LF 2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	6.36	1.55
	For Single Layer Of Felt Finish, Add	0.22	
	For Work In Restricted Working Space, Add	1.28	
22 07 19 00-0009	LF 2-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	6.75	1.61
	For Single Layer Of Felt Finish, Add	0.25	
	For Work In Restricted Working Space, Add	1.31	
22 07 19 00-0010	LF 3" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	7.17	1.67
	For Single Layer Of Felt Finish, Add	0.28	
	For Work In Restricted Working Space, Add	1.35	
22 07 19 00-0011	LF 4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	8.28	1.80
	For Single Layer Of Felt Finish, Add	0.36	
	For Work In Restricted Working Space, Add	1.46	
22 07 19 00-0012	LF 6" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	9.82	2.11
	For Single Layer Of Felt Finish, Add	0.43	
	For Work In Restricted Working Space, Add	1.70	
22 07 19 00-0013	1" Thick Fiberglass Pipe Insulation <sup>(22 07 19 00-0001)</sup>		
22 07 19 00-0014	LF 1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	6.76	1.86
	For Single Layer Of Felt Finish, Add	0.17	
	For Work In Restricted Working Space, Add	1.53	
22 07 19 00-0015	LF 3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	7.00	1.86
	For Single Layer Of Felt Finish, Add	0.20	
	For Work In Restricted Working Space, Add	1.53	
22 07 19 00-0016	LF 1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	7.11	1.86
	For Single Layer Of Felt Finish, Add	0.20	
	For Work In Restricted Working Space, Add	1.55	
22 07 19 00-0017	LF 1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	7.44	1.92
	For Single Layer Of Felt Finish, Add	0.23	
	For Work In Restricted Working Space, Add	1.57	
22 07 19 00-0018	LF 1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	7.68	1.92
	For Single Layer Of Felt Finish, Add	0.25	
	For Work In Restricted Working Space, Add	1.60	
22 07 19 00-0019	LF 2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	8.04	1.99
	For Single Layer Of Felt Finish, Add	0.27	
	For Work In Restricted Working Space, Add	1.64	
22 07 19 00-0020	LF 2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	8.52	2.11
	For Single Layer Of Felt Finish, Add	0.30	
	For Work In Restricted Working Space, Add	1.70	
22 07 19 00-0021	LF 3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	9.04	2.17
	For Single Layer Of Felt Finish, Add	0.34	
	For Work In Restricted Working Space, Add	1.75	
22 07 19 00-0022	LF 4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	10.42	2.29
	For Single Layer Of Felt Finish, Add	0.43	
	For Work In Restricted Working Space, Add	1.88	
22 07 19 00-0023	LF 6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	12.13	2.66
	For Single Layer Of Felt Finish, Add	0.53	
	For Work In Restricted Working Space, Add	2.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0024 LF 8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	15.35	2.98
<i>For Single Layer Of Felt Finish, Add</i>	0.76	
<i>For Work In Restricted Working Space, Add</i>	2.44	
22 07 19 00-0025 LF 10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.03	3.53
<i>For Single Layer Of Felt Finish, Add</i>	0.89	
<i>For Work In Restricted Working Space, Add</i>	2.88	
22 07 19 00-0026 LF 12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	20.65	4.03
<i>For Single Layer Of Felt Finish, Add</i>	1.01	
<i>For Work In Restricted Working Space, Add</i>	3.32	
22 07 19 00-0027 LF 14" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	22.56	4.40
<i>For Single Layer Of Felt Finish, Add</i>	1.17	
<i>For Work In Restricted Working Space, Add</i>	3.44	
<b>22 07 19 00-0028 1-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)</b>		
22 07 19 00-0029 LF 1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	8.69	1.92
<i>For Single Layer Of Felt Finish, Add</i>	0.35	
<i>For Work In Restricted Working Space, Add</i>	1.59	
22 07 19 00-0030 LF 3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	8.84	1.92
<i>For Single Layer Of Felt Finish, Add</i>	0.37	
<i>For Work In Restricted Working Space, Add</i>	1.59	
22 07 19 00-0031 LF 1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	9.33	2.03
<i>For Single Layer Of Felt Finish, Add</i>	0.39	
<i>For Work In Restricted Working Space, Add</i>	1.69	
22 07 19 00-0032 LF 1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	9.72	2.07
<i>For Single Layer Of Felt Finish, Add</i>	0.42	
<i>For Work In Restricted Working Space, Add</i>	1.72	
22 07 19 00-0033 LF 1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	10.03	2.11
<i>For Single Layer Of Felt Finish, Add</i>	0.44	
<i>For Work In Restricted Working Space, Add</i>	1.75	
22 07 19 00-0034 LF 2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	10.73	2.22
<i>For Single Layer Of Felt Finish, Add</i>	0.48	
<i>For Work In Restricted Working Space, Add</i>	1.85	
22 07 19 00-0035 LF 2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	11.31	2.26
<i>For Single Layer Of Felt Finish, Add</i>	0.53	
<i>For Work In Restricted Working Space, Add</i>	1.88	
22 07 19 00-0036 LF 3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	11.66	2.34
<i>For Single Layer Of Felt Finish, Add</i>	0.54	
<i>For Work In Restricted Working Space, Add</i>	1.94	
22 07 19 00-0037 LF 4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	12.95	2.53
<i>For Single Layer Of Felt Finish, Add</i>	0.62	
<i>For Work In Restricted Working Space, Add</i>	2.10	
22 07 19 00-0038 LF 6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	14.96	2.95
<i>For Single Layer Of Felt Finish, Add</i>	0.71	
<i>For Work In Restricted Working Space, Add</i>	2.45	
22 07 19 00-0039 LF 8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	17.13	3.11
<i>For Single Layer Of Felt Finish, Add</i>	0.89	
<i>For Work In Restricted Working Space, Add</i>	2.59	
22 07 19 00-0040 LF 10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	21.05	3.72
<i>For Single Layer Of Felt Finish, Add</i>	1.13	
<i>For Work In Restricted Working Space, Add</i>	3.10	
22 07 19 00-0041 LF 12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	23.70	4.34
<i>For Single Layer Of Felt Finish, Add</i>	1.23	
<i>For Work In Restricted Working Space, Add</i>	3.61	
22 07 19 00-0042 LF 14" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	26.70	4.75
<i>For Single Layer Of Felt Finish, Add</i>	1.42	
<i>For Work In Restricted Working Space, Add</i>	3.95	
<b>22 07 19 00-0043 2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)</b>		
22 07 19 00-0044 LF 1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	11.12	2.11
<i>For Single Layer Of Felt Finish, Add</i>	0.56	
<i>For Work In Restricted Working Space, Add</i>	1.75	
22 07 19 00-0045 LF 3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	11.30	2.11
<i>For Single Layer Of Felt Finish, Add</i>	0.57	
<i>For Work In Restricted Working Space, Add</i>	1.75	
22 07 19 00-0046 LF 1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	11.75	2.17
<i>For Single Layer Of Felt Finish, Add</i>	0.61	
<i>For Work In Restricted Working Space, Add</i>	1.77	
22 07 19 00-0047 LF 1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	12.15	2.17
<i>For Single Layer Of Felt Finish, Add</i>	0.65	
<i>For Work In Restricted Working Space, Add</i>	1.79	
22 07 19 00-0048 LF 1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	12.59	2.23
<i>For Single Layer Of Felt Finish, Add</i>	0.69	
<i>For Work In Restricted Working Space, Add</i>	1.82	
22 07 19 00-0049 LF 2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	13.07	2.29
<i>For Single Layer Of Felt Finish, Add</i>	0.71	
<i>For Work In Restricted Working Space, Add</i>	1.88	
22 07 19 00-0050 LF 2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	13.80	2.35
<i>For Single Layer Of Felt Finish, Add</i>	0.77	
<i>For Work In Restricted Working Space, Add</i>	1.95	
22 07 19 00-0051 LF 3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	14.59	2.48
<i>For Single Layer Of Felt Finish, Add</i>	0.83	
<i>For Work In Restricted Working Space, Add</i>	2.02	



**22 Plumbing**  
**22 07 Plumbing Insulation**  
**22 07 19 Plumbing Piping Insulation**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0052	LF		4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	16.09	2.60
			<i>For Single Layer Of Felt Finish, Add</i>	0.95	
			<i>For Work In Restricted Working Space, Add</i>	2.12	
22 07 19 00-0053	LF		6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	18.97	3.06
			<i>For Single Layer Of Felt Finish, Add</i>	1.10	
			<i>For Work In Restricted Working Space, Add</i>	2.55	
22 07 19 00-0054	LF		8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	21.92	3.23
			<i>For Single Layer Of Felt Finish, Add</i>	1.36	
			<i>For Work In Restricted Working Space, Add</i>	2.69	
22 07 19 00-0055	LF		10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	26.23	3.86
			<i>For Single Layer Of Felt Finish, Add</i>	1.63	
			<i>For Work In Restricted Working Space, Add</i>	3.22	
22 07 19 00-0056	LF		12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	29.86	4.63
			<i>For Single Layer Of Felt Finish, Add</i>	1.79	
			<i>For Work In Restricted Working Space, Add</i>	3.86	
22 07 19 00-0057	LF		14" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	37.17	5.05
			<i>For Single Layer Of Felt Finish, Add</i>	2.02	
			<i>For Work In Restricted Working Space, Add</i>	5.38	
22 07 19 00-0058	LF		16" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	39.83	5.92
			<i>For Single Layer Of Felt Finish, Add</i>	2.30	
			<i>For Work In Restricted Working Space, Add</i>	5.38	
22 07 19 00-0059	LF		18" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	44.86	6.22
			<i>For Single Layer Of Felt Finish, Add</i>	2.73	
			<i>For Work In Restricted Working Space, Add</i>	5.65	
22 07 19 00-0060	LF		20" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	50.72	7.10
			<i>For Single Layer Of Felt Finish, Add</i>	3.06	
			<i>For Work In Restricted Working Space, Add</i>	6.46	
22 07 19 00-0061	LF		24" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	58.38	8.59
			<i>For Single Layer Of Felt Finish, Add</i>	3.40	
			<i>For Work In Restricted Working Space, Add</i>	7.80	
<b>22 07 19 00-0062</b>			<b>2-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)</b>		
22 07 19 00-0063	LF		1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	14.09	2.48
			<i>For Single Layer Of Felt Finish, Add</i>	0.77	
			<i>For Work In Restricted Working Space, Add</i>	2.02	
22 07 19 00-0064	LF		3/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	14.34	2.48
			<i>For Single Layer Of Felt Finish, Add</i>	0.80	
			<i>For Work In Restricted Working Space, Add</i>	2.02	
22 07 19 00-0065	LF		1" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	15.00	2.48
			<i>For Single Layer Of Felt Finish, Add</i>	0.86	
			<i>For Work In Restricted Working Space, Add</i>	2.05	
22 07 19 00-0066	LF		1-1/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	15.50	2.54
			<i>For Single Layer Of Felt Finish, Add</i>	0.91	
			<i>For Work In Restricted Working Space, Add</i>	2.06	
22 07 19 00-0067	LF		1-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	16.03	2.54
			<i>For Single Layer Of Felt Finish, Add</i>	0.96	
			<i>For Work In Restricted Working Space, Add</i>	2.08	
22 07 19 00-0068	LF		2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	16.70	2.66
			<i>For Single Layer Of Felt Finish, Add</i>	1.00	
			<i>For Work In Restricted Working Space, Add</i>	2.17	
22 07 19 00-0069	LF		2-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	17.73	2.72
			<i>For Single Layer Of Felt Finish, Add</i>	1.08	
			<i>For Work In Restricted Working Space, Add</i>	2.24	
22 07 19 00-0070	LF		3" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	18.65	2.86
			<i>For Single Layer Of Felt Finish, Add</i>	1.15	
			<i>For Work In Restricted Working Space, Add</i>	2.32	
22 07 19 00-0071	LF		4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	20.86	2.98
			<i>For Single Layer Of Felt Finish, Add</i>	1.33	
			<i>For Work In Restricted Working Space, Add</i>	2.45	
22 07 19 00-0072	LF		6" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	23.96	3.16
			<i>For Single Layer Of Felt Finish, Add</i>	1.54	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
22 07 19 00-0073	LF		8" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	33.20	3.78
			<i>For Single Layer Of Felt Finish, Add</i>	2.40	
			<i>For Work In Restricted Working Space, Add</i>	3.10	
22 07 19 00-0074	LF		10" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	39.90	4.34
			<i>For Single Layer Of Felt Finish, Add</i>	2.94	
			<i>For Work In Restricted Working Space, Add</i>	3.58	
22 07 19 00-0075	LF		12" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	44.61	5.40
			<i>For Single Layer Of Felt Finish, Add</i>	3.13	
			<i>For Work In Restricted Working Space, Add</i>	4.44	
22 07 19 00-0076	LF		14" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	50.77	5.95
			<i>For Single Layer Of Felt Finish, Add</i>	3.63	
			<i>For Work In Restricted Working Space, Add</i>	4.85	
22 07 19 00-0077	LF		16" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	58.80	7.57
			<i>For Single Layer Of Felt Finish, Add</i>	4.00	
			<i>For Work In Restricted Working Space, Add</i>	6.20	
22 07 19 00-0078	LF		18" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	63.54	7.93
			<i>For Single Layer Of Felt Finish, Add</i>	4.39	
			<i>For Work In Restricted Working Space, Add</i>	6.51	
22 07 19 00-0079	LF		20" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	72.02	9.05
			<i>For Single Layer Of Felt Finish, Add</i>	4.96	
			<i>For Work In Restricted Working Space, Add</i>	7.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0080 LF 24" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	84.24 5.70 8.99	10.94
<b>22 07 19 00-0081 3" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)</b>		
22 07 19 00-0082 LF 1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.52 0.85 2.23	2.74
22 07 19 00-0083 LF 3/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.79 0.88 2.23	2.74
22 07 19 00-0084 LF 1" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.49 0.94 2.26	2.76
22 07 19 00-0085 LF 1-1/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.03 0.99 2.27	2.78
22 07 19 00-0086 LF 1-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.64 1.05 2.30	2.81
22 07 19 00-0087 LF 2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.33 1.09 2.38	2.92
22 07 19 00-0088 LF 2-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.46 1.18 2.46	3.02
22 07 19 00-0089 LF 3" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.48 1.26 2.55	3.13
22 07 19 00-0090 LF 4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.92 1.46 2.69	3.30
22 07 19 00-0091 LF 6" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.32 1.69 3.06	3.75
22 07 19 00-0092 LF 8" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	36.45 2.63 3.41	4.18
22 07 19 00-0093 LF 10" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.82 3.22 3.93	4.82
22 07 19 00-0094 LF 12" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.99 3.43 4.89	5.99
22 07 19 00-0095 LF 14" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	55.78 3.99 5.34	6.55
22 07 19 00-0096 LF 16" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	64.58 4.40 6.82	8.36
22 07 19 00-0097 LF 18" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	69.79 4.82 7.16	8.79
22 07 19 00-0098 LF 20" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	79.11 5.44 8.19	10.04
22 07 19 00-0099 LF 24" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	92.53 6.25 9.89	12.13
<b>22 07 19 00-0100 3-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)</b>		
22 07 19 00-0101 LF 1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.65 0.89 2.45	2.98
22 07 19 00-0102 LF 3/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.97 0.93 2.45	2.98
22 07 19 00-0103 LF 1" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.01 1.03 2.46	2.98
22 07 19 00-0104 LF 1-1/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.60 1.09 2.48	3.04
22 07 19 00-0105 LF 1-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.28 1.15 2.51	3.04
22 07 19 00-0106 LF 2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.02 1.19 2.60	3.16
22 07 19 00-0107 LF 2-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)..... <i>For Single Layer Of Felt Finish, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.25 1.29 2.69	3.29

**22 Plumbing**  
**22 07 Plumbing Insulation**  
**22 07 19 Plumbing Piping Insulation**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0108	LF		3" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	22.28	3.41
			<i>For Single Layer Of Felt Finish, Add</i>	1.37	
			<i>For Work In Restricted Working Space, Add</i>	2.78	
22 07 19 00-0109	LF		4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	25.05	3.59
			<i>For Single Layer Of Felt Finish, Add</i>	1.60	
			<i>For Work In Restricted Working Space, Add</i>	2.94	
22 07 19 00-0110	LF		6" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	28.74	4.10
			<i>For Single Layer Of Felt Finish, Add</i>	1.85	
			<i>For Work In Restricted Working Space, Add</i>	3.34	
22 07 19 00-0111	LF		8" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	39.82	4.53
			<i>For Single Layer Of Felt Finish, Add</i>	2.88	
			<i>For Work In Restricted Working Space, Add</i>	3.72	
22 07 19 00-0112	LF		10" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	47.88	5.21
			<i>For Single Layer Of Felt Finish, Add</i>	3.53	
			<i>For Work In Restricted Working Space, Add</i>	4.29	
22 07 19 00-0113	LF		12" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	53.52	6.51
			<i>For Single Layer Of Felt Finish, Add</i>	3.75	
			<i>For Work In Restricted Working Space, Add</i>	5.33	
22 07 19 00-0114	LF		14" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	60.95	7.13
			<i>For Single Layer Of Felt Finish, Add</i>	4.36	
			<i>For Work In Restricted Working Space, Add</i>	5.82	
22 07 19 00-0115	LF		16" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	70.58	9.05
			<i>For Single Layer Of Felt Finish, Add</i>	4.81	
			<i>For Work In Restricted Working Space, Add</i>	7.44	
22 07 19 00-0116	LF		18" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	76.25	9.54
			<i>For Single Layer Of Felt Finish, Add</i>	5.27	
			<i>For Work In Restricted Working Space, Add</i>	7.81	
22 07 19 00-0117	LF		20" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	86.44	10.91
			<i>For Single Layer Of Felt Finish, Add</i>	5.95	
			<i>For Work In Restricted Working Space, Add</i>	8.93	
22 07 19 00-0118	LF		24" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	101.09	13.15
			<i>For Single Layer Of Felt Finish, Add</i>	6.84	
			<i>For Work In Restricted Working Space, Add</i>	10.79	
<b>22 07 19 00-0119</b>			<b>4" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)</b>		
22 07 19 00-0120	LF		1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	18.98	3.35
			<i>For Single Layer Of Felt Finish, Add</i>	1.04	
			<i>For Work In Restricted Working Space, Add</i>	2.72	
22 07 19 00-0121	LF		3/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	19.34	3.35
			<i>For Single Layer Of Felt Finish, Add</i>	1.08	
			<i>For Work In Restricted Working Space, Add</i>	2.72	
22 07 19 00-0122	LF		1" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	20.23	3.35
			<i>For Single Layer Of Felt Finish, Add</i>	1.16	
			<i>For Work In Restricted Working Space, Add</i>	2.76	
22 07 19 00-0123	LF		1-1/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	20.97	3.41
			<i>For Single Layer Of Felt Finish, Add</i>	1.22	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
22 07 19 00-0124	LF		1-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	21.90	3.53
			<i>For Single Layer Of Felt Finish, Add</i>	1.29	
			<i>For Work In Restricted Working Space, Add</i>	2.89	
22 07 19 00-0125	LF		2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	22.72	3.65
			<i>For Single Layer Of Felt Finish, Add</i>	1.35	
			<i>For Work In Restricted Working Space, Add</i>	2.97	
22 07 19 00-0126	LF		2-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	23.91	3.65
			<i>For Single Layer Of Felt Finish, Add</i>	1.45	
			<i>For Work In Restricted Working Space, Add</i>	3.02	
22 07 19 00-0127	LF		3" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	25.18	3.84
			<i>For Single Layer Of Felt Finish, Add</i>	1.55	
			<i>For Work In Restricted Working Space, Add</i>	3.13	
22 07 19 00-0128	LF		4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	28.16	4.03
			<i>For Single Layer Of Felt Finish, Add</i>	1.80	
			<i>For Work In Restricted Working Space, Add</i>	3.31	
22 07 19 00-0129	LF		6" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	32.34	4.59
			<i>For Single Layer Of Felt Finish, Add</i>	2.08	
			<i>For Work In Restricted Working Space, Add</i>	3.75	
22 07 19 00-0130	LF		8" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	44.79	4.96
			<i>For Single Layer Of Felt Finish, Add</i>	3.24	
			<i>For Work In Restricted Working Space, Add</i>	4.18	
22 07 19 00-0131	LF		10" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	53.85	5.89
			<i>For Single Layer Of Felt Finish, Add</i>	3.96	
			<i>For Work In Restricted Working Space, Add</i>	4.83	
22 07 19 00-0132	LF		12" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	60.23	7.31
			<i>For Single Layer Of Felt Finish, Add</i>	4.23	
			<i>For Work In Restricted Working Space, Add</i>	6.00	
22 07 19 00-0133	LF		14" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	68.58	8.00
			<i>For Single Layer Of Felt Finish, Add</i>	4.91	
			<i>For Work In Restricted Working Space, Add</i>	6.55	
22 07 19 00-0134	LF		16" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	79.43	10.23
			<i>For Single Layer Of Felt Finish, Add</i>	5.41	
			<i>For Work In Restricted Working Space, Add</i>	8.38	
22 07 19 00-0135	LF		18" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ) .....	85.76	10.72
			<i>For Single Layer Of Felt Finish, Add</i>	5.93	
			<i>For Work In Restricted Working Space, Add</i>	8.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0136 LF 20" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	95.78	12.28
For Single Layer Of Felt Finish, Add	6.54	
For Work In Restricted Working Space, Add	10.05	
22 07 19 00-0137 LF 24" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	113.75	14.81
For Single Layer Of Felt Finish, Add	7.70	
For Work In Restricted Working Space, Add	12.14	
22 07 19 00-0138 LF 26" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	129.00	17.48
For Single Layer Of Felt Finish, Add	8.54	
For Work In Restricted Working Space, Add	14.30	
22 07 19 00-0139 LF 28" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	144.01	20.58
For Single Layer Of Felt Finish, Add	9.23	
For Work In Restricted Working Space, Add	16.85	
22 07 19 00-0140 LF 30" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	160.52	24.30
For Single Layer Of Felt Finish, Add	9.87	
For Work In Restricted Working Space, Add	19.95	
22 07 19 00-0141 LF 36" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	191.37	30.89
For Single Layer Of Felt Finish, Add	11.21	
For Work In Restricted Working Space, Add	25.37	
22 07 19 00-0142 LF 42" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	222.23	37.62
For Single Layer Of Felt Finish, Add	12.56	
For Work In Restricted Working Space, Add	30.79	
22 07 19 00-0143 LF 44" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	237.33	41.35
For Single Layer Of Felt Finish, Add	13.04	
For Work In Restricted Working Space, Add	33.94	
22 07 19 00-0144 LF 46" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	251.22	44.50
For Single Layer Of Felt Finish, Add	13.57	
For Work In Restricted Working Space, Add	36.61	
<b>22 07 19 00-0145 Foamglas Pipe Insulation, Rigid, Closed Cell</b> <small>(22 07 19)</small>		
Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.		
<b>22 07 19 00-0146 1" Thick Foamglas Pipe Insulation</b> <small>(22 07 19 00-0145)</small>		
22 07 19 00-0147 LF 1/2" Diameter Pipe, 1" Thick Foamglas Insulation .....	11.47	3.03
For Work In Restricted Working Space, Add	2.75	
22 07 19 00-0148 LF 3/4" Diameter Pipe, 1" Thick Foamglas Insulation .....	12.05	3.03
For Work In Restricted Working Space, Add	2.75	
22 07 19 00-0149 LF 1" Diameter Pipe, 1" Thick Foamglas Insulation .....	12.78	3.07
For Work In Restricted Working Space, Add	2.79	
22 07 19 00-0150 LF 1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation .....	13.10	3.11
For Work In Restricted Working Space, Add	2.83	
22 07 19 00-0151 LF 1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation .....	13.64	3.16
For Work In Restricted Working Space, Add	2.87	
22 07 19 00-0152 LF 2" Diameter Pipe, 1" Thick Foamglas Insulation .....	14.65	3.24
For Work In Restricted Working Space, Add	2.95	
22 07 19 00-0153 LF 2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation .....	15.89	3.38
For Work In Restricted Working Space, Add	3.07	
22 07 19 00-0154 LF 3" Diameter Pipe, 1" Thick Foamglas Insulation .....	17.31	3.46
For Work In Restricted Working Space, Add	3.15	
22 07 19 00-0155 LF 4" Diameter Pipe, 1" Thick Foamglas Insulation .....	20.27	3.72
For Work In Restricted Working Space, Add	3.39	
22 07 19 00-0156 LF 6" Diameter Pipe, 1" Thick Foamglas Insulation .....	26.31	4.21
For Work In Restricted Working Space, Add	3.82	
<b>22 07 19 00-0157 1-1/2" Thick Foamglas Pipe Insulation</b> <small>(22 07 19 00-0145)</small>		
22 07 19 00-0158 LF 1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation .....	13.91	3.35
For Work In Restricted Working Space, Add	2.95	
22 07 19 00-0159 LF 3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation .....	14.28	3.35
For Work In Restricted Working Space, Add	2.95	
22 07 19 00-0160 LF 1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation .....	14.78	3.40
For Work In Restricted Working Space, Add	2.99	
22 07 19 00-0161 LF 1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation .....	15.18	3.44
For Work In Restricted Working Space, Add	3.03	
22 07 19 00-0162 LF 1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation .....	15.55	3.49
For Work In Restricted Working Space, Add	3.07	
22 07 19 00-0163 LF 2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation .....	17.02	3.60
For Work In Restricted Working Space, Add	3.17	
22 07 19 00-0164 LF 2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation .....	19.60	3.73
For Work In Restricted Working Space, Add	3.29	
22 07 19 00-0165 LF 3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation .....	21.89	3.85
For Work In Restricted Working Space, Add	3.39	
22 07 19 00-0166 LF 4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation .....	25.05	4.10
For Work In Restricted Working Space, Add	3.61	
22 07 19 00-0167 LF 6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation .....	29.66	4.64
For Work In Restricted Working Space, Add	4.08	
22 07 19 00-0168 LF 8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation .....	33.19	5.18
For Work In Restricted Working Space, Add	4.55	
22 07 19 00-0169 LF 10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation .....	40.55	5.97
For Work In Restricted Working Space, Add	5.25	
22 07 19 00-0170 LF 12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation .....	47.80	7.42
For Work In Restricted Working Space, Add	6.53	

**22 Plumbing**  
**22 07 Plumbing Insulation**  
**22 07 19 Plumbing Piping Insulation**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0171	LF		14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation .....	53.29	7.81
			<i>For Work In Restricted Working Space, Add</i>	7.09	
22 07 19 00-0172	LF		16" Diameter Pipe, 1-1/2" Thick Foamglas Insulation .....	58.53	8.72
			<i>For Work In Restricted Working Space, Add</i>	7.92	
22 07 19 00-0173	LF		18" Diameter Pipe, 1-1/2" Thick Foamglas Insulation .....	65.93	10.31
			<i>For Work In Restricted Working Space, Add</i>	9.38	
22 07 19 00-0174	LF		20" Diameter Pipe, 1-1/2" Thick Foamglas Insulation .....	73.75	11.41
			<i>For Work In Restricted Working Space, Add</i>	10.38	
22 07 19 00-0175	LF		24" Diameter Pipe, 1-1/2" Thick Fiberglass Insulation .....	93.66	12.64
			<i>For Work In Restricted Working Space, Add</i>	11.50	
<b>22 07 19 00-0176 2" Thick Foamglas Pipe Insulation (22 07 19 00-0145)</b>					
22 07 19 00-0177	LF		1/2" Diameter Pipe, 2" Thick Foamglas Insulation .....	15.82	3.46
			<i>For Work In Restricted Working Space, Add</i>	3.15	
22 07 19 00-0178	LF		3/4" Diameter Pipe, 2" Thick Foamglas Insulation .....	16.40	3.46
			<i>For Work In Restricted Working Space, Add</i>	3.15	
22 07 19 00-0179	LF		1" Diameter Pipe, 2" Thick Foamglas Insulation .....	17.08	3.50
			<i>For Work In Restricted Working Space, Add</i>	3.19	
22 07 19 00-0180	LF		1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation .....	18.13	3.55
			<i>For Work In Restricted Working Space, Add</i>	3.23	
22 07 19 00-0181	LF		1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation .....	19.18	3.59
			<i>For Work In Restricted Working Space, Add</i>	3.27	
22 07 19 00-0182	LF		2" Diameter Pipe, 2" Thick Foamglas Insulation .....	21.72	3.72
			<i>For Work In Restricted Working Space, Add</i>	3.39	
22 07 19 00-0183	LF		2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation .....	22.83	3.86
			<i>For Work In Restricted Working Space, Add</i>	3.51	
22 07 19 00-0184	LF		3" Diameter Pipe, 2" Thick Foamglas Insulation .....	24.65	3.99
			<i>For Work In Restricted Working Space, Add</i>	3.62	
22 07 19 00-0185	LF		4" Diameter Pipe, 2" Thick Foamglas Insulation .....	28.04	4.21
			<i>For Work In Restricted Working Space, Add</i>	3.83	
22 07 19 00-0186	LF		6" Diameter Pipe, 2" Thick Foamglas Insulation .....	33.79	4.78
			<i>For Work In Restricted Working Space, Add</i>	4.34	
22 07 19 00-0187	LF		8" Diameter Pipe, 2" Thick Foamglas Insulation .....	37.60	5.33
			<i>For Work In Restricted Working Space, Add</i>	4.84	
22 07 19 00-0188	LF		10" Diameter Pipe, 2" Thick Foamglas Insulation .....	46.11	6.14
			<i>For Work In Restricted Working Space, Add</i>	5.59	
22 07 19 00-0189	LF		12" Diameter Pipe, 2" Thick Foamglas Insulation .....	57.09	7.64
			<i>For Work In Restricted Working Space, Add</i>	6.94	
22 07 19 00-0190	LF		14" Diameter Pipe, 2" Thick Foamglas Insulation .....	60.82	8.33
			<i>For Work In Restricted Working Space, Add</i>	7.58	
22 07 19 00-0191	LF		16" Diameter Pipe, 2" Thick Foamglas Insulation .....	71.09	10.65
			<i>For Work In Restricted Working Space, Add</i>	9.69	
22 07 19 00-0192	LF		18" Diameter Pipe, 2" Thick Foamglas Insulation .....	77.95	11.19
			<i>For Work In Restricted Working Space, Add</i>	10.17	
22 07 19 00-0193	LF		20" Diameter Pipe, 2" Thick Foamglas Insulation .....	85.81	12.79
			<i>For Work In Restricted Working Space, Add</i>	11.63	
22 07 19 00-0194	LF		24" Diameter Pipe, 2" Thick Foamglas Insulation .....	108.23	15.45
			<i>For Work In Restricted Working Space, Add</i>	14.05	
<b>22 07 19 00-0195 2-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0145)</b>					
22 07 19 00-0196	LF		1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	19.66	3.75
			<i>For Work In Restricted Working Space, Add</i>	3.41	
22 07 19 00-0197	LF		3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	20.64	3.75
			<i>For Work In Restricted Working Space, Add</i>	3.41	
22 07 19 00-0198	LF		1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	21.82	3.81
			<i>For Work In Restricted Working Space, Add</i>	3.47	
22 07 19 00-0199	LF		1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	22.88	3.84
			<i>For Work In Restricted Working Space, Add</i>	3.49	
22 07 19 00-0200	LF		1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	23.96	3.87
			<i>For Work In Restricted Working Space, Add</i>	3.52	
22 07 19 00-0201	LF		2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	25.80	4.03
			<i>For Work In Restricted Working Space, Add</i>	3.67	
22 07 19 00-0202	LF		2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	27.58	4.17
			<i>For Work In Restricted Working Space, Add</i>	3.79	
22 07 19 00-0203	LF		3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	30.17	4.32
			<i>For Work In Restricted Working Space, Add</i>	3.92	
22 07 19 00-0204	LF		4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	34.11	4.55
			<i>For Work In Restricted Working Space, Add</i>	4.14	
22 07 19 00-0205	LF		6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	41.06	5.18
			<i>For Work In Restricted Working Space, Add</i>	4.70	
22 07 19 00-0206	LF		8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	45.74	5.77
			<i>For Work In Restricted Working Space, Add</i>	5.24	
22 07 19 00-0207	LF		10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	52.12	6.65
			<i>For Work In Restricted Working Space, Add</i>	6.05	
22 07 19 00-0208	LF		12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	64.92	8.27
			<i>For Work In Restricted Working Space, Add</i>	7.52	
22 07 19 00-0209	LF		14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	67.27	9.03
			<i>For Work In Restricted Working Space, Add</i>	8.21	
22 07 19 00-0210	LF		16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	78.40	11.53
			<i>For Work In Restricted Working Space, Add</i>	10.49	
22 07 19 00-0211	LF		18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation .....	85.69	12.12
			<i>For Work In Restricted Working Space, Add</i>	11.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0212 LF 20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	98.61 12.59	13.84
22 07 19 00-0213 LF 24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	124.15 15.21	16.73
<b>22 07 19 00-0214 3" Thick Foamglas Pipe Insulation (22 07 19 00-0145)</b>		
22 07 19 00-0215 LF 1/2" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	24.34 3.63	4.00
22 07 19 00-0216 LF 3/4" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	24.92 3.63	4.00
22 07 19 00-0217 LF 1" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	25.71 3.69	4.06
22 07 19 00-0218 LF 1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	26.38 3.72	4.09
22 07 19 00-0219 LF 1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	27.08 3.74	4.13
22 07 19 00-0220 LF 2" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	29.25 3.90	4.29
22 07 19 00-0221 LF 2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	31.35 4.04	4.44
22 07 19 00-0222 LF 3" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	36.08 4.17	4.59
22 07 19 00-0223 LF 4" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	41.61 4.40	4.84
22 07 19 00-0224 LF 6" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	45.35 5.00	5.51
22 07 19 00-0225 LF 8" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	51.30 5.58	6.13
22 07 19 00-0226 LF 10" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	61.48 6.44	7.08
22 07 19 00-0227 LF 12" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	70.79 8.00	8.80
22 07 19 00-0228 LF 14" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	75.59 8.73	9.60
22 07 19 00-0229 LF 16" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	89.37 11.16	12.28
22 07 19 00-0230 LF 18" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	95.95 11.72	12.88
22 07 19 00-0231 LF 20" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	112.84 13.39	14.73
22 07 19 00-0232 LF 24" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	138.18 16.18	17.80
<b>22 07 19 00-0233 3-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0145)</b>		
22 07 19 00-0234 LF 1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	29.27 4.40	4.84
22 07 19 00-0235 LF 3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	30.00 4.40	4.84
22 07 19 00-0236 LF 1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	30.84 4.43	4.87
22 07 19 00-0237 LF 1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	31.67 4.46	4.90
22 07 19 00-0238 LF 1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	32.60 4.52	4.96
22 07 19 00-0239 LF 2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	36.24 4.67	5.14
22 07 19 00-0240 LF 2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	39.89 4.83	5.32
22 07 19 00-0241 LF 3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	42.26 5.00	5.51
22 07 19 00-0242 LF 4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	45.34 5.29	5.82
22 07 19 00-0243 LF 6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	52.30 6.01	6.61
22 07 19 00-0244 LF 8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	59.65 6.69	7.36
22 07 19 00-0245 LF 10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	71.68 7.72	8.50
22 07 19 00-0246 LF 12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	84.11 9.59	10.55
22 07 19 00-0247 LF 14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	87.17 10.48	11.52
22 07 19 00-0248 LF 16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	103.47 13.39	14.73
22 07 19 00-0249 LF 18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	114.54 14.06	15.47
22 07 19 00-0250 LF 20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	130.31 16.08	17.69
22 07 19 00-0251 LF 24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	160.43 19.41	21.36



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 07 19 00-0252 4" Thick Foamglas Pipe Insulation (22 07 19 00-0145)</b>		
22 07 19 00-0253 LF 1/2" Diameter Pipe, 4" Thick Foamglas Insulation .....	35.58	5.95
For Work In Restricted Working Space, Add	5.41	
22 07 19 00-0254 LF 3/4" Diameter Pipe, 4" Thick Foamglas Insulation .....	36.53	5.95
For Work In Restricted Working Space, Add	5.41	
22 07 19 00-0255 LF 1" Diameter Pipe, 4" Thick Foamglas Insulation .....	37.79	6.05
For Work In Restricted Working Space, Add	5.50	
22 07 19 00-0256 LF 1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation .....	38.95	6.12
For Work In Restricted Working Space, Add	5.57	
22 07 19 00-0257 LF 1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation .....	40.50	6.32
For Work In Restricted Working Space, Add	5.74	
22 07 19 00-0258 LF 2" Diameter Pipe, 4" Thick Foamglas Insulation .....	44.10	6.51
For Work In Restricted Working Space, Add	5.92	
22 07 19 00-0259 LF 2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation .....	47.41	6.62
For Work In Restricted Working Space, Add	6.01	
22 07 19 00-0260 LF 3" Diameter Pipe, 4" Thick Foamglas Insulation .....	49.87	6.86
For Work In Restricted Working Space, Add	6.23	
22 07 19 00-0261 LF 4" Diameter Pipe, 4" Thick Foamglas Insulation .....	54.33	7.65
For Work In Restricted Working Space, Add	6.95	
22 07 19 00-0262 LF 6" Diameter Pipe, 4" Thick Foamglas Insulation .....	63.57	8.20
For Work In Restricted Working Space, Add	7.46	
22 07 19 00-0263 LF 8" Diameter Pipe, 4" Thick Foamglas Insulation .....	72.20	8.90
For Work In Restricted Working Space, Add	8.09	
22 07 19 00-0264 LF 10" Diameter Pipe, 4" Thick Foamglas Insulation .....	82.24	10.57
For Work In Restricted Working Space, Add	9.61	
22 07 19 00-0265 LF 12" Diameter Pipe, 4" Thick Foamglas Insulation .....	95.19	13.14
For Work In Restricted Working Space, Add	11.94	
22 07 19 00-0266 LF 14" Diameter Pipe, 4" Thick Foamglas Insulation .....	103.43	14.35
For Work In Restricted Working Space, Add	13.04	
22 07 19 00-0267 LF 16" Diameter Pipe, 4" Thick Foamglas Insulation .....	121.27	18.34
For Work In Restricted Working Space, Add	16.67	
22 07 19 00-0268 LF 18" Diameter Pipe, 4" Thick Foamglas Insulation .....	136.29	19.22
For Work In Restricted Working Space, Add	17.48	
22 07 19 00-0269 LF 20" Diameter Pipe, 4" Thick Foamglas Insulation .....	152.25	21.99
For Work In Restricted Working Space, Add	20.00	
22 07 19 00-0270 LF 24" Diameter Pipe, 4" Thick Foamglas Insulation .....	194.64	26.59
For Work In Restricted Working Space, Add	24.16	
<b>22 07 19 00-0271 Polyisocyanurate Pipe Insulation (22 07 19)</b>		
Note: Dow Trymer insulation with Saran vapor wrap. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.		
<b>22 07 19 00-0272 1/2" Thick Polyisocyanurate Pipe Insulation (22 07 19 00-0271)</b>		
22 07 19 00-0273 LF 1/2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	5.35	1.42
22 07 19 00-0274 LF 3/4" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	5.90	1.48
22 07 19 00-0275 LF 1" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	6.21	1.61
22 07 19 00-0276 LF 1-1/4" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	6.53	1.67
22 07 19 00-0277 LF 1-1/2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	6.72	1.67
22 07 19 00-0278 LF 2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	7.08	1.74
22 07 19 00-0279 LF 2-1/2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	7.59	1.80
22 07 19 00-0280 LF 3" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	8.08	1.92
22 07 19 00-0281 LF 4" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	9.52	2.29
22 07 19 00-0282 LF 6" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	11.36	2.60
22 07 19 00-0283 LF 8" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	13.43	3.04
22 07 19 00-0284 LF 10" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	15.12	3.29
22 07 19 00-0285 LF 12" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation.....	18.01	4.03
<b>22 07 19 00-0286 1" Thick Polyisocyanurate Pipe Insulation (22 07 19 00-0271)</b>		
22 07 19 00-0287 LF 1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	6.22	1.48
22 07 19 00-0288 LF 3/4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	6.95	1.61
22 07 19 00-0289 LF 1" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	7.34	1.67
22 07 19 00-0290 LF 1-1/4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	7.74	1.74
22 07 19 00-0291 LF 1-1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	8.06	1.80
22 07 19 00-0292 LF 2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	8.53	1.80
22 07 19 00-0293 LF 2-1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	9.16	1.92
22 07 19 00-0294 LF 3" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	9.85	2.05
22 07 19 00-0295 LF 4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	11.66	2.42
22 07 19 00-0296 LF 6" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	14.71	3.04
22 07 19 00-0297 LF 8" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	17.70	3.59
22 07 19 00-0298 LF 10" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	20.21	4.03
22 07 19 00-0299 LF 12" Diameter Pipe, 1" Thick Polyisocyanurate Insulation.....	22.83	4.53
<b>22 07 19 00-0300 1-1/2" Thick Polyisocyanurate Pipe Insulation (22 07 19 00-0271)</b>		
22 07 19 00-0301 LF 3/4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	7.81	1.67
22 07 19 00-0302 LF 1" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	8.25	1.74
22 07 19 00-0303 LF 1-1/4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	8.76	1.80
22 07 19 00-0304 LF 1-1/2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation.....	9.14	1.86



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0305	LF		2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation .....	9.69	1.92
22 07 19 00-0306	LF		2-1/2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation .....	10.49	2.05
22 07 19 00-0307	LF		3" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation .....	11.28	2.11
22 07 19 00-0308	LF		4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation .....	13.37	2.60
22 07 19 00-0309	LF		6" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation .....	17.10	3.29
22 07 19 00-0310	LF		8" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation .....	20.83	4.03
22 07 19 00-0311	LF		10" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation .....	23.93	4.53
22 07 19 00-0312	LF		12" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation .....	26.35	4.83
<b>22 07 19 00-0313</b>			<b>2" Thick Polyisocyanurate Pipe Insulation</b> <small>(22 07 19 00-0271)</small>		
22 07 19 00-0314	LF		3/4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	9.90	1.74
22 07 19 00-0315	LF		1" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	10.52	1.80
22 07 19 00-0316	LF		1-1/4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation .....	11.08	1.92
22 07 19 00-0317	LF		1-1/2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation .....	11.53	1.92
22 07 19 00-0318	LF		2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	11.97	2.05
22 07 19 00-0319	LF		2-1/2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation .....	12.98	2.17
22 07 19 00-0320	LF		3" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	13.64	2.29
22 07 19 00-0321	LF		4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation .....	16.29	2.78
22 07 19 00-0322	LF		6" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	19.92	3.59
22 07 19 00-0323	LF		8" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	25.98	4.53
22 07 19 00-0324	LF		10" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	27.78	5.21
22 07 19 00-0325	LF		12" Diameter Pipe, 2" Thick Polyisocyanurate Insulation.....	30.22	5.58
<b>22 07 19 00-0326</b>			<b>Flexible Polyethylene Tubing Closed Cell Foam Insulation</b> <small>(22 07 19)</small>		
			Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). No additional linear feet for fittings required.		
<b>22 07 19 00-0327</b>			<b>3/8" Wall Flexible Polyethylene Tubing Foam Insulation</b> <small>(22 07 19 00-0326)</small>		
22 07 19 00-0328	LF		1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	4.03	1.86
			<i>For Work In Restricted Working Space, Add</i>	1.11	
22 07 19 00-0329	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	4.04	1.86
			<i>For Work In Restricted Working Space, Add</i>	1.12	
22 07 19 00-0330	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	4.21	1.92
			<i>For Work In Restricted Working Space, Add</i>	1.15	
22 07 19 00-0331	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	4.40	1.99
			<i>For Work In Restricted Working Space, Add</i>	1.19	
22 07 19 00-0332	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	4.59	2.02
			<i>For Work In Restricted Working Space, Add</i>	1.21	
22 07 19 00-0333	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	4.80	2.05
			<i>For Work In Restricted Working Space, Add</i>	1.23	
22 07 19 00-0334	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	4.90	2.05
			<i>For Work In Restricted Working Space, Add</i>	1.24	
22 07 19 00-0335	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	5.16	2.05
			<i>For Work In Restricted Working Space, Add</i>	1.24	
22 07 19 00-0336	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	5.66	2.12
			<i>For Work In Restricted Working Space, Add</i>	1.28	
22 07 19 00-0337	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	5.87	2.15
			<i>For Work In Restricted Working Space, Add</i>	1.30	
<b>22 07 19 00-0338</b>			<b>1/2" Wall Flexible Polyethylene Tubing Foam Insulation</b> <small>(22 07 19 00-0326)</small>		
22 07 19 00-0339	LF		1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	4.51	2.02
			<i>For Work In Restricted Working Space, Add</i>	1.21	
22 07 19 00-0340	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	4.57	2.02
			<i>For Work In Restricted Working Space, Add</i>	1.22	
22 07 19 00-0341	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	4.66	2.05
			<i>For Work In Restricted Working Space, Add</i>	1.23	
22 07 19 00-0342	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	4.76	2.07
			<i>For Work In Restricted Working Space, Add</i>	1.24	
22 07 19 00-0343	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	5.03	2.12
			<i>For Work In Restricted Working Space, Add</i>	1.27	
22 07 19 00-0344	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	5.27	2.15
			<i>For Work In Restricted Working Space, Add</i>	1.29	
22 07 19 00-0345	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	5.54	2.18
			<i>For Work In Restricted Working Space, Add</i>	1.31	
22 07 19 00-0346	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	5.87	2.21
			<i>For Work In Restricted Working Space, Add</i>	1.33	
22 07 19 00-0347	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	6.44	2.28
			<i>For Work In Restricted Working Space, Add</i>	1.37	
22 07 19 00-0348	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	7.05	2.31
			<i>For Work In Restricted Working Space, Add</i>	1.39	
22 07 19 00-0349	LF		3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	7.63	2.34
			<i>For Work In Restricted Working Space, Add</i>	1.40	
22 07 19 00-0350	LF		4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	7.97	2.37
			<i>For Work In Restricted Working Space, Add</i>	1.43	
<b>22 07 19 00-0351</b>			<b>3/4" Wall Flexible Polyethylene Tubing Foam Insulation</b> <small>(22 07 19 00-0326)</small>		
22 07 19 00-0352	LF		1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	5.06	2.18
			<i>For Work In Restricted Working Space, Add</i>	1.31	





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0353	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.12	2.21	
		<i>For Work In Restricted Working Space, Add</i>	1.33		
22 07 19 00-0354	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.50	2.28	
		<i>For Work In Restricted Working Space, Add</i>	1.37		
22 07 19 00-0355	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.66	2.31	
		<i>For Work In Restricted Working Space, Add</i>	1.39		
22 07 19 00-0356	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.14	2.37	
		<i>For Work In Restricted Working Space, Add</i>	1.43		
22 07 19 00-0357	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.64	2.41	
		<i>For Work In Restricted Working Space, Add</i>	1.44		
22 07 19 00-0358	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.87	2.42	
		<i>For Work In Restricted Working Space, Add</i>	1.45		
22 07 19 00-0359	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.83	2.44	
		<i>For Work In Restricted Working Space, Add</i>	1.46		
22 07 19 00-0360	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.13	2.50	
		<i>For Work In Restricted Working Space, Add</i>	1.50		
22 07 19 00-0361	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.19	2.54	
		<i>For Work In Restricted Working Space, Add</i>	1.52		
22 07 19 00-0362	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.13	2.57	
		<i>For Work In Restricted Working Space, Add</i>	1.55		
22 07 19 00-0363	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.52	2.60	
		<i>For Work In Restricted Working Space, Add</i>	1.56		
<b>22 07 19 00-0364</b>		<b>1" Wall Flexible Polyethylene Tubing Foam Insulation</b> (22 07 19 00-0326)			
22 07 19 00-0365	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.80	2.41	
		<i>For Work In Restricted Working Space, Add</i>	1.44		
22 07 19 00-0366	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.97	2.44	
		<i>For Work In Restricted Working Space, Add</i>	1.46		
22 07 19 00-0367	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.52	2.50	
		<i>For Work In Restricted Working Space, Add</i>	1.50		
22 07 19 00-0368	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.68	2.54	
		<i>For Work In Restricted Working Space, Add</i>	1.52		
22 07 19 00-0369	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.54	2.60	
		<i>For Work In Restricted Working Space, Add</i>	1.56		
22 07 19 00-0370	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.94	2.67	
		<i>For Work In Restricted Working Space, Add</i>	1.60		
22 07 19 00-0371	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.10	2.70	
		<i>For Work In Restricted Working Space, Add</i>	1.62		
22 07 19 00-0372	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.94	2.73	
		<i>For Work In Restricted Working Space, Add</i>	1.64		
22 07 19 00-0373	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.52	2.80	
		<i>For Work In Restricted Working Space, Add</i>	1.68		
22 07 19 00-0374	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.03	2.84	
		<i>For Work In Restricted Working Space, Add</i>	1.70		
<b>22 07 19 00-0375</b>		<b>Flexible Elastomeric Tubing Closed Cell Foam Insulation</b> (22 07 19)			
		Note: No additional LF for fittings required.			
<b>22 07 19 00-0376</b>		<b>3/8" Wall Flexible Elastomeric Tubing Foam Insulation</b> (22 07 19 00-0375)			
22 07 19 00-0377	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	4.59	1.86	
		<i>For Work In Restricted Working Space, Add</i>	1.11		
22 07 19 00-0378	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	4.74	1.86	
		<i>For Work In Restricted Working Space, Add</i>	1.12		
22 07 19 00-0379	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	4.95	1.92	
		<i>For Work In Restricted Working Space, Add</i>	1.15		
22 07 19 00-0380	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.10	1.96	
		<i>For Work In Restricted Working Space, Add</i>	1.17		
22 07 19 00-0381	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.26	1.99	
		<i>For Work In Restricted Working Space, Add</i>	1.19		
22 07 19 00-0382	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.49	2.02	
		<i>For Work In Restricted Working Space, Add</i>	1.21		
22 07 19 00-0383	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.69	2.05	
		<i>For Work In Restricted Working Space, Add</i>	1.23		
22 07 19 00-0384	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	5.94	2.05	
		<i>For Work In Restricted Working Space, Add</i>	1.24		
22 07 19 00-0385	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.15	2.05	
		<i>For Work In Restricted Working Space, Add</i>	1.24		
22 07 19 00-0386	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.38	2.08	
		<i>For Work In Restricted Working Space, Add</i>	1.25		
22 07 19 00-0387	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.65	2.12	
		<i>For Work In Restricted Working Space, Add</i>	1.27		
22 07 19 00-0388	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.92	2.12	
		<i>For Work In Restricted Working Space, Add</i>	1.28		
22 07 19 00-0389	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.10	2.15	
		<i>For Work In Restricted Working Space, Add</i>	1.29		
22 07 19 00-0390	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.37	2.15	
		<i>For Work In Restricted Working Space, Add</i>	1.30		
22 07 19 00-0391	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.02	2.18	
		<i>For Work In Restricted Working Space, Add</i>	1.31		
22 07 19 00-0392	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.74	2.21	
		<i>For Work In Restricted Working Space, Add</i>	1.33		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0393	LF		4" IPS (4-1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.58 1.34	2.23
<b>22 07 19 00-0394</b>			<b>1/2" Wall Flexible Elastomeric Tubing Foam Insulation</b> <small>(22 07 19 00-0375)</small>		
22 07 19 00-0395	LF		1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.38 1.21	2.02
22 07 19 00-0396	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.49 1.22	2.02
22 07 19 00-0397	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.60 1.23	2.05
22 07 19 00-0398	LF		5/8" I.D. (3/4" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.80 1.24	2.05
22 07 19 00-0399	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.96 1.24	2.05
22 07 19 00-0400	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.28 1.27	2.12
22 07 19 00-0401	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.62 1.29	2.15
22 07 19 00-0402	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.90 1.31	2.18
22 07 19 00-0403	LF		1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.24 1.32	2.20
22 07 19 00-0404	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.50 1.33	2.21
22 07 19 00-0405	LF		2" IPS (2-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.55 1.35	2.25
22 07 19 00-0406	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.18 1.37	2.28
22 07 19 00-0407	LF		2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.65 1.38	2.30
22 07 19 00-0408	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.04 1.39	2.31
22 07 19 00-0409	LF		3" IPS (3-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.33 1.40	2.33
22 07 19 00-0410	LF		3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.56 1.40	2.34
22 07 19 00-0411	LF		4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.79 1.43	2.37
22 07 19 00-0412	LF		4" IPS (4-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.07 1.43	2.39
22 07 19 00-0413	LF		5" I.D. (5-9/16" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.31 1.44	2.41
22 07 19 00-0414	LF		6" IPS (6-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.67 1.48	2.47
22 07 19 00-0415	LF		8" IPS (8-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	16.21 1.52	2.54
<b>22 07 19 00-0416</b>			<b>3/4" Wall Flexible Elastomeric Tubing Foam Insulation</b> <small>(22 07 19 00-0375)</small>		
22 07 19 00-0417	LF		1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.52 1.31	2.18
22 07 19 00-0418	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.76 1.33	2.21
22 07 19 00-0419	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.10 1.37	2.28
22 07 19 00-0420	LF		5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.34 1.38	2.30
22 07 19 00-0421	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.44 1.39	2.31
22 07 19 00-0422	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.00 1.43	2.37
22 07 19 00-0423	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.49 1.44	2.41
22 07 19 00-0424	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.98 1.46	2.44
22 07 19 00-0425	LF		1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.13 1.46	2.44
22 07 19 00-0426	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.31 1.48	2.46
22 07 19 00-0427	LF		2" IPS (2-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.94 1.49	2.47
22 07 19 00-0428	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.23 1.50	2.50
22 07 19 00-0429	LF		2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.96 1.51	2.52
22 07 19 00-0430	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.45 1.52	2.54
22 07 19 00-0431	LF		3" IPS (3-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.22 1.54	2.56
22 07 19 00-0432	LF		3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.50 1.55	2.57
22 07 19 00-0433	LF		4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.64 1.56	2.60



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22 07 19 00-0434	LF		4" IPS (4-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....14.57 <i>For Work In Restricted Working Space, Add</i> 1.57	14.57	2.62
22 07 19 00-0435	LF		5" IPS (5-9/16" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....16.15 <i>For Work In Restricted Working Space, Add</i> 1.58	16.15	2.63
22 07 19 00-0436	LF		6" IPS (6-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation .....17.80 <i>For Work In Restricted Working Space, Add</i> 1.60	17.80	2.67
22 07 19 00-0437	LF		8" IPS (8-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation .....19.73 <i>For Work In Restricted Working Space, Add</i> 1.64	19.73	2.73
<b>22 07 19 00-0438</b>			<b>1" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0375)</b>		
22 07 19 00-0439	LF		1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....7.96 <i>For Work In Restricted Working Space, Add</i> 1.44	7.96	2.40
22 07 19 00-0440	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....8.28 <i>For Work In Restricted Working Space, Add</i> 1.46	8.28	2.44
22 07 19 00-0441	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....8.65 <i>For Work In Restricted Working Space, Add</i> 1.50	8.65	2.50
22 07 19 00-0442	LF		5/8" I.D. (3/4" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....9.04 <i>For Work In Restricted Working Space, Add</i> 1.51	9.04	2.52
22 07 19 00-0443	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....9.38 <i>For Work In Restricted Working Space, Add</i> 1.52	9.38	2.54
22 07 19 00-0444	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....9.90 <i>For Work In Restricted Working Space, Add</i> 1.56	9.90	2.60
22 07 19 00-0445	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....10.77 <i>For Work In Restricted Working Space, Add</i> 1.60	10.77	2.67
22 07 19 00-0446	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....11.22 <i>For Work In Restricted Working Space, Add</i> 1.62	11.22	2.67
22 07 19 00-0447	LF		1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....11.87 <i>For Work In Restricted Working Space, Add</i> 1.63	11.87	2.70
22 07 19 00-0448	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....12.09 <i>For Work In Restricted Working Space, Add</i> 1.64	12.09	2.73
22 07 19 00-0449	LF		2" IPS (2-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....13.51 <i>For Work In Restricted Working Space, Add</i> 1.66	13.51	2.77
22 07 19 00-0450	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....14.60 <i>For Work In Restricted Working Space, Add</i> 1.68	14.60	2.80
22 07 19 00-0451	LF		2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....16.03 <i>For Work In Restricted Working Space, Add</i> 1.69	16.03	2.82
22 07 19 00-0452	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....16.44 <i>For Work In Restricted Working Space, Add</i> 1.70	16.44	2.84
22 07 19 00-0453	LF		3" IPS (3-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....17.18 <i>For Work In Restricted Working Space, Add</i> 1.71	17.18	2.86
22 07 19 00-0454	LF		3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....17.52 <i>For Work In Restricted Working Space, Add</i> 1.72	17.52	2.87
22 07 19 00-0455	LF		4" I.D. (4-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....20.20 <i>For Work In Restricted Working Space, Add</i> 1.76	20.20	2.94
22 07 19 00-0456	LF		4" IPS (4-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....22.02 <i>For Work In Restricted Working Space, Add</i> 1.78	22.02	2.97
22 07 19 00-0457	LF		5" IPS (5-9/16" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....24.78 <i>For Work In Restricted Working Space, Add</i> 1.80	24.78	3.00
22 07 19 00-0458	LF		6" IPS (6-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....27.61 <i>For Work In Restricted Working Space, Add</i> 1.83	27.61	3.07
<b>22 07 19 00-0459</b>			<b>1-1/2" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0375)</b>		
22 07 19 00-0460	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....14.34 <i>For Work In Restricted Working Space, Add</i> 1.62	14.34	2.69
22 07 19 00-0461	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....14.72 <i>For Work In Restricted Working Space, Add</i> 1.66	14.72	2.75
22 07 19 00-0462	LF		5/8" I.D. (3/4" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....15.12 <i>For Work In Restricted Working Space, Add</i> 1.67	15.12	2.77
22 07 19 00-0463	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....15.52 <i>For Work In Restricted Working Space, Add</i> 1.67	15.52	2.79
22 07 19 00-0464	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....15.99 <i>For Work In Restricted Working Space, Add</i> 1.71	15.99	2.86
22 07 19 00-0465	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....16.75 <i>For Work In Restricted Working Space, Add</i> 1.77	16.75	2.97
22 07 19 00-0466	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....18.09 <i>For Work In Restricted Working Space, Add</i> 1.79	18.09	2.92
22 07 19 00-0467	LF		1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....19.21 <i>For Work In Restricted Working Space, Add</i> 1.81	19.21	2.99
22 07 19 00-0468	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....19.88 <i>For Work In Restricted Working Space, Add</i> 1.83	19.88	3.07
22 07 19 00-0469	LF		2" IPS (2-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....22.13 <i>For Work In Restricted Working Space, Add</i> 1.85	22.13	3.10
22 07 19 00-0470	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....24.27 <i>For Work In Restricted Working Space, Add</i> 1.88	24.27	3.14
22 07 19 00-0471	LF		2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....25.26 <i>For Work In Restricted Working Space, Add</i> 1.89	25.26	3.15
22 07 19 00-0472	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....26.26 <i>For Work In Restricted Working Space, Add</i> 1.90	26.26	3.16
22 07 19 00-0473	LF		3" IPS (3-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....27.43 <i>For Work In Restricted Working Space, Add</i> 1.91	27.43	3.18
22 07 19 00-0474	LF		3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....28.15 <i>For Work In Restricted Working Space, Add</i> 1.91	28.15	3.19



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0475 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	32.05 1.98	3.30
22 07 19 00-0476 LF 4" IPS (4-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	34.14 2.01	3.35
22 07 19 00-0477 LF 5" IPS (5-9/16" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	39.35 2.04	3.40
22 07 19 00-0478 LF 6" IPS (6-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	44.44 2.10	3.51
<b>22 07 19 00-0479 2" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0375)</b>		
22 07 19 00-0480 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	22.79 1.79	2.98
22 07 19 00-0481 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	23.82 1.82	3.02
22 07 19 00-0482 LF 5/8" I.D. (3/4" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	25.78 1.83	3.05
22 07 19 00-0483 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	26.43 1.83	3.07
22 07 19 00-0484 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	27.99 1.88	3.13
22 07 19 00-0485 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	29.72 1.97	3.28
22 07 19 00-0486 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	30.90 1.98	3.20
22 07 19 00-0487 LF 1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	32.93 2.02	3.31
22 07 19 00-0488 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	34.88 2.06	3.42
22 07 19 00-0489 LF 2" IPS (2-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	36.21 2.07	3.46
22 07 19 00-0490 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	39.01 2.09	3.51
22 07 19 00-0491 LF 2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	39.32 2.11	3.51
22 07 19 00-0492 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	41.95 2.12	3.52
22 07 19 00-0493 LF 3" IPS (3-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	43.79 2.12	3.53
22 07 19 00-0494 LF 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	45.74 2.13	3.55
22 07 19 00-0495 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	52.02 2.23	3.72
22 07 19 00-0496 LF 4" IPS (4-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	55.68 2.27	3.79
22 07 19 00-0497 LF 5" IPS (5-9/16" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	56.64 2.32	3.86
22 07 19 00-0498 LF 6" IPS (6-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	64.28 2.41	4.03
<b>22 07 19 00-0499 Flexible Polyolefin Tubing Closed Cell Foam Insulation (22 07 19)</b> Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. No additional LF for fittings required.		
<b>22 07 19 00-0500 3/8" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0499)</b>		
22 07 19 00-0501 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	4.20 1.11	1.86
22 07 19 00-0502 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	4.28 1.12	1.86
22 07 19 00-0503 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	4.44 1.15	1.92
22 07 19 00-0504 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	4.67 1.19	1.99
22 07 19 00-0505 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	4.82 1.21	2.02
22 07 19 00-0506 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	5.12 1.23	2.05
22 07 19 00-0507 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	5.36 1.24	2.05
22 07 19 00-0508 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	5.53 1.24	2.12
22 07 19 00-0509 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	6.28 1.28	2.12
22 07 19 00-0510 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	6.97 1.30	2.15
22 07 19 00-0511 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	8.79 1.33	2.21
<b>22 07 19 00-0512 1/2" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0499)</b>		
22 07 19 00-0513 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	4.80 1.21	2.02



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0514	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	4.85	2.02	
		<i>For Work In Restricted Working Space, Add</i>	1.22		
22 07 19 00-0515	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	4.98	2.05	
		<i>For Work In Restricted Working Space, Add</i>	1.23		
22 07 19 00-0516	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.17	2.05	
		<i>For Work In Restricted Working Space, Add</i>	1.24		
22 07 19 00-0517	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.36	2.12	
		<i>For Work In Restricted Working Space, Add</i>	1.27		
22 07 19 00-0518	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.69	2.15	
		<i>For Work In Restricted Working Space, Add</i>	1.29		
22 07 19 00-0519	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.05	2.18	
		<i>For Work In Restricted Working Space, Add</i>	1.31		
22 07 19 00-0520	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.40	2.21	
		<i>For Work In Restricted Working Space, Add</i>	1.33		
22 07 19 00-0521	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.20	2.28	
		<i>For Work In Restricted Working Space, Add</i>	1.37		
22 07 19 00-0522	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.93	2.31	
		<i>For Work In Restricted Working Space, Add</i>	1.39		
22 07 19 00-0523	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.34	2.37	
		<i>For Work In Restricted Working Space, Add</i>	1.43		
<b>22 07 19 00-0524</b>		<b>3/4" Wall Flexible Polyolefin Tubing Foam Insulation</b> (22 07 19 00-0499)			
22 07 19 00-0525	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.51	2.18	
		<i>For Work In Restricted Working Space, Add</i>	1.31		
22 07 19 00-0526	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.75	2.21	
		<i>For Work In Restricted Working Space, Add</i>	1.33		
22 07 19 00-0527	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.01	2.28	
		<i>For Work In Restricted Working Space, Add</i>	1.37		
22 07 19 00-0528	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.50	2.31	
		<i>For Work In Restricted Working Space, Add</i>	1.39		
22 07 19 00-0529	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.92	2.37	
		<i>For Work In Restricted Working Space, Add</i>	1.43		
22 07 19 00-0530	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.74	2.41	
		<i>For Work In Restricted Working Space, Add</i>	1.44		
22 07 19 00-0531	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.29	2.41	
		<i>For Work In Restricted Working Space, Add</i>	1.45		
22 07 19 00-0532	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.91	2.44	
		<i>For Work In Restricted Working Space, Add</i>	1.46		
22 07 19 00-0533	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.07	2.50	
		<i>For Work In Restricted Working Space, Add</i>	1.50		
22 07 19 00-0534	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.16	2.54	
		<i>For Work In Restricted Working Space, Add</i>	1.52		
22 07 19 00-0535	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.24	2.60	
		<i>For Work In Restricted Working Space, Add</i>	1.56		
<b>22 07 19 00-0536</b>		<b>1" Wall Flexible Polyolefin Tubing Foam Insulation</b> (22 07 19 00-0499)			
22 07 19 00-0537	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.80	2.41	
		<i>For Work In Restricted Working Space, Add</i>	1.44		
22 07 19 00-0538	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.92	2.44	
		<i>For Work In Restricted Working Space, Add</i>	1.46		
22 07 19 00-0539	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.18	2.50	
		<i>For Work In Restricted Working Space, Add</i>	1.50		
22 07 19 00-0540	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.91	2.54	
		<i>For Work In Restricted Working Space, Add</i>	1.52		
22 07 19 00-0541	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.48	2.60	
		<i>For Work In Restricted Working Space, Add</i>	1.56		
22 07 19 00-0542	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.05	2.67	
		<i>For Work In Restricted Working Space, Add</i>	1.60		
22 07 19 00-0543	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.65	2.67	
		<i>For Work In Restricted Working Space, Add</i>	1.62		
22 07 19 00-0544	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.04	2.73	
		<i>For Work In Restricted Working Space, Add</i>	1.64		
22 07 19 00-0545	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.87	2.80	
		<i>For Work In Restricted Working Space, Add</i>	1.68		
22 07 19 00-0546	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	14.20	2.84	
		<i>For Work In Restricted Working Space, Add</i>	1.70		
<b>22 07 19 00-0547</b>		<b>Flexible Elastomeric Unicellular Insulation</b> (22 07 19)			
		Note: For refrigeration piping.			
22 07 19 00-0548	LF	1/2" Pipe, (5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	4.71	2.05	
		<i>For Work In Restricted Working Space, Add</i>	1.23		
		<i>For 3/8" Thick Covering, Deduct</i>	-0.44		
		<i>For 3/4" Thick Covering, Add</i>	0.86		
		<i>For 1" Thick Covering, Add</i>	1.63		
22 07 19 00-0549	LF	3/4" Pipe, (7/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover	4.85	2.05	
		<i>For Work In Restricted Working Space, Add</i>	1.24		
		<i>For 3/8" Thick Covering, Deduct</i>	-0.47		
		<i>For 3/4" Thick Covering, Add</i>	0.95		
		<i>For 1" Thick Covering, Add</i>	1.79		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0550 LF 1" Pipe, (1-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For 3/8" Thick Covering, Deduct</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i>	5.01 1.27 -0.49 1.00 1.89	2.12
22 07 19 00-0551 LF 1-1/4" Pipe, (1-3/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For 3/8" Thick Covering, Deduct</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i>	5.26 1.29 -0.54 1.15 2.16	2.15
22 07 19 00-0552 LF 1-1/2" Pipe, (1-5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For 3/8" Thick Covering, Deduct</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i>	5.52 1.31 -0.59 1.30 2.43	2.18
22 07 19 00-0553 LF 2" Pipe, (2-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For 3/8" Thick Covering, Deduct</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i>	5.78 1.33 -0.65 1.46 2.71	2.21
22 07 19 00-0554 LF 2-1/2" Pipe, (2-5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For 3/8" Thick Covering, Deduct</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i>	6.39 1.37 -0.78 1.83 3.38	2.28
22 07 19 00-0555 LF 3" Pipe, (3-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For 3/8" Thick Covering, Deduct</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i>	6.90 1.39 -0.89 2.17 4.00	2.31
22 07 19 00-0556 LF 3-1/2" Pipe, (3-5/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For 3/8" Thick Covering, Deduct</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i>	7.40 1.40 -1.01 2.51 4.61	2.34
22 07 19 00-0557 LF 4" Pipe, (4-1/8" Outside Diameter Pipe), 1/2" Thick Insulation, Flexible Elastomeric Unicellular Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For 3/8" Thick Covering, Deduct</i> <i>For 3/4" Thick Covering, Add</i> <i>For 1" Thick Covering, Add</i>	7.91 1.43 -1.12 2.85 5.22	2.37
<b>22 07 19 00-0558 Insulation Protective Jacketing</b> <small>(22 07 19)</small> Note: Jacketing only and must be added to insulation prices.		
<b>22 07 19 00-0559 Aluminum Insulation Protective Jacketing With Bands</b> <small>(22 07 19 00-0558)</small>		
<b>22 07 19 00-0560 Aluminum Roll, Insulation Protective Jacketing With Bands</b> <small>(22 07 19 00-0559)</small>		
22 07 19 00-0561 SF 0.006" Aluminum Insulation Jacket With Bands.....	9.43	3.97
22 07 19 00-0562 SF 0.010" Aluminum Insulation Jacket With Bands.....	9.62	3.97
22 07 19 00-0563 SF 0.016" Aluminum Insulation Jacket With Bands.....	9.80	3.97
22 07 19 00-0564 SF 0.024" Aluminum Insulation Jacket With Bands.....	10.13	3.97
22 07 19 00-0565 SF 0.020" Aluminum Insulation Jacket With Bands.....	9.97	3.97
<b>22 07 19 00-0566 16 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands</b> <small>(22 07 19 00-0559)</small>		
22 07 19 00-0567 LF 1/2" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	4.81 0.00 0.01	1.13
22 07 19 00-0568 LF 3/4" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	4.99 0.00 0.01	1.15
22 07 19 00-0569 LF 1" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	5.19 0.00 0.01	1.18
22 07 19 00-0570 LF 1-1/4" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	5.40 0.01 0.01	1.21
22 07 19 00-0571 LF 1-1/2" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	5.55 0.01 0.02	1.23
22 07 19 00-0572 LF 1-3/4" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	5.71 0.01 0.02	1.24
22 07 19 00-0573 LF 2" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	5.90 0.01 0.02	1.27
22 07 19 00-0574 LF 2-1/4" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.11 0.01 0.02	1.30
22 07 19 00-0575 LF 2-1/2" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.32 0.01 0.03	1.32

**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0576	LF		2-3/4" ID, 0.016" Aluminum Insulation Jacketing .....	6.48	1.35
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.03	
22 07 19 00-0577	LF		3" ID, 0.016" Aluminum Insulation Jacketing.....	6.70	1.38
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.03	
22 07 19 00-0578	LF		3-1/4" ID, 0.016" Aluminum Insulation Jacketing .....	6.92	1.41
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.03	
22 07 19 00-0579	LF		3-1/2" ID, 0.016" Aluminum Insulation Jacketing .....	7.14	1.44
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.03	
22 07 19 00-0580	LF		3-3/4" ID, 0.016" Aluminum Insulation Jacketing .....	7.32	1.46
			For Stucco Embossed, Add	0.01	
			For Corrugated, Add	0.04	
22 07 19 00-0581	LF		4" ID, 0.016" Aluminum Insulation Jacketing.....	7.55	1.50
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.04	
22 07 19 00-0582	LF		4-1/4" ID, 0.016" Aluminum Insulation Jacketing .....	7.79	1.54
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.04	
22 07 19 00-0583	LF		4-1/2" ID, 0.016" Aluminum Insulation Jacketing .....	8.05	1.58
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.04	
22 07 19 00-0584	LF		4-3/4" ID, 0.016" Aluminum Insulation Jacketing .....	8.25	1.61
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.05	
22 07 19 00-0585	LF		5" ID, 0.016" Aluminum Insulation Jacketing.....	8.51	1.65
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.05	
22 07 19 00-0586	LF		5-1/4" ID, 0.016" Aluminum Insulation Jacketing .....	8.78	1.70
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.05	
22 07 19 00-0587	LF		5-1/2" ID, 0.016" Aluminum Insulation Jacketing .....	9.01	1.74
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.05	
22 07 19 00-0588	LF		5-3/4" ID, 0.016" Aluminum Insulation Jacketing .....	9.30	1.79
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.05	
22 07 19 00-0589	LF		6" ID, 0.016" Aluminum Insulation Jacketing.....	9.60	1.84
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.06	
22 07 19 00-0590	LF		6-1/4" ID, 0.016" Aluminum Insulation Jacketing .....	9.81	1.87
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.06	
22 07 19 00-0591	LF		6-1/2" ID, 0.016" Aluminum Insulation Jacketing .....	10.01	1.90
			For Stucco Embossed, Add	0.02	
			For Corrugated, Add	0.06	
22 07 19 00-0592	LF		7" ID, 0.016" Aluminum Insulation Jacketing.....	10.35	1.94
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.07	
22 07 19 00-0593	LF		7-1/4" ID, 0.016" Aluminum Insulation Jacketing .....	10.62	1.99
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.07	
22 07 19 00-0594	LF		7-1/2" ID, 0.016" Aluminum Insulation Jacketing .....	10.84	2.02
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.07	
22 07 19 00-0595	LF		8" ID, 0.016" Aluminum Insulation Jacketing.....	11.15	2.05
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.07	
22 07 19 00-0596	LF		8-1/2" ID, 0.016" Aluminum Insulation Jacketing .....	11.46	2.09
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.08	
22 07 19 00-0597	LF		9" ID, 0.016" Aluminum Insulation Jacketing.....	11.85	2.14
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.08	
22 07 19 00-0598	LF		9-1/2" ID, 0.016" Aluminum Insulation Jacketing .....	12.19	2.18
			For Stucco Embossed, Add	0.03	
			For Corrugated, Add	0.09	
22 07 19 00-0599	LF		10" ID, 0.016" Aluminum Insulation Jacketing.....	12.52	2.21
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.09	
22 07 19 00-0600	LF		10-1/2" ID, 0.016" Aluminum Insulation Jacketing .....	12.86	2.25
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.10	
22 07 19 00-0601	LF		11" ID, 0.0106 Aluminum Insulation Jacketing.....	13.28	2.32
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.10	
22 07 19 00-0602	LF		11-1/2" ID, 0.016" Aluminum Insulation Jacketing .....	13.64	2.36
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.11	
22 07 19 00-0603	LF		12" ID, 0.016" Aluminum Insulation Jacketing.....	14.00	2.41
			For Stucco Embossed, Add	0.04	
			For Corrugated, Add	0.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0604 LF 12-1/2" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.47 0.05 0.11	2.48
22 07 19 00-0605 LF 13" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.74 0.05 0.12	2.50
22 07 19 00-0606 LF 14" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.20 0.05 0.13	2.53
22 07 19 00-0607 LF 15" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.76 0.05 0.14	2.58
22 07 19 00-0608 LF 16" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.23 0.06 0.14	2.61
22 07 19 00-0609 LF 17" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.80 0.06 0.15	2.66
22 07 19 00-0610 LF 18" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.16 0.06 0.16	2.69
22 07 19 00-0611 LF 19" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.87 0.07 0.17	2.75
22 07 19 00-0612 LF 20" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.36 0.07 0.18	2.78
22 07 19 00-0613 LF 21" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.96 0.08 0.19	2.85
22 07 19 00-0614 LF 22" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.44 0.08 0.20	2.89
22 07 19 00-0615 LF 23" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.07 0.08 0.21	2.96
22 07 19 00-0616 LF 24" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.57 0.09 0.22	2.99
<b>22 07 19 00-0617 20 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0559)</b>		
22 07 19 00-0618 LF 1/2" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	5.33 0.00 0.01	1.24
22 07 19 00-0619 LF 3/4" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	5.56 0.00 0.01	1.27
22 07 19 00-0620 LF 1" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	5.80 0.01 0.02	1.30
22 07 19 00-0621 LF 1-1/4" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.03 0.01 0.02	1.33
22 07 19 00-0622 LF 1-1/2" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.22 0.01 0.02	1.35
22 07 19 00-0623 LF 1-3/4" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.41 0.01 0.02	1.37
22 07 19 00-0624 LF 2" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.64 0.01 0.03	1.40
22 07 19 00-0625 LF 2-1/4" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.86 0.01 0.03	1.43
22 07 19 00-0626 LF 2-1/2" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	7.11 0.01 0.03	1.46
22 07 19 00-0627 LF 2-3/4" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	7.32 0.01 0.03	1.48
22 07 19 00-0628 LF 3" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	7.57 0.02 0.04	1.51
22 07 19 00-0629 LF 3-1/4" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	7.81 0.02 0.04	1.55
22 07 19 00-0630 LF 3-1/2" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.09 0.02 0.04	1.58
22 07 19 00-0631 LF 3-3/4" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.31 0.02 0.05	1.61



**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0632	LF		4" ID, 0.020" Aluminum Insulation Jacketing.....	8.57	1.65
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.05	
22 07 19 00-0633	LF		4-1/4" ID, 0.020" Aluminum Insulation Jacketing .....	8.85	1.70
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.05	
22 07 19 00-0634	LF		4-1/2" ID, 0.020" Aluminum Insulation Jacketing .....	9.14	1.74
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.05	
22 07 19 00-0635	LF		4-3/4" ID, 0.020" Aluminum Insulation Jacketing .....	9.38	1.78
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.06	
22 07 19 00-0636	LF		5" ID, 0.020" Aluminum Insulation Jacketing.....	9.69	1.82
			<i>For Stucco Embossed, Add</i>	0.02	
			<i>For Corrugated, Add</i>	0.06	
22 07 19 00-0637	LF		5-1/4" ID, 0.020" Aluminum Insulation Jacketing .....	10.01	1.87
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.06	
22 07 19 00-0638	LF		5-1/2" ID, 0.020" Aluminum Insulation Jacketing .....	10.27	1.91
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.07	
22 07 19 00-0639	LF		5-3/4" ID, 0.020" Aluminum Insulation Jacketing .....	10.61	1.96
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.07	
22 07 19 00-0640	LF		6" ID, 0.020" Aluminum Insulation Jacketing.....	10.95	2.02
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.07	
22 07 19 00-0641	LF		6-1/4" ID, 0.020" Aluminum Insulation Jacketing .....	11.18	2.05
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.07	
22 07 19 00-0642	LF		6-1/2" ID, 0.020" Aluminum Insulation Jacketing .....	11.42	2.08
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.08	
22 07 19 00-0643	LF		7" ID, 0.020" Aluminum Insulation Jacketing.....	11.83	2.13
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.08	
22 07 19 00-0644	LF		7-1/4" ID, 0.020" Aluminum Insulation Jacketing .....	12.14	2.18
			<i>For Stucco Embossed, Add</i>	0.03	
			<i>For Corrugated, Add</i>	0.09	
22 07 19 00-0645	LF		7-1/2" ID, 0.020" Aluminum Insulation Jacketing .....	12.40	2.22
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.09	
22 07 19 00-0646	LF		8" ID, 0.020" Aluminum Insulation Jacketing.....	12.77	2.26
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.09	
22 07 19 00-0647	LF		8-1/2" ID, 0.020" Aluminum Insulation Jacketing .....	13.14	2.29
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.10	
22 07 19 00-0648	LF		9" ID, 0.020" Aluminum Insulation Jacketing.....	13.59	2.35
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.10	
22 07 19 00-0649	LF		9-1/2" ID, 0.020" Aluminum Insulation Jacketing .....	14.00	2.39
			<i>For Stucco Embossed, Add</i>	0.04	
			<i>For Corrugated, Add</i>	0.11	
22 07 19 00-0650	LF		10" ID, 0.020" Aluminum Insulation Jacketing.....	14.40	2.43
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.12	
22 07 19 00-0651	LF		10-1/2" ID, 0.020" Aluminum Insulation Jacketing .....	14.79	2.48
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.12	
22 07 19 00-0652	LF		11" ID, 0.0106 Aluminum Insulation Jacketing.....	15.29	2.55
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.13	
22 07 19 00-0653	LF		11-1/2" ID, 0.020" Aluminum Insulation Jacketing .....	15.72	2.59
			<i>For Stucco Embossed, Add</i>	0.05	
			<i>For Corrugated, Add</i>	0.13	
22 07 19 00-0654	LF		12" ID, 0.020" Aluminum Insulation Jacketing.....	16.14	2.64
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.14	
22 07 19 00-0655	LF		12-1/2" ID, 0.020" Aluminum Insulation Jacketing .....	16.68	2.72
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.14	
22 07 19 00-0656	LF		13" ID, 0.020" Aluminum Insulation Jacketing.....	17.02	2.75
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.15	
22 07 19 00-0657	LF		14" ID, 0.020" Aluminum Insulation Jacketing.....	17.58	2.78
			<i>For Stucco Embossed, Add</i>	0.06	
			<i>For Corrugated, Add</i>	0.16	
22 07 19 00-0658	LF		15" ID, 0.020" Aluminum Insulation Jacketing.....	18.26	2.85
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.17	
22 07 19 00-0659	LF		16" ID, 0.020" Aluminum Insulation Jacketing.....	18.84	2.88
			<i>For Stucco Embossed, Add</i>	0.07	
			<i>For Corrugated, Add</i>	0.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0660 LF 17" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.53 0.08 0.20	2.94
22 07 19 00-0661 LF 18" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.96 0.08 0.20	2.97
22 07 19 00-0662 LF 19" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.83 0.09 0.22	3.03
22 07 19 00-0663 LF 20" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.42 0.09 0.23	3.07
22 07 19 00-0664 LF 21" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.14 0.10 0.24	3.14
22 07 19 00-0665 LF 22" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.73 0.10 0.25	3.17
22 07 19 00-0666 LF 23" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.49 0.11 0.26	3.25
22 07 19 00-0667 LF 24" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.10 0.11 0.27	3.29
 <b>22 07 19 00-0668 24 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands</b> <small>(22 07 19 00-0559)</small>		
22 07 19 00-0669 LF 1/2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	5.86 0.00 0.01	1.35
22 07 19 00-0670 LF 3/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.12 0.01 0.01	1.38
22 07 19 00-0671 LF 1" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.38 0.01 0.02	1.41
22 07 19 00-0672 LF 1-1/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.65 0.01 0.02	1.45
22 07 19 00-0673 LF 1-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.87 0.01 0.02	1.47
22 07 19 00-0674 LF 1-3/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	7.09 0.01 0.03	1.49
22 07 19 00-0675 LF 2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	7.35 0.01 0.03	1.52
22 07 19 00-0676 LF 2-1/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	7.62 0.01 0.03	1.55
22 07 19 00-0677 LF 2-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	7.90 0.02 0.04	1.59
22 07 19 00-0678 LF 2-3/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.13 0.02 0.04	1.61
22 07 19 00-0679 LF 3" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.42 0.02 0.05	1.65
22 07 19 00-0680 LF 3-1/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.70 0.02 0.05	1.70
22 07 19 00-0681 LF 3-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.00 0.02 0.05	1.73
22 07 19 00-0682 LF 3-3/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.25 0.02 0.06	1.76
22 07 19 00-0683 LF 4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.55 0.02 0.06	1.81
22 07 19 00-0684 LF 4-1/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.88 0.02 0.06	1.85
22 07 19 00-0685 LF 4-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.20 0.03 0.07	1.90
22 07 19 00-0686 LF 4-3/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.49 0.03 0.07	1.94
22 07 19 00-0687 LF 5" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.82 0.03 0.07	1.99

**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0688 LF 5-1/4" ID, 0.024" Aluminum Insulation Jacketing .....	11.17	2.04
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.08	
22 07 19 00-0689 LF 5-1/2" ID, 0.024" Aluminum Insulation Jacketing .....	11.48	2.08
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.08	
22 07 19 00-0690 LF 5-3/4" ID, 0.024" Aluminum Insulation Jacketing .....	11.88	2.14
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.08	
22 07 19 00-0691 LF 6" ID, 0.024" Aluminum Insulation Jacketing.....	12.26	2.20
For Stucco Embossed, Add	0.03	
For Corrugated, Add	0.09	
22 07 19 00-0692 LF 6-1/4" ID, 0.024" Aluminum Insulation Jacketing .....	12.52	2.24
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.09	
22 07 19 00-0693 LF 6-1/2" ID, 0.024" Aluminum Insulation Jacketing .....	12.79	2.27
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.09	
22 07 19 00-0694 LF 7" ID, 0.024" Aluminum Insulation Jacketing.....	13.25	2.32
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.10	
22 07 19 00-0695 LF 7-1/4" ID, 0.024" Aluminum Insulation Jacketing .....	13.61	2.38
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.10	
22 07 19 00-0696 LF 7-1/2" ID, 0.024" Aluminum Insulation Jacketing .....	13.90	2.42
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.11	
22 07 19 00-0697 LF 8" ID, 0.024" Aluminum Insulation Jacketing.....	14.34	2.46
For Stucco Embossed, Add	0.04	
For Corrugated, Add	0.11	
22 07 19 00-0698 LF 8-1/2" ID, 0.024" Aluminum Insulation Jacketing .....	14.75	2.50
For Stucco Embossed, Add	0.05	
For Corrugated, Add	0.12	
22 07 19 00-0699 LF 9" ID, 0.024" Aluminum Insulation Jacketing.....	15.28	2.56
For Stucco Embossed, Add	0.05	
For Corrugated, Add	0.13	
22 07 19 00-0700 LF 9-1/2" ID, 0.024" Aluminum Insulation Jacketing .....	15.74	2.61
For Stucco Embossed, Add	0.05	
For Corrugated, Add	0.13	
22 07 19 00-0701 LF 10" ID, 0.024" Aluminum Insulation Jacketing.....	16.18	2.65
For Stucco Embossed, Add	0.06	
For Corrugated, Add	0.14	
22 07 19 00-0702 LF 10-1/2" ID, 0.024" Aluminum Insulation Jacketing .....	16.65	2.70
For Stucco Embossed, Add	0.06	
For Corrugated, Add	0.15	
22 07 19 00-0703 LF 11" ID, 0.0106 Aluminum Insulation Jacketing.....	17.22	2.78
For Stucco Embossed, Add	0.06	
For Corrugated, Add	0.15	
22 07 19 00-0704 LF 11-1/2" ID, 0.024" Aluminum Insulation Jacketing .....	17.71	2.84
For Stucco Embossed, Add	0.06	
For Corrugated, Add	0.16	
22 07 19 00-0705 LF 12" ID, 0.024" Aluminum Insulation Jacketing.....	18.19	2.89
For Stucco Embossed, Add	0.07	
For Corrugated, Add	0.17	
22 07 19 00-0706 LF 12-1/2" ID, 0.024" Aluminum Insulation Jacketing .....	18.82	2.98
For Stucco Embossed, Add	0.07	
For Corrugated, Add	0.17	
22 07 19 00-0707 LF 13" ID, 0.024" Aluminum Insulation Jacketing.....	19.21	3.01
For Stucco Embossed, Add	0.07	
For Corrugated, Add	0.18	
22 07 19 00-0708 LF 14" ID, 0.024" Aluminum Insulation Jacketing.....	19.87	3.04
For Stucco Embossed, Add	0.08	
For Corrugated, Add	0.19	
22 07 19 00-0709 LF 15" ID, 0.024" Aluminum Insulation Jacketing.....	20.66	3.10
For Stucco Embossed, Add	0.08	
For Corrugated, Add	0.21	
22 07 19 00-0710 LF 16" ID, 0.024" Aluminum Insulation Jacketing.....	21.33	3.13
For Stucco Embossed, Add	0.09	
For Corrugated, Add	0.22	
22 07 19 00-0711 LF 17" ID, 0.024" Aluminum Insulation Jacketing.....	22.13	3.20
For Stucco Embossed, Add	0.09	
For Corrugated, Add	0.23	
22 07 19 00-0712 LF 18" ID, 0.024" Aluminum Insulation Jacketing.....	22.63	3.24
For Stucco Embossed, Add	0.10	
For Corrugated, Add	0.24	
22 07 19 00-0713 LF 19" ID, 0.024" Aluminum Insulation Jacketing.....	23.65	3.31
For Stucco Embossed, Add	0.10	
For Corrugated, Add	0.26	
22 07 19 00-0714 LF 20" ID, 0.024" Aluminum Insulation Jacketing.....	24.33	3.34
For Stucco Embossed, Add	0.11	
For Corrugated, Add	0.27	
22 07 19 00-0715 LF 21" ID, 0.024" Aluminum Insulation Jacketing.....	25.18	3.42
For Stucco Embossed, Add	0.12	
For Corrugated, Add	0.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0716 LF 22" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.87 0.12 0.30	3.46
22 07 19 00-0717 LF 23" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.75 0.13 0.31	3.54
22 07 19 00-0718 LF 24" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.45 0.13 0.33	3.58
<b>22 07 19 00-0719 32 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands</b> <small>(22 07 19 00-0559)</small>		
22 07 19 00-0720 LF 1/2" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.59 0.01 0.02	1.50
22 07 19 00-0721 LF 3/4" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	6.91 0.01 0.02	1.53
22 07 19 00-0722 LF 1" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	7.25 0.01 0.02	1.57
22 07 19 00-0723 LF 1-1/4" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	7.58 0.01 0.03	1.60
22 07 19 00-0724 LF 1-1/2" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	7.85 0.01 0.03	1.63
22 07 19 00-0725 LF 1-3/4" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.12 0.01 0.04	1.65
22 07 19 00-0726 LF 2" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.43 0.02 0.04	1.70
22 07 19 00-0727 LF 2-1/4" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.76 0.02 0.05	1.73
22 07 19 00-0728 LF 2-1/2" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.10 0.02 0.05	1.77
22 07 19 00-0729 LF 2-3/4" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.40 0.02 0.06	1.80
22 07 19 00-0730 LF 3" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.75 0.02 0.06	1.84
22 07 19 00-0731 LF 3-1/4" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.11 0.03 0.07	1.88
22 07 19 00-0732 LF 3-1/2" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.46 0.03 0.07	1.92
22 07 19 00-0733 LF 3-3/4" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.78 0.03 0.07	1.95
22 07 19 00-0734 LF 4" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.13 0.03 0.08	2.00
22 07 19 00-0735 LF 4-1/4" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.51 0.03 0.08	2.05
22 07 19 00-0736 LF 4-1/2" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.92 0.04 0.09	2.10
22 07 19 00-0737 LF 4-3/4" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.27 0.04 0.09	2.14
22 07 19 00-0738 LF 5" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.68 0.04 0.10	2.20
22 07 19 00-0739 LF 5-1/4" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.10 0.04 0.10	2.26
22 07 19 00-0740 LF 5-1/2" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.46 0.04 0.11	2.31
22 07 19 00-0741 LF 5-3/4" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.93 0.04 0.11	2.37
22 07 19 00-0742 LF 6" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.39 0.05 0.12	2.44
22 07 19 00-0743 LF 6-1/4" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.71 0.05 0.12	2.48

**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0744 LF 6-1/2" ID, 0.032" Aluminum Insulation Jacketing .....	15.04	2.52
For Stucco Embossed, Add	0.05	
For Corrugated, Add	0.12	
22 07 19 00-0745 LF 7" ID, 0.032" Aluminum Insulation Jacketing.....	15.61	2.57
For Stucco Embossed, Add	0.05	
For Corrugated, Add	0.13	
22 07 19 00-0746 LF 7-1/4" ID, 0.032" Aluminum Insulation Jacketing .....	16.03	2.63
For Stucco Embossed, Add	0.05	
For Corrugated, Add	0.14	
22 07 19 00-0747 LF 7-1/2" ID, 0.032" Aluminum Insulation Jacketing .....	16.38	2.68
For Stucco Embossed, Add	0.06	
For Corrugated, Add	0.14	
22 07 19 00-0748 LF 8" ID, 0.032" Aluminum Insulation Jacketing.....	16.93	2.72
For Stucco Embossed, Add	0.06	
For Corrugated, Add	0.15	
22 07 19 00-0749 LF 8-1/2" ID, 0.032" Aluminum Insulation Jacketing .....	17.47	2.77
For Stucco Embossed, Add	0.06	
For Corrugated, Add	0.16	
22 07 19 00-0750 LF 9" ID, 0.032" Aluminum Insulation Jacketing.....	18.10	2.85
For Stucco Embossed, Add	0.07	
For Corrugated, Add	0.17	
22 07 19 00-0751 LF 9-1/2" ID, 0.032" Aluminum Insulation Jacketing .....	18.68	2.90
For Stucco Embossed, Add	0.07	
For Corrugated, Add	0.18	
22 07 19 00-0752 LF 10" ID, 0.032" Aluminum Insulation Jacketing.....	19.24	2.95
For Stucco Embossed, Add	0.07	
For Corrugated, Add	0.19	
22 07 19 00-0753 LF 10-1/2" ID, 0.032" Aluminum Insulation Jacketing .....	19.83	3.00
For Stucco Embossed, Add	0.08	
For Corrugated, Add	0.20	
22 07 19 00-0754 LF 11" ID, 0.0106 Aluminum Insulation Jacketing.....	20.51	3.08
For Stucco Embossed, Add	0.08	
For Corrugated, Add	0.20	
22 07 19 00-0755 LF 11-1/2" ID, 0.032" Aluminum Insulation Jacketing .....	21.12	3.14
For Stucco Embossed, Add	0.09	
For Corrugated, Add	0.21	
22 07 19 00-0756 LF 12" ID, 0.032" Aluminum Insulation Jacketing.....	21.72	3.20
For Stucco Embossed, Add	0.09	
For Corrugated, Add	0.22	
22 07 19 00-0757 LF 12-1/2" ID, 0.032" Aluminum Insulation Jacketing .....	22.46	3.30
For Stucco Embossed, Add	0.09	
For Corrugated, Add	0.23	
22 07 19 00-0758 LF 13" ID, 0.032" Aluminum Insulation Jacketing.....	22.96	3.33
For Stucco Embossed, Add	0.10	
For Corrugated, Add	0.24	
22 07 19 00-0759 LF 14" ID, 0.032" Aluminum Insulation Jacketing.....	23.83	3.37
For Stucco Embossed, Add	0.10	
For Corrugated, Add	0.26	
22 07 19 00-0760 LF 15" ID, 0.032" Aluminum Insulation Jacketing.....	24.82	3.43
For Stucco Embossed, Add	0.11	
For Corrugated, Add	0.28	
22 07 19 00-0761 LF 16" ID, 0.032" Aluminum Insulation Jacketing.....	25.70	3.47
For Stucco Embossed, Add	0.12	
For Corrugated, Add	0.30	
22 07 19 00-0762 LF 17" ID, 0.032" Aluminum Insulation Jacketing.....	26.72	3.54
For Stucco Embossed, Add	0.13	
For Corrugated, Add	0.31	
22 07 19 00-0763 LF 18" ID, 0.032" Aluminum Insulation Jacketing.....	27.36	3.58
For Stucco Embossed, Add	0.13	
For Corrugated, Add	0.33	
22 07 19 00-0764 LF 19" ID, 0.032" Aluminum Insulation Jacketing.....	28.64	3.66
For Stucco Embossed, Add	0.14	
For Corrugated, Add	0.35	
22 07 19 00-0765 LF 20" ID, 0.032" Aluminum Insulation Jacketing.....	29.53	3.70
For Stucco Embossed, Add	0.15	
For Corrugated, Add	0.37	
22 07 19 00-0766 LF 21" ID, 0.032" Aluminum Insulation Jacketing.....	30.59	3.79
For Stucco Embossed, Add	0.15	
For Corrugated, Add	0.39	
22 07 19 00-0767 LF 22" ID, 0.032" Aluminum Insulation Jacketing.....	31.48	3.83
For Stucco Embossed, Add	0.16	
For Corrugated, Add	0.40	
22 07 19 00-0768 LF 23" ID, 0.032" Aluminum Insulation Jacketing.....	32.58	3.92
For Stucco Embossed, Add	0.17	
For Corrugated, Add	0.42	
22 07 19 00-0769 LF 24" ID, 0.032" Aluminum Insulation Jacketing.....	33.48	3.98
For Stucco Embossed, Add	0.18	
For Corrugated, Add	0.44	
22 07 19 00-0770 40 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands <small>(22 07 19 00-0559)</small>		
22 07 19 00-0771 LF 1/2" ID, 0.040" Aluminum Insulation Jacketing.....	7.66	1.73
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0772 LF 3/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.04 0.01 0.02	1.77
22 07 19 00-0773 LF 1" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.42 0.01 0.03	1.81
22 07 19 00-0774 LF 1-1/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	8.84 0.01 0.04	1.85
22 07 19 00-0775 LF 1-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.17 0.02 0.04	1.88
22 07 19 00-0776 LF 1-3/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.50 0.02 0.05	1.91
22 07 19 00-0777 LF 2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	9.88 0.02 0.05	1.95
22 07 19 00-0778 LF 2-1/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.26 0.02 0.06	1.99
22 07 19 00-0779 LF 2-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.68 0.03 0.06	2.03
22 07 19 00-0780 LF 2-3/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.04 0.03 0.07	2.06
22 07 19 00-0781 LF 3" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.48 0.03 0.08	2.11
22 07 19 00-0782 LF 3-1/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.90 0.03 0.08	2.16
22 07 19 00-0783 LF 3-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.32 0.04 0.09	2.21
22 07 19 00-0784 LF 3-3/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.70 0.04 0.09	2.24
22 07 19 00-0785 LF 4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.14 0.04 0.10	2.30
22 07 19 00-0786 LF 4-1/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.59 0.04 0.10	2.36
22 07 19 00-0787 LF 4-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.09 0.04 0.11	2.42
22 07 19 00-0788 LF 4-3/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.50 0.05 0.12	2.46
22 07 19 00-0789 LF 5" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.99 0.05 0.12	2.53
22 07 19 00-0790 LF 5-1/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.48 0.05 0.13	2.60
22 07 19 00-0791 LF 5-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.93 0.05 0.13	2.65
22 07 19 00-0792 LF 5-3/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.49 0.06 0.14	2.73
22 07 19 00-0793 LF 6" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.03 0.06 0.14	2.81
22 07 19 00-0794 LF 6-1/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.43 0.06 0.15	2.86
22 07 19 00-0795 LF 6-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.82 0.06 0.16	2.90
22 07 19 00-0796 LF 7" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.51 0.07 0.17	2.97
22 07 19 00-0797 LF 7-1/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.02 0.07 0.17	3.04
22 07 19 00-0798 LF 7-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.45 0.07 0.18	3.09
22 07 19 00-0799 LF 8" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.10 0.08 0.19	3.14

**22 Plumbing**  
**22 07 Plumbing Insulation**  
**22 07 19 Plumbing Piping Insulation**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0800	LF		8-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	20.75 0.08 0.20	3.19
22 07 19 00-0801	LF		9" ID, 0.040" Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	21.54 0.08 0.21	3.27
22 07 19 00-0802	LF		9-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	22.24 0.09 0.22	3.33
22 07 19 00-0803	LF		10" ID, 0.040" Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	22.92 0.09 0.23	3.39
22 07 19 00-0804	LF		10-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	23.61 0.10 0.25	3.45
22 07 19 00-0805	LF		11" ID, 0.0106 Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	24.46 0.10 0.26	3.54
22 07 19 00-0806	LF		11-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	25.19 0.11 0.27	3.61
22 07 19 00-0807	LF		12" ID, 0.040" Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	25.92 0.11 0.28	3.68
22 07 19 00-0808	LF		12-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	26.81 0.12 0.29	3.79
22 07 19 00-0809	LF		13" ID, 0.040" Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	27.42 0.12 0.30	3.83
22 07 19 00-0810	LF		14" ID, 0.040" Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	28.50 0.13 0.33	3.87
22 07 19 00-0811	LF		15" ID, 0.040" Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	29.72 0.14 0.35	3.96
22 07 19 00-0812	LF		16" ID, 0.040" Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	30.80 0.15 0.37	4.00
22 07 19 00-0813	LF		17" ID, 0.040" Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	32.03 0.16 0.39	4.08
22 07 19 00-0814	LF		18" ID, 0.040" Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	32.84 0.16 0.41	4.13
22 07 19 00-0815	LF		19" ID, 0.040" Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	34.40 0.18 0.44	4.22
22 07 19 00-0816	LF		20" ID, 0.040" Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	35.52 0.18 0.46	4.26
22 07 19 00-0817	LF		21" ID, 0.040" Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	36.80 0.19 0.48	4.36
22 07 19 00-0818	LF		22" ID, 0.040" Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	37.91 0.20 0.51	4.41
22 07 19 00-0819	LF		23" ID, 0.040" Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	39.25 0.21 0.53	4.52
22 07 19 00-0820	LF		24" ID, 0.040" Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	40.35 0.22 0.55	4.57
22 07 19 00-0821			<b>Aluminum Insulation Protective Jacketing For Fittings</b> (22 07 19 00-0559)		
22 07 19 00-0822	EA		1-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	11.52	1.78
22 07 19 00-0823	EA		1-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	11.78	1.84
22 07 19 00-0824	EA		2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	13.21	1.91
22 07 19 00-0825	EA		2-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	13.33	1.94
22 07 19 00-0826	EA		2-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	13.45	1.97
22 07 19 00-0827	EA		2-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	13.64	2.02
22 07 19 00-0828	EA		3" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	14.31	2.07
22 07 19 00-0829	EA		3-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	14.53	2.12
22 07 19 00-0830	EA		3-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	15.79	2.16
22 07 19 00-0831	EA		3-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	16.12	2.19
22 07 19 00-0832	EA		4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	16.70	2.25
22 07 19 00-0833	EA		4-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	17.08	2.30
22 07 19 00-0834	EA		4-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	17.25	2.34
22 07 19 00-0835	EA		4-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	17.43	2.38
22 07 19 00-0836	EA		5" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	18.64	2.43
22 07 19 00-0837	EA		5-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	20.19	2.48
22 07 19 00-0838	EA		5-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	23.02	2.55
22 07 19 00-0839	EA		5-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	23.24	2.61



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0840	EA		6" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	21.70	2.69
22 07 19 00-0841	EA		6-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	21.94	2.75
22 07 19 00-0842	EA		6-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	24.55	2.85
22 07 19 00-0843	EA		7" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	27.63	2.92
22 07 19 00-0844	EA		7-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	27.76	2.96
22 07 19 00-0845	EA		7-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	35.41	2.99
22 07 19 00-0846	EA		8" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	29.60	3.03
22 07 19 00-0847	EA		8-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	44.73	3.10
22 07 19 00-0848	EA		9" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	45.04	3.18
22 07 19 00-0849	EA		9-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	36.66	3.22
22 07 19 00-0850	EA		10" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	36.83	3.26
22 07 19 00-0851	EA		10-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	37.53	3.31
22 07 19 00-0852	EA		11" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	37.70	3.35
22 07 19 00-0853	EA		11-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	41.39	3.44
22 07 19 00-0854	EA		12" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	41.59	3.49
22 07 19 00-0855	EA		12-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	63.54	3.59
22 07 19 00-0856	EA		13" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	63.75	3.64
22 07 19 00-0857	EA		14" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	80.94	3.75
22 07 19 00-0858	EA		15" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	84.42	3.87
22 07 19 00-0859	EA		16" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	90.92	3.93
22 07 19 00-0860	EA		2-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	12.48	1.97
22 07 19 00-0861	EA		2-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	12.67	2.02
22 07 19 00-0862	EA		3" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	13.47	2.07
22 07 19 00-0863	EA		3-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	13.69	2.12
22 07 19 00-0864	EA		3-1/2" ID Aluminum 45 Degree Elbow Insulation Jacketing.....	14.58	2.16
22 07 19 00-0865	EA		3-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	14.73	2.19
22 07 19 00-0866	EA		4" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	15.06	2.25
22 07 19 00-0867	EA		4-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	16.08	2.30
22 07 19 00-0868	EA		4-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	16.25	2.34
22 07 19 00-0869	EA		4-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	16.43	2.38
22 07 19 00-0870	EA		5" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	17.83	2.43
22 07 19 00-0871	EA		5-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	18.02	2.48
22 07 19 00-0872	EA		5-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	18.71	2.55
22 07 19 00-0873	EA		6" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	19.27	2.69
22 07 19 00-0874	EA		6-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	23.13	2.85
22 07 19 00-0875	EA		7" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	23.40	2.92
22 07 19 00-0876	EA		7-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	23.79	2.99
22 07 19 00-0877	EA		8" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	23.94	3.03
22 07 19 00-0878	EA		8-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	27.12	3.10
22 07 19 00-0879	EA		9" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	27.43	3.18
22 07 19 00-0880	EA		9-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	33.32	3.22
22 07 19 00-0881	EA		10" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	33.49	3.26
22 07 19 00-0882	EA		10-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	32.34	3.31
22 07 19 00-0883	EA		11" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	32.51	3.35
22 07 19 00-0884	EA		11-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	36.73	3.44
22 07 19 00-0885	EA		12" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	36.93	3.49
22 07 19 00-0886	EA		13" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	41.54	3.64
22 07 19 00-0887	EA		14" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	48.09	3.75
22 07 19 00-0888	EA		15" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	66.45	3.87
22 07 19 00-0889	EA		16" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	70.98	3.93
22 07 19 00-0890	EA		17" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	69.93	4.00
22 07 19 00-0891	EA		18" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	77.78	4.07
22 07 19 00-0892	EA		19" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	91.68	4.14
22 07 19 00-0893	EA		20" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	89.49	4.21
22 07 19 00-0894	EA		21" ID, Aluminum 45 Degree Elbow Insulation Jacketing .....	95.56	4.28
22 07 19 00-0895	EA		2-1/2" ID, Aluminum Tee Insulation Jacketing .....	42.94	2.81
22 07 19 00-0896	EA		2-3/4" ID, Aluminum Tee Insulation Jacketing .....	43.20	2.89
22 07 19 00-0897	EA		3" ID, Aluminum Tee Insulation Jacketing .....	47.58	2.96
22 07 19 00-0898	EA		3-1/4" ID, Aluminum Tee Insulation Jacketing .....	47.88	3.03
22 07 19 00-0899	EA		3-1/2" ID Aluminum Tee Insulation Jacketing .....	49.90	3.10
22 07 19 00-0900	EA		4" ID, Aluminum Tee Insulation Jacketing .....	50.61	3.18
22 07 19 00-0901	EA		4-1/4" ID, Aluminum Tee Insulation Jacketing .....	53.14	3.26
22 07 19 00-0902	EA		4-1/2" ID, Aluminum Tee Insulation Jacketing .....	53.16	3.35
22 07 19 00-0903	EA		4-3/4" ID, Aluminum Tee Insulation Jacketing .....	53.53	3.44
22 07 19 00-0904	EA		5" ID, Aluminum Tee Insulation Jacketing .....	55.42	3.54
22 07 19 00-0905	EA		5-1/4" ID, Aluminum Tee Insulation Jacketing .....	55.84	3.64
22 07 19 00-0906	EA		5-1/2" ID, Aluminum Tee Insulation Jacketing .....	58.09	3.75
22 07 19 00-0907	EA		6" ID, Aluminum Tee Insulation Jacketing .....	58.57	3.87
22 07 19 00-0908	EA		6-1/2" ID, Aluminum Tee Insulation Jacketing .....	63.84	4.14
22 07 19 00-0909	EA		7" ID, Aluminum Tee Insulation Jacketing .....	64.41	4.28
22 07 19 00-0910	EA		7-1/2" ID, Aluminum Tee Insulation Jacketing .....	70.32	4.43
22 07 19 00-0911	EA		8" ID, Aluminum Tee Insulation Jacketing .....	70.97	4.59
22 07 19 00-0912	EA		8-1/2" ID, Aluminum Tee Insulation Jacketing .....	73.07	4.77
22 07 19 00-0913	EA		9" ID, Aluminum Tee Insulation Jacketing .....	73.84	4.96
22 07 19 00-0914	EA		9-1/2" ID, Aluminum Tee Insulation Jacketing .....	60.32	5.06
22 07 19 00-0915	EA		10" ID, Aluminum Tee Insulation Jacketing .....	60.74	5.17
22 07 19 00-0916	EA		10-1/2" ID, Aluminum Tee Insulation Jacketing .....	63.80	5.28
22 07 19 00-0917	EA		11" ID, Aluminum Tee Insulation Jacketing .....	64.25	5.39
22 07 19 00-0918	EA		11-1/2" ID, Aluminum Tee Insulation Jacketing .....	67.07	5.51
22 07 19 00-0919	EA		12" ID, Aluminum Tee Insulation Jacketing .....	67.56	5.64
22 07 19 00-0920	EA		13" ID, Aluminum Tee Insulation Jacketing .....	70.32	5.77





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0921 EA 14" ID, Aluminum Tee Insulation Jacketing.....	73.19	5.90
22 07 19 00-0922 EA 15" ID, Aluminum Tee Insulation Jacketing.....	77.81	6.04
22 07 19 00-0923 EA 16" ID, Aluminum Tee Insulation Jacketing.....	79.76	6.19
22 07 19 00-0924 EA 17" ID, Aluminum Tee Insulation Jacketing.....	88.62	6.36
22 07 19 00-0925 EA 18" ID, Aluminum Tee Insulation Jacketing.....	91.75	6.53
22 07 19 00-0926 EA 19" ID, Aluminum Tee Insulation Jacketing.....	99.41	6.70
22 07 19 00-0927 EA 20" ID, Aluminum Tee Insulation Jacketing.....	101.74	6.89
22 07 19 00-0928 EA 22" ID, Aluminum Tee Insulation Jacketing.....	122.71	7.08
22 07 19 00-0929 EA 23" ID, Aluminum Tee Insulation Jacketing.....	126.16	7.29
22 07 19 00-0930 EA 24" ID, Aluminum Tee Insulation Jacketing.....	131.51	8.00
<b>22 07 19 00-0931</b> <b>Stainless Steel Insulation Protective Jacketing With Bands</b> (22 07 19 00-0558)		
<b>22 07 19 00-0932</b> <b>Type 304 Stainless Steel Roll, Insulation Protective Jacketing With Bands</b> (22 07 19 00-0931)		
22 07 19 00-0933 SF 0.010" Stainless Steel Insulation Jacket With Bands .....	12.26	4.65
22 07 19 00-0934 SF 0.016" Stainless Steel Insulation Jacket With Bands .....	15.20	5.58
<b>22 07 19 00-0935</b> <b>10 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands</b> (22 07 19 00-0931)		
22 07 19 00-0936 LF 2-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	7.06	0.99
22 07 19 00-0937 LF 2-3/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	7.42	1.01
22 07 19 00-0938 LF 3" ID, 0.010" Stainless Steel Insulation Jacketing.....	7.78	1.03
22 07 19 00-0939 LF 3-1/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	8.14	1.06
22 07 19 00-0940 LF 3-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	8.51	1.08
22 07 19 00-0941 LF 3-3/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	8.88	1.10
22 07 19 00-0942 LF 4" ID, 0.010" Stainless Steel Insulation Jacketing.....	9.25	1.13
22 07 19 00-0943 LF 4-1/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	9.63	1.15
22 07 19 00-0944 LF 4-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	10.01	1.18
22 07 19 00-0945 LF 5" ID, 0.010" Stainless Steel Insulation Jacketing.....	10.81	1.24
22 07 19 00-0946 LF 5-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	11.61	1.30
22 07 19 00-0947 LF 6" ID, 0.010" Stainless Steel Insulation Jacketing.....	12.45	1.38
22 07 19 00-0948 LF 6-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	13.16	1.41
22 07 19 00-0949 LF 7" ID, 0.010" Stainless Steel Insulation Jacketing.....	13.87	1.46
22 07 19 00-0950 LF 7-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	14.63	1.51
22 07 19 00-0951 LF 8" ID, 0.010" Stainless Steel Insulation Jacketing.....	15.30	1.54
22 07 19 00-0952 LF 8-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	15.96	1.57
22 07 19 00-0953 LF 9" ID, 0.010" Stainless Steel Insulation Jacketing.....	16.64	1.60
22 07 19 00-0954 LF 9-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	17.32	1.63
22 07 19 00-0955 LF 10" ID, 0.010" Stainless Steel Insulation Jacketing.....	17.99	1.66
22 07 19 00-0956 LF 10-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	18.68	1.70
22 07 19 00-0957 LF 11" ID, 0.010" Stainless Steel Insulation Jacketing.....	19.37	1.74
22 07 19 00-0958 LF 12" ID, 0.010" Stainless Steel Insulation Jacketing.....	20.77	1.81
22 07 19 00-0959 LF 13" ID, 0.010" Stainless Steel Insulation Jacketing.....	22.15	1.88
22 07 19 00-0960 LF 14" ID, 0.010" Stainless Steel Insulation Jacketing.....	23.36	1.91
<b>22 07 19 00-0961</b> <b>16 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands</b> (22 07 19 00-0931)		
22 07 19 00-0962 LF 2-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	9.76	1.32
22 07 19 00-0963 LF 2-3/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	10.27	1.34
22 07 19 00-0964 LF 3" ID, 0.016" Stainless Steel Insulation Jacketing.....	10.78	1.37
22 07 19 00-0965 LF 3-1/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	11.30	1.40
22 07 19 00-0966 LF 3-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	11.82	1.43
22 07 19 00-0967 LF 3-3/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	12.34	1.46
22 07 19 00-0968 LF 4" ID, 0.016" Stainless Steel Insulation Jacketing.....	12.87	1.50
22 07 19 00-0969 LF 4-1/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	13.40	1.53
22 07 19 00-0970 LF 4-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	13.96	1.57
22 07 19 00-0971 LF 5" ID, 0.016" Stainless Steel Insulation Jacketing.....	15.08	1.64
22 07 19 00-0972 LF 5-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	16.21	1.74
22 07 19 00-0973 LF 6" ID, 0.016" Stainless Steel Insulation Jacketing.....	17.38	1.84
22 07 19 00-0974 LF 6-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	18.40	1.89
22 07 19 00-0975 LF 7" ID, 0.016" Stainless Steel Insulation Jacketing.....	19.42	1.94
22 07 19 00-0976 LF 7-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	20.50	2.01
22 07 19 00-0977 LF 8" ID, 0.016" Stainless Steel Insulation Jacketing.....	21.44	2.05
22 07 19 00-0978 LF 8-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	22.39	2.09
22 07 19 00-0979 LF 9" ID, 0.016" Stainless Steel Insulation Jacketing.....	23.37	2.13
22 07 19 00-0980 LF 9-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	24.32	2.17
22 07 19 00-0981 LF 10" ID, 0.016" Stainless Steel Insulation Jacketing.....	25.28	2.21
22 07 19 00-0982 LF 10-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	26.28	2.26
22 07 19 00-0983 LF 11" ID, 0.016" Stainless Steel Insulation Jacketing.....	27.25	2.31
22 07 19 00-0984 LF 12" ID, 0.016" Stainless Steel Insulation Jacketing.....	29.25	2.41
22 07 19 00-0985 LF 13" ID, 0.016" Stainless Steel Insulation Jacketing.....	31.21	2.50
22 07 19 00-0986 LF 14" ID, 0.016" Stainless Steel Insulation Jacketing.....	32.95	2.53
<b>22 07 19 00-0987</b> <b>Type 316 Stainless Steel Insulation Protective Jacketing For Fittings</b> (22 07 19 00-0931)		
22 07 19 00-0988 EA 2-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	21.53	1.97



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0989	EA		2-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	21.72	2.02
22 07 19 00-0990	EA		3" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	22.54	2.07
22 07 19 00-0991	EA		3-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	22.76	2.12
22 07 19 00-0992	EA		3-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	23.64	2.16
22 07 19 00-0993	EA		3-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	24.64	2.19
22 07 19 00-0994	EA		4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	26.45	2.25
22 07 19 00-0995	EA		4-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	32.35	2.30
22 07 19 00-0996	EA		4-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	32.52	2.34
22 07 19 00-0997	EA		5" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	33.43	2.43
22 07 19 00-0998	EA		5-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	45.55	2.55
22 07 19 00-0999	EA		6" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	49.57	2.69
22 07 19 00-1000	EA		6-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	64.79	2.85
22 07 19 00-1001	EA		7" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	65.06	2.92
22 07 19 00-1002	EA		7-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	74.29	2.99
22 07 19 00-1003	EA		8" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	74.74	3.10
22 07 19 00-1004	EA		8-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	76.86	3.10
22 07 19 00-1005	EA		9" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	110.75	3.18
22 07 19 00-1006	EA		9-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	109.22	3.22
22 07 19 00-1007	EA		10" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	109.39	3.26
22 07 19 00-1008	EA		10-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	128.50	3.31
22 07 19 00-1009	EA		11" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	123.43	3.35
22 07 19 00-1010	EA		12" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	138.89	3.49
22 07 19 00-1011	EA		13" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	187.66	3.64
22 07 19 00-1012	EA		14" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	189.26	3.75
22 07 19 00-1013	EA		2-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	19.26	1.97
22 07 19 00-1014	EA		2-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	19.45	2.02
22 07 19 00-1015	EA		3" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	20.51	2.07
22 07 19 00-1016	EA		3-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	20.73	2.12
22 07 19 00-1017	EA		3-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	21.03	2.16
22 07 19 00-1018	EA		3-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	21.18	2.19
22 07 19 00-1019	EA		4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	24.97	2.25
22 07 19 00-1020	EA		4-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	31.56	2.30
22 07 19 00-1021	EA		4-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	31.73	2.34
22 07 19 00-1022	EA		4-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	31.91	2.38
22 07 19 00-1023	EA		5" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	32.50	2.43
22 07 19 00-1024	EA		5-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	32.99	2.55
22 07 19 00-1025	EA		6" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	37.79	2.69
22 07 19 00-1026	EA		6-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	38.41	2.85
22 07 19 00-1027	EA		7" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	57.36	2.92
22 07 19 00-1028	EA		7-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	58.58	2.99
22 07 19 00-1029	EA		8" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	58.73	3.03
22 07 19 00-1030	EA		8-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	66.97	3.10
22 07 19 00-1031	EA		9" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	67.28	3.18
22 07 19 00-1032	EA		9-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	76.95	3.22
22 07 19 00-1033	EA		10" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	77.12	3.26
22 07 19 00-1034	EA		10-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	90.22	3.31
22 07 19 00-1035	EA		11" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	90.39	3.35
22 07 19 00-1036	EA		12" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	97.59	3.49
22 07 19 00-1037	EA		13" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	112.98	3.64
22 07 19 00-1038			<b>Polyvinyl Chloride (PVC) Insulation Protective Jacketing</b> (22 07 19 00-0558)		
22 07 19 00-1039			<b>20 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing</b> (22 07 19 00-1038)		
22 07 19 00-1040	LF		1-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	3.93	0.92
22 07 19 00-1041	LF		2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	4.16	0.96
22 07 19 00-1042	LF		2-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	4.39	0.99
22 07 19 00-1043	LF		3" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	4.64	1.03
22 07 19 00-1044	LF		3-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	4.88	1.08
22 07 19 00-1045	LF		4" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	5.15	1.13
22 07 19 00-1046	LF		4-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	5.44	1.18
22 07 19 00-1047	LF		5" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	5.75	1.24
22 07 19 00-1048	LF		5-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	6.08	1.30
22 07 19 00-1049	LF		6" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	6.45	1.38
22 07 19 00-1050	LF		6-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	6.69	1.41
22 07 19 00-1051	LF		7" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	6.91	1.46
22 07 19 00-1052	LF		7-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	7.21	1.51
22 07 19 00-1053	LF		8" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	7.40	1.54
22 07 19 00-1054	LF		8-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	7.59	1.57
22 07 19 00-1055	LF		9" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	7.79	1.60
22 07 19 00-1056	LF		9-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	7.99	1.63
22 07 19 00-1057	LF		10" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	8.19	1.66
22 07 19 00-1058	LF		10-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	8.40	1.70
22 07 19 00-1059	LF		11" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	8.61	1.74
22 07 19 00-1060	LF		11-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	8.84	1.78
22 07 19 00-1061	LF		12" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	9.07	1.81
22 07 19 00-1062	LF		12-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	9.32	1.85
22 07 19 00-1063	LF		13" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	9.50	1.88
22 07 19 00-1064	LF		13-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	9.57	1.88
22 07 19 00-1065	LF		14" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	9.76	1.91
22 07 19 00-1066	LF		15" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	10.03	1.94



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 07 19 00-1067	LF	16" ID, 0.02"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	10.30	1.97
22 07 19 00-1068	LF	17" ID, 0.02"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	10.58	2.00
22 07 19 00-1069	LF	18" ID, 0.02"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	10.86	2.03
22 07 19 00-1070	LF	19" ID, 0.02"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	11.13	2.07
22 07 19 00-1071	LF	20" ID, 0.02"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	11.43	2.10
22 07 19 00-1072	LF	21" ID, 0.02"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	11.72	2.14
22 07 19 00-1073	LF	22" ID, 0.02"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	12.02	2.18
22 07 19 00-1074	LF	23" ID, 0.02"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	12.32	2.21
22 07 19 00-1075	LF	24" ID, 0.02"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	12.64	2.25
22 07 19 00-1076	LF	25" ID, 0.02"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	12.95	2.30
22 07 19 00-1077	LF	26" ID, 0.02"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	13.26	2.34
22 07 19 00-1078	LF	27" ID, 0.02"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	13.60	2.38
22 07 19 00-1079	LF	28" ID, 0.02"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	13.94	2.43
22 07 19 00-1080	LF	29" ID, 0.02"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	14.28	2.48
22 07 19 00-1081	LF	30" ID, 0.02"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	14.63	2.53

### 22 07 19 00-1082 30 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-1038)

22 07 19 00-1083	LF	2" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	4.32	0.96
22 07 19 00-1084	LF	2-1/2" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	4.59	0.99
22 07 19 00-1085	LF	3" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	4.88	1.03
22 07 19 00-1086	LF	3-1/2" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	5.15	1.08
22 07 19 00-1087	LF	4" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	5.46	1.13
22 07 19 00-1088	LF	4-1/2" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	5.78	1.18
22 07 19 00-1089	LF	5" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	6.13	1.24
22 07 19 00-1090	LF	5-1/2" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	6.50	1.30
22 07 19 00-1091	LF	6" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	6.90	1.38
22 07 19 00-1092	LF	6-1/2" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	7.17	1.41
22 07 19 00-1093	LF	7" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	7.44	1.46
22 07 19 00-1094	LF	7-1/2" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	7.77	1.51
22 07 19 00-1095	LF	8" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	8.00	1.54
22 07 19 00-1096	LF	8-1/2" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	8.23	1.57
22 07 19 00-1097	LF	9" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	8.45	1.60
22 07 19 00-1098	LF	9-1/2" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	8.69	1.63
22 07 19 00-1099	LF	10" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	8.93	1.66
22 07 19 00-1100	LF	10-1/2" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	9.17	1.70
22 07 19 00-1101	LF	11" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	9.42	1.74
22 07 19 00-1102	LF	11-1/2" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	9.68	1.78
22 07 19 00-1103	LF	12" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	9.95	1.81
22 07 19 00-1104	LF	12-1/2" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	10.24	1.85
22 07 19 00-1105	LF	13" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	10.46	1.88
22 07 19 00-1106	LF	13-1/2" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	10.57	1.88
22 07 19 00-1107	LF	14" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	10.79	1.91
22 07 19 00-1108	LF	15" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	11.13	1.94
22 07 19 00-1109	LF	16" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	11.47	1.97
22 07 19 00-1110	LF	17" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	11.81	2.00
22 07 19 00-1111	LF	18" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	12.17	2.03
22 07 19 00-1112	LF	19" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	12.52	2.07
22 07 19 00-1113	LF	20" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	12.88	2.10
22 07 19 00-1114	LF	21" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	13.25	2.14
22 07 19 00-1115	LF	22" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	13.62	2.18
22 07 19 00-1116	LF	23" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	14.00	2.21
22 07 19 00-1117	LF	24" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	14.38	2.25
22 07 19 00-1118	LF	25" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	14.76	2.30
22 07 19 00-1119	LF	26" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	15.15	2.34
22 07 19 00-1120	LF	27" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	15.55	2.38
22 07 19 00-1121	LF	28" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	15.97	2.43
22 07 19 00-1122	LF	29" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	16.38	2.48
22 07 19 00-1123	LF	30" ID, 0.03"	Polyvinyl Chloride (PVC) Insulation Jacketing .....	16.80	2.53

### 22 07 19 00-1124 Polyvinyl Chloride (PVC) Insulation Protective Jacketing For Fittings (22 07 19 00-1038)

22 07 19 00-1125	EA	1-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	7.94	1.84
22 07 19 00-1126	EA	2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	8.37	1.91
22 07 19 00-1127	EA	2-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	8.58	1.94
22 07 19 00-1128	EA	2-1/2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	8.79	1.97
22 07 19 00-1129	EA	2-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	9.05	2.02
22 07 19 00-1130	EA	3" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	9.31	2.07
22 07 19 00-1131	EA	3-3/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	9.74	2.14
22 07 19 00-1132	EA	3-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	10.11	2.19
22 07 19 00-1133	EA	4-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	10.70	2.25
22 07 19 00-1134	EA	4-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	11.47	2.36
22 07 19 00-1135	EA	5-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	12.29	2.48
22 07 19 00-1136	EA	5-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	13.57	2.61
22 07 19 00-1137	EA	6-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	16.23	2.75
22 07 19 00-1138	EA	6-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	16.89	2.85
22 07 19 00-1139	EA	7-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	18.54	2.92
22 07 19 00-1140	EA	7-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	19.16	2.99
22 07 19 00-1141	EA	8-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	21.68	3.10
22 07 19 00-1142	EA	9-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	25.27	3.22



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1143	EA			10-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	27.24	3.35
22 07 19 00-1144	EA			11-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	29.83	3.49
22 07 19 00-1145	EA			12-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	34.61	3.64
22 07 19 00-1146	EA			14-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	37.91	3.75
22 07 19 00-1147	EA			15-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	40.09	3.87
22 07 19 00-1148	EA			16-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	42.58	3.93
22 07 19 00-1149	EA			17-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	45.78	4.00
22 07 19 00-1150	EA			18-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	54.68	4.07
22 07 19 00-1151	EA			19-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	68.68	4.14
22 07 19 00-1152	EA			20-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	83.84	4.21
22 07 19 00-1153	EA			1-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	7.94	1.84
22 07 19 00-1154	EA			2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	8.37	1.91
22 07 19 00-1155	EA			2-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	8.58	1.94
22 07 19 00-1156	EA			2-1/2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	8.79	1.97
22 07 19 00-1157	EA			2-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	9.05	2.02
22 07 19 00-1158	EA			3" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	9.31	2.07
22 07 19 00-1159	EA			3-3/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	9.74	2.14
22 07 19 00-1160	EA			3-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	10.11	2.19
22 07 19 00-1161	EA			4-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	10.70	2.25
22 07 19 00-1162	EA			4-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	11.47	2.36
22 07 19 00-1163	EA			5-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	12.29	2.48
22 07 19 00-1164	EA			5-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	13.57	2.61
22 07 19 00-1165	EA			6-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	16.23	2.75
22 07 19 00-1166	EA			6-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	16.89	2.85
22 07 19 00-1167	EA			7-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	18.54	2.92
22 07 19 00-1168	EA			7-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	19.16	2.99
22 07 19 00-1169	EA			8-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	21.68	3.10
22 07 19 00-1170	EA			9-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	25.27	3.22
22 07 19 00-1171	EA			10-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	27.23	3.35
22 07 19 00-1172	EA			11-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	29.22	3.49
22 07 19 00-1173	EA			12-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	31.61	3.64
22 07 19 00-1174	EA			14-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	34.46	3.75
22 07 19 00-1175	EA			15-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	36.36	3.87
22 07 19 00-1176	EA			16-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	39.57	3.93
22 07 19 00-1177	EA			17-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	42.83	4.00
22 07 19 00-1178	EA			18-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	49.05	4.07
22 07 19 00-1179	EA			19-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	61.25	4.14
22 07 19 00-1180	EA			20-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	67.47	4.21
22 07 19 00-1181	EA			1-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	11.47	2.58
22 07 19 00-1182	EA			2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	11.84	2.63
22 07 19 00-1183	EA			2-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	12.30	2.72
22 07 19 00-1184	EA			2-1/2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	12.80	2.81
22 07 19 00-1185	EA			2-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	13.35	2.92
22 07 19 00-1186	EA			3" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	13.93	3.03
22 07 19 00-1187	EA			3-3/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	14.65	3.14
22 07 19 00-1188	EA			3-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	15.43	3.26
22 07 19 00-1189	EA			4-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	16.41	3.40
22 07 19 00-1190	EA			4-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	17.68	3.54
22 07 19 00-1191	EA			5-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	19.02	3.70
22 07 19 00-1192	EA			5-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	21.35	3.93
22 07 19 00-1193	EA			6-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	23.90	4.14
22 07 19 00-1194	EA			6-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	25.92	4.21
22 07 19 00-1195	EA			7-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	32.13	4.35
22 07 19 00-1196	EA			7-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	34.51	4.59
22 07 19 00-1197	EA			8-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	38.72	4.77
22 07 19 00-1198	EA			9-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	43.01	4.96
22 07 19 00-1199	EA			10-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	44.10	5.17
22 07 19 00-1200	EA			11-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	47.15	5.28
22 07 19 00-1201	EA			12-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	50.20	5.39
22 07 19 00-1202	EA			14-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	53.32	5.51
22 07 19 00-1203	EA			15-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	56.40	5.64
22 07 19 00-1204	EA			16-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	59.53	5.77
22 07 19 00-1205	EA			17-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	62.67	5.90
22 07 19 00-1206	EA			18-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	67.17	6.04
22 07 19 00-1207	EA			19-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	71.70	6.19
22 07 19 00-1208	EA			20-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	77.10	6.36
22 07 19 00-1209	EA			3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	11.83	1.78
22 07 19 00-1210	EA			1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	11.83	1.78
22 07 19 00-1211	EA			1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	13.36	1.84
22 07 19 00-1212	EA			1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	13.36	1.84
22 07 19 00-1213	EA			2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	17.13	1.91
22 07 19 00-1214	EA			2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	18.48	1.99
22 07 19 00-1215	EA			3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	20.07	2.07
22 07 19 00-1216	EA			3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	22.30	2.16
22 07 19 00-1217	EA			4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	24.26	2.25
22 07 19 00-1218	EA			5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	28.86	2.48
22 07 19 00-1219	EA			6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	39.00	2.75
22 07 19 00-1220	EA			8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	42.87	3.10
22 07 19 00-1221	EA			10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	52.21	3.31
22 07 19 00-1222	EA			12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	70.66	3.64
22 07 19 00-1223	EA			14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	71.42	3.81



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 07 19 00-1224	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	92.12	3.93
22 07 19 00-1225	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	121.31	4.07
22 07 19 00-1226	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	11.31	1.78
22 07 19 00-1227	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	11.31	1.78
22 07 19 00-1228	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	12.73	1.84
22 07 19 00-1229	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	12.73	1.84
22 07 19 00-1230	EA	2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	16.09	1.91
22 07 19 00-1231	EA	2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	17.32	1.99
22 07 19 00-1232	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	18.81	2.07
22 07 19 00-1233	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	19.76	2.16
22 07 19 00-1234	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	22.57	2.25
22 07 19 00-1235	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	26.77	2.48
22 07 19 00-1236	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	35.93	2.75
22 07 19 00-1237	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	39.50	3.10
22 07 19 00-1238	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	47.93	3.31
22 07 19 00-1239	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	64.52	3.64
22 07 19 00-1240	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	80.21	3.81
22 07 19 00-1241	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	94.43	3.93
22 07 19 00-1242	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	109.13	4.07
22 07 19 00-1243	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	16.86	2.66
22 07 19 00-1244	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	16.86	2.66
22 07 19 00-1245	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	18.85	2.75
22 07 19 00-1246	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	18.85	2.75
22 07 19 00-1247	EA	2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	23.74	2.85
22 07 19 00-1248	EA	2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	25.53	2.96
22 07 19 00-1249	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	27.76	3.10
22 07 19 00-1250	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	29.15	3.22
22 07 19 00-1251	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	33.46	3.40
22 07 19 00-1252	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	36.69	3.70
22 07 19 00-1253	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	48.91	4.14
22 07 19 00-1254	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	53.46	4.59
22 07 19 00-1255	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	70.53	4.96
22 07 19 00-1256	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	94.42	5.39
22 07 19 00-1257	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	111.07	5.77
22 07 19 00-1258	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	129.19	5.90
22 07 19 00-1259	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	140.50	6.04

22 07 19 00-1260 Insulation Foam Rubber (22 07 19)

22 07 19 00-1261 Covering 4x6 Sheet (22 07 19 00-1260)

22 07 19 00-1262	SF	1" Thick Foam Rubber Sheet Insulation.....	13.16	4.40
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## 22 10 Plumbing Piping (22)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

### 22 11 Facility Water Distribution (22 10)

#### 22 11 16 Domestic Water Piping (22 11)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks. See CSI section 23 21 13 00-0000 for black steel piping and fitting.

##### 22 11 16 00-0001 Galvanized Steel Pipe Assemblies (22 11 16)

Note: (ASTM A-53) Threaded and coupled. Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

22 11 16 00-0002	LF	1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	12.19	2.61
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	3.32	
		For ASTM 120, Deduct	-0.53	
		For Work In Restricted Working Space, Add	2.60	
22 11 16 00-0003	LF	3/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	13.51	2.80
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	3.79	
		For ASTM 120, Deduct	-0.65	
		For Work In Restricted Working Space, Add	2.75	
22 11 16 00-0004	LF	1" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	15.49	3.07
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	4.53	
		For ASTM 120, Deduct	-0.86	
		For Work In Restricted Working Space, Add	2.93	
22 11 16 00-0005	LF	1-1/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	18.54	3.20
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	5.75	
		For ASTM 120, Deduct	-1.22	
		For Work In Restricted Working Space, Add	3.12	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0006	LF			1-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....20.12 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		3.78
				<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	6.35	
				<i>For ASTM 120, Deduct</i>	-1.39	
				<i>For Work In Restricted Working Space, Add</i>	3.25	
22 11 16 00-0007	LF			2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....24.58 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		4.57
				<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	7.98	
				<i>For ASTM 120, Deduct</i>	-1.84	
				<i>For Work In Restricted Working Space, Add</i>	3.70	
22 11 16 00-0008	LF			2-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....37.55 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		5.41
				<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	13.29	
				<i>For ASTM 120, Deduct</i>	-3.47	
				<i>For Work In Restricted Working Space, Add</i>	4.34	
22 11 16 00-0009	LF			3" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....46.32 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		7.24
				<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	16.47	
				<i>For ASTM 120, Deduct</i>	-4.32	
				<i>For Work In Restricted Working Space, Add</i>	5.25	
22 11 16 00-0010	LF			4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....73.72 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		7.69
				<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	28.68	
				<i>For ASTM 120, Deduct</i>	-8.36	
				<i>For Work In Restricted Working Space, Add</i>	5.39	
22 11 16 00-0011	LF			5" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....135.01 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		9.83
				<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	55.33	
				<i>For ASTM 120, Deduct</i>	-17.00	
				<i>For Work In Restricted Working Space, Add</i>	6.51	
22 11 16 00-0012	LF			6" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....165.49 Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		11.62
				<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	68.31	
				<i>For ASTM 120, Deduct</i>	-21.13	
				<i>For Work In Restricted Working Space, Add</i>	7.40	
22 11 16 00-0013				<b>Galvanized Steel Pipe And Threaded Fittings</b> (22 11 16) Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.		
22 11 16 00-0014				<b>Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe</b> (22 11 16 00-0013) Note: ASTM A-53. Includes coupling. Welded pipe has a weld bead on the inside.		
22 11 16 00-0015	LF			1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....5.74		2.61
				<i>For Schedule 80 Pipe, Add</i>	1.25	
				<i>For ASTM 120, Deduct</i>	-0.27	
				<i>For Work In Restricted Working Space, Add</i>	1.19	
22 11 16 00-0016	LF			3/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....6.57		2.80
				<i>For Schedule 80 Pipe, Add</i>	1.56	
				<i>For ASTM 120, Deduct</i>	-0.36	
				<i>For Work In Restricted Working Space, Add</i>	1.26	
22 11 16 00-0017	LF			1" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....8.08		3.07
				<i>For Schedule 80 Pipe, Add</i>	2.15	
				<i>For ASTM 120, Deduct</i>	-0.53	
				<i>For Work In Restricted Working Space, Add</i>	1.37	
22 11 16 00-0018	LF			1-1/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....9.59		3.20
				<i>For Schedule 80 Pipe, Add</i>	2.77	
				<i>For ASTM 120, Deduct</i>	-0.71	
				<i>For Work In Restricted Working Space, Add</i>	1.45	
22 11 16 00-0019	LF			1-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....11.36		3.78
				<i>For Schedule 80 Pipe, Add</i>	3.30	
				<i>For ASTM 120, Deduct</i>	-0.85	
				<i>For Work In Restricted Working Space, Add</i>	1.70	
22 11 16 00-0020	LF			2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....14.51		4.57
				<i>For Schedule 80 Pipe, Add</i>	4.36	
				<i>For ASTM 120, Deduct</i>	-1.15	
				<i>For Work In Restricted Working Space, Add</i>	2.06	
22 11 16 00-0021	LF			2-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....20.28		5.41
				<i>For Schedule 80 Pipe, Add</i>	6.64	
				<i>For ASTM 120, Deduct</i>	-1.82	
				<i>For Work In Restricted Working Space, Add</i>	2.45	
22 11 16 00-0022	LF			3" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....26.74		7.24
				<i>For Schedule 80 Pipe, Add</i>	8.71	
				<i>For ASTM 120, Deduct</i>	-2.38	
				<i>For Work In Restricted Working Space, Add</i>	3.26	
22 11 16 00-0023	LF			4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....34.16		7.69
				<i>For Schedule 80 Pipe, Add</i>	12.00	
				<i>For ASTM 120, Deduct</i>	-3.39	
				<i>For Work In Restricted Working Space, Add</i>	3.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0024 LF 5" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....	45.03	9.83
For Schedule 80 Pipe, Add	16.02	
For ASTM 120, Deduct	-4.55	
For Work In Restricted Working Space, Add	4.41	
22 11 16 00-0025 LF 6" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....	56.74	11.62
For Schedule 80 Pipe, Add	20.62	
For ASTM 120, Deduct	-5.90	
For Work In Restricted Working Space, Add	5.22	
22 11 16 00-0026 LF 8" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....	63.50	14.04
For Schedule 80 Pipe, Add	22.50	
For ASTM 120, Deduct	-6.37	
For Work In Restricted Working Space, Add	6.30	
<b>22 11 16 00-0027 Seamless, Threaded And Coupled, Galvanized Steel Pipe</b> (22 11 16 00-0013)		
Note: ASTM A-53. Includes coupling.		
22 11 16 00-0028 LF 1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	7.92	2.61
For Schedule 80 Pipe, Add	2.30	
For ASTM 120, Deduct	-0.60	
For Work In Restricted Working Space, Add	1.19	
22 11 16 00-0029 LF 3/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	8.96	2.80
For Schedule 80 Pipe, Add	2.70	
For ASTM 120, Deduct	-0.71	
For Work In Restricted Working Space, Add	1.26	
22 11 16 00-0030 LF 1" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	10.09	3.07
For Schedule 80 Pipe, Add	3.11	
For ASTM 120, Deduct	-0.83	
For Work In Restricted Working Space, Add	1.37	
22 11 16 00-0031 LF 1-1/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe .....	11.78	3.20
For Schedule 80 Pipe, Add	3.82	
For ASTM 120, Deduct	-1.04	
For Work In Restricted Working Space, Add	1.45	
22 11 16 00-0032 LF 1-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe .....	13.61	3.78
For Schedule 80 Pipe, Add	4.38	
For ASTM 120, Deduct	-1.19	
For Work In Restricted Working Space, Add	1.70	
22 11 16 00-0033 LF 2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	15.90	4.57
For Schedule 80 Pipe, Add	5.03	
For ASTM 120, Deduct	-1.36	
For Work In Restricted Working Space, Add	2.06	
22 11 16 00-0034 LF 2-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe .....	23.28	5.41
For Schedule 80 Pipe, Add	8.08	
For ASTM 120, Deduct	-2.27	
For Work In Restricted Working Space, Add	2.45	
22 11 16 00-0035 LF 3" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	29.36	7.24
For Schedule 80 Pipe, Add	9.97	
For ASTM 120, Deduct	-2.78	
For Work In Restricted Working Space, Add	3.26	
22 11 16 00-0036 LF 4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	38.01	7.69
For Schedule 80 Pipe, Add	13.85	
For ASTM 120, Deduct	-3.97	
For Work In Restricted Working Space, Add	3.47	
22 11 16 00-0037 LF 5" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	49.23	9.83
For Schedule 80 Pipe, Add	18.04	
For ASTM 120, Deduct	-5.18	
For Work In Restricted Working Space, Add	4.41	
22 11 16 00-0038 LF 6" Schedule 40, Seamless, Threaded Galvanized Steel Pipe.....	61.57	11.62
For Schedule 80 Pipe, Add	22.94	
For ASTM 120, Deduct	-6.62	
For Work In Restricted Working Space, Add	5.22	
<b>22 11 16 00-0039 Galvanized Malleable Iron 90 Degree Elbows</b> (22 11 16 00-0013)		
22 11 16 00-0040 EA 1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	21.88	11.61
For 300 LB Rating, Add	16.34	
For ASTM 120, Deduct	-0.68	
For Work In Restricted Working Space, Add	5.21	
22 11 16 00-0041 EA 3/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	24.99	12.97
For 300 LB Rating, Add	19.97	
For ASTM 120, Deduct	-0.83	
For Work In Restricted Working Space, Add	5.84	
22 11 16 00-0042 EA 1", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	31.98	14.47
For 300 LB Rating, Add	36.15	
For ASTM 120, Deduct	-1.54	
For Work In Restricted Working Space, Add	6.52	
22 11 16 00-0043 EA 1-1/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow .....	40.79	16.43
For 300 LB Rating, Add	56.52	
For ASTM 120, Deduct	-2.43	
For Work In Restricted Working Space, Add	7.38	
22 11 16 00-0044 EA 1-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow .....	48.88	18.51
For 300 LB Rating, Add	73.54	
For ASTM 120, Deduct	-3.17	
For Work In Restricted Working Space, Add	8.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0045 EA 2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	69.85 119.82 -5.19 10.57	23.54
22 11 16 00-0046 EA 2-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	142.74 311.14 -13.59 15.65	34.81
22 11 16 00-0047 EA 3", 150 LB, Galvanized Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	217.97 511.91 -22.40 20.59	45.76
22 11 16 00-0048 EA 4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	330.86 899.67 -39.51 20.23	44.97
22 11 16 00-0049 EA 5", 150 LB, Galvanized Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,207.96 3,872.03 -170.64 21.11	46.93
22 11 16 00-0050 EA 6", 150 LB, Galvanized Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,122.29 3,570.10 -157.31 22.07	49.07
22 11 16 00-0051 EA 8", 150 LB, Galvanized Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,342.10 4,306.39 -189.78 23.06	51.28
<b>22 11 16 00-0052 Galvanized Malleable Iron Reducing 90 Degree Elbows</b> <small>(22 11 16 00-0013)</small>		
22 11 16 00-0053 EA 3/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	28.04 -1.44 5.53	12.25
22 11 16 00-0054 EA 1" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	32.93 -1.85 6.18	13.75
22 11 16 00-0055 EA 1" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	32.65 -1.97 5.87	13.04
22 11 16 00-0056 EA 1-1/4" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	43.87 -3.11 6.95	15.45
22 11 16 00-0057 EA 1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	46.89 -3.73 6.61	14.67
22 11 16 00-0058 EA 1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	47.34 -3.95 6.30	14.02
22 11 16 00-0059 EA 1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	59.26 -4.96 7.85	17.47
22 11 16 00-0060 EA 1-1/2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	57.82 -4.96 7.42	16.50
22 11 16 00-0061 EA 1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	56.69 -4.96 7.08	15.71
22 11 16 00-0062 EA 2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	70.14 -5.80 9.44	20.99
22 11 16 00-0063 EA 2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	74.24 -6.65 8.98	19.95
22 11 16 00-0064 EA 2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	74.46 -6.90 8.54	18.97
22 11 16 00-0065 EA 2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	62.23 -5.23 8.21	18.25
22 11 16 00-0066 EA 2-1/2" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	174.72 -19.65 13.11	29.14
22 11 16 00-0067 EA 2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	185.93 -21.90 11.99	26.66
22 11 16 00-0068 EA 3" x 2-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	298.53 -35.72 18.11	40.28
22 11 16 00-0069 EA 3" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	258.77 -31.03 15.58	34.62
22 11 16 00-0070 EA 4" x 3", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	603.05 -80.84 19.25	42.77





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0071			<b>Galvanized Malleable Iron 45 Degree Elbow</b> (22 11 16 00-0013)		
22 11 16 00-0072	EA	1/2"	150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	22.68	11.61
			<i>For 300 LB Rating, Add</i>	19.06	
			<i>For ASTM 120, Deduct</i>	-0.80	
			<i>For Work In Restricted Working Space, Add</i>	5.21	
22 11 16 00-0073	EA	3/4"	150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	27.09	12.97
			<i>For 300 LB Rating, Add</i>	27.11	
			<i>For ASTM 120, Deduct</i>	-1.14	
			<i>For Work In Restricted Working Space, Add</i>	5.84	
22 11 16 00-0074	EA	1"	150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	30.34	14.47
			<i>For 300 LB Rating, Add</i>	30.58	
			<i>For ASTM 120, Deduct</i>	-1.29	
			<i>For Work In Restricted Working Space, Add</i>	6.52	
22 11 16 00-0075	EA	1-1/4"	150 LB, Galvanized Malleable Iron 45 Degree Elbow .....	40.69	16.43
			<i>For 300 LB Rating, Add</i>	56.18	
			<i>For ASTM 120, Deduct</i>	-2.41	
			<i>For Work In Restricted Working Space, Add</i>	7.38	
22 11 16 00-0076	EA	1-1/2"	150 LB, Galvanized Malleable Iron 45 Degree Elbow .....	46.64	18.51
			<i>For 300 LB Rating, Add</i>	65.92	
			<i>For ASTM 120, Deduct</i>	-2.84	
			<i>For Work In Restricted Working Space, Add</i>	8.32	
22 11 16 00-0077	EA	2"	150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	63.20	23.54
			<i>For 300 LB Rating, Add</i>	97.21	
			<i>For ASTM 120, Deduct</i>	-4.20	
			<i>For Work In Restricted Working Space, Add</i>	10.57	
22 11 16 00-0078	EA	2-1/2"	150 LB, Galvanized Malleable Iron 45 Degree Elbow .....	149.45	34.81
			<i>For 300 LB Rating, Add</i>	333.95	
			<i>For ASTM 120, Deduct</i>	-14.60	
			<i>For Work In Restricted Working Space, Add</i>	15.65	
22 11 16 00-0079	EA	3"	150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	210.14	45.76
			<i>For 300 LB Rating, Add</i>	485.29	
			<i>For ASTM 120, Deduct</i>	-21.23	
			<i>For Work In Restricted Working Space, Add</i>	20.59	
22 11 16 00-0080	EA	4"	150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	304.69	44.97
			<i>For 300 LB Rating, Add</i>	810.70	
			<i>For ASTM 120, Deduct</i>	-35.59	
			<i>For Work In Restricted Working Space, Add</i>	20.23	
22 11 16 00-0081	EA	5"	150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	1,029.05	46.93
			<i>For 300 LB Rating, Add</i>	3,263.73	
			<i>For ASTM 120, Deduct</i>	-143.80	
			<i>For Work In Restricted Working Space, Add</i>	21.11	
22 11 16 00-0082	EA	6"	150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	1,229.50	49.07
			<i>For 300 LB Rating, Add</i>	3,934.61	
			<i>For ASTM 120, Deduct</i>	-173.39	
			<i>For Work In Restricted Working Space, Add</i>	22.07	
22 11 16 00-0083	EA	8"	150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	1,469.45	51.28
			<i>For 300 LB Rating, Add</i>	4,739.38	
			<i>For ASTM 120, Deduct</i>	-208.89	
			<i>For Work In Restricted Working Space, Add</i>	23.06	
22 11 16 00-0084			<b>Galvanized Malleable Iron Tees</b> (22 11 16 00-0013)		
22 11 16 00-0085	EA	1/2"	150 LB, Galvanized Malleable Iron Tee.....	27.57	14.47
			<i>For 300 LB Rating, Add</i>	21.16	
			<i>For ASTM 120, Deduct</i>	-0.88	
			<i>For Work In Restricted Working Space, Add</i>	6.52	
22 11 16 00-0086	EA	3/4"	150 LB, Galvanized Malleable Iron Tee.....	34.70	16.75
			<i>For 300 LB Rating, Add</i>	34.25	
			<i>For ASTM 120, Deduct</i>	-1.44	
			<i>For Work In Restricted Working Space, Add</i>	7.52	
22 11 16 00-0087	EA	1"	150 LB, Galvanized Malleable Iron Tee.....	45.20	19.75
			<i>For 300 LB Rating, Add</i>	54.68	
			<i>For ASTM 120, Deduct</i>	-2.33	
			<i>For Work In Restricted Working Space, Add</i>	8.89	
22 11 16 00-0088	EA	1-1/4"	150 LB, Galvanized Malleable Iron Tee.....	59.93	23.54
			<i>For 300 LB Rating, Add</i>	86.09	
			<i>For ASTM 120, Deduct</i>	-3.71	
			<i>For Work In Restricted Working Space, Add</i>	10.57	
22 11 16 00-0089	EA	1-1/2"	150 LB, Galvanized Malleable Iron Tee.....	72.76	28.03
			<i>For 300 LB Rating, Add</i>	106.90	
			<i>For ASTM 120, Deduct</i>	-4.61	
			<i>For Work In Restricted Working Space, Add</i>	12.62	
22 11 16 00-0090	EA	2"	150 LB, Galvanized Malleable Iron Tee.....	102.05	34.81
			<i>For 300 LB Rating, Add</i>	172.79	
			<i>For ASTM 120, Deduct</i>	-7.49	
			<i>For Work In Restricted Working Space, Add</i>	15.65	
22 11 16 00-0091	EA	2-1/2"	150 LB, Galvanized Malleable Iron Tee.....	197.17	37.81
			<i>For 300 LB Rating, Add</i>	481.03	
			<i>For ASTM 120, Deduct</i>	-21.07	
			<i>For Work In Restricted Working Space, Add</i>	17.01	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				22 11 16 00-0092 EA 3", 150 LB, Galvanized Malleable Iron Tee.....	233.35	45.76
				For 300 LB Rating, Add	564.20	
				For ASTM 120, Deduct	-24.71	
				For Work In Restricted Working Space, Add	20.59	
				22 11 16 00-0093 EA 4", 150 LB, Galvanized Malleable Iron Tee.....	474.88	56.82
				For 300 LB Rating, Add	1,330.09	
				For ASTM 120, Deduct	-58.46	
				For Work In Restricted Working Space, Add	25.55	
				22 11 16 00-0094 EA 5", 150 LB, Galvanized Malleable Iron Tee.....	1,326.14	67.45
				For 300 LB Rating, Add	4,171.04	
				For ASTM 120, Deduct	-183.75	
				For Work In Restricted Working Space, Add	30.35	
				22 11 16 00-0095 EA 6", 150 LB, Galvanized Malleable Iron Tee.....	1,505.02	77.11
				For 300 LB Rating, Add	4,730.96	
				For ASTM 120, Deduct	-208.41	
				For Work In Restricted Working Space, Add	34.68	
				22 11 16 00-0096 EA 8", 150 LB, Galvanized Malleable Iron Tee.....	1,789.61	91.56
				For 300 LB Rating, Add	5,621.32	
				For ASTM 120, Deduct	-247.63	
				For Work In Restricted Working Space, Add	41.62	
<b>22 11 16 00-0097</b>				<b>Galvanized Malleable Iron Reducing Tee (22 11 16 00-0013)</b>		
				22 11 16 00-0098 EA 1/2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	35.30	14.47
				For 300 LB Rating, Add	47.44	
				For ASTM 120, Deduct	-2.04	
				For Work In Restricted Working Space, Add	6.52	
				22 11 16 00-0099 EA 3/4", 150 LB, Galvanized Malleable Iron Reducing Tee.....	38.45	16.75
				For 300 LB Rating, Add	47.00	
				For ASTM 120, Deduct	-2.01	
				For Work In Restricted Working Space, Add	7.52	
				22 11 16 00-0100 EA 1", 150 LB, Galvanized Malleable Iron Reducing Tee.....	48.44	19.75
				For 300 LB Rating, Add	65.70	
				For ASTM 120, Deduct	-2.82	
				For Work In Restricted Working Space, Add	8.89	
				22 11 16 00-0101 EA 1-1/4", 150 LB, Galvanized Malleable Iron Reducing Tee.....	64.38	23.54
				For 300 LB Rating, Add	101.22	
				For ASTM 120, Deduct	-4.37	
				For Work In Restricted Working Space, Add	10.57	
				22 11 16 00-0102 EA 1-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	78.06	28.03
				For 300 LB Rating, Add	124.92	
				For ASTM 120, Deduct	-5.40	
				For Work In Restricted Working Space, Add	12.62	
				22 11 16 00-0103 EA 2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	104.72	34.81
				For 300 LB Rating, Add	181.87	
				For ASTM 120, Deduct	-7.89	
				For Work In Restricted Working Space, Add	15.65	
				22 11 16 00-0104 EA 2-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	242.52	37.93
				For 300 LB Rating, Add	634.66	
				For ASTM 120, Deduct	-27.85	
				For Work In Restricted Working Space, Add	17.06	
				22 11 16 00-0105 EA 3", 150 LB, Galvanized Malleable Iron Reducing Tee.....	310.50	46.48
				For 300 LB Rating, Add	822.87	
				For ASTM 120, Deduct	-36.12	
				For Work In Restricted Working Space, Add	20.91	
				22 11 16 00-0106 EA 4", 150 LB, Galvanized Malleable Iron Reducing Tee.....	783.20	56.82
				For 300 LB Rating, Add	2,378.38	
				For ASTM 120, Deduct	-104.70	
				For Work In Restricted Working Space, Add	25.55	
				22 11 16 00-0107 EA 5", 150 LB, Galvanized Malleable Iron Reducing Tee.....	1,719.45	67.45
				For 300 LB Rating, Add	5,508.29	
				For ASTM 120, Deduct	-242.75	
				For Work In Restricted Working Space, Add	30.35	
				22 11 16 00-0108 EA 6", 150 LB, Galvanized Malleable Iron Reducing Tee.....	1,951.98	77.11
				For 300 LB Rating, Add	6,250.63	
				For ASTM 120, Deduct	-275.46	
				For Work In Restricted Working Space, Add	34.68	
				22 11 16 00-0109 EA 8", 150 LB, Galvanized Malleable Iron Reducing Tee.....	2,347.14	88.54
				For 300 LB Rating, Add	7,536.26	
				For ASTM 120, Deduct	-332.13	
				For Work In Restricted Working Space, Add	39.88	
<b>22 11 16 00-0110</b>				<b>Galvanized Malleable Iron Couplings (22 11 16 00-0013)</b>		
				22 11 16 00-0111 EA 1/2", 150 LB, Galvanized Malleable Iron Coupling.....	21.54	11.61
				For 300 LB Rating, Add	15.19	
				For ASTM 120, Deduct	-0.62	
				For Work In Restricted Working Space, Add	5.21	
				22 11 16 00-0112 EA 3/4", 150 LB, Galvanized Malleable Iron Coupling.....	24.25	12.97
				For 300 LB Rating, Add	17.45	
				For ASTM 120, Deduct	-0.72	
				For Work In Restricted Working Space, Add	5.84	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0113	EA		1", 150 LB, Galvanized Malleable Iron Coupling.....	29.58	14.47
			<i>For 300 LB Rating, Add</i>	27.99	
			<i>For ASTM 120, Deduct</i>	-1.18	
			<i>For Work In Restricted Working Space, Add</i>	6.52	
22 11 16 00-0114	EA		1-1/4", 150 LB, Galvanized Malleable Iron Coupling.....	35.68	16.43
			<i>For 300 LB Rating, Add</i>	39.15	
			<i>For ASTM 120, Deduct</i>	-1.66	
			<i>For Work In Restricted Working Space, Add</i>	7.38	
22 11 16 00-0115	EA		1-1/2", 150 LB, Galvanized Malleable Iron Coupling.....	40.33	18.51
			<i>For 300 LB Rating, Add</i>	44.47	
			<i>For ASTM 120, Deduct</i>	-1.89	
			<i>For Work In Restricted Working Space, Add</i>	8.32	
22 11 16 00-0116	EA		2", 150 LB, Galvanized Malleable Iron Coupling.....	53.64	23.54
			<i>For 300 LB Rating, Add</i>	64.71	
			<i>For ASTM 120, Deduct</i>	-2.76	
			<i>For Work In Restricted Working Space, Add</i>	10.57	
22 11 16 00-0117	EA		2-1/2", 150 LB, Galvanized Malleable Iron Coupling.....	108.51	34.81
			<i>For 300 LB Rating, Add</i>	194.75	
			<i>For ASTM 120, Deduct</i>	-8.45	
			<i>For Work In Restricted Working Space, Add</i>	15.65	
22 11 16 00-0118	EA		3", 150 LB, Galvanized Malleable Iron Coupling.....	143.95	45.76
			<i>For 300 LB Rating, Add</i>	260.24	
			<i>For ASTM 120, Deduct</i>	-11.30	
			<i>For Work In Restricted Working Space, Add</i>	20.59	
22 11 16 00-0119	EA		4", 150 LB, Galvanized Malleable Iron Coupling.....	227.42	44.97
			<i>For 300 LB Rating, Add</i>	547.98	
			<i>For ASTM 120, Deduct</i>	-24.00	
			<i>For Work In Restricted Working Space, Add</i>	20.23	
22 11 16 00-0120	EA		5", 150 LB, Galvanized Malleable Iron Coupling.....	520.84	46.93
			<i>For 300 LB Rating, Add</i>	1,535.82	
			<i>For ASTM 120, Deduct</i>	-67.57	
			<i>For Work In Restricted Working Space, Add</i>	21.11	
22 11 16 00-0121	EA		6", 150 LB, Galvanized Malleable Iron Coupling.....	586.76	49.07
			<i>For 300 LB Rating, Add</i>	1,749.29	
			<i>For ASTM 120, Deduct</i>	-76.98	
			<i>For Work In Restricted Working Space, Add</i>	22.07	
22 11 16 00-0122	EA		8", 150 LB, Galvanized Malleable Iron Coupling.....	695.39	51.28
			<i>For 300 LB Rating, Add</i>	2,107.58	
			<i>For ASTM 120, Deduct</i>	-92.78	
			<i>For Work In Restricted Working Space, Add</i>	23.06	
22 11 16 00-0123			<b>Galvanized Malleable Iron Reducing Couplings</b> (22 11 16 00-0013)		
22 11 16 00-0124	EA		1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	22.43	11.61
			<i>For 300 LB Rating, Add</i>	18.21	
			<i>For ASTM 120, Deduct</i>	-0.76	
			<i>For Work In Restricted Working Space, Add</i>	5.21	
22 11 16 00-0125	EA		3/4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	24.85	12.97
			<i>For 300 LB Rating, Add</i>	19.49	
			<i>For ASTM 120, Deduct</i>	-0.81	
			<i>For Work In Restricted Working Space, Add</i>	5.84	
22 11 16 00-0126	EA		1", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	30.72	14.47
			<i>For 300 LB Rating, Add</i>	31.87	
			<i>For ASTM 120, Deduct</i>	-1.35	
			<i>For Work In Restricted Working Space, Add</i>	6.52	
22 11 16 00-0127	EA		1-1/4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	36.23	16.43
			<i>For 300 LB Rating, Add</i>	41.02	
			<i>For ASTM 120, Deduct</i>	-1.74	
			<i>For Work In Restricted Working Space, Add</i>	7.38	
22 11 16 00-0128	EA		1-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	42.74	18.51
			<i>For 300 LB Rating, Add</i>	52.66	
			<i>For ASTM 120, Deduct</i>	-2.25	
			<i>For Work In Restricted Working Space, Add</i>	8.32	
22 11 16 00-0129	EA		2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	55.68	23.54
			<i>For 300 LB Rating, Add</i>	71.64	
			<i>For ASTM 120, Deduct</i>	-3.07	
			<i>For Work In Restricted Working Space, Add</i>	10.57	
22 11 16 00-0130	EA		2-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	109.22	34.81
			<i>For 300 LB Rating, Add</i>	197.17	
			<i>For ASTM 120, Deduct</i>	-8.56	
			<i>For Work In Restricted Working Space, Add</i>	15.65	
22 11 16 00-0131	EA		3", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	141.81	45.76
			<i>For 300 LB Rating, Add</i>	252.96	
			<i>For ASTM 120, Deduct</i>	-10.98	
			<i>For Work In Restricted Working Space, Add</i>	20.59	
22 11 16 00-0132	EA		4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	231.54	44.97
			<i>For 300 LB Rating, Add</i>	561.99	
			<i>For ASTM 120, Deduct</i>	-24.62	
			<i>For Work In Restricted Working Space, Add</i>	20.23	
22 11 16 00-0133	EA		5", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	544.55	46.93
			<i>For 300 LB Rating, Add</i>	1,616.43	
			<i>For ASTM 120, Deduct</i>	-71.13	
			<i>For Work In Restricted Working Space, Add</i>	21.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0134 EA 6", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	613.77	49.07
<i>For 300 LB Rating, Add</i>	1,841.13	
<i>For ASTM 120, Deduct</i>	-81.03	
<i>For Work In Restricted Working Space, Add</i>	22.07	
22 11 16 00-0135 EA 8", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	728.18	51.28
<i>For 300 LB Rating, Add</i>	2,219.07	
<i>For ASTM 120, Deduct</i>	-97.70	
<i>For Work In Restricted Working Space, Add</i>	23.06	
<b>22 11 16 00-0136 Galvanized Malleable Iron Caps (22 11 16 00-0013)</b>		
22 11 16 00-0137 EA 1/2", 150 LB, Galvanized Malleable Iron Cap .....	10.08	5.41
<i>For 300 LB Rating, Add</i>	7.05	
<i>For ASTM 120, Deduct</i>	-0.29	
<i>For Work In Restricted Working Space, Add</i>	2.45	
22 11 16 00-0138 EA 3/4", 150 LB, Galvanized Malleable Iron Cap .....	11.37	5.80
<i>For 300 LB Rating, Add</i>	9.63	
<i>For ASTM 120, Deduct</i>	-0.40	
<i>For Work In Restricted Working Space, Add</i>	2.61	
22 11 16 00-0139 EA 1", 150 LB, Galvanized Malleable Iron Cap .....	13.35	6.72
<i>For 300 LB Rating, Add</i>	11.89	
<i>For ASTM 120, Deduct</i>	-0.50	
<i>For Work In Restricted Working Space, Add</i>	3.01	
22 11 16 00-0140 EA 1-1/4", 150 LB, Galvanized Malleable Iron Cap .....	14.89	7.04
<i>For 300 LB Rating, Add</i>	15.49	
<i>For ASTM 120, Deduct</i>	-0.66	
<i>For Work In Restricted Working Space, Add</i>	3.16	
22 11 16 00-0141 EA 1-1/2", 150 LB, Galvanized Malleable Iron Cap .....	14.61	7.04
<i>For 300 LB Rating, Add</i>	14.54	
<i>For ASTM 120, Deduct</i>	-0.61	
<i>For Work In Restricted Working Space, Add</i>	3.16	
22 11 16 00-0142 EA 2", 150 LB, Galvanized Malleable Iron Cap .....	22.77	9.32
<i>For 300 LB Rating, Add</i>	30.59	
<i>For ASTM 120, Deduct</i>	-1.31	
<i>For Work In Restricted Working Space, Add</i>	4.21	
22 11 16 00-0143 EA 2-1/2", 150 LB, Galvanized Malleable Iron Cap .....	37.03	11.61
<i>For 300 LB Rating, Add</i>	67.85	
<i>For ASTM 120, Deduct</i>	-2.95	
<i>For Work In Restricted Working Space, Add</i>	5.21	
22 11 16 00-0144 EA 3", 150 LB, Galvanized Malleable Iron Cap .....	48.99	14.02
<i>For 300 LB Rating, Add</i>	96.36	
<i>For ASTM 120, Deduct</i>	-4.20	
<i>For Work In Restricted Working Space, Add</i>	6.31	
22 11 16 00-0145 EA 4", 150 LB, Galvanized Malleable Iron Cap .....	75.41	15.44
<i>For 300 LB Rating, Add</i>	179.17	
<i>For ASTM 120, Deduct</i>	-7.84	
<i>For Work In Restricted Working Space, Add</i>	6.94	
22 11 16 00-0146 EA 5", 150 LB, Galvanized Malleable Iron Cap .....	202.48	19.30
<i>For 300 LB Rating, Add</i>	591.91	
<i>For ASTM 120, Deduct</i>	-26.04	
<i>For Work In Restricted Working Space, Add</i>	8.67	
22 11 16 00-0147 EA 6", 150 LB, Galvanized Malleable Iron Cap .....	253.21	22.95
<i>For 300 LB Rating, Add</i>	745.88	
<i>For ASTM 120, Deduct</i>	-32.82	
<i>For Work In Restricted Working Space, Add</i>	10.33	
22 11 16 00-0148 EA 8", 150 LB, Galvanized Malleable Iron Cap .....	321.96	25.64
<i>For 300 LB Rating, Add</i>	966.27	
<i>For ASTM 120, Deduct</i>	-42.53	
<i>For Work In Restricted Working Space, Add</i>	11.53	
<b>22 11 16 00-0149 Galvanized Malleable Iron Unions (22 11 16 00-0013)</b>		
22 11 16 00-0150 EA 1/2", 150 LB, Galvanized Malleable Iron Union .....	38.06	14.47
<i>For Work In Restricted Working Space, Add</i>	6.52	
22 11 16 00-0151 EA 3/4", 150 LB, Galvanized Malleable Iron Union .....	43.83	16.75
<i>For Work In Restricted Working Space, Add</i>	7.52	
22 11 16 00-0152 EA 1", 150 LB, Galvanized Malleable Iron Union .....	54.21	19.75
<i>For Work In Restricted Working Space, Add</i>	8.89	
22 11 16 00-0153 EA 1-1/4", 150 LB, Galvanized Malleable Iron Union .....	70.75	23.54
<i>For Work In Restricted Working Space, Add</i>	10.57	
22 11 16 00-0154 EA 1-1/2", 150 LB, Galvanized Malleable Iron Union .....	85.10	28.03
<i>For Work In Restricted Working Space, Add</i>	12.62	
22 11 16 00-0155 EA 2", 150 LB, Galvanized Malleable Iron Union .....	101.63	34.81
<i>For Work In Restricted Working Space, Add</i>	15.65	
22 11 16 00-0156 EA 2-1/2", 150 LB, Galvanized Malleable Iron Union .....	248.86	51.31
<i>For Work In Restricted Working Space, Add</i>	23.10	
22 11 16 00-0157 EA 3", 150 LB, Galvanized Malleable Iron Union .....	341.84	67.47
<i>For Work In Restricted Working Space, Add</i>	30.39	
22 11 16 00-0158 EA 1/2", 250 LB, Galvanized Malleable Iron Union .....	54.93	14.47
<i>For Work In Restricted Working Space, Add</i>	6.52	
22 11 16 00-0159 EA 3/4", 250 LB, Galvanized Malleable Iron Union .....	55.24	16.75
<i>For Work In Restricted Working Space, Add</i>	7.52	
22 11 16 00-0160 EA 1", 250 LB, Galvanized Malleable Iron Union .....	67.03	19.75
<i>For Work In Restricted Working Space, Add</i>	8.89	

<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 11</b>	<b>Facility Water Distribution</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0161	EA		1-1/4", 250 LB, Galvanized Malleable Iron Union .....	91.87	23.54
			<i>For Work In Restricted Working Space, Add</i>	10.57	
22 11 16 00-0162	EA		1-1/2", 250 LB, Galvanized Malleable Iron Union .....	107.26	28.03
			<i>For Work In Restricted Working Space, Add</i>	12.62	
22 11 16 00-0163	EA		2", 250 LB, Galvanized Malleable Iron Union.....	144.23	34.81
			<i>For Work In Restricted Working Space, Add</i>	15.65	
22 11 16 00-0164	EA		2-1/2", 250 LB, Galvanized Malleable Iron Union .....	319.22	51.31
			<i>For Work In Restricted Working Space, Add</i>	23.10	
22 11 16 00-0165	EA		3", 250 LB, Galvanized Malleable Iron Union.....	472.95	67.47
			<i>For Work In Restricted Working Space, Add</i>	30.39	
22 11 16 00-0166	EA		4", 250 LB, Galvanized Malleable Iron Union.....	682.53	66.36
			<i>For Work In Restricted Working Space, Add</i>	29.86	
22 11 16 00-0167	EA		1/2", 300 LB, Galvanized Malleable Iron Union.....	59.56	14.47
			<i>For Work In Restricted Working Space, Add</i>	6.52	
22 11 16 00-0168	EA		3/4", 300 LB, Galvanized Malleable Iron Union.....	66.09	16.75
			<i>For Work In Restricted Working Space, Add</i>	7.52	
22 11 16 00-0169	EA		1", 300 LB, Galvanized Malleable Iron Union.....	84.05	19.75
			<i>For Work In Restricted Working Space, Add</i>	8.89	
22 11 16 00-0170	EA		1-1/4", 300 LB, Galvanized Malleable Iron Union .....	111.11	23.54
			<i>For Work In Restricted Working Space, Add</i>	10.57	
22 11 16 00-0171	EA		1-1/2", 300 LB, Galvanized Malleable Iron Union .....	133.43	28.03
			<i>For Work In Restricted Working Space, Add</i>	12.62	
22 11 16 00-0172	EA		2", 300 LB, Galvanized Malleable Iron Union.....	161.82	34.81
			<i>For Work In Restricted Working Space, Add</i>	15.65	
22 11 16 00-0173	EA		2-1/2", 300 LB, Galvanized Malleable Iron Union .....	382.90	51.31
			<i>For Work In Restricted Working Space, Add</i>	23.10	
22 11 16 00-0174	EA		3", 300 LB, Galvanized Malleable Iron Union.....	618.68	67.47
			<i>For Work In Restricted Working Space, Add</i>	30.39	
22 11 16 00-0175	EA		4", 300 LB, Galvanized Malleable Iron Union.....	1,397.14	66.36
			<i>For Work In Restricted Working Space, Add</i>	29.86	
<b>22 11 16 00-0176</b>			<b>Galvanized Steel Nipples (22 11 16 00-0013)</b>		
			Note: ASTM A-53.		
22 11 16 00-0177	EA		3/8" x Close, Schedule 40 Galvanized Steel Nipple.....	11.02	6.19
			<i>For Schedule 40 Nipples, Add</i>	1.94	
			<i>For ASTM 120, Deduct</i>	-0.26	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
22 11 16 00-0178	EA		1/2" x Close, Schedule 40 Galvanized Steel Nipple.....	10.70	6.19
			<i>For Schedule 80 Nipples, Add</i>	1.57	
			<i>For ASTM 120, Deduct</i>	-0.21	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
22 11 16 00-0179	EA		3/4" x Close, Schedule 40 Galvanized Steel Nipple.....	11.00	6.19
			<i>For Schedule 80 Nipples, Add</i>	1.92	
			<i>For ASTM 120, Deduct</i>	-0.25	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
22 11 16 00-0180	EA		1" x Close, Schedule 40 Galvanized Steel Nipple.....	12.33	6.72
			<i>For Schedule 80 Nipples, Add</i>	2.62	
			<i>For ASTM 120, Deduct</i>	-0.35	
			<i>For Work In Restricted Working Space, Add</i>	3.01	
22 11 16 00-0181	EA		1-1/4" x Close, Schedule 40 Galvanized Steel Nipple .....	13.94	7.24
			<i>For Schedule 80 Nipples, Add</i>	3.51	
			<i>For ASTM 120, Deduct</i>	-0.46	
			<i>For Work In Restricted Working Space, Add</i>	3.26	
22 11 16 00-0182	EA		1-1/2" x Close, Schedule 40 Galvanized Steel Nipple .....	14.48	7.24
			<i>For Schedule 80 Nipples, Add</i>	4.13	
			<i>For ASTM 120, Deduct</i>	-0.54	
			<i>For Work In Restricted Working Space, Add</i>	3.26	
22 11 16 00-0183	EA		2" x Close, Schedule 40 Galvanized Steel Nipple.....	19.12	9.32
			<i>For Schedule 80 Nipples, Add</i>	5.81	
			<i>For ASTM 120, Deduct</i>	-0.77	
			<i>For Work In Restricted Working Space, Add</i>	4.21	
22 11 16 00-0184	EA		2-1/2" x Close, Schedule 40 Galvanized Steel Nipple .....	32.56	11.61
			<i>For Schedule 80 Nipples, Add</i>	17.31	
			<i>For ASTM 120, Deduct</i>	-2.28	
			<i>For Work In Restricted Working Space, Add</i>	5.21	
22 11 16 00-0185	EA		3" x Close, Schedule 40 Galvanized Steel Nipple.....	39.21	14.02
			<i>For Schedule 80 Nipples, Add</i>	20.74	
			<i>For ASTM 120, Deduct</i>	-2.73	
			<i>For Work In Restricted Working Space, Add</i>	6.31	
22 11 16 00-0186	EA		4" x Close, Schedule 40 Galvanized Steel Nipple.....	50.38	15.44
			<i>For Schedule 80 Nipples, Add</i>	31.08	
			<i>For ASTM 120, Deduct</i>	-4.09	
			<i>For Work In Restricted Working Space, Add</i>	6.94	
22 11 16 00-0187	EA		3/8" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	11.28	6.19
			<i>For Schedule 80 Nipples, Add</i>	2.23	
			<i>For ASTM 120, Deduct</i>	-0.29	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
22 11 16 00-0188	EA		1/2" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	10.77	6.19
			<i>For Schedule 80 Nipples, Add</i>	1.65	
			<i>For ASTM 120, Deduct</i>	-0.22	
			<i>For Work In Restricted Working Space, Add</i>	2.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0189 EA 3/4" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	11.14 2.07 -0.27 2.80	6.19
22 11 16 00-0190 EA 3/8" x 2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	11.28 2.23 -0.29 2.80	6.19
22 11 16 00-0191 EA 1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	10.77 1.65 -0.22 2.80	6.19
22 11 16 00-0192 EA 3/4" x 2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	11.14 2.07 -0.27 2.80	6.19
22 11 16 00-0193 EA 1" x 2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	12.74 3.09 -0.41 3.01	6.72
22 11 16 00-0194 EA 1-1/4" x 2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	14.17 3.77 -0.50 3.26	7.24
22 11 16 00-0195 EA 1-1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	14.74 4.42 -0.58 3.26	7.24
22 11 16 00-0196 EA 3/8" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	11.93 2.98 -0.39 2.80	6.19
22 11 16 00-0197 EA 1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	11.02 1.94 -0.26 2.80	6.19
22 11 16 00-0198 EA 3/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	11.34 2.30 -0.30 2.80	6.19
22 11 16 00-0199 EA 1" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	12.97 3.35 -0.44 3.01	6.72
22 11 16 00-0200 EA 1-1/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	14.49 4.14 -0.54 3.26	7.24
22 11 16 00-0201 EA 1-1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.19 4.94 -0.65 3.26	7.24
22 11 16 00-0202 EA 2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	19.76 6.54 -0.86 4.21	9.32
22 11 16 00-0203 EA 3/8" x 3" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	11.93 2.98 -0.39 2.80	6.19
22 11 16 00-0204 EA 1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	11.02 1.94 -0.26 2.80	6.19
22 11 16 00-0205 EA 3/4" x 3" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	11.34 2.30 -0.30 2.80	6.19
22 11 16 00-0206 EA 1" x 3" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	12.97 3.35 -0.44 3.01	6.72
22 11 16 00-0207 EA 1-1/4" x 3" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	14.49 4.14 -0.54 3.26	7.24
22 11 16 00-0208 EA 1-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	15.19 4.94 -0.65 3.26	7.24
22 11 16 00-0209 EA 2" x 3" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	19.76 6.54 -0.86 4.21	9.32

<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 11</b>	<b>Facility Water Distribution</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0210	EA		2-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple .....	33.14	11.61
			<i>For Schedule 80 Nipples, Add</i>	17.97	
			<i>For ASTM 120, Deduct</i>	-2.36	
			<i>For Work In Restricted Working Space, Add</i>	5.21	
22 11 16 00-0211	EA		3" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	41.71	14.02
			<i>For Schedule 80 Nipples, Add</i>	23.59	
			<i>For ASTM 120, Deduct</i>	-3.10	
			<i>For Work In Restricted Working Space, Add</i>	6.31	
22 11 16 00-0212	EA		3/8" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	12.42	6.19
			<i>For Schedule 80 Nipples, Add</i>	3.53	
			<i>For ASTM 120, Deduct</i>	-0.47	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
22 11 16 00-0213	EA		1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	11.42	6.19
			<i>For Schedule 80 Nipples, Add</i>	2.39	
			<i>For ASTM 120, Deduct</i>	-0.32	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
22 11 16 00-0214	EA		3/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	11.93	6.19
			<i>For Schedule 80 Nipples, Add</i>	2.98	
			<i>For ASTM 120, Deduct</i>	-0.39	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
22 11 16 00-0215	EA		1" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	13.56	6.72
			<i>For Schedule 80 Nipples, Add</i>	4.02	
			<i>For ASTM 120, Deduct</i>	-0.53	
			<i>For Work In Restricted Working Space, Add</i>	3.01	
22 11 16 00-0216	EA		1-1/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	15.19	7.24
			<i>For Schedule 80 Nipples, Add</i>	4.94	
			<i>For ASTM 120, Deduct</i>	-0.65	
			<i>For Work In Restricted Working Space, Add</i>	3.26	
22 11 16 00-0217	EA		1-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	16.33	7.24
			<i>For Schedule 80 Nipples, Add</i>	6.24	
			<i>For ASTM 120, Deduct</i>	-0.82	
			<i>For Work In Restricted Working Space, Add</i>	3.26	
22 11 16 00-0218	EA		2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	20.99	9.32
			<i>For Schedule 80 Nipples, Add</i>	7.95	
			<i>For ASTM 120, Deduct</i>	-1.05	
			<i>For Work In Restricted Working Space, Add</i>	4.21	
22 11 16 00-0219	EA		2-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	35.67	11.61
			<i>For Schedule 80 Nipples, Add</i>	20.85	
			<i>For ASTM 120, Deduct</i>	-2.74	
			<i>For Work In Restricted Working Space, Add</i>	5.21	
22 11 16 00-0220	EA		3" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	45.30	14.02
			<i>For Schedule 80 Nipples, Add</i>	27.68	
			<i>For ASTM 120, Deduct</i>	-3.64	
			<i>For Work In Restricted Working Space, Add</i>	6.31	
22 11 16 00-0221	EA		3/8" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	12.42	6.19
			<i>For Schedule 80 Nipples, Add</i>	3.53	
			<i>For ASTM 120, Deduct</i>	-0.47	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
22 11 16 00-0222	EA		1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	11.42	6.19
			<i>For Schedule 80 Nipples, Add</i>	2.39	
			<i>For ASTM 120, Deduct</i>	-0.32	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
22 11 16 00-0223	EA		3/4" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	12.42	6.19
			<i>For Schedule 80 Nipples, Add</i>	3.53	
			<i>For ASTM 120, Deduct</i>	-0.47	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
22 11 16 00-0224	EA		1" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	13.56	6.72
			<i>For Schedule 80 Nipples, Add</i>	4.02	
			<i>For ASTM 120, Deduct</i>	-0.53	
			<i>For Work In Restricted Working Space, Add</i>	3.01	
22 11 16 00-0225	EA		1-1/4" x 4" Long, Schedule 40 Galvanized Steel Nipple .....	15.19	7.24
			<i>For Schedule 80 Nipples, Add</i>	4.94	
			<i>For ASTM 120, Deduct</i>	-0.65	
			<i>For Work In Restricted Working Space, Add</i>	3.26	
22 11 16 00-0226	EA		1-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple .....	16.33	7.24
			<i>For Schedule 80 Nipples, Add</i>	6.24	
			<i>For ASTM 120, Deduct</i>	-0.82	
			<i>For Work In Restricted Working Space, Add</i>	3.26	
22 11 16 00-0227	EA		2" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	21.05	9.32
			<i>For Schedule 80 Nipples, Add</i>	8.01	
			<i>For ASTM 120, Deduct</i>	-1.05	
			<i>For Work In Restricted Working Space, Add</i>	4.21	
22 11 16 00-0228	EA		2-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple .....	35.67	11.61
			<i>For Schedule 80 Nipples, Add</i>	20.85	
			<i>For ASTM 120, Deduct</i>	-2.74	
			<i>For Work In Restricted Working Space, Add</i>	5.21	
22 11 16 00-0229	EA		3" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	45.30	14.02
			<i>For Schedule 80 Nipples, Add</i>	27.68	
			<i>For ASTM 120, Deduct</i>	-3.64	
			<i>For Work In Restricted Working Space, Add</i>	6.31	
22 11 16 00-0230	EA		4" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	55.72	15.44
			<i>For Schedule 80 Nipples, Add</i>	37.16	
			<i>For ASTM 120, Deduct</i>	-4.89	
			<i>For Work In Restricted Working Space, Add</i>	6.94	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0231	EA			3/8" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	13.59 4.87 -0.64 2.80	6.19
22 11 16 00-0232	EA			1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	11.85 2.88 -0.38 2.80	6.19
22 11 16 00-0233	EA			3/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	12.43 3.55 -0.47 2.80	6.19
22 11 16 00-0234	EA			1" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	14.36 4.94 -0.65 3.01	6.72
22 11 16 00-0235	EA			1-1/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	16.21 6.10 -0.80 3.26	7.24
22 11 16 00-0236	EA			1-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	17.47 7.54 -0.99 3.26	7.24
22 11 16 00-0237	EA			2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.91 10.13 -1.33 4.21	9.32
22 11 16 00-0238	EA			2-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	37.78 23.26 -3.06 5.21	11.61
22 11 16 00-0239	EA			3" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	49.32 32.26 -4.25 6.31	14.02
22 11 16 00-0240	EA			4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	59.68 41.68 -5.48 6.94	15.44
22 11 16 00-0241	EA			3/8" x 5" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	13.59 4.87 -0.64 2.80	6.19
22 11 16 00-0242	EA			1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	11.85 2.88 -0.38 2.80	6.19
22 11 16 00-0243	EA			3/4" x 5" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	12.43 3.55 -0.47 2.80	6.19
22 11 16 00-0244	EA			1" x 5" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	14.36 4.94 -0.65 3.01	6.72
22 11 16 00-0245	EA			1-1/4" x 5" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	16.21 6.10 -0.80 3.26	7.24
22 11 16 00-0246	EA			1-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	17.47 7.54 -0.99 3.26	7.24
22 11 16 00-0247	EA			2" x 5" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.91 10.13 -1.33 4.21	9.32
22 11 16 00-0248	EA			2-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	37.78 23.26 -3.06 5.21	11.61
22 11 16 00-0249	EA			3" x 5" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	49.32 32.26 -4.25 6.31	14.02
22 11 16 00-0250	EA			4" x 5" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	59.68 41.68 -5.48 6.94	15.44
22 11 16 00-0251	EA			3/8" x 6" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	14.06 5.40 -0.71 2.80	6.19



<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 11</b>	<b>Facility Water Distribution</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0252	EA		1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	12.20	6.19
			<i>For Schedule 80 Nipples, Add</i>	3.28	
			<i>For ASTM 120, Deduct</i>	-0.43	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
22 11 16 00-0253	EA		3/4" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	13.06	6.19
			<i>For Schedule 80 Nipples, Add</i>	4.26	
			<i>For ASTM 120, Deduct</i>	-0.56	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
22 11 16 00-0254	EA		1" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	14.94	6.72
			<i>For Schedule 80 Nipples, Add</i>	5.60	
			<i>For ASTM 120, Deduct</i>	-0.74	
			<i>For Work In Restricted Working Space, Add</i>	3.01	
22 11 16 00-0255	EA		1-1/4" x 6" Long, Schedule 40 Galvanized Steel Nipple .....	17.07	7.24
			<i>For Schedule 80 Nipples, Add</i>	7.08	
			<i>For ASTM 120, Deduct</i>	-0.93	
			<i>For Work In Restricted Working Space, Add</i>	3.26	
22 11 16 00-0256	EA		1-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple .....	18.30	7.24
			<i>For Schedule 80 Nipples, Add</i>	8.48	
			<i>For ASTM 120, Deduct</i>	-1.12	
			<i>For Work In Restricted Working Space, Add</i>	3.26	
22 11 16 00-0257	EA		2" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	24.35	9.32
			<i>For Schedule 80 Nipples, Add</i>	11.78	
			<i>For ASTM 120, Deduct</i>	-1.55	
			<i>For Work In Restricted Working Space, Add</i>	4.21	
22 11 16 00-0258	EA		2-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple .....	39.79	11.61
			<i>For Schedule 80 Nipples, Add</i>	25.55	
			<i>For ASTM 120, Deduct</i>	-3.36	
			<i>For Work In Restricted Working Space, Add</i>	5.21	
22 11 16 00-0259	EA		3" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	50.95	14.02
			<i>For Schedule 80 Nipples, Add</i>	34.12	
			<i>For ASTM 120, Deduct</i>	-4.49	
			<i>For Work In Restricted Working Space, Add</i>	6.31	
22 11 16 00-0260	EA		4" x 6" Long, Schedule 40 Galvanized Steel Nipple.....	63.53	15.44
			<i>For Schedule 80 Nipples, Add</i>	46.07	
			<i>For ASTM 120, Deduct</i>	-6.06	
			<i>For Work In Restricted Working Space, Add</i>	6.94	
22 11 16 00-0261	EA		3/8" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	28.28	6.19
			<i>For Schedule 80 Nipples, Add</i>	21.61	
			<i>For ASTM 120, Deduct</i>	-2.84	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
22 11 16 00-0262	EA		1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	14.39	6.19
			<i>For Schedule 80 Nipples, Add</i>	5.78	
			<i>For ASTM 120, Deduct</i>	-0.76	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
22 11 16 00-0263	EA		3/4" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	15.80	6.19
			<i>For Schedule 80 Nipples, Add</i>	7.39	
			<i>For ASTM 120, Deduct</i>	-0.97	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
22 11 16 00-0264	EA		1" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	18.24	6.72
			<i>For Schedule 80 Nipples, Add</i>	9.36	
			<i>For ASTM 120, Deduct</i>	-1.23	
			<i>For Work In Restricted Working Space, Add</i>	3.01	
22 11 16 00-0265	EA		1-1/4" x 8" Long, Schedule 40 Galvanized Steel Nipple .....	20.93	7.24
			<i>For Schedule 80 Nipples, Add</i>	11.48	
			<i>For ASTM 120, Deduct</i>	-1.51	
			<i>For Work In Restricted Working Space, Add</i>	3.26	
22 11 16 00-0266	EA		1-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple .....	22.41	7.24
			<i>For Schedule 80 Nipples, Add</i>	13.17	
			<i>For ASTM 120, Deduct</i>	-1.73	
			<i>For Work In Restricted Working Space, Add</i>	3.26	
22 11 16 00-0267	EA		2" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	30.86	9.32
			<i>For Schedule 80 Nipples, Add</i>	19.20	
			<i>For ASTM 120, Deduct</i>	-2.53	
			<i>For Work In Restricted Working Space, Add</i>	4.21	
22 11 16 00-0268	EA		2-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple .....	46.23	11.61
			<i>For Schedule 80 Nipples, Add</i>	32.89	
			<i>For ASTM 120, Deduct</i>	-4.33	
			<i>For Work In Restricted Working Space, Add</i>	5.21	
22 11 16 00-0269	EA		3" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	61.34	14.02
			<i>For Schedule 80 Nipples, Add</i>	45.96	
			<i>For ASTM 120, Deduct</i>	-6.05	
			<i>For Work In Restricted Working Space, Add</i>	6.31	
22 11 16 00-0270	EA		4" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	71.34	15.44
			<i>For Schedule 80 Nipples, Add</i>	54.97	
			<i>For ASTM 120, Deduct</i>	-7.23	
			<i>For Work In Restricted Working Space, Add</i>	6.94	
22 11 16 00-0271	EA		3/8" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	18.36	6.19
			<i>For Schedule 80 Nipples, Add</i>	10.31	
			<i>For ASTM 120, Deduct</i>	-1.36	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
22 11 16 00-0272	EA		1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	15.34	6.19
			<i>For Schedule 80 Nipples, Add</i>	6.86	
			<i>For ASTM 120, Deduct</i>	-0.90	
			<i>For Work In Restricted Working Space, Add</i>	2.80	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0273	EA		3/4" x 10" Long, Schedule 40 Galvanized Steel Nipple .....	16.51	6.19
			<i>For Schedule 80 Nipples, Add</i>	8.20	
			<i>For ASTM 120, Deduct</i>	-1.08	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
22 11 16 00-0274	EA		1" x 10" Long, Schedule 40 Galvanized Steel Nipple .....	19.41	6.72
			<i>For Schedule 80 Nipples, Add</i>	10.69	
			<i>For ASTM 120, Deduct</i>	-1.41	
			<i>For Work In Restricted Working Space, Add</i>	3.01	
22 11 16 00-0275	EA		1-1/4" x 10" Long, Schedule 40 Galvanized Steel Nipple .....	22.90	7.24
			<i>For Schedule 80 Nipples, Add</i>	13.73	
			<i>For ASTM 120, Deduct</i>	-1.81	
			<i>For Work In Restricted Working Space, Add</i>	3.26	
22 11 16 00-0276	EA		1-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple .....	24.32	7.24
			<i>For Schedule 80 Nipples, Add</i>	15.34	
			<i>For ASTM 120, Deduct</i>	-2.02	
			<i>For Work In Restricted Working Space, Add</i>	3.26	
22 11 16 00-0277	EA		2" x 10" Long, Schedule 40 Galvanized Steel Nipple .....	33.72	9.32
			<i>For Schedule 80 Nipples, Add</i>	22.46	
			<i>For ASTM 120, Deduct</i>	-2.96	
			<i>For Work In Restricted Working Space, Add</i>	4.21	
22 11 16 00-0278	EA		2-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple .....	50.26	11.61
			<i>For Schedule 80 Nipples, Add</i>	37.48	
			<i>For ASTM 120, Deduct</i>	-4.93	
			<i>For Work In Restricted Working Space, Add</i>	5.21	
22 11 16 00-0279	EA		3" x 10" Long, Schedule 40 Galvanized Steel Nipple .....	67.02	14.02
			<i>For Schedule 80 Nipples, Add</i>	52.44	
			<i>For ASTM 120, Deduct</i>	-6.90	
			<i>For Work In Restricted Working Space, Add</i>	6.31	
22 11 16 00-0280	EA		4" x 10" Long, Schedule 40 Galvanized Steel Nipple .....	79.00	15.44
			<i>For Schedule 80 Nipples, Add</i>	63.70	
			<i>For ASTM 120, Deduct</i>	-8.38	
			<i>For Work In Restricted Working Space, Add</i>	6.94	
22 11 16 00-0281	EA		3/8" x 12" Long, Schedule 40 Galvanized Steel Nipple .....	19.34	6.19
			<i>For Schedule 80 Nipples, Add</i>	11.42	
			<i>For ASTM 120, Deduct</i>	-1.50	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
22 11 16 00-0282	EA		1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple .....	16.17	6.19
			<i>For Schedule 80 Nipples, Add</i>	7.81	
			<i>For ASTM 120, Deduct</i>	-1.03	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
22 11 16 00-0283	EA		3/4" x 12" Long, Schedule 40 Galvanized Steel Nipple .....	17.38	6.19
			<i>For Schedule 80 Nipples, Add</i>	9.19	
			<i>For ASTM 120, Deduct</i>	-1.21	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
22 11 16 00-0284	EA		1" x 12" Long, Schedule 40 Galvanized Steel Nipple .....	20.95	6.72
			<i>For Schedule 80 Nipples, Add</i>	12.45	
			<i>For ASTM 120, Deduct</i>	-1.64	
			<i>For Work In Restricted Working Space, Add</i>	3.01	
22 11 16 00-0285	EA		1-1/4" x 12" Long, Schedule 40 Galvanized Steel Nipple .....	25.31	7.24
			<i>For Schedule 80 Nipples, Add</i>	16.47	
			<i>For ASTM 120, Deduct</i>	-2.17	
			<i>For Work In Restricted Working Space, Add</i>	3.26	
22 11 16 00-0286	EA		1-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple .....	26.26	7.24
			<i>For Schedule 80 Nipples, Add</i>	17.56	
			<i>For ASTM 120, Deduct</i>	-2.31	
			<i>For Work In Restricted Working Space, Add</i>	3.26	
22 11 16 00-0287	EA		2" x 12" Long, Schedule 40 Galvanized Steel Nipple .....	36.63	9.32
			<i>For Schedule 80 Nipples, Add</i>	25.78	
			<i>For ASTM 120, Deduct</i>	-3.39	
			<i>For Work In Restricted Working Space, Add</i>	4.21	
22 11 16 00-0288	EA		2-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple .....	54.17	11.61
			<i>For Schedule 80 Nipples, Add</i>	41.94	
			<i>For ASTM 120, Deduct</i>	-5.52	
			<i>For Work In Restricted Working Space, Add</i>	5.21	
22 11 16 00-0289	EA		3" x 12" Long, Schedule 40 Galvanized Steel Nipple .....	72.74	14.02
			<i>For Schedule 80 Nipples, Add</i>	58.96	
			<i>For ASTM 120, Deduct</i>	-7.76	
			<i>For Work In Restricted Working Space, Add</i>	6.31	
22 11 16 00-0290	EA		4" x 12" Long, Schedule 40 Galvanized Steel Nipple .....	86.74	15.44
			<i>For Schedule 80 Nipples, Add</i>	72.53	
			<i>For ASTM 120, Deduct</i>	-9.54	
			<i>For Work In Restricted Working Space, Add</i>	6.94	
22 11 16 00-0291			<b>Galvanized Malleable Iron Square Head Plugs</b> (22 11 16 00-0013) .....	12.14	4.63
22 11 16 00-0292	EA		1/2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	12.14	
			<i>For 300 LB Rating, Add</i>	18.03	
			<i>For Work In Restricted Working Space, Add</i>	2.09	
22 11 16 00-0293	EA		3/4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	12.96	5.21
			<i>For 300 LB Rating, Add</i>	18.08	
			<i>For Work In Restricted Working Space, Add</i>	2.33	
22 11 16 00-0294	EA		1", 150 LB, Galvanized Malleable Iron Square Head Plug.....	14.37	5.80
			<i>For 300 LB Rating, Add</i>	19.83	
			<i>For Work In Restricted Working Space, Add</i>	2.61	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0295	EA	1-1/4"	150 LB, Galvanized Malleable Iron Square Head Plug.....	18.57	6.58
			<i>For 300 LB Rating, Add</i>	30.27	
			<i>For Work In Restricted Working Space, Add</i>	2.95	
22 11 16 00-0296	EA	1-1/2"	150 LB, Galvanized Malleable Iron Square Head Plug.....	22.85	7.37
			<i>For 300 LB Rating, Add</i>	40.65	
			<i>For Work In Restricted Working Space, Add</i>	3.33	
22 11 16 00-0297	EA	2"	150 LB, Galvanized Malleable Iron Square Head Plug.....	29.06	9.39
			<i>For 300 LB Rating, Add</i>	51.71	
			<i>For Work In Restricted Working Space, Add</i>	4.23	
22 11 16 00-0298	EA	2-1/2"	150 LB, Galvanized Malleable Iron Square Head Plug.....	50.04	13.89
			<i>For 300 LB Rating, Add</i>	100.46	
			<i>For Work In Restricted Working Space, Add</i>	6.26	
22 11 16 00-0299	EA	3"	150 LB, Galvanized Malleable Iron Square Head Plug.....	68.84	18.32
			<i>For 300 LB Rating, Add</i>	142.37	
			<i>For Work In Restricted Working Space, Add</i>	8.24	
22 11 16 00-0300	EA	4"	150 LB, Galvanized Malleable Iron Square Head Plug.....	112.91	17.98
			<i>For 300 LB Rating, Add</i>	293.81	
			<i>For Work In Restricted Working Space, Add</i>	8.09	
22 11 16 00-0301	EA	5"	150 LB, Galvanized Malleable Iron Square Head Plug.....	185.83	18.79
			<i>For 300 LB Rating, Add</i>	537.80	
			<i>For Work In Restricted Working Space, Add</i>	8.45	
22 11 16 00-0302	EA	6"	150 LB, Galvanized Malleable Iron Square Head Plug.....	199.89	19.60
			<i>For 300 LB Rating, Add</i>	581.33	
			<i>For Work In Restricted Working Space, Add</i>	8.83	
<b>22 11 16 00-0303</b>			<b>Galvanized Malleable Iron Bushing</b> <small>(22 11 16 00-0013)</small>		
22 11 16 00-0304	EA	3/4" x 1/2"	150 LB, Galvanized Malleable Iron Bushing.....	29.32	12.25
			<i>For Work In Restricted Working Space, Add</i>	5.53	
22 11 16 00-0305	EA	1" x 1/2"	150 LB, Galvanized Malleable Iron Bushing.....	32.59	13.04
			<i>For Work In Restricted Working Space, Add</i>	5.87	
22 11 16 00-0306	EA	1" x 3/4"	150 LB, Galvanized Malleable Iron Bushing.....	32.95	13.75
			<i>For Work In Restricted Working Space, Add</i>	6.18	
22 11 16 00-0307	EA	1-1/4" x 1/2"	150 LB, Galvanized Malleable Iron Bushing.....	39.25	14.02
			<i>For Work In Restricted Working Space, Add</i>	6.30	
22 11 16 00-0308	EA	1-1/4" x 3/4"	150 LB, Galvanized Malleable Iron Bushing.....	38.63	14.67
			<i>For Work In Restricted Working Space, Add</i>	6.61	
22 11 16 00-0309	EA	1-1/4" x 1"	150 LB, Galvanized Malleable Iron Bushing.....	39.77	15.45
			<i>For Work In Restricted Working Space, Add</i>	6.95	
22 11 16 00-0310	EA	1-1/2" x 1/2"	150 LB, Galvanized Malleable Iron Bushing.....	46.69	15.05
			<i>For Work In Restricted Working Space, Add</i>	6.77	
22 11 16 00-0311	EA	1-1/2" x 3/4"	150 LB, Galvanized Malleable Iron Bushing.....	47.73	15.71
			<i>For Work In Restricted Working Space, Add</i>	7.08	
22 11 16 00-0312	EA	1-1/2" x 1"	150 LB, Galvanized Malleable Iron Bushing.....	46.49	16.50
			<i>For Work In Restricted Working Space, Add</i>	7.42	
22 11 16 00-0313	EA	1-1/2" x 1-1/4"	150 LB, Galvanized Malleable Iron Bushing.....	46.25	17.47
			<i>For Work In Restricted Working Space, Add</i>	7.85	
22 11 16 00-0314	EA	2" x 1/2"	150 LB, Galvanized Malleable Iron Bushing.....	56.45	17.54
			<i>For Work In Restricted Working Space, Add</i>	7.89	
22 11 16 00-0315	EA	2" x 3/4"	150 LB, Galvanized Malleable Iron Bushing.....	55.40	18.25
			<i>For Work In Restricted Working Space, Add</i>	8.21	
22 11 16 00-0316	EA	2" x 1"	150 LB, Galvanized Malleable Iron Bushing.....	55.00	18.97
			<i>For Work In Restricted Working Space, Add</i>	8.54	
22 11 16 00-0317	EA	2" x 1-1/4"	150 LB, Galvanized Malleable Iron Bushing.....	56.44	19.95
			<i>For Work In Restricted Working Space, Add</i>	8.98	
22 11 16 00-0318	EA	2" x 1-1/2"	150 LB, Galvanized Malleable Iron Bushing.....	54.74	20.99
			<i>For Work In Restricted Working Space, Add</i>	9.44	
22 11 16 00-0319	EA	2-1/2" x 3/4"	150 LB, Galvanized Malleable Iron Bushing.....	79.42	23.86
			<i>For Work In Restricted Working Space, Add</i>	10.74	
22 11 16 00-0320	EA	2-1/2" x 1"	150 LB, Galvanized Malleable Iron Bushing.....	80.56	24.64
			<i>For Work In Restricted Working Space, Add</i>	11.09	
22 11 16 00-0321	EA	2-1/2" x 1-1/4"	150 LB, Galvanized Malleable Iron Bushing.....	81.99	25.55
			<i>For Work In Restricted Working Space, Add</i>	11.51	
22 11 16 00-0322	EA	2-1/2" x 1-1/2"	150 LB, Galvanized Malleable Iron Bushing.....	82.76	26.66
			<i>For Work In Restricted Working Space, Add</i>	11.99	
22 11 16 00-0323	EA	2-1/2" x 2"	150 LB, Galvanized Malleable Iron Bushing.....	81.62	29.14
			<i>For Work In Restricted Working Space, Add</i>	13.11	
22 11 16 00-0324	EA	3" x 3/4"	150 LB, Galvanized Malleable Iron Bushing.....	101.62	29.33
			<i>For Work In Restricted Working Space, Add</i>	13.22	
22 11 16 00-0325	EA	3" x 1"	150 LB, Galvanized Malleable Iron Bushing.....	102.74	30.12
			<i>For Work In Restricted Working Space, Add</i>	13.55	
22 11 16 00-0326	EA	3" x 1-1/4"	150 LB, Galvanized Malleable Iron Bushing.....	104.18	31.10
			<i>For Work In Restricted Working Space, Add</i>	13.98	
22 11 16 00-0327	EA	3" x 1-1/2"	150 LB, Galvanized Malleable Iron Bushing.....	104.62	32.14
			<i>For Work In Restricted Working Space, Add</i>	14.45	
22 11 16 00-0328	EA	3" x 2"	150 LB, Galvanized Malleable Iron Bushing.....	103.11	34.62
			<i>For Work In Restricted Working Space, Add</i>	15.58	
22 11 16 00-0329	EA	3" x 2-1/2"	150 LB, Galvanized Malleable Iron Bushing.....	114.53	40.28
			<i>For Work In Restricted Working Space, Add</i>	18.11	
22 11 16 00-0330	EA	4" x 3/4"	150 LB, Galvanized Malleable Iron Bushing.....	163.02	28.20
			<i>For Work In Restricted Working Space, Add</i>	12.71	
22 11 16 00-0331	EA	4" x 1"	150 LB, Galvanized Malleable Iron Bushing.....	164.02	28.90
			<i>For Work In Restricted Working Space, Add</i>	13.01	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0332	EA		4" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	165.29 13.39	29.77
22 11 16 00-0333	EA		4" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	166.68 13.80	30.69
22 11 16 00-0334	EA		4" x 2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	155.80 14.80	32.89
22 11 16 00-0335	EA		4" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	177.50 17.05	37.92
22 11 16 00-0336	EA		4" x 3", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	176.84 19.25	42.77
<b>22 11 16 00-0337</b>			<b>Galvanized Malleable Iron Floor Flange</b> (22 11 16 00-0013)		
22 11 16 00-0338	EA		1/2", 150 LB, Galvanized Malleable Iron Floor Flange.....	41.36	23.82
22 11 16 00-0339	EA		3/4", 150 LB, Galvanized Malleable Iron Floor Flange.....	45.19	26.08
22 11 16 00-0340	EA		1", 150 LB, Galvanized Malleable Iron Floor Flange.....	52.09	29.46
22 11 16 00-0341	EA		1-1/4", 150 LB, Galvanized Malleable Iron Floor Flange.....	54.19	30.51
22 11 16 00-0342	EA		1-1/2", 150 LB, Galvanized Malleable Iron Floor Flange.....	58.98	33.19
22 11 16 00-0343	EA		2", 150 LB, Galvanized Malleable Iron Floor Flange.....	63.95	34.62
<b>22 11 16 00-0344</b>			<b>Galvanized Cast Iron Flanges</b> (22 11 16 00-0013)		
22 11 16 00-0345	EA		3/4", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	86.56 11.73	26.08
22 11 16 00-0346	EA		1", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	80.93 13.26	29.46
22 11 16 00-0347	EA		1-1/4", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	65.16 13.72	30.51
22 11 16 00-0348	EA		1-1/2", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	92.91 14.93	33.19
22 11 16 00-0349	EA		2", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	89.87 15.58	34.62
22 11 16 00-0350	EA		2-1/2", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	104.46 18.02	40.09
22 11 16 00-0351	EA		3", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	196.09 22.87	50.85
22 11 16 00-0352	EA		4", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	255.73 27.74	61.67
22 11 16 00-0353	EA		5", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	366.39 33.02	73.41
22 11 16 00-0354	EA		6", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	400.41 37.93	84.33
22 11 16 00-0355	EA		8", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	358.70 43.35	96.38
<b>22 11 16 00-0356</b>			<b>Cut And Thread Existing In-Place Galvanized Steel Pipe</b> (22 11 16 00-0013)		
			Note: For use when connecting pipe to an existing in-place system.		
22 11 16 00-0357	EA		1/2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	21.24 6.37	
22 11 16 00-0358	EA		3/4", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	23.37 7.01	
22 11 16 00-0359	EA		1", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	25.49 7.65	
22 11 16 00-0360	EA		1-1/4", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	27.61 8.28	
22 11 16 00-0361	EA		1-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	29.03 8.71	
22 11 16 00-0362	EA		2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	30.45 9.14	
22 11 16 00-0363	EA		2-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	31.87 9.56	
22 11 16 00-0364	EA		3", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	33.28 9.98	
22 11 16 00-0365	EA		4", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	34.70 10.41	
22 11 16 00-0366	EA		6", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	37.53 11.26	
22 11 16 00-0367	EA		8", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	40.36 12.11	
<b>22 11 16 00-0368</b>			<b>Copper Pipe And Fittings</b> (22 11 16)		
			Note: Excludes hangers. See CSI section 22 11 16 00-0852 for pipe with fittings assembly.		
<b>22 11 16 00-0369</b>			<b>Copper Tube/Pipe</b> (22 11 16 00-0368)		
			Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).		
<b>22 11 16 00-0370</b>			<b>Hard Drawn Type L Copper Tube/Pipe</b> (22 11 16 00-0369)		
22 11 16 00-0371	LF		1/4" Hard Drawn Type L Copper Tube/Pipe..... <i>For Medical/Oxygen Service Tubing, Add</i> <i>For &lt;20, Add</i> <i>For &gt;150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	3.08 0.06 0.07 -0.14 0.72	1.59

<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 11</b>	<b>Facility Water Distribution</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0372 LF 3/8" Hard Drawn Type L Copper Tube/Pipe.....	3.50	1.65
For Medical/Oxygen Service Tubing, Add	0.08	
For <20, Add	0.10	
For >150, Deduct	-0.20	
For Work In Restricted Working Space, Add	0.75	
22 11 16 00-0373 LF 1/2" Hard Drawn Type L Copper Tube/Pipe.....	3.80	1.72
For Medical/Oxygen Service Tubing, Add	0.10	
For <20, Add	0.12	
For >150, Deduct	-0.24	
For Work In Restricted Working Space, Add	0.78	
22 11 16 00-0374 LF 3/4" Hard Drawn Type L Copper Tube/Pipe.....	4.71	1.83
For Medical/Oxygen Service Tubing, Add	0.16	
For <20, Add	0.20	
For >150, Deduct	-0.39	
For Work In Restricted Working Space, Add	0.83	
22 11 16 00-0375 LF 1" Hard Drawn Type L Copper Tube/Pipe.....	5.93	2.06
For Medical/Oxygen Service Tubing, Add	0.23	
For <20, Add	0.28	
For >150, Deduct	-0.57	
For Work In Restricted Working Space, Add	0.93	
22 11 16 00-0376 LF 1-1/4" Hard Drawn Type L Copper Tube/Pipe.....	8.51	3.06
For Medical/Oxygen Service Tubing, Add	0.31	
For <20, Add	0.39	
For >150, Deduct	-0.78	
For Work In Restricted Working Space, Add	1.38	
22 11 16 00-0377 LF 1-1/2" Hard Drawn Type L Copper Tube/Pipe.....	10.17	3.42
For Medical/Oxygen Service Tubing, Add	0.40	
For <20, Add	0.50	
For >150, Deduct	-1.01	
For Work In Restricted Working Space, Add	1.54	
22 11 16 00-0378 LF 2" Hard Drawn Type L Copper Tube/Pipe.....	14.29	4.22
For Medical/Oxygen Service Tubing, Add	0.64	
For <20, Add	0.80	
For >150, Deduct	-1.59	
For Work In Restricted Working Space, Add	1.90	
22 11 16 00-0379 LF 2-1/2" Hard Drawn Type L Copper Tube/Pipe.....	26.41	4.96
For Medical/Oxygen Service Tubing, Add	0.92	
For <20, Add	1.15	
For >150, Deduct	-2.30	
For Work In Restricted Working Space, Add	4.47	
22 11 16 00-0380 LF 3" Hard Drawn Type L Copper Tube/Pipe.....	32.88	5.85
For Medical/Oxygen Service Tubing, Add	1.23	
For <20, Add	1.54	
For >150, Deduct	-3.07	
For Work In Restricted Working Space, Add	5.26	
22 11 16 00-0381 LF 4" Hard Drawn Type L Copper Tube/Pipe.....	47.12	6.59
For Medical/Oxygen Service Tubing, Add	2.19	
For <20, Add	2.74	
For >150, Deduct	-5.47	
For Work In Restricted Working Space, Add	5.93	
22 11 16 00-0382 LF 5" Hard Drawn Type L Copper Tube/Pipe.....	71.03	7.57
For Medical/Oxygen Service Tubing, Add	3.86	
For <20, Add	4.83	
For >150, Deduct	-9.66	
For Work In Restricted Working Space, Add	6.82	
22 11 16 00-0383 LF 6" Hard Drawn Type L Copper Tube/Pipe.....	98.76	11.74
For Medical/Oxygen Service Tubing, Add	5.08	
For <20, Add	6.36	
For >150, Deduct	-12.71	
For Work In Restricted Working Space, Add	10.56	
22 11 16 00-0384 LF 8" Hard Drawn Type L Copper Tube/Pipe.....	158.92	13.05
For Medical/Oxygen Service Tubing, Add	9.58	
For <20, Add	11.98	
For >150, Deduct	-23.96	
For Work In Restricted Working Space, Add	11.74	
<b>22 11 16 00-0385 Hard Drawn Type K Copper Tube/Pipe</b> (22 11 16 00-0369)		
22 11 16 00-0386 LF 1/4" Hard Drawn Type K Copper Tube/Pipe.....	3.35	1.71
For Medical/Oxygen Service Tubing, Add	0.06	
For <20, Add	0.08	
For >150, Deduct	-0.16	
For Work In Restricted Working Space, Add	0.77	
22 11 16 00-0387 LF 3/8" Hard Drawn Type K Copper Tube/Pipe.....	4.33	1.78
For Medical/Oxygen Service Tubing, Add	0.11	
For <20, Add	0.14	
For >150, Deduct	-0.28	
For Work In Restricted Working Space, Add	0.88	
22 11 16 00-0388 LF 1/2" Hard Drawn Type K Copper Tube/Pipe.....	4.50	1.85
For Medical/Oxygen Service Tubing, Add	0.13	
For <20, Add	0.16	
For >150, Deduct	-0.33	
For Work In Restricted Working Space, Add	0.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0389 LF 3/4" Hard Drawn Type K Copper Tube/Pipe.....	6.28	1.97
For Medical/Oxygen Service Tubing, Add	0.24	
For <20, Add	0.30	
For >150, Deduct	-0.59	
For Work In Restricted Working Space, Add	1.00	
22 11 16 00-0390 LF 1" Hard Drawn Type K Copper Tube/Pipe.....	7.46	2.22
For Medical/Oxygen Service Tubing, Add	0.31	
For <20, Add	0.39	
For >150, Deduct	-0.79	
For Work In Restricted Working Space, Add	1.06	
22 11 16 00-0391 LF 1-1/4" Hard Drawn Type K Copper Tube/Pipe.....	9.90	3.30
For Medical/Oxygen Service Tubing, Add	0.39	
For <20, Add	0.49	
For >150, Deduct	-0.98	
For Work In Restricted Working Space, Add	1.50	
22 11 16 00-0392 LF 1-1/2" Hard Drawn Type K Copper Tube/Pipe.....	11.89	3.68
For Medical/Oxygen Service Tubing, Add	0.50	
For <20, Add	0.63	
For >150, Deduct	-1.25	
For Work In Restricted Working Space, Add	1.69	
22 11 16 00-0393 LF 2" Hard Drawn Type K Copper Tube/Pipe.....	16.52	4.54
For Medical/Oxygen Service Tubing, Add	0.77	
For <20, Add	0.96	
For >150, Deduct	-1.93	
For Work In Restricted Working Space, Add	2.06	
22 11 16 00-0394 LF 2-1/2" Hard Drawn Type K Copper Tube/Pipe.....	29.33	5.33
For Medical/Oxygen Service Tubing, Add	1.15	
For <20, Add	1.44	
For >150, Deduct	-2.87	
For Work In Restricted Working Space, Add	4.49	
22 11 16 00-0395 LF 3" Hard Drawn Type K Copper Tube/Pipe.....	38.93	6.28
For Medical/Oxygen Service Tubing, Add	1.57	
For <20, Add	1.96	
For >150, Deduct	-3.93	
For Work In Restricted Working Space, Add	5.79	
22 11 16 00-0396 LF 4" Hard Drawn Type K Copper Tube/Pipe.....	56.86	7.09
For Medical/Oxygen Service Tubing, Add	2.80	
For <20, Add	3.50	
For >150, Deduct	-7.00	
For Work In Restricted Working Space, Add	6.56	
22 11 16 00-0397 LF 5" Hard Drawn Type K Copper Tube/Pipe.....	89.95	8.14
For Medical/Oxygen Service Tubing, Add	5.13	
For <20, Add	6.42	
For >150, Deduct	-12.83	
For Work In Restricted Working Space, Add	7.74	
22 11 16 00-0398 LF 6" Hard Drawn Type K Copper Tube/Pipe.....	133.63	12.62
For Medical/Oxygen Service Tubing, Add	7.36	
For <20, Add	9.21	
For >150, Deduct	-18.41	
For Work In Restricted Working Space, Add	12.47	
22 11 16 00-0399 LF 8" Hard Drawn Type K Copper Tube/Pipe.....	218.19	14.03
For Medical/Oxygen Service Tubing, Add	13.79	
For <20, Add	17.24	
For >150, Deduct	-34.47	
For Work In Restricted Working Space, Add	13.75	
<b>22 11 16 00-0400 Hard Drawn Type M Copper Tube/Pipe (22 11 16 00-0369)</b>		
22 11 16 00-0401 LF 3/8" Hard Drawn Type M Copper Tube/Pipe.....	2.95	1.49
For <20, Add	0.08	
For >150, Deduct	-0.16	
For Work In Restricted Working Space, Add	0.65	
22 11 16 00-0402 LF 1/2" Hard Drawn Type M Copper Tube/Pipe.....	3.12	1.56
For <20, Add	0.09	
For >150, Deduct	-0.18	
For Work In Restricted Working Space, Add	0.67	
22 11 16 00-0403 LF 3/4" Hard Drawn Type M Copper Tube/Pipe.....	3.81	1.65
For <20, Add	0.14	
For >150, Deduct	-0.29	
For Work In Restricted Working Space, Add	0.71	
22 11 16 00-0404 LF 1" Hard Drawn Type M Copper Tube/Pipe.....	4.86	1.85
For <20, Add	0.22	
For >150, Deduct	-0.44	
For Work In Restricted Working Space, Add	0.79	
22 11 16 00-0405 LF 1-1/4" Hard Drawn Type M Copper Tube/Pipe.....	7.30	2.76
For <20, Add	0.32	
For >150, Deduct	-0.65	
For Work In Restricted Working Space, Add	1.22	
22 11 16 00-0406 LF 1-1/2" Hard Drawn Type M Copper Tube/Pipe.....	9.13	3.08
For <20, Add	0.45	
For >150, Deduct	-0.89	
For Work In Restricted Working Space, Add	1.40	
22 11 16 00-0407 LF 2" Hard Drawn Type M Copper Tube/Pipe.....	12.80	3.80
For <20, Add	0.70	
For >150, Deduct	-1.40	
For Work In Restricted Working Space, Add	1.74	

<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 11</b>	<b>Facility Water Distribution</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0408	LF		2-1/2" Hard Drawn Type M Copper Tube/Pipe .....	24.25	4.47
			For <20, Add	1.02	
			For >150, Deduct	-2.03	
			For Work In Restricted Working Space, Add	4.22	
22 11 16 00-0409	LF		3" Hard Drawn Type M Copper Tube/Pipe.....	29.33	5.26
			For <20, Add	1.35	
			For >150, Deduct	-2.70	
			For Work In Restricted Working Space, Add	4.74	
22 11 16 00-0410	LF		4" Hard Drawn Type M Copper Tube/Pipe.....	43.77	5.94
			For <20, Add	2.53	
			For >150, Deduct	-5.06	
			For Work In Restricted Working Space, Add	5.54	
22 11 16 00-0411	LF		5" Hard Drawn Type M Copper Tube/Pipe.....	70.47	6.82
			For <20, Add	4.92	
			For >150, Deduct	-9.83	
			For Work In Restricted Working Space, Add	6.39	
22 11 16 00-0412	LF		6" Hard Drawn Type M Copper Tube/Pipe.....	98.66	10.57
			For <20, Add	6.57	
			For >150, Deduct	-13.13	
			For Work In Restricted Working Space, Add	9.90	
22 11 16 00-0413	LF		8" Hard Drawn Type M Copper Tube/Pipe.....	160.75	11.75
			For <20, Add	12.45	
			For >150, Deduct	-24.89	
			For Work In Restricted Working Space, Add	10.89	
<b>22 11 16 00-0414</b>			<b>Soft Drawn Type L Copper Tube (22 11 16 00-0369)</b>		
22 11 16 00-0415	LF		1/4" Soft Drawn Type L Copper Tube .....	3.28	1.59
			For <20, Add	0.09	
			For >150, Deduct	-0.18	
			For Work In Restricted Working Space, Add	0.72	
22 11 16 00-0416	LF		3/8" Soft Drawn Type L Copper Tube .....	3.88	1.65
			For <20, Add	0.14	
			For >150, Deduct	-0.28	
			For Work In Restricted Working Space, Add	0.75	
22 11 16 00-0417	LF		1/2" Soft Drawn Type L Copper Tube .....	4.45	1.72
			For <20, Add	0.19	
			For >150, Deduct	-0.37	
			For Work In Restricted Working Space, Add	0.78	
22 11 16 00-0418	LF		5/8" Soft Drawn Type L Copper Tube .....	5.06	1.78
			For <20, Add	0.24	
			For >150, Deduct	-0.48	
			For Work In Restricted Working Space, Add	0.80	
22 11 16 00-0419	LF		3/4" Soft Drawn Type L Copper Tube .....	5.60	1.83
			For <20, Add	0.29	
			For >150, Deduct	-0.57	
			For Work In Restricted Working Space, Add	0.83	
22 11 16 00-0420	LF		1" Soft Drawn Type L Copper Tube .....	7.04	2.06
			For <20, Add	0.40	
			For >150, Deduct	-0.79	
			For Work In Restricted Working Space, Add	0.93	
22 11 16 00-0421	LF		1-1/4" Soft Drawn Type L Copper Tube .....	9.80	3.06
			For <20, Add	0.52	
			For >150, Deduct	-1.04	
			For Work In Restricted Working Space, Add	1.38	
22 11 16 00-0422	LF		1-1/2" Soft Drawn Type L Copper Tube .....	12.17	3.42
			For <20, Add	0.70	
			For >150, Deduct	-1.41	
			For Work In Restricted Working Space, Add	1.54	
22 11 16 00-0423	LF		2" Soft Drawn Type L Copper Tube .....	17.52	4.22
			For <20, Add	1.12	
			For >150, Deduct	-2.24	
			For Work In Restricted Working Space, Add	1.90	
<b>22 11 16 00-0424</b>			<b>Soft Drawn Type K Copper Tube (22 11 16 00-0369)</b>		
22 11 16 00-0425	LF		1/4" Soft Drawn Type K Copper Tube.....	3.37	1.59
			For <20, Add	0.10	
			For >150, Deduct	-0.20	
			For Work In Restricted Working Space, Add	0.72	
22 11 16 00-0426	LF		3/8" Soft Drawn Type K Copper Tube.....	4.17	1.65
			For <20, Add	0.17	
			For >150, Deduct	-0.34	
			For Work In Restricted Working Space, Add	0.75	
22 11 16 00-0427	LF		1/2" Soft Drawn Type K Copper Tube.....	4.69	1.72
			For <20, Add	0.21	
			For >150, Deduct	-0.42	
			For Work In Restricted Working Space, Add	0.78	
22 11 16 00-0428	LF		5/8" Soft Drawn Type K Copper Tube.....	5.18	1.78
			For <20, Add	0.25	
			For >150, Deduct	-0.50	
			For Work In Restricted Working Space, Add	0.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0429 LF 3/4" Soft Drawn Type K Copper Tube.....	6.64	1.83
<i>For &lt;20, Add</i>	0.39	
<i>For &gt;150, Deduct</i>	-0.78	
<i>For Work In Restricted Working Space, Add</i>	0.83	
22 11 16 00-0430 LF 1" Soft Drawn Type K Copper Tube.....	8.25	2.06
<i>For &lt;20, Add</i>	0.52	
<i>For &gt;150, Deduct</i>	-1.03	
<i>For Work In Restricted Working Space, Add</i>	0.93	
22 11 16 00-0431 LF 1-1/4" Soft Drawn Type K Copper Tube .....	10.68	3.06
<i>For &lt;20, Add</i>	0.61	
<i>For &gt;150, Deduct</i>	-1.22	
<i>For Work In Restricted Working Space, Add</i>	1.38	
22 11 16 00-0432 LF 1-1/2" Soft Drawn Type K Copper Tube .....	13.59	3.42
<i>For &lt;20, Add</i>	0.85	
<i>For &gt;150, Deduct</i>	-1.69	
<i>For Work In Restricted Working Space, Add</i>	1.54	
22 11 16 00-0433 LF 2" Soft Drawn Type K Copper Tube.....	19.46	4.22
<i>For &lt;20, Add</i>	1.31	
<i>For &gt;150, Deduct</i>	-2.63	
<i>For Work In Restricted Working Space, Add</i>	1.90	
22 11 16 00-0434 LF 2-1/2" Soft Drawn Type K Copper Tube .....	27.30	5.06
<i>For &lt;20, Add</i>	1.97	
<i>For &gt;150, Deduct</i>	-3.94	
<i>For Work In Restricted Working Space, Add</i>	2.28	
22 11 16 00-0435 LF 3" Soft Drawn Type K Copper Tube.....	36.37	5.98
<i>For &lt;20, Add</i>	2.74	
<i>For &gt;150, Deduct</i>	-5.48	
<i>For Work In Restricted Working Space, Add</i>	2.69	
<b>22 11 16 00-0436 Copper And Brass Fittings</b> <small>(22 11 16 00-0368)</small>		
<i>Note: All fittings are based on 95/5 solder.</i>		
<b>22 11 16 00-0437 90 Degree Copper Elbows</b> <small>(22 11 16 00-0436)</small>		
22 11 16 00-0438 EA 1/4" 90 Degree Copper Elbow .....	16.97	9.44
<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.26	
<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.56	
<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.12	
<i>For Street Fitting, Add</i>	1.12	
<i>For Work In Restricted Working Space, Add</i>	4.25	
22 11 16 00-0439 EA 3/8" 90 Degree Copper Elbow .....	19.96	11.33
<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.70	
<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.85	
<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.55	
<i>For Street Fitting, Add</i>	1.19	
<i>For Work In Restricted Working Space, Add</i>	5.10	
22 11 16 00-0440 EA 1/2" 90 Degree Copper Elbow .....	24.33	15.58
<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.55	
<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.39	
<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.51	
<i>For Street Fitting, Add</i>	0.38	
<i>For Work In Restricted Working Space, Add</i>	7.01	
22 11 16 00-0441 EA 3/4" 90 Degree Copper Elbow .....	31.20	19.40
<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.46	
<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.01	
<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.35	
<i>For Street Fitting, Add</i>	0.87	
<i>For Work In Restricted Working Space, Add</i>	8.71	
22 11 16 00-0442 EA 1" 90 Degree Copper Elbow .....	40.00	23.16
<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.47	
<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.74	
<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.21	
<i>For Street Fitting, Add</i>	2.12	
<i>For Work In Restricted Working Space, Add</i>	10.41	
22 11 16 00-0443 EA 1-1/4" 90 Degree Copper Elbow .....	45.46	25.06
<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.03	
<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.15	
<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.63	
<i>For Street Fitting, Add</i>	3.17	
<i>For Work In Restricted Working Space, Add</i>	11.26	
22 11 16 00-0444 EA 1-1/2" 90 Degree Copper Elbow .....	53.47	27.40
<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.78	
<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.73	
<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.16	
<i>For Street Fitting, Add</i>	4.96	
<i>For Work In Restricted Working Space, Add</i>	12.32	
22 11 16 00-0445 EA 2" 90 Degree Copper Elbow .....	68.63	30.73
<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.03	
<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.73	
<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.90	
<i>For Street Fitting, Add</i>	9.04	
<i>For Work In Restricted Working Space, Add</i>	13.81	
22 11 16 00-0446 EA 2-1/2" 90 Degree Copper Elbow .....	91.26	31.29
<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.26	
<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.91	
<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.04	
<i>For Work In Restricted Working Space, Add</i>	14.08	



<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 11</b>	<b>Facility Water Distribution</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0447 EA 3" 90 Degree Copper Elbow .....	118.56	37.42
For Silver Solder Instead Of 95/5 Solder, Add	11.53	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.73	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.41	
For Work In Restricted Working Space, Add	16.82	
22 11 16 00-0448 EA 4" 90 Degree Copper Elbow .....	231.19	53.06
For Silver Solder Instead Of 95/5 Solder, Add	19.51	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-15.54	
For Brazed Fittings Instead Of 95/5 Solder, Add	11.93	
For Work In Restricted Working Space, Add	23.86	
22 11 16 00-0449 EA 5" 90 Degree Copper Elbow .....	744.19	72.62
For Silver Solder Instead Of 95/5 Solder, Add	48.10	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-42.65	
For Brazed Fittings Instead Of 95/5 Solder, Add	16.33	
For Work In Restricted Working Space, Add	32.66	
22 11 16 00-0450 EA 6" 90 Degree Copper Elbow .....	1,005.34	105.67
For Silver Solder Instead Of 95/5 Solder, Add	66.11	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-58.19	
For Brazed Fittings Instead Of 95/5 Solder, Add	23.76	
For Work In Restricted Working Space, Add	47.52	
22 11 16 00-0451 EA 8" 90 Degree Copper Elbow .....	3,344.47	140.87
For Silver Solder Instead Of 95/5 Solder, Add	188.34	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-177.78	
For Brazed Fittings Instead Of 95/5 Solder, Add	31.68	
For Work In Restricted Working Space, Add	63.36	
<b>22 11 16 00-0452 90 Degree Brass Elbows</b> (22 11 16 00-0436)		
22 11 16 00-0453 EA 1/2" Drop Ear 90 Degree Brass Elbow .....	29.42	15.58
For Silver Solder Instead Of 95/5 Solder, Add	3.81	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.64	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.51	
For Work In Restricted Working Space, Add	7.01	
22 11 16 00-0454 EA 3/4" Drop Ear 90 Degree Brass Elbow .....	46.68	19.40
For Silver Solder Instead Of 95/5 Solder, Add	5.24	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.79	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.35	
For Work In Restricted Working Space, Add	8.71	
22 11 16 00-0455 EA 1/2" Flanged Sink 90 Degree Brass Elbow .....	34.40	15.58
For Silver Solder Instead Of 95/5 Solder, Add	4.06	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.89	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.51	
For Work In Restricted Working Space, Add	7.01	
22 11 16 00-0456 EA 3/8" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	26.04	11.33
For Silver Solder Instead Of 95/5 Solder, Add	3.00	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.15	
For Brazed Fittings Instead Of 95/5 Solder, Add	2.55	
For Work In Restricted Working Space, Add	5.10	
22 11 16 00-0457 EA 1/2" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	29.85	15.58
For Silver Solder Instead Of 95/5 Solder, Add	3.83	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.66	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.51	
For Work In Restricted Working Space, Add	7.01	
22 11 16 00-0458 EA 3/4" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	40.44	19.40
For Silver Solder Instead Of 95/5 Solder, Add	4.93	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.47	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.35	
For Work In Restricted Working Space, Add	8.71	
22 11 16 00-0459 EA 1" Drop Ear 90 Degree Brass Elbow, Solder X Threaded.....	71.12	23.16
For Silver Solder Instead Of 95/5 Solder, Add	7.03	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.29	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.21	
For Work In Restricted Working Space, Add	10.41	
<b>22 11 16 00-0460 Reducing 90 Degree Copper Elbows</b> (22 11 16 00-0436)		
22 11 16 00-0461 EA 1/2" Reducing 90 Degree Copper Elbow .....	31.19	15.58
For Silver Solder Instead Of 95/5 Solder, Add	3.90	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.73	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.51	
For Work In Restricted Working Space, Add	7.01	
22 11 16 00-0462 EA 3/4" Reducing 90 Degree Copper Elbow .....	34.57	19.40
For Silver Solder Instead Of 95/5 Solder, Add	4.63	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.18	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.35	
For Work In Restricted Working Space, Add	8.71	
22 11 16 00-0463 EA 1" Reducing 90 Degree Copper Elbow .....	44.88	23.16
For Silver Solder Instead Of 95/5 Solder, Add	5.71	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.98	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.21	
For Work In Restricted Working Space, Add	10.41	
22 11 16 00-0464 EA 1-1/4" Reducing 90 Degree Copper Elbow .....	63.45	25.06
For Silver Solder Instead Of 95/5 Solder, Add	6.93	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.05	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.63	
For Work In Restricted Working Space, Add	11.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0465 EA 1-1/2" Reducing 90 Degree Copper Elbow .....	75.13	27.40
For Silver Solder Instead Of 95/5 Solder, Add	7.86	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.81	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.16	
For Work In Restricted Working Space, Add	12.32	
22 11 16 00-0466 EA 2" Reducing 90 Degree Copper Elbow .....	91.88	30.73
For Silver Solder Instead Of 95/5 Solder, Add	9.20	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.90	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.90	
For Work In Restricted Working Space, Add	13.81	
<b>22 11 16 00-0467 45 Degree Copper Elbows (22 11 16 00-0436)</b>		
22 11 16 00-0468 EA 1/4" 45 Degree Copper Elbow .....	19.41	9.44
For Silver Solder Instead Of 95/5 Solder, Add	2.39	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.68	
For Brazed Fittings Instead Of 95/5 Solder, Add	2.12	
For Street Fitting, Add	2.10	
For Work In Restricted Working Space, Add	4.25	
22 11 16 00-0469 EA 3/8" 45 Degree Copper Elbow .....	21.49	11.33
For Silver Solder Instead Of 95/5 Solder, Add	2.77	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.92	
For Brazed Fittings Instead Of 95/5 Solder, Add	2.55	
For Street Fitting, Add	1.80	
For Work In Restricted Working Space, Add	5.10	
22 11 16 00-0470 EA 1/2" 45 Degree Copper Elbow .....	25.14	15.58
For Silver Solder Instead Of 95/5 Solder, Add	3.59	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.43	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.51	
For Street Fitting, Add	0.71	
For Work In Restricted Working Space, Add	7.01	
22 11 16 00-0471 EA 3/4" 45 Degree Copper Elbow .....	32.06	19.40
For Silver Solder Instead Of 95/5 Solder, Add	4.51	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.05	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.35	
For Street Fitting, Add	1.21	
For Work In Restricted Working Space, Add	8.71	
22 11 16 00-0472 EA 1" 45 Degree Copper Elbow .....	42.25	23.16
For Silver Solder Instead Of 95/5 Solder, Add	5.58	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.85	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.21	
For Street Fitting, Add	3.02	
For Work In Restricted Working Space, Add	10.41	
22 11 16 00-0473 EA 1-1/4" 45 Degree Copper Elbow .....	47.76	25.06
For Silver Solder Instead Of 95/5 Solder, Add	6.14	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.26	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.63	
For Street Fitting, Add	4.09	
For Work In Restricted Working Space, Add	11.26	
22 11 16 00-0474 EA 1-1/2" 45 Degree Copper Elbow .....	53.63	27.40
For Silver Solder Instead Of 95/5 Solder, Add	6.79	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.74	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.16	
For Street Fitting, Add	5.02	
For Work In Restricted Working Space, Add	12.32	
22 11 16 00-0475 EA 2" 45 Degree Copper Elbow .....	66.97	30.73
For Silver Solder Instead Of 95/5 Solder, Add	7.95	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.65	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.90	
For Work In Restricted Working Space, Add	13.81	
22 11 16 00-0476 EA 2-1/2" 45 Degree Copper Elbow .....	90.73	31.29
For Silver Solder Instead Of 95/5 Solder, Add	9.23	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.88	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.04	
For Work In Restricted Working Space, Add	14.08	
22 11 16 00-0477 EA 3" 45 Degree Copper Elbow .....	121.03	37.42
For Silver Solder Instead Of 95/5 Solder, Add	11.66	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.85	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.41	
For Work In Restricted Working Space, Add	16.82	
22 11 16 00-0478 EA 4" 45 Degree Copper Elbow .....	218.06	53.06
For Silver Solder Instead Of 95/5 Solder, Add	18.86	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-14.88	
For Brazed Fittings Instead Of 95/5 Solder, Add	11.93	
For Work In Restricted Working Space, Add	23.86	
22 11 16 00-0479 EA 5" 45 Degree Copper Elbow .....	645.37	72.62
For Silver Solder Instead Of 95/5 Solder, Add	43.15	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-37.71	
For Brazed Fittings Instead Of 95/5 Solder, Add	16.33	
For Work In Restricted Working Space, Add	32.66	
22 11 16 00-0480 EA 6" 45 Degree Copper Elbow .....	1,003.90	105.67
For Silver Solder Instead Of 95/5 Solder, Add	66.04	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-58.12	
For Brazed Fittings Instead Of 95/5 Solder, Add	23.76	
For Work In Restricted Working Space, Add	47.52	

<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 11</b>	<b>Facility Water Distribution</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0481 EA 8" 45 Degree Copper Elbow .....	3,084.17	140.87
For Silver Solder Instead Of 95/5 Solder, Add	175.33	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-164.77	
For Brazed Fittings Instead Of 95/5 Solder, Add	31.68	
For Work In Restricted Working Space, Add	63.36	
<b>22 11 16 00-0482 Straight Copper And Brass Tees (22 11 16 00-0436)</b>		
22 11 16 00-0483 EA 1/4" Straight Copper Tee .....	27.13	14.16
For Silver Solder Instead Of 95/5 Solder, Add	3.48	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.42	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.19	
For Work In Restricted Working Space, Add	6.37	
22 11 16 00-0484 EA 3/8" Straight Copper Tee .....	30.23	16.99
For Silver Solder Instead Of 95/5 Solder, Add	4.06	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.79	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.82	
For Work In Restricted Working Space, Add	7.65	
22 11 16 00-0485 EA 1/2" Straight Copper Tee .....	37.06	23.65
For Silver Solder Instead Of 95/5 Solder, Add	5.39	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.62	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.31	
For Work In Restricted Working Space, Add	10.62	
22 11 16 00-0486 EA 3/4" Straight Copper Tee .....	47.86	29.32
For Silver Solder Instead Of 95/5 Solder, Add	6.78	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.59	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.59	
For Work In Restricted Working Space, Add	13.17	
22 11 16 00-0487 EA 1" Straight Copper Tee .....	64.32	34.98
For Silver Solder Instead Of 95/5 Solder, Add	8.46	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.84	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.86	
For Work In Restricted Working Space, Add	15.72	
22 11 16 00-0488 EA 1-1/4" Straight Copper Tee .....	73.25	37.81
For Silver Solder Instead Of 95/5 Solder, Add	9.33	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.50	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.50	
For Work In Restricted Working Space, Add	17.00	
22 11 16 00-0489 EA 1-1/2" Straight Copper Tee .....	86.73	41.07
For Silver Solder Instead Of 95/5 Solder, Add	10.50	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.42	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.24	
For Work In Restricted Working Space, Add	18.48	
22 11 16 00-0490 EA 2" Straight Copper Tee .....	109.33	46.31
For Silver Solder Instead Of 95/5 Solder, Add	12.41	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.94	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.41	
For Work In Restricted Working Space, Add	20.82	
22 11 16 00-0491 EA 2-1/2" Straight Copper Tee .....	149.40	46.94
For Silver Solder Instead Of 95/5 Solder, Add	14.51	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.99	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.56	
For Work In Restricted Working Space, Add	21.12	
22 11 16 00-0492 EA 3" Straight Copper Tee .....	205.44	56.52
For Silver Solder Instead Of 95/5 Solder, Add	18.75	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-14.51	
For Brazed Fittings Instead Of 95/5 Solder, Add	12.71	
For Work In Restricted Working Space, Add	25.42	
22 11 16 00-0493 EA 4" Straight Copper Tee .....	410.76	79.14
For Silver Solder Instead Of 95/5 Solder, Add	32.40	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-26.47	
For Brazed Fittings Instead Of 95/5 Solder, Add	17.80	
For Work In Restricted Working Space, Add	35.59	
22 11 16 00-0494 EA 5" Straight Copper Tee .....	1,117.24	108.28
For Silver Solder Instead Of 95/5 Solder, Add	72.09	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-63.98	
For Brazed Fittings Instead Of 95/5 Solder, Add	24.35	
For Work In Restricted Working Space, Add	48.70	
22 11 16 00-0495 EA 6" Straight Copper Tee .....	1,543.29	158.74
For Silver Solder Instead Of 95/5 Solder, Add	100.96	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-89.06	
For Brazed Fittings Instead Of 95/5 Solder, Add	35.69	
For Work In Restricted Working Space, Add	71.38	
22 11 16 00-0496 EA 8" Straight Copper Tee .....	5,352.21	211.34
For Silver Solder Instead Of 95/5 Solder, Add	299.29	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-283.45	
For Brazed Fittings Instead Of 95/5 Solder, Add	47.52	
For Work In Restricted Working Space, Add	95.05	
22 11 16 00-0497 EA 1/2" Cast Bronze Drop Ear Tee .....	45.60	23.65
For Silver Solder Instead Of 95/5 Solder, Add	5.82	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.05	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.31	
For Work In Restricted Working Space, Add	10.62	
<b>22 11 16 00-0498 Reducing Copper Tees (22 11 16 00-0436)</b>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0499	EA			3/8" Reducing Copper Tee ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.03 3.87 -2.73 3.40 6.80	15.09
22 11 16 00-0500	EA			1/2" Reducing Copper Tee ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	40.12 5.19 -3.60 4.78 9.56	21.24
22 11 16 00-0501	EA			3/4" Reducing Copper Tee ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	45.27 6.37 -4.32 6.16 12.32	27.40
22 11 16 00-0502	EA			1" Reducing Copper Tee ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	62.92 8.10 -5.62 7.43 14.87	33.07
22 11 16 00-0503	EA			1-1/4" Reducing Copper Tee ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	74.09 9.09 -6.40 8.07 16.15	35.90
22 11 16 00-0504	EA			1-1/2" Reducing Copper Tee ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	87.43 10.25 -7.31 8.82 17.63	39.22
22 11 16 00-0505	EA			2" Reducing Copper Tee ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	107.28 11.95 -8.66 9.88 19.76	43.90
22 11 16 00-0506	EA			2-1/2" Reducing Copper Tee ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	154.33 14.50 -11.11 10.17 20.34	45.25
22 11 16 00-0507	EA			3" Reducing Copper Tee ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	220.35 18.84 -14.93 11.73 23.47	52.15
22 11 16 00-0508	EA			4" Reducing Copper Tee ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	395.67 29.43 -24.61 14.47 28.94	64.34
22 11 16 00-0509				<b>Copper Couplings</b> (22 11 16 00-0436)		
22 11 16 00-0510	EA			1/4" Copper Coupling ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.72 2.15 -1.44 2.12 4.25	9.44
22 11 16 00-0511	EA			3/8" Copper Coupling ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.74 2.59 -1.74 2.55 5.10	11.33
22 11 16 00-0512	EA			1/2" Copper Coupling ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.99 3.54 -2.37 3.51 7.01	15.58
22 11 16 00-0513	EA			3/4" Copper Coupling ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.29 4.42 -2.97 4.35 8.71	19.40
22 11 16 00-0514	EA			1" Copper Coupling ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	37.19 5.33 -3.59 5.21 10.41	23.16
22 11 16 00-0515	EA			1-1/4" Copper Coupling ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	41.92 5.85 -3.97 5.63 11.26	25.06

<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 11</b>	<b>Facility Water Distribution</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0516	EA		1-1/2" Copper Coupling.....	46.88	27.40
			For Silver Solder Instead Of 95/5 Solder, Add	6.45	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.40	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.16	
			For Work In Restricted Working Space, Add	12.32	
22 11 16 00-0517	EA		2" Copper Coupling.....	55.70	30.45
			For Silver Solder Instead Of 95/5 Solder, Add	7.39	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.09	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.90	
			For Work In Restricted Working Space, Add	13.81	
22 11 16 00-0518	EA		2-1/2" Copper Coupling.....	64.20	29.60
			For Silver Solder Instead Of 95/5 Solder, Add	7.64	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.43	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.65	
			For Work In Restricted Working Space, Add	13.30	
22 11 16 00-0519	EA		3" Copper Coupling.....	80.50	35.86
			For Silver Solder Instead Of 95/5 Solder, Add	9.37	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.70	
			For Brazed Fittings Instead Of 95/5 Solder, Add	8.02	
			For Work In Restricted Working Space, Add	16.04	
22 11 16 00-0520	EA		4" Copper Coupling.....	131.29	48.24
			For Silver Solder Instead Of 95/5 Solder, Add	13.73	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.15	
			For Brazed Fittings Instead Of 95/5 Solder, Add	10.76	
			For Work In Restricted Working Space, Add	21.51	
22 11 16 00-0521	EA		5" Copper Coupling.....	221.96	88.00
			For Silver Solder Instead Of 95/5 Solder, Add	20.88	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-15.99	
			For Brazed Fittings Instead Of 95/5 Solder, Add	14.67	
			For Work In Restricted Working Space, Add	29.33	
22 11 16 00-0522	EA		6" Copper Coupling.....	348.63	95.63
			For Silver Solder Instead Of 95/5 Solder, Add	31.77	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-24.60	
			For Brazed Fittings Instead Of 95/5 Solder, Add	21.51	
			For Work In Restricted Working Space, Add	43.02	
22 11 16 00-0523	EA		8" Copper Coupling.....	855.57	126.79
			For Silver Solder Instead Of 95/5 Solder, Add	61.81	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-52.30	
			For Brazed Fittings Instead Of 95/5 Solder, Add	28.55	
			For Work In Restricted Working Space, Add	57.11	
22 11 16 00-0524			<b>Reducing Copper Couplings (22 11 16 00-0436)</b>		
22 11 16 00-0525	EA		3/8" Reducing Copper Coupling.....	15.39	9.41
			For Silver Solder Instead Of 95/5 Solder, Add	2.19	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.48	
			For Brazed Fittings Instead Of 95/5 Solder, Add	2.12	
			For Work In Restricted Working Space, Add	4.25	
22 11 16 00-0526	EA		1/2" Reducing Copper Coupling.....	21.47	13.45
			For Silver Solder Instead Of 95/5 Solder, Add	3.09	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.08	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.03	
			For Work In Restricted Working Space, Add	6.05	
22 11 16 00-0527	EA		3/4" Reducing Copper Coupling.....	28.42	17.49
			For Silver Solder Instead Of 95/5 Solder, Add	4.04	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.73	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.93	
			For Work In Restricted Working Space, Add	7.86	
22 11 16 00-0528	EA		1" Reducing Copper Coupling.....	35.89	21.24
			For Silver Solder Instead Of 95/5 Solder, Add	4.98	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.39	
			For Brazed Fittings Instead Of 95/5 Solder, Add	4.78	
			For Work In Restricted Working Space, Add	9.56	
22 11 16 00-0529	EA		1-1/4" Reducing Copper Coupling.....	41.71	24.08
			For Silver Solder Instead Of 95/5 Solder, Add	5.70	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.89	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.42	
			For Work In Restricted Working Space, Add	10.83	
22 11 16 00-0530	EA		1-1/2" Reducing Copper Coupling.....	48.56	26.20
			For Silver Solder Instead Of 95/5 Solder, Add	6.36	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.39	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.89	
			For Work In Restricted Working Space, Add	11.79	
22 11 16 00-0531	EA		2" Reducing Copper Coupling.....	57.88	29.03
			For Silver Solder Instead Of 95/5 Solder, Add	7.25	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.07	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.53	
			For Work In Restricted Working Space, Add	13.07	
22 11 16 00-0532	EA		2-1/2" Reducing Copper Coupling.....	74.13	29.79
			For Silver Solder Instead Of 95/5 Solder, Add	8.17	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.94	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.70	
			For Work In Restricted Working Space, Add	13.40	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0533	EA		3" Reducing Copper Coupling .....	87.95	34.55
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.55	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.97	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.73	
			<i>For Work In Restricted Working Space, Add</i>	15.45	
22 11 16 00-0534	EA		4" Reducing Copper Coupling .....	140.15	45.25
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	13.79	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-10.40	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.17	
			<i>For Work In Restricted Working Space, Add</i>	20.34	
22 11 16 00-0535	EA		5" Reducing Copper Coupling .....	377.48	63.03
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	28.33	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-23.60	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	14.18	
			<i>For Work In Restricted Working Space, Add</i>	28.36	
22 11 16 00-0536	EA		6" Reducing Copper Coupling .....	565.28	84.74
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	40.98	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-34.62	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	19.07	
			<i>For Work In Restricted Working Space, Add</i>	38.13	
22 11 16 00-0537	EA		8" Reducing Copper Coupling .....	1,114.02	123.48
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	74.21	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-64.96	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	27.77	
			<i>For Work In Restricted Working Space, Add</i>	55.54	
22 11 16 00-0538	<b>Male Copper Adapters</b> (22 11 16 00-0436)				
22 11 16 00-0539	EA		1/4" Male Copper Adapter .....	24.10	9.20
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.62	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.91	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.12	
			<i>For Work In Restricted Working Space, Add</i>	4.25	
22 11 16 00-0540	EA		3/8" Male Copper Adapter .....	21.94	11.33
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.80	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.95	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.55	
			<i>For Work In Restricted Working Space, Add</i>	5.10	
22 11 16 00-0541	EA		1/2" Male Copper Adapter .....	23.25	14.16
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.29	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.22	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.19	
			<i>For Work In Restricted Working Space, Add</i>	6.37	
22 11 16 00-0542	EA		3/4" Male Copper Adapter .....	29.60	17.71
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.10	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.79	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.93	
			<i>For Work In Restricted Working Space, Add</i>	7.86	
22 11 16 00-0543	EA		1" Male Copper Adapter .....	39.10	20.54
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.00	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.48	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.57	
			<i>For Work In Restricted Working Space, Add</i>	9.14	
22 11 16 00-0544	EA		1-1/4" Male Copper Adapter .....	47.99	23.37
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.94	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.17	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.31	
			<i>For Work In Restricted Working Space, Add</i>	10.62	
22 11 16 00-0545	EA		1-1/2" Male Copper Adapter .....	55.09	26.91
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.79	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.77	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.05	
			<i>For Work In Restricted Working Space, Add</i>	12.11	
22 11 16 00-0546	EA		2" Male Copper Adapter .....	76.62	34.35
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.00	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.42	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.75	
			<i>For Work In Restricted Working Space, Add</i>	15.51	
22 11 16 00-0547	EA		2-1/2" Male Copper Adapter .....	145.86	44.61
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	13.95	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-10.62	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.98	
			<i>For Work In Restricted Working Space, Add</i>	19.97	
22 11 16 00-0548	EA		3" Male Copper Adapter .....	193.63	59.48
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	18.55	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-14.11	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	13.30	
			<i>For Work In Restricted Working Space, Add</i>	26.60	
22 11 16 00-0549	EA		4" Male Copper Adapter .....	293.04	83.44
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	27.17	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-20.91	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	18.77	
			<i>For Work In Restricted Working Space, Add</i>	37.55	

22 11 16 00-0550 Female Copper Adapters (22 11 16 00-0436)

<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 11</b>	<b>Facility Water Distribution</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0551	EA	1/4"	Female Copper Adapter .....	20.51	9.20
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.44	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.73	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.12	
			<i>For Work In Restricted Working Space, Add</i>	4.25	
22 11 16 00-0552	EA	3/8"	Female Copper Adapter .....	23.63	11.33
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.88	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.03	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.55	
			<i>For Work In Restricted Working Space, Add</i>	5.10	
22 11 16 00-0553	EA	1/2"	Female Copper Adapter .....	24.45	14.16
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.35	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.28	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.19	
			<i>For Work In Restricted Working Space, Add</i>	6.37	
22 11 16 00-0554	EA	3/4"	Female Copper Adapter .....	30.59	17.71
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.15	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.84	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.93	
			<i>For Work In Restricted Working Space, Add</i>	7.86	
22 11 16 00-0555	EA	1"	Female Copper Adapter .....	40.49	20.54
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.07	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.55	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.57	
			<i>For Work In Restricted Working Space, Add</i>	9.14	
22 11 16 00-0556	EA	1-1/4"	Female Copper Adapter .....	50.13	23.37
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.05	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.28	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.31	
			<i>For Work In Restricted Working Space, Add</i>	10.62	
22 11 16 00-0557	EA	1-1/2"	Female Copper Adapter .....	63.42	26.91
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.21	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.19	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.05	
			<i>For Work In Restricted Working Space, Add</i>	12.11	
22 11 16 00-0558	EA	2"	Female Copper Adapter .....	82.97	34.35
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.32	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.73	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.75	
			<i>For Work In Restricted Working Space, Add</i>	15.51	
22 11 16 00-0559	EA	2-1/2"	Female Copper Adapter .....	173.17	41.07
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	14.79	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-11.72	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.19	
			<i>For Work In Restricted Working Space, Add</i>	18.38	
22 11 16 00-0560	EA	3"	Female Copper Adapter .....	277.13	59.48
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	22.72	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-18.29	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	13.30	
			<i>For Work In Restricted Working Space, Add</i>	26.60	
22 11 16 00-0561	EA	1/4"	Wrot Copper, Solder Union (22 11 16 00-0436) .....	31.03	11.33
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.25	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.40	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.55	
			<i>For Work In Restricted Working Space, Add</i>	5.10	
22 11 16 00-0563	EA	3/8"	Wrot Copper, Solder Union .....	35.01	13.67
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.80	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.78	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.08	
			<i>For Work In Restricted Working Space, Add</i>	6.16	
22 11 16 00-0564	EA	1/2"	Wrot Copper, Solder Union .....	34.43	16.99
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.27	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.00	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.82	
			<i>For Work In Restricted Working Space, Add</i>	7.65	
22 11 16 00-0565	EA	3/4"	Wrot Copper, Solder Union .....	40.03	19.40
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.90	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.45	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.35	
			<i>For Work In Restricted Working Space, Add</i>	8.71	
22 11 16 00-0566	EA	1"	Wrot Copper, Solder Union .....	53.60	23.16
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.15	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.42	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.21	
			<i>For Work In Restricted Working Space, Add</i>	10.41	
22 11 16 00-0567	EA	1-1/4"	Wrot Copper, Solder Union .....	65.61	25.49
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.10	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.19	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.74	
			<i>For Work In Restricted Working Space, Add</i>	11.47	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 16 00-0568	EA		1-1/2" Wrot Copper, Solder Union ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	81.07 8.30 -6.18 6.37 12.75	28.32
	22 11 16 00-0569	EA		2" Wrot Copper, Solder Union ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	116.75 10.94 -8.39 7.65 15.29	33.98
	22 11 16 00-0570	EA		2-1/2" Wrot Copper, Solder Union ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	235.43 17.38 -14.57 8.41 16.82	37.42
	22 11 16 00-0571	EA		3" Wrot Copper, Solder Union ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	543.69 35.14 -31.16 11.93 23.86	53.06
<b>22 11 16 00-0572</b>	<b>Cast Bronze, Solder Union</b> (22 11 16 00-0436)					
	22 11 16 00-0573	EA		1/4" Cast Bronze, Solder Union ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	36.21 3.51 -2.66 2.55 5.10	11.33
	22 11 16 00-0574	EA		3/8" Cast Bronze, Solder Union ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.89 4.05 -3.02 3.08 6.16	13.67
	22 11 16 00-0575	EA		1/2" Cast Bronze, Solder Union ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.79 4.34 -3.06 3.82 7.65	16.99
	22 11 16 00-0576	EA		3/4" Cast Bronze, Solder Union ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	41.95 5.00 -3.55 4.35 8.71	19.40
	22 11 16 00-0577	EA		1" Cast Bronze, Solder Union ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	56.94 6.32 -4.58 5.21 10.41	23.16
	22 11 16 00-0578	EA		1-1/4" Cast Bronze, Solder Union ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	74.73 7.56 -5.65 5.74 11.47	25.49
	22 11 16 00-0579	EA		1-1/2" Cast Bronze, Solder Union ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	90.59 8.78 -6.65 6.37 12.75	28.32
	22 11 16 00-0580	EA		2" Cast Bronze, Solder Union ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	132.96 11.75 -9.20 7.65 15.29	33.98
	22 11 16 00-0581	EA		2-1/2" Cast Bronze, Solder Union ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	235.42 17.38 -14.57 8.41 16.82	37.42
	22 11 16 00-0582	EA		3" Cast Bronze, Solder Union ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	543.69 35.14 -31.16 11.93 23.86	53.06
<b>22 11 16 00-0583</b>	<b>Cast Bronze, Solder X Female Threaded Union</b> (22 11 16 00-0436)					
	22 11 16 00-0584	EA		1/4" Cast Bronze, Solder X Female Threaded Union ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.20 3.86 -3.01 2.55 5.10	11.33
	22 11 16 00-0585	EA		3/8" Cast Bronze, Solder X Female Threaded Union ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	47.66 4.44 -3.41 3.08 6.16	13.67



<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 11</b>	<b>Facility Water Distribution</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0586	EA		1/2" Cast Bronze, Solder X Female Threaded Union.....	47.03	16.99
			For Silver Solder Instead Of 95/5 Solder, Add	4.90	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.63	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.82	
			For Work In Restricted Working Space, Add	7.65	
22 11 16 00-0587	EA		3/4" Cast Bronze, Solder X Female Threaded Union.....	58.39	19.40
			For Silver Solder Instead Of 95/5 Solder, Add	5.82	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.37	
			For Brazed Fittings Instead Of 95/5 Solder, Add	4.35	
			For Work In Restricted Working Space, Add	8.71	
22 11 16 00-0588	EA		1" Cast Bronze, Solder X Female Threaded Union.....	95.78	23.16
			For Silver Solder Instead Of 95/5 Solder, Add	8.26	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.52	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.21	
			For Work In Restricted Working Space, Add	10.41	
22 11 16 00-0589	EA		1-1/4" Cast Bronze, Solder X Female Threaded Union.....	152.06	25.49
			For Silver Solder Instead Of 95/5 Solder, Add	11.43	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.52	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.74	
			For Work In Restricted Working Space, Add	11.47	
22 11 16 00-0590	EA		1-1/2" Cast Bronze, Solder X Female Threaded Union.....	186.69	28.32
			For Silver Solder Instead Of 95/5 Solder, Add	13.58	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.46	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.37	
			For Work In Restricted Working Space, Add	12.75	
22 11 16 00-0591	EA		2" Cast Bronze, Solder X Female Threaded Union.....	295.07	33.98
			For Silver Solder Instead Of 95/5 Solder, Add	19.85	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-17.30	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.65	
			For Work In Restricted Working Space, Add	15.29	
22 11 16 00-0592	EA		2-1/2" Cast Bronze, Solder X Female Threaded Union.....	518.77	37.42
			For Silver Solder Instead Of 95/5 Solder, Add	31.54	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-28.74	
			For Brazed Fittings Instead Of 95/5 Solder, Add	8.41	
			For Work In Restricted Working Space, Add	16.82	
<b>22 11 16 00-0593</b>			<b>Cast Bronze, Solder X Male Threaded Union (22 11 16 00-0436)</b>		
22 11 16 00-0594	EA		1/4" Cast Bronze, Solder X Male Threaded Union.....	36.96	11.33
			For Silver Solder Instead Of 95/5 Solder, Add	3.55	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.70	
			For Brazed Fittings Instead Of 95/5 Solder, Add	2.55	
			For Work In Restricted Working Space, Add	5.10	
22 11 16 00-0595	EA		3/8" Cast Bronze, Solder X Male Threaded Union.....	43.84	13.67
			For Silver Solder Instead Of 95/5 Solder, Add	4.25	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.22	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.08	
			For Work In Restricted Working Space, Add	6.16	
22 11 16 00-0596	EA		1/2" Cast Bronze, Solder X Male Threaded Union.....	42.49	16.99
			For Silver Solder Instead Of 95/5 Solder, Add	4.67	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.40	
			For Brazed Fittings Instead Of 95/5 Solder, Add	3.82	
			For Work In Restricted Working Space, Add	7.65	
22 11 16 00-0597	EA		3/4" Cast Bronze, Solder X Male Threaded Union.....	54.55	19.40
			For Silver Solder Instead Of 95/5 Solder, Add	5.63	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.18	
			For Brazed Fittings Instead Of 95/5 Solder, Add	4.35	
			For Work In Restricted Working Space, Add	8.71	
22 11 16 00-0598	EA		1" Cast Bronze, Solder X Male Threaded Union.....	97.54	23.16
			For Silver Solder Instead Of 95/5 Solder, Add	8.35	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.61	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.21	
			For Work In Restricted Working Space, Add	10.41	
22 11 16 00-0599	EA		1-1/4" Cast Bronze, Solder X Male Threaded Union.....	116.19	25.49
			For Silver Solder Instead Of 95/5 Solder, Add	9.63	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.72	
			For Brazed Fittings Instead Of 95/5 Solder, Add	5.74	
			For Work In Restricted Working Space, Add	11.47	
22 11 16 00-0600	EA		1-1/2" Cast Bronze, Solder X Male Threaded Union.....	124.36	28.32
			For Silver Solder Instead Of 95/5 Solder, Add	10.47	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.34	
			For Brazed Fittings Instead Of 95/5 Solder, Add	6.37	
			For Work In Restricted Working Space, Add	12.75	
22 11 16 00-0601	EA		2" Cast Bronze, Solder X Male Threaded Union.....	176.74	33.98
			For Silver Solder Instead Of 95/5 Solder, Add	13.94	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.39	
			For Brazed Fittings Instead Of 95/5 Solder, Add	7.65	
			For Work In Restricted Working Space, Add	15.29	
22 11 16 00-0602	EA		2-1/2" Cast Bronze, Solder X Male Threaded Union.....	424.60	37.42
			For Silver Solder Instead Of 95/5 Solder, Add	26.84	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-24.03	
			For Brazed Fittings Instead Of 95/5 Solder, Add	8.41	
			For Work In Restricted Working Space, Add	16.82	
<b>22 11 16 00-0603</b>			<b>Copper Caps (22 11 16 00-0436)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0604 EA 1/4" Copper Cap .....	3.51	1.79
For Silver Solder Instead Of 95/5 Solder, Add	0.44	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.31	
For Brazed Fittings Instead Of 95/5 Solder, Add	0.40	
For Work In Restricted Working Space, Add	0.80	
22 11 16 00-0605 EA 3/8" Copper Cap .....	4.20	1.88
For Silver Solder Instead Of 95/5 Solder, Add	0.49	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.35	
For Brazed Fittings Instead Of 95/5 Solder, Add	0.42	
For Work In Restricted Working Space, Add	0.85	
22 11 16 00-0606 EA 1/2" Copper Cap .....	3.71	2.04
For Silver Solder Instead Of 95/5 Solder, Add	0.49	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.34	
For Brazed Fittings Instead Of 95/5 Solder, Add	0.45	
For Work In Restricted Working Space, Add	0.90	
22 11 16 00-0607 EA 3/4" Copper Cap .....	5.08	2.55
For Silver Solder Instead Of 95/5 Solder, Add	0.63	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.44	
For Brazed Fittings Instead Of 95/5 Solder, Add	0.57	
For Work In Restricted Working Space, Add	1.13	
22 11 16 00-0608 EA 1" Copper Cap .....	7.86	3.22
For Silver Solder Instead Of 95/5 Solder, Add	0.87	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.63	
For Brazed Fittings Instead Of 95/5 Solder, Add	0.72	
For Work In Restricted Working Space, Add	1.43	
22 11 16 00-0609 EA 1-1/4" Copper Cap .....	10.67	4.42
For Silver Solder Instead Of 95/5 Solder, Add	1.19	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-0.86	
For Brazed Fittings Instead Of 95/5 Solder, Add	0.98	
For Work In Restricted Working Space, Add	1.97	
22 11 16 00-0610 EA 1-1/2" Copper Cap .....	13.70	5.20
For Silver Solder Instead Of 95/5 Solder, Add	1.46	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.07	
For Brazed Fittings Instead Of 95/5 Solder, Add	1.16	
For Work In Restricted Working Space, Add	2.31	
22 11 16 00-0611 EA 2" Copper Cap .....	28.23	11.58
For Silver Solder Instead Of 95/5 Solder, Add	3.13	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.27	
For Brazed Fittings Instead Of 95/5 Solder, Add	2.57	
For Work In Restricted Working Space, Add	5.14	
22 11 16 00-0612 EA 2-1/2" Copper Cap .....	59.29	17.60
For Silver Solder Instead Of 95/5 Solder, Add	5.57	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.27	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.91	
For Work In Restricted Working Space, Add	7.82	
22 11 16 00-0613 EA 3" Copper Cap .....	81.78	23.10
For Silver Solder Instead Of 95/5 Solder, Add	7.51	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.80	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.13	
For Work In Restricted Working Space, Add	10.27	
22 11 16 00-0614 EA 4" Copper Cap .....	130.51	27.50
For Silver Solder Instead Of 95/5 Solder, Add	10.60	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.56	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.11	
For Work In Restricted Working Space, Add	12.22	
22 11 16 00-0615 EA 5" Cast Bronze Cap .....	687.57	37.74
For Silver Solder Instead Of 95/5 Solder, Add	40.04	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-37.21	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.49	
For Work In Restricted Working Space, Add	16.97	
22 11 16 00-0616 EA 6" Cast Bronze Cap .....	1,329.58	48.90
For Silver Solder Instead Of 95/5 Solder, Add	73.72	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-70.10	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.86	
For Work In Restricted Working Space, Add	21.73	
22 11 16 00-0617 EA 8" Cast Bronze Cap .....	1,699.83	70.40
For Silver Solder Instead Of 95/5 Solder, Add	95.42	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-90.21	
For Brazed Fittings Instead Of 95/5 Solder, Add	15.65	
For Work In Restricted Working Space, Add	31.29	
<b>22 11 16 00-0618 Copper Crosses (22 11 16 00-0436)</b>		
22 11 16 00-0619 EA 1/2" Copper Cross .....	54.08	28.68
For Silver Solder Instead Of 95/5 Solder, Add	7.01	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.86	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.45	
For Work In Restricted Working Space, Add	12.91	
22 11 16 00-0620 EA 3/4" Copper Cross .....	74.92	35.66
For Silver Solder Instead Of 95/5 Solder, Add	9.09	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.42	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.02	
For Work In Restricted Working Space, Add	16.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0621 EA 1" Copper Cross .....	100.35	42.56
For Silver Solder Instead Of 95/5 Solder, Add	11.41	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.21	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.58	
For Work In Restricted Working Space, Add	19.16	
22 11 16 00-0622 EA 1-1/4" Copper Cross .....	121.52	46.09
For Silver Solder Instead Of 95/5 Solder, Add	12.99	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.53	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.37	
For Work In Restricted Working Space, Add	20.73	
22 11 16 00-0623 EA 1-1/2" Copper Cross .....	150.34	50.39
For Silver Solder Instead Of 95/5 Solder, Add	15.08	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.30	
For Brazed Fittings Instead Of 95/5 Solder, Add	11.34	
For Work In Restricted Working Space, Add	22.69	
22 11 16 00-0624 EA 2" Copper Cross .....	225.90	56.52
For Silver Solder Instead Of 95/5 Solder, Add	19.77	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-15.53	
For Brazed Fittings Instead Of 95/5 Solder, Add	12.71	
For Work In Restricted Working Space, Add	25.42	
22 11 16 00-0625 EA 2-1/2" Copper Cross .....	419.25	62.58
For Silver Solder Instead Of 95/5 Solder, Add	30.35	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-25.66	
For Brazed Fittings Instead Of 95/5 Solder, Add	14.08	
For Work In Restricted Working Space, Add	28.16	
<b>22 11 16 00-0626 Cast Bronze Crosses</b> (22 11 16 00-0436)		
22 11 16 00-0627 EA 3/8" Cast Bronze Cross.....	46.02	20.86
For Silver Solder Instead Of 95/5 Solder, Add	5.43	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.87	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.69	
For Work In Restricted Working Space, Add	9.39	
22 11 16 00-0628 EA 1/2" Cast Bronze Cross.....	56.29	28.68
For Silver Solder Instead Of 95/5 Solder, Add	7.12	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.97	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.45	
For Work In Restricted Working Space, Add	12.91	
22 11 16 00-0629 EA 3/4" Cast Bronze Cross.....	79.21	35.66
For Silver Solder Instead Of 95/5 Solder, Add	9.31	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.63	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.02	
For Work In Restricted Working Space, Add	16.04	
22 11 16 00-0630 EA 1" Cast Bronze Cross.....	107.64	42.56
For Silver Solder Instead Of 95/5 Solder, Add	11.77	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.58	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.58	
For Work In Restricted Working Space, Add	19.16	
22 11 16 00-0631 EA 1-1/4" Cast Bronze Cross .....	132.01	46.09
For Silver Solder Instead Of 95/5 Solder, Add	13.51	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.06	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.37	
For Work In Restricted Working Space, Add	20.73	
22 11 16 00-0632 EA 1-1/2" Cast Bronze Cross .....	165.28	50.39
For Silver Solder Instead Of 95/5 Solder, Add	15.83	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.05	
For Brazed Fittings Instead Of 95/5 Solder, Add	11.34	
For Work In Restricted Working Space, Add	22.69	
22 11 16 00-0633 EA 2" Cast Bronze Cross.....	254.12	56.52
For Silver Solder Instead Of 95/5 Solder, Add	21.18	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-16.94	
For Brazed Fittings Instead Of 95/5 Solder, Add	12.71	
For Work In Restricted Working Space, Add	25.42	
22 11 16 00-0634 EA 2-1/2" Cast Bronze Cross .....	484.32	62.58
For Silver Solder Instead Of 95/5 Solder, Add	33.60	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-28.91	
For Brazed Fittings Instead Of 95/5 Solder, Add	14.08	
For Work In Restricted Working Space, Add	28.16	
<b>22 11 16 00-0635 Flexible Corrugated Copper Supply Line</b> (22 11 16 00-0436)		
22 11 16 00-0636 EA 3/4" Threaded x 3/4" Solder x 18" Long, Flexible Corrugated Copper Supply Line .....	62.32	19.40
22 11 16 00-0637 EA 3/4" Threaded x 3/4" Solder x 24" Long, Flexible Corrugated Copper Supply Line .....	66.32	19.40
22 11 16 00-0638 EA 3/4" Threaded x 3/4" Threaded x 12" Long, Flexible Corrugated Copper Supply Line .....	55.11	19.40
22 11 16 00-0639 EA 3/4" Threaded x 3/4" Threaded x 15" Long, Flexible Corrugated Copper Supply Line .....	59.65	19.40
22 11 16 00-0640 EA 3/4" Threaded x 3/4" Threaded x 18" Long, Flexible Corrugated Copper Supply Line .....	63.65	19.40
22 11 16 00-0641 EA 3/4" Threaded x 3/4" Threaded x 24" Long, Flexible Corrugated Copper Supply Line .....	66.32	19.40
<b>22 11 16 00-0642 Crimped Copper Fittings</b> (22 11 16 00-0368)		
Note: Viega ProPress type. Includes factory installed ethylene propylene diene monomer (EPDM) sealing elements.		
<b>22 11 16 00-0643 Crimped Copper 90 Degree Elbows</b> (22 11 16 00-0642)		
22 11 16 00-0644 EA 1/2" Crimped Copper 90 Degree Elbow .....	15.11	8.50



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0645	EA		3/4" Crimped Copper 90 Degree Elbow.....	18.51	9.71
22 11 16 00-0646	EA		1" Crimped Copper 90 Degree Elbow.....	25.35	11.54
22 11 16 00-0647	EA		1-1/4" Crimped Copper 90 Degree Elbow.....	35.30	12.75
22 11 16 00-0648	EA		1-1/2" Crimped Copper 90 Degree Elbow.....	51.87	14.16
22 11 16 00-0649	EA		2" Crimped Copper 90 Degree Elbow.....	68.06	16.99
22 11 16 00-0650	EA		2-1/2" Crimped Copper 90 Degree Elbow.....	153.39	19.82
22 11 16 00-0651	EA		3" Crimped Copper 90 Degree Elbow.....	190.97	23.58
22 11 16 00-0652	EA		4" Crimped Copper 90 Degree Elbow.....	239.20	31.15
<b>22 11 16 00-0653</b>			<b>Crimped Copper 45 Degree Elbows (22 11 16 00-0642)</b>		
22 11 16 00-0654	EA		1/2" Crimped Copper 45 Degree Elbow.....	15.50	8.50
22 11 16 00-0655	EA		3/4" Crimped Copper 45 Degree Elbow.....	17.88	9.71
22 11 16 00-0656	EA		1" Crimped Copper 45 Degree Elbow.....	28.17	11.54
22 11 16 00-0657	EA		1-1/4" Crimped Copper 45 Degree Elbow.....	34.67	12.75
22 11 16 00-0658	EA		1-1/2" Crimped Copper 45 Degree Elbow.....	46.45	14.16
22 11 16 00-0659	EA		2" Crimped Copper 45 Degree Elbow.....	60.76	16.99
22 11 16 00-0660	EA		2-1/2" Crimped Copper 45 Degree Elbow.....	111.42	19.82
22 11 16 00-0661	EA		3" Crimped Copper 45 Degree Elbow.....	152.10	23.58
22 11 16 00-0662	EA		4" Crimped Copper 45 Degree Elbow.....	208.80	31.15
<b>22 11 16 00-0663</b>			<b>Crimped Copper Straight Tees (22 11 16 00-0642)</b>		
22 11 16 00-0664	EA		1/2" Crimped Copper Straight Tee.....	22.73	12.75
22 11 16 00-0665	EA		3/4" Crimped Copper Straight Tee.....	31.49	16.78
22 11 16 00-0666	EA		1" Crimped Copper Straight Tee.....	39.44	18.62
22 11 16 00-0667	EA		1-1/4" Crimped Copper Straight Tee.....	48.08	19.12
22 11 16 00-0668	EA		1-1/2" Crimped Copper Straight Tee.....	70.27	21.74
22 11 16 00-0669	EA		2" Crimped Copper Straight Tee.....	84.81	25.49
22 11 16 00-0670	EA		2-1/2" Crimped Copper Straight Tee.....	197.38	29.74
22 11 16 00-0671	EA		3" Crimped Copper Straight Tee.....	244.07	35.40
22 11 16 00-0672	EA		4" Crimped Copper Straight Tee.....	338.05	46.73
<b>22 11 16 00-0673</b>			<b>Crimped Copper Reducing Tees (22 11 16 00-0642)</b>		
22 11 16 00-0674	EA		3/4" Crimped Copper Reducing Tee.....	28.02	12.10
22 11 16 00-0675	EA		1" Crimped Copper Reducing Tee.....	41.30	15.93
22 11 16 00-0676	EA		1-1/4" Crimped Copper Reducing Tee.....	44.31	17.71
22 11 16 00-0677	EA		1-1/2" Crimped Copper Reducing Tee.....	60.72	18.20
22 11 16 00-0678	EA		2" Crimped Copper Reducing Tee.....	73.27	20.61
22 11 16 00-0679	EA		2-1/2" Crimped Copper Reducing Tee.....	214.86	23.37
22 11 16 00-0680	EA		3" Crimped Copper Reducing Tee.....	262.18	28.32
22 11 16 00-0681	EA		4" Crimped Copper Reducing Tee.....	306.60	37.74
<b>22 11 16 00-0682</b>			<b>Crimped Copper Couplings (22 11 16 00-0642)</b>		
22 11 16 00-0683	EA		1/2" Crimped Copper Coupling.....	14.87	8.50
22 11 16 00-0684	EA		3/4" Crimped Copper Coupling.....	17.73	9.71
22 11 16 00-0685	EA		1" Crimped Copper Coupling.....	23.85	11.54
22 11 16 00-0686	EA		1-1/4" Crimped Copper Coupling.....	27.21	12.75
22 11 16 00-0687	EA		1-1/2" Crimped Copper Coupling.....	36.32	14.16
22 11 16 00-0688	EA		2" Crimped Copper Coupling.....	44.73	16.99
22 11 16 00-0689	EA		2-1/2" Crimped Copper Coupling.....	91.32	19.82
22 11 16 00-0690	EA		3" Crimped Copper Coupling.....	113.83	23.58
22 11 16 00-0691	EA		4" Crimped Copper Coupling.....	155.63	31.15
<b>22 11 16 00-0692</b>			<b>Crimped Copper Reducing Couplings (22 11 16 00-0642)</b>		
22 11 16 00-0693	EA		3/4" Crimped Copper Reducing Coupling.....	21.76	8.07
22 11 16 00-0694	EA		1" Crimped Copper Reducing Coupling.....	24.89	9.20
22 11 16 00-0695	EA		1-1/4" Crimped Copper Reducing Coupling.....	32.60	10.97
22 11 16 00-0696	EA		1-1/2" Crimped Copper Reducing Coupling.....	41.92	12.10
22 11 16 00-0697	EA		2" Crimped Copper Reducing Coupling.....	46.88	13.45
22 11 16 00-0698	EA		2-1/2" Crimped Copper FTG x C Reducing Coupling.....	96.83	16.07
22 11 16 00-0699	EA		3" Crimped Copper FTG x C Reducing Coupling.....	121.11	18.91
22 11 16 00-0700	EA		4" Crimped Copper FTG x C Reducing Coupling.....	157.25	24.99
<b>22 11 16 00-0701</b>			<b>Crimped Copper Male Adapters (22 11 16 00-0642)</b>		
22 11 16 00-0702	EA		1/2" Crimped Copper Male Adapter.....	15.35	8.50
22 11 16 00-0703	EA		3/4" Crimped Copper Male Adapter.....	19.22	9.71
22 11 16 00-0704	EA		1" Crimped Copper Male Adapter.....	25.98	11.54
22 11 16 00-0705	EA		1-1/4" Crimped Copper Male Adapter.....	38.05	12.75
22 11 16 00-0706	EA		1-1/2" Crimped Copper Male Adapter.....	47.79	14.16
22 11 16 00-0707	EA		2" Crimped Copper Male Adapter.....	76.61	16.99
22 11 16 00-0708	EA		2-1/2" Crimped Copper Male Adapter.....	153.39	19.82
22 11 16 00-0709	EA		3" Crimped Copper Male Adapter.....	190.97	23.58
22 11 16 00-0710	EA		4" Crimped Copper Male Adapter.....	226.80	31.15



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0711			<b>Crimped Copper Female Adapters</b> (22 11 16 00-0642)		
22 11 16 00-0712	EA		1/2" Crimped Copper Female Adapter.....	15.89	8.50
22 11 16 00-0713	EA		3/4" Crimped Copper Female Adapter.....	19.62	9.71
22 11 16 00-0714	EA		1" Crimped Copper Female Adapter.....	26.77	11.54
22 11 16 00-0715	EA		1-1/4" Crimped Copper Female Adapter.....	40.40	12.75
22 11 16 00-0716	EA		1-1/2" Crimped Copper Female Adapter.....	52.19	14.16
22 11 16 00-0717	EA		2" Crimped Copper Female Adapter.....	78.03	16.99
22 11 16 00-0718			<b>Crimped Copper Caps</b> (22 11 16 00-0642)		
22 11 16 00-0719	EA		1/2" Crimped Copper Cap.....	10.92	4.25
22 11 16 00-0720	EA		3/4" Crimped Copper Cap.....	15.13	4.96
22 11 16 00-0721	EA		1" Crimped Copper Cap.....	20.36	5.66
22 11 16 00-0722	EA		1-1/4" Crimped Copper Cap.....	22.99	6.37
22 11 16 00-0723	EA		1-1/2" Crimped Copper Cap.....	31.78	7.30
22 11 16 00-0724	EA		2" Crimped Copper Cap.....	38.04	8.50
22 11 16 00-0725	EA		2-1/2" Crimped Copper Cap.....	95.72	9.92
22 11 16 00-0726	EA		3" Crimped Copper Cap.....	120.03	11.82
22 11 16 00-0727	EA		4" Crimped Copper Cap.....	159.72	15.58
22 11 16 00-0728			<b>C x F NPT Crimped Bronze Unions</b> (22 11 16 00-0642)		
22 11 16 00-0729	EA		1/2" C x F NPT Crimped Bronze Union.....	30.70	11.54
22 11 16 00-0730	EA		3/4" C x F NPT Crimped Bronze Union.....	38.44	14.23
22 11 16 00-0731	EA		1" C x F NPT Crimped Bronze Union.....	53.99	17.06
22 11 16 00-0732	EA		1-1/4" C x F NPT Crimped Bronze Union.....	65.57	19.68
22 11 16 00-0733	EA		1-1/2" C x F NPT Crimped Bronze Union.....	85.44	19.26
22 11 16 00-0734	EA		2" C x F NPT Crimped Bronze Union.....	116.69	27.90
22 11 16 00-0735			<b>C x C Crimped Bronze Unions</b> (22 11 16 00-0642)		
22 11 16 00-0736	EA		1/2" C x C Bronze Crimped Union.....	29.40	8.50
22 11 16 00-0737	EA		3/4" C x C Bronze Crimped Union.....	36.34	9.71
22 11 16 00-0738	EA		1" C x C Bronze Crimped Union.....	52.21	11.54
22 11 16 00-0739	EA		1-1/4" C x C Bronze Crimped Union.....	68.91	12.75
22 11 16 00-0740	EA		1-1/2" C x C Bronze Crimped Union.....	88.86	14.16
22 11 16 00-0741	EA		2" C x C Bronze Crimped Union.....	135.92	16.99
22 11 16 00-0742			<b>C x Flange Crimped Bronze Flange</b> (22 11 16 00-0642)		
22 11 16 00-0743	EA		2-1/2" C x Flange Crimped Bronze Flange.....	266.18	19.82
22 11 16 00-0744	EA		3" C x Flange Crimped Bronze Flange.....	289.88	23.58
22 11 16 00-0745	EA		4" C x Flange Crimped Bronze Flange.....	331.62	31.15
22 11 16 00-0746			<b>Field Installed FKM Seals</b> (22 11 16 00-0642)		
22 11 16 00-0747	EA		1/2" Field Installed FKM Seal.....	4.51	
			Note: To be used in conjunction with fittings.		
22 11 16 00-0748	EA		3/4" Field Installed FKM Seal.....	5.76	
			Note: To be used in conjunction with fittings.		
22 11 16 00-0749	EA		1" Field Installed FKM Seal.....	6.61	
			Note: To be used in conjunction with fittings.		
22 11 16 00-0750	EA		1-1/4" Field Installed FKM Seal.....	7.61	
			Note: To be used in conjunction with fittings.		
22 11 16 00-0751	EA		1-1/2" Field Installed FKM Seal.....	10.83	
			Note: To be used in conjunction with fittings.		
22 11 16 00-0752	EA		2" Field Installed FKM Seal.....	12.02	
			Note: To be used in conjunction with fittings.		
22 11 16 00-0753	EA		2-1/2" Field Installed FKM Seal.....	18.20	
			Note: To be used in conjunction with fittings.		
22 11 16 00-0754	EA		3" Field Installed FKM Seal.....	20.86	
			Note: To be used in conjunction with fittings.		
22 11 16 00-0755	EA		4" Field Installed FKM Seal.....	28.48	
			Note: To be used in conjunction with fittings.		
22 11 16 00-0756			<b>Cut And Prepare Existing In-Place Copper Pipe</b> (22 11 16 00-0368)		
22 11 16 00-0757	EA		Up To 1/2", Cut And Prepare Existing In Place Copper Pipe.....	7.08	
22 11 16 00-0758	EA		3/4", Cut And Prepare Existing In Place Copper Pipe.....	7.65	
22 11 16 00-0759	EA		1", Cut And Prepare Existing In Place Copper Pipe.....	8.61	
22 11 16 00-0760	EA		1-1/4", Cut And Prepare Existing In Place Copper Pipe.....	9.03	
22 11 16 00-0761	EA		1-1/2", Cut And Prepare Existing In Place Copper Pipe.....	9.55	
22 11 16 00-0762	EA		2", Cut And Prepare Existing In Place Copper Pipe.....	10.52	
22 11 16 00-0763	EA		2-1/2", Cut And Prepare Existing In Place Copper Pipe.....	11.33	
22 11 16 00-0764	EA		3", Cut And Prepare Existing In Place Copper Pipe.....	13.38	
22 11 16 00-0765	EA		4", Cut And Prepare Existing In Place Copper Pipe.....	18.06	
22 11 16 00-0766	EA		6", Cut And Prepare Existing In Place Copper Pipe.....	25.81	
22 11 16 00-0767	EA		8", Cut And Prepare Existing In Place Copper Pipe.....	34.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 11 16 00-0768</b>	<b>Sweat Brass Companion Flanges (22 11 16 00-0368)</b>	
22 11 16 00-0769 EA 1" Sweat Brass Companion Flange .....	46.78	10.89
22 11 16 00-0770 EA 1-1/4" Sweat Brass Companion Flange .....	51.03	12.00
22 11 16 00-0771 EA 1-1/2" Sweat Brass Companion Flange .....	74.73	13.04
22 11 16 00-0772 EA 2" Sweat Brass Companion Flange .....	101.31	14.47
22 11 16 00-0773 EA 2-1/2" Sweat Brass Companion Flange .....	128.49	17.40
22 11 16 00-0774 EA 3" Sweat Brass Companion Flange .....	140.20	22.82
22 11 16 00-0775 EA 4" Sweat Brass Companion Flange .....	188.63	27.19
22 11 16 00-0776 EA 5" Sweat Brass Companion Flange .....	349.15	30.34
22 11 16 00-0777 EA 6" Sweat Brass Companion Flange .....	395.07	44.08
22 11 16 00-0778 EA 8" Copper Companion Flange .....	944.32	62.88
<b>22 11 16 00-0779</b>	<b>Brass Compression Fittings (22 11 16 00-0368)</b>	
<b>22 11 16 00-0780</b>	<b>Brass Compression Unions (22 11 16 00-0779)</b>	
22 11 16 00-0781 EA 1/4" Brass Compression Union .....	12.35	7.65
22 11 16 00-0782 EA 3/8" Brass Compression Union .....	12.58	7.65
22 11 16 00-0783 EA 1/2" Brass Compression Union .....	13.30	7.65
22 11 16 00-0784 EA 5/8" Brass Compression Union .....	13.64	7.65
22 11 16 00-0785 EA 3/4" Brass Compression Union .....	18.64	7.65
22 11 16 00-0786 EA 3/8" x 1/4" Brass Compression Union .....	12.74	7.65
22 11 16 00-0787 EA 1/2" x 3/8" Brass Compression Union .....	13.36	7.65
22 11 16 00-0788 EA 5/8" x 3/8" Brass Compression Union .....	13.78	7.65
22 11 16 00-0789 EA 5/8" x 1/2" Brass Compression Union .....	14.46	7.65
<b>22 11 16 00-0790</b>	<b>Brass Compression Union Elbows (22 11 16 00-0779)</b>	
22 11 16 00-0791 EA 1/4" Brass Compression Union Elbow .....	13.30	7.65
22 11 16 00-0792 EA 3/8" Brass Compression Union Elbow .....	13.69	7.65
22 11 16 00-0793 EA 1/2" Brass Compression Union Elbow .....	14.54	7.65
22 11 16 00-0794 EA 5/8" Brass Compression Union Elbow .....	15.86	7.65
22 11 16 00-0795 EA 3/4" Brass Compression Union Elbow .....	21.01	7.65
22 11 16 00-0796 EA 3/8" x 1/4" Brass Compression Union Elbow .....	13.69	7.65
22 11 16 00-0797 EA 1/2" x 3/8" Brass Compression Union Elbow .....	14.54	7.65
22 11 16 00-0798 EA 5/8" x 3/8" Brass Compression Union Elbow .....	14.78	7.65
22 11 16 00-0799 EA 5/8" x 1/2" Brass Compression Union Elbow .....	18.65	7.65
<b>22 11 16 00-0800</b>	<b>Brass Compression Union Tees (22 11 16 00-0779)</b>	
22 11 16 00-0801 EA 1/4" Brass Compression Union Tee .....	13.59	7.65
22 11 16 00-0802 EA 3/8" Brass Compression Union Tee .....	14.40	7.65
22 11 16 00-0803 EA 1/2" Brass Compression Union Tee .....	15.25	7.65
22 11 16 00-0804 EA 5/8" Brass Compression Union Tee .....	17.94	7.65
22 11 16 00-0805 EA 3/4" Brass Compression Union Tee .....	27.25	7.65
22 11 16 00-0806 EA 3/8" x 3/8" x 1/4" Brass Compression Union Tee .....	14.96	7.65
22 11 16 00-0807 EA 1/2" x 1/2" x 3/8" Brass Compression Union Tee .....	19.34	7.65
22 11 16 00-0808 EA 5/8" x 5/8" x 3/8" Brass Compression Union Tee .....	18.92	7.65
22 11 16 00-0809 EA 5/8" x 5/8" x 1/2" Brass Compression Union Tee .....	19.41	7.65
<b>22 11 16 00-0810</b>	<b>Brass Compression Male Connectors (22 11 16 00-0779)</b>	
22 11 16 00-0811 EA 1/4" Brass Compression Male Connector .....	12.18	7.65
22 11 16 00-0812 EA 3/8" Brass Compression Male Connector .....	12.49	7.65
22 11 16 00-0813 EA 1/2" Brass Compression Male Connector .....	13.03	7.65
22 11 16 00-0814 EA 5/8" Brass Compression Male Connector .....	13.83	7.65
22 11 16 00-0815 EA 3/4" Brass Compression Male Connector .....	16.48	7.58
<b>22 11 16 00-0816</b>	<b>Brass Compression Female Connectors (22 11 16 00-0779)</b>	
22 11 16 00-0817 EA 1/4" Brass Compression Female Connector .....	12.52	7.65
22 11 16 00-0818 EA 3/8" Brass Compression Female Connector .....	12.92	7.65
22 11 16 00-0819 EA 1/2" Brass Compression Female Connector .....	13.61	7.65
22 11 16 00-0820 EA 5/8" Brass Compression Female Connector .....	14.12	7.65
22 11 16 00-0821 EA 3/4" Brass Compression Female Connector .....	21.52	7.51
<b>22 11 16 00-0822</b>	<b>Dielectric Fittings (22 11 16 00-0368)</b>	
<b>22 11 16 00-0823</b>	<b>Copper x Female Iron Pipe Thread Dielectric Unions (22 11 16 00-0822)</b>	
22 11 16 00-0824 EA 1/2" Copper x Female Iron Pipe Thread Dielectric Union .....	31.83	16.99
22 11 16 00-0825 EA 3/4" Copper x Female Iron Pipe Thread Dielectric Union .....	35.37	19.40
22 11 16 00-0826 EA 1" Copper x Female Iron Pipe Thread Dielectric Union .....	42.98	21.32
22 11 16 00-0827 EA 1-1/4" Copper x Female Iron Pipe Thread Dielectric Union .....	53.28	23.46
22 11 16 00-0828 EA 1-1/2" Copper x Female Iron Pipe Thread Dielectric Union .....	65.62	26.08
22 11 16 00-0829 EA 2" Copper x Female Iron Pipe Thread Dielectric Union .....	84.30	31.29



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0830			<b>Female Brass Thread x Iron Pipe Thread Dielectric Unions</b> (22 11 16 00-0822)		
22 11 16 00-0831	EA		1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	35.84	16.99
22 11 16 00-0832	EA		3/4" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	41.97	19.40
22 11 16 00-0833	EA		1" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	51.67	21.32
22 11 16 00-0834	EA		1-1/4" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	64.83	23.46
22 11 16 00-0835	EA		1-1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	79.90	26.08
22 11 16 00-0836	EA		2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	101.05	31.29
22 11 16 00-0837			<b>Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions</b> (22 11 16 00-0822)		
22 11 16 00-0838	EA		1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	33.30	16.99
22 11 16 00-0839	EA		3/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	37.78	19.40
22 11 16 00-0840	EA		1" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	43.61	21.32
22 11 16 00-0841	EA		1-1/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	51.05	23.46
22 11 16 00-0842	EA		1-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	63.41	26.08
22 11 16 00-0843	EA		2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	82.53	31.29
22 11 16 00-0844			<b>Copper x Female Iron Pipe Thread Dielectric Flanges</b> (22 11 16 00-0822)		
22 11 16 00-0845	EA		2-1/2" Copper x Female Iron Pipe Thread Dielectric Flange.....	203.02	80.45
22 11 16 00-0846	EA		3" Copper x Female Iron Pipe Thread Dielectric Flange.....	253.86	101.30
22 11 16 00-0847	EA		4" Copper x Female Iron Pipe Thread Dielectric Flange.....	360.50	137.87
22 11 16 00-0848			<b>Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges</b> (22 11 16 00-0822)		
22 11 16 00-0849	EA		1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	204.68	80.45
22 11 16 00-0850	EA		3" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	266.99	101.30
22 11 16 00-0851	EA		4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	512.02	137.87
22 11 16 00-0852			<b>Copper Pipe Assemblies</b> (22 11 16)		
			Note: Includes hangers and all coupling, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.		
22 11 16 00-0853	LF		1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly.....	14.28	1.99
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For Type K Tubing Instead Of Type L, Add	1.00	
			For Type M Tubing Instead Of Type L, Deduct	-0.83	
			For Silver Solder Instead Of 95/5 Solder, Add	1.82	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.27	
			For Work In Restricted Working Space, Add	3.32	
22 11 16 00-0854	LF		3/4" Inside Diameter Copper Pipe/Tubing Type L Assembly.....	16.29	2.55
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For Type K Tubing Instead Of Type L, Add	1.15	
			For Type M Tubing Instead Of Type L, Deduct	-0.95	
			For Silver Solder Instead Of 95/5 Solder, Add	2.07	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.44	
			For Work In Restricted Working Space, Add	3.77	
22 11 16 00-0855	LF		1" Inside Diameter Copper Pipe/Tubing Type L Assembly.....	17.84	3.04
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For Type K Tubing Instead Of Type L, Add	1.34	
			For Type M Tubing Instead Of Type L, Deduct	-1.09	
			For Silver Solder Instead Of 95/5 Solder, Add	2.21	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.55	
			For Work In Restricted Working Space, Add	3.95	
22 11 16 00-0856	LF		1-1/4" Inside Diameter Copper Pipe/Tubing Type L Assembly.....	20.14	3.54
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For Type K Tubing Instead Of Type L, Add	1.68	
			For Type M Tubing Instead Of Type L, Deduct	-1.32	
			For Silver Solder Instead Of 95/5 Solder, Add	2.37	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.69	
			For Work In Restricted Working Space, Add	4.10	
			For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-0.65	
22 11 16 00-0857	LF		1-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly.....	22.31	4.03
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For Type K Tubing Instead Of Type L, Add	1.93	
			For Type M Tubing Instead Of Type L, Deduct	-1.51	
			For Silver Solder Instead Of 95/5 Solder, Add	2.57	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.84	
			For Work In Restricted Working Space, Add	4.37	
			For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-0.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0858 LF 2" Inside Diameter Copper Pipe/Tubing Type L Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 2.61 <i>For Type M Tubing Instead Of Type L, Deduct</i> -2.01 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 3.07 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -2.23 <i>For Work In Restricted Working Space, Add</i> 5.03 <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> -1.11	27.91	5.03
22 11 16 00-0859 LF 2-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 3.61 <i>For Type M Tubing Instead Of Type L, Deduct</i> -2.71 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 3.53 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -2.63 <i>For Work In Restricted Working Space, Add</i> 5.40 <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> -1.66	34.57	6.06
22 11 16 00-0860 LF 3" Inside Diameter Copper Pipe/Tubing Type L Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 4.76 <i>For Type M Tubing Instead Of Type L, Deduct</i> -3.52 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 4.06 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -3.09 <i>For Work In Restricted Working Space, Add</i> 5.84 <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> -2.28	42.32	7.04
22 11 16 00-0861 LF 4" Inside Diameter Copper Pipe/Tubing Type L Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 8.15 <i>For Type M Tubing Instead Of Type L, Deduct</i> -5.93 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 5.83 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -4.57 <i>For Work In Restricted Working Space, Add</i> 7.56 <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> -4.10	66.17	9.32
22 11 16 00-0862 LF 5" Inside Diameter Copper Pipe/Tubing Type L Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 17.21 <i>For Type M Tubing Instead Of Type L, Deduct</i> -12.24 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 9.41 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -7.80 <i>For Work In Restricted Working Space, Add</i> 9.70 <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> -9.12	123.57	11.61
22 11 16 00-0863 LF 6" Inside Diameter Copper Pipe/Tubing Type L Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 22.66 <i>For Type M Tubing Instead Of Type L, Deduct</i> -16.11 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 12.19 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -10.13 <i>For Work In Restricted Working Space, Add</i> 12.32 <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> -12.05	161.60	14.02
22 11 16 00-0864 LF 8" Inside Diameter Copper Pipe/Tubing Type L Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 59.31 <i>For Type M Tubing Instead Of Type L, Deduct</i> -41.44 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 24.07 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -21.52 <i>For Work In Restricted Working Space, Add</i> 15.31 <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> -32.84	379.39	16.75
22 11 16 00-0865 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16) Note: Socket weld.		
22 11 16 00-0866 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16 00-0865)		
22 11 16 00-0867 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe (22 11 16 00-0866)		
22 11 16 00-0868 LF 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i> 0.78	4.35	1.04
22 11 16 00-0869 LF 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i> 0.82	5.13	1.10
22 11 16 00-0870 LF 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i> 0.88	6.44	1.18
22 11 16 00-0871 LF 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i> 0.97	8.06	1.28
22 11 16 00-0872 LF 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i> 1.07	9.42	1.42
22 11 16 00-0873 LF 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i> 1.19	12.09	1.59
22 11 16 00-0874 LF 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i> 1.36	16.93	1.81





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0875	LF		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	21.91 1.60	2.14
22 11 16 00-0876	LF		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	30.89 1.97	2.63
22 11 16 00-0877	LF		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	55.40 2.51	3.34
22 11 16 00-0878	LF		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	80.34 3.29	4.38
<b>22 11 16 00-0879</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows</b> <small>(22 11 16 00-0876)</small>		
22 11 16 00-0880	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	15.11 3.71	4.95
22 11 16 00-0881	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	19.89 4.70	6.26
22 11 16 00-0882	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	26.33 5.89	7.82
22 11 16 00-0883	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	37.43 7.35	9.78
22 11 16 00-0884	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	41.69 8.13	10.82
22 11 16 00-0885	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	49.91 9.08	10.82
22 11 16 00-0886	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	85.63 10.33	13.75
22 11 16 00-0887	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	96.32 12.20	16.30
22 11 16 00-0888	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	142.86 15.02	20.02
22 11 16 00-0889	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	179.94 19.09	25.42
22 11 16 00-0890	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	368.10 25.03	33.38
<b>22 11 16 00-0891</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows</b> <small>(22 11 16 00-0876)</small>		
22 11 16 00-0892	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	16.47 3.71	4.95
22 11 16 00-0893	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	21.52 4.70	6.26
22 11 16 00-0894	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	28.98 5.89	7.82
22 11 16 00-0895	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	40.91 7.35	9.78
22 11 16 00-0896	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	45.94 8.13	10.82
22 11 16 00-0897	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	51.35 9.08	12.12
22 11 16 00-0898	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	86.54 10.33	13.75
22 11 16 00-0899	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	96.20 12.20	16.30
22 11 16 00-0900	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	126.24 15.02	20.02
22 11 16 00-0901	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	211.11 19.09	25.42
22 11 16 00-0902	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	390.19 25.03	33.38
<b>22 11 16 00-0903</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees</b> <small>(22 11 16 00-0876)</small>		
22 11 16 00-0904	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	23.53 5.57	7.43
22 11 16 00-0905	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	31.38 7.04	9.39
22 11 16 00-0906	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	39.20 8.84	11.80
22 11 16 00-0907	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee ..... <i>For Work In Restricted Working Space, Add</i>	57.29 11.03	14.73
22 11 16 00-0908	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee ..... <i>For Work In Restricted Working Space, Add</i>	64.20 12.20	16.30
22 11 16 00-0909	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	80.45 13.61	18.12
22 11 16 00-0910	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee ..... <i>For Work In Restricted Working Space, Add</i>	109.27 15.49	20.66
22 11 16 00-0911	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	123.73 18.31	24.38
22 11 16 00-0912	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	149.17 22.53	30.05
22 11 16 00-0913	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	240.19 28.63	38.20



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0914	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	539.58 37.55	50.07
<b>22 11 16 00-0915</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses</b> <small>(22 11 16 00-0866)</small>		
22 11 16 00-0916	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	29.05 7.43	9.91
22 11 16 00-0917	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	38.11 9.39	12.51
22 11 16 00-0918	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	47.64 11.78	15.71
22 11 16 00-0919	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	66.71 14.71	19.62
22 11 16 00-0920	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	74.50 16.27	21.71
22 11 16 00-0921	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	90.71 18.15	24.18
22 11 16 00-0922	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	118.48 20.65	27.51
22 11 16 00-0923	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	135.36 24.41	32.53
22 11 16 00-0924	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	163.94 30.04	40.02
22 11 16 00-0925	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	251.92 38.17	50.91
22 11 16 00-0926	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	523.83 50.06	66.75
<b>22 11 16 00-0927</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts</b> <small>(22 11 16 00-0866)</small>		
22 11 16 00-0928	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	13.11 3.44	4.57
22 11 16 00-0929	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	18.63 4.64	6.19
22 11 16 00-0930	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	34.75 6.06	8.09
22 11 16 00-0931	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	39.52 6.71	8.93
22 11 16 00-0932	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	47.51 7.49	9.97
22 11 16 00-0933	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	50.97 8.53	11.34
22 11 16 00-0934	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	62.43 10.07	13.43
22 11 16 00-0935	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	87.58 12.40	16.50
22 11 16 00-0936	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	150.99 15.74	20.99
22 11 16 00-0937	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	365.24 20.65	27.51
<b>22 11 16 00-0938</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts</b> <small>(22 11 16 00-0866)</small>		
22 11 16 00-0939	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	18.83 2.45	3.26
22 11 16 00-0940	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	22.99 3.44	4.57
22 11 16 00-0941	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	27.80 4.64	6.19
22 11 16 00-0942	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	33.96 6.06	8.09
22 11 16 00-0943	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	40.69 6.71	8.93
22 11 16 00-0944	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	53.34 7.49	9.97
22 11 16 00-0945	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	89.07 8.53	11.34
22 11 16 00-0946	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	191.96 10.07	13.43
22 11 16 00-0947	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	290.96 12.40	16.50
<b>22 11 16 00-0948</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters</b> <small>(22 11 16 00-0866)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0949	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	12.24	3.26
			<i>For Work In Restricted Working Space, Add</i>	2.45	
22 11 16 00-0950	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	17.01	4.57
			<i>For Work In Restricted Working Space, Add</i>	3.44	
22 11 16 00-0951	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	24.77	6.19
			<i>For Work In Restricted Working Space, Add</i>	4.64	
22 11 16 00-0952	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	33.96	8.09
			<i>For Work In Restricted Working Space, Add</i>	6.06	
22 11 16 00-0953	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	40.96	8.93
			<i>For Work In Restricted Working Space, Add</i>	6.71	
22 11 16 00-0954	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	50.12	9.97
			<i>For Work In Restricted Working Space, Add</i>	7.49	
22 11 16 00-0955	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	76.04	11.34
			<i>For Work In Restricted Working Space, Add</i>	8.53	
22 11 16 00-0956	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	91.14	13.43
			<i>For Work In Restricted Working Space, Add</i>	10.07	
22 11 16 00-0957	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters.....	138.67	16.50
			<i>For Work In Restricted Working Space, Add</i>	12.40	
<b>22 11 16 00-0958</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters</b> (22 11 16 00-0866)		
22 11 16 00-0959	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	13.80	3.26
			<i>For Work In Restricted Working Space, Add</i>	2.45	
22 11 16 00-0960	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	17.50	4.57
			<i>For Work In Restricted Working Space, Add</i>	3.44	
22 11 16 00-0961	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	24.90	6.19
			<i>For Work In Restricted Working Space, Add</i>	4.64	
22 11 16 00-0962	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	34.41	8.09
			<i>For Work In Restricted Working Space, Add</i>	6.06	
22 11 16 00-0963	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	38.87	8.93
			<i>For Work In Restricted Working Space, Add</i>	6.71	
22 11 16 00-0964	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	48.42	9.97
			<i>For Work In Restricted Working Space, Add</i>	7.49	
22 11 16 00-0965	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	77.03	11.34
			<i>For Work In Restricted Working Space, Add</i>	8.53	
22 11 16 00-0966	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	108.33	13.43
			<i>For Work In Restricted Working Space, Add</i>	10.07	
22 11 16 00-0967	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters.....	167.91	16.50
			<i>For Work In Restricted Working Space, Add</i>	12.40	
<b>22 11 16 00-0968</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings</b> (22 11 16 00-0866)		
22 11 16 00-0969	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	10.91	2.99
			<i>For Work In Restricted Working Space, Add</i>	2.23	
22 11 16 00-0970	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	15.35	4.17
			<i>For Work In Restricted Working Space, Add</i>	3.13	
22 11 16 00-0971	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	20.65	5.61
			<i>For Work In Restricted Working Space, Add</i>	4.21	
22 11 16 00-0972	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	28.27	7.37
			<i>For Work In Restricted Working Space, Add</i>	5.51	
22 11 16 00-0973	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	32.80	8.15
			<i>For Work In Restricted Working Space, Add</i>	6.10	
22 11 16 00-0974	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	37.16	9.07
			<i>For Work In Restricted Working Space, Add</i>	6.81	
22 11 16 00-0975	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	60.50	10.30
			<i>For Work In Restricted Working Space, Add</i>	7.74	
22 11 16 00-0976	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	65.55	12.19
			<i>For Work In Restricted Working Space, Add</i>	9.15	
22 11 16 00-0977	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	83.45	14.99
			<i>For Work In Restricted Working Space, Add</i>	11.27	
22 11 16 00-0978	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	138.28	19.10
			<i>For Work In Restricted Working Space, Add</i>	14.32	
22 11 16 00-0979	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	246.08	25.03
			<i>For Work In Restricted Working Space, Add</i>	18.77	
<b>22 11 16 00-0980</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions</b> (22 11 16 00-0866)		
22 11 16 00-0981	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	23.78	3.59
			<i>For Work In Restricted Working Space, Add</i>	2.68	
22 11 16 00-0982	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	28.08	5.02
			<i>For Work In Restricted Working Space, Add</i>	3.75	
22 11 16 00-0983	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	32.88	6.72
			<i>For Work In Restricted Working Space, Add</i>	5.05	
22 11 16 00-0984	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	59.79	8.80
			<i>For Work In Restricted Working Space, Add</i>	6.61	
22 11 16 00-0985	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	62.82	9.78
			<i>For Work In Restricted Working Space, Add</i>	7.31	
22 11 16 00-0986	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	91.03	10.89
			<i>For Work In Restricted Working Space, Add</i>	8.18	
22 11 16 00-0987	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	163.23	12.38
			<i>For Work In Restricted Working Space, Add</i>	9.29	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0988	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	236.49 10.99	14.67
22 11 16 00-0989	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	384.81 13.51	17.99
22 11 16 00-0990	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	516.11 17.17	22.88
22 11 16 00-0991	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	635.63 22.53	30.05
<b>22 11 16 00-0992</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps</b> (22 11 16 00-0866)		
22 11 16 00-0993	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	7.97 0.74	0.98
22 11 16 00-0994	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	13.01 1.56	2.09
22 11 16 00-0995	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	22.20 2.52	3.39
22 11 16 00-0996	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	24.31 2.76	3.65
22 11 16 00-0997	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	25.58 3.05	4.04
22 11 16 00-0998	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	36.16 3.40	4.57
22 11 16 00-0999	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	57.60 3.87	5.15
22 11 16 00-1000	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	60.98 4.58	6.13
22 11 16 00-1001	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	95.89 5.63	7.49
22 11 16 00-1002	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	215.73 7.16	9.52
22 11 16 00-1003	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	277.66 9.39	12.51
<b>22 11 16 00-1004</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges</b> (22 11 16 00-0866)		
22 11 16 00-1005	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	19.19 1.78	2.35
22 11 16 00-1006	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	22.54 2.50	3.33
22 11 16 00-1007	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	27.04 3.36	4.50
22 11 16 00-1008	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	31.02 4.42	5.87
22 11 16 00-1009	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	32.96 4.89	6.51
22 11 16 00-1010	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	40.28 5.44	7.24
22 11 16 00-1011	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	55.25 6.20	8.28
22 11 16 00-1012	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	62.10 7.31	9.78
22 11 16 00-1013	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	77.85 9.02	12.00
22 11 16 00-1014	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	113.34 11.46	15.26
22 11 16 00-1015	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	219.60 15.02	20.02
<b>22 11 16 00-1016</b>			<b>Red Brass Pipe And Fittings</b> (22 11 16)		
			Note: ASTM B43 And B251 (Pipe), ASME B16.15.		
<b>22 11 16 00-1017</b>			<b>Schedule 40 Red Brass Pipe</b> (22 11 16 00-1016)		
22 11 16 00-1018	LF		1/2" Schedule 40 Red Brass Pipe	12.24	1.37
22 11 16 00-1019	LF		3/4" Schedule 40 Red Brass Pipe	15.88	1.37
22 11 16 00-1020	LF		1" Schedule 40 Red Brass Pipe	21.29	1.37
22 11 16 00-1021	LF		1-1/4" Schedule 40 Red Brass Pipe	30.83	1.50
22 11 16 00-1022	LF		1-1/2" Schedule 40 Red Brass Pipe	35.42	1.63
22 11 16 00-1023	LF		2" Schedule 40 Red Brass Pipe	45.28	1.96
22 11 16 00-1024	LF		2-1/2" Schedule 40 Red Brass Pipe	65.40	2.22
22 11 16 00-1025	LF		3" Schedule 40 Red Brass Pipe	91.81	2.35
22 11 16 00-1026	LF		4" Schedule 40 Red Brass Pipe	131.04	2.35
<b>22 11 16 00-1027</b>			<b>125 LB Cast Bronze, Screwed, 90 Degree Elbows</b> (22 11 16 00-1016)		
22 11 16 00-1028	EA		1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	38.62	16.23
22 11 16 00-1029	EA		3/4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	43.93	17.86
22 11 16 00-1030	EA		1" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	55.58	21.13
22 11 16 00-1031	EA		1-1/4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	67.08	22.69
22 11 16 00-1032	EA		1-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	75.47	24.31
22 11 16 00-1033	EA		2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	95.18	25.95



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1034 EA 2-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow .....	164.85	32.46
22 11 16 00-1035 EA 3" 125 LB Cast Bronze, Screwed, 90 Degree Elbow .....	230.53	38.91
22 11 16 00-1036 EA 4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow .....	412.89	51.89
<b>22 11 16 00-1037 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbows (22 11 16 00-1016)</b>		
22 11 16 00-1038 EA 1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow .....	40.68	16.23
22 11 16 00-1039 EA 3/4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow .....	46.93	17.86
22 11 16 00-1040 EA 1" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow .....	61.86	21.13
22 11 16 00-1041 EA 1-1/4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow .....	75.31	22.69
22 11 16 00-1042 EA 1-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow .....	86.79	24.31
22 11 16 00-1043 EA 2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow .....	119.91	25.95
22 11 16 00-1044 EA 2-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow .....	185.45	32.46
22 11 16 00-1045 EA 3" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow .....	293.84	38.91
22 11 16 00-1046 EA 4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow .....	592.06	51.89
<b>22 11 16 00-1047 125 LB Cast Bronze, Screwed, 45 Degree Elbows (22 11 16 00-1016)</b>		
22 11 16 00-1048 EA 1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow .....	39.67	16.23
22 11 16 00-1049 EA 3/4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow .....	45.98	17.86
22 11 16 00-1050 EA 1" 125 LB Cast Bronze, Screwed, 45 Degree Elbow .....	59.71	21.13
22 11 16 00-1051 EA 1-1/4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow .....	73.26	22.69
22 11 16 00-1052 EA 1-1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow .....	83.69	24.31
22 11 16 00-1053 EA 2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow .....	108.57	25.95
22 11 16 00-1054 EA 2-1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow .....	173.06	32.46
22 11 16 00-1055 EA 3" 125 LB Cast Bronze, Screwed, 45 Degree Elbow .....	244.59	38.91
22 11 16 00-1056 EA 4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow .....	550.43	51.89
<b>22 11 16 00-1057 125 LB Cast Bronze, Screwed, Tees (22 11 16 00-1016)</b>		
22 11 16 00-1058 EA 1/2" 125 LB Cast Bronze, Screwed, Tee .....	55.89	24.31
22 11 16 00-1059 EA 3/4" 125 LB Cast Bronze, Screwed, Tee .....	63.49	26.60
22 11 16 00-1060 EA 1" 125 LB Cast Bronze, Screwed, Tee .....	81.50	31.48
22 11 16 00-1061 EA 1-1/4" 125 LB Cast Bronze, Screwed, Tee .....	100.08	34.09
22 11 16 00-1062 EA 1-1/2" 125 LB Cast Bronze, Screwed, Tee .....	108.73	36.31
22 11 16 00-1063 EA 2" 125 LB Cast Bronze, Screwed, Tee .....	137.63	38.91
22 11 16 00-1064 EA 2-1/2" 125 LB Cast Bronze, Screwed, Tee .....	233.33	48.69
22 11 16 00-1065 EA 3" 125 LB Cast Bronze, Screwed, Tee .....	324.70	58.40
22 11 16 00-1066 EA 4" 125 LB Cast Bronze, Screwed, Tee .....	670.84	77.84
<b>22 11 16 00-1067 125 LB Cast Bronze, Screwed, Reducing Tees (22 11 16 00-1016)</b>		
22 11 16 00-1068 EA 1/2" 125 LB Cast Bronze, Screwed, Reducing Tee .....	58.97	24.31
22 11 16 00-1069 EA 3/4" 125 LB Cast Bronze, Screwed, Reducing Tee .....	65.57	26.60
22 11 16 00-1070 EA 1" 125 LB Cast Bronze, Screwed, Reducing Tee .....	89.75	31.48
22 11 16 00-1071 EA 1-1/4" 125 LB Cast Bronze, Screwed, Reducing Tee .....	106.26	34.09
22 11 16 00-1072 EA 1-1/2" 125 LB Cast Bronze, Screwed, Reducing Tee .....	125.22	36.31
22 11 16 00-1073 EA 2" 125 LB Cast Bronze, Screwed, Reducing Tee .....	163.38	38.91
22 11 16 00-1074 EA 2-1/2" 125 LB Cast Bronze, Screwed, Reducing Tee .....	283.41	48.69
22 11 16 00-1075 EA 3" 125 LB Cast Bronze, Screwed, Reducing Tee .....	542.37	58.40
22 11 16 00-1076 EA 4" 125 LB Cast Bronze, Screwed, Reducing Tee .....	842.54	77.84
<b>22 11 16 00-1077 125 LB Cast Bronze, Screwed, Crosses (22 11 16 00-1016)</b>		
22 11 16 00-1078 EA 1/2" 125 LB Cast Bronze, Screwed, Cross .....	79.33	32.46
22 11 16 00-1079 EA 3/4" 125 LB Cast Bronze, Screwed, Cross .....	91.98	35.66
22 11 16 00-1080 EA 1" 125 LB Cast Bronze, Screwed, Cross .....	116.30	42.18
22 11 16 00-1081 EA 1-1/4" 125 LB Cast Bronze, Screwed, Cross .....	144.89	45.44
22 11 16 00-1082 EA 1-1/2" 125 LB Cast Bronze, Screwed, Cross .....	171.78	48.69
22 11 16 00-1083 EA 2" 125 LB Cast Bronze, Screwed, Cross .....	252.69	51.89
22 11 16 00-1084 EA 2-1/2" 125 LB Cast Bronze, Screwed, Cross .....	411.42	64.86
22 11 16 00-1085 EA 3" 125 LB Cast Bronze, Screwed, Cross .....	568.86	77.84
22 11 16 00-1086 EA 4" 125 LB Cast Bronze, Screwed, Cross .....	1,052.57	103.84
<b>22 11 16 00-1087 125 LB Cast Bronze, Screwed, Caps (22 11 16 00-1016)</b>		
22 11 16 00-1088 EA 1/2" 125 LB Cast Bronze, Screwed, Cap .....	30.07	12.97
22 11 16 00-1089 EA 3/4" 125 LB Cast Bronze, Screwed, Cap .....	34.36	14.60
22 11 16 00-1090 EA 1" 125 LB Cast Bronze, Screwed, Cap .....	43.10	16.88
22 11 16 00-1091 EA 1-1/4" 125 LB Cast Bronze, Screwed, Cap .....	53.47	18.51
22 11 16 00-1092 EA 1-1/2" 125 LB Cast Bronze, Screwed, Cap .....	61.24	19.81
22 11 16 00-1093 EA 2" 125 LB Cast Bronze, Screwed, Cap .....	79.28	21.13
22 11 16 00-1094 EA 2-1/2" 125 LB Cast Bronze, Screwed, Cap .....	119.89	25.95
22 11 16 00-1095 EA 3" 125 LB Cast Bronze, Screwed, Cap .....	170.00	32.46
22 11 16 00-1096 EA 4" 125 LB Cast Bronze, Screwed, Cap .....	284.79	42.18
<b>22 11 16 00-1097 125 LB Cast Bronze, Screwed, Couplings (22 11 16 00-1016)</b>		
22 11 16 00-1098 EA 1/2" 125 LB Cast Bronze, Screwed, Coupling .....	37.60	16.23
22 11 16 00-1099 EA 3/4" 125 LB Cast Bronze, Screwed, Coupling .....	42.92	17.86



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1100 EA 1" 125 LB Cast Bronze, Screwed, Coupling .....	54.55	21.13
22 11 16 00-1101 EA 1-1/4" 125 LB Cast Bronze, Screwed, Coupling .....	66.03	22.69
22 11 16 00-1102 EA 1-1/2" 125 LB Cast Bronze, Screwed, Coupling .....	75.47	24.31
22 11 16 00-1103 EA 2" 125 LB Cast Bronze, Screwed, Coupling .....	96.21	25.95
22 11 16 00-1104 EA 2-1/2" 125 LB Cast Bronze, Screwed, Coupling .....	137.02	32.46
22 11 16 00-1105 EA 3" 125 LB Cast Bronze, Screwed, Coupling .....	177.83	38.91
22 11 16 00-1106 EA 4" 125 LB Cast Bronze, Screwed, Coupling .....	309.86	51.89
<b>22 11 16 00-1107 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducers</b>		
(22 11 16 00-1016)		
22 11 16 00-1108 EA 1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer .....	33.51	12.97
22 11 16 00-1109 EA 3/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer .....	38.33	14.60
22 11 16 00-1110 EA 1" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer .....	52.09	19.49
22 11 16 00-1111 EA 1-1/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer .....	62.73	21.13
22 11 16 00-1112 EA 1-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer .....	71.31	22.69
22 11 16 00-1113 EA 2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer .....	86.95	24.31
22 11 16 00-1114 EA 2-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer .....	127.79	30.84
22 11 16 00-1115 EA 3" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer .....	155.41	35.66
22 11 16 00-1116 EA 4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer .....	273.79	47.07
<b>22 11 16 00-1117 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducers</b>		
(22 11 16 00-1016)		
22 11 16 00-1118 EA 3/4" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer .....	34.37	12.97
22 11 16 00-1119 EA 1" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer .....	63.36	17.86
22 11 16 00-1120 EA 1-1/4" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer .....	84.04	19.49
22 11 16 00-1121 EA 1-1/2" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer .....	98.79	21.13
22 11 16 00-1122 EA 2" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer .....	132.65	24.31
22 11 16 00-1123 EA 2-1/2" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer .....	205.70	30.84
22 11 16 00-1124 EA 3" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer .....	249.65	32.46
22 11 16 00-1125 EA 4" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer .....	282.18	42.18
<b>22 11 16 00-1126 125 LB Cast Bronze, Screwed, Unions</b>		
(22 11 16 00-1016)		
22 11 16 00-1127 EA 1/2" 125 LB Cast Bronze, Screwed, Union .....	42.44	12.97
22 11 16 00-1128 EA 3/4" 125 LB Cast Bronze, Screwed, Union .....	51.21	14.28
22 11 16 00-1129 EA 1" 125 LB Cast Bronze, Screwed, Union .....	63.63	16.88
22 11 16 00-1130 EA 1-1/4" 125 LB Cast Bronze, Screwed, Union .....	79.60	18.19
22 11 16 00-1131 EA 1-1/2" 125 LB Cast Bronze, Screwed, Union .....	90.46	19.49
22 11 16 00-1132 EA 2" 125 LB Cast Bronze, Screwed, Union .....	107.08	22.03
<b>22 11 16 00-1133 125 LB Cast Bronze, Screwed, Companion Flanges</b>		
(22 11 16 00-1016)		
22 11 16 00-1134 EA 1/2" 125 LB Cast Bronze, Screwed, Companion Flange .....	123.77	16.23
22 11 16 00-1135 EA 3/4" 125 LB Cast Bronze, Screwed, Companion Flange .....	134.47	19.49
22 11 16 00-1136 EA 1" 125 LB Cast Bronze, Screwed, Companion Flange .....	154.05	22.69
22 11 16 00-1137 EA 1-1/4" 125 LB Cast Bronze, Screwed, Companion Flange .....	176.04	24.31
22 11 16 00-1138 EA 1-1/2" 125 LB Cast Bronze, Screwed, Companion Flange .....	209.24	25.95
22 11 16 00-1139 EA 2" 125 LB Cast Bronze, Screwed, Companion Flange .....	264.97	27.58
22 11 16 00-1140 EA 2-1/2" 125 LB Cast Bronze, Screwed, Companion Flange .....	334.62	32.46
22 11 16 00-1141 EA 3" 125 LB Cast Bronze, Screwed, Companion Flange .....	414.53	40.55
22 11 16 00-1142 EA 4" 125 LB Cast Bronze, Screwed, Companion Flange .....	591.19	56.78
<b>22 11 16 00-1143 125 LB Cast Bronze, Screwed, Square Head Plugs</b>		
(22 11 16 00-1016)		
22 11 16 00-1144 EA 1/2" 125 LB Cast Bronze, Screwed, Square Head Plug .....	11.64	
22 11 16 00-1145 EA 3/4" 125 LB Cast Bronze, Screwed, Square Head Plug .....	12.10	
22 11 16 00-1146 EA 1" 125 LB Cast Bronze, Screwed, Square Head Plug .....	18.67	
22 11 16 00-1147 EA 1-1/4" 125 LB Cast Bronze, Screwed, Square Head Plug .....	21.76	
22 11 16 00-1148 EA 1-1/2" 125 LB Cast Bronze, Screwed, Square Head Plug .....	24.96	
22 11 16 00-1149 EA 2" 125 LB Cast Bronze, Screwed, Square Head Plug .....	37.71	
22 11 16 00-1150 EA 2-1/2" 125 LB Cast Bronze, Screwed, Square Head Plug .....	57.57	
22 11 16 00-1151 EA 3" 125 LB Cast Bronze, Screwed, Square Head Plug .....	84.89	
22 11 16 00-1152 EA 4" 125 LB Cast Bronze, Screwed, Square Head Plug .....	142.62	
<b>22 11 16 00-1153 125 LB Cast Bronze, Screwed, Counter Sunk Plugs</b>		
(22 11 16 00-1016)		
22 11 16 00-1154 EA 1/2" 125 LB Cast Bronze, Screwed, Counter Sunk Plug .....	5.16	
22 11 16 00-1155 EA 3/4" 125 LB Cast Bronze, Screwed, Counter Sunk Plug .....	6.18	
22 11 16 00-1156 EA 1" 125 LB Cast Bronze, Screwed, Counter Sunk Plug .....	9.29	
22 11 16 00-1157 EA 1-1/4" 125 LB Cast Bronze, Screwed, Counter Sunk Plug .....	14.44	
22 11 16 00-1158 EA 1-1/2" 125 LB Cast Bronze, Screwed, Counter Sunk Plug .....	22.86	
22 11 16 00-1159 EA 2" 125 LB Cast Bronze, Screwed, Counter Sunk Plug .....	35.42	
22 11 16 00-1160 EA 2-1/2" 125 LB Cast Bronze, Screwed, Counter Sunk Plug .....	68.95	
22 11 16 00-1161 EA 3" 125 LB Cast Bronze, Screwed, Counter Sunk Plug .....	111.66	
22 11 16 00-1162 EA 4" 125 LB Cast Bronze, Screwed, Counter Sunk Plug .....	272.33	
<b>22 11 16 00-1163 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushings</b>		
(22 11 16 00-1016)		



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 11 16 00-1164	EA	1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	4.11
22 11 16 00-1165	EA	3/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	5.16
22 11 16 00-1166	EA	1" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	7.23
22 11 16 00-1167	EA	1-1/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	12.37
22 11 16 00-1168	EA	1-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	17.53
22 11 16 00-1169	EA	2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	21.66
22 11 16 00-1170	EA	2-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	54.61
22 11 16 00-1171	EA	3" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	80.38
22 11 16 00-1172	EA	4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing.....	176.07
<b>22 11 16 00-1173</b>		<b>125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushings (22 11 16 00-1016)</b>	
22 11 16 00-1174	EA	1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing .....	7.23
22 11 16 00-1175	EA	3/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing .....	10.29
22 11 16 00-1176	EA	1" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing .....	17.94
22 11 16 00-1177	EA	1-1/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing .....	24.36
22 11 16 00-1178	EA	1-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing .....	30.46
22 11 16 00-1179	EA	2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing .....	38.37
22 11 16 00-1180	EA	2-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing .....	78.35
22 11 16 00-1181	EA	3" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing .....	123.97
22 11 16 00-1182	EA	4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing .....	260.50
<b>22 11 16 00-1183</b>		<b>1/2" Red Brass Pipe Nipples (22 11 16 00-1016)</b>	
		Note: Threaded both ends.	
22 11 16 00-1184	EA	1/2" x Close, Red Brass Pipe Nipple.....	7.09
22 11 16 00-1185	EA	1/2" x 1-1/2" Long, Red Brass Pipe Nipple .....	8.31
22 11 16 00-1186	EA	1/2" x 2" Long, Red Brass Pipe Nipple.....	10.17
22 11 16 00-1187	EA	1/2" x 2-1/2" Long, Red Brass Pipe Nipple .....	12.09
22 11 16 00-1188	EA	1/2" x 3" Long, Red Brass Pipe Nipple.....	14.00
22 11 16 00-1189	EA	1/2" x 3-1/2" Long, Red Brass Pipe Nipple .....	16.52
22 11 16 00-1190	EA	1/2" x 4" Long, Red Brass Pipe Nipple.....	18.53
22 11 16 00-1191	EA	1/2" x 4-1/2" Long, Red Brass Pipe Nipple .....	20.35
22 11 16 00-1192	EA	1/2" x 5" Long, Red Brass Pipe Nipple.....	22.26
22 11 16 00-1193	EA	1/2" x 5-1/2" Long, Red Brass Pipe Nipple .....	24.36
22 11 16 00-1194	EA	1/2" x 6" Long, Red Brass Pipe Nipple.....	26.23
<b>22 11 16 00-1195</b>		<b>3/4" Red Brass Pipe Nipples (22 11 16 00-1016)</b>	
		Note: Threaded both ends.	
22 11 16 00-1196	EA	3/4" x Close, Red Brass Pipe Nipple.....	10.36
22 11 16 00-1197	EA	3/4" x 1-1/2" Long, Red Brass Pipe Nipple .....	12.92
22 11 16 00-1198	EA	3/4" x 2" Long, Red Brass Pipe Nipple.....	13.21
22 11 16 00-1199	EA	3/4" x 2-1/2" Long, Red Brass Pipe Nipple .....	15.54
22 11 16 00-1200	EA	3/4" x 3" Long, Red Brass Pipe Nipple.....	17.64
22 11 16 00-1201	EA	3/4" x 3-1/2" Long, Red Brass Pipe Nipple .....	20.25
22 11 16 00-1202	EA	3/4" x 4" Long, Red Brass Pipe Nipple.....	22.77
22 11 16 00-1203	EA	3/4" x 4-1/2" Long, Red Brass Pipe Nipple .....	25.58
22 11 16 00-1204	EA	3/4" x 5" Long, Red Brass Pipe Nipple.....	27.91
22 11 16 00-1205	EA	3/4" x 5-1/2" Long, Red Brass Pipe Nipple .....	32.16
22 11 16 00-1206	EA	3/4" x 6" Long, Red Brass Pipe Nipple.....	33.79
<b>22 11 16 00-1207</b>		<b>1" Red Brass Pipe Nipples (22 11 16 00-1016)</b>	
		Note: Threaded both ends.	
22 11 16 00-1208	EA	1" x Close, Red Brass Pipe Nipple.....	15.77
22 11 16 00-1209	EA	1" x 1-1/2" Long, Red Brass Pipe Nipple .....	17.36
22 11 16 00-1210	EA	1" x 2" Long, Red Brass Pipe Nipple.....	18.95
22 11 16 00-1211	EA	1" x 2-1/2" Long, Red Brass Pipe Nipple .....	22.54
22 11 16 00-1212	EA	1" x 3" Long, Red Brass Pipe Nipple.....	25.48
22 11 16 00-1213	EA	1" x 3-1/2" Long, Red Brass Pipe Nipple .....	30.01
22 11 16 00-1214	EA	1" x 4" Long, Red Brass Pipe Nipple.....	33.60
22 11 16 00-1215	EA	1" x 4-1/2" Long, Red Brass Pipe Nipple .....	37.15
22 11 16 00-1216	EA	1" x 5" Long, Red Brass Pipe Nipple.....	40.79
22 11 16 00-1217	EA	1" x 5-1/2" Long, Red Brass Pipe Nipple .....	44.62
22 11 16 00-1218	EA	1" x 6" Long, Red Brass Pipe Nipple.....	48.16
<b>22 11 16 00-1219</b>		<b>1-1/4" Red Brass Pipe Nipples (22 11 16 00-1016)</b>	
		Note: Threaded both ends.	
22 11 16 00-1220	EA	1-1/4" x Close, Red Brass Pipe Nipple.....	23.34
22 11 16 00-1221	EA	1-1/4" x 1-1/2" Long, Red Brass Pipe Nipple .....	24.87
22 11 16 00-1222	EA	1-1/4" x 2" Long, Red Brass Pipe Nipple .....	26.74
22 11 16 00-1223	EA	1-1/4" x 2-1/2" Long, Red Brass Pipe Nipple .....	32.20
22 11 16 00-1224	EA	1-1/4" x 3" Long, Red Brass Pipe Nipple .....	37.62
22 11 16 00-1225	EA	1-1/4" x 3-1/2" Long, Red Brass Pipe Nipple .....	44.15
22 11 16 00-1226	EA	1-1/4" x 4" Long, Red Brass Pipe Nipple .....	49.56
22 11 16 00-1227	EA	1-1/4" x 4-1/2" Long, Red Brass Pipe Nipple .....	54.98
22 11 16 00-1228	EA	1-1/4" x 5" Long, Red Brass Pipe Nipple .....	60.44
22 11 16 00-1229	EA	1-1/4" x 5-1/2" Long, Red Brass Pipe Nipple .....	66.13



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1230	EA		1-1/4" x 6" Long, Red Brass Pipe Nipple .....	71.55	
<b>22 11 16 00-1231</b>			<b>1-1/2" Red Brass Pipe Nipples</b> (22 11 16 00-1016)		
			Note: Threaded both ends.		
22 11 16 00-1232	EA		1-1/2" x Close, Red Brass Pipe Nipple .....	29.03	
22 11 16 00-1233	EA		1-1/2" x 1-1/2" Long, Red Brass Pipe Nipple .....	30.29	
22 11 16 00-1234	EA		1-1/2" x 2" Long, Red Brass Pipe Nipple .....	31.55	
22 11 16 00-1235	EA		1-1/2" x 2-1/2" Long, Red Brass Pipe Nipple .....	38.36	
22 11 16 00-1236	EA		1-1/2" x 3" Long, Red Brass Pipe Nipple .....	43.50	
22 11 16 00-1237	EA		1-1/2" x 3-1/2" Long, Red Brass Pipe Nipple .....	51.15	
22 11 16 00-1238	EA		1-1/2" x 4" Long, Red Brass Pipe Nipple .....	57.59	
22 11 16 00-1239	EA		1-1/2" x 4-1/2" Long, Red Brass Pipe Nipple .....	64.27	
22 11 16 00-1240	EA		1-1/2" x 5" Long, Red Brass Pipe Nipple .....	70.71	
22 11 16 00-1241	EA		1-1/2" x 5-1/2" Long, Red Brass Pipe Nipple .....	77.01	
22 11 16 00-1242	EA		1-1/2" x 6" Long, Red Brass Pipe Nipple .....	83.31	
<b>22 11 16 00-1243</b>			<b>2" Red Brass Pipe Nipples</b> (22 11 16 00-1016)		
			Note: Threaded both ends.		
22 11 16 00-1244	EA		2" x Close, Red Brass Pipe Nipple.....	44.62	
22 11 16 00-1245	EA		2" x 1-1/2" Long, Red Brass Pipe Nipple .....	46.18	
22 11 16 00-1246	EA		2" x 2" Long, Red Brass Pipe Nipple .....	47.72	
22 11 16 00-1247	EA		2" x 2-1/2" Long, Red Brass Pipe Nipple .....	49.28	
22 11 16 00-1248	EA		2" x 3" Long, Red Brass Pipe Nipple .....	55.82	
22 11 16 00-1249	EA		2" x 3-1/2" Long, Red Brass Pipe Nipple .....	65.81	
22 11 16 00-1250	EA		2" x 4" Long, Red Brass Pipe Nipple .....	73.93	
22 11 16 00-1251	EA		2" x 4-1/2" Long, Red Brass Pipe Nipple .....	82.05	
22 11 16 00-1252	EA		2" x 5" Long, Red Brass Pipe Nipple .....	89.37	
22 11 16 00-1253	EA		2" x 5-1/2" Long, Red Brass Pipe Nipple .....	98.57	
22 11 16 00-1254	EA		2" x 6" Long, Red Brass Pipe Nipple .....	106.64	
<b>22 11 16 00-1255</b>			<b>Cross-Linked Polyethylene Tubing, ASTM F877</b> (22 11 16)		
			Note: Aboveground, domestic water usage.		
<b>22 11 16 00-1256</b>			<b>Cross-Linked Polyethylene Tubing</b> (22 11 16 00-1255)		
22 11 16 00-1257	LF		3/8" Cross-Linked Polyethylene Tubing .....	2.56	
			<i>For Work In Restricted Working Space, Add</i>	0.62	
22 11 16 00-1258	LF		1/2" Cross-Linked Polyethylene Tubing .....	2.78	
			<i>For Work In Restricted Working Space, Add</i>	0.67	
22 11 16 00-1259	LF		3/4" Cross-Linked Polyethylene Tubing .....	3.42	
			<i>For Work In Restricted Working Space, Add</i>	0.72	
22 11 16 00-1260	LF		1" Cross-Linked Polyethylene Tubing .....	4.30	
			<i>For Work In Restricted Working Space, Add</i>	0.76	
<b>22 11 16 00-1261</b>			<b>Cross-Linked Polyethylene Forged Brass PEX Fittings</b> (22 11 16 00-1255)		
			Note: Aboveground, domestic water usage.		
<b>22 11 16 00-1262</b>			<b>Male Adapters</b> (22 11 16 00-1261)		
22 11 16 00-1263	EA		3/8" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing .....	14.29	
			<i>For Work In Restricted Working Space, Add</i>	3.19	
22 11 16 00-1264	EA		1/2" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing .....	15.43	
			<i>For Work In Restricted Working Space, Add</i>	3.40	
22 11 16 00-1265	EA		1/2" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing .....	16.98	
			<i>For Work In Restricted Working Space, Add</i>	3.61	
22 11 16 00-1266	EA		3/4" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing .....	17.70	
			<i>For Work In Restricted Working Space, Add</i>	3.83	
22 11 16 00-1267	EA		3/4" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing .....	16.98	
			<i>For Work In Restricted Working Space, Add</i>	3.61	
22 11 16 00-1268	EA		1" x 1", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing .....	22.89	
			<i>For Work In Restricted Working Space, Add</i>	4.25	
<b>22 11 16 00-1269</b>			<b>Female Adapters</b> (22 11 16 00-1261)		
22 11 16 00-1270	EA		1/2" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing .....	15.86	
			<i>For Work In Restricted Working Space, Add</i>	3.40	
22 11 16 00-1271	EA		1/2" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing .....	18.16	
			<i>For Work In Restricted Working Space, Add</i>	3.61	
22 11 16 00-1272	EA		3/4" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing .....	18.88	
			<i>For Work In Restricted Working Space, Add</i>	3.83	
22 11 16 00-1273	EA		3/4" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing .....	18.16	
			<i>For Work In Restricted Working Space, Add</i>	3.61	
22 11 16 00-1274	EA		1" x 1", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing .....	23.43	
			<i>For Work In Restricted Working Space, Add</i>	4.25	
<b>22 11 16 00-1275</b>			<b>Tube Adapters</b> (22 11 16 00-1261)		
22 11 16 00-1276	EA		3/8" x 1/2" Forged Brass Tube Adapter For PEX Tubing .....	12.55	
			<i>For Work In Restricted Working Space, Add</i>	3.19	
22 11 16 00-1277	EA		1/2" Forged Brass Tube Adapter For PEX Tubing .....	13.26	
			<i>For Work In Restricted Working Space, Add</i>	3.40	



<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 11</b>	<b>Facility Water Distribution</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1278	EA		3/4" Forged Brass Tube Adapter For PEX Tubing.....	16.31	
			<i>For Work In Restricted Working Space, Add</i>	3.83	
22 11 16 00-1279	EA		1" Forged Brass Tube Adapter For PEX Tubing.....	21.79	
			<i>For Work In Restricted Working Space, Add</i>	4.25	
<b>22 11 16 00-1280</b>			<b>Plugs</b> (22 11 16 00-1261)		
22 11 16 00-1281	EA		3/8" Forged Brass Plug For PEX Tubing.....	6.46	
			<i>For Work In Restricted Working Space, Add</i>	1.49	
22 11 16 00-1282	EA		1/2" Forged Brass Plug For PEX Tubing.....	7.16	
			<i>For Work In Restricted Working Space, Add</i>	1.70	
22 11 16 00-1283	EA		3/4" Forged Brass Plug For PEX Tubing.....	8.30	
			<i>For Work In Restricted Working Space, Add</i>	1.91	
22 11 16 00-1284	EA		1" Forged Brass Plug For PEX Tubing.....	10.64	
			<i>For Work In Restricted Working Space, Add</i>	2.12	
<b>22 11 16 00-1285</b>			<b>Tees</b> (22 11 16 00-1261)		
22 11 16 00-1286	EA		3/8" Forged Brass Tee For PEX Tubing.....	18.00	
			<i>For Work In Restricted Working Space, Add</i>	4.46	
22 11 16 00-1287	EA		1/2" Forged Brass Tee For PEX Tubing.....	20.12	
			<i>For Work In Restricted Working Space, Add</i>	5.10	
22 11 16 00-1288	EA		3/4" Forged Brass Tee For PEX Tubing.....	24.40	
			<i>For Work In Restricted Working Space, Add</i>	5.74	
22 11 16 00-1289	EA		1" Forged Brass Tee For PEX Tubing.....	32.54	
			<i>For Work In Restricted Working Space, Add</i>	6.37	
22 11 16 00-1290	EA		1/2" Forged Brass Reducing Tee For PEX Tubing.....	19.42	
			<i>For Work In Restricted Working Space, Add</i>	4.89	
22 11 16 00-1291	EA		3/4" Forged Brass Reducing Tee For PEX Tubing.....	22.99	
			<i>For Work In Restricted Working Space, Add</i>	5.31	
22 11 16 00-1292	EA		1" Forged Brass Reducing Tee For PEX Tubing.....	29.56	
			<i>For Work In Restricted Working Space, Add</i>	5.74	
<b>22 11 16 00-1293</b>			<b>Couplings</b> (22 11 16 00-1261)		
22 11 16 00-1294	EA		3/8" Forged Brass Coupling For PEX Tubing.....	11.53	
			<i>For Work In Restricted Working Space, Add</i>	2.98	
22 11 16 00-1295	EA		1/2" Forged Brass Coupling For PEX Tubing.....	13.04	
			<i>For Work In Restricted Working Space, Add</i>	3.40	
22 11 16 00-1296	EA		3/4" Forged Brass Coupling For PEX Tubing.....	15.00	
			<i>For Work In Restricted Working Space, Add</i>	3.83	
22 11 16 00-1297	EA		1" Forged Brass Coupling For PEX Tubing.....	18.90	
			<i>For Work In Restricted Working Space, Add</i>	4.25	
22 11 16 00-1298	EA		3/4" x 1/2" Forged Brass Reducing Coupling For PEX Tubing.....	14.28	
			<i>For Work In Restricted Working Space, Add</i>	3.61	
22 11 16 00-1299	EA		1" x 3/4" Forged Brass Reducing Coupling For PEX Tubing.....	18.19	
			<i>For Work In Restricted Working Space, Add</i>	4.04	
<b>22 11 16 00-1300</b>			<b>Fitting Reducers</b> (22 11 16 00-1261)		
22 11 16 00-1301	EA		3/8" x 1/2" Forged Brass Fitting Reducer For PEX Tubing.....	12.87	
			<i>For Work In Restricted Working Space, Add</i>	3.19	
22 11 16 00-1302	EA		1/2" Forged Brass Fitting Reducer For PEX Tubing.....	13.58	
			<i>For Work In Restricted Working Space, Add</i>	3.40	
22 11 16 00-1303	EA		3/4" Forged Brass Fitting Reducer For PEX Tubing.....	16.95	
			<i>For Work In Restricted Working Space, Add</i>	3.83	
22 11 16 00-1304	EA		1" Forged Brass Fitting Reducer For PEX Tubing.....	25.46	
			<i>For Work In Restricted Working Space, Add</i>	4.25	
<b>22 11 16 00-1305</b>			<b>90 Degree Elbows</b> (22 11 16 00-1261)		
22 11 16 00-1306	EA		3/8" Forged Brass 90 Degree Elbow For PEX Tubing.....	12.49	
			<i>For Work In Restricted Working Space, Add</i>	2.98	
22 11 16 00-1307	EA		1/2" Forged Brass 90 Degree Elbow For PEX Tubing.....	13.90	
			<i>For Work In Restricted Working Space, Add</i>	3.40	
22 11 16 00-1308	EA		3/4" Forged Brass 90 Degree Elbow For PEX Tubing.....	16.95	
			<i>For Work In Restricted Working Space, Add</i>	3.83	
22 11 16 00-1309	EA		3/4" x 1/2" Forged Brass 90 Degree Elbow For PEX Tubing.....	16.23	
			<i>For Work In Restricted Working Space, Add</i>	3.61	
22 11 16 00-1310	EA		1/2" Drop 90 Degree Elbow For PEX Tubing.....	20.60	
			<i>For Work In Restricted Working Space, Add</i>	3.40	
22 11 16 00-1311	EA		3/4" Forged Brass Drop 90 Degree Elbow For PEX Tubing.....	22.98	
			<i>For Work In Restricted Working Space, Add</i>	3.83	
22 11 16 00-1312	EA		3/4" x 1/2" Forged Brass Drop 90 Degree Elbow For PEX Tubing.....	22.26	
			<i>For Work In Restricted Working Space, Add</i>	3.61	
<b>22 11 19</b>			<b>Domestic Water Piping Specialties</b> (22 11)		
22 11 19 00-0001			Rubber Hose And Clamps (22 11 19)		
22 11 19 00-0002			General Purpose Hose (22 11 19 00-0001)		
			Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0003 LF 3/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	3.65	1.41
22 11 19 00-0004 LF 1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	4.16	1.41
22 11 19 00-0005 LF 5/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	4.85	1.41
22 11 19 00-0006 LF 3/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	4.88	1.41
22 11 19 00-0007 LF 1" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	6.25	2.12
22 11 19 00-0008 LF 1-1/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	9.48	2.12
22 11 19 00-0009 LF 1-1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	10.33	2.82
22 11 19 00-0010 LF 2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	18.26	2.82
<b>22 11 19 00-0011 Reinforced EPDM Water Hose Assembly</b> (22 11 19 00-0001)		
Note: Includes male/female camlock, 150 psi, synthetic fiber with steel wire helix reinforcement.		
22 11 19 00-0012 LF 1-1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	23.40	2.82
22 11 19 00-0013 LF 2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	27.44	2.82
22 11 19 00-0014 LF 3" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	38.51	3.47
22 11 19 00-0015 LF 4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	53.61	4.69
<b>22 11 19 00-0016 Chemical Resistant Rubber Hoses</b> (22 11 19 00-0001)		
22 11 19 00-0017 EA 50' x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose.....	994.92	158.10
22 11 19 00-0018 EA 50' x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose.....	1,439.61	158.10
<b>22 11 19 00-0019 Water Pump Hose</b> (22 11 19 00-0001)		
22 11 19 00-0020 EA 2" Inside Diameter, 20' Rubber Discharge Hose.....	225.38	43.11
22 11 19 00-0021 EA 2" Inside Diameter, 20' Rubber Intake Hose.....	236.14	43.11
<b>22 11 19 00-0022 Serrated Shank Nipple</b> (22 11 19 00-0001)		
Note: For use as medium pressure coupling.		
22 11 19 00-0023 EA 3/8" Inside Diameter Hose x 1/2" Male Pipe Thread Serrated Shank Nipple.....	15.63	3.53
22 11 19 00-0024 EA 1/2" Inside Diameter Hose x 5/8" Male Pipe Thread Serrated Shank Nipple.....	15.51	3.53
22 11 19 00-0025 EA 5/8" Inside Diameter Hose x 3/4" Male Pipe Thread Serrated Shank Nipple.....	15.51	3.53
22 11 19 00-0026 EA 3/4" Inside Diameter Hose x 1" Male Pipe Thread Serrated Shank Nipple.....	19.89	4.93
22 11 19 00-0027 EA 1" Inside Diameter Hose x 1-1/4" Male Pipe Thread Serrated Shank Nipple.....	21.04	4.93
22 11 19 00-0028 EA 1-1/4" Inside Diameter Hose x 1-1/2" Male Pipe Thread Serrated Shank Nipple.....	39.28	9.18
22 11 19 00-0029 EA 1-1/2" Inside Diameter Hose x 2" Male Pipe Thread Serrated Shank Nipple.....	48.53	11.29
<b>22 11 19 00-0030 Worm-Drive Hose Clamp</b> (22 11 19 00-0001)		
22 11 19 00-0031 EA 3/8" To 1" Diameter Worm Drive Hose Clamp.....	7.34	2.12
22 11 19 00-0032 EA 1/2" To 1-1/8" Diameter Worm Drive Hose Clamp.....	7.78	2.12
22 11 19 00-0033 EA 5/8" To 1-1/2" Diameter Worm Drive Hose Clamp.....	8.23	2.12
22 11 19 00-0034 EA 3/4" To 2" Diameter Worm Drive Hose Clamp.....	8.76	2.12
22 11 19 00-0035 EA 1" To 2-1/2" Diameter Worm Drive Hose Clamp.....	9.37	2.12
22 11 19 00-0036 EA 1-1/4" To 2-3/4" Diameter Worm Drive Hose Clamp.....	10.13	2.82
22 11 19 00-0037 EA 1-1/2" To 3" Diameter Worm Drive Hose Clamp.....	10.95	2.82
<b>22 11 19 00-0038 Trap Primer And Accessories</b> (22 11 19)		
<b>22 11 19 00-0039 Trap Primer</b> (22 11 19 00-0038)		
22 11 19 00-0040 EA 1/2" Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699).....	204.33	10.62
22 11 19 00-0041 EA 1/2" Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500).....	125.02	7.08
22 11 19 00-0042 EA 1/2" Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500).....	120.96	7.08
<b>22 11 19 00-0043 Trap Primer Distribution Unit</b> (22 11 19 00-0038)		
22 11 19 00-0044 EA Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U).....	100.50	14.16
Note: Can be used for two, three or four drains.		
22 11 19 00-0045 EA Copper Four Opening Trap Primer Distribution Unit (PPP DU-4).....	111.43	14.16
Note: Can be used for two, three or four drains.		
<b>22 11 19 00-0046 Trap Primer Manifold</b> (22 11 19 00-0038)		
22 11 19 00-0047 EA Two Outlet Manifold.....	163.42	19.05
22 11 19 00-0048 EA Four Outlet Manifold.....	249.27	21.67
22 11 19 00-0049 EA Six Outlet Manifold.....	333.49	22.94
22 11 19 00-0050 EA Eight Outlet Manifold.....	420.09	26.91
<b>22 11 19 00-0051 Sewage Air Release Valves</b> (22 11 19)		
<b>22 11 19 00-0052 Cast Iron, Sewage Air Release Valves</b> (22 11 19 00-0051)		
Note: Stainless steel float.		
22 11 19 00-0053 EA 2" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400).....	606.83	26.54
For Back Flush Attachment, Add		650.00



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0054	EA		3" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400).....	744.65	44.35
			<i>For Back Flush Attachment, Add</i>	650.00	
22 11 19 00-0055	EA		4" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400).....	944.26	55.99
			<i>For Back Flush Attachment, Add</i>	650.00	
<b>22 11 19 00-0056</b>			<b>Cast Iron, Sewage Air Vacuum Valves</b> (22 11 19 00-0051)		
			Note: Stainless steel float.		
22 11 19 00-0057	EA		2" x 1" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 401).....	620.02	26.54
			<i>For Back Flush Attachment, Add</i>	650.00	
22 11 19 00-0058	EA		2" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 402).....	1,216.63	26.54
			<i>For Back Flush Attachment, Add</i>	650.00	
22 11 19 00-0059	EA		3" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 403).....	1,459.93	44.35
			<i>For Back Flush Attachment, Add</i>	650.00	
22 11 19 00-0060	EA		4" NPT x 4" With Hood, Cast Iron, Sewage Air Vacuum Valve (Apco 404).....	2,162.21	55.99
<b>22 11 19 00-0061</b>			<b>Cast Iron, Sewage Combination Air Valves</b> (22 11 19 00-0051)		
			Note: Stainless steel float.		
22 11 19 00-0062	EA		2" x 1" NPT, Sewage Combination Air Valve (Apco 443).....	1,325.40	26.54
22 11 19 00-0063	EA		2" x 2" NPT, Sewage Combination Air Valve (Apco 445).....	1,828.07	26.54
22 11 19 00-0064	EA		3" x 3" NPT, Sewage Combination Air Valve (Apco 447).....	2,138.95	44.35
22 11 19 00-0065	EA		4" x 4" NPT, Sewage Combination Air Valve (Apco 449).....	2,615.43	55.99
<b>22 11 19 00-0066</b>			<b>Brass, Anti Siphon Vacuum Breakers</b> (22 11 19)		
			Note: Watts 288A		
22 11 19 00-0067	EA		1/2" Brass, Anti Siphon Vacuum Breaker.....	70.01	17.71
22 11 19 00-0068	EA		3/4" Brass, Anti Siphon Vacuum Breaker.....	80.64	19.82
22 11 19 00-0069	EA		1" Brass, Anti Siphon Vacuum Breaker.....	171.05	22.66
22 11 19 00-0070	EA		1-1/4" Brass, Anti Siphon Vacuum Breaker.....	275.28	26.20
22 11 19 00-0071	EA		1-1/2" Brass, Anti Siphon Vacuum Breaker.....	329.03	29.03
22 11 19 00-0072	EA		2" Brass, Anti Siphon Vacuum Breaker.....	484.04	35.40
22 11 19 00-0073	EA		2-1/2" Brass, Anti Siphon Vacuum Breaker.....	1,284.87	44.25
<b>22 11 19 00-0074</b>			<b>Polyvinyl Chloride (PVC) Vacuum Breakers</b> (22 11 19)		
			Note: 100 psi maximum, 140 degree F maximum.		
22 11 19 00-0075	EA		1/2" Polyvinyl Chloride (PVC) Vacuum Breaker With Vitron Seal (Plast-O-Matic VBM050V-PV).....	205.12	17.71
22 11 19 00-0076	EA		3/4" Polyvinyl Chloride (PVC) Vacuum Breaker With Vitron Seal (Plast-O-Matic VBM075V-PV).....	224.31	19.82
22 11 19 00-0077	EA		1" Polyvinyl Chloride (PVC) Vacuum Breaker With Vitron Seal (Plast-O-Matic VBM100V-PV).....	247.31	22.30
<b>22 11 19 00-0078</b>			<b>Anti Siphon Pressure Vacuum Breakers</b> (22 11 19)		
			Note: Watts 800M4QT		
22 11 19 00-0079	EA		1/2" Anti Siphon Pressure Type Vacuum Breaker.....	216.59	17.71
22 11 19 00-0080	EA		3/4" Anti Siphon Pressure Type Vacuum Breaker.....	188.00	19.82
22 11 19 00-0081	EA		1" Anti Siphon Pressure Type Vacuum Breaker.....	270.76	22.66
22 11 19 00-0082	EA		1-1/4" Anti Siphon Pressure Type Vacuum Breaker.....	494.62	26.20
22 11 19 00-0083	EA		1-1/2" Anti Siphon Pressure Type Vacuum Breaker.....	602.76	29.03
22 11 19 00-0084	EA		2" Anti Siphon Pressure Type Vacuum Breaker.....	606.65	35.40
<b>22 11 19 00-0085</b>			<b>Bellows Type Water Hammer Arrestors</b> (22 11 19)		
22 11 19 00-0086	EA		Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5005).....	201.01	8.47
22 11 19 00-0087	EA		>11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5010).....	395.08	10.25
22 11 19 00-0088	EA		>32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5020).....	580.76	10.25
22 11 19 00-0089	EA		>60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5030).....	1,425.18	10.25
22 11 19 00-0090	EA		>113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5040).....	1,606.04	10.25
22 11 19 00-0091	EA		>154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5050).....	1,968.85	10.25
<b>22 11 19 00-0092</b>			<b>Piston Type Water Hammer Arrestors</b> (22 11 19)		
<b>22 11 19 00-0093</b>			<b>Threaded Piston Type Water Hammer Arrestors</b> (22 11 19 00-0092)		
22 11 19 00-0094	EA		Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-A).....	121.51	4.72
22 11 19 00-0095	EA		>11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-B).....	235.03	5.44
22 11 19 00-0096	EA		>32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-C).....	350.29	5.90
22 11 19 00-0097	EA		>60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-D).....	864.85	7.61
22 11 19 00-0098	EA		>113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-E).....	1,053.28	9.44



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0099 EA >154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-F).....	1,198.76	10.25
<b>22 11 19 00-0100 Escutcheons (22 11 19)</b>		
<b>22 11 19 00-0101 Brass Escutcheons (22 11 19 00-0100)</b>		
<b>22 11 19 00-0102 Shallow Brass Escutcheons (22 11 19 00-0101)</b>		
22 11 19 00-0103 EA 3/8" IPS, Antique Or Polished Brass Shallow Escutcheon.....	9.36	1.77
22 11 19 00-0104 EA 1/2" IPS, Antique Or Polished Brass Shallow Escutcheon.....	10.20	1.77
<b>22 11 19 00-0105 Deep Bell Brass Escutcheons (22 11 19 00-0101)</b>		
22 11 19 00-0106 EA 3/8" IPS, Antique Or Polished Deep Bell Brass Escutcheon.....	11.28	1.99
22 11 19 00-0107 EA 1/2" IPS, Antique Or Polished Deep Bell Brass Escutcheon.....	11.31	1.99
<b>22 11 19 00-0108 Chrome Plated Brass Escutcheons With Setscrew (22 11 19 00-0101)</b>		
22 11 19 00-0109 EA 3/8" IPS, Chrome Plated Brass Escutcheon With Setscrew .....	14.49	1.77
22 11 19 00-0110 EA 1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew .....	14.64	1.77
22 11 19 00-0111 EA 5/8" IPS, Chrome Plated Brass Escutcheon With Setscrew .....	14.88	1.77
22 11 19 00-0112 EA 3/4" IPS, Chrome Plated Brass Escutcheon With Setscrew .....	15.72	1.77
22 11 19 00-0113 EA 7/8" IPS, Chrome Plated Brass Escutcheon With Setscrew .....	15.95	2.13
22 11 19 00-0114 EA 1" IPS, Chrome Plated Brass Escutcheon With Setscrew .....	16.77	2.13
22 11 19 00-0115 EA 1-1/4" IPS, Chrome Plated Brass Escutcheon With Setscrew .....	17.37	2.34
22 11 19 00-0116 EA 1-1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew .....	18.14	2.48
22 11 19 00-0117 EA 2" IPS, Chrome Plated Brass Escutcheon With Setscrew .....	26.19	2.83
<b>22 11 19 00-0118 Plastic Escutcheons (22 11 19 00-0100)</b>		
<b>22 11 19 00-0119 Split-Ring White Plastic Escutcheons (22 11 19 00-0118)</b>		
22 11 19 00-0120 EA 3/8" IPS, Split-Ring White Plastic Escutcheon.....	3.77	1.77
22 11 19 00-0121 EA 1/2" IPS, Split-Ring White Plastic Escutcheon.....	3.77	1.77
22 11 19 00-0122 EA 3/4" IPS, Split-Ring White Plastic Escutcheon.....	4.24	1.98
22 11 19 00-0123 EA 1" IPS, Split-Ring White Plastic Escutcheon.....	4.61	2.12
22 11 19 00-0124 EA 1-1/4" IPS, Split-Ring White Plastic Escutcheon.....	4.98	2.33
22 11 19 00-0125 EA 1-1/2" IPS, Split-Ring White Plastic Escutcheon.....	5.35	2.47
22 11 19 00-0126 EA 2" IPS, Split-Ring White Plastic Escutcheon.....	6.10	2.82
22 11 19 00-0127 EA 2-1/2" IPS, Split-Ring White Plastic Escutcheon.....	6.96	3.04
22 11 19 00-0128 EA 3" IPS, Split-Ring White Plastic Escutcheon.....	7.82	3.18
22 11 19 00-0129 EA 4" IPS, Split-Ring White Plastic Escutcheon.....	9.03	3.53
<b>22 11 19 00-0130 Chrome Plate Plastic Escutcheons (22 11 19 00-0118)</b>		
22 11 19 00-0131 EA 1/2" IPS, Chrome Plate Plastic Escutcheon.....	4.19	1.77
22 11 19 00-0132 EA 3/4" IPS, Chrome Plate Plastic Escutcheon.....	4.60	1.98
22 11 19 00-0133 EA 1" IPS, Chrome Plate Plastic Escutcheon.....	5.07	2.12
22 11 19 00-0134 EA 1-1/4" IPS, Chrome Plate Plastic Escutcheon .....	5.55	2.33
22 11 19 00-0135 EA 1-1/2" IPS, Chrome Plate Plastic Escutcheon .....	5.92	2.47
22 11 19 00-0136 EA 2" IPS, Chrome Plate Plastic Escutcheon.....	7.07	2.82
22 11 19 00-0137 EA 2-1/2" IPS, Chrome Plate Plastic Escutcheon .....	8.71	3.04
22 11 19 00-0138 EA 3" IPS, Chrome Plate Plastic Escutcheon.....	9.11	3.18
22 11 19 00-0139 EA 4" IPS, Chrome Plate Plastic Escutcheon.....	9.92	3.53
<b>22 11 19 00-0140 Stainless Steel Escutcheons (22 11 19 00-0100)</b>		
<b>22 11 19 00-0141 Shallow Stainless Steel Escutcheons (22 11 19 00-0140)</b>		
22 11 19 00-0142 EA 3/8" IPS, Shallow Stainless Steel Escutcheon.....	10.71	1.77
22 11 19 00-0143 EA 1/2" IPS, Shallow Stainless Steel Escutcheon.....	10.71	1.77
22 11 19 00-0144 EA 3/4" IPS, Shallow Stainless Steel Escutcheon.....	15.17	1.99
<b>22 11 19 00-0145 Chrome Plated Steel Escutcheons (22 11 19 00-0100)</b>		
<b>22 11 19 00-0146 Split-Ring Chrome Plated Steel Escutcheons (22 11 19 00-0145)</b>		
22 11 19 00-0147 EA 1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	4.01	1.77
22 11 19 00-0148 EA 3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	4.36	1.98
22 11 19 00-0149 EA 1" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	4.80	2.12
22 11 19 00-0150 EA 1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon .....	5.15	2.33
22 11 19 00-0151 EA 1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon .....	5.50	2.47
22 11 19 00-0152 EA 2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	6.36	2.82
22 11 19 00-0153 EA 2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon .....	9.94	3.04
22 11 19 00-0154 EA 3" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	10.55	3.18
22 11 19 00-0155 EA 3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	13.15	3.39
22 11 19 00-0156 EA 4" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	11.49	3.53
22 11 19 00-0157 EA 5" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	15.00	3.88
22 11 19 00-0158 EA 6" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	17.58	4.23



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0159			<b>Split-Ring/Springs Chrome Plated Steel Escutcheons</b> (22 11 19 00-0145)		
22 11 19 00-0160	EA		3/8" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	6.71	1.77
22 11 19 00-0161	EA		1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	6.71	1.77
22 11 19 00-0162	EA		3/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	7.16	1.98
22 11 19 00-0163	EA		1" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	7.21	2.12
22 11 19 00-0164	EA		1-1/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	8.57	2.33
22 11 19 00-0165	EA		1-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	9.05	2.47
22 11 19 00-0166	EA		2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	10.77	2.82
22 11 19 00-0167	EA		2-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	12.46	3.04
22 11 19 00-0168	EA		3" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	15.36	3.18
22 11 19 00-0169	EA		3-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	19.03	3.39
22 11 19 00-0170	EA		4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	19.28	3.53
22 11 19 00-0171	EA		5" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	32.38	3.88
22 11 19 00-0172	EA		6" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	33.75	4.23
22 11 19 00-0173			<b>Deep Bell Chrome Plated Steel Escutcheons</b> (22 11 19 00-0145)		
22 11 19 00-0174	EA		3/8" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	4.94	1.99
22 11 19 00-0175	EA		1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	4.86	1.99
22 11 19 00-0176	EA		3/4" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	4.70	1.99
22 11 19 00-0177	EA		1" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	5.25	2.13
22 11 19 00-0178	EA		1-1/4" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	5.72	2.34
22 11 19 00-0179	EA		1-1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	6.30	2.48
22 11 19 00-0180			<b>Shallow Chrome Plated Steel Escutcheons</b> (22 11 19 00-0145)		
22 11 19 00-0181	EA		3/8" IPS, Shallow Chrome Plated Steel Escutcheon.....	4.38	1.77
22 11 19 00-0182	EA		1/2" IPS, Shallow Chrome Plated Steel Escutcheon.....	4.38	1.77
22 11 19 00-0183	EA		3/4" IPS, Shallow Chrome Plated Steel Escutcheon.....	4.46	1.77
22 11 19 00-0184	EA		1" IPS, Shallow Chrome Plated Steel Escutcheon.....	4.78	2.13
22 11 19 00-0185	EA		1-1/4" IPS, Shallow Chrome Plated Steel Escutcheon.....	5.18	2.34
22 11 19 00-0186	EA		1-1/2" IPS, Shallow Chrome Plated Steel Escutcheon.....	5.76	2.48
22 11 19 00-0187	EA		2" IPS, Shallow Chrome Plated Steel Escutcheon.....	6.51	2.83
22 11 19 00-0188			<b>Keyed, Recessed Valve Boxes</b> (22 11 19)		
22 11 19 00-0189	EA		8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box.....	207.73	21.16
22 11 19 00-0190	EA		8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box.....	231.36	21.16
22 11 19 00-0191	EA		8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box.....	266.80	21.16
22 11 19 00-0192	EA		12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box.....	257.28	28.22
22 11 19 00-0193	EA		12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box.....	292.73	28.22
22 11 19 00-0194	EA		12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box.....	303.36	28.22
22 11 19 00-0195	EA		8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box.....	245.54	21.16
22 11 19 00-0196	EA		8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box.....	297.52	21.16
22 11 19 00-0197	EA		8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box.....	343.60	21.16
22 11 19 00-0198	EA		12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box.....	323.45	28.22
22 11 19 00-0199	EA		12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box.....	369.53	28.22
22 11 19 00-0200	EA		12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box.....	387.25	28.22
22 11 19 00-0201			<b>Wall Hydrants</b> (22 11 19)		
			Note: Female inlet connection, 3/4" hose thread outlet.		
22 11 19 00-0202			<b>Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker</b>		
			<b>Wall Hydrants</b> (22 11 19 00-0201)		
			Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0203	EA		6" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	626.97	17.71
			For Cast Bronze Box, Add	32.92	
			For 1" NPT Outlet, Add	77.59	
22 11 19 00-0204	EA		12" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	658.17	21.24
			For Cast Bronze Box, Add	32.92	
			For 1" NPT Outlet, Add	77.59	
22 11 19 00-0205	EA		18" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	672.67	25.56
			For Cast Bronze Box, Add	32.92	
			For 1" NPT Outlet, Add	77.59	
22 11 19 00-0206			<b>Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants</b>		
			(22 11 19 00-0201)		
			Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0207	EA		Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	613.04	29.74
			For Cast Bronze Box, Add	32.92	
			For 1" NPT Outlet, Add	77.59	
22 11 19 00-0208			<b>Cast Bronze Non-Freezing Wall Hydrant</b>		
			(22 11 19 00-0201)		
			Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0209	EA		3" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	323.29	21.95
			For 1" NPT Outlet, Add	77.59	
22 11 19 00-0210	EA		4" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	406.64	21.95
			For 1" NPT Outlet, Add	77.59	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0211	EA	6" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant <i>For 1" NPT Outlet, Add</i>	406.64 <i>77.59</i>	21.95
22 11 19 00-0212	EA	8" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant <i>For 1" NPT Outlet, Add</i>	406.64 <i>77.59</i>	21.95
22 11 19 00-0213	EA	10" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant <i>For 1" NPT Outlet, Add</i>	426.04 <i>77.59</i>	44.25
22 11 19 00-0214	EA	12" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant <i>For 1" NPT Outlet, Add</i>	426.04 <i>77.59</i>	44.25
22 11 19 00-0215	EA	18" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant <i>For 1" NPT Outlet, Add</i>	484.06 <i>77.59</i>	44.25
<b>22 11 19 00-0216</b>		<b>Stainless Steel Box Type Wall Hydrants</b> <small>(22 11 19 00-0201)</small> Note: With 3/4" NPT female and 3/4" NPT male inlet connection.		
22 11 19 00-0217	EA	Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8140).....	303.54	17.71
22 11 19 00-0218	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8141).....	332.62	17.71
22 11 19 00-0219	EA	Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8150).....	336.58	17.71
22 11 19 00-0220	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8151).....	380.20	17.71
22 11 19 00-0221	EA	Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8145)..... Note: Includes hot and cold hose connections.	538.72	24.78
22 11 19 00-0222	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8146)..... Note: Includes hot and cold hose connections.	555.90	24.78
22 11 19 00-0223	EA	Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8155)..... Note: Includes hot and cold hose connections.	555.90	24.78
22 11 19 00-0224	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8156)..... Note: Includes hot and cold hose connections.	596.88	24.78
<b>22 11 19 00-0225</b>		<b>Washer Boxes And Dryer Outlets</b> <small>(22 11 19)</small>		
<b>22 11 19 00-0226</b>		<b>Dryer Vent Kit</b> <small>(22 11 19 00-0225)</small> Note: Includes 4" flexible tubing plastic hood clamps and tailpipe.		
22 11 19 00-0227	EA	Dryer Vent Kit With Hood, 4" x 5' Flexible Vent And Clamps.....	54.60	9.20
<b>22 11 19 00-0228</b>		<b>Washer Boxes And Dryer Vents</b> <small>(22 11 19 00-0225)</small> Note: Includes 1/2" supply valves and mounting brackets.		
22 11 19 00-0229	EA	2" Washing Machine Outlet Box, Plastic, Two 1/2" Supply Valves.....	181.96	14.16
<b>22 11 19 00-0230</b>		<b>Ice Maker Outlet Box</b> <small>(22 11 19)</small> Note: Includes one 1/2" quarter turn ball valve and connections wall mount.		
22 11 19 00-0231	EA	Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount.....	94.49	14.16
22 11 19 00-0232	EA	Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve With Water Hammer Arrestor, Wall Mount.....	122.25	14.16
22 11 19 00-0233	EA	Steel Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount.....	137.54	14.16
<b>22 11 19 00-0234</b>		<b>Tempering Controllers For Potable Hot Water</b> <small>(22 11 19)</small>		
<b>22 11 19 00-0235</b>		<b>Point-Of-Use Thermostatic Mixing Valves (Bradley)</b> <small>(22 11 19 00-0234)</small> Note: Point-of-Use Water Tempering Valves: ASSE 1016, or 1070, with piston-control mechanism, positive shutoff of hot water when cold water supply is lost, bronze body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner.		
22 11 19 00-0236	EA	1/2" Inlets, 1/2" Outlet Sink/Faucet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-2007).....	325.14	17.60
22 11 19 00-0237	EA	1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4004).....	152.73	17.60
22 11 19 00-0238	EA	1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4008).....	184.18	17.60
22 11 19 00-0239	EA	3/4" Inlets, 3/4" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4016).....	211.00	23.70
<b>22 11 19 00-0240</b>		<b>Thermostatic Mixing Valves (Bradley)</b> <small>(22 11 19 00-0234)</small> Note: Standard Thermostatic, Water Mixing Valves: ASSE 1017, liquid-filled motor and piston control mechanism with positive shutoff of hot water when coldwater supply is lost. Water flow is shut off in event of thermostat failure. Bronze valve body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. Equipped with integral check stops and removable strainers.		
22 11 19 00-0241	EA	3/4" Inlets, 3/4" Outlet, 25 GPM Thermostatic Mixing Valve (Bradley S59-2025).....	885.82	25.37
22 11 19 00-0242	EA	3/4" Inlets, 1" Outlet, 45 GPM Thermostatic Mixing Valve (Bradley S59-2045).....	993.92	31.25
22 11 19 00-0243	EA	1" Inlets, 1-1/4" Outlet, 80 GPM Thermostatic Mixing Valve (Bradley S59-2080).....	1,195.05	36.35
22 11 19 00-0244	EA	1-1/4" Inlets, 1-1/2" Outlet, 130 GPM Thermostatic Mixing Valve (Bradley S59-2130).....	1,550.27	38.21
22 11 19 00-0245	EA	2" Inlets, 2" Outlet, 220 GPM Thermostatic Mixing Valve (Bradley S59-2200).....	2,081.53	49.58
<b>22 11 19 00-0246</b>		<b>High Low Temperature Thermostatic Mixing Valves (Bradley)</b> <small>(22 11 19 00-0234)</small> Note: High Low Temperature Thermostatic Mixing Valves: ASSE 1017, liquid-filled thermal motor and piston control mechanism with positive shutoff of hot water when cold water supply is lost, and allowing restricted cold flow in event of loss or interruption of hot water supply. Flow is shut off in the event of thermostat failure. Equipped with integral check stops, thermometer, and removable strainers.		
22 11 19 00-0247	EA	3/4" Inlets, 1" Outlet, 45 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3045).....	2,261.45	39.08
22 11 19 00-0248	EA	1" Inlets, 1-1/4" Outlet, 80 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3080).....	2,944.09	45.44
22 11 19 00-0249	EA	1-1/4" Inlets, 1-1/2" Outlet, 130 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3130).....	3,434.19	47.76
22 11 19 00-0250	EA	2" Inlets, 2" Outlet, 220 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3200).....	3,803.43	61.96



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0251			<b>Thermostatic Mixing Valves (Leonard)</b> <small>(22 11 19 00-0234)</small> Note: Thermostatic Water Mixing Valve with Integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection		
22 11 19 00-0252	EA		3/4" In x 3/4" Out Thermostatic Mixing Valve (Leonard LV-981-RF).....	641.81	25.37
			Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0253	EA		1" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-982-RF).....	755.46	31.25
			Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0254	EA		1-1/4" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-983-RF).....	928.71	36.35
			Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0255	EA		1-1/4" In x 1-1/2" Out Thermostatic Mixing Valve (Leonard LV-984-RF).....	1,136.23	38.23
			Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0256	EA		2" In x 2" Out Thermostatic Mixing Valve (Leonard LV-985-RF).....	1,688.86	49.58
			Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0257			<b>Water Mixing/Self Operating Temperature Regulator</b> <small>(22 11 19 00-0234)</small> Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube.		
22 11 19 00-0258	EA		3/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	2,895.54	35.40
22 11 19 00-0259	EA		1" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	3,051.55	44.61
22 11 19 00-0260	EA		1-1/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	3,349.16	53.82
22 11 19 00-0261	EA		1-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	3,676.52	63.02
22 11 19 00-0262	EA		2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	4,393.19	82.84
22 11 19 00-0263	EA		2-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	5,218.27	94.45
22 11 19 00-0264			<b>Thermostatic Mixing Valves (Holby)</b> <small>(22 11 19 00-0234)</small>		
22 11 19 00-0265	EA		2-1/2" Thermostatic Mixing Valve (Holby HOLBY2500).....	2,969.12	49.59
22 11 19 00-0266			<b>Backflow Preventer Valves</b> <small>(22 11 19)</small>		
22 11 19 00-0267			<b>Double Check Valve Backflow Preventer Assemblies</b> <small>(22 11 19 00-0266)</small>		
22 11 19 00-0268			<b>Threaded Double Check Valve Assemblies</b> <small>(22 11 19 00-0267)</small>		
22 11 19 00-0269			<b>Double Check Valve Assemblies With Quarter Turn Shut-Offs</b> <small>(22 11 19 00-0268)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series).		
22 11 19 00-0270	EA		1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series).....	283.57	18.98
			<i>For Work In Restricted Working Space, Add</i>	14.23	
			<i>For Owner Furnished Material, Deduct</i>	-236.13	
22 11 19 00-0271	EA		3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series).....	333.84	26.91
			<i>For Work In Restricted Working Space, Add</i>	20.18	
			<i>For Owner Furnished Material, Deduct</i>	-266.57	
22 11 19 00-0272	EA		1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series).....	384.59	32.85
			<i>For Work In Restricted Working Space, Add</i>	24.64	
			<i>For Owner Furnished Material, Deduct</i>	-302.45	
22 11 19 00-0273	EA		1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series).....	539.93	38.24
			<i>For Work In Restricted Working Space, Add</i>	28.68	
			<i>For Owner Furnished Material, Deduct</i>	-444.34	
22 11 19 00-0274	EA		1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series).....	669.33	43.90
			<i>For Work In Restricted Working Space, Add</i>	32.71	
			<i>For Owner Furnished Material, Deduct</i>	-560.29	
22 11 19 00-0275	EA		2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series).....	769.77	56.65
			<i>For Work In Restricted Working Space, Add</i>	42.49	
			<i>For Owner Furnished Material, Deduct</i>	-628.15	
22 11 19 00-0276			<b>Double Check Valve Assemblies With Quarter Turn Shut-Offs And Strainer</b> <small>(22 11 19 00-0268)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).		
22 11 19 00-0277	EA		1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	351.14	18.98
			<i>For Work In Restricted Working Space, Add</i>	14.23	
			<i>For Owner Furnished Material, Deduct</i>	-303.70	
22 11 19 00-0278	EA		3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	432.80	26.91
			<i>For Work In Restricted Working Space, Add</i>	20.18	
			<i>For Owner Furnished Material, Deduct</i>	-365.53	
22 11 19 00-0279	EA		1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	505.91	32.85
			<i>For Work In Restricted Working Space, Add</i>	24.64	
			<i>For Owner Furnished Material, Deduct</i>	-423.77	
22 11 19 00-0280	EA		1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	712.80	38.24
			<i>For Work In Restricted Working Space, Add</i>	28.68	
			<i>For Owner Furnished Material, Deduct</i>	-617.21	
22 11 19 00-0281	EA		1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	872.93	43.90
			<i>For Work In Restricted Working Space, Add</i>	32.71	
			<i>For Owner Furnished Material, Deduct</i>	-763.89	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0282	EA		2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	1,050.87	56.65
			<i>For Work In Restricted Working Space, Add</i>	42.49	
			<i>For Owner Furnished Material, Deduct</i>	-909.25	
<b>22 11 19 00-0283</b>			<b>Flanged Double Check Valve Assemblies</b> (22 11 19 00-0267)		
<b>22 11 19 00-0284</b>			<b>Double Check Valve Assemblies With Non-Rising Stem Shut-Offs</b> (22 11 19 00-0283)		
			Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 NRS series).		
22 11 19 00-0285	EA		2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS) .....	3,750.07	156.45
			<i>For Work In Restricted Working Space, Add</i>	62.58	
			<i>For Owner Furnished Material, Deduct</i>	-3,541.47	
22 11 19 00-0286	EA		3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS).....	4,120.32	176.01
			<i>For Work In Restricted Working Space, Add</i>	69.43	
			<i>For Owner Furnished Material, Deduct</i>	-3,888.90	
<b>22 11 19 00-0287</b>			<b>Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs</b> (22 11 19 00-0283)		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 OSY series).		
22 11 19 00-0288	EA		2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF007 OSY) .....	4,110.03	156.45
			<i>For Work In Restricted Working Space, Add</i>	62.58	
			<i>For Owner Furnished Material, Deduct</i>	-3,901.43	
22 11 19 00-0289	EA		3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY) .....	4,720.26	176.01
			<i>For Work In Restricted Working Space, Add</i>	69.43	
			<i>For Owner Furnished Material, Deduct</i>	-4,488.84	
<b>22 11 19 00-0290</b>			<b>Double Check Valve Assemblies With Non-Rising Stem Shut-Offs</b> (22 11 19 00-0283)		
			Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 NRS series).		
22 11 19 00-0291	EA		2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series).....	3,776.02	156.45
			<i>For Work In Restricted Working Space, Add</i>	62.58	
			<i>For Owner Furnished Material, Deduct</i>	-3,567.43	
22 11 19 00-0292	EA		3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series) .....	2,875.98	176.01
			<i>For Work In Restricted Working Space, Add</i>	69.43	
			<i>For Owner Furnished Material, Deduct</i>	-2,644.55	
22 11 19 00-0293	EA		4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series) .....	4,503.22	260.75
			<i>For Work In Restricted Working Space, Add</i>	104.24	
			<i>For Owner Furnished Material, Deduct</i>	-4,155.74	
22 11 19 00-0294	EA		6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series) .....	6,788.73	358.37
			<i>For Work In Restricted Working Space, Add</i>	194.21	
			<i>For Owner Furnished Material, Deduct</i>	-6,141.36	
22 11 19 00-0295	EA		8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series) .....	15,575.66	537.55
			<i>For Work In Restricted Working Space, Add</i>	291.36	
			<i>For Owner Furnished Material, Deduct</i>	-14,604.45	
22 11 19 00-0296	EA		10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series) .....	20,017.34	635.81
			<i>For Work In Restricted Working Space, Add</i>	346.81	
			<i>For Owner Furnished Material, Deduct</i>	-18,861.32	
<b>22 11 19 00-0297</b>			<b>Double Check Valve Assemblies With Non-Rising Stem Shut-Offs And Strainer</b> (22 11 19 00-0283)		
			Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).		
22 11 19 00-0298	EA		4" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA series) .....	5,263.42	260.75
			<i>For Work In Restricted Working Space, Add</i>	104.24	
			<i>For Owner Furnished Material, Deduct</i>	-4,915.97	
22 11 19 00-0299	EA		6" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA series) .....	8,699.17	358.37
			<i>For Work In Restricted Working Space, Add</i>	194.21	
			<i>For Owner Furnished Material, Deduct</i>	-8,051.80	
22 11 19 00-0300	EA		10" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA series) .....	23,276.55	635.81
			<i>For Work In Restricted Working Space, Add</i>	346.81	
			<i>For Owner Furnished Material, Deduct</i>	-22,120.53	
<b>22 11 19 00-0301</b>			<b>Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs</b> (22 11 19 00-0283)		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 OSY series).		
22 11 19 00-0302	EA		2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series) .....	4,011.52	156.45
			<i>For Work In Restricted Working Space, Add</i>	62.58	
			<i>For Owner Furnished Material, Deduct</i>	-3,802.93	
22 11 19 00-0303	EA		3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series) .....	4,407.75	176.01
			<i>For Work In Restricted Working Space, Add</i>	69.43	
			<i>For Owner Furnished Material, Deduct</i>	-4,176.33	
22 11 19 00-0304	EA		4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series) .....	4,778.98	260.75
			<i>For Work In Restricted Working Space, Add</i>	104.24	
			<i>For Owner Furnished Material, Deduct</i>	-4,431.53	
22 11 19 00-0305	EA		6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series) .....	7,961.32	358.37
			<i>For Work In Restricted Working Space, Add</i>	194.21	
			<i>For Owner Furnished Material, Deduct</i>	-7,313.95	





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0306	EA		8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series).....	16,549.33	537.55
			<i>For Work In Restricted Working Space, Add</i>	291.32	
			<i>For Owner Furnished Material, Deduct</i>	-15,578.27	
22 11 19 00-0307	EA		10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series).....	21,273.85	635.81
			<i>For Work In Restricted Working Space, Add</i>	346.81	
			<i>For Owner Furnished Material, Deduct</i>	-20,117.83	
<b>22 11 19 00-0308</b>			<b>Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs</b> <sup>(22 11 19 00-0283)</sup>		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).		
22 11 19 00-0309	EA		2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series).....	2,384.60	156.45
			<i>For Work In Restricted Working Space, Add</i>	62.58	
			<i>For Owner Furnished Material, Deduct</i>	-2,176.01	
22 11 19 00-0310	EA		3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series).....	2,625.16	176.01
			<i>For Work In Restricted Working Space, Add</i>	69.43	
			<i>For Owner Furnished Material, Deduct</i>	-2,393.74	
22 11 19 00-0311	EA		4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series).....	2,958.91	260.75
			<i>For Work In Restricted Working Space, Add</i>	104.24	
			<i>For Owner Furnished Material, Deduct</i>	-2,611.46	
22 11 19 00-0312	EA		6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series).....	4,730.76	358.37
			<i>For Work In Restricted Working Space, Add</i>	194.21	
			<i>For Owner Furnished Material, Deduct</i>	-4,083.39	
22 11 19 00-0313	EA		8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series).....	9,044.26	537.55
			<i>For Work In Restricted Working Space, Add</i>	291.32	
			<i>For Owner Furnished Material, Deduct</i>	-8,073.20	
22 11 19 00-0314	EA		10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series).....	9,794.91	635.81
			<i>For Work In Restricted Working Space, Add</i>	346.81	
			<i>For Owner Furnished Material, Deduct</i>	-8,638.89	
<b>22 11 19 00-0315</b>			<b>N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs</b> <sup>(22 11 19 00-0283)</sup>		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).		
22 11 19 00-0316	EA		2-1/2" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series).....	3,156.69	156.45
			<i>For Work In Restricted Working Space, Add</i>	62.58	
			<i>For Owner Furnished Material, Deduct</i>	-2,948.10	
22 11 19 00-0317	EA		3" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series).....	3,397.25	176.01
			<i>For Work In Restricted Working Space, Add</i>	69.43	
			<i>For Owner Furnished Material, Deduct</i>	-3,165.83	
22 11 19 00-0318	EA		4" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY series).....	4,249.11	260.75
			<i>For Work In Restricted Working Space, Add</i>	104.24	
			<i>For Owner Furnished Material, Deduct</i>	-3,901.66	
22 11 19 00-0319	EA		6" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series).....	6,890.60	358.37
			<i>For Work In Restricted Working Space, Add</i>	194.21	
			<i>For Owner Furnished Material, Deduct</i>	-6,243.23	
22 11 19 00-0320	EA		8" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series).....	12,245.37	537.55
			<i>For Work In Restricted Working Space, Add</i>	291.32	
			<i>For Owner Furnished Material, Deduct</i>	-11,274.31	
22 11 19 00-0321	EA		10" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series).....	14,571.77	635.81
			<i>For Work In Restricted Working Space, Add</i>	346.81	
			<i>For Owner Furnished Material, Deduct</i>	-13,415.75	
<b>22 11 19 00-0322</b>			<b>Double Check Valve Assemblies With Non-Rising Stem Shut-Off Valves</b> <sup>(22 11 19 00-0283)</sup>		
			Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).		
22 11 19 00-0323	EA		2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series).....	2,231.03	156.45
			<i>For Work In Restricted Working Space, Add</i>	62.58	
			<i>For Owner Furnished Material, Deduct</i>	-2,022.44	
22 11 19 00-0324	EA		3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series).....	2,478.57	176.01
			<i>For Work In Restricted Working Space, Add</i>	69.43	
			<i>For Owner Furnished Material, Deduct</i>	-2,247.15	
22 11 19 00-0325	EA		4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series).....	2,819.22	260.75
			<i>For Work In Restricted Working Space, Add</i>	104.24	
			<i>For Owner Furnished Material, Deduct</i>	-2,471.77	
22 11 19 00-0326	EA		6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series).....	4,621.02	358.37
			<i>For Work In Restricted Working Space, Add</i>	194.21	
			<i>For Owner Furnished Material, Deduct</i>	-3,973.65	
22 11 19 00-0327	EA		8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series).....	8,938.51	537.55
			<i>For Work In Restricted Working Space, Add</i>	291.32	
			<i>For Owner Furnished Material, Deduct</i>	-7,967.45	
22 11 19 00-0328	EA		10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series).....	10,090.18	635.81
			<i>For Work In Restricted Working Space, Add</i>	346.81	
			<i>For Owner Furnished Material, Deduct</i>	-8,934.16	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0329				<b>N-Pattern Double Check Valve Assemblies With Non-Rising Stem Shut-Offs</b> <small>(22 11 19 00-0283)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).		
22 11 19 00-0330	EA			2-1/2" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	2,938.38	156.45
				<i>For Work In Restricted Working Space, Add</i>	62.58	
				<i>For Owner Furnished Material, Deduct</i>	-2,729.79	
22 11 19 00-0331	EA			3" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	3,178.94	176.01
				<i>For Work In Restricted Working Space, Add</i>	69.43	
				<i>For Owner Furnished Material, Deduct</i>	-2,947.52	
22 11 19 00-0332	EA			4" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	4,031.07	260.75
				<i>For Work In Restricted Working Space, Add</i>	104.24	
				<i>For Owner Furnished Material, Deduct</i>	-3,683.62	
22 11 19 00-0333	EA			6" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	6,658.37	358.37
				<i>For Work In Restricted Working Space, Add</i>	194.21	
				<i>For Owner Furnished Material, Deduct</i>	-6,011.00	
22 11 19 00-0334	EA			8" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	11,893.86	537.55
				<i>For Work In Restricted Working Space, Add</i>	291.32	
				<i>For Owner Furnished Material, Deduct</i>	-10,922.80	
22 11 19 00-0335	EA			10" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	14,219.24	635.81
				<i>For Work In Restricted Working Space, Add</i>	346.81	
				<i>For Owner Furnished Material, Deduct</i>	-13,063.22	
22 11 19 00-0336				<b>Double Check Valve Assemblies With Butterfly Shut-Off Valves</b> <small>(22 11 19 00-0283)</small> Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).		
22 11 19 00-0337	EA			2-1/2" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	2,594.22	156.45
				<i>For Work In Restricted Working Space, Add</i>	62.58	
				<i>For Owner Furnished Material, Deduct</i>	-2,385.63	
22 11 19 00-0338	EA			3" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	2,834.78	176.01
				<i>For Work In Restricted Working Space, Add</i>	69.43	
				<i>For Owner Furnished Material, Deduct</i>	-2,603.36	
22 11 19 00-0339	EA			4" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	3,168.53	260.75
				<i>For Work In Restricted Working Space, Add</i>	104.24	
				<i>For Owner Furnished Material, Deduct</i>	-2,821.08	
22 11 19 00-0340	EA			6" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	4,945.66	358.37
				<i>For Work In Restricted Working Space, Add</i>	194.21	
				<i>For Owner Furnished Material, Deduct</i>	-4,298.29	
22 11 19 00-0341	EA			8" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	9,259.16	537.55
				<i>For Work In Restricted Working Space, Add</i>	291.32	
				<i>For Owner Furnished Material, Deduct</i>	-8,288.10	
22 11 19 00-0342				<b>N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs</b> <small>(22 11 19 00-0283)</small> Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series).		
22 11 19 00-0343	EA			2-1/2" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	3,366.31	156.45
				<i>For Work In Restricted Working Space, Add</i>	62.58	
				<i>For Owner Furnished Material, Deduct</i>	-3,157.72	
22 11 19 00-0344	EA			3" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	3,606.87	176.01
				<i>For Work In Restricted Working Space, Add</i>	69.43	
				<i>For Owner Furnished Material, Deduct</i>	-3,375.45	
22 11 19 00-0345	EA			4" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	4,458.73	260.75
				<i>For Work In Restricted Working Space, Add</i>	104.24	
				<i>For Owner Furnished Material, Deduct</i>	-4,111.28	
22 11 19 00-0346	EA			6" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	7,105.55	358.37
				<i>For Work In Restricted Working Space, Add</i>	194.21	
				<i>For Owner Furnished Material, Deduct</i>	-6,458.18	
22 11 19 00-0347	EA			8" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	9,259.16	537.55
				<i>For Work In Restricted Working Space, Add</i>	291.32	
				<i>For Owner Furnished Material, Deduct</i>	-8,288.10	
22 11 19 00-0348				<b>Grooved Double Check Valve Assemblies</b> <small>(22 11 19 00-0267)</small>		
22 11 19 00-0349				<b>Double Check Valve Assemblies With Quarter Turn Shut-Offs</b> <small>(22 11 19 00-0348)</small> Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series).		
22 11 19 00-0350	EA			2-1/2" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series).....	2,231.03	83.44
				<i>For Work In Restricted Working Space, Add</i>	62.58	
				<i>For Owner Furnished Material, Deduct</i>	-2,022.44	
22 11 19 00-0351	EA			3" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series).....	2,478.57	92.57
				<i>For Work In Restricted Working Space, Add</i>	69.43	
				<i>For Owner Furnished Material, Deduct</i>	-2,247.15	
22 11 19 00-0352				<b>N-Patten Double Check Valve Assemblies With Quarter Turn Shut-Offs</b> <small>(22 11 19 00-0348)</small> Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series).		
22 11 19 00-0353	EA			2-1/2" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series).....	2,938.38	83.44
				<i>For Work In Restricted Working Space, Add</i>	62.58	
				<i>For Owner Furnished Material, Deduct</i>	-2,729.79	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0354	EA		3" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series).....	3,178.94	92.57
			<i>For Work In Restricted Working Space, Add</i>	69.43	
			<i>For Owner Furnished Material, Deduct</i>	-2,947.52	
<b>22 11 19 00-0355</b>			<b>Reduced Pressure Zone Backflow Preventer Assemblies (22 11 19 00-0266)</b>		
<b>22 11 19 00-0356</b>			<b>Threaded Reduced Pressure Zone Assemblies (22 11 19 00-0355)</b>		
<b>22 11 19 00-0357</b>			<b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0356)</b>		
			Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
22 11 19 00-0358	EA		1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) .....	315.71	16.43
			<i>For Work In Restricted Working Space, Add</i>	12.32	
			<i>For Owner Furnished Material, Deduct</i>	-274.64	
22 11 19 00-0359	EA		3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) .....	333.30	18.13
			<i>For Work In Restricted Working Space, Add</i>	13.60	
			<i>For Owner Furnished Material, Deduct</i>	-287.98	
22 11 19 00-0360	EA		1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) .....	388.57	18.98
			<i>For Work In Restricted Working Space, Add</i>	14.23	
			<i>For Owner Furnished Material, Deduct</i>	-341.13	
22 11 19 00-0361	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series) .....	521.60	26.91
			<i>For Work In Restricted Working Space, Add</i>	20.18	
			<i>For Owner Furnished Material, Deduct</i>	-454.33	
22 11 19 00-0362	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) .....	618.69	32.85
			<i>For Work In Restricted Working Space, Add</i>	24.64	
			<i>For Owner Furnished Material, Deduct</i>	-536.55	
22 11 19 00-0363	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) .....	937.27	38.24
			<i>For Work In Restricted Working Space, Add</i>	28.68	
			<i>For Owner Furnished Material, Deduct</i>	-841.68	
22 11 19 00-0364	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) .....	990.31	43.90
			<i>For Work In Restricted Working Space, Add</i>	32.71	
			<i>For Owner Furnished Material, Deduct</i>	-881.27	
22 11 19 00-0365	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) .....	1,187.39	56.65
			<i>For Work In Restricted Working Space, Add</i>	42.49	
			<i>For Owner Furnished Material, Deduct</i>	-1,045.77	
<b>22 11 19 00-0366</b>			<b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer (22 11 19 00-0356)</b>		
			Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series).		
22 11 19 00-0367	EA		1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	348.96	16.43
			<i>For Work In Restricted Working Space, Add</i>	12.32	
			<i>For Owner Furnished Material, Deduct</i>	-307.89	
22 11 19 00-0368	EA		3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	368.34	18.13
			<i>For Work In Restricted Working Space, Add</i>	13.60	
			<i>For Owner Furnished Material, Deduct</i>	-323.02	
22 11 19 00-0369	EA		1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	436.59	26.91
			<i>For Work In Restricted Working Space, Add</i>	14.23	
			<i>For Owner Furnished Material, Deduct</i>	-389.15	
22 11 19 00-0370	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	597.06	26.91
			<i>For Work In Restricted Working Space, Add</i>	20.18	
			<i>For Owner Furnished Material, Deduct</i>	-529.79	
22 11 19 00-0371	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	713.04	32.85
			<i>For Work In Restricted Working Space, Add</i>	24.64	
			<i>For Owner Furnished Material, Deduct</i>	-630.90	
22 11 19 00-0372	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	1,065.96	38.24
			<i>For Work In Restricted Working Space, Add</i>	28.68	
			<i>For Owner Furnished Material, Deduct</i>	-970.37	
22 11 19 00-0373	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	1,171.91	43.90
			<i>For Work In Restricted Working Space, Add</i>	32.71	
			<i>For Owner Furnished Material, Deduct</i>	-1,062.87	
22 11 19 00-0374	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	1,410.19	56.65
			<i>For Work In Restricted Working Space, Add</i>	42.49	
			<i>For Owner Furnished Material, Deduct</i>	-1,268.57	
<b>22 11 19 00-0375</b>			<b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0356)</b>		
			Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).		
22 11 19 00-0376	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) .....	521.60	26.91
			<i>For Work In Restricted Working Space, Add</i>	20.18	
			<i>For Owner Furnished Material, Deduct</i>	-454.33	
22 11 19 00-0377	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series) .....	618.69	32.85
			<i>For Work In Restricted Working Space, Add</i>	24.64	
			<i>For Owner Furnished Material, Deduct</i>	-536.55	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0378	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	937.27	38.24
			<i>For Work In Restricted Working Space, Add</i>	28.68	
			<i>For Owner Furnished Material, Deduct</i>	-841.68	
22 11 19 00-0379	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	990.31	43.90
			<i>For Work In Restricted Working Space, Add</i>	32.71	
			<i>For Owner Furnished Material, Deduct</i>	-881.27	
22 11 19 00-0380	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	1,187.39	56.65
			<i>For Work In Restricted Working Space, Add</i>	42.49	
			<i>For Owner Furnished Material, Deduct</i>	-1,045.77	
22 11 19 00-0381			<b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer</b> <small>(22 11 19 00-0356)</small>		
			Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).		
22 11 19 00-0382	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	597.06	26.91
			<i>For Work In Restricted Working Space, Add</i>	20.18	
			<i>For Owner Furnished Material, Deduct</i>	-529.79	
22 11 19 00-0383	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	713.04	32.85
			<i>For Work In Restricted Working Space, Add</i>	24.64	
			<i>For Owner Furnished Material, Deduct</i>	-630.90	
22 11 19 00-0384	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,065.96	38.24
			<i>For Work In Restricted Working Space, Add</i>	28.68	
			<i>For Owner Furnished Material, Deduct</i>	-970.37	
22 11 19 00-0385	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,171.91	43.90
			<i>For Work In Restricted Working Space, Add</i>	32.71	
			<i>For Owner Furnished Material, Deduct</i>	-1,062.87	
22 11 19 00-0386	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,410.19	56.65
			<i>For Work In Restricted Working Space, Add</i>	42.49	
			<i>For Owner Furnished Material, Deduct</i>	-1,268.57	
22 11 19 00-0387			<b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs</b> <small>(22 11 19 00-0356)</small>		
			Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).		
22 11 19 00-0388	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT).....	1,082.09	26.91
			<i>For Work In Restricted Working Space, Add</i>	20.18	
			<i>For Owner Furnished Material, Deduct</i>	-1,014.82	
22 11 19 00-0389	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT).....	1,280.62	32.85
			<i>For Work In Restricted Working Space, Add</i>	24.64	
			<i>For Owner Furnished Material, Deduct</i>	-1,198.48	
22 11 19 00-0390	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT).....	1,973.18	38.24
			<i>For Work In Restricted Working Space, Add</i>	28.68	
			<i>For Owner Furnished Material, Deduct</i>	-1,877.59	
22 11 19 00-0391	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT).....	2,132.70	43.90
			<i>For Work In Restricted Working Space, Add</i>	32.71	
			<i>For Owner Furnished Material, Deduct</i>	-2,023.66	
22 11 19 00-0392	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT).....	2,472.80	56.65
			<i>For Work In Restricted Working Space, Add</i>	42.49	
			<i>For Owner Furnished Material, Deduct</i>	-2,331.18	
22 11 19 00-0393			<b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer</b> <small>(22 11 19 00-0356)</small>		
			Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts LF909 QT-S series).		
22 11 19 00-0394	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S).....	1,459.32	26.91
			<i>For Work In Restricted Working Space, Add</i>	20.18	
			<i>For Owner Furnished Material, Deduct</i>	-1,392.05	
22 11 19 00-0395	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S).....	1,734.55	32.85
			<i>For Work In Restricted Working Space, Add</i>	24.64	
			<i>For Owner Furnished Material, Deduct</i>	-1,652.41	
22 11 19 00-0396	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S).....	2,646.99	38.24
			<i>For Work In Restricted Working Space, Add</i>	28.68	
			<i>For Owner Furnished Material, Deduct</i>	-2,551.40	
22 11 19 00-0397	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S).....	2,891.08	43.90
			<i>For Work In Restricted Working Space, Add</i>	32.71	
			<i>For Owner Furnished Material, Deduct</i>	-2,782.04	
22 11 19 00-0398	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S).....	3,433.12	56.65
			<i>For Work In Restricted Working Space, Add</i>	42.49	
			<i>For Owner Furnished Material, Deduct</i>	-3,291.50	
22 11 19 00-0399			<b>Flanged Reduced Pressure Zone Assemblies</b> <small>(22 11 19 00-0355)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 11 19 00-0400</b> <b>Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs</b> <small>(22 11 19 00-0399)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 NRS series).		
22 11 19 00-0401    EA    2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series).....	3,448.30	156.45
For Work In Restricted Working Space, Add	62.58	
For Owner Furnished Material, Deduct	-3,239.70	
22 11 19 00-0402    EA    3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series).....	3,885.71	176.01
For Work In Restricted Working Space, Add	69.43	
For Owner Furnished Material, Deduct	-3,654.29	
<b>22 11 19 00-0403</b> <b>Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer</b> <small>(22 11 19 00-0399)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF009 NRS-S-FDA series).		
22 11 19 00-0404    EA    2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series).....	4,112.72	156.45
For Work In Restricted Working Space, Add	62.58	
For Owner Furnished Material, Deduct	-3,904.12	
22 11 19 00-0405    EA    3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series).....	4,657.58	176.01
For Work In Restricted Working Space, Add	69.43	
For Owner Furnished Material, Deduct	-4,426.16	
<b>22 11 19 00-0406</b> <b>Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs</b> <small>(22 11 19 00-0399)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 OSY series).		
22 11 19 00-0407    EA    2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series).....	3,702.61	156.45
For Work In Restricted Working Space, Add	62.58	
For Owner Furnished Material, Deduct	-3,494.01	
22 11 19 00-0408    EA    3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series).....	4,308.36	176.01
For Work In Restricted Working Space, Add	69.43	
For Owner Furnished Material, Deduct	-4,076.94	
<b>22 11 19 00-0409</b> <b>Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs And Strainer</b> <small>(22 11 19 00-0399)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies. (Watts LF009 OSY-S-FDA Series)		
22 11 19 00-0410    EA    2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series).....	4,112.72	156.45
For Work In Restricted Working Space, Add	62.58	
For Owner Furnished Material, Deduct	-3,904.12	
22 11 19 00-0411    EA    3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series).....	4,657.58	176.01
For Work In Restricted Working Space, Add	69.43	
For Owner Furnished Material, Deduct	-4,426.16	
<b>22 11 19 00-0412</b> <b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs</b> <small>(22 11 19 00-0399)</small> Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts LF009 QT-FDA series).		
22 11 19 00-0413    EA    2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series).....	4,566.71	156.45
For Work In Restricted Working Space, Add	62.58	
For Owner Furnished Material, Deduct	-4,358.11	
22 11 19 00-0414    EA    3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series).....	5,285.28	176.01
For Work In Restricted Working Space, Add	69.43	
For Owner Furnished Material, Deduct	-5,053.86	
<b>22 11 19 00-0415</b> <b>Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs</b> <small>(22 11 19 00-0399)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 NRS series).		
22 11 19 00-0416    EA    2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	5,929.56	156.45
For Work In Restricted Working Space, Add	62.58	
For Owner Furnished Material, Deduct	-5,720.97	
22 11 19 00-0417    EA    3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	6,736.80	176.01
For Work In Restricted Working Space, Add	69.43	
For Owner Furnished Material, Deduct	-6,505.37	
22 11 19 00-0418    EA    4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	8,479.87	260.75
For Work In Restricted Working Space, Add	104.24	
For Owner Furnished Material, Deduct	-8,132.39	
22 11 19 00-0419    EA    6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	12,722.46	358.37
For Work In Restricted Working Space, Add	271.91	
For Owner Furnished Material, Deduct	-11,816.09	
22 11 19 00-0420    EA    8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series).....	21,120.36	537.55
For Work In Restricted Working Space, Add	407.87	
For Owner Furnished Material, Deduct	-19,760.79	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0421	EA			10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	27,328.75 346.81 -26,172.73	635.81
<b>22 11 19 00-0422      Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Epoxy Coated Strainer</b> <small>(22 11 19 00-0399)</small>						
Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF909 NRS-S-FDA series).						
22 11 19 00-0423	EA			2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	6,390.71 62.58 -6,182.12	156.45
22 11 19 00-0424	EA			3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,222.12 69.43 -6,990.70	176.01
22 11 19 00-0425	EA			4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	9,223.95 104.24 -8,876.50	260.75
22 11 19 00-0426	EA			6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	13,864.06 194.21 -13,216.69	358.37
22 11 19 00-0427	EA			8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	22,461.04 291.32 -21,489.98	537.55
22 11 19 00-0428	EA			10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	30,503.51 346.81 -29,347.49	635.81
<b>22 11 19 00-0429      Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs</b> <small>(22 11 19 00-0399)</small>						
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 OSY series).						
22 11 19 00-0430	EA			2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	6,309.22 62.58 -6,100.63	156.45
22 11 19 00-0431	EA			3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,171.99 69.43 -6,940.56	176.01
22 11 19 00-0432	EA			4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	9,020.71 104.24 -8,673.23	260.75
22 11 19 00-0433	EA			6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	13,251.88 194.21 -12,604.51	358.37
22 11 19 00-0434	EA			8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	22,049.85 291.32 -21,078.79	537.55
22 11 19 00-0435	EA			10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	29,072.62 346.81 -27,916.60	635.81
22 11 19 00-0436				<b>Double Check Detector Assemblies</b> <small>(22 11 19 00-0266)</small>		
22 11 19 00-0437				<b>Flanged Double Check Detector Assemblies With Meter</b> <small>(22 11 19 00-0436)</small>		
22 11 19 00-0438				<b>Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter</b> <small>(22 11 19 00-0437)</small>		
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).						
22 11 19 00-0439	EA			3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,729.26 69.43 -4,497.84	176.01
22 11 19 00-0440	EA			4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,949.65 104.24 -4,602.20	260.75
22 11 19 00-0441	EA			6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	6,623.49 194.21 -5,976.12	358.37



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0442 EA 8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series) .....	11,773.25	537.55
For Work In Restricted Working Space, Add	291.32	
For Owner Furnished Material, Deduct	-10,802.19	
22 11 19 00-0443 EA 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series) .....	15,918.96	635.81
For Work In Restricted Working Space, Add	346.81	
For Owner Furnished Material, Deduct	-14,762.94	
<b>22 11 19 00-0444 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter</b> <small>(22 11 19 00-0437)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).		
22 11 19 00-0445 EA 2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series) .....	3,540.76	156.45
For Work In Restricted Working Space, Add	62.58	
For Owner Furnished Material, Deduct	-3,332.16	
22 11 19 00-0446 EA 3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series) .....	3,781.08	176.01
For Work In Restricted Working Space, Add	69.43	
For Owner Furnished Material, Deduct	-3,549.66	
22 11 19 00-0447 EA 4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series) .....	4,119.98	260.75
For Work In Restricted Working Space, Add	104.24	
For Owner Furnished Material, Deduct	-3,772.53	
22 11 19 00-0448 EA 6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series) .....	5,545.96	358.37
For Work In Restricted Working Space, Add	194.21	
For Owner Furnished Material, Deduct	-4,898.59	
22 11 19 00-0449 EA 8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series) .....	9,825.71	537.55
For Work In Restricted Working Space, Add	291.32	
For Owner Furnished Material, Deduct	-8,854.65	
22 11 19 00-0450 EA 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series) .....	11,585.61	635.81
For Work In Restricted Working Space, Add	346.81	
For Owner Furnished Material, Deduct	-10,429.59	
<b>22 11 19 00-0451 Double Check Detector Assembly With Butterfly Valves And Meter</b> <small>(22 11 19 00-0437)</small> Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).		
22 11 19 00-0452 EA 2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) .....	3,750.42	156.45
For Work In Restricted Working Space, Add	62.58	
For Owner Furnished Material, Deduct	-3,541.82	
22 11 19 00-0453 EA 3" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) .....	3,990.75	176.01
For Work In Restricted Working Space, Add	69.43	
For Owner Furnished Material, Deduct	-3,759.33	
22 11 19 00-0454 EA 4" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) .....	4,329.61	260.75
For Work In Restricted Working Space, Add	104.24	
For Owner Furnished Material, Deduct	-3,982.16	
22 11 19 00-0455 EA 6" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) .....	5,760.87	358.37
For Work In Restricted Working Space, Add	194.21	
For Owner Furnished Material, Deduct	-5,113.50	
22 11 19 00-0456 EA 8" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) .....	9,567.87	537.55
For Work In Restricted Working Space, Add	291.32	
For Owner Furnished Material, Deduct	-8,596.81	
<b>22 11 19 00-0457 Flanged Double Check Detector Assemblies Without Meter</b> <small>(22 11 19 00-0436)</small>		
<b>22 11 19 00-0458 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter</b> <small>(22 11 19 00-0457)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).		
22 11 19 00-0459 EA 2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) .....	3,474.56	156.45
For Work In Restricted Working Space, Add	62.58	
22 11 19 00-0460 EA 3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) .....	3,714.91	176.01
For Work In Restricted Working Space, Add	69.43	
22 11 19 00-0461 EA 4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) .....	4,053.81	260.75
For Work In Restricted Working Space, Add	104.24	
22 11 19 00-0462 EA 6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) .....	5,479.79	358.37
For Work In Restricted Working Space, Add	194.21	
22 11 19 00-0463 EA 8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) .....	9,759.58	537.55
For Work In Restricted Working Space, Add	291.32	
22 11 19 00-0464 EA 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series) .....	11,519.39	635.81
For Work In Restricted Working Space, Add	346.81	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0465				<b>Double Check Detector Assembly With Butterfly Valves Less Meter</b> <small>(22 11 19 00-0457)</small>		
				Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).		
22 11 19 00-0466	EA			2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series).....	3,684.21	156.45
				<i>For Work In Restricted Working Space, Add</i>	62.58	
22 11 19 00-0467	EA			3" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series).....	3,924.53	176.01
				<i>For Work In Restricted Working Space, Add</i>	69.43	
22 11 19 00-0468	EA			4" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series).....	4,263.43	260.75
				<i>For Work In Restricted Working Space, Add</i>	104.24	
22 11 19 00-0469	EA			6" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series).....	5,694.65	358.37
				<i>For Work In Restricted Working Space, Add</i>	194.21	
22 11 19 00-0470	EA			8" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series).....	9,974.49	537.55
				<i>For Work In Restricted Working Space, Add</i>	291.32	
22 11 19 00-0471				<b>Backflow Preventer Accessories</b> <small>(22 11 19 00-0266)</small>		
22 11 19 00-0472				<b>Air Gap</b> <small>(22 11 19 00-0471)</small>		
22 11 19 00-0473	EA			Up To 1" Diameter Air Gap For Backflow Preventer.....	80.55	8.85
22 11 19 00-0474	EA			1-1/4" To 2" Diameter Air Gap For Backflow Preventer.....	99.15	10.62
22 11 19 00-0475	EA			2-1/2" To 3" Diameter Air Gap For Backflow Preventer.....	186.90	14.16
22 11 19 00-0476	EA			4" To 6" Diameter Air Gap For Backflow Preventer.....	370.10	24.78
22 11 19 00-0477	EA			8" To 10" Diameter Air Gap For Backflow Preventer.....	391.35	35.40
22 11 19 00-0478				<b>Brass Test Cocks</b> <small>(22 11 19 00-0471)</small>		
22 11 19 00-0479	EA			1/8" Or 1/4" Brass Test Cock.....	32.79	3.54
22 11 19 00-0480				<b>Backflow Valve Enclosures</b> <small>(22 11 19 00-0266)</small>		
22 11 19 00-0481				<b>Flip-Top, Insulated Fiberglass Valve Enclosures</b> <small>(22 11 19 00-0480)</small>		
				Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0482	EA			19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	723.60	63.72
				<i>For Heated Enclosure, Add</i>	92.61	
22 11 19 00-0483	EA			27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	896.35	63.72
				<i>For Heated Enclosure, Add</i>	118.52	
22 11 19 00-0484	EA			27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	1,146.29	58.67
				<i>For Heated Enclosure, Add</i>	157.28	
22 11 19 00-0485	EA			33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	1,183.39	78.23
				<i>For Heated Enclosure, Add</i>	157.95	
22 11 19 00-0486	EA			39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	1,241.98	78.23
				<i>For Heated Enclosure, Add</i>	166.74	
22 11 19 00-0487	EA			47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	1,470.31	78.23
				<i>For Heated Enclosure, Add</i>	200.99	
22 11 19 00-0488	EA			39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	1,476.32	78.23
				<i>For Heated Enclosure, Add</i>	201.89	
22 11 19 00-0489	EA			47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	1,865.37	78.23
				<i>For Heated Enclosure, Add</i>	260.25	
22 11 19 00-0490	EA			70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	4,325.00	117.34
				<i>For Heated Enclosure, Add</i>	619.42	
22 11 19 00-0491	EA			83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	6,288.32	117.34
				<i>For Heated Enclosure, Add</i>	913.91	
22 11 19 00-0492	EA			70" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	5,972.87	117.34
				<i>For Heated Enclosure, Add</i>	866.60	
22 11 19 00-0493	EA			83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	7,193.68	136.89
				<i>For Heated Enclosure, Add</i>	1,044.83	
22 11 19 00-0494				<b>One-Piece Drop Over, Insulated Fiberglass Valve Enclosures</b> <small>(22 11 19 00-0480)</small>		
				Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0495	EA			20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	403.86	16.99
				<i>For Heated Enclosure, Add</i>	75.11	
22 11 19 00-0496	EA			27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	563.09	16.99
				<i>For Heated Enclosure, Add</i>	106.95	
22 11 19 00-0497	EA			38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	708.06	15.65
				<i>For Heated Enclosure, Add</i>	136.40	
22 11 19 00-0498	EA			47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	1,071.58	15.65
				<i>For Heated Enclosure, Add</i>	209.10	
22 11 19 00-0499	EA			70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	2,776.82	29.33
				<i>For Heated Enclosure, Add</i>	545.58	
22 11 19 00-0500	EA			83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	3,793.78	29.33
				<i>For Heated Enclosure, Add</i>	748.98	
22 11 19 00-0501	EA			45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	2,524.46	29.33
				<i>For Heated Enclosure, Add</i>	495.11	
22 11 19 00-0502	EA			53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	2,857.94	29.33
				<i>For Heated Enclosure, Add</i>	561.81	
22 11 19 00-0503	EA			61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	4,475.77	29.33
				<i>For Heated Enclosure, Add</i>	885.37	





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0504			<b>Sectional, Insulated Aluminum Valve Enclosures</b> <small>(22 11 19 00-0480)</small> Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0505	EA		70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure .....	5,638.23	127.46
			<i>For Heated Enclosure, Add</i>	813.87	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	463.00	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	828.53	
22 11 19 00-0506	EA		83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure .....	6,219.57	127.46
			<i>For Heated Enclosure, Add</i>	901.07	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	463.00	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	828.53	
22 11 19 00-0507	EA		53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure .....	4,395.60	117.34
			<i>For Heated Enclosure, Add</i>	630.01	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	463.00	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	828.53	
22 11 19 00-0508	EA		53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure .....	4,825.22	117.34
			<i>For Heated Enclosure, Add</i>	694.45	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	463.00	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	828.53	
22 11 19 00-0509	EA		90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure .....	5,606.94	156.45
			<i>For Heated Enclosure, Add</i>	801.93	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	463.00	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	828.53	
22 11 19 00-0510	EA		102" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure .....	6,294.93	156.45
			<i>For Heated Enclosure, Add</i>	905.13	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	463.00	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	828.53	
22 11 19 00-0511	EA		90" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure .....	6,294.93	156.45
			<i>For Heated Enclosure, Add</i>	905.13	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	463.00	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	828.53	
22 11 19 00-0512	EA		102" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure .....	6,961.89	156.45
			<i>For Heated Enclosure, Add</i>	1,005.17	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	463.00	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	828.53	
22 11 19 00-0513	EA		62" Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure .....	5,219.84	136.89
			<i>For Heated Enclosure, Add</i>	748.75	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	463.00	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	828.53	
22 11 19 00-0514	EA		62" Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure .....	6,113.17	156.45
			<i>For Heated Enclosure, Add</i>	877.86	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	463.00	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	828.53	
22 11 19 00-0515	EA		105" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure .....	7,154.16	156.45
			<i>For Heated Enclosure, Add</i>	1,034.01	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	463.00	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	828.53	
22 11 19 00-0516	EA		125" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure .....	7,855.45	166.23
			<i>For Heated Enclosure, Add</i>	1,136.76	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	463.00	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	828.53	
22 11 19 00-0517	EA		105" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure .....	8,052.09	180.56
			<i>For Heated Enclosure, Add</i>	1,162.67	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	463.00	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	828.53	
22 11 19 00-0518	EA		125" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure .....	8,929.02	191.18
			<i>For Heated Enclosure, Add</i>	1,291.56	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	463.00	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	828.53	
22 11 19 00-0519	EA		105" Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure .....	9,247.72	176.01
			<i>For Heated Enclosure, Add</i>	1,343.16	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	463.00	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	828.53	
22 11 19 00-0520	EA		72" Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure .....	6,703.51	156.45
			<i>For Heated Enclosure, Add</i>	966.41	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	463.00	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	828.53	
22 11 19 00-0521	EA		72" Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure .....	7,149.66	156.45
			<i>For Heated Enclosure, Add</i>	1,033.34	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	463.00	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	828.53	
22 11 19 00-0522	EA		72" Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure .....	8,094.29	166.23
			<i>For Heated Enclosure, Add</i>	1,172.59	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	463.00	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	828.53	
22 11 19 00-0523	EA		72" Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure .....	9,820.04	176.01
			<i>For Heated Enclosure, Add</i>	1,429.01	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	463.00	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	828.53	
22 11 19 00-0524	EA		118" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure .....	8,559.73	78.23
			<i>For Heated Enclosure, Add</i>	1,239.96	
			<i>For One 24" Fluorescent Light Fixture, Add</i>	463.00	
			<i>For Two 24" Fluorescent Light Fixture, Add</i>	828.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0525 EA 142" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	10,296.01 1,497.95 463.00 828.53	78.23
22 11 19 00-0526 EA 118" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	9,952.01 1,446.35 463.00 828.53	117.34
22 11 19 00-0527 EA 142" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	11,551.36 1,681.37 463.00 828.53	117.34
22 11 19 00-0528 EA 142" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	10,656.29 1,549.55 463.00 828.53	117.34
22 11 19 00-0529 EA 172" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	12,459.93 1,815.21 463.00 828.53	136.89
22 11 19 00-0530 EA 142" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	12,492.53 1,815.21 463.00 828.53	117.34
22 11 19 00-0531 EA 172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	14,830.94 2,161.08 463.00 828.53	117.34
<b>22 11 19 00-0532 Backflow Valve Cage Enclosures</b> (22 11 19 00-0480) Note: Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0533 EA 12-1/2" Length x 10-1/2" Width x 18" Height, Internal Dimensions, Backflow Preventer Caged Enclosures, External Dimensions 15-1/2" Length x 13-1/2" Width x 18" Height..... Note: UTC-.5	570.51	63.72
22 11 19 00-0534 EA 22-1/2" Length x 10-1/2" Width x 24" Height, Internal Dimensions, Backflow Preventer Caged Enclosures, External Dimensions 25-1/2" Length x 13-1/2" Width x 24" Height..... Note: UTC-1	625.14	63.72
22 11 19 00-0535 EA 30-1/2" Length x 10-1/2" Width x 24" Height, Internal Dimensions, Backflow Preventer Caged Enclosures, External Dimensions 33-1/2" Length x 13-1/2" Width x 24" Height..... Note: UTC-2	710.76	78.23
22 11 19 00-0536 EA 40-1/2" Length x 10-1/2" Width x 24" Height, Internal Dimensions, Backflow Preventer Caged Enclosures, External Dimensions 43-1/2" Length x 13-1/2" Width x 24" Height..... Note: UTC-3	772.21	78.23
22 11 19 00-0537 EA 46-1/2" Length x 16-1/2" Width x 30-1/2" Height, Internal Dimensions, Backflow Preventer Caged Enclosures, External Dimensions 49-1/2" Length x 20" Width x 30-1/2" Height..... Note: UTC-4	922.43	78.23
<b>22 11 19 00-0538 Faucets (Hose Bibbs)</b> (22 11 19)		
<b>22 11 19 00-0539 Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends</b> (22 11 19 00-0538)		
22 11 19 00-0540 EA 1/2", 125 LB Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends .....	39.12	7.08
22 11 19 00-0541 EA 3/4" Faucet, Bronze Garden Hose Valve With Screwed Ends, 125# .....	45.06	7.79
22 11 19 00-0542 EA 3/4" Hose Valve With Screwed Ends And Vacuum Breaker, 125# .....	16.80	5.31
<b>22 11 19 00-0543 Chrome Plated Brass Hose Valves, Screwed Ends</b> (22 11 19 00-0538)		
22 11 19 00-0544 EA 3/4" Hose Valve With Screwed Ends; Chicago Faucets #387-CP .....	182.81	21.67
<b>22 11 19 00-0545 Antisiphon Freezeless Wall Faucet</b> (22 11 19 00-0538)		
22 11 19 00-0546 EA 4" Long, 1/2" Antisiphon Freezeless Wall Faucet .....	112.88	17.71
22 11 19 00-0547 EA 6" Long, 1/2" Antisiphon Freezeless Wall Faucet .....	121.19	19.61
22 11 19 00-0548 EA 8" Long, 1/2" Antisiphon Freezeless Wall Faucet .....	127.73	20.75
22 11 19 00-0549 EA 10" Long, 1/2" Antisiphon Freezeless Wall Faucet .....	134.25	22.23
22 11 19 00-0550 EA 12" Long, 1/2" Antisiphon Freezeless Wall Faucet .....	140.86	23.58
<b>22 11 23 Domestic Water Pumps</b> (22 11)		
<b>22 11 23 13 Domestic Water Packaged Booster Pumps And Tanks</b> (22 11 23)		
Note: Includes motor starter and controls.		
<b>22 11 23 13-0001 Simplex Domestic Water Packaged Booster Pumps And Tank</b> (22 11 23 13)		
22 11 23 13-0002 EA 1 HP Simplex Domestic Water Packaged Booster Pump And Tank .....	4,509.66	208.60
22 11 23 13-0003 EA 1.5 HP Simplex Domestic Water Packaged Booster Pump And Tank .....	4,749.82	280.30
22 11 23 13-0004 EA 2 HP Simplex Domestic Water Packaged Booster Pump And Tank .....	5,020.41	352.02
22 11 23 13-0005 EA 3 HP Simplex Domestic Water Packaged Booster Pump And Tank .....	5,275.79	423.72
22 11 23 13-0006 EA 5 HP Simplex Domestic Water Packaged Booster Pump And Tank .....	5,866.07	495.43
22 11 23 13-0007 EA 7.5 HP Simplex Domestic Water Packaged Booster Pump And Tank .....	6,532.43	567.13
22 11 23 13-0008 EA 10 HP Simplex Domestic Water Packaged Booster Pump And Tank .....	7,016.14	638.85



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0009			<b>Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator</b> <sup>(22 11</sup>		
			<sup>23 13)</sup>		
22 11 23 13-0010	EA		100 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator .....	12,416.15	844.19
22 11 23 13-0011	EA		200 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator .....	14,838.20	896.95
22 11 23 13-0012	EA		300 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator .....	17,269.96	949.72
22 11 23 13-0013			<b>Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator</b> <sup>(22 11</sup>		
			<sup>23 13)</sup>		
22 11 23 13-0014	EA		200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator .....	16,135.88	896.95
22 11 23 13-0015	EA		300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator .....	19,927.53	949.72
22 11 23 13-0016	EA		500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator .....	24,646.82	1,055.23
22 11 23 13-0017	EA		750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator .....	31,053.28	1,160.76
22 11 23 13-0018	EA		1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator .....	37,459.73	1,266.29
22 11 23 13-0019	EA		1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator .....	43,590.52	1,424.57
22 11 23 13-0020	EA		2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator .....	49,721.31	1,582.85
22 11 23 13-0021	EA		3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator .....	55,852.11	1,741.14
22 11 23 13-0022	EA		5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator .....	62,114.81	1,952.19
22 11 23 13-0023			<b>Variable Speed Duplex Domestic Water Pressure Booster Skid</b> <sup>(22 11 23 13)</sup>		
			Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.		
22 11 23 13-0024	EA		40 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-1) .....	23,341.05	857.50
22 11 23 13-0025	EA		40 GPM At 80 To 120 PSI, 80 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-2) .....	24,429.21	857.50
22 11 23 13-0026	EA		80 GPM At 80 PSI, 120 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-3) .....	25,984.07	857.50
22 11 23 13-0027	EA		80 GPM At 130 To 150 PSI, 120 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-4) .....	28,225.37	857.50
22 11 23 13-0028	EA		160 GPM At 40 To 50 PSI, 200 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-5) .....	26,594.20	911.10
22 11 23 13-0029	EA		160 GPM At 60 To 80 PSI, 200 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-6) .....	28,550.77	911.10
22 11 23 13-0030	EA		160 GPM At 90 To 110 PSI, 200 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-7) .....	31,207.96	911.10
22 11 23 13-0031	EA		160 To 200 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-8) .....	33,367.74	911.10
22 11 23 13-0032	EA		240 To 280 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-9) .....	29,073.46	964.69
22 11 23 13-0033	EA		280 To 320 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-10) .....	31,005.21	964.69
22 11 23 13-0034	EA		240 To 320 GPM At 90 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-11) .....	35,324.78	964.69
22 11 23 13-0035	EA		240 To 320 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-12) .....	42,574.46	964.69
22 11 23 13-0036	EA		360 To 400 GPM At 40 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-13) .....	30,733.47	964.69
22 11 23 13-0037	EA		360 To 400 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-14) .....	34,673.77	964.69
22 11 23 13-0038	EA		360 To 400 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-15) .....	43,347.16	964.69
22 11 23 13-0039	EA		360 To 400 GPM At 120 To 140 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-16) .....	43,096.68	964.69
22 11 23 13-0040	EA		440 To 480 GPM At 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-17) .....	51,439.02	1,071.88
22 11 23 13-0041	EA		440 To 480 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-18) .....	35,193.40	1,071.88
22 11 23 13-0042	EA		440 To 480 GPM At 60 To 90 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-19) .....	43,091.73	1,071.88
22 11 23 13-0043	EA		440 To 480 GPM At 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-20) .....	42,842.43	1,071.88
22 11 23 13-0044	EA		440 To 600 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-21) .....	51,826.56	1,071.88
22 11 23 13-0045	EA		440 To 600 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-22) .....	62,815.69	1,071.88
22 11 23 13-0046	EA		60 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-1) .....	29,617.18	857.50
22 11 23 13-0047			<b>Variable Speed Triplex Domestic Water Pressure Booster Skid</b> <sup>(22 11 23 13)</sup>		
			Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.		
22 11 23 13-0048	EA		60 GPM At 80 To 130 PSI, 120 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-2) .....	29,617.18	857.50
22 11 23 13-0049	EA		120 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-3) .....	33,182.95	857.50
22 11 23 13-0050	EA		60 GPM At 140 To 150 PSI, 120 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-4) .....	36,259.57	857.50



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0051	EA		180 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-5).....	33,316.94	911.10
22 11 23 13-0052	EA		180 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-6).....	36,372.30	911.10
22 11 23 13-0053	EA		240 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-7).....	34,030.56	911.10
22 11 23 13-0054	EA		240 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-8).....	36,657.04	911.10
22 11 23 13-0055	EA		240 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-9).....	40,268.88	911.10
22 11 23 13-0056	EA		240 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-10).....	43,262.80	911.10
22 11 23 13-0057	EA		300 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-11).....	34,337.04	964.69
22 11 23 13-0058	EA		300 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-12).....	36,963.52	964.69
22 11 23 13-0059	EA		300 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-13).....	40,574.18	964.69
22 11 23 13-0060	EA		300 GPM At 110 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-14).....	43,568.10	964.69
22 11 23 13-0061	EA		360 GPM At 40 To 60 PSI, 420 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-15).....	37,290.79	964.69
22 11 23 13-0062	EA		360 GPM At 70 To 80 PSI, 420 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-16).....	39,813.29	964.69
22 11 23 13-0063	EA		360 GPM At 90 To 130 PSI, 420 GPM At 80 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-17).....	46,045.71	964.69
22 11 23 13-0064	EA		360 GPM At 140 To 150 PSI, 420 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-18).....	56,216.06	964.69
22 11 23 13-0065	EA		480 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-19).....	38,073.90	1,071.88
22 11 23 13-0066	EA		480 GPM At 50 To 70 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-20).....	40,597.58	1,071.88
22 11 23 13-0067	EA		480 GPM At 80 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-21).....	46,829.99	1,071.88
22 11 23 13-0068	EA		480 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-22).....	56,999.16	1,071.88
22 11 23 13-0069	EA		540 GPM At 40 PSI, 600 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-23).....	40,188.78	1,071.88
22 11 23 13-0070	EA		540 GPM At 50 To 90 PSI, 600 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-24).....	45,852.89	1,071.88
22 11 23 13-0071	EA		540 GPM At 100 To 110 PSI, 600 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-25).....	58,157.03	1,071.88
22 11 23 13-0072	EA		540 GPM At 120 To 130 PSI, 600 GPM At 120 To 130 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-26).....	59,349.17	1,071.88
22 11 23 13-0073	EA		540 GPM At 140 To 150 PSI, 600 GPM At 140 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-27).....	73,632.32	1,071.88
22 11 23 13-0074	EA		660 GPM At 40 To 50 PSI, 720 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-28).....	45,515.70	1,286.26
22 11 23 13-0075	EA		660 GPM At 60 To 90 PSI, 720,780,840,900 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-29).....	54,850.73	1,286.26
22 11 23 13-0076	EA		660, 720, 780 GPM At 100 PSI, 840 To 900 GPM At 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-30).....	58,390.51	1,286.26
22 11 23 13-0077	EA		660, 720, 780, 840, 900 GPM At 110 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-31).....	70,532.78	1,286.26
22 11 23 13-0078	EA		660, 720, 780, 840, 900 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-32).....	87,523.94	1,286.26

**22 11 23 23 Domestic-Water In-Line Pumps (22 11 23)**

**22 11 23 23-0001 Bronze In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 23)**

Note: ODP motor.

22 11 23 23-0002	EA		1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B).....	621.76	117.34
22 11 23 23-0003	EA		1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B).....	637.99	117.34
22 11 23 23-0004	EA		1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B).....	667.41	119.62
22 11 23 23-0005	EA		1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B).....	734.81	124.51
22 11 23 23-0006	EA		1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B).....	1,314.93	132.56
22 11 23 23-0007	EA		1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB).....	1,401.39	132.56
22 11 23 23-0008	EA		1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB).....	2,086.92	145.95
22 11 23 23-0009	EA		1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB).....	2,177.42	160.34
22 11 23 23-0010	EA		1/3 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB).....	2,633.65	176.41
22 11 23 23-0011	EA		1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S).....	2,693.79	194.14
22 11 23 23-0012	EA		3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S).....	2,946.05	213.23
22 11 23 23-0013	EA		1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S).....	4,211.62	234.66
22 11 23 23-0014	EA		1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S).....	4,848.10	246.03

**22 11 23 23-0015 Cast Iron In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 23)**

Note: ODP motor.

22 11 23 23-0016	EA		1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30).....	647.12	117.34
22 11 23 23-0017	EA		1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36).....	1,074.99	117.34
22 11 23 23-0018	EA		1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45).....	1,079.71	119.62
22 11 23 23-0019	EA		1/6 HP, 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45).....	1,098.44	122.22
22 11 23 23-0020	EA		1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50).....	1,102.99	124.51

<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 11</b>	<b>Facility Water Distribution</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11	23	23-0021	EA 1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75)	1,130.84	132.56
22 11	23	23-0022	EA 1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2)	1,379.97	145.95
22 11	23	23-0023	EA 1/3 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30)	1,778.78	176.41
22 11	23	23-0024	EA 1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S)	1,875.17	194.14
22 11	23	23-0025	EA 3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S)	2,186.79	213.23
22 11	23	23-0026	EA 1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S)	2,943.77	234.66
22 11	23	23-0027	EA 1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S)	3,437.72	246.03
22 11	23	23-0028	EA 2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	3,091.49	258.42
22 11	23	23-0029	EA 3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	3,324.20	284.06
22 11	23	23-0030	EA 5 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	3,652.07	301.26
22 11	23	23-0031	EA 7-1/2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	4,618.32	334.74
22 11	23	23-0032	EA 10 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	4,905.26	401.75
22 11	23	23-0033	EA 15 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	6,250.99	468.84

**22 12 Facility Potable-Water Storage Tanks (22 10)**

**22 12 19 Facility Ground-Mounted, Potable-Water Storage Tanks (22 12)**

22 12 19 00-0001	Steel, Horizontal, Ground-Mounted Water Tanks (22 12 19)				
22 12 19 00-0002	EA	5,000	Gallon, Steel, Horizontal, Ground-Mounted Water Tank	21,831.56	5,210.09
22 12 19 00-0003	EA	10,000	Gallon, Steel, Horizontal, Ground-Mounted Water Tank	24,738.23	5,210.09
22 12 19 00-0004	EA	20,000	Gallon, Steel, Horizontal, Ground-Mounted Water Tank	44,501.34	8,040.27
22 12 19 00-0005	EA	35,000	Gallon, Steel, Horizontal, Ground-Mounted Water Tank	57,442.93	10,420.17

**22 12 19 00-0006 Galvanized Steel, Flat Bottom, Vertical Storage Tanks (22 12 19)**

22 12 19 00-0007	EA	5,000	Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	26,137.74	5,210.09
22 12 19 00-0008	EA	10,000	Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	36,257.28	5,210.09
22 12 19 00-0009	EA	20,000	Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	54,068.30	8,040.27
22 12 19 00-0010	EA	35,000	Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	77,698.62	10,420.17

**22 12 23 Facility Indoor Potable-Water Storage Tanks (22 12)**

**22 12 23 13 Facility Steel, Indoor Potable-Water Storage Pressure Tanks (22 12 23)**

22 12 23 13-0001	Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH) (22 12 23 13)				
22 12 23 13-0002	EA	80	Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A)	1,734.80	260.75
22 12 23 13-0003	EA	119	Gallon 150 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-120M)	2,147.99	325.94
22 12 23 13-0004	EA	140	Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A)	4,063.94	358.53
22 12 23 13-0005	EA	200	Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A)	4,496.47	391.13
22 12 23 13-0006	EA	250	Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A)	9,076.30	423.72
22 12 23 13-0007	EA	350	Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A)	7,783.45	456.31
22 12 23 13-0008	EA	400	Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A)	13,481.45	488.91
22 12 23 13-0009	EA	500	Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A)	12,394.57	521.50
22 12 23 13-0010	EA	750	Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A)	13,469.94	554.10
22 12 23 13-0011	EA	1,000	Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A)	16,079.34	586.69

**22 12 23 13-0012 Uninsulated Glass Lined Storage Tank (A.O. Smith T) (22 12 23 13)**

22 12 23 13-0013	EA	80	Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S)	1,469.20	260.75
22 12 23 13-0014	EA	120	Gallon 150 PSA, Uninsulated, Glass Lined Water Storage Tank (T-120S)	2,896.08	325.94
22 12 23 13-0015	EA	140	Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A)	3,641.53	358.53
22 12 23 13-0016	EA	200	Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S)	4,522.61	391.13
22 12 23 13-0017	EA	200	Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A)	3,816.87	391.13
22 12 23 13-0018	EA	250	Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A)	5,977.10	423.72
22 12 23 13-0019	EA	325	Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A)	6,469.76	456.31
22 12 23 13-0020	EA	350	Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S)	6,149.16	456.31
22 12 23 13-0021	EA	350	Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A)	5,594.56	456.31
22 12 23 13-0022	EA	400	Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A)	7,710.52	488.91
22 12 23 13-0023	EA	500	Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A)	8,368.09	521.50
22 12 23 13-0024	EA	750	Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A)	9,736.34	554.10
22 12 23 13-0025	EA	1,000	Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A)	18,454.05	586.69

**22 12 23 26 Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks (22 12 23)**

22 12 23 26-0001	Horizontal Non-Pressurized Polyethylene Tanks (22 12 23 26)				
	Note: Excludes excavation and backfill.				
22 12 23 26-0002	EA	100	Gallon Horizontal Non-Pressurized Polyethylene Tank	421.74	146.68
			For Saddle Assembly, Add	470.68	
22 12 23 26-0003	EA	150	Gallon Horizontal Non-Pressurized Polyethylene Tank	494.02	171.12
			For Saddle Assembly, Add	470.68	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 23 26-0004	EA		200 Gallon Horizontal Non-Pressurized Polyethylene Tank ..... <i>For Saddle Assembly, Add</i>	586.13 <i>538.14</i>	195.56
22 12 23 26-0005	EA		300 Gallon Horizontal Non-Pressurized Polyethylene Tank ..... <i>For Saddle Assembly, Add</i>	713.96 <i>801.37</i>	220.01
22 12 23 26-0006	EA		335 Gallon Horizontal Non-Pressurized Polyethylene Tank ..... <i>For Two Tie Down Bands, Add</i>	856.35 <i>270.56</i>	244.46
22 12 23 26-0007	EA		535 Gallon Horizontal Non-Pressurized Polyethylene Tank ..... <i>For Two Tie Down Bands, Add</i>	1,065.73 <i>289.08</i>	302.37
22 12 23 26-0008	EA		1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank ..... <i>For Three Tie Down Bands, Add</i>	1,605.51 <i>493.14</i>	352.77
22 12 23 26-0009	EA		1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank ..... <i>For Three Tie Down Bands, Add</i>	2,329.86 <i>497.11</i>	403.16
22 12 23 26-0010	EA		1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank ..... <i>For Four Tie Down Bands, Add</i>	2,914.26 <i>673.40</i>	453.56
22 12 23 26-0011	EA		2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank ..... <i>For Four Tie Down Bands, Add</i>	3,417.25 <i>943.24</i>	503.95
22 12 23 26-0012	EA		2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank ..... <i>For Four Tie Down Bands, Add</i>	4,905.79 <i>1,239.53</i>	554.35
22 12 23 26-0013	EA		3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank ..... <i>For Four Tie Down Bands, Add</i>	5,687.27 <i>1,340.06</i>	604.75
22 12 23 26-0014	EA		4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank ..... <i>For Four Tie Down Bands, Add</i>	8,177.06 <i>1,514.66</i>	806.34
22 12 23 26-0015	EA		5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank ..... <i>For Five Tie Down Bands, Add</i>	10,608.16 <i>2,376.14</i>	806.34

**22 12 23 26-0016 Vertical Non-Pressurized Polyethylene Tanks** (22 12 23 26)

22 12 23 26-0017	EA		100 Gallon Vertical Non-Pressurized Polyethylene Tank .....	460.47	195.56
22 12 23 26-0018	EA		160 Gallon Vertical Non-Pressurized Polyethylene Tank .....	554.81	207.78
22 12 23 26-0019	EA		210 Gallon Vertical Non-Pressurized Polyethylene Tank .....	609.46	220.01
22 12 23 26-0020	EA		300 Gallon Vertical Non-Pressurized Polyethylene Tank .....	738.62	244.46
22 12 23 26-0021	EA		405 Gallon Vertical Non-Pressurized Polyethylene Tank .....	842.17	293.34
22 12 23 26-0022	EA		500 Gallon Vertical Non-Pressurized Polyethylene Tank .....	994.66	342.24
22 12 23 26-0023	EA		800 Gallon Vertical Non-Pressurized Polyethylene Tank .....	1,336.48	403.16
22 12 23 26-0024	EA		1,000 Gallon Vertical Non-Pressurized Polyethylene Tank .....	1,732.78	503.95
22 12 23 26-0025	EA		2,000 Gallon Vertical Non-Pressurized Polyethylene Tank .....	2,338.07	604.75
22 12 23 26-0026	EA		3,000 Gallon Vertical Non-Pressurized Polyethylene Tank .....	3,067.69	705.55
22 12 23 26-0027	EA		4,000 Gallon Vertical Non-Pressurized Polyethylene Tank .....	4,542.02	806.34
22 12 23 26-0028	EA		5,000 Gallon Vertical Non-Pressurized Polyethylene Tank .....	6,172.44	907.13
22 12 23 26-0029	EA		6,250 Gallon Vertical Non-Pressurized Polyethylene Tank .....	6,999.96	1,007.92
22 12 23 26-0030	EA		7,000 Gallon Vertical Non-Pressurized Polyethylene Tank .....	7,713.71	1,108.71
22 12 23 26-0031	EA		8,000 Gallon Vertical Non-Pressurized Polyethylene Tank .....	8,895.71	1,209.50
22 12 23 26-0032	EA		9,150 Gallon Vertical Non-Pressurized Polyethylene Tank .....	10,055.23	1,310.29
22 12 23 26-0033	EA		10,500 Gallon Vertical Non-Pressurized Polyethylene Tank .....	12,471.37	1,411.08
22 12 23 26-0034	EA		12,500 Gallon Vertical Non-Pressurized Polyethylene Tank .....	15,015.27	1,612.66

**22 13 Facility Sanitary Sewerage** (22 10)

**22 13 13 Facility Sanitary Sewers** (22 13)

**22 13 13 00-0001 Fixture Rough-In** (22 13 13)

Note: Excludes fixture. Not for use when individual component details are available, on remodeling work where partial pipe and fittings are installed or on residential projects. For use on commercial restrooms with multiple toilets, urinals and lavatories. Includes waste and vent pipe and fittings and domestic water supply pipe and fittings. Waste piping is included from fixture outlet tee to floor, vent piping is included from outlet tee within the wall to the ceiling and domestic water supply from ceiling to fixture and stub out with caps. Based on vertical floor to floor of 12'. Use detailed tasks (i.e. individual pipe and fittings, insulation, hangers, etc.) instead of rough-in assembly where possible.

**22 13 13 00-0002 Single Fixture Rough-In, Cast Iron Waste And Vent Pipe** (22 13 13 00-0001)

Note: Single fixtures have one fixture to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0003	EA		Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	735.76	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.		
22 13 13 00-0004	EA		Wall Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	1,021.50	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0005	EA		Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	661.58	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0006	EA		Wall Mounted Urinal, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	437.50	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0007	EA		Wall Mounted Lavatory, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	516.41	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0008	EA		Countertop Kitchen Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	647.02	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0009	EA		Bathub, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	698.18	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0010	EA		Free Standing Water Cooler, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	420.22	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0011	EA		Floor Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	661.58	
			Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0012 EA Wall Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	674.19	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0013 EA Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	641.58	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.		
22 13 13 00-0014 EA Bidet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	735.76	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0015 EA Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	1,157.45	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0016 EA Bathtub/Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	714.50	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.		
<b>22 13 13 00-0017 Double Fixture Rough-In, Cast Iron Waste And Vent Pipe</b> <small>(22 13 13 00-0001)</small>		
Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0018 EA Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	974.00	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.		
22 13 13 00-0019 EA Wall Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	1,368.90	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0020 EA Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	839.54	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0021 EA Wall Mounted Urinal, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	532.92	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0022 EA Wall Mounted Lavatory, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	699.15	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0023 EA Countertop Kitchen Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	743.59	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0024 EA Free Standing Water Cooler, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	500.14	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0025 EA Floor Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	846.05	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0026 EA Wall Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	715.76	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0027 EA Shower, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	699.47	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.		
22 13 13 00-0028 EA Bidet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	974.00	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucets.		
<b>22 13 13 00-0029 Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe</b> <small>(22 13 13 00-0001)</small>		
Note: Gang fixtures include multiple fixtures to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0030 EA Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	486.70	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.		
22 13 13 00-0031 EA Wall Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	684.45	
Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0032 EA Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	420.10	
Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture.		
22 13 13 00-0033 EA Wall Mounted Urinal, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	266.78	
Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0034 EA Wall Mounted Lavatory, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	349.59	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0035 EA Countertop Kitchen Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	371.78	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0036 EA Free Standing Water Cooler, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	266.37	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0037 EA Floor Mounted Service Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	422.71	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0038 EA Wall Mounted Service Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe .....	357.87	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0039 EA Shower, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	350.04	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.		
22 13 13 00-0040 EA Bidet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe.....	482.13	
Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
<b>22 13 13 00-0041 Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe</b> <small>(22 13 13 00-0001)</small>		
Note: Single fixtures have one fixture to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0042 EA Floor Mounted Water Closet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	315.14	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.		
22 13 13 00-0043 EA Wall Mounted Water Closet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	315.82	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0044 EA Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	304.87	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0045 EA Wall Mounted Urinal, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	177.91	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0046 EA Wall Mounted Lavatory, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	207.97	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0047 EA Countertop Kitchen Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	290.86	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0048 EA Bathtub, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	288.27	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0049 EA Free Standing Water Cooler, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	177.94	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0050 EA Floor Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	304.87	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0051 EA Wall Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	328.27	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0052 EA Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	299.68	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.		
22 13 13 00-0053 EA Bidet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	315.06	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0054 EA Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	483.46	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.		
22 13 13 00-0055 EA Bathtub/Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	302.53	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.		
<b>22 13 13 00-0056</b>	<b>Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe <sup>(22 13 00-0001)</sup></b>	
Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0057 EA Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	371.82	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.		
22 13 13 00-0058 EA Wall Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	410.76	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0059 EA Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	324.43	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.		
22 13 13 00-0060 EA Wall Mounted Urinal, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	191.01	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0061 EA Wall Mounted Lavatory, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	293.15	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures, carrier and faucets.		
22 13 13 00-0062 EA Countertop Kitchen Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	304.13	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures and faucets.		
22 13 13 00-0063 EA Free Standing Water Cooler, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	188.91	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.		
22 13 13 00-0064 EA Floor Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	330.21	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
22 13 13 00-0065 EA Wall Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	333.98	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.		
22 13 13 00-0066 EA Shower, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	319.44	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.		
22 13 13 00-0067 EA Bidet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	371.82	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.		
<b>22 13 13 00-0068</b>	<b>Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe <sup>(22 13 00-0001)</sup></b>	
Note: Gang fixtures include multiple fixtures to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0069 EA Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	185.65	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.		
22 13 13 00-0070 EA Wall Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	205.06	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.		
22 13 13 00-0071 EA Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	162.40	
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0072 EA Wall Mounted Urinal, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....95.53 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	95.53	
22 13 13 00-0073 EA Wall Mounted Lavatory, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....146.55 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	146.55	
22 13 13 00-0074 EA Countertop Kitchen Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....151.90 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	151.90	
22 13 13 00-0075 EA Free Standing Water Cooler, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....94.46 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	94.46	
22 13 13 00-0076 EA Floor Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....165.04 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	165.04	
22 13 13 00-0077 EA Wall Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....167.01 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	167.01	
22 13 13 00-0078 EA Shower, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....160.00 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	160.00	
22 13 13 00-0079 EA Bidet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe .....181.32 Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	181.32	
<b>22 13 16 Sanitary Waste And Vent Piping (22 13)</b>		
<b>22 13 16 00-0001 Cast Iron Soil Pipe Assemblies (22 13 16)</b>		
<b>22 13 16 00-0002 Underground Bell And Spigot Cast Iron Soil Pipe Assemblies (22 13 16 00-0001)</b> Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available.		
22 13 16 00-0003 LF 2" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....23.87 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	23.87	4.10
<i>For Work In Restricted Working Space, Add</i>	3.01	
22 13 16 00-0004 LF 3" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....34.33 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	34.33	6.19
<i>For Work In Restricted Working Space, Add</i>	4.09	
22 13 16 00-0005 LF 4" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....44.59 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	44.59	7.89
<i>For Work In Restricted Working Space, Add</i>	5.26	
22 13 16 00-0006 LF 5" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....51.80 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	51.80	9.02
<i>For Work In Restricted Working Space, Add</i>	5.07	
22 13 16 00-0007 LF 6" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....61.28 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	61.28	9.83
<i>For Work In Restricted Working Space, Add</i>	5.64	
22 13 16 00-0008 LF 8" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....98.81 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	98.81	14.10
<i>For Work In Restricted Working Space, Add</i>	7.98	
22 13 16 00-0009 LF 10" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....148.56 Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	148.56	14.10
<i>For Work In Restricted Working Space, Add</i>	9.04	
<b>22 13 16 00-0010 Aboveground No Hub Cast Iron Soil Pipe Assemblies (22 13 16 00-0001)</b> Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
22 13 16 00-0011 LF 1-1/2" Aboveground No Hub Cast Iron Soil Pipe Assembly .....19.45 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	19.45	3.91
<i>For Work In Restricted Working Space, Add</i>	3.43	
22 13 16 00-0012 LF 2" Aboveground No Hub Cast Iron Soil Pipe Assembly .....20.62 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	20.62	4.17
<i>For Work In Restricted Working Space, Add</i>	3.69	
22 13 16 00-0013 LF 3" Aboveground No Hub Cast Iron Soil Pipe Assembly .....26.55 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	26.55	6.06
<i>For Work In Restricted Working Space, Add</i>	4.52	
22 13 16 00-0014 LF 4" Aboveground No Hub Cast Iron Soil Pipe Assembly .....31.54 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	31.54	7.89
<i>For Work In Restricted Working Space, Add</i>	5.41	
22 13 16 00-0015 LF 5" Aboveground No Hub Cast Iron Soil Pipe Assembly .....39.80 Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	39.80	8.84
<i>For Work In Restricted Working Space, Add</i>	6.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0016 LF 6" Aboveground No Hub Cast Iron Soil Pipe Assembly.....	45.09	9.66
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
For Work In Restricted Working Space, Add	6.54	
22 13 16 00-0017 LF 8" Aboveground No Hub Cast Iron Soil Pipe Assembly.....	71.13	13.98
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
For Work In Restricted Working Space, Add	9.10	
22 13 16 00-0018 LF 10" Aboveground No Hub Cast Iron Soil Pipe Assembly.....	101.29	15.89
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 20'. Not for use where detail is available.		
For Work In Restricted Working Space, Add	10.58	
<b>22 13 16 00-0019 Bell And Spigot Cast Iron Soil Pipe And Fittings (22 13 16)</b>		
Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements).		
<b>22 13 16 00-0020 Bell And Spigot Cast Iron Pipe (22 13 16 00-0019)</b>		
Note: Excludes excavation, hangers, gaskets, and fittings.		
22 13 16 00-0021 LF 2" Bell And Spigot Cast Iron Pipe .....	17.28	4.10
For Extra Heavy Pipe, Add	4.65	
For Above Ground Cast Iron Pipe Installation, Add	0.31	
For Work In Restricted Working Space, Add	1.86	
22 13 16 00-0022 LF 3" Bell And Spigot Cast Iron Pipe .....	25.19	6.19
For Extra Heavy Pipe, Add	6.67	
For Above Ground Cast Iron Pipe Installation, Add	0.47	
For Work In Restricted Working Space, Add	2.80	
22 13 16 00-0023 LF 4" Bell And Spigot Cast Iron Pipe .....	32.49	7.89
For Extra Heavy Pipe, Add	8.67	
For Above Ground Cast Iron Pipe Installation, Add	0.59	
For Work In Restricted Working Space, Add	3.56	
22 13 16 00-0024 LF 5" Bell And Spigot Cast Iron Pipe .....	42.61	9.02
For Extra Heavy Pipe, Add	12.23	
For Above Ground Cast Iron Pipe Installation, Add	0.67	
For Work In Restricted Working Space, Add	4.05	
22 13 16 00-0025 LF 6" Bell And Spigot Cast Iron Pipe .....	50.18	9.83
For Extra Heavy Pipe, Add	14.90	
For Above Ground Cast Iron Pipe Installation, Add	0.74	
For Work In Restricted Working Space, Add	4.41	
22 13 16 00-0026 LF 8" Bell And Spigot Cast Iron Pipe .....	76.31	14.10
For Extra Heavy Pipe, Add	23.17	
For Above Ground Cast Iron Pipe Installation, Add	1.06	
For Work In Restricted Working Space, Add	6.35	
22 13 16 00-0027 LF 10" Bell And Spigot Cast Iron Pipe .....	115.63	15.89
For Extra Heavy Pipe, Add	38.57	
For Above Ground Cast Iron Pipe Installation, Add	1.19	
For Work In Restricted Working Space, Add	7.14	
22 13 16 00-0028 LF 12" Bell And Spigot Cast Iron Pipe .....	165.13	21.18
For Extra Heavy Pipe, Add	56.03	
For Above Ground Cast Iron Pipe Installation, Add	1.59	
For Work In Restricted Working Space, Add	9.52	
22 13 16 00-0029 LF 15" Bell And Spigot Cast Iron Pipe .....	233.06	25.40
For Extra Heavy Pipe, Add	81.89	
For Above Ground Cast Iron Pipe Installation, Add	1.90	
For Work In Restricted Working Space, Add	11.42	
<b>22 13 16 00-0030 Bell And Spigot Cast Iron Fittings (22 13 16 00-0019)</b>		
<b>22 13 16 00-0031 Bell And Spigot Cast Iron Long Sweeps (22 13 16 00-0030)</b>		
22 13 16 00-0032 EA 2" Bell And Spigot Cast Iron Long Sweep.....	78.31	18.71
For Extra Heavy Fittings, Add	17.60	
For Above Ground Cast Iron Pipe Installation, Add	1.40	
For Work In Restricted Working Space, Add	8.41	
22 13 16 00-0033 EA 3" Bell And Spigot Cast Iron Long Sweep.....	137.24	23.54
For Extra Heavy Fittings, Add	35.70	
For Above Ground Cast Iron Pipe Installation, Add	1.76	
For Work In Restricted Working Space, Add	10.57	
22 13 16 00-0034 EA 4" Bell And Spigot Cast Iron Long Sweep.....	182.87	31.29
For Extra Heavy Fittings, Add	47.59	
For Above Ground Cast Iron Pipe Installation, Add	2.35	
For Work In Restricted Working Space, Add	14.07	
22 13 16 00-0035 EA 6" Bell And Spigot Cast Iron Long Sweep.....	286.11	38.14
For Extra Heavy Fittings, Add	80.13	
For Above Ground Cast Iron Pipe Installation, Add	2.86	
For Work In Restricted Working Space, Add	17.15	
22 13 16 00-0036 EA 8" Bell And Spigot Cast Iron Long Sweep.....	584.95	49.61
For Extra Heavy Fittings, Add	178.71	
For Above Ground Cast Iron Pipe Installation, Add	3.72	
For Work In Restricted Working Space, Add	22.31	
22 13 16 00-0037 EA 10" Bell And Spigot Cast Iron Long Sweep.....	804.67	61.04
For Extra Heavy Fittings, Add	249.60	
For Above Ground Cast Iron Pipe Installation, Add	4.58	
For Work In Restricted Working Space, Add	27.46	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0038	EA		12" Bell And Spigot Cast Iron Long Sweep.....	1,239.59	85.18
			<i>For Extra Heavy Fittings, Add</i>	389.15	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.39	
			<i>For Work In Restricted Working Space, Add</i>	38.32	
22 13 16 00-0039	EA		15" Bell And Spigot Cast Iron Long Sweep.....	2,328.28	118.63
			<i>For Extra Heavy Fittings, Add</i>	752.65	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.89	
			<i>For Work In Restricted Working Space, Add</i>	53.35	
<b>22 13 16 00-0040</b>			<b>Bell And Spigot Cast Iron Short Sweeps</b> (22 13 16 00-0030)		
22 13 16 00-0041	EA		2" Bell And Spigot Cast Iron Short Sweep.....	65.03	18.71
			<i>For Extra Heavy Fittings, Add</i>	12.95	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.40	
			<i>For Work In Restricted Working Space, Add</i>	8.41	
22 13 16 00-0042	EA		3" Bell And Spigot Cast Iron Short Sweep.....	114.96	23.54
			<i>For Extra Heavy Fittings, Add</i>	27.91	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.76	
			<i>For Work In Restricted Working Space, Add</i>	10.57	
22 13 16 00-0043	EA		4" Bell And Spigot Cast Iron Short Sweep.....	157.82	31.29
			<i>For Extra Heavy Fittings, Add</i>	38.82	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.35	
			<i>For Work In Restricted Working Space, Add</i>	14.07	
22 13 16 00-0044	EA		5" Bell And Spigot Cast Iron Short Sweep.....	240.39	32.43
			<i>For Extra Heavy Fittings, Add</i>	67.13	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.43	
			<i>For Work In Restricted Working Space, Add</i>	14.58	
22 13 16 00-0045	EA		6" Bell And Spigot Cast Iron Short Sweep.....	290.88	38.14
			<i>For Extra Heavy Fittings, Add</i>	81.80	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.86	
			<i>For Work In Restricted Working Space, Add</i>	17.15	
22 13 16 00-0046	EA		8" Bell And Spigot Cast Iron Short Sweep.....	488.94	49.61
			<i>For Extra Heavy Fittings, Add</i>	145.10	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.72	
			<i>For Work In Restricted Working Space, Add</i>	22.31	
22 13 16 00-0047	EA		10" Bell And Spigot Cast Iron Short Sweep.....	722.75	61.04
			<i>For Extra Heavy Fittings, Add</i>	220.93	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.58	
			<i>For Work In Restricted Working Space, Add</i>	27.46	
22 13 16 00-0048	EA		12" Bell And Spigot Cast Iron Short Sweep.....	1,209.04	85.18
			<i>For Extra Heavy Fittings, Add</i>	378.46	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.39	
			<i>For Work In Restricted Working Space, Add</i>	38.32	
<b>22 13 16 00-0049</b>			<b>Bell And Spigot Cast Iron 1/4 Bends</b> (22 13 16 00-0030)		
22 13 16 00-0050	EA		2" Bell And Spigot Cast Iron 1/4 Bend.....	57.53	18.64
			<i>For Extra Heavy Fittings, Add</i>	10.34	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.40	
			<i>For Work In Restricted Working Space, Add</i>	8.39	
22 13 16 00-0051	EA		3" Bell And Spigot Cast Iron 1/4 Bend.....	90.54	20.99
			<i>For Extra Heavy Fittings, Add</i>	20.67	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.57	
			<i>For Work In Restricted Working Space, Add</i>	9.45	
22 13 16 00-0052	EA		4" Bell And Spigot Cast Iron 1/4 Bend.....	130.56	27.96
			<i>For Extra Heavy Fittings, Add</i>	31.02	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.10	
			<i>For Work In Restricted Working Space, Add</i>	12.58	
22 13 16 00-0053	EA		5" Bell And Spigot Cast Iron 1/4 Bend.....	162.44	28.96
			<i>For Extra Heavy Fittings, Add</i>	41.67	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.17	
			<i>For Work In Restricted Working Space, Add</i>	13.02	
22 13 16 00-0054	EA		6" Bell And Spigot Cast Iron 1/4 Bend.....	195.45	34.68
			<i>For Extra Heavy Fittings, Add</i>	50.20	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.60	
			<i>For Work In Restricted Working Space, Add</i>	15.61	
22 13 16 00-0055	EA		8" Bell And Spigot Cast Iron 1/4 Bend.....	424.37	45.68
			<i>For Extra Heavy Fittings, Add</i>	124.56	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.42	
			<i>For Work In Restricted Working Space, Add</i>	20.54	
22 13 16 00-0056	EA		10" Bell And Spigot Cast Iron 1/4 Bend.....	633.74	55.44
			<i>For Extra Heavy Fittings, Add</i>	192.72	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.16	
			<i>For Work In Restricted Working Space, Add</i>	24.93	
22 13 16 00-0057	EA		12" Bell And Spigot Cast Iron 1/4 Bend.....	840.59	65.44
			<i>For Extra Heavy Fittings, Add</i>	259.86	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.91	
			<i>For Work In Restricted Working Space, Add</i>	29.44	
22 13 16 00-0058	EA		15" Bell And Spigot Cast Iron 1/4 Bend.....	2,190.51	103.21
			<i>For Extra Heavy Fittings, Add</i>	712.53	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.74	
			<i>For Work In Restricted Working Space, Add</i>	46.41	
<b>22 13 16 00-0059</b>			<b>Bell And Spigot Cast Iron 1/8 Bends</b> (22 13 16 00-0030)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0060 EA 2" Bell And Spigot Cast Iron 1/8 Bend .....	51.62	18.71
<i>For Extra Heavy Fittings, Add</i>	8.26	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.40	
<i>For Work In Restricted Working Space, Add</i>	8.41	
22 13 16 00-0061 EA 3" Bell And Spigot Cast Iron 1/8 Bend .....	83.92	23.54
<i>For Extra Heavy Fittings, Add</i>	17.04	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.76	
<i>For Work In Restricted Working Space, Add</i>	10.57	
22 13 16 00-0062 EA 4" Bell And Spigot Cast Iron 1/8 Bend .....	120.77	31.29
<i>For Extra Heavy Fittings, Add</i>	25.85	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.35	
<i>For Work In Restricted Working Space, Add</i>	14.07	
22 13 16 00-0063 EA 5" Bell And Spigot Cast Iron 1/8 Bend .....	147.45	36.24
<i>For Extra Heavy Fittings, Add</i>	32.60	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.72	
<i>For Work In Restricted Working Space, Add</i>	16.29	
22 13 16 00-0064 EA 6" Bell And Spigot Cast Iron 1/8 Bend .....	171.53	40.41
<i>For Extra Heavy Fittings, Add</i>	38.82	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.03	
<i>For Work In Restricted Working Space, Add</i>	18.18	
22 13 16 00-0065 EA 8" Bell And Spigot Cast Iron 1/8 Bend .....	359.57	54.73
<i>For Extra Heavy Fittings, Add</i>	97.13	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.10	
<i>For Work In Restricted Working Space, Add</i>	24.62	
22 13 16 00-0066 EA 10" Bell And Spigot Cast Iron 1/8 Bend .....	508.87	67.52
<i>For Extra Heavy Fittings, Add</i>	142.67	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.06	
<i>For Work In Restricted Working Space, Add</i>	30.38	
22 13 16 00-0067 EA 12" Bell And Spigot Cast Iron 1/8 Bend .....	836.58	87.57
<i>For Extra Heavy Fittings, Add</i>	246.87	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.56	
<i>For Work In Restricted Working Space, Add</i>	39.38	
22 13 16 00-0068 EA 15" Bell And Spigot Cast Iron 1/8 Bend .....	1,645.96	103.21
<i>For Extra Heavy Fittings, Add</i>	521.94	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.74	
<i>For Work In Restricted Working Space, Add</i>	46.41	
<b>22 13 16 00-0069 Bell And Spigot Cast Iron Wyes (22 13 16 00-0030)</b>		
22 13 16 00-0070 EA 2" Bell And Spigot Cast Iron Wye .....	85.38	41.79
<i>For Extra Heavy Fittings, Add</i>	7.95	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.13	
<i>For Work In Restricted Working Space, Add</i>	18.80	
22 13 16 00-0071 EA 3" Bell And Spigot Cast Iron Wye .....	111.13	45.76
<i>For Extra Heavy Fittings, Add</i>	14.88	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.43	
<i>For Work In Restricted Working Space, Add</i>	20.59	
22 13 16 00-0072 EA 4" Bell And Spigot Cast Iron Wye .....	146.47	59.98
<i>For Extra Heavy Fittings, Add</i>	19.80	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.49	
<i>For Work In Restricted Working Space, Add</i>	26.97	
22 13 16 00-0073 EA 5" Bell And Spigot Cast Iron Wye .....	187.81	62.37
<i>For Extra Heavy Fittings, Add</i>	33.00	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.68	
<i>For Work In Restricted Working Space, Add</i>	28.06	
22 13 16 00-0074 EA 6" Bell And Spigot Cast Iron Wye .....	238.59	73.92
<i>For Extra Heavy Fittings, Add</i>	44.71	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.54	
<i>For Work In Restricted Working Space, Add</i>	33.26	
22 13 16 00-0075 EA 8" Bell And Spigot Cast Iron Wye .....	463.07	99.94
<i>For Extra Heavy Fittings, Add</i>	109.63	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.49	
<i>For Work In Restricted Working Space, Add</i>	44.96	
22 13 16 00-0076 EA 10" Bell And Spigot Cast Iron Wye .....	667.12	113.38
<i>For Extra Heavy Fittings, Add</i>	174.00	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.50	
<i>For Work In Restricted Working Space, Add</i>	50.99	
22 13 16 00-0077 EA 12" Bell And Spigot Cast Iron Wye .....	1,006.71	138.02
<i>For Extra Heavy Fittings, Add</i>	279.93	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.35	
<i>For Work In Restricted Working Space, Add</i>	62.08	
22 13 16 00-0078 EA 15" Bell And Spigot Cast Iron Wye .....	1,601.67	154.85
<i>For Extra Heavy Fittings, Add</i>	479.33	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.61	
<i>For Work In Restricted Working Space, Add</i>	69.65	
<b>22 13 16 00-0079 Bell And Spigot Cast Iron Reducing Wyes (22 13 16 00-0030)</b>		
22 13 16 00-0080 EA 3" x 2" Bell And Spigot Cast Iron Reducing Wye .....	147.13	43.67
<i>For Extra Heavy Fittings, Add</i>	28.57	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.28	
<i>For Work In Restricted Working Space, Add</i>	19.65	

<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 13</b>	<b>Facility Sanitary Sewerage</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0081	EA		4" x 2" Bell And Spigot Cast Iron Reducing Wye	178.63	53.98
			<i>For Extra Heavy Fittings, Add</i>	34.18	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.05	
			<i>For Work In Restricted Working Space, Add</i>	24.29	
22 13 16 00-0082	EA		4" x 3" Bell And Spigot Cast Iron Reducing Wye	201.93	55.35
			<i>For Extra Heavy Fittings, Add</i>	41.62	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.15	
			<i>For Work In Restricted Working Space, Add</i>	24.91	
22 13 16 00-0083	EA		6" x 2" Bell And Spigot Cast Iron Reducing Wye	297.45	66.24
			<i>For Extra Heavy Fittings, Add</i>	69.36	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.96	
			<i>For Work In Restricted Working Space, Add</i>	29.78	
22 13 16 00-0084	EA		6" x 3" Bell And Spigot Cast Iron Reducing Wye	305.46	67.45
			<i>For Extra Heavy Fittings, Add</i>	71.51	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.06	
			<i>For Work In Restricted Working Space, Add</i>	30.35	
22 13 16 00-0085	EA		6" x 4" Bell And Spigot Cast Iron Reducing Wye	318.82	71.96
			<i>For Extra Heavy Fittings, Add</i>	73.82	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.40	
			<i>For Work In Restricted Working Space, Add</i>	32.37	
22 13 16 00-0086	EA		8" x 2" Bell And Spigot Cast Iron Reducing Wye	488.06	80.37
			<i>For Extra Heavy Fittings, Add</i>	128.65	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.02	
			<i>For Work In Restricted Working Space, Add</i>	36.14	
22 13 16 00-0087	EA		8" x 3" Bell And Spigot Cast Iron Reducing Wye	511.60	81.91
			<i>For Extra Heavy Fittings, Add</i>	136.08	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.14	
			<i>For Work In Restricted Working Space, Add</i>	36.84	
22 13 16 00-0088	EA		8" x 4" Bell And Spigot Cast Iron Reducing Wye	522.63	85.78
			<i>For Extra Heavy Fittings, Add</i>	137.90	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.43	
			<i>For Work In Restricted Working Space, Add</i>	38.59	
22 13 16 00-0089	EA		8" x 6" Bell And Spigot Cast Iron Reducing Wye	621.55	95.42
			<i>For Extra Heavy Fittings, Add</i>	167.46	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.15	
			<i>For Work In Restricted Working Space, Add</i>	42.93	
22 13 16 00-0090	EA		10" x 3" Bell And Spigot Cast Iron Reducing Wye	785.69	89.42
			<i>For Extra Heavy Fittings, Add</i>	228.07	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.70	
			<i>For Work In Restricted Working Space, Add</i>	40.22	
22 13 16 00-0091	EA		10" x 4" Bell And Spigot Cast Iron Reducing Wye	817.09	93.34
			<i>For Extra Heavy Fittings, Add</i>	236.99	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.00	
			<i>For Work In Restricted Working Space, Add</i>	41.99	
22 13 16 00-0092	EA		10" x 6" Bell And Spigot Cast Iron Reducing Wye	893.16	103.21
			<i>For Extra Heavy Fittings, Add</i>	258.46	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.74	
			<i>For Work In Restricted Working Space, Add</i>	46.41	
22 13 16 00-0093	EA		10" x 8" Bell And Spigot Cast Iron Reducing Wye	1,199.36	109.46
			<i>For Extra Heavy Fittings, Add</i>	362.34	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.21	
			<i>For Work In Restricted Working Space, Add</i>	49.23	
22 13 16 00-0094	EA		12" x 4" Bell And Spigot Cast Iron Reducing Wye	1,236.64	109.46
			<i>For Extra Heavy Fittings, Add</i>	375.39	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.21	
			<i>For Work In Restricted Working Space, Add</i>	49.23	
22 13 16 00-0095	EA		12" x 6" Bell And Spigot Cast Iron Reducing Wye	1,283.87	118.63
			<i>For Extra Heavy Fittings, Add</i>	387.11	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.89	
			<i>For Work In Restricted Working Space, Add</i>	53.35	
22 13 16 00-0096	EA		12" x 8" Bell And Spigot Cast Iron Reducing Wye	1,517.74	124.51
			<i>For Extra Heavy Fittings, Add</i>	465.89	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.33	
			<i>For Work In Restricted Working Space, Add</i>	55.99	
22 13 16 00-0097	EA		12" x 10" Bell And Spigot Cast Iron Reducing Wye	1,860.69	128.20
			<i>For Extra Heavy Fittings, Add</i>	583.97	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.61	
			<i>For Work In Restricted Working Space, Add</i>	57.66	
22 13 16 00-0098	EA		15" x 4" Bell And Spigot Cast Iron Reducing Wye	3,138.82	120.88
			<i>For Extra Heavy Fittings, Add</i>	1,035.16	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.06	
			<i>For Work In Restricted Working Space, Add</i>	54.37	
22 13 16 00-0099	EA		15" x 6" Bell And Spigot Cast Iron Reducing Wye	3,272.67	130.82
			<i>For Extra Heavy Fittings, Add</i>	1,076.78	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.81	
			<i>For Work In Restricted Working Space, Add</i>	58.85	
22 13 16 00-0100	EA		15" x 8" Bell And Spigot Cast Iron Reducing Wye	3,337.73	136.46
			<i>For Extra Heavy Fittings, Add</i>	1,096.59	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.23	
			<i>For Work In Restricted Working Space, Add</i>	61.38	
22 13 16 00-0101	EA		15" x 10" Bell And Spigot Cast Iron Reducing Wye	3,414.48	141.11
			<i>For Extra Heavy Fittings, Add</i>	1,121.04	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.58	
			<i>For Work In Restricted Working Space, Add</i>	63.46	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0102	EA			15" x 12" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,497.58 1,145.81 11.19 67.16	149.32
<b>22 13 16 00-0103 Bell And Spigot Cast Iron Combination Wye And 1/8 Bends</b> <small>(22 13 16 00-0030)</small>						
22 13 16 00-0104	EA			2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	95.10 11.35 3.13 18.80	41.79
22 13 16 00-0105	EA			3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	117.13 16.98 3.43 20.59	45.76
22 13 16 00-0106	EA			4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	156.89 23.45 4.49 26.97	59.98
22 13 16 00-0107	EA			5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	219.48 42.49 4.90 29.42	65.43
22 13 16 00-0108	EA			6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	275.38 53.81 6.08 36.50	81.16
22 13 16 00-0109	EA			8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	535.56 130.98 8.07 48.40	107.62
22 13 16 00-0110	EA			10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	782.47 199.83 10.58 63.46	141.11
22 13 16 00-0111	EA			12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,054.36 273.84 13.60 81.59	181.38
<b>22 13 16 00-0112 Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends</b> <small>(22 13 16 00-0030)</small>						
22 13 16 00-0113	EA			3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	101.88 12.73 3.28 19.65	43.67
22 13 16 00-0114	EA			4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	147.78 23.39 4.05 24.29	53.98
22 13 16 00-0115	EA			4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	161.21 27.37 4.15 24.91	55.35
22 13 16 00-0116	EA			6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	239.05 48.92 4.96 29.78	66.24
22 13 16 00-0117	EA			6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	250.03 52.11 5.06 30.35	67.45
22 13 16 00-0118	EA			6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	264.73 54.89 5.40 32.37	71.96
22 13 16 00-0119	EA			8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	379.59 90.69 6.02 36.14	80.37
22 13 16 00-0120	EA			8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	387.74 90.69 6.43 38.59	85.78
22 13 16 00-0121	EA			8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	498.80 124.50 7.15 42.93	95.42
<b>22 13 16 00-0122 Bell And Spigot Cast Iron Double Wyes</b> <small>(22 13 16 00-0030)</small>						

<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 13</b>	<b>Facility Sanitary Sewerage</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0123 EA 2" Bell And Spigot Cast Iron Double Wye .....	164.58	49.99
For Extra Heavy Fittings, Add	31.38	
For Above Ground Cast Iron Pipe Installation, Add	3.75	
For Work In Restricted Working Space, Add	22.48	
22 13 16 00-0124 EA 3" Bell And Spigot Cast Iron Double Wye .....	244.99	63.03
For Extra Heavy Fittings, Add	52.68	
For Above Ground Cast Iron Pipe Installation, Add	4.72	
For Work In Restricted Working Space, Add	28.34	
22 13 16 00-0125 EA 4" Bell And Spigot Cast Iron Double Wye .....	335.68	79.72
For Extra Heavy Fittings, Add	75.64	
For Above Ground Cast Iron Pipe Installation, Add	5.98	
For Work In Restricted Working Space, Add	35.87	
22 13 16 00-0126 EA 6" Bell And Spigot Cast Iron Double Wye .....	649.68	113.58
For Extra Heavy Fittings, Add	167.79	
For Above Ground Cast Iron Pipe Installation, Add	8.51	
For Work In Restricted Working Space, Add	51.08	
22 13 16 00-0127 EA 8" Bell And Spigot Cast Iron Double Wye .....	1,369.42	135.10
For Extra Heavy Fittings, Add	408.42	
For Above Ground Cast Iron Pipe Installation, Add	10.13	
For Work In Restricted Working Space, Add	60.76	
22 13 16 00-0128 EA 10" Bell And Spigot Cast Iron Double Wye .....	1,834.24	151.16
For Extra Heavy Fittings, Add	562.66	
For Above Ground Cast Iron Pipe Installation, Add	11.33	
For Work In Restricted Working Space, Add	67.99	
22 13 16 00-0129 EA 12" Bell And Spigot Cast Iron Double Wye .....	1,218.35	181.38
For Extra Heavy Fittings, Add	331.24	
For Above Ground Cast Iron Pipe Installation, Add	13.60	
For Work In Restricted Working Space, Add	81.59	
22 13 16 00-0130 EA 15" Bell And Spigot Cast Iron Double Wye .....	3,659.73	190.37
For Extra Heavy Fittings, Add	1,180.96	
For Above Ground Cast Iron Pipe Installation, Add	14.28	
For Work In Restricted Working Space, Add	85.67	
<b>22 13 16 00-0131 Bell And Spigot Cast Iron Reducing Double Wyes (22 13 16 00-0030)</b>		
22 13 16 00-0132 EA 3" x 2" Bell And Spigot Cast Iron Reducing Double Wye .....	141.57	59.13
For Extra Heavy Fittings, Add	18.52	
For Above Ground Cast Iron Pipe Installation, Add	4.43	
For Work In Restricted Working Space, Add	26.60	
22 13 16 00-0133 EA 4" x 2" Bell And Spigot Cast Iron Reducing Double Wye .....	164.94	67.92
For Extra Heavy Fittings, Add	22.08	
For Above Ground Cast Iron Pipe Installation, Add	5.09	
For Work In Restricted Working Space, Add	30.56	
22 13 16 00-0134 EA 4" x 3" Bell And Spigot Cast Iron Reducing Double Wye .....	179.96	71.25
For Extra Heavy Fittings, Add	25.58	
For Above Ground Cast Iron Pipe Installation, Add	5.34	
For Work In Restricted Working Space, Add	32.06	
22 13 16 00-0135 EA 6" x 2" Bell And Spigot Cast Iron Reducing Double Wye .....	227.19	78.78
For Extra Heavy Fittings, Add	38.18	
For Above Ground Cast Iron Pipe Installation, Add	5.91	
For Work In Restricted Working Space, Add	35.43	
22 13 16 00-0136 EA 6" x 3" Bell And Spigot Cast Iron Reducing Double Wye .....	242.07	81.78
For Extra Heavy Fittings, Add	41.81	
For Above Ground Cast Iron Pipe Installation, Add	6.13	
For Work In Restricted Working Space, Add	36.78	
22 13 16 00-0137 EA 6" x 4" Bell And Spigot Cast Iron Reducing Double Wye .....	282.06	89.19
For Extra Heavy Fittings, Add	51.92	
For Above Ground Cast Iron Pipe Installation, Add	6.69	
For Work In Restricted Working Space, Add	40.11	
22 13 16 00-0138 EA 8" x 4" Bell And Spigot Cast Iron Reducing Double Wye .....	485.44	104.10
For Extra Heavy Fittings, Add	115.29	
For Above Ground Cast Iron Pipe Installation, Add	7.80	
For Work In Restricted Working Space, Add	46.81	
22 13 16 00-0139 EA 8" x 6" Bell And Spigot Cast Iron Reducing Double Wye .....	521.84	123.20
For Extra Heavy Fittings, Add	117.98	
For Above Ground Cast Iron Pipe Installation, Add	9.24	
For Work In Restricted Working Space, Add	55.43	
22 13 16 00-0140 EA 10" x 4" Bell And Spigot Cast Iron Reducing Double Wye .....	516.78	111.36
For Extra Heavy Fittings, Add	122.43	
For Above Ground Cast Iron Pipe Installation, Add	8.35	
For Work In Restricted Working Space, Add	50.10	
22 13 16 00-0141 EA 10" x 6" Bell And Spigot Cast Iron Reducing Double Wye .....	601.54	130.82
For Extra Heavy Fittings, Add	141.88	
For Above Ground Cast Iron Pipe Installation, Add	9.81	
For Work In Restricted Working Space, Add	58.85	
22 13 16 00-0142 EA 10" x 8" Bell And Spigot Cast Iron Reducing Double Wye .....	754.31	142.59
For Extra Heavy Fittings, Add	189.18	
For Above Ground Cast Iron Pipe Installation, Add	10.69	
For Work In Restricted Working Space, Add	64.14	
22 13 16 00-0143 EA 12" x 6" Bell And Spigot Cast Iron Reducing Double Wye .....	770.31	145.87
For Extra Heavy Fittings, Add	193.06	
For Above Ground Cast Iron Pipe Installation, Add	10.94	
For Work In Restricted Working Space, Add	65.61	



<b>Plumbing</b>	<b>22</b>	<b>22</b>
<b>Plumbing Piping</b>	<b>22 10</b>	
<b>Facility Sanitary Sewerage</b>	<b>22 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0144 EA 12" x 8" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,004.11 268.15 11.90 71.39	158.71
<b>22 13 16 00-0145 Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends</b> (22 13 16 00-0030)		
22 13 16 00-0146 EA 2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	132.45 20.13 3.75 22.48	49.99
22 13 16 00-0147 EA 3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	178.62 27.42 5.01 30.09	66.88
22 13 16 00-0148 EA 4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	235.59 38.58 6.27 37.61	83.63
22 13 16 00-0149 EA 6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	532.04 119.60 9.52 57.10	126.93
<b>22 13 16 00-0150 Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends</b> (22 13 16 00-0030)		
22 13 16 00-0151 EA 3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	180.81 31.82 4.49 26.97	59.98
22 13 16 00-0152 EA 4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	216.40 40.09 5.09 30.56	67.92
22 13 16 00-0153 EA 4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	243.34 45.50 5.67 34.00	75.62
22 13 16 00-0154 EA 6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	506.77 127.68 7.10 42.59	94.67
<b>22 13 16 00-0155 Bell And Spigot Cast Iron Sanitary Tees</b> (22 13 16 00-0030)		
22 13 16 00-0156 EA 2" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	107.57 15.69 3.14 18.82	41.85
22 13 16 00-0157 EA 3" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	123.36 19.16 3.43 20.59	45.76
22 13 16 00-0158 EA 4" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	208.66 43.60 4.20 25.23	56.06
22 13 16 00-0159 EA 5" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	308.30 77.62 4.33 25.96	57.68
22 13 16 00-0160 EA 6" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	369.87 93.15 5.19 31.12	69.19
22 13 16 00-0161 EA 8" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	837.62 245.25 6.85 41.08	91.32
22 13 16 00-0162 EA 10" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,276.79 388.43 8.35 50.10	111.36
22 13 16 00-0163 EA 12" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,929.77 606.76 9.81 58.85	130.82
<b>22 13 16 00-0164 Bell And Spigot Cast Iron Reducing Sanitary Tees</b> (22 13 16 00-0030)		





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0165	EA		3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee .....	151.38	43.67
			<i>For Extra Heavy Fittings, Add</i>	30.06	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.28	
			<i>For Work In Restricted Working Space, Add</i>	19.65	
22 13 16 00-0166	EA		4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee .....	179.56	51.17
			<i>For Extra Heavy Fittings, Add</i>	36.00	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.84	
			<i>For Work In Restricted Working Space, Add</i>	23.01	
22 13 16 00-0167	EA		4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee .....	189.47	51.17
			<i>For Extra Heavy Fittings, Add</i>	39.47	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.84	
			<i>For Work In Restricted Working Space, Add</i>	23.01	
22 13 16 00-0168	EA		6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee .....	284.24	66.24
			<i>For Extra Heavy Fittings, Add</i>	64.74	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.96	
			<i>For Work In Restricted Working Space, Add</i>	29.78	
22 13 16 00-0169	EA		6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee .....	296.97	67.45
			<i>For Extra Heavy Fittings, Add</i>	68.54	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.06	
			<i>For Work In Restricted Working Space, Add</i>	30.35	
22 13 16 00-0170	EA		6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee .....	323.07	71.96
			<i>For Extra Heavy Fittings, Add</i>	75.31	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.40	
			<i>For Work In Restricted Working Space, Add</i>	32.37	
22 13 16 00-0171	EA		8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee .....	578.78	85.78
			<i>For Extra Heavy Fittings, Add</i>	157.55	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.43	
			<i>For Work In Restricted Working Space, Add</i>	38.59	
22 13 16 00-0172	EA		8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee .....	735.27	95.42
			<i>For Extra Heavy Fittings, Add</i>	207.26	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.15	
			<i>For Work In Restricted Working Space, Add</i>	42.93	
<b>22 13 16 00-0173</b>			<b>Bell And Spigot Cast Iron Vent Tees</b> (22 13 16 00-0030)		
22 13 16 00-0174	EA		2" Bell And Spigot Cast Iron Vent Tee .....	88.87	41.79
			<i>For Extra Heavy Fittings, Add</i>	9.17	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.13	
			<i>For Work In Restricted Working Space, Add</i>	18.80	
22 13 16 00-0175	EA		3" Bell And Spigot Cast Iron Vent Tee .....	114.20	45.76
			<i>For Extra Heavy Fittings, Add</i>	15.95	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.43	
			<i>For Work In Restricted Working Space, Add</i>	20.59	
22 13 16 00-0176	EA		4" Bell And Spigot Cast Iron Vent Tee .....	151.66	59.98
			<i>For Extra Heavy Fittings, Add</i>	21.62	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.49	
			<i>For Work In Restricted Working Space, Add</i>	26.97	
22 13 16 00-0177	EA		5" Bell And Spigot Cast Iron Vent Tee .....	190.22	65.43
			<i>For Extra Heavy Fittings, Add</i>	32.25	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.90	
			<i>For Work In Restricted Working Space, Add</i>	29.42	
22 13 16 00-0178	EA		6" Bell And Spigot Cast Iron Vent Tee .....	240.37	81.16
			<i>For Extra Heavy Fittings, Add</i>	41.55	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.08	
			<i>For Work In Restricted Working Space, Add</i>	36.50	
22 13 16 00-0179	EA		8" Bell And Spigot Cast Iron Vent Tee .....	437.60	107.62
			<i>For Extra Heavy Fittings, Add</i>	96.69	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.07	
			<i>For Work In Restricted Working Space, Add</i>	48.40	
<b>22 13 16 00-0180</b>			<b>Bell And Spigot Cast Iron Tapped Sanitary Tees</b> (22 13 16 00-0030)		
22 13 16 00-0181	EA		2" Bell And Spigot Cast Iron Tapped Sanitary Tee .....	91.94	41.79
			<i>For Extra Heavy Fittings, Add</i>	10.24	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.13	
			<i>For Work In Restricted Working Space, Add</i>	18.80	
22 13 16 00-0182	EA		3" Bell And Spigot Cast Iron Tapped Sanitary Tee .....	101.70	45.76
			<i>For Extra Heavy Fittings, Add</i>	11.58	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.43	
			<i>For Work In Restricted Working Space, Add</i>	20.59	
22 13 16 00-0183	EA		4" Bell And Spigot Cast Iron Tapped Sanitary Tee .....	130.66	59.98
			<i>For Extra Heavy Fittings, Add</i>	14.27	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.49	
			<i>For Work In Restricted Working Space, Add</i>	26.97	
<b>22 13 16 00-0184</b>			<b>Bell And Spigot Cast Iron Tapped Sanitary Crosses</b> (22 13 16 00-0030)		
22 13 16 00-0185	EA		2" Bell And Spigot Cast Iron Tapped Sanitary Cross .....	93.87	41.79
			<i>For Extra Heavy Fittings, Add</i>	10.92	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.13	
			<i>For Work In Restricted Working Space, Add</i>	18.80	
22 13 16 00-0186	EA		3" Bell And Spigot Cast Iron Tapped Sanitary Cross .....	105.38	45.76
			<i>For Extra Heavy Fittings, Add</i>	12.87	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.43	
			<i>For Work In Restricted Working Space, Add</i>	20.59	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0187	EA			4" Bell And Spigot Cast Iron Tapped Sanitary Cross..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	139.91 17.51 4.49 26.97	59.98
<b>22 13 16 00-0188 Bell And Spigot Cast Iron Reducers (22 13 16 00-0030)</b>						
22 13 16 00-0189	EA			3" x 2" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.79 5.80 1.76 10.57	23.54
22 13 16 00-0190	EA			4" x 2" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	63.89 6.06 2.33 13.97	31.03
22 13 16 00-0191	EA			4" x 3" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	69.41 7.88 2.35 14.07	31.29
22 13 16 00-0192	EA			6" x 2" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	85.25 11.45 2.63 15.77	35.02
22 13 16 00-0193	EA			6" x 3" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	90.00 12.87 2.66 15.97	35.49
22 13 16 00-0194	EA			6" x 4" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	93.19 13.61 2.72 16.29	36.24
22 13 16 00-0195	EA			8" x 2" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	127.76 25.12 2.80 16.80	37.34
22 13 16 00-0196	EA			8" x 3" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	142.00 25.38 3.47 20.84	46.34
22 13 16 00-0197	EA			8" x 4" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	145.75 26.06 3.56 21.39	47.53
22 13 16 00-0198	EA			8" x 6" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	150.19 26.54 3.72 22.31	49.61
22 13 16 00-0199	EA			10" x 4" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	192.03 37.99 4.18 25.05	55.68
22 13 16 00-0200	EA			10" x 6" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	202.61 40.22 4.39 26.31	58.48
22 13 16 00-0201	EA			10" x 8" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	216.80 43.85 4.58 27.46	61.04
22 13 16 00-0202	EA			12" x 4" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	276.33 62.01 4.96 29.75	66.16
22 13 16 00-0203	EA			12" x 6" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	305.58 66.33 5.80 34.82	77.40
22 13 16 00-0204	EA			12" x 8" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	327.31 68.29 6.61 39.66	88.16
22 13 16 00-0205	EA			12" x 10" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	355.04 70.98 7.61 45.67	101.55
22 13 16 00-0206	EA			15" x 6" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	486.27 116.91 7.61 45.67	101.55
22 13 16 00-0207	EA			15" x 8" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	516.40 123.30 8.21 49.23	109.46



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0208	EA		15" x 10" Bell And Spigot Cast Iron Reducer .....	536.67	115.40
			<i>For Extra Heavy Fittings, Add</i>	127.26	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.65	
			<i>For Work In Restricted Working Space, Add</i>	51.92	
22 13 16 00-0209	EA		15" x 12" Bell And Spigot Cast Iron Reducer .....	564.36	123.20
			<i>For Extra Heavy Fittings, Add</i>	132.86	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.24	
			<i>For Work In Restricted Working Space, Add</i>	55.43	
<b>22 13 16 00-0210</b>			<b>Bell And Spigot Cast Iron P-Traps</b> <small>(22 13 16 00-0030)</small>		
22 13 16 00-0211	EA		2" Bell And Spigot Cast Iron P-Trap.....	56.34	18.71
			<i>For Extra Heavy Fittings, Add</i>	9.91	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.40	
			<i>For Work In Restricted Working Space, Add</i>	8.41	
22 13 16 00-0212	EA		3" Bell And Spigot Cast Iron P-Trap.....	76.42	23.54
			<i>For Extra Heavy Fittings, Add</i>	14.42	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.76	
			<i>For Work In Restricted Working Space, Add</i>	10.57	
22 13 16 00-0213	EA		4" Bell And Spigot Cast Iron P-Trap.....	104.61	31.29
			<i>For Extra Heavy Fittings, Add</i>	20.20	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.35	
			<i>For Work In Restricted Working Space, Add</i>	14.07	
22 13 16 00-0214	EA		5" Bell And Spigot Cast Iron P-Trap.....	172.32	32.43
			<i>For Extra Heavy Fittings, Add</i>	43.30	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.43	
			<i>For Work In Restricted Working Space, Add</i>	14.58	
22 13 16 00-0215	EA		6" Bell And Spigot Cast Iron P-Trap.....	235.35	38.14
			<i>For Extra Heavy Fittings, Add</i>	62.36	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.86	
			<i>For Work In Restricted Working Space, Add</i>	17.15	
22 13 16 00-0216	EA		8" Bell And Spigot Cast Iron P-Trap.....	549.99	49.61
			<i>For Extra Heavy Fittings, Add</i>	166.47	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.72	
			<i>For Work In Restricted Working Space, Add</i>	22.31	
22 13 16 00-0217	EA		10" Bell And Spigot Cast Iron P-Trap.....	605.37	61.04
			<i>For Extra Heavy Fittings, Add</i>	179.85	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.58	
			<i>For Work In Restricted Working Space, Add</i>	27.46	
<b>22 13 16 00-0218</b>			<b>Bell And Spigot Cast Iron Deep Seal P-Traps</b> <small>(22 13 16 00-0030)</small>		
22 13 16 00-0219	EA		2" Bell And Spigot Cast Iron Deep Seal P-Trap.....	67.10	18.71
			<i>For Extra Heavy Fittings, Add</i>	13.67	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.40	
			<i>For Work In Restricted Working Space, Add</i>	8.41	
22 13 16 00-0220	EA		3" Bell And Spigot Cast Iron Deep Seal P-Trap.....	97.56	23.54
			<i>For Extra Heavy Fittings, Add</i>	21.82	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.76	
			<i>For Work In Restricted Working Space, Add</i>	10.57	
22 13 16 00-0221	EA		4" Bell And Spigot Cast Iron Deep Seal P-Trap.....	143.91	31.29
			<i>For Extra Heavy Fittings, Add</i>	33.95	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.35	
			<i>For Work In Restricted Working Space, Add</i>	14.07	
22 13 16 00-0222	EA		5" Bell And Spigot Cast Iron Deep Seal P-Trap.....	240.17	36.24
			<i>For Extra Heavy Fittings, Add</i>	65.05	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.72	
			<i>For Work In Restricted Working Space, Add</i>	16.29	
22 13 16 00-0223	EA		6" Bell And Spigot Cast Iron Deep Seal P-Trap.....	253.41	40.41
			<i>For Extra Heavy Fittings, Add</i>	67.48	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.03	
			<i>For Work In Restricted Working Space, Add</i>	18.18	
<b>22 13 16 00-0224</b>			<b>Bell And Spigot Cast Iron Running Traps With Single Vent</b> <small>(22 13 16 00-0030)</small>		
22 13 16 00-0225	EA		3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent.....	153.19	45.17
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.43	
			<i>For Work In Restricted Working Space, Add</i>	20.59	
22 13 16 00-0226	EA		4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....	205.00	59.38
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.49	
			<i>For Work In Restricted Working Space, Add</i>	26.97	
22 13 16 00-0227	EA		5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....	278.45	62.94
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.76	
			<i>For Work In Restricted Working Space, Add</i>	28.55	
22 13 16 00-0228	EA		6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....	601.28	71.33
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.40	
			<i>For Work In Restricted Working Space, Add</i>	32.37	
22 13 16 00-0229	EA		8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent.....	2,087.35	84.83
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.43	
			<i>For Work In Restricted Working Space, Add</i>	38.59	
22 13 16 00-0230	EA		8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent.....	2,258.21	94.65
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.15	
			<i>For Work In Restricted Working Space, Add</i>	42.93	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 13 16 00-0231 Bell And Spigot Cast Running Traps With Double Vent</b> <small>(22 13 16 00-0030)</small>					
22 13 16 00-0232	EA		3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent.....	193.27	62.39
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.72	
			<i>For Work In Restricted Working Space, Add</i>	28.34	
22 13 16 00-0233	EA		4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent.....	267.78	78.74
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.98	
			<i>For Work In Restricted Working Space, Add</i>	35.87	
22 13 16 00-0234	EA		6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent.....	663.52	88.15
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.69	
			<i>For Work In Restricted Working Space, Add</i>	40.11	
22 13 16 00-0235	EA		6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent.....	766.28	106.70
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.08	
			<i>For Work In Restricted Working Space, Add</i>	48.51	
22 13 16 00-0236	EA		8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent.....	2,239.66	102.86
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.80	
			<i>For Work In Restricted Working Space, Add</i>	46.81	
22 13 16 00-0237	EA		8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent.....	2,451.02	122.13
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.24	
			<i>For Work In Restricted Working Space, Add</i>	55.43	
22 13 16 00-0238	EA		10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent.....	3,275.58	140.93
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.69	
			<i>For Work In Restricted Working Space, Add</i>	64.14	
22 13 16 00-0239	EA		12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent.....	4,557.75	162.95
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.34	
			<i>For Work In Restricted Working Space, Add</i>	74.06	
22 13 16 00-0240	EA		15" x 12" Bell And Spigot Cast Iron Running Trap With Double Vent.....	8,967.93	188.46
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.28	
			<i>For Work In Restricted Working Space, Add</i>	85.70	
<b>22 13 16 00-0241 Bell And Spigot Cast Iron Scission Joint Fittings</b> <small>(22 13 16 00-0030)</small>					
22 13 16 00-0242	EA		2" Bell And Spigot Cast Iron Scission Joint Fitting.....	129.02	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.40	
			<i>For Work In Restricted Working Space, Add</i>	8.39	
22 13 16 00-0243	EA		3" Bell And Spigot Cast Iron Scission Joint Fitting.....	180.93	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.57	
			<i>For Work In Restricted Working Space, Add</i>	9.43	
22 13 16 00-0244	EA		4" Bell And Spigot Cast Iron Scission Joint Fitting.....	206.52	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.10	
			<i>For Work In Restricted Working Space, Add</i>	12.63	
22 13 16 00-0245	EA		5" Bell And Spigot Cast Iron Scission Joint Fitting.....	256.33	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.45	
			<i>For Work In Restricted Working Space, Add</i>	14.67	
22 13 16 00-0246	EA		6" Bell And Spigot Cast Iron Scission Joint Fitting.....	311.40	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.95	
			<i>For Work In Restricted Working Space, Add</i>	17.72	
22 13 16 00-0247	EA		8" Bell And Spigot Cast Iron Scission Joint Fitting.....	605.33	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.73	
			<i>For Work In Restricted Working Space, Add</i>	22.40	
<b>22 13 16 00-0248 Cut And Prepare Existing In-Place Cast Iron Pipe</b> <small>(22 13 16 00-0019)</small>					
Note: For use when connecting pipe to an existing in-place system.					
22 13 16 00-0249	EA		2", Cut And Prepare Existing In-Place Cast Iron Pipe.....	7.79	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	0.39	
			<i>For Work In Restricted Working Space, Add</i>	2.34	
22 13 16 00-0250	EA		3", Cut And Prepare Existing In-Place Cast Iron Pipe.....	8.50	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	0.43	
			<i>For Work In Restricted Working Space, Add</i>	2.55	
22 13 16 00-0251	EA		4", Cut And Prepare Existing In-Place Cast Iron Pipe.....	10.62	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	0.53	
			<i>For Work In Restricted Working Space, Add</i>	3.19	
22 13 16 00-0252	EA		6", Cut And Prepare Existing In-Place Cast Iron Pipe.....	12.75	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	0.64	
			<i>For Work In Restricted Working Space, Add</i>	3.83	
22 13 16 00-0253	EA		8", Cut And Prepare Existing In-Place Cast Iron Pipe.....	16.99	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	0.85	
			<i>For Work In Restricted Working Space, Add</i>	5.10	
22 13 16 00-0254	EA		10", Cut And Prepare Existing In-Place Cast Iron Pipe.....	19.82	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	0.99	
			<i>For Work In Restricted Working Space, Add</i>	5.95	
22 13 16 00-0255	EA		12", Cut And Prepare Existing In-Place Cast Iron Pipe.....	23.37	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.17	
			<i>For Work In Restricted Working Space, Add</i>	7.01	
22 13 16 00-0256	EA		15", Cut And Prepare Existing In-Place Cast Iron Pipe.....	26.91	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.35	
			<i>For Work In Restricted Working Space, Add</i>	8.07	
<b>22 13 16 00-0257 Joint Material</b> <small>(22 13 16 00-0019)</small>					
Note: Labor costs are included in the installation costs for fittings.					
22 13 16 00-0258	LB		Lead (1 LB/Diameter Inch) Joint Material.....	4.97	
22 13 16 00-0259	LB		Oakum (1/8 LB/Diameter Inch) Joint Material.....	9.75	
22 13 16 00-0260	EA		2" Dual Tite Rubber Gasket.....	0.72	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0261	EA		3" Dual Tite Rubber Gasket .....	0.99	
22 13 16 00-0262	EA		4" Dual Tite Rubber Gasket .....	1.23	
22 13 16 00-0263	EA		6" Dual Tite Rubber Gasket .....	2.04	
22 13 16 00-0264	EA		8" Dual Tite Rubber Gasket .....	4.49	
22 13 16 00-0265	EA		10" Dual Tite Rubber Gasket .....	6.89	
22 13 16 00-0266	EA		12" Dual Tite Rubber Gasket .....	8.78	
22 13 16 00-0267	EA		15" Dual Tite Rubber Gasket .....	10.43	
<b>22 13 16 00-0268</b>			<b>No Hub Cast Iron Soil Pipe And Fittings</b> (22 13 16)		
			Note: Service Weight. Excludes hangers.		
<b>22 13 16 00-0269</b>			<b>No Hub Cast Iron Pipe</b> (22 13 16 00-0268)		
			Note: Excludes couplings.		
22 13 16 00-0270	LF		1-1/2" No Hub Cast Iron Pipe.....	10.52	3.91
			For Below Ground Installation, Add	0.29	
			For Work In Restricted Working Space, Add	1.76	
22 13 16 00-0271	LF		2" No Hub Cast Iron Pipe.....	11.18	4.17
			For Below Ground Installation, Add	0.32	
			For Work In Restricted Working Space, Add	1.89	
22 13 16 00-0272	LF		3" No Hub Cast Iron Pipe.....	15.88	6.06
			For Below Ground Installation, Add	0.46	
			For Work In Restricted Working Space, Add	2.74	
22 13 16 00-0273	LF		4" No Hub Cast Iron Pipe.....	20.60	7.89
			For Below Ground Installation, Add	0.59	
			For Work In Restricted Working Space, Add	3.56	
22 13 16 00-0274	LF		5" No Hub Cast Iron Pipe.....	25.44	8.84
			For Below Ground Installation, Add	0.66	
			For Work In Restricted Working Space, Add	3.98	
22 13 16 00-0275	LF		6" No Hub Cast Iron Pipe.....	29.52	9.66
			For Below Ground Installation, Add	0.72	
			For Work In Restricted Working Space, Add	4.34	
22 13 16 00-0276	LF		8" No Hub Cast Iron Pipe.....	45.05	13.98
			For Below Ground Installation, Add	1.05	
			For Work In Restricted Working Space, Add	6.28	
22 13 16 00-0277	LF		10" No Hub Cast Iron Pipe.....	63.81	15.89
			For Below Ground Installation, Add	1.19	
			For Work In Restricted Working Space, Add	7.14	
<b>22 13 16 00-0278</b>			<b>No Hub Cast Iron Fittings</b> (22 13 16 00-0268)		
<b>22 13 16 00-0279</b>			<b>No Hub Cast Iron Long Sweeps</b> (22 13 16 00-0278)		
22 13 16 00-0280	EA		1-1/2" No Hub Cast Iron Long Sweep .....	39.72	18.51
			For Below Ground Installation, Add	1.39	
			For Work In Restricted Working Space, Add	8.32	
22 13 16 00-0281	EA		2" No Hub Cast Iron Long Sweep .....	40.02	18.51
			For Below Ground Installation, Add	1.39	
			For Work In Restricted Working Space, Add	8.32	
22 13 16 00-0282	EA		3" No Hub Cast Iron Long Sweep .....	47.19	21.19
			For Below Ground Installation, Add	1.59	
			For Work In Restricted Working Space, Add	9.54	
22 13 16 00-0283	EA		4" No Hub Cast Iron Long Sweep .....	65.00	28.03
			For Below Ground Installation, Add	2.10	
			For Work In Restricted Working Space, Add	12.62	
22 13 16 00-0284	EA		5" No Hub Cast Iron Long Sweep .....	85.98	29.19
			For Below Ground Installation, Add	2.19	
			For Work In Restricted Working Space, Add	13.12	
22 13 16 00-0285	EA		6" No Hub Cast Iron Long Sweep .....	102.00	34.80
			For Below Ground Installation, Add	2.61	
			For Work In Restricted Working Space, Add	15.66	
22 13 16 00-0286	EA		8" No Hub Cast Iron Long Sweep .....	204.10	45.33
			For Below Ground Installation, Add	3.40	
			For Work In Restricted Working Space, Add	20.39	
<b>22 13 16 00-0287</b>			<b>No Hub Cast Iron Reducing Long Sweeps</b> (22 13 16 00-0278)		
22 13 16 00-0288	EA		3" x 2" No Hub Cast Iron Reducing Long Sweep .....	59.87	21.19
			For Below Ground Installation, Add	1.59	
			For Work In Restricted Working Space, Add	9.54	
22 13 16 00-0289	EA		4" x 3" No Hub Cast Iron Reducing Long Sweep .....	89.16	28.03
			For Below Ground Installation, Add	2.10	
			For Work In Restricted Working Space, Add	12.62	
<b>22 13 16 00-0290</b>			<b>No Hub Cast Iron Short Sweeps</b> (22 13 16 00-0278)		
22 13 16 00-0291	EA		2" No Hub Cast Iron Short Sweep .....	37.47	18.51
			For Below Ground Installation, Add	1.39	
			For Work In Restricted Working Space, Add	8.32	
22 13 16 00-0292	EA		3" No Hub Cast Iron Short Sweep .....	45.17	21.19
			For Below Ground Installation, Add	1.59	
			For Work In Restricted Working Space, Add	9.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0293 EA 4" No Hub Cast Iron Short Sweep ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	63.94 2.10 12.62	28.03
22 13 16 00-0294 EA 5" No Hub Cast Iron Short Sweep ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	86.38 2.19 13.12	29.19
22 13 16 00-0295 EA 6" No Hub Cast Iron Short Sweep ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	95.81 2.61 15.66	34.80
22 13 16 00-0296 EA 8" No Hub Cast Iron Short Sweep ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	185.40 3.40 20.39	45.33
22 13 16 00-0297 EA 10" No Hub Cast Iron Short Sweep ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	301.71 4.76 28.55	63.48
<b>22 13 16 00-0298 No Hub Cast Iron 1/4 Bends (22 13 16 00-0278)</b>		
22 13 16 00-0299 EA 1-1/2" No Hub Cast Iron 1/4 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	34.16 1.33 7.98	17.73
22 13 16 00-0300 EA 2" No Hub Cast Iron 1/4 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.72 1.39 8.32	18.51
22 13 16 00-0301 EA 3" No Hub Cast Iron 1/4 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	42.33 1.59 9.54	21.19
22 13 16 00-0302 EA 4" No Hub Cast Iron 1/4 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	57.65 2.10 12.62	28.03
22 13 16 00-0303 EA 5" No Hub Cast Iron 1/4 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	78.56 2.19 13.12	29.19
22 13 16 00-0304 EA 6" No Hub Cast Iron 1/4 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	90.81 2.61 15.66	34.80
22 13 16 00-0305 EA 8" No Hub Cast Iron 1/4 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	170.83 3.40 20.39	45.33
<b>22 13 16 00-0306 No Hub Cast Iron 1/8 Bends (22 13 16 00-0278)</b>		
22 13 16 00-0307 EA 1-1/2" No Hub Cast Iron 1/8 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.54 1.33 7.98	17.73
22 13 16 00-0308 EA 2" No Hub Cast Iron 1/8 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.80 1.39 8.32	18.51
22 13 16 00-0309 EA 3" No Hub Cast Iron 1/8 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	40.44 1.59 9.54	21.19
22 13 16 00-0310 EA 4" No Hub Cast Iron 1/8 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	53.41 2.10 12.62	28.03
22 13 16 00-0311 EA 6" No Hub Cast Iron 1/8 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	88.00 3.10 18.62	41.39
22 13 16 00-0312 EA 8" No Hub Cast Iron 1/8 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	150.48 4.07 24.45	54.37
22 13 16 00-0313 EA 10" No Hub Cast Iron 1/8 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	230.42 5.01 30.09	66.88
<b>22 13 16 00-0314 No Hub Cast Iron Reducing Wyes (22 13 16 00-0278)</b>		
22 13 16 00-0315 EA 3" x 1-1/2" No Hub Cast Iron Reducing Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	65.59 2.71 16.23	36.11
22 13 16 00-0316 EA 3" x 2" No Hub Cast Iron Reducing Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	73.57 3.10 18.62	41.39
22 13 16 00-0317 EA 4" x 2" No Hub Cast Iron Reducing Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	83.32 3.43 20.59	45.76
22 13 16 00-0318 EA 4" x 3" No Hub Cast Iron Reducing Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	95.94 3.81 22.87	50.85
22 13 16 00-0319 EA 6" x 2" No Hub Cast Iron Reducing Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	118.76 4.30 25.83	57.40
22 13 16 00-0320 EA 6" x 3" No Hub Cast Iron Reducing Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	126.76 4.50 26.98	59.99



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0321 EA 6" x 4" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	145.44 5.25 31.53	70.12
22 13 16 00-0322 EA 8" x 4" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	188.48 5.35 32.09	71.33
22 13 16 00-0323 EA 8" x 6" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	218.20 5.88 35.25	78.41
22 13 16 00-0324 EA 10" x 4" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	338.49 6.26 37.57	83.52
22 13 16 00-0325 EA 10" x 6" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	357.17 6.70 40.22	89.42
22 13 16 00-0326 EA 10" x 8" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	411.06 7.16 42.94	95.48
<b>22 13 16 00-0327 No Hub Cast Iron Wyes</b> (22 13 16 00-0278)		
22 13 16 00-0328 EA 1-1/2" No Hub Cast Iron Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	52.32 2.09 12.54	27.90
22 13 16 00-0329 EA 2" No Hub Cast Iron Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	67.35 2.83 17.01	37.81
22 13 16 00-0330 EA 3" No Hub Cast Iron Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	76.65 3.10 18.62	41.39
22 13 16 00-0331 EA 4" No Hub Cast Iron Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	105.13 4.07 24.45	54.37
22 13 16 00-0332 EA 5" No Hub Cast Iron Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	136.32 4.26 25.55	56.82
22 13 16 00-0333 EA 6" No Hub Cast Iron Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	161.76 5.06 30.35	67.45
22 13 16 00-0334 EA 8" No Hub Cast Iron Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	278.39 6.80 40.79	90.72
22 13 16 00-0335 EA 10" No Hub Cast Iron Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	459.44 7.55 45.33	100.78
<b>22 13 16 00-0336 No Hub Cast Iron Combination Wye And 1/8 Bends</b> (22 13 16 00-0278)		
22 13 16 00-0337 EA 1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	59.30 2.43 14.59	32.46
22 13 16 00-0338 EA 2" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	67.78 2.83 17.01	37.81
22 13 16 00-0339 EA 3" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	79.89 3.10 18.62	41.39
22 13 16 00-0340 EA 4" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	114.29 4.07 24.45	54.37
22 13 16 00-0341 EA 6" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	207.95 6.27 37.61	83.63
22 13 16 00-0342 EA 8" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	368.10 8.04 48.26	107.30
22 13 16 00-0343 EA 10" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	432.41 9.72 58.34	129.73
<b>22 13 16 00-0344 No Hub Cast Iron Reducing Combination Wye And 1/8 Bends</b> (22 13 16 00-0278)		
22 13 16 00-0345 EA 2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	68.31 2.83 17.01	37.81
22 13 16 00-0346 EA 3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	75.19 3.10 18.62	41.39
22 13 16 00-0347 EA 4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	86.56 3.43 20.59	45.76
22 13 16 00-0348 EA 4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	99.08 3.81 22.87	50.85



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0349 EA 6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	128.20 4.30 25.83	57.40
22 13 16 00-0350 EA 6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	143.25 4.50 26.98	59.99
22 13 16 00-0351 EA 6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	159.87 5.25 31.53	70.12
22 13 16 00-0352 EA 8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	215.46 5.35 32.09	71.33
22 13 16 00-0353 EA 8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	279.87 5.88 35.25	78.41
<b>22 13 16 00-0354 No Hub Cast Iron Double Wyes (22 13 16 00-0278)</b>		
22 13 16 00-0355 EA 2" No Hub Cast Iron Double Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	85.33 3.52 21.14	47.00
22 13 16 00-0356 EA 3" No Hub Cast Iron Double Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	113.18 4.29 25.73	57.23
22 13 16 00-0357 EA 4" No Hub Cast Iron Double Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	150.21 4.69 28.14	62.58
22 13 16 00-0358 EA 6" No Hub Cast Iron Double Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	224.62 6.37 38.23	85.03
22 13 16 00-0359 EA 8" No Hub Cast Iron Double Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	436.26 8.65 51.92	115.40
<b>22 13 16 00-0360 No Hub Cast Iron Reducing Double Wyes (22 13 16 00-0278)</b>		
22 13 16 00-0361 EA 3" x 2" No Hub Cast Iron Double Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	101.57 3.90 23.42	52.08
22 13 16 00-0362 EA 4" x 2" No Hub Cast Iron Double Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	121.50 4.50 26.98	59.98
22 13 16 00-0363 EA 4" x 3" No Hub Cast Iron Double Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	133.64 4.90 29.41	65.38
22 13 16 00-0364 EA 6" x 4" No Hub Cast Iron Double Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	191.21 5.62 33.72	74.96
<b>22 13 16 00-0365 No Hub Cast Iron Double Combination Wye And 1/8 Bends (22 13 16 00-0278)</b>		
22 13 16 00-0366 EA 2" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	110.71 4.23 25.40	56.45
22 13 16 00-0367 EA 3" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	134.15 4.69 28.14	62.58
22 13 16 00-0368 EA 4" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	201.23 6.21 37.25	82.86
22 13 16 00-0369 EA 6" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	281.70 9.59 57.52	127.90
<b>22 13 16 00-0370 No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0278)</b>		
22 13 16 00-0371 EA 3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	103.05 3.64 21.85	48.56
22 13 16 00-0372 EA 4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	119.48 4.23 25.40	56.45
22 13 16 00-0373 EA 4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	143.08 4.62 27.74	61.67
<b>22 13 16 00-0374 No Hub Cast Iron Sanitary Tees (22 13 16 00-0278)</b>		
22 13 16 00-0375 EA 1-1/2" No Hub Cast Iron Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.00 2.05 12.30	27.32



**22 Plumbing****22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0376 EA 2" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	67.88 2.83 17.01	37.81
22 13 16 00-0377 EA 3" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	75.45 3.10 18.62	41.39
22 13 16 00-0378 EA 4" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	102.41 4.07 24.45	54.37
22 13 16 00-0379 EA 5" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	136.89 4.26 25.55	56.82
22 13 16 00-0380 EA 6" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	161.36 5.06 30.35	67.45
22 13 16 00-0381 EA 8" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	311.85 6.80 40.79	90.72
22 13 16 00-0382 EA 2" x 1-1/2" No Hub Cast Iron Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	57.42 2.31 13.87	30.84
22 13 16 00-0383 EA 3" x 1-1/2" No Hub Cast Iron Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	66.51 2.71 16.23	36.11
<b>22 13 16 00-0384 No Hub Cast Iron Reducing Sanitary Tees (22 13 16 00-0278)</b>		
22 13 16 00-0385 EA 3" x 2" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	69.10 2.83 17.01	37.81
22 13 16 00-0386 EA 3" x 4" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	81.91 2.83 17.01	37.81
22 13 16 00-0387 EA 4" x 2" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	92.62 3.84 23.01	51.17
22 13 16 00-0388 EA 4" x 3" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	95.73 3.84 23.01	51.17
22 13 16 00-0389 EA 5" x 2" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	117.90 4.05 24.28	53.98
22 13 16 00-0390 EA 5" x 3" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	122.23 4.05 24.28	53.98
22 13 16 00-0391 EA 5" x 4" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	122.76 4.05 24.28	53.98
22 13 16 00-0392 EA 6" x 4" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	127.36 4.21 25.29	56.24
22 13 16 00-0393 EA 8" x 6" No Hub Cast Iron Reducing Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	245.73 5.73 34.40	76.50
<b>22 13 16 00-0394 No Hub Cast Iron Sanitary Tapped Tees (22 13 16 00-0278)</b>		
22 13 16 00-0395 EA 2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.96 1.39 8.32	18.51
22 13 16 00-0396 EA 3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	45.27 1.59 9.54	21.19
22 13 16 00-0397 EA 4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	55.83 2.10 12.62	28.03
<b>22 13 16 00-0398 No Hub Cast Iron Cleanout Tees (22 13 16 00-0278)</b>		
22 13 16 00-0399 EA 2" No Hub Cast Iron Cleanout Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	37.01 1.39 8.32	18.51
22 13 16 00-0400 EA 3" No Hub Cast Iron Cleanout Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	46.70 1.59 9.54	21.19
22 13 16 00-0401 EA 4" No Hub Cast Iron Cleanout Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	68.24 2.10 12.62	28.03
22 13 16 00-0402 EA 6" No Hub Cast Iron Cleanout Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	113.16 3.10 18.62	41.39
<b>22 13 16 00-0403 No Hub Cast Iron Two-Way Cleanout Tees (22 13 16 00-0278)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0404 EA 4" No Hub Cast Iron Single Two-Way Cleanout Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	156.26 4.07 24.45	54.37
22 13 16 00-0405 EA 4" No Hub Cast Iron Double Two-Way Cleanout Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	193.29 6.19 37.16	82.59
<b>22 13 16 00-0406 No Hub Cast Iron Cleanout Plugs</b> (22 13 16 00-0278)		
22 13 16 00-0407 EA 2" No Hub Cast Iron Cleanout Plug ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	31.68 1.39 8.32	18.51
22 13 16 00-0408 EA 3" No Hub Cast Iron Cleanout Plug ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	37.99 1.59 9.54	21.19
22 13 16 00-0409 EA 4" No Hub Cast Iron Cleanout Plug ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	53.81 2.10 12.62	28.03
22 13 16 00-0410 EA 6" No Hub Cast Iron Cleanout Plug ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	84.03 3.10 18.62	41.39
22 13 16 00-0411 EA 8" No Hub Cast Iron Cleanout Plug ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	111.65 4.07 24.45	54.37
<b>22 13 16 00-0412 No Hub Cast Iron Sanitary Crosses</b> (22 13 16 00-0278)		
22 13 16 00-0413 EA 1-1/2" No Hub Cast Iron Sanitary Cross ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	68.29 2.74 16.43	36.50
22 13 16 00-0414 EA 2" No Hub Cast Iron Sanitary Cross ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	73.57 2.83 17.01	37.81
22 13 16 00-0415 EA 3" No Hub Cast Iron Sanitary Cross ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	88.66 3.10 18.62	41.39
22 13 16 00-0416 EA 4" No Hub Cast Iron Sanitary Cross ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	131.44 4.07 24.45	54.37
<b>22 13 16 00-0417 No Hub Cast Iron Reducing Sanitary Crosses</b> (22 13 16 00-0278)		
22 13 16 00-0418 EA 3" x 2" No Hub Cast Iron Sanitary Cross ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	96.72 3.64 21.85	48.56
22 13 16 00-0419 EA 4" x 2" No Hub Cast Iron Sanitary Cross ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	108.73 3.75 22.49	49.99
22 13 16 00-0420 EA 4" x 3" No Hub Cast Iron Sanitary Cross ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	118.99 3.91 23.47	52.21
<b>22 13 16 00-0421 No Hub Cast Iron Reducers</b> (22 13 16 00-0278)		
22 13 16 00-0422 EA 3" x 2" No Hub Cast Iron Reducer ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	62.35 2.83 17.01	37.81
22 13 16 00-0423 EA 4" x 2" No Hub Cast Iron Reducer ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	85.34 3.84 23.01	51.17
22 13 16 00-0424 EA 4" x 3" No Hub Cast Iron Reducer ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	85.60 3.84 23.01	51.17
22 13 16 00-0425 EA 5" x 2" No Hub Cast Iron Reducer ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	93.60 4.05 24.28	53.98
22 13 16 00-0426 EA 5" x 3" No Hub Cast Iron Reducer ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	95.35 4.05 24.28	53.98
22 13 16 00-0427 EA 5" x 4" No Hub Cast Iron Reducer ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	96.05 4.05 24.28	53.98
22 13 16 00-0428 EA 6" x 3" No Hub Cast Iron Reducer ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	111.80 4.50 26.98	59.99
22 13 16 00-0429 EA 6" x 4" No Hub Cast Iron Reducer ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	112.07 4.50 26.98	59.99
22 13 16 00-0430 EA 6" x 5" No Hub Cast Iron Reducer ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	112.86 4.50 26.98	59.99
22 13 16 00-0431 EA 8" x 2" No Hub Cast Iron Reducer ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	156.07 6.35 38.07	84.65



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0432	EA		8" x 3" No Hub Cast Iron Reducer .....	158.09	84.65
			<i>For Below Ground Installation, Add</i>	6.35	
			<i>For Work In Restricted Working Space, Add</i>	38.07	
22 13 16 00-0433	EA		8" x 4" No Hub Cast Iron Reducer .....	161.34	84.65
			<i>For Below Ground Installation, Add</i>	6.35	
			<i>For Work In Restricted Working Space, Add</i>	38.07	
22 13 16 00-0434	EA		8" x 5" No Hub Cast Iron Reducer .....	164.71	84.65
			<i>For Below Ground Installation, Add</i>	6.35	
			<i>For Work In Restricted Working Space, Add</i>	38.07	
22 13 16 00-0435	EA		8" x 6" No Hub Cast Iron Reducer .....	165.11	84.65
			<i>For Below Ground Installation, Add</i>	6.35	
			<i>For Work In Restricted Working Space, Add</i>	38.07	
22 13 16 00-0436	EA		10" x 4" No Hub Cast Iron Reducer .....	196.48	89.30
			<i>For Below Ground Installation, Add</i>	6.69	
			<i>For Work In Restricted Working Space, Add</i>	40.16	
22 13 16 00-0437	EA		10" x 6" No Hub Cast Iron Reducer .....	209.99	93.22
			<i>For Below Ground Installation, Add</i>	6.99	
			<i>For Work In Restricted Working Space, Add</i>	41.94	
22 13 16 00-0438	EA		10" x 8" No Hub Cast Iron Reducer .....	235.78	101.19
			<i>For Below Ground Installation, Add</i>	7.59	
			<i>For Work In Restricted Working Space, Add</i>	45.51	
<b>22 13 16 00-0439</b>			<b>No Hub Cast Iron Blind Plugs</b> (22 13 16 00-0278)		
22 13 16 00-0440	EA		1-1/2" No Hub Cast Iron Blind Plug.....	29.85	17.73
			<i>For Below Ground Installation, Add</i>	1.33	
			<i>For Work In Restricted Working Space, Add</i>	7.98	
22 13 16 00-0441	EA		2" No Hub Cast Iron Blind Plug.....	30.85	18.51
			<i>For Below Ground Installation, Add</i>	1.39	
			<i>For Work In Restricted Working Space, Add</i>	8.32	
22 13 16 00-0442	EA		3" No Hub Cast Iron Blind Plug.....	37.33	21.19
			<i>For Below Ground Installation, Add</i>	1.59	
			<i>For Work In Restricted Working Space, Add</i>	9.54	
22 13 16 00-0443	EA		4" No Hub Cast Iron Blind Plug.....	49.47	28.03
			<i>For Below Ground Installation, Add</i>	2.10	
			<i>For Work In Restricted Working Space, Add</i>	12.62	
22 13 16 00-0444	EA		5" No Hub Cast Iron Blind Plug.....	58.28	30.05
			<i>For Below Ground Installation, Add</i>	2.23	
			<i>For Work In Restricted Working Space, Add</i>	13.35	
22 13 16 00-0445	EA		6" No Hub Cast Iron Blind Plug.....	66.11	34.80
			<i>For Below Ground Installation, Add</i>	2.61	
			<i>For Work In Restricted Working Space, Add</i>	15.66	
22 13 16 00-0446	EA		8" No Hub Cast Iron Blind Plug.....	111.84	45.33
			<i>For Below Ground Installation, Add</i>	3.40	
			<i>For Work In Restricted Working Space, Add</i>	20.39	
22 13 16 00-0447	EA		10" No Hub Cast Iron Blind Plug.....	136.28	48.84
			<i>For Below Ground Installation, Add</i>	3.66	
			<i>For Work In Restricted Working Space, Add</i>	21.97	
<b>22 13 16 00-0448</b>			<b>No Hub Cast Iron P-Traps</b> (22 13 16 00-0278)		
22 13 16 00-0449	EA		2" No Hub Cast Iron P-Trap .....	39.23	18.51
			<i>For Below Ground Installation, Add</i>	1.39	
			<i>For Work In Restricted Working Space, Add</i>	8.32	
22 13 16 00-0450	EA		3" No Hub Cast Iron P-Trap .....	57.98	21.19
			<i>For Below Ground Installation, Add</i>	1.59	
			<i>For Work In Restricted Working Space, Add</i>	9.54	
22 13 16 00-0451	EA		4" No Hub Cast Iron P-Trap .....	87.54	28.03
			<i>For Below Ground Installation, Add</i>	2.10	
			<i>For Work In Restricted Working Space, Add</i>	12.62	
22 13 16 00-0452	EA		5" No Hub Cast Iron P-Trap .....	148.16	29.42
			<i>For Below Ground Installation, Add</i>	2.20	
			<i>For Work In Restricted Working Space, Add</i>	13.22	
22 13 16 00-0453	EA		6" No Hub Cast Iron P-Trap .....	156.77	35.08
			<i>For Below Ground Installation, Add</i>	2.63	
			<i>For Work In Restricted Working Space, Add</i>	15.78	
<b>22 13 16 00-0454</b>			<b>No Hub Cast Iron Deep Seal P-Traps</b> (22 13 16 00-0278)		
22 13 16 00-0455	EA		2" No Hub Cast Iron Deep Seal P-Trap .....	62.64	23.54
			<i>For Below Ground Installation, Add</i>	1.76	
			<i>For Work In Restricted Working Space, Add</i>	10.57	
22 13 16 00-0456	EA		3" No Hub Cast Iron Deep Seal P-Trap .....	90.63	31.29
			<i>For Below Ground Installation, Add</i>	2.35	
			<i>For Work In Restricted Working Space, Add</i>	14.07	
22 13 16 00-0457	EA		4" No Hub Cast Iron Deep Seal P-Trap .....	132.10	41.33
			<i>For Below Ground Installation, Add</i>	3.10	
			<i>For Work In Restricted Working Space, Add</i>	18.58	
<b>22 13 16 00-0458</b>			<b>No Hub Cast Iron Closet Flanges</b> (22 13 16 00-0278)		
22 13 16 00-0459	EA		4" No Hub Cast Iron Closet Flange.....	60.27	28.03
			<i>For Below Ground Installation, Add</i>	2.10	
			<i>For Work In Restricted Working Space, Add</i>	12.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0460 EA 4" x 2-1/2" No Hub Cast Iron Offset Closet Flange ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	64.05 2.10 12.62	28.03
<b>22 13 16 00-0461 No Hub Cast Iron Closet Bends</b> (22 13 16 00-0278)		
22 13 16 00-0462 EA 4" x 16" No Hub Cast Iron Closet Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	113.33 2.10 12.62	28.03
<b>22 13 16 00-0463 No Hub Cast Iron Threaded Adapter</b> (22 13 16 00-0278)		
22 13 16 00-0464 EA 1-1/4" No Hub Cast Iron Threaded Adapter ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	45.09 1.76 10.57	23.54
22 13 16 00-0465 EA 1-1/2" No Hub Cast Iron Threaded Adapter ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.14 1.76 10.57	23.54
<b>22 13 16 00-0466 No Hub Couplings</b> (22 13 16 00-0278) Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Fenoco NH).		
22 13 16 00-0467 EA 1-1/2" No Hub Coupling ..... <i>For Medium Duty (Fenoco MD-2000), Add</i> <i>For Heavy Duty (Fenoco HD-4000), Add</i>	5.70 0.74 1.54	
22 13 16 00-0468 EA 2" No Hub Coupling ..... <i>For Medium Duty (Fenoco MD-2000), Add</i> <i>For Heavy Duty (Fenoco HD-4000), Add</i>	5.70 0.74 1.54	
22 13 16 00-0469 EA 3" No Hub Coupling ..... <i>For Medium Duty (Fenoco MD-2000), Add</i> <i>For Heavy Duty (Fenoco HD-4000), Add</i>	6.77 0.88 1.83	
22 13 16 00-0470 EA 4" No Hub Coupling ..... <i>For Medium Duty (Fenoco MD-2000), Add</i> <i>For Heavy Duty (Fenoco HD-4000), Add</i>	8.03 1.04 2.17	
22 13 16 00-0471 EA 5" No Hub Coupling ..... <i>For Medium Duty (Fenoco MD-2000), Add</i> <i>For Heavy Duty (Fenoco HD-4000), Add</i>	18.57 2.41 5.01	
22 13 16 00-0472 EA 6" No Hub Coupling ..... <i>For Medium Duty (Fenoco MD-2000), Add</i> <i>For Heavy Duty (Fenoco HD-4000), Add</i>	20.40 2.65 5.51	
22 13 16 00-0473 EA 8" No Hub Coupling ..... <i>For Medium Duty (Fenoco MD-2000), Add</i> <i>For Heavy Duty (Fenoco HD-4000), Add</i>	38.44 5.00 10.38	
22 13 16 00-0474 EA 10" No Hub Coupling ..... <i>For Medium Duty (Fenoco MD-2000), Add</i> <i>For Heavy Duty (Fenoco HD-4000), Add</i>	52.95 6.88 14.30	
22 13 16 00-0475 EA 2" x 1-1/2" No Hub Reducing Coupling.....	6.77	
22 13 16 00-0476 EA 3" x 2" No Hub Reducing Coupling.....	10.49	
22 13 16 00-0477 EA 4" x 2" No Hub Reducing Coupling.....	14.63	
22 13 16 00-0478 EA 4" x 3" No Hub Reducing Coupling.....	12.47	
<b>22 13 16 00-0479 Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts</b> (22 13 16 00-0278) Note: For underground connections. See CSI section 22 13 16 00-0861 for additional FENOCO couplings.		
22 13 16 00-0480 EA 1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	21.81	
22 13 16 00-0481 EA 2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	22.51	
22 13 16 00-0482 EA 3" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	23.64	
22 13 16 00-0483 EA 4" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	27.57	
22 13 16 00-0484 EA 5" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	52.05	
22 13 16 00-0485 EA 6" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	71.47	
22 13 16 00-0486 EA 8" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	125.21	
22 13 16 00-0487 EA 10" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	191.33	
<b>22 13 16 00-0488 Cut And Prepare Existing Pipe In-Place</b> (22 13 16 00-0268) Note: For use when connecting pipe to an existing in-place system.		
22 13 16 00-0489 EA Cut And Prepare 1-1/2" Cast Iron Pipe, No Hub ..... <i>For Work In Restricted Working Space, Add</i>	6.37 1.91	
22 13 16 00-0490 EA Cut And Prepare 2" Cast Iron Pipe, No Hub ..... <i>For Work In Restricted Working Space, Add</i>	7.79 2.34	
22 13 16 00-0491 EA Cut And Prepare 3" Cast Iron Pipe, No Hub ..... <i>For Work In Restricted Working Space, Add</i>	8.50 2.55	
22 13 16 00-0492 EA Cut And Prepare 4" Cast Iron Pipe, No Hub ..... <i>For Work In Restricted Working Space, Add</i>	10.62 3.19	
22 13 16 00-0493 EA Cut And Prepare 6" Cast Iron Pipe, No Hub ..... <i>For Work In Restricted Working Space, Add</i>	12.75 3.83	
22 13 16 00-0494 EA Cut And Prepare 8" Cast Iron Pipe, No Hub ..... <i>For Work In Restricted Working Space, Add</i>	16.99 5.10	
22 13 16 00-0495 EA Cut And Prepare 10" Cast Iron Pipe, No Hub ..... <i>For Work In Restricted Working Space, Add</i>	19.82 5.95	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 13 16 00-0496	<b>Copper Drain-Waste-Vent (DWV) Pipe</b> (22 13 16) See CSI section 22 11 16 00-0436 for copper and brass fittings.		
22 13 16 00-0497	LF 1-1/4" Hard Drawn DWV Copper Tube/Pipe .....	8.91	3.06
22 13 16 00-0498	LF 1-1/2" Hard Drawn DWV Copper Tube/Pipe .....	10.55	3.42
22 13 16 00-0499	LF 2" Hard Drawn DWV Copper Tube/Pipe .....	13.50	4.22
22 13 16 00-0500	LF 3" Hard Drawn DWV Copper Tube/Pipe .....	30.05	5.85
22 13 16 00-0501	LF 4" Hard Drawn DWV Copper Tube/Pipe .....	40.80	6.59
22 13 16 00-0502	LF 5" Hard Drawn DWV Copper Tube/Pipe .....	76.24	7.57
22 13 16 00-0503	LF 6" Hard Drawn DWV Copper Tube/Pipe .....	109.43	11.74
22 13 16 00-0504	<b>Polyvinyl Chloride (PVC) Drain-Waste-Vent (DWV) Pipe And Fittings</b> (22 13 16) Note: Aboveground installation. See CSI section 33 31 11 00-0019 for underground installation.		
22 13 16 00-0505	<b>Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies</b> (22 13 16 00-0504) Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-0506	LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly .....	14.53	2.74
	Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
	<i>For Work In Restricted Working Space, Add</i>	3.14	
22 13 16 00-0507	LF 2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly .....	16.56	3.26
	Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
	<i>For Work In Restricted Working Space, Add</i>	3.49	
22 13 16 00-0508	LF 3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly .....	22.22	4.69
	Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
	<i>For Work In Restricted Working Space, Add</i>	4.34	
22 13 16 00-0509	LF 4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly .....	25.81	5.08
	Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
	<i>For Work In Restricted Working Space, Add</i>	4.73	
22 13 16 00-0510	LF 6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly .....	36.21	6.51
	Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
	<i>For Work In Restricted Working Space, Add</i>	6.07	
22 13 16 00-0511	LF 8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly .....	45.24	8.67
	Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
	<i>For Work In Restricted Working Space, Add</i>	6.95	
22 13 16 00-0512	LF 10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly .....	62.13	11.61
	Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
	<i>For Work In Restricted Working Space, Add</i>	9.06	
22 13 16 00-0513	<b>Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe</b> (22 13 16 00-0504) Note: Excludes fittings or hangers.		
22 13 16 00-0514	<b>Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665)</b> (22 13 16 00-0513) Note: Excludes fittings or hangers.		
22 13 16 00-0515	LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe .....	4.93	2.74
	<i>For Work In Restricted Working Space, Add</i>	1.22	
22 13 16 00-0516	LF 2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe .....	6.00	3.26
	<i>For Work In Restricted Working Space, Add</i>	1.46	
22 13 16 00-0517	LF 3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe .....	9.26	4.69
	<i>For Work In Restricted Working Space, Add</i>	2.10	
22 13 16 00-0518	LF 4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe .....	10.78	5.08
	<i>For Work In Restricted Working Space, Add</i>	2.28	
22 13 16 00-0519	LF 6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe .....	14.30	5.78
	<i>For Work In Restricted Working Space, Add</i>	2.60	
22 13 16 00-0520	LF 8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe .....	20.13	7.69
	<i>For Work In Restricted Working Space, Add</i>	3.47	
22 13 16 00-0521	LF 10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe .....	28.56	10.28
	<i>For Work In Restricted Working Space, Add</i>	4.63	
22 13 16 00-0522	<b>Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891)</b> (22 13 16 00-0513) Note: Excludes fittings or hangers.		
22 13 16 00-0523	LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe .....	4.67	2.74
	<i>For Work In Restricted Working Space, Add</i>	1.22	
22 13 16 00-0524	LF 2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe .....	5.69	3.26
	<i>For Work In Restricted Working Space, Add</i>	1.46	
22 13 16 00-0525	LF 3" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe .....	8.68	4.69
	<i>For Work In Restricted Working Space, Add</i>	2.10	
22 13 16 00-0526	LF 4" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe .....	10.01	5.08
	<i>For Work In Restricted Working Space, Add</i>	2.28	
22 13 16 00-0527	LF 6" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe .....	12.87	5.78
	<i>For Work In Restricted Working Space, Add</i>	2.60	
22 13 16 00-0528	LF 8" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe .....	18.12	7.69
	<i>For Work In Restricted Working Space, Add</i>	3.47	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0529	LF			10" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	26.37 4.63	10.28
<b>22 13 16 00-0530 Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665) (22 13 16 00-0530)</b>						
<b>22 13 16 00-0531 Polyvinyl Chloride (PVC) DWV 1/4 Bends (22 13 16 00-0530)</b>						
22 13 16 00-0532	EA			1-1/2" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	17.58 4.89	10.89
22 13 16 00-0533	EA			2" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	22.49 6.26	13.89
22 13 16 00-0534	EA			3" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	33.09 8.41	18.64
22 13 16 00-0535	EA			4" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	43.32 9.78	21.71
22 13 16 00-0536	EA			6" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	107.66 12.71	28.22
22 13 16 00-0537	EA			8" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	168.88 17.11	38.01
22 13 16 00-0538	EA			10" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	223.50 22.82	50.65
<b>22 13 16 00-0539 Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends (22 13 16 00-0530)</b>						
22 13 16 00-0540	EA			1-1/2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	21.18 4.89	10.89
22 13 16 00-0541	EA			2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	24.56 6.26	13.89
22 13 16 00-0542	EA			3" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	38.41 8.41	18.64
22 13 16 00-0543	EA			4" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	53.09 9.78	21.71
22 13 16 00-0544	EA			6" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	88.79 12.71	28.22
22 13 16 00-0545	EA			8" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	144.08 17.11	38.01
22 13 16 00-0546	EA			10" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	223.05 22.82	50.65
<b>22 13 16 00-0547 Polyvinyl Chloride (PVC) DWV 1/8 Bends (22 13 16 00-0530)</b>						
22 13 16 00-0548	EA			1-1/2" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	17.88 4.89	10.89
22 13 16 00-0549	EA			2" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	22.46 6.26	13.89
22 13 16 00-0550	EA			3" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	32.64 8.41	18.64
22 13 16 00-0551	EA			4" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	41.15 9.78	21.71
22 13 16 00-0552	EA			6" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	102.14 12.71	28.22
22 13 16 00-0553	EA			8" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	156.04 17.11	38.01
22 13 16 00-0554	EA			10" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	185.72 22.82	50.65
<b>22 13 16 00-0555 Polyvinyl Chloride (PVC) DWV Sanitary Tees (22 13 16 00-0530)</b>						
22 13 16 00-0556	EA			1-1/2" Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	26.73 7.33	16.30
22 13 16 00-0557	EA			2" Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	34.57 9.39	20.86
22 13 16 00-0558	EA			3" Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	50.78 12.62	28.03
22 13 16 00-0559	EA			4" Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	65.55 14.67	32.59
22 13 16 00-0560	EA			6" Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	160.40 19.07	42.31
22 13 16 00-0561	EA			8" Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	210.75 25.67	56.97
<b>22 13 16 00-0562 Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees (22 13 16 00-0530)</b>						
22 13 16 00-0563	EA			2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	30.87 8.02	17.80
22 13 16 00-0564	EA			2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	34.73 8.70	19.30
22 13 16 00-0565	EA			2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	32.29 8.70	19.30
22 13 16 00-0566	EA			3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	42.86 10.85	24.12
22 13 16 00-0567	EA			3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	44.82 11.54	25.62



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0568	EA		4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	49.72	27.11
			<i>For Work In Restricted Working Space, Add</i>	12.22	
22 13 16 00-0569	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	65.60	28.68
			<i>For Work In Restricted Working Space, Add</i>	12.91	
22 13 16 00-0570	EA		4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	77.29	31.03
			<i>For Work In Restricted Working Space, Add</i>	13.98	
22 13 16 00-0571	EA		6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	152.33	39.04
			<i>For Work In Restricted Working Space, Add</i>	17.60	
22 13 16 00-0572	EA		8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	399.35	48.82
			<i>For Work In Restricted Working Space, Add</i>	22.00	
22 13 16 00-0573	EA		8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees.....	414.75	52.08
			<i>For Work In Restricted Working Space, Add</i>	23.47	
<b>22 13 16 00-0574</b>			<b>Polyvinyl Chloride (PVC) DWV Double Sanitary Tees (22 13 16 00-0530)</b>		
22 13 16 00-0575	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees.....	39.50	21.71
			<i>For Work In Restricted Working Space, Add</i>	9.78	
22 13 16 00-0576	EA		2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees.....	51.83	27.77
			<i>For Work In Restricted Working Space, Add</i>	12.52	
22 13 16 00-0577	EA		3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees.....	84.43	37.35
			<i>For Work In Restricted Working Space, Add</i>	16.82	
22 13 16 00-0578	EA		4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees.....	110.80	43.42
			<i>For Work In Restricted Working Space, Add</i>	19.56	
<b>22 13 16 00-0579</b>			<b>Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees (22 13 16 00-0530)</b>		
22 13 16 00-0580	EA		2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee .....	46.30	24.78
			<i>For Work In Restricted Working Space, Add</i>	11.15	
22 13 16 00-0581	EA		3" x 3" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee .....	65.80	29.53
			<i>For Work In Restricted Working Space, Add</i>	13.30	
22 13 16 00-0582	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee .....	74.34	32.59
			<i>For Work In Restricted Working Space, Add</i>	14.67	
22 13 16 00-0583	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee .....	109.48	35.60
			<i>For Work In Restricted Working Space, Add</i>	16.04	
22 13 16 00-0584	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee .....	118.18	40.35
			<i>For Work In Restricted Working Space, Add</i>	18.19	
<b>22 13 16 00-0585</b>			<b>Polyvinyl Chloride (PVC) DWV Reducers (22 13 16 00-0530)</b>		
22 13 16 00-0586	EA		2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers.....	21.14	12.38
			<i>For Work In Restricted Working Space, Add</i>	5.57	
22 13 16 00-0587	EA		3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers.....	30.35	14.73
			<i>For Work In Restricted Working Space, Add</i>	6.65	
22 13 16 00-0588	EA		3" x 2" Polyvinyl Chloride (PVC) DWV Reducers.....	31.30	16.30
			<i>For Work In Restricted Working Space, Add</i>	7.33	
22 13 16 00-0589	EA		4" x 2" Polyvinyl Chloride (PVC) DWV Reducers.....	40.30	17.80
			<i>For Work In Restricted Working Space, Add</i>	8.02	
22 13 16 00-0590	EA		4" x 3" Polyvinyl Chloride (PVC) DWV Reducers.....	44.49	20.21
			<i>For Work In Restricted Working Space, Add</i>	9.09	
22 13 16 00-0591	EA		6" x 3" Polyvinyl Chloride (PVC) DWV Reducers.....	106.85	23.46
			<i>For Work In Restricted Working Space, Add</i>	10.56	
22 13 16 00-0592	EA		6" x 4" Polyvinyl Chloride (PVC) DWV Reducers.....	95.02	24.97
			<i>For Work In Restricted Working Space, Add</i>	11.24	
22 13 16 00-0593	EA		8" x 4" Polyvinyl Chloride (PVC) DWV Reducers.....	202.72	29.86
			<i>For Work In Restricted Working Space, Add</i>	13.45	
22 13 16 00-0594	EA		8" x 6" Polyvinyl Chloride (PVC) DWV Reducers.....	179.62	33.11
			<i>For Work In Restricted Working Space, Add</i>	14.91	
22 13 16 00-0595	EA		10" x 6" Polyvinyl Chloride (PVC) DWV Reducers.....	236.04	39.44
			<i>For Work In Restricted Working Space, Add</i>	17.76	
22 13 16 00-0596	EA		10" x 8" Polyvinyl Chloride (PVC) DWV Reducers.....	199.20	44.33
			<i>For Work In Restricted Working Space, Add</i>	19.96	
<b>22 13 16 00-0597</b>			<b>Polyvinyl Chloride (PVC) DWV P-Traps (22 13 16 00-0530)</b>		
22 13 16 00-0598	EA		1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps .....	28.93	16.30
			<i>For Work In Restricted Working Space, Add</i>	7.33	
22 13 16 00-0599	EA		2" Polyvinyl Chloride (PVC) DWV P-Traps .....	37.41	20.86
			<i>For Work In Restricted Working Space, Add</i>	9.39	
22 13 16 00-0600	EA		3" Polyvinyl Chloride (PVC) DWV P-Traps .....	72.51	28.03
			<i>For Work In Restricted Working Space, Add</i>	12.62	
22 13 16 00-0601	EA		4" Polyvinyl Chloride (PVC) DWV P-Traps .....	121.44	32.59
			<i>For Work In Restricted Working Space, Add</i>	14.67	
22 13 16 00-0602	EA		6" Polyvinyl Chloride (PVC) DWV P-Traps .....	191.82	42.31
			<i>For Work In Restricted Working Space, Add</i>	19.07	
<b>22 13 16 00-0603</b>			<b>Polyvinyl Chloride (PVC) DWV Closet Flanges (22 13 16 00-0530)</b>		
22 13 16 00-0604	EA		4" Polyvinyl Chloride (PVC) DWV Closet Flanges .....	41.20	21.71
			<i>For Work In Restricted Working Space, Add</i>	9.78	
22 13 16 00-0605	EA		4" x 3" Polyvinyl Chloride (PVC) DWV Closet Flanges .....	36.33	20.21
			<i>For Work In Restricted Working Space, Add</i>	9.09	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 13 16 00-0606</b>			<b>Polyvinyl Chloride (PVC) DWV Wyes</b> (22 13 16 00-0530)		
22 13 16 00-0607	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Wyes.....	29.03	16.30
			<i>For Work In Restricted Working Space, Add</i>	7.33	
22 13 16 00-0608	EA		2" Polyvinyl Chloride (PVC) DWV Wyes.....	35.90	20.86
			<i>For Work In Restricted Working Space, Add</i>	9.39	
22 13 16 00-0609	EA		3" Polyvinyl Chloride (PVC) DWV Wyes.....	52.48	28.03
			<i>For Work In Restricted Working Space, Add</i>	12.62	
22 13 16 00-0610	EA		4" Polyvinyl Chloride (PVC) DWV Wyes.....	68.34	32.59
			<i>For Work In Restricted Working Space, Add</i>	14.67	
22 13 16 00-0611	EA		6" Polyvinyl Chloride (PVC) DWV Wyes.....	149.94	42.31
			<i>For Work In Restricted Working Space, Add</i>	19.07	
22 13 16 00-0612	EA		8" Polyvinyl Chloride (PVC) DWV Wyes.....	190.89	56.97
			<i>For Work In Restricted Working Space, Add</i>	25.67	
22 13 16 00-0613	EA		10" Polyvinyl Chloride (PVC) DWV Wyes.....	252.29	75.94
			<i>For Work In Restricted Working Space, Add</i>	34.22	
<b>22 13 16 00-0614</b>			<b>Polyvinyl Chloride (PVC) DWV Reducing Wyes</b> (22 13 16 00-0530)		
22 13 16 00-0615	EA		2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	34.92	17.80
			<i>For Work In Restricted Working Space, Add</i>	8.02	
22 13 16 00-0616	EA		2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	37.13	19.30
			<i>For Work In Restricted Working Space, Add</i>	8.70	
22 13 16 00-0617	EA		3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	48.93	24.12
			<i>For Work In Restricted Working Space, Add</i>	10.85	
22 13 16 00-0618	EA		3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	46.53	25.62
			<i>For Work In Restricted Working Space, Add</i>	11.54	
22 13 16 00-0619	EA		4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	60.98	27.11
			<i>For Work In Restricted Working Space, Add</i>	12.22	
22 13 16 00-0620	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	58.64	28.68
			<i>For Work In Restricted Working Space, Add</i>	12.91	
22 13 16 00-0621	EA		4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	64.84	31.03
			<i>For Work In Restricted Working Space, Add</i>	13.98	
22 13 16 00-0622	EA		6" x 6" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	134.75	37.55
			<i>For Work In Restricted Working Space, Add</i>	16.92	
22 13 16 00-0623	EA		6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	158.90	39.04
			<i>For Work In Restricted Working Space, Add</i>	17.60	
22 13 16 00-0624	EA		8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	163.61	48.82
			<i>For Work In Restricted Working Space, Add</i>	22.00	
22 13 16 00-0625	EA		8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	196.35	52.08
			<i>For Work In Restricted Working Space, Add</i>	23.47	
22 13 16 00-0626	EA		10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	194.06	61.47
			<i>For Work In Restricted Working Space, Add</i>	27.71	
22 13 16 00-0627	EA		10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	229.20	64.74
			<i>For Work In Restricted Working Space, Add</i>	29.17	
22 13 16 00-0628	EA		10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes.....	260.68	69.62
			<i>For Work In Restricted Working Space, Add</i>	31.37	
<b>22 13 16 00-0629</b>			<b>Polyvinyl Chloride (PVC) DWV Double Wyes</b> (22 13 16 00-0530)		
22 13 16 00-0630	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes.....	42.36	21.71
			<i>For Work In Restricted Working Space, Add</i>	9.78	
22 13 16 00-0631	EA		2" Polyvinyl Chloride (PVC) DWV Double Wyes.....	54.27	27.77
			<i>For Work In Restricted Working Space, Add</i>	12.52	
22 13 16 00-0632	EA		3" Polyvinyl Chloride (PVC) DWV Double Wyes.....	88.50	37.35
			<i>For Work In Restricted Working Space, Add</i>	16.82	
22 13 16 00-0633	EA		4" Polyvinyl Chloride (PVC) DWV Double Wyes.....	130.95	43.42
			<i>For Work In Restricted Working Space, Add</i>	19.56	
22 13 16 00-0634	EA		6" Polyvinyl Chloride (PVC) DWV Double Wyes.....	233.67	56.45
			<i>For Work In Restricted Working Space, Add</i>	25.42	
22 13 16 00-0635	EA		8" Polyvinyl Chloride (PVC) DWV Double Wyes.....	282.16	76.01
			<i>For Work In Restricted Working Space, Add</i>	34.22	
22 13 16 00-0636	EA		10" Polyvinyl Chloride (PVC) DWV Double Wyes.....	419.93	101.30
			<i>For Work In Restricted Working Space, Add</i>	45.63	
<b>22 13 16 00-0637</b>			<b>Polyvinyl Chloride (PVC) DWV Reducing Double Wyes</b> (22 13 16 00-0530)		
22 13 16 00-0638	EA		2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes.....	48.63	24.78
			<i>For Work In Restricted Working Space, Add</i>	11.15	
22 13 16 00-0639	EA		3" x 3" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes.....	72.79	29.53
			<i>For Work In Restricted Working Space, Add</i>	13.30	
22 13 16 00-0640	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes.....	73.05	32.59
			<i>For Work In Restricted Working Space, Add</i>	14.67	
22 13 16 00-0641	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes.....	92.87	35.60
			<i>For Work In Restricted Working Space, Add</i>	16.04	
22 13 16 00-0642	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes.....	112.69	40.35
			<i>For Work In Restricted Working Space, Add</i>	18.19	
22 13 16 00-0643	EA		6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes.....	160.48	49.93
			<i>For Work In Restricted Working Space, Add</i>	22.49	
22 13 16 00-0644	EA		8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes.....	189.21	59.72
			<i>For Work In Restricted Working Space, Add</i>	26.89	
22 13 16 00-0645	EA		8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes.....	230.33	66.23
			<i>For Work In Restricted Working Space, Add</i>	29.82	





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22 13 16 00-0646	EA		10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	245.94 32.59	72.36
22 13 16 00-0647	EA		10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	303.13 35.53	78.87
22 13 16 00-0648	EA		10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	359.34 39.92	88.65
<b>22 13 16 00-0649</b>			<b>Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends</b> <small>(22 13 16 00-0530)</small>		
22 13 16 00-0650	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	31.89 7.33	16.30
22 13 16 00-0651	EA		2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	40.37 9.39	20.86
22 13 16 00-0652	EA		3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	65.90 12.62	28.03
22 13 16 00-0653	EA		4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	98.43 14.67	32.59
<b>22 13 16 00-0654</b>			<b>Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends</b> <small>(22 13 16 00-0530)</small>		
22 13 16 00-0655	EA		2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	47.81 8.70	19.30
22 13 16 00-0656	EA		3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	68.83 10.85	24.12
22 13 16 00-0657	EA		3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	58.87 11.54	25.62
22 13 16 00-0658	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	88.43 12.91	28.68
22 13 16 00-0659	EA		4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	95.79 13.98	31.03
<b>22 13 16 00-0660</b>			<b>Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends</b> <small>(22 13 16 00-0530)</small>		
22 13 16 00-0661	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	44.58 9.78	21.71
22 13 16 00-0662	EA		2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	54.52 12.52	27.77
22 13 16 00-0663	EA		3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	78.31 16.82	37.35
22 13 16 00-0664	EA		4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	182.40 19.56	43.42
22 13 16 00-0665	EA		6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	510.28 25.42	56.45
<b>22 13 16 00-0666</b>			<b>Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends</b> <small>(22 13 16 00-0530)</small>		
22 13 16 00-0667	EA		2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	76.38 11.15	24.78
22 13 16 00-0668	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	115.35 14.67	32.59
22 13 16 00-0669	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	177.30 16.04	35.60
22 13 16 00-0670	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	169.01 18.19	40.35
22 13 16 00-0671	EA		6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	352.96 22.49	49.93
<b>22 13 16 00-0672</b>			<b>Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug</b> <small>(22 13 16 00-0530)</small>		
22 13 16 00-0673	EA		2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	53.12 9.39	20.86
22 13 16 00-0674	EA		3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	83.76 12.62	28.03
22 13 16 00-0675	EA		4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	121.45 14.67	32.59
22 13 16 00-0676	EA		6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	274.38 19.07	42.31
22 13 16 00-0677	EA		8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	348.05 25.67	56.97
22 13 16 00-0678	EA		10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug..... <i>For Work In Restricted Working Space, Add</i>	462.25 34.22	75.94
<b>22 13 16 00-0679</b>			<b>Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug</b> <small>(22 13 16 00-0530)</small>		
22 13 16 00-0680	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	20.07 4.89	10.89
22 13 16 00-0681	EA		2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	26.95 6.26	13.89
22 13 16 00-0682	EA		3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	37.40 8.41	18.64



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0683	EA			4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	54.62 9.78	21.71
22 13 16 00-0684	EA			6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	102.83 12.71	28.22
22 13 16 00-0685	EA			8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	204.46 17.11	38.01
22 13 16 00-0686	EA			10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	356.45 22.80	50.65
<b>22 13 16 00-0687</b>				<b>Polyvinyl Chloride (PVC) Couplings</b> <small>(22 13 16 00-0530)</small>		
22 13 16 00-0688	EA			1-1/2" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	17.42 4.89	10.89
22 13 16 00-0689	EA			2" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	22.12 6.26	13.89
22 13 16 00-0690	EA			3" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	31.25 8.41	18.64
22 13 16 00-0691	EA			4" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	37.87 9.78	21.71
22 13 16 00-0692	EA			6" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	71.53 12.71	28.22
22 13 16 00-0693	EA			8" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	141.27 17.11	38.01
22 13 16 00-0694	EA			10" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	206.58 22.82	50.65
<b>22 13 16 00-0695</b>				<b>Polyvinyl Chloride (PVC) Male Adapters</b> <small>(22 13 16 00-0530)</small>		
22 13 16 00-0696	EA			1-1/2" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	9.28 2.45	5.41
22 13 16 00-0697	EA			2" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	13.21 3.13	6.98
22 13 16 00-0698	EA			3" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	21.74 4.21	9.32
22 13 16 00-0699	EA			4" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	34.00 4.89	10.89
<b>22 13 16 00-0700</b>				<b>Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe</b> <small>(22 13 16 00-0504)</small>		
				Note: In place piping.		
22 13 16 00-0701	EA			1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	4.78	
22 13 16 00-0702	EA			2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	5.26	
22 13 16 00-0703	EA			3", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	6.69	
22 13 16 00-0704	EA			4", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	9.03	
22 13 16 00-0705	EA			6", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	12.90	
22 13 16 00-0706	EA			8", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	17.20	
22 13 16 00-0707	EA			10", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	21.03	
<b>22 13 16 00-0708</b>				<b>Acrylonitrile Butadiene Styrene (ABS) Drain-Waste-Vent (DWV) Pipe And Fittings</b> <small>(22 13 16)</small>		
				Note: Aboveground installation.		
<b>22 13 16 00-0709</b>				<b>Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies</b> <small>(22 13 16 00-0708)</small>		
				Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-0710	LF			1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly <i>For Work In Restricted Working Space, Add</i>	14.31 3.75	2.74
22 13 16 00-0711	LF			2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly <i>For Work In Restricted Working Space, Add</i>	15.88 4.15	3.26
22 13 16 00-0712	LF			3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly <i>For Work In Restricted Working Space, Add</i>	20.88 5.16	4.69
22 13 16 00-0713	LF			4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly <i>For Work In Restricted Working Space, Add</i>	23.74 5.73	5.08
22 13 16 00-0714	LF			6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly <i>For Work In Restricted Working Space, Add</i>	36.57 7.62	6.51
<b>22 13 16 00-0715</b>				<b>Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe (ASTM F-628)</b> <small>(22 13 16 00-0708)</small>		
				Note: Excludes fittings or hangers.		



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22 13 16 00-0716	LF	1-1/2"	Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	5.07 1.22	2.74
22 13 16 00-0717	LF	2"	Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	6.22 1.46	3.26
22 13 16 00-0718	LF	3"	Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	9.79 2.10	4.69
22 13 16 00-0719	LF	4"	Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	11.57 2.28	5.08
22 13 16 00-0720	LF	6"	Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	16.75 2.60	5.78
22 13 16 00-0721			Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661) <small>(22 13 16 00-0708)</small>		
22 13 16 00-0722			Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <small>(22 13 16 00-0721)</small>		
22 13 16 00-0723	EA	1-1/2"	Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	20.55 4.89	10.89
22 13 16 00-0724	EA	2"	Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	26.92 6.26	13.89
22 13 16 00-0725	EA	3"	Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	46.74 8.41	18.64
22 13 16 00-0726	EA	4"	Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	69.26 9.78	21.71
22 13 16 00-0727	EA	6"	Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	179.22 12.71	28.22
22 13 16 00-0728			Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <small>(22 13 16 00-0721)</small>		
22 13 16 00-0729	EA	1-1/2"	Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	26.43 4.89	10.89
22 13 16 00-0730	EA	2"	Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	32.67 6.26	13.89
22 13 16 00-0731	EA	3"	Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	61.01 8.41	18.64
22 13 16 00-0732	EA	4"	Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	97.64 9.78	21.71
22 13 16 00-0733			Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <small>(22 13 16 00-0721)</small>		
22 13 16 00-0734	EA	1-1/2"	Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	21.35 4.89	10.89
22 13 16 00-0735	EA	2"	Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	26.37 6.26	13.89
22 13 16 00-0736	EA	3"	Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	43.82 8.41	18.64
22 13 16 00-0737	EA	4"	Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	63.86 9.78	21.71
22 13 16 00-0738	EA	6"	Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	184.92 12.71	28.22
22 13 16 00-0739			Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <small>(22 13 16 00-0721)</small>		
22 13 16 00-0740	EA	1-1/2"	Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	31.68 7.33	16.30
22 13 16 00-0741	EA	2"	Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	42.17 9.39	20.86
22 13 16 00-0742	EA	3"	Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	69.78 12.62	28.03
22 13 16 00-0743	EA	4"	Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	102.18 14.67	32.59
22 13 16 00-0744	EA	6"	Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	352.35 19.07	42.31
22 13 16 00-0745			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <small>(22 13 16 00-0721)</small>		
22 13 16 00-0746	EA	2" x 1-1/2" x 1-1/2"	Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	38.27 8.02	17.80
22 13 16 00-0747	EA	2" x 1-1/2" x 2"	Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	45.22 8.70	19.30
22 13 16 00-0748	EA	2" x 2" x 1-1/2"	Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	39.44 8.70	19.30
22 13 16 00-0749	EA	3" x 3" x 1-1/2"	Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	57.36 10.85	24.12
22 13 16 00-0750	EA	3" x 3" x 2"	Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	59.83 11.54	25.62
22 13 16 00-0751	EA	4" x 4" x 1-1/2"	Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	117.53 12.22	27.11
22 13 16 00-0752	EA	4" x 4" x 2"	Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	114.71 12.91	28.68
22 13 16 00-0753	EA	4" x 4" x 3"	Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	130.67 13.98	31.03



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 16 00-0754	EA		6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	381.55 17.60	39.04
<b>22 13 16 00-0755</b>				<b>Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees</b> (22 13 16 00-0721)		
	22 13 16 00-0756	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	54.58 9.78	21.71
	22 13 16 00-0757	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	73.81 12.52	27.77
	22 13 16 00-0758	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	146.20 16.82	37.35
	22 13 16 00-0759	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	209.66 19.56	43.42
<b>22 13 16 00-0760</b>				<b>Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees</b> (22 13 16 00-0721)		
	22 13 16 00-0761	EA		2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	62.11 11.15	24.78
	22 13 16 00-0762	EA		3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	90.27 13.30	29.53
	22 13 16 00-0763	EA		3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	103.25 14.67	32.59
	22 13 16 00-0764	EA		4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	167.11 14.22	31.56
	22 13 16 00-0765	EA		4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	176.77 16.13	35.78
<b>22 13 16 00-0766</b>				<b>Acrylonitrile Butadiene Styrene (ABS) DWV Wyes</b> (22 13 16 00-0721)		
	22 13 16 00-0767	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	39.02 7.33	16.30
	22 13 16 00-0768	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	46.26 9.39	20.86
	22 13 16 00-0769	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	75.17 12.62	28.03
	22 13 16 00-0770	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	110.61 14.67	32.59
	22 13 16 00-0771	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	290.00 19.07	42.31
<b>22 13 16 00-0772</b>				<b>Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes</b> (22 13 16 00-0721)		
	22 13 16 00-0773	EA		2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes ..... <i>For Work In Restricted Working Space, Add</i>	52.74 8.02	17.80
	22 13 16 00-0774	EA		2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	54.75 8.70	19.30
	22 13 16 00-0775	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	64.20 11.54	25.62
	22 13 16 00-0776	EA		4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	92.61 12.91	28.68
	22 13 16 00-0777	EA		4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	104.54 13.98	31.03
	22 13 16 00-0778	EA		6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	245.75 17.60	39.04
<b>22 13 16 00-0779</b>				<b>Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes</b> (22 13 16 00-0721)		
	22 13 16 00-0780	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	63.59 9.78	21.71
	22 13 16 00-0781	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	81.60 12.52	27.77
	22 13 16 00-0782	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	159.15 16.82	37.35
	22 13 16 00-0783	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	274.02 19.56	43.42
<b>22 13 16 00-0784</b>				<b>Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes</b> (22 13 16 00-0721)		
	22 13 16 00-0785	EA		2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	73.58 11.15	24.78
	22 13 16 00-0786	EA		3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	117.04 13.30	29.53
	22 13 16 00-0787	EA		3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	125.43 14.67	32.59
	22 13 16 00-0788	EA		4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	178.65 16.04	35.60
	22 13 16 00-0789	EA		4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	226.00 18.19	40.35



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 13 16 00-0790 Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend</b> <small>(22 13 16 00-0721)</small>		
22 13 16 00-0791 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	47.72 7.33	16.30
22 13 16 00-0792 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	61.55 9.39	20.86
22 13 16 00-0793 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	91.91 12.62	28.03
22 13 16 00-0794 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	141.22 13.01	28.90
<b>22 13 16 00-0795 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend</b> <small>(22 13 16 00-0721)</small>		
22 13 16 00-0796 EA 2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	53.51 8.70	19.30
22 13 16 00-0797 EA 3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	94.20 10.85	24.12
22 13 16 00-0798 EA 3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	74.72 11.54	25.62
22 13 16 00-0799 EA 4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	123.80 12.91	28.68
22 13 16 00-0800 EA 4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	134.07 13.98	31.03
<b>22 13 16 00-0801 Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend</b> <small>(22 13 16 00-0721)</small>		
22 13 16 00-0802 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	96.50 12.52	27.77
22 13 16 00-0803 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	182.40 16.82	37.35
<b>22 13 16 00-0804 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend</b> <small>(22 13 16 00-0721)</small>		
22 13 16 00-0805 EA 2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	81.24 11.15	24.78
22 13 16 00-0806 EA 3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	173.09 14.67	32.59
<b>22 13 16 00-0807 Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug</b> <small>(22 13 16 00-0721)</small>		
22 13 16 00-0808 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug ..... <i>For Work In Restricted Working Space, Add</i>	51.83 7.33	16.30
22 13 16 00-0809 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug ..... <i>For Work In Restricted Working Space, Add</i>	65.65 9.39	20.86
22 13 16 00-0810 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug ..... <i>For Work In Restricted Working Space, Add</i>	101.07 12.62	28.03
22 13 16 00-0811 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug ..... <i>For Work In Restricted Working Space, Add</i>	159.23 14.67	32.59
<b>22 13 16 00-0812 Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug</b> <small>(22 13 16 00-0721)</small>		
22 13 16 00-0813 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug ..... <i>For Work In Restricted Working Space, Add</i>	25.69 4.89	10.89
22 13 16 00-0814 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug ..... <i>For Work In Restricted Working Space, Add</i>	36.01 6.26	13.89
22 13 16 00-0815 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug ..... <i>For Work In Restricted Working Space, Add</i>	51.31 8.41	18.64
22 13 16 00-0816 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug ..... <i>For Work In Restricted Working Space, Add</i>	87.40 9.78	21.71
22 13 16 00-0817 EA 6" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug ..... <i>For Work In Restricted Working Space, Add</i>	192.86 12.71	28.22
<b>22 13 16 00-0818 Acrylonitrile Butadiene Styrene (ABS) DWV Couplings</b> <small>(22 13 16 00-0721)</small>		
22 13 16 00-0819 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings ..... <i>For Work In Restricted Working Space, Add</i>	19.54 4.89	10.89
22 13 16 00-0820 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings ..... <i>For Work In Restricted Working Space, Add</i>	24.27 6.26	13.89
22 13 16 00-0821 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings ..... <i>For Work In Restricted Working Space, Add</i>	37.31 8.41	18.64
22 13 16 00-0822 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings ..... <i>For Work In Restricted Working Space, Add</i>	47.89 9.78	21.71
22 13 16 00-0823 EA 6" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings ..... <i>For Work In Restricted Working Space, Add</i>	118.00 12.71	28.22



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 16 00-0824			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Reducers</b> (22 13 16 00-0721)		
	22 13 16 00-0825	EA		2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers .....26.77		12.38
				<i>For Work In Restricted Working Space, Add</i> .....5.57		
	22 13 16 00-0826	EA		3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers .....48.17		14.73
				<i>For Work In Restricted Working Space, Add</i> .....6.65		
	22 13 16 00-0827	EA		3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers .....46.25		16.30
				<i>For Work In Restricted Working Space, Add</i> .....7.33		
	22 13 16 00-0828	EA		4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers .....69.74		17.80
				<i>For Work In Restricted Working Space, Add</i> .....8.02		
	22 13 16 00-0829	EA		4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers .....75.31		20.21
				<i>For Work In Restricted Working Space, Add</i> .....9.09		
	22 13 16 00-0830			<b>Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps</b> (22 13 16 00-0721)		
	22 13 16 00-0831	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps.....40.34		16.30
				<i>For Work In Restricted Working Space, Add</i> .....7.33		
	22 13 16 00-0832	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps.....57.03		20.86
				<i>For Work In Restricted Working Space, Add</i> .....9.39		
	22 13 16 00-0833	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps.....159.95		28.03
				<i>For Work In Restricted Working Space, Add</i> .....12.62		
	22 13 16 00-0834	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps.....290.45		32.59
				<i>For Work In Restricted Working Space, Add</i> .....14.67		
	22 13 16 00-0835			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges</b> (22 13 16 00-0721)		
	22 13 16 00-0836	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges.....54.80		21.71
				<i>For Work In Restricted Working Space, Add</i> .....9.78		
	22 13 16 00-0837	EA		4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges.....51.14		20.21
				<i>For Work In Restricted Working Space, Add</i> .....9.09		
	22 13 16 00-0838			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters</b> (22 13 16 00-0721)		
	22 13 16 00-0839	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters .....12.28		5.41
				<i>For Work In Restricted Working Space, Add</i> .....2.45		
	22 13 16 00-0840	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters.....17.75		6.98
				<i>For Work In Restricted Working Space, Add</i> .....3.13		
	22 13 16 00-0841	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters.....35.34		9.32
				<i>For Work In Restricted Working Space, Add</i> .....4.21		
	22 13 16 00-0842	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters.....63.47		10.89
				<i>For Work In Restricted Working Space, Add</i> .....4.89		
	22 13 16 00-0843			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings</b> (22 13 16 00-0721)		
	22 13 16 00-0844	EA		2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....21.98		12.38
				<i>For Work In Restricted Working Space, Add</i> .....5.57		
	22 13 16 00-0845	EA		3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....40.56		14.73
				<i>For Work In Restricted Working Space, Add</i> .....6.65		
	22 13 16 00-0846	EA		3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....36.13		16.30
				<i>For Work In Restricted Working Space, Add</i> .....7.33		
	22 13 16 00-0847	EA		4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....69.15		17.80
				<i>For Work In Restricted Working Space, Add</i> .....8.02		
	22 13 16 00-0848	EA		4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....54.89		20.21
				<i>For Work In Restricted Working Space, Add</i> .....9.09		
	22 13 16 00-0849	EA		6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....129.63		22.13
				<i>For Work In Restricted Working Space, Add</i> .....9.97		
	22 13 16 00-0850			<b>Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings</b> (22 13 16 00-0721)		
	22 13 16 00-0851	EA		1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling.....34.80		10.89
				<i>For Work In Restricted Working Space, Add</i> .....4.89		
	22 13 16 00-0852	EA		2" x 2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling .....40.59		13.89
				<i>For Work In Restricted Working Space, Add</i> .....6.26		
	22 13 16 00-0853	EA		3" x 3" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling .....49.00		18.64
				<i>For Work In Restricted Working Space, Add</i> .....8.41		
	22 13 16 00-0854	EA		4" x 4" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling .....54.79		21.71
				<i>For Work In Restricted Working Space, Add</i> .....9.78		
	22 13 16 00-0855			<b>Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe</b> (22 13 16 00-0708)		
				Note: In place piping.		
	22 13 16 00-0856	EA		1-1/2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe .....4.78		
	22 13 16 00-0857	EA		2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe .....5.26		
	22 13 16 00-0858	EA		3", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe .....6.69		
	22 13 16 00-0859	EA		4", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe .....9.03		
	22 13 16 00-0860	EA		6", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe .....12.90		
	22 13 16 00-0861			<b>Elastomeric Flexible Pipe Couplings</b> (22 13 16)		



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 13 16 00-0862	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Couplings		
	<small>(22 13 16 00-0861)</small> Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.		
22 13 16 00-0863	EA 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-125) .....	10.46	2.83
	<i>For Work In Restricted Working Space, Add</i>	1.70	
22 13 16 00-0864	EA 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150) .....	11.34	3.01
	<i>For Work In Restricted Working Space, Add</i>	1.81	
22 13 16 00-0865	EA 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22).....	11.89	3.18
	<i>For Work In Restricted Working Space, Add</i>	1.91	
22 13 16 00-0866	EA 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33).....	14.18	3.37
	<i>For Work In Restricted Working Space, Add</i>	2.02	
22 13 16 00-0867	EA 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44).....	16.42	3.54
	<i>For Work In Restricted Working Space, Add</i>	2.12	
22 13 16 00-0868	EA 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55).....	22.07	3.72
	<i>For Work In Restricted Working Space, Add</i>	2.23	
22 13 16 00-0869	EA 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66).....	27.76	3.89
	<i>For Work In Restricted Working Space, Add</i>	2.34	
22 13 16 00-0870	EA 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88).....	39.22	4.25
	<i>For Work In Restricted Working Space, Add</i>	2.55	
22 13 16 00-0871	EA 10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010).....	52.63	4.96
	<i>For Work In Restricted Working Space, Add</i>	2.98	
22 13 16 00-0872	Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Couplings <small>(22 13 16 00-0861)</small>		
	Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.		
22 13 16 00-0873	EA 1-1/2" x 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-150/125) .....	11.15	3.01
	<i>For Work In Restricted Working Space, Add</i>	1.81	
22 13 16 00-0874	EA 2" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-215) .....	12.20	3.18
	<i>For Work In Restricted Working Space, Add</i>	1.91	
22 13 16 00-0875	EA 3" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-315) .....	15.72	3.37
	<i>For Work In Restricted Working Space, Add</i>	2.02	
22 13 16 00-0876	EA 3" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-32) .....	13.62	3.37
	<i>For Work In Restricted Working Space, Add</i>	2.02	
22 13 16 00-0877	EA 4" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-415) .....	20.21	3.54
	<i>For Work In Restricted Working Space, Add</i>	2.12	
22 13 16 00-0878	EA 4" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-42) .....	19.14	3.54
	<i>For Work In Restricted Working Space, Add</i>	2.12	
22 13 16 00-0879	EA 4" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-43) .....	17.14	3.54
	<i>For Work In Restricted Working Space, Add</i>	2.12	
22 13 16 00-0880	EA 5" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-53) .....	26.76	3.72
	<i>For Work In Restricted Working Space, Add</i>	2.23	
22 13 16 00-0881	EA 5" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-54) .....	23.71	3.72
	<i>For Work In Restricted Working Space, Add</i>	2.23	
22 13 16 00-0882	EA 6" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-63) .....	34.07	3.89
	<i>For Work In Restricted Working Space, Add</i>	2.34	
22 13 16 00-0883	EA 6" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-64) .....	29.50	3.89
	<i>For Work In Restricted Working Space, Add</i>	2.34	
22 13 16 00-0884	EA 6" x 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-65) .....	30.77	3.89
	<i>For Work In Restricted Working Space, Add</i>	2.34	
22 13 16 00-0885	EA 8" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-84) .....	61.18	7.08
	<i>For Work In Restricted Working Space, Add</i>	4.25	
22 13 16 00-0886	EA 8" x 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-86) .....	48.51	7.08
	<i>For Work In Restricted Working Space, Add</i>	4.25	
22 13 16 00-0887	EA 10" x 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-10-8) .....	62.70	7.96
	<i>For Work In Restricted Working Space, Add</i>	4.78	
22 13 16 00-0888	Elastomeric Flexible Expansion Joint Couplings <small>(22 13 16)</small>		
	Note: Includes stainless steel clamps. Fernco XJ.		
22 13 16 00-0889	EA 1-1/2" Elastomeric Flexible Expansion Joint Coupling (Fernco XJ-150) .....	16.37	3.01
22 13 16 00-0890	EA 2" Elastomeric Flexible Expansion Joint Coupling (Fernco XJ-2) .....	18.14	3.18
22 13 16 00-0891	EA 3" Elastomeric Flexible Expansion Joint Coupling (Fernco XJ-3) .....	19.45	3.37
22 13 16 00-0892	EA 4" Elastomeric Flexible Expansion Joint Coupling (Fernco XJ-4) .....	23.09	3.54
22 13 16 00-0893	Elastomeric Flexible Pipe Caps <small>(22 13 16)</small>		
	Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp. Fernco QC.		
22 13 16 00-0894	EA 1-1/2" Elastomeric Flexible Pipe Cap (Fernco QC-101).....	33.41	19.12
22 13 16 00-0895	EA 2" Elastomeric Flexible Pipe Cap (Fernco QC-102).....	36.06	20.32
22 13 16 00-0896	EA 3" Elastomeric Flexible Pipe Cap (Fernco QC-103).....	42.03	23.30
22 13 16 00-0897	EA 4" Elastomeric Flexible Pipe Cap (Fernco QC-104).....	55.33	30.80
22 13 16 00-0898	EA 5" Elastomeric Flexible Pipe Cap (Fernco QC-105).....	66.48	36.83
22 13 16 00-0899	EA 6" Elastomeric Flexible Pipe Cap (Fernco QC-106).....	75.99	42.49
22 13 16 00-0900	EA 8" Elastomeric Flexible Pipe Cap (Fernco QC-108).....	105.53	53.82
22 13 16 00-0901	EA 10" Elastomeric Flexible Pipe Cap (Fernco QC-110).....	136.17	60.19
22 13 16 00-0902	EA 12" Elastomeric Flexible Pipe Cap (Fernco QC-112).....	182.94	66.92



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 13 16 00-0903</b> <b>Cast Iron Vent Stack Flashing Sleeves With Caulking Recess</b> <small>(22 13 16)</small>		
<i>Note: Josam 26450 Series.</i>		
22 13 16 00-0904    EA    1-1/2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess .....	74.20	14.67
22 13 16 00-0905    EA    2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess .....	77.46	16.30
22 13 16 00-0906    EA    3" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess .....	119.29	21.19
22 13 16 00-0907    EA    4" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess .....	140.25	24.44
22 13 16 00-0908    EA    5" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess .....	164.38	27.71
22 13 16 00-0909    EA    6" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess .....	292.68	30.97
<b>22 13 16 00-0910</b> <b>Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess</b> <small>(22 13 16)</small>		
<i>Note: Josam 26440 Series</i>		
22 13 16 00-0911    EA    1-1/2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....	136.83	14.67
22 13 16 00-0912    EA    2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....	140.09	16.30
22 13 16 00-0913    EA    3" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....	165.94	21.19
22 13 16 00-0914    EA    4" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....	208.29	24.44
22 13 16 00-0915    EA    5" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....	286.47	27.71
22 13 16 00-0916    EA    6" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....	292.98	30.97
<b>22 13 16 00-0917</b> <b>Cast Iron Vandal Proof Hooded Vent Cap</b> <small>(22 13 16)</small>		
<i>Note: Includes counterflashing collar, deep protective hood and recessed securing screws. Josam 26700 Series.</i>		
22 13 16 00-0918    EA    1-1/2" Cast Iron Vandal Proof Hooded Vent Cap .....	265.74	14.67
22 13 16 00-0919    EA    2" Cast Iron Vandal Proof Hooded Vent Cap .....	269.00	16.30
22 13 16 00-0920    EA    3" Cast Iron Vandal Proof Hooded Vent Cap .....	308.33	21.19
22 13 16 00-0921    EA    4" Cast Iron Vandal Proof Hooded Vent Cap .....	346.87	24.44
22 13 16 00-0922    EA    5" Cast Iron Vandal Proof Hooded Vent Cap .....	405.11	27.71
22 13 16 00-0923    EA    6" Cast Iron Vandal Proof Hooded Vent Cap .....	442.40	30.97
<b>22 13 19    Sanitary Waste Piping Specialties</b> <small>(22 13)</small>		
<b>22 13 19 13    Sanitary Drains</b> <small>(22 13 19)</small>		
<b>22 13 19 13-0001    Round Top Floor Drains</b> <small>(22 13 19 13)</small>		
22 13 19 13-0002    EA    6" Round Top Floor Drain With 1-1/2" Outlet, Bronze Top .....	564.59	70.08
<i>For Sediment Bucket, Add</i>		
	22.50	
<i>For Galvanized Cast Iron Parts, Add</i>		
	105.00	
<i>For Vandal Proof Screws, Add</i>		
	11.00	
22 13 19 13-0003    EA    6" Round Top Floor Drain With 2" Outlet, Bronze Top .....	619.49	78.55
<i>For Sediment Bucket, Add</i>		
	22.50	
<i>For Galvanized Cast Iron Parts, Add</i>		
	105.00	
<i>For Vandal Proof Screws, Add</i>		
	11.00	
22 13 19 13-0004    EA    6" Round Top Floor Drain With 3" Outlet, Bronze Top .....	598.29	86.90
<i>For Sediment Bucket, Add</i>		
	22.50	
<i>For Galvanized Cast Iron Parts, Add</i>		
	105.00	
<i>For Vandal Proof Screws, Add</i>		
	11.00	
22 13 19 13-0005    EA    6" Round Top Floor Drain With 4" Outlet, Bronze Top .....	616.19	95.89
<i>For Sediment Bucket, Add</i>		
	22.50	
<i>For Galvanized Cast Iron Parts, Add</i>		
	105.00	
<i>For Vandal Proof Screws, Add</i>		
	11.00	
22 13 19 13-0006    EA    9" Round Top Floor Drain With 2" Outlet, Cast Iron Top .....	561.98	78.55
<i>For Ductile Iron Grate, Add</i>		
	48.00	
<i>For Cast Iron Dome Grate, Add</i>		
	17.00	
<i>For Nikaloy Dome Grate, Add</i>		
	178.50	
<i>For Bronze Dome Grate, Add</i>		
	143.00	
<i>For Cast Iron Extension Collar, Each 3", Add</i>		
	57.50	
<i>For Galvanized Extension Collar, Each 3", Add</i>		
	117.50	
<i>For Galvanized Cast Iron Parts, Add</i>		
	87.50	
<i>For Vandal Proof Screws, Add</i>		
	30.50	
22 13 19 13-0007    EA    9" Round Top Floor Drain With 3" Outlet, Cast Iron Top .....	578.73	86.90
<i>For Ductile Iron Grate, Add</i>		
	48.00	
<i>For Cast Iron Dome Grate, Add</i>		
	17.00	
<i>For Nikaloy Dome Grate, Add</i>		
	178.50	
<i>For Bronze Dome Grate, Add</i>		
	143.00	
<i>For Cast Iron Extension Collar, Each 3", Add</i>		
	57.50	
<i>For Galvanized Extension Collar, Each 3", Add</i>		
	117.50	
<i>For Galvanized Cast Iron Parts, Add</i>		
	87.50	
<i>For Vandal Proof Screws, Add</i>		
	30.50	
22 13 19 13-0008    EA    9" Round Top Floor Drain With 4" Outlet, Cast Iron Top .....	596.63	95.89
<i>For Ductile Iron Grate, Add</i>		
	48.00	
<i>For Cast Iron Dome Grate, Add</i>		
	17.00	
<i>For Nikaloy Dome Grate, Add</i>		
	178.50	
<i>For Bronze Dome Grate, Add</i>		
	143.00	
<i>For Cast Iron Extension Collar, Each 3", Add</i>		
	57.50	
<i>For Galvanized Extension Collar, Each 3", Add</i>		
	117.50	
<i>For Galvanized Cast Iron Parts, Add</i>		
	87.50	
<i>For Vandal Proof Screws, Add</i>		
	30.50	



**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 13 Facility Sanitary Sewerage**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0009	EA		9" Round Top Floor Drain With 2" Outlet, Nikaloy Top .....	964.93	78.55
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0010	EA		9" Round Top Floor Drain With 3" Outlet, Nikaloy Top .....	981.68	86.90
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0011	EA		9" Round Top Floor Drain With 4" Outlet, Nikaloy Top .....	999.58	95.89
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0012	EA		9" Round Top Floor Drain With 2" Outlet, Bronze Top .....	906.25	78.55
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0013	EA		9" Round Top Floor Drain With 3" Outlet, Bronze Top .....	922.91	86.90
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0014	EA		9" Round Top Floor Drain With 4" Outlet, Bronze Top .....	940.90	95.89
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0015	EA		12-5/8" Round Top Floor Drain With 2" Outlet, Cast Iron Top .....	1,000.06	78.49
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Chained Grate, Add</i>	48.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0016	EA		12-5/8" Round Top Floor Drain With 3" Outlet, Cast Iron Top .....	1,016.80	86.90
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Chained Grate, Add</i>	48.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0017	EA		12-5/8" Round Top Floor Drain With 4" Outlet, Cast Iron Top .....	1,034.79	95.89
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Chained Grate, Add</i>	48.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0018 EA 12-5/8" Round Top Floor Drain With 2" Outlet, Nikaloy Top.....	1,602.52	78.49
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
For Vandal Proof Screws, Add	30.50	
22 13 19 13-0019 EA 12-5/8" Round Top Floor Drain With 3" Outlet, Nikaloy Top.....	1,619.26	86.90
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
For Vandal Proof Screws, Add	30.50	
22 13 19 13-0020 EA 12-5/8" Round Top Floor Drain With 4" Outlet, Nikaloy Top.....	1,637.25	95.89
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
For Vandal Proof Screws, Add	30.50	
22 13 19 13-0021 EA 12-5/8" Round Top Floor Drain With 2" Outlet, Bronze Top.....	1,522.32	78.49
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
For Vandal Proof Screws, Add	30.50	
22 13 19 13-0022 EA 12-5/8" Round Top Floor Drain With 3" Outlet, Bronze Top.....	1,539.06	86.90
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
For Vandal Proof Screws, Add	30.50	
22 13 19 13-0023 EA 12-5/8" Round Top Floor Drain With 4" Outlet, Bronze Top.....	1,557.05	95.89
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
For Vandal Proof Screws, Add	30.50	
<b>22 13 19 13-0024 Square Or Rectangular Top Drains (22 13 19 13)</b>		
22 13 19 13-0025 EA 5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	673.40	78.49
For Sediment Bucket, Add	22.50	
For Galvanized Cast Iron Parts, Add	105.00	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0026 EA 5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	690.33	86.96
For Sediment Bucket, Add	22.50	
For Galvanized Cast Iron Parts, Add	105.00	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0027 EA 5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	708.13	95.89
For Sediment Bucket, Add	22.50	
For Galvanized Cast Iron Parts, Add	105.00	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0028 EA 6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	732.08	78.49
For Sediment Bucket, Add	22.50	
For Galvanized Cast Iron Parts, Add	105.00	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0029 EA 6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	749.01	86.96
For Sediment Bucket, Add	22.50	
For Galvanized Cast Iron Parts, Add	105.00	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0030 EA 6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	766.81	95.89
For Sediment Bucket, Add	22.50	
For Galvanized Cast Iron Parts, Add	105.00	
For Vandal Proof Screws, Add	11.00	
22 13 19 13-0031 EA 8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	990.28	78.49
For Sediment Bucket, Add	22.50	
For Galvanized Cast Iron Parts, Add	105.00	
For Vandal Proof Screws, Add	11.00	

<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 13</b>	<b>Facility Sanitary Sewerage</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0032	EA		8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	1,007.21	86.96
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0033	EA		8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	1,025.01	95.89
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0034	EA		5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top.....	630.36	78.49
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0035	EA		5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top.....	647.29	86.96
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0036	EA		5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top.....	665.09	95.89
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0037	EA		6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top.....	704.69	78.49
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0038	EA		6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top.....	721.62	86.96
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0039	EA		6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top.....	739.42	95.89
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0040	EA		8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top.....	913.99	78.49
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0041	EA		8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top.....	930.92	86.96
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0042	EA		8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top.....	948.72	95.89
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0043	EA		12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top.....	2,440.99	86.96
			<i>For Galvanized Cast Iron Parts, Add</i>	318.00	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
			<i>For Chained Grate, Add</i>	48.50	
22 13 19 13-0044	EA		12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top.....	2,458.79	95.89
			<i>For Galvanized Cast Iron Parts, Add</i>	318.00	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
			<i>For Chained Grate, Add</i>	48.50	
22 13 19 13-0045	EA		12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top.....	3,078.66	86.96
			<i>For Galvanized Cast Iron Parts, Add</i>	318.00	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
			<i>For Chained Grate, Add</i>	48.50	
22 13 19 13-0046	EA		12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top.....	3,096.46	95.89
			<i>For Galvanized Cast Iron Parts, Add</i>	318.00	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
			<i>For Chained Grate, Add</i>	48.50	
22 13 19 13-0047	EA		12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top.....	3,002.38	86.96
			<i>For Galvanized Cast Iron Parts, Add</i>	318.00	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
			<i>For Chained Grate, Add</i>	48.50	
22 13 19 13-0048	EA		12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top.....	3,020.18	95.89
			<i>For Galvanized Cast Iron Parts, Add</i>	318.00	
			<i>For No-Hub Side Outlet, Add</i>	76.00	
			<i>For Chained Grate, Add</i>	48.50	
22 13 19 13-0049	EA		5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	1,005.93	78.49
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0050	EA		5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	1,022.86	86.96
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0051	EA		5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	1,040.66	95.89
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0052	EA		5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	1,309.11	78.49
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Vandal Proof Screws, Add</i>	11.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0053 EA 5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,326.04 120.94 22.50 11.00	86.96
22 13 19 13-0054 EA 5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,343.84 120.94 22.50 11.00	95.89
22 13 19 13-0055 EA 5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top ..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,379.53 120.94 22.50 11.00	78.49
22 13 19 13-0056 EA 5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top ..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,396.46 120.94 22.50 11.00	86.96
22 13 19 13-0057 EA 5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top ..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,414.26 120.94 22.50 11.00	95.89
22 13 19 13-0058 EA 5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,925.27 120.94 22.50 11.00	78.49
22 13 19 13-0059 EA 5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,942.20 120.94 22.50 11.00	86.96
22 13 19 13-0060 EA 5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,960.00 120.94 22.50 11.00	95.89
22 13 19 13-0061 EA 5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	943.33 120.94 22.50 11.00	78.49
22 13 19 13-0062 EA 5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	960.26 120.94 22.50 11.00	86.96
22 13 19 13-0063 EA 5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	978.06 120.94 22.50 11.00	95.89
22 13 19 13-0064 EA 5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,201.53 120.94 22.50 11.00	78.49
22 13 19 13-0065 EA 5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,218.46 120.94 22.50 11.00	86.96
22 13 19 13-0066 EA 5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,236.26 120.94 22.50 11.00	95.89
22 13 19 13-0067 EA 5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,271.95 120.94 22.50 11.00	78.49
22 13 19 13-0068 EA 5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,288.88 120.94 22.50 11.00	86.96
22 13 19 13-0069 EA 5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,306.68 120.94 22.50 11.00	95.89
22 13 19 13-0070 EA 5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,715.97 120.94 22.50 11.00	78.49
22 13 19 13-0071 EA 5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,732.90 120.94 22.50 11.00	86.96
22 13 19 13-0072 EA 5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,750.70 120.94 22.50 11.00	95.89

22 13 19 13-0073 Funnel Type Floor Drains (22 13 19 13)

<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 13</b>	<b>Facility Sanitary Sewerage</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0074	EA		7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top	951.95	70.08
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
22 13 19 13-0075	EA		7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top	968.76	78.49
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
22 13 19 13-0076	EA		7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top	985.50	86.90
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
22 13 19 13-0077	EA		7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top	1,003.49	95.89
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
22 13 19 13-0078	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top	1,408.87	78.49
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Primer Tap, Add</i>	15.10	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
22 13 19 13-0079	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top	1,425.61	86.90
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Primer Tap, Add</i>	15.10	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
22 13 19 13-0080	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top	1,443.60	95.89
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Primer Tap, Add</i>	15.10	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
22 13 19 13-0081	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top	1,332.59	78.49
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Primer Tap, Add</i>	15.10	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
22 13 19 13-0082	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top	1,349.33	86.90
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Primer Tap, Add</i>	15.10	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
22 13 19 13-0083	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top	1,367.32	95.89
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Primer Tap, Add</i>	15.10	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
<b>22 13 19 13-0084</b>			<b>Floor Drain With Sediment Bucket Bottom Outlet</b> <small>(22 13 19 13)</small>		
22 13 19 13-0085	EA		12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap	2,070.75	70.08
			<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0086	EA		12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap	2,087.62	78.49
			<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0087	EA		12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap	2,104.36	86.90
			<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0088	EA		12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap	2,122.35	95.89
			<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0089	EA		12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap	2,140.90	105.15
			<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0090	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Gate	2,236.28	78.49
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
22 13 19 13-0091	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Gate	2,253.21	86.96
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	273.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0092 EA 12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate .....	2,271.01	95.89
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	31.00	
<i>For Aluminum Bucket, Add</i>	77.50	
<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
22 13 19 13-0093 EA 12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate .....	2,289.56	105.15
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	31.00	
<i>For Aluminum Bucket, Add</i>	77.50	
<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
22 13 19 13-0094 EA 12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate .....	1,354.10	78.49
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	31.00	
<i>For Aluminum Bucket, Add</i>	77.50	
<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
22 13 19 13-0095 EA 12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate .....	1,371.03	86.96
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	31.00	
<i>For Aluminum Bucket, Add</i>	77.50	
<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
22 13 19 13-0096 EA 12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate .....	1,388.83	95.89
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	31.00	
<i>For Aluminum Bucket, Add</i>	77.50	
<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
22 13 19 13-0097 EA 12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate .....	1,407.38	105.15
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	31.00	
<i>For Aluminum Bucket, Add</i>	77.50	
<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
22 13 19 13-0098 EA 12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate .....	2,083.71	78.49
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	31.00	
<i>For Aluminum Bucket, Add</i>	77.50	
<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
22 13 19 13-0099 EA 12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate .....	2,100.64	86.96
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	31.00	
<i>For Aluminum Bucket, Add</i>	77.50	
<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
22 13 19 13-0100 EA 12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate .....	2,118.44	95.89
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	31.00	
<i>For Aluminum Bucket, Add</i>	77.50	
<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
22 13 19 13-0101 EA 12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate .....	2,136.99	105.15
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	31.00	
<i>For Aluminum Bucket, Add</i>	77.50	
<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
<b>22 13 19 13-0102 Other Drains</b> <small>(22 13 19 13)</small>		
<b>22 13 19 13-0103 Shower Drains</b> <small>(22 13 19 13-0102)</small>		
22 13 19 13-0104 EA 4-1/4" Stainless Steel Shower Drain Strainer .....	29.67	7.08
Note: Includes two 2-5/8" screws.		
22 13 19 13-0105 EA 4-1/4" Brass Shower Drain Strainer .....	33.00	7.08
Note: Includes two 2-5/8" screws.		
22 13 19 13-0106 EA 4" Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe .....	68.38	14.16
Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe.		
22 13 19 13-0107 EA 4" Chrome Finish, Threaded Brass Shower Drain And Gasket .....	87.51	14.16
Note: For 2" pipe. Kohler K-9132.		
<b>22 13 19 13-0108 Acid Resistant Floor Drains</b> <small>(22 13 19 13-0102)</small>		
22 13 19 13-0109 EA 9" Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top .....	959.71	70.08
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
<i>For Primer Tap, Add</i>	33.50	
<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0110 EA 9" Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top .....	976.58	78.49
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
<i>For Primer Tap, Add</i>	33.50	
<i>For Vandal Proof Screws, Add</i>	30.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0111 EA 9" Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top .....	993.32	86.90
For Galvanized Cast Iron Parts, Add	87.50	
For Primer Tap, Add	33.50	
For Vandal Proof Screws, Add	30.50	
<b>22 13 19 13-0112 Rotary And Lever Drains (22 13 19 13-0102)</b>		
22 13 19 13-0113 EA 1-1/2" Drain, 3" Sink Opening Lever Drain.....	159.58	47.26
22 13 19 13-0114 EA 2" Drain, 3" Sink Opening Lever Drain.....	169.35	52.15
22 13 19 13-0115 EA 1-1/2" Drain, 3-1/2" Sink Opening Lever Drain.....	159.58	47.26
22 13 19 13-0116 EA 2" Drain, 3-1/2" Sink Opening Lever Drain.....	169.35	52.15
22 13 19 13-0117 EA 1-1/2" Drain, 3" Sink Opening Twist Drain .....	159.58	47.26
22 13 19 13-0118 EA 2" Drain, 3" Sink Opening Twist Drain .....	169.35	52.15
22 13 19 13-0119 EA 1-1/2" Drain, 3-1/2" Sink Opening Twist Drain .....	159.58	47.26
22 13 19 13-0120 EA 2" Drain, 3-1/2" Sink Opening Twist Drain .....	169.35	52.15
22 13 19 13-0121 EA 1-1/2"-2" Drain, 3-1/2" Sink Opening Rotary Twist Drain (Fisher 16100).....	219.55	52.15
<b>22 13 19 13-0122 Floor Receptor (22 13 19 13)</b>		
<b>22 13 19 13-0123 9" Diameter Round Shallow Receptor (22 13 19 13-0122)</b>		
Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.		
22 13 19 13-0124 EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection.....	1,182.08	78.55
For Flange With Seepage Holes, Add	58.50	
For Flange With Seepage Holes And Clamp Collar, Add	97.00	
For Trap Primer Connection, Add	38.00	
For Full Grate With 2" Square Center Opening, Add	36.00	
For Vandal Proof Secured Grate, Add	33.50	
For White Acid Resistant Bucket, Add	47.00	
For Stainless Steel Liner For Bucket, Add	62.50	
22 13 19 13-0125 EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection.....	1,199.08	87.02
For Flange With Seepage Holes, Add	58.50	
For Flange With Seepage Holes And Clamp Collar, Add	97.00	
For Trap Primer Connection, Add	38.00	
For Full Grate With 2" Square Center Opening, Add	36.00	
For Vandal Proof Secured Grate, Add	33.50	
For White Acid Resistant Bucket, Add	47.00	
For Stainless Steel Liner For Bucket, Add	62.50	
22 13 19 13-0126 EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection.....	1,216.70	95.89
For Flange With Seepage Holes, Add	58.50	
For Flange With Seepage Holes And Clamp Collar, Add	97.00	
For Trap Primer Connection, Add	38.00	
For Full Grate With 2" Square Center Opening, Add	36.00	
For Vandal Proof Secured Grate, Add	33.50	
For White Acid Resistant Bucket, Add	47.00	
For Stainless Steel Liner For Bucket, Add	62.50	
<b>22 13 19 13-0127 Square Top Floor Receptors (22 13 19 13-0122)</b>		
Note: With acid resistant coating.		
22 13 19 13-0128 EA 8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top .....	1,407.71	70.08
For Flange With Seepage Holes, Add	37.50	
For Flange With Seepage Holes And Clamp Collar, Add	69.00	
For Trap Primer Connection, Add	39.50	
For Full Grate With 2" Square Center Opening, Add	36.00	
For Vandal Proof Secured Grate, Add	15.50	
For White Acid Resistant Bucket, Add	88.00	
For Stainless Steel Liner For Bucket, Add	97.00	
22 13 19 13-0129 EA 8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top.....	1,424.60	78.55
For Flange With Seepage Holes, Add	37.50	
For Flange With Seepage Holes And Clamp Collar, Add	69.00	
For Trap Primer Connection, Add	39.50	
For Full Grate With 2" Square Center Opening, Add	36.00	
For Vandal Proof Secured Grate, Add	15.50	
For White Acid Resistant Bucket, Add	88.00	
For Stainless Steel Liner For Bucket, Add	97.00	
22 13 19 13-0130 EA 8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top.....	1,441.26	86.90
For Flange With Seepage Holes, Add	37.50	
For Flange With Seepage Holes And Clamp Collar, Add	69.00	
For Trap Primer Connection, Add	39.50	
For Full Grate With 2" Square Center Opening, Add	36.00	
For Vandal Proof Secured Grate, Add	15.50	
For White Acid Resistant Bucket, Add	88.00	
For Stainless Steel Liner For Bucket, Add	97.00	
22 13 19 13-0131 EA 8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top.....	1,459.25	95.89
For Flange With Seepage Holes, Add	37.50	
For Flange With Seepage Holes And Clamp Collar, Add	69.00	
For Trap Primer Connection, Add	39.50	
For Full Grate With 2" Square Center Opening, Add	36.00	
For Vandal Proof Secured Grate, Add	15.50	
For White Acid Resistant Bucket, Add	88.00	
For Stainless Steel Liner For Bucket, Add	97.00	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 13 19 13-0132</b>				<b>Floor Drain Accessories</b> <small>(22 13 19 13)</small>		
22 13 19 13-0133	EA			3" Trap Guard Floor Drain Insert (ProVent TG3H)..... Note: Prevents emission of sewer gases.	63.56	8.15
22 13 19 13-0134	EA			2" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22) ..... Note: Prevents emission of sewer gases.	51.74	8.15
22 13 19 13-0135	EA			3" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33) ..... Note: Prevents emission of sewer gases.	56.47	8.15
22 13 19 13-0136	EA			3" Trap Guard Drain Insert For 4" Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP)..... Note: Prevents emission of sewer gases.	68.29	8.15
22 13 19 13-0137	EA			3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP)..... Note: Prevents emission of sewer gases.	61.20	8.15
22 13 19 13-0138	EA			2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02) ..... Note: Prevents emission of sewer gases.	87.37	8.15
22 13 19 13-0139	EA			3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03) ..... Note: Prevents emission of sewer gases.	96.89	8.15
22 13 19 13-0140	EA			4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04) ..... Note: Prevents emission of sewer gases.	120.50	8.15
<b>22 13 19 26</b>				<b>Grease Removal Devices</b> <small>(22 13 19)</small>		
<b>22 13 19 26-0001</b>				<b>Manual Cleaning Epoxy Coated Steel Grease Interceptor</b> <small>(22 13 19 26)</small> Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.		
<b>22 13 19 26-0002</b>				<b>Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor</b> <small>(22 13 19 26-0001)</small> Note: Josam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zurn Z1173/Z1170 series.		
22 13 19 26-0003	EA			7 GPM, 14 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60102H.	739.04	48.90
				<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,256.19	
22 13 19 26-0004	EA			10 GPM, 20 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60103H.	861.89	110.00
				<i>For Flange And Clamp Device, Add</i>	333.50	
				<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,323.45	
22 13 19 26-0005	EA			15 GPM, 30 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60104H.	1,221.90	122.22
				<i>For Flange And Clamp Device, Add</i>	341.65	
				<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,444.15	
22 13 19 26-0006	EA			20 GPM, 40 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60105H.	1,475.38	134.45
				<i>For Flange And Clamp Device, Add</i>	349.80	
				<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,559.41	
22 13 19 26-0007	EA			25 GPM, 50 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60106H.	1,651.70	146.68
				<i>For Flange And Clamp Device, Add</i>	388.34	
				<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,619.95	
22 13 19 26-0008	EA			35 GPM, 70 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60107H.	2,028.02	171.12
				<i>For Flange And Clamp Device, Add</i>	415.84	
				<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,776.88	
22 13 19 26-0009	EA			50 GPM, 100 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60108H.	2,644.37	195.56
				<i>For Flange And Clamp Device, Add</i>	473.10	
				<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,886.76	
22 13 19 26-0010	EA			75 GPM, 150 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60109H.	5,192.03	220.01
				<i>For Flange And Clamp Device, Add</i>	690.67	
22 13 19 26-0011	EA			100 GPM, 200 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60110H.	5,845.98	251.22
				<i>For Flange And Clamp Device, Add</i>	775.48	
22 13 19 26-0012	EA			150 GPM, 300 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60213A.	7,205.91	401.96
				<i>For Flange And Clamp Device, Add</i>	1,035.97	
22 13 19 26-0013	EA			200 GPM, 400 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60214A.	10,346.05	502.44
				<i>For Flange And Clamp Device, Add</i>	1,232.24	
22 13 19 26-0014	EA			250 GPM, 500 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60215A.	12,067.63	602.93
				<i>For Flange And Clamp Device, Add</i>	1,612.20	
22 13 19 26-0015	EA			350 GPM, 700 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60216A.	15,686.21	703.43
				<i>For Flange And Clamp Device, Add</i>	1,916.95	
22 13 19 26-0016	EA			500 GPM, 1,000 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60217A.	20,302.09	803.91
				<i>For Flange And Clamp Device, Add</i>	2,257.22	
<b>22 13 19 26-0017</b>				<b>Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor</b> <small>(22 13 19 26-0001)</small> Note: Josam 60110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series.		
22 13 19 26-0018	EA			20 GPM, 40 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60115A.	2,122.01	134.45
22 13 19 26-0019	EA			35 GPM, 70 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60117A.	2,729.76	171.12





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0020 EA 50 GPM, 100 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Smith 8150.	4,499.34	195.56
<b>22 13 19 26-0021 Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor</b> (22 13 19 26) Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting.		
<b>22 13 19 26-0022 Standard Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor</b> (22 13 19 26-0021) Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JCX, or Zurn Z1173-TD series.		
22 13 19 26-0023 EA 7 GPM, 14 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60102-SA.	1,864.11	48.90
<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,256.19	
22 13 19 26-0024 EA 10 GPM, 20 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60103-SA.	2,191.88	110.00
<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,323.45	
22 13 19 26-0025 EA 15 GPM, 30 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60104-SA.	2,342.07	122.22
<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,444.15	
22 13 19 26-0026 EA 20 GPM, 40 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60105-SA.	2,857.63	134.45
<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,559.41	
22 13 19 26-0027 EA 25 GPM, 50 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60106-SA.	3,444.21	146.68
<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,619.95	
22 13 19 26-0028 EA 35 GPM, 70 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60107-SA.	3,562.13	171.12
<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,776.88	
22 13 19 26-0029 EA 50 GPM, 100 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60108-SA.	4,066.21	195.56
<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,886.76	
<b>22 13 19 26-0030 Low Profile Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor</b> (22 13 19 26-0021) Note: Josam 60115A-SA, Smith 8100GTX, or Zurn Z1171-TD series.		
22 13 19 26-0031 EA 35 GPM, 70 LB Capacity Low Profile Semi Automatic Epoxy Coated Steel Grease Interceptor..... Note: Josam 60115A-SA.	4,783.53	171.12
<b>22 13 19 26-0032 Automatic Cleaning Stainless Steel Grease Interceptor</b> (22 13 19 26) Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 20 Greasestopper).		
22 13 19 26-0033 EA 20 GPM, 69 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor ..... Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 20 Greasestopper).	4,080.12	134.45
22 13 19 26-0034 EA 20 GPM, 91 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor ..... Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 25 Greasestopper).	4,744.24	146.68
22 13 19 26-0035 EA 35 GPM, 70 LB Capacity, 110 Volt, Automatic Cleaning Stainless Steel Grease Trap/Removal Device (Guardian GGX35) .....	4,075.29	171.12
<b>22 13 19 26-0036 Precast Concrete Grease Interceptor</b> (22 13 19 26) Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic.		
22 13 19 26-0037 EA 1,000 Gallon Pre-Cast Grease Interceptor.....	5,754.04	214.16
22 13 19 26-0038 EA 1,250 Gallon Pre-Cast Grease Interceptor.....	6,616.69	214.16
22 13 19 26-0039 EA 1,500 Gallon Pre-Cast Grease Interceptor.....	7,508.01	244.84
22 13 19 26-0040 EA 2,000 Gallon Pre-Cast Grease Interceptor.....	8,471.46	345.77
22 13 19 26-0041 EA 2,500 Gallon Pre-Cast Grease Interceptor.....	9,456.50	465.21
22 13 19 26-0042 EA 4,000 Gallon Pre-Cast Grease Interceptor.....	14,276.14	612.06
22 13 19 26-0043 EA 5,000 Gallon Pre-Cast Grease Interceptor.....	18,093.16	1,003.68
<b>22 13 19 26-0044 Coated Steel Manual Oil Interceptor</b> (22 13 19 26) Note: Includes internal air relief, and flow control fitting.		
22 13 19 26-0045 EA 10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	2,790.01	186.23
22 13 19 26-0046 EA 15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	3,759.63	221.27
22 13 19 26-0047 EA 20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	4,552.47	272.26
22 13 19 26-0048 EA 25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	4,944.12	294.91
22 13 19 26-0049 EA 35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	5,936.17	321.82
22 13 19 26-0050 EA 50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	7,828.02	354.04
22 13 19 26-0051 EA 75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	13,146.03	407.43
22 13 19 26-0052 EA 100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	14,370.71	501.30
22 13 19 26-0053 EA 150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	17,646.85	543.34
22 13 19 26-0054 EA 200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	24,701.00	651.88
22 13 19 26-0055 EA 250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	28,496.75	700.77
22 13 19 26-0056 EA 350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	35,904.47	835.71
22 13 19 26-0057 EA 400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	43,366.34	684.80
22 13 19 26-0058 EA 500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off.....	51,372.13	814.85
<b>22 13 19 33 Backwater Valves</b> (22 13 19)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 13 19 33-0001</b> Cast Iron Body Terminal Backwater Valves <small>(22 13 19 33)</small>		
22 13 19 33-0002 EA 2" Cast Iron Body Terminal Backwater Valve .....	222.41	18.71
22 13 19 33-0003 EA 3" Cast Iron Body Terminal Backwater Valve .....	229.58	23.54
22 13 19 33-0004 EA 4" Cast Iron Body Terminal Backwater Valve .....	330.24	31.29
22 13 19 33-0005 EA 6" Cast Iron Body Terminal Backwater Valve .....	870.35	40.41
22 13 19 33-0006 EA 8" Cast Iron Body Terminal Backwater Valve .....	1,065.24	53.18
22 13 19 33-0007 EA 10" Cast Iron Body Terminal Backwater Valve .....	3,060.43	65.60
22 13 19 33-0008 EA 12" Cast Iron Body Terminal Backwater Valve .....	3,469.58	85.09
<b>22 13 19 33-0009</b> Cast Iron Backwater Sewer Line Valve <small>(22 13 19 33)</small>		
Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections.		
22 13 19 33-0010 EA 2" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly .....	554.80	44.61
22 13 19 33-0011 EA 3" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly .....	839.20	54.11
22 13 19 33-0012 EA 4" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly .....	1,039.45	69.75
22 13 19 33-0013 EA 6" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly .....	1,438.97	73.41
22 13 19 33-0014 EA 8" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly .....	1,989.47	86.99
<b>22 13 19 33-0015</b> Cast Iron, Straight Through Shear Gate, Swing Check Backwater Valve <small>(22 13 19 33)</small>		
Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections.		
22 13 19 33-0016 EA 3" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve .....	1,475.39	70.60
22 13 19 33-0017 EA 4" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve .....	1,510.33	93.87
22 13 19 33-0018 EA 5" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve .....	2,179.82	108.72
22 13 19 33-0019 EA 6" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve .....	2,198.72	121.21
<b>22 13 19 33-0020</b> Polyvinyl Chloride (PVC) Backwater Sewer Line Valve <small>(22 13 19 33)</small>		
Note: Oatey.		
22 13 19 33-0021 EA 3" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43900) .....	81.47	23.54
22 13 19 33-0022 EA 4" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43904) .....	97.87	31.29
22 13 19 33-0023 EA 6" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43908) .....	277.77	40.41
<b>22 13 19 33-0024</b> Polyvinyl Chloride (PVC) Extendable Backwater Valves <small>(22 13 19 33)</small>		
22 13 19 33-0025 EA 3" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) .....	191.45	47.07
Note: Includes valve body, flapper assembly and collar.		
22 13 19 33-0026 EA 4" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) .....	254.95	62.58
Note: Includes valve body, flapper assembly and collar.		
22 13 19 33-0027 EA 6" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) .....	429.60	80.80
Note: Includes valve body, flapper assembly and collar.		
<b>22 13 19 36</b> Air-Admittance Valves <small>(22 13 19)</small>		
<b>22 13 19 36-0001</b> Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC) Automatic Drain Vent <small>(22 13 19 36)</small>		
22 13 19 36-0002 EA 1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent .....	124.15	9.13
22 13 19 36-0003 EA 2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent .....	148.16	9.13
<b>22 13 23</b> Sanitary Waste Interceptors <small>(22 13)</small>		
<b>22 13 23 00-0001</b> Sediment Bucket Solids Interceptors <small>(22 13 23)</small>		
22 13 23 00-0002 EA 1-1/2" Or 2" Top Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1180) .....	725.76	92.31
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0003 EA 1-1/2" Or 2" Bottom Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1184) .....	726.66	92.31
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0004 EA 1-1/2" Or 2" Top Access, Acid Resistant Coated Steel (Inside And Outside), Aluminum Cover, Removable Stainless Steel Sediment Bucket Solids Interceptor (Jay R. Smith 8714 ARIO) .....	1,019.46	92.31
Note: On floor mount. Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0005 EA 1-1/2" Or 2" Bottom Access, 15 GPM, Acid Resistant Coated Cast Iron, Aluminum Strainer, Removable Stainless Steel Screens, Sediment Bucket Solids Interceptor (Jay R. Smith 8730-ARIO) .....	1,019.46	92.31
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0006 EA 1-1/2" Or 2" Top Access, Acid Resistant Coated Cast Aluminum (Inside And Outside) Removable Stainless Steel Screen, Sediment Bucket Solids Interceptor (Josam 61030) .....	1,085.75	92.31
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0007 Drum Trap, Solids Interceptors <small>(22 13 23)</small>		
22 13 23 00-0008 Extra Heavy Duty Cast Iron Drum Trap <small>(22 13 23 00-0007)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 23 00-0009 EA 8-1/2" Diameter x 12-3/4" High Solids Interceptor, 1-1/2" Inlet/Outlet, Extra Heavy Cast Iron.....	1,120.39	91.27
For Acid Coating Inside Or Outside, Add	552.21	
For Acid Coating Inside And Outside, Add	664.70	
22 13 23 00-0010 EA 8-1/2" Diameter x 12-3/4" High Solids Interceptor, 2" Inlet/Outlet, Extra Heavy Cast Iron.....	1,136.69	104.30
For Acid Coating Inside Or Outside, Add	552.21	
For Acid Coating Inside And Outside, Add	664.70	
<b>22 13 23 00-0011 Aluminum, Solid Interceptor, Drum Trap (22 13 23 00-0007)</b>		
22 13 23 00-0012 EA 8-1/2" Diameter x 12-3/4" High Solids Interceptor, 1-1/2" Inlet/Outlet, Aluminum.....	1,535.19	91.27
22 13 23 00-0013 EA 8-1/2" Diameter x 12-3/4" High Solids Interceptor, 2" Inlet/Outlet, Aluminum.....	1,551.49	104.30
<b>22 13 23 00-0014 Solid Interceptors, Cast Iron With Internal Deep Seal Trap (22 13 23)</b>		
22 13 23 00-0015 EA 1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel.....	285.66	31.58
For Stainless Steel Bucket, Add	175.00	
22 13 23 00-0016 EA 2" Inlet Cast Iron Solid Interceptor, Painted Enamel.....	289.70	33.63
For Stainless Steel Bucket, Add	175.00	
<b>22 13 23 00-0017 Sediment Strainers (22 13 23)</b>		
22 13 23 00-0018 EA 2" Strainer, Pump Suction Side.....	99.26	43.11
<b>22 13 29 Sanitary Sewerage Pumps (22 13)</b>		
Note: Includes extra set of gaskets, bearings and seals.		
<b>22 13 29 13 Wet-Pit-Mounted, Vertical Sewerage Pumps (22 13 29)</b>		
<b>22 13 29 13-0001 Vertical Non-Clog Sewage Pumps (22 13 29 13)</b>		
<b>22 13 29 13-0002 1-1/2" Solids 1,750 RPM Vertical Sewage Pumps (22 13 29 13-0001)</b>		
22 13 29 13-0003 EA 1/2 HP, Up To 75 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	4,124.01	781.99
22 13 29 13-0004 EA 3/4 HP, Up To 125 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	4,281.36	781.99
22 13 29 13-0005 EA 1 HP, Up To 150 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	4,438.71	781.99
22 13 29 13-0006 EA 1-1/2 HP, Up To 150 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	4,588.80	781.99
<b>22 13 29 13-0007 2" Solids 1,750 RPM Vertical Sewage Pumps (22 13 29 13-0001)</b>		
22 13 29 13-0008 EA 3/4 HP, Up To 75 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	4,559.75	781.99
22 13 29 13-0009 EA 1 HP, Up To 100 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	4,620.27	781.99
22 13 29 13-0010 EA 2 HP, Up To 200 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	4,662.63	781.99
22 13 29 13-0011 EA 3 HP, Up To 300 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	4,953.13	781.99
22 13 29 13-0012 EA 5 HP, Up To 400 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	5,237.57	781.99
22 13 29 13-0013 EA 7-1/2 HP, Up To 500 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	5,673.32	781.99
22 13 29 13-0014 EA 10 HP, Up To 600 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	6,109.06	781.99
22 13 29 13-0015 EA 15 HP, Up To 600 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	7,062.15	1,040.67
<b>22 13 29 13-0016 3" Solids 1,750 RPM Vertical Sewage Pumps (22 13 29 13-0001)</b>		
22 13 29 13-0017 EA 2 HP, Up To 300 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	4,862.99	781.99
22 13 29 13-0018 EA 3 HP, Up To 400 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	4,862.99	781.99
22 13 29 13-0019 EA 5 HP, Up To 500 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	4,967.85	781.99
22 13 29 13-0020 EA 7-1/2 HP, Up To 700 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	5,781.43	781.99
22 13 29 13-0021 EA 10 HP, Up To 800 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	5,924.14	781.99
22 13 29 13-0022 EA 15 HP, Up To 900 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	7,112.35	1,040.67
22 13 29 13-0023 EA 20 HP, Up To 900 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	7,475.47	1,040.67
<b>22 13 29 13-0024 Extra Column Assemblies Addition, 5' Or Less (22 13 29 13-0001)</b>		
22 13 29 13-0025 EA 2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	544.22	
22 13 29 13-0026 EA 3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	653.44	
22 13 29 13-0027 EA 4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	730.37	
22 13 29 13-0028 EA 5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	743.67	
22 13 29 13-0029 EA 6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	834.84	
<b>22 13 29 13-0030 Float Switches (22 13 29 13-0001)</b>		
Note: Copper coated floats, brass rods and stops and switch brackets.		
22 13 29 13-0031 EA Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps.....	489.13	
22 13 29 13-0032 EA Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps.....	513.82	
22 13 29 13-0033 EA Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps.....	525.22	
<b>22 13 29 13-0034 Square Or Round Steel Sump Covers (22 13 29 13-0001)</b>		
22 13 29 13-0035 EA 24" Steel Sump Covers, Square Or Round.....	491.14	26.08
22 13 29 13-0036 EA 30" Steel Sump Covers, Square Or Round.....	543.71	29.33
22 13 29 13-0037 EA 36" Steel Sump Covers, Square Or Round.....	754.61	39.11
22 13 29 13-0038 EA 40" Steel Sump Covers, Square Or Round.....	1,093.19	45.63
22 13 29 13-0039 EA 42" Steel Sump Covers, Square Or Round.....	1,175.36	47.26
22 13 29 13-0040 EA 48" Steel Sump Covers, Square Or Round.....	1,256.94	48.90



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 13-0041	EA			54" Steel Sump Covers, Square Or Round.....	1,601.52	58.67
22 13 29 13-0042	EA			60" Steel Sump Covers, Square Or Round.....	2,170.90	65.19
22 13 29 13-0043	EA			72" Steel Sump Covers, Square Or Round.....	2,752.98	81.49
22 13 29 13-0044	EA			84" Steel Sump Covers, Square Or Round.....	3,500.93	89.63
<b>22 13 29 13-0045</b>				<b>Sludge Pumps</b> <small>(22 13 29 13)</small>		
<b>22 13 29 13-0046</b>				<b>Vortex Type Sludge Pumps</b> <small>(22 13 29 13-0045)</small>		
				Note: 1750 RPM motor, 230/460V, cast iron casing, cast iron impeller, and single stage.		
22 13 29 13-0047	EA			15HP Vortex Type Sludge Pump, 4" Flange Connections (Wemco C).....	26,017.70	967.89
				<i>For Explosion Proof Motor, Add</i>	375.00	
22 13 29 13-0048	EA			30HP Vortex Type Sludge Pump, 6" Flange Connections (Wemco C).....	36,479.70	1,244.44
				<i>For Explosion Proof Motor, Add</i>	750.00	
22 13 29 13-0049	EA			75HP Vortex Type Sludge Pump, 8" Flange Connections (Wemco C).....	46,901.13	1,901.21
				<i>For Explosion Proof Motor, Add</i>	1,125.00	
22 13 29 13-0050	EA			20 HP Vortex Type Sludge Pump, 8" Intake And 6" Discharge Flange Connections (Wemco E).....	19,833.11	1,106.16
				<i>For Explosion Proof Motor, Add</i>	500.00	
22 13 29 13-0051	EA			50HP Vortex Type Sludge Pump, 6" Intake And 11" Discharge Flange Connections (Wemco E).....	31,635.59	1,520.97
				<i>For Explosion Proof Motor, Add</i>	1,250.00	
<b>22 13 29 13-0052</b>				<b>Polymer Feed Sludge Pumps</b> <small>(22 13 29 13-0045)</small>		
				Note: 230/460 volt		
22 13 29 13-0053	EA			115 GPM/100 RPM @ 0 PSI, Polymer Feed Sludge Pump, 25 HP, 400 RPM Motor, 8" Flange connections (Moyno 1H115G1CDQAAA).....	32,860.94	1,041.90
				Note: Single stage, cast iron casing, alloy steel rotor, and nitrile stator.		
				<i>For 75 HP Motor, Add</i>	17,750.00	
22 13 29 13-0054	EA			22 GPM/100 RPM @ 0 PSI Polymer Feed Sludge Pump, 3 HP, 500 RPM Motor, 6" Flange Connections (Moyno 1E022G1SSFCAA).....	24,860.30	390.80
				Note: Single stage, 316 stainless steel casing and rotor, and fluoro-elastomer stator.		
				<i>For 7-1/2 HP Motor, Add</i>	2,676.00	
22 13 29 13-0055	EA			12 GPM/100 RPM @ 0 PSI Polymer Feed Sludge Pump, 3 HP, 900 RPM Motor, 4" Flange Connections (Moyno 2E012G1SSFCAA).....	23,004.82	390.80
				Note: Two stage. 316 stainless steel casing and rotor, and fluoro-elastomer stator.		
22 13 29 13-0056	EA			8 GPM/100 RPM @ 0 PSI Polymer Feed Sludge Pump, 3 HP, 900 RPM Motor, 4" Flange Connections (Moyno 1E008G1CSFDAA).....	14,685.33	390.80
				Note: Single stage, cast iron body, 316 stainless steel rotor, and fluoro-elastomer stator.		
				<i>For 7-1/2 HP Motor, Add</i>	2,676.00	
<b>22 13 29 13-0057</b>				<b>Centrifuge Pilot Pumps</b> <small>(22 13 29 13-0045)</small>		
22 13 29 13-0058	EA			Centrifuge Pilot Pump, 325 GPM/100 RPM @ 0 PSI, Two stage, 10" Flange Connections (Moyno 2K345G1CDQAAA).....	77,920.58	1,140.73
				Note: 25HP, 900 RPM Motor, 230/460 volt, cast iron body, alloy steel rotor, and nitrile stator.		
				<i>For 75 HP Motor, Add</i>	15,864.00	
22 13 29 13-0059	EA			620 GPM/100 RPM @ 0 PSI Centrifuge Pilot Pump, Single Stage, 10" Flange Connections (Moyno 1K620G1CDQAAA).....	82,364.51	1,140.73
				Note: 25HP, 900 RPM Motor, 230/460 volt, cast iron body, alloy steel rotor, and nitrile stator.		
				<i>For 75 HP Motor, Add</i>	15,864.00	
<b>22 13 29 16</b>				<b>Submersible Sewerage Pumps</b> <small>(22 13 29)</small>		
				Note: Includes 25' of cord with pumps unless otherwise noted.		
<b>22 13 29 16-0001</b>				<b>Submersible Sewage Pumps With Vortex Impeller</b> <small>(22 13 29 16)</small>		
<b>22 13 29 16-0002</b>				<b>Submersible Sewage Pumps With Cast Iron Vortex Impeller</b> <small>(22 13 29 16-0001)</small>		
22 13 29 16-0003	EA			1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	481.06	47.44
22 13 29 16-0004	EA			1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	638.66	47.44
22 13 29 16-0005	EA			1 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	767.84	59.30
<b>22 13 29 16-0006</b>				<b>Submersible Sewage Pumps With Bronze Vortex Impeller</b> <small>(22 13 29 16-0001)</small>		
22 13 29 16-0007	EA			1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	733.29	47.44
22 13 29 16-0008	EA			1 HP Submersible Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	896.57	59.30
22 13 29 16-0009	EA			1-1/2 HP Submersible Sewage Pump, 230 Volt, 1 Or 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,069.71	95.59
22 13 29 16-0010	EA			2 HP Submersible Sewage Pump, 230 Volt, 1 Or 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,165.67	116.83
<b>22 13 29 16-0011</b>				<b>Submersible Sewage Pumps With Semi-Open Impeller</b> <small>(22 13 29 16)</small>		
22 13 29 16-0012	EA			1 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,615.70	59.30
22 13 29 16-0013	EA			1.5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,740.60	87.91
22 13 29 16-0014	EA			2 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	2,249.76	107.44

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 13 Facility Sanitary Sewerage**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0015	EA		3 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	2,611.49	130.24
22 13 29 16-0016	EA		5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	3,043.10	153.03
22 13 29 16-0017	EA		7.5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	3,161.49	175.82
<b>22 13 29 16-0018</b>			<b>Submersible Sewage Pumps, Explosion Proof</b> <small>(22 13 29 16)</small>		
			Note: Zoeller 700 series.		
22 13 29 16-0019	EA		1 HP Explosion Proof Sewage Pump, 115 Volt, 1 Phase, 1725 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	3,916.40	218.20
			<i>For Simplex NEMA 4X Control Panel, Add</i>	2,020.90	
			<i>For Duplex NEMA 4X Control Panel, Add</i>	2,730.90	
			<i>For Float Switch, 20' Length, Add</i>	96.26	
			<i>For Float Switch, 30' Length, Add</i>	101.71	
22 13 29 16-0020	EA		1 HP Explosion Proof Sewage Pump, 230 Volt, 1 Phase, 1725 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	3,865.70	218.20
			<i>For Simplex NEMA 4X Control Panel, Add</i>	2,020.90	
			<i>For Duplex NEMA 4X Control Panel, Add</i>	2,730.90	
			<i>For Float Switch, 20' Length, Add</i>	96.26	
			<i>For Float Switch, 30' Length, Add</i>	101.71	
22 13 29 16-0021	EA		1 HP Explosion Proof Sewage Pump, 230 Volt, 3 Phase, 1725 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	3,590.69	218.20
			<i>For Simplex NEMA 4X Control Panel, Add</i>	2,020.90	
			<i>For Duplex NEMA 4X Control Panel, Add</i>	2,730.90	
			<i>For Float Switch, 20' Length, Add</i>	96.26	
			<i>For Float Switch, 30' Length, Add</i>	101.71	
22 13 29 16-0022	EA		1 HP Explosion Proof Sewage Pump, 460 Volt, 3 Phase, 1725 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	3,590.69	218.20
			<i>For Simplex NEMA 4X Control Panel, Add</i>	2,020.90	
			<i>For Duplex NEMA 4X Control Panel, Add</i>	2,730.90	
			<i>For Float Switch, 20' Length, Add</i>	96.26	
			<i>For Float Switch, 30' Length, Add</i>	101.71	
22 13 29 16-0023	EA		1.5 HP Explosion Proof Sewage Pump, 230 Volt, 1 Phase, 1725 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	4,268.40	290.91
			<i>For Simplex NEMA 4X Control Panel, Add</i>	2,064.56	
			<i>For Duplex NEMA 4X Control Panel, Add</i>	2,774.56	
			<i>For Float Switch, 20' Length, Add</i>	118.09	
			<i>For Float Switch, 30' Length, Add</i>	123.54	
22 13 29 16-0024	EA		1.5 HP Explosion Proof Sewage Pump, 230 Volt, 3 Phase, 1725 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	3,411.82	290.91
			<i>For Simplex NEMA 4X Control Panel, Add</i>	2,064.56	
			<i>For Duplex NEMA 4X Control Panel, Add</i>	2,774.56	
			<i>For Float Switch, 20' Length, Add</i>	118.09	
			<i>For Float Switch, 30' Length, Add</i>	123.54	
22 13 29 16-0025	EA		1.5 HP Explosion Proof Sewage Pump, 460 Volt, 3 Phase, 1725 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	3,411.82	290.91
			<i>For Simplex NEMA 4X Control Panel, Add</i>	2,064.56	
			<i>For Duplex NEMA 4X Control Panel, Add</i>	2,774.56	
			<i>For Float Switch, 20' Length, Add</i>	118.09	
			<i>For Float Switch, 30' Length, Add</i>	123.54	
22 13 29 16-0026	EA		2 HP Explosion Proof Sewage Pump, 230 Volt, 1 Phase, 1725 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	4,614.95	363.55
			<i>For Simplex NEMA 4X Control Panel, Add</i>	2,108.13	
			<i>For Duplex NEMA 4X Control Panel, Add</i>	2,818.13	
			<i>For Float Switch, 20' Length, Add</i>	139.88	
			<i>For Float Switch, 30' Length, Add</i>	145.33	
22 13 29 16-0027	EA		2 HP Explosion Proof Sewage Pump, 230 Volt, 3 Phase, 1725 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	3,599.84	363.55
			<i>For Simplex NEMA 4X Control Panel, Add</i>	2,108.13	
			<i>For Duplex NEMA 4X Control Panel, Add</i>	2,818.13	
			<i>For Float Switch, 20' Length, Add</i>	139.88	
			<i>For Float Switch, 30' Length, Add</i>	145.33	
22 13 29 16-0028	EA		2 HP Explosion Proof Sewage Pump, 460 Volt, 3 Phase, 1725 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	3,599.84	363.55
			<i>For Simplex NEMA 4X Control Panel, Add</i>	2,108.13	
			<i>For Duplex NEMA 4X Control Panel, Add</i>	2,818.13	
			<i>For Float Switch, 20' Length, Add</i>	139.88	
			<i>For Float Switch, 30' Length, Add</i>	145.33	
22 13 29 16-0029	EA		3 HP Explosion Proof Sewage Pump, 230 Volt, 1 Phase, 1725 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	4,325.51	436.11
			<i>For Simplex NEMA 4X Control Panel, Add</i>	2,151.68	
			<i>For Duplex NEMA 4X Control Panel, Add</i>	2,861.68	
			<i>For Float Switch, 20' Length, Add</i>	161.65	
			<i>For Float Switch, 30' Length, Add</i>	167.10	
22 13 29 16-0030	EA		3 HP Explosion Proof Sewage Pump, 230 Volt, 3 Phase, 1725 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	3,996.24	436.11
			<i>For Simplex NEMA 4X Control Panel, Add</i>	2,151.68	
			<i>For Duplex NEMA 4X Control Panel, Add</i>	2,861.68	
			<i>For Float Switch, 20' Length, Add</i>	161.65	
			<i>For Float Switch, 30' Length, Add</i>	167.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0031 EA 3 HP Explosion Proof Sewage Pump, 460 Volt, 3 Phase, 1725 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	3,996.24	436.11
For Simplex NEMA 4X Control Panel, Add	2,151.68	
For Duplex NEMA 4X Control Panel, Add	2,861.68	
For Float Switch, 20' Length, Add	161.65	
For Float Switch, 30' Length, Add	167.10	
<b>22 13 29 16-0032 Submersible Sewage Pumps Accessories (22 13 29 16)</b>		
22 13 29 16-0033 EA Simplex Single Phase Plug In Controller With NEMA 4X Enclosure For Non-Automatic Submersible Sewage Pump.....	282.29	55.03
Note: Includes alarm horn, warning light, and single control float switches.		
22 13 29 16-0034 EA Simplex Single Phase Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump.....	683.86	73.38
Note: Includes alarm horn, warning light, HOA switch, and three control float switches.		
22 13 29 16-0035 EA Simplex Three Phase Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump.....	896.64	73.38
Note: Includes alarm horn, warning light, HOA switch, and three control float switches.		
22 13 29 16-0036 EA Duplex Alarm System And Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump.....	997.09	91.72
Note: Includes alarm horn, warning light, HOA switch, and three control float switches.		
22 13 29 16-0037 EA High-water Alarm For Submersible Sewage Pump.....	219.65	36.69
22 13 29 16-0038 EA Float Switch For Submersible Sewage Pump.....	80.76	18.35
22 13 29 16-0039 EA Rail System With 2" Discharge For Submersible Sewage Pump.....	417.94	55.03
<b>22 13 29 33 Sewerage Pump Basins And Pits (22 13 29)</b>		
<b>22 13 29 33-0001 Sewage Sump Pump Basin (22 13 29 33)</b>		
<b>22 13 29 33-0002 High Density Polyethylene (HDPE) Basin (22 13 29 33-0001)</b>		
22 13 29 33-0003 EA 18" Diameter x 24" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	101.59	
22 13 29 33-0004 EA 18" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	132.75	
22 13 29 33-0005 EA 24" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	311.28	
22 13 29 33-0006 EA 24" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	439.76	
22 13 29 33-0007 EA 30" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	568.23	
22 13 29 33-0008 EA 36" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	661.95	
<b>22 13 29 33-0009 Fiberglass Basin (22 13 29 33-0001)</b>		
22 13 29 33-0010 EA 18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub.....	185.80	
22 13 29 33-0011 EA 24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub.....	370.52	
22 13 29 33-0012 EA 30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub.....	660.06	
22 13 29 33-0013 EA 36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub.....	885.81	
22 13 29 33-0014 EA 36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub.....	1,019.76	
22 13 29 33-0015 EA 36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub.....	1,077.09	
22 13 29 33-0016 EA 36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub.....	1,263.97	
22 13 29 33-0017 EA 48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub.....	1,467.15	
<b>22 13 29 36 Explosion Proof Submersible Sewerage Pumps (22 13 29)</b>		
<b>22 13 29 36-0001 Wet Pit Submersible Sewer Pump, Explosion Proof Class 1, Div 1 And 2, 4 Pole, 1,750 RPM (Ebara) (22 13 29 36)</b>		
<b>22 13 29 36-0002 Ebara 3" Model DLFU Wet Pit Submersible Sewage Pump, 2HP - 30HP (22 13 29 36-0001)</b>		
22 13 29 36-0003 EA 2 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU61.5.....	2,986.92	130.38
For 3" x 3" Discharge Elbow, Add	152.15	
For 3" x 4" Discharge Elbow, Add	184.45	
For Guide Rail System, Add	381.65	
For 20' Stainless Steel Chain, Add	284.75	
22 13 29 36-0004 EA 2 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLMFU61.5.....	2,986.92	130.38
For 3" x 3" Discharge Elbow, Add	152.15	
For 3" x 4" Discharge Elbow, Add	184.45	
For Guide Rail System, Add	381.65	
For 20' Stainless Steel Chain, Add	284.75	
22 13 29 36-0005 EA 3 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU62.2.....	3,929.35	156.45
For 4" x 3" Discharge Elbow, Add	184.45	
For 4" x 4" Discharge Elbow, Add	170.00	
For 4" x 6" Discharge Elbow, Add	214.20	
For Guide Rail System, Add	754.80	
For 20' Stainless Steel Chain, Add	423.30	
22 13 29 36-0006 EA 3 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLMFU62.2.....	3,812.24	156.45
For 3" x 3" Discharge Elbow, Add	152.15	
For 3" x 4" Discharge Elbow, Add	184.45	
For Guide Rail System, Add	381.65	
For 20' Stainless Steel Chain, Add	423.30	
22 13 29 36-0007 EA 5 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU63.7.....	4,365.50	208.60
For 4" x 3" Discharge Elbow, Add	184.45	
For 4" x 4" Discharge Elbow, Add	170.00	
For 4" x 6" Discharge Elbow, Add	214.20	
For Guide Rail System, Add	754.80	
For 20' Stainless Steel Chain, Add	423.30	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 36-0008	EA		5 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLMFU63.7	4,484.78	208.60
			<i>For 3" x 3" Discharge Elbow, Add</i>	152.15	
			<i>For 3" x 4" Discharge Elbow, Add</i>	184.45	
			<i>For Guide Rail System, Add</i>	381.65	
			<i>For 20' Stainless Steel Chain, Add</i>	423.30	
22 13 29 36-0009	EA		7.5 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU65.5	6,072.52	260.75
			<i>For 4" x 3" Discharge Elbow, Add</i>	184.45	
			<i>For 4" x 4" Discharge Elbow, Add</i>	170.00	
			<i>For 4" x 6" Discharge Elbow, Add</i>	214.20	
			<i>For Guide Rail System, Add</i>	754.80	
			<i>For 20' Stainless Steel Chain, Add</i>	423.30	
22 13 29 36-0010	EA		7.5 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLMFU65.5	6,126.74	260.75
			<i>For 3" x 3" Discharge Elbow, Add</i>	152.15	
			<i>For 3" x 4" Discharge Elbow, Add</i>	184.45	
			<i>For Guide Rail System, Add</i>	381.65	
			<i>For 20' Stainless Steel Chain, Add</i>	423.30	
22 13 29 36-0011	EA		10 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU67.5	7,073.62	312.90
			<i>For 4" x 3" Discharge Elbow, Add</i>	184.45	
			<i>For 4" x 4" Discharge Elbow, Add</i>	170.00	
			<i>For 4" x 6" Discharge Elbow, Add</i>	214.20	
			<i>For Guide Rail System, Add</i>	754.80	
			<i>For 20' Stainless Steel Chain, Add</i>	423.30	
22 13 29 36-0012	EA		10 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLCMFU67.5	7,041.09	312.90
			<i>For 3" x 3" Discharge Elbow, Add</i>	152.15	
			<i>For 3" x 4" Discharge Elbow, Add</i>	184.45	
			<i>For Guide Rail System, Add</i>	589.90	
			<i>For 20' Stainless Steel Chain, Add</i>	423.30	
22 13 29 36-0013	EA		15 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU611	8,147.38	365.06
			<i>For 4" x 3" Discharge Elbow, Add</i>	184.45	
			<i>For 4" x 4" Discharge Elbow, Add</i>	170.00	
			<i>For 4" x 6" Discharge Elbow, Add</i>	214.20	
			<i>For Guide Rail System, Add</i>	754.80	
			<i>For 20' Stainless Steel Chain, Add</i>	423.30	
22 13 29 36-0014	EA		15 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLCMFU611	8,113.77	365.06
			<i>For 3" x 3" Discharge Elbow, Add</i>	152.15	
			<i>For 3" x 4" Discharge Elbow, Add</i>	184.45	
			<i>For Guide Rail System, Add</i>	589.90	
			<i>For 20' Stainless Steel Chain, Add</i>	423.30	
22 13 29 36-0015	EA		20 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU615	9,314.39	417.21
			<i>For 4" x 3" Discharge Elbow, Add</i>	184.45	
			<i>For 4" x 4" Discharge Elbow, Add</i>	170.00	
			<i>For 4" x 6" Discharge Elbow, Add</i>	214.20	
			<i>For Guide Rail System, Add</i>	754.80	
			<i>For 20' Stainless Steel Chain, Add</i>	423.30	
22 13 29 36-0016	EA		25 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU618	11,533.22	469.35
			<i>For 4" x 3" Discharge Elbow, Add</i>	184.45	
			<i>For 4" x 4" Discharge Elbow, Add</i>	170.00	
			<i>For 4" x 6" Discharge Elbow, Add</i>	214.20	
			<i>For Guide Rail System, Add</i>	754.80	
			<i>For 20' Stainless Steel Chain, Add</i>	423.30	
22 13 29 36-0017	EA		30 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU622	12,841.19	521.50
			<i>For 4" x 3" Discharge Elbow, Add</i>	184.45	
			<i>For 4" x 4" Discharge Elbow, Add</i>	170.00	
			<i>For 4" x 6" Discharge Elbow, Add</i>	214.20	
			<i>For Guide Rail System, Add</i>	754.80	
			<i>For 20' Stainless Steel Chain, Add</i>	423.30	
<b>22 13 29 36-0018</b>			<b>Ebara 4" Model DLFU Wet Pit Submersible Sewage Pump, 2HP - 30HP</b> <small>(22 13 29 36-0001)</small>		
22 13 29 36-0019	EA		2 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU61.5	3,650.54	130.38
			<i>For 3" x 3" Discharge Elbow, Add</i>	152.15	
			<i>For 3" x 4" Discharge Elbow, Add</i>	184.45	
			<i>For Guide Rail System, Add</i>	381.65	
			<i>For 20' Stainless Steel Chain, Add</i>	423.30	
22 13 29 36-0020	EA		3 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU62.2	4,102.84	156.45
			<i>For 3" x 3" Discharge Elbow, Add</i>	152.15	
			<i>For 3" x 4" Discharge Elbow, Add</i>	184.45	
			<i>For Guide Rail System, Add</i>	381.65	
			<i>For 20' Stainless Steel Chain, Add</i>	284.75	
22 13 29 36-0021	EA		3 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU62.2	3,929.35	156.45
			<i>For 4" x 3" Discharge Elbow, Add</i>	184.45	
			<i>For 4" x 4" Discharge Elbow, Add</i>	170.00	
			<i>For 4" x 6" Discharge Elbow, Add</i>	214.20	
			<i>For Guide Rail System, Add</i>	754.80	
			<i>For 20' Stainless Steel Chain, Add</i>	423.30	
22 13 29 36-0022	EA		5 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU63.7	4,597.55	208.60
			<i>For 3" x 3" Discharge Elbow, Add</i>	152.15	
			<i>For 3" x 4" Discharge Elbow, Add</i>	184.45	
			<i>For Guide Rail System, Add</i>	381.65	
			<i>For 20' Stainless Steel Chain, Add</i>	284.75	
22 13 29 36-0023	EA		5 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFMU63.7	4,365.50	208.60
			<i>For 4" x 3" Discharge Elbow, Add</i>	184.45	
			<i>For 4" x 4" Discharge Elbow, Add</i>	170.00	
			<i>For 4" x 6" Discharge Elbow, Add</i>	214.20	
			<i>For Guide Rail System, Add</i>	754.80	
			<i>For 20' Stainless Steel Chain, Add</i>	423.30	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 36-0024	EA		7.5 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU65.5.....	6,941.08	260.75
			For 5" x 4" Discharge Elbow, Add	285.60	
			For 5" x 6" Discharge Elbow, Add	277.95	
			For Guide Rail System, Add	1,064.20	
			For 20' Stainless Steel Chain, Add	423.30	
22 13 29 36-0025	EA		7.5 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU65.5.....	6,072.52	260.75
			For 4" x 3" Discharge Elbow, Add	184.45	
			For 4" x 4" Discharge Elbow, Add	170.00	
			For 4" x 6" Discharge Elbow, Add	214.20	
			For Guide Rail System, Add	754.80	
			For 20' Stainless Steel Chain, Add	423.30	
22 13 29 36-0026	EA		10 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU67.5.....	7,572.42	312.90
			For 5" x 4" Discharge Elbow, Add	285.60	
			For 5" x 6" Discharge Elbow, Add	277.95	
			For Guide Rail System, Add	1,064.20	
			For 20' Stainless Steel Chain, Add	423.30	
22 13 29 36-0027	EA		10 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU67.5.....	7,073.62	312.90
			For 4" x 3" Discharge Elbow, Add	184.45	
			For 4" x 4" Discharge Elbow, Add	170.00	
			For 4" x 6" Discharge Elbow, Add	214.20	
			For Guide Rail System, Add	754.80	
			For 20' Stainless Steel Chain, Add	423.30	
22 13 29 36-0028	EA		15 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU611.....	8,601.72	365.06
			For 5" x 4" Discharge Elbow, Add	285.60	
			For 5" x 6" Discharge Elbow, Add	277.95	
			For Guide Rail System, Add	754.80	
			For 20' Stainless Steel Chain, Add	423.30	
22 13 29 36-0029	EA		15 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU611.....	8,147.38	365.06
			For 4" x 3" Discharge Elbow, Add	184.45	
			For 4" x 4" Discharge Elbow, Add	170.00	
			For 4" x 6" Discharge Elbow, Add	214.20	
			For Guide Rail System, Add	754.80	
			For 20' Stainless Steel Chain, Add	423.30	
22 13 29 36-0030	EA		20 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU615.....	9,801.26	417.21
			For 5" x 4" Discharge Elbow, Add	285.60	
			For 5" x 6" Discharge Elbow, Add	277.95	
			For Guide Rail System, Add	1,064.20	
			For 20' Stainless Steel Chain, Add	423.30	
22 13 29 36-0031	EA		20 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU615.....	9,314.39	417.21
			For 4" x 3" Discharge Elbow, Add	184.45	
			For 4" x 4" Discharge Elbow, Add	170.00	
			For 4" x 6" Discharge Elbow, Add	214.20	
			For Guide Rail System, Add	754.80	
			For 20' Stainless Steel Chain, Add	423.30	
22 13 29 36-0032	EA		25 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU618.....	11,857.44	469.35
			For 5" x 4" Discharge Elbow, Add	285.60	
			For 5" x 6" Discharge Elbow, Add	277.95	
			For Guide Rail System, Add	1,064.20	
			For 20' Stainless Steel Chain, Add	423.30	
22 13 29 36-0033	EA		25 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU618.....	11,533.22	469.35
			For 4" x 3" Discharge Elbow, Add	184.45	
			For 4" x 4" Discharge Elbow, Add	170.00	
			For 4" x 6" Discharge Elbow, Add	214.20	
			For Guide Rail System, Add	754.80	
			For 20' Stainless Steel Chain, Add	423.30	
22 13 29 36-0034	EA		30 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU622.....	13,154.57	521.50
			For 5" x 4" Discharge Elbow, Add	285.60	
			For 5" x 6" Discharge Elbow, Add	277.95	
			For Guide Rail System, Add	1,064.20	
			For 20' Stainless Steel Chain, Add	423.30	
22 13 29 36-0035	EA		30 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU622.....	12,841.19	521.50
			For 4" x 3" Discharge Elbow, Add	184.45	
			For 4" x 4" Discharge Elbow, Add	170.00	
			For 4" x 6" Discharge Elbow, Add	214.20	
			For Guide Rail System, Add	754.80	
			For 20' Stainless Steel Chain, Add	423.30	
22 13 29 36-0036	EA		30 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU630.....	20,072.69	521.50
			For 4" x 3" Discharge Elbow, Add	184.45	
			For 4" x 4" Discharge Elbow, Add	170.00	
			For 4" x 6" Discharge Elbow, Add	214.20	
			For Guide Rail System, Add	754.80	
			For 20' Stainless Steel Chain, Add	423.30	
22 13 29 36-0037	EA		30 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU637.....	25,100.80	521.50
			For 4" x 3" Discharge Elbow, Add	184.45	
			For 4" x 4" Discharge Elbow, Add	170.00	
			For 4" x 6" Discharge Elbow, Add	214.20	
			For Guide Rail System, Add	754.80	
			For 20' Stainless Steel Chain, Add	423.30	
22 13 29 36-0038	EA		30 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU645.....	26,588.52	521.50
			For 4" x 3" Discharge Elbow, Add	184.45	
			For 4" x 4" Discharge Elbow, Add	170.00	
			For 4" x 6" Discharge Elbow, Add	214.20	
			For Guide Rail System, Add	754.80	
			For 20' Stainless Steel Chain, Add	423.30	





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 36-0039			<b>Ebara 6" Model DLFU Wet Pit Submersible Sewage Pump, 10 HP - 60 HP</b> (22 13 29 36-0001)		
22 13 29 36-0040	EA		10 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU67.5.....	7,896.64	312.90
			For 6" x 6" Discharge Elbow, Add	323.85	
			For 6" x 8" Discharge Elbow, Add	471.75	
			For Guide Rail System, Add	1,206.15	
			For 20' Stainless Steel Chain, Add	423.30	
22 13 29 36-0041	EA		15 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU611.....	8,930.28	365.06
			For 6" x 6" Discharge Elbow, Add	323.85	
			For 6" x 8" Discharge Elbow, Add	471.75	
			For Guide Rail System, Add	1,206.15	
			For 20' Stainless Steel Chain, Add	423.30	
22 13 29 36-0042	EA		20 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU615.....	10,098.38	417.21
			For 6" x 6" Discharge Elbow, Add	323.85	
			For 6" x 8" Discharge Elbow, Add	471.75	
			For Guide Rail System, Add	1,206.15	
			For 20' Stainless Steel Chain, Add	423.30	
22 13 29 36-0043	EA		25 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU618.....	11,707.80	469.35
			For 6" x 6" Discharge Elbow, Add	323.85	
			For 6" x 8" Discharge Elbow, Add	471.75	
			For Guide Rail System, Add	1,206.15	
			For 20' Stainless Steel Chain, Add	423.30	
22 13 29 36-0044	EA		30 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU622.....	13,758.55	521.50
			For 6" x 6" Discharge Elbow, Add	323.85	
			For 6" x 8" Discharge Elbow, Add	471.75	
			For Guide Rail System, Add	1,206.15	
			For 20' Stainless Steel Chain, Add	423.30	
22 13 29 36-0045	EA		40 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU630.....	20,669.34	573.66
			For Guide Rail System, Add	2,537.25	
			For 20' Stainless Steel Chain, Add	423.30	
22 13 29 36-0046	EA		50 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU637.....	25,484.08	625.81
			For Guide Rail System, Add	2,537.25	
			For 20' Stainless Steel Chain, Add	423.30	
22 13 29 36-0047	EA		60 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU645.....	27,104.35	677.96
			For Guide Rail System, Add	2,537.25	
			For 20' Stainless Steel Chain, Add	423.30	
22 13 29 36-0048			<b>Ebara 8" Model DLFU Wet Pit Submersible Sewage Pump, 10 HP - 60 HP</b> (22 13 29 36-0001)		
22 13 29 36-0049	EA		10 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU675.....	8,390.01	312.90
			For 6" x 6" Discharge Elbow, Add	323.85	
			For 6" x 8" Discharge Elbow, Add	471.75	
			For Guide Rail System, Add	1,206.15	
			For 20' Stainless Steel Chain, Add	423.30	
22 13 29 36-0050	EA		15 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU611.....	9,011.60	365.06
			For 6" x 6" Discharge Elbow, Add	323.85	
			For 6" x 8" Discharge Elbow, Add	471.75	
			For Guide Rail System, Add	1,206.15	
			For 20' Stainless Steel Chain, Add	423.30	
22 13 29 36-0051	EA		20 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU61.....	10,108.13	417.21
			For 6" x 6" Discharge Elbow, Add	323.85	
			For 6" x 8" Discharge Elbow, Add	471.75	
			For Guide Rail System, Add	1,206.15	
			For 20' Stainless Steel Chain, Add	423.30	
22 13 29 36-0052	EA		25 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU618.....	11,707.80	469.35
			For 6" x 6" Discharge Elbow, Add	323.85	
			For 6" x 8" Discharge Elbow, Add	471.75	
			For Guide Rail System, Add	1,206.15	
			For 20' Stainless Steel Chain, Add	423.30	
22 13 29 36-0053	EA		30 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU622.....	13,758.55	521.50
			For 6" x 6" Discharge Elbow, Add	323.85	
			For 6" x 8" Discharge Elbow, Add	471.75	
			For Guide Rail System, Add	1,206.15	
			For 20' Stainless Steel Chain, Add	423.30	
22 13 29 36-0054	EA		40 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU630.....	20,326.68	573.66
			For Guide Rail System, Add	4,195.60	
			For 20' Stainless Steel Chain, Add	423.30	
22 13 29 36-0055	EA		50 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU637.....	25,646.73	625.81
			For Guide Rail System, Add	4,195.60	
			For 20' Stainless Steel Chain, Add	423.30	
22 13 29 36-0056	EA		60 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU645.....	27,274.59	677.96
			For Guide Rail System, Add	4,195.60	
			For 20' Stainless Steel Chain, Add	423.30	
22 13 29 36-0057			<b>Ebara 10" Model DLFU Wet Pit Submersible Sewage Pump, 15 HP - 60 HP</b> (22 13 29 36-0001)		
22 13 29 36-0058	EA		15 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU611.....	10,431.01	365.06
			For Guide Rail System, Add	3,562.35	
			For 20' Stainless Steel Chain, Add	423.30	
22 13 29 36-0059	EA		20 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU615.....	11,386.58	417.21
			For Guide Rail System, Add	3,562.35	
			For 20' Stainless Steel Chain, Add	423.30	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 36-0060	EA		20 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFCU615 ..... <i>For Guide Rail System, Add</i> <i>For 20' Stainless Steel Chain, Add</i>	12,145.62 3,562.35 423.30	417.21
22 13 29 36-0061	EA		25 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU618..... <i>For Guide Rail System, Add</i> <i>For 20' Stainless Steel Chain, Add</i>	13,853.72 3,562.35 423.30	469.35
22 13 29 36-0062	EA		30 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU622..... <i>For Guide Rail System, Add</i> <i>For 20' Stainless Steel Chain, Add</i>	15,038.07 3,562.35 423.30	521.50
22 13 29 36-0063	EA		40 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU630..... <i>For Guide Rail System, Add</i> <i>For 20' Stainless Steel Chain, Add</i>	21,791.63 3,562.35 423.30	573.66
22 13 29 36-0064	EA		50 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU637..... <i>For Guide Rail System, Add</i> <i>For 20' Stainless Steel Chain, Add</i>	27,352.40 3,562.35 423.30	625.81
22 13 29 36-0065	EA		60 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU645..... <i>For Guide Rail System, Add</i> <i>For 20' Stainless Steel Chain, Add</i>	28,981.35 3,562.35 423.30	677.96
<b>22 13 29 36-0066</b>			<b>Ebara 12" Model DLFU Wet Pit Submersible Sewage Pump, 25HP - 60HP</b> <small>(22 13 29 36-0001)</small>		
22 13 29 36-0067	EA		25 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, 40 Ft Cable, Ebara 300DLFU618..... <i>For Guide Rail System, Add</i> <i>For 20' Stainless Steel Chain, Add</i>	14,521.68 3,562.35 423.30	469.35
22 13 29 36-0068	EA		30 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, 40 Ft Cable, Ebara 300DLFU622..... <i>For Guide Rail System, Add</i> <i>For 20' Stainless Steel Chain, Add</i>	15,681.09 3,562.35 423.30	521.50
22 13 29 36-0069	EA		40 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, 40 Ft Cable, Ebara 300DLFU630..... <i>For Guide Rail System, Add</i> <i>For 20' Stainless Steel Chain, Add</i>	22,473.69 3,562.35 423.30	573.66
22 13 29 36-0070	EA		50 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, 40 Ft Cable, Ebara 300DLFU637..... <i>For Guide Rail System, Add</i> <i>For 20' Stainless Steel Chain, Add</i>	27,980.24 3,562.35 423.30	625.81
22 13 29 36-0071	EA		60 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, 40 Ft Cable, Ebara 300DLFU645..... <i>For Guide Rail System, Add</i> <i>For 20' Stainless Steel Chain, Add</i>	29,600.51 3,562.35 423.30	677.96
<b>22 13 29 36-0072</b>			<b>Wet Pit Submersible Sewer Pump, Explosion Proof Class 1, Div 1 And 2, 4 And 6 Pole, 1,750 And 1,180 RPM (Ebara)</b> <small>(22 13 29 36)</small>		
<b>22 13 29 36-0073</b>			<b>Ebara 6", 8", 10", 12" Model DSC Submersible Sewage Pumps, 75 HP - 245 HP</b> <small>(22 13 29 36-0072)</small>		
22 13 29 36-0074	EA		75 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, Ebara DSC G0852 ..... <i>For Guide Rail System, Add</i> <i>For 20' Stainless Steel Chain, Add</i>	87,598.04 4,420.00 423.30	730.10
22 13 29 36-0075	EA		75 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC E1052..... <i>For Guide Rail System, Add</i> <i>For 20' Stainless Steel Chain, Add</i>	95,892.20 4,420.00 423.30	730.10
22 13 29 36-0076	EA		100 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, Ebara DSC G0932 ..... <i>For Guide Rail System, Add</i> <i>For 20' Stainless Steel Chain, Add</i>	98,745.49 4,420.00 423.30	808.33
22 13 29 36-0077	EA		100 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC E1052..... <i>For Guide Rail System, Add</i> <i>For 20' Stainless Steel Chain, Add</i>	101,075.75 4,420.00 590.75	808.33
22 13 29 36-0078	EA		100 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, Ebara DSC C1203 ..... <i>For Guide Rail System, Add</i> <i>For 20' Stainless Steel Chain, Add</i>	88,889.88 5,695.00 590.75	808.33
22 13 29 36-0079	EA		120 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, Ebara DSC G1012 ..... <i>For Guide Rail System, Add</i> <i>For 20' Stainless Steel Chain, Add</i>	115,226.83 5,270.00 590.75	886.56
22 13 29 36-0080	EA		120 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC E1152..... <i>For Guide Rail System, Add</i> <i>For 20' Stainless Steel Chain, Add</i>	102,838.18 5,270.00 590.75	886.56
22 13 29 36-0081	EA		145 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, Ebara DSC G1012 ..... <i>For Guide Rail System, Add</i> <i>For 20' Stainless Steel Chain, Add</i>	102,774.72 6,375.00 590.75	990.85
22 13 29 36-0082	EA		145 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC F1102..... <i>For Guide Rail System, Add</i> <i>For 20' Stainless Steel Chain, Add</i>	122,291.84 6,375.00 590.75	990.85
22 13 29 36-0083	EA		200 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC F1102..... <i>For Guide Rail System, Add</i> <i>For 20' Stainless Steel Chain, Add</i>	139,256.94 6,970.00 845.75	1,095.16
22 13 29 36-0084	EA		200 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, Ebara DSC G1102 ..... <i>For Guide Rail System, Add</i> <i>For 20' Stainless Steel Chain, Add</i>	139,256.94 6,970.00 845.75	1,095.16
22 13 29 36-0085	EA		245 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC G1102 ..... <i>For Guide Rail System, Add</i> <i>For 20' Stainless Steel Chain, Add</i>	144,234.59 9,180.00 845.75	1,199.46
22 13 29 36-0086	EA		245 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, Ebara DSC E1262..... <i>For Guide Rail System, Add</i> <i>For 20' Stainless Steel Chain, Add</i>	146,294.84 9,180.00 845.75	1,199.46



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 13 29 36-0087		Dry Pit Submersible Sewer Pump, Explosion Proof Class 1, Div 1 And 2, 4 Pole, 1,750 RPM (Ebara) <small>(22 13 29 36)</small>		
22 13 29 36-0088		Ebara Model DLFU Dry Pit Submersible Sewage Pump, 15 HP - 60 HP <small>(22 13 29 36-0087)</small>		
22 13 29 36-0089	EA	3" x 4" 15 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 100x80DDLFU611	13,257.90	365.06
22 13 29 36-0090	EA	3" x 4" 20 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 100x80DDLFU615	14,884.67	417.21
22 13 29 36-0091	EA	3" x 4" 25 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 100x80DDLFU618	16,266.39	469.35
22 13 29 36-0092	EA	3" x 4" 30 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 100x80DDLFU622	17,260.98	521.50
22 13 29 36-0093	EA	4" x 6" 15 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU611	13,720.91	365.06
22 13 29 36-0094	EA	4" x 6" 20 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU615	14,950.82	417.21
22 13 29 36-0095	EA	4" x 6" 25 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU618	16,728.32	469.35
22 13 29 36-0096	EA	4" x 6" 30 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU622	17,967.97	521.50
22 13 29 36-0097	EA	4" x 6" 40 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU61130	25,547.80	573.66
22 13 29 36-0098	EA	4" x 6" 50 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU637	30,038.33	625.81
22 13 29 36-0099	EA	4" x 6" 60 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU645	31,184.74	677.96
22 13 29 36-0100	EA	8" x 10" 15 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU611	14,186.10	365.06
22 13 29 36-0101	EA	8" x 10" 20 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU615	15,231.66	417.21
22 13 29 36-0102	EA	8" x 10" 25 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU618	16,849.77	469.35
22 13 29 36-0103	EA	8" x 10" 30 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU622	18,401.71	521.50
22 13 29 36-0104	EA	8" x 10" 40 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU630	26,335.04	573.66
22 13 29 36-0105	EA	8" x 10" 50 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU637	32,654.85	625.81
22 13 29 36-0106	EA	8" x 10" 60 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU645	32,951.13	677.96
22 13 29 36-0107	EA	8" X 8" 30 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x200DDLFU630	27,374.67	521.50
22 13 29 36-0108	EA	8" X 8" 50 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x200DDLFU637	32,755.69	625.81
22 13 29 36-0109	EA	8" X 8" 60 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x200DDLFU645	33,210.29	677.96
22 13 29 36-0110	EA	10" x 10" 40 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 250x250DDLFU630	32,625.32	573.66
22 13 29 36-0111	EA	10" x 10" 50 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 250x250DDLFU637	32,755.69	625.81
22 13 29 36-0112	EA	10" x 10" 60 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 250x250DDLFU645	33,231.98	677.96
22 13 29 36-0113	EA	12" X 12" 40 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 300x300DDLFU630	27,934.45	573.66
22 13 29 36-0114	EA	12" X 12" 50 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 300x300DDLFU637	32,920.51	625.81
22 13 29 36-0115	EA	12" X 12" 60 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 300x300DDLFU645	33,295.96	677.96
22 13 29 36-0116		Dry Pit Submersible Sewer Pump, Explosion Proof Class 1, Div 1 And 2, 4 And 6 Pole, 1,750 And 1,180 RPM (Ebara) <small>(22 13 29 36)</small>		
22 13 29 36-0117		Ebara Model DSC Dry Pit Submersible Sewage Pump, 75 HP - 245 HP <small>(22 13 29 36-0116)</small>		
22 13 29 36-0118	EA	10" x 6" 75 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G0852	89,679.92	730.10
22 13 29 36-0119	EA	10" x 8" 75 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC E1052	97,989.65	730.10
22 13 29 36-0120	EA	10" x 6" 100 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G0932	101,340.72	808.33
22 13 29 36-0121	EA	10" x 8" 100 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC E1052	103,403.03	808.33
22 13 29 36-0122	EA	16" x 12" 100 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC C1203	90,069.31	808.33
22 13 29 36-0123	EA	10" x 6" 120 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G1012	118,090.62	886.56
22 13 29 36-0124	EA	10" x 8" 120 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC E1152	103,598.59	886.56
22 13 29 36-0125	EA	10" x 6" 145 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G1012	103,859.34	990.85
22 13 29 36-0126	EA	10" x 8" 145 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC F1102	123,181.54	990.85
22 13 29 36-0127	EA	12" x 8" 200 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC F1102	146,952.70	1,095.16
22 13 29 36-0128	EA	14" x 10" 200 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G1102	143,538.25	1,056.04
22 13 29 36-0129	EA	12" x 8" 245 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G1102	146,633.51	1,199.46
22 13 29 36-0130	EA	14" x 10" 245 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC E1262	146,633.51	1,199.46
22 13 36		<b>Packaged, Wastewater Pump Units</b> <small>(22 13)</small>		
22 13 36 00-0001		Dri-Prime Pumps With Diesel Engine; Godwin Pumps, CD Series With PrimeGuard <small>(22 13 36)</small>		
22 13 36 00-0002	EA	4" Trailer Mounted Trash Pump; Godwin Pumps CD100M	33,556.46	
22 13 36 00-0003	EA	4" Skid Mounted Trash Pump; Godwin Pumps CD100M	32,370.06	
22 13 36 00-0004	EA	6" Trailer Mounted Trash Pump; Godwin Pumps CD150M	43,417.63	
22 13 36 00-0005	EA	6" Skid Mounted Trash Pump; Godwin Pumps CD150M	41,861.27	
22 13 36 00-0006	EA	8" Trailer Mounted Trash Pump; Godwin Pumps CD225M	61,475.16	
22 13 36 00-0007	EA	8" Skid Mounted Trash Pump; Godwin Pumps CD225M	59,025.81	
22 13 36 00-0008		Dri-Prime Pumps Critically Silenced With Diesel Engine; Godwin Pumps, CD Series With PrimeGuard <small>(22 13 36)</small>		
22 13 36 00-0009	EA	4" Critically Silenced Trailer Mounted Trash Pump; Godwin Pumps CD100M	50,931.50	
22 13 36 00-0010	EA	4" Critically Silenced Skid Mounted Trash Pump; Godwin Pumps CD100M	46,128.49	
22 13 36 00-0011	EA	6" Critically Silenced Trailer Mounted Trash Pump; Godwin Pumps CD150M	61,111.58	
22 13 36 00-0012	EA	6" Critically Silenced Skid Mounted Trash Pump; Godwin Pumps CD150M	56,346.84	
22 13 36 00-0013	EA	8" Critically Silenced Trailer Mounted Trash Pump; Godwin Pumps CD225M	77,344.87	
22 13 36 00-0014	EA	8" Critically Silenced Skid Mounted Trash Pump; Godwin Pumps CD225M	70,615.55	
22 13 36 00-0015		Heidra Hydraulic Submersible Pumps With Diesel Engine; Godwin Pumps, HS Series With PrimeGuard <small>(22 13 36)</small>		
22 13 36 00-0016	EA	4" Trailer Mounted Hydraulic Submersible Pump; Godwin Pumps HS100MR	35,141.10	
		Note: Units include pump, pumpend, and hoses.		
		Note: Includes pump, pumpend, two 3/4" x 50' hoses and one 1/2" x 50' hose.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 36 00-0017 EA 4" Skid Mounted Hydraulic Submersible Pump; Godwin Pumps HS100MR ..... Note: Includes pump, pumpend, two 3/4" x 50' hoses and one 1/2" x 50' hose.	34,114.17	
22 13 36 00-0018 EA 6" Trailer Mounted Hydraulic Submersible Pump; Godwin Pumps HS150MR ..... Note: Includes pump, pumpend, two 1" x 50' hoses and one 1/2" x 50' hose.	47,470.74	
22 13 36 00-0019 EA 6" Skid Mounted Hydraulic Submersible Pump; Godwin Pumps HS150MR ..... Note: Includes pump, pumpend, two 1" x 50' hoses and one 1/2" x 50' hose.	45,914.39	
22 13 36 00-0020 EA 8" Trailer Mounted Hydraulic Submersible Pump; Godwin Pumps HS200MR ..... Note: Includes pump, pumpend, two 1-1/4" x 50' hoses and one 1/2" x 50' hose.	87,872.16	
22 13 36 00-0021 EA 8" Skid Mounted Hydraulic Submersible Pump; Godwin Pumps HS200MR ..... Note: Includes pump, pumpend, two 1-1/4" x 50' hoses and one 1/2" x 50' hose.	82,775.74	
<b>22 13 36 00-0022</b> <b>Heidra Hydraulic Submersible Pumps Critically Silenced With Diesel Engine; Godwin Pumps, HS Series With PrimeGuard</b> <small>(22 13 36)</small> Note: Units include pump, pumpend, and hoses.		
22 13 36 00-0023 EA 4" Trailer Mounted Hydraulic Submersible Pump Critically Silenced; Godwin Pumps HS100MR ..... Note: Includes pump, pumpend, two 3/4" x 50' hoses and one 1/2" x 50' hose.	55,641.60	
22 13 36 00-0024 EA 4" Skid Mounted Hydraulic Submersible Pump Critically Silenced; Godwin Pumps HS100MR ..... Note: Includes pump, pumpend, two 3/4" x 50' hoses and one 1/2" x 50' hose.	51,183.03	
22 13 36 00-0025 EA 6" Trailer Mounted Hydraulic Submersible Pump Critically Silenced; Godwin Pumps HS150MR ..... Note: Includes pump, pumpend, two 1" x 50' hoses and one 1/2" x 50' hose.	69,916.69	
22 13 36 00-0026 EA 6" Skid Mounted Hydraulic Submersible Pump Critically Silenced; Godwin Pumps HS150MR ..... Note: Includes pump, pumpend, two 1" x 50' hoses and one 1/2" x 50' hose.	63,187.37	
22 13 36 00-0027 EA 8" Trailer Mounted Hydraulic Submersible Pump Critically Silenced; Godwin Pumps HS200MR ..... Note: Includes pump, pumpend, two 1-1/4" x 50' hoses and one 1/2" x 50' hose.	109,877.99	
22 13 36 00-0028 EA 8" Skid Mounted Hydraulic Submersible Pump Critically Silenced; Godwin Pumps HS200MR ..... Note: Includes pump, pumpend, two 1-1/4" x 50' hoses and one 1/2" x 50' hose.	101,490.26	
<b>22 13 36 00-0029</b> <b>Auto Start Controls Accessories</b> <small>(22 13 36)</small>		
22 13 36 00-0030 EA Two Float Assembly for Godwin PrimeGuard Controller .....	455.42	
22 13 36 00-0031 EA Level Transducer for Godwin PrimeGuard Controller .....	2,286.05	
22 13 36 00-0032 EA Pressure Transducer for Godwin PrimeGuard Controller .....	797.31	
22 13 36 00-0033 EA 3016D/4045D Auto Throttle for Godwin PrimeGuard Controller .....	1,333.11	

## 22 14 Facility Storm Drainage (22 10)

**22 14 13 Facility Storm Drainage Piping** (22 14)  
See CSI section 22 13 16 00-0000 for storm drainage piping.

**22 14 26 Facility Storm Drains** (22 14)

**22 14 26 13 Roof Drains** (22 14 26)

22 14 26 13-0001 Cast Iron Roof Drains (22 14 26 13)

22 14 26 13-0002 Cast Iron Roof Drains With Large Polypropylene Dome (22 14 26 13-0001)

22 14 26 13-0003 EA 15" Diameter Cast Iron Roof Drain With 2" Outlet, 124 Square Inch Free Area Polypropylene Dome ..... <i>For Galvanized Iron Parts, Add</i> 518.00 <i>For Deck Clamp Assembly, Add</i> 130.00 <i>For Bronze Dome, Add</i> 448.80 <i>For Drain Receiver, Add</i> 147.00 <i>For 4" Fixed Extension Collar, Cast Iron, Add</i> 357.00	619.22	108.67
22 14 26 13-0004 EA 15" Diameter Cast Iron Roof Drain With 3" Outlet, 124 Square Inch Free Area Polypropylene Dome ..... <i>For Galvanized Iron Parts, Add</i> 518.00 <i>For Deck Clamp Assembly, Add</i> 130.00 <i>For Bronze Dome, Add</i> 448.80 <i>For Drain Receiver, Add</i> 147.00 <i>For 4" Fixed Extension Collar, Cast Iron, Add</i> 357.00	673.55	130.38
22 14 26 13-0005 EA 15" Diameter Cast Iron Roof Drain With 4" Outlet, 124 Square Inch Free Area Polypropylene Dome ..... <i>For Galvanized Iron Parts, Add</i> 518.00 <i>For Deck Clamp Assembly, Add</i> 130.00 <i>For Bronze Dome, Add</i> 448.80 <i>For Drain Receiver, Add</i> 147.00 <i>For 4" Fixed Extension Collar, Cast Iron, Add</i> 357.00	727.87	162.97
22 14 26 13-0006 EA 15" Diameter Cast Iron Roof Drain With 5" Outlet, 124 Square Inch Free Area Polypropylene Dome ..... <i>For Galvanized Iron Parts, Add</i> 518.00 <i>For Deck Clamp Assembly, Add</i> 130.00 <i>For Bronze Dome, Add</i> 448.80 <i>For Drain Receiver, Add</i> 147.00 <i>For 4" Fixed Extension Collar, Cast Iron, Add</i> 357.00	982.01	195.56
22 14 26 13-0007 EA 15" Diameter Cast Iron Roof Drain With 6" Outlet, 124 Square Inch Free Area Polypropylene Dome ..... <i>For Galvanized Iron Parts, Add</i> 518.00 <i>For Deck Clamp Assembly, Add</i> 130.00 <i>For Bronze Dome, Add</i> 448.80 <i>For Drain Receiver, Add</i> 147.00 <i>For 4" Fixed Extension Collar, Cast Iron, Add</i> 357.00	1,009.16	217.27
22 14 26 13-0008 EA 15" Diameter Cast Iron Roof Drain With 8" Outlet, 124 Square Inch Free Area Polypropylene Dome ..... <i>For Galvanized Iron Parts, Add</i> 518.00 <i>For Deck Clamp Assembly, Add</i> 130.00 <i>For Bronze Dome, Add</i> 448.80 <i>For Drain Receiver, Add</i> 147.00 <i>For 4" Fixed Extension Collar, Cast Iron, Add</i> 357.00	1,202.22	228.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0009 EA 15" Diameter Cast Iron Roof Drain With 10" Outlet, 124 Square Inch Free Area Polypropylene Dome .....	1,649.43	236.31
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Bronze Dome, Add	448.80	
For Drain Receiver, Add	147.00	
For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
<b>22 14 26 13-0010 Cast Iron Roof Drains With Expansion Joint</b> <small>(22 14 26 13-0001)</small>		
Note: With polypropylene dome. Dome free area is 124 square inches.		
22 14 26 13-0011 EA 15" Diameter Cast Iron Roof Drain With Expansion Joint, 2" Outlet, Polypropylene Dome .....	994.85	108.67
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0012 EA 15" Diameter Cast Iron Roof Drain With Expansion Joint, 3" Outlet, Polypropylene Dome .....	1,075.42	130.38
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0013 EA 15" Diameter Cast Iron Roof Drain With Expansion Joint, 4" Outlet, Polypropylene Dome .....	1,180.84	162.97
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0014 EA 15" Diameter Cast Iron Roof Drain With Expansion Joint, 5" Outlet, Polypropylene Dome .....	1,640.75	195.56
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0015 EA 15" Diameter Cast Iron Roof Drain With Expansion Joint, 6" Outlet, Polypropylene Dome .....	1,763.19	217.27
For Galvanized Iron Parts, Add	518.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
<b>22 14 26 13-0016 Cast Iron Roof Drains With Flat Bronze Promenade Top</b> <small>(22 14 26 13-0001)</small>		
22 14 26 13-0017 EA 14" x 14" Cast Iron Roof Drain With 2" Outlet, Bronze Promenade Top .....	1,365.07	108.67
For Galvanized Iron Parts, Add	480.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0018 EA 14" x 14" Cast Iron Roof Drain With 3" Outlet, Bronze Promenade Top .....	1,419.40	130.38
For Galvanized Iron Parts, Add	480.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0019 EA 14" x 14" Cast Iron Roof Drain With 4" Outlet, Bronze Promenade Top .....	1,473.72	162.97
For Galvanized Iron Parts, Add	480.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0020 EA 14" x 14" Cast Iron Roof Drain With 5" Outlet, Bronze Promenade Top .....	1,716.81	195.56
For Galvanized Iron Parts, Add	480.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
22 14 26 13-0021 EA 14" x 14" Cast Iron Roof Drain With 6" Outlet, Bronze Promenade Top .....	1,743.96	217.27
For Galvanized Iron Parts, Add	480.00	
For Deck Clamp Assembly, Add	130.00	
For Drain Receiver, Add	147.00	
For 4" Fixed Extension Collar, Cast Iron, Add	357.00	
<b>22 14 26 13-0022 Cast Iron Scupper Drain With L-Shaped Bronze Grate</b> <small>(22 14 26 13-0001)</small>		
22 14 26 13-0023 EA Cast Iron Scupper Drain With 2" Outlet, L-Shaped Bronze Grate .....	890.78	43.48
For Galvanized Iron Parts, Add	128.00	
For Vandal Proof Grate, Add	33.00	
22 14 26 13-0024 EA Cast Iron Scupper Drain With 3" Outlet, L-Shaped Bronze Grate .....	912.51	54.30
For Galvanized Iron Parts, Add	128.00	
For Vandal Proof Grate, Add	33.00	
22 14 26 13-0025 EA Cast Iron Scupper Drain With 4" Outlet, L-Shaped Bronze Grate .....	922.38	59.25
For Galvanized Iron Parts, Add	128.00	
For Vandal Proof Grate, Add	33.00	
22 14 26 13-0026 EA Cast Iron Scupper Drain With 5" Outlet, L-Shaped Bronze Grate .....	1,299.33	78.55
For Galvanized Iron Parts, Add	258.00	
For Vandal Proof Grate, Add	33.00	
22 14 26 13-0027 EA Cast Iron Scupper Drain With 6" Outlet, L-Shaped Bronze Grate .....	1,333.98	95.89
For Galvanized Iron Parts, Add	258.00	
For Vandal Proof Grate, Add	33.00	
<b>22 14 26 13-0028 Cast Iron Roof Drain With Flat Cast Iron Grate</b> <small>(22 14 26 13-0001)</small>		



<b>Plumbing</b>	<b>22</b>	<b>22</b>
<b>Plumbing Piping</b>	<b>22 10</b>	
<b>Facility Storm Drainage</b>	<b>22 14</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0029	EA		9" x 9" Cast Iron Roof Drain With 2" Outlet, Cast Iron Promenade Top.....	682.75	108.67
			<i>For Galvanized Cast Iron Parts, Add</i>	144.00	
			<i>For Deck Clamp Assembly, Add</i>	80.40	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	93.60	
22 14 26 13-0030	EA		9" x 9" Cast Iron Roof Drain With 3" Outlet, Cast Iron Promenade Top.....	737.08	130.38
			<i>For Galvanized Cast Iron Parts, Add</i>	144.00	
			<i>For Deck Clamp Assembly, Add</i>	80.40	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	93.60	
22 14 26 13-0031	EA		9" x 9" Cast Iron Roof Drain With 4" Outlet, Cast Iron Promenade Top.....	791.40	162.97
			<i>For Galvanized Cast Iron Parts, Add</i>	144.00	
			<i>For Deck Clamp Assembly, Add</i>	80.40	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	93.60	
<b>22 14 26 13-0032</b>			<b>Cast Iron Roof Drains With Large Cast Iron Dome</b> (22 14 26 13-0001)		
22 14 26 13-0033	EA		15" Diameter Cast Iron Roof Drain With 2" Outlet, Cast Iron Dome .....	738.00	108.67
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0034	EA		15" Diameter Cast Iron Roof Drain With 3" Outlet, Cast Iron Dome .....	792.33	130.38
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0035	EA		15" Diameter Cast Iron Roof Drain With 4" Outlet, Cast Iron Dome .....	846.65	162.97
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0036	EA		15" Diameter Cast Iron Roof Drain With 5" Outlet, Cast Iron Dome .....	1,100.79	195.56
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0037	EA		15" Diameter Cast Iron Roof Drain With 6" Outlet, Cast Iron Dome .....	1,127.94	217.27
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0038	EA		15" Diameter Cast Iron Roof Drain With 8" Outlet, Cast Iron Dome .....	1,321.00	228.16
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0039	EA		15" Diameter Cast Iron Roof Drain With 10" Outlet, Cast Iron Dome .....	1,768.22	236.31
			<i>For Galvanized Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
<b>22 14 26 13-0040</b>			<b>Aluminum Roof Drains</b> (22 14 26 13)		
<b>22 14 26 13-0041</b>			<b>Aluminum Dome Roof Drains</b> (22 14 26 13-0040)		
22 14 26 13-0042	EA		15" Diameter Roof Drain With 2" Outlet, Aluminum Dome.....	758.72	108.67
			<i>For Galvanized Cast Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0043	EA		15" Diameter Roof Drain With 3" Outlet, Aluminum Dome.....	813.05	130.38
			<i>For Galvanized Cast Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0044	EA		15" Diameter Roof Drain With 4" Outlet, Aluminum Dome.....	867.37	162.97
			<i>For Galvanized Cast Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0045	EA		15" Diameter Roof Drain With 6" Outlet, Aluminum Dome.....	1,148.66	217.08
			<i>For Galvanized Cast Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0046	EA		15" Diameter Roof Drain With 8" Outlet, Aluminum Dome.....	1,341.84	228.16
			<i>For Galvanized Cast Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	
22 14 26 13-0047	EA		15" Diameter Roof Drain With 10" Outlet, Aluminum Dome.....	1,788.93	236.31
			<i>For Galvanized Cast Iron Parts, Add</i>	518.00	
			<i>For Deck Clamp Assembly, Add</i>	130.00	
			<i>For Drain Receiver, Add</i>	147.00	
			<i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	357.00	

<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 14</b>	<b>Facility Storm Drainage</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0048			Retrofit Roof Drains <small>(22 14 26 13)</small>		
22 14 26 13-0049			Copolymer Retrofit Roof Drains With Copolymer Strainer Dome <small>(22 14 26 13-0048)</small>		
22 14 26 13-0050	EA		Copolymer Retrofit 3" Roof Drains, With Copolymer Dome .....	490.59	130.38
22 14 26 13-0051	EA		Copolymer Retrofit 4" Roof Drains, With Copolymer Dome .....	553.33	162.97
22 14 26 13-0052	EA		Copolymer Retrofit 5" Roof Drains, With Copolymer Dome .....	668.51	195.56
22 14 26 13-0053	EA		Copolymer Retrofit 6" Roof Drains, With Copolymer Dome .....	729.35	217.08
22 14 26 13-0054			Copolymer Retrofit Roof Drains With Cast Aluminum Strainer Dome <small>(22 14 26 13-0048)</small>		
22 14 26 13-0055	EA		Copolymer Retrofit Drain, 3", With Cast Aluminum Dome .....	566.39	130.38
22 14 26 13-0056	EA		Copolymer Retrofit Drain, 4", With Cast Aluminum Dome .....	625.76	162.97
22 14 26 13-0057	EA		Copolymer Retrofit Drain, 5", With Cast Aluminum Dome .....	745.99	195.56
22 14 26 13-0058	EA		Copolymer Retrofit Drain, 6", With Cast Aluminum Dome .....	783.25	217.08
22 14 26 13-0059			Aluminum Retrofit Roof Drains With Cast Aluminum Strainer Dome <small>(22 14 26 13-0048)</small>		
22 14 26 13-0060	EA		Aluminum Retrofit 3" Roof Drains, With Cast Aluminum Dome .....	493.96	130.38
			<i>For Copolymer Strainer Dome, Deduct</i> .....	-24.00	
22 14 26 13-0061	EA		Aluminum Retrofit 4" Roof Drains, With Cast Aluminum Dome .....	556.70	162.97
			<i>For Copolymer Strainer Dome, Deduct</i> .....	-24.00	
22 14 26 13-0062	EA		Aluminum Retrofit 5" Roof Drains, With Cast Aluminum Dome .....	671.88	195.56
			<i>For Copolymer Strainer Dome, Deduct</i> .....	-24.00	
22 14 26 13-0063	EA		Aluminum Retrofit 6" Roof Drains, With Cast Aluminum Dome .....	705.77	217.08
			<i>For Copolymer Strainer Dome, Deduct</i> .....	-24.00	
22 14 26 13-0064			Bronze Downspout Nozzles <small>(22 14 26 13)</small>		
22 14 26 13-0065	EA		2" Outlet, Bronze Roof Drain Downspout Nozzle .....	295.15	65.19
22 14 26 13-0066	EA		3" Outlet, Bronze Roof Drain Downspout Nozzle .....	295.15	65.19
22 14 26 13-0067	EA		4" Outlet, Bronze Roof Drain Downspout Nozzle .....	295.15	65.19
22 14 26 13-0068	EA		5" Outlet, Bronze Roof Drain Downspout Nozzle .....	459.62	81.49
22 14 26 13-0069	EA		6" Outlet, Bronze Roof Drain Downspout Nozzle .....	459.62	81.49
22 14 26 13-0070	EA		8" Outlet, Bronze Roof Drain Downspout Nozzle .....	597.73	81.49
<b>22 14 26 16</b>			<b>Facility Area Drains <small>(22 14 26)</small></b>		
22 14 26 16-0001			Area Drain <small>(22 14 26 16)</small>		
22 14 26 16-0002	EA		12" x 12" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer .....	2,236.28	78.49
			<i>For Ductile Iron Grate, Add</i> .....	123.50	
			<i>For Vandal Proof Screws, Add</i> .....	29.50	
			<i>For Primer Tap, Add</i> .....	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i> .....	152.25	
22 14 26 16-0003	EA		12" x 12" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer .....	2,253.21	86.96
			<i>For Ductile Iron Grate, Add</i> .....	123.50	
			<i>For Vandal Proof Screws, Add</i> .....	29.50	
			<i>For Primer Tap, Add</i> .....	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i> .....	152.25	
22 14 26 16-0004	EA		12" x 12" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer .....	2,271.01	95.89
			<i>For Ductile Iron Grate, Add</i> .....	123.50	
			<i>For Vandal Proof Screws, Add</i> .....	29.50	
			<i>For Primer Tap, Add</i> .....	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i> .....	152.25	
22 14 26 16-0005	EA		12" x 12" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer .....	2,289.56	105.15
			<i>For Ductile Iron Grate, Add</i> .....	123.50	
			<i>For Vandal Proof Screws, Add</i> .....	29.50	
			<i>For Primer Tap, Add</i> .....	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i> .....	152.25	
22 14 26 16-0006	EA		12" x 12" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer .....	1,354.10	78.49
			<i>For Ductile Iron Grate, Add</i> .....	123.50	
			<i>For Vandal Proof Screws, Add</i> .....	29.50	
			<i>For Primer Tap, Add</i> .....	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i> .....	152.25	
22 14 26 16-0007	EA		12" x 12" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer .....	1,371.03	86.96
			<i>For Ductile Iron Grate, Add</i> .....	123.50	
			<i>For Vandal Proof Screws, Add</i> .....	29.50	
			<i>For Primer Tap, Add</i> .....	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i> .....	152.25	
22 14 26 16-0008	EA		12" x 12" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer .....	1,388.83	95.89
			<i>For Ductile Iron Grate, Add</i> .....	123.50	
			<i>For Vandal Proof Screws, Add</i> .....	29.50	
			<i>For Primer Tap, Add</i> .....	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i> .....	152.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0009 EA 12" x 12" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,407.38	105.15
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0010 EA 12" x 12" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,083.71	78.49
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0011 EA 12" x 12" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,100.64	86.96
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0012 EA 12" x 12" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,118.44	95.89
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0013 EA 12" x 12" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,136.99	105.15
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Vandal Proof Screws, Add</i>	29.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0014 EA 16" x 16" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	4,567.89	78.49
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0015 EA 16" x 16" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	4,584.82	86.96
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0016 EA 16" x 16" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	4,602.62	95.89
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0017 EA 16" x 16" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	4,621.17	105.15
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0018 EA 16" x 16" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,201.07	78.49
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0019 EA 16" x 16" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,218.00	86.96
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0020 EA 16" x 16" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,235.80	95.89
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0021 EA 16" x 16" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,254.35	105.15
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0022 EA 16" x 16" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	4,327.30	78.49
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0023 EA 16" x 16" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	4,344.23	86.96
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0024 EA 16" x 16" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	4,362.03	95.89
<i>For Ductile Iron Grate, Add</i>	123.50	
<i>For Primer Tap, Add</i>	36.00	
<i>For Galvanized Cast Iron Parts, Add</i>	258.50	





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0025	EA		16" x 16" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	4,380.58	105.15
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0026	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	964.85	78.49
			<i>For Vandal Proof Grate, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0027	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	981.78	86.96
			<i>For Vandal Proof Grate, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0028	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	999.58	95.89
			<i>For Vandal Proof Grate, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0029	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	561.90	78.49
			<i>For Vandal Proof Grate, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0030	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	578.83	86.96
			<i>For Vandal Proof Grate, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0031	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	596.63	95.89
			<i>For Vandal Proof Grate, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0032	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	906.17	78.49
			<i>For Vandal Proof Grate, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0033	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	923.10	86.96
			<i>For Vandal Proof Grate, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0034	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots.....	940.90	95.89
			<i>For Vandal Proof Grate, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0035	EA		12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	3,024.57	78.49
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0036	EA		12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	3,041.50	86.96
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0037	EA		12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	3,059.30	95.89
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0038	EA		12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	1,946.79	78.49
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0039	EA		12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	1,963.72	86.96
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0040	EA		12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	1,981.52	95.89
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0041	EA		12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	2,836.79	78.49
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0042	EA		12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	2,853.72	86.96
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	307.50	
22 14 26 16-0043	EA		12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer.....	2,871.52	95.89
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	126.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	307.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 14 26 19 Facility Trench Drains (22 14 26)</b>		
<b>22 14 26 19-0001 Trench Drain (22 14 26 19)</b>		
Note: Each section is 39.4" in length.		
22 14 26 19-0002 EA 6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	745.42	78.49
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	66.00	
For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0003 EA 6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	762.35	86.96
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	66.00	
For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0004 EA 6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	780.15	95.89
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	66.00	
For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0005 EA 6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	441.53	78.49
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	66.00	
For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0006 EA 6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	458.46	86.96
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	66.00	
For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0007 EA 6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	476.26	95.89
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	66.00	
For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0008 EA 6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	704.01	78.49
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	66.00	
For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0009 EA 6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	720.94	86.96
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	66.00	
For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0010 EA 6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	738.74	95.89
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	66.00	
For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0011 EA 6" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	666.60	39.11
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	66.00	
For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0012 EA 6" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	362.71	39.11
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	66.00	
For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0013 EA 6" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	625.19	39.11
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	66.00	
For Galvanized Cast Iron Parts, Add	98.25	
22 14 26 19-0014 EA 12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	1,200.26	78.49
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0015 EA 12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	1,217.19	86.96
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0016 EA 12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,234.99	95.89
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0017 EA 12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	824.23	78.49
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0018 EA 12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	841.16	86.96
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0019 EA 12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	858.96	95.89
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0020 EA 12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,148.83	78.49
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0021 EA 12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,165.76	86.96
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0022 EA 12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,183.56	95.89
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0023 EA 12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	999.89	78.49
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0024 EA 12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,016.82	86.96
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0025 EA 12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,034.62	95.89
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	
For Sediment Bucket, Add	116.00	
For Galvanized Sediment Bucket, Add	188.50	
For Galvanized Cast Iron Parts, Add	131.50	
22 14 26 19-0026 EA 12" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,121.43	39.11
For Vandal Proof Screws, Add	48.50	
For Ductile Iron Grate, Add	181.50	
For Convex Grate On Cast Iron Or Ductile Price, Add	38.50	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0027	EA			12" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots ..... 745.40		39.11
				<i>For Vandal Proof Screws, Add</i> ..... 48.50		
				<i>For Ductile Iron Grate, Add</i> ..... 181.50		
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i> ..... 38.50		
22 14 26 19-0028	EA			12" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots ..... 1,070.00		39.11
				<i>For Vandal Proof Screws, Add</i> ..... 48.50		
				<i>For Ductile Iron Grate, Add</i> ..... 181.50		
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i> ..... 38.50		
22 14 26 19-0029	EA			12" Wide Trench Drain x 15" Extension Section, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots ..... 921.06		39.11
				<i>For Vandal Proof Screws, Add</i> ..... 48.50		
				<i>For Ductile Iron Grate, Add</i> ..... 181.50		
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i> ..... 38.50		
<b>22 14 29 Sump Pumps (22 14)</b>						
See CSI section 22 11 16 00-0000 for pipe extensions into well.						
<b>22 14 29 13 Wet-Pit-Mounted, Vertical Sump Pumps (22 14 29)</b>						
<b>22 14 29 13-0001 Vertical Mounted Sump Pumps (22 14 29 13)</b>						
Note: Mounted on steel support plate and supplied with cast iron strainer, 1750 RPM drip-proof motor, 5' column sections.						
22 14 29 13-0002	EA			1 HP Vertical Mounted Cast Iron Sump Pump, 1-1/2" Discharge, Single Stage, 25 GPM 40' Head ..... 3,021.40		194.14
				<i>For Explosion Proof Motor, Add</i> ..... 230.60		
22 14 29 13-0003	EA			1-1/2 HP Vertical Mounted Cast Iron Sump Pump, 2" Discharge, Single Stage, 75 GPM 40' Head ..... 3,213.72		234.99
				<i>For Explosion Proof Motor, Add</i> ..... 256.36		
22 14 29 13-0004	EA			2 HP Vertical Mounted Cast Iron Sump Pump, 2-1/2" Discharge, Single Stage, 100 GPM 40' Head ..... 3,678.77		279.17
				<i>For Explosion Proof Motor, Add</i> ..... 331.18		
22 14 29 13-0005	EA			3 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 150 GPM 40' Head ..... 3,953.91		343.44
				<i>For Explosion Proof Motor, Add</i> ..... 375.34		
22 14 29 13-0006	EA			5 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 200 GPM 40' Head ..... 4,182.28		372.23
				<i>For Explosion Proof Motor, Add</i> ..... 548.29		
22 14 29 13-0007	EA			10 HP Vertical Mounted Cast Iron Sump Pump, 4" Discharge, Single Stage, 300 GPM 70' Head ..... 4,962.98		446.54
				<i>For Explosion Proof Motor, Add</i> ..... 621.89		
22 14 29 13-0008	EA			15 HP Vertical Mounted Cast Iron Sump Pump, 5" Discharge, Single Stage, 500 GPM 70' Head ..... 5,651.01		424.03
				<i>For Explosion Proof Motor, Add</i> ..... 1,019.30		
22 14 29 13-0009	EA			20 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 800 GPM 70' Head ..... 6,846.58		516.89
				<i>For Explosion Proof Motor, Add</i> ..... 1,352.94		
22 14 29 13-0010	EA			30 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 1,000 GPM 70' Head ..... 7,413.09		602.82
				<i>For Explosion Proof Motor, Add</i> ..... 1,754.04		
22 14 29 13-0011	EA			50 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 1,600 GPM 70' Head ..... 9,914.20		723.64
				<i>For Explosion Proof Motor, Add</i> ..... 2,285.16		
22 14 29 13-0012	EA			60 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 2,000 GPM 70' Head ..... 13,646.43		803.76
				<i>For Explosion Proof Motor, Add</i> ..... 3,622.15		
<b>22 14 29 13-0013 Extra Column Assemblies (22 14 29 13)</b>						
22 14 29 13-0014	EA			1-1/2" Diameter x 5' Long Extra Column Assembly ..... 464.61		
22 14 29 13-0015	EA			2" Diameter x 5' Long Extra Column Assembly ..... 508.40		
22 14 29 13-0016	EA			2-1/2" Diameter x 5' Long Extra Column Assembly ..... 544.22		
22 14 29 13-0017	EA			3" Diameter x 5' Long Extra Column Assembly ..... 667.95		
22 14 29 13-0018	EA			4" Diameter x 5' Long Extra Column Assembly ..... 746.59		
22 14 29 13-0019	EA			5" Diameter x 5' Long Extra Column Assembly ..... 743.67		
22 14 29 13-0020	EA			6" Diameter x 5' Long Extra Column Assembly ..... 853.39		
22 14 29 13-0021	EA			8" Diameter x 5' Long Extra Column Assembly ..... 933.80		
<b>22 14 29 13-0022 Float Switch (22 14 29 13)</b>						
22 14 29 13-0023	EA			For Float Switch Copper Coated Float, General Purpose ..... 540.73		20.53
22 14 29 13-0024	EA			For Float Switch Copper Coated Float, Weathertight ..... 565.98		20.53
22 14 29 13-0025	EA			For Float Switch Copper Coated Float, Explosion Proof ..... 577.63		20.53
<b>22 14 29 13-0026 Support Plate (22 14 29 13)</b>						
22 14 29 13-0027	EA			24" Steel Support Plate, Round Or Square ..... 491.14		26.08
22 14 29 13-0028	EA			30" Steel Support Plate, Round Or Square ..... 543.71		29.33
22 14 29 13-0029	EA			36" Steel Support Plate, Round Or Square ..... 754.61		39.11
22 14 29 13-0030	EA			40" Steel Support Plate, Round Or Square ..... 1,096.19		45.63
22 14 29 13-0031	EA			42" Steel Support Plate, Round Or Square ..... 1,175.36		47.26
22 14 29 13-0032	EA			48" Steel Support Plate, Round Or Square ..... 1,256.88		48.90
22 14 29 13-0033	EA			54" Steel Support Plate, Round Or Square ..... 1,601.52		58.67
22 14 29 13-0034	EA			60" Steel Support Plate, Round Or Square ..... 2,170.90		65.19
22 14 29 13-0035	EA			72" Steel Support Plate, Round Or Square ..... 2,898.90		81.49
22 14 29 13-0036	EA			84" Steel Support Plate, Round Or Square ..... 3,500.93		89.63
<b>22 14 29 16 Submersible Sump Pumps (22 14 29)</b>						
Note: Includes 25' of cord with pumps unless otherwise noted.						
<b>22 14 29 16-0001 Submersible Sump/Effluent Pumps (22 14 29 16)</b>						
Note: Includes 25' of cord with pumps unless otherwise noted.						



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 16-0002			Wet Pit Submersible Pumps, (KSB) Model KRT (22 14 29 16-0001)		
22 14 29 16-0003			4 Pole / 1,750 RPM (22 14 29 16-0002)		
22 14 29 16-0004	EA		To 10 HP, 600 GPM @ 32' Head, Wet Pit Submersible Pump	5,429.09	195.36
			For Automatic Reversing Switch, NEMA 4X Box, Add	572.92	
			For Manual Reversing Switch, NEMA 4X Box, Add	492.13	
22 14 29 16-0005	EA		11-20 HP, 900 GPM @ 60' Head, Wet Pit Submersible Pump	6,353.82	325.60
			For Automatic Reversing Switch, NEMA 4X Box, Add	572.92	
			For Manual Reversing Switch, NEMA 4X Box, Add	492.13	
22 14 29 16-0006	EA		21-36 HP, 1,000 GPM @ 105' Head, Wet Pit Submersible Pump	10,917.30	455.84
			For Automatic Reversing Switch, NEMA 4X Box, Add	572.92	
			For Manual Reversing Switch, NEMA 4X Box, Add	492.13	
22 14 29 16-0007	EA		51-83 HP, 2,500GPM @ 115' Head, Wet Pit Submersible Pump	26,448.21	586.07
			For Automatic Reversing Switch, NEMA 4X Box, Add	572.92	
			For Manual Reversing Switch, NEMA 4X Box, Add	492.13	
22 14 29 16-0008	EA		83-110 HP, 2,600 GPM @ 140' Head, Wet Pit Submersible Pump	28,647.89	716.31
			For Automatic Reversing Switch, NEMA 4X Box, Add	572.92	
			For Manual Reversing Switch, NEMA 4X Box, Add	492.13	
22 14 29 16-0009	EA		83-110 HP, 3,000 GPM @ 100' Head, Wet Pit Submersible Pump	31,113.19	716.31
			For Automatic Reversing Switch, NEMA 4X Box, Add	572.92	
			For Manual Reversing Switch, NEMA 4X Box, Add	492.13	
22 14 29 16-0010	EA		83-110 HP, 3,500 GPM @ 80' Head, Wet Pit Submersible Pump	31,708.79	716.31
			For Automatic Reversing Switch, NEMA 4X Box, Add	572.92	
			For Manual Reversing Switch, NEMA 4X Box, Add	492.13	
22 14 29 16-0011	EA		110-160 HP, 3,000 GPM @ 180' Head, Wet Pit Submersible Pump	37,961.09	846.55
			For Automatic Reversing Switch, NEMA 4X Box, Add	572.92	
			For Manual Reversing Switch, NEMA 4X Box, Add	492.13	
22 14 29 16-0012	EA		110-160 HP, 3,500 GPM @ 140' Head, Wet Pit Submersible Pump	36,904.87	846.55
			For Automatic Reversing Switch, NEMA 4X Box, Add	572.92	
			For Manual Reversing Switch, NEMA 4X Box, Add	492.13	
22 14 29 16-0013	EA		110-160 HP, 4,500 GPM @ 110' Head, Wet Pit Submersible Pump	39,284.91	846.55
			For Automatic Reversing Switch, NEMA 4X Box, Add	572.92	
			For Manual Reversing Switch, NEMA 4X Box, Add	492.13	
22 14 29 16-0014	EA		160-210 HP, 3,800 GPM @ 150' Head, Wet Pit Submersible Pump	41,748.25	976.79
			For Automatic Reversing Switch, NEMA 4X Box, Add	572.92	
			For Manual Reversing Switch, NEMA 4X Box, Add	492.13	
22 14 29 16-0015	EA		160-210 HP, 5,000 GPM @ 130' Head, Wet Pit Submersible Pump	44,566.41	976.79
			For Automatic Reversing Switch, NEMA 4X Box, Add	572.92	
			For Manual Reversing Switch, NEMA 4X Box, Add	492.13	
22 14 29 16-0016			6 Pole / 1160 RPM (22 14 29 16-0002)		
22 14 29 16-0017	EA		To 10 HP, 1,100 GPM @ 26' Head, Wet Pit Submersible Pump	7,574.67	195.36
			For Automatic Reversing Switch, NEMA 4X Box, Add	572.92	
			For Manual Reversing Switch, NEMA 4X Box, Add	492.13	
22 14 29 16-0018	EA		To 10 HP, 1,800 GPM @ 16' Head, Wet Pit Submersible Pump	10,396.38	195.36
			For Automatic Reversing Switch, NEMA 4X Box, Add	572.92	
			For Manual Reversing Switch, NEMA 4X Box, Add	492.13	
22 14 29 16-0019	EA		11-24 HP, 1,400 GPM @ 47' Head, Wet Pit Submersible Pump	8,469.80	325.60
			For Automatic Reversing Switch, NEMA 4X Box, Add	572.92	
			For Manual Reversing Switch, NEMA 4X Box, Add	492.13	
22 14 29 16-0020	EA		11-24 HP, 2,400 GPM @ 30' Head, Wet Pit Submersible Pump	11,624.24	325.60
			For Automatic Reversing Switch, NEMA 4X Box, Add	572.92	
			For Manual Reversing Switch, NEMA 4X Box, Add	492.13	
22 14 29 16-0021	EA		21-50 HP, 2,100 GPM @ 75' Head, Wet Pit Submersible Pump	16,814.12	455.84
			For Automatic Reversing Switch, NEMA 4X Box, Add	572.92	
			For Manual Reversing Switch, NEMA 4X Box, Add	492.13	
22 14 29 16-0022	EA		21-50 HP, 2,400 GPM @ 60' Head, Wet Pit Submersible Pump	17,840.74	455.84
			For Automatic Reversing Switch, NEMA 4X Box, Add	572.92	
			For Manual Reversing Switch, NEMA 4X Box, Add	492.13	
22 14 29 16-0023	EA		21-50 HP, 3,200 GPM @ 50' Head, Wet Pit Submersible Pump	21,607.36	455.84
			For Automatic Reversing Switch, NEMA 4X Box, Add	572.92	
			For Manual Reversing Switch, NEMA 4X Box, Add	492.13	
22 14 29 16-0024	EA		21-50 HP, 5,000 GPM @ 29' Head, Wet Pit Submersible Pump	26,011.03	455.84
			For Automatic Reversing Switch, NEMA 4X Box, Add	572.92	
			For Manual Reversing Switch, NEMA 4X Box, Add	492.13	
22 14 29 16-0025	EA		51-80 HP, 2,800 GPM @ 80' Head, Wet Pit Submersible Pump	26,100.08	586.07
			For Automatic Reversing Switch, NEMA 4X Box, Add	572.92	
			For Manual Reversing Switch, NEMA 4X Box, Add	492.13	
22 14 29 16-0026	EA		51-80 HP, 4,000 GPM @ 60' Head, Wet Pit Submersible Pump	30,071.55	586.07
			For Automatic Reversing Switch, NEMA 4X Box, Add	572.92	
			For Manual Reversing Switch, NEMA 4X Box, Add	492.13	
22 14 29 16-0027	EA		51-80 HP, 5,500 GPM @ 43' Head, Wet Pit Submersible Pump	35,324.22	586.07
			For Automatic Reversing Switch, NEMA 4X Box, Add	572.92	
			For Manual Reversing Switch, NEMA 4X Box, Add	492.13	
22 14 29 16-0028	EA		76-112 HP, 2,200 GPM @ 105' Head, Wet Pit Submersible Pump	44,223.55	716.31
			For Automatic Reversing Switch, NEMA 4X Box, Add	572.92	
			For Manual Reversing Switch, NEMA 4X Box, Add	492.13	
22 14 29 16-0029	EA		76-112 HP, 4,100 GPM @ 70' Head, Wet Pit Submersible Pump	30,573.24	716.31
			For Automatic Reversing Switch, NEMA 4X Box, Add	572.92	
			For Manual Reversing Switch, NEMA 4X Box, Add	492.13	
22 14 29 16-0030	EA		76-112 HP, 6,500 GPM @ 50' Head, Wet Pit Submersible Pump	38,307.78	716.31
			For Automatic Reversing Switch, NEMA 4X Box, Add	572.92	
			For Manual Reversing Switch, NEMA 4X Box, Add	492.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 16-0031 EA 112-143 HP, 2,500 GPM @ 120' Head, Wet Pit Submersible Pump ..... <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	48,536.29 572.92 492.13	846.55
22 14 29 16-0032 EA 112-143 HP, 6,500 GPM @ 65' Head, Wet Pit Submersible Pump ..... <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	48,182.24 572.92 492.13	846.55
22 14 29 16-0033 EA 155-200 HP, 3,000 GPM @ 150' Head, Wet Pit Submersible Pump ..... <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	59,782.10 572.92 492.13	976.79
22 14 29 16-0034 EA 155-200 HP, 6,000 GPM @ 110' Head, Wet Pit Submersible Pump ..... <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	66,305.30 572.92 492.13	976.79
22 14 29 16-0035 EA 201-280 HP, 6,500 GPM @ 130' Head, Wet Pit Submersible Pump ..... <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	72,735.41 572.92 492.13	1,107.03
22 14 29 16-0036 EA 281-450 HP, 12,000 GPM @ 110' Head, Wet Pit Submersible Pump ..... <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	104,327.08 572.92 492.13	1,237.26
<b>22 14 29 16-0037 8 Pole / 875 RPM</b> <small>(22 14 29 16-0002)</small>		
22 14 29 16-0038 EA To 20 HP, 2,300 GPM @ 25' Head, Wet Pit Submersible Pump ..... <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	7,224.13 572.92 492.13	325.60
22 14 29 16-0039 EA 21-30 HP, 2,500 GPM @ 31' Head, Wet Pit Submersible Pump ..... <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	8,250.71 572.92 492.13	455.84
22 14 29 16-0040 EA 31-50 HP, 4,700 GPM @ 29' Head, Wet Pit Submersible Pump ..... <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	11,856.54 572.92 492.13	586.07
22 14 29 16-0041 EA 51-117 HP, 6,500 GPM @ 45' Head, Wet Pit Submersible Pump ..... <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	22,897.90 572.92 492.13	716.31
22 14 29 16-0042 EA 118-175 HP, 9,000 GPM @ 60' Head, Wet Pit Submersible Pump ..... <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	28,984.43 572.92 492.13	846.55
22 14 29 16-0043 EA 176-210 HP, 1,4000 GPM @ 50' Head, Wet Pit Submersible Pump ..... <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	39,603.85 572.92 492.13	976.79
22 14 29 16-0044 EA 211-250 HP, 14,000 GPM @ 60' Head, Wet Pit Submersible Pump ..... <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	42,246.02 572.92 492.13	1,107.03
<b>22 14 29 16-0045 10 Pole / 700 RPM</b> <small>(22 14 29 16-0002)</small>		
22 14 29 16-0046 EA To 55 HP, 6,500 GPM @ 25' Head Wet Pit Submersible Pump ..... <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	19,935.41 572.92 492.13	455.84
22 14 29 16-0047 EA 56-76 HP, 7,000 GPM @ 36' Head Wet Pit Submersible Pump ..... <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	22,637.77 572.92 492.13	586.07
22 14 29 16-0048 EA 76-117 HP, 10,000 GPM @ 30' Head Wet Pit Submersible Pump ..... <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	34,103.04 572.92 492.13	716.31
22 14 29 16-0049 EA 118-150 HP, 11,500 GPM @ 40' Head Wet Pit Submersible Pump ..... <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	40,187.20 572.92 492.13	846.55
<b>22 14 29 16-0050 Dry Pit Submersible Pumps, (KSB) Model KRTB</b> <small>(22 14 29 16-0001)</small>		
<b>22 14 29 16-0051 4 Pole / 1,750 RPM</b> <small>(22 14 29 16-0050)</small>		
22 14 29 16-0052 EA To 35 HP, 800 GPM @ 90' Head Dry Pit Submersible Pump ..... <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	17,370.65 487.66 255.01	455.84
22 14 29 16-0053 EA To 35 HP, 1,700 GPM @ 50' Head Dry Pit Submersible Pump ..... <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	19,206.00 487.66 255.01	455.84
22 14 29 16-0054 EA 36-50 HP, 1,300 GPM @ 80' Head Dry Pit Submersible Pump ..... <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	19,854.65 487.66 255.01	520.95
22 14 29 16-0055 EA 36-50 HP, 2,000 GPM @ 66' Head Dry Pit Submersible Pump ..... <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	23,025.67 487.66 255.01	520.95
22 14 29 16-0056 EA 51-75 HP, 1,600 GPM @ 110' Head Dry Pit Submersible Pump ..... <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	34,445.02 487.66 255.01	586.07
22 14 29 16-0057 EA 51-75 HP, 2,400 GPM @ 80' Head Dry Pit Submersible Pump ..... <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	35,089.17 487.66 255.01	586.07
22 14 29 16-0058 EA 76-110 HP, 1,900 GPM @ 125' Head Dry Pit Submersible Pump ..... <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	37,847.17 487.66 255.01	716.31



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 16-0059	EA		76-110 HP, 2,600 GPM @ 110' Head Dry Pit Submersible Pump <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	37,998.73 487.66 255.01	716.31
22 14 29 16-0060	EA		110-150 HP, 3,000 GPM @ 160' Head Dry Pit Submersible Pump <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	53,909.73 487.66 255.01	846.55
22 14 29 16-0061	EA		110-150 HP, 4,000 GPM @ 100' Head Dry Pit Submersible Pump <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	62,502.75 487.66 255.01	846.55
<b>22 14 29 16-0062</b>			<b>6 Pole / 1160 RPM</b> <small>(22 14 29 16-0050)</small>		
22 14 29 16-0063	EA		To 35 HP, 1,300 GPM @ 55' Head Dry Pit Submersible Pump <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	21,747.08 487.66 255.01	455.84
22 14 29 16-0064	EA		To 35 HP, 1,800 GPM @ 45' Head Dry Pit Submersible Pump <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	23,861.89 487.66 255.01	455.84
22 14 29 16-0065	EA		To 35 HP, 2,800 GPM @ 35' Head Dry Pit Submersible Pump <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	32,019.15 487.66 255.01	455.84
22 14 29 16-0066	EA		36-50 HP, 2,000 GPM @ 55' Head Dry Pit Submersible Pump <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	29,651.89 487.66 255.01	520.95
22 14 29 16-0067	EA		36-50 HP, 3,200 GPM @ 50' Head Dry Pit Submersible Pump <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	36,916.35 487.66 255.01	520.95
22 14 29 16-0068	EA		51-75 HP, 2,500 GPM @ 88' Head Dry Pit Submersible Pump <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	40,599.97 487.66 255.01	586.07
22 14 29 16-0069	EA		51-75 HP, 5,500 GPM @ 45' Head Dry Pit Submersible Pump <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	49,674.91 487.66 255.01	586.07
22 14 29 16-0070	EA		76-112 HP, 3,100 GPM @ 100' Head Dry Pit Submersible Pump <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	56,002.97 487.66 255.01	716.31
22 14 29 16-0071	EA		76-112 HP, 8,400 GPM @ 55' Head Dry Pit Submersible Pump <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	61,694.94 487.66 255.01	716.31
22 14 29 16-0072	EA		112-154 HP, 3,300 GPM @ 130' Head Dry Pit Submersible Pump <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	75,484.03 487.66 255.01	846.55
22 14 29 16-0073	EA		110-154 HP, 5,000 GPM @ 80' Head Dry Pit Submersible Pump <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	91,369.92 487.66 255.01	846.55
22 14 29 16-0074	EA		154-200 HP, 3,700 GPM @ 140' Head Dry Pit Submersible Pump <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	81,261.67 487.66 255.01	976.79
22 14 29 16-0075	EA		154-200 HP, 5,700 GPM @ 100' Head Dry Pit Submersible Pump <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	97,076.51 487.66 255.01	976.79
22 14 29 16-0076	EA		201-300 HP, 6,500 GPM @ 130' Head Dry Pit Submersible Pump <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	142,984.51 487.66 255.01	1,107.03
<b>22 14 29 16-0077</b>			<b>8 Pole / 875 RPM</b> <small>(22 14 29 16-0050)</small>		
22 14 29 16-0078	EA		To 35 HP, 2,000 GPM @ 45' Head, Dry Pit Submersible Pump <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	31,242.38 487.66 255.01	455.84
22 14 29 16-0079	EA		To 35 HP, 2,400 GPM @ 32' Head, Dry Pit Submersible Pump <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	39,428.06 487.66 255.01	455.84
22 14 29 16-0080	EA		36-50 HP, 4,600 GPM @ 30' Head, Dry Pit Submersible Pump <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	44,191.46 487.66 255.01	520.95
22 14 29 16-0081	EA		51-75 HP, 4,250 GPM @ 51' Head, Dry Pit Submersible Pump <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	54,961.92 487.66 255.01	586.07
22 14 29 16-0082	EA		76-110 HP, 4,600 GPM @ 70' Head, Dry Pit Submersible Pump <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	69,505.26 487.66 255.01	716.31
22 14 29 16-0083	EA		76-110 HP, 8,500 GPM @ 40' Head, Dry Pit Submersible Pump <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	74,165.88 487.66 255.01	716.31
22 14 29 16-0084	EA		110-154 HP, 5,000 GPM @ 75' Head, Dry Pit Submersible Pump <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	81,747.92 487.66 255.01	846.55
22 14 29 16-0085	EA		110-154 HP, 9,000 GPM @ 55' Head, Dry Pit Submersible Pump <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	91,411.36 487.66 255.01	846.55
22 14 29 16-0086	EA		110-154 HP, 12,000 GPM @ 32' Head, Dry Pit Submersible Pump <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	119,101.54 487.66 255.01	846.55



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 16-0087 EA 154-214 HP, 13,000 GPM @ 50' Head, Dry Pit Submersible Pump..... <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	156,366.76 487.66 255.01	976.79
22 14 29 16-0088 EA 215-244 HP, 14,000 GPM @ 55' Head, Dry Pit Submersible Pump..... <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	169,639.78 487.66 255.01	1,107.03
<b>22 14 29 16-0089 10 Pole / 700 RPM</b> <small>(22 14 29 16-0050)</small>		
22 14 29 16-0090 EA To 55 HP, 3,600 GPM @ 40' Head Dry Pit Submersible Pump..... <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	66,735.54 487.66 255.01	520.95
22 14 29 16-0091 EA To 55 HP, 6,250 GPM @ 28' Head Dry Pit Submersible Pump..... <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	71,242.22 487.66 255.01	520.95
22 14 29 16-0092 EA 56-75 HP, 4,000 GPM @ 47' Head Dry Pit Submersible Pump..... <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	70,023.67 487.66 255.01	586.07
22 14 29 16-0093 EA 55-82 HP, 9,000 GPM @ 37' Head Dry Pit Submersible Pump..... <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	77,625.59 487.66 255.01	586.07
22 14 29 16-0094 EA 76-110 HP, 10,500 GPM @ 30' Head Dry Pit Submersible Pump..... <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	116,731.91 487.66 255.01	716.31
22 14 29 16-0095 EA 110-154 HP, 11,500 GPM @ 40' Head Dry Pit Submersible Pump..... <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	128,441.72 487.66 255.01	846.55
22 14 29 16-0096 EA 154-214 HP, 13,000 GPM @ 55' Head Dry Pit Submersible Pump..... <i>For Automatic Reversing Switch, NEMA 4X Box, Add</i> <i>For Manual Reversing Switch, NEMA 4X Box, Add</i>	165,452.36 487.66 255.01	976.79
<b>22 14 29 16-0097 Submersible Sump Pump With Vortex Impeller</b> <small>(22 14 29 16)</small>		
<b>22 14 29 16-0098 Submersible Sump Pump With Cast Iron Vortex Impeller</b> <small>(22 14 29 16-0097)</small>		
22 14 29 16-0099 EA 1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	263.10	42.49
22 14 29 16-0100 EA 1/3 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	293.37	42.49
22 14 29 16-0101 EA 1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	433.39	44.97
22 14 29 16-0102 EA 1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	468.73	44.97
<b>22 14 29 16-0103 Submersible Sump Pump With Bronze Vortex Impeller</b> <small>(22 14 29 16-0097)</small>		
22 14 29 16-0104 EA 1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	699.35	44.97
22 14 29 16-0105 EA 1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	760.30	44.97
22 14 29 16-0106 EA 1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	798.34	49.56
22 14 29 16-0107 EA 1 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	861.43	49.56
22 14 29 16-0108 EA 1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	898.88	56.65
22 14 29 16-0109 EA 1-1/2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	961.97	56.65
22 14 29 16-0110 EA 2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	968.98	67.27
22 14 29 16-0111 EA 2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,020.98	67.27
<b>22 14 29 16-0112 Submersible Sump Pump With Semi-Open Impeller</b> <small>(22 14 29 16)</small>		
22 14 29 16-0113 EA 1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller.....	685.17	42.49
22 14 29 16-0114 EA 1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller.....	784.60	44.97
22 14 29 16-0115 EA 3/4 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller.....	937.34	47.44
22 14 29 16-0116 EA 1 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller.....	990.60	49.56
22 14 29 16-0117 EA 1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller.....	1,129.96	56.65
22 14 29 16-0118 EA 2 HP Manual Submersible Sump Pump, 230 Volt, 1 Or 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Semi-Open Impeller.....	1,316.36	67.27

**22 14 29 19 Sump-Pump Basins and Pits** (22 14 29)  
See CSI section 22 13 29 33-0000 for basins and pits.

**22 15 General Service Compressed-Air Systems** (22 10)





MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**22 15 13 General Service Compressed-Air Piping (22 15)**

**22 15 13 00-0001 Quick Disconnect, Air-Service (22 15 13)**

**22 15 13 00-0002 Combination Steel And Brass (22 15 13 00-0001)**

22 15 13 00-0003	EA	1/2" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket.....	34.30	9.92
22 15 13 00-0004	EA	3/4" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket.....	38.30	12.03

**22 15 13 00-0005 Refrigerated Air Dryers With Ambient Air Filters (22 15 13)**

22 15 13 00-0006	EA	3 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	499.03	53.15
22 15 13 00-0007	EA	5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	569.27	54.62
22 15 13 00-0008	EA	7.5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	729.26	56.10
22 15 13 00-0009	EA	10 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	850.78	59.06
22 15 13 00-0010	EA	15 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	946.29	66.44
22 15 13 00-0011	EA	20 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,050.16	75.59
22 15 13 00-0012	EA	30 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,491.20	95.97
22 15 13 00-0013	EA	40 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,676.00	112.21
22 15 13 00-0014	EA	50 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,822.67	119.89
22 15 13 00-0015	EA	60 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,980.18	132.88
22 15 13 00-0016	EA	75 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,230.74	147.65
22 15 13 00-0017	EA	85 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,483.55	162.41
22 15 13 00-0018	EA	100 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,611.57	180.12
22 15 13 00-0019	EA	125 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	3,050.87	191.93
22 15 13 00-0020	EA	175 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	3,684.98	199.32
22 15 13 00-0021	EA	200 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	4,360.60	206.71
22 15 13 00-0022	EA	250 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	4,850.65	214.08
22 15 13 00-0023	EA	300 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	5,285.48	221.47
22 15 13 00-0024	EA	400 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	5,910.80	236.23
22 15 13 00-0025	EA	500 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	6,901.83	295.29
22 15 13 00-0026	EA	600 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	8,734.37	354.34
22 15 13 00-0027	EA	800 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	9,725.39	413.40
22 15 13 00-0028	EA	1,000 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	11,446.85	472.47

**22 15 13 00-0029 Oil And Water Separator For Air Compressor (22 15 13)**

22 15 13 00-0030	EA	0-60 SCFM Oil/Water Separator.....	477.41	23.27
22 15 13 00-0031	EA	85 SCFM Oil/Water Separator.....	640.22	27.27
22 15 13 00-0032	EA	190 SCFM Oil/Water Separator.....	748.46	30.91
22 15 13 00-0033	EA	245 SCFM Oil/Water Separator.....	940.02	36.35
22 15 13 00-0034	EA	320 SCFM Oil/Water Separator.....	1,117.26	43.63
22 15 13 00-0035	EA	700 SCFM Oil/Water Separator.....	2,251.86	90.89

**22 15 13 00-0036 Heavy Duty Industrial Pressure Regulator (22 15 13)**

22 15 13 00-0037	EA	3/8" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	76.95	17.71
22 15 13 00-0038	EA	1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	107.84	23.62
22 15 13 00-0039	EA	3/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	187.87	29.53
22 15 13 00-0040	EA	1" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	233.10	44.30
22 15 13 00-0041	EA	1-1/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	329.25	51.67
22 15 13 00-0042	EA	1-1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	344.01	59.06

**22 15 13 00-0043 Combination Air System; Filter Regulator Lubricator (22 15 13)**

22 15 13 00-0044	EA	3/8" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter.....	297.03	53.15
22 15 13 00-0045	EA	1/2" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter.....	366.13	70.87

**22 15 13 00-0046 Heatless Desiccant Air Dryers (22 15 13)**

22 15 13 00-0047	EA	5 SCFM Heatless Desiccant Air Dryer.....	1,837.21	53.15
22 15 13 00-0048	EA	10 SCFM Heatless Desiccant Air Dryer.....	2,210.64	59.06
22 15 13 00-0049	EA	15 SCFM Heatless Desiccant Air Dryer.....	2,230.30	64.96
22 15 13 00-0050	EA	20 SCFM Heatless Desiccant Air Dryer.....	2,547.64	73.82
22 15 13 00-0051	EA	30 SCFM Heatless Desiccant Air Dryer.....	3,514.00	88.59
22 15 13 00-0052	EA	50 SCFM Heatless Desiccant Air Dryer.....	3,459.74	118.11
22 15 13 00-0053	EA	85 SCFM Heatless Desiccant Air Dryer.....	4,650.89	147.65
22 15 13 00-0054	EA	100 SCFM Heatless Desiccant Air Dryer.....	4,928.51	177.17
22 15 13 00-0055	EA	125 SCFM Heatless Desiccant Air Dryer.....	5,641.02	206.71
22 15 13 00-0056	EA	175 SCFM Heatless Desiccant Air Dryer.....	6,477.97	236.23
22 15 13 00-0057	EA	200 SCFM Heatless Desiccant Air Dryer.....	6,957.21	265.76
22 15 13 00-0058	EA	300 SCFM Heatless Desiccant Air Dryer.....	8,517.51	295.29
22 15 13 00-0059	EA	400 SCFM Heatless Desiccant Air Dryer.....	9,452.45	354.34
22 15 13 00-0060	EA	500 SCFM Heatless Desiccant Air Dryer.....	10,923.69	413.40
22 15 13 00-0061	EA	600 SCFM Heatless Desiccant Air Dryer.....	12,605.88	472.47

**22 15 13 00-0062 Air Cooled Aftercoolers (22 15 13)**

22 15 13 00-0063	EA	20 SCFM Air-Cooled Aftercooler.....	455.31	36.91
22 15 13 00-0064	EA	35 SCFM Air-Cooled Aftercooler.....	617.05	44.30
22 15 13 00-0065	EA	43 SCFM Air-Cooled Aftercooler.....	676.69	51.67



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0066 EA 70 SCFM Air-Cooled Aftercooler .....	828.34	59.06
22 15 13 00-0067 EA 125 SCFM Air-Cooled Aftercooler .....	1,159.50	66.44
22 15 13 00-0068 EA 185 SCFM Air-Cooled Aftercooler .....	1,302.19	73.82
22 15 13 00-0069 EA 260 SCFM Air-Cooled Aftercooler .....	2,540.55	88.59
22 15 13 00-0070 EA 365 SCFM Air-Cooled Aftercooler .....	2,652.22	103.35
22 15 13 00-0071 EA 560 SCFM Air-Cooled Aftercooler .....	2,762.97	118.11
22 15 13 00-0072 EA 650 SCFM Air-Cooled Aftercooler .....	3,242.20	132.88
22 15 13 00-0073 EA 750 SCFM Air-Cooled Aftercooler .....	3,543.70	147.65
22 15 13 00-0074 EA 900 SCFM Air-Cooled Aftercooler .....	4,066.02	162.41
22 15 13 00-0075 EA 1,100 SCFM Air-Cooled Aftercooler .....	5,231.00	177.17
22 15 13 00-0076 EA 1,460 SCFM Air-Cooled Aftercooler .....	5,987.15	191.93
22 15 13 00-0077 EA 1,800 SCFM Air-Cooled Aftercooler .....	6,179.36	206.71
22 15 13 00-0078 EA 2,500 SCFM Air-Cooled Aftercooler .....	6,626.27	221.47
<b>22 15 13 00-0079</b>	<b>Compressed Air Coalescing Filters (22 15 13)</b>	
<b>22 15 13 00-0080</b>	<b>1.0 Micron Filter Rated Compressed Air Coalescing Filters (22 15 13 00-0079)</b>	
22 15 13 00-0081 EA 10 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating .....	159.46	23.63
22 15 13 00-0082 EA 20 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating .....	190.88	23.63
22 15 13 00-0083 EA 50 SCFM, 1/2", Coalescing Filter, 1.0 Micron Filter Rating .....	208.25	27.27
22 15 13 00-0084 EA 75 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating .....	239.81	31.27
22 15 13 00-0085 EA 100 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating .....	280.01	34.54
22 15 13 00-0086 EA 140 SCFM, 1", Coalescing Filter, 1.0 Micron Filter Rating .....	317.00	41.80
22 15 13 00-0087 EA 175 SCFM, 1-1/4" Coalescing Filter, 1.0 Micron Filter Rating .....	442.30	45.44
22 15 13 00-0088 EA 250 SCFM, 1-1/2" Coalescing Filter, 1.0 Micron Filter Rating .....	414.24	54.54
22 15 13 00-0089 EA 280 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating .....	531.39	72.71
22 15 13 00-0090 EA 350 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating .....	607.91	81.80
<b>22 15 13 00-0091</b>	<b>0.01 Micron Filter Rated Compressed Air Coalescing Filters (22 15 13 00-0079)</b>	
22 15 13 00-0092 EA 16 SCFM, 3/8" Coalescing Filter, 0.01 Micron Filter Rating .....	195.37	23.63
22 15 13 00-0093 EA 30 SCFM, 1/2" Coalescing Filter, 0.01 Micron Filter Rating .....	211.61	27.27
22 15 13 00-0094 EA 60 SCFM, 3/4" Coalescing Filter, 0.01 Micron Filter Rating .....	242.95	31.27
22 15 13 00-0095 EA 100 SCFM, 1" Coalescing Filter, 0.01 Micron Filter Rating .....	286.29	30.91
22 15 13 00-0096 EA 140 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating .....	324.18	41.80
22 15 13 00-0097 EA 180 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating .....	368.02	45.44
22 15 13 00-0098 EA 250 SCFM, 1-1/2" Coalescing Filter, 0.01 Micron Filter Rating .....	422.32	54.54
22 15 13 00-0099 EA 280 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating .....	544.85	72.71
22 15 13 00-0100 EA 350 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating .....	625.86	81.80
<b>22 15 13 00-0101</b>	<b>Compressed Air Storage Tanks (22 15 13)</b>	
<b>22 15 13 00-0102</b>	<b>Horizontal Compressed Air Storage Tanks (22 15 13 00-0101)</b>	
22 15 13 00-0103 EA 12 Gallon Horizontal Compressed Air Storage Tank, ASME .....	251.58	47.25
22 15 13 00-0104 EA 15 Gallon Horizontal Compressed Air Storage Tank, ASME .....	522.68	51.67
22 15 13 00-0105 EA 20 Gallon Horizontal Compressed Air Storage Tank, ASME .....	554.20	54.33
22 15 13 00-0106 EA 30 Gallon Horizontal Compressed Air Storage Tank, ASME .....	634.67	59.06
22 15 13 00-0107 EA 60 Gallon Horizontal Compressed Air Storage Tank, ASME .....	825.93	79.72
22 15 13 00-0108 EA 80 Gallon Horizontal Compressed Air Storage Tank, ASME .....	1,004.56	88.59
22 15 13 00-0109 EA 120 Gallon Horizontal Compressed Air Storage Tank, ASME .....	1,535.72	103.35
22 15 13 00-0110 EA 200 Gallon Horizontal Compressed Air Storage Tank, ASME .....	2,325.27	118.11
22 15 13 00-0111 EA 240 Gallon Horizontal Compressed Air Storage Tank, ASME .....	2,598.46	125.50
22 15 13 00-0112 EA 325 Gallon Horizontal Compressed Air Storage Tank, ASME .....	3,803.83	132.88
22 15 13 00-0113 EA 400 Gallon Horizontal Compressed Air Storage Tank, ASME .....	5,031.15	155.02
22 15 13 00-0114 EA 660 Gallon Horizontal Compressed Air Storage Tank, ASME .....	7,274.93	184.56
<b>22 15 13 00-0115</b>	<b>Vertical Compressed Air Storage Tanks (22 15 13 00-0101)</b>	
22 15 13 00-0116 EA 10 Gallon Vertical Compressed Air Storage Tank, ASME .....	487.62	47.25
22 15 13 00-0117 EA 15 Gallon Vertical Compressed Air Storage Tank, ASME .....	509.57	51.67
22 15 13 00-0118 EA 20 Gallon Vertical Compressed Air Storage Tank, ASME .....	554.20	54.33
22 15 13 00-0119 EA 30 Gallon Vertical Compressed Air Storage Tank, ASME .....	660.62	59.06
22 15 13 00-0120 EA 60 Gallon Vertical Compressed Air Storage Tank, ASME .....	903.77	79.72
22 15 13 00-0121 EA 80 Gallon Vertical Compressed Air Storage Tank, ASME .....	1,042.03	88.59
22 15 13 00-0122 EA 120 Gallon Vertical Compressed Air Storage Tank, ASME .....	1,454.21	103.35
22 15 13 00-0123 EA 200 Gallon Vertical Compressed Air Storage Tank, ASME .....	2,157.28	118.11
22 15 13 00-0124 EA 240 Gallon Vertical Compressed Air Storage Tank, ASME .....	2,384.33	125.50
22 15 13 00-0125 EA 325 Gallon Vertical Compressed Air Storage Tank, ASME .....	3,279.68	132.88
22 15 13 00-0126 EA 400 Gallon Vertical Compressed Air Storage Tank, ASME .....	4,217.67	155.02
22 15 13 00-0127 EA 500 Gallon Vertical Compressed Air Storage Tank, ASME .....	5,531.38	169.80
22 15 13 00-0128 EA 660 Gallon Vertical Compressed Air Storage Tank, ASME .....	9,281.50	191.93

**22 15 19 General Service Packaged Air Compressors And Receivers (22 15)**  
 Note: Includes V-belt drive, receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

**22 15 19 13 General Service Packaged Reciprocating Air Compressors (22 15 19)**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 15 19 13-0001		Single Stage Compressor <small>(22 15 19 13)</small>	
Note: Includes receiver, reciprocating air cooled, 140 PSIG working pressure, splash lubricated, tank mounted.			
22 15 19 13-0002	EA	1/2 HP 1-Stage Air Compressor, 1.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure .....	1,339.70 209.54
22 15 19 13-0003	EA	3/4 HP 1-Stage Air Compressor, 2.0 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure .....	1,408.34 241.84
22 15 19 13-0004	EA	1 HP 1-Stage Air Compressor, 2.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure .....	1,610.73 285.60
22 15 19 13-0005	EA	2 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure .....	1,831.21 315.13
22 15 19 13-0006	EA	3 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure .....	2,220.19 332.85
22 15 19 13-0007	EA	4 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure .....	2,368.05 344.66
22 15 19 13-0008	EA	5 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure .....	2,661.79 393.91
22 15 19 13-0009	EA	5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure .....	2,853.16 417.54
22 15 19 13-0010	EA	7.5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure.....	3,412.64 472.70

22 15 19 13-0011		Two Stage Compressor <small>(22 15 19 13)</small>	
Note: With receiver, reciprocating air cooled, discharge pressure 80-200 PSIG, receiver capacity as noted, splash lubricated, tank mounted.			
22 15 19 13-0012	EA	1-1/2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 5.0 ACFM, 80-200 PSIG Discharge Pressure.....	2,549.40 368.29
22 15 19 13-0013	EA	2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 7.0 ACFM, 80-200 PSIG Discharge Pressure.....	2,751.11 433.31
22 15 19 13-0014	EA	3 HP 2-Stage Air Compressor, 60 Gallon Receiver, 12 ACFM, 80-200 PSIG Discharge Pressure .....	2,883.06 472.70
22 15 19 13-0015	EA	5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 15 ACFM, 80-200 PSIG Discharge Pressure .....	3,326.02 630.27
22 15 19 13-0016	EA	5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 16.5 ACFM, 80-200 PSI Max Discharge Pressure .....	3,567.25 630.27
22 15 19 13-0017	EA	7.5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 19.8 ACFM, 80-200 PSIG Discharge Pressure .....	3,871.71 787.84
22 15 19 13-0018	EA	7.5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 25.6 ACFM, 80-200 PSI Max Discharge Pressure .....	4,090.50 787.84
22 15 19 13-0019	EA	10 HP 2-Stage Air Compressor, 80 Gallon Receiver, 35.0 ACFM, 80-200 PSI Max Discharge Pressure .....	5,235.15 974.46
22 15 19 13-0020	EA	10 HP 2-Stage Air Compressor, 120 Gallon Receiver, 38 ACFM, 80-200 PSIG Discharge Pressure .....	5,631.63 1,003.98
22 15 19 13-0021	EA	15 HP 2-Stage Air Compressor, 120 Gallon Receiver, 50 ACFM, 80-200 PSIG Discharge Pressure .....	6,079.99 1,173.36
22 15 19 13-0022	EA	20 HP 2-Stage Air Compressor, 120 Gallon Receiver, 70 ACFM, 80-200 PSIG Discharge Pressure .....	9,000.48 1,328.21
22 15 19 13-0023	EA	25 HP 2-Stage Air Compressor, 120 Gallon Receiver, 84.4 ACFM, 175 PSI Max Discharge Pressure .....	9,696.27 1,500.84
22 15 19 13-0024	EA	30 HP 2-Stage Air Compressor, 120 Gallon Receiver, 97.2 ACFM, 175 PSI Max Discharge Pressure .....	10,801.86 1,658.76
22 15 19 13-0025	EA	30 HP 2-Stage Air Compressor, 250 Gallon Receiver, 101 ACFM, 175 PSI Max Discharge Pressure .....	11,756.18 1,817.92

### 22 15 19 19 General Service Packaged Rotary-Screw Air Compressors (22 15 19)

22 15 19 19-0001		Rotary Screw Air Compressor, Base Mounted Without Receiver <small>(22 15 19 19)</small>	
Note: Oil flooded.			
22 15 19 19-0002	EA	3 HP, 8.5 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated .....	4,393.36 580.22
22 15 19 19-0003	EA	5 HP, 16.6 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated .....	4,959.09 773.64
22 15 19 19-0004	EA	7.5 HP, 27 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated .....	6,347.24 969.96
22 15 19 19-0005	EA	10 HP, 37 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated .....	7,403.97 1,236.07
22 15 19 19-0006	EA	15 HP, 56 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated .....	8,476.83 1,454.20
22 15 19 19-0007	EA	20 HP, 79 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated .....	10,234.12 1,635.98
22 15 19 19-0008	EA	25 HP, 114 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated .....	11,231.83 1,817.76
22 15 19 19-0009	EA	30 HP, 137 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated .....	13,428.95 2,035.88
22 15 19 19-0010	EA	40 HP, 183 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated .....	14,736.53 2,181.30
22 15 19 19-0011	EA	50 HP, 214 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated .....	16,499.03 2,350.71
22 15 19 19-0012	EA	60 HP, 256 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated .....	21,215.76 2,544.86
22 15 19 19-0013	EA	75 HP, 320 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated .....	23,482.64 2,690.28
22 15 19 19-0014	EA	100 HP, 494 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	37,089.18 2,908.41
22 15 19 19-0015	EA	125 HP, 592 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	46,062.83 3,144.72
22 15 19 19-0016	EA	150 HP, 695 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	53,390.73 3,384.66
22 15 19 19-0017	EA	220 HP, 996 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	69,127.10 3,635.51
22 15 19 19-0018	EA	250 HP, 1,000 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	78,428.17 3,868.18

22 15 19 19-0019		Rotary Screw Air Compressor, Base Mounted With Receiver <small>(22 15 19 19)</small>	
Note: Includes receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.			
22 15 19 19-0020	EA	5 HP, 18.5 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated.....	5,505.50 773.64
22 15 19 19-0021	EA	5 HP, 18.5 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated.....	5,828.64 773.64
22 15 19 19-0022	EA	7.5 HP, 28 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	6,604.18 969.96
22 15 19 19-0023	EA	7.5 HP, 28 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	6,957.61 969.96
22 15 19 19-0024	EA	10 HP, 38 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	7,545.34 1,236.07
22 15 19 19-0025	EA	10 HP, 38 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	7,918.97 1,236.07
22 15 19 19-0026	EA	15 HP, 55 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	8,593.52 1,454.20
22 15 19 19-0027	EA	15 HP, 55 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	8,997.44 1,454.20
22 15 19 19-0028	EA	20 HP, 75 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	14,488.74 1,635.98



<b>Plumbing</b>	<b>22</b>	<b>22</b>
<b>Plumbing Piping</b>	<b>22 10</b>	
<b>General Service Compressed-Air Systems</b>	<b>22 15</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 19 19-0029 EA 25 HP, 102 SCFM, 120 gallon receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	15,637.92	1,817.76
22 15 19 19-0030 EA 30 HP, 125 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	16,686.12	2,035.88

## 22 30 Plumbing Equipment <sup>(22)</sup>

### 22 31 Domestic Water Softeners <sup>(22 30)</sup>

**22 31 13 Residential Domestic Water Softeners <sup>(22 31)</sup>**  
See CSI section 11 30 13 13-0109 for residential water softener.

**22 31 16 Commercial Domestic Water Softeners <sup>(22 31)</sup>**

22 31 16 00-0001 Commercial Water Softeners (Watts Pure Water) <sup>(22 31 16)</sup>

22 31 16 00-0002 Commercial Water Softeners (Watts Pure Water) <sup>(22 31 16 00-0001)</sup>

22 31 16 00-0003 1" Pipe Connection, Commercial Water Softeners (Watts Pure Water) <sup>(22 31 16 00-0002)</sup>

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0004 EA 30,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111A11) .....	2,899.21	179.27
22 31 16 00-0005 EA 45,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111B11) .....	3,030.44	187.41
22 31 16 00-0006 EA 60,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111C11) .....	3,272.88	195.56
22 31 16 00-0007 EA 90,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111D11) .....	3,773.59	203.71
22 31 16 00-0008 EA 120,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111E11) .....	4,023.43	211.87

22 31 16 00-0009 1-1/2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) <sup>(22 31 16 00-0002)</sup>

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0010 EA 60,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121C11) .....	4,364.03	195.56
22 31 16 00-0011 EA 90,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121D11) .....	4,590.41	203.71
22 31 16 00-0012 EA 120,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121E11) .....	4,841.49	211.87
22 31 16 00-0013 EA 150,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121F11) .....	5,762.35	220.01
22 31 16 00-0014 EA 210,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121G11) .....	6,410.11	228.16
22 31 16 00-0015 EA 300,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121H11) .....	7,816.62	236.31

22 31 16 00-0016 2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) <sup>(22 31 16 00-0002)</sup>

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0017 EA 90,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D11) .....	6,654.10	203.71
22 31 16 00-0018 EA 120,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E11) .....	6,896.53	211.87
22 31 16 00-0019 EA 150,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F11) .....	7,819.86	220.01
22 31 16 00-0020 EA 210,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G11) .....	8,467.61	228.16
22 31 16 00-0021 EA 300,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H11) .....	9,950.75	236.31
22 31 16 00-0022 EA 450,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I11) .....	13,144.12	244.46
22 31 16 00-0023 EA 600,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J11) .....	15,385.99	252.60

22 31 16 00-0024 3" Pipe Connection, Commercial Water Softeners (Watts Pure Water) <sup>(22 31 16 00-0002)</sup>

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0025 EA 300,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H11) .....	16,159.10	236.31
22 31 16 00-0026 EA 450,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I11) .....	18,676.53	244.46
22 31 16 00-0027 EA 600,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J11) .....	20,888.74	252.60
22 31 16 00-0028 EA 900,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K11) .....	26,316.34	260.75

<b>22</b>	<b>Plumbing</b>
<b>22 30</b>	<b>Plumbing Equipment</b>
<b>22 31</b>	<b>Domestic Water Softeners</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0029 EA 1050,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L11).....	29,145.18	268.90
<b>22 31 16 00-0030 Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0001)</b>		
<b>22 31 16 00-0031 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0030)</b> Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0032 EA 90,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D21) .....	10,929.57	305.57
22 31 16 00-0033 EA 120,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E21) .....	11,414.95	317.79
22 31 16 00-0034 EA 150,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F21).....	13,007.54	330.02
22 31 16 00-0035 EA 210,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G21) .....	14,226.94	342.24
22 31 16 00-0036 EA 300,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H21) .....	17,385.23	354.46
22 31 16 00-0037 EA 450,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I21).....	23,061.96	366.68
22 31 16 00-0038 EA 600,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J21).....	27,159.40	378.90
<b>22 31 16 00-0039 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0030)</b> Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0040 EA 300,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H21) .....	29,698.14	354.46
22 31 16 00-0041 EA 450,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I21).....	34,129.24	366.68
22 31 16 00-0042 EA 600,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J21) .....	38,363.85	378.90
22 31 16 00-0043 EA 900,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K21) .....	48,841.41	391.13
22 31 16 00-0044 EA 1,050,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L21).....	54,541.63	403.35
<b>22 31 16 00-0045 Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0001)</b>		
<b>22 31 16 00-0046 1" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0045)</b> Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0047 EA 30,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21) .....	3,802.63	268.90
22 31 16 00-0048 EA 45,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21) .....	4,056.92	281.12
22 31 16 00-0049 EA 60,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21) .....	4,428.61	293.34
22 31 16 00-0050 EA 90,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21) .....	5,327.96	305.57
22 31 16 00-0051 EA 120,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21).....	5,898.61	317.79
<b>22 31 16 00-0052 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0045)</b> Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0053 EA 60,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21).....	7,509.31	293.34
22 31 16 00-0054 EA 90,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21).....	7,919.31	305.57
22 31 16 00-0055 EA 120,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21) .....	8,527.03	317.79
22 31 16 00-0056 EA 150,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21) .....	9,769.91	330.02
22 31 16 00-0057 EA 210,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21).....	11,031.32	342.24
22 31 16 00-0058 EA 300,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21).....	13,832.48	354.46

## 22 32 Domestic Water Filtration Equipment (22 30)

### 22 32 16 Domestic-Water Freestanding Cartridge Filters (22 32)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 32 16 00-0001</b> Commercial Water Filters Housings <small>(22 32 16)</small>		
<b>22 32 16 00-0002</b> Commercial Multi-Cartridge Stainless Steel Water Filter Housings <small>(22 32 16 00-0001)</small>		
<b>22 32 16 00-0003</b> Commercial Multi-Cartridge Stainless Steel Water Filter Housings <small>(22 32 16 00-0002)</small>		
22 32 16 00-0004 EA 25 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X1) .....	1,502.94	118.15
22 32 16 00-0005 EA 30 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X1) .....	1,532.24	127.25
22 32 16 00-0006 EA 60 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X2) .....	1,630.75	136.33
22 32 16 00-0007 EA 90 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X3) .....	1,805.86	145.42
22 32 16 00-0008 EA 120 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X4) .....	1,859.87	154.51
22 32 16 00-0009 EA 150 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X4) .....	2,256.18	163.60
22 32 16 00-0010 EA 250 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X3) .....	6,359.72	172.69
22 32 16 00-0011 EA 300 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X4) .....	7,399.85	181.77
22 32 16 00-0012 EA 500 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X3) .....	9,397.69	190.86
22 32 16 00-0013 EA 600 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X4) .....	10,425.46	199.96
<b>22 32 16 00-0014</b> Commercial Water Filter Cartridges <small>(22 32 16 00-0002)</small>		
<b>22 32 16 00-0015</b> (Depth) Water Filter Cartridges <small>(22 32 16 00-0014)</small>		
22 32 16 00-0016 EA 50 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M50) .....	7.54	1.45
22 32 16 00-0017 EA 20 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M20) .....	7.54	1.45
22 32 16 00-0018 EA 10 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M10) .....	7.54	1.45
22 32 16 00-0019 EA 5 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M5) .....	6.31	1.45
22 32 16 00-0020 EA 1 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M1) .....	7.85	1.45
22 32 16 00-0021 EA 50 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M50) .....	7.85	1.45
22 32 16 00-0022 EA 20 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M20) .....	8.47	1.45
22 32 16 00-0023 EA 5 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Big Pure Water PWMB20M5) .....	10.63	1.45
22 32 16 00-0024 EA 1 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M1) .....	8.47	1.45
22 32 16 00-0025 EA 50 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M50) .....	10.02	1.45
22 32 16 00-0026 EA 20 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M20) .....	10.02	1.45
22 32 16 00-0027 EA 5 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M5) .....	10.02	1.45
22 32 16 00-0028 EA 1 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M1) .....	10.94	1.45
22 32 16 00-0029 EA 50 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M50) .....	14.34	1.45
22 32 16 00-0030 EA 20 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M20) .....	13.10	1.45
22 32 16 00-0031 EA 5 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M5) .....	13.10	1.45
22 32 16 00-0032 EA 1 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M1) .....	14.34	1.45
<b>22 32 16 00-0033</b> Pleated Water Filter Cartridges <small>(22 32 16 00-0014)</small>		
22 32 16 00-0034 EA 50 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M50) .....	13.41	1.45
22 32 16 00-0035 EA 20 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M20) .....	13.41	1.45
22 32 16 00-0036 EA 5 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M5) .....	13.72	1.45
22 32 16 00-0037 EA 1 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1) .....	14.65	1.45
22 32 16 00-0038 EA 1 Micron Absolute, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1AB) .....	22.06	1.45
22 32 16 00-0039 EA 50 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M50) .....	21.14	1.45
22 32 16 00-0040 EA 20 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M20) .....	21.14	1.45
22 32 16 00-0041 EA 5 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Big Pure Water PWPL20M5) .....	21.14	1.45
22 32 16 00-0042 EA 1 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1) .....	27.93	1.45
22 32 16 00-0043 EA 1 Micron Absolute, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1AB) .....	39.67	1.45
22 32 16 00-0044 EA 50 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M50) .....	33.19	1.45
22 32 16 00-0045 EA 20 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M20) .....	46.16	1.45
22 32 16 00-0046 EA 5 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M5) .....	48.01	1.45
22 32 16 00-0047 EA 1 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M1) .....	54.19	1.45
<b>22 32 16 00-0048</b> Commercial Non-Metallic Water Filter Housings <small>(22 32 16 00-0001)</small>		
<b>22 32 16 00-0049</b> Commercial Non-Metallic Water Filter Housings <small>(22 32 16 00-0048)</small>		
22 32 16 00-0050 EA 150 GPM Max Flow Rate, 1 Cartridge, Commercial Non-Metallic Water Filter Housing (Watts Big Bubba® PWWJCHSG) .....	1,182.63	109.06
<b>22 32 16 00-0051</b> Commercial Water Filter Cartridges <small>(22 32 16 00-0048)</small>		
<b>22 32 16 00-0052</b> Carbon Water Filter Cartridges <small>(22 32 16 00-0051)</small>		
22 32 16 00-0053 EA Activated 26-1/4" Length, Carbon Water Filter Cartridge (Watts Big Bubba® PWWJCAC5) .....	387.84	1.45
<b>22 32 16 00-0054</b> (Depth) Water Filter Cartridges <small>(22 32 16 00-0051)</small>		
22 32 16 00-0055 EA 50 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB50) .....	80.45	1.45
22 32 16 00-0056 EA 20 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB20) .....	79.83	1.45

**22 Plumbing****22 30 Plumbing Equipment****22 32 Domestic Water Filtration Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 32 16 00-0057 EA 5 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB5).....	79.83	1.45
22 32 16 00-0058 EA 1 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB1).....	91.57	1.45
<b>22 32 16 00-0059 Pleated Water Filter Cartridges</b> (22 32 16 00-0051)		
22 32 16 00-0060 EA 150 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCM150) .....	212.99	1.45
22 32 16 00-0061 EA 50 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP50) .....	200.01	1.45
22 32 16 00-0062 EA 20 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP20) .....	217.93	1.45
22 32 16 00-0063 EA 5 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP5) .....	228.43	1.45
22 32 16 00-0064 EA 1 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1) .....	243.26	1.45
22 32 16 00-0065 EA 1 Absolute, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1AB) .....	263.65	1.45
<b>22 33 Electric Domestic Water Heaters</b> (22 30)		
<b>22 33 13 Instantaneous Electric Domestic Water Heaters</b> (22 33)		
<b>22 33 13 13 Flow-Control, Instantaneous Electric Domestic Water Heaters</b> (22 33 13)		
<b>22 33 13 13-0001 Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters</b>		
22 33 13 13-0002 EA 3 To 10 KW Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012, EX48, EX65, EX75, EX95) .....	313.10	35.40
22 33 13 13-0003 EA 7.2 KW, 0.75 GPM, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch RP7P) .....	348.31	35.40
<b>22 33 13 16 Thermostat-Control, Instantaneous Electric Domestic Water Heaters</b> (22 33 13)		
<b>22 33 13 16-0001 Thermostat Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters</b> (22 33 13 16)		
Note: Temperature rise decreases with increased flow rate.		
22 33 13 16-0002 EA 3 To 10 KW Thermostat-Control, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012T, EX48T, EX65T, EX75T, EX95T, EX012240T) .....	415.66	53.11
22 33 13 16-0003 EA 12 KW, 2.0 GPM, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE12) .....	442.46	70.81
22 33 13 16-0004 EA 17.25 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE115) .....	749.51	123.92
22 33 13 16-0005 EA 26.85 KW, 4.0 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE125) .....	1,135.82	141.62
22 33 13 16-0006 EA 12 KW, 1.6 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 12 Plus) .....	842.94	70.81
22 33 13 16-0007 EA 14.4 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 15 Plus) .....	1,151.58	106.21
22 33 13 16-0008 EA 19.2 KW, 2.8 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 20 Plus) .....	1,268.33	141.62
22 33 13 16-0009 EA 24 KW, 3.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 24 Plus) .....	1,316.97	141.62
22 33 13 16-0010 EA 28.8 KW, 4.5 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 29 Plus) .....	1,362.92	141.62
22 33 13 16-0011 EA 36 KW, 4.5 GPM At 55 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Temptra 36 Plus) .....	1,430.48	141.62
<b>22 33 30 Residential, Electric Domestic Water Heaters</b> (22 33)		
<b>22 33 30 13 Residential, Small-Capacity Electric Domestic Water Heaters</b> (22 33 30)		
<b>22 33 30 13-0001 Small-Capacity, Electric Domestic Water Heaters (A.O. Smith ProMax)</b> (22 33 30 13)		
Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 13-0002 EA 2 Gallon, Small-Capacity, Electric Domestic Water Heater .....	579.72	111.52
22 33 30 13-0003 EA 10 Gallon, Small-Capacity, Electric Domestic Water Heater .....	712.79	118.61
22 33 30 13-0004 EA 20 Gallon, Small-Capacity, Electric Domestic Water Heater .....	842.33	123.92
<b>22 33 30 16 Residential, Storage Electric Domestic Water Heaters</b> (22 33 30)		
<b>22 33 30 16-0001 Electric Domestic Water Heaters (A.O. Smith ProMax)</b> (22 33 30 16)		
Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0002 EA 30 Gallon, Electric Domestic Water Heater .....	900.45	123.92
22 33 30 16-0003 EA 40 Gallon, Electric Domestic Water Heater .....	846.43	127.46
22 33 30 16-0004 EA 50 Gallon, Electric Domestic Water Heater .....	832.70	130.99
22 33 30 16-0005 EA 55 Gallon, Electric Domestic Water Heater .....	930.27	132.77
22 33 30 16-0006 EA 66 Gallon, Electric Domestic Water Heater .....	1,354.66	136.31
22 33 30 16-0007 EA 80 Gallon, Electric Domestic Water Heater .....	1,380.14	141.62
22 33 30 16-0008 EA 120 Gallon, Electric Domestic Water Heater .....	1,838.06	150.47
<b>22 33 30 16-0009 Low-Boy, Electric Domestic Water Heaters (A.O. Smith ProMax)</b> (22 33 30 16)		
Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0010 EA 30 Gallon, Low-Boy, Electric Domestic Water Heater .....	967.19	123.92



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 30 16-0011 EA 40 Gallon, Low-Boy, Electric Domestic Water Heater.....	920.76	127.46
22 33 30 16-0012 EA 50 Gallon, Low-Boy, Electric Domestic Water Heater.....	975.40	130.99
<b>22 33 30 16-0013 High Efficiency, Electric Domestic Water Heaters (A.O. Smith Conservationist) (22 33 30 16)</b>		
Note: Includes .95 energy factor glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 16-0014 EA 40 Gallon, High Efficiency, Electric Domestic Water Heater.....	998.72	127.46
22 33 30 16-0015 EA 50 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,091.34	130.99
22 33 30 16-0016 EA 66 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,344.18	136.31
22 33 30 16-0017 EA 80 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,461.82	141.62
<b>22 33 30 16-0018 Water Heater Accessories (22 33 30 16)</b>		
22 33 30 16-0019 EA 2 Gallon, Expansion Pressure Tank For Water Heaters.....	76.66	7.08
22 33 30 16-0020 EA 4.4 Gallon, Expansion Pressure Tank For Water Heaters.....	90.61	7.08
22 33 30 16-0021 EA 7.6 Gallon, Expansion Pressure Tank For Water Heaters.....	176.76	7.08
22 33 30 16-0022 EA 14 Gallon, Expansion Pressure Tank For Water Heaters.....	237.39	7.08
22 33 30 16-0023 EA 20" Diameter, 3" Deep, Aluminum Water Heater Drain Pan.....	42.98	5.31
22 33 30 16-0024 EA 22" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan.....	46.88	5.31
22 33 30 16-0025 EA 24" Diameter, 3" Deep, Aluminum Water Heater Drain Pan.....	49.48	5.31
22 33 30 16-0026 EA 26" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan.....	58.58	5.31
22 33 30 16-0027 EA 22" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	23.42	5.31
22 33 30 16-0028 EA 24" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	25.50	5.31
22 33 30 16-0029 EA 26" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	28.43	5.31
22 33 30 16-0030 EA 28" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	32.19	5.31
<b>22 33 30 23 Residential, Collector-To-Tank, Solar-Electric Domestic Water Heaters (22 33 30)</b>		
<b>22 33 30 23-0001 Solar Electric Domestic Water Heaters (A.O. Smith CIRREX) (22 33 30 23)</b>		
Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 23-0002 EA 80 Gallon, Solar Electric Domestic Water Heater.....	2,272.34	141.62
22 33 30 23-0003 EA 120 Gallon, Solar Electric Domestic Water Heater.....	2,724.63	150.47
<b>22 33 33 Light-Commercial Electric Domestic Water Heaters (22 33)</b>		
<b>22 33 33 00-0001 Standard Duty Electric Commercial Water Heaters (A.O. Smith DEL And DEN) (22 33 33)</b>		
Note: Includes glass lined tank, drain valve, and temperature and pressure relief valve.		
22 33 33 00-0002 EA Up To 2.5 KW, 6 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-6S).....	1,188.97	123.92
22 33 33 00-0003 EA Up To 6 KW, 10 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-10S).....	1,284.61	123.92
22 33 33 00-0004 EA Up To 6 KW, 20 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-20S).....	1,391.36	141.62
22 33 33 00-0005 EA Up To 12 KW, 30 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-30D).....	2,484.38	141.62
22 33 33 00-0006 EA Up To 12 KW, 40 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-40D).....	2,858.81	177.02
22 33 33 00-0007 EA Up To 12 KW, 50 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-50D).....	3,157.34	212.43
22 33 33 00-0008 EA Up To 12 KW, 80 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-80D).....	3,371.07	318.64
<b>22 33 33 00-0009 Heavy Duty Electric Commercial Water Heaters (A.O. Smith DSE) (22 33 33)</b>		
Note: Includes glass lined tank, ASME tank construction, drain valve, and temperature and pressure relief valve.		
22 33 33 00-0010 EA 3 KW, 5 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-5-3).....	4,574.31	123.92
22 33 33 00-0011 EA 3 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-3).....	4,756.48	123.92
22 33 33 00-0012 EA 6 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-6).....	4,953.83	123.92
22 33 33 00-0013 EA 3 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-3).....	4,989.23	141.62
22 33 33 00-0014 EA 6 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-6).....	5,216.95	141.62
22 33 33 00-0015 EA 9 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-9).....	5,581.29	141.62
22 33 33 00-0016 EA 12 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-12).....	5,824.18	141.62
22 33 33 00-0017 EA 15 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-15).....	6,021.53	141.62
22 33 33 00-0018 EA 18 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-18).....	6,234.07	141.62
22 33 33 00-0019 EA 6 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-6).....	5,444.66	141.62
22 33 33 00-0020 EA 9 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-9).....	5,657.19	141.62
22 33 33 00-0021 EA 12 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-12).....	5,900.09	141.62
22 33 33 00-0022 EA 15 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-15).....	6,097.44	141.62
22 33 33 00-0023 EA 18 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-18).....	6,309.97	141.62
22 33 33 00-0024 EA 24 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-24).....	7,873.60	141.62
22 33 33 00-0025 EA 9 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-9).....	5,925.35	177.02
22 33 33 00-0026 EA 12 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-12).....	6,122.71	177.02
22 33 33 00-0027 EA 15 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-15).....	6,365.60	177.02
22 33 33 00-0028 EA 18 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-18).....	6,578.13	177.02
22 33 33 00-0029 EA 24 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-24).....	8,156.95	177.02
22 33 33 00-0030 EA 30 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-30).....	8,885.63	177.02
22 33 33 00-0031 EA 36 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-36).....	9,599.13	177.02
22 33 33 00-0032 EA 9 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-9).....	6,846.29	212.43
22 33 33 00-0033 EA 12 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-12).....	7,043.65	212.43
22 33 33 00-0034 EA 15 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-15).....	7,241.00	212.43
22 33 33 00-0035 EA 18 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-18).....	7,453.53	212.43
22 33 33 00-0036 EA 24 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-24).....	9,077.89	212.43



<b>22</b>	<b>Plumbing</b>
<b>22 30</b>	<b>Plumbing Equipment</b>
<b>22 33</b>	<b>Electric Domestic Water Heaters</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 33 33 00-0037	EA	30 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-30)	9,806.57	212.43
22 33 33 00-0038	EA	36 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-36)	10,520.07	212.43
22 33 33 00-0039	EA	45 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-45)	11,810.45	212.43
22 33 33 00-0040	EA	54 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-54)	12,387.32	212.43
22 33 33 00-0041	EA	60 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-60)	14,391.20	212.43
22 33 33 00-0042	EA	75 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-75)	16,971.96	212.43
22 33 33 00-0043	EA	90 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-90)	21,313.69	212.43
22 33 33 00-0044	EA	9 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-9)	7,686.24	283.23
22 33 33 00-0045	EA	12 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-12)	7,913.95	283.23
22 33 33 00-0046	EA	15 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-15)	8,126.48	283.23
22 33 33 00-0047	EA	18 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-18)	8,308.65	283.23
22 33 33 00-0048	EA	24 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-24)	9,917.83	283.23
22 33 33 00-0049	EA	30 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-30)	10,646.51	283.23
22 33 33 00-0050	EA	36 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-36)	11,344.83	283.23
22 33 33 00-0051	EA	45 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-45)	12,665.57	283.23
22 33 33 00-0052	EA	54 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-54)	13,227.26	283.23
22 33 33 00-0053	EA	60 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-60)	15,246.32	283.23
22 33 33 00-0054	EA	75 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-75)	17,842.26	283.23
22 33 33 00-0055	EA	90 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-90)	22,168.81	283.23
22 33 33 00-0056	EA	12 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-12)	8,592.00	318.64
22 33 33 00-0057	EA	15 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-15)	8,804.53	318.64
22 33 33 00-0058	EA	18 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-18)	8,986.70	318.64
22 33 33 00-0059	EA	24 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-24)	10,611.06	318.64
22 33 33 00-0060	EA	30 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-30)	11,263.83	318.64
22 33 33 00-0061	EA	36 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-36)	12,022.88	318.64
22 33 33 00-0062	EA	45 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-45)	13,343.62	318.64
22 33 33 00-0063	EA	54 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-54)	13,920.49	318.64
22 33 33 00-0064	EA	60 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-60)	15,818.10	318.64
22 33 33 00-0065	EA	75 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-75)	18,520.30	318.64
22 33 33 00-0066	EA	90 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-90)	22,846.86	318.64
22 33 33 00-0067	EA	15 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-15)	9,664.74	354.04
22 33 33 00-0068	EA	18 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-18)	9,907.63	354.04
22 33 33 00-0069	EA	24 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-24)	11,486.44	354.04
22 33 33 00-0070	EA	30 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-30)	12,215.13	354.04
22 33 33 00-0071	EA	36 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-36)	12,928.63	354.04
22 33 33 00-0072	EA	45 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-45)	14,219.01	354.04
22 33 33 00-0073	EA	54 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-54)	14,811.06	354.04
22 33 33 00-0074	EA	60 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-60)	16,799.76	354.04
22 33 33 00-0075	EA	75 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-75)	19,380.51	354.04
22 33 33 00-0076	EA	90 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-90)	23,737.43	354.04
22 33 33 00-0077	EA	15 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-15)	10,352.88	424.85
22 33 33 00-0078	EA	18 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-18)	10,565.41	424.85
22 33 33 00-0079	EA	24 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-24)	12,144.22	424.85
22 33 33 00-0080	EA	30 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-30)	12,842.55	424.85
22 33 33 00-0081	EA	36 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-36)	13,586.41	424.85
22 33 33 00-0082	EA	45 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-45)	14,876.79	424.85
22 33 33 00-0083	EA	54 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-54)	15,423.30	424.85
22 33 33 00-0084	EA	60 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-60)	17,472.72	424.85
22 33 33 00-0085	EA	75 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-75)	20,068.65	424.85
22 33 33 00-0086	EA	90 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-90)	24,380.03	424.85

### 22 33 33 00-0087 Water Heater Accessories (22 33 33)

22 33 33 00-0088	EA	Up To 80 Gallon Water Heater Strap	27.85	
Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carriage Bolts (2) 3/8" Hex Nuts				
22 33 33 00-0089	EA	>80 To 120 Gallon Water Heater Strap	40.62	
Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carriage Bolts (2) 3/8" Hex Nuts				

### 22 33 33 00-0090 Removal And Reinstallation Of Water Heater (22 33 33)

Note: Includes storage and cleaning.				
22 33 33 00-0091	EA	Removal And Reinstallation Of Water Heater Electric, Up To 82 Gallon	236.03	
22 33 33 00-0092	EA	Removal And Reinstallation Of Water Heater Electric, 83 Gallon To 200 Gallon	708.08	

## 22 34 Fuel-Fired Domestic Water Heaters (22 30)

### 22 34 13 Instantaneous, Tankless, Gas Domestic Water Heaters (22 34)

#### 22 34 13 00-0001 Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13)

#### 22 34 13 00-0002 Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13)

Note: Includes vent connection. Excludes vent.

22 34 13 00-0003	EA	4.2 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-42PVN)	1,266.50	141.62
22 34 13 00-0004	EA	5.3 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53PVN)	1,373.05	143.39
22 34 13 00-0005	EA	5.3 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53DVN)	1,511.25	146.93
22 34 13 00-0006	EA	6.6 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-66DVN)	1,771.02	150.47
22 34 13 00-0007	EA	7.4 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74PVN)	2,155.96	159.32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 13 00-0008 EA 7.4 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74DVN).....	2,202.78	159.32
<b>22 34 13 00-0009 Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13 00-0001)</b>		
22 34 13 00-0010 EA 5.3 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53XN).....	1,369.51	141.62
22 34 13 00-0011 EA 7.4 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74XN).....	2,155.96	159.32
<b>22 34 30 Residential Gas Domestic Water Heaters (22 34)</b>		
<b>22 34 30 13 Residential, Atmospheric, Gas Domestic Water Heaters (22 34 30)</b>		
<b>22 34 30 13-0001 Atmospheric, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 13)</b> Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 13-0002 EA 30 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-30) .....	941.43	136.31
22 34 30 13-0003 EA 40 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-40) .....	923.25	139.84
22 34 30 13-0004 EA 50 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCVX-50).....	1,238.01	143.39
22 34 30 13-0005 EA 65 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-65) .....	1,341.79	146.93
22 34 30 13-0006 EA 75 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-75) .....	1,467.71	150.47
22 34 30 13-0007 EA 100 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-100).....	2,185.60	159.32
<b>22 34 30 16 Residential, Direct-Vent, Gas Domestic Water Heaters (22 34 30)</b>		
<b>22 34 30 16-0001 Direct-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 16)</b> Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 16-0002 EA 40 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-40) .....	1,747.70	139.84
22 34 30 16-0003 EA 50 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-50) .....	1,996.09	143.39
22 34 30 16-0004 EA 75 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-75) .....	2,605.56	146.93
<b>22 34 30 19 Residential, Power-Vent, Gas Domestic Water Heaters (22 34 30)</b>		
<b>22 34 30 19-0001 Power-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 19)</b> Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 19-0002 EA 40 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-40) .....	1,584.71	139.84
22 34 30 19-0003 EA 50 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-50) .....	1,651.24	143.39
<b>22 34 36 Commercial Gas Domestic Water Heaters (22 34)</b>		
<b>22 34 36 13 Commercial, Atmospheric, Gas Domestic Water Heaters (22 34 36)</b>		
<b>22 34 36 13-0001 Gas Fired Commercial Water Heaters (A.O. Smith BTR) (22 34 36 13)</b> Note: Includes automatic flue damper, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 13-0002 EA 120 MBH Input, 71 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-120) .....	4,475.13	212.43
22 34 36 13-0003 EA 154 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-154) .....	4,770.41	247.83
22 34 36 13-0004 EA 180 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-180) .....	5,909.87	283.23
22 34 36 13-0005 EA 199 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-199) .....	5,099.84	283.23
22 34 36 13-0006 EA 199 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200) .....	5,876.78	283.23
22 34 36 13-0007 EA 199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200A).....	7,858.10	311.56
22 34 36 13-0008 EA 250 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250) .....	5,677.17	318.64
22 34 36 13-0009 EA 250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250A).....	8,459.65	350.50
22 34 36 13-0010 EA 251 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251) .....	5,766.94	318.64
22 34 36 13-0011 EA 251 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251A).....	8,064.23	350.50
22 34 36 13-0012 EA 275 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275) .....	6,378.78	389.45
22 34 36 13-0013 EA 275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275A).....	8,807.79	428.40
22 34 36 13-0014 EA 305 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305) .....	7,190.99	389.45
22 34 36 13-0015 EA 305 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305A).....	8,861.22	428.40
22 34 36 13-0016 EA 365 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365) .....	6,941.23	424.85
22 34 36 13-0017 EA 365 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365A).....	9,783.38	467.34
22 34 36 13-0018 EA 390 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400) .....	8,854.14	424.85
22 34 36 13-0019 EA 390 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400A).....	11,621.53	467.34
22 34 36 13-0020 EA 500 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-500) .....	11,575.31	460.25
22 34 36 13-0021 EA 150 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151) .....	5,774.94	247.83
22 34 36 13-0022 EA 150 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151A) .....	6,935.94	272.61
22 34 36 13-0023 EA 199 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201) .....	5,995.36	283.23
22 34 36 13-0024 EA 199 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201A) .....	7,195.51	311.56

**22 Plumbing****22 30 Plumbing Equipment****22 34 Fuel-Fired Domestic Water Heaters**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 13-0025 EA Sidewall Power Vent System For BTR-120 through BTR-200.....	1,422.68	177.02
22 34 36 13-0026 EA Sidewall Power Vent System For BTR-250 through BTR-500.....	1,561.61	177.02
<b>22 34 36 13-0027 Removal And Reinstallation Of Water Heater (22 34 36 13)</b> Note: Includes storage and cleaning.		
22 34 36 13-0028 EA Removal And Reinstallation Of Water Heater Gas Fired, Up To 86 Gallon .....	321.86	
22 34 36 13-0029 EA Removal And Reinstallation Of Water Heater Gas Fired, 87 Gallon To 200 Gallon.....	851.07	
<b>22 34 36 19 Commercial, Power-Vent, Gas Domestic Water Heaters (22 34 36)</b>		
<b>22 34 36 19-0001 Induced Draft Blower Gas Fired Commercial Water Heaters (A.O. Smith BTN) (22 34 36 19)</b> Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 19-0002 EA 90 MBH Input, 98 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-100).....	3,630.87	212.43
22 34 36 19-0003 EA 120 MBH Input, 71 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-120).....	5,223.21	212.43
22 34 36 19-0004 EA 154 MBH Input, 81 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-154).....	6,373.40	247.83
22 34 36 19-0005 EA 180 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-180).....	6,625.89	283.23
22 34 36 19-0006 EA 199 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-199).....	6,657.95	283.23
22 34 36 19-0007 EA 199 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200).....	6,807.57	283.23
22 34 36 19-0008 EA 199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200A).....	7,997.03	311.56
22 34 36 19-0009 EA 250 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250).....	7,508.90	318.64
22 34 36 19-0010 EA 250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250A).....	9,250.48	350.50
22 34 36 19-0011 EA 275 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275).....	7,853.57	389.45
22 34 36 19-0012 EA 275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275A).....	9,641.37	428.40
22 34 36 19-0013 EA 310 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310).....	8,024.56	389.45
22 34 36 19-0014 EA 310 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310A).....	9,748.24	428.40
22 34 36 19-0015 EA 366 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366).....	9,003.76	424.85
22 34 36 19-0016 EA 366 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366A).....	10,595.58	467.34
22 34 36 19-0017 EA 390 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400).....	10,938.09	424.85
22 34 36 19-0018 EA 390 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400A).....	12,626.10	467.34
<b>22 34 36 19-0019 Condensing Gas Fired Commercial Water Heaters (A.O. Smith BTX And BTH) (22 34 36 19)</b> Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 19-0020 EA 76 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-80).....	2,797.29	212.43
22 34 36 19-0021 EA 100 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-100).....	3,780.48	212.43
22 34 36 19-0022 EA 120 MBH Input, 60 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120).....	4,592.69	212.43
22 34 36 19-0023 EA 120 MBH Input, 60 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120A).....	6,644.31	233.67
22 34 36 19-0024 EA 150 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150).....	6,800.88	247.83
22 34 36 19-0025 EA 150 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150A).....	8,592.41	272.61
22 34 36 19-0026 EA 199 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199).....	6,893.06	283.23
22 34 36 19-0027 EA 199 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199A).....	8,841.29	311.56
22 34 36 19-0028 EA 250 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250).....	7,968.44	318.64
22 34 36 19-0029 EA 250 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250A).....	9,710.01	350.50
22 34 36 19-0030 EA 300 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-300A).....	12,719.20	428.40
22 34 36 19-0031 EA 399.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-400A).....	13,363.49	467.34
22 34 36 19-0032 EA 499.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-500A).....	15,386.39	506.28
<b>22 34 36 23 Commercial, High-Efficiency, Gas Domestic Water Heaters (22 34 36)</b>		
<b>22 34 36 23-0001 Laars Mighty Therm Gas Fired Domestic Hot Water Skid Package (22 34 36 23)</b> Note: Includes (2) Laars Mighty Therm boilers, (2) B&G boiler primary pumps (one per boiler), T&P valve, circuit setter, storage tank (sized for 10 minutes buffer based on 50 degree city water supply, and operating set point for the tank at 130 degrees storage), and all necessary accessories for system monitoring such as gauges and thermometers. UL listed and labeled. Excludes piping insulation or seismic calculations.		



<b>Plumbing</b>	<b>22</b>	<b>22</b>
<b>Plumbing Equipment</b>	<b>22 30</b>	
<b>Fuel-Fired Domestic Water Heaters</b>	<b>22 34</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 23-0002 EA 400 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-400) .....	53,157.39	857.50
22 34 36 23-0003 EA 1,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-1000) .....	64,339.58	911.10
22 34 36 23-0004 EA 2,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-2000) .....	78,252.21	964.69
22 34 36 23-0005 EA 3,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-3000) .....	93,619.28	1,018.29
22 34 36 23-0006 EA 4,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-4000) .....	98,126.00	1,071.88
<b>22 34 36 23-0007 Laars Mighty Therm Volume Water Heater (22 34 36 23)</b>		
22 34 36 23-0008 EA 200 MBH Gas Fired Volume Water Heater (Laars MT2V0200) .....	6,647.84	535.59
22 34 36 23-0009 EA 300 MBH Gas Fired Volume Water Heater (Laars MT2V0300) .....	7,211.81	602.53
22 34 36 23-0010 EA 400 MBH Gas Fired Volume Water Heater (Laars MT2V0400) .....	8,349.18	736.43
22 34 36 23-0011 EA 500 MBH Gas Fired Volume Water Heater (Laars MT2V0500) .....	12,176.45	803.37
22 34 36 23-0012 EA 750 MBH Gas Fired Volume Water Heater (Laars MT2V0750) .....	13,390.62	937.27
22 34 36 23-0013 EA 1,000 MBH Gas Fired Volume Water Heater (Laars MT2V1000) .....	15,317.24	1,071.16
22 34 36 23-0014 EA 1,250 MBH Gas Fired Volume Water Heater (Laars MT2V1250) .....	16,920.11	1,205.06
22 34 36 23-0015 EA 1,500 MBH Gas Fired Volume Water Heater (Laars MT2V1500) .....	20,232.64	1,338.95
22 34 36 23-0016 EA 1,750 MBH Gas Fired Volume Water Heater (Laars MT2V1750) .....	20,993.91	1,405.90
22 34 36 23-0017 EA 2,000 MBH Gas Fired Volume Water Heater (Laars MT2V2000) .....	22,523.16	1,472.85
<b>22 34 36 26 Commercial, Coil-Type, Finned-Tube, Gas Domestic Water Heaters (22 34 36)</b>		
<b>22 34 36 26-0001 Laars Rheos+ 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heaters (22 34 36 26)</b>		
22 34 36 26-0002 EA 1,200 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+) .....	27,836.13	839.52
22 34 36 26-0003 EA 1,600 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+) .....	39,572.03	927.90
22 34 36 26-0004 EA 2,000 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+) .....	42,973.66	972.08
22 34 36 26-0005 EA 2,400 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+) .....	46,537.72	1,060.45
<b>22 34 36 26-0006 Laars Rheos 86% Efficient Gas Fired, Copper Fin Tube LoNox Water Heaters (22 34 36 26)</b>		
22 34 36 26-0007 EA 1,200 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos) .....	24,591.96	839.52
22 34 36 26-0008 EA 1,600 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos) .....	27,167.27	927.90
22 34 36 26-0009 EA 2,000 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos) .....	29,741.42	972.08
22 34 36 26-0010 EA 2,400 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos) .....	32,309.28	1,060.45
<b>22 34 36 26-0011 Laars Pennant 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heaters (22 34 36 26)</b>		
22 34 36 26-0012 EA 200 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant) .....	6,136.44	397.67
22 34 36 26-0013 EA 300 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant) .....	6,746.73	441.85
22 34 36 26-0014 EA 400 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant) .....	7,912.72	530.23
22 34 36 26-0015 EA 500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant) .....	11,350.38	552.32
22 34 36 26-0016 EA 750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant) .....	12,451.80	662.78
22 34 36 26-0017 EA 1,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant) .....	15,378.10	795.34
22 34 36 26-0018 EA 1,250 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant) .....	17,544.11	839.52
22 34 36 26-0019 EA 1,500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant) .....	19,470.63	905.81
22 34 36 26-0020 EA 1,750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant) .....	21,291.74	949.99
22 34 36 26-0021 EA 2,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant) .....	22,898.27	972.08
<b>22 34 36 26-0022 Patterson Kelley Thermific Sealed Combustion, Gas Fired, Copper Fin Tube Water Heaters (22 34 36 26)</b>		
22 34 36 26-0023 EA 700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific) .....	20,696.83	662.78
22 34 36 26-0024 EA 1,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific) .....	22,721.21	795.34
22 34 36 26-0025 EA 1,500 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific) .....	30,542.98	905.81
22 34 36 26-0026 EA 1,700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific) .....	31,448.53	949.99
22 34 36 26-0027 EA 2,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific) .....	32,943.41	972.08
<b>22 34 36 26-0028 Patterson Kelley Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Water Heaters (22 34 36 26)</b>		
22 34 36 26-0029 EA 1,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire) .....	26,300.34	795.34
22 34 36 26-0030 EA 1,500 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire) .....	31,870.43	905.81
22 34 36 26-0031 EA 2,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire) .....	33,810.59	972.08
<b>22 34 46 Oil-Fired Domestic Water Heaters (22 34)</b>		
<b>22 34 46 11 Standard-capacity, Oil-Fired Domestic Water Heaters (22 34 46)</b>		
<b>22 34 46 11-0001 Oil-Fired Domestic Water Heaters (Bock) (22 34 46 11)</b>		
Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		

**22 Plumbing****22 30 Plumbing Equipment****22 34 Fuel-Fired Domestic Water Heaters**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 46 11-0002 EA 60 MBH, 20 Gallon, Oil-Fired Domestic Water Heater (Bock 20E) .....	1,462.10	136.31
22 34 46 11-0003 EA 104 MBH, 32 Gallon, Oil-Fired Domestic Water Heater (Bock 32E) .....	1,441.21	136.31
22 34 46 11-0004 EA 104 MBH, 33 Gallon, Oil-Fired Domestic Water Heater (Bock 33ES) .....	1,508.34	136.31
22 34 46 11-0005 EA 125 MBH, 40 Gallon, Oil-Fired Domestic Water Heater (Bock 40E) .....	1,595.42	139.84
22 34 46 11-0006 EA 140 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 50ES) .....	2,052.10	143.39
22 34 46 11-0007 EA 152 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 51E) .....	1,720.17	143.39

**22 34 46 11-0008 Oil Fired Commercial Water Heaters** (22 34 46 11)

Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection.  
Excludes vent.

22 34 46 11-0009 EA 173 MBH, 68 Gallon, Oil-Fired Commercial Water Heater (Bock 71E) .....	2,375.24	212.43
22 34 46 11-0010 EA 199 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Bock 72E) .....	2,812.24	212.43
22 34 46 11-0011 EA 242 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Bock 73E) .....	2,829.05	212.43
22 34 46 11-0012 EA 190 MBH, 113 Gallon, Oil-Fired Commercial Water Heater (Bock 40E) .....	4,088.71	283.23
22 34 46 11-0013 EA 415 MBH, 91 Gallon, Oil-Fired Commercial Water Heater (Bock 361E) .....	5,629.97	354.04
22 34 46 11-0014 EA 623 MBH, 83 Gallon, Oil-Fired Commercial Water Heater (Bock 541E) .....	7,121.46	389.45

**22 35 Domestic Water Heat Exchangers** (22 30)**22 35 23 Circulating, Domestic Water Heat Exchangers** (22 35)**22 35 23 13 Circulating, Compact Domestic Water Heat Exchangers** (22 35 23)**22 35 23 13-0001 Steam Driven Water Heaters** (22 35 23 13)**22 35 23 13-0002 Constant Flow** (22 35 23 13-0001)

22 35 23 13-0003 EA 30 GPM, 700 LB/Hour Steam Water Heater, Constant Flow .....	7,818.69	354.04
22 35 23 13-0004 EA 90 GPM, 1,250 LB/Hour Steam Water Heater, Constant Flow .....	9,784.85	433.85
22 35 23 13-0005 EA 140 GPM, 2,500 LB/Hour Steam Water Heater, Constant Flow .....	12,511.74	567.39
22 35 23 13-0006 EA 230 GPM, 5,000 LB/Hour Steam Water Heater, Constant Flow .....	16,877.97	790.30
22 35 23 13-0007 EA 500 GPM, 7,500 LB/Hour Steam Water Heater, Constant Flow .....	24,588.51	1,301.61
22 35 23 13-0008 EA 900 GPM, 10,000 LB/Hour Steam Water Heater, Constant Flow .....	26,665.22	1,475.16
22 35 23 13-0009 EA 1,400 GPM, 15,000 LB/Hour Steam Water Heater, Constant Flow .....	35,536.56	1,702.10
22 35 23 13-0010 EA 2,400 GPM, 20,000 LB/Hour Steam Water Heater, Constant Flow .....	42,843.33	2,011.61

**22 35 23 13-0011 Variable Flow** (22 35 23 13-0001)

22 35 23 13-0012 EA 30 GPM, 700 LB/Hour Steam Water Heater, Variable Flow .....	11,412.55	690.39
22 35 23 13-0013 EA 90 GPM, 1,250 LB/Hour Steam Water Heater, Variable Flow .....	12,793.86	842.98
22 35 23 13-0014 EA 140 GPM, 2,500 LB/Hour Steam Water Heater, Variable Flow .....	16,285.99	1,090.03
22 35 23 13-0015 EA 230 GPM, 5,000 LB/Hour Steam Water Heater, Variable Flow .....	21,144.85	1,520.83
22 35 23 13-0016 EA 500 GPM, 7,500 LB/Hour Steam Water Heater, Variable Flow .....	30,915.67	2,543.46
22 35 23 13-0017 EA 900 GPM, 10,000 LB/Hour Steam Water Heater, Variable Flow .....	38,310.78	2,800.98
22 35 23 13-0018 EA 1,400 GPM, 15,000 LB/Hour Steam Water Heater, Variable Flow .....	44,300.28	3,278.17
22 35 23 13-0019 EA 2,400 GPM, 20,000 LB/Hour Steam Water Heater, Variable Flow .....	56,646.23	3,916.44

**22 40 Plumbing Fixtures** (22)

Note: The following Energy Policy Act Flow Rates Requirements superseded flow rates standards listed in section. Plumbing fixtures and trim should not exceed the maximum flow rates set forth in The Energy Policy Act 92. lavatory faucets - 2.5 gal/min, lavatory replacement aerators - 2.5 gal/min, kitchen faucets - 2.5 gal/min, kitchen replacement aerators - 2.5 gal/min, metering faucets - 0.25 gal/cycle, gravity tank-type toilets - 1.6 gal/flush, flushometer tank toilets - 1.6 gal/flush, electromechanical hydraulic toilets - 1.6 gal/flush, blowdown toilets - 3.5 gal/flush, urinals - 1.0 gal/flush.

**22 41 Residential Plumbing Fixtures** (22 40)**22 41 13 Residential Water Closets, Urinals, And Bidets** (22 41)**22 41 13 13 Residential Water Closets** (22 41 13)**22 41 13 13-0001 Residential Toilets** (22 41 13 13)

See CSI section 22 42 13 13-0001 for additional water closets.

22 41 13 13-0002 EA 2 Piece Tank Type, Gravity Flush System, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Kohler Wellworth® K-3978) .....	348.98	115.20
Note: Includes seat, wax ring, escutcheon, supply valve and line.		
22 41 13 13-0003 EA 2 Piece Tank Type, Gravity Flush System, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Kohler Highline® K-3999) .....	392.26	115.20
Note: Includes seat, wax ring, escutcheon, supply valve and line.		
22 41 13 13-0004 EA Round Front Toilet Seat, White (Kohler K-4716-T) .....	38.89	11.05

**22 41 16 Residential Lavatories And Sinks** (22 41)**22 41 16 13 Residential Lavatories** (22 41 16)**22 41 16 13-0001 Residential Wall Hung Lavatory** (22 41 16 13)

See CSI section 22 42 16 13-0002 for wall hung lavatories.

**22 41 16 13-0002 Residential Culture Marble Lavatory Vanity Top** (22 41 16 13)

Note: Includes splash. Single sink, center or offset. Bowl is either oval, shell shape or rectangular. See CSI section 22 42 16 13-0030 for vanity top.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 41 16 16 Residential Sinks</b> (22 41 16)		
<b>22 41 16 16-0001 Residential Kitchen Sinks</b> (22 41 16 16)		
Note: Includes strainer.		
22 41 16 16-0002 EA 25" x 22" x 6" Stainless Steel Kitchen Sink, Single Bowl, 22 Gauge (Elkay K125224)	401.11	61.28
22 41 16 16-0003 EA 33" x 21" x 6-1/2" Stainless Steel Kitchen Sink, Double Bowl, 20 Gauge (Elkay D233213)	476.40	69.75
<b>22 41 19 Residential Bathtubs</b> (22 41)		
<b>22 41 19 00-0001 Residential Bathtubs</b> (22 41 19)		
See CSI section 22 42 19 00-0001 for additional tubs.		
22 41 19 00-0002 EA 5' Bathtub, American Standard Princeton Series	658.83	181.22
<b>22 41 39 Residential Faucets, Supplies, And Trim</b> (22 41)		
<b>22 41 39 00-0001 Residential Kitchen Faucets</b> (22 41 39)		
22 41 39 00-0002 EA Chrome Single Handle Kitchen Faucet (Delta 100LF-WF)	127.22	32.59
22 41 39 00-0003 EA Chrome Single Handle Kitchen Faucet With Spray (Delta 400LF-WF)	147.44	32.59
22 41 39 00-0004 EA Chrome Single Handle Kitchen Faucet With Integrated Spray (Delta 300LF-WF)	147.44	32.59
22 41 39 00-0005 EA Chrome Two Handle Kitchen Faucet, Three Hole Installation 8" Center (Delta 2102LF-LHP+H215)	141.86	32.59
22 41 39 00-0006 EA Chrome Two Handle Kitchen Faucet With Spray, Three Hole Installation, 8" Center (Delta 2402LF-LHP+H215)	152.72	32.59
22 41 39 00-0007 EA Kitchen Faucet, Polished Chrome (Kohler K-15251-B)	115.65	35.40
22 41 39 00-0008 EA Kitchen Faucet, Polished Chrome (Kohler K-15171-P)	141.46	35.40
22 41 39 00-0009 EA Kitchen Faucet, Polished Chrome (Delta 2100)	112.87	35.40
<b>22 41 39 00-0010 Residential Lavatory Faucets</b> (22 41 39)		
22 41 39 00-0011 EA Chrome Single Acrylic Handle Bath Faucet (Delta 502-DST)	116.80	23.46
<i>For Faucet With Brass Pop-Up, Add</i>		
	11.00	
22 41 39 00-0012 EA Chrome, Single Lever Handle, Lavatory Faucet (Delta 500-WF)	116.80	23.46
<i>For Faucet With Brass Pop-Up, Add</i>		
	11.00	
22 41 39 00-0013 EA Chrome, Two Handle, Bath Faucet With Acrylic Handles (Delta 2502LF)	83.55	23.46
<i>For Faucet With Brass Pop-Up, Add</i>		
	16.50	
<i>For Faucet With Plastic Pop-Up, Add</i>		
	14.00	
22 41 39 00-0014 EA Chrome, Two Handle, Lavatory Faucet, (Kohler K-15240-4)	109.86	25.49
22 41 39 00-0015 EA Chrome, Two Handle, Lavatory Faucet (Delta 2522LF-MPU)	113.22	25.49
22 41 39 00-0016 EA Chrome, Single Handle, Lavatory Faucet (Kohler K-15182-P)	145.38	21.24
<b>22 41 39 00-0017 Residential Bath And Shower Faucets</b> (22 41 39)		
22 41 39 00-0018 EA Single Lever Handle, Chrome Shower Only, Pressure Balanced/Anti-Scald Valve (American Standard T675.501)	152.28	28.29
<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>		
	25.00	
22 41 39 00-0019 EA Single Lever Handle, Chrome Bath And Shower, Pressure Balanced/Anti-Scald Valve (American Standard T675.502)	179.93	28.29
<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>		
	25.00	
22 41 39 00-0020 EA Two-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3275)	140.22	28.29
<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>		
	14.00	
<i>For Faucet With Lever Handles, Add</i>		
	17.75	
22 41 39 00-0021 EA Three-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3375)	155.11	28.29
<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>		
	14.00	
<i>For Faucet With Lever Handles, Add</i>		
	17.75	
22 41 39 00-0022 EA Hand Shower With Hose And 25" Slide Bar (American Standard 1662.602)	173.67	17.71
22 41 39 00-0023 EA Wall Mount, Hand Shower With Hose (Delta 55011)	144.05	17.71
22 41 39 00-0024 EA Pressure Balancing Shower Valve (Kohler K-304-K)	128.29	30.73
22 41 39 00-0025 EA Pressure Balancing Shower Valve (Symmons BP-46-2-X)	140.38	30.73
22 41 39 00-0026 EA Pressure Balancing Shower Valve (Moen 62370)	130.98	30.73
22 41 39 00-0027 EA Shower And Tub Control Set, Single Control With Balancing Valve (Moen L2363)	177.55	30.73
22 41 39 00-0028 EA Shower And Tub Control Set, 2 Knobs With Balancing Valve (Pfister 07-312)	127.56	30.73
22 41 39 00-0029 EA Shower And Tub Control Set, 3 Knobs With Balancing Valve (Pfister 01-312)	150.18	30.73
22 41 39 00-0030 EA Single Control Trim Kit (Symmons BPM46-2-LR-TRM)	103.74	30.73
22 41 39 00-0031 EA Single Control Trim Kit (Symmons BP-46-2-STK-TRM)	88.09	30.73
22 41 39 00-0032 EA Brass Shower Head (EZ Flo 15013 Or 15015)	35.69	7.08
22 41 39 00-0033 EA Wall Mount, Hand Shower Unit With Hose (Delta Faucet 62001 DS)	178.84	17.71
<b>22 41 39 00-0034 Residential Laundry Faucets</b> (22 41 39)		
22 41 39 00-0035 EA Stream Straightener Nozzle Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2123LF)	100.39	20.82
<b>22 41 39 00-0036 Residential Laundry/Wash Basin Faucets</b> (22 41 39)		
22 41 39 00-0037 EA Hose Thread Spout Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF)	101.23	20.82
22 41 39 00-0038 EA Hose Thread Spout With Vacuum Breaker Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF+RP12503)	145.38	22.94
<b>22 41 39 00-0039 Residential Washer Box</b> (22 41 39)		
22 41 39 00-0040 EA Washer Box With Supply Lines And Valve	148.58	53.13

**22 Plumbing****22 40 Plumbing Fixtures****22 41 Residential Plumbing Fixtures**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
22 41 39 00-0041		<b>Other Residential Faucets</b> <small>(22 41 39)</small>			
22 41 39 00-0042	EA	Sillcock, Compact, Brass, IPS Or Copper To Hose .....	26.96		5.31
22 41 39 00-0043		<b>Residential Fixture Components And/Or Trim Replacement</b> <small>(22 41 39)</small>			
		See CSI section 22 01 40 81-0001 for fixture trim accessories.			
22 41 39 00-0044	EA	Elongated Toilet Seat, White (Kohler K-4712-T) .....	44.35		11.05
22 41 39 00-0045	EA	Replace Vitreous China Toilet Tank And Lid .....	111.23		
22 41 39 00-0046	EA	Replace Ball Cock Assembly .....	47.83		
22 41 39 00-0047	EA	Replace Wax Ring Seal .....	7.56		
22 41 39 00-0048	EA	Aerator, 2.2 GPM, Polished Chrome Vandal Resistant Spray, Non Aerated (Kohler K-18034) .....	19.14		3.54
22 41 39 00-0049	EA	Aerator, Polished Chrome Vandal Resistant, 2.2 GPM (Kohler K-18033) .....	16.46		3.54
22 41 39 00-0050	EA	Aerator, NEOPERL 1.5 GPM, Chrome Plated .....	8.30		3.54
22 41 39 00-0051	EA	Aerator, NEOPERL 2.2 GPM, Chrome Plated .....	8.30		3.54
<b>22 42</b>		<b>Commercial Plumbing Fixtures</b> <small>(22 40)</small>			
		Note: Prices are for commercial grade unless otherwise indicated. Includes final connection and all associated trim (seat, supply stop and line, wax seal, valve). Excludes rough-in within the wall and carrier.			
<b>22 42 13</b>		<b>Commercial Water Closets, Urinals, And Bidets</b> <small>(22 42)</small>			
<b>22 42 13 13</b>		<b>Commercial Water Closets</b> <small>(22 42 13)</small>			
22 42 13 13-0001		<b>Vitreous China Water Closets</b> <small>(22 42 13 13)</small>			
		Note: With a 2" ball pass.			
22 42 13 13-0002		<b>Floor Mounted Elongated Vitreous China Water Closets</b> <small>(22 42 13 13-0001)</small>			
		Note: Includes wax seal and toilet seat. Excludes flush valve.			
22 42 13 13-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Madera™) .....	464.02		67.79
22 42 13 13-0004	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Colorado) .....	457.77		67.79
22 42 13 13-0005	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Priolo®) .....	584.89		67.79
22 42 13 13-0006	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Yorkville™) .....	805.11		67.79
22 42 13 13-0007	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Cadet™) .....	702.99		67.79
22 42 13 13-0008	EA	1 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Compact Cadet™) .....	645.33		67.79
22 42 13 13-0009	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Kohler® Wellcome™) .....	455.17		67.79
22 42 13 13-0010	EA	1.28 GPF Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Toto® CT705E) .....	499.68		67.79
22 42 13 13-0011		<b>Wall Hung Elongated Vitreous China Water Closets</b> <small>(22 42 13 13-0001)</small>			
		Note: Includes wax seal and toilet seat. Excludes flush valve.			
22 42 13 13-0012	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Aftwall®) .....	527.39		83.44
22 42 13 13-0013	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Aftwall® ADA Retrofit) .....	701.76		83.44
22 42 13 13-0014	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Glenwall™) .....	940.73		83.44
22 42 13 13-0015	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Kingston™) .....	528.83		83.44
22 42 13 13-0016	EA	Flush Valve Type, Blow Out, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Stratton™) .....	908.23		83.44
22 42 13 13-0017	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT708E Or CT708EV) .....	606.37		83.44
22 42 13 13-0018	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn Z5615-BWL) .....	485.67		83.44
22 42 13 13-0019	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Sloan ST-2459) .....	520.65		83.44
22 42 13 13-0020		<b>Floor Mounted Elongated Handicapped Water Closets</b> <small>(22 42 13 13-0001)</small>			
		Note: Includes wax seal and toilet seat. Excludes flush valve.			
22 42 13 13-0021	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Madera™ ADA) .....	472.58		67.79
22 42 13 13-0022	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Colorado Right Height®) .....	487.86		67.79
22 42 13 13-0023	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Right Width™ Right Height®) .....	555.24		67.79
22 42 13 13-0024	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Huron) .....	638.61		67.79
22 42 13 13-0025	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Priolo® ADA) .....	635.13		67.79
22 42 13 13-0026	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Back Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Yorkville™ ADA) .....	901.20		67.79
22 42 13 13-0027	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Cadet Right Height™ ADA) .....	734.47		67.79



<b>Plumbing</b>	<b>22</b>	<b>22</b>
<b>Plumbing Fixtures</b>	<b>22 40</b>	
<b>Commercial Plumbing Fixtures</b>	<b>22 42</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0028	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT705ELN).....	541.22	67.79
22 42 13 13-0029	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn HET Z5667-BWL).....	506.15	67.79
<b>22 42 13 13-0030</b>			<b>Floor Mounted, 10" High Bowl, Children's Height Vitreous China Water Closets</b> <small>(22 42 13 13-0001)</small> Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0031	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Elongated Vitreous China Water Closet (Kohler® Primary™).....	549.83	67.79
22 42 13 13-0032	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™).....	480.20	67.79
22 42 13 13-0033	EA		2 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™).....	588.59	67.79
<b>22 42 13 13-0034</b>			<b>Floor Mounted Round Bowl Vitreous China Water Closets</b> <small>(22 42 13 13-0001)</small>		
22 42 13 13-0035	EA		2 Piece Tank Type, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Toto® CST715) With SoftClose® Seat (Toto® SS113).....	537.13	67.79
22 42 13 13-0036	EA		2 Piece Tank Type, Dual Flush, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Vortens 3208-3412).....	540.72	67.79
<b>22 42 13 13-0037</b>			<b>Stainless Steel Water Closets</b> <small>(22 42 13 13)</small>		
22 42 13 13-0038	EA		Wall Hung Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2105-T-1-HS).....	4,217.10	146.68
22 42 13 13-0039	EA		Floor Mounted Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2120-T-3-HS).....	4,460.28	146.68
<b>22 42 13 13-0040</b>			<b>Water Closet Carriers</b> <small>(22 42 13 13)</small>		
<b>22 42 13 13-0041</b>			<b>Pipe Grip Adaptor Type, Water Closet Carriers</b> <small>(22 42 13 13-0040)</small> Note: Includes coated cast iron construction, plated hardware and adjustable feet. Excludes waste piping and fittings.		
22 42 13 13-0042	EA		Pipe Grip Adaptor Type, Water Closet Carrier.....	379.21	34.42
<b>22 42 13 13-0043</b>			<b>No-Hub, Water Closet Carriers</b> <small>(22 42 13 13-0040)</small> Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 13-0044	EA		Vertical Close With Offset, No-Hub, Single Water Closet Carrier.....	593.64	34.42
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-52.62	
			For Positioning Frame, Add	33.50	
			For Supply Pipe Support, Add	34.28	
			For Vandal Proof Trim, Add	44.78	
			For Auxiliary Inlet, Add	145.75	
			For Special Duty 500 LB Carrier, Add	249.77	
22 42 13 13-0045	EA		Vertical Close On Stack, No-Hub, Single Water Closet Carrier.....	593.64	34.42
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-52.62	
			For Positioning Frame, Add	33.50	
			For Supply Pipe Support, Add	34.28	
			For Vandal Proof Trim, Add	44.78	
			For Auxiliary Inlet, Add	145.75	
			For Special Duty 500 LB Carrier, Add	249.77	
22 42 13 13-0046	EA		Horizontal Adjustable, No-Hub, Single Water Closet Carrier.....	649.41	34.42
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-52.62	
			For Positioning Frame, Add	33.50	
			For Supply Pipe Support, Add	34.28	
			For Vandal Proof Trim, Add	44.78	
			For Auxiliary Inlet, Add	145.75	
			For Horizontal No Hub Cast Long Barrel, Add	151.03	
			For Carrier For Wide Chase Installations, Add	197.02	
			For Special Duty 1,000 LB Carrier, Add	249.78	
22 42 13 13-0047	EA		Vertical Adjustable On Stack, No-Hub, Single Water Closet Carrier.....	720.88	34.42
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-52.62	
			For Positioning Frame, Add	33.50	
			For Supply Pipe Support, Add	34.28	
			For Vandal Proof Trim, Add	44.78	
			For 4" Branch, Add	115.68	
			For Auxiliary Inlet, Add	145.75	
			For Carrier For Wide Chase Installations, Add	197.02	
			For Double 4" Branches, Add	232.15	
			For Special Duty 1,000 LB Carrier, Add	249.78	
22 42 13 13-0048	EA		Vertical Close With Offset, No-Hub, Double Water Closet (Back To Back) Carrier.....	990.48	50.52
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-105.24	
			For Positioning Frame, Add	71.87	
			For Supply Pipe Support, Add	73.45	
			For Vandal Proof Trim, Add	89.55	
			For Auxiliary Inlet, Add	155.53	
			For Special Duty 500 LB Carrier, Add	499.54	



**22 Plumbing****22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0049	EA		Vertical Close On Stack, No-Hub, Double Water Closet (Back To Back) Carrier.....	1,018.76	50.52
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-105.24	
			<i>For Positioning Frame, Add</i>	71.87	
			<i>For Supply Pipe Support, Add</i>	73.45	
			<i>For Vandal Proof Trim, Add</i>	89.55	
			<i>For Auxiliary Inlet, Add</i>	155.53	
			<i>For Special Duty 500 LB Carrier, Add</i>	499.54	
22 42 13 13-0050	EA		Vertical Adjustable On Stack, No-Hub, Double Water Closet (Back To Back) Carrier.....	1,244.18	50.52
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-105.24	
			<i>For Positioning Frame, Add</i>	71.87	
			<i>For Supply Pipe Support, Add</i>	73.45	
			<i>For Vandal Proof Trim, Add</i>	89.55	
			<i>For 4" Branch, Add</i>	120.57	
			<i>For Auxiliary Inlet, Add</i>	155.53	
			<i>For Double 4" Branches, Add</i>	241.93	
			<i>For Carrier For Wide Chase Installations, Add</i>	423.38	
			<i>For Special Duty 1,000 LB Carrier, Add</i>	499.55	
22 42 13 13-0051	EA		Horizontal Adjustable, No-Hub, Double Water Closet (Back To Back) Carrier .....	1,170.35	50.52
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-105.24	
			<i>For Positioning Frame, Add</i>	71.87	
			<i>For Supply Pipe Support, Add</i>	73.45	
			<i>For Vandal Proof Trim, Add</i>	89.55	
			<i>For Horizontal No Hub Cast Long Barrel, Add</i>	155.92	
			<i>For Carrier For Wide Chase Installations, Add</i>	423.38	
			<i>For Special Duty 1,000 LB Carrier, Add</i>	499.55	
<b>22 42 13 13-0052</b>			<b>Hub And Spigot, Water Closet Carriers</b> <small>(22 42 13 13-0040)</small>		
			Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 13-0053	EA		Vertical Close With Offset, Hub And Spigot, Single Water Closet Carrier.....	593.64	34.42
			<i>For Positioning Frame, Add</i>	33.50	
			<i>For Supply Pipe Support, Add</i>	34.28	
			<i>For Vandal Proof Trim, Add</i>	44.78	
			<i>For Hanger Type Closet Adapter, Add</i>	112.32	
			<i>For Auxiliary Inlet, Add</i>	145.75	
22 42 13 13-0054	EA		Vertical Close On Stack, Hub And Spigot, Single Water Closet Carrier.....	593.64	34.42
			<i>For Positioning Frame, Add</i>	33.50	
			<i>For Supply Pipe Support, Add</i>	34.28	
			<i>For Vandal Proof Trim, Add</i>	44.78	
			<i>For Auxiliary Inlet, Add</i>	145.75	
			<i>For Special Duty 500 LB Carrier, Add</i>	249.77	
22 42 13 13-0055	EA		Vertical Adjustable On Stack, Hub And Spigot, Single Water Closet Carrier.....	747.58	34.42
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-52.62	
			<i>For Positioning Frame, Add</i>	33.50	
			<i>For Supply Pipe Support, Add</i>	34.28	
			<i>For Vandal Proof Trim, Add</i>	44.78	
			<i>For 4" Branch, Add</i>	115.68	
			<i>For Auxiliary Inlet, Add</i>	145.75	
			<i>For Carrier For Wide Chase Installations, Add</i>	197.02	
			<i>For Double 4" Branches, Add</i>	232.15	
			<i>For Special Duty 1,000 LB Carrier, Add</i>	249.78	
22 42 13 13-0056	EA		Vertical Close With Offset, Hub And Spigot, Double Water Closet (Back To Back) Carrier.....	990.48	50.52
			<i>For Positioning Frame, Add</i>	71.87	
			<i>For Supply Pipe Support, Add</i>	73.45	
			<i>For Vandal Proof Trim, Add</i>	89.55	
			<i>For Auxiliary Inlet, Add</i>	155.53	
			<i>For Hanger Type Closet Adapter, Add</i>	224.64	
22 42 13 13-0057	EA		Vertical Adjustable On Stack, Hub And Spigot, Double Water Closet (Back To Back) Carrier .....	1,270.89	50.52
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-105.24	
			<i>For Positioning Frame, Add</i>	71.87	
			<i>For Supply Pipe Support, Add</i>	73.45	
			<i>For Vandal Proof Trim, Add</i>	89.55	
			<i>For 4" Branch, Add</i>	120.57	
			<i>For Auxiliary Inlet, Add</i>	155.53	
			<i>For Double 4" Branches, Add</i>	241.93	
			<i>For Carrier For Wide Chase Installations, Add</i>	423.38	
			<i>For Special Duty 1,000 LB Carrier, Add</i>	499.55	
<b>22 42 13 13-0058</b>			<b>Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Water Closet Carriers</b>		
			<small>(22 42 13 13-0040)</small>		
			Note: Includes coated cast iron construction, plastic fitting adaptor with extension and plated hardware.		
22 42 13 13-0059	EA		Vertical On Stack, Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Single Water Closet Carrier.....	456.18	34.42
			<i>For Positioning Frame, Add</i>	33.50	
			<i>For Supply Pipe Support, Add</i>	34.28	
			<i>For Vandal Proof Trim, Add</i>	44.78	
			<i>For Hanger Type Closet Adapter, Add</i>	112.32	
<b>22 42 13 13-0060</b>			<b>Institutional Water Closet Carriers</b> <small>(22 42 13 13-0040)</small>		
			Note: Includes coated cast iron construction, ABS extension with integral test cap, buttress feet, plated hardware and neoprene fixture gasket.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0061 EA Vertical On Stack, No-Hub, 90 Degree Institutional, Double Waste Fitting With Vent And Carrier, Water Closet Carrier .....	1,635.34	50.52
For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct .....	-105.24	
For Positioning Frame, Add .....	71.87	
For Supply Pipe Support, Add .....	73.45	
For Vandal Proof Trim, Add .....	89.55	
For Auxiliary Inlet, Add .....	155.53	
<b>22 42 13 13-0062 Removal And Reinstallation Of Fixtures And Trim (22 42 13 13)</b>		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 13-0063 EA Removal And Reinstallation Of Wall Hung Water Closet With Tank .....	298.43	
22 42 13 13-0064 EA Removal And Reinstallation Of Wall Hung Water Closet With Flush Valve .....	298.43	
22 42 13 13-0065 EA Removal And Reinstallation Of Floor Mount Water Closet With Tank .....	229.62	
22 42 13 13-0066 EA Removal And Reinstallation Of Floor Mount Water Closet With Flush Valve .....	229.62	
<b>22 42 13 16 Commercial Urinals (22 42 13)</b>		
<b>22 42 13 16-0001 Vitreous China Urinals (22 42 13 16)</b>		
Note: Excludes flush valve unless indicated otherwise.		
<b>22 42 13 16-0002 Wall Hung Urinals (22 42 13 16-0001)</b>		
22 42 13 16-0003 EA Washout, Wall Hung, Vitreous China Urinal (American Standard Maybrook™) .....	412.81	69.75
22 42 13 16-0004 EA Washout, Wall Hung, Vitreous China Urinal With Top Spud (American Standard Washbrook®) .....	538.65	69.75
22 42 13 16-0005 EA Blowout, Wall Hung, Vitreous China Urinal (American Standard Lynbrook™) .....	603.62	69.75
22 42 13 16-0006 EA Siphon Jet, Wall Hung, Vitreous China Urinal (American Standard Trimbrook™) .....	536.60	69.75
22 42 13 16-0007 EA Siphon Jet, Wall Hung, Vitreous China Urinal (American Standard Allbrook™) .....	430.19	69.75
22 42 13 16-0008 EA Washout, Wall Hung, Vitreous China Urinal (Toto® UT447E Or UT447EV) .....	555.09	69.75
22 42 13 16-0009 EA Washout, Wall Hung, Vitreous China Urinal (Toto® UT104E Or UT104EV) .....	453.39	69.75
22 42 13 16-0010 EA Washout, Wall Hung, Vitreous China Urinal (Zurn Z5798) .....	502.81	69.75
22 42 13 16-0011 EA 0.125 To 0.5 GPF, HEU, Washout, Wall Hung, Vitreous China Urinal (Sloan SU-1009-A) .....	446.12	69.75
22 42 13 16-0012 EA 1.0 GPF, HEU, Washout, Wall Hung, Vitreous China Urinal (Sloan SU-1006-A) .....	443.96	69.75
<b>22 42 13 16-0013 Floor Mounted Urinals (22 42 13 16-0001)</b>		
22 42 13 16-0014 EA Washout, Floor Mounted, Vitreous China Urinal (American Standard Stallbrook™) .....	775.67	88.00
22 42 13 16-0015 EA Washout, Floor Mounted, Vitreous China Urinal (Kohler® Branham™) .....	906.89	88.00
22 42 13 16-0016 EA Floor Mounted Urinal Seam Cover For 21" Centers (Kohler® K-4931) .....	290.72	16.30
22 42 13 16-0017 EA Floor Mounted Urinal Seam Cover For 24" Centers (Kohler® K-4932) .....	332.74	16.30
<b>22 42 13 16-0018 Waterfree Urinals (22 42 13 16-0001)</b>		
22 42 13 16-0019 EA Waterfree, Wall Hung, Vitreous China Urinal (American Standard Large FloWise® Flush-Free) .....	541.17	48.90
22 42 13 16-0020 EA Waterfree, Wall Hung, Vitreous China Urinal (SLOAN WES-1000) .....	693.64	48.90
For Colored Fixtures, Add .....	66.90	
For >1, Deduct .....	-60.50	
22 42 13 16-0021 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-2000) .....	599.39	48.90
For Colored Fixtures, Add .....	66.90	
For >1, Deduct .....	-49.75	
22 42 13 16-0022 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-4000) .....	463.04	48.90
For Colored Fixtures, Add .....	66.90	
For >1, Deduct .....	-34.21	
22 42 13 16-0023 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-5000) .....	463.04	48.90
For Colored Fixtures, Add .....	66.90	
For >1, Deduct .....	-34.21	
22 42 13 16-0024 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-7000) .....	570.15	48.90
For Colored Fixtures, Add .....	66.90	
For >1, Deduct .....	-46.42	
22 42 13 16-0025 EA Waterfree, Wall Hung, Stainless Steel Urinal (Falcon F-9000) .....	856.54	48.90
For >1, Deduct .....	-79.07	
<b>22 42 13 16-0026 Stainless Steel Urinals (22 42 13 16)</b>		
22 42 13 16-0027 EA Wall Hung Urinal, Stainless Steel, Blowout Jet (Acorn 2160-T-1) .....	4,353.89	146.68
22 42 13 16-0028 EA 5' Wall Hung Trough Urinal, Stainless Steel With Strainer And Washdown Pipe (Elkay EU6014C) .....	5,667.91	179.27
<b>22 42 13 16-0029 Urinal Carriers (22 42 13 16)</b>		
<b>22 42 13 16-0030 Floor Mounted, Urinal Carriers (22 42 13 16-0029)</b>		
Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 13 16-0031 EA Floor Mounted Hanger Plate Type, Single Urinal Carrier .....	332.46	24.78
For Up To 4" Extension Sleeves And Hardware, Add .....	16.49	
22 42 13 16-0032 EA Floor Mounted Bearing Plate Type, Single Urinal Carrier .....	362.31	24.78
For Up To 4" Extension Sleeves And Hardware, Add .....	16.49	
<b>22 42 13 16-0033 Wall Mounted, Urinal Carriers (22 42 13 16-0029)</b>		
Note: Includes wall plate and adjustable supporting rods.		
22 42 13 16-0034 EA Wall Mounted Hanger Plate Type, Single Urinal Carrier .....	146.31	24.78
For Up To 6-1/2" Extension Sleeves And Hardware, Add .....	16.49	

**22 Plumbing**  
**22 40 Plumbing Fixtures**  
**22 42 Commercial Plumbing Fixtures**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 42 13 16-0035			<b>Removal And Reinstallation Of Fixtures And Trim</b> (22 42 13 16) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 16-0036	EA		Removal And Reinstallation Of Wall Hung Urinal With Flush Valve.....	296.97	

**22 42 16 Commercial Lavatories And Sinks** (22 42)

**22 42 16 13 Commercial Lavatories** (22 42 16)

22 42 16 13-0001			<b>Lavatories</b> (22 42 16 13) Note: Includes trap, drain and supply valves. Excludes faucets.		
22 42 16 13-0002			<b>Wall Hung Lavatories</b> (22 42 16 13-0001)		
22 42 16 13-0003	EA		19" x 17" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™) .....	445.37	43.67
22 42 16 13-0004	EA		20" x 18" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™) .....	470.96	43.67
22 42 16 13-0005	EA		22" x 19" Porcelain Enameled Cast Iron Wall Hung Lavatory (Kohler® Hampton™) .....	614.28	43.67
22 42 16 13-0006	EA		18" x 16" Vitreous China Wall Hung Lavatory (American Standard Penlyn™).....	398.71	43.67
22 42 16 13-0007	EA		19" x 17" Vitreous China Wall Hung Lavatory (American Standard Declyn™).....	327.22	43.67
22 42 16 13-0008	EA		20" x 18" Vitreous China Wall Hung Lavatory (Kohler® Soho®) .....	444.95	43.67
22 42 16 13-0009	EA		27" x 20" Wheelchair Accessible, Vitreous China Wall Hung Lavatory (American Standard Wheel Chair Users) .....	545.46	43.67
22 42 16 13-0010	EA		20" x 18" Vitreous China Wall Hung Lavatory (American Standard Roxalyn™).....	410.75	43.67
22 42 16 13-0011	EA		20" x 18" Vitreous China Wall Hung Lavatory (American Standard Lucerne™).....	348.29	43.67

**22 42 16 13-0012 Countertop Lavatories** (22 42 16 13-0001)

22 42 16 13-0013	EA		20" x 18" Oval Vitreous China Countertop Lavatory (Kohler® Pennington®) .....	366.72	52.80
22 42 16 13-0014	EA		21" x 18" Vitreous China Countertop Lavatory (American Standard Cadet™ Oval) .....	375.42	52.80
22 42 16 13-0015	EA		19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Farmington™).....	399.55	52.80
22 42 16 13-0016	EA		19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Ellington™).....	425.35	52.80
22 42 16 13-0017	EA		24" x 18" Enameled Cast Iron Countertop Lavatory (Kohler® Thoreau®) .....	564.04	57.04

**22 42 16 13-0018 Undercounter Lavatories** (22 42 16 13-0001)

22 42 16 13-0019	EA		15" x 12" Vitreous China Undercounter Lavatory (American Standard Ovalyn™) .....	368.59	52.80
22 42 16 13-0020	EA		17" x 14" Vitreous China Undercounter Lavatory (American Standard Ovalyn™) .....	339.82	52.80
22 42 16 13-0021	EA		19" x 16" Vitreous China Undercounter Lavatory (American Standard Ovalyn™) .....	339.82	52.80
22 42 16 13-0022	EA		21" x 17" Vitreous China Undercounter Lavatory (American Standard Ovalyn™) .....	374.63	52.80
22 42 16 13-0023	EA		15" x 12" Oval Vitreous China Undercounter Lavatory (Kohler® Caxton®) .....	353.06	52.80
22 42 16 13-0024	EA		17" x 14" Oval Vitreous China Undercounter Lavatory (Kohler® Caxton®) .....	347.76	52.80
22 42 16 13-0025	EA		19" x 15" Oval Vitreous China Undercounter Lavatory (Kohler® Caxton®) .....	353.16	52.80
22 42 16 13-0026	EA		18" x 12" Rectangular Vitreous China Undercounter Lavatory (Kohler® Ladena®) .....	472.29	52.80
22 42 16 13-0027	EA		21" x 14" Rectangular Vitreous China Undercounter Lavatory (Kohler® Ladena®) .....	472.29	52.80

**22 42 16 13-0028 Pedestal Lavatories** (22 42 16 13-0001)

22 42 16 13-0029	EA		19" x 24" x 35" High Vitreous China Pedestal Sink (American Standard Cadet™).....	493.70	125.49
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**22 42 16 13-0030 Pre-Molded Culture Marble Lavatory Vanity** (22 42 16 13-0001)

Note: Includes splash. Single sink, center or offset. Bowl is either oval, shell shape or rectangular.

22 42 16 13-0031	EA		24" x 18" Pre-Molded Culture Marble Vanity Top With Lavatory.....	224.33	48.90
			<i>For Colored Fixtures, Add</i>	36.71	
22 42 16 13-0032	EA		30" x 18" Pre-Molded Culture Marble Vanity Top With Lavatory.....	246.18	52.15
			<i>For Colored Fixtures, Add</i>	41.15	
22 42 16 13-0033	EA		36" x 18" Pre-Molded Culture Marble Vanity Top With Lavatory.....	264.49	55.41
			<i>For Colored Fixtures, Add</i>	44.57	
22 42 16 13-0034	EA		25" x 19" Pre-Molded Culture Marble Vanity Top With Lavatory.....	230.23	48.90
			<i>For Colored Fixtures, Add</i>	38.42	
22 42 16 13-0035	EA		31" x 19" Pre-Molded Culture Marble Vanity Top With Lavatory.....	249.70	52.15
			<i>For Colored Fixtures, Add</i>	42.18	
22 42 16 13-0036	EA		37" x 19" Pre-Molded Culture Marble Vanity Top With Lavatory.....	266.84	55.41
			<i>For Colored Fixtures, Add</i>	45.25	
22 42 16 13-0037	EA		43" x 19" Pre-Molded Culture Marble Vanity Top With Lavatory.....	299.58	57.04
			<i>For Colored Fixtures, Add</i>	53.80	
22 42 16 13-0038	EA		49" x 19" Pre-Molded Culture Marble Vanity Top With Lavatory.....	326.44	58.67
			<i>For Colored Fixtures, Add</i>	60.64	
22 42 16 13-0039	EA		25" x 22" Pre-Molded Culture Marble Vanity Top With Lavatory.....	253.81	48.90
			<i>For Colored Fixtures, Add</i>	45.25	
22 42 16 13-0040	EA		31" x 22" Pre-Molded Culture Marble Vanity Top With Lavatory.....	289.79	52.15
			<i>For Colored Fixtures, Add</i>	53.80	
22 42 16 13-0041	EA		37" x 22" Pre-Molded Culture Marble Vanity Top With Lavatory.....	308.11	55.41
			<i>For Colored Fixtures, Add</i>	57.22	
22 42 16 13-0042	EA		43" x 22" Pre-Molded Culture Marble Vanity Top With Lavatory.....	330.23	57.04
			<i>For Colored Fixtures, Add</i>	62.69	
22 42 16 13-0043	EA		49" x 22" Pre-Molded Culture Marble Vanity Top With Lavatory.....	350.02	58.67
			<i>For Colored Fixtures, Add</i>	67.48	
22 42 16 13-0044	EA		55" x 22" Pre-Molded Culture Marble Vanity Top With Lavatory.....	375.40	61.93
			<i>For Colored Fixtures, Add</i>	72.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 42 16 13-0045 Solid Surface Multi-Station Lavatory Systems</b> (22 42 16 13-0001) Note: ADA compliant. Includes integral faucets.		
22 42 16 13-0046 EA 2 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-2) .....	3,796.80	84.72
<i>For Integral Liquid Soap Dispenser, Add</i>	171.00	
<i>For Integral Photovoltaic Power Panels, Add</i>	563.00	
22 42 16 13-0047 EA 3 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-3) .....	5,577.24	84.72
<i>For Integral Liquid Soap Dispenser, Add</i>	171.00	
<i>For Integral Photovoltaic Power Panels, Add</i>	657.00	
22 42 16 13-0048 EA 12" Length, Solid Surface Countertop Extension (Bradley MG-EXT-12) .....	253.01	28.24
22 42 16 13-0049 EA 18" Length, Solid Surface Countertop Extension (Bradley MG-EXT-18) .....	315.15	28.24
22 42 16 13-0050 EA 36" Length, Solid Surface Countertop Extension (Bradley MG-EXT-36) .....	631.62	28.24
<b>22 42 16 13-0051 Stainless Steel Lavatories</b> (22 42 16 13-0001)		
22 42 16 13-0052 EA 18" x 15" Wall Mounted Lavatory, Stainless Steel (Acorn 1950-1) .....	2,082.82	114.08
<b>22 42 16 13-0053 Lavatory Carriers</b> (22 42 16 13)		
<b>22 42 16 13-0054 Floor Mounted, Lavatory Carriers</b> (22 42 16 13-0053)		
<b>22 42 16 13-0055 Floor Mounted Plate Type, Lavatory Carriers</b> (22 42 16 13-0054) Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 16 13-0056 EA Floor Mounted Hanger Plate Type, Single Lavatory Carrier .....	332.46	24.78
<i>For Up To 4" Extension Sleeves And Hardware, Add</i>	16.49	
<i>For Valve Plate For Attaching To Upright, Add</i>	57.82	
<i>For Corner Carrier, Add</i>	112.52	
22 42 16 13-0057 EA Floor Mounted Bearing Plate Type, Single Lavatory Carrier.....	362.31	24.78
<i>For Up To 4" Extension Sleeves And Hardware, Add</i>	16.49	
<i>For Valve Plate For Attaching To Upright, Add</i>	57.82	
22 42 16 13-0058 EA Floor Mounted Hanger Plate Type, Double Lavatory (Back To Back) Carrier .....	414.94	24.78
<i>For Up To 4" Extension Sleeves And Hardware, Add</i>	32.98	
<i>For Valve Plate For Attaching To Upright, Add</i>	115.65	
22 42 16 13-0059 EA Floor Mounted Bearing Plate Type, Double Lavatory (Back To Back) Carrier .....	475.42	24.78
<i>For Up To 4" Extension Sleeves And Hardware, Add</i>	32.98	
<i>For Valve Plate For Attaching To Upright, Add</i>	115.65	
<b>22 42 16 13-0060 Floor Mounted, Lavatory Carriers With Arms</b> (22 42 16 13-0054) Note: Includes leveling and securing screws, structural uprights and welded feet.		
22 42 16 13-0061 EA Floor Mounted, Single Lavatory Carrier With Concealed Arms.....	427.97	29.33
<i>For Up To 6-1/2" Extension Sleeves And Hardware, Add</i>	16.49	
<i>For Concealed Arm Carrier For Wheelchair Lavatory, Add</i>	22.78	
<i>For Valve Plate For Attaching To Upright, Add</i>	59.13	
<i>For 2" Chrome Plated Escutcheons, Add</i>	55.77	
<i>For 4" Or 6" Chrome Plated Escutcheons, Add</i>	101.32	
22 42 16 13-0062 EA Floor Mounted, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms .....	572.49	29.33
<i>For Up To 4-1/2" Extension Sleeves And Hardware, Add</i>	16.49	
<i>For Vandal Proof Trim, Add</i>	44.78	
<i>For Valve Plate For Attaching To Upright, Add</i>	59.13	
<i>For Heavy Duty Carrier, Add</i>	57.34	
22 42 16 13-0063 EA Floor Mounted, Double Lavatory (Back To Back) Carrier With Concealed Arms.....	571.70	29.33
<i>For Up To 6-1/2" Extension Sleeves And Hardware, Add</i>	32.98	
<i>For Concealed Arm Carrier For Wheelchair Lavatory, Add</i>	45.56	
<i>For Valve Plate For Attaching To Upright, Add</i>	118.26	
<i>For 2" Chrome Plated Escutcheons, Add</i>	111.53	
<i>For 4" Or 6" Chrome Plated Escutcheons, Add</i>	202.65	
22 42 16 13-0064 EA Floor Mounted, Double Lavatory (Back To Back) Carrier With Exposed Acid Resistant White Coated Arms.....	848.19	29.33
<i>For Up To 4-1/2" Extension Sleeves And Hardware, Add</i>	32.98	
<i>For Vandal Proof Trim, Add</i>	89.55	
<i>For Valve Plate For Attaching To Upright, Add</i>	118.26	
<i>For Heavy Duty Carrier, Add</i>	114.67	
<b>22 42 16 13-0065 Wall Mounted, Lavatory Carriers</b> (22 42 16 13-0053)		
<b>22 42 16 13-0066 Wall Mounted Plate Type, Lavatory Carriers</b> (22 42 16 13-0065) Note: Includes wall plate and adjustable supporting rods.		
22 42 16 13-0067 EA Wall Mounted Hanger Plate Type, Single Lavatory Carrier .....	146.31	24.78
<i>For Double Plate Carrier, Add</i>	44.32	
<b>22 42 16 13-0068 Wall Mounted Plate Type, Lavatory Carriers With Arms</b> (22 42 16 13-0065) Note: Includes wall plate and leveling and securing screws.		
22 42 16 13-0069 EA Wall Mounted Fixed Steel Plate Type, Single Lavatory Carrier With Concealed Arms.....	244.96	29.33
<i>For Up To 4" Extension Sleeves And Hardware, Add</i>	16.49	
<i>For 2" Chrome Plated Escutcheons, Add</i>	55.77	
22 42 16 13-0070 EA Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Concealed Arms .....	288.94	29.33
<i>For Movable Mounting Brackets, Deduct</i>	-42.40	
<i>For Up To 4" Extension Sleeves And Hardware, Add</i>	16.49	
<i>For 2" Chrome Plated Escutcheons, Add</i>	55.77	
<i>For 4" Or 6" Chrome Plated Escutcheons, Add</i>	101.32	

**22 Plumbing****22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0071	EA		Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms..... <i>For Up To 4-1/2" Extension Sleeves And Hardware, Add</i> <i>For Vandal Proof Trim, Add</i>	424.83 16.49 44.78	29.33
<b>22 42 16 13-0072</b>			<b>Removal And Reinstallation Of Lavatory And Trim</b> (22 42 16 13) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 13-0073	EA		Removal And Reinstallation Of Wall Hung Lavatory With Faucet.....	191.73	
<b>22 42 16 16</b>			<b>Commercial Sinks</b> (22 42 16)		
<b>22 42 16 16-0001</b>			<b>Sinks</b> (22 42 16 16) Note: Includes drain, trap and supply valves. Excludes faucets.		
<b>22 42 16 16-0002</b>			<b>Kitchen Sinks</b> (22 42 16 16-0001)		
22 42 16 16-0003	EA		25" x 22" x 8-3/4" Enameled Cast Iron Kitchen Sink, Single Bowl (Kohler® Mayfield®).....	554.56	61.28
22 42 16 16-0004	EA		22" x 33" x 9-5/8" Enameled Cast Iron Kitchen Sink, Double Bowl (Kohler® Brookfield®).....	762.22	69.75
22 42 16 16-0005	EA		15" x 17" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1517)..... <i>For 18 Gauge, Add</i>	923.62 543.33	59.98
22 42 16 16-0006	EA		17" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1722)..... <i>For 18 Gauge, Add</i>	957.57 570.49	59.98
22 42 16 16-0007	EA		22" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2222)..... <i>For 18 Gauge, Add</i>	1,033.94 631.58	59.98
22 42 16 16-0008	EA		25" x 22" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2522)..... <i>For 18 Gauge, Add</i>	1,092.67 672.32	61.28
22 42 16 16-0009	EA		31" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR3122)..... <i>For 18 Gauge, Add</i>	1,451.33 939.34	69.75
22 42 16 16-0010	EA		33" x 21" x 7-1/2" Stainless Steel Kitchen Sink, Double Bowl, 20 Gauge (Elkay PSR3321)..... <i>For 18 Gauge, Add</i>	1,491.98 971.66	69.75
22 42 16 16-0011	EA		15" x 17" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR151710).....	1,473.79	59.98
22 42 16 16-0012	EA		17" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR172210).....	1,511.98	59.98
22 42 16 16-0013	EA		22" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR222210).....	1,608.15	59.98
22 42 16 16-0014	EA		25" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR252210).....	1,727.69	61.28
22 42 16 16-0015	EA		31" x 22" x 11-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR312210).....	2,142.94	69.75
22 42 16 16-0016	EA		33" x 22" x 8" Stainless Steel Kitchen Sink, Double Bowl, 18 Gauge (Elkay LR3322).....	2,033.66	69.75
<b>22 42 16 16-0017</b>			<b>Undermount Kitchen Sinks</b> (22 42 16 16-0001)		
22 42 16 16-0018	EA		21" x 15" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU2115) With Strainer (Elkay LK99).....	1,270.02	59.98
22 42 16 16-0019	EA		21" x 15" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU211510) With Strainer (Elkay LK99).....	1,265.89	59.98
22 42 16 16-0020	EA		21" x 15" x 7-1/2" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH2115) With Strainer (Elkay LK99).....	1,284.16	59.98
22 42 16 16-0021	EA		21" x 15" x 10" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH211510) With Strainer (Elkay LK99).....	1,380.34	59.98
<b>22 42 16 16-0022</b>			<b>Multi-Station Wash Sink, Wall Mounted</b> (22 42 16 16-0001) Note: Includes concealed wall hanger, soap dish(s), strainer, supply lines and P-Trap. Excludes faucets.		
22 42 16 16-0023	EA		36" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™)..... Note: Excludes faucets.	1,639.92	105.93
22 42 16 16-0024	EA		48" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™)..... Note: Excludes faucets.	2,244.20	114.08
22 42 16 16-0025	EA		60" Wide, 3 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™)..... Note: Excludes faucets.	2,597.23	122.22
22 42 16 16-0026	EA		48" Wide, 2 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)..... Note: Excludes faucets.	2,941.77	81.49
22 42 16 16-0027	EA		62" Wide, 3 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)..... Note: Excludes faucets.	3,277.06	89.63
22 42 16 16-0028	EA		80" Wide, 4 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)..... Note: Excludes faucets.	3,604.77	97.78
22 42 16 16-0029	EA		102" Wide, 5 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)..... Note: Excludes faucets.	3,998.16	110.00
22 42 16 16-0030	EA		27" Diameter 2 Person Wash Fountain, Stainless Steel, Sensor Operated.....	4,000.22	179.27
<b>22 42 16 16-0031</b>			<b>Utility Or Laundry Sinks</b> (22 42 16 16-0001)		
22 42 16 16-0032	EA		23" x 21" Molded Stone Single Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FL-1).....	480.29	69.75
22 42 16 16-0033	EA		40" x 24" Molded Stone Double Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FLTD-II).....	578.09	69.75
22 42 16 16-0034	EA		22" x 17" Molded Stone Single Laundry Sink, Drop-In (Fiat Products DL1).....	478.57	69.75
22 42 16 16-0035	EA		24" x 21" Enameled Cast Iron Single Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2210).....	824.22	69.75
22 42 16 16-0036	EA		48" x 21" Enameled Cast Iron Double Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2220).....	1,231.91	78.23
<b>22 42 16 16-0037</b>			<b>Refinish Sink/Lavatory</b> (22 42 16 16-0001)		
22 42 16 16-0038	EA		Refinish Sink/Lavatory.....	161.21	
<b>22 42 16 16-0039</b>			<b>Service Sinks</b> (22 42 16 16-0001)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 16-0040 EA 22" x 18" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Lakewell™) .....	844.84	104.95
22 42 16 16-0041 EA 24" x 20" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Akron™) .....	898.18	104.95
22 42 16 16-0042 EA 28" x 28" Enameled Cast Iron Floor Type Corner Service Sink With Removable Vinyl Coated Rim Guard (American Standard Florwell™) .....	1,137.48	138.85
22 42 16 16-0043 EA 12" x 12" x 10" Cast Iron Floor Sink With Dome Strainer And Full Grate (Zurn FD2377-PO3-F) .....	428.14	97.78
22 42 16 16-0044 EA 24" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB2424) .....	513.29	97.78
22 42 16 16-0045 EA 36" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB3624) .....	557.20	117.34
22 42 16 16-0046 EA 24" Bumper Guard (Fiat E-77AA-24) .....	41.41	3.26
22 42 16 16-0047 EA 36" Bumper Guard (Fiat E-77AA-36) .....	43.16	3.26
22 42 16 16-0048 EA 24" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2424-010) .....	468.99	97.78
22 42 16 16-0049 EA 36" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2436-010) .....	527.03	117.34
22 42 16 16-0050 EA 24" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-24) .....	565.61	97.78
22 42 16 16-0051 EA 36" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-3624) .....	697.92	117.34
<b>22 42 16 16-0052 Soapstone Sinks (22 42 16 16-0001)</b>		
22 42 16 16-0053 EA 26-1/2" x 18-1/2" x 7-3/4" Single Bowl Soapstone Sink .....	931.90	59.98
22 42 16 16-0054 SF Soapstone Sink Backsplash .....	153.29	
22 42 16 16-0055 EA 30" x 18-1/2" x 10" Single Bowl Soapstone Sink .....	1,208.58	69.75
22 42 16 16-0056 EA 36" x 18-1/2" x 10" Double Bowl Soapstone Sink .....	1,443.23	69.75
<b>22 42 16 16-0057 Stainless Steel Sink And Drainboard (22 42 16 16-0001)</b>		
22 42 16 16-0058 EA 24" x 24" Stainless Steel Sink With One Compartment And Drainboard, 14 Gauge Stainless Steel With Tubular Adjustable Legs (Advance Tabco 94-41-24-24L) .....	2,636.07	162.97
<b>22 42 16 16-0059 Sink Carriers (22 42 16 16)</b>		
<b>22 42 16 16-0060 Floor Mounted, Sink Carriers (22 42 16 16-0059)</b>		
Note: With support plates, adjustable coupling with 4" piping connection, mounting studs, structural uprights, welded feet and chrome plated trim.		
22 42 16 16-0061 EA Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling .....	485.62	24.78
For Vandal Proof Trim, Add		44.78
For Valve Plate For Attaching To Upright, Add		57.82
22 42 16 16-0062 EA Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling And 4" x 2" Waste Fitting .....	755.03	24.78
For Vandal Proof Trim, Add		44.78
For Auxiliary Vent, Add		132.45
22 42 16 16-0063 EA Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With Exposed Acid Resistant White Coated Arms .....	946.69	24.78
For Up To 4" Extension Sleeves And Hardware, Add		33.77
For Vandal Proof Trim, Add		44.78
<b>22 42 16 16-0064 Removal And Reinstallation Of Sink And Trim (22 42 16 16)</b>		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 16-0065 EA Removal And Reinstallation Of Wall Hung Service Sink With Faucet .....	262.86	
<b>22 42 19 Commercial Bathtubs (22 42)</b>		
<b>22 42 19 00-0001 Recessed Alcove Bathtubs (22 42 19)</b>		
<b>22 42 19 00-0002 Porcelain Enameled Cast Iron, Recessed Alcove Bathtubs (22 42 19 00-0001)</b>		
22 42 19 00-0003 EA 54" x 30-1/4" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Seaforth™) .....	1,324.12	181.22
22 42 19 00-0004 EA 60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Mendota®) .....	1,114.05	181.22
22 42 19 00-0005 EA 60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Dynamic®) .....	1,329.39	181.22
22 42 19 00-0006 EA 66" x 32" x 17", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Bellwether®) .....	1,751.87	181.22
<b>22 42 19 00-0007 Porcelain Enameled Steel, Recessed Alcove Bathtubs (22 42 19 00-0001)</b>		
22 42 19 00-0008 EA 60" x 30" x 14-1/4", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Salem®) .....	507.19	181.22
22 42 19 00-0009 EA 60" x 30" x 16-5/8", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Solar®) .....	522.24	181.22
<b>22 42 19 00-0010 Porcelain Finished Metal Alloy, Recessed Alcove Bathtubs (22 42 19 00-0001)</b>		
22 42 19 00-0011 EA 60" x 32" x 17-3/4", Porcelain Finished Metal Alloy, Recessed Alcove Bathtub (American Standard Cambridge™) .....	818.37	181.22
<b>22 42 19 00-0012 Acrylic, Recessed Alcove Bathtubs (22 42 19 00-0001)</b>		
22 42 19 00-0013 EA 60" x 32" x 19", Acrylic, Recessed Alcove Bathtub (Kohler® Archer®) .....	846.82	181.22
22 42 19 00-0014 EA 60" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®) .....	1,028.68	181.22
22 42 19 00-0015 EA 66" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®) .....	1,052.17	181.22
22 42 19 00-0016 EA 72" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®) .....	1,037.74	181.22
22 42 19 00-0017 EA 72" x 42" x 21", Acrylic, Recessed Alcove Bathtub (Kohler® Windward®) .....	1,089.67	181.22



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 19 00-0018			<b>Bathtub Refinishing</b> (22 42 19 00-0001)		
22 42 19 00-0019	EA		Refinish Porcelain Finished Bathtub With Acrylic Urethane Enamel.....	375.59	
22 42 19 00-0020			<b>Tub And Shower Combinations</b> (22 42 19)		
22 42 19 00-0021			<b>Acrylic Tub And Shower Combination</b> (22 42 19 00-0020)		
22 42 19 00-0022	EA		1 Piece, 60" x 32" x 72" Acrylic Tub And Shower (Delta 226032).....	715.38	60.99
			<i>For 2 Piece Enclosure, Deduct</i>	-155.31	
22 42 19 00-0023			<b>Fiberglass Tub And Shower Combination</b> (22 42 19 00-0020)		
22 42 19 00-0024	EA		1 Piece 60" x 32" x 72" Fiberglass Tub And Shower (Aquatic 2603-SG).....	658.59	60.99
22 42 19 00-0025	EA		2 Piece 60" x 30" x 72" Fiberglass Tub And Shower (Aquatic 2603-2P).....	543.92	40.66
22 42 19 00-0026	EA		4 Piece 60" x 32" x 75-1/2" Fiberglass Tub And Shower (Aquatic 26030-4P).....	1,057.93	92.06
22 42 19 00-0027	EA		3 Piece Tub/Shower Surrounds, 32" x 72" Side Walls, 48" x 72" Back, (Swanstone SK-324872).....	1,907.69	170.56
			<i>For 2 Piece Enclosure, Deduct</i>	-394.46	
22 42 23			<b>Commercial Showers</b> (22 42)		
22 42 23 00-0001			<b>Shower Enclosures</b> (22 42 23)		
			Note: Includes precast concrete receptors. Excludes plumbing hook-up and door or curtain.		
22 42 23 00-0002			<b>Powder Coated Or Baked Enamel Steel Shower Enclosure</b> (22 42 23 00-0001)		
22 42 23 00-0003	EA		32" x 32" x 82" Baked Enamel Steel Shower Enclosure (General Partitions).....	986.32	105.14
22 42 23 00-0004	EA		36" x 36" x 82" Baked Enamel Steel Shower Enclosure (General Partitions).....	986.32	105.14
22 42 23 00-0005	EA		40" x 40" x 82" Baked Enamel Steel Shower Enclosure (General Partitions).....	1,482.99	105.14
22 42 23 00-0006	EA		40" x 48" x 82" Handicapped, Baked Enamel Steel Shower Enclosure (General Partitions).....	1,630.43	105.14
22 42 23 00-0007			<b>Solid Plastic Core High Density Polymer (HDP) Shower Enclosure</b> (22 42 23 00-0001)		
22 42 23 00-0008	EA		32" x 32" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	1,614.91	105.14
22 42 23 00-0009	EA		36" x 36" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	1,614.91	105.14
22 42 23 00-0010	EA		40" x 40" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	2,313.35	105.14
22 42 23 00-0011	EA		40" x 48" x 82" Handicapped, Solid Plastic Shower Enclosure (General Partitions).....	2,584.96	105.14
22 42 23 00-0012			<b>Composite Fiberglass Shower Enclosure, 4 Piece Knock-Down</b> (22 42 23 00-0001)		
22 42 23 00-0013	EA		32" x 32" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3232CS).....	828.81	105.14
22 42 23 00-0014	EA		36" x 36" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3636CS).....	851.76	105.14
22 42 23 00-0015	EA		34" x 48" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 4834CS).....	874.71	105.14
22 42 23 00-0016	EA		30" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6030CSL).....	920.61	105.14
22 42 23 00-0017	EA		34" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6034CS).....	981.43	105.14
22 42 23 00-0018			<b>1 Piece Shower Units</b> (22 42 23)		
22 42 23 00-0019	EA		1 Piece, 32" x 32" x 73" Fiberglass Shower With Drain (Swanstone FS03232).....	692.35	60.99
22 42 23 00-0020	EA		1 Piece, 36" x 36" x 73" Fiberglass Shower With Drain (Swanstone FS03636).....	776.52	60.99
22 42 23 00-0021			<b>Personnel Type Shower Receptors</b> (22 42 23)		
22 42 23 00-0022			<b>Acrylic Shower Receptors</b> (22 42 23 00-0021)		
22 42 23 00-0023	EA		36" x 36" Acrylic Shower Receptor.....	352.41	26.56
22 42 23 00-0024	EA		42" x 42" Acrylic Shower Receptor.....	374.42	26.56
22 42 23 00-0025	EA		48" x 48" Acrylic Shower Receptor.....	418.37	26.56
22 42 23 00-0026	EA		60" x 60" Acrylic Shower Receptor.....	509.33	31.87
22 42 23 00-0027	EA		48" x 32" Acrylic Shower Receptor.....	353.45	26.56
22 42 23 00-0028	EA		48" x 36" Acrylic Shower Receptor.....	382.39	26.56
22 42 23 00-0029	EA		48" x 42" Acrylic Shower Receptor.....	436.24	26.56
22 42 23 00-0030	EA		60" x 30" Acrylic Shower Receptor.....	615.89	66.01
22 42 23 00-0031	EA		60" x 32" Acrylic Shower Receptor.....	481.94	31.87
22 42 23 00-0032	EA		60" x 36" Acrylic Shower Receptor.....	485.66	31.87
22 42 23 00-0033	EA		60" x 42" Acrylic Shower Receptor.....	489.08	31.87
22 42 23 00-0034	EA		60" x 48" Acrylic Shower Receptor.....	542.58	31.87
22 42 23 00-0035	EA		36" x 36" Acrylic Corner Shower Receptor.....	528.82	26.56
22 42 23 00-0036	EA		42" x 42" Acrylic Corner Shower Receptor.....	611.89	26.56
22 42 23 00-0037	EA		47-1/2" x 47-1/2" Acrylic Corner Shower Receptor.....	909.86	62.71
22 42 23 00-0038			<b>Molded Stone Shower Receptors</b> (22 42 23 00-0021)		
22 42 23 00-0039	EA		32" x 32" Molded Stone Shower Receptor (Fiat 32WL).....	224.43	26.56
22 42 23 00-0040	EA		34" x 34" Molded Stone Shower Receptor (Fiat 34WL).....	236.85	26.56
22 42 23 00-0041	EA		36" x 36" Molded Stone Shower Receptor (Fiat 36WL).....	238.23	26.56
22 42 23 00-0042	EA		42" x 42" Molded Stone Shower Receptor (Fiat 4242WL).....	299.63	26.56
22 42 23 00-0043	EA		42" x 34" Molded Stone Shower Receptor (Fiat 42WL).....	262.38	26.56
22 42 23 00-0044	EA		48" x 32" Molded Stone Shower Receptor (Fiat 4832WL).....	279.63	26.56
22 42 23 00-0045	EA		48" x 34" Molded Stone Shower Receptor (Fiat 48WL).....	281.70	26.56
22 42 23 00-0046	EA		54" x 34" Molded Stone Shower Receptor (Fiat 54WL).....	324.91	31.87



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 23 00-0047 EA 60" x 34" Molded Stone Shower Receptor (Fiat 60WL).....	338.02	31.87
22 42 23 00-0048 EA 36" x 36" Molded Stone Corner Shower Receptor (Fiat 36WLC).....	265.83	26.56
22 42 23 00-0049 EA 38" x 38" Molded Stone Corner Shower Receptor (Fiat 38WLC).....	273.42	26.56
<b>22 42 23 00-0050 Precast Terrazzo Shower Receptors (22 42 23 00-0021)</b>		
22 42 23 00-0051 EA 30" x 30" Precast Terrazzo Shower Receptor.....	449.34	26.56
22 42 23 00-0052 EA 32" x 32" Precast Terrazzo Shower Receptor.....	467.97	26.56
22 42 23 00-0053 EA 34" x 34" Precast Terrazzo Shower Receptor.....	485.22	26.56
22 42 23 00-0054 EA 36" x 36" Precast Terrazzo Shower Receptor.....	487.29	26.56
22 42 23 00-0055 EA 40" x 40" Precast Terrazzo Shower Receptor.....	536.27	26.56
22 42 23 00-0056 EA 42" x 42" Precast Terrazzo Shower Receptor.....	561.11	26.56
22 42 23 00-0057 EA 48" x 48" Precast Terrazzo Shower Receptor.....	801.20	26.56
22 42 23 00-0058 EA 36" x 32" Precast Terrazzo Shower Receptor.....	481.08	26.56
22 42 23 00-0059 EA 42" x 32" Precast Terrazzo Shower Receptor.....	490.97	26.56
22 42 23 00-0060 EA 42" x 34" Precast Terrazzo Shower Receptor.....	508.68	26.56
22 42 23 00-0061 EA 42" x 36" Precast Terrazzo Shower Receptor.....	530.75	26.56
22 42 23 00-0062 EA 32" x 48" Precast Terrazzo Shower Receptor.....	532.82	26.56
22 42 23 00-0063 EA 48" x 34" Precast Terrazzo Shower Receptor.....	561.11	26.56
22 42 23 00-0064 EA 54" x 32" Precast Terrazzo Shower Receptor.....	589.40	26.56
22 42 23 00-0065 EA 60" x 30" Precast Terrazzo Shower Receptor.....	801.39	31.87
22 42 23 00-0066 EA 60" x 32" Precast Terrazzo Shower Receptor.....	879.67	31.87
22 42 23 00-0067 EA 60" x 34" Precast Terrazzo Shower Receptor.....	883.51	31.87
22 42 23 00-0068 EA 60" x 36" Precast Terrazzo Shower Receptor.....	887.33	31.87
22 42 23 00-0069 EA 32" x 32" Precast Terrazzo Corner Shower Receptor.....	490.05	26.56
22 42 23 00-0070 EA 34" x 34" Precast Terrazzo Corner Shower Receptor.....	490.97	26.56
22 42 23 00-0071 EA 36" x 36" Precast Terrazzo Corner Shower Receptor.....	492.81	26.56
22 42 23 00-0072 EA 40" x 40" Precast Terrazzo Corner Shower Receptor.....	596.99	26.56
22 42 23 00-0073 EA 36" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor.....	1,110.97	26.56
22 42 23 00-0074 EA 60" x 30", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor.....	1,234.22	31.87
22 42 23 00-0075 EA 60" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor.....	1,288.03	31.87
<b>22 42 23 00-0076 Shower Receptors Accessories (22 42 23 00-0021)</b>		
22 42 23 00-0077 SF Polyvinyl Chloride (PVC) Shower Pan Liner.....	2.65	
<b>22 42 23 00-0078 Removal And Reinstallation Of Fixtures And Trim (22 42 23)</b>		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 23 00-0079 EA Removal And Reinstallation Of Shower Head.....	31.87	
<b>22 42 33 Wash Fountains (22 42)</b>		
<b>22 42 33 00-0001 Circular Wash Fountain, Deep Bowl (22 42 33)</b>		
Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.		
22 42 33 00-0002 EA 36" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2705F-A-LSD).....	10,534.20	98.83
<i>For Metal Soap Dispenser, Add</i> 100.00		
<i>For Stainless Steel Pedestal Panels, Add</i> 100.00		
22 42 33 00-0003 EA 36" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2805F-A-LSD).....	4,671.01	98.83
<i>For Metal Soap Dispenser, Add</i> 100.00		
<i>For Stainless Steel Pedestal Panels, Add</i> 100.00		
22 42 33 00-0004 EA 36" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3105AIRLSDE).....	8,304.98	98.83
<i>For Metal Soap Dispenser, Add</i> 100.00		
<i>For Stainless Steel Pedestal Panels, Add</i> 100.00		
22 42 33 00-0005 EA 54" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2708F-A-LSD).....	13,489.20	112.95
<i>For Metal Soap Dispenser, Add</i> 100.00		
<i>For Stainless Steel Pedestal Panels, Add</i> 100.00		
22 42 33 00-0006 EA 54" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2808F-A-LSD).....	5,392.96	112.95
<i>For Metal Soap Dispenser, Add</i> 100.00		
<i>For Stainless Steel Pedestal Panels, Add</i> 100.00		
22 42 33 00-0007 EA 54" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3108AIRLSDE).....	9,966.94	112.95
<i>For Metal Soap Dispenser, Add</i> 100.00		
<i>For Stainless Steel Pedestal Panels, Add</i> 100.00		
<b>22 42 33 00-0008 Semi-Circular Wash Fountain, Deep Bowl (22 42 33)</b>		
Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.		
22 42 33 00-0009 EA 36" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2703F-A-LSD).....	9,198.69	84.72
<i>For Metal Soap Dispenser, Add</i> 100.00		
<i>For Stainless Steel Pedestal Panels, Add</i> 100.00		
22 42 33 00-0010 EA 36" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2803F-A-LSD).....	4,280.59	84.72
<i>For Metal Soap Dispenser, Add</i> 100.00		
<i>For Stainless Steel Pedestal Panels, Add</i> 100.00		





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 33 00-0011	EA		36" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3103AIRLSDE).....	6,269.42	84.72
			<i>For Metal Soap Dispenser, Add</i> .....	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
22 42 33 00-0012	EA		54" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2704F-A-LSL).....	11,311.81	98.83
			<i>For Metal Soap Dispenser, Add</i> .....	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
22 42 33 00-0013	EA		54" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2804F-A-LSL).....	5,174.83	98.83
			<i>For Metal Soap Dispenser, Add</i> .....	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
22 42 33 00-0014	EA		54" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3104AIRLSDE).....	7,463.50	98.83
			<i>For Metal Soap Dispenser, Add</i> .....	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	

## 22 42 39 Commercial Faucets, Supplies, And Trim (22 42)

### 22 42 39 00-0001 Kitchen Faucets (22 42 39)

22 42 39 00-0002	EA		Top Cast Kitchen Faucet, Single Handle, Chrome Finish (Delta 140-DST).....	137.54	32.59
22 42 39 00-0003	EA		Top Cast Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 440-DST).....	156.08	32.59
22 42 39 00-0004	EA		Top Cast Kitchen Faucet, Single Handle, Stainless Steel Finish (Delta 140-SS-DST).....	237.79	32.59
22 42 39 00-0005	EA		Top Cast Kitchen Faucet With Spray, Single Handle, Stainless Steel Finish (Delta 440-SS-DST).....	277.39	32.59
22 42 39 00-0006	EA		Top Cast Kitchen Faucet, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2102LF-LHP+H24).....	127.75	32.59
22 42 39 00-0007	EA		Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2402LF-LHP+H24).....	140.81	32.59
22 42 39 00-0008	EA		Top Cast Kitchen Faucet, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21987LF).....	184.80	32.59
22 42 39 00-0009	EA		Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21996LF).....	129.59	32.59
22 42 39 00-0010	EA		Bottom Mount Kitchen Faucet, Single Handle, Chrome Finish (Delta 101LF-WF).....	124.65	32.59
22 42 39 00-0011	EA		Bottom Mount Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 175LF-WF).....	148.81	32.59
22 42 39 00-0012	EA		Bottom Mount Kitchen Faucet, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2274-LHP+H24).....	260.71	32.59
22 42 39 00-0013	EA		Bottom Mount Kitchen Faucet With Spray, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2276-LHP+H24).....	286.65	32.59
22 42 39 00-0014	EA		Top Cast Kitchen Faucet, Two Handle (Zurn Z-871CA).....	244.46	32.59
22 42 39 00-0015	EA		Deck Mount Sink Faucet, 8" Center Set, Lever Handles (Chicago Faucet 1100 ABCP).....	269.10	35.40
22 42 39 00-0016	EA		Deck Mount Sink Faucet, 8" Center Set, 4" Wristblade Handles (Chicago Faucet 1100-GN2AE3-317CP).....	267.84	35.40
22 42 39 00-0017	EA		Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 802-317CP).....	198.03	35.40
22 42 39 00-0018	EA		Chrome Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041CR).....	467.76	32.59
22 42 39 00-0019	EA		Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041NK).....	593.65	32.59
22 42 39 00-0020	EA		Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041RB).....	635.62	32.59
22 42 39 00-0021	EA		Chrome Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLTGT1041CR).....	467.76	32.59
22 42 39 00-0022	EA		Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLTGT1041NK).....	593.65	32.59
22 42 39 00-0023	EA		Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLTGT1041RB).....	635.62	32.59

### 22 42 39 00-0024 Lavatory Faucets (22 42 39)

22 42 39 00-0025	EA		Single Handle Centerset Lavatory Faucet, Polished Chrome Finish (Delta Lahara 538-MPU-DST).....	170.40	23.46
22 42 39 00-0026	EA		4" Centerset Lavatory Faucet With Chrome Lever Handle (Delta 501LF-WF).....	116.80	23.46
22 42 39 00-0027	EA		4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2523LF-MPU).....	146.12	23.46
22 42 39 00-0028	EA		4" Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2529LF-HDM).....	160.74	23.46
22 42 39 00-0029	EA		Classic Style Widespread Lavatory Faucet With Chrome Lever Handles (Delta 3530LF-MPU).....	198.50	23.46
22 42 39 00-0030	EA		Widespread Lavatory Gooseneck Faucet With Chrome Lever Handles (Delta 3579LF-WFHDF).....	232.04	23.46
22 42 39 00-0031	EA		Self Closing/Metered Faucet, Brass, Single Hole, Push Handle (Delta 86T104).....	139.81	23.46
22 42 39 00-0032	EA		Self Closing/Metered Faucet, Double Hole, Push Handles (American Standard 1340.225.002).....	215.30	23.46
22 42 39 00-0033	EA		Single Inlet, Push Handle Metering Faucet, ADA (Chicago Faucet 333-665).....	153.84	23.46
22 42 39 00-0034	EA		3" Reach, 4-Arm Handle Single Basin Faucet (T&S Brass 0710).....	157.51	23.46
22 42 39 00-0035	EA		3" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0712).....	191.19	23.46
22 42 39 00-0036	EA		4" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0805).....	187.21	23.46
22 42 39 00-0037	EA		4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Zurn Z81104).....	152.08	23.46

### 22 42 39 00-0038 Bath And Shower Faucets (22 42 39)

#### 22 42 39 00-0039 Bath And Shower Faucets With Valve Body (22 42 39 00-0039)

22 42 39 00-0040	EA		Single Lever Handle Chrome Tub Filler, Pressure-Balance (American Standard T480 500).....	156.53	28.29
22 42 39 00-0041	EA		Single Lever Handle, Chrome Shower Only, Pressure-Balance (American Standard T480.501).....	184.18	28.29
22 42 39 00-0042	EA		Single Lever Handle, Chrome Shower And Tub Filler, Pressure-Balance (American Standard T480.502).....	201.91	28.29
22 42 39 00-0043	EA		Two Lever Handle, Chrome Tub Filler (American Standard Colony Soft 3275.505).....	144.48	28.29
			<i>For Faucet With Metal Cross Handles, Add</i> .....	45.75	
22 42 39 00-0044	EA		Two Lever Handle, Chrome Shower Only (American Standard Colony Soft 3275.501).....	151.57	28.29
			<i>For Faucet With Metal Cross Handles, Add</i> .....	45.75	
22 42 39 00-0045	EA		Two Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3275.502).....	172.13	28.29
			<i>For Faucet With Metal Cross Handles, Add</i> .....	45.75	
22 42 39 00-0046	EA		Three Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3375.502).....	195.53	28.29
			<i>For Faucet With Metal Cross Handles, Add</i> .....	45.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 42 39 00-0047</b>	<b>Service Sink Faucets (22 42 39)</b>	
22 42 39 00-0048 EA 4-5/8" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet, Lever Handles (Kohler® Kinlock™).....	338.46	54.27
22 42 39 00-0049 EA 3" Spout, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8340.235).....	239.61	54.27
22 42 39 00-0050 EA 3" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8340.243).....	258.76	54.27
22 42 39 00-0051 EA 6" Spout With Vacuum Breaker And Top Brace, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8344.012).....	268.68	54.27
22 42 39 00-0052 EA 7-1/4" Spout With Bottom Fork Brace, Wall Mount Service Sink Faucet, Stops In Integral Arm, Wrist Blade Handles (American Standard 8355.101).....	350.20	76.07
22 42 39 00-0053 EA 7-1/4" Spout With Vacuum Break And Bottom Fork Brace, Wall Mount Service Sink Faucet, Stops In Integral Arm, Wrist Blade Handles (American Standard 8355.110).....	392.02	86.70
22 42 39 00-0054 EA 11" Spout With Bottom Fork Brace, Wall Mount Service Sink Faucet, Stops In Integral Arm, Wrist Blade Handles (American Standard 8345.115).....	454.42	86.70
22 42 39 00-0055 EA Wall Mount Service Sink Faucet With Atmospheric Vacuum Breaker Spout, Lever Handles (Chicago Faucet 305-VBRFC).....	266.59	54.27
22 42 39 00-0056 EA 44" Flexible Stainless Steel Hose With Insulated Handle, 23" Riser, Pre-Rinse Faucet (Chicago Faucet 923-XKCAB).....	548.59	86.70
22 42 39 00-0057 EA Wall Mounted Mixing Faucet With Integral Stop, Vacuum Breaker, And Wall Brass (Fiat 830-AA).....	237.48	54.27
22 42 39 00-0058 EA 30" Long, 5/8" Rubber Hose And Stainless Steel Hose Bracket (Fiat 832-AA).....	37.17	4.89
22 42 39 00-0059 EA Stainless Steel Mop Hanger (Fiat 889-CC).....	83.00	6.51
22 42 39 00-0060 EA 1/2" Thermostatic Mixing Valve (Watts 1170-US/UT).....	254.41	86.70
<b>22 42 39 00-0061</b>	<b>Laboratory Faucets And Fittings (22 42 39)</b>	
22 42 39 00-0062 EA Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 927).....	137.22	23.08
22 42 39 00-0063 EA Hot And Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 929).....	225.40	32.59
22 42 39 00-0064 EA Hot And Cold Faucet With Vacuum Breaker, Single Deck Mount Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 930).....	293.63	32.59
22 42 39 00-0065 EA Cold Wall Mount, Gooseneck Spout With Aerator, Laboratory Faucet (Chicago Faucet 933).....	178.95	30.44
22 42 39 00-0066 EA Hot And Cold Wall Mount, 6" Spout With Aerator, Laboratory Faucet (Chicago Faucet 940).....	242.85	43.42
22 42 39 00-0067 EA Hot And Cold Wall Mount, 6" Spout With Aerator And Vacuum Breaker, Laboratory Faucet (Chicago Faucet 940-VBE7-CP).....	331.81	43.42
22 42 39 00-0068 EA Hot And Cold Faucet, Dual Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 946).....	265.78	32.59
22 42 39 00-0069 EA Hot And Cold Wall Mount, Gooseneck Spout With Aerator Laboratory Faucet (Chicago Faucet 942).....	259.01	43.42
22 42 39 00-0070 EA Single Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 350-CP).....	170.20	25.06
22 42 39 00-0071 EA Dual Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 50-CP).....	239.76	35.40
22 42 39 00-0072 EA Deck Mount Lavatory Faucet, 4" Center Set, Lever Handles (Chicago Faucet 802).....	183.38	35.40
22 42 39 00-0073 EA Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 895-317CP).....	225.22	35.40
22 42 39 00-0074 EA Gas Ball Valve, Removable Nozzle, With Index Button (Chicago Faucet 909-AGVCP).....	56.70	21.77
22 42 39 00-0075 EA Dual Service Lab Fitting, Two Gas And One Water Outlet (Chicago Faucet 1332-CP).....	369.00	39.11
22 42 39 00-0076 EA Dual Service Lab Fitting With Wristblade Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-317CP).....	476.49	39.11
22 42 39 00-0077 EA Dual Service Lab Fitting With Metal Cross Handle, Inline Vacuum Breaker, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7-204CP).....	574.41	39.11
22 42 39 00-0078 EA Dual Service Lab Fitting With Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7CP).....	507.17	39.11
22 42 39 00-0079 EA Dual Service Lab Fitting With Chemical Resistant Coating And Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7SAM).....	605.22	39.11
22 42 39 00-0080 EA Single, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-131WSA).....	91.43	21.51
22 42 39 00-0081 EA 90 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132AWSA).....	127.96	25.81
22 42 39 00-0082 EA 180 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132SWSA).....	127.96	25.81
22 42 39 00-0083 EA Three Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-133WSA).....	164.49	30.12
22 42 39 00-0084 EA Four Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-134WSA).....	201.02	34.42
<b>22 42 39 00-0085</b>	<b>Laboratory Countertop Faucets (22 42 39)</b>	
Note: Includes final connection. Excludes rough-in.		
22 42 39 00-0086 EA 6" Gooseneck Deck Mount Single Valve Faucet (Fisher Hamilton 32L391).....	154.48	17.71
22 42 39 00-0087 EA 6" Gooseneck Deck Mount Hot And Cold Valve Faucet (Fisher Hamilton 32L406).....	213.30	17.71
22 42 39 00-0088 EA Deionozed Water 6" Gooseneck Deck Mount Single Valve Faucet (Fisher Hamilton 32L512).....	215.65	17.71
22 42 39 00-0089 EA Turret Deck Mount Air Or Gas Valve (Fisher Hamilton 30L535).....	69.40	10.62
<b>22 42 39 00-0090</b>	<b>Gooseneck Faucets With Independent Eyewash (22 42 39)</b>	
22 42 39 00-0091 EA Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA).....	612.03	24.44
22 42 39 00-0092 EA Single Lever Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-SL).....	664.93	22.82
22 42 39 00-0093 EA 8" Stem, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8).....	860.35	24.44
22 42 39 00-0094 EA Serrated Tip With Vacuum Breaker, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-ST).....	909.23	24.44
22 42 39 00-0095 EA Thermostatic Mixing Valve Kit For The SEF-1800 (Speakman SEF-TW).....	1,109.78	16.30
22 42 39 00-0096 EA Foot Pedal Activation, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-FP).....	1,329.33	40.74
22 42 39 00-0097 EA Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-TW).....	1,862.59	40.74
22 42 39 00-0098 EA 8" Stem, Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8TW).....	1,924.80	40.74
22 42 39 00-0099 EA Adjustable Aerated Outlet Heads, Gooseneck Faucet Mounted Eyewash (WaterSaver EW101).....	165.35	24.78
22 42 39 00-0100 EA Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW200).....	181.31	24.78
22 42 39 00-0101 EA Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW201).....	195.25	24.78
22 42 39 00-0102 EA 6 Gallon Capacity, Tempering Valve (WaterSaver AP3600).....	835.97	16.30



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0103			<b>Bubblers And Glass Fillers</b> (22 42 39)		
22 42 39 00-0104	EA		Self-Closing Bubbler Faucet, Metering Handle (Chicago Faucet 748-665CP).....	245.00	23.08
22 42 39 00-0105	EA		Wall Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 313-CP).....	216.69	30.44
22 42 39 00-0106	EA		7" Overall Outlet Height, Deck Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 709-CP).....	241.61	23.08
22 42 39 00-0107	EA		Wall Mount, Push Button Single Glass Filler (Chicago Faucet 324-CP).....	146.15	33.07
22 42 39 00-0108	EA		Deck Mount, Lever Handle Drinking Faucet (Haws 5054LF).....	287.12	25.06
22 42 39 00-0109	EA		Push Button Bubbler, 1/2" OD (Haws 5017LF).....	291.02	25.06
22 42 39 00-0110	EA		Push Button Bubbler, 3/8" NPT (Haws 5010-6427).....	241.74	25.06
22 42 39 00-0111			<b>Electronic Infrared Sensor Faucets</b> (22 42 39)		
22 42 39 00-0112	EA		Electronic Lavatory Faucet (American Standard 6055.205.002).....	445.95	54.37
			<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0113	EA		Electronic Lavatory Gooseneck Faucet (American Standard 6055.105.002).....	450.20	54.37
			<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0114	EA		Electronic Gooseneck Faucets (Chicago Faucet 116.103.AB.1).....	605.87	59.06
22 42 39 00-0115	EA		Electronic Lavatory Faucet (Chicago Faucet 116.112.AB.1).....	632.60	54.37
22 42 39 00-0116	EA		Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880).....	942.77	59.06
22 42 39 00-0117	EA		Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880-BDT).....	1,182.50	59.06
22 42 39 00-0118	EA		Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-35187).....	1,103.89	59.06
22 42 39 00-0119	EA		Solar Powered, Electronic Lavatory Faucet With Integral Mixing Valve (Sloan Solis EAF-275-ISM).....	768.49	54.37
22 42 39 00-0120	EA		Electronic Lavatory Faucet, AC Power, Deck Mount (T&S Brass EC1100).....	588.49	54.37
22 42 39 00-0121	EA		Electronic Lavatory Faucet, AC Power, Wall Mount (T&S Brass EC1101).....	621.56	54.37
22 42 39 00-0122	EA		Electronic Lavatory Faucet, Spout Version, AC Power, Deck Mount (T&S Brass EC1102).....	538.89	54.37
22 42 39 00-0123	EA		Electronic Lavatory Faucet, DC Power, Deck Mount (T&S Brass EC2100).....	621.56	54.37
22 42 39 00-0124	EA		Electronic Lavatory Faucet, Spout Version, DC Power, Deck Mount (T&S Brass EC2102).....	543.50	54.37
22 42 39 00-0125	EA		Electronic Lavatory Gooseneck Faucet, AC Power, Deck Mount (T&S Brass EC3100).....	543.50	54.37
22 42 39 00-0126	EA		Electronic Lavatory Gooseneck Faucet, AC Power, Wall Mount (T&S Brass EC3101).....	611.48	54.37
22 42 39 00-0127	EA		Electronic Lavatory Faucet, Spout Version, AC Power, Deck Mount (T&S Brass EC3102).....	519.14	54.37
22 42 39 00-0128	EA		Electronic Lavatory Faucet, Spout Version, AC Power, 4" Deck Mount (T&S Brass EC3103).....	498.29	54.37
22 42 39 00-0129	EA		Self-Generating EcoPower System, Single Supply Sensor Faucet, Standard Spout (Toto "Eco-Power" TEL3GKCN-60).....	921.73	54.37
22 42 39 00-0130			<b>Other Trim</b> (22 42 39)		
22 42 39 00-0131	EA		Faucet Aerator, Male Thread 13/16" Male, 2 GPM (Delta RP330).....	12.35	3.54
22 42 39 00-0132	EA		1-1/2" Pop-up Tailpiece (Chicago Faucet 226-ACP).....	78.12	10.62
22 42 39 00-0133	EA		1-1/4" Grid Strainer Tailpiece (Chicago Faucet 327-XCP).....	33.49	8.85
22 42 39 00-0134	EA		1-1/2" Grid Strainer Tailpiece (Chicago Faucet 327-X1-1/2TPCP).....	77.34	8.85
22 42 39 00-0135	EA		Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Lav Guard 102).....	51.69	9.78
22 42 39 00-0136	EA		Soft Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Soft-Guard Plus).....	54.56	9.78
22 42 39 00-0137	EA		Lavatory Protective Enclosure (IPS Truebro Lav Shield).....	149.15	9.78
22 42 39 00-0138	EA		36" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard).....	186.11	9.78
22 42 39 00-0139	EA		42" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard).....	212.96	9.78
22 42 39 00-0140	EA		1/2" NPT x 3/8" Compression Chrome, Quarter Turn Angle Stop (SharkBite 23036).....	24.63	6.85
22 42 39 00-0141	EA		1/2" NPT x 3/8" Compression Chrome, Quarter Turn Straight Stop (SharkBite 23037).....	24.63	6.85
22 42 39 00-0142	EA		1/2" NPT x 3/8" Compression Chrome, Quarter Turn Dual Angle Stop (SharkBite 25558).....	34.60	6.85
22 42 39 00-0143	EA		16" Long, 3/8" OD x 1/2" IPS, Stainless Steel Braided Sink Supply Line (Pair).....	23.14	7.53
22 42 39 00-0144	EA		12" Long, 3/8" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line.....	14.45	4.42
22 42 39 00-0145	EA		12" Long, 1/2" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line.....	14.91	4.42
22 42 39 00-0146			<b>Shower Valves And Trim</b> (22 42 39)		
			See CSI section 22 41 39 00-0017 for residential shower valves and heads.		
22 42 39 00-0147	EA		Removable Hand Held Shower With Hose Wall Hook And Inline Vacuum Breaker (Powers 141-318 with 141-319).....	250.34	44.00
22 42 39 00-0148	EA		Concealed Thermostatic/Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 2502-600CP).....	574.88	44.00
22 42 39 00-0149	EA		Concealed Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 1762-ISCP).....	396.10	44.00
22 42 39 00-0150	EA		Senior Institutional Shower Head (Symmons® 4-150).....	152.10	28.29
22 42 39 00-0151	EA		Universal Institutional Shower Head (Symmons® 4-151).....	257.68	28.29
22 42 39 00-0152	EA		Fre-Flo Institutional Shower Head (Symmons® 4-295).....	179.89	28.29
22 42 39 00-0153	EA		Fre-Flo Institutional Shower Head With Short Arm (Symmons® 4-385).....	134.37	28.29
22 42 39 00-0154	EA		Wall Mounted Shower Valve And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-300-B30-V-X).....	576.72	42.37
22 42 39 00-0155	EA		Wall Mounted Shower Valve, Tub Faucet, And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-400-B30-V-X).....	469.98	48.90
22 42 39 00-0156	EA		Wall Mounted Shower Valve, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-500-B30-V-X).....	624.06	48.90
22 42 39 00-0157	EA		Wall Mounted Shower Valve, Tub Faucet, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-600-B30-V-X).....	882.43	52.15
22 42 39 00-0158	EA		Stainless Steel Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-801S/1-802S).....	801.50	44.00
			<i>For Hand Spray, Hose And Wall Hooks, Add</i>	106.44	
			<i>For Recessed Soap Dish, Add</i>	108.12	
			<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	165.51	
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0159	EA		Stainless Steel Corner Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-807).....	955.37	44.00
			<i>For Hand Spray, Hose And Wall Hooks, Add</i>	106.44	
			<i>For Recessed Soap Dish, Add</i>	108.12	
			<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	165.51	
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	



<b>Plumbing</b>	<b>22</b>	<b>22</b>
<b>Plumbing Fixtures</b>	<b>22 40</b>	
<b>Commercial Plumbing Fixtures</b>	<b>22 42</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0160	EA		Stainless Steel Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S).....	646.40	44.00
			<i>For Hand Spray, Hose And Wall Hooks, Add</i> .....	19.32	
			<i>For Hand Spray, Hose And 30" Slide Bar, Add</i> .....	78.39	
			<i>For Pressure Balance And Metering Combination, Add</i> .....	291.63	
22 42 39 00-0161	EA		Stainless Steel Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-911RS).....	982.42	44.00
			<i>For Pressure Balance And Metering Combination, Add</i> .....	291.63	
22 42 39 00-0162	EA		Stainless Steel Double Outlet Institutional Shower System With Thru-Ceiling Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-902S-FS).....	1,054.85	44.00
			<i>For Hand Spray, Hose And 30" Slide Bar, Add</i> .....	59.07	
			<i>For Pressure Balance And Metering Combination, Add</i> .....	291.63	
22 42 39 00-0163	EA		Stainless Steel Institutional Triple Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-931).....	1,957.03	44.00
			<i>For Recessed Soap Dish, Add</i> .....	83.94	
			<i>For Pressure Balance And Metering Combination, Add</i> .....	227.79	
22 42 39 00-0164	EA		Stainless Steel Institutional Double Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-921).....	1,707.90	44.00
			<i>For Recessed Soap Dish, Add</i> .....	83.94	
			<i>For Pressure Balance And Metering Combination, Add</i> .....	291.63	
22 42 39 00-0165	EA		Stainless Steel Tub And Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-941-231).....	850.85	44.00
22 42 39 00-0166	EA		Stainless Steel Double Outlet Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Hand Spray, Hose, Wall Hooks, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-912RS-FS).....	1,313.02	44.00
			<i>For Hand Spray, Hose And 30" Slide Bar, Add</i> .....	59.07	
			<i>For Pressure Balance And Metering Combination, Add</i> .....	291.63	
22 42 39 00-0167	EA		Stainless Steel Single Supply Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-60).....	849.69	44.00
22 42 39 00-0168	EA		Stainless Steel Single Supply Single Outlet Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-22-FS).....	847.13	44.00
			<i>For Hand Spray, Hose And 30" Slide Bar, Add</i> .....	59.07	
22 42 39 00-0169	EA		Single Lever Handle, Chrome, Pressure-Balance, Shower System (Symmons SafetyMix 1-100-X-3/4).....	626.03	39.11
22 42 39 00-0170	EA		Single Lever Handle, Chrome, Pressure-Balance, Shower Valve (Symmons SafetyMix 4-500).....	484.86	28.29
22 42 39 00-0171			<b>Removal And Reinstallation Of Fixtures And Trim</b> (22 42 39) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 39 00-0172	EA		Removal And Reinstallation Of Faucet.....	56.65	
<b>22 42 43 Flushometers</b> (22 42)					
22 42 43 00-0001			<b>Water Closet Flush Valves</b> (22 42 43)		
22 42 43 00-0002	EA		Exposed Manual Water Closet Flush Valve (Sloan Regal-115XL).....	184.75	22.22
22 42 43 00-0003	EA		Exposed Manual Water Closet Flush Valve (Sloan Regal-113-1.6).....	179.03	22.22
22 42 43 00-0004	EA		Exposed Manual Water Closet Flush Valve (Sloan Regal-110 Or 111).....	208.18	22.22
22 42 43 00-0005	EA		Concealed Manual Water Closet Flush Valve, Back Spud (Sloan Royal-140).....	287.34	22.22
22 42 43 00-0006	EA		Concealed Manual Water Closet Flush Valve, Top Spud (Sloan Royal-142).....	320.21	22.22
22 42 43 00-0007	EA		Exposed Infrared Water Closet Flush Valve (Sloan Royal 115-1.6 ES-S).....	590.04	22.22
22 42 43 00-0008	EA		Concealed Infrared Water Closet Flush Valve, Back Spud (Sloan Royal-140 ES-S).....	589.58	22.22
22 42 43 00-0009	EA		Concealed Infrared Water Closet Flush Valve, Top Spud (Sloan Royal-153-1.6-ES-S).....	622.73	22.22
22 42 43 00-0010	EA		Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8113).....	578.22	22.22
22 42 43 00-0011	EA		Dual Flush Water Closet Flush Valve (Sloan Uppercut WES-115).....	253.81	22.22
			Note: "Green", 1.6 Gallons or 1.1 Gallons per flush. Includes instructional placards on proper operation.		
22 42 43 00-0012	EA		Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8110).....	515.73	22.22
22 42 43 00-0013	EA		Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima EBV-89AM).....	285.30	22.22
22 42 43 00-0014	EA		Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40118X).....	249.76	22.22
22 42 43 00-0015	EA		Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima Smooth EBV-200A).....	253.23	19.55
22 42 43 00-0016	EA		Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40180X).....	275.56	19.55
22 42 43 00-0017	EA		Exposed Battery Powered Water Closet Flush Valve (Sloan Royal Optima 110 Smooth).....	439.27	22.22
22 42 43 00-0018	EA		Automatic Water Closet And Urinal Cleaning System.....	252.61	32.59
22 42 43 00-0019	EA		Exposed Infrared Water Closet Flush Valve 1.28 GPF (Toto EcoPower TET1LN).....	598.62	22.22
22 42 43 00-0020	EA		Exposed Infrared Water Closet Flush Valve (1-1/2" V.B.) 1.28 GPF (Toto EcoPower TET1LN32).....	656.40	22.22
22 42 43 00-0021	EA		Concealed Infrared Water Closet Flush Valve, Back Spud 1.28 GPF (Toto EcoPower TET2LN31 Or TET3LN31).....	835.15	22.22
22 42 43 00-0022	EA		Concealed Infrared Water Closet Flush Valve, Top Spud 1.28 GPF (Toto EcoPower TET2LN32 Or TET3LN32).....	835.15	22.22
22 42 43 00-0023	EA		Exposed Infrared Water Closet Flush Valve (Zurn ZEMS6000AV-HET-IS).....	541.33	22.22
22 42 43 00-0024	EA		Exposed Infrared Water Closet Flush Valve (Zurn ZTS6200EV).....	536.40	22.22
22 42 43 00-0025	EA		Exposed Manual Water Closet Flush Valve (Zurn Z6000AV-HET).....	199.08	22.22
22 42 43 00-0026	EA		Exposed Battery Powered Water Closet Flush Valve (Zurn ZER6000AV-HET).....	550.26	22.22
22 42 43 00-0027	EA		Slide Over Handle AC Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan EL-600-A).....	265.82	19.55
22 42 43 00-0028	EA		6 Volt DC, 120 Volt AC Hardwired Power Transformer (Sloan EL-451).....	82.70	3.68
22 42 43 00-0029	EA		Exposed Solar/Battery Powered Water Closet Flush Valve (Sloan Solis 8111-1.28).....	503.40	22.22

<b>22</b>	<b>Plumbing</b>
<b>22 40</b>	<b>Plumbing Fixtures</b>
<b>22 42</b>	<b>Commercial Plumbing Fixtures</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 43 00-0030			<b>Urinal Flush Valves</b> (22 42 43)		
22 42 43 00-0031	EA		Exposed Manual Urinal Flush Valve, 3/4" Top Spud (Sloan Regal 186 XL) .....172.56	172.56	22.22
			Note: 0.5, 1.0 or 1.5 GPF.		
22 42 43 00-0032	EA		Exposed Manual Urinal Flush Valve, 1-1/4" Top Spud (Sloan Regal 180).....186.61	186.61	22.22
			Note: 1.0, 1.5 or 3.5 GPF.		
22 42 43 00-0033	EA		Concealed Manual Urinal Flush Valve, Back Spud (Sloan Royal 195) .....253.75	253.75	22.22
			Note: 1.0 or 1.5 GPF.		
22 42 43 00-0034	EA		Concealed Manual Urinal Flush Valve, Top Spud (Sloan Royal 197).....309.06	309.06	22.22
			Note: 1.0 or 1.5 GPF.		
22 42 43 00-0035	EA		Exposed Infrared Urinal Flush Valve (Sloan Royal 186-ES-S) .....491.37	491.37	22.22
			Note: 1.0 or 1.5 GPF.		
22 42 43 00-0036	EA		Concealed Infrared Urinal Flush Valve, Back Spud (Sloan Royal 195-WB-ES-S) .....663.47	663.47	22.22
			Note: 0.5, 1.0 or 1.5 GPF.		
22 42 43 00-0037	EA		Concealed Infrared Urinal Flush Valve, Top Spud (Sloan Royal 197-WB-ES-S).....745.44	745.44	22.22
			Note: 0.5, 1.0 or 1.5 GPF.		
22 42 43 00-0038	EA		Exposed Battery Powered Urinal Flush Valve, Top Spud (Sloan G2 Opt+8186-1).....483.14	483.14	22.22
			Note: 1.0 GPF.		
22 42 43 00-0039	EA		Exposed Infrared Urinal Flush Valve (3/4" V.B.) (Toto EcoPower TEU1LN12).....652.68	652.68	22.22
			Note: 0.5 GPF.		
22 42 43 00-0040	EA		Exposed Battery Powered Urinal Flush Valve, Top Spud (Sloan G2 Opt 8180) .....483.14	483.14	22.22
			Note: 1.0, 1.5 or 3.5 GPF.		
22 42 43 00-0041	EA		Exposed Manual Urinal Flush Valve, 3/4" Top Spud (Zurn Z6003AV).....208.14	208.14	22.22
			Note: 0.5, 1.0 or 1.5 GPF.		
22 42 43 00-0042	EA		Exposed Solar/Battery Powered Urinal Flush Valve, Top Spud (Sloan Solis 8186-0.13) .....470.81	470.81	22.22
			Note: 0.13 GPF.		
22 42 43 00-0043	EA		Exposed Manual Urinal Flush Valve, 3/4" Top Spud (Zurn Z6003AV-ULF) .....198.94	198.94	22.22
			Note: 0.125 GPF.		
22 42 43 00-0044	EA		Exposed Battery Powered Urinal Flush Valve, Top Spud (Zurn ZTR6203-ULF) .....521.78	521.78	22.22
			Note: 0.125 GPF.		
22 42 43 00-0045	EA		Exposed Infrared Urinal Flush Valve (Zurn ZEMS6003AV-ULF-IS).....523.14	523.14	22.22
			Note: 0.125 GPF.		
22 42 43 00-0046			<b>Plumbing Control Transformers</b> (22 42 43)		
22 42 43 00-0047	EA		6 Volt DC, 120 Volt AC Plug In Style Power Transformer (Zurn P6000-PC6).....37.58	37.58	
22 42 43 00-0048			<b>Removal And Reinstallation Of Fixtures And Trim</b> (22 42 43)		
			Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 43 00-0049	EA		Removal And Reinstallation Of Flush Valve .....88.52	88.52	
22 42 46			<b>Chemical Toilets</b> (22 42)		
			Note: Includes toilet, urinal, holding tank, and ventilation system. Building to be priced separately.		
22 42 46 00-0001			<b>Standard Chemical Toilets</b> (22 42 46)		
22 42 46 00-0002			<b>Small Tank Chemical Toilets</b> (22 42 46 00-0001)		
22 42 46 00-0003	EA		Chemical Toilet, Small Tank 7,000 Uses/Year.....2,762.67	2,762.67	651.88
			For Extra Urinal, Add	93.74	
22 42 46 00-0004			<b>Medium Tank Chemical Toilets</b> (22 42 46 00-0001)		
22 42 46 00-0005	EA		Chemical Toilet, Medium Tank 13,000 Uses/Year.....3,280.03	3,280.03	776.39
			For Extra Urinal, Add	110.71	
22 42 46 00-0006			<b>Large Tank Chemical Toilets</b> (22 42 46 00-0001)		
22 42 46 00-0007	EA		Chemical Toilet, Large Tank 28,000 Uses/Year .....4,078.43	4,078.43	880.69
			For Extra Urinal, Add	161.45	
22 43			<b>Healthcare Plumbing Fixtures</b> (22 40)		
22 43 13			<b>Healthcare Water Closets</b> (22 43)		
22 43 13 00-0001			<b>Healthcare Water Closets</b> (22 43 13)		
22 43 13 00-0002	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Priolo® ADA).....649.72	649.72	67.79
22 43 13 00-0003	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Madera™ ADA).....487.16	487.16	67.79
22 43 16			<b>Healthcare Sinks</b> (22 43)		
22 43 16 00-0001			<b>Healthcare Sinks</b> (22 43 16)		
			Note: Includes trap, drain and supply valves. Excludes faucets and flush valves.		
22 43 16 00-0002	EA		25" x 21", Wall Mounted, Blow Out Flushing Rim, Vitreous China Clinic Service Sink (American Standard) .....1,090.91	1,090.91	43.67
			For Stainless Steel Rim Guards (Three Sides), Add	108.74	



	<b>Plumbing</b>	<b>22</b>
	<b>Plumbing Fixtures</b>	<b>22 40</b>
	<b>Healthcare Plumbing Fixtures</b>	<b>22 43</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 43 16 00-0003	EA		29" x 20", Floor Mounted, Siphon Jet Flushing Rim, Vitreous China Clinic Service Sink (American Standard)..... <i>For Stainless Steel Rim Guards (Three Sides), Add</i> <i>For Pedestal Base, Add</i>	1,137.94 108.74 498.57	125.49
22 43 16 00-0004	EA		28" x 22", Wall Mounted, Vitreous China Surgeon's Scrub Sink (American Standard)..... <i>For Painted Bracket Supports, Add</i>	1,043.04 165.10	43.67
22 43 16 00-0005	EA		20" x 17", Wall Mounted, Vitreous China Intensive Care Unit Sink (American Standard).....	899.42	43.67
<b>22 43 16 00-0006</b>			<b>Surgical Scrub Sinks</b> <small>(22 43 16)</small>		
22 43 16 00-0007	EA		25" Wide x 20" Deep x 43" High Single Surgical Scrub Sink (FHCSS25-IR)..... Note: Features infra red sensor operated water, under counter mixing valve, swivel gooseneck spout with aerator. Unit will be supported by a z-bracket and main support bracket supplied with the sink.	2,962.36	97.78
22 43 16 00-0008	EA		32" Wide x 27-1/2" Deep x 37-1/8" High Single Surgical Scrub Sink (FHCSS32)..... Note: Features knee operated water and soap, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support. 14 gauge 304 SS and skirts are 16 gauge 304 SS.	4,540.15	130.38
22 43 16 00-0009	EA		32" Wide x 27-1/2" Deep x 37-1/8" High Single Surgical Scrub Sink (FHCSS32-IR)..... Note: Features infra red sensor operated water, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support. 14 gauge 304 SS and skirts are 16 gauge 304 SS.	4,540.15	130.38
22 43 16 00-0010	EA		64" Wide x 27-1/2" Deep x 37-1/8" High Double Surgical Scrub Sink (FHCSS64)..... Note: Features knee operated water and soap, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support. 14 gauge 304 SS and skirts are 16 gauge 304 SS.	5,991.89	162.97
22 43 16 00-0011	EA		64" Wide x 27-1/2" Deep x 37-1/8" High Double Surgical Scrub Sink (FHCSS64-IR)..... Note: Features infra red sensor operated water, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support. 14 gauge 304 SS and skirts are 16 gauge 304 SS.	5,991.89	162.97
22 43 16 00-0012	EA		96" Wide x 27-1/2" Deep x 37-1/8" High Triple Surgical Scrub Sink (FHCSS96)..... Note: Features knee operated water and soap, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support. 14 gauge 304 SS and skirts are 16 gauge 304 SS.	7,821.78	195.56
22 43 16 00-0013	EA		96" Wide x 27-1/2" Deep x 37-1/8" High Triple Surgical Scrub Sink (FHCSS96-IR)..... Note: Features infra red sensor operated water, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support. 14 gauge 304 SS and skirts are 16 gauge 304 SS.	7,821.78	195.56
22 43 16 00-0014	EA		Single Chair Carrier (FHC P-617106-846).....	318.37	48.90
22 43 16 00-0015	EA		Double Chair Carrier (FHC P-617106-851).....	337.49	52.15
22 43 16 00-0016	EA		Triple Chair Carrier (FHC P-617106-852).....	369.22	55.41
<b>22 43 39</b>			<b>Healthcare Faucets</b> <small>(22 43)</small>		
<b>22 43 39 00-0001</b>			<b>Medical Faucet Spouts</b> <small>(22 43 39)</small>		
22 43 39 00-0002	EA		Deck Mounted, Rigid Gooseneck Medical Lavatory Spout (American Standard 7522).....	88.88	9.78
<b>22 43 39 00-0003</b>			<b>Electronic Proximity Medical Faucets</b> <small>(22 43 39)</small>		
22 43 39 00-0004	EA		DC Or Plug-In AC Powered, Single Inlet, Electronic Proximity Medical Lavatory Faucet (American Standard Selectronic™ ICU)..... <i>For Hard Wired AC Powered, Add</i>	531.57 24.76	47.85
<b>22 43 39 00-0005</b>			<b>Centerset Medical Faucets</b> <small>(22 43 39)</small>		
22 43 39 00-0006	EA		Rigid Gooseneck Centerset Medical Lavatory Faucet, 8" Centers 6" Wrist Action Handles, Adjustable Centers (T&S B-0865-04).....	379.71	47.85
22 43 39 00-0007	EA		Swivel Gooseneck Centerset Medical Lavatory Faucet, 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0866-04).....	384.14	47.85
22 43 39 00-0008	EA		Swivel Gooseneck Centerset Medical Lavatory Faucet With Aerator 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0867-04).....	383.69	47.85
22 43 39 00-0009	EA		Surgical Sink Rigid Gooseneck Faucets, 8" Centers, 6" Wrist Action Handles (T&S B-0322-04).....	341.59	47.85
22 43 39 00-0010	EA		Surgical Sink Rigid Gooseneck Faucets With Stream Regulator Outlet, 8" Centers, 6" Wrist Action Handles (T&S B-0323-04).....	326.53	47.85
<b>22 43 39 00-0011</b>			<b>Bedpan Washers</b> <small>(22 43 39)</small>		
22 43 39 00-0012	EA		Self Closing Pedal Valve Bed Pan Washer, With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose (T&S B-0675).....	906.59	86.96
22 43 39 00-0013	EA		Pedal Valve Bed Panwasher With Volume Control Valve, Vacuum Breaker, Wall Hook Hose Connection, Extended Spray Polyvinyl Chloride Hose (T&S B-0676).....	860.20	86.96
22 43 39 00-0014	EA		Self Closing Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection Polyvinyl Chloride Hose (T&S B-0685).....	846.45	86.96
22 43 39 00-0015	EA		Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose, Extended Spray (T&S B-0686).....	833.09	86.96
<b>22 43 39 00-0016</b>			<b>Foot And Knee Faucet Controls</b> <small>(22 43 39)</small>		

<b>22</b>	<b>Plumbing</b>
<b>22 40</b>	<b>Plumbing Fixtures</b>
<b>22 43</b>	<b>Healthcare Plumbing Fixtures</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 43 39 00-0017 EA Single Supply Metering Pedal Valve (Chicago Faucet 628).....	269.81	86.96
22 43 39 00-0018 EA Double Supply Metering Pedal Valve (Chicago Faucet 625).....	318.73	86.96
22 43 39 00-0019 EA Knee Actuated Metering Mixing Valve (Chicago Faucet 745-VOCP).....	695.85	86.96
22 43 39 00-0020 EA Double Knee Actuated Metering Mixing Valve (American Standard 7676).....	589.54	86.96
<b>22 43 43 Healthcare Plumbing Fixture Flushometers (22 43)</b>		
<b>22 43 43 00-0001 Healthcare Plumbing Fixture Flushometers (22 43 43)</b>		
22 43 43 00-0002 EA Exposed Manual Service Sink Flush Valve (Sloan Royal-117).....	200.03	22.22
22 43 43 00-0003 EA Exposed Manual Water Closet Flush Valve With Bedpan Washer (Sloan Slimline BPW).....	479.40	22.22
<b>22 43 46 Healthcare Patient Care Units (22 43)</b>		
<b>22 43 46 00-0001 Patient Care Units (22 43 46)</b>		
22 43 46 00-0002 EA 47" Swivel Toilet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-1700-AQCT-WB-BWSEV) .....	11,117.26	130.38
For SDB Single Temperature Dialysis Box, Add	811.76	
For DDB Dual Temperature Dialysis Box, Add	862.18	
For BWSEV Bedpan Washer With Elevated Valve, Add	632.23	
For LOCK Flush Valve Lockout Device, Add	457.56	
22 43 46 00-0003 EA 31" Swing Front Cabinet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-2600-SST-DC-AQCT-WB) .....	8,760.48	114.08
For SDB Single Temperature Dialysis Box, Add	811.76	
For DDB Dual Temperature Dialysis Box, Add	862.18	
For BWSEV Bedpan Washer With Elevated Valve, Add	632.23	
For LOCK Flush Valve Lockout Device, Add	457.56	
<b>22 43 46 00-0004 Patient Care Plumbing Accessories (22 43 46)</b>		
22 43 46 00-0005 EA One Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7920).....	1,059.46	17.71
22 43 46 00-0006 EA Two Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7919).....	1,167.10	17.71
<b>22 45 Emergency Plumbing Fixtures (22 40)</b>		
<b>22 45 13 Emergency Showers (22 45)</b>		
<b>22 45 13 00-0001 Emergency Drench Showers (22 45 13)</b>		
<b>22 45 13 00-0002 Emergency Drench Showers (Haws) (22 45 13 00-0001)</b>		
Note: Includes one pull rod.		
22 45 13 00-0003 EA Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122) .....	480.53	114.08
22 45 13 00-0004 EA Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8123) .....	558.85	114.08
22 45 13 00-0005 EA Horizontal Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122HWC).....	602.36	114.08
22 45 13 00-0006 EA Horizontal Or Vertical Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8130) .....	732.90	114.08
22 45 13 00-0007 EA Horizontal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8133H) .....	1,002.67	114.08
22 45 13 00-0008 EA Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8100) .....	774.19	130.38
22 45 13 00-0009 EA Wall Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Stainless Steel Push Flag (Haws 8111FP) .....	845.94	146.68
22 45 13 00-0010 EA Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8169).....	763.27	146.68
22 45 13 00-0011 EA Concealed Ceiling Supply, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8163) .....	780.67	146.68
22 45 13 00-0012 EA Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Pull Down Lever Ball Valve Mounted In A Recessed Stainless Steel Cabinet (Haws 8164) .....	1,107.01	146.68
<b>22 45 13 00-0013 Emergency Drench Showers (Speakman) (22 45 13 00-0001)</b>		
Note: Includes one pull rod.		
22 45 13 00-0014 EA Vertical Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-220) .....	399.52	114.08
22 45 13 00-0015 EA Horizontal Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-227) .....	412.31	114.08
22 45 13 00-0016 EA Floor Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-253).....	659.63	130.38
<b>22 45 13 00-0017 Emergency Drench Showers (WaterSaver) (22 45 13 00-0001)</b>		
Note: Includes one pull rod.		
22 45 13 00-0018 EA Emergency Shower, Vertically Mounted (WaterSaver ES635) .....	460.86	114.08
22 45 13 00-0019 EA Emergency Shower, Horizontally Mounted (WaterSaver ES643) .....	471.04	114.08
22 45 13 00-0020 EA All-Stainless Steel, Emergency Shower, Horizontally Mounted (WaterSaver ES691) .....	969.39	114.08
22 45 13 00-0021 EA Emergency Shower, Recess Mounted (WaterSaver ES629) .....	721.21	146.68
22 45 13 00-0022 EA Emergency Shower, Semi-Concealed (WaterSaver ES658) .....	951.45	146.68
<b>22 45 16 Eyewash Equipment (22 45)</b>		
<b>22 45 16 00-0001 Emergency Eyewash Equipment (22 45 16)</b>		
<b>22 45 16 00-0002 Emergency Eyewash Equipment (Haws) (22 45 16 00-0001)</b>		



<b>Plumbing</b>	<b>22</b>	<b>22</b>
<b>Plumbing Fixtures</b>	<b>22 40</b>	
<b>Emergency Plumbing Fixtures</b>	<b>22 45</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 16 00-0003 EA Faucet Mounted, Stainless Steel Emergency Eyewash (Haws Axion® eyePOD® 7620).....	232.77	3.26
22 45 16 00-0004 EA Wall Mounted, Freeze Protected, Emergency Eye Wash With Soft-Flo Heads And Stainless Steel Bowl (Haws 7433FP).....	1,037.40	146.68
<b>22 45 16 00-0005 Emergency Eyewash Equipment (WaterSaver) (22 45 16 00-0001)</b>		
22 45 16 00-0006 EA Auto Flow, Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805).....	431.87	32.59
22 45 16 00-0007 EA Auto Flow, Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805LH).....	431.87	32.59
22 45 16 00-0008 EA Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806).....	439.58	32.59
22 45 16 00-0009 EA Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806LH).....	439.58	32.59
22 45 16 00-0010 EA Stainless Steel Bowl, Emergency Eye Wash, Deck Mounted (WaterSaver EW822).....	581.13	32.59
22 45 16 00-0011 EA Swing-Down, Auto Flow, Emergency Eye Wash, Wall Mounted (WaterSaver EW848).....	660.87	32.59
22 45 16 00-0012 EA Swing-Down, Auto Flow, Emergency Eye Wash, Deck Mounted (WaterSaver EW849).....	660.87	32.59
22 45 16 00-0013 EA Right Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893).....	1,217.03	32.59
22 45 16 00-0014 EA Left Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893LH).....	1,217.03	32.59
22 45 16 00-0015 EA Right Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895).....	1,273.14	32.59
22 45 16 00-0016 EA Left Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895LH).....	1,273.14	32.59
22 45 16 00-0017 EA Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Wall Mounted (WaterSaver EW898).....	1,568.40	32.59
22 45 16 00-0018 EA Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW899).....	1,568.40	32.59
22 45 16 00-0019 EA Ball Valve With Flag Handle, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW808).....	809.97	114.08
22 45 16 00-0020 EA Push-Down Valve, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW810).....	799.09	114.08
22 45 16 00-0021 EA Stainless Steel Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814).....	584.58	114.08
22 45 16 00-0022 EA Stainless Steel Bowl And Cover, Emergency Eye Wash, Wall Mounted (WaterSaver EW814BC).....	810.80	114.08
22 45 16 00-0023 EA Plastic Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814P).....	503.82	114.08
<b>22 45 23 Personal Eyewash Equipment (22 45)</b>		
22 45 23 00-0001 Portable Eyewash Equipment (22 45 23)		
22 45 23 00-0002 Portable Eyewash Equipment (Bradley) (22 45 23 00-0001)		
22 45 23 00-0003 EA Portable (Wall Mounted) Heated Gravity-Fed Emergency Eye/Face Wash (Bradley S19-921H).....	1,452.24	9.78
<b>22 45 26 Eye/Face Wash Equipment (22 45)</b>		
22 45 26 00-0001 Emergency Eye/Face Wash Equipment (22 45 26)		
22 45 26 00-0002 Emergency Eye/Face Wash Equipment (Haws) (22 45 26 00-0001)		
22 45 26 00-0003 EA Unmounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7460).....	541.52	81.49
Note: Excludes p-trap and tailpiece.		
22 45 26 00-0004 EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly Without Receptor (Haws 7324).....	528.39	114.08
22 45 26 00-0005 EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260B-7270B).....	515.34	114.08
Note: Excludes p-trap and tailpiece.		
22 45 26 00-0006 EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260BT-7270BT).....	566.68	114.08
Note: Excludes p-trap and tailpiece.		
22 45 26 00-0007 EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360B-7460B).....	571.90	114.08
Note: Excludes p-trap and tailpiece.		
22 45 26 00-0008 EA Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BT-7460BT).....	633.69	114.08
Note: Excludes p-trap and tailpiece.		
22 45 26 00-0009 EA Wall Mounted, Barrier-Free, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BTWC).....	880.84	114.08
22 45 26 00-0010 EA Wall Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl And Dust Cover (Haws 7778B).....	1,707.57	114.08
22 45 26 00-0011 EA Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7261-7271).....	652.36	130.38
22 45 26 00-0012 EA Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7361-7461).....	752.44	130.38
22 45 26 00-0013 EA Pedestal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7777).....	1,761.91	130.38
22 45 26 00-0014 EA Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7611).....	469.85	32.59
22 45 26 00-0015 EA Right Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612).....	452.45	32.59
22 45 26 00-0016 EA Left Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612LH).....	474.20	32.59
22 45 26 00-0017 EA Wall Or Deck Mounted, Barrier-Free, Swing-Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7610).....	600.39	32.59
22 45 26 00-0018 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCC).....	1,422.44	162.97
22 45 26 00-0019 EA Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCSM).....	1,753.21	130.38
22 45 26 00-0020 EA Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCC).....	1,787.94	162.97
22 45 26 00-0021 EA Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCSM).....	2,127.41	130.38





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 45 26 00-0022</b>			<b>Emergency Eye/Face Wash Equipment (Speakman)</b> (22 45 26 00-0001)		
22 45 26 00-0023	EA		Wall Mounted, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-495).....	452.84	114.08
22 45 26 00-0024	EA		Floor Mounted, DuraJade™ Finish, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-496) .....	557.24	130.38
<b>22 45 26 00-0025</b>			<b>Emergency Eye/Face Wash Equipment (WaterSaver)</b> (22 45 26 00-0001)		
22 45 26 00-0026	EA		Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl, Wall Mounted (WaterSaver FE724).....	726.54	114.08
22 45 26 00-0027	EA		Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl And Cover, Wall Mounted (WaterSaver FE724BC).....	952.76	114.08
22 45 26 00-0028	EA		Wide Area, Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE727).....	924.00	114.08
22 45 26 00-0029	EA		Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE765) .....	855.38	114.08
22 45 26 00-0030	EA		Auto Flow, Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774) .....	454.32	32.59
22 45 26 00-0031	EA		Auto Flow, Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774LH) .....	454.32	32.59
22 45 26 00-0032	EA		Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775) .....	440.93	32.59
22 45 26 00-0033	EA		Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775LH) .....	440.93	32.59
22 45 26 00-0034	EA		Swing-Down, Auto Flow, Emergency Eye/Face Wash, Wall Mounted (WaterSaver FE778) .....	670.93	32.59
22 45 26 00-0035	EA		Swing-Down, Auto Flow, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE779) .....	670.93	32.59
<b>22 45 29</b>			<b>Hand-Held Emergency Drench Hoses</b> (22 45)		
<b>22 45 29 00-0001</b>			<b>Hand-Held Emergency Eye/Face/Body Wash With Hose</b> (22 45 29)		
<b>22 45 29 00-0002</b>			<b>Hand-Held Emergency Eye/Face/Body Wash With Hose (Haws)</b> (22 45 29 00-0001)		
22 45 29 00-0003	EA		Counter Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 8' Hose (Haws 8904).....	499.21	40.74
22 45 29 00-0004	EA		Wall Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 12' Recoil Hose (Haws 8905).....	577.53	40.74
<b>22 45 29 00-0005</b>			<b>Hand-Held Emergency Eye/Face/Body Wash With Hose (WaterSaver)</b> (22 45 29 00-0001)		
22 45 29 00-0006	EA		Emergency Drench Hose Unit, Deck Mounted (WaterSaver EW1020).....	351.27	40.74
22 45 29 00-0007	EA		Emergency Drench Hose Unit, Wall Mounted (WaterSaver EW1025).....	324.41	40.74
22 45 29 00-0008	EA		Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1014).....	482.48	40.74
22 45 29 00-0009	EA		Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1022) .....	452.58	40.74
22 45 29 00-0010	EA		Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1026).....	463.29	40.74
22 45 29 00-0011	EA		Ball Valve With Flag Handle, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028) .....	604.25	40.74
22 45 29 00-0012	EA		Ball Valve With Flag Handle And Vacuum Breaker, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028VB).....	698.00	40.74
22 45 29 00-0013	EA		Emergency Eye Wash Drench Hose Unit, 45 Degree Panel Mounted (WaterSaver EW1041).....	666.21	40.74
<b>22 45 33</b>			<b>Combination Emergency Fixture Units</b> (22 45)		
<b>22 45 33 00-0001</b>			<b>Emergency Shower With Eye/Face Wash</b> (22 45 33)		
<b>22 45 33 00-0002</b>			<b>Emergency Shower With Eye/Face Wash (Haws)</b> (22 45 33 00-0001)		
22 45 33 00-0003	EA		Floor Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8330) .....	2,969.17	211.86
22 45 33 00-0004	EA		Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300FP).....	1,977.10	211.86
			Note: Includes freeze protection bury valve.		
22 45 33 00-0005	EA		Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300-8309).....	1,346.17	211.86
22 45 33 00-0006	EA		Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300.158) .....	2,203.36	211.86
22 45 33 00-0007	EA		Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300CRP-8309CRP) .....	1,589.84	211.86
22 45 33 00-0008	EA		Floor Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8309WC).....	1,489.76	211.86
22 45 33 00-0009	EA		Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317) .....	1,259.15	211.86
22 45 33 00-0010	EA		Floor Mounted, Corrosion Resistant, PVC Plastic, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8336) .....	2,125.04	211.86
22 45 33 00-0011	EA		Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCC).....	2,338.25	211.86
22 45 33 00-0012	EA		Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCW).....	2,386.11	211.86
22 45 33 00-0013	EA		Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCC).....	2,677.64	211.86
22 45 33 00-0014	EA		Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan, Daylight Drain And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCCD).....	2,847.34	211.86
22 45 33 00-0015	EA		Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCW) .....	2,799.48	211.86



<b>Plumbing</b>	<b>22</b>	<b>22</b>
<b>Plumbing Fixtures</b>	<b>22 40</b>	
<b>Emergency Plumbing Fixtures</b>	<b>22 45</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 33 00-0016 EA Floor Mounted, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP).....	4,235.37	211.86
22 45 33 00-0017 EA Floor Mounted, 220 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP.220V).....	4,470.34	211.86
22 45 33 00-0018 EA Floor Mounted, C1D1 Rated, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFPC1D1).....	9,561.24	211.86
22 45 33 00-0019 EA Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320-8325).....	1,259.15	211.86
22 45 33 00-0020 EA Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320CRP).....	1,437.55	211.86
<b>22 45 33 00-0021 Emergency Shower With Eye/Face Wash (Speakman) (22 45 33 00-0001)</b>		
22 45 33 00-0022 EA Floor Mounted, Emergency Drench Shower With Plastic Showerhead And Eye/Face Wash With Plastic Bowl (Speakman SE-690).....	1,079.28	211.86
<b>22 45 33 00-0023 Emergency Shower With Eye/Face Wash (WaterSaver) (22 45 33 00-0001)</b>		
22 45 33 00-0024 EA All-Stainless Steel, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS994).....	3,155.54	177.02
22 45 33 00-0025 EA Polished Chrome Construction, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS909PCC).....	3,223.72	177.02
22 45 33 00-0026 EA Emergency Shower With Eye Wash Station And Stainless Steel Bowl, Floor Mounted (WaterSaver SS902).....	1,302.35	177.02
22 45 33 00-0027 EA Emergency Shower With Eye Wash Station And Plastic Bowl, Floor Mounted (WaterSaver SS902P).....	1,196.28	177.02
22 45 33 00-0028 EA Emergency Shower With Eye Wash Station And Stainless Steel Bowl And Cover, Floor Mounted (WaterSaver SS902BC).....	1,528.56	177.02
<b>22 45 36 Emergency Fixture Water-Tempering Equipment (22 45)</b>		
<b>22 45 36 00-0001 Emergency Fixture Water-Tempering Equipment (22 45 36)</b>		
<b>22 45 36 00-0002 Emergency Fixture Water-Tempering Equipment (Haws) (22 45 36 00-0001)</b>		
22 45 36 00-0003 EA 10 GPM, 1/2" Inlet, 1/2" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EW).....	529.66	40.74
22 45 36 00-0004 EA 12 GPM, 1/2" Inlet, 3/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EFE).....	786.38	40.74
22 45 36 00-0005 EA 31 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201E).....	1,164.94	40.74
22 45 36 00-0006 EA 78 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9202E).....	1,378.15	40.74
22 45 36 00-0007 EA 31 GPM, 1" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws 9201H).....	1,961.21	40.74
22 45 36 00-0008 EA 12 GPM, 1/2" Inlet, 3/4" Outlet, Secondary High Temperature Limit Valve, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.EWE).....	2,069.99	40.74
22 45 36 00-0009 EA 74 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.SHE).....	3,492.83	40.74
22 45 36 00-0010 EA 78 GPM, 2" Inlet, 2" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.HF).....	4,202.08	40.74
22 45 36 00-0011 EA 1/2" Inlet, 1/2" Outlet, Brass Scald Protection Bleed Valve (Haws SP157B).....	594.93	40.74
<b>22 45 39 Emergency Plumbing Fixture Accessories (22 45)</b>		
<b>22 45 39 00-0001 Emergency Plumbing Fixture Accessories (22 45 39)</b>		
<b>22 45 39 00-0002 Emergency Plumbing Fixture Accessories (Haws) (22 45 39 00-0001)</b>		
22 45 39 00-0003 EA Pedestal Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220).....	134.86	13.04
22 45 39 00-0004 EA Wall Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220W).....	191.43	13.04
22 45 39 00-0005 EA Pedestal Mounted, Stainless Steel Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220SS).....	200.13	13.04
22 45 39 00-0006 EA Axion® MSR Stainless Steel Showerhead For Emergency Drench Showers (Haws SP829SS).....	227.34	4.89
22 45 39 00-0007 EA Stainless Steel Dust Cover For Emergency Eye/Face Wash Bowls (Haws 9102).....	232.77	3.26
22 45 39 00-0008 EA 3-Sided ABS Plastic Safety Sign For Emergency Combination Shower And Eyewash Units (Haws 9020).....	252.36	6.51
22 45 39 00-0009 EA Emergency Body Spray Kit With 8' Hose And ABS Plastic Head For Emergency Plumbing Fixtures (Haws 8901RFK).....	424.12	48.90
22 45 39 00-0010 EA Class 1, Div. 1, Group B, C And D, Indicator Light For Emergency Plumbing Fixtures (Haws 8317DLTEXP).....	453.12	22.06
22 45 39 00-0011 EA Vapor Tight And Gasketed, Green Area Light For Emergency Plumbing Fixtures (Haws 8317LT).....	679.39	22.06
22 45 39 00-0012 EA Privacy Curtain For Horizontal Emergency Drench Shower Or Combination Emergency Drench Shower And Eyewash Units (Haws 9037).....	786.38	48.90
22 45 39 00-0013 EA Class 1, Div. 1, Group B, C And D, White Area Light For Emergency Plumbing Fixtures (Haws 8317LTEXP).....	1,527.87	22.06
22 45 39 00-0014 EA 1/2" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001.5).....	1,669.95	73.51
22 45 39 00-0015 EA 1-1/4" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001).....	1,704.76	73.51
22 45 39 00-0016 EA 1-1/4" Supply, Class 1, Division 2, Groups B, C, And D Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXP).....	3,192.87	73.51
22 45 39 00-0017 EA 1-1/4" Supply, 90 db, Class 1, Division 1, Groups C And D, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXPC1D1).....	6,108.17	73.51
<b>22 45 39 00-0018 Emergency Plumbing Fixture Accessories (Speakman) (22 45 39 00-0001)</b>		
22 45 39 00-0019 EA Privacy Curtain For Emergency Showers.....	748.42	48.90

<b>22</b>	<b>Plumbing</b>
<b>22 40</b>	<b>Plumbing Fixtures</b>
<b>22 45</b>	<b>Emergency Plumbing Fixtures</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 39 00-0020 Emergency Plumbing Fixture Accessories (WaterSaver) <small>(22 45 39 00-0001)</small>		
22 45 39 00-0021 EA Hand And Foot Control For Emergency Eyewash Equipment (WaterSaver HFC).....	93.03	10.62
<b>22 46 Security Plumbing Fixtures</b> <small>(22 40)</small>		
<b>22 46 13 Security Water Closets And Urinals</b> <small>(22 46)</small>		
<b>22 46 13 13 Security Water Closets</b> <small>(22 46 13)</small>		
<b>22 46 13 13-0001 Security Water Closets</b> <small>(22 46 13 13)</small>		
22 46 13 13-0002 EA Security Water Closet, Integral Seat, Back Supply And Flush Valve, Wall Hung, Wall Outlet, Cast Aluminum (Acorn 1675).....	3,580.98	162.97
For Angled Toilet, Add	16.30	
For Offset Toilet, Add	341.80	
22 46 13 13-0003 EA Security Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Wall Outlet, Cast Aluminum (Acorn 1684).....	4,419.44	162.97
For Angled Toilet, Add	16.30	
For Offset Toilet, Add	425.65	
22 46 13 13-0004 EA Security Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Floor Outlet, Cast Aluminum (Acorn 1695).....	4,492.90	162.97
For Angled Toilet, Add	16.30	
For Offset Toilet, Add	432.99	
22 46 13 13-0005 EA Recessed Tissue Holder For Security Water Closet, Stainless Steel (Acorn 1840).....	366.50	32.59
<b>22 46 13 16 Security Urinals</b> <small>(22 46 13)</small>		
<b>22 46 13 16-0001 Security Urinals</b> <small>(22 46 13 16)</small>		
22 46 13 16-0002 EA Security Urinal, Back Supply And Flush, Wall Hung, Stainless Steel (Acorn 1700).....	4,353.91	146.68
22 46 13 16-0003 EA Security Urinal, Back Supply And Flush, Stall, Stainless Steel (Acorn 1720) .....	7,491.77	208.41
<b>22 46 13 19 Security Combination Toilet and Lavatory</b> <small>(22 46 13)</small>		
<b>22 46 13 19-0001 Security Combination Toilet - Lavatory</b> <small>(22 46 13 19)</small>		
22 46 13 19-0002 EA 15" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1415) .....	6,731.86	202.09
For Angled Toilet, Add	20.21	
For Offset Toilet, Add	652.98	
For 15" Mirror/Shelf Module, Add	752.09	
For AC Duplex Outlet Option, Add	70.42	
For Intercom Option, Add	115.42	
For 15" Wide Light/Ventilation Module, Add	756.25	
22 46 13 19-0003 EA 18" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1418) .....	6,926.20	211.86
For Angled Toilet, Add	21.19	
For Offset Toilet, Add	671.43	
For 18" Mirror/Shelf Module, Add	786.86	
For AC Duplex Outlet Option, Add	72.37	
For Intercom Option, Add	117.37	
For 18" Wide Light/Ventilation Module, Add	777.12	
22 46 13 19-0004 EA 20" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1420) .....	7,067.34	221.64
For Angled Toilet, Add	22.16	
For Offset Toilet, Add	684.57	
For 20" Mirror/Shelf Module, Add	831.64	
For AC Duplex Outlet Option, Add	74.33	
For Intercom Option, Add	119.33	
For 20" Wide Light/Ventilation Module, Add	807.98	
22 46 13 19-0005 EA 26" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1426) .....	7,578.33	231.42
For Angled Toilet, Add	23.14	
For Offset Toilet, Add	734.69	
For 26" Mirror/Shelf Module, Add	866.42	
For AC Duplex Outlet Option, Add	76.28	
For Intercom Option, Add	121.28	
For 26" Wide Light/Ventilation Module, Add	833.85	
22 46 13 19-0006 EA 28" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Floor Mounted, Stainless Steel (Acorn 1428) .....	12,555.16	241.20
For Angled Toilet, Add	24.12	
For Offset Toilet, Add	1,231.40	
For 28" Mirror/Shelf Module, Add	896.20	
For AC Duplex Outlet Option, Add	78.24	
For Intercom Option, Add	123.24	
For 28" Wide Light/Ventilation Module, Add	859.72	
<b>22 46 16 Security Lavatories And Sinks</b> <small>(22 46)</small>		
<b>22 46 16 13 Security Lavatories</b> <small>(22 46 16)</small>		
<b>22 46 16 13-0001 Security Lavatories</b> <small>(22 46 16 13)</small>		
22 46 16 13-0002 EA 20" Security Lavatory, Wall Hung, Push Button Filler Valve, Rectangular Bowl, Stainless Steel (Acorn 1650) .....	2,589.69	114.08
For Shelf, Add	69.22	



<b>Plumbing</b>	<b>22</b>	<b>22</b>
<b>Plumbing Fixtures</b>	<b>22 40</b>	
<b>Security Plumbing Fixtures</b>	<b>22 46</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 46 16 13-0003 EA 18" Security Lavatory, Wall Hung, Push Button Filler Valve, Oval Bowl, Stainless Steel (Acorn 1655).....	2,638.32	114.08
For Shelf, Add	69.22	
22 46 16 13-0004 EA 13" Security Lavatory, Wall Hung, Push Button Filler Valve, Oval Bowl, Corner Mount, Stainless Steel (Acorn 1660).....	3,049.02	114.08
For Shelf, Add	69.22	
22 46 16 13-0005 EA 18" Security Lavatory, Wall Hung, Push Button Filler Valve, Multi Sided Bowl, Stainless Steel (Acorn 1656).....	2,638.32	114.08
For Shelf, Add	69.22	
<b>22 46 16 16 Security Sinks (22 46 16)</b>		
<b>22 46 16 16-0001 Security Sinks (22 46 16 16)</b>		
22 46 16 16-0002 EA 22" x 16" x 10" Security Service Sink, With Soap Dish, Stainless Steel (Acorn 1642).....	5,756.84	173.73
<b>22 46 16 16-0003 Security Mop Sink (22 46 16 16)</b>		
22 46 16 16-0004 EA 24" x 24" x 10" Stainless Steel Mop Sink With Strainer (ACORN 1630).....	2,277.91	97.78
<b>22 46 19 Security Showers (22 46)</b>		
<b>22 46 19 00-0001 Security Showers (22 46 19)</b>		
22 46 19 00-0002 EA 30" Security Shower, Stainless Steel, Knock-Down (Acorn 1730-3M-KD).....	15,514.69	260.75
22 46 19 00-0003 EA 32" Security Shower, Stainless Steel, Knock-Down (Acorn 1732-3M-KD).....	16,102.37	260.75
22 46 19 00-0004 EA 36" Security Shower, Stainless Steel, Knock-Down (Acorn 1736-3M-KD).....	16,707.19	260.75
22 46 19 00-0005 EA 36" ADA Security Shower, Stainless Steel, Front Access (Acorn 1736-ADA-3M-FA).....	21,442.91	260.75
22 46 19 00-0006 EA Security Shower Package For Built-in, Hot And Cold Faucets, Mixing Valve, Rectangular Soap Dish, Stainless Steel (Acorn 1741).....	816.36	87.02
22 46 19 00-0007 EA Security Shower Head With Mixing Valves And Piping Assembly In Wall (Acorn 1743).....	639.77	45.63
<b>22 46 43 Security Plumbing Fixture Flushometers (22 46)</b>		
22 46 43 00-0001 EA Concealed Manual Water Closet Flush Valve, With Pushbutton Control (Sloan 601 AFD ESM).....	435.29	22.22
Note: Anti-flood device (AFD), solenoid operated with module plug 24V (ESM).		
22 46 43 00-0002 EA Concealed Manual Urinal Flush Valve, 1-1/2" Backinlet, With Pushbutton Control (Sloan 609 ESM).....	434.79	22.22
Note: Solenoid operated with module plug 24V (ESM).		
22 46 43 00-0003 EA Concealed Manual Urinal Flush Valve, 3/4" Backinlet, With Pushbutton Control (Sloan 613 ESM).....	420.22	22.22
Note: Solenoid operated with module plug 24V (ESM).		
<b>22 46 56 Security Drinking Fountains (22 46)</b>		
<b>22 46 56 00-0001 Security Drinking Fountain (22 46 56)</b>		
Note: Includes air control valve, bubbler with mouthguard and mounting bracket.		
22 46 56 00-0002 EA Wall Mounted Security Drinking Fountain, Stainless Steel (Acorn 1670-1-BP-3-FA).....	2,923.36	130.38
22 46 56 00-0003 EA Wall Mounted Security ADA Drinking Fountain, Stainless Steel (Acorn 1672-1-ADA-BP-3-FA).....	2,946.81	130.38
<b>22 47 Drinking Fountains And Water Coolers (22 40)</b>		
<b>22 47 13 Drinking Fountains (22 47)</b>		
<b>22 47 13 00-0001 Indoor Drinking Fountains (22 47 13)</b>		
<b>22 47 13 00-0002 Face Mounted Indoor Drinking Fountain (22 47 13 00-0001)</b>		
22 47 13 00-0003 EA Stainless Steel, Standard Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-S).....	1,408.50	105.93
22 47 13 00-0004 EA Stainless Steel, Standard Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-SBP).....	2,074.17	114.08
22 47 13 00-0005 EA Stainless Steel, Extended Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-E).....	1,875.28	105.93
22 47 13 00-0006 EA Stainless Steel, Extended Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-EBP).....	2,242.27	114.08
22 47 13 00-0007 EA Stainless Steel, Standard Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFS).....	924.09	105.93
22 47 13 00-0008 EA Stainless Steel, Standard Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners With Back Panel (Halsey-Taylor HRFSBP).....	1,112.14	114.08
22 47 13 00-0009 EA Stainless Steel, Extended Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFE).....	1,053.22	105.93
22 47 13 00-0010 EA Stainless Steel, Extended Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFEBP).....	1,286.70	114.08
<b>22 47 13 00-0011 Wall Mounted Indoor Drinking Fountain (22 47 13 00-0001)</b>		
22 47 13 00-0012 EA Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor 5701).....	948.48	114.08
22 47 13 00-0013 EA Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8WF).....	1,374.73	114.08
22 47 13 00-0014 EA Bi-Level, Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8BLWF).....	1,886.71	114.08
<b>22 47 13 00-0015 Semi-Recessed Indoor Drinking Fountain (22 47 13 00-0001)</b>		

**22 Plumbing****22 40 Plumbing Fixtures****22 47 Drinking Fountains And Water Coolers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 47 13 00-0016	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler (Halsey-Taylor 5801) .....	1,291.62	122.22
	22 47 13 00-0017	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler And Cuspidor (Halsey-Taylor 5801C).....	2,850.22	122.22
<b>22 47 13 00-0018</b>			<b>Fully Recessed Indoor Drinking Fountain (22 47 13 00-0001)</b>		
	22 47 13 00-0019	EA	Stainless Steel Fully-Recessed, With Bubbler, Indoor Drinking Fountain (Halsey-Taylor 8880, Haws 2400).....	1,381.75	130.38
	22 47 13 00-0020	EA	Stainless Steel Fully-Recessed, With Bubbler And Cuspidor, Indoor Drinking Fountain (Halsey-Taylor 8800 With 10245, Haws 2403).....	2,577.49	130.38
<b>22 47 13 00-0021</b>			<b>Countertop Indoor Drinking Fountain (22 47 13 00-0001)</b>		
	22 47 13 00-0022	EA	Stainless Steel Countertop Circular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 10000) .....	558.25	81.49
	22 47 13 00-0023	EA	Stainless Steel Countertop Rectangular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6000) .....	535.74	81.49
	22 47 13 00-0024	EA	Stainless Steel Countertop Oval Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6028) .....	659.09	81.49
<b>22 47 13 00-0025</b>			<b>Bowl And Bracket Indoor Drinking Fountain (22 47 13 00-0001)</b>		
	22 47 13 00-0026	EA	Stainless Steel, Bowl And Bracket With Pushbutton Bubbler, Indoor Drinking Fountain (Halsey-Taylor 2501A).....	464.61	81.49
	22 47 13 00-0027	EA	Stainless Steel, Bowl And Bracket, Self Closing Lever Handle Stop, Indoor Drinking Fountain (Halsey-Taylor 4540) .....	569.17	81.49
<b>22 47 13 00-0028</b>			<b>Multi-Station Indoor Drinking Fountain (22 47 13 00-0001)</b>		
	22 47 13 00-0029	EA	Stainless Steel Two Station Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7020) .....	2,681.04	130.38
	22 47 13 00-0030	EA	Stainless Steel Three Station Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7030) .....	3,390.52	130.38
	22 47 13 00-0031	EA	Marblyte, Face-Mounted Two Station Indoor Drinking Fountain With Bubblers (Halsey-Taylor 7120).....	2,553.99	130.38
	22 47 13 00-0032	EA	White Enameled Iron Two Station Indoor Drinking Fountains With Bubblers (Haws 1430) .....	2,142.60	130.38
	22 47 13 00-0033	EA	White Enameled Iron Three Station Indoor Drinking Fountains With Bubblers (Haws 1435) .....	2,717.05	130.38
	22 47 13 00-0034	EA	Stainless Steel, Bi-Level Indoor Drinking Fountain With Bubblers And Back Panel (Halsey-Taylor HRFSEBP, Haws 1119.14 With 6700.4) .....	2,336.81	166.31
	22 47 13 00-0035	EA	Cast Aluminum Two Station Indoor Drinking Fountains With Bubblers (Haws 1441) .....	3,050.01	130.38
	22 47 13 00-0036	EA	Cast Aluminum Three Station Indoor Drinking Fountains With Bubblers (Haws 1408) .....	2,996.27	130.38
<b>22 47 13 00-0037</b>			<b>Outdoor Drinking Fountains (22 47 13)</b>		
<b>22 47 13 00-0038</b>			<b>Face Mounted Outdoor Drinking Fountains (22 47 13 00-0037)</b>		
	22 47 13 00-0039	EA	Stainless Steel Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFE-FR).....	1,197.03	130.38
	22 47 13 00-0040	EA	Stainless Steel Freeze Resistant Face Mounted, With Back Panel, Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFEBP-FR).....	1,319.29	130.38
	22 47 13 00-0041	EA	Stone Aggregate Weather Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592) .....	1,266.20	130.38
	22 47 13 00-0042	EA	Stone Aggregate Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592-FR).....	1,892.00	130.38
<b>22 47 13 00-0043</b>			<b>Free Standing Outdoor Drinking Fountains (22 47 13 00-0037)</b>		
	22 47 13 00-0044	EA	Steel Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715) .....	2,343.83	122.22
	22 47 13 00-0045	EA	Steel Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715-FR) .....	3,319.53	122.22
	22 47 13 00-0046	EA	Steel Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710).....	2,340.59	122.22
	22 47 13 00-0047	EA	Steel Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710-FR) .....	3,257.21	122.22
	22 47 13 00-0048	EA	Steel Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720) .....	3,511.98	130.38
	22 47 13 00-0049	EA	Steel Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720-FR) .....	3,577.13	130.38
	22 47 13 00-0050	EA	Stone Aggregate Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4591) .....	1,288.51	122.22
	22 47 13 00-0051	EA	Stone Aggregate Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590) .....	2,273.05	122.22
	22 47 13 00-0052	EA	Stone Aggregate Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590-FR) .....	3,248.74	122.22
	22 47 13 00-0053	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595) .....	3,831.31	130.38
	22 47 13 00-0054	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595-FR) .....	5,406.25	130.38
<b>22 47 13 00-0055</b>			<b>Wall Mounted Outdoor Drinking Fountains (22 47 13 00-0037)</b>		
	22 47 13 00-0056	EA	Stainless Steel, Single Wall Mounted Drinking Fountain (Haws 1105) .....	1,210.79	122.22
	22 47 13 00-0057	EA	Stainless Steel, Single Low Profile Wall Mounted Drinking Fountain (Haws 1107L).....	1,446.89	122.22
	22 47 13 00-0058	EA	Stainless Steel, Single Wall Mounted Drinking Fountain (Haws 1109) .....	1,343.11	122.22
	22 47 13 00-0059	EA	White Polymarble Barrier-Free Single Drinking Fountain (Haws 1075) .....	1,444.41	122.22
	22 47 13 00-0060	EA	Vitreous China Single Drinking Fountain (Haws 1201) .....	1,182.31	122.22
<b>22 47 13 00-0061</b>			<b>Multi-Station Outdoor Drinking Fountains (22 47 13 00-0037)</b>		
	22 47 13 00-0062	EA	Stainless Steel, Hi/Lo Wall Mounted Drinking Fountain (Haws 1119) .....	2,202.02	130.38
	22 47 13 00-0063	EA	Stainless Steel, 3 Position Adjustable Hi/Lo Wall Mounted Drinking Fountain (Haws 1117L).....	2,603.75	130.38
	22 47 13 00-0064	EA	White Polymarble Barrier-Free Two Bowl (Hi-Lo) Drinking Fountain (Haws 1085) .....	3,058.05	130.38
	22 47 13 00-0065	EA	White Cast Aluminum Three Station Outdoor Drinking Fountains With Bubblers (Haws 1408) .....	2,608.11	130.38



<b>Plumbing</b>	<b>22</b>	<b>22</b>
<b>Plumbing Fixtures</b>	<b>22 40</b>	
<b>Drinking Fountains And Water Coolers</b>	<b>22 47</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 47 16 Pressure Water Coolers (22 47)</b>		
<b>22 47 16 00-0001 Indoor Water Coolers (22 47 16)</b>		
<b>22 47 16 00-0002 Face Mounted Indoor Water Coolers (22 47 16 00-0001)</b>		
22 47 16 00-0003 EA Stainless Steel, Semi-Circular Water Cooler With Bubbler, Face-Mounted, Extended Length, 180 Degree Push Bar, 7.5 GPH (Halsey-Taylor OVL-II ER-Q).....	2,693.94	130.38
22 47 16 00-0004 EA Stainless Steel, Semi-Circular Water Cooler, Electronic Sensor, Face-Mounted, Extended Length, With Bubbler, 7.5 GPH (Halsey-Taylor OVL-II EREE-Q).....	2,881.36	130.38
<b>22 47 16 00-0005 Wall Mounted Indoor Water Coolers (22 47 16 00-0001)</b>		
22 47 16 00-0006 EA Stainless Steel Wall-Mounted Compact Water Cooler, 4 GPH, With Bubbler, (Halsey-Taylor SW4A-Q).....	1,242.07	130.38
22 47 16 00-0007 EA Stainless Steel Wall-Mounted Compact Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SW8A-Q).....	1,290.33	130.38
22 47 16 00-0008 EA Stainless Steel Wall-Mounted Compact Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SW14A-Q).....	1,441.55	130.38
22 47 16 00-0009 EA Stainless Steel Wall-Mounted Vandal Resistant Compact Water Cooler With Bubbler, 8 GPH (Halsey-Taylor SW8A-VR-Q-SS).....	1,499.47	130.38
22 47 16 00-0010 EA Stainless Steel Wall-Mounted Vandal Resistant Barrier Free Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8-CHILD ADA).....	1,090.85	130.38
22 47 16 00-0011 EA Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor WC8AFS-Q-SS).....	1,275.85	130.38
22 47 16 00-0012 EA Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor HAC8FS-Q Child SS).....	987.09	130.38
22 47 16 00-0013 EA Stainless Steel Wall-Mounted Water Cooler, 8 GPH, With Bubbler, (Halsey-Taylor HAC8VR-BL).....	1,523.86	130.38
22 47 16 00-0014 EA Stainless Steel, Wall Mounted, Barrier Free, Bi-Level Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HAC8FSBL-Q-SS).....	1,668.46	195.56
<b>22 47 16 00-0015 Simulated Recessed Indoor Water Coolers (22 47 16 00-0001)</b>		
22 47 16 00-0016 EA Stainless Steel Simulated Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RWM8A-Q).....	1,496.11	130.38
<b>22 47 16 00-0017 Fully Recessed Indoor Water Coolers (22 47 16 00-0001)</b>		
22 47 16 00-0018 EA Stainless Steel Fully-Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RC8A-Q).....	2,969.43	146.68
22 47 16 00-0019 EA Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser, 8 GPH (Halsey-Taylor RC8AQ + 14762).....	3,646.43	146.68
22 47 16 00-0020 EA Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser And Glass Filler, 8 GPH (Halsey-Taylor RC8A-Q-14700).....	4,283.01	146.68
<b>22 47 16 00-0021 Free Standing Indoor Water Coolers (22 47 16 00-0001)</b>		
22 47 16 00-0022 EA Stainless Steel, Free-Standing Indoor Water Cooler, 4 GPH, With Bubbler (Halsey-Taylor SCWT4A-Q).....	1,203.84	114.08
22 47 16 00-0023 EA Stainless Steel, Free-Standing Indoor Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SCWT8A-Q).....	1,297.95	114.08
22 47 16 00-0024 EA Stainless Steel, Free-Standing Indoor Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SCWT14A-Q).....	1,482.15	114.08
22 47 16 00-0025 EA Stainless Steel, Free-Standing Vandal Resistant Water Cooler With Bubbler, 14 GPH (Halsey-Taylor SCWT14A-VR-Q).....	1,656.70	114.08
<b>22 47 16 00-0026 Bottled Water Coolers (22 47 16 00-0001)</b>		
22 47 16 00-0027 EA Free-Standing Bottled Water Cooler With Chilled Or Room Temperature Water.....	401.70	65.19
22 47 16 00-0028 EA Free-Standing Bottled Water Cooler With Chilled Or Hot Water.....	488.14	65.19
<b>22 47 16 00-0029 Multi-Station Indoor Water Coolers (22 47 16 00-0001)</b>		
22 47 16 00-0030 EA Stainless Steel, Wall Mounted, Two Station, Semi-Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II SER-Q).....	2,943.37	195.56
22 47 16 00-0031 EA Stainless Steel, Wall Mounted, Two Station, Electronic Sensor Semi Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II-SEREE-Q).....	4,565.77	195.56
22 47 16 00-0032 EA Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BL-CHILD ADA-SS).....	1,818.87	195.56
<b>22 47 16 00-0033 Outdoor Water Coolers (22 47 16)</b>		
<b>22 47 16 00-0034 Wall Mounted Outdoor Water Coolers (22 47 16 00-0033)</b>		
22 47 16 00-0035 EA Stainless Steel, Wall Mounted, Barrier Free, Vandal Resistant, Frost Resistant Outdoor Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8FR-CHILD ADA-SS).....	1,319.99	81.49
22 47 16 00-0036 EA Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Outdoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BLFR-CHILD ADA-SS).....	2,305.79	81.49
<b>22 47 16 00-0037 Free Standing Outdoor Water Coolers (22 47 16 00-0033)</b>		
22 47 16 00-0038 EA Stainless Steel Free-Standing Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-Q).....	2,185.37	122.22
22 47 16 00-0039 EA Stainless Steel Free-Standing Frost Resistant Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-FR-Q).....	2,635.82	122.22
<b>22 47 16 00-0040 Removal And Reinstallation Of Fixtures And Trim (22 47 16)</b>		
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		

**22 Plumbing****22 40 Plumbing Fixtures****22 47 Drinking Fountains And Water Coolers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 16 00-0041 EA Removal And Reinstallation Of Wall Hung Water Cooler.....	318.67	
22 47 16 00-0042 EA Removal And Reinstallation Of Floor Mount Water Cooler .....	70.81	
<b>22 47 19 Water-Station Water Coolers (22 47)</b>		
<b>22 47 19 00-0001 Bottle Filler (22 47 19)</b>		
22 47 19 00-0002 EA Outdoor Tubular Bottle Filling Station, Surface Mount (Elkay LK4410BF) .....	3,190.82	130.38
For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0003 EA Outdoor Tubular Bottle Filling Station, Surface Mount, Freeze Resistant (Elkay LK4410BFFRK) .....	4,060.26	130.38
For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0004 EA Tri-level Outdoor Tubular Bottle Filling Station With Single Bottle Filler And Two Drinking Fountain Basins, Surface Mount (Elkay LK4430BF1) .....	5,225.54	146.68
For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0005 EA Tri-level Outdoor Tubular Bottle Filling Station With Two Bottle Fillers And Single Drinking Fountain Basin, Surface Mount (Elkay LK4430BF2) .....	5,654.05	146.68
For Stainless Steel Carrier, Add	205.00	
22 47 19 00-0006 EA Tri-level Outdoor Tubular Bottle Filling Station With Three Bottle Fillers, Surface Mount (Elkay LK4430BF3) .....	6,082.55	146.68
For Stainless Steel Carrier, Add	205.00	
<b>22 47 19 00-0007 Indoor Bottle Filling Station (22 47 19)</b>		
22 47 19 00-0008 EA Indoor Bottle Filling Station With Chiller, Recessed Mount (Halsey Taylor HTHB-8) .....	2,132.72	130.38
22 47 19 00-0009 EA Indoor Bottle Filling Station Without Chiller, Recessed Mount (Halsey Taylor HTHB-LR) .....	1,444.62	130.38
22 47 19 00-0010 EA Indoor Bottle Filling Station, Surface Mount (Halsey Taylor HTHBSM-WF) .....	1,150.67	130.38
22 47 19 00-0011 EA Surface Mount, Battery Powered, Non-Filtered, Non-Refrigerated, Stainless Steel Botter Filling Station (Elkay EMASMB) .....	939.99	130.38
<b>22 47 23 Remote Water Coolers (22 47)</b>		
<b>22 47 23 00-0001 Remote Chillers (22 47 23)</b>		
22 47 23 00-0002 EA 1.5 GPH Remote Chiller (Halsey-Taylor SJ1-Q) .....	762.06	44.00
22 47 23 00-0003 EA 5 GPH Remote Chiller (Halsey-Taylor SJ5-Q) .....	1,169.19	48.90
22 47 23 00-0004 EA 8 GPH Remote Chiller (Halsey-Taylor SJ8-Q) .....	995.66	57.04
22 47 23 00-0005 EA 10 GPH Remote Chiller (Halsey-Taylor SJ10-Q) .....	1,286.25	65.19
22 47 23 00-0006 EA 19 GPH Remote Chiller (Halsey-Taylor SJ19-Q) .....	2,017.45	97.78
22 47 23 00-0007 EA 30 GPH Remote Chiller (Halsey-Taylor SJ30-Q) .....	2,187.36	105.93
<b>22 47 26 Fixture Carriers (22 47)</b>		
<b>22 47 26 00-0001 Water Cooler Carriers (22 47 26)</b>		
<b>22 47 26 00-0002 Floor Mounted, Water Cooler Carriers (22 47 26 00-0001)</b>		
Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 47 26 00-0003 EA Floor Mounted Hanger Plate Type, Single Water Cooler Carrier .....	332.46	24.78
For Up To 4" Extension Sleeves And Hardware, Add	16.49	
For Bi-Level Carrier, Add	186.07	
22 47 26 00-0004 EA Floor Mounted Bearing Plate Type, Single Water Cooler Carrier .....	362.31	24.78
For Up To 4" Extension Sleeves And Hardware, Add	16.49	
For Bi-Level Carrier, Add	186.07	
<b>22 50 Pool And Fountain Plumbing Systems (22)</b>		
<b>22 51 Swimming Pool Plumbing Systems (22 50)</b>		
<b>22 51 13 Swimming Pool Piping (22 51)</b>		
<b>22 51 13 00-0001 Swimming Pool Gutters (22 51 13)</b>		
22 51 13 00-0002 LF Swimming Pool Gutters, Stainless .....	240.89	14.67
<b>22 51 13 00-0003 Pool Drains (22 51 13)</b>		
<b>22 51 13 00-0004 Cast Iron Pool Drain With Bottom Outlet (22 51 13 00-0003)</b>		
Note: Large square top and 24" loose set round super-flo grate.		
22 51 13 00-0005 EA Cast Iron Pool Drain, 4" - 8" Bottom Outlet, Large Square Top And 24" Super-Flo Grate .....	1,765.11	41.07
For Polished Bronze Top, Add	769.60	
For Chromium Plated Top, Add	805.00	
For Galvanized Top, Add	276.40	
For Vandal Proof Construction, Add	57.20	
22 51 13 00-0006 Cast Iron Pool Drain With Waterproof Flange (22 51 13 00-0003)		
Note: Bottom outlet 14" square top and loose set square flange.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 13 00-0007 EA Cast Iron Pool Drain, 2" - 4" Bottom Outlet With Waterproof Flange And 14" Square Top .....	495.59	41.07
<i>For Clamp Device, Add</i>	13.80	
<i>For Galvanized Top, Add</i>	38.10	
<i>For Polished Bronze Top, Add</i>	133.50	
<i>For Chromium Plated Top, Add</i>	146.90	
<i>For Hinge Grate, Add</i>	28.60	
<i>For Supplementary Strainer, Add</i>	7.00	
<i>For Threaded Outlet, Add</i>	9.50	
<i>For Vandal Proof Construction, Add</i>	17.10	
<i>For Ground Screw, Add</i>	18.30	
<b>22 51 13 00-0008 Pool Supply Fittings</b> <small>(22 51 13)</small>		
<b>22 51 13 00-0009 Cast Iron Pool Supply Fittings</b> <small>(22 51 13 00-0008)</small>		
Note: Includes polished bronze head and anchor flange and adjustable V-ported valve insert and threaded inlet.		
22 51 13 00-0010 EA Cast Iron Pool Fitting For 2" Pipe.....	641.17	73.34
<i>For Galvanized Head, Add</i>	26.30	
<i>For Vandal Proof Construction, Add</i>	11.50	
<i>For Grounding Screw, Add</i>	18.30	
22 51 13 00-0011 EA Cast Iron Pool Fitting For 3" Pipe.....	641.17	73.34
<i>For Chromium Plated Head, Add</i>	11.50	
<i>For Galvanized Head, Add</i>	26.30	
<i>For Vandal Proof Construction, Add</i>	11.50	
<i>For Grounding Screw, Add</i>	18.30	
<b>22 51 16 Swimming Pool Pumps</b> <small>(22 51)</small>		
<b>22 51 16 00-0001 Variable Speed Pool Pumps</b> <small>(22 51 16)</small>		
22 51 16 00-0002 EA 3 HP, Variable Speed Pool Pump With Vacuum Release (Pentair INTELLIFLO VS+SVRS 11017) .....	1,670.61	277.05
22 51 16 00-0003 EA Variable Speed Pool Pump (Hayward EcoStar SVRS SP3400VSP) .....	1,829.06	277.05
22 51 16 00-0004 EA Variable Speed Pool Pump With Vacuum Release (Hayward EcoStar SVRS SP3400VSPVR).....	2,041.73	277.05
<b>22 51 16 00-0005 Electric Powered Portable Vacuum Cleaner Pump</b> <small>(22 51 16)</small>		
Note: Includes 75' of 3 wire electric safety cord.		
22 51 16 00-0006 EA 1 HP Electric Portable Vacuum Cleaner Pump With 75' Of 3-Wire Safety Cord.....	286.86	32.59
22 51 16 00-0007 EA 1-1/2 HP Electric Portable Vacuum Cleaner Pump With 75' Of 3-Wire Safety Cord.....	559.70	32.59
<b>22 51 16 00-0008 Gasoline Driven Portable Vacuum Cleaner Pump</b> <small>(22 51 16)</small>		
22 51 16 00-0009 EA 3 HP Gasoline Driven Portable Vacuum Cleaner Pump .....	2,373.56	32.59
<b>22 51 19 Swimming Pool Water Treatment Equipment</b> <small>(22 51)</small>		
<b>22 51 19 00-0001 Swimming Pool Heaters</b> <small>(22 51 19)</small>		
Note: Excludes wiring, external piping, base or pad. Commercial pools.		
<b>22 51 19 00-0002 Electric Pool Heaters</b> <small>(22 51 19 00-0001)</small>		
22 51 19 00-0003 EA 12 KW Heater (1 Degree/Hour), For 4,800 Gallon Pool.....	5,270.04	130.38
22 51 19 00-0004 EA 18 KW Heater (1 Degree/Hour), For 7,200 Gallon Pool.....	5,914.94	140.15
22 51 19 00-0005 EA 24 KW Heater (1 Degree/Hour), For 9,600 Gallon Pool.....	6,539.06	162.97
22 51 19 00-0006 EA 30 KW Heater (1 Degree/Hour), For 12,000 Gallon Pool.....	6,825.92	195.56
22 51 19 00-0007 EA 36 KW Heater (1 Degree/Hour), For 14,400 Gallon Pool.....	7,264.88	273.79
22 51 19 00-0008 EA 60 KW Heater (1 Degree/Hour), For 24,000 Gallon Pool.....	8,004.51	391.13
<b>22 51 19 00-0009 Gas Fired Pool Heaters</b> <small>(22 51 19 00-0001)</small>		
22 51 19 00-0010 EA 120 MBH Output Gas Fired Pool Heater .....	3,874.32	582.99
22 51 19 00-0011 EA 180 MBH Output Gas Fired Pool Heater .....	4,396.98	666.28
22 51 19 00-0012 EA 240 MBH Output Gas Fired Pool Heater .....	4,971.40	749.56
22 51 19 00-0013 EA 300 MBH Output Gas Fired Pool Heater .....	5,671.63	916.13
22 51 19 00-0014 EA 360 MBH Output Gas Fired Pool Heater .....	5,877.82	987.09
22 51 19 00-0015 EA 400 MBH Output Gas Fired Pool Heater .....	6,755.54	1,175.93
22 51 19 00-0016 EA 500 MBH Output Gas Fired Pool Heater .....	11,095.70	1,356.84
22 51 19 00-0017 EA 600 MBH Output Gas Fired Pool Heater .....	12,943.03	1,492.52
22 51 19 00-0018 EA 750 MBH Output Gas Fired Pool Heater .....	14,647.59	1,628.20
22 51 19 00-0019 EA 1,000 MBH Output Gas Fired Pool Heater .....	18,938.38	1,922.18
<b>22 51 19 00-0020 Condensing Pool Water Heater</b> <small>(22 51 19)</small>		
22 51 19 00-0021 EA 372 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN400).....	22,675.20	467.34
22 51 19 00-0022 EA 467 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN501).....	24,710.30	560.80
22 51 19 00-0023 EA 567 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN601).....	27,096.48	607.54
22 51 19 00-0024 EA 660 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN701).....	33,274.38	654.28
22 51 19 00-0025 EA 773 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN801).....	34,517.45	701.01
22 51 19 00-0026 EA 967 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1015).....	52,291.75	841.21
22 51 19 00-0027 EA 1,257 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1320).....	66,982.65	887.95
22 51 19 00-0028 EA 1,450 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1520).....	69,688.63	958.04



**22 Plumbing****22 50 Pool And Fountain Plumbing Systems****22 51 Swimming Pool Plumbing Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 19 00-0029			<b>Non Condensing Pool Water Heater</b> (22 51 19)		
22 51 19 00-0030	EA		500 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN0502).....	12,259.20	607.54
22 51 19 00-0031	EA		650 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN0652).....	13,066.30	654.28
22 51 19 00-0032	EA		750 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN0752).....	14,233.16	701.01
22 51 19 00-0033	EA		990 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN0992).....	18,797.11	841.21
22 51 19 00-0034	EA		1,260 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN1262).....	21,769.90	887.95
22 51 19 00-0035	EA		1,440 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN1442).....	23,241.50	958.04
22 51 19 00-0036	EA		1,800 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN1802).....	23,035.76	1,004.78
22 51 19 00-0037	EA		2,070 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN2072).....	29,818.97	1,028.14
22 51 19 00-0038			<b>Surge Tanks</b> (22 51 19) Note: Includes 100 GPM vertical pump with 2 HP motor and electronic float switch. Prices are for 1' To 5' sump depth for pump.		
22 51 19 00-0039	EA		1,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	11,706.00	486.78
22 51 19 00-0040	EA		1,500 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	13,139.82	486.78
22 51 19 00-0041	EA		2,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	15,772.95	604.24
22 51 19 00-0042	EA		5,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch.....	20,813.86	975.18
22 51 19 00-0043			<b>Diatomite Type Filter System</b> (22 51 19)		
22 51 19 00-0044	EA		35,000 Gallon Filter System, Diatomite.....	10,246.17	1,674.81
22 51 19 00-0045	EA		45,000 Gallon Filter System, Diatomite.....	12,143.18	2,009.77
22 51 19 00-0046			<b>Silver Recovery System, X-Ray Film Processing</b> (22 51 19)		
22 51 19 00-0047	EA		20 Gallon/Day Capacity, Silver Recovery System.....	2,153.15	221.27
22 51 19 00-0048	EA		40 Gallon/Day Capacity, Silver Recovery System.....	3,233.71	295.07
22 51 19 00-0049			<b>Inline Water Filter</b> (22 51 19) Note: 3/8" NPT threaded inlet and outlet, 125 PSI, includes one filter cartridge.		
22 51 19 00-0050	EA		2 GPM Water Filter, 100 Degree Temperature, 8" x 5" Diameter, Plastic Body.....	235.87	65.19
22 51 19 00-0051	EA		6 GPM Water Filter, 250 Degree Temperature, 12" x 5" Diameter, Stainless Steel Body.....	518.71	97.78
22 51 19 00-0052			<b>Swimming Pool Chlorinators</b> (22 51 19)		
22 51 19 00-0053	EA		Swimming Pool Chlorinator, 50-100 PPD, Direct Cylinder Mounted Gas Chlorinator.....	893.40	93.22
22 51 19 00-0054			<b>Ultra-Violet Pool Treatment Lights</b> (22 51 19)		
22 51 19 00-0055			<b>Stainless Steel Ultra-Violet Pool Treatment Lights</b> (22 51 19 00-0054) Note: Delta ELP Amalgam Series		
22 51 19 00-0056	EA		3" Flanged, 79 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	8,820.31	208.68
22 51 19 00-0057	EA		3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	9,324.88	208.68
22 51 19 00-0058	EA		3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	9,757.37	208.68
22 51 19 00-0059	EA		4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	10,066.05	220.93
22 51 19 00-0060	EA		4" Flanged, 295 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	10,280.38	220.93
22 51 19 00-0061	EA		4" Flanged, 329 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	12,226.55	220.93
22 51 19 00-0062	EA		6" Flanged, 396 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	14,388.99	363.79
22 51 19 00-0063	EA		6" Flanged, 440 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	21,352.69	363.79
22 51 19 00-0064	EA		6" Flanged, 650 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	23,444.79	363.79
22 51 19 00-0065	EA		8" Flanged, 695 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	25,137.49	436.43
22 51 19 00-0066	EA		8" Flanged, 920 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	27,001.03	436.43
22 51 19 00-0067	EA		8" Flanged, 1140 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	28,302.01	436.43
22 51 19 00-0068	EA		8" Flanged, 1260 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	29,708.46	436.43
22 51 19 00-0069	EA		10" Flanged, 1510 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	31,907.90	496.09
22 51 19 00-0070	EA		10" Flanged, 1760 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	34,369.20	496.09
22 51 19 00-0071	EA		10" Flanged, 2010 GPM, 8 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	36,830.48	496.09
22 51 19 00-0072	EA		10" Flanged, 2520 GPM, 10 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	39,819.19	496.09
22 51 19 00-0073			<b>HDPE Ultra-Violet Pool Treatment Lights</b> (22 51 19 00-0054) Note: Delta EL Series		
22 51 19 00-0074	EA		3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing.....	4,398.80	208.68
22 51 19 00-0075	EA		3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing.....	4,891.04	208.68
22 51 19 00-0076	EA		4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing.....	5,401.76	220.93
22 51 19 00-0077			<b>In-Line, Stainless Steel Ultra-Violet Pool Treatment Lights</b> (22 51 19 00-0054) Note: Delta EM Series		
22 51 19 00-0078	EA		3" Flanged, 100 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	17,056.85	208.68



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 19 00-0079 EA 3" Flanged, 170 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	17,232.64	208.68
22 51 19 00-0080 EA 6" Flanged, 300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	18,353.44	363.79
22 51 19 00-0081 EA 6" Flanged, 600 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	23,254.91	363.79
22 51 19 00-0082 EA 8" Flanged, 1300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing.....	32,451.04	436.43
22 51 19 00-0083 EA 10" Flanged, 2000 GPM, 2 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing...	36,619.52	496.09
22 51 19 00-0084 EA 12" Flanged, 3000 GPM, 3 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing...	43,170.02	641.96
22 51 19 00-0085 EA 12" Flanged, 4000 GPM, 4 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing...	48,444.20	641.96

**22 51 23 Swimming Pool Equipment Controls (22 51)**

**22 51 23 00-0001 Pool Pump Variable Frequency Drive (22 51 23)**

Note: Pentair Acu Drive XS

22 51 23 00-0002 EA 3 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N01).....	2,806.19	141.15
22 51 23 00-0003 EA 5 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N01).....	3,012.82	158.80
22 51 23 00-0004 EA 7-1/2 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N01).....	3,608.30	198.49
22 51 23 00-0005 EA 10 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N01).....	3,836.48	236.87
22 51 23 00-0006 EA 15 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N01).....	4,105.58	275.68
22 51 23 00-0007 EA 20 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N01).....	4,653.05	314.94
22 51 23 00-0008 EA 3 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N01).....	2,809.74	141.15
22 51 23 00-0009 EA 5 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N01).....	2,962.01	158.80
22 51 23 00-0010 EA 7-1/2 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N01).....	3,192.41	198.49
22 51 23 00-0011 EA 10 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N01).....	3,432.41	236.87
22 51 23 00-0012 EA 15 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N01).....	4,047.69	275.68
22 51 23 00-0013 EA 20 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N01).....	4,495.91	314.94
22 51 23 00-0014 EA 3 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N01FB).....	3,626.15	141.15
22 51 23 00-0015 EA 5 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N01FB).....	4,169.51	158.80
22 51 23 00-0016 EA 7-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N01FB).....	4,633.84	198.49
22 51 23 00-0017 EA 10 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N01FB).....	4,995.53	236.87
22 51 23 00-0018 EA 15 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N01FB).....	5,881.37	275.68
22 51 23 00-0019 EA 20 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N01FB).....	6,630.88	314.94
22 51 23 00-0020 EA 3 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N01FB).....	3,894.36	141.15
22 51 23 00-0021 EA 5 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N01FB).....	4,049.23	158.80
22 51 23 00-0022 EA 7-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N01FB).....	4,275.85	198.49
22 51 23 00-0023 EA 10 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N01FB).....	4,517.02	236.87
22 51 23 00-0024 EA 15 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N01FB).....	5,154.75	275.68
22 51 23 00-0025 EA 20 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N01FB).....	5,639.60	314.94
22 51 23 00-0026 EA 1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-2303-N12).....	2,670.13	141.15
22 51 23 00-0027 EA 3/4 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-2303-N12).....	2,714.67	141.15
22 51 23 00-0028 EA 1 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-2303-N12).....	2,742.19	141.15
22 51 23 00-0029 EA 1-1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-2303-N12).....	2,816.33	141.15
22 51 23 00-0030 EA 2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-2303-N12).....	2,928.33	141.15
22 51 23 00-0031 EA 3 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N12).....	3,015.20	141.15
22 51 23 00-0032 EA 5 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N12).....	3,227.73	158.80
22 51 23 00-0033 EA 7-1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N12).....	3,848.00	198.49
22 51 23 00-0034 EA 10 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N12).....	4,115.28	236.87
22 51 23 00-0035 EA 15 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N12).....	4,392.70	275.68
22 51 23 00-0036 EA 20 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N12).....	4,990.85	314.94

**22 Plumbing****22 50 Pool And Fountain Plumbing Systems****22 51 Swimming Pool Plumbing Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0037	EA	25 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-2303-N12).....	6,556.09	392.57
22 51 23 00-0038	EA	30 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-2303-N12).....	7,237.28	432.27
22 51 23 00-0039	EA	40 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-2303-N12).....	8,561.91	471.96
22 51 23 00-0040	EA	50 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-2303-N12).....	9,961.85	551.36
22 51 23 00-0041	EA	60 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-2303-N12).....	10,913.16	591.06
22 51 23 00-0042	EA	1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-4603-N12).....	2,725.64	141.15
22 51 23 00-0043	EA	3/4 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-4603-N12).....	2,783.17	141.15
22 51 23 00-0044	EA	1 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-4603-N12).....	2,855.55	141.15
22 51 23 00-0045	EA	1-1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-4603-N12).....	2,917.76	141.15
22 51 23 00-0046	EA	2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-4603-N12).....	2,981.16	141.15
22 51 23 00-0047	EA	3 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N12).....	3,048.07	141.15
22 51 23 00-0048	EA	5 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N12).....	3,205.43	158.80
22 51 23 00-0049	EA	7-1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N12).....	3,438.30	198.49
22 51 23 00-0050	EA	10 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N12).....	3,684.21	236.87
22 51 23 00-0051	EA	15 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N12).....	4,477.93	275.68
22 51 23 00-0052	EA	20 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N12).....	4,936.61	314.94
22 51 23 00-0053	EA	25 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-4603-N12).....	5,439.18	392.57
22 51 23 00-0054	EA	30 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-4603-N12).....	6,152.67	432.27
22 51 23 00-0055	EA	40 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-4603-N12).....	6,946.99	471.96
22 51 23 00-0056	EA	50 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-4603-N12).....	8,514.62	551.36
22 51 23 00-0057	EA	60 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-4603-N12).....	9,355.15	591.06
22 51 23 00-0058	EA	75 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD750-4603-N12).....	10,491.91	630.76
22 51 23 00-0059	EA	100 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC10-4603-N12).....	12,434.43	668.25
22 51 23 00-0060	EA	125 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC13-4603-N12).....	14,342.96	705.75
22 51 23 00-0061	EA	150 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC15-4603-N12).....	15,555.81	789.55
22 51 23 00-0062	EA	200 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC20-4603-N12).....	18,162.67	864.53
22 51 23 00-0063	EA	1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-2303-N12FB).....	3,857.61	141.15
22 51 23 00-0064	EA	3/4 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-2303-N12FB).....	3,902.15	141.15
22 51 23 00-0065	EA	1 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-2303-N12FB).....	3,929.67	141.15
22 51 23 00-0066	EA	1-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-2303-N12FB).....	4,003.81	141.15
22 51 23 00-0067	EA	2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-2303-N12FB).....	4,115.80	141.15
22 51 23 00-0068	EA	3 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N12FB).....	4,202.68	141.15
22 51 23 00-0069	EA	5 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N12FB).....	4,415.21	158.80
22 51 23 00-0070	EA	7-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N12FB).....	4,901.05	198.49
22 51 23 00-0071	EA	10 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N12FB).....	5,305.63	236.87
22 51 23 00-0072	EA	15 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N12FB).....	6,215.27	275.68
22 51 23 00-0073	EA	20 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N12FB).....	7,023.83	314.94
22 51 23 00-0074	EA	25 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-2303-N12FB).....	8,267.06	392.57
22 51 23 00-0075	EA	30 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-2303-N12FB).....	9,101.47	432.27
22 51 23 00-0076	EA	40 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-2303-N12FB).....	11,631.14	471.96
22 51 23 00-0077	EA	50 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-2303-N12FB).....	15,340.06	551.36
22 51 23 00-0078	EA	60 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-2303-N12FB).....	16,859.88	591.06



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0079 EA 1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-4603-N12FB).....	3,840.76	141.15
22 51 23 00-0080 EA 3/4 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-4603-N12FB).....	3,898.28	141.15
22 51 23 00-0081 EA 1 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-4603-N12FB).....	3,970.67	141.15
22 51 23 00-0082 EA 1-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-4603-N12FB).....	4,032.89	141.15
22 51 23 00-0083 EA 2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-4603-N12FB).....	4,096.27	141.15
22 51 23 00-0084 EA 3 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N12FB).....	4,163.19	141.15
22 51 23 00-0085 EA 5 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N12FB).....	4,320.55	158.80
22 51 23 00-0086 EA 7-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N12FB).....	4,552.21	198.49
22 51 23 00-0087 EA 10 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N12FB).....	4,798.13	236.87
22 51 23 00-0088 EA 15 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N12FB).....	5,616.03	275.68
22 51 23 00-0089 EA 20 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N12FB).....	6,112.14	314.94
22 51 23 00-0090 EA 25 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-4603-N12FB).....	6,694.39	392.57
22 51 23 00-0091 EA 30 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-4603-N12FB).....	7,545.33	432.27
22 51 23 00-0092 EA 40 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-4603-N12FB).....	8,937.22	471.96
22 51 23 00-0093 EA 50 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-4603-N12FB).....	10,283.40	551.36
22 51 23 00-0094 EA 60 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-4603-N12FB).....	11,449.92	591.06
22 51 23 00-0095 EA 75 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD750-4603-N12FB).....	13,298.94	630.76
22 51 23 00-0096 EA 100 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC10-4603-N12FB).....	17,547.06	668.25
22 51 23 00-0097 EA 125 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC13-4603-N12FB).....	19,413.41	705.75
22 51 23 00-0098 EA 150 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC15-4603-N12FB).....	24,395.10	789.55
22 51 23 00-0099 EA 200 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC20-4603-N12FB).....	28,668.01	864.53
22 51 23 00-0100 EA 380+ Volt AC, Up To 10 HP, 260 Volt AC, Up To 3 HP, 3 Year Extended Warranty (Pentair AD-EWW136).....	263.81	
22 51 23 00-0101 EA 380+ Volt AC, 15 To 40 HP, 260 Volt AC, 5 To 25 HP, 3 Year Extended Warranty (Pentair AD-EWW236).....	420.97	
22 51 23 00-0102 EA 380+ Volt AC, Up To 10 HP, 260 Volt AC, Up To 3 HP, 6 Year Extended Warranty (Pentair AD-EWW172).....	465.87	
22 51 23 00-0103 EA 380+ Volt AC, 15 To 40 HP, 260 Volt AC, 5 To 25 HP, 6 Year Extended Warranty (Pentair AD-EWW272).....	791.42	
22 51 23 00-0104 EA 380+ Volt AC, 50 To 125 HP, 260 Volt AC, 30 To 60 HP, 6 Year Extended Warranty (Pentair AD-EWW372).....	1,509.86	
22 51 23 00-0105 EA 3" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97014-4203KIT).....	942.27	
22 51 23 00-0106 EA 4" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97014-4204KIT).....	985.10	
22 51 23 00-0107 EA 6" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97016-4206KIT).....	1,074.89	
22 51 23 00-0108 EA 8" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97016-4208KIT).....	1,152.72	
22 51 23 00-0109 EA 3" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97014BL-03KIT).....	1,349.43	
22 51 23 00-0110 EA 4" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97014BL-04KIT).....	1,389.66	
22 51 23 00-0111 EA 6" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97016BL-06KIT).....	1,475.30	
22 51 23 00-0112 EA 8" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97016BL-08KIT).....	1,550.68	
22 51 23 00-0113 EA 10" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97020BL-10KIT).....	1,853.84	
22 51 23 00-0114 EA 12" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97020BL-12KIT).....	1,860.91	
<b>22 51 23 00-0115 Eco-Flow-E Aquatic Variable Frequency Drive And Options <small>(22 51 23)</small></b>		
<b>22 51 23 00-0116 Eco-Flow-E Aquatic Variable Frequency Drive <small>(22 51 23 00-0115)</small></b>		
22 51 23 00-0117 EA 2 HP, 480 Volt, 3 Phase, 4 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-04-12-4).....	2,231.51	117.63
<i>For Bypass Panel, Add</i>	512.82	
22 51 23 00-0118 EA 3 HP, 480 Volt, 3 Phase, 6 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-06-12-4).....	2,233.64	117.63
<i>For Bypass Panel, Add</i>	512.82	
22 51 23 00-0119 EA 5 HP, 480 Volt, 3 Phase, 8 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-08-12-4).....	2,274.38	132.33
<i>For Bypass Panel, Add</i>	512.82	
22 51 23 00-0120 EA 7-1/2 HP, 480 Volt, 3 Phase, 12 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-12-12-4).....	2,363.95	165.41
<i>For Bypass Panel, Add</i>	512.82	
22 51 23 00-0121 EA 10 HP, 480 Volt, 3 Phase, 16 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-16-12-4).....	2,559.04	197.39
<i>For Bypass Panel, Add</i>	512.82	

**22 Plumbing****22 50 Pool And Fountain Plumbing Systems****22 51 Swimming Pool Plumbing Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0122 EA 15 HP, 480 Volt, 3 Phase, 24 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-24-12-4).....	2,849.17	229.74
<i>For Bypass Panel, Add</i>	604.93	
22 51 23 00-0123 EA 20 HP, 480 Volt, 3 Phase, 30 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-30-12-4).....	3,356.95	262.45
<i>For Bypass Panel, Add</i>	604.93	
22 51 23 00-0124 EA 25 HP, 480 Volt, 3 Phase, 39 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-39-12-4).....	3,501.33	328.61
<i>For Bypass Panel, Add</i>	604.93	
22 51 23 00-0125 EA 30 HP, 480 Volt, 3 Phase, 45 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-45-12-4).....	4,184.21	361.33
<i>For Bypass Panel, Add</i>	604.93	
22 51 23 00-0126 EA 40 HP, 480 Volt, 3 Phase, 61 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-61-12-4).....	4,317.67	393.67
<i>For Bypass Panel, Add</i>	735.31	
22 51 23 00-0127 EA 1/2 HP, 208/230 Volt, 1 Phase (1 HP, 208/230 Volt, 3 Phase) 8 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-08-12-2).....	2,219.46	117.63
<i>For Bypass Panel, Add</i>	512.82	
22 51 23 00-0128 EA 1 HP, 208/230 Volt, 1 Phase (2 HP, 208/230 Volt, 3 Phase) 12 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-12-12-2).....	2,222.30	117.63
<i>For Bypass Panel, Add</i>	512.82	
22 51 23 00-0129 EA 1-1/2 HP, 208/230 Volt, 1 Phase (3 HP, 208/230 Volt, 3 Phase) 16 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-16-12-2).....	2,235.77	117.63
<i>For Bypass Panel, Add</i>	512.82	
22 51 23 00-0130 EA 5 HP, 208/230 Volt, 1 Phase, 24 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-24-12-2).....	2,285.72	132.33
<i>For Bypass Panel, Add</i>	604.93	
22 51 23 00-0131 EA 3 HP, 208/230 Volt, 1 Phase (7-1/2 HP, 208/230 Volt, 3 Phase) 32 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-32-12-2).....	2,485.88	165.41
<i>For Bypass Panel, Add</i>	604.93	
22 51 23 00-0132 EA 5 HP, 208/230 Volt, 1 Phase (10 HP, 208/230 Volt, 3 Phase) 46 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-46-12-2).....	2,773.13	197.39
<i>For Bypass Panel, Add</i>	604.93	
22 51 23 00-0133 EA 7-1/2 HP, 208/230 Volt, 1 Phase (15 HP, 208/230 Volt, 3 Phase) 60 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-60-12-2).....	3,285.15	229.74
<i>For Bypass Panel, Add</i>	735.31	
22 51 23 00-0134 EA 10 HP, 208/230 Volt, 1 Phase (20 HP, 208/230 Volt, 3 Phase) 74 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-74-12-2).....	3,364.03	262.45
<i>For Bypass Panel, Add</i>	735.31	
22 51 23 00-0135 EA 25 HP, 208/230 Volt, 1 Phase, 88 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-88-12-2).....	4,108.85	328.61
<i>For Bypass Panel, Add</i>	996.14	
22 51 23 00-0136 EA 15 HP, 208/230 Volt, 1 Phase (30 HP, 208/230 Volt, 3 Phase) 124 Amps Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-124-12-2).....	4,243.76	361.33
<i>For Bypass Panel, Add</i>	1,368.97	
<b>22 51 23 00-0137 Eco-Flow-E Aquatic Variable Frequency Drive Options</b> <small>(22 51 23 00-0115)</small>		
22 51 23 00-0138 EA 0 To 30 PSI, 1/4" NPT Male Thread, 4 To 20 mA Output, 10' Cable, Pressure Sensor (H2Flow PS-30).....	311.44	55.13
22 51 23 00-0139 EA 0 To 100 PSI, 1/4" NPT Male Thread, 4 To 20 mA Output, 10' Cable, Pressure Sensor (H2Flow PS-100).....	311.44	55.13
22 51 23 00-0140 EA Lightning Arrestor (H2Flow LA).....	327.30	36.76
22 51 23 00-0141 EA 2 HP, 480 Volt, (3/4 HP, 208/230 Volt) Load Reactor (TCI V1K4A00).....	364.86	16.54
22 51 23 00-0142 EA 3 HP, 480 Volt, (1 To 1-1/2 HP, 208/230 Volt) Load Reactor (TCI V1K6A00).....	377.03	18.38
22 51 23 00-0143 EA 5 HP, 480 Volt, (2 HP, 208/230 Volt) Load Reactor (TCI V1K8A00).....	386.38	20.22
22 51 23 00-0144 EA 7-1/2 HP, 480 Volt, (3 HP, 208/230 Volt) Load Reactor (TCI V1K12A00).....	403.52	22.06
22 51 23 00-0145 EA 10 HP, 480 Volt, (5 HP, 208/230 Volt) Load Reactor (TCI V1K16A00).....	411.46	23.89
22 51 23 00-0146 EA 15 HP, 480 Volt, (7-1/2 HP, 208/230 Volt) Load Reactor (TCI V1K25A00).....	536.35	25.73
22 51 23 00-0147 EA 20 HP, 480 Volt, Load Reactor (TCI V1K27A00).....	559.16	27.57
22 51 23 00-0148 EA 25 HP, 480 Volt, (10 HP, 208/230 Volt) Load Reactor (TCI V1K35A00).....	584.10	29.41
22 51 23 00-0149 EA 30 HP, 480 Volt, (15 HP, 208/230 Volt) Load Reactor (TCI V1K45A00).....	608.33	31.25
22 51 23 00-0150 EA 40 HP, 480 Volt, (20 HP, 208/230 Volt) Load Reactor (TCI V1K55A00).....	629.74	33.09
22 51 23 00-0151 EA 25 To 30 HP, 208/230 Volt, Load Reactor (TCI V1K80A00).....	864.52	34.92
22 51 23 00-0152 EA 1 HP, 208/230 Volt, Line Reactor (TCI KDRA25L).....	112.61	18.38
22 51 23 00-0153 EA 2 HP, 208/230 Volt, Line Reactor (TCI KDRA27L).....	120.55	20.22
22 51 23 00-0154 EA 3 HP, 208/230 Volt, Line Reactor (TCI KDRA28L).....	134.85	22.06
22 51 23 00-0155 EA 5 HP, 208/230 Volt, Line Reactor (TCI KDRB22L).....	176.81	23.89
22 51 23 00-0156 EA 7-1/2 HP, 208/230 Volt, Line Reactor (TCI KDRB23L).....	198.20	25.73
22 51 23 00-0157 EA 10 HP, 208/230 Volt, Line Reactor (TCI KDRD25L).....	205.42	27.57
22 51 23 00-0158 EA 15 HP, 208/230 Volt, Line Reactor (TCI KDRD24L).....	212.64	29.41
22 51 23 00-0159 EA 20 HP, 208/230 Volt, Line Reactor (TCI KDRD26L).....	225.53	31.25
22 51 23 00-0160 EA 25 HP, 208/230 Volt, Line Reactor (TCI KDRC22L).....	284.50	33.09
22 51 23 00-0161 EA 30 HP, 208/230 Volt, Line Reactor (TCI KDRF24L).....	292.43	34.92
22 51 23 00-0162 EA 1 HP, 480 Volt, Line Reactor (TCI KDRA8L).....	113.32	18.38
22 51 23 00-0163 EA 2 HP, 480 Volt, Line Reactor (TCI KDRA1L).....	124.80	20.22
22 51 23 00-0164 EA 3 HP, 480 Volt, Line Reactor (TCI KDRA2L).....	136.98	22.06
22 51 23 00-0165 EA 5 HP, 480 Volt, Line Reactor (TCI KDRA3L).....	144.20	23.89
22 51 23 00-0166 EA 7-1/2 HP, 480 Volt, Line Reactor (TCI KDRA4L).....	150.71	25.73
22 51 23 00-0167 EA 10 HP, 480 Volt, Line Reactor (TCI KDRA5L).....	188.40	27.57
22 51 23 00-0168 EA 15 HP, 480 Volt, Line Reactor (TCI KDRB2L).....	196.34	29.41
22 51 23 00-0169 EA 20 HP, 480 Volt, Line Reactor (TCI KDRB1L).....	206.39	31.25
22 51 23 00-0170 EA 25 HP, 480 Volt, Line Reactor (TCI KDRD1L).....	213.61	33.09
22 51 23 00-0171 EA 30 HP, 480 Volt, Line Reactor (TCI KDRD2L).....	256.99	34.92
22 51 23 00-0172 EA 40 HP, 480 Volt, Line Reactor (TCI KDRC1L).....	279.80	36.76



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 51	23	00-0173	EA Models 04 To 30, 304 SS Metric To English Conduit Adaptor Kit.....	45.79	
	22 51	23	00-0174	EA Models 32 To 46, 304 SS Metric To English Conduit Adaptor Kit.....	62.11	
	22 51	23	00-0175	EA Models 60 To 74, 304 SS Metric To English Conduit Adaptor Kit.....	77.03	
<b>22 51</b>	<b>23</b>	<b>00-0176</b>		<b>Pool Flow Meters</b> <small>(22 51 23)</small>		
	22 51	23	00-0177	EA 20 To 110 GPM, 1-1/2" Retrofit Kit FlowVis For Existing Jandy Or Praher Valve Flow Meter (H2Flow FVJ-R-15) .....	81.66	13.04
	22 51	23	00-0178	EA 20 To 110 GPM, 2" x 2-1/2" Retrofit Kit FlowVis For Existing Jandy® Or Praher Valve Flow Meter (H2Flow FVJ-R) .....	81.66	13.04
	22 51	23	00-0179	EA 20 To 110 GPM, 1-1/2" Complete FlowVis Including Valve Body Flow Meter (H2Flow FV-C-15) .....	127.73	24.44
	22 51	23	00-0180	EA 20 To 110 GPM, 2" x 2-1/2" Complete FlowVis Including Valve Body Flow Meter (H2Flow FV-C) .....	107.73	26.08
<b>22 51</b>	<b>23</b>	<b>00-0181</b>		<b>Paddlewheel Flow Sensors</b> <small>(22 51 23)</small>		
	22 51	23	00-0182	EA 1/2" To 4" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P0) .....	548.67	42.46
				Note: Includes 25' of cable (extendable to 200').		
	22 51	23	00-0183	EA 1/2" To 4" Pipe, Polypropylene Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-PO) .....	725.19	42.46
	22 51	23	00-0184	EA 1/2" To 4" Pipe, Polypropylene Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-PO) .....	725.19	42.46
	22 51	23	00-0185	EA 1/2" To 4" Pipe, Polypropylene Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-PO) .....	752.84	42.46
	22 51	23	00-0186	EA 1/2" To 4" Pipe, Polypropylene Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-PO) .....	782.61	42.46
	22 51	23	00-0187	EA 1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-TO) .....	838.97	42.46
	22 51	23	00-0188	EA 1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-TO) .....	838.97	42.46
	22 51	23	00-0189	EA 1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-TO) .....	874.06	42.46
	22 51	23	00-0190	EA 1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-TO) .....	908.09	42.46
	22 51	23	00-0191	EA >4" To 8" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P1) .....	573.13	42.46
				Note: Includes 25' of cable (extendable to 200').		
	22 51	23	00-0192	EA >4" To 8" Pipe, Polypropylene Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-P1) .....	752.84	42.46
	22 51	23	00-0193	EA >4" To 8" Pipe, Polypropylene Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-P1) .....	752.84	42.46
	22 51	23	00-0194	EA >4" To 8" Pipe, Polypropylene Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-P1) .....	782.61	42.46
	22 51	23	00-0195	EA >4" To 8" Pipe, Polypropylene Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-P1) .....	810.26	42.46
	22 51	23	00-0196	EA >8" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P2) .....	595.46	42.46
				Note: Includes 25' of cable (extendable to 200').		
	22 51	23	00-0197	EA 2" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S020) .....	182.53	
	22 51	23	00-0198	EA 4" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S040) .....	252.34	
	22 51	23	00-0199	EA 6" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S060) .....	310.47	
	22 51	23	00-0200	EA 8" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S080) .....	381.34	
	22 51	23	00-0201	EA 10" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S100) .....	504.33	
	22 51	23	00-0202	EA 12" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S120) .....	511.41	
	22 51	23	00-0203	EA 24 Volt DC, Power Supply 7.5 Watt, 300 mA (Signet 7300-7524) .....	182.16	11.76
	22 51	23	00-0204	EA 24 Volt DC, Power Supply 15 Watt, 600 mA (Signet 7300-1524) .....	249.15	11.76
	22 51	23	00-0205	EA 24 Volt DC, Power Supply 30 Watt, 1.3 Amp (Signet 7300-3024) .....	306.57	11.76
	22 51	23	00-0206	EA 24 Volt DC, Power Supply 50 Watt, 2.1 Amp (Signet 7300-5024) .....	387.39	11.76
	22 51	23	00-0207	EA 24 Volt DC, Power Supply 100 Watt, 4.2 Amp (Signet 7300-1024) .....	536.25	11.76

## 22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities (22)

### 22 63 Gas Systems For Laboratory And Healthcare Facilities (22 60)

#### 22 63 13 Gas Piping For Laboratory And Healthcare Facilities (22 63)

##### 22 63 13 53 Laboratory Gas Piping (22 63 13)

See CSI section 23 21 13 23-0001 for black steel pipe, 23 21 13 23-2130 for PVC piping.

##### 22 63 13 70 Healthcare Gas Piping (22 63 13)

#### 22 63 13 70-0001 Zone Valve Assemblies (22 63 13 70)

#### 22 63 13 70-0002 Single Zone Valve Assemblies (22 63 13 70-0001)

	22 63	13	70-0003	EA 1/2" Single Zone Valve Assembly With Gauge (Amico VBU-M-05) .....	271.53	51.76
	22 63	13	70-0004	EA 3/4" Single Zone Valve Assembly With Gauge (Amico VBU-M-07) .....	290.19	56.13
	22 63	13	70-0005	EA 1" Single Zone Valve Assembly With Gauge (Amico VBU-M-10) .....	308.71	59.72
	22 63	13	70-0006	EA 1-1/4" Single Zone Valve Assembly With Gauge (Amico VBU-M-12) .....	346.90	65.19
	22 63	13	70-0007	EA 1-1/2" Single Zone Valve Assembly With Gauge (Amico VBU-M-15) .....	396.41	69.16
	22 63	13	70-0008	EA 2" Single Zone Valve Assembly With Gauge (Amico VBU-M-20) .....	489.98	74.64

#### 22 63 13 70-0009 Double Zone Valve Assemblies (22 63 13 70-0001)

	22 63	13	70-0010	EA 1/2" x 1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-0505) .....	388.29	74.18
	22 63	13	70-0011	EA 1/2" x 3/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-0507) .....	406.94	78.55
	22 63	13	70-0012	EA 1/2" x 1" Double Zone Valve Assembly With Gauges (Amico VBU-M-0510) .....	429.27	82.07

**22 Plumbing****22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 63 Gas Systems For Laboratory And Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 63 13 70-0013	EA		1/2" x 1-1/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-0512).....	473.75	87.62
22 63 13 70-0014	EA		1/2" x 1-1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-0515).....	529.56	91.59
22 63 13 70-0015	EA		3/4" x 3/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-0707).....	424.33	82.92
22 63 13 70-0016	EA		3/4" x 1" Double Zone Valve Assembly With Gauges (Amico VBU-M-0710).....	446.65	86.51
22 63 13 70-0017	EA		3/4" x 1-1/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-0712).....	492.39	91.98
22 63 13 70-0018	EA		3/4" x 1-1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-0715).....	524.26	95.96
22 63 13 70-0019	EA		1" x 1" Double Zone Valve Assembly With Gauges (Amico VBU-M-1010).....	463.92	90.03
22 63 13 70-0020	EA		1" x 1-1/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-1012).....	492.02	95.56
22 63 13 70-0021	EA		1" x 1-1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-1015).....	544.06	99.55
22 63 13 70-0022	EA		1-1/4" x 1-1/4" Double Zone Valve Assembly With Gauges (Amico VBU-M-1212).....	565.51	101.04
22 63 13 70-0023	EA		1-1/4" x 1-1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-1215).....	587.27	105.08
22 63 13 70-0024	EA		1-1/2" x 1-1/2" Double Zone Valve Assembly With Gauges (Amico VBU-M-1515).....	643.09	109.06

**22 63 13 70-0025 Triple Zone Valve Assemblies** (22 63 13 70-0001)

22 63 13 70-0026	EA		1/2" x 1/2" x 1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050505).....	527.76	96.54
22 63 13 70-0027	EA		1/2" x 1/2" x 3/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050507).....	546.40	100.98
22 63 13 70-0028	EA		1/2" x 1/2" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050510).....	568.72	104.50
22 63 13 70-0029	EA		1/2" x 1/2" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050512).....	614.46	110.04
22 63 13 70-0030	EA		1/2" x 1/2" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050515).....	671.54	114.02
22 63 13 70-0031	EA		1/2" x 3/4" x 3/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050707).....	566.32	105.34
22 63 13 70-0032	EA		1/2" x 3/4" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050710).....	588.62	108.86
22 63 13 70-0033	EA		1/2" x 3/4" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050712).....	633.11	114.41
22 63 13 70-0034	EA		1/2" x 3/4" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-050715).....	690.19	118.38
22 63 13 70-0035	EA		1/2" x 1" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-051010).....	610.94	112.45
22 63 13 70-0036	EA		1/2" x 1" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-051012).....	655.43	117.99
22 63 13 70-0037	EA		1/2" x 1" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-051015).....	712.49	121.97
22 63 13 70-0038	EA		3/4" x 3/4" x 3/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-070707).....	584.96	109.71
22 63 13 70-0039	EA		3/4" x 3/4" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-070710).....	607.27	113.30
22 63 13 70-0040	EA		3/4" x 3/4" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-070712).....	651.76	118.77
22 63 13 70-0041	EA		3/4" x 3/4" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-070715).....	708.83	122.75
22 63 13 70-0042	EA		3/4" x 1" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-071010).....	629.58	116.82
22 63 13 70-0043	EA		3/4" x 1" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-071012).....	674.08	122.35
22 63 13 70-0044	EA		3/4" x 1" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-071015).....	729.89	126.34
22 63 13 70-0045	EA		1" x 1" x 1" Triple Zone Valve Assembly With Gauges (Amico VBU-M-101010).....	619.14	120.40
22 63 13 70-0046	EA		1" x 1" x 1-1/4" Triple Zone Valve Assembly With Gauges (Amico VBU-M-101012).....	662.36	125.87
22 63 13 70-0047	EA		1" x 1" x 1-1/2" Triple Zone Valve Assembly With Gauges (Amico VBU-M-101015).....	753.45	129.92

**22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities** (22 60)**22 66 53 Laboratory Chemical-Waste And Vent Piping** (22 66)

22 66 53 00-0001			Polypropylene Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings <small>(22 66 53)</small>		
22 66 53 00-0002			Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fused Fittings <small>(22 66 53 00-0001)</small>		
22 66 53 00-0003			Schedule 40 Polypropylene Acid Resistant DWV Pipe <small>(22 66 53 00-0002)</small>		
22 66 53 00-0004	LF		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	11.02	3.71
			For Schedule 80, Add	2.82	
			For Fire Retardant Thermoplastic Pipe (Proxylene), Add	2.41	
			For Work In Restricted Working Space, Add	1.68	
22 66 53 00-0005	LF		2" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	13.63	4.17
			For Schedule 80, Add	3.81	
			For Fire Retardant Thermoplastic Pipe (Proxylene), Add	3.26	
			For Work In Restricted Working Space, Add	1.89	
22 66 53 00-0006	LF		3" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	22.35	6.06
			For Schedule 80, Add	6.88	
			For Fire Retardant Thermoplastic Pipe (Proxylene), Add	5.89	
			For Work In Restricted Working Space, Add	2.74	
22 66 53 00-0007	LF		4" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	30.64	7.89
			For Schedule 80, Add	9.77	
			For Fire Retardant Thermoplastic Pipe (Proxylene), Add	8.36	
			For Work In Restricted Working Space, Add	3.56	
22 66 53 00-0008	LF		6" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	51.25	11.61
			For Schedule 80, Add	17.61	
			For Fire Retardant Thermoplastic Pipe (Proxylene), Add	15.07	
			For Work In Restricted Working Space, Add	5.21	
22 66 53 00-0009			Schedule 40 Polypropylene Acid Resistant DWV Fused 1/4 Bends <small>(22 66 53 00-0002)</small>		
22 66 53 00-0010	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fused 1/4 Bend.....	42.88	14.02
			For Work In Restricted Working Space, Add	6.31	
22 66 53 00-0011	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fused 1/4 Bend.....	54.89	18.51
			For Work In Restricted Working Space, Add	8.32	
22 66 53 00-0012	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fused 1/4 Bend.....	77.89	21.19
			For Work In Restricted Working Space, Add	9.54	
22 66 53 00-0013	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fused 1/4 Bend.....	115.43	28.03
			For Work In Restricted Working Space, Add	12.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0014 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend..... <i>For Work In Restricted Working Space, Add</i>	242.41 18.62	41.39
<b>22 66 53 00-0015 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bends</b> <small>(22 66 53 00-0002)</small>		
22 66 53 00-0016 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	42.51 6.31	14.02
22 66 53 00-0017 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	53.90 8.32	18.51
22 66 53 00-0018 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	79.78 9.54	21.19
22 66 53 00-0019 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	96.47 12.62	28.03
22 66 53 00-0020 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	213.02 18.62	41.39
<b>22 66 53 00-0021 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tees</b> <small>(22 66 53 00-0002)</small>		
22 66 53 00-0022 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	72.10 13.49	29.99
22 66 53 00-0023 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	89.22 17.01	37.81
22 66 53 00-0024 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	127.16 18.62	41.39
22 66 53 00-0025 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	178.94 24.45	54.37
22 66 53 00-0026 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	324.18 39.11	86.96
<b>22 66 53 00-0027 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees</b> <small>(22 66 53 00-0002)</small>		
22 66 53 00-0028 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee ..... <i>For Work In Restricted Working Space, Add</i>	89.17 17.01	37.81
22 66 53 00-0029 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	122.61 18.62	41.39
22 66 53 00-0030 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee ..... <i>For Work In Restricted Working Space, Add</i>	118.58 18.62	41.39
22 66 53 00-0031 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	168.58 24.45	54.37
22 66 53 00-0032 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	172.49 24.45	54.37
22 66 53 00-0033 EA 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	295.34 39.11	86.96
<b>22 66 53 00-0034 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees With Plug</b> <small>(22 66 53 00-0002)</small>		
22 66 53 00-0035 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug ..... <i>For Work In Restricted Working Space, Add</i>	85.36 13.49	29.99
22 66 53 00-0036 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug ..... <i>For Work In Restricted Working Space, Add</i>	92.42 17.01	37.81
22 66 53 00-0037 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug ..... <i>For Work In Restricted Working Space, Add</i>	136.97 18.62	41.39
22 66 53 00-0038 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug ..... <i>For Work In Restricted Working Space, Add</i>	183.46 24.45	54.37
22 66 53 00-0039 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug ..... <i>For Work In Restricted Working Space, Add</i>	268.26 39.11	86.96
<b>22 66 53 00-0040 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes</b> <small>(22 66 53 00-0002)</small>		
22 66 53 00-0041 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	79.54 13.49	29.99
22 66 53 00-0042 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	96.11 17.01	37.81
22 66 53 00-0043 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	131.26 18.62	41.39
22 66 53 00-0044 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	182.34 24.45	54.37
22 66 53 00-0045 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	386.41 39.11	86.96
<b>22 66 53 00-0046 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes</b> <small>(22 66 53 00-0002)</small>		
22 66 53 00-0047 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	105.22 17.01	37.81
22 66 53 00-0048 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	126.59 18.62	41.39
22 66 53 00-0049 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	126.59 18.62	41.39



**22 Plumbing****22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0050 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	178.30 24.45	54.37
22 66 53 00-0051 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	178.30 24.45	54.37
22 66 53 00-0052 EA 6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	332.81 39.11	86.96
22 66 53 00-0053 EA 6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	335.95 39.11	86.96
22 66 53 00-0054 EA 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	296.66 39.11	86.96
<b>22 66 53 00-0055 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses (22 66 53 00-0002)</b>		
22 66 53 00-0056 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	98.76 16.86	37.48
22 66 53 00-0057 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	121.85 21.26	47.26
22 66 53 00-0058 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	179.62 23.28	51.76
22 66 53 00-0059 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	254.61 30.56	67.92
22 66 53 00-0060 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	466.78 48.89	108.67
<b>22 66 53 00-0061 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bends (22 66 53 00-0002)</b>		
22 66 53 00-0062 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	69.67 13.49	29.99
22 66 53 00-0063 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	92.81 17.01	37.81
22 66 53 00-0064 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	108.30 18.62	41.39
22 66 53 00-0065 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	153.37 24.45	54.37
22 66 53 00-0066 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	82.06 17.01	37.81
22 66 53 00-0067 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	103.98 18.62	41.39
22 66 53 00-0068 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	105.71 18.62	41.39
22 66 53 00-0069 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	146.94 24.45	54.37
22 66 53 00-0070 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	148.04 24.45	54.37
<b>22 66 53 00-0071 Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps (22 66 53 00-0002)</b>		
22 66 53 00-0072 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap..... <i>For Work In Restricted Working Space, Add</i>	83.16 15.65	34.81
22 66 53 00-0073 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap..... <i>For Work In Restricted Working Space, Add</i>	111.29 20.59	45.76
22 66 53 00-0074 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap..... <i>For Work In Restricted Working Space, Add</i>	177.05 27.94	62.13
22 66 53 00-0075 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap..... <i>For Work In Restricted Working Space, Add</i>	259.56 35.56	79.08
<b>22 66 53 00-0076 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters (22 66 53 00-0002)</b>		
22 66 53 00-0077 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter..... <i>For Work In Restricted Working Space, Add</i>	41.85 6.31	14.02
22 66 53 00-0078 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter..... <i>For Work In Restricted Working Space, Add</i>	49.45 8.32	18.51
22 66 53 00-0079 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter..... <i>For Work In Restricted Working Space, Add</i>	58.67 9.54	21.19
22 66 53 00-0080 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter..... <i>For Work In Restricted Working Space, Add</i>	80.78 12.62	28.03
22 66 53 00-0081 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter..... <i>For Work In Restricted Working Space, Add</i>	120.07 18.62	41.39
<b>22 66 53 00-0082 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters (22 66 53 00-0002)</b>		
22 66 53 00-0083 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter..... <i>For Work In Restricted Working Space, Add</i>	39.24 6.31	14.02
22 66 53 00-0084 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter..... <i>For Work In Restricted Working Space, Add</i>	51.42 8.32	18.51
22 66 53 00-0085 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter..... <i>For Work In Restricted Working Space, Add</i>	62.29 9.54	21.19
22 66 53 00-0086 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter..... <i>For Work In Restricted Working Space, Add</i>	84.33 12.62	28.03



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0087			<b>Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings</b> (22 66 53 00-0002)		
22 66 53 00-0088	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling.....	35.99	14.02
			<i>For Work In Restricted Working Space, Add</i>	6.31	
22 66 53 00-0089	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling.....	45.58	18.51
			<i>For Work In Restricted Working Space, Add</i>	8.32	
22 66 53 00-0090	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling.....	53.46	21.19
			<i>For Work In Restricted Working Space, Add</i>	9.54	
22 66 53 00-0091	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling.....	70.70	28.03
			<i>For Work In Restricted Working Space, Add</i>	12.62	
22 66 53 00-0092	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling.....	103.72	41.39
			<i>For Work In Restricted Working Space, Add</i>	18.62	
22 66 53 00-0093			<b>Glass Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings</b> (22 66 53)		
22 66 53 00-0094			<b>Glass Acid Resistant DWV Pipe</b> (22 66 53 00-0093)		
22 66 53 00-0095	LF		1-1/2" Glass Acid Resistant DWV Pipe.....	17.18	3.59
			<i>For Work In Restricted Working Space, Add</i>	2.15	
22 66 53 00-0096	LF		2" Glass Acid Resistant DWV Pipe.....	21.46	3.91
			<i>For Work In Restricted Working Space, Add</i>	2.35	
22 66 53 00-0097	LF		3" Glass Acid Resistant DWV Pipe.....	29.71	5.48
			<i>For Work In Restricted Working Space, Add</i>	3.30	
22 66 53 00-0098	LF		4" Glass Acid Resistant DWV Pipe.....	48.28	7.11
			<i>For Work In Restricted Working Space, Add</i>	4.27	
22 66 53 00-0099	LF		6" Glass Acid Resistant DWV Pipe.....	80.45	9.71
			<i>For Work In Restricted Working Space, Add</i>	5.82	
22 66 53 00-0100			<b>Glass Acid Resistant DWV 90 Or 60 Degree Sweeps</b> (22 66 53 00-0093)		
22 66 53 00-0101	EA		1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep .....	53.17	15.97
			<i>For Work In Restricted Working Space, Add</i>	9.56	
22 66 53 00-0102	EA		2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep.....	60.72	16.95
			<i>For Work In Restricted Working Space, Add</i>	10.15	
22 66 53 00-0103	EA		3" Glass Acid Resistant DWV 90 Or 60 Degree Sweep.....	82.75	19.23
			<i>For Work In Restricted Working Space, Add</i>	11.54	
22 66 53 00-0104	EA		4" Glass Acid Resistant DWV 90 Or 60 Degree Sweep.....	121.56	25.42
			<i>For Work In Restricted Working Space, Add</i>	15.26	
22 66 53 00-0105	EA		6" Glass Acid Resistant DWV 90 Or 60 Degree Sweep.....	285.92	35.20
			<i>For Work In Restricted Working Space, Add</i>	21.12	
22 66 53 00-0106			<b>Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweeps</b> (22 66 53 00-0093)		
22 66 53 00-0107	EA		1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep .....	53.32	16.03
			<i>For Work In Restricted Working Space, Add</i>	9.61	
22 66 53 00-0108	EA		2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep .....	60.46	16.75
			<i>For Work In Restricted Working Space, Add</i>	10.07	
22 66 53 00-0109	EA		3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep .....	82.62	19.17
			<i>For Work In Restricted Working Space, Add</i>	11.50	
22 66 53 00-0110	EA		4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep .....	121.56	25.42
			<i>For Work In Restricted Working Space, Add</i>	15.26	
22 66 53 00-0111	EA		6" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep .....	285.90	35.20
			<i>For Work In Restricted Working Space, Add</i>	21.12	
22 66 53 00-0112			<b>Glass Acid Resistant DWV 90 Or 60 Degree Bends</b> (22 66 53 00-0093)		
22 66 53 00-0113	EA		1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Bend.....	53.90	16.03
			<i>For Work In Restricted Working Space, Add</i>	9.61	
22 66 53 00-0114	EA		2" Glass Acid Resistant DWV 90 Or 60 Degree Bend .....	61.16	16.75
			<i>For Work In Restricted Working Space, Add</i>	10.07	
22 66 53 00-0115	EA		3" Glass Acid Resistant DWV 90 Or 60 Degree Bend .....	83.84	19.17
			<i>For Work In Restricted Working Space, Add</i>	11.50	
22 66 53 00-0116	EA		4" Glass Acid Resistant DWV 90 Or 60 Degree Bend .....	121.56	25.42
			<i>For Work In Restricted Working Space, Add</i>	15.26	
22 66 53 00-0117			<b>Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bends</b> (22 66 53 00-0093)		
22 66 53 00-0118	EA		1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend.....	53.90	16.03
			<i>For Work In Restricted Working Space, Add</i>	9.61	
22 66 53 00-0119	EA		2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend.....	61.16	16.75
			<i>For Work In Restricted Working Space, Add</i>	10.07	
22 66 53 00-0120	EA		3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend.....	83.84	19.17
			<i>For Work In Restricted Working Space, Add</i>	11.50	
22 66 53 00-0121	EA		4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend.....	121.56	25.42
			<i>For Work In Restricted Working Space, Add</i>	15.26	
22 66 53 00-0122			<b>Glass Acid Resistant DWV 90 Degree Bends With Long Leg</b> (22 66 53 00-0093)		
22 66 53 00-0123	EA		1-1/2" Glass Acid Resistant DWV 90 Degree Bend With Long Leg.....	62.21	16.03
			<i>For Work In Restricted Working Space, Add</i>	9.61	

**22 Plumbing****22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0124	EA		2" Glass Acid Resistant DWV 90 Degree Bends With Long Leg <i>For Work In Restricted Working Space, Add</i>	73.09 10.07	16.75
<b>22 66 53 00-0125</b>			<b>Glass Acid Resistant DWV Double Quarter Bends</b> (22 66 53 00-0093)		
22 66 53 00-0126	EA		1-1/2" Glass Acid Resistant DWV Double Quarter Bend <i>For Work In Restricted Working Space, Add</i>	86.08 14.41	23.99
22 66 53 00-0127	EA		2" x 1-1/2" Glass Acid Resistant DWV Double Quarter Bend <i>For Work In Restricted Working Space, Add</i>	107.29 14.90	24.84
22 66 53 00-0128	EA		2" Glass Acid Resistant DWV Double Quarter Bend <i>For Work In Restricted Working Space, Add</i>	100.29 15.11	25.16
22 66 53 00-0129	EA		3" Glass Acid Resistant DWV Double Quarter Bend <i>For Work In Restricted Working Space, Add</i>	134.91 17.25	28.75
22 66 53 00-0130	EA		4" Glass Acid Resistant DWV Double Quarter Bend <i>For Work In Restricted Working Space, Add</i>	221.00 22.88	38.14
22 66 53 00-0131	EA		6" Glass Acid Resistant DWV Double Quarter Bend <i>For Work In Restricted Working Space, Add</i>	337.95 31.69	52.80
<b>22 66 53 00-0132</b>			<b>Glass Acid Resistant DWV Sanitary Tees</b> (22 66 53 00-0093)		
22 66 53 00-0133	EA		1-1/2" Glass Acid Resistant DWV Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	82.58 14.47	24.12
22 66 53 00-0134	EA		2" Glass Acid Resistant DWV Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	84.54 15.06	25.10
22 66 53 00-0135	EA		3" Glass Acid Resistant DWV Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	108.59 17.21	28.68
22 66 53 00-0136	EA		4" Glass Acid Resistant DWV Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	168.17 22.88	38.14
22 66 53 00-0137	EA		6" Glass Acid Resistant DWV Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	351.79 31.68	52.80
<b>22 66 53 00-0138</b>			<b>Glass Acid Resistant DWV Reducing Sanitary Tees</b> (22 66 53 00-0093)		
22 66 53 00-0139	EA		2" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	83.88 14.86	24.78
22 66 53 00-0140	EA		3" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	99.39 16.23	27.05
22 66 53 00-0141	EA		3" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	105.40 16.62	27.71
22 66 53 00-0142	EA		4" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	135.65 20.15	33.57
22 66 53 00-0143	EA		4" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	141.94 20.34	33.90
22 66 53 00-0144	EA		4" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	148.96 20.93	34.88
22 66 53 00-0145	EA		6" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	260.14 26.21	43.67
22 66 53 00-0146	EA		6" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	280.14 26.79	44.65
22 66 53 00-0147	EA		6" x 4" Glass Acid Resistant DWV Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	287.64 28.75	47.92
<b>22 66 53 00-0148</b>			<b>Glass Acid Resistant DWV Double Sanitary Tees</b> (22 66 53 00-0093)		
22 66 53 00-0149	EA		1-1/2" Glass Acid Resistant DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	116.56 19.17	31.94
22 66 53 00-0150	EA		2" Glass Acid Resistant DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	119.81 20.14	33.57
22 66 53 00-0151	EA		3" Glass Acid Resistant DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	154.32 23.08	38.46
22 66 53 00-0152	EA		4" Glass Acid Resistant DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	250.03 30.50	50.85
22 66 53 00-0153	EA		6" Glass Acid Resistant DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	443.34 42.25	70.40
<b>22 66 53 00-0154</b>			<b>Glass Acid Resistant DWV Reducing Double Sanitary Tees</b> (22 66 53 00-0093)		
22 66 53 00-0155	EA		2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	118.50 19.75	32.92
22 66 53 00-0156	EA		3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	136.46 21.12	35.20
22 66 53 00-0157	EA		3" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	143.99 21.51	35.86
22 66 53 00-0158	EA		4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	208.10 24.84	41.39
22 66 53 00-0159	EA		4" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	206.32 25.42	42.37
22 66 53 00-0160	EA		4" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	221.32 26.80	44.65
22 66 53 00-0161	EA		6" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	292.44 31.28	52.15
22 66 53 00-0162	EA		6" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	317.69 32.66	54.43



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0163 EA 6" x 4" Glass Acid Resistant DWV Reducing Double Sanitary Tee ..... <i>For Work In Restricted Working Space, Add</i>	359.67 36.37	60.62
<b>22 66 53 00-0164 Glass Acid Resistant DWV Tees (22 66 53 00-0093)</b>		
22 66 53 00-0165 EA 1-1/2" Glass Acid Resistant DWV Tee..... <i>For Work In Restricted Working Space, Add</i>	90.73 14.47	24.12
22 66 53 00-0166 EA 2" Glass Acid Resistant DWV Tee..... <i>For Work In Restricted Working Space, Add</i>	92.68 15.06	25.10
22 66 53 00-0167 EA 3" Glass Acid Resistant DWV Tee..... <i>For Work In Restricted Working Space, Add</i>	118.71 17.21	28.68
22 66 53 00-0168 EA 4" Glass Acid Resistant DWV Tee..... <i>For Work In Restricted Working Space, Add</i>	184.04 22.88	38.14
22 66 53 00-0169 EA 6" Glass Acid Resistant DWV Tee..... <i>For Work In Restricted Working Space, Add</i>	370.83 31.69	52.80
<b>22 66 53 00-0170 Glass Acid Resistant DWV Reducing Tees (22 66 53 00-0093)</b>		
22 66 53 00-0171 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	92.02 14.86	24.78
22 66 53 00-0172 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	107.89 16.23	27.05
22 66 53 00-0173 EA 3" x 2" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	110.41 16.62	27.71
22 66 53 00-0174 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	137.51 20.15	33.57
22 66 53 00-0175 EA 4" x 2" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	141.06 20.34	33.90
22 66 53 00-0176 EA 4" x 3" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	168.07 20.93	34.88
22 66 53 00-0177 EA 6" x 3" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	315.05 26.79	44.65
22 66 53 00-0178 EA 6" x 4" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	328.48 28.74	47.92
<b>22 66 53 00-0179 Glass Acid Resistant DWV Test Tees With Cleanout (22 66 53 00-0093)</b>		
22 66 53 00-0180 EA 1-1/2" Glass Acid Resistant DWV Test Tee With Cleanout ..... <i>For Work In Restricted Working Space, Add</i>	104.69 14.47	24.12
22 66 53 00-0181 EA 2" Glass Acid Resistant DWV Test Tee With Cleanout..... <i>For Work In Restricted Working Space, Add</i>	116.36 15.06	25.10
22 66 53 00-0182 EA 3" Glass Acid Resistant DWV Test Tee With Cleanout..... <i>For Work In Restricted Working Space, Add</i>	148.57 17.21	28.68
22 66 53 00-0183 EA 4" Glass Acid Resistant DWV Test Tee With Cleanout..... <i>For Work In Restricted Working Space, Add</i>	252.08 22.88	38.14
22 66 53 00-0184 EA 6" Glass Acid Resistant DWV Test Tee With Cleanout..... <i>For Work In Restricted Working Space, Add</i>	370.83 31.69	52.80
<b>22 66 53 00-0185 Glass Acid Resistant DWV Wyes (22 66 53 00-0093)</b>		
22 66 53 00-0186 EA 1-1/2" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	84.32 14.47	24.12
22 66 53 00-0187 EA 2" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	86.27 15.06	25.10
22 66 53 00-0188 EA 3" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	115.57 17.21	28.68
22 66 53 00-0189 EA 4" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	175.95 22.88	38.14
22 66 53 00-0190 EA 6" Glass Acid Resistant DWV Wye..... <i>For Work In Restricted Working Space, Add</i>	346.45 31.69	52.80
<b>22 66 53 00-0191 Glass Acid Resistant DWV Reducing Wyes (22 66 53 00-0093)</b>		
22 66 53 00-0192 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	85.61 14.86	24.78
22 66 53 00-0193 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	103.00 16.23	27.05
22 66 53 00-0194 EA 3" x 2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	105.81 16.62	27.71
22 66 53 00-0195 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	142.63 20.15	33.57
22 66 53 00-0196 EA 4" x 2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	143.97 20.34	33.90
22 66 53 00-0197 EA 4" x 3" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	155.85 20.93	34.88
22 66 53 00-0198 EA 6" x 2" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	252.56 26.20	43.67
22 66 53 00-0199 EA 6" x 3" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	290.84 26.79	44.65
22 66 53 00-0200 EA 6" x 4" Glass Acid Resistant DWV Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	315.91 28.74	47.92

**22 Plumbing****22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0201			<b>Glass Acid Resistant DWV Double Wyes</b> (22 66 53 00-0093)		
22 66 53 00-0202	EA		1-1/2" Glass Acid Resistant DWV Double Wye.....	134.14	31.94
			<i>For Work In Restricted Working Space, Add</i>	19.17	
22 66 53 00-0203	EA		2" Glass Acid Resistant DWV Double Wye.....	137.40	33.57
			<i>For Work In Restricted Working Space, Add</i>	20.15	
22 66 53 00-0204	EA		3" Glass Acid Resistant DWV Double Wye.....	181.61	38.46
			<i>For Work In Restricted Working Space, Add</i>	23.07	
22 66 53 00-0205	EA		4" Glass Acid Resistant DWV Double Wye.....	277.89	50.85
			<i>For Work In Restricted Working Space, Add</i>	30.50	
22 66 53 00-0206	EA		6" Glass Acid Resistant DWV Double Wye.....	458.42	70.40
			<i>For Work In Restricted Working Space, Add</i>	42.26	
22 66 53 00-0207			<b>Glass Acid Resistant DWV Reducing Double Wyes</b> (22 66 53 00-0093)		
22 66 53 00-0208	EA		2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye.....	136.07	32.92
			<i>For Work In Restricted Working Space, Add</i>	19.75	
22 66 53 00-0209	EA		3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye.....	140.64	35.20
			<i>For Work In Restricted Working Space, Add</i>	21.12	
22 66 53 00-0210	EA		3" x 2" Glass Acid Resistant DWV Reducing Double Wye.....	161.03	35.86
			<i>For Work In Restricted Working Space, Add</i>	21.51	
22 66 53 00-0211	EA		4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye.....	197.17	41.39
			<i>For Work In Restricted Working Space, Add</i>	24.84	
22 66 53 00-0212	EA		4" x 2" Glass Acid Resistant DWV Reducing Double Wye.....	207.72	42.37
			<i>For Work In Restricted Working Space, Add</i>	25.43	
22 66 53 00-0213	EA		4" x 3" Glass Acid Resistant DWV Reducing Double Wye.....	242.65	44.65
			<i>For Work In Restricted Working Space, Add</i>	26.79	
22 66 53 00-0214	EA		6" x 2" Glass Acid Resistant DWV Reducing Double Wye.....	369.90	52.15
			<i>For Work In Restricted Working Space, Add</i>	31.28	
22 66 53 00-0215	EA		6" x 3" Glass Acid Resistant DWV Reducing Double Wye.....	388.16	54.43
			<i>For Work In Restricted Working Space, Add</i>	32.66	
22 66 53 00-0216	EA		6" x 4" Glass Acid Resistant DWV Reducing Double Wye.....	415.75	60.62
			<i>For Work In Restricted Working Space, Add</i>	36.38	
22 66 53 00-0217			<b>Glass Acid Resistant DWV Combination Wye And 1/8 Bends</b> (22 66 53 00-0093)		
22 66 53 00-0218	EA		1-1/2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend.....	93.54	24.12
			<i>For Work In Restricted Working Space, Add</i>	14.47	
22 66 53 00-0219	EA		2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend.....	95.88	25.10
			<i>For Work In Restricted Working Space, Add</i>	15.06	
22 66 53 00-0220	EA		3" Glass Acid Resistant DWV Combination Wye And 1/8 Bend.....	121.27	28.68
			<i>For Work In Restricted Working Space, Add</i>	17.21	
22 66 53 00-0221	EA		4" Glass Acid Resistant DWV Combination Wye And 1/8 Bend.....	178.92	38.14
			<i>For Work In Restricted Working Space, Add</i>	22.88	
22 66 53 00-0222	EA		6" Glass Acid Resistant DWV Combination Wye And 1/8 Bend.....	338.12	52.80
			<i>For Work In Restricted Working Space, Add</i>	31.69	
22 66 53 00-0223			<b>Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bends</b> (22 66 53 00-0093)		
22 66 53 00-0224	EA		2" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	95.22	24.78
			<i>For Work In Restricted Working Space, Add</i>	14.86	
22 66 53 00-0225	EA		3" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	104.45	27.05
			<i>For Work In Restricted Working Space, Add</i>	16.23	
22 66 53 00-0226	EA		3" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	111.63	27.71
			<i>For Work In Restricted Working Space, Add</i>	16.62	
22 66 53 00-0227	EA		4" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	139.14	33.57
			<i>For Work In Restricted Working Space, Add</i>	20.15	
22 66 53 00-0228	EA		4" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	144.73	33.90
			<i>For Work In Restricted Working Space, Add</i>	20.34	
22 66 53 00-0229	EA		4" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	156.72	34.88
			<i>For Work In Restricted Working Space, Add</i>	20.93	
22 66 53 00-0230	EA		6" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	253.08	43.67
			<i>For Work In Restricted Working Space, Add</i>	26.20	
22 66 53 00-0231	EA		6" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	285.78	44.65
			<i>For Work In Restricted Working Space, Add</i>	26.79	
22 66 53 00-0232	EA		6" x 4" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	292.63	47.92
			<i>For Work In Restricted Working Space, Add</i>	28.74	
22 66 53 00-0233			<b>Glass Acid Resistant DWV Double Combination Wye And 1/8 Bends</b> (22 66 53 00-0093)		
22 66 53 00-0234	EA		1-1/2" Double Glass Combination Wye And 1/8 Bend.....	125.41	31.94
			<i>For Work In Restricted Working Space, Add</i>	19.17	
22 66 53 00-0235	EA		2" Double Glass Combination Wye And 1/8 Bend.....	144.73	33.57
			<i>For Work In Restricted Working Space, Add</i>	20.15	
22 66 53 00-0236	EA		3" Double Glass Combination Wye And 1/8 Bend.....	192.67	38.46
			<i>For Work In Restricted Working Space, Add</i>	23.07	
22 66 53 00-0237	EA		4" Double Glass Combination Wye And 1/8 Bend.....	303.61	50.85
			<i>For Work In Restricted Working Space, Add</i>	30.50	
22 66 53 00-0238	EA		6" Double Glass Combination Wye And 1/8 Bend.....	499.47	70.40
			<i>For Work In Restricted Working Space, Add</i>	42.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 66 53 00-0239 Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends</b> <small>(22 66 53 00-0093)</small>		
22 66 53 00-0240 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	128.67	32.92
<i>For Work In Restricted Working Space, Add</i>	19.75	
22 66 53 00-0241 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	161.24	35.20
<i>For Work In Restricted Working Space, Add</i>	21.12	
22 66 53 00-0242 EA 3" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	159.16	35.86
<i>For Work In Restricted Working Space, Add</i>	21.51	
22 66 53 00-0243 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	211.49	41.39
<i>For Work In Restricted Working Space, Add</i>	24.84	
22 66 53 00-0244 EA 4" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	209.99	42.37
<i>For Work In Restricted Working Space, Add</i>	25.43	
22 66 53 00-0245 EA 4" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	234.56	44.65
<i>For Work In Restricted Working Space, Add</i>	26.79	
22 66 53 00-0246 EA 6" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	332.40	52.15
<i>For Work In Restricted Working Space, Add</i>	31.28	
22 66 53 00-0247 EA 6" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	353.82	54.43
<i>For Work In Restricted Working Space, Add</i>	32.66	
22 66 53 00-0248 EA 6" x 4" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	411.67	60.62
<i>For Work In Restricted Working Space, Add</i>	36.38	
<b>22 66 53 00-0249 Glass Acid Resistant DWV Partition Crosses (Compact)</b> <small>(22 66 53 00-0093)</small>		
22 66 53 00-0250 EA 2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact).....	140.31	32.92
<i>For Work In Restricted Working Space, Add</i>	19.75	
22 66 53 00-0251 EA 2" Glass Acid Resistant DWV Partition Cross (Compact).....	141.64	33.57
<i>For Work In Restricted Working Space, Add</i>	20.15	
22 66 53 00-0252 EA 2" x 1-1/2" x 1-1/2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact).....	150.51	32.59
<i>For Work In Restricted Working Space, Add</i>	19.56	
<b>22 66 53 00-0253 Glass Acid Resistant DWV Upright Y Or H (Vent Branch)</b> <small>(22 66 53 00-0093)</small>		
22 66 53 00-0254 EA 1-1/2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch).....	135.19	24.12
<i>For Work In Restricted Working Space, Add</i>	14.47	
22 66 53 00-0255 EA 2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch).....	148.49	25.10
<i>For Work In Restricted Working Space, Add</i>	15.06	
22 66 53 00-0256 EA 3" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch).....	170.80	28.68
<i>For Work In Restricted Working Space, Add</i>	17.21	
22 66 53 00-0257 EA 4" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch).....	249.34	38.14
<i>For Work In Restricted Working Space, Add</i>	22.88	
22 66 53 00-0258 EA 6" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch).....	462.20	52.80
<i>For Work In Restricted Working Space, Add</i>	31.69	
<b>22 66 53 00-0259 Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)</b> <small>(22 66 53 00-0093)</small>		
22 66 53 00-0260 EA 2" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch).....	136.13	24.78
<i>For Work In Restricted Working Space, Add</i>	14.86	
22 66 53 00-0261 EA 3" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch).....	155.03	27.05
<i>For Work In Restricted Working Space, Add</i>	16.23	
22 66 53 00-0262 EA 3" x 2" Reducing Glass Upright Y Or H (Vent Branch).....	164.77	27.71
<i>For Work In Restricted Working Space, Add</i>	16.62	
22 66 53 00-0263 EA 4" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch).....	191.52	33.57
<i>For Work In Restricted Working Space, Add</i>	20.15	
22 66 53 00-0264 EA 4" x 2" Reducing Glass Upright Y Or H (Vent Branch).....	202.23	33.90
<i>For Work In Restricted Working Space, Add</i>	20.34	
22 66 53 00-0265 EA 4" x 3" Reducing Glass Upright Y Or H (Vent Branch).....	221.44	34.88
<i>For Work In Restricted Working Space, Add</i>	20.93	
22 66 53 00-0266 EA 6" x 3" Reducing Glass Upright Y Or H (Vent Branch).....	317.44	44.65
<i>For Work In Restricted Working Space, Add</i>	26.79	
22 66 53 00-0267 EA 6" x 4" Reducing Glass Upright Y Or H (Vent Branch).....	360.72	47.92
<i>For Work In Restricted Working Space, Add</i>	28.74	
<b>22 66 53 00-0268 Glass Acid Resistant DWV Reducers Or Increaseers</b> <small>(22 66 53 00-0093)</small>		
22 66 53 00-0269 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaseer.....	51.21	16.30
<i>For Eccentric Reducers Or Increaseers, Add</i>	1.49	
<i>For Work In Restricted Working Space, Add</i>	9.78	
22 66 53 00-0270 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaseer.....	62.84	17.60
<i>For Eccentric Reducers Or Increaseers, Add</i>	2.21	
<i>For Work In Restricted Working Space, Add</i>	10.56	
22 66 53 00-0271 EA 3" x 2" Glass Acid Resistant DWV Reducer Or Increaseer.....	66.82	17.93
<i>For Eccentric Reducers Or Increaseers, Add</i>	2.48	
<i>For Work In Restricted Working Space, Add</i>	10.76	
22 66 53 00-0272 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaseer.....	84.96	20.86
<i>For Eccentric Reducers Or Increaseers, Add</i>	3.46	
<i>For Work In Restricted Working Space, Add</i>	12.52	
22 66 53 00-0273 EA 4" x 2" Glass Acid Resistant DWV Reducer Or Increaseer.....	88.29	21.19
<i>For Eccentric Reducers Or Increaseers, Add</i>	3.67	
<i>For Work In Restricted Working Space, Add</i>	12.71	
22 66 53 00-0274 EA 4" x 3" Glass Acid Resistant DWV Reducer Or Increaseer.....	93.97	22.16
<i>For Eccentric Reducers Or Increaseers, Add</i>	3.97	
<i>For Work In Restricted Working Space, Add</i>	13.30	

**22 Plumbing****22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0275	EA		6" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser.....	177.21	25.75
			<i>For Eccentric Reducers Or Increasers, Add</i>	10.06	
			<i>For Work In Restricted Working Space, Add</i>	15.45	
22 66 53 00-0276	EA		6" x 2" Glass Acid Resistant DWV Reducer Or Increaser.....	185.83	26.08
			<i>For Eccentric Reducers Or Increasers, Add</i>	10.69	
			<i>For Work In Restricted Working Space, Add</i>	15.65	
22 66 53 00-0277	EA		6" x 3" Glass Acid Resistant DWV Reducer Or Increaser.....	196.93	27.05
			<i>For Eccentric Reducers Or Increasers, Add</i>	11.43	
			<i>For Work In Restricted Working Space, Add</i>	16.23	
22 66 53 00-0278	EA		6" x 4" Glass Acid Resistant DWV Reducer Or Increaser.....	207.57	30.31
			<i>For Eccentric Reducers Or Increasers, Add</i>	11.76	
			<i>For Work In Restricted Working Space, Add</i>	18.19	
<b>22 66 53 00-0279</b>			<b>Glass Acid Resistant DWV Swivel P-Traps (22 66 53 00-0093)</b>		
22 66 53 00-0280	EA		1-1/2" Glass Acid Resistant DWV Swivel P-Trap.....	113.77	24.12
			<i>For Work In Restricted Working Space, Add</i>	14.47	
22 66 53 00-0281	EA		2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap.....	121.30	24.78
			<i>For Work In Restricted Working Space, Add</i>	14.86	
22 66 53 00-0282	EA		2" Glass Acid Resistant DWV Swivel P-Trap.....	135.05	25.10
			<i>For Work In Restricted Working Space, Add</i>	15.06	
22 66 53 00-0283	EA		1-1/2" Glass Acid Resistant DWV Swivel P-Trap.....	122.27	24.12
			<i>For Work In Restricted Working Space, Add</i>	14.47	
22 66 53 00-0284	EA		2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap.....	132.12	24.78
			<i>For Work In Restricted Working Space, Add</i>	14.86	
22 66 53 00-0285	EA		2" Glass Acid Resistant DWV Swivel P-Trap.....	147.28	25.10
			<i>For Work In Restricted Working Space, Add</i>	15.06	
22 66 53 00-0286	EA		1-1/2" Glass Acid Resistant DWV Swivel P-Trap.....	124.60	24.12
			<i>For Work In Restricted Working Space, Add</i>	14.47	
22 66 53 00-0287	EA		2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap.....	132.12	24.78
			<i>For Work In Restricted Working Space, Add</i>	14.86	
22 66 53 00-0288	EA		2" Glass Acid Resistant DWV Swivel P-Trap.....	147.28	25.10
			<i>For Work In Restricted Working Space, Add</i>	15.06	
<b>22 66 53 00-0289</b>			<b>Glass Acid Resistant DWV Drum P-Traps (22 66 53 00-0093)</b>		
22 66 53 00-0290	EA		1-1/2" Glass Acid Resistant DWV Drum P-Trap.....	151.02	24.12
			<i>For Work In Restricted Working Space, Add</i>	14.47	
22 66 53 00-0291	EA		2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap.....	187.47	24.78
			<i>For Work In Restricted Working Space, Add</i>	14.86	
22 66 53 00-0292	EA		2" Glass Acid Resistant DWV Drum P-Trap.....	192.79	25.10
			<i>For Work In Restricted Working Space, Add</i>	15.06	
22 66 53 00-0293	EA		1-1/2" Glass Acid Resistant DWV Drum P-Trap.....	165.16	24.12
			<i>For Work In Restricted Working Space, Add</i>	14.47	
22 66 53 00-0294	EA		2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap.....	174.73	24.78
			<i>For Work In Restricted Working Space, Add</i>	14.86	
22 66 53 00-0295	EA		2" Glass Acid Resistant DWV Drum P-Trap.....	195.52	25.10
			<i>For Work In Restricted Working Space, Add</i>	15.06	
<b>22 66 53 00-0296</b>			<b>Glass Acid Resistant DWV Cleanout Plugs (22 66 53 00-0093)</b>		
22 66 53 00-0297	EA		1-1/2" Glass Acid Resistant DWV Cleanout Plug.....	24.97	8.15
			<i>For Work In Restricted Working Space, Add</i>	4.89	
22 66 53 00-0298	EA		2" Glass Acid Resistant DWV Cleanout Plug.....	27.89	8.47
			<i>For Work In Restricted Working Space, Add</i>	5.09	
22 66 53 00-0299	EA		3" Glass Acid Resistant DWV Cleanout Plug.....	34.57	9.45
			<i>For Work In Restricted Working Space, Add</i>	5.67	
22 66 53 00-0300	EA		4" Glass Acid Resistant DWV Cleanout Plug.....	53.59	12.72
			<i>For Work In Restricted Working Space, Add</i>	7.63	
22 66 53 00-0301	EA		6" Glass Acid Resistant DWV Cleanout Plug.....	76.35	17.60
			<i>For Work In Restricted Working Space, Add</i>	10.56	
<b>22 66 53 00-0302</b>			<b>Glass Acid Resistant DWV Sink Fittings (22 66 53 00-0093)</b>		
22 66 53 00-0303	EA		1-1/2" Glass Acid Resistant DWV Interceptor Trap.....	312.46	31.94
			<i>For Work In Restricted Working Space, Add</i>	19.17	
22 66 53 00-0304	EA		1-1/2" x 6-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly.....	32.42	8.15
			<i>For Work In Restricted Working Space, Add</i>	4.89	
22 66 53 00-0305	EA		1-1/2" x 10-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly.....	35.51	8.15
			<i>For Work In Restricted Working Space, Add</i>	4.89	
22 66 53 00-0306	EA		1-1/2" Split Coupling (Threaded To Beaded Pipe) For Glass Acid Resistant DWV Pipe And Fittings.....	51.68	16.30
			<i>For Work In Restricted Working Space, Add</i>	9.78	
22 66 53 00-0307	EA		3" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings.....	97.63	16.95
			<i>For Work In Restricted Working Space, Add</i>	10.17	
22 66 53 00-0308	EA		6" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings.....	98.79	16.95
			<i>For Work In Restricted Working Space, Add</i>	10.17	
22 66 53 00-0309	EA		3" x 9" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings.....	110.43	16.95
			<i>For Work In Restricted Working Space, Add</i>	10.17	
22 66 53 00-0310	EA		3" x 6" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings.....	91.34	16.95
			<i>For Work In Restricted Working Space, Add</i>	10.17	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0311				<b>Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapters</b> <small>(22 66 53 00-0093)</small> Note: Includes teflon spacer.		
22 66 53 00-0312	EA			1-1/2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter.....	91.28	24.06
				<i>For Work In Restricted Working Space, Add</i> .....	14.43	
22 66 53 00-0313	EA			2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter.....	95.33	25.23
				<i>For Work In Restricted Working Space, Add</i> .....	15.14	
22 66 53 00-0314	EA			3" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter.....	129.09	28.75
				<i>For Work In Restricted Working Space, Add</i> .....	17.25	
22 66 53 00-0315	EA			4" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter.....	182.89	38.20
				<i>For Work In Restricted Working Space, Add</i> .....	22.90	
22 66 53 00-0316				<b>Bead To Bead Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings</b> <small>(22 66 53 00-0093)</small> Note: Includes segmented stainless steel outer band, Buna-N rubber compression liner with TFE seal ring, stainless steel bolt and silver plated stainless hex nut.		
22 66 53 00-0317	EA			1-1/2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	14.61	
22 66 53 00-0318	EA			2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	18.43	
22 66 53 00-0319	EA			3" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	24.64	
22 66 53 00-0320	EA			4" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	41.52	
22 66 53 00-0321	EA			6" Bead To Bead, Stainless Steel, TFE Seal Ring Couplings, Glass Piping.....	96.71	
22 66 53 00-0322				<b>Bead To Plain End Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings</b> <small>(22 66 53 00-0093)</small> Note: Includes stainless steel band with bolt, Buna-N rubber compression liner with TFE seal ring and silver plated stainless hex nut.		
22 66 53 00-0323	EA			1-1/2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	18.84	
22 66 53 00-0324	EA			2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	23.57	
22 66 53 00-0325	EA			3" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	40.02	
22 66 53 00-0326	EA			4" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	59.65	
22 66 53 00-0327	EA			6" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	145.45	
22 66 53 00-0328				<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings</b> <small>(22 66 53)</small> Note: Acid resistant. ASTM A518.		
22 66 53 00-0329				<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe</b> <small>(22 66 53 00-0328)</small>		
22 66 53 00-0330	LF			2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	83.46	5.80
22 66 53 00-0331	LF			3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	117.92	7.24
22 66 53 00-0332	LF			4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	161.21	8.34
22 66 53 00-0333	LF			6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	264.56	10.98
22 66 53 00-0334	LF			8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	469.94	14.82
22 66 53 00-0335	LF			10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	835.86	18.68
22 66 53 00-0336	LF			12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	1,495.58	25.16
22 66 53 00-0337	LF			15" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	2,673.91	28.86
22 66 53 00-0338				<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings</b> <small>(22 66 53 00-0328)</small>		
22 66 53 00-0339				<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps</b> <small>(22 66 53 00-0338)</small>		
22 66 53 00-0340	EA			2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	320.15	49.41
22 66 53 00-0341	EA			3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	423.74	54.37
22 66 53 00-0342	EA			4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	700.06	65.06
22 66 53 00-0343	EA			6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	1,044.99	72.54
22 66 53 00-0344	EA			8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	2,433.63	119.04
22 66 53 00-0345				<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends</b> <small>(22 66 53 00-0338)</small>		
22 66 53 00-0346	EA			2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	175.90	49.41
22 66 53 00-0347	EA			3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	234.23	54.37
22 66 53 00-0348	EA			4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	295.58	65.06
22 66 53 00-0349	EA			6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	821.54	72.54
22 66 53 00-0350	EA			8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	1,895.36	119.04
22 66 53 00-0351	EA			10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	2,899.12	148.31
22 66 53 00-0352	EA			12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	4,282.51	178.35
22 66 53 00-0353				<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends</b> <small>(22 66 53 00-0338)</small>		
22 66 53 00-0354	EA			2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	175.90	49.41
22 66 53 00-0355	EA			3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	234.23	54.37
22 66 53 00-0356	EA			4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	295.58	65.06
22 66 53 00-0357	EA			6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	589.60	72.54
22 66 53 00-0358	EA			8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	1,595.55	119.04
22 66 53 00-0359	EA			10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	2,347.99	148.31
22 66 53 00-0360	EA			12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	3,349.53	178.35



**22 Plumbing****22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 66 53 00-0361</b> Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends <sup>(22 66 53 00-0338)</sup>		
22 66 53 00-0362 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	175.90	49.41
22 66 53 00-0363 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	234.23	54.37
22 66 53 00-0364 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	295.42	64.99
<b>22 66 53 00-0365</b> Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps <sup>(22 66 53 00-0338)</sup>		
22 66 53 00-0366 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	249.44	49.41
22 66 53 00-0367 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	457.68	54.37
22 66 53 00-0368 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	510.55	65.06
<b>22 66 53 00-0369</b> Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees <sup>(22 66 53 00-0338)</sup>		
22 66 53 00-0370 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	246.63	73.92
22 66 53 00-0371 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	315.20	81.94
22 66 53 00-0372 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	446.54	97.85
22 66 53 00-0373 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	757.42	109.02
22 66 53 00-0374 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	2,420.42	178.70
22 66 53 00-0375 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	3,455.69	223.14
<b>22 66 53 00-0376</b> Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees <sup>(22 66 53 00-0338)</sup>		
22 66 53 00-0377 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	230.71	70.86
22 66 53 00-0378 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	272.48	76.07
22 66 53 00-0379 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	307.57	78.74
22 66 53 00-0380 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	353.83	86.96
22 66 53 00-0381 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	380.62	89.70
22 66 53 00-0382 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	421.29	92.38
22 66 53 00-0383 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	523.75	94.33
22 66 53 00-0384 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	586.33	96.75
22 66 53 00-0385 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	660.88	101.21
<b>22 66 53 00-0386</b> Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees <sup>(22 66 53 00-0338)</sup>		
22 66 53 00-0387 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	286.20	73.92
22 66 53 00-0388 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	348.82	81.75
22 66 53 00-0389 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	483.28	97.85
<b>22 66 53 00-0390</b> Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees <sup>(22 66 53 00-0338)</sup>		
22 66 53 00-0391 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	270.29	70.86
22 66 53 00-0392 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	342.06	79.14
22 66 53 00-0393 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	414.93	89.96
22 66 53 00-0394 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	447.16	92.63
<b>22 66 53 00-0395</b> Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes <sup>(22 66 53 00-0338)</sup>		
22 66 53 00-0396 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	243.94	74.05
22 66 53 00-0397 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	346.31	81.94
22 66 53 00-0398 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	446.42	97.78
22 66 53 00-0399 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	762.45	108.60
22 66 53 00-0400 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	3,059.38	178.53
<b>22 66 53 00-0401</b> Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes <sup>(22 66 53 00-0338)</sup>		
22 66 53 00-0402 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	253.32	70.86
22 66 53 00-0403 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	272.45	76.07
22 66 53 00-0404 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	288.45	79.21
22 66 53 00-0405 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	322.72	86.96
22 66 53 00-0406 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	335.51	89.82
22 66 53 00-0407 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	410.39	92.63
22 66 53 00-0408 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	554.57	94.45
22 66 53 00-0409 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	668.35	96.75
22 66 53 00-0410 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	697.65	101.21
22 66 53 00-0411 EA 8" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	1,774.45	144.03
22 66 53 00-0412 EA 8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	1,920.18	148.79
22 66 53 00-0413 EA 8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	2,364.30	156.40
<b>22 66 53 00-0414</b> Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends <sup>(22 66 53 00-0338)</sup>		
22 66 53 00-0415 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	297.47	73.92
22 66 53 00-0416 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	357.30	81.75



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0417 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend .....	539.85	97.85
22 66 53 00-0418 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend .....	836.20	108.72
<b>22 66 53 00-0419 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends <small>(22 66 53 00-0338)</small></b>		
22 66 53 00-0420 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	242.01	70.86
22 66 53 00-0421 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	283.76	76.07
22 66 53 00-0422 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	316.60	79.14
22 66 53 00-0423 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	342.52	86.96
22 66 53 00-0424 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	400.79	89.96
22 66 53 00-0425 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	458.44	92.57
22 66 53 00-0426 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	591.30	94.45
22 66 53 00-0427 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	750.42	96.81
22 66 53 00-0428 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	825.17	101.38
<b>22 66 53 00-0429 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers <small>(22 66 53 00-0338)</small></b>		
22 66 53 00-0430 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer .....	148.97	46.55
22 66 53 00-0431 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer .....	164.17	49.15
22 66 53 00-0432 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	185.06	51.76
22 66 53 00-0433 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	309.49	57.37
22 66 53 00-0434 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	324.73	60.04
22 66 53 00-0435 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	345.32	60.52
22 66 53 00-0436 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	456.90	65.15
22 66 53 00-0437 EA 8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	668.42	89.30
22 66 53 00-0438 EA 8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	710.88	96.85
<b>22 66 53 00-0439 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increases <small>(22 66 53 00-0338)</small></b>		
22 66 53 00-0440 EA 2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser .....	406.22	108.67
22 66 53 00-0441 EA 2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser .....	553.30	108.67
22 66 53 00-0442 EA 3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser .....	566.50	108.67
22 66 53 00-0443 EA 4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser .....	612.44	134.97
<b>22 66 53 00-0444 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps <small>(22 66 53 00-0338)</small></b>		
22 66 53 00-0445 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap .....	487.03	49.41
22 66 53 00-0446 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap .....	590.62	54.37
22 66 53 00-0447 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap .....	719.86	65.06
22 66 53 00-0448 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap .....	2,170.73	72.54
<b>22 66 53 00-0449 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs <small>(22 66 53 00-0338)</small></b>		
22 66 53 00-0450 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub .....	229.64	49.41
22 66 53 00-0451 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub .....	293.63	54.37
22 66 53 00-0452 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub .....	408.72	65.06
22 66 53 00-0453 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub .....	521.25	72.54
22 66 53 00-0454 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub .....	1,039.92	101.21
<b>22 66 53 00-0455 Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings <small>(22 66 53 00-0328)</small></b>		
Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings.		
22 66 53 00-0456 LB Lead (1 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings.....	4.97	
22 66 53 00-0457 LB Seal-Tite Packing (1/8 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings .....	51.86	
<b>22 66 53 00-0458 Mechanical Joint High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings <small>(22 66 53)</small></b>		
Note: ASTM A518.		
<b>22 66 53 00-0459 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe <small>(22 66 53 00-0458)</small></b>		
22 66 53 00-0460 LF 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	66.33	4.37
22 66 53 00-0461 LF 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	75.55	4.82
22 66 53 00-0462 LF 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	104.50	6.06
22 66 53 00-0463 LF 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	132.15	7.04
<b>22 66 53 00-0464 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings <small>(22 66 53 00-0458)</small></b>		
<b>22 66 53 00-0465 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps <small>(22 66 53 00-0464)</small></b>		
22 66 53 00-0466 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep .....	235.77	34.62
22 66 53 00-0467 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep .....	253.84	39.11

**22 Plumbing****22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0468 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep .....	353.18	43.16
22 66 53 00-0469 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep .....	426.13	52.15
<b>22 66 53 00-0470 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0471 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	125.46	34.62
22 66 53 00-0472 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	151.40	38.72
22 66 53 00-0473 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	197.84	43.29
22 66 53 00-0474 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	261.49	51.76
22 66 53 00-0475 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	148.17	36.57
<b>22 66 53 00-0476 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0477 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	125.46	34.62
22 66 53 00-0478 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	151.40	38.72
22 66 53 00-0479 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	197.84	43.29
22 66 53 00-0480 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	261.49	51.76
<b>22 66 53 00-0481 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0482 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	150.92	34.62
22 66 53 00-0483 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	191.00	38.72
22 66 53 00-0484 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	302.49	43.29
22 66 53 00-0485 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	337.86	51.76
<b>22 66 53 00-0486 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0487 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	145.26	34.62
22 66 53 00-0488 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	174.03	38.72
22 66 53 00-0489 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	277.04	43.29
22 66 53 00-0490 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	312.40	51.76
<b>22 66 53 00-0491 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bends</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0492 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend.....	219.51	52.08
<b>22 66 53 00-0493 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tees</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0494 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee .....	174.26	52.08
22 66 53 00-0495 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee .....	218.07	58.67
22 66 53 00-0496 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee .....	293.19	65.38
22 66 53 00-0497 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee .....	453.92	78.29
<b>22 66 53 00-0498 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tees</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0499 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	203.45	56.45
22 66 53 00-0500 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	252.47	60.88
22 66 53 00-0501 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Sanitary Reducing Tee.....	269.84	63.03
22 66 53 00-0502 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	288.09	69.56
22 66 53 00-0503 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	319.38	71.51
22 66 53 00-0504 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	348.08	73.66
<b>22 66 53 00-0505 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0506 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	174.52	52.28
22 66 53 00-0507 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	206.76	58.67
22 66 53 00-0508 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	281.87	65.38
22 66 53 00-0509 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	453.92	78.29
<b>22 66 53 00-0510 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0511 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	195.40	56.78
22 66 53 00-0512 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	243.98	60.82
22 66 53 00-0513 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	255.99	63.23
22 66 53 00-0514 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	288.42	69.75
22 66 53 00-0515 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	319.96	71.91
22 66 53 00-0516 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	339.87	73.86
<b>22 66 53 00-0517 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0518 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye .....	265.61	69.62
22 66 53 00-0519 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye.....	343.71	78.36



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0520 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye .....	446.75	86.70
22 66 53 00-0521 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye .....	586.22	104.23
22 66 53 00-0522 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye .....	294.42	73.73
22 66 53 00-0523 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye .....	332.05	78.10
22 66 53 00-0524 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye .....	400.77	82.39
22 66 53 00-0525 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye .....	442.26	91.27
22 66 53 00-0526 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye .....	539.71	95.89
 <b>22 66 53 00-0527 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Crosses</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0528 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross .....	299.51	69.62
22 66 53 00-0529 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross .....	354.87	78.23
22 66 53 00-0530 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross .....	521.03	87.15
22 66 53 00-0531 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross .....	736.29	104.37
22 66 53 00-0532 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross .....	322.68	73.73
22 66 53 00-0533 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross .....	431.01	78.10
22 66 53 00-0534 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross .....	454.46	82.39
22 66 53 00-0535 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross .....	484.65	91.20
22 66 53 00-0536 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross .....	626.89	95.50
 <b>22 66 53 00-0537 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0538 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	196.64	51.89
22 66 53 00-0539 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	229.38	58.67
22 66 53 00-0540 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	281.87	65.38
22 66 53 00-0541 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	485.03	78.29
 <b>22 66 53 00-0542 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0543 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	217.64	56.52
22 66 53 00-0544 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	244.23	61.02
22 66 53 00-0545 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	267.31	63.23
22 66 53 00-0546 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	370.45	69.75
22 66 53 00-0547 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	379.36	71.91
22 66 53 00-0548 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	427.55	73.86
 <b>22 66 53 00-0549 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bends</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0550 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	319.16	69.49
22 66 53 00-0551 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	405.73	78.16
22 66 53 00-0552 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	596.93	86.90
22 66 53 00-0553 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	716.82	104.56
 <b>22 66 53 00-0554 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0555 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	348.13	73.73
22 66 53 00-0556 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	422.51	78.03
22 66 53 00-0557 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	440.32	82.39
22 66 53 00-0558 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	490.31	91.20
22 66 53 00-0559 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	626.89	95.50
 <b>22 66 53 00-0560 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers-Increasers</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0561 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser .....	148.72	36.97
22 66 53 00-0562 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser .....	168.95	39.11
22 66 53 00-0563 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser .....	198.53	45.63
22 66 53 00-0564 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser .....	240.36	43.35
22 66 53 00-0565 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser .....	254.93	45.50
22 66 53 00-0566 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser .....	269.48	47.66
 <b>22 66 53 00-0567 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tees</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0568 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee.....	138.97	30.44
22 66 53 00-0569 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee.....	161.92	34.42

**22 Plumbing****22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0570 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee .....	191.34	38.98
22 66 53 00-0571 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee .....	359.68	47.45
<b>22 66 53 00-0572 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs (22 66 53 00-0464)</b>		
22 66 53 00-0573 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	59.90	17.34
22 66 53 00-0574 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	71.46	19.36
22 66 53 00-0575 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	77.71	21.64
22 66 53 00-0576 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	101.05	25.88
<b>22 66 53 00-0577 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps (22 66 53 00-0464)</b>		
22 66 53 00-0578 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	263.75	34.42
22 66 53 00-0579 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	270.20	38.72
22 66 53 00-0580 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	336.44	43.29
22 66 53 00-0581 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	431.20	51.76
22 66 53 00-0582 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	372.26	37.03
22 66 53 00-0583 EA 2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	517.38	41.33
22 66 53 00-0584 EA 3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	628.43	45.63
22 66 53 00-0585 EA 4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	782.95	54.37
<b>22 66 53 00-0586 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps (22 66 53 00-0464)</b>		
22 66 53 00-0587 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap.....	502.98	39.31
22 66 53 00-0588 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap.....	803.43	43.48
22 66 53 00-0589 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap.....	525.37	39.11
22 66 53 00-0590 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap.....	803.43	43.48
<b>22 66 53 00-0591 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps (22 66 53 00-0464)</b>		
22 66 53 00-0592 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap.....	465.97	39.11
22 66 53 00-0593 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap.....	548.86	43.48
22 66 53 00-0594 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap.....	542.34	39.11
22 66 53 00-0595 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap.....	1,213.56	43.48
22 66 53 00-0596 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap.....	712.91	43.48
<b>22 66 53 00-0597 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends (22 66 53 00-0464)</b>		
22 66 53 00-0598 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend.....	185.09	34.81
22 66 53 00-0599 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend.....	245.35	39.11
<b>22 66 53 00-0600 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters (22 66 53 00-0464)</b>		
22 66 53 00-0601 EA 1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter.....	90.02	26.08
22 66 53 00-0602 EA 1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter.....	175.31	28.29
22 66 53 00-0603 EA 2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter.....	122.44	32.59
<b>22 66 53 00-0604 Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter (22 66 53 00-0464)</b>		
22 66 53 00-0605 EA 1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	174.44	37.09
22 66 53 00-0606 EA 1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	191.58	39.11
22 66 53 00-0607 EA 1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	214.63	41.26
22 66 53 00-0608 EA 1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	229.47	45.50
22 66 53 00-0609 EA 2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	214.66	41.33
22 66 53 00-0610 EA 2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	226.37	43.48
22 66 53 00-0611 EA 2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	244.03	47.66
22 66 53 00-0612 EA 3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter.....	280.59	45.63
22 66 53 00-0613 EA 4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter.....	347.37	54.37
<b>22 66 53 00-0614 Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings (22 66 53 00-0464)</b>		
22 66 53 00-0615 EA 1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	67.88	
22 66 53 00-0616 EA 2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	79.20	
22 66 53 00-0617 EA 3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	84.85	
22 66 53 00-0618 EA 4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	93.34	
<b>22 66 53 00-0619 Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings (22 66 53 00-0464)</b>		
22 66 53 00-0620 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet.....	492.78	17.40
22 66 53 00-0621 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper.....	185.58	8.67



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0622 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow .....	349.63	8.67
<b>22 66 53 00-0623 Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates</b> (22 66 53 00-0464)		
22 66 53 00-0624 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer.....	1,753.94	86.96
22 66 53 00-0625 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer.....	2,173.40	91.33
22 66 53 00-0626 EA Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain .....	1,489.51	8.67
<b>22 66 83 Chemical-Waste Tanks</b> (22 66)		
<b>22 66 83 16 Chemical-Waste Neutralization Tanks</b> (22 66 83)		
<b>22 66 83 16-0001 Acid Neutralization Tank</b> (22 66 83 16)		
<b>22 66 83 16-0002 Polyethylene Acid Neutralization Tank</b> (22 66 83 16-0001)		
22 66 83 16-0003 EA 5 Gallon Capacity Polyethylene Acid Neutralization Tank .....	363.85	132.77
22 66 83 16-0004 EA 15 Gallon Capacity Polyethylene Acid Neutralization Tank .....	675.96	184.11
22 66 83 16-0005 EA 30 Gallon Capacity Polyethylene Acid Neutralization Tank .....	830.44	265.54
22 66 83 16-0006 EA 55 Gallon Capacity Polyethylene Acid Neutralization Tank .....	1,062.48	354.04
22 66 83 16-0007 EA 100 Gallon Capacity Polyethylene Acid Neutralization Tank .....	1,372.92	424.85
22 66 83 16-0008 EA 150 Gallon Capacity Polyethylene Acid Neutralization Tank .....	1,892.85	531.06
22 66 83 16-0009 EA 200 Gallon Capacity Polyethylene Acid Neutralization Tank .....	2,169.53	663.83
22 66 83 16-0010 EA 275 Gallon Capacity Polyethylene Acid Neutralization Tank .....	2,836.95	796.60
22 66 83 16-0011 EA 350 Gallon Capacity Polyethylene Acid Neutralization Tank .....	3,205.06	955.92
<b>22 66 83 16-0012 Polypropylene Acid Neutralization Tank</b> (22 66 83 16-0001)		
22 66 83 16-0013 EA 5 Gallon Capacity Polypropylene Acid Neutralization Tank .....	625.40	132.77
22 66 83 16-0014 EA 15 Gallon Capacity Polypropylene Acid Neutralization Tank .....	1,090.08	184.11
22 66 83 16-0015 EA 30 Gallon Capacity Polypropylene Acid Neutralization Tank .....	1,505.85	265.54
22 66 83 16-0016 EA 55 Gallon Capacity Polypropylene Acid Neutralization Tank .....	1,984.59	354.04
22 66 83 16-0017 EA 100 Gallon Capacity Polypropylene Acid Neutralization Tank .....	2,511.33	424.85
22 66 83 16-0018 EA 150 Gallon Capacity Polypropylene Acid Neutralization Tank .....	3,303.36	531.06
22 66 83 16-0019 EA 200 Gallon Capacity Polypropylene Acid Neutralization Tank .....	3,573.82	663.83
22 66 83 16-0020 EA 275 Gallon Capacity Polypropylene Acid Neutralization Tank .....	5,289.01	796.60
22 66 83 16-0021 EA 350 Gallon Capacity Polypropylene Acid Neutralization Tank .....	5,689.81	955.92
<b>22 66 83 16-0022 Chemical Dilution Trap</b> (22 66 83 16)		
22 66 83 16-0023 EA 1 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap .....	297.05	44.25
Note: 1-1/2" top inlet and side outlet with anti siphon.		
22 66 83 16-0024 EA 1-1/2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap .....	306.54	44.25
Note: 1-1/2" top inlet and side outlet with anti siphon.		
22 66 83 16-0025 EA 2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap .....	316.04	44.25
Note: 1-1/2" top inlet and side outlet with anti siphon.		
22 66 83 16-0026 EA 5 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap .....	346.29	53.11
Note: 1-1/2" top inlet and side outlet with anti siphon.		
<b>22 67 Processed Water Systems For Laboratory And Healthcare Facilities</b> (22 60)		
<b>22 67 13 Processed Water Piping For Laboratory And Healthcare Facilities</b> (22 67)		
<b>22 67 13 53 Laboratory Water Piping</b> (22 67 13)		
<b>22 67 13 53-0001 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe And Fittings</b> (22 67 13 53)		
<b>22 67 13 53-0002 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe</b> (22 67 13 53-0001)		
22 67 13 53-0003 LF 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe.....	5.58	1.89
For Work In Restricted Working Space, Add	0.84	
22 67 13 53-0004 LF 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe.....	7.03	2.35
For Work In Restricted Working Space, Add	1.05	
22 67 13 53-0005 LF 1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe.....	8.81	2.48
For Work In Restricted Working Space, Add	1.12	
22 67 13 53-0006 LF 1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe.....	13.46	2.74
For Work In Restricted Working Space, Add	1.22	
22 67 13 53-0007 LF 2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe.....	17.91	3.26
For Work In Restricted Working Space, Add	1.46	
<b>22 67 13 53-0008 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbows</b> (22 67 13 53-0001)		
22 67 13 53-0009 EA 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow.....	21.05	6.98
For Work In Restricted Working Space, Add	3.16	
22 67 13 53-0010 EA 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow.....	26.25	9.32
For Work In Restricted Working Space, Add	4.21	

**22 Plumbing****22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 67 Processed Water Systems For Laboratory And Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 67 13 53-0011	EA		1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow.....	31.60	11.61
			<i>For Work In Restricted Working Space, Add</i>	5.21	
22 67 13 53-0012	EA		1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow.....	50.21	18.51
			<i>For Work In Restricted Working Space, Add</i>	8.32	
22 67 13 53-0013	EA		2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow.....	62.26	23.54
			<i>For Work In Restricted Working Space, Add</i>	10.57	
<b>22 67 13 53-0014</b>			<b>Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbows <small>(22 67 13 53-0001)</small></b>		
22 67 13 53-0015	EA		1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow.....	21.05	7.04
			<i>For Work In Restricted Working Space, Add</i>	3.16	
22 67 13 53-0016	EA		3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow.....	26.25	9.32
			<i>For Work In Restricted Working Space, Add</i>	4.21	
22 67 13 53-0017	EA		1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow.....	31.60	11.61
			<i>For Work In Restricted Working Space, Add</i>	5.21	
22 67 13 53-0018	EA		1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow.....	50.47	18.51
			<i>For Work In Restricted Working Space, Add</i>	8.32	
22 67 13 53-0019	EA		2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow.....	62.26	23.54
			<i>For Work In Restricted Working Space, Add</i>	10.57	
<b>22 67 13 53-0020</b>			<b>Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tees <small>(22 67 13 53-0001)</small></b>		
22 67 13 53-0021	EA		1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee.....	29.61	11.61
			<i>For Work In Restricted Working Space, Add</i>	5.21	
22 67 13 53-0022	EA		3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee.....	35.24	14.02
			<i>For Work In Restricted Working Space, Add</i>	6.31	
22 67 13 53-0023	EA		1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee.....	44.10	18.51
			<i>For Work In Restricted Working Space, Add</i>	8.32	
22 67 13 53-0024	EA		1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee.....	71.93	28.03
			<i>For Work In Restricted Working Space, Add</i>	12.62	
22 67 13 53-0025	EA		2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee.....	92.55	34.81
			<i>For Work In Restricted Working Space, Add</i>	15.65	
<b>22 67 13 53-0026</b>			<b>Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tees <small>(22 67 13 53-0001)</small></b>		
22 67 13 53-0027	EA		3/4" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee.....	60.52	13.04
			<i>For Work In Restricted Working Space, Add</i>	5.87	
22 67 13 53-0028	EA		1" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee.....	71.17	15.19
			<i>For Work In Restricted Working Space, Add</i>	6.84	
22 67 13 53-0029	EA		1" x 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee.....	75.12	16.50
			<i>For Work In Restricted Working Space, Add</i>	7.43	
22 67 13 53-0030	EA		1-1/2" x 1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee.....	95.80	23.46
			<i>For Work In Restricted Working Space, Add</i>	10.56	
22 67 13 53-0031	EA		2" x 1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee.....	117.21	31.29
			<i>For Work In Restricted Working Space, Add</i>	14.08	
<b>22 67 13 53-0032</b>			<b>Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Inserts <small>(22 67 13 53-0001)</small></b>		
22 67 13 53-0033	EA		3/4" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert.....	27.88	8.28
			<i>For Work In Restricted Working Space, Add</i>	3.71	
22 67 13 53-0034	EA		1" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert.....	33.12	9.58
			<i>For Work In Restricted Working Space, Add</i>	4.30	
22 67 13 53-0035	EA		1" x 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert.....	37.64	10.89
			<i>For Work In Restricted Working Space, Add</i>	4.89	
22 67 13 53-0036	EA		1-1/2" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert.....	50.28	13.04
			<i>For Work In Restricted Working Space, Add</i>	5.87	
22 67 13 53-0037	EA		1-1/2" x 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert.....	53.67	14.34
			<i>For Work In Restricted Working Space, Add</i>	6.46	
22 67 13 53-0038	EA		1-1/2" x 1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert.....	55.82	15.19
			<i>For Work In Restricted Working Space, Add</i>	6.85	
22 67 13 53-0039	EA		2" x 1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert.....	83.15	21.32
			<i>For Work In Restricted Working Space, Add</i>	9.58	
<b>22 67 13 53-0040</b>			<b>Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapters <small>(22 67 13 53-0001)</small></b>		
22 67 13 53-0041	EA		1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter.....	24.03	7.04
			<i>For Work In Restricted Working Space, Add</i>	3.16	
22 67 13 53-0042	EA		3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter.....	30.38	9.32
			<i>For Work In Restricted Working Space, Add</i>	4.21	
22 67 13 53-0043	EA		1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter.....	36.16	11.61
			<i>For Work In Restricted Working Space, Add</i>	5.21	
22 67 13 53-0044	EA		1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter.....	53.34	18.51
			<i>For Work In Restricted Working Space, Add</i>	8.32	
22 67 13 53-0045	EA		2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter.....	69.91	23.46
			<i>For Work In Restricted Working Space, Add</i>	10.56	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 67 13 53-0046				<b>Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapters</b> <small>(22 67 13 53-0001)</small>		
22 67 13 53-0047	EA			1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter ..... 24.03		7.04
				<i>For Work In Restricted Working Space, Add</i> ..... 3.16		
22 67 13 53-0048	EA			3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter ..... 30.38		9.32
				<i>For Work In Restricted Working Space, Add</i> ..... 4.21		
22 67 13 53-0049	EA			1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter ..... 36.16		11.61
				<i>For Work In Restricted Working Space, Add</i> ..... 5.21		
22 67 13 53-0050	EA			1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter ..... 53.34		18.51
				<i>For Work In Restricted Working Space, Add</i> ..... 8.32		
22 67 13 53-0051	EA			2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter ..... 69.37		23.54
				<i>For Work In Restricted Working Space, Add</i> ..... 10.57		
22 67 13 53-0052				<b>Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Couplings</b> <small>(22 67 13 53-0001)</small>		
22 67 13 53-0053	EA			1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling..... 17.06		7.04
				<i>For Work In Restricted Working Space, Add</i> ..... 3.16		
22 67 13 53-0054	EA			3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling..... 22.98		9.32
				<i>For Work In Restricted Working Space, Add</i> ..... 4.21		
22 67 13 53-0055	EA			1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling..... 29.04		11.61
				<i>For Work In Restricted Working Space, Add</i> ..... 5.21		
22 67 13 53-0056	EA			1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling..... 45.66		18.51
				<i>For Work In Restricted Working Space, Add</i> ..... 8.32		
22 67 13 53-0057	EA			2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling..... 60.27		23.54
				<i>For Work In Restricted Working Space, Add</i> ..... 10.57		
22 67 13 53-0058				<b>Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Unions</b> <small>(22 67 13 53-0001)</small>		
22 67 13 53-0059	EA			1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union..... 62.19		11.61
				<i>For Work In Restricted Working Space, Add</i> ..... 5.21		
22 67 13 53-0060	EA			3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union..... 68.67		14.02
				<i>For Work In Restricted Working Space, Add</i> ..... 6.31		
22 67 13 53-0061	EA			1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union..... 80.94		18.51
				<i>For Work In Restricted Working Space, Add</i> ..... 8.32		
22 67 13 53-0062	EA			1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union ..... 138.50		28.03
				<i>For Work In Restricted Working Space, Add</i> ..... 12.62		
22 67 13 53-0063	EA			2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union..... 190.41		34.81
				<i>For Work In Restricted Working Space, Add</i> ..... 15.65		
22 67 13 53-0064				<b>Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Caps</b> <small>(22 67 13 53-0001)</small>		
22 67 13 53-0065	EA			1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap ..... 19.74		7.12
				<i>For Work In Restricted Working Space, Add</i> ..... 3.19		
22 67 13 53-0066	EA			3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap ..... 24.55		9.32
				<i>For Work In Restricted Working Space, Add</i> ..... 4.21		
22 67 13 53-0067	EA			1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap ..... 29.04		11.61
				<i>For Work In Restricted Working Space, Add</i> ..... 5.21		
22 67 13 53-0068	EA			1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap ..... 45.95		18.51
				<i>For Work In Restricted Working Space, Add</i> ..... 8.32		
22 67 13 53-0069	EA			2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap ..... 60.27		23.54
				<i>For Work In Restricted Working Space, Add</i> ..... 10.57		
22 67 13 53-0070				<b>Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 LB Flanges</b> <small>(22 67 13 53-0001)</small>		
22 67 13 53-0071	EA			1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 LB Flange..... 34.45		11.74
				<i>For Work In Restricted Working Space, Add</i> ..... 5.21		
22 67 13 53-0072	EA			3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 LB Flange..... 40.22		13.89
				<i>For Work In Restricted Working Space, Add</i> ..... 6.31		
22 67 13 53-0073	EA			1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 LB Flange..... 50.16		18.71
				<i>For Work In Restricted Working Space, Add</i> ..... 8.32		
22 67 13 53-0074	EA			1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 LB Flange..... 75.91		28.29
				<i>For Work In Restricted Working Space, Add</i> ..... 12.62		
22 67 13 53-0075	EA			2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 LB Flange..... 91.41		34.81
				<i>For Work In Restricted Working Space, Add</i> ..... 15.65		
22 67 13 53-0076				<b>Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe And Fittings</b> <small>(22 67 13 53)</small>		
22 67 13 53-0077				<b>Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe</b> <small>(22 67 13 53-0076)</small>		
22 67 13 53-0078	LF			1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe ..... 7.11		1.89
				<i>For Work In Restricted Working Space, Add</i> ..... 0.84		
22 67 13 53-0079	LF			3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe ..... 9.08		2.35
				<i>For Work In Restricted Working Space, Add</i> ..... 1.05		
22 67 13 53-0080	LF			1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe ..... 11.56		2.48
				<i>For Work In Restricted Working Space, Add</i> ..... 1.12		
22 67 13 53-0081	LF			1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe ..... 14.44		2.74
				<i>For Work In Restricted Working Space, Add</i> ..... 1.22		



**22 Plumbing****22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities****22 67 Processed Water Systems For Laboratory And Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 67 13 53-0082	LF		2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe ..... <i>For Work In Restricted Working Space, Add</i>	19.58 1.46	3.26
<b>22 67 13 53-0083</b>			<b>Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbows</b> <small>(22 67 13 53-0076)</small>		
22 67 13 53-0084	EA		1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	24.92 3.16	6.98
22 67 13 53-0085	EA		3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	32.11 4.21	9.32
22 67 13 53-0086	EA		1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	39.99 5.21	11.61
22 67 13 53-0087	EA		1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	58.39 8.32	18.51
22 67 13 53-0088	EA		2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	76.76 10.57	23.54
<b>22 67 13 53-0089</b>			<b>Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbows</b> <small>(22 67 13 53-0076)</small>		
22 67 13 53-0090	EA		1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	24.75 3.16	7.04
22 67 13 53-0091	EA		3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	32.19 4.21	9.32
22 67 13 53-0092	EA		1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	40.07 5.21	11.61
22 67 13 53-0093	EA		1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	59.56 8.32	18.51
22 67 13 53-0094	EA		2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	76.76 10.57	23.54
<b>22 67 13 53-0095</b>			<b>Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tees</b> <small>(22 67 13 53-0076)</small>		
22 67 13 53-0096	EA		1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee ..... <i>For Work In Restricted Working Space, Add</i>	34.55 5.21	11.61
22 67 13 53-0097	EA		3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee ..... <i>For Work In Restricted Working Space, Add</i>	41.28 6.31	14.02
22 67 13 53-0098	EA		1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee ..... <i>For Work In Restricted Working Space, Add</i>	51.60 8.32	18.51
22 67 13 53-0099	EA		1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee ..... <i>For Work In Restricted Working Space, Add</i>	77.90 12.62	28.03
22 67 13 53-0100	EA		2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee ..... <i>For Work In Restricted Working Space, Add</i>	99.71 15.65	34.81
<b>22 67 13 53-0101</b>			<b>Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tees</b> <small>(22 67 13 53-0076)</small>		
22 67 13 53-0102	EA		3/4" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i>	40.65 5.87	13.04
22 67 13 53-0103	EA		1" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i>	49.94 6.84	15.19
22 67 13 53-0104	EA		1" x 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i>	51.90 7.43	16.50
22 67 13 53-0105	EA		1-1/2" x 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i>	74.22 10.56	23.46
22 67 13 53-0106	EA		2" x 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i>	95.92 14.08	31.29
<b>22 67 13 53-0107</b>			<b>Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Inserts</b> <small>(22 67 13 53-0076)</small>		
22 67 13 53-0108	EA		3/4" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert ..... <i>For Work In Restricted Working Space, Add</i>	28.71 3.71	8.28
22 67 13 53-0109	EA		1" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert ..... <i>For Work In Restricted Working Space, Add</i>	32.59 4.30	9.58
22 67 13 53-0110	EA		1" x 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert ..... <i>For Work In Restricted Working Space, Add</i>	34.55 4.89	10.89
22 67 13 53-0111	EA		1-1/2" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert ..... <i>For Work In Restricted Working Space, Add</i>	44.85 5.87	13.04
22 67 13 53-0112	EA		1-1/2" x 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert ..... <i>For Work In Restricted Working Space, Add</i>	46.81 6.46	14.34
22 67 13 53-0113	EA		1-1/2" x 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert ..... <i>For Work In Restricted Working Space, Add</i>	48.11 6.85	15.19
22 67 13 53-0114	EA		2" x 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert ..... <i>For Work In Restricted Working Space, Add</i>	67.11 9.58	21.32
<b>22 67 13 53-0115</b>			<b>Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapters</b> <small>(22 67 13 53-0076)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 67 13 53-0116 EA 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter ..... <i>For Work In Restricted Working Space, Add</i>	24.92 3.16	7.04
22 67 13 53-0117 EA 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter ..... <i>For Work In Restricted Working Space, Add</i>	31.60 4.21	9.32
22 67 13 53-0118 EA 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter ..... <i>For Work In Restricted Working Space, Add</i>	37.39 5.21	11.61
22 67 13 53-0119 EA 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter ..... <i>For Work In Restricted Working Space, Add</i>	52.02 8.32	18.51
22 67 13 53-0120 EA 2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter ..... <i>For Work In Restricted Working Space, Add</i>	73.05 10.56	23.46
<b>22 67 13 53-0121 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapters <small>(22 67 13 53-0076)</small></b>		
22 67 13 53-0122 EA 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter ..... <i>For Work In Restricted Working Space, Add</i>	24.92 3.16	7.04
22 67 13 53-0123 EA 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter ..... <i>For Work In Restricted Working Space, Add</i>	31.60 4.21	9.32
22 67 13 53-0124 EA 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter ..... <i>For Work In Restricted Working Space, Add</i>	37.39 5.21	11.61
22 67 13 53-0125 EA 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter ..... <i>For Work In Restricted Working Space, Add</i>	52.02 8.32	18.51
22 67 13 53-0126 EA 2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter ..... <i>For Work In Restricted Working Space, Add</i>	73.08 10.57	23.54
<b>22 67 13 53-0127 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Couplings <small>(22 67 13 53-0076)</small></b>		
22 67 13 53-0128 EA 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling ..... <i>For Work In Restricted Working Space, Add</i>	23.50 3.16	7.04
22 67 13 53-0129 EA 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling ..... <i>For Work In Restricted Working Space, Add</i>	29.93 4.21	9.32
22 67 13 53-0130 EA 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling ..... <i>For Work In Restricted Working Space, Add</i>	35.55 5.21	11.61
22 67 13 53-0131 EA 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling ..... <i>For Work In Restricted Working Space, Add</i>	51.69 8.32	18.51
22 67 13 53-0132 EA 2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling ..... <i>For Work In Restricted Working Space, Add</i>	66.55 10.57	23.54
<b>22 67 13 53-0133 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Unions <small>(22 67 13 53-0076)</small></b>		
22 67 13 53-0134 EA 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union ..... <i>For Work In Restricted Working Space, Add</i>	75.16 5.21	14.02
22 67 13 53-0135 EA 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union ..... <i>For Work In Restricted Working Space, Add</i>	87.17 6.31	18.51
22 67 13 53-0136 EA 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union ..... <i>For Work In Restricted Working Space, Add</i>	105.95 8.32	28.03
22 67 13 53-0137 EA 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union ..... <i>For Work In Restricted Working Space, Add</i>	173.52 12.62	34.81
22 67 13 53-0138 EA 2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union ..... <i>For Work In Restricted Working Space, Add</i>	225.48 15.65	7.12
<b>22 67 13 53-0139 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Caps <small>(22 67 13 53-0076)</small></b>		
22 67 13 53-0140 EA 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap ..... <i>For Work In Restricted Working Space, Add</i>	23.62 3.19	9.32
22 67 13 53-0141 EA 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap ..... <i>For Work In Restricted Working Space, Add</i>	29.93 4.21	11.61
22 67 13 53-0142 EA 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap ..... <i>For Work In Restricted Working Space, Add</i>	35.47 5.21	18.51
22 67 13 53-0143 EA 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap ..... <i>For Work In Restricted Working Space, Add</i>	51.86 8.32	23.54
22 67 13 53-0144 EA 2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap ..... <i>For Work In Restricted Working Space, Add</i>	66.55 10.57	
<b>22 67 13 53-0145 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 LB Flanges <small>(22 67 13 53-0076)</small></b>		
22 67 13 53-0146 EA 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 LB Flange ..... <i>For Work In Restricted Working Space, Add</i>	45.18 5.21	11.74
22 67 13 53-0147 EA 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 LB Flange ..... <i>For Work In Restricted Working Space, Add</i>	52.17 6.31	13.89
22 67 13 53-0148 EA 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 LB Flange ..... <i>For Work In Restricted Working Space, Add</i>	63.41 8.32	18.71
22 67 13 53-0149 EA 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 LB Flange ..... <i>For Work In Restricted Working Space, Add</i>	91.63 12.62	28.29
22 67 13 53-0150 EA 2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 LB Flange ..... <i>For Work In Restricted Working Space, Add</i>	114.11 15.65	34.81

**22 Plumbing**

22 60 Gas and Vacuum Systems For Laboratory And Healthcare Facilities

22 67 Processed Water Systems For Laboratory And Healthcare Facilities



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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END OF SECTION 22



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 23 Heating, Ventilating, And Air-Conditioning (HVAC)

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

### 23 01 Operation and Maintenance of HVAC Systems <sup>(23)</sup>

#### 23 01 10 Operation and Maintenance of Facility Fuel Systems <sup>(23 01)</sup>

##### 23 01 10 91 Facility Fuel Systems Restoration <sup>(23 01 10)</sup>

##### 23 01 10 91-0001 Purge Gas Systems <sup>(23 01 10 91)</sup>

Note: Includes collection and refilling/bleeding of system. For natural gas, flammable gases and other gases that should not be released inside the building.

23 01 10 91-0002	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	335.74
23 01 10 91-0003	EA	>100' To 250', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	479.57
23 01 10 91-0004	EA	>250' To 500', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	503.53
23 01 10 91-0005	EA	>500' To 1,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	555.40
23 01 10 91-0006	EA	>1,000' To 2,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	1,005.91
23 01 10 91-0007	EA	Up To 100', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	451.39
23 01 10 91-0008	EA	>100' To 250', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	648.65
23 01 10 91-0009	EA	>250' To 500', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	686.68
23 01 10 91-0010	EA	>500' To 1,000', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	768.47
23 01 10 91-0011	EA	>1,000' To 2,000', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	1,397.12
23 01 10 91-0012	EA	Up To 100', >4" To 10" Diameter Pipe, Purge Gas Systems.....	535.00
23 01 10 91-0013	EA	>100' To 250', >4" To 10" Diameter Pipe, Purge Gas Systems.....	787.82
23 01 10 91-0014	EA	>250' To 500', >4" To 10" Diameter Pipe, Purge Gas Systems.....	1,673.41
23 01 10 91-0015	EA	>500' To 1,000', >4" To 10" Diameter Pipe, Purge Gas Systems.....	2,618.47
23 01 10 91-0016	EA	>1,000' To 2,000', >4" To 10" Diameter Pipe, Purge Gas Systems.....	4,923.44

#### 23 01 20 Operation and Maintenance of HVAC Piping and Pumps <sup>(23 01)</sup>

##### 23 01 20 91 HVAC Piping And Pumps Restoration <sup>(23 01 20)</sup>

##### 23 01 20 91-0001 Lock Out/Tag Out System <sup>(23 01 20 91)</sup>

23 01 20 91-0002	EA	Up To 1", Lock Out/Tag Out Valve.....	17.70
23 01 20 91-0003	EA	>1" To 3", Lock Out/Tag Out Valve.....	21.24
23 01 20 91-0004	EA	>3" To 6", Lock Out/Tag Out Valve.....	24.78
23 01 20 91-0005	EA	>6" To 10", Lock Out/Tag Out Valve.....	28.32
23 01 20 91-0006	EA	>10" To 14", Lock Out/Tag Out Valve.....	35.40
23 01 20 91-0007	EA	Lock Out/Tag Out Padlock System.....	14.16
23 01 20 91-0008	EA	Lock Out/Tag Out Tag.....	2.20

##### 23 01 20 91-0009 Freeze Pipe Using CO2 Kit <sup>(23 01 20 91)</sup>

Note: For use on chilled water or cold water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0010	EA	Up To 2" Freeze Pipe Using CO2 Kit.....	108.39
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##### 23 01 20 91-0011 Freeze Pipe Using Nitrogen <sup>(23 01 20 91)</sup>

Note: For use on any water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0012	EA	Up To 4" Pipe Freezing Using Nitrogen.....	935.55
23 01 20 91-0013	EA	>4" To 12" Pipe Freezing Using Nitrogen.....	1,871.10

##### 23 01 20 91-0014 Water/Chlorine Pipe Disinfection/Flush/Testing <sup>(23 01 20 91)</sup>

Note: For existing piping when required. Water/chlorine solution per specification entitled "Water Distribution".

23 01 20 91-0015	LF	Up To 1", Water/Chlorine Pipe Disinfection/Flush/Testing.....	1.19
23 01 20 91-0016	LF	>1" To 2", Water/Chlorine Pipe Disinfection/Flush/Testing.....	1.63
23 01 20 91-0017	LF	>2" To 3", Water/Chlorine Pipe Disinfection/Flush/Testing.....	2.55
23 01 20 91-0018	LF	4", Water/Chlorine Pipe Disinfection/Flush/Testing.....	3.52
23 01 20 91-0019	LF	6", Water/Chlorine Pipe Disinfection/Flush/Testing.....	4.35
23 01 20 91-0020	LF	8", Water/Chlorine Pipe Disinfection/Flush/Testing.....	5.52
23 01 20 91-0021	LF	10", Water/Chlorine Pipe Disinfection/Flush/Testing.....	7.26
23 01 20 91-0022	LF	12", Water/Chlorine Pipe Disinfection/Flush/Testing.....	8.71

##### 23 01 20 91-0023 Shut Down Existing Piping System <sup>(23 01 20 91)</sup>

23 01 20 91-0024	EA	Shut Down Existing Interior Piping System.....	147.16
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Note: Includes lock out/tag out and average line tracing. Use when valves are greater than 25' from work. When the shut-off valves for multiple lines are located with a 10' radius, the quantity used shall be one.

##### 23 01 20 91-0025 Purge Liquid Systems <sup>(23 01 20 91)</sup>

Note: Includes collection and refilling/bleeding of system.

23 01 20 91-0026	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Liquid System.....	239.24
23 01 20 91-0027	EA	>100 To 250', Up To 1-1/2" Diameter Pipe, Purge Liquid System.....	341.68

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 01 Operation and Maintenance of HVAC Systems****23 01 20 Operation and Maintenance of HVAC Piping and Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 91-0028 EA >250 To 500', Up To 1-1/2" Diameter Pipe, Purge Liquid System .....	409.40	
23 01 20 91-0029 EA >500 To 1,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System .....	432.80	
23 01 20 91-0030 EA >1,000 To 2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System .....	826.25	
23 01 20 91-0031 EA Up To 100', >1-1/2" To 4" Diameter Pipe, Purge Liquid System.....	318.45	
23 01 20 91-0032 EA >100 To 250', 1-1/2" To 4" Diameter Pipe, Purge Liquid System.....	454.44	
23 01 20 91-0033 EA >250 To 500', 1-1/2" To 4" Diameter Pipe, Purge Liquid System.....	541.00	
23 01 20 91-0034 EA >500 To 1,000', 1-1/2" To 4" Diameter Pipe, Purge Liquid System.....	575.23	
23 01 20 91-0035 EA >1,000 To 2,000', 1-1/2" To 4" Diameter Pipe, Purge Liquid System.....	1,108.38	
23 01 20 91-0036 EA Up To 100', >4" To 10" Diameter Pipe, Purge Liquid System .....	392.61	
23 01 20 91-0037 EA >100 To 250', >4" To 10" Diameter Pipe, Purge Liquid System .....	561.03	
23 01 20 91-0038 EA >250 To 500', >4" To 10" Diameter Pipe, Purge Liquid System.....	1,415.77	
23 01 20 91-0039 EA >1,000 To 2,000', >4" To 10" Diameter Pipe, Purge Liquid System.....	2,246.77	
<b>23 01 20 91-0040 Special Cleaning Of Piping Systems (23 01 20 91)</b>		
<b>23 01 20 91-0041 Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing (23 01 20 91-0040)</b>		
23 01 20 91-0042 LF Up To 1", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing .....	1.51	
23 01 20 91-0043 LF >1" To 2", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing .....	2.55	
23 01 20 91-0044 LF >2" To 3", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing .....	3.57	
23 01 20 91-0045 LF >3" To 4", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing .....	4.62	
23 01 20 91-0046 LF >4" To 6", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing .....	6.41	
<b>23 01 20 91-0047 Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing (23 01 20 91-0040)</b>		
23 01 20 91-0048 LF Up To 1", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing .....	1.65	
23 01 20 91-0049 LF >1" To 2", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing .....	2.72	
23 01 20 91-0050 LF >2" To 3", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing .....	3.81	
23 01 20 91-0051 LF >3" To 4", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing .....	4.98	
23 01 20 91-0052 LF >4" To 6", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing .....	6.89	
<b>23 01 20 91-0053 Drewsperser 4945/4395 Pipe Disinfection/Flush/Testing (23 01 20 91-0040)</b>		
23 01 20 91-0054 LF Up To 1", Drewsperser 4945/4395 Pipe Disinfection/Flush/Testing .....	1.69	
23 01 20 91-0055 LF >1" To 2", Drewsperser 4945/4395 Pipe Disinfection/Flush/Testing .....	2.78	
23 01 20 91-0056 LF >2" To 3", Drewsperser 4945/4395 Pipe Disinfection/Flush/Testing .....	3.91	
23 01 20 91-0057 LF >3" To 4", Drewsperser 4945/4395 Pipe Disinfection/Flush/Testing .....	5.12	
23 01 20 91-0058 LF >4" To 6", Drewsperser 4945/4395 Pipe Disinfection/Flush/Testing .....	7.07	
<b>23 01 20 91-0059 Add-A-Valve Emergency Shut Off Device (23 01 20 91)</b>		
23 01 20 91-0060 EA 1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-103ADD) .....	221.35	
23 01 20 91-0061 EA 3/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-104ADD) .....	278.74	
23 01 20 91-0062 EA 1" Add-A-Valve Emergency Shut Off Device (Jomar 800-105ADD) .....	386.40	
23 01 20 91-0063 EA 1-1/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-106ADD) .....	591.49	
23 01 20 91-0064 EA 1-1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-107ADD) .....	730.40	
23 01 20 91-0065 EA 2" Add-A-Valve Emergency Shut Off Device (Jomar 800-108ADD) .....	1,103.43	
<b>23 01 30 Operation and Maintenance of HVAC Air Distribution (23 01)</b>		
<b>23 01 30 51 HVAC Air-Distribution System Cleaning (23 01 30)</b>		
<b>23 01 30 51-0001 Special Cleaning Of Ductwork (23 01 30 51)</b>		
Note: Includes sealing registers, grilles, diffusers as required.		
23 01 30 51-0002 LF Up To 2 SF Cross Section, Clean Supply/Return Ductwork .....	2.17	
For Exhaust Ductwork, Add	0.54	
For Mold Contaminated Cleaning HEPA Vacuuming, Add	0.32	
23 01 30 51-0003 LF >2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork .....	2.71	
For Exhaust Ductwork, Add	0.68	
For Mold Contaminated Cleaning HEPA Vacuuming, Add	0.40	
23 01 30 51-0004 LF >4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork .....	3.65	
For Exhaust Ductwork, Add	0.91	
For Mold Contaminated Cleaning HEPA Vacuuming, Add	0.54	
23 01 30 51-0005 LF >8 SF Cross Section, Clean Supply/Return Ductwork .....	5.17	
For Exhaust Ductwork, Add	1.29	
For Mold Contaminated Cleaning HEPA Vacuuming, Add	0.76	
23 01 30 51-0006 SF Clean Duct Dampers.....	7.30	
For Mold Contaminated Cleaning HEPA Vacuuming, Add	1.10	
23 01 30 51-0007 SF Clean Duct Fire Dampers .....	14.59	
For Mold Contaminated Cleaning HEPA Vacuuming, Add	2.19	
23 01 30 51-0008 SF Clean Louver .....	5.84	
For Mold Contaminated Cleaning HEPA Vacuuming, Add	0.88	
23 01 30 51-0009 EA Clean Turning Vane Set.....	17.52	
For Mold Contaminated Cleaning HEPA Vacuuming, Add	2.63	
23 01 30 51-0010 EA Clean Grille/Diffuser/Register.....	17.52	
Note: Includes removal and reinstallation.		
For Mold Contaminated Cleaning HEPA Vacuuming, Add	2.63	
23 01 30 51-0011 LF Clean Linear Diffuser .....	4.37	
Note: Includes removal and reinstallation.		
For Mold Contaminated Cleaning HEPA Vacuuming, Add	0.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 30 51-0012 EA Cut Access For Cleaning Duct And Install Duct Insulated Access Doors .....	78.20	
<i>For Stainless Steel, Add</i> .....	77.62	
<i>For Mold Contaminated Cleaning HEPA Vacuuming, Add</i> .....	5.91	
23 01 30 51-0013 EA Clean Variable Air Volume (VAV) Unit .....	52.54	
<i>For Mold Contaminated Cleaning HEPA Vacuuming, Add</i> .....	7.88	
23 01 30 51-0014 EA Clean Fan Powered Induction Unit (PIU) Unit .....	70.05	
<i>For Mold Contaminated Cleaning HEPA Vacuuming, Add</i> .....	10.51	
23 01 30 51-0015 EA Clean Fan Coil Unit (FCU) Unit .....	70.05	
<i>For Mold Contaminated Cleaning HEPA Vacuuming, Add</i> .....	10.51	
23 01 30 51-0016 EA Clean Supply Or Return Fan .....	140.10	
<i>For Mold Contaminated Cleaning HEPA Vacuuming, Add</i> .....	21.02	
23 01 30 51-0017 EA Clean Exhaust Fan .....	122.59	
<i>For Mold Contaminated Cleaning HEPA Vacuuming, Add</i> .....	18.39	
23 01 30 51-0018 EA Clean Duct Coil .....	105.07	
<i>For Mold Contaminated Cleaning HEPA Vacuuming, Add</i> .....	15.76	
23 01 30 51-0019 SF Clean Air Handling Unit Interior Housing, HEPA Vacuum .....	3.51	
Note: Excluding fan and coils.		
<i>For Mold Contaminated Cleaning HEPA Vacuuming, Add</i> .....	0.53	
23 01 30 51-0020 EA Clean Air Handling Unit Fan .....	140.10	
<i>For Mold Contaminated Cleaning HEPA Vacuuming, Add</i> .....	21.02	
23 01 30 51-0021 EA Clean Air Handling Unit Coil .....	210.15	
<i>For Mold Contaminated Cleaning HEPA Vacuuming, Add</i> .....	31.52	
23 01 30 51-0022 SF Clean Equipment Surfaces, Rust Reform And Prime .....	1.91	
<i>For Mold Contaminated Cleaning HEPA Vacuuming, Add</i> .....	0.21	
23 01 30 51-0023 SF Clean Interior Equipment Surfaces, Rust Reform And Prime .....	2.26	
<i>For Mold Contaminated Cleaning HEPA Vacuuming, Add</i> .....	0.26	
23 01 30 51-0024 SF HEPA Vacuuming Of Walls, Ceilings And Floors In Mechanical Rooms .....	0.34	
23 01 30 51-0025 EA Cleaning Of Ductwork Minimum Set-up Charge .....	472.05	
Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
23 01 30 51-0026 SF Apply Antimicrobial Agent To Ductwork And Surfaces After Cleaning .....	0.32	

**23 01 30 61 HVAC Air-Distribution Duct Repair (23 01 30)**

23 01 30 61-0001 Repair And Seal Ductwork (23 01 30 61)	
Note: Includes removal of existing insulation, repair/seal ductwork with Duct Sealer and reinstallation of insulation. Excludes new ductwork.	
23 01 30 61-0002 SF Repair And Sealing Of Ductwork .....	1.30
Note: Clean, apply sealant and tape	

**23 01 50 Operation and Maintenance of Central Heating Equipment (23 01)****23 01 50 61 Central Heating Equipment Repair (23 01 50)**

23 01 50 61-0001 Boiler Repairs (23 01 50 61)	
23 01 50 61-0002 Setup And Maintenance (23 01 50 61-0001)	
23 01 50 61-0003 EA Set-up Charge For Boiler Fire Side Maintenance .....	1,471.44
Note: Includes removing/relocating doors, plates, portals, and burners required to access fireside.	
23 01 50 61-0004 EA Close-up Charge For Boiler Fire Side Maintenance .....	1,604.10
Note: Includes replacement of doors, plates, portals, burners, adhesive, rope, wool, and seals.	
<i>For Burner Seals, Add</i> .....	547.14
Note: Used when burner must be removed from door for maintenance.	
23 01 50 61-0005 EA Setup Charge For Boiler Water Side Maintenance .....	1,961.93
Note: Includes closing valves, draining, and positioning equipment needed for tube replacement.	
23 01 50 61-0006 EA Up To 100 HP, Hydrostatic Test - Boiler Maintenance .....	980.96
Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	
23 01 50 61-0007 EA >100 HP, Hydrostatic Test - Boiler Maintenance .....	1,961.93
Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	
23 01 50 61-0008 EA Removal And Replacement Of Handhole .....	61.31
23 01 50 61-0009 EA Removal And Replacement Of Manhole .....	183.93
23 01 50 61-0010 SF Sheet Metal Jacket Patch .....	7.07

**23 01 50 61-0011 Boiler Tube Replacement (23 01 50 61-0001)**

23 01 50 61-0012 EA Removal Of Up To 2" Boiler Tube .....	147.15
23 01 50 61-0013 EA Removal Of >2" To 3" Boiler Tube .....	183.94
23 01 50 61-0014 EA Removal Of >3" To 4" Boiler Tube .....	257.50
23 01 50 61-0015 LF Place 1-1/2" Boiler Tube Into Position For Termination .....	5.75
Note: Includes black steel tube, fasteners and accessories.	
23 01 50 61-0016 LF Place 2" Boiler Tube Into Position For Termination .....	6.71
Note: Includes black steel tube, fasteners and accessories.	
23 01 50 61-0017 LF Place 2-1/2" Boiler Tube Into Position For Termination .....	7.66
Note: Includes black steel tube, fasteners and accessories.	
23 01 50 61-0018 LF Place 3" Boiler Tube Into Position For Termination .....	11.05
Note: Includes black steel tube, fasteners and accessories.	
23 01 50 61-0019 LF Place 3-1/2" Boiler Tube Into Position For Termination .....	12.97
Note: Includes black steel tube, fasteners and accessories.	
23 01 50 61-0020 LF Place 4" Boiler Tube Into Position For Termination .....	16.64
Note: Includes black steel tube, fasteners and accessories.	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 01 Operation and Maintenance of HVAC Systems****23 01 50 Operation and Maintenance of Central Heating Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 50 61-0021 EA 1-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	18.39	
23 01 50 61-0022 EA 2" Rolled Boiler Tube Termination (2 Per New Tube).....	27.59	
23 01 50 61-0023 EA 2-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	36.78	
23 01 50 61-0024 EA 3" Rolled Boiler Tube Termination (2 Per New Tube).....	45.99	
23 01 50 61-0025 EA 3-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	55.18	
23 01 50 61-0026 EA 4" Rolled Boiler Tube Termination (2 Per New Tube).....	64.38	
23 01 50 61-0027 EA 1-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	55.18	
23 01 50 61-0028 EA 2" Welded Boiler Tube Termination (2 Per New Tube).....	73.57	
23 01 50 61-0029 EA 2-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	91.96	
23 01 50 61-0030 EA 3" Welded Boiler Tube Termination (2 Per New Tube).....	110.35	
23 01 50 61-0031 EA 3-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	128.75	
23 01 50 61-0032 EA 4" Welded Boiler Tube Termination (2 Per New Tube).....	147.15	
23 01 50 61-0033 EA Plug Boiler Tube Hole Where Boiler Tube Is Not Replaced.....	221.00	
<b>23 01 50 61-0034 Cast Iron Boiler Section Replacement (23 01 50 61-0001)</b>		
23 01 50 61-0035 EA Replace Front Section Of Weil McLain Model 80 Cast Iron Boiler.....	1,811.65	
23 01 50 61-0036 EA Replace Rear Section Of Weil McLain Model 80 Cast Iron Boiler.....	1,298.72	
23 01 50 61-0037 EA Replace Inside Section Of Weil McLain Model 80 Cast Iron Boiler.....	1,528.76	
23 01 50 61-0038 EA Replace Front Section Of Weil McLain Model 88 Cast Iron Boiler.....	3,429.17	
23 01 50 61-0039 EA Replace Rear Section Of Weil McLain Model 88 Cast Iron Boiler.....	2,627.22	
23 01 50 61-0040 EA Replace Inside Section Of Weil McLain Model 88 Cast Iron Boiler.....	2,888.10	
23 01 50 61-0041 EA Replace Front Section Of Weil McLain Model 94 Cast Iron Boiler.....	5,681.61	
23 01 50 61-0042 EA Replace Rear Section Of Weil McLain Model 94 Cast Iron Boiler.....	4,574.80	
23 01 50 61-0043 EA Replace Inside Section Of Weil McLain Model 94 Cast Iron Boiler.....	4,653.58	
<b>23 01 50 61-0044 Cast Iron Grate Replacement (23 01 50 61-0001)</b>		
23 01 50 61-0045 SF Replace Cast Iron Boiler Grates, Prepared From Casting Mold.....	83.94	
Note: Includes support, linkages and removal of existing.		
23 01 50 61-0046 EA Prepare Cast Iron Boiler Grate Mold.....	1,214.82	
Note: Includes preparing unique size mold for grate casting. Mold to be used for multiple castings.		
<b>23 01 50 61-0047 Replacement Or Conversion Of Boiler Burners (23 01 50 61-0001)</b>		
Note: Includes mounting plate, mechanical and electrical labor for installation of burners.		
23 01 50 61-0048 EA 700 MBH Max Input Burner With 2" Boiler Connection, Screwed.....	6,092.03	713.43
23 01 50 61-0049 EA 2,100 MBH Max Input Burner With 2-1/2" Boiler Connection, Screwed.....	8,781.37	883.28
23 01 50 61-0050 EA 2,800 MBH Max Input Burner With 3" Boiler Connection, Screwed.....	10,374.03	1,070.08
23 01 50 61-0051 EA 3,800 MBH Max Input Burner With 4" Boiler Connection, Flanged.....	12,230.13	1,151.37
<b>23 01 50 61-0052 Boiler And Chiller Water Treatment (23 01 50 61)</b>		
Note: 3 LB chemical per 50 gallon system water.		
23 01 50 61-0053 LB Boil Out Boiler And System With Caustic Soda.....	0.95	
Note: Includes disposal after treatment.		
23 01 50 61-0054 LB Boil Out Boiler And System With Trisodium Phosphate.....	1.42	
Note: Includes disposal after treatment.		
23 01 50 61-0055 GAL Corrosion Resistant Chemical Treatment, Based On Gallons Of Chemical Required.....	88.81	
<b>23 01 60 Operation and Maintenance of Central Cooling Equipment (23 01)</b>		
<b>23 01 60 71 Refrigerant Recovery/Recycling (23 01 60)</b>		
<b>23 01 60 71-0001 Refrigerant Recovery, Reclaim And Recycling (23 01 60 71)</b>		
23 01 60 71-0002 LB Recovery Of Refrigerant.....	5.70	
23 01 60 71-0003 LB Recovery And Recharging Of Refrigerant.....	10.68	
Note: Includes cleaning refrigerant gas prior to recharging.		
<b>23 05 Common Work Results For HVAC (23)</b>		
<b>23 05 13 Common Motor Requirements For HVAC Equipment (23 05)</b>		
Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor.		
<b>23 05 13 00-0001 Premium Efficient, Motors (23 05 13)</b>		
Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. Excludes installation.		
<b>23 05 13 00-0002 Premium Efficient, Open Drip Proof Motors (23 05 13 00-0001)</b>		
Note: NEMA premium efficiency, open drip proof, three phase AC motors.		
<b>23 05 13 00-0003 Steel Frame, Premium Efficient, Open Drip Proof Motors (23 05 13 00-0002)</b>		
23 05 13 00-0004 EA 1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	565.46	
23 05 13 00-0005 EA 1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	640.29	
23 05 13 00-0006 EA 1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	750.68	
23 05 13 00-0007 EA 1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	630.47	
23 05 13 00-0008 EA 1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	669.72	
23 05 13 00-0009 EA 1-1/2 HP, 1,200 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	878.25	
23 05 13 00-0010 EA 2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	740.87	
23 05 13 00-0011 EA 2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	717.56	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0012	EA		2 HP, 1,200 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	897.87	
23 05 13 00-0013	EA		3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	750.68	
23 05 13 00-0014	EA		3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	773.98	
23 05 13 00-0015	EA		3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,143.19	
23 05 13 00-0016	EA		5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	819.37	
23 05 13 00-0017	EA		5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	847.58	
23 05 13 00-0018	EA		5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,497.68	
23 05 13 00-0019	EA		7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,300.20	
23 05 13 00-0020	EA		7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,246.23	
23 05 13 00-0021	EA		7-1/2 HP, 1,200 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,795.74	
23 05 13 00-0022	EA		10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,486.64	
23 05 13 00-0023	EA		10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,508.72	
23 05 13 00-0024	EA		10 HP, 1,200 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,336.67	
23 05 13 00-0025	EA		15 HP, 3,600 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,112.21	
23 05 13 00-0026	EA		15 HP, 1,800 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,136.74	
23 05 13 00-0027	EA		15 HP, 1,200 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	3,151.14	
23 05 13 00-0028	EA		20 HP, 3,600 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,481.41	
23 05 13 00-0029	EA		20 HP, 1,800 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,682.57	
23 05 13 00-0030	EA		20 HP, 1,200 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	3,835.58	
23 05 13 00-0031	EA		25 HP, 3,600 RPM, 284TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,979.41	
23 05 13 00-0032	EA		25 HP, 1,800 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	3,270.12	
23 05 13 00-0033	EA		25 HP, 1,200 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	4,632.87	
23 05 13 00-0034	EA		30 HP, 3,600 RPM, 286TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	3,515.44	
23 05 13 00-0035	EA		30 HP, 1,800 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	3,575.54	
23 05 13 00-0036	EA		30 HP, 1,200 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	4,832.80	
23 05 13 00-0037	EA		40 HP, 3,600 RPM, 324TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	4,529.83	
23 05 13 00-0038	EA		40 HP, 1,800 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	4,664.76	
23 05 13 00-0039	EA		50 HP, 3,600 RPM, 326TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	4,933.39	
23 05 13 00-0040	EA		50 HP, 1,800 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	5,148.04	
23 05 13 00-0041	EA		60 HP, 3,600 RPM, 364TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	6,242.17	
23 05 13 00-0042	EA		60 HP, 1,800 RPM, 364T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	6,481.35	
23 05 13 00-0043	EA		75 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	8,188.78	
23 05 13 00-0044	EA		75 HP, 1,800 RPM, 365T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	7,955.73	
23 05 13 00-0045	EA		100 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	8,753.02	
23 05 13 00-0046	EA		100 HP, 1,800 RPM, 404T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	9,255.92	
23 05 13 00-0047	EA		125 HP, 3,600 RPM, 404TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	10,985.43	
23 05 13 00-0048	EA		125 HP, 1,800 RPM, 405T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	11,354.64	
23 05 13 00-0049	EA		150 HP, 3,600 RPM, 405TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	13,551.48	
<b>23 05 13 00-0050 Cast Iron Frame, Premium Efficient, Open Drip Proof Motors (23 05 13 00-0002)</b>					
23 05 13 00-0051	EA		40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	6,884.91	
23 05 13 00-0052	EA		50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	8,334.75	
23 05 13 00-0053	EA		60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	10,581.88	
23 05 13 00-0054	EA		75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	11,781.49	
23 05 13 00-0055	EA		100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	12,967.62	
23 05 13 00-0056	EA		125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	14,004.09	
23 05 13 00-0057	EA		150 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	12,613.13	
23 05 13 00-0058	EA		150 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	16,492.86	
23 05 13 00-0059	EA		200 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	15,357.03	
23 05 13 00-0060	EA		200 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	15,761.81	
23 05 13 00-0061	EA		200 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	21,680.16	
23 05 13 00-0062	EA		250 HP, 3,600 RPM, 445TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	15,661.13	
23 05 13 00-0063	EA		250 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	15,591.93	
23 05 13 00-0064	EA		300 HP, 3,600 RPM, 445TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	24,479.17	
23 05 13 00-0065	EA		300 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	23,810.87	
23 05 13 00-0066	EA		350 HP, 3,600 RPM, 449TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	28,013.81	
23 05 13 00-0067	EA		350 HP, 1,800 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	27,678.12	
23 05 13 00-0068	EA		400 HP, 3,600 RPM, 449TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	32,866.48	
23 05 13 00-0069	EA		400 HP, 1,800 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	30,039.37	
23 05 13 00-0070	EA		450 HP, 3,600 RPM, 449TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	36,191.45	
23 05 13 00-0071	EA		450 HP, 1,800 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor.....	33,972.74	
<b>23 05 13 00-0072 Premium Efficient, TEFC Motors (23 05 13 00-0001)</b>					
Note: NEMA premium efficiency, totally enclosed fan cooled, three phase AC motors.					
<b>23 05 13 00-0073 Steel Frame, Premium Efficient, TEFC Motors (23 05 13 00-0072)</b>					
23 05 13 00-0074	EA		1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, TEFC Motor.....	661.14	
23 05 13 00-0075	EA		1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	728.60	
23 05 13 00-0076	EA		1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	867.21	
23 05 13 00-0077	EA		1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	749.45	
23 05 13 00-0078	EA		1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	756.81	
23 05 13 00-0079	EA		2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	820.60	
23 05 13 00-0080	EA		2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	785.02	
23 05 13 00-0081	EA		3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	910.14	
23 05 13 00-0082	EA		3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	867.21	
23 05 13 00-0083	EA		3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,392.19	
23 05 13 00-0084	EA		5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,009.49	
23 05 13 00-0085	EA		5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	949.39	
23 05 13 00-0086	EA		5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,572.50	



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 13 Common Motor Requirements For HVAC Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 05 13 00-0087	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,512.40	
23 05 13 00-0088	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,368.89	
23 05 13 00-0089	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,533.25	
23 05 13 00-0090	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor.....	1,545.52	

**23 05 13 00-0091 Cast Iron Frame, Premium Efficient, TEFC Motors** (23 05 13 00-0072)

23 05 13 00-0092	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	943.26	
23 05 13 00-0093	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,056.10	
23 05 13 00-0094	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	996.00	
23 05 13 00-0095	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	977.60	
23 05 13 00-0096	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,257.26	
23 05 13 00-0097	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,047.52	
23 05 13 00-0098	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,024.21	
23 05 13 00-0099	EA	2 HP, 1,200 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,276.89	
23 05 13 00-0100	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,130.93	
23 05 13 00-0101	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,162.82	
23 05 13 00-0102	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,590.90	
23 05 13 00-0103	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,392.19	
23 05 13 00-0104	EA	5 HP, 1,800 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,164.04	
23 05 13 00-0105	EA	5 HP, 1,200 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,846.03	
23 05 13 00-0106	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,611.75	
23 05 13 00-0107	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,552.88	
23 05 13 00-0108	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	2,632.28	
23 05 13 00-0109	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,888.96	
23 05 13 00-0110	EA	10 HP, 1,800 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	1,741.77	
23 05 13 00-0111	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	3,005.17	
23 05 13 00-0112	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	2,602.85	
23 05 13 00-0113	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	2,382.06	
23 05 13 00-0114	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	4,008.53	
23 05 13 00-0115	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	2,856.75	
23 05 13 00-0116	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	2,888.64	
23 05 13 00-0117	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	5,336.94	
23 05 13 00-0118	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	3,727.64	
23 05 13 00-0119	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	3,777.93	
23 05 13 00-0120	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	6,038.55	
23 05 13 00-0121	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	4,429.25	
23 05 13 00-0122	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	4,482.00	
23 05 13 00-0123	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	6,975.67	
23 05 13 00-0124	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	6,071.67	
23 05 13 00-0125	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	5,860.69	
23 05 13 00-0126	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	8,692.91	
23 05 13 00-0127	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	6,642.04	
23 05 13 00-0128	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	6,405.31	
23 05 13 00-0129	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	10,504.60	
23 05 13 00-0130	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	9,330.75	
23 05 13 00-0131	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	9,216.67	
23 05 13 00-0132	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	12,750.51	
23 05 13 00-0133	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	10,855.41	
23 05 13 00-0134	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	10,776.91	
23 05 13 00-0135	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	14,847.99	
23 05 13 00-0136	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	13,383.43	
23 05 13 00-0137	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	16,568.91	
23 05 13 00-0138	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	19,058.91	
23 05 13 00-0139	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	23,953.04	

**23 05 13 00-0140 Premium Efficient, Severe Duty Motors** (23 05 13 00-0001)

Note: NEMA premium efficiency, TEFC enclosure severe duty, three phase AC motors.

23 05 13 00-0141	EA	1 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	980.05	
23 05 13 00-0142	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	1,076.95	
23 05 13 00-0143	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	1,189.80	
23 05 13 00-0144	EA	1 HP, 900 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	1,671.86	
23 05 13 00-0145	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	1,114.98	
23 05 13 00-0146	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	1,097.81	
23 05 13 00-0147	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	1,392.19	
23 05 13 00-0148	EA	1-1/2 HP, 900 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	2,080.31	
23 05 13 00-0149	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	1,166.50	
23 05 13 00-0150	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	1,145.64	
23 05 13 00-0151	EA	2 HP, 1,200 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	1,410.59	
23 05 13 00-0152	EA	2 HP, 900 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	2,623.70	
23 05 13 00-0153	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	1,379.92	
23 05 13 00-0154	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	1,449.84	
23 05 13 00-0155	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	2,036.16	
23 05 13 00-0156	EA	3 HP, 900 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	2,845.71	
23 05 13 00-0157	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	1,697.61	
23 05 13 00-0158	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	1,475.60	
23 05 13 00-0159	EA	5 HP, 1,200 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	2,063.14	
23 05 13 00-0160	EA	5 HP, 900 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	4,529.83	
23 05 13 00-0161	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	2,215.24	
23 05 13 00-0162	EA	7-1/2 HP, 1,800 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	1,858.30	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0163	EA		7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,952.43	
23 05 13 00-0164	EA		7-1/2 HP, 900 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	5,179.93	
23 05 13 00-0165	EA		10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,358.75	
23 05 13 00-0166	EA		10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,225.05	
23 05 13 00-0167	EA		10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	3,835.58	
23 05 13 00-0168	EA		10 HP, 900 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	6,042.23	
23 05 13 00-0169	EA		15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	3,017.44	
23 05 13 00-0170	EA		15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	2,834.67	
23 05 13 00-0171	EA		15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	4,397.36	
23 05 13 00-0172	EA		15 HP, 900 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	8,066.12	
23 05 13 00-0173	EA		20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	3,520.34	
23 05 13 00-0174	EA		20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	3,040.74	
23 05 13 00-0175	EA		20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	5,974.77	
23 05 13 00-0176	EA		20 HP, 900 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	9,195.82	
23 05 13 00-0177	EA		25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	4,230.54	
23 05 13 00-0178	EA		25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	3,979.09	
23 05 13 00-0179	EA		25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	6,243.39	
23 05 13 00-0180	EA		30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	5,157.85	
23 05 13 00-0181	EA		30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	4,724.86	
23 05 13 00-0182	EA		30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	8,048.95	
23 05 13 00-0183	EA		40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	7,086.07	
23 05 13 00-0184	EA		40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	6,182.06	
23 05 13 00-0185	EA		40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	10,032.36	
23 05 13 00-0186	EA		50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	7,425.84	
23 05 13 00-0187	EA		50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	7,256.57	
23 05 13 00-0188	EA		50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	10,686.14	
23 05 13 00-0189	EA		60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	10,776.91	
23 05 13 00-0190	EA		60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	9,725.71	
23 05 13 00-0191	EA		60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	14,596.54	
23 05 13 00-0192	EA		75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	12,047.67	
23 05 13 00-0193	EA		75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	11,364.45	
23 05 13 00-0194	EA		75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	17,764.85	
23 05 13 00-0195	EA		100 HP, 3,600 RPM, 405TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	15,143.60	
23 05 13 00-0196	EA		100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	14,917.91	
23 05 13 00-0197	EA		100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	19,539.74	
23 05 13 00-0198	EA		125 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	17,794.29	
23 05 13 00-0199	EA		125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	17,636.05	
23 05 13 00-0200	EA		125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	22,073.89	
23 05 13 00-0201	EA		150 HP, 3,600 RPM, 445TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	20,860.79	
23 05 13 00-0202	EA		150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	20,660.85	
23 05 13 00-0203	EA		150 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	24,887.71	
23 05 13 00-0204	EA		200 HP, 3,600 RPM, 447TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	24,702.50	
23 05 13 00-0205	EA		200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	24,854.60	
23 05 13 00-0206	EA		200 HP, 1,200 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	32,600.57	
23 05 13 00-0207	EA		250 HP, 3,600 RPM, 449TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	37,763.56	
23 05 13 00-0208	EA		250 HP, 1,800 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	31,531.95	
23 05 13 00-0209	EA		250 HP, 1,200 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	45,467.07	
23 05 13 00-0210	EA		300 HP, 3,600 RPM, 449TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	55,192.01	
23 05 13 00-0211	EA		300 HP, 1,800 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	43,240.11	
23 05 13 00-0212	EA		300 HP, 1,200 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	45,917.42	
23 05 13 00-0213	EA		350 HP, 3,600 RPM, 449TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	66,246.31	
23 05 13 00-0214	EA		350 HP, 1,800 RPM, L449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	52,150.05	
23 05 13 00-0215	EA		350 HP, 1,200 RPM, 5010 NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	87,842.60	
23 05 13 00-0216	EA		400 HP, 3,600 RPM, 449TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	77,504.11	
23 05 13 00-0217	EA		400 HP, 1,800 RPM, L449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	65,135.93	
23 05 13 00-0218	EA		400 HP, 1,200 RPM, 5012 NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	95,005.90	
23 05 13 00-0219	EA		450 HP, 3,600 RPM, 5010 NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	85,993.68	
23 05 13 00-0220	EA		450 HP, 1,800 RPM, 5010 NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	79,224.95	
23 05 13 00-0221	EA		450 HP, 1,200 RPM, 5012 NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	100,106.46	
23 05 13 00-0222	EA		500 HP, 3,600 RPM, 5010 NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	88,052.29	
23 05 13 00-0223	EA		500 HP, 1,800 RPM, 5010 NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	83,426.87	
23 05 13 00-0224	EA		500 HP, 1,200 RPM, 5012 NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	104,939.49	
23 05 13 00-0225	EA		600 HP, 3,600 RPM, 5010 NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	92,650.85	
23 05 13 00-0226	EA		600 HP, 1,800 RPM, 5012 NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	87,706.25	
23 05 13 00-0227	EA		600 HP, 1,200 RPM, 5012 NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	125,245.66	
23 05 13 00-0228	EA		700 HP, 3,600 RPM, 5810 NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	124,236.50	
23 05 13 00-0229	EA		700 HP, 1,800 RPM, 5012 NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	91,693.33	
23 05 13 00-0230	EA		700 HP, 1,200 RPM, 5810 NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	144,686.25	
23 05 13 00-0231	EA		800 HP, 3,600 RPM, 5810 NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	132,752.93	
23 05 13 00-0232	EA		800 HP, 1,800 RPM, 5012 NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	97,430.16	
23 05 13 00-0233	EA		800 HP, 1,200 RPM, 5810 NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor.....	189,906.44	

23 05 13 00-0234

Premium Efficient, Explosion Proof Motors (23 05 13 00-0001)

Note: NEMA premium efficiency, explosion proof, three phase AC motors.

23 05 13 00-0235	EA		1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	1,307.56	
23 05 13 00-0236	EA		1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	1,354.17	
23 05 13 00-0237	EA		2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	1,476.83	
23 05 13 00-0238	EA		3 HP, 1,800 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	1,825.18	
23 05 13 00-0239	EA		5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	2,023.89	
23 05 13 00-0240	EA		7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	2,789.29	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 13 Common Motor Requirements For HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0241	EA		10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	2,846.94	
23 05 13 00-0242	EA		15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	3,853.98	
23 05 13 00-0243	EA		20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	4,393.68	
23 05 13 00-0244	EA		25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	5,772.38	
23 05 13 00-0245	EA		30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	6,478.90	
23 05 13 00-0246	EA		40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	8,472.13	
23 05 13 00-0247	EA		50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	9,541.72	
23 05 13 00-0248	EA		60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	13,347.86	
23 05 13 00-0249	EA		75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	15,669.82	
23 05 13 00-0250	EA		100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	19,088.35	
23 05 13 00-0251	EA		125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	24,949.04	
23 05 13 00-0252	EA		150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	28,466.93	

**23 05 13 00-0253****Motor Mounting** (23 05 13)

Note: Includes handling and motor installation on mounting base. Excludes mounting base.

23 05 13 00-0254	EA		1/2 HP Motor Mounting.....	115.37	58.70
23 05 13 00-0255	EA		3/4 HP Motor Mounting.....	132.93	73.38
23 05 13 00-0256	EA		1 HP Motor Mounting.....	142.21	73.38
23 05 13 00-0257	EA		1-1/2 HP Motor Mounting.....	152.87	73.38
23 05 13 00-0258	EA		2 HP Motor Mounting.....	165.27	88.05
23 05 13 00-0259	EA		3 HP Motor Mounting.....	191.08	88.05
23 05 13 00-0260	EA		5 HP Motor Mounting.....	226.47	146.75
23 05 13 00-0261	EA		7-1/2 HP Motor Mounting.....	291.19	146.75
23 05 13 00-0262	EA		10 HP Motor Mounting.....	382.18	256.82
23 05 13 00-0263	EA		15 HP Motor Mounting.....	470.37	256.82
23 05 13 00-0264	EA		20 HP Motor Mounting.....	555.90	366.89
23 05 13 00-0265	EA		25 HP Motor Mounting.....	630.39	366.89
23 05 13 00-0266	EA		30 HP Motor Mounting.....	764.35	366.89
23 05 13 00-0267	EA		40 HP Motor Mounting.....	861.24	550.33
23 05 13 00-0268	EA		50 HP Motor Mounting.....	955.44	550.33
23 05 13 00-0269	EA		75 HP Motor Mounting.....	1,153.74	807.15
23 05 13 00-0270	EA		100 HP Motor Mounting.....	1,389.73	807.15
23 05 13 00-0271	EA		125 HP Motor Mounting.....	1,698.55	1,100.66
23 05 13 00-0272	EA		150 HP Motor Mounting.....	1,972.52	1,100.66
23 05 13 00-0273	EA		200 HP Motor Mounting.....	2,264.74	1,320.80
23 05 13 00-0274	EA		250 HP Motor Mounting.....	2,494.84	1,467.55
23 05 13 00-0275	EA		300 HP Motor Mounting.....	2,714.97	1,614.31
23 05 13 00-0276	EA		350 HP Motor Mounting.....	2,935.11	1,761.06
23 05 13 00-0277	EA		400 HP Motor Mounting.....	3,155.24	1,907.82
23 05 13 00-0278	EA		500 HP Motor Mounting.....	3,448.75	2,054.57
23 05 13 00-0279	EA		600 HP Motor Mounting.....	3,742.26	2,238.02
23 05 13 00-0280	EA		700 HP Motor Mounting.....	4,035.77	2,421.46
23 05 13 00-0281	EA		800 HP Motor Mounting.....	4,402.66	2,641.60

**23 05 16 Expansion Fittings And Loops For HVAC Piping** (23 05)**23 05 16 00-0001** **Stainless Steel Bellows Type Expansion Joints** (23 05 16)

Note: Includes internal sleeves and external covers.

**23 05 16 00-0002** **Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joints** (23 05 16 00-0001)

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0003	EA		1/2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	141.09	58.61
			<i>For 300 LB Rating, Add</i>	5.95	
23 05 16 00-0004	EA		3/4" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	158.19	66.10
			<i>For 300 LB Rating, Add</i>	6.52	
23 05 16 00-0005	EA		1" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	185.48	75.77
			<i>For 300 LB Rating, Add</i>	8.50	
23 05 16 00-0006	EA		1-1/4" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	209.75	84.57
			<i>For 300 LB Rating, Add</i>	10.20	
23 05 16 00-0007	EA		1-1/2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	227.08	90.89
			<i>For 300 LB Rating, Add</i>	11.33	
23 05 16 00-0008	EA		2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	261.44	106.95
			<i>For 300 LB Rating, Add</i>	11.90	

**23 05 16 00-0009** **Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joints** (23 05 16 00-0001)

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0010	EA		1-1/4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	618.28	58.58
			<i>For 300 LB Rating, Add</i>	136.38	
23 05 16 00-0011	EA		1-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	669.27	70.30
			<i>For 300 LB Rating, Add</i>	145.30	
23 05 16 00-0012	EA		2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	692.87	89.24
			<i>For 300 LB Rating, Add</i>	145.32	
23 05 16 00-0013	EA		2-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	746.08	97.07
			<i>For 300 LB Rating, Add</i>	156.09	
23 05 16 00-0014	EA		3" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	817.13	113.81
			<i>For 300 LB Rating, Add</i>	168.67	
23 05 16 00-0015	EA		4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	966.85	190.80
			<i>For 300 LB Rating, Add</i>	181.94	
23 05 16 00-0016	EA		5" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,323.89	191.35
			<i>For 300 LB Rating, Add</i>	271.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0017 EA 6" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	1,195.99 232.32	212.61
23 05 16 00-0018 EA 8" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	1,541.98 301.13	271.67
23 05 16 00-0019 EA 10" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	1,971.50 389.53	330.72
23 05 16 00-0020 EA 12" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	2,615.11 528.35	250.52
23 05 16 00-0021 EA 14" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	3,360.12 692.39	472.47
23 05 16 00-0022 EA 16" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	4,414.48 941.21	519.71
23 05 16 00-0023 EA 18" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	7,685.63 1,741.28	576.40
23 05 16 00-0024 EA 20" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	8,840.26 2,007.05	649.64
23 05 16 00-0025 EA 24" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	10,271.20 2,318.65	797.28
23 05 16 00-0026 EA 30" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	12,988.23 2,841.04	1,299.27
23 05 16 00-0027 EA 36" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	16,535.59 3,592.53	1,732.36
<b>23 05 16 00-0028 Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joints</b> <small>(23 05 16 00-0001)</small> Note: Carbon steel ends. Includes internal sleeves and external covers.		
23 05 16 00-0029 EA 1-1/4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	598.77 109.54	80.34
23 05 16 00-0030 EA 1-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	628.83 116.70	81.00
23 05 16 00-0031 EA 2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	634.41 116.72	83.69
23 05 16 00-0032 EA 2-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	684.18 125.37	91.25
23 05 16 00-0033 EA 3" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	757.86 135.75	107.32
23 05 16 00-0034 EA 4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	1,011.49 146.13	213.69
23 05 16 00-0035 EA 5" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	1,270.55 217.88	200.03
23 05 16 00-0036 EA 6" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	1,189.00 186.60	221.47
23 05 16 00-0037 EA 8" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	1,472.84 241.86	253.07
23 05 16 00-0038 EA 10" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	1,870.32 312.86	310.06
23 05 16 00-0039 EA 12" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	2,449.10 424.37	375.85
23 05 16 00-0040 EA 14" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	3,076.18 577.65	382.70
23 05 16 00-0041 EA 16" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint..... <i>For 300 LB Rating, Add</i>	4,097.93 785.25	478.37
<b>23 05 16 00-0042 Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joints</b> <small>(23 05 16)</small>		
<b>23 05 16 00-0043 Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joints</b> <small>(23 05 16 00-0042)</small>		
23 05 16 00-0044 EA 2" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	462.49	89.24
23 05 16 00-0045 EA 2-1/2" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	498.63	97.07
23 05 16 00-0046 EA 3" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	549.74	113.81
23 05 16 00-0047 EA 4" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	678.42	190.80
23 05 16 00-0048 EA 5" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	893.84	191.35
23 05 16 00-0049 EA 6" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	827.70	212.61
23 05 16 00-0050 EA 8" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	1,064.60	271.67
23 05 16 00-0051 EA 10" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	1,353.98	330.72
23 05 16 00-0052 EA 12" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	1,777.51	250.82
23 05 16 00-0053 EA 14" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	2,262.47	472.47
23 05 16 00-0054 EA 16" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	2,922.36	519.71
23 05 16 00-0055 EA 18" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	3,816.14	576.40
23 05 16 00-0056 EA 20" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	4,445.17	649.64
23 05 16 00-0057 EA 24" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	5,118.68	797.28
23 05 16 00-0058 EA 30" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	6,674.86	1,299.27
23 05 16 00-0059 EA 36" Flanged, 150 LB, Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint.....	8,552.24	1,732.36
<b>23 05 16 00-0060 Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joints</b> <small>(23 05 16)</small>		
<b>23 05 16 00-0061 Flanged, 150 LB, Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joints</b> <small>(23 05 16 00-0060)</small>		
23 05 16 00-0062 EA 2" Flanged, 150 LB, Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	726.33	89.24

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 16 Expansion Fittings And Loops For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0063 EA 2-1/2" Flanged, 150 LB, Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	782.03	97.07
23 05 16 00-0064 EA 3" Flanged, 150 LB, Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	855.97	113.81
23 05 16 00-0065 EA 4" Flanged, 150 LB, Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	1,008.75	190.80
23 05 16 00-0066 EA 5" Flanged, 150 LB, Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	1,386.36	191.35
23 05 16 00-0067 EA 6" Flanged, 150 LB, Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	1,249.50	212.61
23 05 16 00-0068 EA 8" Flanged, 150 LB, Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	1,611.33	271.67
23 05 16 00-0069 EA 10" Flanged, 150 LB, Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	2,061.21	330.72
23 05 16 00-0070 EA 12" Flanged, 150 LB, Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	2,736.78	250.82
23 05 16 00-0071 EA 14" Flanged, 150 LB, Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	3,519.57	472.47
23 05 16 00-0072 EA 16" Flanged, 150 LB, Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	4,631.23	519.71
23 05 16 00-0073 EA 18" Flanged, 150 LB, Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	6,143.76	576.40
23 05 16 00-0074 EA 20" Flanged, 150 LB, Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	7,176.92	649.64
23 05 16 00-0075 EA 24" Flanged, 150 LB, Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	8,218.09	797.28
23 05 16 00-0076 EA 30" Flanged, 150 LB, Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	10,472.55	1,299.27
23 05 16 00-0077 EA 36" Flanged, 150 LB, Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint.....	13,354.48	1,732.36
<b>23 05 16 00-0078 Neoprene Bellows Type Expansion Joints (23 05 16)</b>		
<b>23 05 16 00-0079 Flanged, 150 LB, Neoprene Bellows Type Expansion Joints (23 05 16 00-0078)</b>		
Note: Cast iron ends.		
23 05 16 00-0080 EA 2" Flanged, 150 LB, Neoprene Bellows Type Expansion Joint.....	409.36	89.24
23 05 16 00-0081 EA 2-1/2" Flanged, 150 LB, Neoprene Bellows Type Expansion Joint.....	436.05	97.07
23 05 16 00-0082 EA 3" Flanged, 150 LB, Neoprene Bellows Type Expansion Joint.....	460.91	113.81
23 05 16 00-0083 EA 4" Flanged, 150 LB, Neoprene Bellows Type Expansion Joint.....	594.78	190.80
23 05 16 00-0084 EA 5" Flanged, 150 LB, Neoprene Bellows Type Expansion Joint.....	673.08	191.35
23 05 16 00-0085 EA 6" Flanged, 150 LB, Neoprene Bellows Type Expansion Joint.....	707.87	212.61
23 05 16 00-0086 EA 8" Flanged, 150 LB, Neoprene Bellows Type Expansion Joint.....	861.34	271.67
23 05 16 00-0087 EA 10" Flanged, 150 LB, Neoprene Bellows Type Expansion Joint.....	978.63	330.72
23 05 16 00-0088 EA 12" Flanged, 150 LB, Neoprene Bellows Type Expansion Joint.....	1,108.29	250.70
23 05 16 00-0089 EA 14" Flanged, 150 LB, Neoprene Bellows Type Expansion Joint.....	1,397.06	472.47
23 05 16 00-0090 EA 16" Flanged, 150 LB, Neoprene Bellows Type Expansion Joint.....	1,745.63	519.71
23 05 16 00-0091 EA 18" Flanged, 150 LB, Neoprene Bellows Type Expansion Joint.....	2,209.40	576.40
23 05 16 00-0092 EA 20" Flanged, 150 LB, Neoprene Bellows Type Expansion Joint.....	2,569.77	649.64
23 05 16 00-0093 EA 24" Flanged, 150 LB, Neoprene Bellows Type Expansion Joint.....	2,988.68	797.28
23 05 16 00-0094 EA 30" Flanged, 150 LB, Neoprene Bellows Type Expansion Joint.....	4,057.32	1,299.27
23 05 16 00-0095 EA 36" Flanged, 150 LB, Neoprene Bellows Type Expansion Joint.....	5,246.63	1,732.36
<b>23 05 16 00-0096 Tube And Cover Expansion Joints (23 05 16)</b>		
Note: Carbon steel split backup rings.		
<b>23 05 16 00-0097 Flanged, 150 LB, Tube And Cover Expansion Joints (23 05 16 00-0096)</b>		
<b>23 05 16 00-0098 Flanged, 150 LB, Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joints (23 05 16 00-0097)</b>		
23 05 16 00-0099 EA 1" x 6" Flanged, 150 LB, Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451).....	263.34	50.22
23 05 16 00-0100 EA 1-1/4" x 6" Flanged, 150 LB, Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451).....	248.72	58.58
23 05 16 00-0101 EA 1-1/2" x 6" Flanged, 150 LB, Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451).....	296.63	70.30
23 05 16 00-0102 EA 2" x 6" Flanged, 150 LB, Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451).....	346.18	89.24
23 05 16 00-0103 EA 2-1/2" x 6" Flanged, 150 LB, Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451).....	388.92	97.07
23 05 16 00-0104 EA 3" x 6" Flanged, 150 LB, Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451).....	441.45	123.61
23 05 16 00-0105 EA 4" x 6" Flanged, 150 LB, Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451).....	592.04	207.22
23 05 16 00-0106 EA 5" x 6" Flanged, 150 LB, Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451).....	658.97	235.58
23 05 16 00-0107 EA 6" x 6" Flanged, 150 LB, Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451).....	703.35	212.61
23 05 16 00-0108 EA 8" x 6" Flanged, 150 LB, Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451).....	908.15	241.68
23 05 16 00-0109 EA 10" x 8" Flanged, 150 LB, Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451).....	1,345.30	330.72
23 05 16 00-0110 EA 12" x 8" Flanged, 150 LB, Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451).....	1,700.19	401.59
23 05 16 00-0111 EA 14" x 8" Flanged, 150 LB, Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451).....	1,906.97	472.47
23 05 16 00-0112 EA 16" x 8" Flanged, 150 LB, Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451).....	2,128.95	519.71
23 05 16 00-0113 EA 18" x 8" Flanged, 150 LB, Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451).....	2,317.13	576.40
23 05 16 00-0114 EA 20" x 8" Flanged, 150 LB, Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451).....	2,780.12	649.64
23 05 16 00-0115 EA 24" x 10" Flanged, 150 LB, Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451).....	3,375.23	797.28
23 05 16 00-0116 EA 30" x 10" Flanged, 150 LB, Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451).....	4,843.39	1,299.27



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0117	EA			36" x 10" Flanged, 150 LB, Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451) .....	5,827.90	1,732.36
<b>23 05 16 00-0118</b>				<b>Flanged, 150 LB, Rubber Tube And Cover Expansion Joints (23 05 16 00-0097)</b>		
23 05 16 00-0119	EA			1" x 6" Flanged, 150 LB, Rubber Tube And Cover Expansion Joint (Mercer 451) .....	250.31	50.22
23 05 16 00-0120	EA			1-1/4" x 6" Flanged, 150 LB, Rubber Tube And Cover Expansion Joint (Mercer 451) .....	235.69	58.58
23 05 16 00-0121	EA			1-1/2" x 6" Flanged, 150 LB, Rubber Tube And Cover Expansion Joint (Mercer 451) .....	283.59	70.30
23 05 16 00-0122	EA			2" x 6" Flanged, 150 LB, Rubber Tube And Cover Expansion Joint (Mercer 451) .....	333.15	89.24
23 05 16 00-0123	EA			2-1/2" x 6" Flanged, 150 LB, Rubber Tube And Cover Expansion Joint (Mercer 451) .....	375.89	97.07
23 05 16 00-0124	EA			3" x 6" Flanged, 150 LB, Rubber Tube And Cover Expansion Joint (Mercer 451) .....	428.42	123.61
23 05 16 00-0125	EA			4" x 6" Flanged, 150 LB, Rubber Tube And Cover Expansion Joint (Mercer 451) .....	572.49	207.22
23 05 16 00-0126	EA			5" x 6" Flanged, 150 LB, Rubber Tube And Cover Expansion Joint (Mercer 451) .....	639.42	235.58
23 05 16 00-0127	EA			6" x 6" Flanged, 150 LB, Rubber Tube And Cover Expansion Joint (Mercer 451) .....	683.80	212.61
23 05 16 00-0128	EA			8" x 6" Flanged, 150 LB, Rubber Tube And Cover Expansion Joint (Mercer 451) .....	910.95	271.67
23 05 16 00-0129	EA			10" x 8" Flanged, 150 LB, Rubber Tube And Cover Expansion Joint (Mercer 451) .....	1,273.62	330.72
23 05 16 00-0130	EA			12" x 8" Flanged, 150 LB, Rubber Tube And Cover Expansion Joint (Mercer 451) .....	1,635.02	401.59
23 05 16 00-0131	EA			14" x 8" Flanged, 150 LB, Rubber Tube And Cover Expansion Joint (Mercer 451) .....	1,835.29	472.47
23 05 16 00-0132	EA			16" x 8" Flanged, 150 LB, Rubber Tube And Cover Expansion Joint (Mercer 451) .....	2,057.27	519.71
23 05 16 00-0133	EA			18" x 8" Flanged, 150 LB, Rubber Tube And Cover Expansion Joint (Mercer 451) .....	2,238.92	576.40
23 05 16 00-0134	EA			20" x 8" Flanged, 150 LB, Rubber Tube And Cover Expansion Joint (Mercer 451) .....	2,688.89	649.64
23 05 16 00-0135	EA			24" x 10" Flanged, 150 LB, Rubber Tube And Cover Expansion Joint (Mercer 451) .....	3,264.45	797.28
23 05 16 00-0136	EA			30" x 10" Flanged, 150 LB, Rubber Tube And Cover Expansion Joint (Mercer 451) .....	4,524.07	1,299.27
23 05 16 00-0137	EA			36" x 10" Flanged, 150 LB, Rubber Tube And Cover Expansion Joint (Mercer 451) .....	5,645.43	1,732.36
<b>23 05 16 00-0138</b>				<b>Flanged, 125 LB, Buna-N Tube And Cover Expansion Joints (23 05 16 00-0097)</b>		
23 05 16 00-0139	EA			2" x 6" Flanged, 125 LB, Buna-N Tube And Cover Expansion Joint (Mercer 451) .....	339.67	89.24
23 05 16 00-0140	EA			3" x 6" Flanged, 125 LB, Buna-N Tube And Cover Expansion Joint (Mercer 451) .....	423.53	123.61
23 05 16 00-0141	EA			4" x 6" Flanged, 125 LB, Buna-N Tube And Cover Expansion Joint (Mercer 451) .....	565.97	207.22
23 05 16 00-0142	EA			6" x 6" Flanged, 125 LB, Buna-N Tube And Cover Expansion Joint (Mercer 451) .....	628.40	212.61
23 05 16 00-0143	EA			8" x 6" Flanged, 125 LB, Buna-N Tube And Cover Expansion Joint (Mercer 451) .....	780.61	271.67
23 05 16 00-0144	EA			10" x 8" Flanged, 125 LB, Buna-N Tube And Cover Expansion Joint (Mercer 451) .....	967.33	330.72
23 05 16 00-0145	EA			12" x 8" Flanged, 125 LB, Buna-N Tube And Cover Expansion Joint (Mercer 451) .....	1,156.04	401.59
<b>23 05 16 00-0146</b>				<b>Flanged, Tube And Cover Expansion Joints (Mercer 501) (23 05 16 00-0096)</b>		
<b>23 05 16 00-0147</b>				<b>Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joints (501EE) (23 05 16 00-0146)</b>		
23 05 16 00-0148	EA			1-1/2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE) .....	492.13	70.30
23 05 16 00-0149	EA			2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE) .....	548.21	89.24
23 05 16 00-0150	EA			2-1/2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE) .....	571.39	97.07
23 05 16 00-0151	EA			3" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE) .....	649.99	123.61
23 05 16 00-0152	EA			4" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE) .....	833.16	207.22
23 05 16 00-0153	EA			5" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE) .....	919.64	235.58
23 05 16 00-0154	EA			6" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE) .....	950.98	212.61
23 05 16 00-0155	EA			8" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE) .....	1,269.37	271.67
23 05 16 00-0156	EA			10" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE) .....	1,566.87	330.72
23 05 16 00-0157	EA			12" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE) .....	1,810.98	401.59
23 05 16 00-0158	EA			14" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE) .....	2,076.41	472.47
23 05 16 00-0159	EA			16" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE) .....	2,265.81	519.71
23 05 16 00-0160	EA			18" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE) .....	2,480.05	576.40
23 05 16 00-0161	EA			20" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE) .....	2,910.46	649.64
23 05 16 00-0162	EA			24" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE) .....	3,570.74	797.28
23 05 16 00-0163	EA			30" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE) .....	5,162.71	1,299.27
23 05 16 00-0164	EA			36" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE) .....	6,414.41	1,732.36
23 05 16 00-0165	EA			42" x 12" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE) .....	8,409.50	2,598.55
23 05 16 00-0166	EA			48" x 12" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE) .....	9,984.00	3,248.19
23 05 16 00-0167	EA			60" x 12" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE) .....	13,334.53	4,677.38
<b>23 05 16 00-0168</b>				<b>Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 501RR) (23 05 16 00-0146)</b>		
23 05 16 00-0169	EA			1-1/2" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR) .....	466.06	70.30
23 05 16 00-0170	EA			2" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR) .....	515.62	89.24
23 05 16 00-0171	EA			2-1/2" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR) .....	538.81	97.07
23 05 16 00-0172	EA			3" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR) .....	610.89	123.61
23 05 16 00-0173	EA			4" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR) .....	787.54	207.22
23 05 16 00-0174	EA			5" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR) .....	874.03	235.58
23 05 16 00-0175	EA			6" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR) .....	898.85	212.61
23 05 16 00-0176	EA			8" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR) .....	1,197.69	271.67
23 05 16 00-0177	EA			10" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR) .....	1,482.16	330.72

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 16 Expansion Fittings And Loops For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0178 EA 12" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR).....	1,713.22	401.59
23 05 16 00-0179 EA 14" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR).....	1,965.62	472.47
23 05 16 00-0180 EA 16" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR).....	2,148.50	519.71
23 05 16 00-0181 EA 18" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR).....	2,343.19	576.40
23 05 16 00-0182 EA 20" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR).....	2,754.06	649.64
23 05 16 00-0183 EA 24" x 10" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR).....	3,381.75	797.28
23 05 16 00-0184 EA 30" x 10" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR).....	4,895.52	1,299.27
23 05 16 00-0185 EA 36" x 10" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR).....	6,095.09	1,732.36
<b>23 05 16 00-0186 Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501) <small>(23 05 16 00-0146)</small></b>		
Note: 501BB, 501NN or 501NiNi.		
23 05 16 00-0187 EA 1-1/2" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501).....	492.13	70.30
23 05 16 00-0188 EA 2" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501).....	554.72	89.24
23 05 16 00-0189 EA 2-1/2" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501).....	571.39	97.07
23 05 16 00-0190 EA 3" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501).....	649.99	123.61
23 05 16 00-0191 EA 4" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501).....	833.16	207.22
23 05 16 00-0192 EA 5" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501).....	919.64	235.58
23 05 16 00-0193 EA 6" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501).....	957.50	212.61
23 05 16 00-0194 EA 8" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501).....	1,269.37	271.67
23 05 16 00-0195 EA 10" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501).....	1,566.87	330.72
23 05 16 00-0196 EA 12" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501).....	1,810.98	401.59
23 05 16 00-0197 EA 14" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501).....	2,076.41	472.47
23 05 16 00-0198 EA 16" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501).....	2,265.81	519.71
23 05 16 00-0199 EA 18" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501).....	2,480.05	576.40
23 05 16 00-0200 EA 20" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501).....	2,910.46	649.64
23 05 16 00-0201 EA 24" x 10" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501).....	3,570.74	797.28
23 05 16 00-0202 EA 30" x 10" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501).....	5,162.71	1,299.27
23 05 16 00-0203 EA 36" x 10" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501).....	6,414.41	1,732.36
<b>23 05 16 00-0204 Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joints (Mercer 501NNFA) <small>(23 05 16 00-0146)</small></b>		
23 05 16 00-0205 EA 1-1/2" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA).....	511.68	70.30
23 05 16 00-0206 EA 2" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA).....	567.76	89.24
23 05 16 00-0207 EA 2-1/2" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA).....	590.94	97.07
23 05 16 00-0208 EA 3" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA).....	676.05	123.61
23 05 16 00-0209 EA 4" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA).....	865.74	207.22
23 05 16 00-0210 EA 5" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA).....	952.23	235.58
23 05 16 00-0211 EA 6" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA).....	990.08	212.61
23 05 16 00-0212 EA 8" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA).....	1,314.99	271.67
23 05 16 00-0213 EA 10" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA).....	1,625.52	330.72
23 05 16 00-0214 EA 12" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA).....	1,882.66	401.59
23 05 16 00-0215 EA 14" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA).....	2,148.10	472.47
23 05 16 00-0216 EA 16" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA).....	2,350.52	519.71
23 05 16 00-0217 EA 18" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA).....	2,564.76	576.40
23 05 16 00-0218 EA 20" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA).....	3,014.73	649.64
23 05 16 00-0219 EA 24" x 10" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA).....	3,707.59	797.28
<b>23 05 16 00-0220 Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E) <small>(23 05 16 00-0146)</small></b>		
Note: Kevlar reinforcement for high temperature.		
23 05 16 00-0221 EA 1-1/2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	635.50	70.30
23 05 16 00-0222 EA 2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	672.02	89.24
23 05 16 00-0223 EA 2-1/2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	727.79	97.07
23 05 16 00-0224 EA 3" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	786.84	123.61
23 05 16 00-0225 EA 4" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	1,087.31	207.22
23 05 16 00-0226 EA 5" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	1,186.83	235.58
23 05 16 00-0227 EA 6" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	1,198.62	212.61
23 05 16 00-0228 EA 8" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	1,419.26	271.67
23 05 16 00-0229 EA 10" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	1,684.18	330.72
23 05 16 00-0230 EA 12" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	2,039.06	401.59
23 05 16 00-0231 EA 14" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	2,408.77	472.47
23 05 16 00-0232 EA 16" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	2,806.70	519.71
23 05 16 00-0233 EA 18" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	3,118.69	576.40



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0234	EA	20" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	3,679.44	649.64
23 05 16 00-0235	EA	24" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E).....	4,795.89	797.28
<b>23 05 16 00-0236</b>		<b>Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 800)</b> <small>(23 05 16 00-0096)</small>		
<b>23 05 16 00-0237</b>		<b>2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)</b> <small>(23 05 16 00-0236)</small>		
23 05 16 00-0238	EA	1" x 1-3/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802).....	302.44	50.22
23 05 16 00-0239	EA	1-1/2" x 1-3/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802).....	342.38	53.90
23 05 16 00-0240	EA	2" x 1-5/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802).....	456.97	55.76
23 05 16 00-0241	EA	2-1/2" x 2-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802).....	584.53	60.92
23 05 16 00-0242	EA	3" x 2-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802).....	802.39	120.99
23 05 16 00-0243	EA	4" x 2-5/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802).....	1,079.02	155.02
23 05 16 00-0244	EA	5" x 3-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802).....	1,309.12	169.05
23 05 16 00-0245	EA	6" x 2-3/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802).....	1,422.70	147.65
23 05 16 00-0246	EA	8" x 4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802).....	1,960.15	168.72
23 05 16 00-0247	EA	10" x 5-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802).....	2,538.87	200.68
23 05 16 00-0248	EA	12" x 6" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802).....	3,519.84	251.29
<b>23 05 16 00-0249</b>		<b>3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)</b> <small>(23 05 16 00-0236)</small>		
23 05 16 00-0250	EA	1" x 1-3/4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803).....	335.02	50.22
23 05 16 00-0251	EA	1-1/2" x 2" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803).....	374.96	53.90
23 05 16 00-0252	EA	2" x 2-3/4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803).....	509.10	55.76
23 05 16 00-0253	EA	2-1/2" x 3-1/4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803).....	656.22	60.92
23 05 16 00-0254	EA	3" x 3-5/8" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803).....	880.60	120.99
23 05 16 00-0255	EA	4" x 3-5/8" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803).....	1,196.32	155.02
23 05 16 00-0256	EA	5" x 4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803).....	1,452.49	169.05
23 05 16 00-0257	EA	6" x 4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803).....	1,598.65	147.65
23 05 16 00-0258	EA	8" x 6" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803).....	2,201.27	168.72
23 05 16 00-0259	EA	10" x 6" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803).....	2,858.19	200.68
23 05 16 00-0260	EA	12" x 7" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803).....	3,969.50	251.29
<b>23 05 16 00-0261</b>		<b>5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)</b> <small>(23 05 16 00-0236)</small>		
23 05 16 00-0262	EA	1" x 3" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805).....	367.61	50.22
23 05 16 00-0263	EA	1-1/2" x 3-1/2" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805).....	466.20	53.90
23 05 16 00-0264	EA	2" x 4" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805).....	593.82	55.76
23 05 16 00-0265	EA	2-1/2" x 4" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805).....	786.55	60.92
23 05 16 00-0266	EA	3" x 5" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805).....	1,063.07	120.99
23 05 16 00-0267	EA	4" x 5-1/4" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805).....	1,372.28	155.02
23 05 16 00-0268	EA	5" x 6" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805).....	1,797.88	169.05
23 05 16 00-0269	EA	6" x 6" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805).....	1,891.91	147.65
23 05 16 00-0270	EA	8" x 8" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805).....	2,859.47	168.72
23 05 16 00-0271	EA	10" x 8" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805).....	3,803.13	200.68
23 05 16 00-0272	EA	12" x 9" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805).....	4,758.03	251.29
<b>23 05 16 00-0273</b>		<b>Mercer Rubber, Series 450</b> <small>(23 05 16 00-0096)</small>		
<b>23 05 16 00-0274</b>		<b>Expansion Joints, 2 Arch (452)</b> <small>(23 05 16 00-0273)</small>		
23 05 16 00-0275	EA	1-1/2" x 12" Expansion Joints, 2 Arch.....	370.08	53.90
23 05 16 00-0276	EA	2" x 12" Expansion Joints, 2 Arch.....	412.98	55.76
23 05 16 00-0277	EA	2-1/2" x 12" Expansion Joints, 2 Arch.....	457.46	60.92
23 05 16 00-0278	EA	3" x 12" Expansion Joints, 2 Arch.....	621.55	120.99
23 05 16 00-0279	EA	4" x 12" Expansion Joints, 2 Arch.....	715.71	155.02
23 05 16 00-0280	EA	6" x 12" Expansion Joints, 2 Arch.....	767.76	147.65
23 05 16 00-0281	EA	8" x 12" Expansion Joints, 2 Arch.....	862.07	168.72
23 05 16 00-0282	EA	10" x 14" Expansion Joints, 2 Arch.....	1,160.57	200.68
23 05 16 00-0283	EA	12" x 14" Expansion Joints, 2 Arch.....	1,366.41	251.47
23 05 16 00-0284	EA	14" x 14" Expansion Joints, 2 Arch.....	1,593.42	255.02
23 05 16 00-0285	EA	16" x 14" Expansion Joints, 2 Arch.....	1,923.08	318.03
23 05 16 00-0286	EA	18" x 14" Expansion Joints, 2 Arch.....	2,147.27	360.84
23 05 16 00-0287	EA	20" x 14" Expansion Joints, 2 Arch.....	2,433.24	406.08
23 05 16 00-0288	EA	24" x 16" Expansion Joints, 2 Arch.....	2,911.43	498.57
<b>23 05 16 00-0289</b>		<b>Mercer Rubber, Series 502 And 701</b> <small>(23 05 16 00-0096)</small>		
<b>23 05 16 00-0290</b>		<b>2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)</b> <small>(23 05 16 00-0289)</small>		
		Note: Baked enamel, coated ductile iron backup rings.		
23 05 16 00-0291	EA	1-1/2" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR).....	583.37	70.47
23 05 16 00-0292	EA	2" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR).....	619.89	89.26
23 05 16 00-0293	EA	2-1/2" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR).....	662.62	97.37



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 16 Expansion Fittings And Loops For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0294 EA 3" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) .....	708.64	123.76
23 05 16 00-0295 EA 4" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) .....	911.36	207.74
23 05 16 00-0296 EA 5" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) .....	1,076.05	235.22
23 05 16 00-0297 EA 6" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) .....	1,087.84	213.37
23 05 16 00-0298 EA 8" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) .....	1,295.44	271.67
23 05 16 00-0299 EA 10" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) .....	1,521.26	330.72
23 05 16 00-0300 EA 12" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) .....	1,773.34	251.29
23 05 16 00-0301 EA 14" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) .....	2,187.20	472.47
23 05 16 00-0302 EA 16" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) .....	2,546.03	519.71
23 05 16 00-0303 EA 18" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) .....	2,818.92	576.40
23 05 16 00-0304 EA 20" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) .....	3,197.20	649.64
23 05 16 00-0305 EA 24" x 14" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) .....	3,811.86	797.28
23 05 16 00-0306 EA 30" x 14" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) .....	5,625.41	1,299.27
23 05 16 00-0307 EA 36" x 14" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) .....	7,053.06	1,732.36
23 05 16 00-0308 EA 42" x 16" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) .....	9,413.08	2,598.55
23 05 16 00-0309 EA 48" x 16" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) .....	11,124.44	3,248.19
23 05 16 00-0310 EA 60" x 16" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) .....	15,100.59	4,677.38

**23 05 16 00-0311 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)**

(23 05 16 00-0289)

Note: Butyl 502B, Neoprene 502N. Baked enamel, coated ductile iron backup rings.

23 05 16 00-0312 EA 1-1/2" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) .....	635.50	70.47
23 05 16 00-0313 EA 2" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) .....	672.02	89.26
23 05 16 00-0314 EA 2-1/2" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) .....	721.28	97.37
23 05 16 00-0315 EA 3" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) .....	767.29	123.76
23 05 16 00-0316 EA 4" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) .....	963.49	207.74
23 05 16 00-0317 EA 5" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) .....	1,154.25	235.22
23 05 16 00-0318 EA 6" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) .....	1,153.00	213.37
23 05 16 00-0319 EA 8" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) .....	1,393.19	271.67
23 05 16 00-0320 EA 10" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) .....	1,625.52	330.72
23 05 16 00-0321 EA 12" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) .....	1,884.12	251.29
23 05 16 00-0322 EA 14" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) .....	2,337.08	472.47
23 05 16 00-0323 EA 16" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) .....	2,721.98	519.71
23 05 16 00-0324 EA 18" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) .....	3,014.42	576.40
23 05 16 00-0325 EA 20" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) .....	3,418.77	649.64
23 05 16 00-0326 EA 24" x 14" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) .....	4,072.53	797.28
23 05 16 00-0327 EA 30" x 14" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) .....	6,009.90	1,299.27
23 05 16 00-0328 EA 36" x 14" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) .....	7,509.24	1,732.36
23 05 16 00-0329 EA 42" x 16" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) .....	9,999.59	2,598.55
23 05 16 00-0330 EA 48" x 16" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) .....	11,802.19	3,248.19
23 05 16 00-0331 EA 60" x 16" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) .....	16,025.97	4,677.38

**23 05 16 00-0332 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joints (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)**

(23 05 16 00-0289)

Note: Nitrile 502Ni, Nitrile/Neoprene 502NiN, Ethylene Propylene Diene Monomer (EPDM) 502E, Neoprene/Natural 502NR or Natural/Neoprene 502RN. Baked enamel, coated ductile iron backup rings.

23 05 16 00-0333 EA 1-1/2" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN) .....	655.05	70.47
23 05 16 00-0334 EA 2" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN) .....	711.13	89.26
23 05 16 00-0335 EA 2-1/2" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN) .....	753.86	97.37
23 05 16 00-0336 EA 3" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN) .....	806.39	123.76
23 05 16 00-0337 EA 4" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN) .....	1,015.63	207.74
23 05 16 00-0338 EA 5" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN) .....	1,193.35	235.22
23 05 16 00-0339 EA 6" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN) .....	1,218.17	213.37
23 05 16 00-0340 EA 8" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN) .....	1,445.33	271.67
23 05 16 00-0341 EA 10" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN) .....	1,690.69	330.72
23 05 16 00-0342 EA 12" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN) .....	1,962.32	251.29



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0343	EA	14" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	2,415.28	472.47
23 05 16 00-0344	EA	16" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	2,826.25	519.71
23 05 16 00-0345	EA	18" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	3,131.73	576.40
23 05 16 00-0346	EA	20" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	3,575.17	649.64
23 05 16 00-0347	EA	24" x 14" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	4,215.90	797.28
23 05 16 00-0348	EA	30" x 14" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	6,029.45	1,299.27
23 05 16 00-0349	EA	36" x 14" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	7,769.91	1,732.36
23 05 16 00-0350	EA	42" x 16" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	10,364.54	2,598.55
23 05 16 00-0351	EA	48" x 16" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	12,206.23	3,248.19
23 05 16 00-0352	EA	60" x 16" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	16,573.38	4,677.38
<b>23 05 16 00-0353</b>		<b>2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joints (Mercer 502H, 502HN Or 502NH)</b> <small>(23 05 16 00-0289)</small> Note: Hypalon 502H, Hypalon/Neoprene 502HN Or Neoprene/Hypalon 502NH. Baked enamel, coated ductile iron backup rings.		
23 05 16 00-0354	EA	1-1/2" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	687.64	70.47
23 05 16 00-0355	EA	2" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	724.16	89.26
23 05 16 00-0356	EA	2-1/2" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	773.41	97.37
23 05 16 00-0357	EA	3" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	838.97	123.76
23 05 16 00-0358	EA	4" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,041.70	207.74
23 05 16 00-0359	EA	5" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,245.48	235.22
23 05 16 00-0360	EA	6" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,270.31	213.37
23 05 16 00-0361	EA	8" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,497.46	271.67
23 05 16 00-0362	EA	10" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,755.86	330.72
23 05 16 00-0363	EA	12" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	2,053.56	251.29
23 05 16 00-0364	EA	14" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	2,506.52	472.47
23 05 16 00-0365	EA	16" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	2,943.55	519.71
23 05 16 00-0366	EA	18" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	3,262.06	576.40
23 05 16 00-0367	EA	20" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	3,718.54	649.64
23 05 16 00-0368	EA	24" x 14" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	4,365.79	797.28
23 05 16 00-0369	EA	30" x 14" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	6,459.56	1,299.27
23 05 16 00-0370	EA	36" x 14" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	8,082.71	1,732.36
23 05 16 00-0371	EA	42" x 16" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	10,729.48	2,598.55
23 05 16 00-0372	EA	48" x 16" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	12,519.04	3,248.19
23 05 16 00-0373	EA	60" x 16" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	16,990.46	4,677.38
<b>23 05 16 00-0374</b>		<b>2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)</b> <small>(23 05 16 00-0289)</small> Note: Baked enamel, coated ductile iron backup rings.		
23 05 16 00-0375	EA	1-1/2" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	857.07	70.47
23 05 16 00-0376	EA	2" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	932.70	89.26
23 05 16 00-0377	EA	2-1/2" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	994.98	97.37

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 16 Expansion Fittings And Loops For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0378	EA		3" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) .....	1,321.22	123.76
23 05 16 00-0379	EA		4" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) .....	1,732.48	207.74
23 05 16 00-0380	EA		5" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) .....	2,118.73	235.22
23 05 16 00-0381	EA		6" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) .....	2,273.89	213.37
23 05 16 00-0382	EA		8" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) .....	2,931.16	271.67
23 05 16 00-0383	EA		10" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) .....	3,880.34	330.72
23 05 16 00-0384	EA		12" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) .....	4,438.71	251.29
23 05 16 00-0385	EA		14" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) .....	5,106.72	472.47
23 05 16 00-0386	EA		16" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) .....	6,254.09	519.71
23 05 16 00-0387	EA		18" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) .....	6,937.54	576.40
23 05 16 00-0388	EA		20" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) .....	8,149.97	649.64
23 05 16 00-0389	EA		24" x 14" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) .....	10,693.60	797.28
23 05 16 00-0390	EA		30" x 14" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) .....	17,916.09	1,299.27
23 05 16 00-0391	EA		36" x 14" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) .....	22,497.88	1,732.36
23 05 16 00-0392	EA		42" x 16" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) .....	29,445.73	2,598.55
23 05 16 00-0393	EA		48" x 16" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) .....	34,428.52	3,248.19
23 05 16 00-0394	EA		60" x 16" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) .....	45,599.21	4,677.38

**23 05 16 00-0395 Teflon Lined Expansion Joints (Mercer 701)** (23 05 16 00-0289)

Note: Natural rubber, neoprene, butyl, ethylene propylene diene monomer (EPDM) Or nitrile. Includes baked enamel coated ductile iron backer rings. Series 701.

23 05 16 00-0396	EA		1-1/2" Teflon Lined Expansion Joint (Mercer 701) .....	573.72	53.90
			For Hypalon Tube And Cover, Add	9.32	
			For Viton Tube And Cover, Add	465.95	
23 05 16 00-0397	EA		2" Teflon Lined Expansion Joint (Mercer 701) .....	668.77	55.76
			For Hypalon Tube And Cover, Add	11.14	
			For Viton Tube And Cover, Add	557.19	
23 05 16 00-0398	EA		2-1/2" Teflon Lined Expansion Joint (Mercer 701) .....	762.10	60.92
			For Hypalon Tube And Cover, Add	12.81	
			For Viton Tube And Cover, Add	640.28	
23 05 16 00-0399	EA		3" Teflon Lined Expansion Joint (Mercer 701) .....	952.37	120.99
			For Hypalon Tube And Cover, Add	14.21	
			For Viton Tube And Cover, Add	710.33	
23 05 16 00-0400	EA		4" Teflon Lined Expansion Joint (Mercer 701) .....	1,170.42	155.09
			For Hypalon Tube And Cover, Add	17.20	
			For Viton Tube And Cover, Add	860.22	
23 05 16 00-0401	EA		5" Teflon Lined Expansion Joint (Mercer 701) .....	1,388.70	168.91
			For Hypalon Tube And Cover, Add	21.02	
			For Viton Tube And Cover, Add	1,050.83	
23 05 16 00-0402	EA		6" Teflon Lined Expansion Joint (Mercer 701) .....	1,432.47	147.65
			For Hypalon Tube And Cover, Add	22.74	
			For Viton Tube And Cover, Add	1,137.18	
23 05 16 00-0403	EA		8" Teflon Lined Expansion Joint (Mercer 701) .....	1,718.76	168.61
			For Hypalon Tube And Cover, Add	27.63	
			For Viton Tube And Cover, Add	1,381.56	
23 05 16 00-0404	EA		10" Teflon Lined Expansion Joint (Mercer 701) .....	2,165.78	200.68
			For Hypalon Tube And Cover, Add	35.29	
			For Viton Tube And Cover, Add	1,764.42	
23 05 16 00-0405	EA		12" Teflon Lined Expansion Joint (Mercer 701) .....	2,769.15	251.47
			For Hypalon Tube And Cover, Add	45.32	
			For Viton Tube And Cover, Add	2,266.22	
23 05 16 00-0406	EA		14" Teflon Lined Expansion Joint (Mercer 701) .....	3,110.58	255.19
			For Hypalon Tube And Cover, Add	52.00	
			For Viton Tube And Cover, Add	2,600.20	
23 05 16 00-0407	EA		16" Teflon Lined Expansion Joint (Mercer 701) .....	3,861.83	318.03
			For Hypalon Tube And Cover, Add	64.52	
			For Viton Tube And Cover, Add	3,225.82	
23 05 16 00-0408	EA		18" Teflon Lined Expansion Joint (Mercer 701) .....	4,302.08	361.38
			For Hypalon Tube And Cover, Add	71.59	
			For Viton Tube And Cover, Add	3,579.35	
23 05 16 00-0409	EA		20" Teflon Lined Expansion Joint (Mercer 701) .....	5,035.12	405.31
			For Hypalon Tube And Cover, Add	84.49	
			For Viton Tube And Cover, Add	4,224.52	
23 05 16 00-0410	EA		24" Teflon Lined Expansion Joint (Mercer 701) .....	6,580.21	499.27
			For Hypalon Tube And Cover, Add	111.63	
			For Viton Tube And Cover, Add	5,581.64	

**23 05 16 00-0411 Accessories For Mercer Rubber, Series 451 And 501** (23 05 16 00-0096)**23 05 16 00-0412 Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints** (23 05 16 00-0411)

23 05 16 00-0413	EA		1-1/2" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints .....	24.76	
23 05 16 00-0414	EA		2" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints .....	31.28	
23 05 16 00-0415	EA		2-1/2" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints .....	35.19	
23 05 16 00-0416	EA		3" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints .....	37.80	
23 05 16 00-0417	EA		4" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints .....	56.04	
23 05 16 00-0418	EA		5" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints .....	69.08	
23 05 16 00-0419	EA		6" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints .....	75.59	
23 05 16 00-0420	EA		8" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints .....	83.42	
23 05 16 00-0421	EA		10" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints .....	106.88	
23 05 16 00-0422	EA		12" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints .....	126.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0423 EA 14" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	169.44	
23 05 16 00-0424 EA 16" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	182.47	
23 05 16 00-0425 EA 18" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	195.50	
23 05 16 00-0426 EA 20" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	215.05	
23 05 16 00-0427 EA 24" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	267.19	
23 05 16 00-0428 EA 30" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	332.36	
23 05 16 00-0429 EA 36" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	404.04	
23 05 16 00-0430 EA 42" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	573.48	
23 05 16 00-0431 EA 48" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints.....	684.26	
<b>23 05 16 00-0432 Control Rods For Mercer 451 And 501 Expansion Joints</b> <small>(23 05 16 00-0411)</small>		
23 05 16 00-0433 SET 1-1/2" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2.....	61.75	
23 05 16 00-0434 SET 2" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2.....	78.09	
23 05 16 00-0435 SET 2-1/2" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2.....	90.80	
23 05 16 00-0436 SET 3" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2.....	108.96	
23 05 16 00-0437 SET 4" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2.....	108.96	
23 05 16 00-0438 SET 5" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2.....	118.05	
23 05 16 00-0439 SET 6" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2.....	136.21	
23 05 16 00-0440 SET 8" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2.....	199.77	
23 05 16 00-0441 SET 10" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 3.....	390.46	
23 05 16 00-0442 SET 12" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 3.....	535.74	
23 05 16 00-0443 SET 14" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4.....	799.08	
23 05 16 00-0444 SET 16" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4.....	898.96	
23 05 16 00-0445 SET 18" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5.....	1,198.61	
23 05 16 00-0446 SET 20" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5.....	1,280.34	
23 05 16 00-0447 SET 24" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5.....	1,443.78	
23 05 16 00-0448 SET 30" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5.....	2,115.73	
23 05 16 00-0449 SET 36" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5.....	3,114.58	
23 05 16 00-0450 SET 42" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 3.....	2,106.65	
23 05 16 00-0451 SET 48" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4.....	2,769.52	
23 05 16 00-0452 SET 60" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4.....	4,322.27	
<b>23 05 17 Sleeves and Sleeve Seals for HVAC Piping</b> <small>(23 05)</small>		
<b>23 05 17 00-0001 Wall Seals And Sleeves</b> <small>(23 05 17)</small>		
Note: Up to 12" walls. Excludes drilling hole.		
<b>23 05 17 00-0002 Ductile Iron Wall Sleeve</b> <small>(23 05 17 00-0001)</small>		
Note: Includes rubber gasket seal.		
23 05 17 00-0003 EA 3" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	79.93	31.03
23 05 17 00-0004 EA 4" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	99.59	36.24
23 05 17 00-0005 EA 6" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	122.13	43.48
23 05 17 00-0006 EA 8" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	171.82	65.19
23 05 17 00-0007 EA 10" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	219.54	86.90
23 05 17 00-0008 EA 12" Ductile Iron Wall Sleeve With Rubber Gasket Seal.....	269.96	108.67
<b>23 05 17 00-0009 Steel Pipe Sleeves</b> <small>(23 05 17 00-0001)</small>		
Note: Includes link seals 12" length.		
23 05 17 00-0010 EA 2" Steel Pipe Sleeve With Link Seals.....	91.46	32.23
23 05 17 00-0011 EA 2-1/2" Steel Pipe Sleeve With Link Seals.....	113.91	34.94
23 05 17 00-0012 EA 3" Steel Pipe Sleeve With Link Seals.....	135.11	37.65
23 05 17 00-0013 EA 4" Steel Pipe Sleeve With Link Seals.....	167.94	45.17
23 05 17 00-0014 EA 6" Steel Pipe Sleeve With Link Seals.....	245.58	56.40
23 05 17 00-0015 EA 10" Steel Pipe Sleeve With Link Seals.....	427.42	67.71
23 05 17 00-0016 EA 13.25" Inside Diameter Steel Pipe Sleeve With Link Seals.....	503.67	84.64
23 05 17 00-0017 EA 17.25" Inside Diameter Steel Pipe Sleeve With Link Seals.....	672.55	104.14
23 05 17 00-0018 EA 23.25" Inside Diameter Steel Pipe Sleeve With Link Seals.....	921.76	135.42
23 05 17 00-0019 EA 29.25" Inside Diameter Steel Pipe Sleeve With Link Seals.....	994.50	169.28
<b>23 05 19 Meters And Gages For HVAC Piping</b> <small>(23 05)</small>		
<b>23 05 19 00-0001 Thermometers</b> <small>(23 05 19)</small>		
<b>23 05 19 00-0002 Dial Type, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometers</b> <small>(23 05 19 00-0001)</small>		
Note: Various ranges.		
23 05 19 00-0003 EA 2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer.....	83.84	23.27
23 05 19 00-0004 EA 2-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer.....	102.20	23.27
23 05 19 00-0005 EA 3-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer.....	102.20	23.27
<b>23 05 19 00-0006 Liquid Filled Industrial Union Connection Type Thermometers</b> <small>(23 05 19 00-0001)</small>		
Note: Various ranges.		
23 05 19 00-0007 EA 7" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	120.56	23.27
23 05 19 00-0008 EA 9" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	120.56	23.27
23 05 19 00-0009 EA 12" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	158.96	23.27
23 05 19 00-0010 EA 7" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	125.57	23.27
23 05 19 00-0011 EA 9" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	133.92	23.27

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 19 Meters And Gages For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0012 EA 12" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer.....	163.97	23.27
<b>23 05 19 00-0013 Liquid Filled Industrial Separable Socket Type Thermometers (23 05 19 00-0001)</b> Note: Various ranges. Socket connection for thermowell.		
23 05 19 00-0014 EA 7" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer .....	120.56	23.27
23 05 19 00-0015 EA 9" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer .....	120.56	23.27
23 05 19 00-0016 EA 12" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer .....	158.96	23.27
23 05 19 00-0017 EA 7" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer.....	142.27	23.27
23 05 19 00-0018 EA 9" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer .....	158.96	23.27
23 05 19 00-0019 EA 12" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer .....	163.22	23.27
<b>23 05 19 00-0020 1" NPT, 304 Stainless Steel Thermowells (23 05 19 00-0001)</b>		
23 05 19 00-0021 EA 4" Long, 1" NPT, 304 Stainless Steel Thermowell .....	123.91	43.63
23 05 19 00-0022 EA 8" Long, 1" NPT, 304 Stainless Steel Thermowell .....	123.85	43.63
<b>23 05 19 00-0023 Pressure Gauges (23 05 19)</b>		
<b>23 05 19 00-0024 Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges (23 05 19 00-0023)</b>		
23 05 19 00-0025 EA 2" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	28.86	9.09
23 05 19 00-0026 EA 4" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	38.71	9.09
<b>23 05 19 00-0027 Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges (23 05 19 00-0023)</b>		
23 05 19 00-0028 EA 3-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	158.58	9.09
23 05 19 00-0029 EA 4-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	158.58	9.09
23 05 19 00-0030 EA 6" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	206.26	9.09
23 05 19 00-0031 EA 8-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	487.06	9.09
<b>23 05 19 00-0032 Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges (23 05 19 00-0023)</b> Note: Liquid filled.		
23 05 19 00-0033 EA 2-1/2" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	83.92	9.09
23 05 19 00-0034 EA 4" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge.....	189.05	9.09
<b>23 05 19 00-0035 Steel Case, 0 To 10K PSI High Pressure, Pressure Gauges (23 05 19 00-0023)</b>		
23 05 19 00-0036 EA 4-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge .....	317.01	9.09
23 05 19 00-0037 EA 6-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge .....	317.01	9.09
23 05 19 00-0038 EA 8-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge .....	317.01	9.09
<b>23 05 19 00-0039 Polypropylene Case, Stainless Steel Internals And Stem, Pressure Gauges (23 05 19 00-0023)</b>		
<b>23 05 19 00-0040 Polypropylene Case, 0 To 300 PSI, Stainless Steel Internals And Stem, Pressure Gauges (23 05 19 00-0039)</b>		
23 05 19 00-0041 EA 4-1/2" Diameter Dry Dial, Polypropylene Case, 0 To 300 PSI, Stainless Steel Internals And Stem, Pressure Gauge.....	259.90	9.09
23 05 19 00-0042 EA 4-1/2" Diameter Liquid Filled Dial, Polypropylene Case, 0 To 300 PSI, Stainless Steel Internals And Stem, Pressure Gauge.....	349.03	9.09
23 05 19 00-0043 EA 6" Diameter Dry Dial, Polypropylene Case, 0 To 300 PSI, Stainless Steel Internals And Stem, Pressure Gauge.....	422.88	9.09
<b>23 05 19 00-0044 Polypropylene Case, 0 To 100" H2O (Very Low PSI), Stainless Steel Internals And Stem, Pressure Gauges (23 05 19 00-0039)</b>		
23 05 19 00-0045 EA 2-1/2" Diameter Dry Dial, Polypropylene Case, 0 To 100" H2O (Very Low PSI), Stainless Steel Internals And Stem, Pressure Gauge .....	146.44	9.09
23 05 19 00-0046 EA 2-1/2" Diameter Liquid Filled, Polypropylene Case, 0 To 100" H2O (Very Low PSI), Stainless Steel Internals And Stem, Pressure Gauge .....	109.07	9.09
<b>23 05 19 00-0047 Gauge Accessories (23 05 19 00-0023)</b>		
23 05 19 00-0048 EA Pete's Plug (Valve Cock For Removable Pressure Gauge Or Thermometer).....	59.13	7.27
23 05 19 00-0049 EA 1/4" Snubber Valve .....	35.78	7.27
23 05 19 00-0050 EA 1/4" Female Pipe Thread, Brass Gauge Cock .....	22.42	10.91
23 05 19 00-0051 EA 1/4" Male Pipe Thread, Brass Gauge Cock .....	19.16	10.91
23 05 19 00-0052 EA 1/4" Pressure Pigtail Steam Siphon .....	21.04	10.91
23 05 19 00-0053 EA 1/4" x 3" Long Black Steel Nipple.....	4.39	3.64
23 05 19 00-0054 EA 1/4" Steel Thread-O-Let .....	52.12	18.18
23 05 19 00-0055 EA 1/4", 300 LB, Black Steel Union .....	53.83	7.27
23 05 19 00-0056 EA 1/4", Black Steel Coupling.....	16.00	7.27
23 05 19 00-0057 EA 1/4", 300 LB, Black Steel Plug .....	9.06	4.36
23 05 19 00-0058 EA 1/4", 150 LB, Black Steel Cap.....	9.55	4.36
23 05 19 00-0059 LF 1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe .....	5.24	2.40
23 05 19 00-0060 LF 1/4" Schedule 80, Plain End, Black Steel Pipe .....	4.95	2.40
23 05 19 00-0061 LF 1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe.....	5.54	
23 05 19 00-0062 EA 1/4" Threaded, 800 LB, Forged Steel, Ball Valve.....	72.63	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0063	Valve Lock Covers <small>(23 05 19)</small>			
23 05 19 00-0064	EA Valve Lock Cover.....		51.17	11.13
23 05 19 00-0065	Sight Flow Indicator <small>(23 05 19)</small>			
23 05 19 00-0066	Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator <small>(23 05 19 00-0065)</small>			
23 05 19 00-0067	EA 1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....		98.13	10.31
23 05 19 00-0068	EA 3/8" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....		102.49	10.85
23 05 19 00-0069	EA 1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....		110.86	11.40
23 05 19 00-0070	EA 3/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....		124.06	15.37
23 05 19 00-0071	EA 1" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....		148.28	18.62
23 05 19 00-0072	EA 1-1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....		168.07	23.58
23 05 19 00-0073	EA 1-1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....		238.39	27.26
23 05 19 00-0074	EA 2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100).....		264.05	32.22
23 05 19 00-0075	Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator <small>(23 05 19 00-0065)</small>			
23 05 19 00-0076	EA 1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....		127.69	10.31
23 05 19 00-0077	EA 3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....		131.39	10.85
23 05 19 00-0078	EA 1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....		141.73	11.40
23 05 19 00-0079	EA 3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....		150.34	15.37
23 05 19 00-0080	EA 1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....		159.44	18.62
23 05 19 00-0081	EA 1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....		172.67	23.58
23 05 19 00-0082	EA 1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....		327.72	27.26
23 05 19 00-0083	EA 2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300).....		350.76	32.22
23 05 19 00-0084	Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator <small>(23 05 19 00-0065)</small>			
23 05 19 00-0085	EA 1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....		184.83	10.31
23 05 19 00-0086	EA 3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....		195.11	10.85
23 05 19 00-0087	EA 1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....		212.01	11.40
23 05 19 00-0088	EA 3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....		230.47	15.37
23 05 19 00-0089	EA 1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....		264.54	18.62
23 05 19 00-0090	EA 1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....		279.73	23.58
23 05 19 00-0091	EA 1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....		564.19	27.26
23 05 19 00-0092	EA 2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS).....		593.79	32.22
23 05 19 00-0093	Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicators <small>(23 05 19 00-0065)</small>			
23 05 19 00-0094	EA 1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....		125.72	10.31
23 05 19 00-0095	EA 3/8" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....		130.74	10.85
23 05 19 00-0096	EA 1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....		138.45	11.40
23 05 19 00-0097	EA 3/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....		149.68	15.37
23 05 19 00-0098	EA 1" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....		158.79	18.62
23 05 19 00-0099	EA 1-1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....		172.67	23.58
23 05 19 00-0100	EA 1-1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....		323.78	27.26
23 05 19 00-0101	EA 2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360).....		345.50	32.22

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 19 Meters And Gages For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 05 19 00-0102</b> <b>Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicators</b> <small>(23 05 19 00-0065)</small>		
23 05 19 00-0103 EA 1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS) .....	183.52	10.31
23 05 19 00-0104 EA 3/8" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS) .....	197.74	10.85
23 05 19 00-0105 EA 1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS) .....	215.95	11.40
23 05 19 00-0106 EA 3/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS) .....	230.47	15.37
23 05 19 00-0107 EA 1" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS) .....	264.54	18.62
23 05 19 00-0108 EA 1-1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS) .....	282.36	23.58
23 05 19 00-0109 EA 1-1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS) .....	564.19	27.26
23 05 19 00-0110 EA 2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS) .....	593.79	32.22
<b>23 05 19 00-0111</b> <b>Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicators</b> <small>(23 05 19 00-0065)</small>		
23 05 19 00-0112 EA 1" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400) .....	269.79	18.62
23 05 19 00-0113 EA 1-1/4" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400) .....	303.38	23.58
23 05 19 00-0114 EA 1-1/2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400) .....	344.80	27.26
23 05 19 00-0115 EA 2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400) .....	387.54	32.22
<b>23 05 19 00-0116</b> <b>Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicators</b> <small>(23 05 19 00-0065)</small>		
23 05 19 00-0117 EA 1-1/2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS) .....	594.02	74.35
23 05 19 00-0118 EA 2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS) .....	663.52	94.39
23 05 19 00-0119 EA 3" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS) .....	977.17	110.82
23 05 19 00-0120 EA 4" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS) .....	1,474.58	185.79
23 05 19 00-0121 EA 6" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS) .....	2,365.92	208.08
<b>23 05 19 00-0122</b> <b>Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicators</b> <small>(23 05 19 00-0065)</small>		
23 05 19 00-0123 EA 1" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F) .....	455.66	53.11
23 05 19 00-0124 EA 1-1/4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F) .....	538.08	61.96
23 05 19 00-0125 EA 1-1/2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F) .....	580.55	74.35
23 05 19 00-0126 EA 2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F) .....	727.57	94.39
23 05 19 00-0127 EA 3" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F) .....	1,055.66	110.82
23 05 19 00-0128 EA 4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F) .....	1,559.65	185.79
<b>23 05 19 00-0129</b> <b>Venturi Flowmeters</b> <small>(23 05 19)</small>		
<b>23 05 19 00-0130</b> <b>Threaded, Brass, Venturi Flowmeters</b> <small>(23 05 19 00-0129)</small>		
23 05 19 00-0131 EA 3/4" Threaded, Brass, Venturi Flowmeter .....	197.28	49.44
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0132 EA 1" Threaded, Brass, Venturi Flowmeter .....	217.56	59.33
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0133 EA 1-1/4" Threaded, Brass, Venturi Flowmeter .....	239.92	65.95
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0134 EA 1-1/2" Threaded, Brass, Venturi Flowmeter .....	270.42	74.16
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0135 EA 2" Threaded, Brass, Venturi Flowmeter .....	322.16	84.78
For Portable Venturi Flow Meter, Add	995.00	
23 05 19 00-0136 EA 2-1/2" Threaded, Brass, Venturi Flowmeter .....	424.46	105.31
For Portable Venturi Flow Meter, Add	995.00	
<b>23 05 19 00-0137</b> <b>Butt Weld, Carbon Steel, Venturi Flowmeters</b> <small>(23 05 19 00-0129)</small>		
23 05 19 00-0138 EA 3" Butt Weld, Carbon Steel, Venturi Flowmeter .....	750.64	101.57
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	191.63	
23 05 19 00-0139 EA 4" Butt Weld, Carbon Steel, Venturi Flowmeter .....	1,028.53	121.88
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	274.67	
23 05 19 00-0140 EA 5" Butt Weld, Carbon Steel, Venturi Flowmeter .....	1,344.98	152.36
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	364.10	
23 05 19 00-0141 EA 6" Butt Weld, Carbon Steel, Venturi Flowmeter .....	1,610.80	203.13
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	421.59	
23 05 19 00-0142 EA 8" Butt Weld, Carbon Steel, Venturi Flowmeter .....	2,330.82	243.76
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	645.16	
23 05 19 00-0143 EA 10" Butt Weld, Carbon Steel, Venturi Flowmeter .....	3,766.73	304.70
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	1,105.07	
23 05 19 00-0144 EA 12" Butt Weld, Carbon Steel, Venturi Flowmeter .....	5,562.12	390.24
For Portable Venturi Flow Meter, Add	995.00	
For Flanged Ends, Add	1,673.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0145 EA 14" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add For Flanged Ends, Add</i>	7,813.89 995.00 2,325.11	585.36
23 05 19 00-0146 EA 16" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add For Flanged Ends, Add</i>	11,612.32 995.00 3,609.03	650.40
<b>23 05 19 00-0147 Turbine Flowmeter</b> <small>(23 05 19)</small>		
23 05 19 00-0148 EA Saddle Mount Turbine Flowmeter	522.94	54.54
<b>23 05 19 00-0149 Flowmeters</b> <small>(23 05 19)</small>		
<b>23 05 19 00-0150 Polyvinyl Chloride (PVC) Turbine Flowmeters</b> <small>(23 05 19 00-0149)</small>		
23 05 19 00-0151 EA 2", Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	1,379.73	124.99
23 05 19 00-0152 EA 3", Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	1,634.24	133.27
23 05 19 00-0153 EA 4", Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	1,883.20	138.88
23 05 19 00-0154 EA 6", Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	2,366.84	142.80
23 05 19 00-0155 EA 2", Flanged, Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	1,369.90	96.92
23 05 19 00-0156 EA 3", Flanged, Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	1,700.73	123.61
23 05 19 00-0157 EA 4", Flanged, Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	2,103.02	207.23
23 05 19 00-0158 EA 6", Flanged, Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	2,766.33	261.76
23 05 19 00-0159 EA 2", Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP101)	2,295.45	124.99
<i>For Analog Output, Add</i>	75.00	
23 05 19 00-0160 EA 3", Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP101)	2,549.96	133.27
<i>For Analog Output, Add</i>	75.00	
23 05 19 00-0161 EA 4", Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP101)	2,798.92	138.88
<i>For Analog Output, Add</i>	75.00	
23 05 19 00-0162 EA 6", Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP101)	3,282.56	142.80
<i>For Analog Output, Add</i>	75.00	
23 05 19 00-0163 EA 2", Flanged, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametric WTP101)	2,285.63	96.92
<i>For Analog Output, Add</i>	75.00	
23 05 19 00-0164 EA 3", Flanged, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametric WTP101)	2,616.46	123.61
<i>For Analog Output, Add</i>	75.00	
23 05 19 00-0165 EA 4", Flanged, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametric WTP101)	3,018.74	207.23
<i>For Analog Output, Add</i>	75.00	
23 05 19 00-0166 EA 6", Flanged, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametric WTP101)	3,682.05	261.76
<i>For Analog Output, Add</i>	75.00	
23 05 19 00-0167 EA 2", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102)	2,057.60	124.99
23 05 19 00-0168 EA 3", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102)	2,312.11	133.27
23 05 19 00-0169 EA 4", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102)	2,561.07	138.88
23 05 19 00-0170 EA 6", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102)	3,044.71	142.80
23 05 19 00-0171 EA 2", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102)	2,176.52	125.06
23 05 19 00-0172 EA 3", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102)	2,490.50	133.43
23 05 19 00-0173 EA 4", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102)	2,798.92	138.88
23 05 19 00-0174 EA 6", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102)	3,401.49	142.87
23 05 19 00-0175 EA 2", Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104)	2,509.52	124.99
23 05 19 00-0176 EA 3", Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104)	2,764.02	133.27
23 05 19 00-0177 EA 4", Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104)	3,012.99	138.88
23 05 19 00-0178 EA 6", Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104)	3,496.63	142.80
23 05 19 00-0179 EA 2", Flanged, Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104)	2,499.69	96.92
23 05 19 00-0180 EA 3", Flanged, Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104)	2,830.52	123.61
23 05 19 00-0181 EA 4", Flanged, Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104)	3,232.80	207.23
23 05 19 00-0182 EA 6", Flanged, Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104)	3,896.12	261.76
<b>23 05 19 00-0183 Flanged, Main Line Flowmeters</b> <small>(23 05 19 00-0149)</small>		
Note: Six digit totalizer with rate indicator. AWWA Standard #C704-70.		
<b>23 05 19 00-0184 150 LB, Flanged, Main Line Flow Meters</b> <small>(23 05 19 00-0183)</small>		
23 05 19 00-0185 EA 2" x 14" Long, 150 LB, Flanged, Main Line Flow Meter <i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	2,046.23 165.00	96.92
23 05 19 00-0186 EA 2-1/2" x 16" Long, 150 LB, Flanged, Main Line Flow Meter <i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	2,057.24 165.00	105.76
23 05 19 00-0187 EA 3" x 16" Long, 150 LB, Flanged, Main Line Flow Meter <i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	2,079.75 165.00	123.76
23 05 19 00-0188 EA 4" x 20" Long, 150 LB, Flanged, Main Line Flow Meter <i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	2,543.40 165.00	207.74
23 05 19 00-0189 EA 6" x 22" Long, 150 LB, Flanged, Main Line Flow Meter <i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	2,975.31 165.00	261.76
23 05 19 00-0190 EA 8" x 24" Long, 150 LB, Flanged, Main Line Flow Meter <i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	3,580.01 165.00	334.47
23 05 19 00-0191 EA 10" x 26" Long, 150 LB, Flanged, Main Line Flow Meter <i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	4,427.11 165.00	387.16
23 05 19 00-0192 EA 12" x 28" Long, 150 LB, Flanged, Main Line Flow Meter <i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	5,099.56 165.00	470.12
23 05 19 00-0193 EA 14" x 42" Long, 150 LB, Flanged, Main Line Flow Meter <i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	6,225.85 165.00	553.08
23 05 19 00-0194 EA 16" x 48" Long, 150 LB, Flanged, Main Line Flow Meter <i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	7,044.13 165.00	608.39
23 05 19 00-0195 EA 18" x 54" Long, 150 LB, Flanged, Main Line Flow Meter <i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	7,883.03 165.00	674.75



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 19 Meters And Gages For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0196	EA		20" x 60" Long, 150 LB, Flanged, Main Line Flow Meter ..... <i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	9,070.76 165.00	760.49
23 05 19 00-0197	EA		24" x 60" Long, 150 LB, Flanged, Main Line Flow Meter ..... <i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	12,054.05 165.00	933.32
23 05 19 00-0198	EA		30" x 60" Long, 150 LB, Flanged, Main Line Flow Meter ..... <i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	15,449.17 165.00	1,520.97
23 05 19 00-0199	EA		36" x 60" Long, 150 LB, Flanged, Main Line Flow Meter ..... <i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	18,788.88 165.00	2,027.96
<b>23 05 19 00-0200</b>			<b>300 LB, Flanged, Main Line Flow Meters</b> <small>(23 05 19 00-0183)</small>		
23 05 19 00-0201	EA		2" x 20" Long, 300 LB, Flanged, Main Line Flow Meter ..... <i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	2,314.11 165.00	96.94
23 05 19 00-0202	EA		2-1/2" x 20" Long, 300 LB, Flanged, Main Line Flow Meter ..... <i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	2,325.12 165.00	105.76
23 05 19 00-0203	EA		3" x 20" Long, 300 LB, Flanged, Main Line Flow Meter ..... <i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	2,347.63 165.00	123.76
23 05 19 00-0204	EA		4" x 24" Long, 300 LB, Flanged, Main Line Flow Meter ..... <i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	2,749.98 165.00	207.23
23 05 19 00-0205	EA		6" x 26" Long, 300 LB, Flanged, Main Line Flow Meter ..... <i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	3,329.44 165.00	261.76
23 05 19 00-0206	EA		8" x 28" Long, 300 LB, Flanged, Main Line Flow Meter ..... <i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	4,154.34 165.00	334.47
23 05 19 00-0207	EA		10" x 30" Long, 300 LB, Flanged, Main Line Flow Meter ..... <i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	5,553.08 165.00	387.16
23 05 19 00-0208	EA		12" x 32" Long, 300 LB, Flanged, Main Line Flow Meter ..... <i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	7,020.06 165.00	470.12
23 05 19 00-0209	EA		14" x 42" Long, 300 LB, Flanged, Main Line Flow Meter ..... <i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	8,400.61 165.00	553.08
23 05 19 00-0210	EA		16" x 48" Long, 300 LB, Flanged, Main Line Flow Meter ..... <i>For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add</i>	9,654.74 165.00	608.39
<b>23 05 19 00-0211</b>			<b>Adjustable, Insertion Turbine Flowmeters</b> <small>(23 05 19 00-0149)</small>		
23 05 19 00-0212	EA		For 1-1/2" To 3" Pipe, Probe Assembly With Display, Adjustable, Insertion Turbine Flowmeter .....	1,745.84	72.71
23 05 19 00-0213	EA		For 1-1/2" To 10" Pipe, Probe Assembly With Display, Adjustable, Insertion Turbine Flowmeter.....	1,791.24	72.71
23 05 19 00-0214	EA		For 1-1/2" To 3" Pipe, Probe Assembly With 4-20mA Transmitter, Adjustable, Insertion Turbine Flowmeter.....	1,446.12	145.42
23 05 19 00-0215	EA		For 1-1/2" To 10" Pipe, Probe Assembly With 4-20mA Transmitter, Adjustable, Insertion Turbine Flowmeter.....	1,564.23	72.71
23 05 19 00-0216	EA		For 1-1/2" To 3" Pipe, Probe Assembly With Display And 4-20mA Transmitter, Adjustable, Insertion Turbine Flowmeter.....	2,063.65	72.71
23 05 19 00-0217	EA		For 1-1/2" To 10" Pipe, Probe Assembly With Display And 4-20mA Transmitter, Adjustable, Insertion Turbine Flowmeter.....	2,109.06	72.71
<b>23 05 19 00-0218</b>			<b>Epoxy Coated Cast Iron High-Volume Turbine Meters</b> <small>(23 05 19 00-0149)</small> Note: AWWA C-701, Class II.		
<b>23 05 19 00-0219</b>			<b>Meters With Mechanical Display</b> <small>(23 05 19 00-0218)</small>		
23 05 19 00-0220	EA		2", 4.4 To 175 GPM Mechanical Display, Epoxy Coated Cast Iron High-Volume Turbine Meter (Master Meter) .....	1,584.76	125.06
23 05 19 00-0221	EA		3", 6 To 330 GPM Mechanical Display, Epoxy Coated Cast Iron High-Volume Turbine Meter (Master Meter) .....	1,944.20	133.43
23 05 19 00-0222	EA		4", 9 To 440 GPM Mechanical Display, Epoxy Coated Cast Iron High-Volume Turbine Meter (Master Meter) .....	2,450.20	138.88
23 05 19 00-0223	EA		6", 35 To 1,150 GPM Mechanical Display, Epoxy Coated Cast Iron High-Volume Turbine Meter (Master Meter) .....	3,463.79	142.87
23 05 19 00-0224	EA		8", 37 To 2,000 GPM Mechanical Display, Epoxy Coated Cast Iron High-Volume Turbine Meter (Master Meter) .....	4,867.27	154.51
<b>23 05 19 00-0225</b>			<b>Electrical Output, Epoxy Coated Cast Iron High-Volume Turbine Meters</b> <small>(23 05 19 00-0218)</small>		
23 05 19 00-0226	EA		2", Electrical Output, Epoxy Coated Cast Iron High-Volume Turbine Meter.....	1,752.75	125.06
23 05 19 00-0227	EA		3", Electrical Output, Epoxy Coated Cast Iron High-Volume Turbine Meter.....	2,116.73	133.43
23 05 19 00-0228	EA		4", Electrical Output, Epoxy Coated Cast Iron High-Volume Turbine Meter.....	2,645.42	138.88
23 05 19 00-0229	EA		6", Electrical Output, Epoxy Coated Cast Iron High-Volume Turbine Meter.....	3,640.86	142.87
23 05 19 00-0230	EA		8", Electrical Output, Epoxy Coated Cast Iron High-Volume Turbine Meter.....	5,032.99	154.51
<b>23 05 19 00-0231</b>			<b>Bronze High-Volume Turbine Meters</b> <small>(23 05 19 00-0149)</small> Note: AWWA C-701, Class II.		
<b>23 05 19 00-0232</b>			<b>Mechanical Display, Bronze High-Volume Turbine Meters</b> <small>(23 05 19 00-0231)</small>		
23 05 19 00-0233	EA		1-1/2", 3 To 160 GPM Mechanical Display, Bronze High-Volume Turbine Meter (Master Meter).....	1,216.89	109.06
23 05 19 00-0234	EA		2", 4 To 350 GPM Mechanical Display, Bronze High-Volume Turbine Meter (Master Meter).....	1,403.15	125.06
23 05 19 00-0235	EA		3", 5 To 530 GPM Mechanical Display, Bronze High-Volume Turbine Meter (Master Meter).....	2,096.30	133.43
23 05 19 00-0236	EA		4", 9 To 1,350 GPM Mechanical Display, Bronze High-Volume Turbine Meter (Master Meter).....	3,074.47	138.88
23 05 19 00-0237	EA		6", 25 To 2,700 GPM Mechanical Display, Bronze High-Volume Turbine Meter (Master Meter).....	5,506.88	142.87
<b>23 05 19 00-0238</b>			<b>Electrical Output, Bronze High-Volume Turbine Meters</b> <small>(23 05 19 00-0231)</small>		
23 05 19 00-0239	EA		1-1/2", 3 To 160 GPM Electrical Output, Bronze High-Volume Turbine Meter.....	1,389.42	109.06
23 05 19 00-0240	EA		2", 4 To 350 GPM Electrical Output, Bronze High-Volume Turbine Meter.....	1,577.95	125.06
23 05 19 00-0241	EA		3", 5 To 530 GPM Electrical Output, Bronze High-Volume Turbine Meter.....	2,268.83	133.43
23 05 19 00-0242	EA		4", 9 To 1,350 GPM Electrical Output, Bronze High-Volume Turbine Meter.....	3,247.00	138.88
23 05 19 00-0243	EA		6", 25 To 2,700 GPM Electrical Output, Bronze High-Volume Turbine Meter.....	5,820.15	142.87



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0244				<b>Multi-Jet Meters</b> <small>(23 05 19 00-0149)</small>		
23 05 19 00-0245				<b>Hostile Environment Multi-Jet Meters</b> <small>(23 05 19 00-0244)</small>		
				Note: Wetted materials are Viton, PP, 316 stainless steel and electroless-nickel plated bronze. AWWA C-708, Class II.		
23 05 19 00-0246	EA			1/2", 1 To 20 GPM Hostile Environment Multi-Jet Meter (Master Meter) .....	744.63	22.90
23 05 19 00-0247	EA			3/4", 1 To 30 GPM Hostile Environment Multi-Jet Meter (Master Meter) .....	871.02	30.17
23 05 19 00-0248	EA			1", 1 To 50 GPM Hostile Environment Multi-Jet Meter (Master Meter) .....	1,068.06	34.54
23 05 19 00-0249	EA			1-1/2", 5 To 100 GPM Hostile Environment Multi-Jet Meter (Master Meter) .....	1,784.38	45.44
23 05 19 00-0250	EA			2", 8 To 160 GPM Hostile Environment Multi-Jet Meter (Master Meter) .....	2,539.69	51.99
23 05 19 00-0251				<b>High-Pressure Multi-Jet Meters</b> <small>(23 05 19 00-0244)</small>		
				Note: Wetted materials are bronze, glass-filled Noryl, PP and nylon. AWWA C-708, Class II.		
23 05 19 00-0252	EA			3/4", 1 To 30 GPM High-Pressure Multi-Jet Meter (Master Meter) .....	2,205.83	30.17
23 05 19 00-0253	EA			1", 1 To 50 GPM High-Pressure Multi-Jet Meter (Master Meter) .....	3,152.02	34.54
23 05 19 00-0254	EA			1-1/2", 5 To 100 GPM High-Pressure Multi-Jet Meter (Master Meter) .....	5,736.63	45.44
23 05 19 00-0255	EA			2", 8 To 160 GPM High-Pressure Multi-Jet Meter (Master Meter) .....	7,268.31	51.99
23 05 19 00-0256				<b>Flanged, 150 LB, 4-20 mA Output, Fabricated Steel Body, Main Propeller Meters</b> <small>(23 05 19 00-0149)</small>		
23 05 19 00-0257	EA			3", 45 To 250 GPM, Flanged, 150 LB, 4-20 mA Output, Fabricated Steel Body, Main Propeller Meter.....	2,685.40	241.14
23 05 19 00-0258	EA			4", 55 To 500 GPM, Flanged, 150 LB, 4-20 mA Output, Fabricated Steel Body, Main Propeller Meter.....	2,870.30	207.23
23 05 19 00-0259	EA			6", 120 To 1,200 GPM, Flanged, 150 LB, 4-20 mA Output, Fabricated Steel Body, Main Propeller Meter.....	3,165.99	261.76
23 05 19 00-0260	EA			8", 150 To 1,500 GPM, Flanged, 150 LB, 4-20 mA Output, Fabricated Steel Body, Main Propeller Meter.....	3,934.15	334.47
23 05 19 00-0261				<b>In-Line Flowmeters</b> <small>(23 05 19 00-0149)</small>		
23 05 19 00-0262				<b>Standard Flowmeter, Polyvinyl Chloride (PVC), Brass, 316 Stainless Steel, Viton</b> <small>(23 05 19 00-0261)</small>		
23 05 19 00-0263	EA			3/4" In Line Flowmeter .....	293.42	30.17
23 05 19 00-0264	EA			1" In Line Flowmeter .....	302.14	34.54
23 05 19 00-0265	EA			1-1/2" In Line Flowmeter .....	444.71	45.44
23 05 19 00-0266	EA			3/4" In Line Flowmeter With SPDP Switch .....	397.46	30.17
23 05 19 00-0267	EA			1" In Line Flowmeter With SPDP Switch .....	406.18	34.54
23 05 19 00-0268	EA			1-1/2" In Line Flowmeter With SPDP Switch .....	596.67	45.44
23 05 19 00-0269				<b>Water Flow Switches</b> <small>(23 05 19)</small>		
23 05 19 00-0270	EA			Flexible Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BF-1) .....	169.85	21.43
23 05 19 00-0271	EA			Rigid Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BR-1) .....	175.87	21.43
23 05 19 00-0272	EA			Flexible Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BF-1) .....	226.67	21.43
23 05 19 00-0273	EA			Rigid Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BR-1) .....	234.36	21.43
23 05 19 00-0274	EA			Flexible Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BF-1) .....	183.56	21.43
23 05 19 00-0275	EA			Rigid Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BR-1) .....	190.57	21.43
23 05 19 00-0276	EA			Flexible Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BF-1) .....	240.38	21.43
23 05 19 00-0277	EA			Rigid Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BR-1) .....	247.39	21.43
23 05 19 00-0278	EA			Flexible Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SF-1) .....	473.29	21.43
23 05 19 00-0279	EA			Rigid Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SR-1) .....	480.09	21.43
23 05 19 00-0280	EA			Flexible Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SF-1) .....	544.66	21.43
23 05 19 00-0281	EA			Rigid Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SR-1) .....	554.01	21.43
23 05 19 00-0282	EA			Flexible Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SF-1) .....	489.43	21.43
23 05 19 00-0283	EA			Rigid Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SR-1) .....	498.78	21.43
23 05 19 00-0284	EA			Flexible Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SF-1) .....	560.81	21.43
23 05 19 00-0285	EA			Rigid Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SR-1) .....	571.00	21.43
<b>23 05 23</b>				<b>General-Duty Valves For HVAC Piping</b> <small>(23 05)</small>		
				Note: Flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0577 for bolt and gasket sets.		
23 05 23 00-0001				<b>Gate Valves</b> <small>(23 05 23)</small>		
23 05 23 00-0002				<b>Class 125 Brazed Or Soldered Bronze Gate Valves</b> <small>(23 05 23 00-0001)</small>		
				Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve 105)		
23 05 23 00-0003	EA			1/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	56.46	7.08
				For 150 LB Rating, Add	3.58	
				For 200 LB Rating, Add	5.38	
				For Work In Restricted Working Space, Add	6.19	
23 05 23 00-0004	EA			3/8" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	57.54	7.08
				For 150 LB Rating, Add	3.58	
				For 200 LB Rating, Add	5.38	
				For Work In Restricted Working Space, Add	6.51	
23 05 23 00-0005	EA			1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	58.89	7.08
				For 150 LB Rating, Add	3.61	
				For 200 LB Rating, Add	5.41	
				For Work In Restricted Working Space, Add	6.85	
23 05 23 00-0006	EA			3/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	69.54	7.79
				For 150 LB Rating, Add	3.88	
				For 200 LB Rating, Add	5.81	
				For Work In Restricted Working Space, Add	9.24	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0007 EA 1" Diameter, 125 LB Brazerd Or Soldered Bronze Gate Valve .....	84.73	8.85
For 150 LB Rating, Add	4.75	
For 200 LB Rating, Add	7.12	
For Work In Restricted Working Space, Add	11.18	
23 05 23 00-0008 EA 1-1/4" Diameter, 125 LB Brazerd Or Soldered Bronze Gate Valve .....	124.71	9.41
For 150 LB Rating, Add	7.75	
For 200 LB Rating, Add	11.63	
For Work In Restricted Working Space, Add	14.16	
23 05 23 00-0009 EA 1-1/2" Diameter, 125 LB Brazerd Or Soldered Bronze Gate Valve .....	138.70	10.90
For 150 LB Rating, Add	8.42	
For 200 LB Rating, Add	12.63	
For Work In Restricted Working Space, Add	16.34	
23 05 23 00-0010 EA 2" Diameter, 125 LB Brazerd Or Soldered Bronze Gate Valve .....	166.41	12.89
For 150 LB Rating, Add	10.20	
For 200 LB Rating, Add	15.31	
For Work In Restricted Working Space, Add	19.31	
23 05 23 00-0011 EA 2-1/2" Diameter, 125 LB Brazerd Or Soldered Bronze Gate Valve .....	382.92	17.40
For 150 LB Rating, Add	29.60	
For 200 LB Rating, Add	44.40	
For Chain Operated Type, Add	133.20	
For Work In Restricted Working Space, Add	26.08	
23 05 23 00-0012 EA 3" Diameter, 125 LB Brazerd Or Soldered Bronze Gate Valve .....	449.57	20.21
For 150 LB Rating, Add	34.93	
For 200 LB Rating, Add	52.39	
For Work In Restricted Working Space, Add	30.09	
<b>23 05 23 00-0013 Class 125 Brazerd Or Soldered Bronze Lead Free Gate Valves</b> <small>(23 05 23 00-0001)</small>		
Note: 125 psi steam, basic rating, 200 psi cold working pressure. (Milwaukee Valve UP105, Nibco T113-LF)		
23 05 23 00-0014 EA 1/4" Diameter, 125 LB Brazerd Or Soldered Bronze Lead Free Gate Valve .....	68.41	7.08
For 150 LB Rating, Add	4.78	
For 200 LB Rating, Add	7.17	
For Work In Restricted Working Space, Add	6.19	
23 05 23 00-0015 EA 3/8" Diameter, 125 LB Brazerd Or Soldered Bronze Lead Free Gate Valve .....	69.38	7.08
For 150 LB Rating, Add	4.77	
For 200 LB Rating, Add	7.15	
For Work In Restricted Working Space, Add	6.51	
23 05 23 00-0016 EA 1/2" Diameter, 125 LB Brazerd Or Soldered Bronze Lead Free Gate Valve .....	80.96	7.08
For 150 LB Rating, Add	5.81	
For 200 LB Rating, Add	8.72	
For Work In Restricted Working Space, Add	6.85	
23 05 23 00-0017 EA 3/4" Diameter, 125 LB Brazerd Or Soldered Bronze Lead Free Gate Valve .....	91.61	7.79
For 150 LB Rating, Add	6.08	
For 200 LB Rating, Add	9.12	
For Work In Restricted Working Space, Add	9.24	
23 05 23 00-0018 EA 1" Diameter, 125 LB Brazerd Or Soldered Bronze Lead Free Gate Valve .....	109.92	8.85
For 150 LB Rating, Add	7.27	
For 200 LB Rating, Add	10.90	
For Work In Restricted Working Space, Add	11.18	
23 05 23 00-0019 EA 1-1/4" Diameter, 125 LB Brazerd Or Soldered Bronze Lead Free Gate Valve .....	159.15	9.41
For 150 LB Rating, Add	11.19	
For 200 LB Rating, Add	16.79	
For Work In Restricted Working Space, Add	14.16	
23 05 23 00-0020 EA 1-1/2" Diameter, 125 LB Brazerd Or Soldered Bronze Lead Free Gate Valve .....	182.02	10.90
For 150 LB Rating, Add	12.76	
For 200 LB Rating, Add	19.13	
For Work In Restricted Working Space, Add	16.34	
23 05 23 00-0021 EA 2" Diameter, 125 LB Brazerd Or Soldered Bronze Lead Free Gate Valve .....	233.36	12.89
For 150 LB Rating, Add	16.90	
For 200 LB Rating, Add	25.35	
For Work In Restricted Working Space, Add	19.31	
<b>23 05 23 00-0022 Class 125 Threaded, Bronze Gate Valves</b> <small>(23 05 23 00-0001)</small>		
Note: 125 psi steam, basic rating, 200 psi cold working pressure.		
23 05 23 00-0023 EA 1/4" Diameter, 125 LB, Threaded Bronze Gate Valve .....	49.76	7.08
For 150 LB Rating, Add	2.91	
For 200 LB Rating, Add	4.37	
For 250 LB Rating, Add	7.29	
For 300 LB Rating, Add	10.20	
For Work In Restricted Working Space, Add	6.19	
23 05 23 00-0024 EA 3/8" Diameter, 125 LB, Threaded Bronze Gate Valve .....	50.84	7.08
For 150 LB Rating, Add	2.91	
For 200 LB Rating, Add	4.37	
For 250 LB Rating, Add	7.29	
For 300 LB Rating, Add	10.20	
For Work In Restricted Working Space, Add	6.51	
23 05 23 00-0025 EA 1/2" Diameter, 125 LB, Threaded Bronze Gate Valve .....	51.98	7.08
For 150 LB Rating, Add	2.91	
For 200 LB Rating, Add	4.37	
For 250 LB Rating, Add	7.29	
For 300 LB Rating, Add	10.20	
For Work In Restricted Working Space, Add	6.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0026 EA 3/4" Diameter, 125 LB, Threaded Bronze Gate Valve .....	65.56	7.79
<i>For 150 LB Rating, Add</i>	3.48	
<i>For 200 LB Rating, Add</i>	5.22	
<i>For 250 LB Rating, Add</i>	8.69	
<i>For 300 LB Rating, Add</i>	12.17	
<i>For Work In Restricted Working Space, Add</i>	9.24	
23 05 23 00-0027 EA 1" Diameter, 125 LB, Threaded Bronze Gate Valve .....	89.79	8.85
<i>For 150 LB Rating, Add</i>	5.25	
<i>For 200 LB Rating, Add</i>	7.88	
<i>For 250 LB Rating, Add</i>	13.13	
<i>For 300 LB Rating, Add</i>	18.38	
<i>For Work In Restricted Working Space, Add</i>	11.18	
23 05 23 00-0028 EA 1-1/4" Diameter, 125 LB, Threaded Bronze Gate Valve .....	118.02	9.41
<i>For 150 LB Rating, Add</i>	7.08	
<i>For 200 LB Rating, Add</i>	10.62	
<i>For 250 LB Rating, Add</i>	17.70	
<i>For 300 LB Rating, Add</i>	24.78	
<i>For Work In Restricted Working Space, Add</i>	14.16	
23 05 23 00-0029 EA 1-1/2" Diameter, 125 LB, Threaded Bronze Gate Valve .....	143.71	10.90
<i>For 150 LB Rating, Add</i>	8.92	
<i>For 200 LB Rating, Add</i>	13.39	
<i>For 250 LB Rating, Add</i>	22.31	
<i>For 300 LB Rating, Add</i>	31.23	
<i>For Work In Restricted Working Space, Add</i>	16.34	
23 05 23 00-0030 EA 2" Diameter, 125 LB, Threaded Bronze Gate Valve .....	186.29	12.89
<i>For 150 LB Rating, Add</i>	12.19	
<i>For 200 LB Rating, Add</i>	18.29	
<i>For 250 LB Rating, Add</i>	30.48	
<i>For 300 LB Rating, Add</i>	42.67	
<i>For Work In Restricted Working Space, Add</i>	19.31	
23 05 23 00-0031 EA 2-1/2" Diameter, 125 LB, Threaded Bronze Gate Valve .....	434.65	17.40
<i>For 150 LB Rating, Add</i>	34.77	
<i>For 200 LB Rating, Add</i>	52.16	
<i>For 250 LB Rating, Add</i>	86.93	
<i>For 300 LB Rating, Add</i>	121.71	
<i>For Chain Operated Type, Add</i>	156.48	
<i>For Work In Restricted Working Space, Add</i>	26.08	
23 05 23 00-0032 EA 3" Diameter, 125 LB, Threaded Bronze Gate Valve .....	515.95	20.21
<i>For 150 LB Rating, Add</i>	41.57	
<i>For 200 LB Rating, Add</i>	62.35	
<i>For 250 LB Rating, Add</i>	103.92	
<i>For 300 LB Rating, Add</i>	145.48	
<i>For Chain Operated Type, Add</i>	187.05	
<i>For Work In Restricted Working Space, Add</i>	30.09	
23 05 23 00-0033 EA 4" Diameter, 125 LB, Threaded Bronze Gate Valve .....	1,104.30	22.82
<i>For 150 LB Rating, Add</i>	99.02	
<i>For 200 LB Rating, Add</i>	148.53	
<i>For 250 LB Rating, Add</i>	247.56	
<i>For 300 LB Rating, Add</i>	346.58	
<i>For Chain Operated Type, Add</i>	445.60	
<i>For Work In Restricted Working Space, Add</i>	34.22	
<b>23 05 23 00-0034 200 PSI, Non Rising Stem, Crimped Bronze Gate Valves</b> <small>(23 05 23 00-0001)</small>		
Note: 200 psi cold working pressure.		
23 05 23 00-0035 EA 1/2" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve .....	85.92	7.08
<i>For Work In Restricted Working Space, Add</i>	4.78	
23 05 23 00-0036 EA 3/4" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve .....	96.73	7.79
<i>For Work In Restricted Working Space, Add</i>	5.44	
23 05 23 00-0037 EA 1" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve .....	127.53	8.85
<i>For Work In Restricted Working Space, Add</i>	6.51	
23 05 23 00-0038 EA 1-1/4" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve .....	174.89	9.41
<i>For Work In Restricted Working Space, Add</i>	7.17	
23 05 23 00-0039 EA 1-1/2" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve .....	202.96	10.90
<i>For Work In Restricted Working Space, Add</i>	7.97	
23 05 23 00-0040 EA 2" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve .....	280.20	12.89
<i>For Work In Restricted Working Space, Add</i>	9.56	
<b>23 05 23 00-0041 Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valves</b> <small>(23 05 23 00-0001)</small>		
Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0042 EA 1-1/2" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	226.58	10.90
<i>For 150 LB Rating, Add</i>	34.42	
<i>For 250 LB Rating, Add</i>	60.24	
<i>For Chain Operated Type, Add</i>	60.24	
<i>For Work In Restricted Working Space, Add</i>	16.34	
23 05 23 00-0043 EA 2" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	355.19	12.89
<i>For 150 LB Rating, Add</i>	58.16	
<i>For 250 LB Rating, Add</i>	101.79	
<i>For Chain Operated Type, Add</i>	101.79	
<i>For Work In Restricted Working Space, Add</i>	19.31	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0044	EA		2-1/2" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	524.31	17.40
			<i>For 150 LB Rating, Add</i>	87.48	
			<i>For 250 LB Rating, Add</i>	153.09	
			<i>For Chain Operated Type, Add</i>	153.09	
			<i>For Work In Restricted Working Space, Add</i>	26.08	
23 05 23 00-0045	EA		3" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	674.18	20.21
			<i>For 150 LB Rating, Add</i>	114.78	
			<i>For 250 LB Rating, Add</i>	200.86	
			<i>For Chain Operated Type, Add</i>	200.86	
			<i>For Work In Restricted Working Space, Add</i>	30.09	
23 05 23 00-0046	EA		4" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	1,658.92	22.82
			<i>For 150 LB Rating, Add</i>	308.97	
			<i>For 250 LB Rating, Add</i>	540.69	
			<i>For Chain Operated Type, Add</i>	540.69	
			<i>For Work In Restricted Working Space, Add</i>	34.22	
<b>23 05 23 00-0047</b>			<b>Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valves</b> <small>(23 05 23 00-0001)</small>		
			Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0048	EA		1-1/2" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	257.04	74.35
			<i>For 150 LB Rating, Add</i>	47.52	
			<i>For 250 LB Rating, Add</i>	81.94	
			<i>For 300 LB Rating, ASTM A182, Add</i>	210.46	
			<i>For Chain Operated Type, Add</i>	81.94	
			<i>For Work In Restricted Working Space, Add</i>	27.95	
23 05 23 00-0049	EA		2" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	289.40	94.39
			<i>For 150 LB Rating, Add</i>	49.70	
			<i>For 250 LB Rating, Add</i>	85.70	
			<i>For 300 LB Rating, ASTM A182, Add</i>	230.40	
			<i>For Chain Operated Type, Add</i>	85.70	
			<i>For Work In Restricted Working Space, Add</i>	35.40	
23 05 23 00-0050	EA		2-1/2" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	324.15	94.52
			<i>For 150 LB Rating, Add</i>	59.63	
			<i>For 250 LB Rating, Add</i>	102.82	
			<i>For 300 LB Rating, ASTM A182, Add</i>	264.89	
			<i>For Chain Operated Type, Add</i>	102.82	
			<i>For Work In Restricted Working Space, Add</i>	35.56	
23 05 23 00-0051	EA		3" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	395.73	110.82
			<i>For 150 LB Rating, Add</i>	74.54	
			<i>For 250 LB Rating, Add</i>	128.52	
			<i>For 300 LB Rating, ASTM A182, Add</i>	326.38	
			<i>For Chain Operated Type, Add</i>	128.52	
			<i>For Work In Restricted Working Space, Add</i>	41.61	
23 05 23 00-0052	EA		4" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	575.53	185.79
			<i>For 150 LB Rating, Add</i>	99.39	
			<i>For 250 LB Rating, Add</i>	171.36	
			<i>For 300 LB Rating, ASTM A182, Add</i>	459.13	
			<i>For Chain Operated Type, Add</i>	171.36	
			<i>For Work In Restricted Working Space, Add</i>	69.84	
23 05 23 00-0053	EA		5" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	679.22	187.28
			<i>For 150 LB Rating, Add</i>	129.19	
			<i>For 250 LB Rating, Add</i>	222.75	
			<i>For 300 LB Rating, ASTM A182, Add</i>	562.36	
			<i>For Chain Operated Type, Add</i>	222.75	
			<i>For Work In Restricted Working Space, Add</i>	70.12	
23 05 23 00-0054	EA		6" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	809.28	208.08
			<i>For 150 LB Rating, Add</i>	158.99	
			<i>For 250 LB Rating, Add</i>	274.12	
			<i>For 300 LB Rating, ASTM A182, Add</i>	678.76	
			<i>For Chain Operated Type, Add</i>	274.12	
			<i>For Work In Restricted Working Space, Add</i>	78.31	
23 05 23 00-0055	EA		8" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	1,238.46	265.89
			<i>For 150 LB Rating, Add</i>	263.37	
			<i>For 250 LB Rating, Add</i>	454.09	
			<i>For 300 LB Rating, ASTM A182, Add</i>	1,073.32	
			<i>For Chain Operated Type, Add</i>	454.09	
			<i>For Work In Restricted Working Space, Add</i>	99.09	
23 05 23 00-0056	EA		10" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	1,603.98	323.69
			<i>For 150 LB Rating, Add</i>	347.82	
			<i>For 250 LB Rating, Add</i>	599.69	
			<i>For 300 LB Rating, ASTM A182, Add</i>	1,401.68	
			<i>For Chain Operated Type, Add</i>	599.69	
			<i>For Work In Restricted Working Space, Add</i>	121.38	
23 05 23 00-0057	EA		12" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	2,203.93	393.05
			<i>For 150 LB Rating, Add</i>	496.91	
			<i>For 250 LB Rating, Add</i>	856.75	
			<i>For 300 LB Rating, ASTM A182, Add</i>	1,958.71	
			<i>For Chain Operated Type, Add</i>	856.75	
			<i>For Work In Restricted Working Space, Add</i>	147.13	
<b>23 05 23 00-0058</b>			<b>Class 125 Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valves</b> <small>(23 05 23 00-0001)</small>		
			Note: 125 psi steam, basic rating. 200 psi cold working pressure.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0059 EA 1-1/2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	476.35	10.90
<i>For 175 LB Rating, Add</i>	210.94	
<i>For 250 LB Rating, Add</i>	316.41	
<i>For Work In Restricted Working Space, Add</i>	16.34	
23 05 23 00-0060 EA 2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	609.75	12.89
<i>For 175 LB Rating, Add</i>	272.69	
<i>For 250 LB Rating, Add</i>	409.04	
<i>For Work In Restricted Working Space, Add</i>	19.31	
23 05 23 00-0061 EA 2-1/2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	701.91	17.40
<i>For 175 LB Rating, Add</i>	307.50	
<i>For 250 LB Rating, Add</i>	461.24	
<i>For Work In Restricted Working Space, Add</i>	26.08	
23 05 23 00-0062 EA 3" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	778.87	20.21
<i>For 175 LB Rating, Add</i>	339.29	
<i>For 250 LB Rating, Add</i>	508.94	
<i>For Work In Restricted Working Space, Add</i>	30.09	
23 05 23 00-0063 EA 4" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	1,051.11	22.82
<i>For 175 LB Rating, Add</i>	468.52	
<i>For 250 LB Rating, Add</i>	702.77	
<i>For Work In Restricted Working Space, Add</i>	34.22	
<b>23 05 23 00-0064 Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valves</b> <small>(23 05 23 00-0001)</small>		
<small>Note: 125 psi steam, basic rating, 200 psi cold working pressure for up to 12". 100 psi steam, basic rating, 150 psi cold working pressure for &gt;12" to 24". 50 psi steam, basic rating. 150 psi cold working pressure for &gt;24".</small>		
23 05 23 00-0065 EA 1-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	329.41	74.35
<i>For 150 LB Rating, Add</i>	35.44	
<i>For 175 LB Rating, Add</i>	73.23	
<i>For 250 LB Rating, Add</i>	153.56	
<i>For Chain Operated Type, Add</i>	118.12	
<i>For Work In Restricted Working Space, Add</i>	27.95	
23 05 23 00-0066 EA 2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	361.26	94.39
<i>For 150 LB Rating, Add</i>	36.49	
<i>For 175 LB Rating, Add</i>	75.41	
<i>For 250 LB Rating, Add</i>	158.11	
<i>For Chain Operated Type, Add</i>	121.63	
<i>For Work In Restricted Working Space, Add</i>	35.40	
23 05 23 00-0067 EA 2-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	369.71	94.52
<i>For 150 LB Rating, Add</i>	37.68	
<i>For 175 LB Rating, Add</i>	77.87	
<i>For 250 LB Rating, Add</i>	163.27	
<i>For Chain Operated Type, Add</i>	125.60	
<i>For Work In Restricted Working Space, Add</i>	35.56	
23 05 23 00-0068 EA 3" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	415.08	110.82
<i>For 150 LB Rating, Add</i>	41.46	
<i>For 175 LB Rating, Add</i>	85.68	
<i>For 250 LB Rating, Add</i>	179.65	
<i>For Chain Operated Type, Add</i>	138.19	
<i>For Work In Restricted Working Space, Add</i>	41.61	
23 05 23 00-0069 EA 4" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	567.99	185.79
<i>For 150 LB Rating, Add</i>	50.28	
<i>For 175 LB Rating, Add</i>	103.91	
<i>For 250 LB Rating, Add</i>	217.87	
<i>For Chain Operated Type, Add</i>	167.59	
<i>For Work In Restricted Working Space, Add</i>	69.84	
23 05 23 00-0070 EA 5" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	701.38	187.28
<i>For 150 LB Rating, Add</i>	70.15	
<i>For 175 LB Rating, Add</i>	144.97	
<i>For 250 LB Rating, Add</i>	303.97	
<i>For Chain Operated Type, Add</i>	233.83	
<i>For Work In Restricted Working Space, Add</i>	70.12	
23 05 23 00-0071 EA 6" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	795.11	208.08
<i>For 150 LB Rating, Add</i>	80.11	
<i>For 175 LB Rating, Add</i>	165.56	
<i>For 250 LB Rating, Add</i>	347.15	
<i>For Chain Operated Type, Add</i>	267.04	
<i>For Work In Restricted Working Space, Add</i>	78.31	
23 05 23 00-0072 EA 8" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	1,233.55	265.89
<i>For 150 LB Rating, Add</i>	135.49	
<i>For 175 LB Rating, Add</i>	280.01	
<i>For 250 LB Rating, Add</i>	587.12	
<i>For Chain Operated Type, Add</i>	451.63	
<i>For Work In Restricted Working Space, Add</i>	99.09	
23 05 23 00-0073 EA 10" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	1,794.71	323.69
<i>For 150 LB Rating, Add</i>	208.52	
<i>For 175 LB Rating, Add</i>	430.93	
<i>For 250 LB Rating, Add</i>	903.57	
<i>For Chain Operated Type, Add</i>	695.06	
<i>For Work In Restricted Working Space, Add</i>	121.38	
23 05 23 00-0074 EA 12" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	2,252.29	393.05
<i>For 150 LB Rating, Add</i>	264.28	
<i>For 175 LB Rating, Add</i>	546.17	
<i>For 250 LB Rating, Add</i>	1,145.20	
<i>For Chain Operated Type, Add</i>	880.93	
<i>For Work In Restricted Working Space, Add</i>	147.13	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0075	EA		14" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	4,375.07	494.36
			<i>For 150 LB Rating, Add</i>	563.57	
			<i>For 175 LB Rating, Add</i>	1,164.71	
			<i>For 250 LB Rating, Add</i>	2,442.13	
			<i>For Work In Restricted Working Space, Add</i>	185.38	
23 05 23 00-0076	EA		16" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	5,677.10	543.80
			<i>For 150 LB Rating, Add</i>	749.60	
			<i>For 175 LB Rating, Add</i>	1,549.18	
			<i>For 250 LB Rating, Add</i>	3,248.28	
			<i>For Work In Restricted Working Space, Add</i>	203.92	
23 05 23 00-0077	EA		18" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	7,750.30	603.12
			<i>For 150 LB Rating, Add</i>	1,049.46	
			<i>For 175 LB Rating, Add</i>	2,168.88	
			<i>For 250 LB Rating, Add</i>	4,547.66	
			<i>For Work In Restricted Working Space, Add</i>	226.17	
23 05 23 00-0078	EA		20" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	9,843.67	679.74
			<i>For 150 LB Rating, Add</i>	1,349.10	
			<i>For 175 LB Rating, Add</i>	2,788.14	
			<i>For 250 LB Rating, Add</i>	5,846.09	
			<i>For Work In Restricted Working Space, Add</i>	254.90	
23 05 23 00-0079	EA		24" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	13,450.19	834.23
			<i>For 150 LB Rating, Add</i>	1,861.11	
			<i>For 175 LB Rating, Add</i>	3,846.29	
			<i>For 250 LB Rating, Add</i>	8,064.81	
			<i>For Work In Restricted Working Space, Add</i>	312.84	
23 05 23 00-0080	EA		30" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	28,065.07	1,359.49
			<i>For 150 LB Rating, Add</i>	3,954.86	
			<i>For 175 LB Rating, Add</i>	8,173.37	
			<i>For 250 LB Rating, Add</i>	17,137.72	
			<i>For Work In Restricted Working Space, Add</i>	509.81	
23 05 23 00-0081	EA		36" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	35,765.79	1,812.64
			<i>For 150 LB Rating, Add</i>	5,025.00	
			<i>For 175 LB Rating, Add</i>	10,384.99	
			<i>For 250 LB Rating, Add</i>	21,774.99	
			<i>For Work In Restricted Working Space, Add</i>	679.74	
23 05 23 00-0082	EA		42" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	42,209.03	2,500.58
			<i>For 150 LB Rating, Add</i>	5,862.50	
			<i>For 175 LB Rating, Add</i>	12,115.83	
			<i>For 250 LB Rating, Add</i>	25,404.15	
			<i>For Work In Restricted Working Space, Add</i>	937.72	
23 05 23 00-0083	EA		48" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	50,779.55	3,125.72
			<i>For 150 LB Rating, Add</i>	7,030.86	
			<i>For 175 LB Rating, Add</i>	14,530.44	
			<i>For 250 LB Rating, Add</i>	30,467.06	
			<i>For Work In Restricted Working Space, Add</i>	1,172.15	
23 05 23 00-0084	EA		54" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	60,935.46	3,750.87
			<i>For 150 LB Rating, Add</i>	8,437.03	
			<i>For 175 LB Rating, Add</i>	17,436.53	
			<i>For 250 LB Rating, Add</i>	36,560.47	
			<i>For Work In Restricted Working Space, Add</i>	1,406.57	
23 05 23 00-0085			<b>Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valves</b> (23 05 23 00-0001)		
			Note: 800 psig at 850 degrees F.		
23 05 23 00-0086	EA		1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	141.53	7.08
			<i>For Work In Restricted Working Space, Add</i>	6.19	
23 05 23 00-0087	EA		1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	143.75	7.08
			<i>For Work In Restricted Working Space, Add</i>	6.85	
23 05 23 00-0088	EA		3/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	167.92	7.79
			<i>For Work In Restricted Working Space, Add</i>	9.24	
23 05 23 00-0089	EA		1" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	203.89	8.85
			<i>For Work In Restricted Working Space, Add</i>	11.18	
23 05 23 00-0090	EA		1-1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	316.04	9.41
			<i>For Work In Restricted Working Space, Add</i>	14.16	
23 05 23 00-0091	EA		1-1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	374.43	10.90
			<i>For Work In Restricted Working Space, Add</i>	16.34	
23 05 23 00-0092	EA		2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	472.80	12.89
			<i>For Work In Restricted Working Space, Add</i>	19.31	
23 05 23 00-0093			<b>Cast Steel Flanged Gate Valves</b> (23 05 23 00-0001)		
23 05 23 00-0094			<b>Class 150, Cast Steel, Flanged, Gate Valves</b> (23 05 23 00-0093)		
23 05 23 00-0095	EA		2" Diameter, Class 150, Cast Steel, Flanged, Gate Valve.....	680.56	94.39
			<i>For Work In Restricted Working Space, Add</i>	35.40	
23 05 23 00-0096	EA		2-1/2" Diameter, Class 150, Cast Steel, Flanged, Gate Valve.....	925.38	94.52
			<i>For Work In Restricted Working Space, Add</i>	35.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0097 EA 3" Diameter, Class 150, Cast Steel, Flanged, Gate Valve .....	945.56	110.82
For Work In Restricted Working Space, Add	41.61	
23 05 23 00-0098 EA 4" Diameter, Class 150, Cast Steel, Flanged, Gate Valve .....	1,253.55	185.79
For Work In Restricted Working Space, Add	69.84	
23 05 23 00-0099 EA 6" Diameter, Class 150, Cast Steel, Flanged, Gate Valve .....	1,807.16	208.08
For Work In Restricted Working Space, Add	78.31	
23 05 23 00-0100 EA 8" Diameter, Class 150, Cast Steel, Flanged, Gate Valve .....	2,767.77	265.89
For Work In Restricted Working Space, Add	99.09	
23 05 23 00-0101 EA 10" Diameter, Class 150, Cast Steel, Flanged, Gate Valve .....	3,962.18	323.69
For Work In Restricted Working Space, Add	121.38	
23 05 23 00-0102 EA 12" Diameter, Class 150, Cast Steel, Flanged, Gate Valve .....	5,040.88	393.05
For Work In Restricted Working Space, Add	147.13	
<b>23 05 23 00-0103 Class 300, Cast Steel, Flanged, Gate Valves (23 05 23 00-0093)</b>		
23 05 23 00-0104 EA 2" Diameter, Class 300, Cast Steel, Flanged, Gate Valve .....	874.99	94.39
For Work In Restricted Working Space, Add	35.40	
23 05 23 00-0105 EA 2-1/2" Diameter, Class 300, Cast Steel, Flanged, Gate Valve .....	1,119.96	94.52
For Work In Restricted Working Space, Add	35.56	
23 05 23 00-0106 EA 3" Diameter, Class 300, Cast Steel, Flanged, Gate Valve .....	1,140.14	110.82
For Work In Restricted Working Space, Add	41.61	
23 05 23 00-0107 EA 4" Diameter, Class 300, Cast Steel, Flanged, Gate Valve .....	1,646.69	185.79
For Work In Restricted Working Space, Add	69.84	
23 05 23 00-0108 EA 6" Diameter, Class 300, Cast Steel, Flanged, Gate Valve .....	2,602.74	208.08
For Work In Restricted Working Space, Add	78.31	
23 05 23 00-0109 EA 8" Diameter, Class 300, Cast Steel, Flanged, Gate Valve .....	3,874.29	265.89
For Work In Restricted Working Space, Add	99.09	
23 05 23 00-0110 EA 10" Diameter, Class 300, Cast Steel, Flanged, Gate Valve .....	4,980.06	323.69
For Work In Restricted Working Space, Add	121.38	
23 05 23 00-0111 EA 12" Diameter, Class 300, Cast Steel, Flanged, Gate Valve .....	8,359.71	393.05
For Work In Restricted Working Space, Add	147.13	
<b>23 05 23 00-0112 Class 600, Cast Steel, Flanged, Gate Valves (23 05 23 00-0093)</b>		
23 05 23 00-0113 EA 2" Diameter, Class 600, Cast Steel, Flanged, Gate Valve .....	1,260.27	94.39
For Work In Restricted Working Space, Add	35.40	
23 05 23 00-0114 EA 2-1/2" Diameter, Class 600, Cast Steel, Flanged, Gate Valve .....	1,585.30	94.52
For Work In Restricted Working Space, Add	35.56	
23 05 23 00-0115 EA 3" Diameter, Class 600, Cast Steel, Flanged, Gate Valve .....	1,605.48	110.82
For Work In Restricted Working Space, Add	41.61	
23 05 23 00-0116 EA 4" Diameter, Class 600, Cast Steel, Flanged, Gate Valve .....	2,426.54	185.79
For Work In Restricted Working Space, Add	69.84	
23 05 23 00-0117 EA 6" Diameter, Class 600, Cast Steel, Flanged, Gate Valve .....	4,624.20	208.08
For Work In Restricted Working Space, Add	78.31	
23 05 23 00-0118 EA 8" Diameter, Class 600, Cast Steel, Flanged, Gate Valve .....	9,750.69	265.89
For Work In Restricted Working Space, Add	99.09	
23 05 23 00-0119 EA 10" Diameter, Class 600, Cast Steel, Flanged, Gate Valve .....	14,481.95	323.69
For Work In Restricted Working Space, Add	121.38	
23 05 23 00-0120 EA 12" Diameter, Class 600, Cast Steel, Flanged, Gate Valve .....	19,299.08	393.05
For Work In Restricted Working Space, Add	147.13	
<b>23 05 23 00-0121 Ball Valves (23 05 23)</b>		
<b>23 05 23 00-0122 Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves (23 05 23 00-0121)</b>		
Note: 125 LB WSP.		
23 05 23 00-0123 EA 1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve .....	31.90	7.08
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	4.08	
For Work In Restricted Working Space, Add	6.85	
23 05 23 00-0124 EA 3/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve .....	44.72	7.79
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	6.27	
For Work In Restricted Working Space, Add	9.24	
23 05 23 00-0125 EA 1" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve .....	56.08	8.85
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	8.46	
For Work In Restricted Working Space, Add	11.18	
23 05 23 00-0126 EA 1-1/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve .....	78.79	9.41
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	14.21	
For Work In Restricted Working Space, Add	14.16	
23 05 23 00-0127 EA 1-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve .....	94.80	10.90
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	18.15	
For Work In Restricted Working Space, Add	16.34	
23 05 23 00-0128 EA 2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve .....	114.89	12.89
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	22.73	
For Work In Restricted Working Space, Add	19.31	



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0129 EA 2-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	325.35	17.40
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	107.29	
For Work In Restricted Working Space, Add	26.08	
23 05 23 00-0130 EA 3" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	375.39	20.21
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	123.80	
For Work In Restricted Working Space, Add	30.09	
23 05 23 00-0131 EA 4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	489.13	22.82
For Extension Stems And Sleeves On Insulated Pipe, Add	2.63	
For Full Port, Add	168.77	
For Work In Restricted Working Space, Add	34.22	
<b>23 05 23 00-0132 Screwed, 150 LB, Full Port, Carbon Steel Ball Valves (23 05 23 00-0121)</b>		
23 05 23 00-0133 EA 1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	37.96	7.08
For Work In Restricted Working Space, Add	6.19	
23 05 23 00-0134 EA 1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	41.66	7.08
For Work In Restricted Working Space, Add	6.85	
23 05 23 00-0135 EA 3/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	58.01	7.79
For Work In Restricted Working Space, Add	9.24	
23 05 23 00-0136 EA 1" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	73.87	8.85
For Work In Restricted Working Space, Add	11.18	
23 05 23 00-0137 EA 1-1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	109.77	9.41
For Work In Restricted Working Space, Add	14.16	
23 05 23 00-0138 EA 1-1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	133.72	10.90
For Work In Restricted Working Space, Add	16.34	
23 05 23 00-0139 EA 2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	173.49	12.89
For Work In Restricted Working Space, Add	19.31	
<b>23 05 23 00-0140 Flanged, 150 LB, Full Port, Carbon Steel Ball Valves (23 05 23 00-0121)</b>		
23 05 23 00-0141 EA 4" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve.....	856.41	185.79
For Work In Restricted Working Space, Add	69.84	
23 05 23 00-0142 EA 6" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve.....	1,409.18	208.08
For Work In Restricted Working Space, Add	78.31	
23 05 23 00-0143 EA 8" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve.....	3,032.79	265.89
For Work In Restricted Working Space, Add	99.09	
<b>23 05 23 00-0144 Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valves (23 05 23 00-0121)</b>		
23 05 23 00-0145 EA 1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	27.75	7.08
For True Union Socket Or Thread Type, Add	3.16	
For Work In Restricted Working Space, Add	6.85	
23 05 23 00-0146 EA 3/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	36.44	7.79
For True Union Socket Or Thread Type, Add	3.88	
For Work In Restricted Working Space, Add	9.24	
23 05 23 00-0147 EA 1" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	45.15	8.85
For True Union Socket Or Thread Type, Add	5.11	
For Work In Restricted Working Space, Add	11.18	
23 05 23 00-0148 EA 1-1/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	57.55	9.41
For True Union Socket Or Thread Type, Add	6.61	
For Work In Restricted Working Space, Add	14.16	
23 05 23 00-0149 EA 1-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	72.47	10.90
For True Union Socket Or Thread Type, Add	10.06	
For Work In Restricted Working Space, Add	16.34	
23 05 23 00-0150 EA 2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	87.31	12.89
For True Union Socket Or Thread Type, Add	12.56	
For Work In Restricted Working Space, Add	19.31	
23 05 23 00-0151 EA 2-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	136.27	17.40
For True Union Socket Or Thread Type, Add	24.30	
For Work In Restricted Working Space, Add	26.08	
23 05 23 00-0152 EA 3" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	184.21	20.21
For True Union Socket Or Thread Type, Add	38.83	
For Work In Restricted Working Space, Add	30.09	
23 05 23 00-0153 EA 4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	274.53	22.82
For True Union Socket Or Thread Type, Add	70.17	
For Work In Restricted Working Space, Add	34.22	
<b>23 05 23 00-0154 Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves (23 05 23 00-0121)</b>		
23 05 23 00-0155 EA 1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	58.18	10.62
For Full Port, Add	12.26	
For Work In Restricted Working Space, Add	9.28	
23 05 23 00-0156 EA 3/8" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	59.81	10.62
For Full Port, Add	12.26	
For Work In Restricted Working Space, Add	9.77	
23 05 23 00-0157 EA 1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	61.52	10.62
For Full Port, Add	12.26	
For Work In Restricted Working Space, Add	10.28	
23 05 23 00-0158 EA 3/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	75.07	11.68
For Full Port, Add	13.00	
For Work In Restricted Working Space, Add	13.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0159 EA 1" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve ..... 98.70		13.27
<i>For Full Port, Add</i>	19.26	
<i>For Work In Restricted Working Space, Add</i>	16.77	
23 05 23 00-0160 EA 1-1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve ..... 129.38		14.13
<i>For Full Port, Add</i>	26.36	
<i>For Work In Restricted Working Space, Add</i>	21.24	
23 05 23 00-0161 EA 1-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve ..... 159.58		16.36
<i>For Full Port, Add</i>	35.05	
<i>For Work In Restricted Working Space, Add</i>	24.51	
23 05 23 00-0162 EA 2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve ..... 223.30		19.33
<i>For Full Port, Add</i>	57.03	
<i>For Work In Restricted Working Space, Add</i>	28.97	
23 05 23 00-0163 EA 2-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve ..... 437.96		26.11
<i>For Full Port, Add</i>	138.41	
<i>For Work In Restricted Working Space, Add</i>	39.11	
23 05 23 00-0164 EA 3" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve ..... 638.85		30.31
<i>For Full Port, Add</i>	219.78	
<i>For Work In Restricted Working Space, Add</i>	45.13	
<b>23 05 23 00-0165 Threaded, 150 LB, Full Port, Stainless Steel Body, Ball Valves <small>(23 05 23 00-0121)</small></b>		
23 05 23 00-0166 EA 1/2" Threaded, 150 LB, Full Port, Stainless Steel Body, Ball Valve ..... 65.60		7.08
<i>For Work In Restricted Working Space, Add</i>	6.85	
23 05 23 00-0167 EA 3/4" Threaded, 150 LB, Full Port, Stainless Steel Body, Ball Valve ..... 92.02		7.79
<i>For Work In Restricted Working Space, Add</i>	9.24	
23 05 23 00-0168 EA 1" Threaded, 150 LB, Full Port, Stainless Steel Body, Ball Valve ..... 118.90		8.85
<i>For Work In Restricted Working Space, Add</i>	11.18	
23 05 23 00-0169 EA 1-1/4" Threaded, 150 LB, Full Port, Stainless Steel Body, Ball Valve ..... 164.80		9.41
<i>For Work In Restricted Working Space, Add</i>	14.16	
23 05 23 00-0170 EA 1-1/2" Threaded, 150 LB, Full Port, Stainless Steel Body, Ball Valve ..... 211.89		10.90
<i>For Work In Restricted Working Space, Add</i>	16.34	
23 05 23 00-0171 EA 2" Threaded, 150 LB, Full Port, Stainless Steel Body, Ball Valve ..... 285.94		12.89
<i>For Work In Restricted Working Space, Add</i>	19.31	
23 05 23 00-0172 EA 2-1/2" Threaded, 150 LB, Full Port, Stainless Steel Body, Ball Valve ..... 567.96		17.40
<i>For Work In Restricted Working Space, Add</i>	26.08	
23 05 23 00-0173 EA 3" Threaded, 150 LB, Full Port, Stainless Steel Body, Ball Valve ..... 770.82		20.21
<i>For Work In Restricted Working Space, Add</i>	30.09	
<b>23 05 23 00-0174 Wye Strainer, Union With Two Pressure Ports, Ball Valves <small>(23 05 23 00-0121)</small></b>		
23 05 23 00-0175 EA 1/2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve ..... 146.49		7.08
23 05 23 00-0176 EA 3/4" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve ..... 187.16		9.20
23 05 23 00-0177 EA 1" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve ..... 242.45		11.33
23 05 23 00-0178 EA 1-1/4" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve ..... 332.76		15.58
23 05 23 00-0179 EA 1-1/2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve ..... 418.54		18.13
23 05 23 00-0180 EA 2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve ..... 556.25		21.24
<b>23 05 23 00-0181 Plastic Ball Valves <small>(23 05 23 00-0121)</small></b>		
Note: Threaded or socket.		
<b>23 05 23 00-0182 Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valves <small>(23 05 23 00-0181)</small></b>		
23 05 23 00-0183 EA 3/8" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346) ..... 59.02		7.08
23 05 23 00-0184 EA 1/2" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346) ..... 61.64		7.08
23 05 23 00-0185 EA 3/4" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346) ..... 76.90		7.79
23 05 23 00-0186 EA 1" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346) ..... 101.38		8.85
23 05 23 00-0187 EA 1-1/4" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346) ..... 118.77		9.41
23 05 23 00-0188 EA 1-1/2" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346) ..... 145.76		10.90
23 05 23 00-0189 EA 2" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346) ..... 178.88		12.89
<b>23 05 23 00-0190 Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valves <small>(23 05 23 00-0181)</small></b>		
23 05 23 00-0191 EA 3/8" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) ..... 95.52		7.08
23 05 23 00-0192 EA 1/2" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) ..... 96.48		7.08
23 05 23 00-0193 EA 3/4" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) ..... 120.03		7.79
23 05 23 00-0194 EA 1" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) ..... 148.41		8.85
23 05 23 00-0195 EA 1-1/4" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) ..... 229.68		9.41
23 05 23 00-0196 EA 1-1/2" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) ..... 253.53		10.90
23 05 23 00-0197 EA 2" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) ..... 304.90		12.89
<b>23 05 23 00-0198 Viton Liner And Seals, Polypropylene (PP) Ball Valves <small>(23 05 23 00-0181)</small></b>		
23 05 23 00-0199 EA 3/8" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346) ..... 107.96		7.08
23 05 23 00-0200 EA 1/2" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346) ..... 117.21		7.08

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0201 EA 3/4" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346) .....	131.64	7.79
23 05 23 00-0202 EA 1" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346) .....	161.68	8.85
23 05 23 00-0203 EA 1-1/4" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346) .....	203.14	9.41
23 05 23 00-0204 EA 1-1/2" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346) .....	245.23	10.90
23 05 23 00-0205 EA 2" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346) .....	321.48	12.89
<b>23 05 23 00-0206 Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valves</b> <small>(23 05 23 00-0181)</small>		
23 05 23 00-0207 EA 3/8" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	230.71	7.08
23 05 23 00-0208 EA 1/2" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	246.60	7.08
23 05 23 00-0209 EA 3/4" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	290.88	7.79
23 05 23 00-0210 EA 1" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	339.17	8.85
23 05 23 00-0211 EA 1-1/4" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346) .....	412.15	9.41
23 05 23 00-0212 EA 1-1/2" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346) .....	452.58	10.90
23 05 23 00-0213 EA 2" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....	520.54	12.89
<b>23 05 23 00-0214 Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valves</b> <small>(23 05 23 00-0181)</small>		
23 05 23 00-0215 EA 1/2" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact) .....	35.35	7.08
23 05 23 00-0216 EA 3/4" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact) .....	47.29	7.79
23 05 23 00-0217 EA 1" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact) .....	57.18	8.85
23 05 23 00-0218 EA 1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact) .....	82.38	9.41
23 05 23 00-0219 EA 1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact) .....	89.64	10.90
23 05 23 00-0220 EA 2" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact) .....	110.73	12.89
<b>23 05 23 00-0221 Plastic, True Union, Ball Valves</b> <small>(23 05 23 00-0121)</small>		
<b>23 05 23 00-0222 Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valves</b> <small>(23 05 23 00-0221)</small>		
Note: Socket or NPT connectors.		
23 05 23 00-0223 EA 3/8" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343) .....	104.64	7.08
23 05 23 00-0224 EA 1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343) .....	108.92	7.08
23 05 23 00-0225 EA 3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343) .....	129.98	7.79
23 05 23 00-0226 EA 1" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343) .....	160.02	8.85
23 05 23 00-0227 EA 1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343) .....	191.53	9.41
23 05 23 00-0228 EA 1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343) .....	220.35	10.90
23 05 23 00-0229 EA 2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343) .....	271.72	12.89
<b>23 05 23 00-0230 Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valves</b> <small>(23 05 23 00-0221)</small>		
Note: Socket or NPT connectors.		
23 05 23 00-0231 EA 3/8" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343) .....	106.30	7.08
23 05 23 00-0232 EA 1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343) .....	125.51	7.08
23 05 23 00-0233 EA 3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343) .....	131.64	7.79
23 05 23 00-0234 EA 1" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343) .....	160.02	8.85
23 05 23 00-0235 EA 1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343) .....	188.21	9.41
23 05 23 00-0236 EA 1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343) .....	218.69	10.90
23 05 23 00-0237 EA 2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343) .....	271.72	12.89
<b>23 05 23 00-0238 Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valves</b> <small>(23 05 23 00-0221)</small>		
Note: Socket or NPT connectors.		
23 05 23 00-0239 EA 1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) .....	50.86	7.08



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0240 EA 3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) .....	64.46	7.79
23 05 23 00-0241 EA 1" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) .....	77.08	8.85
23 05 23 00-0242 EA 1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) .....	102.78	9.41
23 05 23 00-0243 EA 1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) .....	120.82	10.90
23 05 23 00-0244 EA 2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) .....	172.19	12.89
23 05 23 00-0245 EA 2-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) .....	242.85	17.40
23 05 23 00-0246 EA 3" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) .....	312.62	20.21
23 05 23 00-0247 EA 4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) .....	462.43	22.82
<b>23 05 23 00-0248 Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valves</b> <small>(23 05 23 00-0221)</small>		
<i>Note: Socket or NPT connectors.</i>		
23 05 23 00-0249 EA 1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560) .....	62.47	7.08
23 05 23 00-0250 EA 3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560) .....	81.04	7.79
23 05 23 00-0251 EA 1" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560) .....	100.30	8.85
23 05 23 00-0252 EA 1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560) .....	143.42	9.41
23 05 23 00-0253 EA 1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560) .....	155.66	10.90
23 05 23 00-0254 EA 2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560) .....	203.71	12.89
23 05 23 00-0255 EA 2-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560) .....	368.92	17.40
23 05 23 00-0256 EA 3" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560) .....	432.05	20.21
23 05 23 00-0257 EA 4" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560) .....	694.66	22.82
<b>23 05 23 00-0258 Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves</b> <small>(23 05 23 00-0221)</small>		
<b>23 05 23 00-0259 Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves</b> <small>(23 05 23 00-0258)</small>		
23 05 23 00-0260 EA 1/4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	50.06	7.08
23 05 23 00-0261 EA 3/8" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	51.14	7.08
23 05 23 00-0262 EA 1/2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	52.10	7.08
23 05 23 00-0263 EA 3/4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	65.45	7.79
23 05 23 00-0264 EA 1" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	80.00	8.85
23 05 23 00-0265 EA 1-1/4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	99.17	9.41
23 05 23 00-0266 EA 1-1/2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	119.99	10.90
23 05 23 00-0267 EA 2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	153.95	12.89
23 05 23 00-0268 EA 2-1/2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	308.37	17.40
23 05 23 00-0269 EA 3" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	340.82	20.21
23 05 23 00-0270 EA 4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	488.14	22.82
<b>23 05 23 00-0271 Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves</b> <small>(23 05 23 00-0258)</small>		
23 05 23 00-0272 EA 1/4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	50.06	7.08
23 05 23 00-0273 EA 3/8" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	51.14	7.08
23 05 23 00-0274 EA 1/2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	52.10	7.08
23 05 23 00-0275 EA 3/4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	65.45	7.79
23 05 23 00-0276 EA 1" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	80.00	8.85
23 05 23 00-0277 EA 1-1/4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	99.17	9.41
23 05 23 00-0278 EA 1-1/2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	119.99	10.90
23 05 23 00-0279 EA 2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	153.95	12.89
23 05 23 00-0280 EA 2-1/2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	308.37	17.40
23 05 23 00-0281 EA 3" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	340.82	20.21
23 05 23 00-0282 EA 4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	488.14	22.82
<b>23 05 23 00-0283 Crimped Bronze, Ball Valves</b> <small>(23 05 23 00-0121)</small>		
<b>23 05 23 00-0284 Crimped Bronze, 250 PSI, Ball Valves</b> <small>(23 05 23 00-0283)</small>		
<i>Note: Nibco®</i>		
23 05 23 00-0285 EA 1/2" Crimped Bronze, 250 PSI, Ball Valve.....	58.20	7.08
<i>For Work In Restricted Working Space, Add</i>		4.78
23 05 23 00-0286 EA 3/4" Crimped Bronze, 250 PSI, Ball Valve.....	75.75	7.79
<i>For Work In Restricted Working Space, Add</i>		5.44
23 05 23 00-0287 EA 1" Crimped Bronze, 250 PSI, Ball Valve.....	97.51	8.85
<i>For Work In Restricted Working Space, Add</i>		6.51

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0288 EA 1-1/4" Crimped Bronze, 250 PSI, Ball Valve.....	159.52	9.41
For Work In Restricted Working Space, Add	7.17	
23 05 23 00-0289 EA 1-1/2" Crimped Bronze, 250 PSI, Ball Valve.....	211.74	10.90
For Work In Restricted Working Space, Add	7.97	
23 05 23 00-0290 EA 2" Crimped Bronze, 250 PSI, Ball Valve.....	320.57	12.89
For Work In Restricted Working Space, Add	9.56	
<b>23 05 23 00-0291 Crimped Bronze, 200 PSI, Full Port Ball Valves (23 05 23 00-0283)</b>		
23 05 23 00-0292 EA 1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	36.23	7.08
23 05 23 00-0293 EA 3/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	46.67	7.79
23 05 23 00-0294 EA 1" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	56.81	8.85
23 05 23 00-0295 EA 1-1/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	80.97	9.41
23 05 23 00-0296 EA 1-1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	105.57	10.90
23 05 23 00-0297 EA 2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	158.07	12.89
<b>23 05 23 00-0298 Crimped Bronze, 250 PSI, Full Port Ball Valves (23 05 23 00-0283)</b>		
23 05 23 00-0299 EA 1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	42.26	7.08
23 05 23 00-0300 EA 3/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	51.06	7.79
23 05 23 00-0301 EA 1" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	63.83	8.85
23 05 23 00-0302 EA 1-1/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	102.91	9.41
23 05 23 00-0303 EA 1-1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	152.76	10.90
23 05 23 00-0304 EA 2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	212.93	12.89
<b>23 05 23 00-0305 Crimped x Threaded Bronze, 250 PSI, Full Port Ball Valves (23 05 23 00-0283)</b>		
23 05 23 00-0306 EA 1/2" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve.....	40.62	7.08
23 05 23 00-0307 EA 3/4" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve.....	49.52	7.79
23 05 23 00-0308 EA 1" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve.....	60.32	8.85
<b>23 05 23 00-0309 Globe Valves (23 05 23)</b>		
<b>23 05 23 00-0310 Threaded Or Sweated, 125 LB, Bronze Body, Globe Valves (23 05 23 00-0309)</b>		
23 05 23 00-0311 EA 1/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	56.01	7.08
For 150 LB Rating, Add	10.28	
For 200 LB Rating, Add	12.60	
For 250 LB Rating, Add	14.93	
For 300 LB Rating, Add	18.24	
For Work In Restricted Working Space, Add	6.85	
23 05 23 00-0312 EA 1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	53.79	7.08
For 150 LB Rating, Add	10.28	
For 200 LB Rating, Add	12.60	
For 250 LB Rating, Add	14.93	
For 300 LB Rating, Add	18.24	
For Work In Restricted Working Space, Add	6.19	
23 05 23 00-0313 EA 3/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	71.21	7.08
For 150 LB Rating, Add	15.35	
For 200 LB Rating, Add	18.81	
For 250 LB Rating, Add	22.28	
For 300 LB Rating, Add	27.23	
For Work In Restricted Working Space, Add	6.51	
23 05 23 00-0314 EA 1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	72.35	7.08
For 150 LB Rating, Add	15.35	
For 200 LB Rating, Add	18.81	
For 250 LB Rating, Add	22.28	
For 300 LB Rating, Add	27.23	
For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	63.60	
For Work In Restricted Working Space, Add	6.85	
23 05 23 00-0315 EA 3/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	84.46	7.44
For 150 LB Rating, Add	16.64	
For 200 LB Rating, Add	20.39	
For 250 LB Rating, Add	24.15	
For 300 LB Rating, Add	29.52	
For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	71.35	
For Work In Restricted Working Space, Add	9.24	
23 05 23 00-0316 EA 1" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	109.81	7.44
For 150 LB Rating, Add	22.49	
For 200 LB Rating, Add	27.57	
For 250 LB Rating, Add	32.64	
For 300 LB Rating, Add	39.90	
For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	94.70	
For Work In Restricted Working Space, Add	11.18	
23 05 23 00-0317 EA 1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	172.49	9.41
For 150 LB Rating, Add	38.84	
For 200 LB Rating, Add	47.61	
For 250 LB Rating, Add	56.38	
For 300 LB Rating, Add	68.90	
For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	156.69	
For Work In Restricted Working Space, Add	14.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0318 EA 1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	233.52	10.90
<i>For 150 LB Rating, Add</i>	55.51	
<i>For 200 LB Rating, Add</i>	68.04	
<i>For 250 LB Rating, Add</i>	80.57	
<i>For 300 LB Rating, Add</i>	98.48	
<i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i>	218.74	
<i>For Work In Restricted Working Space, Add</i>	16.34	
23 05 23 00-0319 EA 2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	274.86	12.89
<i>For 150 LB Rating, Add</i>	65.25	
<i>For 200 LB Rating, Add</i>	79.99	
<i>For 250 LB Rating, Add</i>	94.72	
<i>For 300 LB Rating, Add</i>	115.77	
<i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i>	257.29	
<i>For Work In Restricted Working Space, Add</i>	19.31	
23 05 23 00-0320 EA 2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	299.13	17.40
<i>For 150 LB Rating, Add</i>	65.79	
<i>For 200 LB Rating, Add</i>	80.64	
<i>For 250 LB Rating, Add</i>	95.49	
<i>For 300 LB Rating, Add</i>	116.72	
<i>For Work In Restricted Working Space, Add</i>	26.08	
23 05 23 00-0321 EA 3" Globe Valve, Bronze, Threaded Or Soldered, 125 LB.....	575.73	20.21
<i>For 150 LB Rating, Add</i>	147.39	
<i>For 200 LB Rating, Add</i>	180.67	
<i>For 250 LB Rating, Add</i>	213.95	
<i>For 300 LB Rating, Add</i>	261.49	
<i>For Work In Restricted Working Space, Add</i>	30.09	
<b>23 05 23 00-0322 Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves</b> <small>(23 05 23 00-0309)</small>		
23 05 23 00-0323 EA 2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	434.18	12.89
<i>For 150 LB Rating, Add</i>	114.64	
<i>For 200 LB Rating, Add</i>	140.53	
<i>For 250 LB Rating, Add</i>	166.41	
<i>For 300 LB Rating, Add</i>	203.40	
<i>For Chain Operated Type, Add</i>	308.79	
<i>For Work In Restricted Working Space, Add</i>	19.31	
23 05 23 00-0324 EA 2-1/2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	535.17	17.40
<i>For 150 LB Rating, Add</i>	138.96	
<i>For 200 LB Rating, Add</i>	170.34	
<i>For 250 LB Rating, Add</i>	201.71	
<i>For 300 LB Rating, Add</i>	246.54	
<i>For Chain Operated Type, Add</i>	374.29	
<i>For Work In Restricted Working Space, Add</i>	26.08	
23 05 23 00-0325 EA 3" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	638.19	20.21
<i>For 150 LB Rating, Add</i>	166.75	
<i>For 200 LB Rating, Add</i>	204.40	
<i>For 250 LB Rating, Add</i>	242.06	
<i>For 300 LB Rating, Add</i>	295.85	
<i>For Chain Operated Type, Add</i>	449.15	
<i>For Work In Restricted Working Space, Add</i>	30.09	
23 05 23 00-0326 EA 4" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	831.25	22.82
<i>For 150 LB Rating, Add</i>	222.33	
<i>For 200 LB Rating, Add</i>	272.54	
<i>For 250 LB Rating, Add</i>	322.74	
<i>For 300 LB Rating, Add</i>	394.46	
<i>For Chain Operated Type, Add</i>	598.86	
<i>For Work In Restricted Working Space, Add</i>	34.22	
<b>23 05 23 00-0327 Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves</b> <small>(23 05 23 00-0309)</small>		
23 05 23 00-0328 EA 2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	258.40	94.39
<i>For 150 LB Rating, Add</i>	43.52	
<i>For 250 LB Rating, Add</i>	63.18	
<i>For Chain Operated Type, Add</i>	70.20	
<i>For Work In Restricted Working Space, Add</i>	35.40	
23 05 23 00-0329 EA 2-1/2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	289.67	94.52
<i>For 150 LB Rating, Add</i>	53.06	
<i>For 250 LB Rating, Add</i>	77.02	
<i>For Chain Operated Type, Add</i>	85.58	
<i>For Work In Restricted Working Space, Add</i>	35.56	
23 05 23 00-0330 EA 3" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	344.08	110.82
<i>For 150 LB Rating, Add</i>	63.67	
<i>For 250 LB Rating, Add</i>	92.42	
<i>For Chain Operated Type, Add</i>	102.69	
<i>For Work In Restricted Working Space, Add</i>	41.61	
23 05 23 00-0331 EA 4" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	506.65	185.79
<i>For 150 LB Rating, Add</i>	84.89	
<i>For 250 LB Rating, Add</i>	123.23	
<i>For Chain Operated Type, Add</i>	136.92	
<i>For Work In Restricted Working Space, Add</i>	69.84	
23 05 23 00-0332 EA 5" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	614.53	187.28
<i>For 150 LB Rating, Add</i>	118.05	
<i>For 250 LB Rating, Add</i>	171.36	
<i>For Chain Operated Type, Add</i>	190.40	
<i>For Work In Restricted Working Space, Add</i>	70.12	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0333	EA		6" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....	742.39	208.08
			<i>For 150 LB Rating, Add</i>	149.22	
			<i>For 250 LB Rating, Add</i>	216.61	
			<i>For Chain Operated Type, Add</i>	240.68	
			<i>For Work In Restricted Working Space, Add</i>	78.31	
23 05 23 00-0334	EA		8" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....	1,070.50	265.89
			<i>For 150 LB Rating, Add</i>	229.47	
			<i>For 250 LB Rating, Add</i>	333.09	
			<i>For Chain Operated Type, Add</i>	370.11	
			<i>For Work In Restricted Working Space, Add</i>	99.09	
23 05 23 00-0335	EA		10" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....	1,532.03	323.69
			<i>For 150 LB Rating, Add</i>	349.50	
			<i>For 250 LB Rating, Add</i>	507.34	
			<i>For Chain Operated Type, Add</i>	563.72	
			<i>For Work In Restricted Working Space, Add</i>	121.38	
23 05 23 00-0336	EA		12" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....	2,623.85	393.05
			<i>For 150 LB Rating, Add</i>	661.36	
			<i>For 250 LB Rating, Add</i>	960.03	
			<i>For Chain Operated Type, Add</i>	1,066.71	
			<i>For Work In Restricted Working Space, Add</i>	147.13	
<b>23 05 23 00-0337</b>			<b>Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valves</b> (23 05 23 00-0309)		
23 05 23 00-0338	EA		1/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	47.97	7.08
			<i>For 150 LB Rating, Add</i>	7.79	
			<i>For 200 LB Rating, Add</i>	9.55	
			<i>For 300 LB Rating, Add</i>	13.82	
			<i>For Work In Restricted Working Space, Add</i>	6.85	
23 05 23 00-0339	EA		1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	45.75	7.08
			<i>For 150 LB Rating, Add</i>	7.79	
			<i>For 200 LB Rating, Add</i>	9.55	
			<i>For 300 LB Rating, Add</i>	13.82	
			<i>For Work In Restricted Working Space, Add</i>	6.19	
23 05 23 00-0340	EA		3/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	46.83	7.08
			<i>For 150 LB Rating, Add</i>	7.79	
			<i>For 200 LB Rating, Add</i>	9.55	
			<i>For 300 LB Rating, Add</i>	13.82	
			<i>For Work In Restricted Working Space, Add</i>	6.51	
23 05 23 00-0341	EA		1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	49.64	7.08
			<i>For 150 LB Rating, Add</i>	8.31	
			<i>For 200 LB Rating, Add</i>	10.18	
			<i>For 300 LB Rating, Add</i>	14.74	
			<i>For Work In Restricted Working Space, Add</i>	6.85	
23 05 23 00-0342	EA		3/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	67.96	7.44
			<i>For 150 LB Rating, Add</i>	11.52	
			<i>For 200 LB Rating, Add</i>	14.12	
			<i>For 300 LB Rating, Add</i>	20.44	
			<i>For Work In Restricted Working Space, Add</i>	9.24	
23 05 23 00-0343	EA		1" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	86.04	7.44
			<i>For 150 LB Rating, Add</i>	15.12	
			<i>For 200 LB Rating, Add</i>	18.53	
			<i>For 300 LB Rating, Add</i>	26.82	
			<i>For Work In Restricted Working Space, Add</i>	11.18	
23 05 23 00-0344	EA		1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	119.66	9.41
			<i>For 150 LB Rating, Add</i>	22.46	
			<i>For 200 LB Rating, Add</i>	27.53	
			<i>For 300 LB Rating, Add</i>	39.85	
			<i>For Work In Restricted Working Space, Add</i>	14.16	
23 05 23 00-0345	EA		1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	138.93	10.90
			<i>For 150 LB Rating, Add</i>	26.18	
			<i>For 200 LB Rating, Add</i>	32.09	
			<i>For 300 LB Rating, Add</i>	46.45	
			<i>For Work In Restricted Working Space, Add</i>	16.34	
23 05 23 00-0346	EA		2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	191.59	12.89
			<i>For 150 LB Rating, Add</i>	39.44	
			<i>For 200 LB Rating, Add</i>	48.34	
			<i>For 300 LB Rating, Add</i>	69.97	
			<i>For Work In Restricted Working Space, Add</i>	19.31	
23 05 23 00-0347	EA		2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	323.89	18.91
			<i>For 150 LB Rating, Add</i>	71.14	
			<i>For 200 LB Rating, Add</i>	87.20	
			<i>For 300 LB Rating, Add</i>	126.21	
			<i>For Work In Restricted Working Space, Add</i>	28.32	
23 05 23 00-0348	EA		3" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	497.56	21.95
			<i>For 150 LB Rating, Add</i>	120.48	
			<i>For 200 LB Rating, Add</i>	147.68	
			<i>For 300 LB Rating, Add</i>	213.75	
			<i>For Work In Restricted Working Space, Add</i>	32.68	
<b>23 05 23 00-0349</b>			<b>Flanged, 125 LB, Iron Body, Angle Globe Valves</b> (23 05 23 00-0309)		
23 05 23 00-0350	EA		2" Flanged, 125 LB, Iron Body, Angle Globe Valve .....	479.22	94.39
			<i>For 250 LB Rating, Add</i>	216.73	
			<i>For Chain Operated Type, Add</i>	140.87	
			<i>For Work In Restricted Working Space, Add</i>	35.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0351 EA 2-1/2" Flanged, 125 LB, Iron Body, Angle Globe Valve .....	545.71	94.52
<i>For 250 LB Rating, Add</i>	256.31	
<i>For Chain Operated Type, Add</i>	166.60	
<i>For Work In Restricted Working Space, Add</i>	35.56	
23 05 23 00-0352 EA 3" Flanged, 125 LB, Iron Body, Angle Globe Valve .....	642.11	110.82
<i>For 250 LB Rating, Add</i>	302.05	
<i>For Chain Operated Type, Add</i>	196.33	
<i>For Work In Restricted Working Space, Add</i>	41.61	
23 05 23 00-0353 EA 4" Flanged, 125 LB, Iron Body, Angle Globe Valve .....	951.83	185.79
<i>For 250 LB Rating, Add</i>	431.41	
<i>For Chain Operated Type, Add</i>	280.42	
<i>For Work In Restricted Working Space, Add</i>	69.84	
23 05 23 00-0354 EA 5" Flanged, 125 LB, Iron Body, Angle Globe Valve .....	1,522.35	187.28
<i>For 250 LB Rating, Add</i>	773.17	
<i>For Chain Operated Type, Add</i>	502.56	
<i>For Work In Restricted Working Space, Add</i>	70.12	
23 05 23 00-0355 EA 6" Flanged, 125 LB, Iron Body, Angle Globe Valve .....	1,549.66	208.08
<i>For 250 LB Rating, Add</i>	773.17	
<i>For Chain Operated Type, Add</i>	502.56	
<i>For Work In Restricted Working Space, Add</i>	78.31	
23 05 23 00-0356 EA 8" Flanged, 125 LB, Iron Body, Angle Globe Valve .....	2,852.37	265.89
<i>For 250 LB Rating, Add</i>	1,513.25	
<i>For Chain Operated Type, Add</i>	983.61	
<i>For Work In Restricted Working Space, Add</i>	99.09	
<b>23 05 23 00-0357 Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valves (23 05 23 00-0309)</b>		
Note: 800 PSIG at 850 degrees F.		
23 05 23 00-0358 EA 1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve .....	181.34	11.47
<i>For Work In Restricted Working Space, Add</i>	6.19	
23 05 23 00-0359 EA 1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve .....	183.56	11.47
<i>For Work In Restricted Working Space, Add</i>	6.85	
23 05 23 00-0360 EA 3/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve .....	213.63	15.44
<i>For Work In Restricted Working Space, Add</i>	9.24	
23 05 23 00-0361 EA 1" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve .....	264.34	18.62
<i>For Work In Restricted Working Space, Add</i>	11.18	
23 05 23 00-0362 EA 1-1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve .....	436.48	23.58
<i>For Work In Restricted Working Space, Add</i>	14.16	
23 05 23 00-0363 EA 1-1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve .....	524.83	27.26
<i>For Work In Restricted Working Space, Add</i>	16.34	
23 05 23 00-0364 EA 2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve .....	670.39	32.22
<i>For Work In Restricted Working Space, Add</i>	19.31	
<b>23 05 23 00-0365 Polyvinyl Chloride (PVC), Angle Globe Valves (23 05 23 00-0309)</b>		
23 05 23 00-0366 EA 1/4" Polyvinyl Chloride (PVC), Angle Globe Valve .....	49.57	11.33
23 05 23 00-0367 EA 1/2" Polyvinyl Chloride (PVC), Angle Globe Valve .....	66.37	11.33
23 05 23 00-0368 EA 3/4" Polyvinyl Chloride (PVC), Angle Globe Valve .....	82.24	15.58
23 05 23 00-0369 EA 1" Polyvinyl Chloride (PVC), Angle Globe Valve .....	98.82	18.77
23 05 23 00-0370 EA 1-1/2" Polyvinyl Chloride (PVC), Angle Globe Valve .....	146.97	23.72
23 05 23 00-0371 EA 2" Polyvinyl Chloride (PVC), Angle Globe Valve .....	183.91	27.26
<b>23 05 23 00-0372 Flanged, Cast Steel, Globe Valves (23 05 23 00-0309)</b>		
<b>23 05 23 00-0373 Class 150, Flanged, Cast Steel, Globe Valves (23 05 23 00-0372)</b>		
23 05 23 00-0374 EA 2" Class 150, Flanged, Cast Steel, Globe Valve .....	730.49	94.39
<i>For Work In Restricted Working Space, Add</i>	35.40	
23 05 23 00-0375 EA 2-1/2" Class 150, Flanged, Cast Steel, Globe Valve .....	1,010.62	94.52
<i>For Work In Restricted Working Space, Add</i>	35.56	
23 05 23 00-0376 EA 3" Class 150, Flanged, Cast Steel, Globe Valve .....	1,030.80	110.82
<i>For Work In Restricted Working Space, Add</i>	41.61	
23 05 23 00-0377 EA 4" Class 150, Flanged, Cast Steel, Globe Valve .....	1,474.93	185.79
<i>For Work In Restricted Working Space, Add</i>	69.84	
23 05 23 00-0378 EA 6" Class 150, Flanged, Cast Steel, Globe Valve .....	2,226.73	208.08
<i>For Work In Restricted Working Space, Add</i>	78.31	
23 05 23 00-0379 EA 8" Class 150, Flanged, Cast Steel, Globe Valve .....	3,595.67	265.89
<i>For Work In Restricted Working Space, Add</i>	99.09	
23 05 23 00-0380 EA 10" Class 150, Flanged, Cast Steel, Globe Valve .....	7,972.17	323.69
<i>For Work In Restricted Working Space, Add</i>	121.38	
23 05 23 00-0381 EA 12" Class 150, Flanged, Cast Steel, Globe Valve .....	7,361.37	393.05
<i>For Work In Restricted Working Space, Add</i>	147.13	
<b>23 05 23 00-0382 Class 300, Flanged, Cast Steel, Globe Valves (23 05 23 00-0372)</b>		
23 05 23 00-0383 EA 2" Class 300, Flanged, Cast Steel, Globe Valve .....	942.18	94.39
<i>For Work In Restricted Working Space, Add</i>	35.40	
23 05 23 00-0384 EA 2-1/2" Class 300, Flanged, Cast Steel, Globe Valve .....	1,225.75	94.52
<i>For Work In Restricted Working Space, Add</i>	35.56	
23 05 23 00-0385 EA 3" Class 300, Flanged, Cast Steel, Globe Valve .....	1,245.93	110.82
<i>For Work In Restricted Working Space, Add</i>	41.61	



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0386 EA 4" Class 300, Flanged, Cast Steel, Globe Valve.....	1,953.34	185.79
<i>For Work In Restricted Working Space, Add</i>	<i>69.84</i>	
23 05 23 00-0387 EA 6" Class 300, Flanged, Cast Steel, Globe Valve.....	3,238.20	208.08
<i>For Work In Restricted Working Space, Add</i>	<i>78.31</i>	
23 05 23 00-0388 EA 8" Class 300, Flanged, Cast Steel, Globe Valve.....	5,078.02	265.89
<i>For Work In Restricted Working Space, Add</i>	<i>99.09</i>	
23 05 23 00-0389 EA 10" Class 300, Flanged, Cast Steel, Globe Valve.....	10,137.37	323.69
<i>For Work In Restricted Working Space, Add</i>	<i>121.38</i>	
23 05 23 00-0390 EA 12" Class 300, Flanged, Cast Steel, Globe Valve.....	12,372.63	393.05
<i>For Work In Restricted Working Space, Add</i>	<i>147.13</i>	
<b>23 05 23 00-0391 Class 600, Flanged, Cast Steel, Globe Valves (23 05 23 00-0372)</b>		
23 05 23 00-0392 EA 2" Class 600, Flanged, Cast Steel, Globe Valve.....	1,298.15	94.39
<i>For Work In Restricted Working Space, Add</i>	<i>35.40</i>	
23 05 23 00-0393 EA 2-1/2" Class 600, Flanged, Cast Steel, Globe Valve.....	1,904.82	94.52
<i>For Work In Restricted Working Space, Add</i>	<i>35.56</i>	
23 05 23 00-0394 EA 3" Class 600, Flanged, Cast Steel, Globe Valve.....	1,925.00	110.82
<i>For Work In Restricted Working Space, Add</i>	<i>41.61</i>	
23 05 23 00-0395 EA 4" Class 600, Flanged, Cast Steel, Globe Valve.....	2,974.80	185.79
<i>For Work In Restricted Working Space, Add</i>	<i>69.84</i>	
23 05 23 00-0396 EA 6" Class 600, Flanged, Cast Steel, Globe Valve.....	5,921.57	208.08
<i>For Work In Restricted Working Space, Add</i>	<i>78.31</i>	
23 05 23 00-0397 EA 8" Class 600, Flanged, Cast Steel, Globe Valve.....	10,467.64	265.89
<i>For Work In Restricted Working Space, Add</i>	<i>99.09</i>	
23 05 23 00-0398 EA 10" Class 600, Flanged, Cast Steel, Globe Valve.....	15,553.33	323.69
<i>For Work In Restricted Working Space, Add</i>	<i>121.38</i>	
23 05 23 00-0399 EA 12" Class 600, Flanged, Cast Steel, Globe Valve.....	20,730.53	393.05
<i>For Work In Restricted Working Space, Add</i>	<i>147.13</i>	
<b>23 05 23 00-0400 Triple Duty Valves (23 05 23)</b>		
Note: Valves function as a shut-off, check valve and calibrated balancing valve.		
<b>23 05 23 00-0401 Straight Pattern, Triple Duty Valves (23 05 23 00-0400)</b>		
Note: Bell & Gossett 3DX and 3DS-S Series.		
23 05 23 00-0402 EA 1" Threaded, Straight Pattern, Triple Duty Valve.....	222.54	7.44
23 05 23 00-0403 EA 1-1/4" Threaded, Straight Pattern, Triple Duty Valve.....	256.92	9.41
23 05 23 00-0404 EA 1-1/2" Threaded, Straight Pattern, Triple Duty Valve.....	278.19	10.90
23 05 23 00-0405 EA 2" Flanged, Straight Pattern, Triple Duty Valve.....	726.31	94.39
23 05 23 00-0406 EA 2-1/2" Flanged, Straight Pattern, Triple Duty Valve.....	821.21	94.52
23 05 23 00-0407 EA 3" Flanged, Straight Pattern, Triple Duty Valve.....	897.32	110.82
23 05 23 00-0408 EA 4" Flanged, Straight Pattern, Triple Duty Valve.....	1,847.94	185.79
23 05 23 00-0409 EA 5" Flanged, Straight Pattern Triple Duty Valve.....	2,139.03	187.28
23 05 23 00-0410 EA 6" Flanged, Straight Pattern, Triple Duty Valve.....	2,862.03	208.08
23 05 23 00-0411 EA 8" Flanged, Straight Pattern, Triple Duty Valve.....	3,861.21	265.89
23 05 23 00-0412 EA 10" Flanged, Straight Pattern, Triple Duty Valve.....	6,235.86	323.69
<b>23 05 23 00-0413 Flanged, Angle Pattern, Triple Duty Valves (23 05 23 00-0400)</b>		
Note: Bell & Gossett 3D-S Series.		
23 05 23 00-0414 EA 2" Flanged, Angle Pattern, Triple Duty Valve.....	708.83	94.39
23 05 23 00-0415 EA 2-1/2" Flanged, Angle Pattern, Triple Duty Valve.....	800.23	94.52
23 05 23 00-0416 EA 3" Flanged, Angle Pattern, Triple Duty Valve.....	879.84	110.82
23 05 23 00-0417 EA 4" Flanged, Angle Pattern, Triple Duty Valve.....	1,802.50	185.79
23 05 23 00-0418 EA 5" Flanged, Angle Pattern, Triple Duty Valve.....	2,083.09	187.28
23 05 23 00-0419 EA 6" Flanged, Angle Pattern, Triple Duty Valve.....	2,337.64	208.08
23 05 23 00-0420 EA 8" Flanged, Angle Pattern, Triple Duty Valve.....	3,613.00	265.89
23 05 23 00-0421 EA 10" Flanged, Angle Pattern, Triple Duty Valve.....	4,840.97	323.69
<b>23 05 23 00-0422 Balanced, Straight Pattern, Triple Duty Valves (23 05 23 00-0400)</b>		
Note: Bell & Gossett 3DS-B Series.		
23 05 23 00-0423 EA 3" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	820.41	110.82
23 05 23 00-0424 EA 4" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	1,645.18	185.79
23 05 23 00-0425 EA 5" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	1,904.80	187.28
23 05 23 00-0426 EA 6" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	2,543.90	208.08
23 05 23 00-0427 EA 8" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	3,427.71	265.89
23 05 23 00-0428 EA 10" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	5,512.20	323.69
23 05 23 00-0429 EA 12" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	8,335.40	393.05
23 05 23 00-0430 EA 14" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	10,137.28	462.40
23 05 23 00-0431 EA 16" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	12,729.04	508.65
<b>23 05 23 00-0432 Grooved Straight Pattern, Triple Duty Valves (23 05 23 00-0400)</b>		
Note: Bell & Gossett 3DS-G Series.		
23 05 23 00-0433 EA 2" Grooved, Straight Pattern, Triple Duty Valve.....	794.96	17.49
23 05 23 00-0434 EA 2-1/2" Grooved, Straight Pattern, Triple Duty Valve.....	947.42	20.86
23 05 23 00-0435 EA 3" Grooved, Straight Pattern, Triple Duty Valve.....	1,103.66	22.62
23 05 23 00-0436 EA 4" Grooved, Straight Pattern, Triple Duty Valve.....	1,837.26	24.38
23 05 23 00-0437 EA 5" Grooved, Straight Pattern, Triple Duty Valve.....	2,124.03	29.48
23 05 23 00-0438 EA 6" Grooved, Straight Pattern Triple Duty Valve.....	2,832.43	37.80
23 05 23 00-0439 EA 8" Grooved, Straight Pattern Triple Duty Valve.....	3,854.30	47.97



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 05 23 00-0440	EA		10" Grooved, Straight Pattern Triple Duty Valve.....	6,093.97	53.75
	23 05 23 00-0441	EA		12" Grooved, Straight Pattern Triple Duty Valve.....	9,686.66	65.55
<b>23 05 23 00-0442</b>	<b>Plug Valves (23 05 23)</b>					
<b>23 05 23 00-0443</b>	<b>Plug Valves, Lubricated, Semisteel Screwed, Wrench Operated (23 05 23 00-0442)</b>					
	Note: Includes wrench.					
	23 05 23 00-0444	EA		1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	257.92	7.08
	23 05 23 00-0445	EA		3/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	265.87	7.79
	23 05 23 00-0446	EA		1" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	337.12	8.85
	23 05 23 00-0447	EA		1-1/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	402.23	9.41
	23 05 23 00-0448	EA		1-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	440.68	10.90
	23 05 23 00-0449	EA		2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	520.14	12.89
	23 05 23 00-0450	EA		2-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	784.97	17.40
	23 05 23 00-0451	EA		3" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	963.86	20.21
<b>23 05 23 00-0452</b>	<b>Plug Valves, Lubricated, Semisteel Flanged (23 05 23 00-0442)</b>					
	Note: Wrench operated for 4", gear operated for 6" and 10".					
	23 05 23 00-0453	EA		2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	267.93	94.39
	23 05 23 00-0454	EA		2-1/2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	316.00	94.52
	23 05 23 00-0455	EA		3" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	386.85	110.82
	23 05 23 00-0456	EA		4" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	568.84	185.79
	23 05 23 00-0457	EA		6" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	1,157.47	208.08
	23 05 23 00-0458	EA		8" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	1,945.32	265.89
	23 05 23 00-0459	EA		10" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	3,095.97	323.69
	23 05 23 00-0460	EA		12" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	4,575.58	393.05
<b>23 05 23 00-0461</b>	<b>Plug Valves, Forged Steel, Screwed (23 05 23 00-0442)</b>					
	23 05 23 00-0462	EA		1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,028.37	7.08
	23 05 23 00-0463	EA		3/4" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,213.00	7.79
	23 05 23 00-0464	EA		1" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,369.98	8.85
	23 05 23 00-0465	EA		1-1/4" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,642.39	9.41
	23 05 23 00-0466	EA		1-1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,912.85	10.90
	23 05 23 00-0467	EA		2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	2,520.40	12.89
<b>23 05 23 00-0468</b>	<b>Plug Valves, Eccentric, Cast Iron Flanged (23 05 23 00-0442)</b>					
	23 05 23 00-0469	EA		4" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	674.04	185.79
	23 05 23 00-0470	EA		6" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	1,017.63	208.08
	23 05 23 00-0471	EA		8" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	1,384.90	265.89
	23 05 23 00-0472	EA		10" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	1,965.53	323.69
	23 05 23 00-0473	EA		12" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	2,538.88	393.05
<b>23 05 23 00-0474</b>	<b>Foot Valves (23 05 23)</b>					
<b>23 05 23 00-0475</b>	<b>Single Poppet Foot Valves, Metal To Metal Seat Construction (23 05 23 00-0474)</b>					
	23 05 23 00-0476	EA		1" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	71.13	18.18
	23 05 23 00-0477	EA		1-1/4" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	81.37	20.36
	23 05 23 00-0478	EA		1-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	107.46	23.27
	23 05 23 00-0479	EA		2" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	145.27	26.18
	23 05 23 00-0480	EA		2-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	347.52	42.90
	23 05 23 00-0481	EA		3" Single Poppet Foot Valve, Metal To Metal Seat Construction.....	447.05	52.35
<b>23 05 23 00-0482</b>	<b>Double Poppet Foot Valves, Metal To Metal Seat Construction (23 05 23 00-0474)</b>					
	23 05 23 00-0483	EA		1" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	71.13	18.18
	23 05 23 00-0484	EA		1-1/4" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	170.75	20.36
	23 05 23 00-0485	EA		1-1/2" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	159.02	23.27
	23 05 23 00-0486	EA		2" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	220.87	26.18
	23 05 23 00-0487	EA		3" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	441.25	42.90
	23 05 23 00-0488	EA		4" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	606.08	51.62
<b>23 05 23 00-0489</b>	<b>Foot Valves, Buna-N-Ring And Stainless Steel Screen, SSI Model (23 05 23 00-0474)</b>					
<b>23 05 23 00-0490</b>	<b>Flanged Cast Iron Foot Valves, ASTM A126 Grade B (SSI 125FVIB) (23 05 23 00-0489)</b>					
	23 05 23 00-0491	EA		2" Flanged Cast Iron Foot Valve With Stainless Steel Screen, 125FVIB.....	363.68	43.46
	23 05 23 00-0492	EA		2-1/2" Flanged Cast Iron Foot Valve With Stainless Steel Screen, 125FVIB.....	430.65	47.41
	23 05 23 00-0493	EA		3" Flanged Cast Iron Foot Valve With Stainless Steel Screen, 125FVIB.....	529.24	55.48
	23 05 23 00-0494	EA		4" Flanged Cast Iron Foot Valve With Stainless Steel Screen, 125FVIB.....	675.56	93.12
	23 05 23 00-0495	EA		6" Flanged Cast Iron Foot Valve With Stainless Steel Screen, 125FVIB.....	1,033.92	117.76
	23 05 23 00-0496	EA		8" Flanged Cast Iron Foot Valve With Stainless Steel Screen, 125FVIB.....	1,421.20	149.01
	23 05 23 00-0497	EA		10" Flanged Cast Iron Foot Valve With Stainless Steel Screen, 125FVIB.....	2,119.05	182.52
	23 05 23 00-0498	EA		12" Flanged Cast Iron Foot Valve With Stainless Steel Screen, 125FVIB.....	3,333.73	221.24

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 05 23 00-0499		<b>Flanged Cast Steel Foot Valve, ASTM A216 WBC (SSI 150FVFS)</b> (23 05 23 00-0489)			
23 05 23 00-0500	EA	2" Flanged Cast Steel Foot Valve With Stainless Steel Screen, 125FVFS.....	432.55		43.46
23 05 23 00-0501	EA	4" Flanged Cast Steel Foot Valve With Stainless Steel Screen, 125FVFS.....	651.79		93.12
23 05 23 00-0502	EA	6" Flanged Cast Steel Foot Valve With Stainless Steel Screen, 125FVFS.....	977.01		117.76
23 05 23 00-0503	EA	8" Flanged Cast Steel Foot Valve With Stainless Steel Screen, 125FVFS.....	1,443.53		149.01
23 05 23 00-0504	EA	10" Flanged Cast Steel Foot Valve With Stainless Steel Screen, 125FVFS.....	1,977.88		182.52
23 05 23 00-0505	EA	12" Flanged Cast Steel Foot Valve With Stainless Steel Screen, 125FVFS.....	2,877.03		221.24
23 05 23 00-0506		<b>Flanged Cast Stainless Steel Foot Valve, ASTM A351 Grade CF8M (SSI 150FVFS)</b> (23 05 23 00-0489)			
23 05 23 00-0507	EA	2" Flanged Cast Stainless Steel Foot Valve With Stainless Steel Screen, 125FVFS.....	648.55		43.46
23 05 23 00-0508	EA	4" Flanged Cast Stainless Steel Foot Valve With Stainless Steel Screen, 125FVFS.....	1,102.54		93.12
23 05 23 00-0509	EA	6" Flanged Cast Stainless Steel Foot Valve With Stainless Steel Screen, 125FVFS.....	1,722.85		70.44
23 05 23 00-0510	EA	8" Flanged Cast Stainless Steel Foot Valve With Stainless Steel Screen, 125FVFS.....	2,569.15		149.01
23 05 23 00-0511	EA	10" Flanged Cast Stainless Steel Foot Valve With Stainless Steel Screen, 125FVFS.....	3,738.23		182.52
23 05 23 00-0512	EA	12" Flanged Cast Stainless Steel Foot Valve With Stainless Steel Screen, 125FVFS.....	6,366.11		221.24
23 05 23 00-0513		<b>Float Valves</b> (23 05 23)			
23 05 23 00-0514		<b>Float Valve Assembly For Maintaining Liquid Level In Tanks</b> (23 05 23 00-0513)			
23 05 23 00-0515		<b>Single Seat, Bronze Construction</b> (23 05 23 00-0514)			
		Note: For storage tanks, reservoirs, cooling towers and filtration plants.			
23 05 23 00-0516	EA	Inlet Size 1/2", Maximum PSI 100, Single Seat Float Valve.....	191.33		14.87
23 05 23 00-0517	EA	Inlet Size 3/4", Maximum PSI 100, Single Seat Float Valve.....	218.61		17.71
23 05 23 00-0518	EA	Inlet Size 1", Maximum PSI 100, Single Seat Float Valve.....	288.16		19.12
23 05 23 00-0519	EA	Inlet Size 1-1/4", Maximum PSI 90, Single Seat Float Valve.....	488.94		24.08
23 05 23 00-0520	EA	Inlet Size 1-1/2", Maximum PSI 90, Single Seat Float Valve.....	496.02		27.61
23 05 23 00-0521		<b>Double Seat, Bronze Construction</b> (23 05 23 00-0514)			
		Note: For hot or cold water or oil to open tanks.			
23 05 23 00-0522	EA	Pipe Size 1/2" Maximum PSI 150, Double Seat Float Valve.....	1,096.04		14.87
23 05 23 00-0523	EA	Pipe Size 3/4" Maximum PSI 150, Double Seat Float Valve.....	1,101.70		17.71
23 05 23 00-0524	EA	Pipe Size 1" Maximum PSI 150, Double Seat Float Valve.....	1,273.47		19.12
23 05 23 00-0525	EA	Pipe Size 1-1/4" Maximum PSI 150, Double Seat Float Valve.....	1,404.55		24.08
23 05 23 00-0526	EA	Pipe Size 1-1/2" Maximum PSI 150, Double Seat Float Valve.....	1,605.50		27.61
23 05 23 00-0527	EA	Pipe Size 2" Maximum PSI 150, Double Seat Float Valve.....	2,109.79		32.57
23 05 23 00-0528	EA	Pipe Size 2-1/2" Maximum PSI 150, Double Seat Float Valve.....	2,447.10		43.67
23 05 23 00-0529	EA	Pipe Size 3" Maximum PSI 150, Double Seat Float Valve.....	2,945.47		50.20
23 05 23 00-0530		<b>Float Valve Single Seated Balanced For Air Oil Or Water</b> (23 05 23 00-0513)			
		Note: Includes arm, ball and bracket.			
23 05 23 00-0531		<b>Brass Body Threaded Ends</b> (23 05 23 00-0530)			
23 05 23 00-0532	EA	1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	189.79		19.19
23 05 23 00-0533	EA	3/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	215.07		21.32
23 05 23 00-0534	EA	1" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	270.56		23.58
23 05 23 00-0535	EA	1-1/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	431.87		38.10
23 05 23 00-0536	EA	1-1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	447.16		43.41
23 05 23 00-0537	EA	2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	496.31		53.82
23 05 23 00-0538		<b>Cast Iron Body Flanged</b> (23 05 23 00-0530)			
23 05 23 00-0539	EA	2-1/2" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket.....	6,932.64		94.52
23 05 23 00-0540	EA	3" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket.....	8,385.08		110.82
23 05 23 00-0541		<b>Float Operated Valves</b> (23 05 23 00-0513)			
23 05 23 00-0542		<b>For Condensate Receivers Tanks And Vessels</b> (23 05 23 00-0541)			
		Note: Cast iron body, self-contained, float in-line mount.			
23 05 23 00-0543	EA	1" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket.....	744.53		33.28
23 05 23 00-0544		<b>For Condensate Receivers Tanks And Vessels</b> (23 05 23 00-0541)			
		Note: Cast iron body, external float tank mount, flanged.			
23 05 23 00-0545	EA	3/4" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket.....	916.62		61.93
23 05 23 00-0546		<b>Float Valve Accessories</b> (23 05 23 00-0513)			
23 05 23 00-0547	EA	4" x 4" x 4" Float Valve Junction Box, NEMA 4X.....	166.24		24.44
23 05 23 00-0548	EA	6" x 6" x 4" Float Valve Junction Box, NEMA 4X.....	212.94		26.08
23 05 23 00-0549	EA	8" x 8" x 4" Float Valve Junction Box, NEMA 4X.....	259.66		27.71
23 05 23 00-0550	EA	10" x 8" x 4" Float Valve Junction Box, NEMA 4X.....	305.77		29.33
23 05 23 00-0551	EA	SS Float Switch Mounting Bracket, Multiple.....	163.69		40.74
23 05 23 00-0552	EA	SS Float Switch Mounting Bracket, Single.....	106.78		27.71



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0553 EA Direct Acting Float Switch, 3 Wire Single Pole Double Throw, 30' Of Cable (Roto Float P20 No/NC).....	157.41	32.59
<i>For Each LF Of Additional Cable, Add</i>	<i>0.65</i>	
<i>For Stainless Steel Wall Mounting Bracket, Add</i>	<i>58.00</i>	
<i>For Polyvinyl Chloride (PVC) NEMA 4X Junction Box, Add</i>	<i>70.00</i>	
<i>For Stainless Steel Float, Add</i>	<i>80.00</i>	
<b>23 05 23 00-0554 Needle Valves <small>(23 05 23)</small></b>		
<b>23 05 23 00-0555 Bronze Needle Valve <small>(23 05 23 00-0554)</small></b>		
Note: For heating and cooling applications.		
23 05 23 00-0556 EA 1/4" Needle Valve, Bronze.....	97.01	7.08
23 05 23 00-0557 EA 3/8" Needle Valve, Bronze.....	108.85	7.08
23 05 23 00-0558 EA 1/2" Needle Valve, Bronze.....	119.53	7.08
23 05 23 00-0559 EA 3/4" Needle Valve, Bronze.....	183.51	7.79
23 05 23 00-0560 EA 1" Needle Valve, Bronze.....	286.40	8.85
<b>23 05 23 00-0561 Polyvinyl Chloride (PVC) Needle Valve <small>(23 05 23 00-0554)</small></b>		
23 05 23 00-0562 EA 1/4" Polyvinyl Chloride (PVC) Needle Valve, Threaded.....	49.90	7.08
23 05 23 00-0563 EA 3/8" Polyvinyl Chloride (PVC) Needle Valve, Threaded.....	55.87	7.08
23 05 23 00-0564 EA 1/2" Polyvinyl Chloride (PVC) Needle Valve, Threaded.....	57.01	7.08
<b>23 05 23 00-0565 Eccentric Valves With Taps <small>(23 05 23)</small></b>		
<b>23 05 23 00-0566 Screwed Eccentric Valves With Taps <small>(23 05 23 00-0565)</small></b>		
23 05 23 00-0567 EA 1/2" Diameter Eccentric Valves With Taps, Screwed.....	140.89	7.08
23 05 23 00-0568 EA 3/4" Diameter Eccentric Valves With Taps, Screwed.....	150.65	7.79
23 05 23 00-0569 EA 1" Diameter Eccentric Valves With Taps, Screwed.....	189.82	8.85
23 05 23 00-0570 EA 1-1/4" Diameter Eccentric Valves With Taps, Screwed.....	230.63	9.41
23 05 23 00-0571 EA 1-1/2" Diameter Eccentric Valves With Taps, Screwed.....	252.42	10.90
23 05 23 00-0572 EA 2" Diameter Eccentric Valves With Taps, Screwed.....	296.83	12.89
23 05 23 00-0573 EA 2-1/2" Diameter Eccentric Valves With Taps, Screwed.....	446.50	17.40
23 05 23 00-0574 EA 3" Diameter Eccentric Valves With Taps, Screwed.....	541.60	20.21
<b>23 05 23 00-0575 Flanged Eccentric Valves With Taps <small>(23 05 23 00-0565)</small></b>		
23 05 23 00-0576 EA 2-1/2" Diameter Eccentric Valves With Taps, Flanged.....	545.30	94.52
23 05 23 00-0577 EA 3" Diameter Eccentric Valves With Taps, Flanged.....	647.20	110.82
23 05 23 00-0578 EA 4" Diameter Eccentric Valves With Taps, Flanged.....	877.52	185.79
23 05 23 00-0579 EA 5" Diameter Eccentric Valves With Taps, Flanged.....	1,141.77	187.28
23 05 23 00-0580 EA 6" Diameter Eccentric Valves With Taps, Flanged.....	1,441.49	208.08
23 05 23 00-0581 EA 8" Diameter Eccentric Valves With Taps, Flanged.....	2,464.18	265.89
23 05 23 00-0582 EA 10" Diameter Eccentric Valves With Taps, Flanged.....	3,446.53	323.69
23 05 23 00-0583 EA 12" Diameter Eccentric Valves With Taps, Flanged.....	5,893.28	393.05
<b>23 05 23 00-0584 Earthquake-Sensitive Gas Shut-Off Valve <small>(23 05 23)</small></b>		
<b>23 05 23 00-0585 0.5 PSI Threaded Earthquake Gas Shutoff Valves <small>(23 05 23 00-0584)</small></b>		
23 05 23 00-0586 EA 3/4" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve.....	141.84	7.79
23 05 23 00-0587 EA 1" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve.....	159.53	8.85
<b>23 05 23 00-0588 7 PSI Threaded Earthquake Gas Shutoff Valves <small>(23 05 23 00-0584)</small></b>		
23 05 23 00-0589 EA 1-1/4" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve.....	184.75	9.41
23 05 23 00-0590 EA 1-1/2" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve.....	253.14	10.90
<b>23 05 23 00-0591 60 PSI Threaded Earthquake Gas Shutoff Valves <small>(23 05 23 00-0584)</small></b>		
23 05 23 00-0592 EA 3/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	178.52	7.79
23 05 23 00-0593 EA 1" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	185.00	8.85
23 05 23 00-0594 EA 1-1/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	205.12	9.41
23 05 23 00-0595 EA 1-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	283.70	10.90
23 05 23 00-0596 EA 2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	675.65	12.89
23 05 23 00-0597 EA 2-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	799.79	17.34
23 05 23 00-0598 EA 3" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	1,042.68	20.21
23 05 23 00-0599 EA 4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve.....	1,209.30	22.82
<b>23 05 23 00-0600 60 PSI Flanged Earthquake Gas Shutoff Valves <small>(23 05 23 00-0584)</small></b>		
23 05 23 00-0601 EA 2" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	933.05	94.39
23 05 23 00-0602 EA 3" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	1,152.41	110.82
23 05 23 00-0603 EA 4" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	1,608.19	185.79
23 05 23 00-0604 EA 6" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	2,655.22	208.08
23 05 23 00-0605 EA 8" Flanged, 60 PSI Earthquake Gas Shutoff Valve.....	7,360.01	265.89
<b>23 05 23 00-0606 Emergency Shut-Off Valve With Fusible Link <small>(23 05 23)</small></b>		

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0607			<b>Threaded, Fusible Brass Gate Valves (Morrison Bros. 939)</b> <small>(23 05 23 00-0606)</small> Note: Brass globe/gate valve used to shut off product flow in the event of a fire. Fusible element in the handwheel automatically closes the valve when in contact with 165° F.		
23 05 23 00-0608	EA		1/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series).....	51.70	11.40
			<i>For Work In Restricted Working Space, Add</i> .....	6.19	
23 05 23 00-0609	EA		3/8" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series).....	52.81	12.03
			<i>For Work In Restricted Working Space, Add</i> .....	6.52	
23 05 23 00-0610	EA		1/2" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series).....	86.80	11.40
			<i>For Work In Restricted Working Space, Add</i> .....	6.85	
23 05 23 00-0611	EA		3/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series).....	172.82	15.37
			<i>For Work In Restricted Working Space, Add</i> .....	9.24	
23 05 23 00-0612	EA		1" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series).....	439.94	18.62
			<i>For Work In Restricted Working Space, Add</i> .....	11.18	
23 05 23 00-0613			<b>Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)</b> <small>(23 05 23 00-0606)</small> Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.		
23 05 23 00-0614	EA		1-1/2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	332.60	10.90
23 05 23 00-0615	EA		2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	358.19	12.89
23 05 23 00-0616	EA		3" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	602.46	20.21
23 05 23 00-0617			<b>Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)</b> <small>(23 05 23 00-0606)</small> Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.		
23 05 23 00-0618	EA		2" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	490.41	94.39
23 05 23 00-0619	EA		3" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	806.10	110.82
23 05 23 00-0620	EA		4" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI).....	1,855.47	185.79
23 05 23 00-0621			<b>Synthetic Sleeve Check Valve</b> <small>(23 05 23)</small>		
23 05 23 00-0622			<b>Synthetic Sleeve Fall-Out Flap/Duckbill Check Valve</b> <small>(23 05 23 00-0621)</small> Note: Model red valve series TF1, TF2 Or 35. For 35 series valves, select the valve and flange.		
23 05 23 00-0623	EA		4" Check Valve, Fall Out Flat Or Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps.....	907.12	138.85
23 05 23 00-0624	EA		8" Check Valve, Fall Out Flat Or Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps.....	1,982.30	165.02
23 05 23 00-0625	EA		12" Check Valve, Fall Out Flat Or Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps.....	3,220.27	245.02
23 05 23 00-0626	EA		20" Check Valve, Fall Out Flat Or Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps.....	8,938.28	397.44
23 05 23 00-0627	EA		24" Check Valve, Fall Out Flat Or Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps.....	9,554.38	489.11
23 05 23 00-0628	EA		30" Check Valve, Fall Out Flat Or Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps.....	16,431.50	780.49
23 05 23 00-0629	EA		36" Check Valve, Fall Out Flat Or Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps.....	19,585.76	1,560.97
23 05 23 00-0630	EA		48" Check Valve, Fall Out Flat Or Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps.....	35,039.91	2,077.02
23 05 23 00-0631	EA		54" Check Valve, Fall Out Flat Or Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps.....	47,106.00	2,309.38
23 05 23 00-0632	EA		4" Rounded Bottom, 316 Stainless Steel Flange, Addition.....	571.87	
23 05 23 00-0633	EA		8" Rounded Bottom, 316 Stainless Steel Flange, Addition.....	1,006.89	
23 05 23 00-0634	EA		12" Rounded Bottom, 316 Stainless Steel Flange, Addition.....	1,568.98	
23 05 23 00-0635	EA		20" Rounded Bottom, 316 Stainless Steel Flange, Addition.....	4,672.74	
23 05 23 00-0636	EA		24" Rounded Bottom, 316 Stainless Steel Flange, Addition.....	6,434.79	
23 05 23 00-0637	EA		30" Rounded Bottom, 316 Stainless Steel Flange, Addition.....	8,707.62	
23 05 23 00-0638	EA		36" Rounded Bottom, 316 Stainless Steel Flange, Addition.....	9,746.27	
23 05 23 00-0639	EA		48" Rounded Bottom, 316 Stainless Steel Flange, Addition.....	11,559.65	
23 05 23 00-0640	EA		54" Rounded Bottom, 316 Stainless Steel Flange, Addition.....	10,276.51	
23 05 23 00-0641			<b>Synthetic Sleeve In-Line Flap/Duckbill Check Valve</b> <small>(23 05 23 00-0621)</small> Note: Cast iron body. Model red valve Series 39.		
23 05 23 00-0642	EA		4" Check Valve, In Line (Inserted), Buna-N Sleeve Material, Cast Iron Body, 316 Stainless Steel Flanges.....	1,088.92	185.79
23 05 23 00-0643	EA		8" Check Valve, In Line (Inserted), Buna-N Sleeve Material, Cast Iron Body, 316 Stainless Steel Flanges.....	2,848.99	265.89
23 05 23 00-0644	EA		12" Check Valve, In Line (Inserted), Buna-N Sleeve Material, Cast Iron Body, 316 Stainless Steel Flanges.....	4,510.44	393.05
23 05 23 00-0645	EA		18" Check Valve, In Line (Inserted), Buna-N Sleeve Material, Cast Iron Body, 316 Stainless Steel Flanges.....	6,062.89	603.12
23 05 23 00-0646	EA		20" Check Valve, In Line (Inserted), Buna-N Sleeve Material, Cast Iron Body, 316 Stainless Steel Flanges.....	9,885.02	679.74
23 05 23 00-0647	EA		24" Check Valve, In Line (Inserted), Buna-N Sleeve Material, Cast Iron Body, 316 Stainless Steel Flanges.....	11,311.98	834.23
23 05 23 00-0648	EA		4" Viton Sleeve Material, Addition.....	1,284.86	
23 05 23 00-0649	EA		8" Viton Sleeve Material, Addition.....	1,553.68	
23 05 23 00-0650	EA		12" Viton Sleeve Material, Addition.....	1,786.67	
23 05 23 00-0651	EA		18" Viton Sleeve Material, Addition.....	1,994.83	
23 05 23 00-0652	EA		20" Viton Sleeve Material, Addition.....	2,230.57	
23 05 23 00-0653	EA		24" Viton Sleeve Material, Addition.....	2,525.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 05 23 00-0654 Synthetic Sleeve In-Line Flap/Duckbill Check Valve</b> <small>(23 05 23 00-0621)</small>		
<small>Note: 316 Stainless steel body. Model red valve Series 2633.</small>		
23 05 23 00-0655 EA 1/2" Check Valve, In Line (Inserted), Buna-N Sleeve Material, Polyvinyl Chloride (PVC) Body, Threaded-End.....	251.01	7.08
23 05 23 00-0656 EA 3/4" Check Valve, In Line (Inserted), Buna-N Sleeve Material, Polyvinyl Chloride (PVC) Body, Threaded-End.....	276.67	7.79
23 05 23 00-0657 EA 1" Check Valve, In Line (Inserted), Buna-N Sleeve Material, Polyvinyl Chloride (PVC) Body, Threaded-End.....	342.15	8.85
23 05 23 00-0658 EA 1-1/2" Check Valve, In Line (Inserted), Buna-N Sleeve Material, Polyvinyl Chloride (PVC) Body, Threaded-End.....	434.10	10.90
23 05 23 00-0659 EA 2" Check Valve, In Line (Inserted), Buna-N Sleeve Material, Polyvinyl Chloride (PVC) Body, Threaded-End.....	487.27	12.89
23 05 23 00-0660 EA 3" Check Valve, In Line (Inserted), Buna-N Sleeve Material, Polyvinyl Chloride (PVC) Body, Threaded-End.....	623.51	20.21
23 05 23 00-0661 EA 1/2" Viton Sleeve Material, Addition.....	175.91	
23 05 23 00-0662 EA 3/4" Viton Sleeve Material, Addition.....	207.90	
23 05 23 00-0663 EA 1" Viton Sleeve Material, Addition.....	259.07	
23 05 23 00-0664 EA 1-1/2" Viton Sleeve Material, Addition.....	303.85	
23 05 23 00-0665 EA 2" Viton Sleeve Material, Addition.....	415.79	
23 05 23 00-0666 EA 3" Viton Sleeve Material, Addition.....	325.31	
<b>23 05 23 00-0667 Check Valves</b> <small>(23 05 23)</small>		
<b>23 05 23 00-0668 Iron Body Wafer Type Check Valve</b> <small>(23 05 23 00-0667)</small>		
<b>23 05 23 00-0669 Single Disk Type</b> <small>(23 05 23 00-0668)</small>		
23 05 23 00-0670 EA 2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	378.92	96.92
<i>For 150 LB Rating, Add</i>	54.12	
<i>For 200 LB Rating, Add</i>	64.43	
<i>For 300 LB Rating, Add</i>	77.32	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	140.22	
23 05 23 00-0671 EA 2-1/2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	459.40	97.07
<i>For 150 LB Rating, Add</i>	70.91	
<i>For 200 LB Rating, Add</i>	84.42	
<i>For 300 LB Rating, Add</i>	101.30	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	176.30	
23 05 23 00-0672 EA 3" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	569.26	113.81
<i>For 150 LB Rating, Add</i>	89.63	
<i>For 200 LB Rating, Add</i>	106.70	
<i>For 300 LB Rating, Add</i>	128.04	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	220.55	
23 05 23 00-0673 EA 4" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	817.19	190.80
<i>For 150 LB Rating, Add</i>	121.40	
<i>For 200 LB Rating, Add</i>	144.52	
<i>For 300 LB Rating, Add</i>	173.43	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	307.96	
23 05 23 00-0674 EA 6" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	1,240.23	267.79
<i>For 150 LB Rating, Add</i>	190.15	
<i>For 200 LB Rating, Add</i>	226.37	
<i>For 300 LB Rating, Add</i>	271.65	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	474.42	
23 05 23 00-0675 EA 8" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	1,773.13	307.96
<i>For 150 LB Rating, Add</i>	291.81	
<i>For 200 LB Rating, Add</i>	347.39	
<i>For 300 LB Rating, Add</i>	416.87	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	702.02	
23 05 23 00-0676 EA 10" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....	2,691.49	374.91
<i>For 150 LB Rating, Add</i>	466.08	
<i>For 200 LB Rating, Add</i>	554.86	
<i>For 300 LB Rating, Add</i>	665.83	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	1,093.16	
<b>23 05 23 00-0677 Twin Disc Type</b> <small>(23 05 23 00-0668)</small>		
23 05 23 00-0678 EA 2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	430.89	96.92
<i>For 150 LB Rating, Add</i>	65.04	
<i>For 200 LB Rating, Add</i>	77.43	
<i>For 300 LB Rating, Add</i>	92.91	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	163.60	
23 05 23 00-0679 EA 2-1/2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	493.40	97.07
<i>For 150 LB Rating, Add</i>	78.05	
<i>For 200 LB Rating, Add</i>	92.92	
<i>For 300 LB Rating, Add</i>	111.50	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	191.60	
23 05 23 00-0680 EA 3" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	576.10	113.81
<i>For 150 LB Rating, Add</i>	91.07	
<i>For 200 LB Rating, Add</i>	108.41	
<i>For 300 LB Rating, Add</i>	130.10	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	223.63	
23 05 23 00-0681 EA 4" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	789.81	190.80
<i>For 150 LB Rating, Add</i>	115.65	
<i>For 200 LB Rating, Add</i>	137.68	
<i>For 300 LB Rating, Add</i>	165.21	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	295.64	
23 05 23 00-0682 EA 6" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	1,222.78	267.79
<i>For 150 LB Rating, Add</i>	186.49	
<i>For 200 LB Rating, Add</i>	222.01	
<i>For 300 LB Rating, Add</i>	266.41	
<i>For 300 LB Rating, Cast Steel, Weld End, Wedge, Add</i>	466.57	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0683 EA 8" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	1,738.75	307.96
For 150 LB Rating, Add	284.80	
For 200 LB Rating, Add	339.05	
For 300 LB Rating, Add	406.86	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	686.80	
23 05 23 00-0684 EA 10" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	2,616.62	33.47
For 150 LB Rating, Add	451.04	
For 200 LB Rating, Add	536.95	
For 300 LB Rating, Add	644.34	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	1,060.27	
23 05 23 00-0685 EA 12" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	3,444.92	455.25
For 150 LB Rating, Add	604.29	
For 200 LB Rating, Add	719.39	
For 300 LB Rating, Add	863.27	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	1,408.38	
23 05 23 00-0686 EA 14" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	6,542.77	518.52
For 150 LB Rating, Add	1,228.80	
For 200 LB Rating, Add	1,462.86	
For 300 LB Rating, Add	1,755.43	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	2,771.41	
23 05 23 00-0687 EA 16" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	9,021.33	608.39
For 150 LB Rating, Add	1,734.78	
For 200 LB Rating, Add	2,065.21	
For 300 LB Rating, Add	2,478.25	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	3,869.48	
23 05 23 00-0688 EA 18" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	12,061.10	677.52
For 150 LB Rating, Add	2,355.38	
For 200 LB Rating, Add	2,804.03	
For 300 LB Rating, Add	3,364.83	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	5,216.25	
23 05 23 00-0689 EA 20" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	14,363.69	760.49
For 150 LB Rating, Add	2,816.75	
For 200 LB Rating, Add	3,353.27	
For 300 LB Rating, Add	4,023.92	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	6,226.01	
23 05 23 00-0690 EA 24" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	18,794.30	933.32
For 150 LB Rating, Add	3,701.11	
For 200 LB Rating, Add	4,406.08	
For 300 LB Rating, Add	5,287.30	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	8,164.94	
<b>23 05 23 00-0691 Lift Check Valves (23 05 23 00-0687)</b>		
<b>23 05 23 00-0692 Bronze Body, Threaded, Vertical Lift Check Valves (23 05 23 00-0691)</b>		
Note: Watts #600 series.		
23 05 23 00-0693 EA 3/8" Lift Check Valve, Bronze, Threaded.....	99.56	7.08
23 05 23 00-0694 EA 1/2" Lift Check Valve, Bronze, Threaded.....	105.41	7.08
23 05 23 00-0695 EA 3/4" Lift Check Valve, Bronze, Threaded.....	133.63	7.44
23 05 23 00-0696 EA 1" Lift Check Valve, Bronze, Threaded.....	177.62	7.44
23 05 23 00-0697 EA 1-1/4" Lift Check Valve, Bronze, Threaded.....	248.38	9.41
23 05 23 00-0698 EA 1-1/2" Lift Check Valve, Bronze, Threaded.....	303.56	10.90
23 05 23 00-0699 EA 2" Lift Check Valve, Bronze, Threaded.....	438.89	12.89
<b>23 05 23 00-0700 Bronze Body, Threaded, 300 LB, Lift Check Valves (23 05 23 00-0691)</b>		
Note: Crane 366E.		
23 05 23 00-0701 EA 1/2" Lift Check Valve, Bronze, Threaded, 300 LB.....	669.56	7.08
23 05 23 00-0702 EA 3/4" Lift Check Valve, Bronze, Threaded, 300 LB.....	811.87	7.44
23 05 23 00-0703 EA 1" Lift Check Valve, Bronze, Threaded, 300 LB.....	1,465.10	7.44
23 05 23 00-0704 EA 1-1/4" Lift Check Valve, Bronze, Threaded, 300 LB.....	1,953.78	9.41
23 05 23 00-0705 EA 1-1/2" Lift Check Valve, Bronze, Threaded, 300 LB.....	2,120.64	10.90
23 05 23 00-0706 EA 2" Lift Check Valve, Bronze, Threaded, 300 LB.....	2,726.81	12.89
<b>23 05 23 00-0707 Iron Body, Flanged, 125 LB Vertical Lift Check Valves (23 05 23 00-0691)</b>		
Note: Mueller 105MAP.		
23 05 23 00-0708 EA 2" Lift Check Valve, Iron Body, Flanged, 125 LB.....	937.82	94.39
23 05 23 00-0709 EA 2-1/2" Lift Check Valve, Iron Body, Flanged, 125 LB.....	637.31	94.52
23 05 23 00-0710 EA 3" Lift Check Valve, Iron Body, Flanged, 125 LB.....	698.08	110.82
23 05 23 00-0711 EA 4" Lift Check Valve, Iron Body, Flanged, 125 LB.....	984.53	185.79
23 05 23 00-0712 EA 5" Lift Check Valve, Iron Body, Flanged, 125 LB.....	1,200.74	187.28
23 05 23 00-0713 EA 6" Lift Check Valve, Iron Body, Flanged, 125 LB.....	1,472.44	208.08
23 05 23 00-0714 EA 8" Lift Check Valve, Iron Body, Flanged, 125 LB.....	2,547.52	265.89
23 05 23 00-0715 EA 10" Lift Check Valve, Iron Body, Flanged, 125 LB.....	3,196.21	323.69
23 05 23 00-0716 EA 12" Lift Check Valve, Iron Body, Flanged, 125 LB.....	5,134.89	393.05
23 05 23 00-0717 EA 14" Lift Check Valve, Iron Body, Flanged, 125 LB.....	6,945.82	494.36
23 05 23 00-0718 EA 16" Lift Check Valve, Iron Body, Flanged, 125 LB.....	7,695.82	543.80
<b>23 05 23 00-0719 Bronze Body Swing Check Valves (23 05 23 00-0687)</b>		
<b>23 05 23 00-0720 Bronze Body, Threaded, Brazed Or Soldered Installation, 125 LB, Swing Check Valves (23 05 23 00-0719)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0721 EA 1/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	63.72 15.94 6.85	7.08
23 05 23 00-0722 EA 1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	61.50 15.94 6.19	7.08
23 05 23 00-0723 EA 3/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	62.58 15.94 6.51	7.08
23 05 23 00-0724 EA 1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	65.31 16.56 6.85	7.08
23 05 23 00-0725 EA 3/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	82.25 20.07 9.24	7.44
23 05 23 00-0726 EA 1" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	107.15 27.25 11.18	7.44
23 05 23 00-0727 EA 1-1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	145.30 38.26 14.16	9.41
23 05 23 00-0728 EA 1-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	191.84 53.57 16.34	10.90
23 05 23 00-0729 EA 2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	240.99 68.88 19.31	12.89
23 05 23 00-0730 EA 2-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	492.92 158.34 26.08	17.40
23 05 23 00-0731 EA 3" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	677.73 225.20 30.09	20.21
23 05 23 00-0732 EA 4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	767.51 254.84 34.22	22.82
<b>23 05 23 00-0733 Bronze Body, Flanged Installation, 125 LB, Swing Check Valves (23 05 23 00-0719)</b>		
23 05 23 00-0734 EA 2" Swing Check Valve, Bronze Body, Flanged, 125 LB..... <i>For Work In Restricted Working Space, Add</i> <i>For 150 Lb. Rated Valves, Add</i> <i>For 250 Lb. Rated Valves, Add</i>	189.28 35.40 31.36 92.65	94.39
23 05 23 00-0735 EA 2-1/2" Swing Check Valve, Bronze Body, Flanged, 125 LB..... <i>For Work In Restricted Working Space, Add</i> <i>For 150 Lb. Rated Valves, Add</i> <i>For 250 Lb. Rated Valves, Add</i>	195.86 35.56 34.03 100.54	94.52
23 05 23 00-0736 EA 3" Swing Check Valve, Bronze Body, Flanged, 125 LB..... <i>For Work In Restricted Working Space, Add</i> <i>For 150 Lb. Rated Valves, Add</i> <i>For 250 Lb. Rated Valves, Add</i>	235.27 41.61 42.49 125.54	110.82
23 05 23 00-0737 EA 4" Swing Check Valve, Bronze Body, Flanged, 125 LB..... <i>For Work In Restricted Working Space, Add</i> <i>For 150 Lb. Rated Valves, Add</i> <i>For 250 Lb. Rated Valves, Add</i>	376.60 69.84 63.27 186.93	185.79
23 05 23 00-0738 EA 5" Swing Check Valve, Bronze Body, Flanged, 125 LB..... <i>For Work In Restricted Working Space, Add</i> <i>For 150 Lb. Rated Valves, Add</i> <i>For 250 Lb. Rated Valves, Add</i>	489.18 70.12 112.40 332.09	187.28
23 05 23 00-0739 EA 6" Swing Check Valve, Bronze Body, Flanged, 125 LB..... <i>For Work In Restricted Working Space, Add</i> <i>For 150 Lb. Rated Valves, Add</i> <i>For 250 Lb. Rated Valves, Add</i>	516.49 78.31 112.40 332.09	208.08
23 05 23 00-0740 EA 8" Swing Check Valve, Bronze Body, Flanged, 125 LB..... <i>For Work In Restricted Working Space, Add</i> <i>For 150 Lb. Rated Valves, Add</i>	813.14 99.09 212.45	265.89
23 05 23 00-0741 EA 10" Swing Check Valve, Bronze Body, Flanged, 125 LB..... <i>For Work In Restricted Working Space, Add</i> <i>For 150 Lb. Rated Valves, Add</i>	1,132.85 121.38 320.43	323.69
23 05 23 00-0742 EA 12" Swing Check Valve, Bronze Body, Flanged, 125 LB..... <i>For Work In Restricted Working Space, Add</i> <i>For 150 Lb. Rated Valves, Add</i>	1,440.30 147.13 417.94	393.05
23 05 23 00-0743 EA 14" Swing Check Valve, Bronze Body, Flanged, 125 LB..... <i>For Work In Restricted Working Space, Add</i> <i>For 150 Lb. Rated Valves, Add</i>	3,774.93 185.38 1,389.08	494.36
23 05 23 00-0744 EA 16" Swing Check Valve, Bronze Body, Flanged, 125 LB..... <i>For Work In Restricted Working Space, Add</i> <i>For 150 Lb. Rated Valves, Add</i>	4,794.86 203.92 1,810.65	543.80
23 05 23 00-0745 EA 18" Swing Check Valve, Bronze Body, Flanged, 125 LB..... <i>For Work In Restricted Working Space, Add</i> <i>For 150 Lb. Rated Valves, Add</i>	6,130.44 226.17 2,365.68	603.12
23 05 23 00-0746 EA 20" Swing Check Valve, Bronze Body, Flanged, 125 LB..... <i>For Work In Restricted Working Space, Add</i> <i>For 150 Lb. Rated Valves, Add</i>	7,581.52 254.90 2,962.01	679.74



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 05 23 00-0747 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves</b> <small>(23 05 23 00-0667)</small>		
23 05 23 00-0748 EA 1" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	214.70	53.11
For 150 LB Rating, Add	100.57	
For 250 LB Rating, Add	192.27	
For Work In Restricted Working Space, Add	20.04	
23 05 23 00-0749 EA 1-1/4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	239.92	61.96
For 150 LB Rating, Add	110.81	
For 250 LB Rating, Add	211.84	
For Work In Restricted Working Space, Add	23.09	
23 05 23 00-0750 EA 1-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	269.90	74.35
For 150 LB Rating, Add	120.18	
For 250 LB Rating, Add	229.75	
For Work In Restricted Working Space, Add	27.95	
23 05 23 00-0751 EA 2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	337.51	94.39
For 150 LB Rating, Add	149.26	
For 250 LB Rating, Add	285.35	
For Work In Restricted Working Space, Add	35.40	
23 05 23 00-0752 EA 2-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	374.69	94.52
For 150 LB Rating, Add	174.20	
For 250 LB Rating, Add	333.02	
For Work In Restricted Working Space, Add	35.56	
23 05 23 00-0753 EA 3" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	417.08	110.82
For 150 LB Rating, Add	189.30	
For 250 LB Rating, Add	361.89	
For Work In Restricted Working Space, Add	41.61	
23 05 23 00-0754 EA 4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	663.03	185.79
For 150 LB Rating, Add	292.55	
For 250 LB Rating, Add	559.29	
For Work In Restricted Working Space, Add	69.84	
23 05 23 00-0755 EA 5" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	865.38	187.28
For 150 LB Rating, Add	429.52	
For 250 LB Rating, Add	821.15	
For Work In Restricted Working Space, Add	70.12	
23 05 23 00-0756 EA 6" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	993.41	208.08
For 150 LB Rating, Add	498.01	
For 250 LB Rating, Add	952.08	
For Work In Restricted Working Space, Add	78.31	
23 05 23 00-0757 EA 8" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	2,158.74	265.89
For 150 LB Rating, Add	1,243.35	
For 250 LB Rating, Add	2,376.99	
For Work In Restricted Working Space, Add	99.09	
23 05 23 00-0758 EA 10" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	2,893.51	323.69
For 150 LB Rating, Add	1,692.46	
For 250 LB Rating, Add	3,235.58	
For Work In Restricted Working Space, Add	121.38	
23 05 23 00-0759 EA 12" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	4,371.78	393.05
For 150 LB Rating, Add	2,639.31	
For 250 LB Rating, Add	5,045.74	
For Work In Restricted Working Space, Add	147.13	
23 05 23 00-0760 EA 14" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	5,012.14	494.36
For 150 LB Rating, Add	2,988.06	
For 250 LB Rating, Add	5,712.46	
For Work In Restricted Working Space, Add	185.38	
23 05 23 00-0761 EA 16" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	7,079.87	543.80
For 150 LB Rating, Add	4,352.09	
For 250 LB Rating, Add	8,320.17	
For Work In Restricted Working Space, Add	203.92	
23 05 23 00-0762 EA 18" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	10,813.10	603.12
For 150 LB Rating, Add	6,840.26	
For 250 LB Rating, Add	13,076.96	
For Work In Restricted Working Space, Add	226.17	
23 05 23 00-0763 EA 20" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	14,850.40	679.74
For 150 LB Rating, Add	9,520.49	
For 250 LB Rating, Add	18,200.94	
For Work In Restricted Working Space, Add	254.90	
23 05 23 00-0764 EA 24" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves.....	20,642.93	834.23
For 150 LB Rating, Add	13,328.10	
For 250 LB Rating, Add	25,480.18	
For Work In Restricted Working Space, Add	312.84	
<b>23 05 23 00-0765 APCO Iron Body, Bronze Trim, Flanged, 250 LB, Swing Check Valves</b> <small>(23 05 23 00-0667)</small>		
Note: AWWA C-509, side mounted oil cushion.		
23 05 23 00-0766 EA 6" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 250 LB, AWWA C-509. Primer Interior, Side Mounted Oil Cushion.....	7,686.18	208.08
For Asphalt Varnish Interior, Add	104.00	
23 05 23 00-0767 EA 8" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 250 LB, AWWA C-509. Primer Interior, Side Mounted Oil Cushion.....	8,127.65	265.89
For Asphalt Varnish Interior, Add	112.00	
23 05 23 00-0768 EA 10" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 250 LB, AWWA C-509. Primer Interior, Side Mounted Oil Cushion.....	12,329.49	323.69
For Asphalt Varnish Interior, Add	160.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0769 EA 12" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 250 LB, AWWA C-509. Primer Interior, Side Mounted Oil Cushion..... <i>For Asphalt Varnish Interior, Add</i>	14,519.07 168.00	393.05
<b>23 05 23 00-0770 APCO Iron Body, Bronze Trim, Flanged, 250 LB, Swing Check Valves (23 05 23 00-0667)</b> Note: AWWA C-509, bottom buffer oil cushion.		
23 05 23 00-0771 EA 8" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 250 LB, AWWA C-509. Primer Interior, Bottom Buffer Oil Cushion..... <i>For Asphalt Varnish Interior, Add</i>	7,388.72 112.00	265.89
23 05 23 00-0772 EA 10" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 250 LB, AWWA C-509. Primer Interior, Bottom Buffer Oil Cushion..... <i>For Asphalt Varnish Interior, Add</i>	9,055.32 160.00	323.69
23 05 23 00-0773 EA 12" Swing Check Valve, Iron Body, Bronze Trim, Flanged, 250 LB, AWWA C-509. Primer Interior, Bottom Buffer Oil Cushion..... <i>For Asphalt Varnish Interior, Add</i>	10,354.32 168.00	393.05
<b>23 05 23 00-0774 Class 800 Forged Steel, Screwed, Chrome Trim, Bolted Bonnet, Piston Check, Swing Check Valves (23 05 23 00-0667)</b> Note: 800 PSIG at 850 Degrees F.		
23 05 23 00-0775 EA 1/2" Class 800, Threaded, Forged Steel Swing Check Valve..... <i>For Work In Restricted Working Space, Add</i>	164.39 6.85	7.08
23 05 23 00-0776 EA 3/4" 800, Threaded, Forged Steel Swing Check Valve..... <i>For Work In Restricted Working Space, Add</i>	191.51 9.24	7.79
23 05 23 00-0777 EA 1" Class 800, Threaded, Forged Steel Swing Check Valve..... <i>For Work In Restricted Working Space, Add</i>	226.01 11.18	8.85
23 05 23 00-0778 EA 1-1/4" Class 800, Threaded, Forged Steel Swing Check Valve..... <i>For Work In Restricted Working Space, Add</i>	355.87 14.16	9.41
23 05 23 00-0779 EA 1-1/2" 800, Threaded, Forged Steel Swing Check Valve..... <i>For Work In Restricted Working Space, Add</i>	423.09 16.34	10.90
23 05 23 00-0780 EA 2" Class 800, Threaded, Forged Steel Swing Check Valve..... <i>For Work In Restricted Working Space, Add</i>	577.49 19.31	12.89
<b>23 05 23 00-0781 Polyvinyl Chloride (PVC) Check Valve (23 05 23 00-0667)</b>		
<b>23 05 23 00-0782 Polyvinyl Chloride (PVC) "Y" Check Valve (23 05 23 00-0781)</b>		
23 05 23 00-0783 EA 1/2" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket.....	80.86	7.08
23 05 23 00-0784 EA 3/4" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket.....	93.09	7.79
23 05 23 00-0785 EA 1" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket.....	105.65	8.85
23 05 23 00-0786 EA 1-1/4" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket.....	154.70	9.41
23 05 23 00-0787 EA 1-1/2" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket.....	170.92	10.90
23 05 23 00-0788 EA 2" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket.....	263.83	11.87
23 05 23 00-0789 EA 2-1/2" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket.....	374.56	17.40
23 05 23 00-0790 EA 3" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket.....	406.84	20.21
23 05 23 00-0791 EA 4" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket.....	615.70	22.82
23 05 23 00-0792 EA 3" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Flanged.....	568.66	110.82
<b>23 05 23 00-0793 Polyvinyl Chloride (PVC) True Union Ball Check Valve (23 05 23 00-0781)</b>		
<b>23 05 23 00-0794 Valves (23 05 23 00-0793)</b>		
23 05 23 00-0795 EA 1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	57.67	7.08
23 05 23 00-0796 EA 3/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	70.60	7.79
23 05 23 00-0797 EA 1" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	87.03	8.85
23 05 23 00-0798 EA 1-1/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	113.56	9.41
23 05 23 00-0799 EA 1-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	134.09	10.90
23 05 23 00-0800 EA 2" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	208.69	12.89
23 05 23 00-0801 EA 3" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	353.99	17.40
23 05 23 00-0802 EA 4" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	636.08	20.21
<b>23 05 23 00-0803 Foot Valve Screen (23 05 23 00-0793)</b> Note: For use with PVC true union ball check valves above.		
23 05 23 00-0804 EA 1/2" Foot Valve Screen Option.....	53.89	
23 05 23 00-0805 EA 3/4" Foot Valve Screen Option.....	64.45	
23 05 23 00-0806 EA 1" Foot Valve Screen Option.....	74.68	
23 05 23 00-0807 EA 1-1/4" Foot Valve Screen Option.....	112.74	
23 05 23 00-0808 EA 1-1/2" Foot Valve Screen Option.....	124.74	
23 05 23 00-0809 EA 2" Foot Valve Screen Option.....	134.97	
23 05 23 00-0810 EA 2-1/2" Foot Valve Screen Option.....	161.04	
23 05 23 00-0811 EA 3" Foot Valve Screen Option.....	187.11	
23 05 23 00-0812 EA 4" Foot Valve Screen Option.....	227.09	
<b>23 05 23 00-0813 Hayward "True Check" With VITON Seals (23 05 23 00-0793)</b>		
23 05 23 00-0814 EA 1/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	52.14	7.08
23 05 23 00-0815 EA 3/8" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	53.22	7.08
23 05 23 00-0816 EA 1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	58.50	7.08
23 05 23 00-0817 EA 3/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	70.52	7.79

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0818 EA 1" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	88.20	8.85
23 05 23 00-0819 EA 1-1/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded .....	113.48	9.41
23 05 23 00-0820 EA 1-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded .....	139.07	10.90
23 05 23 00-0821 EA 2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	177.17	12.89
23 05 23 00-0822 EA 2-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded .....	349.01	17.40
23 05 23 00-0823 EA 3" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	378.97	20.21
23 05 23 00-0824 EA 4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	629.14	22.82
<b>23 05 23 00-0825 Hayward "True Check" With Ethylene Propylene Diene Monomer (EPDM)</b>		
<b>Seals (23 05 23 00-0793)</b>		
23 05 23 00-0826 EA 1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	54.36	7.08
23 05 23 00-0827 EA 3/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	66.45	7.79
23 05 23 00-0828 EA 1" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	82.56	8.85
23 05 23 00-0829 EA 1-1/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded .....	107.34	9.41
23 05 23 00-0830 EA 1-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded .....	127.79	10.90
23 05 23 00-0831 EA 2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	167.22	12.89
23 05 23 00-0832 EA 2-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded .....	334.08	17.40
23 05 23 00-0833 EA 3" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	366.53	20.21
23 05 23 00-0834 EA 4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	610.06	22.82
<b>23 05 23 00-0835 Polyvinyl Chloride (PVC) Check Valve, Ethylene Propylene Diene Monomer (EPDM) Housing, Flanged (23 05 23 00-0781)</b>		
23 05 23 00-0836 EA 1" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing .....	309.37	42.49
23 05 23 00-0837 EA 1-1/4" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing .....	335.03	49.56
23 05 23 00-0838 EA 1-1/2" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing .....	363.00	61.96
23 05 23 00-0839 EA 2" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing .....	439.44	77.89
23 05 23 00-0840 EA 2-1/2" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing .....	545.58	80.34
23 05 23 00-0841 EA 3" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing .....	757.33	93.72
23 05 23 00-0842 EA 4" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing .....	1,026.56	159.00
23 05 23 00-0843 EA 6" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing .....	1,679.60	267.79
<b>23 05 23 00-0844 Swing Check Valves, 150 LB Polyvinyl Chloride (PVC) Socket Weld End Connections (23 05 23 00-0667)</b>		
23 05 23 00-0845 EA 1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB.....	42.94	7.08
For Work In Restricted Working Space, Add	6.85	
23 05 23 00-0846 EA 3/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB.....	50.89	7.79
For Work In Restricted Working Space, Add	9.24	
23 05 23 00-0847 EA 1" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB.....	58.16	8.85
For Work In Restricted Working Space, Add	11.18	
23 05 23 00-0848 EA 1-1/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB.....	68.96	9.41
For Work In Restricted Working Space, Add	14.16	
23 05 23 00-0849 EA 1-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB.....	77.48	10.90
For Work In Restricted Working Space, Add	16.34	
23 05 23 00-0850 EA 2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB.....	100.14	12.89
For Work In Restricted Working Space, Add	19.31	
23 05 23 00-0851 EA 2-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB.....	137.85	17.40
For Work In Restricted Working Space, Add	26.08	
23 05 23 00-0852 EA 3" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB.....	166.38	20.21
For Work In Restricted Working Space, Add	30.09	
<b>23 05 23 00-0853 Polyvinyl Chloride (PVC) Body, Swing Check Valves (23 05 23 00-0667)</b>		
<b>23 05 23 00-0854 Polyvinyl Chloride (PVC) Body, Swing Check Valves With Ethylene Propylene Diene Monomer (EPDM) Seals (23 05 23 00-0853)</b>		
23 05 23 00-0855 EA 3" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals .....	579.21	91.27
For Work In Restricted Working Space, Add	34.92	
23 05 23 00-0856 EA 4" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals .....	709.28	154.82
For Work In Restricted Working Space, Add	57.52	
23 05 23 00-0857 EA 6" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals .....	1,148.69	173.41
For Work In Restricted Working Space, Add	71.40	
23 05 23 00-0858 EA 8" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals .....	1,571.57	219.64
For Work In Restricted Working Space, Add	80.92	
<b>23 05 23 00-0859 Polyvinyl Chloride (PVC) Body, Swing Check Valves With Viton Seals (23 05 23 00-0853)</b>		
23 05 23 00-0860 EA 3" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals .....	698.64	91.27
For Work In Restricted Working Space, Add	34.92	
23 05 23 00-0861 EA 4" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals .....	973.02	154.82
For Work In Restricted Working Space, Add	57.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0862 EA 6" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals ..... <i>For Work In Restricted Working Space, Add</i>	1,398.51 71.40	173.41
23 05 23 00-0863 EA 8" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals ..... <i>For Work In Restricted Working Space, Add</i>	1,870.15 80.92	219.64
<b>23 05 23 00-0864 Polyvinyl Chloride (PVC) Body, Swing Check Valves With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter Weights</b> <small>(23 05 23 00-0853)</small>		
23 05 23 00-0865 EA 3" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights..... <i>For Work In Restricted Working Space, Add</i>	730.16 34.92	91.27
23 05 23 00-0866 EA 4" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights..... <i>For Work In Restricted Working Space, Add</i>	975.51 57.52	154.82
23 05 23 00-0867 EA 6" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights..... <i>For Work In Restricted Working Space, Add</i>	1,288.03 71.40	173.41
23 05 23 00-0868 EA 8" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights..... <i>For Work In Restricted Working Space, Add</i>	1,686.36 80.92	219.64
<b>23 05 23 00-0869 Polyvinyl Chloride (PVC) Body, Swing Check Valves With Viton Seals And Counter Weights</b> <small>(23 05 23 00-0853)</small>		
23 05 23 00-0870 EA 3" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights ..... <i>For Work In Restricted Working Space, Add</i>	829.68 34.92	91.27
23 05 23 00-0871 EA 4" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights ..... <i>For Work In Restricted Working Space, Add</i>	1,120.66 57.52	154.82
23 05 23 00-0872 EA 6" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights ..... <i>For Work In Restricted Working Space, Add</i>	1,495.38 71.40	173.41
23 05 23 00-0873 EA 8" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights ..... <i>For Work In Restricted Working Space, Add</i>	1,935.18 80.92	219.64
<b>23 05 23 00-0874 Crimped Bronze, 200 PSI, Y-Pattern, Swing Check Valves</b> <small>(23 05 23 00-0667)</small> Note: Nibco®		
23 05 23 00-0875 EA 1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve..... <i>For Work In Restricted Working Space, Add</i>	113.62 4.78	7.08
23 05 23 00-0876 EA 3/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve..... <i>For Work In Restricted Working Space, Add</i>	145.00 5.44	7.79
23 05 23 00-0877 EA 1" Crimped Bronze, 200 PSI, Y-Pattern Check Valve..... <i>For Work In Restricted Working Space, Add</i>	201.04 6.51	8.85
23 05 23 00-0878 EA 1-1/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve..... <i>For Work In Restricted Working Space, Add</i>	268.86 7.17	9.41
23 05 23 00-0879 EA 1-1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve..... <i>For Work In Restricted Working Space, Add</i>	321.10 7.97	10.90
23 05 23 00-0880 EA 2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve..... <i>For Work In Restricted Working Space, Add</i>	460.55 9.56	12.89
<b>23 05 23 00-0881 Crimped Bronze, 250 PSI, In-Line, Check Valves</b> <small>(23 05 23 00-0667)</small>		
23 05 23 00-0882 EA 1/2" Crimped Bronze, 200 PSI, In-Line Check Valve.....	31.60	7.08
23 05 23 00-0883 EA 3/4" Crimped Bronze, 200 PSI, In-Line Check Valve.....	38.19	7.79
23 05 23 00-0884 EA 1" Crimped Bronze, 200 PSI, In-Line Check Valve.....	44.80	8.85
23 05 23 00-0885 EA 1-1/4" Crimped Bronze, 200 PSI, In-Line Check Valve.....	57.31	9.41
23 05 23 00-0886 EA 1-1/2" Crimped Bronze, 200 PSI, In-Line Check Valve.....	74.00	10.90
23 05 23 00-0887 EA 2" Crimped Bronze, 200 PSI, In-Line Check Valve.....	118.20	12.89
<b>23 05 23 00-0888 Diaphragm Valves</b> <small>(23 05 23)</small>		
<b>23 05 23 00-0889 Polytetrafluoroethylene (PTFE) Or Viton Lined, Threaded Cast Iron Diaphragm Valves</b> <small>(23 05 23 00-0888)</small>		
23 05 23 00-0890 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	238.85	21.19
23 05 23 00-0891 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	310.70	23.46
23 05 23 00-0892 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	332.53	29.01
23 05 23 00-0893 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	531.06	43.35
23 05 23 00-0894 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	876.86	52.15
<b>23 05 23 00-0895 Polytetrafluoroethylene (PTFE) Or Viton Lined, Flanged Cast Iron Diaphragm Valves</b> <small>(23 05 23 00-0888)</small>		
23 05 23 00-0896 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	153.96	33.98
23 05 23 00-0897 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	178.35	35.40

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0898 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	213.00	53.11
23 05 23 00-0899 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	320.59	74.35
23 05 23 00-0900 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	503.24	94.39
23 05 23 00-0901 EA 2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	635.46	94.52
23 05 23 00-0902 EA 3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	787.32	110.82
23 05 23 00-0903 EA 4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	1,123.21	185.79
23 05 23 00-0904 EA 6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	2,255.86	208.08
23 05 23 00-0905 EA 8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated.....	3,493.59	265.89
<b>23 05 23 00-0906 Ethylene Propylene Diene Monomer (EPDM) Lined, Threaded Cast Iron Diaphragm Valves (23 05 23 00-0888)</b>		
23 05 23 00-0907 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	136.56	21.19
23 05 23 00-0908 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	184.17	23.46
23 05 23 00-0909 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	206.01	29.01
23 05 23 00-0910 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	358.76	43.35
23 05 23 00-0911 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	475.74	52.15
<b>23 05 23 00-0912 Ethylene Propylene Diene Monomer (EPDM) Lined, Flanged Cast Iron Diaphragm Valves (23 05 23 00-0888)</b>		
23 05 23 00-0913 EA 1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	106.31	33.98
23 05 23 00-0914 EA 3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	123.82	35.40
23 05 23 00-0915 EA 1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	158.47	53.11
23 05 23 00-0916 EA 1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	246.33	74.35
23 05 23 00-0917 EA 2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	330.35	94.39
23 05 23 00-0918 EA 2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	395.36	94.52
23 05 23 00-0919 EA 3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	479.84	110.82
23 05 23 00-0920 EA 4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	760.76	185.79
23 05 23 00-0921 EA 6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	1,443.84	208.08
23 05 23 00-0922 EA 8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated.....	2,205.65	265.89
<b>23 05 23 00-0923 125 LB, Hand Wheel Operated, Flanged Cast Iron Diaphragm Valves (23 05 23 00-0888)</b>		
23 05 23 00-0924 EA 1" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	196.58	53.11
23 05 23 00-0925 EA 1-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	314.55	74.35
23 05 23 00-0926 EA 2" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	421.45	94.39
23 05 23 00-0927 EA 2-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	591.81	94.52
23 05 23 00-0928 EA 3" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	655.88	110.82
23 05 23 00-0929 EA 4" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	1,032.44	185.79
23 05 23 00-0930 EA 6" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	1,997.70	208.08
23 05 23 00-0931 EA 8" Diaphragm Valve, Cast Iron, 125 LB, Flanged.....	4,112.75	265.89
<b>23 05 23 00-0932 Plastic Diaphragm Valves (23 05 23 00-0888)</b>		
<b>23 05 23 00-0933 Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valves (23 05 23 00-0932)</b>		
23 05 23 00-0934 EA 1/2" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314).....	163.42	21.19
23 05 23 00-0935 EA 3/4" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314).....	182.91	23.40
23 05 23 00-0936 EA 1" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314).....	232.12	29.01
23 05 23 00-0937 EA 1-1/4" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314).....	342.03	37.48
23 05 23 00-0938 EA 1-1/2" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314).....	355.60	43.42
23 05 23 00-0939 EA 2" Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 314).....	416.11	52.15
<b>23 05 23 00-0940 Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valves (23 05 23 00-0932)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0941 EA 1/2" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315) .....	239.73	21.19
23 05 23 00-0942 EA 3/4" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315) .....	260.88	23.40
23 05 23 00-0943 EA 1" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315) .....	333.31	29.01
23 05 23 00-0944 EA 1-1/4" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315) .....	431.60	37.48
23 05 23 00-0945 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315) .....	481.66	43.42
23 05 23 00-0946 EA 2" Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valve (George Fisher Type 315) .....	518.96	52.15
<b>23 05 23 00-0947 Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves (23 05 23 00-0932)</b>		
<b>23 05 23 00-0948 Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves (23 05 23 00-0947)</b>		
23 05 23 00-0949 EA 1/2" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	106.80	21.19
23 05 23 00-0950 EA 3/4" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	119.93	23.46
23 05 23 00-0951 EA 1" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	149.28	29.01
23 05 23 00-0952 EA 1-1/4" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	214.33	37.48
23 05 23 00-0953 EA 1-1/2" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	226.07	43.35
23 05 23 00-0954 EA 2" Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	269.47	52.15
<b>23 05 23 00-0955 Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves (23 05 23 00-0947)</b>		
23 05 23 00-0956 EA 1/2" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	106.80	21.19
23 05 23 00-0957 EA 3/4" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	119.93	23.46
23 05 23 00-0958 EA 1" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	149.58	29.01
23 05 23 00-0959 EA 1-1/4" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	214.33	37.48
23 05 23 00-0960 EA 1-1/2" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	226.07	43.35
23 05 23 00-0961 EA 2" Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	269.47	52.15
<b>23 05 23 00-0962 Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves (23 05 23 00-0932)</b>		
<b>23 05 23 00-0963 Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves (23 05 23 00-0962)</b>		
23 05 23 00-0964 EA 1/2" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	93.89	21.19
23 05 23 00-0965 EA 3/4" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	104.96	23.46
23 05 23 00-0966 EA 1" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	131.00	29.01
23 05 23 00-0967 EA 1-1/4" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	186.46	37.48
23 05 23 00-0968 EA 1-1/2" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	198.20	43.35
23 05 23 00-0969 EA 2" Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	236.45	52.15
<b>23 05 23 00-0970 Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves (23 05 23 00-0962)</b>		
23 05 23 00-0971 EA 1/2" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	93.89	21.19
23 05 23 00-0972 EA 3/4" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	104.96	23.46
23 05 23 00-0973 EA 1" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	131.00	29.01
23 05 23 00-0974 EA 1-1/4" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	186.46	37.48
23 05 23 00-0975 EA 1-1/2" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	198.20	43.35
23 05 23 00-0976 EA 2" Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	236.45	52.15
<b>23 05 23 00-0977 Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves (23 05 23 00-0932)</b>		
<b>23 05 23 00-0978 Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves (23 05 23 00-0977)</b>		
23 05 23 00-0979 EA 1/2" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	126.11	21.19
23 05 23 00-0980 EA 3/4" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	136.03	23.46
23 05 23 00-0981 EA 1" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	189.14	29.01
23 05 23 00-0982 EA 1-1/4" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	253.58	37.48
23 05 23 00-0983 EA 1-1/2" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	265.32	43.35
23 05 23 00-0984 EA 2" Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve .....	322.14	52.15
<b>23 05 23 00-0985 Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves (23 05 23 00-0977)</b>		

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0986 EA 1/2" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve.....	126.11	21.19
23 05 23 00-0987 EA 3/4" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve.....	136.03	23.46
23 05 23 00-0988 EA 1" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve.....	189.14	29.01
23 05 23 00-0989 EA 1-1/4" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve.....	253.55	37.48
23 05 23 00-0990 EA 1-1/2" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve.....	265.32	43.35
23 05 23 00-0991 EA 2" Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve.....	322.14	52.15
<b>23 05 23 00-0992 Pinch Valves (23 05 23)</b>		
<b>23 05 23 00-0993 Open Cast Iron Body Pinch Valves, Manually Operated (23 05 23 00-0992)</b>		
23 05 23 00-0994 EA 4" Pinch Valve, Open Cast Iron Body, Buna-N Sleeve, Flanged.....	919.35	185.79
For Viton Sleeve Material, Add	287.00	
For Epoxy Coated, Add	50.00	
23 05 23 00-0995 EA 8" Pinch Valve, Open Cast Iron Body, Buna-N Sleeve, Flanged.....	2,236.89	265.89
For Viton Sleeve Material, Add	487.00	
For Epoxy Coated, Add	138.00	
23 05 23 00-0996 EA 12" Pinch Valve, Open Cast Iron Body, Buna-N Sleeve, Flanged.....	3,570.23	393.05
For Viton Sleeve Material, Add	673.00	
For Epoxy Coated, Add	223.00	
23 05 23 00-0997 EA 20" Pinch Valve, Open Cast Iron Body, Buna-N Sleeve, Flanged.....	11,188.03	635.81
For Viton Sleeve Material, Add	1,141.00	
For Epoxy Coated, Add	753.00	
23 05 23 00-0998 EA 24" Pinch Valve, Open Cast Iron Body, Buna-N Sleeve, Flanged.....	13,076.74	780.32
For Viton Sleeve Material, Add	1,287.00	
For Epoxy Coated, Add	877.00	
<b>23 05 23 00-0999 Closed Cast Iron Body Pinch Valves, Manually Operated (23 05 23 00-0992)</b>		
23 05 23 00-1000 EA 4" Pinch Valve, Closed Cast Iron Body, Buna-N Sleeve, Flanged.....	1,152.34	185.79
For Viton Sleeve Material, Add	287.00	
For Epoxy Coated, Add	67.00	
23 05 23 00-1001 EA 8" Pinch Valve, Closed Cast Iron Body, Buna-N Sleeve, Flanged.....	2,548.46	265.89
For Viton Sleeve Material, Add	487.00	
For Epoxy Coated, Add	160.00	
23 05 23 00-1002 EA 12" Pinch Valve, Closed Cast Iron Body, Buna-N Sleeve, Flanged.....	4,691.03	393.05
For Viton Sleeve Material, Add	673.00	
For Epoxy Coated, Add	304.00	
23 05 23 00-1003 EA 16" Pinch Valve, Closed Cast Iron Body, Buna-N Sleeve.....	9,290.37	508.65
For Viton Sleeve Material, Add	849.00	
For Epoxy Coated, Add	615.00	
23 05 23 00-1004 EA 20" Pinch Valve, Closed Cast Iron Body, Buna-N Sleeve, Flanged.....	15,632.63	635.81
For Viton Sleeve Material, Add	1,141.00	
For Epoxy Coated, Add	1,076.00	
23 05 23 00-1005 EA 24" Pinch Valve, Closed Cast Iron Body, Buna-N Sleeve, Flanged.....	19,363.16	780.32
For Viton Sleeve Material, Add	1,287.00	
For Epoxy Coated, Add	1,333.00	
<b>23 05 23 00-1006 Closed Aluminum Body Pinch Valves, Manually Operated (23 05 23 00-0992)</b>		
23 05 23 00-1007 EA 4" Pinch Valve, Closed Aluminum Body, Buna-N Sleeve, Flanged.....	1,400.48	185.79
For Viton Sleeve Material, Add	287.00	
23 05 23 00-1008 EA 8" Pinch Valve, Closed Aluminum Body, Buna-N Sleeve, Flanged.....	3,354.94	265.89
For Viton Sleeve Material, Add	487.00	
23 05 23 00-1009 EA 12" Pinch Valve, Closed Aluminum Body, Buna-N Sleeve, Flanged.....	5,733.26	393.05
For Viton Sleeve Material, Add	673.00	
<b>23 05 23 00-1010 Solenoid Valves (23 05 23)</b>		
<b>23 05 23 00-1011 Bronze Body Solenoid Valves, 150 PSI Maximum Water Pressure (23 05 23 00-1010)</b>		
23 05 23 00-1012 EA 1/4" Solenoid Valve, Bronze, 150 PSI, Water.....	84.99	7.08
23 05 23 00-1013 EA 1/2" Solenoid Valve, Bronze, 150 PSI, Water.....	98.73	7.08
23 05 23 00-1014 EA 3/4" Solenoid Valve, Bronze, 150 PSI, Water.....	126.23	7.79
23 05 23 00-1015 EA 1" Solenoid Valve, Bronze, 150 PSI, Water.....	186.76	8.85
23 05 23 00-1016 EA 1-1/2" Solenoid Valve, Bronze, 150 PSI, Water.....	330.45	10.90
23 05 23 00-1017 EA 2" Solenoid Valve, Bronze, 150 PSI, Water.....	519.38	12.89
23 05 23 00-1018 EA 2-1/2" Solenoid Valve, Bronze, 150 PSI, Water.....	707.47	17.40
23 05 23 00-1019 EA 3" Solenoid Valve, Bronze, 150 PSI, Water.....	1,028.73	20.21
<b>23 05 23 00-1020 Polyvinyl Chloride (PVC) Body Solenoid Valves (23 05 23 00-1010)</b>		
23 05 23 00-1021 EA 1/2" Polyvinyl Chloride (PVC) Solenoid Valve, Viton Seals.....	203.52	7.08
23 05 23 00-1022 EA 3/4" Polyvinyl Chloride (PVC) Solenoid Valve, Viton Seals.....	276.51	7.79
23 05 23 00-1023 EA 1" Polyvinyl Chloride (PVC) Solenoid Valve, Viton Seals.....	305.70	8.85
23 05 23 00-1024 EA 1-1/2" Polyvinyl Chloride (PVC) Solenoid Valve, Ethylene Propylene Diene Monomer (EPDM) Seals.....	199.39	7.08
23 05 23 00-1025 EA 3/4" Polyvinyl Chloride (PVC) Solenoid Valve, Ethylene Propylene Diene Monomer (EPDM) Seals.....	270.32	7.79
23 05 23 00-1026 EA 1" Polyvinyl Chloride (PVC) Solenoid Valve, Ethylene Propylene Diene Monomer (EPDM) Seals.....	298.48	8.85
<b>23 05 23 00-1027 Flow Control Valves And Meters (23 05 23)</b>		



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 05 23 00-1028</b>		<b>Conditioned Water Balancing Valves</b> <small>(23 05 23 00-1027)</small> Note: Working pressures up to 300 PSIG. Iron and bronze body construction (combination balancing, flow measuring and shut-off). Excludes portable read-out meter.		
	23 05 23 00-1029	EA 1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	108.68	37.09
	23 05 23 00-1030	EA 3/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	129.95	49.44
	23 05 23 00-1031	EA 1" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	277.66	56.49
	23 05 23 00-1032	EA 1-1/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	366.67	69.80
	23 05 23 00-1033	EA 1-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	430.18	74.16
	23 05 23 00-1034	EA 2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	593.42	84.78
	23 05 23 00-1035	EA 2-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	1,134.12	147.55
	23 05 23 00-1036	EA 3" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	1,620.88	168.64
	23 05 23 00-1037	EA 3" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	986.49	113.81
	23 05 23 00-1038	EA 4" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	1,224.80	190.80
	23 05 23 00-1039	EA 6" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	1,433.43	241.01
	23 05 23 00-1040	EA 8" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	2,418.85	307.96
	23 05 23 00-1041	EA 10" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	4,060.15	374.91
<b>23 05 23 00-1042</b>		<b>Read Out Meters</b> <small>(23 05 23 00-1027)</small> Note: For use with conditioned portable water balancing valves.		
	23 05 23 00-1043	EA 0.5 - 25% Accuracy Read Out Meter For Use With Portable Water Balancing Valve .....	845.55	
	23 05 23 00-1044	EA 0.5 - 50% Accuracy Read Out Meter For Use With Portable Water Balancing Valve .....	1,144.28	
	23 05 23 00-1045	EA 0.5 - 75% Accuracy Read Out Meter For Use With Portable Water Balancing Valve .....	1,144.28	
	23 05 23 00-1046	EA 0.5 - 100% Accuracy Read Out Meter For Use With Portable Water Balancing Valve .....	1,144.28	
<b>23 05 23 00-1047</b>		<b>Balancing Valves</b> <small>(23 05 23)</small>		
<b>23 05 23 00-1048</b>		<b>Balancing Valves With Lever</b> <small>(23 05 23 00-1047)</small> Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
	23 05 23 00-1049	EA 1/2" Threaded Balancing Valve With Lever .....	142.22	22.90
	23 05 23 00-1050	EA 3/4" Threaded Balancing Valve With Lever .....	159.85	30.17
	23 05 23 00-1051	EA 1" Threaded Balancing Valve With Lever .....	170.96	34.54
	23 05 23 00-1052	EA 1-1/4" Threaded Balancing Valve With Lever .....	195.93	42.90
	23 05 23 00-1053	EA 1-1/2" Threaded Balancing Valve With Lever .....	210.00	45.44
	23 05 23 00-1054	EA 2" Threaded Balancing Valve With Lever .....	232.91	51.99
	23 05 23 00-1055	EA 2-1/2" Flanged Balancing Valve With Lever .....	372.36	97.07
	23 05 23 00-1056	EA 3" Flanged Balancing Valve With Lever .....	425.34	113.81
	23 05 23 00-1057	EA 4" Flanged Balancing Valve With Lever .....	649.78	190.80
	23 05 23 00-1058	EA 5" Flanged Balancing Valve With Lever .....	964.29	216.91
	23 05 23 00-1059	EA 6" Flanged Balancing Valve With Lever .....	995.91	241.01
	23 05 23 00-1060	EA 8" Flanged Balancing Valve With Lever .....	1,345.37	307.96
<b>23 05 23 00-1061</b>		<b>Balancing Valves With Nut</b> <small>(23 05 23 00-1047)</small> Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
	23 05 23 00-1062	EA 4" Flanged Balancing Valve With Nut .....	617.53	190.80
	23 05 23 00-1063	EA 5" Flanged Balancing Valve With Nut .....	923.35	216.91
	23 05 23 00-1064	EA 6" Flanged Balancing Valve With Nut .....	954.97	241.01
	23 05 23 00-1065	EA 8" Flanged Balancing Valve With Nut .....	1,288.30	307.96
<b>23 05 23 00-1066</b>		<b>Balancing Valves With Hand Wheel</b> <small>(23 05 23 00-1047)</small> Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
	23 05 23 00-1067	EA 4" Flanged Balancing Valve With Hand Wheel .....	859.47	190.80
	23 05 23 00-1068	EA 5" Flanged Balancing Valve With Hand Wheel .....	1,177.70	216.91
	23 05 23 00-1069	EA 6" Flanged Balancing Valve With Hand Wheel .....	1,209.32	241.01
	23 05 23 00-1070	EA 8" Flanged Balancing Valve With Hand Wheel .....	1,566.23	307.96
	23 05 23 00-1071	EA 10" Flanged Balancing Valve With Hand Wheel .....	2,322.30	374.91
	23 05 23 00-1072	EA 12" Flanged Balancing Valve With Hand Wheel .....	3,013.50	293.34
	23 05 23 00-1073	EA 14" Flanged Balancing Valve With Hand Wheel .....	4,071.13	553.08
<b>23 05 23 00-1074</b>		<b>Balancing Valves With Chain Wheel</b> <small>(23 05 23 00-1047)</small> Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
	23 05 23 00-1075	EA 4" Flanged Balancing Valve With Chain Wheel .....	990.99	190.80
	23 05 23 00-1076	EA 5" Flanged Balancing Valve With Chain Wheel .....	1,310.46	216.91
	23 05 23 00-1077	EA 6" Flanged Balancing Valve With Chain Wheel .....	1,342.08	241.01
	23 05 23 00-1078	EA 8" Flanged Balancing Valve With Chain Wheel .....	1,697.74	307.96
	23 05 23 00-1079	EA 10" Flanged Balancing Valve With Chain Wheel .....	2,455.05	374.91
	23 05 23 00-1080	EA 12" Flanged Balancing Valve With Chain Wheel .....	3,176.22	293.14
	23 05 23 00-1081	EA 14" Flanged Balancing Valve With Chain Wheel .....	4,232.42	553.08
<b>23 05 23 00-1082</b>		<b>Calibrated Balancing Valves</b> <small>(23 05 23 00-1047)</small> Note: Bell & Gossett CB Series.		
	23 05 23 00-1083	EA 1/2" Brazed Or Soldered Calibrated Balancing Valve (CB-1/2S) .....	79.40	7.27



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-1084	EA		3/4" Brazed Or Soldered Calibrated Balancing Valve (CB-3/4S) .....	93.14	7.99
23 05 23 00-1085	EA		1" Brazed Or Soldered Calibrated Balancing Valve (CB-1S) .....	113.78	9.09
23 05 23 00-1086	EA		1-1/4" Brazed Or Soldered Calibrated Balancing Valve (CB-1-1/4S) .....	153.36	9.67
23 05 23 00-1087	EA		1" Threaded Calibrated Balancing Valve (CB-1) .....	121.47	9.09
23 05 23 00-1088	EA		1-1/4" Threaded Calibrated Balancing Valve (CB-1-1/4) .....	166.64	9.67
23 05 23 00-1089	EA		1-1/2" Threaded Calibrated Balancing Valve (CB-1-1/2) .....	193.67	11.20
23 05 23 00-1090	EA		2" Threaded Calibrated Balancing Valve (CB-2) .....	261.87	13.24
23 05 23 00-1091	EA		2-1/2" Threaded Calibrated Balancing Valve (CB-2-1/2) .....	488.47	19.42
23 05 23 00-1092	EA		3" Threaded Calibrated Balancing Valve (CB-3) .....	688.66	22.54
23 05 23 00-1093	EA		2-1/2" Flanged Calibrated Balancing Valve (CB-2-1/2F) .....	649.60	105.43
23 05 23 00-1094	EA		3" Flanged Calibrated Balancing Valve (CB-3F) .....	941.30	123.61
23 05 23 00-1095	EA		4" Flanged Calibrated Balancing Valve (CB-4F) .....	1,472.78	207.23
23 05 23 00-1096	EA		5" Flanged Calibrated Balancing Valve (CB-5F) .....	2,122.42	235.58
23 05 23 00-1097	EA		6" Flanged Calibrated Balancing Valve (CB-6F) .....	2,793.02	261.76
23 05 23 00-1098	EA		8" Flanged Calibrated Balancing Valve (CB-8F) .....	5,047.64	334.47
23 05 23 00-1099	EA		10" Flanged Calibrated Balancing Valve (CB-10F) .....	7,011.46	387.16
23 05 23 00-1100	EA		12" Flanged Calibrated Balancing Valve (CB-12F) .....	14,757.80	470.12
23 05 23 00-1101	EA		4" Grooved Calibrated Balancing Valve (CB-4G) .....	1,749.86	24.38
23 05 23 00-1102	EA		5" Grooved Calibrated Balancing Valve (CB-5G) .....	2,015.65	29.48
23 05 23 00-1103	EA		6" Grooved Calibrated Balancing Valve (CB-6G) .....	2,678.61	37.80
23 05 23 00-1104	EA		8" Grooved Calibrated Balancing Valve (CB-8G) .....	5,014.96	47.97
23 05 23 00-1105	EA		10" Grooved Calibrated Balancing Valve (CB-10G) .....	6,741.89	53.75
23 05 23 00-1106	EA		12" Grooved Calibrated Balancing Valve (CB-12G) .....	13,883.83	65.55

**23 05 23 00-1107 Butterfly Valves (23 05 23)****23 05 23 00-1108 Cast Iron Body, Iron Disc, 150 PSI, Wafer Type, Butterfly Valves (23 05 23 00-1107)**

Note: With on-off handle

23 05 23 00-1109	EA		2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type .....	203.37	94.39
			<i>For Lug Type, Add</i>	12.80	
			<i>For 200 PSI, Add</i>	40.97	
			<i>For Work In Restricted Working Space, Add</i>	35.40	
23 05 23 00-1110	EA		2-1/2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type .....	208.85	94.52
			<i>For Lug Type, Add</i>	13.55	
			<i>For 200 PSI, Add</i>	43.36	
			<i>For Work In Restricted Working Space, Add</i>	35.56	
23 05 23 00-1111	EA		3" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type .....	235.97	110.82
			<i>For Lug Type, Add</i>	14.59	
			<i>For 200 PSI, Add</i>	46.69	
			<i>For Work In Restricted Working Space, Add</i>	41.61	
23 05 23 00-1112	EA		4" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type .....	354.90	185.79
			<i>For Lug Type, Add</i>	18.31	
			<i>For 200 PSI, Add</i>	58.60	
			<i>For Work In Restricted Working Space, Add</i>	69.84	
23 05 23 00-1113	EA		5" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type .....	434.74	208.08
			<i>For Lug Type, Add</i>	26.06	
			<i>For 200 PSI, Add</i>	83.38	
			<i>For Work In Restricted Working Space, Add</i>	78.31	
23 05 23 00-1114	EA		6" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type .....	501.42	231.21
			<i>For Lug Type, Add</i>	31.86	
			<i>For 200 PSI, Add</i>	101.96	
			<i>For Work In Restricted Working Space, Add</i>	86.70	
23 05 23 00-1115	EA		8" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type .....	649.90	265.89
			<i>For Lug Type, Add</i>	47.94	
			<i>For 200 PSI, Add</i>	153.41	
			<i>For Work In Restricted Working Space, Add</i>	99.09	
23 05 23 00-1116	EA		10" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type .....	1,023.98	323.69
			<i>For Lug Type, Add</i>	92.91	
			<i>For 200 PSI, Add</i>	297.30	
			<i>For Work In Restricted Working Space, Add</i>	121.38	
23 05 23 00-1117	EA		12" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type .....	1,279.55	393.05
			<i>For Lug Type, Add</i>	118.37	
			<i>For 200 PSI, Add</i>	378.77	
			<i>For Work In Restricted Working Space, Add</i>	147.13	

**23 05 23 00-1118 Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve (23 05 23 00-1107)**

23 05 23 00-1119	EA		2-1/2" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve .....	862.65	18.91
			<i>For Work In Restricted Working Space, Add</i>	11.15	
23 05 23 00-1120	EA		3" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve .....	933.22	21.95
			<i>For Work In Restricted Working Space, Add</i>	13.28	
23 05 23 00-1121	EA		4" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve .....	1,166.10	24.78
			<i>For Work In Restricted Working Space, Add</i>	17.52	

**23 05 23 00-1122 Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Lug Type, Butterfly Valves (23 05 23 00-1107)**

23 05 23 00-1123	EA		2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI .....	352.26	94.39
			<i>For Work In Restricted Working Space, Add</i>	35.40	
23 05 23 00-1124	EA		2-1/2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI .....	354.76	94.52
			<i>For Work In Restricted Working Space, Add</i>	35.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-1125 EA 3" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	386.85	110.82
<i>For Work In Restricted Working Space, Add</i>	41.61	
23 05 23 00-1126 EA 4" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	512.72	185.79
<i>For Work In Restricted Working Space, Add</i>	69.84	
23 05 23 00-1127 EA 5" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	609.44	208.08
<i>For Work In Restricted Working Space, Add</i>	78.31	
23 05 23 00-1128 EA 6" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	675.07	231.21
<i>For Work In Restricted Working Space, Add</i>	86.70	
23 05 23 00-1129 EA 8" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	830.56	265.89
<i>For Work In Restricted Working Space, Add</i>	99.09	
23 05 23 00-1130 EA 10" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	1,050.78	323.69
<i>For Work In Restricted Working Space, Add</i>	121.38	
23 05 23 00-1131 EA 12" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	1,429.43	393.05
<i>For Work In Restricted Working Space, Add</i>	147.13	
<b>23 05 23 00-1132 Cast Iron Body, Bronze Disc, Gear Operated, 150 LB, Lug Type, Butterfly Valves</b> <small>(23 05 23 00-1107)</small>		
23 05 23 00-1133 EA 14" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	2,294.15	463.46
<i>For 200 PSI, Add</i>	603.44	
<i>For Work In Restricted Working Space, Add</i>	185.38	
23 05 23 00-1134 EA 16" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	2,931.71	543.80
<i>For 200 PSI, Add</i>	810.71	
<i>For Work In Restricted Working Space, Add</i>	203.92	
23 05 23 00-1135 EA 18" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	4,101.13	605.59
<i>For 200 PSI, Add</i>	1,204.51	
<i>For Work In Restricted Working Space, Add</i>	226.58	
23 05 23 00-1136 EA 20" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	5,274.99	679.74
<i>For 200 PSI, Add</i>	1,593.11	
<i>For Work In Restricted Working Space, Add</i>	254.90	
23 05 23 00-1137 EA 24" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	7,088.16	834.23
<i>For 200 PSI, Add</i>	2,175.26	
<i>For Work In Restricted Working Space, Add</i>	313.73	
23 05 23 00-1138 EA 30" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	14,793.85	1,432.63
<i>For 200 PSI, Add</i>	4,669.38	
<i>For Work In Restricted Working Space, Add</i>	547.00	
23 05 23 00-1139 EA 36" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	18,759.07	1,953.58
<i>For 200 PSI, Add</i>	5,932.76	
<i>For Work In Restricted Working Space, Add</i>	683.75	
23 05 23 00-1140 EA 42" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	22,740.53	2,865.24
<i>For 200 PSI, Add</i>	6,924.28	
<i>For Work In Restricted Working Space, Add</i>	1,051.92	
23 05 23 00-1141 EA 48" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	27,630.94	3,581.55
<i>For 200 PSI, Add</i>	8,306.14	
<i>For Work In Restricted Working Space, Add</i>	1,367.50	
23 05 23 00-1142 EA 54" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI.....	33,366.42	4,297.87
<i>For 200 PSI, Add</i>	9,960.66	
<i>For Work In Restricted Working Space, Add</i>	1,709.38	
<b>23 05 23 00-1143 Polyvinyl Chloride (PVC) Butterfly Valves, With Operator</b> <small>(23 05 23 00-1107)</small>		
<b>23 05 23 00-1144 Polyvinyl Chloride (PVC) Butterfly Valves, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals</b> <small>(23 05 23 00-1143)</small>		
23 05 23 00-1145 EA 1-1/2" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals.....	188.40	61.96
23 05 23 00-1146 EA 2" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals.....	209.77	77.89
23 05 23 00-1147 EA 3" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals.....	239.18	91.27
23 05 23 00-1148 EA 4" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals.....	334.11	154.82
23 05 23 00-1149 EA 6" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals.....	452.62	173.41
23 05 23 00-1150 EA 8" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals.....	652.53	219.64
23 05 23 00-1151 EA 10" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals.....	1,097.59	260.11
23 05 23 00-1152 EA 12" Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals.....	1,455.98	317.91
<b>23 05 23 00-1153 Polyvinyl Chloride (PVC) Butterfly Valves, Viton Liner And Seals</b> <small>(23 05 23 00-1143)</small>		
23 05 23 00-1154 EA 1-1/2" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals.....	309.12	61.96
23 05 23 00-1155 EA 2" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals.....	330.49	77.89
23 05 23 00-1156 EA 3" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals.....	382.60	91.27
23 05 23 00-1157 EA 4" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals.....	514.68	154.82
23 05 23 00-1158 EA 6" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals.....	767.31	173.41
23 05 23 00-1159 EA 8" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals.....	1,164.29	219.64
23 05 23 00-1160 EA 10" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals.....	2,273.81	260.11
23 05 23 00-1161 EA 12" Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals.....	3,056.26	317.91
<b>23 05 23 00-1162 Polyvinyl Chloride (PVC)/Polypropylene Butterfly Valves, With Operator</b> <small>(23 05 23 00-1107)</small>		
<b>23 05 23 00-1163 Polyvinyl Chloride (PVC)/Polypropylene Butterfly Valves, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals</b> <small>(23 05 23 00-1162)</small>		
23 05 23 00-1164 EA 2" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals.....	220.29	77.89

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-1165 EA 2-1/2" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals .....	227.73	78.23
23 05 23 00-1166 EA 3" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals .....	246.66	91.27
23 05 23 00-1167 EA 4" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals .....	332.53	154.82
23 05 23 00-1168 EA 6" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals .....	446.45	173.41
23 05 23 00-1169 EA 8" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals .....	738.13	219.64
23 05 23 00-1170 EA 10" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals .....	1,228.86	260.11
23 05 23 00-1171 EA 12" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals .....	1,603.18	317.91
<b>23 05 23 00-1172 Polyvinyl Chloride (PVC)/Polypropylene Butterfly Valves, Viton Liner And Seals</b> <small>(23 05 23 00-1162)</small>		
23 05 23 00-1173 EA 2" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals .....	305.89	32.22
23 05 23 00-1174 EA 2-1/2" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals .....	329.97	38.94
23 05 23 00-1175 EA 3" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals .....	343.22	43.42
23 05 23 00-1176 EA 4" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals .....	402.26	50.13
23 05 23 00-1177 EA 6" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals .....	644.14	81.49
23 05 23 00-1178 EA 8" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals .....	1,436.72	130.38
23 05 23 00-1179 EA 10" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals .....	2,203.34	144.72
23 05 23 00-1180 EA 12" Butterfly Valve, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals .....	3,142.68	162.97
<b>23 05 23 00-1181 Polyvinylidene Fluoride (PVDF) Butterfly Valves, With Operator</b> <small>(23 05 23 00-1107)</small>		
<b>23 05 23 00-1182 Polyvinylidene Fluoride (PVDF) Butterfly Valves, Viton Liner And Seals</b> <small>(23 05 23 00-1181)</small>		
23 05 23 00-1183 EA 2" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals .....	887.83	77.89
23 05 23 00-1184 EA 2-1/2" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals .....	924.13	78.23
23 05 23 00-1185 EA 3" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals .....	1,003.19	91.27
23 05 23 00-1186 EA 4" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals .....	1,395.92	154.82
23 05 23 00-1187 EA 6" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals .....	2,532.74	173.41
23 05 23 00-1188 EA 8" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals .....	5,075.01	219.64
23 05 23 00-1189 EA 10" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals .....	7,591.24	260.11
23 05 23 00-1190 EA 12" Butterfly Valve, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals .....	9,472.34	317.91
<b>23 05 29 Hangers And Supports For HVAC Piping And Equipment</b> <small>(23 05)</small>		
<b>23 05 29 00-0001 Hangers And Supports</b> <small>(23 05 29)</small>		
<b>23 05 29 00-0002 Clevis Hangers</b> <small>(23 05 29 00-0001)</small>		
<b>23 05 29 00-0003 Steel Clevis Hanger (Cooper B-Line B3100)</b> <small>(23 05 29 00-0002)</small>		
Note: Type 1.		
23 05 29 00-0004 EA 1/2" Steel Clevis Hanger (Cooper B-Line B3100) .....	14.07	5.87
For Work In Restricted Working Space, Add	3.52	
23 05 29 00-0005 EA 3/4" Steel Clevis Hanger (Cooper B-Line B3100) .....	15.37	6.51
For Work In Restricted Working Space, Add	3.91	
23 05 29 00-0006 EA 1" Steel Clevis Hanger (Cooper B-Line B3100) .....	16.13	6.51
For Work In Restricted Working Space, Add	4.12	
23 05 29 00-0007 EA 1-1/4" Steel Clevis Hanger (Cooper B-Line B3100) .....	16.88	7.05
For Work In Restricted Working Space, Add	4.23	
23 05 29 00-0008 EA 1-1/2" Steel Clevis Hanger (Cooper B-Line B3100) .....	17.18	7.05
For Work In Restricted Working Space, Add	4.23	
23 05 29 00-0009 EA 2" Steel Clevis Hanger (Cooper B-Line B3100) .....	18.17	7.17
For Work In Restricted Working Space, Add	4.35	
23 05 29 00-0010 EA 2-1/2" Steel Clevis Hanger (Cooper B-Line B3100) .....	20.86	7.43
For Work In Restricted Working Space, Add	4.47	
23 05 29 00-0011 EA 3" Steel Clevis Hanger (Cooper B-Line B3100) .....	22.84	7.82
For Work In Restricted Working Space, Add	4.60	
23 05 29 00-0012 EA 3-1/2" Steel Clevis Hanger (Cooper B-Line B3100) .....	23.56	8.59
For Work In Restricted Working Space, Add	4.91	
23 05 29 00-0013 EA 4" Steel Clevis Hanger (Cooper B-Line B3100) .....	26.41	9.13
For Work In Restricted Working Space, Add	5.21	
23 05 29 00-0014 EA 5" Steel Clevis Hanger (Cooper B-Line B3100) .....	34.34	10.92
For Work In Restricted Working Space, Add	6.55	
23 05 29 00-0015 EA 6" Steel Clevis Hanger (Cooper B-Line B3100) .....	41.51	13.04
For Work In Restricted Working Space, Add	7.82	
23 05 29 00-0016 EA 8" Steel Clevis Hanger (Cooper B-Line B3100) .....	58.15	16.30
For Work In Restricted Working Space, Add	9.78	
23 05 29 00-0017 EA 10" Steel Clevis Hanger (Cooper B-Line B3100) .....	89.01	22.16
For Work In Restricted Working Space, Add	13.04	
23 05 29 00-0018 EA 12" Steel Clevis Hanger (Cooper B-Line B3100) .....	106.29	24.44
For Work In Restricted Working Space, Add	14.67	
23 05 29 00-0019 EA 14" Steel Clevis Hanger (Cooper B-Line B3100) .....	136.90	27.38
For Work In Restricted Working Space, Add	16.82	
23 05 29 00-0020 EA 16" Steel Clevis Hanger (Cooper B-Line B3100) .....	174.92	32.59
For Work In Restricted Working Space, Add	19.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0021 EA 18" Steel Clevis Hanger (Cooper B-Line B3100) .....	217.79	40.74
<i>For Work In Restricted Working Space, Add</i>	24.45	
23 05 29 00-0022 EA 20" Steel Clevis Hanger (Cooper B-Line B3100) .....	384.18	48.90
<i>For Work In Restricted Working Space, Add</i>	29.33	
23 05 29 00-0023 EA 24" Steel Clevis Hanger (Cooper B-Line B3100) .....	619.98	57.04
<i>For Work In Restricted Working Space, Add</i>	34.22	
<b>23 05 29 00-0024 Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) (23 05 29 00-0002)</b>		
23 05 29 00-0025 EA 1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) .....	20.24	5.87
<i>For Work In Restricted Working Space, Add</i>	3.52	
23 05 29 00-0026 EA 3/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) .....	21.54	6.51
<i>For Work In Restricted Working Space, Add</i>	3.91	
23 05 29 00-0027 EA 1" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) .....	22.45	6.51
<i>For Work In Restricted Working Space, Add</i>	4.12	
23 05 29 00-0028 EA 1-1/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) .....	23.32	7.05
<i>For Work In Restricted Working Space, Add</i>	4.23	
23 05 29 00-0029 EA 1-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) .....	24.11	7.05
<i>For Work In Restricted Working Space, Add</i>	4.23	
23 05 29 00-0030 EA 2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) .....	24.71	7.17
<i>For Work In Restricted Working Space, Add</i>	4.35	
23 05 29 00-0031 EA 2-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) .....	28.84	7.43
<i>For Work In Restricted Working Space, Add</i>	4.47	
23 05 29 00-0032 EA 3" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) .....	30.56	7.82
<i>For Work In Restricted Working Space, Add</i>	4.60	
23 05 29 00-0033 EA 3-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) .....	34.09	9.13
<i>For Work In Restricted Working Space, Add</i>	5.21	
23 05 29 00-0034 EA 4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) .....	39.30	9.13
<i>For Work In Restricted Working Space, Add</i>	5.21	
23 05 29 00-0035 EA 5" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) .....	70.68	10.92
<i>For Work In Restricted Working Space, Add</i>	6.55	
23 05 29 00-0036 EA 6" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) .....	88.51	13.04
<i>For Work In Restricted Working Space, Add</i>	7.82	
23 05 29 00-0037 EA 8" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) .....	103.96	16.30
<i>For Work In Restricted Working Space, Add</i>	9.78	
<b>23 05 29 00-0038 Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) (23 05 29 00-0002)</b>		
23 05 29 00-0039 EA 1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) .....	13.84	5.87
<i>For Work In Restricted Working Space, Add</i>	3.52	
23 05 29 00-0040 EA 3/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) .....	15.19	6.51
<i>For Work In Restricted Working Space, Add</i>	3.91	
23 05 29 00-0041 EA 1" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) .....	16.09	6.51
<i>For Work In Restricted Working Space, Add</i>	4.12	
23 05 29 00-0042 EA 1-1/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) .....	16.52	7.05
<i>For Work In Restricted Working Space, Add</i>	4.23	
23 05 29 00-0043 EA 1-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) .....	16.70	7.05
<i>For Work In Restricted Working Space, Add</i>	4.23	
23 05 29 00-0044 EA 2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) .....	17.21	7.17
<i>For Work In Restricted Working Space, Add</i>	4.35	
23 05 29 00-0045 EA 2-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) .....	19.59	7.43
<i>For Work In Restricted Working Space, Add</i>	4.47	
23 05 29 00-0046 EA 3" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) .....	20.69	7.82
<i>For Work In Restricted Working Space, Add</i>	4.60	
23 05 29 00-0047 EA 3-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) .....	23.21	9.13
<i>For Work In Restricted Working Space, Add</i>	5.21	
23 05 29 00-0048 EA 4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) .....	24.44	9.13
<i>For Work In Restricted Working Space, Add</i>	5.21	
<b>23 05 29 00-0049 Extended Steel Clevis Hanger (Cooper B-Line B3108) (23 05 29 00-0002)</b>		
23 05 29 00-0050 EA 3/4" Steel Extended Clevis Hanger (Cooper B-Line B3108) .....	22.91	6.51
<i>For Work In Restricted Working Space, Add</i>	3.91	
23 05 29 00-0051 EA 1" Steel Extended Clevis Hanger (Cooper B-Line B3108) .....	23.67	6.51
<i>For Work In Restricted Working Space, Add</i>	4.12	
23 05 29 00-0052 EA 1-1/4" Steel Extended Clevis Hanger (Cooper B-Line B3108) .....	24.06	7.05
<i>For Work In Restricted Working Space, Add</i>	4.23	
23 05 29 00-0053 EA 1-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108) .....	25.29	7.05
<i>For Work In Restricted Working Space, Add</i>	4.23	
23 05 29 00-0054 EA 2" Steel Extended Clevis Hanger (Cooper B-Line B3108) .....	27.73	7.17
<i>For Work In Restricted Working Space, Add</i>	4.35	
23 05 29 00-0055 EA 2-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108) .....	30.29	7.43
<i>For Work In Restricted Working Space, Add</i>	4.47	
23 05 29 00-0056 EA 3" Steel Extended Clevis Hanger (Cooper B-Line B3108) .....	32.09	7.82
<i>For Work In Restricted Working Space, Add</i>	4.60	
23 05 29 00-0057 EA 4" Steel Extended Clevis Hanger (Cooper B-Line B3108) .....	39.47	9.13
<i>For Work In Restricted Working Space, Add</i>	5.21	
23 05 29 00-0058 EA 5" Steel Extended Clevis Hanger (Cooper B-Line B3108) .....	49.90	10.92
<i>For Work In Restricted Working Space, Add</i>	6.55	
23 05 29 00-0059 EA 6" Steel Extended Clevis Hanger (Cooper B-Line B3108) .....	62.38	13.04
<i>For Work In Restricted Working Space, Add</i>	7.82	
23 05 29 00-0060 EA 8" Steel Extended Clevis Hanger (Cooper B-Line B3108) .....	92.39	16.30
<i>For Work In Restricted Working Space, Add</i>	9.78	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0061	EA		10" Steel Extended Clevis Hanger (Cooper B-Line B3108) ..... <i>For Work In Restricted Working Space, Add</i>	131.89 13.04	22.16
23 05 29 00-0062	EA		12" Steel Extended Clevis Hanger (Cooper B-Line B3108) ..... <i>For Work In Restricted Working Space, Add</i>	148.06 14.67	24.44
<b>23 05 29 00-0063</b>			<b>Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) <small>(23 05 29 00-0002)</small></b>		
23 05 29 00-0064	EA		2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) ..... <i>For Work In Restricted Working Space, Add</i>	29.18 4.35	7.17
23 05 29 00-0065	EA		2-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) ..... <i>For Work In Restricted Working Space, Add</i>	31.65 4.47	7.43
23 05 29 00-0066	EA		3" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) ..... <i>For Work In Restricted Working Space, Add</i>	33.62 4.60	7.82
23 05 29 00-0067	EA		3-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) ..... <i>For Work In Restricted Working Space, Add</i>	36.84 5.21	9.13
23 05 29 00-0068	EA		4" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) ..... <i>For Work In Restricted Working Space, Add</i>	39.91 5.21	9.13
23 05 29 00-0069	EA		5" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) ..... <i>For Work In Restricted Working Space, Add</i>	49.33 6.55	10.92
23 05 29 00-0070	EA		6" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) ..... <i>For Work In Restricted Working Space, Add</i>	57.03 7.82	13.04
23 05 29 00-0071	EA		8" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) ..... <i>For Work In Restricted Working Space, Add</i>	77.57 9.78	16.30
<b>23 05 29 00-0072</b>			<b>Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT) <small>(23 05 29 00-0002)</small></b>		
23 05 29 00-0073	EA		1/2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT) ..... <i>For Work In Restricted Working Space, Add</i>	15.55 3.62	6.03
23 05 29 00-0074	EA		3/4" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT) ..... <i>For Work In Restricted Working Space, Add</i>	16.53 3.91	6.51
23 05 29 00-0075	EA		1" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT) ..... <i>For Work In Restricted Working Space, Add</i>	17.21 4.12	6.51
23 05 29 00-0076	EA		1-1/4" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT) ..... <i>For Work In Restricted Working Space, Add</i>	17.85 4.19	6.74
23 05 29 00-0077	EA		1-1/2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT) ..... <i>For Work In Restricted Working Space, Add</i>	18.24 4.27	6.95
23 05 29 00-0078	EA		2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT) ..... <i>For Work In Restricted Working Space, Add</i>	19.09 4.35	7.17
23 05 29 00-0079	EA		2-1/2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT) ..... <i>For Work In Restricted Working Space, Add</i>	21.41 4.44	7.49
23 05 29 00-0080	EA		3" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT) ..... <i>For Work In Restricted Working Space, Add</i>	24.71 4.60	7.82
23 05 29 00-0081	EA		3-1/2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT) ..... <i>For Work In Restricted Working Space, Add</i>	26.86 4.89	8.47
23 05 29 00-0082	EA		4" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT) ..... <i>For Work In Restricted Working Space, Add</i>	28.32 5.21	9.13
23 05 29 00-0083	EA		5" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT) ..... <i>For Work In Restricted Working Space, Add</i>	35.34 6.27	11.08
23 05 29 00-0084	EA		6" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT) ..... <i>For Work In Restricted Working Space, Add</i>	46.76 7.82	13.04
<b>23 05 29 00-0085</b>			<b>Fiberglass Clevis Hanger <small>(23 05 29 00-0002)</small></b>		
23 05 29 00-0086	EA		1-1/2" Fiberglass Clevis Hanger (Cooper BFV3104) ..... <i>For Work In Restricted Working Space, Add</i>	131.37 3.09	6.95
23 05 29 00-0087	EA		2" Fiberglass Clevis Hanger (Cooper BFV3104) ..... <i>For Work In Restricted Working Space, Add</i>	134.38 3.43	7.24
23 05 29 00-0088	EA		2-1/2" Fiberglass Clevis Hanger (Cooper BFV3104) ..... <i>For Work In Restricted Working Space, Add</i>	134.88 3.81	7.49
23 05 29 00-0089	EA		3" Fiberglass Clevis Hanger (Cooper BFV3104) ..... <i>For Work In Restricted Working Space, Add</i>	154.39 4.23	7.69
23 05 29 00-0090	EA		4" Fiberglass Clevis Hanger (Cooper BFV3104) ..... <i>For Work In Restricted Working Space, Add</i>	194.55 4.44	8.67
23 05 29 00-0091	EA		6" Fiberglass Clevis Hanger (Cooper BFV3104) ..... <i>For Work In Restricted Working Space, Add</i>	255.79 4.66	13.04
23 05 29 00-0092	EA		8" Fiberglass Clevis Hanger (Cooper BFP3104) ..... <i>For Work In Restricted Working Space, Add</i>	358.30 4.87	16.30
23 05 29 00-0093	EA		10" Fiberglass Clevis Hanger (Cooper BFP3104) ..... <i>For Work In Restricted Working Space, Add</i>	419.73 5.21	21.71
23 05 29 00-0094	EA		12" Fiberglass Clevis Hanger (Cooper BFP3104) ..... <i>For Work In Restricted Working Space, Add</i>	536.77 5.65	24.44
<b>23 05 29 00-0095</b>			<b>Adjustable Hangers <small>(23 05 29 00-0001)</small></b>		
<b>23 05 29 00-0096</b>			<b>Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) <small>(23 05 29 00-0095)</small></b> Note: Type 5.		
23 05 29 00-0097	EA		1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) ..... <i>For Work In Restricted Working Space, Add</i>	13.28 3.09	5.15
23 05 29 00-0098	EA		3/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) ..... <i>For Work In Restricted Working Space, Add</i>	14.41 3.43	5.72
23 05 29 00-0099	EA		1" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) ..... <i>For Work In Restricted Working Space, Add</i>	15.65 3.81	6.35
23 05 29 00-0100	EA		1-1/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) ..... <i>For Work In Restricted Working Space, Add</i>	17.18 4.23	7.05
23 05 29 00-0101	EA		1-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) ..... <i>For Work In Restricted Working Space, Add</i>	18.05 4.44	7.41
23 05 29 00-0102	EA		2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) ..... <i>For Work In Restricted Working Space, Add</i>	19.69 4.66	7.76
23 05 29 00-0103	EA		2-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) ..... <i>For Work In Restricted Working Space, Add</i>	24.21 4.87	8.11



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0104 EA 3" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	25.31 5.08	8.46
23 05 29 00-0105 EA 4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	31.24 5.72	9.53
<b>23 05 29 00-0106 Adjustable Swivel Steel Ring (Cooper B-Line B3170) (23 05 29 00-0095)</b>		
Note: Type 10.		
23 05 29 00-0107 EA 1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	14.40 3.91 8.98 11.56	6.51
23 05 29 00-0108 EA 3/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	15.21 4.12 9.83 12.67	6.51
23 05 29 00-0109 EA 1" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	15.98 4.35 9.83 12.67	7.17
23 05 29 00-0110 EA 1-1/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	17.01 4.60 11.02 14.20	7.82
23 05 29 00-0111 EA 1-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	19.05 5.21 11.02 14.20	9.13
23 05 29 00-0112 EA 2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	20.37 5.59 11.55 14.88	9.13
23 05 29 00-0113 EA 2-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	22.91 6.02 18.81 24.23	9.78
23 05 29 00-0114 EA 3" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	24.71 6.52 19.67 25.33	11.08
23 05 29 00-0115 EA 3-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	27.79 7.14 26.33 33.92	11.90
23 05 29 00-0116 EA 4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	30.07 7.82 26.33 33.92	13.04
23 05 29 00-0117 EA 5" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	37.62 8.80 54.71 70.47	14.67
23 05 29 00-0118 EA 6" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	41.01 9.78 55.57 71.57	16.30
23 05 29 00-0119 EA 8" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	49.11 11.73 66.00 85.00	19.55
<b>23 05 29 00-0120 Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) (23 05 29 00-0095)</b>		
23 05 29 00-0121 EA 1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	15.04 3.91 13.20 17.00	6.51
23 05 29 00-0122 EA 3/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	15.72 4.12 13.20 17.00	6.51
23 05 29 00-0123 EA 1" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	16.49 4.35 13.20 17.00	7.17
23 05 29 00-0124 EA 1-1/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	17.34 4.60 13.20 17.00	7.82
23 05 29 00-0125 EA 1-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	19.55 5.21 14.32 18.45	9.13

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0126 EA 2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	20.79	9.13
For Work In Restricted Working Space, Add	5.59	
For 304 Stainless Steel, Add	14.32	
For 316 Stainless Steel, Add	18.45	
23 05 29 00-0127 EA 2-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	25.76	9.78
For Work In Restricted Working Space, Add	6.02	
For 304 Stainless Steel, Add	37.62	
For 316 Stainless Steel, Add	48.45	
23 05 29 00-0128 EA 3" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	28.80	11.08
For Work In Restricted Working Space, Add	6.52	
For 304 Stainless Steel, Add	46.66	
For 316 Stainless Steel, Add	60.10	
23 05 29 00-0129 EA 3-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	31.42	11.90
For Work In Restricted Working Space, Add	7.14	
For 304 Stainless Steel, Add	50.29	
For 316 Stainless Steel, Add	64.77	
23 05 29 00-0130 EA 4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	35.36	13.04
For Work In Restricted Working Space, Add	7.82	
For 304 Stainless Steel, Add	61.25	
For 316 Stainless Steel, Add	78.88	
23 05 29 00-0131 EA 5" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	38.74	14.67
For Work In Restricted Working Space, Add	8.80	
For 304 Stainless Steel, Add	62.11	
For 316 Stainless Steel, Add	79.99	
23 05 29 00-0132 EA 6" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT).....	46.21	16.30
For Work In Restricted Working Space, Add	9.78	
For 304 Stainless Steel, Add	89.89	
For 316 Stainless Steel, Add	115.77	
<b>23 05 29 00-0133 Roller Hangers</b> (23 05 29 00-0001)		
<b>23 05 29 00-0134 Single Pipe Roll (Cooper B-Line B3114)</b> (23 05 29 00-0133)		
Note: Excludes rod and nuts. Type 41.		
23 05 29 00-0135 EA 2" Single Pipe Roll (Cooper B-Line B3114).....	30.05	5.36
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	3.21	
23 05 29 00-0136 EA 2-1/2" Single Pipe Roll (Cooper B-Line B3114).....	32.83	6.02
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	3.62	
23 05 29 00-0137 EA 3" Single Pipe Roll (Cooper B-Line B3114).....	35.98	7.03
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	4.22	
23 05 29 00-0138 EA 3-1/2" Single Pipe Roll (Cooper B-Line B3114).....	41.50	8.03
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	4.82	
23 05 29 00-0139 EA 4" Single Pipe Roll (Cooper B-Line B3114).....	60.91	9.04
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	5.42	
23 05 29 00-0140 EA 5" Single Pipe Roll (Cooper B-Line B3114).....	50.94	10.05
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	6.02	
23 05 29 00-0141 EA 6" Single Pipe Roll (Cooper B-Line B3114).....	64.17	12.05
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	7.23	
23 05 29 00-0142 EA 8" Single Pipe Roll (Cooper B-Line B3114).....	90.27	14.06
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	8.43	
23 05 29 00-0143 EA 10" Single Pipe Roll (Cooper B-Line B3114).....	106.90	16.74
Note: Excludes rod and nuts.		
For Work In Restricted Working Space, Add	10.04	
<b>23 05 29 00-0144 Adjustable Clevis Roller Hanger (Cooper B-Line B3110)</b> (23 05 29 00-0133)		
Note: Type 43.		
23 05 29 00-0145 EA 2" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	42.86	9.46
For Work In Restricted Working Space, Add	5.45	
For 304 Stainless Steel, Add	162.89	
For 316 Stainless Steel, Add	209.78	
23 05 29 00-0146 EA 2-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	44.17	9.75
For Work In Restricted Working Space, Add	5.85	
For 304 Stainless Steel, Add	162.89	
For 316 Stainless Steel, Add	209.78	
23 05 29 00-0147 EA 3" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	48.31	10.18
For Work In Restricted Working Space, Add	6.23	
For 304 Stainless Steel, Add	181.70	
For 316 Stainless Steel, Add	234.01	
23 05 29 00-0148 EA 3-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	58.46	10.91
For Work In Restricted Working Space, Add	6.54	
For 304 Stainless Steel, Add	241.89	
For 316 Stainless Steel, Add	311.53	
23 05 29 00-0149 EA 4" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	60.88	12.36
For Work In Restricted Working Space, Add	7.27	
For 304 Stainless Steel, Add	241.89	
For 316 Stainless Steel, Add	311.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0150 EA 5" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	69.40	13.31
For Work In Restricted Working Space, Add	7.98	
For 304 Stainless Steel, Add	282.41	
For 316 Stainless Steel, Add	363.72	
23 05 29 00-0151 EA 6" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	82.21	14.55
For Work In Restricted Working Space, Add	8.72	
For 304 Stainless Steel, Add	350.66	
For 316 Stainless Steel, Add	451.61	
23 05 29 00-0152 EA 8" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	115.87	18.18
For Work In Restricted Working Space, Add	10.91	
For 304 Stainless Steel, Add	524.83	
For 316 Stainless Steel, Add	675.92	
23 05 29 00-0153 EA 10" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	143.22	24.72
For Work In Restricted Working Space, Add	14.54	
For 304 Stainless Steel, Add	625.28	
For 316 Stainless Steel, Add	805.29	
23 05 29 00-0154 EA 12" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	193.82	27.27
For Work In Restricted Working Space, Add	16.36	
For 304 Stainless Steel, Add	919.25	
For 316 Stainless Steel, Add	1,183.88	
23 05 29 00-0155 EA 14" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	448.49	31.27
For Work In Restricted Working Space, Add	18.76	
For 304 Stainless Steel, Add	2,547.34	
For 316 Stainless Steel, Add	3,280.66	
23 05 29 00-0156 EA 16" Steel Clevis Roller Hanger (Cooper B-Line B3110).....	568.13	36.35
For Work In Restricted Working Space, Add	21.81	
For 304 Stainless Steel, Add	3,269.77	
For 316 Stainless Steel, Add	4,211.07	
<b>23 05 29 00-0157 Roller Chair (Cooper B-Line B3120) (23 05 29 00-0133)</b>		
23 05 29 00-0158 EA 2" Steel Roller Chair (Cooper B-Line B3120).....	41.24	9.46
For Work In Restricted Working Space, Add	5.45	
23 05 29 00-0159 EA 2-1/2" Steel Roller Chair (Cooper B-Line B3120).....	44.53	9.75
For Work In Restricted Working Space, Add	5.85	
23 05 29 00-0160 EA 3" Steel Roller Chair (Cooper B-Line B3120).....	46.38	10.18
For Work In Restricted Working Space, Add	6.23	
23 05 29 00-0161 EA 3-1/2" Steel Roller Chair (Cooper B-Line B3120).....	54.43	10.91
For Work In Restricted Working Space, Add	6.54	
23 05 29 00-0162 EA 4" Steel Roller Chair (Cooper B-Line B3120).....	60.70	12.36
For Work In Restricted Working Space, Add	7.27	
23 05 29 00-0163 EA 5" Steel Roller Chair (Cooper B-Line B3120).....	66.24	13.31
For Work In Restricted Working Space, Add	7.98	
23 05 29 00-0164 EA 6" Steel Roller Chair (Cooper B-Line B3120).....	84.28	14.55
For Work In Restricted Working Space, Add	8.72	
23 05 29 00-0165 EA 8" Steel Roller Chair (Cooper B-Line B3120).....	110.96	18.18
For Work In Restricted Working Space, Add	10.91	
23 05 29 00-0166 EA 10" Steel Roller Chair (Cooper B-Line B3120).....	142.08	24.72
For Work In Restricted Working Space, Add	14.54	
23 05 29 00-0167 EA 12" Steel Roller Chair (Cooper B-Line B3120).....	190.84	27.27
For Work In Restricted Working Space, Add	16.36	
23 05 29 00-0168 EA 14" Steel Roller Chair (Cooper B-Line B3120).....	205.49	31.27
For Work In Restricted Working Space, Add	18.76	
23 05 29 00-0169 EA 16" Steel Roller Chair (Cooper B-Line B3120).....	250.17	36.35
For Work In Restricted Working Space, Add	21.81	
23 05 29 00-0170 EA 18" Steel Roller Chair (Cooper B-Line B3120).....	343.58	45.44
For Work In Restricted Working Space, Add	27.27	
23 05 29 00-0171 EA 20" Steel Roller Chair (Cooper B-Line B3120).....	428.16	54.54
For Work In Restricted Working Space, Add	32.72	
<b>23 05 29 00-0172 Adjustable Roller Support (Cooper B-Line B3122) (23 05 29 00-0133)</b>		
23 05 29 00-0173 EA 2" Steel Adjustable Roller Support (Cooper B-Line B3122).....	48.83	9.46
For Work In Restricted Working Space, Add	5.45	
23 05 29 00-0174 EA 2-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122).....	55.75	9.75
For Work In Restricted Working Space, Add	5.85	
23 05 29 00-0175 EA 3" Steel Adjustable Roller Support (Cooper B-Line B3122).....	58.35	10.18
For Work In Restricted Working Space, Add	6.23	
23 05 29 00-0176 EA 3-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122).....	61.75	10.91
For Work In Restricted Working Space, Add	6.54	
23 05 29 00-0177 EA 4" Steel Adjustable Roller Support (Cooper B-Line B3122).....	76.05	12.36
For Work In Restricted Working Space, Add	7.27	
23 05 29 00-0178 EA 5" Steel Adjustable Roller Support (Cooper B-Line B3122).....	87.02	13.31
For Work In Restricted Working Space, Add	7.98	
23 05 29 00-0179 EA 6" Steel Adjustable Roller Support (Cooper B-Line B3122).....	103.04	14.55
For Work In Restricted Working Space, Add	8.72	
23 05 29 00-0180 EA 8" Steel Adjustable Roller Support (Cooper B-Line B3122).....	149.59	18.18
For Work In Restricted Working Space, Add	10.91	
23 05 29 00-0181 EA 10" Steel Adjustable Roller Support (Cooper B-Line B3122).....	183.73	24.72
For Work In Restricted Working Space, Add	14.54	
23 05 29 00-0182 EA 12" Steel Adjustable Roller Support (Cooper B-Line B3122).....	213.90	27.27
For Work In Restricted Working Space, Add	16.36	
23 05 29 00-0183 EA 14" Steel Adjustable Roller Support (Cooper B-Line B3122).....	315.88	31.27
For Work In Restricted Working Space, Add	18.76	



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0184	EA		16" Steel Adjustable Roller Support (Cooper B-Line B3122) ..... <i>For Work In Restricted Working Space, Add</i>	380.72 21.81	36.35
23 05 29 00-0185	EA		18" Steel Adjustable Roller Support (Cooper B-Line B3122) ..... <i>For Work In Restricted Working Space, Add</i>	424.81 27.27	45.44
<b>23 05 29 00-0186</b>			<b>Adjustable Double Roller Support (Cooper B-Line B3122A)</b> <small>(23 05 29 00-0133)</small>		
23 05 29 00-0187	EA		2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) ..... <i>For Work In Restricted Working Space, Add</i>	49.26 5.45	9.46
23 05 29 00-0188	EA		2-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) ..... <i>For Work In Restricted Working Space, Add</i>	56.14 5.85	9.75
23 05 29 00-0189	EA		3" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) ..... <i>For Work In Restricted Working Space, Add</i>	59.01 6.23	10.18
23 05 29 00-0190	EA		3-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) ..... <i>For Work In Restricted Working Space, Add</i>	61.18 6.54	10.91
23 05 29 00-0191	EA		4" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) ..... <i>For Work In Restricted Working Space, Add</i>	80.48 7.27	12.36
23 05 29 00-0192	EA		5" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) ..... <i>For Work In Restricted Working Space, Add</i>	92.24 7.98	13.31
23 05 29 00-0193	EA		6" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) ..... <i>For Work In Restricted Working Space, Add</i>	109.26 8.72	14.55
23 05 29 00-0194	EA		8" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) ..... <i>For Work In Restricted Working Space, Add</i>	159.23 10.91	18.18
23 05 29 00-0195	EA		10" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) ..... <i>For Work In Restricted Working Space, Add</i>	195.30 14.54	24.72
23 05 29 00-0196	EA		12" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) ..... <i>For Work In Restricted Working Space, Add</i>	227.44 16.36	27.27
23 05 29 00-0197	EA		14" Steel Adjustable Double Roller Support (Cooper B-Line B3122A) ..... <i>For Work In Restricted Working Space, Add</i>	337.53 18.76	31.27
<b>23 05 29 00-0198</b>			<b>Pipe And Riser Clamps</b> <small>(23 05 29 00-0001)</small> Note: Includes bolts and weldless eye nuts.		
<b>23 05 29 00-0199</b>			<b>Steel Pipe Clamp (Cooper B-Line B3140)</b> <small>(23 05 29 00-0198)</small> Note: Type 4.		
23 05 29 00-0200	EA		1/2" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	14.21 2.54	4.23
23 05 29 00-0201	EA		3/4" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	14.36 2.58	4.30
23 05 29 00-0202	EA		1" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	14.54 2.63	4.37
23 05 29 00-0203	EA		1-1/4" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	16.43 2.67	4.44
23 05 29 00-0204	EA		1-1/2" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	16.57 2.71	4.51
23 05 29 00-0205	EA		2" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	18.04 2.75	4.58
23 05 29 00-0206	EA		2-1/2" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	18.84 2.84	4.72
23 05 29 00-0207	EA		3" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	20.22 2.92	4.86
23 05 29 00-0208	EA		3-1/2" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	24.70 2.96	4.93
23 05 29 00-0209	EA		4" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	27.52 3.81	6.35
23 05 29 00-0210	EA		5" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	40.60 5.08	8.46
23 05 29 00-0211	EA		6" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	57.46 6.35	10.58
23 05 29 00-0212	EA		8" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	67.83 7.41	12.35
23 05 29 00-0213	EA		10" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	105.99 8.47	14.11
23 05 29 00-0214	EA		12" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	151.33 9.31	15.53
23 05 29 00-0215	EA		14" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	259.64 10.16	16.93
23 05 29 00-0216	EA		16" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	281.44 11.01	18.34
23 05 29 00-0217	EA		18" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	475.54 11.86	19.76
23 05 29 00-0218	EA		20" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	552.96 12.70	21.16
23 05 29 00-0219	EA		24" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	728.53 13.97	23.28
<b>23 05 29 00-0220</b>			<b>Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)</b> <small>(23 05 29 00-0198)</small>		
23 05 29 00-0221	EA		3" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) ..... <i>For Work In Restricted Working Space, Add</i>	36.64 2.72	4.57
23 05 29 00-0222	EA		4" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) ..... <i>For Work In Restricted Working Space, Add</i>	50.79 2.72	4.57



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0223 EA 5" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	56.23	4.72
<i>For Work In Restricted Working Space, Add</i>	2.84	
23 05 29 00-0224 EA 6" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	94.71	4.89
<i>For Work In Restricted Working Space, Add</i>	2.95	
23 05 29 00-0225 EA 8" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	103.32	5.21
<i>For Work In Restricted Working Space, Add</i>	3.13	
23 05 29 00-0226 EA 10" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	183.91	5.21
<i>For Work In Restricted Working Space, Add</i>	3.12	
23 05 29 00-0227 EA 12" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	302.42	5.87
<i>For Work In Restricted Working Space, Add</i>	3.52	
23 05 29 00-0228 EA 14" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	385.41	6.51
<i>For Work In Restricted Working Space, Add</i>	3.91	
23 05 29 00-0229 EA 16" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	417.70	7.82
<i>For Work In Restricted Working Space, Add</i>	4.70	
23 05 29 00-0230 EA 18" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	1,327.32	9.13
<i>For Work In Restricted Working Space, Add</i>	5.48	
23 05 29 00-0231 EA 20" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	1,527.03	9.78
<i>For Work In Restricted Working Space, Add</i>	5.87	
23 05 29 00-0232 EA 24" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142).....	1,959.89	10.43
<i>For Work In Restricted Working Space, Add</i>	6.26	
<b>23 05 29 00-0233 Steel Riser Clamp (Cooper B-Line B3373) (23 05 29 00-0198)</b>		
Note: Type 8.		
23 05 29 00-0234 EA 1/2" Steel Riser Clamp (Cooper B-Line B3373).....	15.01	3.91
<i>For Work In Restricted Working Space, Add</i>	2.35	
23 05 29 00-0235 EA 3/4" Steel Riser Clamp (Cooper B-Line B3373).....	15.81	3.97
<i>For Work In Restricted Working Space, Add</i>	2.39	
23 05 29 00-0236 EA 1" Steel Riser Clamp (Cooper B-Line B3373).....	16.03	4.04
<i>For Work In Restricted Working Space, Add</i>	2.43	
23 05 29 00-0237 EA 1-1/4" Steel Riser Clamp (Cooper B-Line B3373).....	17.82	4.10
<i>For Work In Restricted Working Space, Add</i>	2.47	
23 05 29 00-0238 EA 1-1/2" Steel Riser Clamp (Cooper B-Line B3373).....	18.69	4.17
<i>For Work In Restricted Working Space, Add</i>	2.50	
23 05 29 00-0239 EA 2" Steel Riser Clamp (Cooper B-Line B3373).....	19.21	4.24
<i>For Work In Restricted Working Space, Add</i>	2.54	
23 05 29 00-0240 EA 2-1/2" Steel Riser Clamp (Cooper B-Line B3373).....	20.13	4.37
<i>For Work In Restricted Working Space, Add</i>	2.62	
23 05 29 00-0241 EA 3" Steel Riser Clamp (Cooper B-Line B3373).....	21.58	4.50
<i>For Work In Restricted Working Space, Add</i>	2.70	
23 05 29 00-0242 EA 3-1/2" Steel Riser Clamp (Cooper B-Line B3373).....	24.43	4.57
<i>For Work In Restricted Working Space, Add</i>	2.74	
23 05 29 00-0243 EA 4" Steel Riser Clamp (Cooper B-Line B3373).....	29.07	5.87
<i>For Work In Restricted Working Space, Add</i>	3.52	
23 05 29 00-0244 EA 5" Steel Riser Clamp (Cooper B-Line B3373).....	37.13	7.82
<i>For Work In Restricted Working Space, Add</i>	4.70	
23 05 29 00-0245 EA 6" Steel Riser Clamp (Cooper B-Line B3373).....	47.34	9.78
<i>For Work In Restricted Working Space, Add</i>	5.87	
23 05 29 00-0246 EA 8" Steel Riser Clamp (Cooper B-Line B3373).....	68.32	11.40
<i>For Work In Restricted Working Space, Add</i>	6.85	
23 05 29 00-0247 EA 10" Steel Riser Clamp (Cooper B-Line B3373).....	93.42	13.04
<i>For Work In Restricted Working Space, Add</i>	7.82	
23 05 29 00-0248 EA 12" Steel Riser Clamp (Cooper B-Line B3373).....	115.66	14.34
<i>For Work In Restricted Working Space, Add</i>	8.60	
23 05 29 00-0249 EA 14" Steel Riser Clamp (Cooper B-Line B3373).....	162.15	15.65
<i>For Work In Restricted Working Space, Add</i>	9.39	
23 05 29 00-0250 EA 16" Steel Riser Clamp (Cooper B-Line B3373).....	332.62	16.95
<i>For Work In Restricted Working Space, Add</i>	10.17	
<b>23 05 29 00-0251 Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) (23 05 29 00-0198)</b>		
23 05 29 00-0252 EA 1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	32.11	3.91
<i>For Work In Restricted Working Space, Add</i>	2.35	
23 05 29 00-0253 EA 3/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	32.60	3.97
<i>For Work In Restricted Working Space, Add</i>	2.39	
23 05 29 00-0254 EA 1" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	34.13	4.04
<i>For Work In Restricted Working Space, Add</i>	2.43	
23 05 29 00-0255 EA 1-1/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	36.89	4.10
<i>For Work In Restricted Working Space, Add</i>	2.47	
23 05 29 00-0256 EA 1-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	42.53	4.17
<i>For Work In Restricted Working Space, Add</i>	2.50	
23 05 29 00-0257 EA 2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	45.56	4.24
<i>For Work In Restricted Working Space, Add</i>	2.54	
23 05 29 00-0258 EA 2-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	49.72	4.37
<i>For Work In Restricted Working Space, Add</i>	2.62	
23 05 29 00-0259 EA 3" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	55.20	4.50
<i>For Work In Restricted Working Space, Add</i>	2.70	
23 05 29 00-0260 EA 4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C).....	75.18	5.87
<i>For Work In Restricted Working Space, Add</i>	3.52	
<b>23 05 29 00-0261 Copper Tubing Riser Clamp (Cooper B-Line B3373CT) (23 05 29 00-0198)</b>		
23 05 29 00-0262 EA 1/2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	18.42	3.91
23 05 29 00-0263 EA 3/4" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	18.56	3.97

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0264 EA 1" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	18.69	4.04
23 05 29 00-0265 EA 1-1/4" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	19.16	4.10
23 05 29 00-0266 EA 1-1/2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	21.71	4.17
23 05 29 00-0267 EA 2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	22.56	4.24
23 05 29 00-0268 EA 2-1/2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	25.33	4.37
23 05 29 00-0269 EA 3" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	28.19	4.50
23 05 29 00-0270 EA 3-1/2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	34.63	4.57
23 05 29 00-0271 EA 4" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	37.50	5.87
23 05 29 00-0272 EA 5" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	49.86	7.82
23 05 29 00-0273 EA 6" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	63.61	9.78
<b>23 05 29 00-0274 Two Bolt Steel Underground Clamp (Cooper B-Line B3132) (23 05 29 00-0198)</b>		
Note: Type 42		
23 05 29 00-0275 EA 4" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	80.35	4.57
For Work In Restricted Working Space, Add	2.72	
23 05 29 00-0276 EA 6" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	85.07	4.89
For Work In Restricted Working Space, Add	2.95	
23 05 29 00-0277 EA 8" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	93.77	5.21
For Work In Restricted Working Space, Add	3.13	
23 05 29 00-0278 EA 10" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	100.80	5.21
For Work In Restricted Working Space, Add	3.12	
23 05 29 00-0279 EA 12" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	122.75	5.87
For Work In Restricted Working Space, Add	3.52	
23 05 29 00-0280 EA 14" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	403.37	6.51
For Work In Restricted Working Space, Add	3.91	
23 05 29 00-0281 EA 16" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	542.11	7.82
For Work In Restricted Working Space, Add	4.70	
23 05 29 00-0282 EA 18" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	646.33	9.13
For Work In Restricted Working Space, Add	5.48	
23 05 29 00-0283 EA 20" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	948.20	9.78
For Work In Restricted Working Space, Add	5.87	
23 05 29 00-0284 EA 24" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	1,312.66	10.43
For Work In Restricted Working Space, Add	6.26	
<b>23 05 29 00-0285 Four Bolt Steel Underground Clamp (Cooper B-Line B3134) (23 05 29 00-0198)</b>		
23 05 29 00-0286 EA 4" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	73.50	4.57
For Work In Restricted Working Space, Add	2.72	
23 05 29 00-0287 EA 6" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	79.19	4.89
For Work In Restricted Working Space, Add	2.95	
23 05 29 00-0288 EA 8" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	144.83	5.21
For Work In Restricted Working Space, Add	3.13	
23 05 29 00-0289 EA 10" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	162.17	5.21
For Work In Restricted Working Space, Add	3.12	
23 05 29 00-0290 EA 12" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	235.91	5.87
For Work In Restricted Working Space, Add	3.52	
23 05 29 00-0291 EA 14" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	366.43	6.51
For Work In Restricted Working Space, Add	3.91	
23 05 29 00-0292 EA 16" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	493.27	7.82
For Work In Restricted Working Space, Add	4.70	
23 05 29 00-0293 EA 18" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	587.45	9.13
For Work In Restricted Working Space, Add	5.48	
23 05 29 00-0294 EA 20" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	865.51	9.78
For Work In Restricted Working Space, Add	5.87	
23 05 29 00-0295 EA 24" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	1,190.26	10.43
For Work In Restricted Working Space, Add	6.26	
<b>23 05 29 00-0296 Split Pipe Clamps And Rings (23 05 29 00-0001)</b>		
<b>23 05 29 00-0297 Adjustable Split Ring Swivel Hanger (Cooper B-Line B3171) (23 05 29 00-0296)</b>		
Note: Type 6.		
23 05 29 00-0298 EA 3/4" Adjustable Swivel Ring (Cooper B-Line B3171).....	25.81	6.00
For Work In Restricted Working Space, Add	3.60	
23 05 29 00-0299 EA 1" Adjustable Swivel Ring (Cooper B-Line B3171).....	27.34	6.35
For Work In Restricted Working Space, Add	3.81	
23 05 29 00-0300 EA 1-1/4" Adjustable Swivel Ring (Cooper B-Line B3171).....	29.45	7.05
For Work In Restricted Working Space, Add	4.23	
23 05 29 00-0301 EA 1-1/2" Adjustable Swivel Ring (Cooper B-Line B3171).....	32.08	7.41
For Work In Restricted Working Space, Add	4.44	
23 05 29 00-0302 EA 2" Adjustable Swivel Ring (Cooper B-Line B3171).....	35.12	7.76
For Work In Restricted Working Space, Add	4.66	
23 05 29 00-0303 EA 2-1/2" Adjustable Swivel Ring (Cooper B-Line B3171).....	46.09	8.11
For Work In Restricted Working Space, Add	4.87	
23 05 29 00-0304 EA 3" Adjustable Swivel Ring (Cooper B-Line B3171).....	51.39	8.46
For Work In Restricted Working Space, Add	5.08	
23 05 29 00-0305 EA 4" Adjustable Swivel Ring (Cooper B-Line B3171).....	71.62	9.53
For Work In Restricted Working Space, Add	5.72	
23 05 29 00-0306 EA 5" Adjustable Swivel Ring (Cooper B-Line B3171).....	91.29	12.00
For Work In Restricted Working Space, Add	7.20	
23 05 29 00-0307 EA 6" Adjustable Swivel Ring (Cooper B-Line B3171).....	125.63	14.11
For Work In Restricted Working Space, Add	8.47	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0308				<b>Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)</b> <small>(23 05 29 00-0296)</small>		
				Note: Type 11.		
23 05 29 00-0309	EA			1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	14.59	4.96
				<i>For Work In Restricted Working Space, Add</i>	3.04	
23 05 29 00-0310	EA			3/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	15.48	4.96
				<i>For Work In Restricted Working Space, Add</i>	3.17	
23 05 29 00-0311	EA			1" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	16.89	6.37
				<i>For Work In Restricted Working Space, Add</i>	3.54	
23 05 29 00-0312	EA			1-1/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) .....	18.74	6.37
				<i>For Work In Restricted Working Space, Add</i>	3.73	
23 05 29 00-0313	EA			1-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) .....	21.86	6.37
				<i>For Work In Restricted Working Space, Add</i>	3.86	
23 05 29 00-0314	EA			2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	26.39	7.08
				<i>For Work In Restricted Working Space, Add</i>	4.25	
23 05 29 00-0315	EA			2-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) .....	39.17	7.08
				<i>For Work In Restricted Working Space, Add</i>	4.43	
23 05 29 00-0316	EA			3" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	44.50	7.79
				<i>For Work In Restricted Working Space, Add</i>	4.62	
23 05 29 00-0317	EA			4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	46.93	8.50
				<i>For Work In Restricted Working Space, Add</i>	5.06	
23 05 29 00-0318				<b>Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)</b> <small>(23 05 29 00-0296)</small>		
				Note: Type 12.		
23 05 29 00-0319	EA			1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	14.59	4.96
				<i>For Work In Restricted Working Space, Add</i>	3.04	
23 05 29 00-0320	EA			3/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	15.48	5.31
				<i>For Work In Restricted Working Space, Add</i>	3.17	
23 05 29 00-0321	EA			1" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	16.89	6.02
				<i>For Work In Restricted Working Space, Add</i>	3.54	
23 05 29 00-0322	EA			1-1/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) .....	18.74	6.37
				<i>For Work In Restricted Working Space, Add</i>	3.73	
23 05 29 00-0323	EA			1-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) .....	21.86	6.37
				<i>For Work In Restricted Working Space, Add</i>	3.86	
23 05 29 00-0324	EA			2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	26.39	7.08
				<i>For Work In Restricted Working Space, Add</i>	4.25	
23 05 29 00-0325	EA			2-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) .....	39.17	7.44
				<i>For Work In Restricted Working Space, Add</i>	4.43	
23 05 29 00-0326	EA			3" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H).....	44.50	7.79
				<i>For Work In Restricted Working Space, Add</i>	4.62	
23 05 29 00-0327				<b>Pipe Straps</b> <small>(23 05 29 00-0001)</small>		
23 05 29 00-0328				<b>Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B-3180)</b> <small>(23 05 29 00-0327)</small>		
23 05 29 00-0329	EA			1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) .....	9.73	3.54
				<i>For Work In Restricted Working Space, Add</i>	2.12	
23 05 29 00-0330	EA			3/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) .....	10.11	4.25
				<i>For Work In Restricted Working Space, Add</i>	2.24	
23 05 29 00-0331	EA			1" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) .....	10.52	4.25
				<i>For Work In Restricted Working Space, Add</i>	2.36	
23 05 29 00-0332	EA			1-1/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) .....	11.10	4.25
				<i>For Work In Restricted Working Space, Add</i>	2.50	
23 05 29 00-0333	EA			1-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) .....	11.70	4.96
				<i>For Work In Restricted Working Space, Add</i>	2.66	
23 05 29 00-0334	EA			2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) .....	14.14	4.96
				<i>For Work In Restricted Working Space, Add</i>	2.83	
23 05 29 00-0335	EA			2-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) .....	18.62	4.96
				<i>For Work In Restricted Working Space, Add</i>	3.04	
23 05 29 00-0336	EA			3" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) .....	25.77	4.96
				<i>For Work In Restricted Working Space, Add</i>	3.27	
23 05 29 00-0337	EA			4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) .....	30.67	6.37
				<i>For Work In Restricted Working Space, Add</i>	3.83	
23 05 29 00-0338	EA			6" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) .....	38.85	7.08
				<i>For Work In Restricted Working Space, Add</i>	4.25	
23 05 29 00-0339	EA			8" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) .....	50.36	7.79
				<i>For Work In Restricted Working Space, Add</i>	4.67	
23 05 29 00-0340				<b>Two Hole Copper-Clad Pipe Straps</b> <small>(23 05 29 00-0327)</small>		
23 05 29 00-0341	EA			1/2" Two Hole Copper-Clad Pipe Strap .....	3.62	
				<i>For Work In Restricted Working Space, Add</i>	1.06	
23 05 29 00-0342	EA			3/4" Two Hole Copper-Clad Pipe Strap .....	3.82	
				<i>For Work In Restricted Working Space, Add</i>	1.12	
23 05 29 00-0343	EA			1" Two Hole Copper-Clad Pipe Strap .....	4.10	
				<i>For Work In Restricted Working Space, Add</i>	1.17	
23 05 29 00-0344	EA			1-1/4" Two Hole Copper-Clad Pipe Strap .....	4.28	
				<i>For Work In Restricted Working Space, Add</i>	1.22	
23 05 29 00-0345	EA			1-1/2" Two Hole Copper-Clad Pipe Strap .....	4.49	
				<i>For Work In Restricted Working Space, Add</i>	1.28	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0346 EA 2" Two Hole Copper-Clad Pipe Strap..... <i>For Work In Restricted Working Space, Add</i>	4.86 1.38	
<b>23 05 29 00-0347 One Hole Galvanized Steel Pipe Straps</b> (23 05 29 00-0327)		
23 05 29 00-0348 EA 1/2" One Hole Galvanized Steel Pipe Strap (Anvil 185D)..... <i>For Work In Restricted Working Space, Add</i>	2.36 0.35	
23 05 29 00-0349 EA 3/4" One Hole Galvanized Steel Pipe Strap (Anvil 185D)..... <i>For Work In Restricted Working Space, Add</i>	2.93 0.38	
23 05 29 00-0350 EA 1" One Hole Galvanized Steel Pipe Strap (Anvil 185D)..... <i>For Work In Restricted Working Space, Add</i>	3.14 0.41	
23 05 29 00-0351 EA 1-1/4" Galvanized Steel Strap, 1 Hole..... <i>For Work In Restricted Working Space, Add</i>	3.37 0.44	
23 05 29 00-0352 EA 1-1/2" Galvanized Steel Strap, 1 Hole..... <i>For Work In Restricted Working Space, Add</i>	3.60 0.48	
23 05 29 00-0353 EA 2" Galvanized Steel Strap, 1 Hole..... <i>For Work In Restricted Working Space, Add</i>	4.04 0.53	
<b>23 05 29 00-0354 Pipe and Equipment Support Brackets</b> (23 05 29 00-0001)		
<b>23 05 29 00-0355 Pipe and Equipment Supports, Light Duty Welded Steel Bracket (Cooper B-Line B3068)</b> (23 05 29 00-0354) Note: Up to 750# load.		
23 05 29 00-0356 EA 9" x 9" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)..... <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	134.16 23.70 4.70	7.82
23 05 29 00-0357 EA 13" x 13" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)..... <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	136.32 24.13 4.70	7.82
23 05 29 00-0358 EA 19" x 19" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)..... <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	144.89 25.85 4.70	7.82
<b>23 05 29 00-0359 Pipe and Equipment Supports, Medium Duty Welded Steel Bracket (Cooper B-Line B3066)</b> (23 05 29 00-0354) Note: Up to 1500# load.		
23 05 29 00-0360 EA 12" Wide x 18" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)..... <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	343.55 65.58 4.70	7.82
23 05 29 00-0361 EA 18" Wide x 24" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)..... <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	405.19 77.91 4.70	7.82
23 05 29 00-0362 EA 24" Wide x 30" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)..... <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	530.89 103.05 4.70	7.82
<b>23 05 29 00-0363 Fiberglass Brackets</b> (23 05 29 00-0354)		
<b>23 05 29 00-0364 Polyester Resin</b> (23 05 29 00-0363) Note: (B-Line BFP409 Series), single channel bracket.		
23 05 29 00-0365 EA 6" Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP409).....	157.23	6.51
23 05 29 00-0366 EA 9" Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP409).....	165.84	7.17
23 05 29 00-0367 EA 12" Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP409).....	174.45	7.82
23 05 29 00-0368 EA 18" Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP409).....	197.23	8.15
23 05 29 00-0369 EA 24" Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP409).....	218.42	8.47
<b>23 05 29 00-0370 Vinyl Ester Resin</b> (23 05 29 00-0363) Note: (B-Line BFV409 Series), single channel bracket.		
23 05 29 00-0371 EA 6" Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV409).....	200.48	6.51
23 05 29 00-0372 EA 9" Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV409).....	211.46	7.17
23 05 29 00-0373 EA 12" Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV409).....	222.65	7.82
23 05 29 00-0374 EA 18" Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV409).....	251.54	8.15
23 05 29 00-0375 EA 24" Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV409).....	282.02	8.47
<b>23 05 29 00-0376 Polyester Resin</b> (23 05 29 00-0363) Note: (B-Line BFP494 Series), braced single channel bracket.		
23 05 29 00-0377 EA 24" Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP494).....	243.50	8.47
23 05 29 00-0378 EA 30" Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP494).....	251.72	9.13
23 05 29 00-0379 EA 36" Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP494).....	268.83	9.78
<b>23 05 29 00-0380 Vinyl Ester Resin</b> (23 05 29 00-0363) Note: (B-Line BFV494 Series), braced single channel bracket.		
23 05 29 00-0381 EA 24" Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV494).....	311.84	8.47
23 05 29 00-0382 EA 30" Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV494).....	325.59	9.13
23 05 29 00-0383 EA 36" Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV494).....	343.87	9.78



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 05 29 00-0384</b> Pipe Alignment Guide <small>(23 05 29 00-0001)</small>		
<b>23 05 29 00-0385</b> Pipe Alignment Guide, 1" Insulation <small>(23 05 29 00-0384)</small>		
23 05 29 00-0386 EA 1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1/2).....	383.61	12.38
23 05 29 00-0387 EA 3/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3/4).....	384.25	12.72
23 05 29 00-0388 EA 1" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1).....	384.91	13.04
23 05 29 00-0389 EA 1-1/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/4).....	385.56	13.36
23 05 29 00-0390 EA 1-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/2).....	421.16	13.69
23 05 29 00-0391 EA 2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2).....	429.20	14.99
23 05 29 00-0392 EA 2-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2-1/2).....	430.18	15.48
23 05 29 00-0393 EA 3" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3).....	431.15	15.97
23 05 29 00-0394 EA 4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-4).....	456.30	16.95
23 05 29 00-0395 EA 5" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-5).....	531.25	21.51
23 05 29 00-0396 EA 6" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-6).....	540.37	26.08
23 05 29 00-0397 EA 8" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-8).....	607.43	32.59
23 05 29 00-0398 EA 10" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-10).....	1,133.74	39.11
23 05 29 00-0399 EA 12" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-12).....	1,729.15	52.15
23 05 29 00-0400 EA 14" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-14).....	2,127.32	65.19
23 05 29 00-0401 EA 16" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-16).....	2,562.36	73.02
23 05 29 00-0402 EA 18" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-18).....	2,762.35	81.49
23 05 29 00-0403 EA 20" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-20).....	2,932.41	93.22
23 05 29 00-0404 EA 24" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-24).....	3,704.61	97.78
<b>23 05 29 00-0405</b> Pipe Alignment Guide, 1-1/2" Insulation <small>(23 05 29 00-0384)</small>		
23 05 29 00-0406 EA 1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1/2).....	384.25	12.72
23 05 29 00-0407 EA 3/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3/4).....	419.86	13.04
23 05 29 00-0408 EA 1" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1).....	420.51	13.36
23 05 29 00-0409 EA 1-1/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/4).....	421.16	13.69
23 05 29 00-0410 EA 1-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/2).....	421.81	14.02
23 05 29 00-0411 EA 2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2).....	429.84	15.32
23 05 29 00-0412 EA 2-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2-1/2).....	430.82	15.81
23 05 29 00-0413 EA 3" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3).....	454.99	16.30
23 05 29 00-0414 EA 4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-4).....	456.95	17.27
23 05 29 00-0415 EA 5" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-5).....	532.22	22.00
23 05 29 00-0416 EA 6" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-6).....	541.67	26.73
23 05 29 00-0417 EA 8" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-8).....	609.05	33.41
23 05 29 00-0418 EA 10" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-10).....	1,135.69	40.09
23 05 29 00-0419 EA 12" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-12).....	1,731.76	53.45
23 05 29 00-0420 EA 14" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-14).....	2,130.58	66.81
23 05 29 00-0421 EA 16" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-16).....	2,566.27	74.96
23 05 29 00-0422 EA 18" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-18).....	2,766.26	83.44
23 05 29 00-0423 EA 20" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-20).....	2,936.97	95.50
23 05 29 00-0424 EA 24" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-24).....	3,709.50	100.23
<b>23 05 29 00-0425</b> Pipe Alignment Guide, 2" Insulation <small>(23 05 29 00-0384)</small>		
23 05 29 00-0426 EA 1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1/2).....	419.86	13.04
23 05 29 00-0427 EA 3/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3/4).....	425.94	13.36
23 05 29 00-0428 EA 1" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1).....	426.59	13.69
23 05 29 00-0429 EA 1-1/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/4).....	427.24	14.02
23 05 29 00-0430 EA 1-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/2).....	427.89	14.34
23 05 29 00-0431 EA 2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2).....	453.69	15.65
23 05 29 00-0432 EA 2-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2-1/2).....	454.99	16.30
23 05 29 00-0433 EA 3" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3).....	455.81	16.71
23 05 29 00-0434 EA 4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-4).....	523.42	17.60
23 05 29 00-0435 EA 5" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-5).....	533.20	22.49
23 05 29 00-0436 EA 6" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-6).....	596.99	27.38
23 05 29 00-0437 EA 8" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-8).....	670.52	34.22
23 05 29 00-0438 EA 10" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-10).....	1,137.65	41.07
23 05 29 00-0439 EA 12" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-12).....	1,734.37	54.75
23 05 29 00-0440 EA 14" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-14).....	2,133.83	68.45
23 05 29 00-0441 EA 16" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-16).....	2,570.03	76.85
23 05 29 00-0442 EA 18" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-18).....	2,770.50	85.56
23 05 29 00-0443 EA 20" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-20).....	2,941.53	97.78
23 05 29 00-0444 EA 24" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-24).....	3,714.39	102.67
<b>23 05 29 00-0445</b> Pipe Alignment Guide, 2-1/2" Insulation <small>(23 05 29 00-0384)</small>		
23 05 29 00-0446 EA 1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1/2).....	425.94	13.36
23 05 29 00-0447 EA 3/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3/4).....	449.78	13.69
23 05 29 00-0448 EA 1" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1).....	450.43	14.02
23 05 29 00-0449 EA 1-1/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/4).....	451.08	14.34
23 05 29 00-0450 EA 1-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/2).....	451.73	14.67
23 05 29 00-0451 EA 2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2).....	454.34	15.97
23 05 29 00-0452 EA 2-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2-1/2).....	455.81	16.71
23 05 29 00-0453 EA 3" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3).....	522.44	17.11
23 05 29 00-0454 EA 4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-4).....	524.08	17.93
23 05 29 00-0455 EA 5" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-5).....	587.87	22.82
23 05 29 00-0456 EA 6" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-6).....	598.30	28.03

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
23 05 29 00-0457	8" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-8).....	1,125.59	35.04
23 05 29 00-0458 EA	10" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-10).....	1,708.95	42.05
23 05 29 00-0459 EA	12" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-12).....	2,109.06	56.06
23 05 29 00-0460 EA	14" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-14).....	2,137.46	70.08
23 05 29 00-0461 EA	16" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-16).....	2,574.10	78.87
23 05 29 00-0462 EA	18" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-18).....	2,774.73	87.68
23 05 29 00-0463 EA	20" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-20).....	2,946.42	100.23
23 05 29 00-0464 EA	24" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-24).....	3,719.61	105.28
<b>23 05 29 00-0465</b>	<b>Pipe Alignment Guide, 3" Insulation (23 05 29 00-0384)</b>		
23 05 29 00-0466 EA	1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1/2).....	449.78	13.69
23 05 29 00-0467 EA	3/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3/4).....	450.43	14.02
23 05 29 00-0468 EA	1" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1).....	451.08	14.34
23 05 29 00-0469 EA	1-1/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/4).....	451.73	14.67
23 05 29 00-0470 EA	1-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/2).....	452.39	14.99
23 05 29 00-0471 EA	2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2).....	520.81	16.30
23 05 29 00-0472 EA	2-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2-1/2).....	522.44	17.11
23 05 29 00-0473 EA	3" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3).....	523.42	17.60
23 05 29 00-0474 EA	4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-4).....	579.00	18.38
23 05 29 00-0475 EA	5" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-5).....	589.18	23.46
23 05 29 00-0476 EA	6" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-6).....	659.44	28.68
23 05 29 00-0477 EA	8" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-8).....	1,127.21	35.86
23 05 29 00-0478 EA	10" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-10).....	1,710.89	43.03
23 05 29 00-0479 EA	12" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-12).....	2,111.67	57.37
23 05 29 00-0480 EA	14" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-14).....	2,140.72	71.70
23 05 29 00-0481 EA	16" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-16).....	2,578.01	80.83
23 05 29 00-0482 EA	18" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-18).....	2,778.65	89.63
23 05 29 00-0483 EA	20" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-20).....	2,951.31	102.67
23 05 29 00-0484 EA	24" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-24).....	3,724.82	107.88
<b>23 05 29 00-0485</b>	<b>Pipe Alignment Guide, 3-1/2" Insulation (23 05 29 00-0384)</b>		
23 05 29 00-0486 EA	1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1/2).....	450.43	14.02
23 05 29 00-0487 EA	3/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3/4).....	516.90	14.34
23 05 29 00-0488 EA	1" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1).....	517.55	14.67
23 05 29 00-0489 EA	1-1/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/4).....	518.21	14.99
23 05 29 00-0490 EA	1-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/2).....	518.85	15.32
23 05 29 00-0491 EA	2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2).....	521.63	16.71
23 05 29 00-0492 EA	2-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2-1/2).....	523.29	17.54
23 05 29 00-0493 EA	3" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3).....	578.32	18.04
23 05 29 00-0494 EA	4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-4).....	580.05	18.91
23 05 29 00-0495 EA	5" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-5).....	650.31	24.12
23 05 29 00-0496 EA	6" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-6).....	1,114.18	29.33
23 05 29 00-0497 EA	8" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-8).....	1,698.19	36.66
23 05 29 00-0498 EA	10" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-10).....	2,085.51	44.10
23 05 29 00-0499 EA	12" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-12).....	2,533.68	58.67
23 05 29 00-0500 EA	14" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-14).....	2,563.34	73.50
23 05 29 00-0501 EA	16" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-16).....	2,773.59	82.79
23 05 29 00-0502 EA	18" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-18).....	2,929.80	91.91
23 05 29 00-0503 EA	20" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-20).....	3,718.96	104.95
<b>23 05 29 00-0504</b>	<b>Pipe Alignment Guide, 4" Insulation (23 05 29 00-0384)</b>		
23 05 29 00-0505 EA	1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1/2).....	516.90	14.34
23 05 29 00-0506 EA	3/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3/4).....	517.55	14.67
23 05 29 00-0507 EA	1" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1).....	518.21	14.99
23 05 29 00-0508 EA	1-1/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/4).....	518.85	15.32
23 05 29 00-0509 EA	1-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/2).....	519.51	15.65
23 05 29 00-0510 EA	2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2).....	576.46	17.11
23 05 29 00-0511 EA	2-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2-1/2).....	578.10	17.93
23 05 29 00-0512 EA	3" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3).....	579.21	18.48
23 05 29 00-0513 EA	4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-4).....	640.86	19.39
23 05 29 00-0514 EA	5" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-5).....	1,105.05	24.78
23 05 29 00-0515 EA	6" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-6).....	1,115.49	29.99
23 05 29 00-0516 EA	8" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-8).....	1,699.81	37.48
23 05 29 00-0517 EA	10" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-10).....	2,087.92	45.31
23 05 29 00-0518 EA	12" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-12).....	2,536.62	60.14
23 05 29 00-0519 EA	14" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-14).....	2,749.31	74.96
23 05 29 00-0520 EA	16" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-16).....	2,915.45	84.74
23 05 29 00-0521 EA	18" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-18).....	3,698.10	94.52
<b>23 05 29 00-0522</b>	<b>Sway Bracing For No Hub Pipe (23 05 29 00-0001)</b>		
23 05 29 00-0523 EA	1-1/2" Sway Bracing.....	96.20	8.60
	<i>For Work In Restricted Working Space, Add</i>	5.15	
23 05 29 00-0524 EA	2" Sway Bracing.....	99.04	9.07
	<i>For Work In Restricted Working Space, Add</i>	5.43	
23 05 29 00-0525 EA	3" Sway Bracing.....	102.50	9.58
	<i>For Work In Restricted Working Space, Add</i>	5.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0526 EA 4" Sway Bracing..... <i>For Work In Restricted Working Space, Add</i>	116.35 6.52	10.89
23 05 29 00-0527 EA 6" Sway Bracing..... <i>For Work In Restricted Working Space, Add</i>	170.58 9.78	16.30
23 05 29 00-0528 EA 8" Sway Bracing..... <i>For Work In Restricted Working Space, Add</i>	188.10 12.22	20.34
23 05 29 00-0529 EA 10" Sway Bracing..... <i>For Work In Restricted Working Space, Add</i>	210.49 16.30	27.19
<b>23 05 29 00-0530 Pipe Stand With Adjustable Saddle (Cooper B-Line B3088T-18 Base, B3093 Adjustable Pipe Saddle) (23 05 29 00-0001)</b> Note: Heights listed is total for base and adjustable saddle		
23 05 29 00-0531 EA 23" to 28" High Pipe Stand With Adjustable Saddle For 1-1/4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)..... <i>For Work In Restricted Working Space, Add</i>	191.92 3.91	6.51
23 05 29 00-0532 EA 24" to 29" High Pipe Stand With Adjustable Saddle For 1-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)..... <i>For Work In Restricted Working Space, Add</i>	195.49 4.30	7.17
23 05 29 00-0533 EA 24" to 29" High Pipe Stand With Adjustable Saddle For 2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)..... <i>For Work In Restricted Working Space, Add</i>	340.70 4.89	8.15
23 05 29 00-0534 EA 24" to 29" High Pipe Stand With Adjustable Saddle For 2-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)..... <i>For Work In Restricted Working Space, Add</i>	438.16 5.48	9.13
23 05 29 00-0535 EA 24" to 29" High Pipe Stand With Adjustable Saddle For 3" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)..... <i>For Work In Restricted Working Space, Add</i>	443.22 6.06	10.10
23 05 29 00-0536 EA 25" to 29" High Pipe Stand With Adjustable Saddle For 3-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)..... <i>For Work In Restricted Working Space, Add</i>	479.93 6.85	11.40
23 05 29 00-0537 EA 25" to 30" High Pipe Stand With Adjustable Saddle For 4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)..... <i>For Work In Restricted Working Space, Add</i>	583.08 7.43	12.38
23 05 29 00-0538 EA 25" to 30" High Pipe Stand With Adjustable Saddle For 5" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)..... <i>For Work In Restricted Working Space, Add</i>	589.12 8.02	13.36
23 05 29 00-0539 EA 26" to 31" High Pipe Stand With Adjustable Saddle For 6" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)..... <i>For Work In Restricted Working Space, Add</i>	596.86 8.80	14.67
23 05 29 00-0540 EA 28" to 33" High Pipe Stand With Adjustable Saddle For 8" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)..... <i>For Work In Restricted Working Space, Add</i>	617.64 9.58	15.97
23 05 29 00-0541 EA 29" to 34" High Pipe Stand With Adjustable Saddle For 10" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)..... <i>For Work In Restricted Working Space, Add</i>	654.58 10.56	17.60
23 05 29 00-0542 EA 30" to 35" High Pipe Stand With Adjustable Saddle For 12" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)..... <i>For Work In Restricted Working Space, Add</i>	671.74 11.73	19.55
23 05 29 00-0543 EA 32" to 37" High Pipe Stand With Adjustable Saddle For 14" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)..... <i>For Work In Restricted Working Space, Add</i>	822.40 12.91	21.51
23 05 29 00-0544 EA 33" to 38" High Pipe Stand With Adjustable Saddle For 16" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)..... <i>For Work In Restricted Working Space, Add</i>	885.59 14.47	24.12
23 05 29 00-0545 EA 35" to 40" High Pipe Stand With Adjustable Saddle For 18" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)..... <i>For Work In Restricted Working Space, Add</i>	1,274.37 16.04	26.73
23 05 29 00-0546 EA 36" to 41" High Pipe Stand With Adjustable Saddle For 20" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)..... <i>For Work In Restricted Working Space, Add</i>	1,519.76 17.60	29.33
23 05 29 00-0547 EA 39" to 44" High Pipe Stand With Adjustable Saddle For 24" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)..... <i>For Work In Restricted Working Space, Add</i>	1,780.81 19.16	31.94
<b>23 05 29 00-0548 Channel Mounted Cushion Clamp (23 05 29 00-0001)</b> Note: Includes fastening into channel.		
23 05 29 00-0549 EA 1/2" Channel Mounted Cushion Clamp For 3/8" Pipe (Cooper B-Line BVT050).....	9.77	2.93
23 05 29 00-0550 EA 5/8" Channel Mounted Cushion Clamp For 1/2" Pipe (Cooper B-Line BVT062).....	10.28	3.26
23 05 29 00-0551 EA 7/8" Channel Mounted Cushion Clamp For 3/4" Pipe (Cooper B-Line BVT087).....	11.84	3.42
23 05 29 00-0552 EA 1-1/8" Channel Mounted Cushion Clamp For 1" Pipe (Cooper B-Line BVT112).....	12.85	3.59
23 05 29 00-0553 EA 1-3/8" Channel Mounted Cushion Clamp For 1-1/4" Pipe (Cooper B-Line BVT137).....	14.56	3.91
23 05 29 00-0554 EA 1-5/8" Channel Mounted Cushion Clamp For 1-1/2" Pipe (Cooper B-Line BVT162).....	16.95	4.07
23 05 29 00-0555 EA 2-1/8" Channel Mounted Cushion Clamp For 2" Pipe (Cooper B-Line BVT212).....	23.51	4.24
23 05 29 00-0556 EA 2-5/8" Channel Mounted Cushion Clamp For 2-1/2" Pipe (Cooper B-Line BVT262).....	26.29	4.57
23 05 29 00-0557 EA 3-1/8" Channel Mounted Cushion Clamp For 3" Pipe (Cooper B-Line BVT312).....	33.22	5.21
23 05 29 00-0558 EA 4-1/8" Channel Mounted Cushion Clamp For 4" Pipe (Cooper B-Line BVT412).....	55.06	5.87
<b>23 05 29 00-0559 Galvanized Steel Cushion Tube Clamp (KMC) (23 05 29 00-0001)</b> Note: Excludes fastening bolt and drilling if necessary.		
23 05 29 00-0560 EA 1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/8" Pipe..... Note: 19/32" Center To Center Length, 9/32" Hole Diameter For Screw	2.44	



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0561	EA		1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/8" Pipe.....2.52 Note: 23/32" Center To Center Length, 13/32" Hole Diameter For Screw	2.52	
23 05 29 00-0562	EA		5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1/2" Pipe.....2.57 Note: 23/32" Center To Center Length, 9/32" Hole Diameter For Screw	2.57	
23 05 29 00-0563	EA		5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1/2" Pipe.....2.69 Note: 27/32" Center To Center Length, 13/32" Hole Diameter For Screw	2.69	
23 05 29 00-0564	EA		7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/4" Pipe.....2.54 Note: 27/32" Center To Center Length, 9/32" Hole Diameter For Screw	2.54	
23 05 29 00-0565	EA		7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/4" Pipe.....2.77 Note: 31/32" Center To Center Length, 13/32" Hole Diameter For Screw	2.77	
23 05 29 00-0566	EA		1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1" Pipe.....2.63 Note: 31/32" Center To Center Length, 9/32" Hole Diameter For Screw	2.63	
23 05 29 00-0567	EA		1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1" Pipe.....2.91 Note: 1-1/32" Center To Center Length, 13/32" Hole Diameter For Screw	2.91	
23 05 29 00-0568	EA		1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1" Pipe.....2.92 Note: 1-5/32" Center To Center Length, 17/32" Hole Diameter For Screw	2.92	
23 05 29 00-0569	EA		1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/4" Pipe .....2.76 Note: 1-3/32" Center To Center Length, 9/32" Hole Diameter For Screw	2.76	
23 05 29 00-0570	EA		1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/4" Pipe .....2.88 Note: 1-7/32" Center To Center Length, 13/32" Hole Diameter For Screw	2.88	
23 05 29 00-0571	EA		1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/4" Pipe .....3.27 Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	3.27	
23 05 29 00-0572	EA		1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/2" Pipe .....2.90 Note: 1-5/16" Center To Center Length, 9/32" Hole Diameter For Screw	2.90	
23 05 29 00-0573	EA		1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/2" Pipe .....3.15 Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	3.15	
23 05 29 00-0574	EA		1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/2" Pipe .....3.56 Note: 1-13/16" Center To Center Length, 17/32" Hole Diameter For Screw	3.56	
23 05 29 00-0575	EA		2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2" Pipe.....3.60 Note: 1-7/16" Center To Center Length, 9/32" Hole Diameter For Screw	3.60	
23 05 29 00-0576	EA		2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2" Pipe.....3.83 Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	3.83	
23 05 29 00-0577	EA		2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2" Pipe.....4.28 Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	4.28	
23 05 29 00-0578	EA		2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2-1/2" Pipe .....4.42 Note: 1-11/16" Center To Center Length, 9/32" Hole Diameter For Screw	4.42	
23 05 29 00-0579	EA		2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2-1/2" Pipe .....5.10 Note: 1-13/16" Center To Center Length, 13/32" Hole Diameter For Screw	5.10	
23 05 29 00-0580	EA		2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2-1/2" Pipe .....5.15 Note: 1-15/16" Center To Center Length, 17/32" Hole Diameter For Screw	5.15	
23 05 29 00-0581	EA		3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3" Pipe.....4.56 Note: 1-15/16" Center To Center Length, 9/32" Hole Diameter For Screw	4.56	
23 05 29 00-0582	EA		3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3" Pipe.....5.10 Note: 2-1/16" Center To Center Length, 13/32" Hole Diameter For Screw	5.10	
23 05 29 00-0583	EA		3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3" Pipe.....5.43 Note: 2-3/16" Center To Center Length, 17/32" Hole Diameter For Screw	5.43	
23 05 29 00-0584	EA		3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3-1/2" Pipe .....4.74 Note: 2-3/16" Center To Center Length, 9/32" Hole Diameter For Screw	4.74	
23 05 29 00-0585	EA		3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3-1/2" Pipe .....5.06 Note: 2-5/16" Center To Center Length, 13/32" Hole Diameter For Screw	5.06	
23 05 29 00-0586	EA		3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3-1/2" Pipe .....6.34 Note: 2-7/16" Center To Center Length, 17/32" Hole Diameter For Screw	6.34	
23 05 29 00-0587	EA		4" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 4" Pipe.....4.70 Note: 2-7/16" Center To Center Length, 9/32" Hole Diameter For Screw	4.70	
23 05 29 00-0588	EA		4" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 4" Pipe.....5.18 Note: 2-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	5.18	
23 05 29 00-0589	EA		4" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 4" Pipe.....6.62 Note: 2-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	6.62	
23 05 29 00-0590			<b>Rooftop Pipe Supports</b> (23 05 29 00-0001) Note: Excludes pipe/conduit clamps and straps.		
23 05 29 00-0591			<b>Rooftop Support Base</b> (23 05 29 00-0590)		
23 05 29 00-0592	EA		4" x 6" x 4.8" Rooftop Support Base (Cooper B-Line Dura-Blok DBM) .....26.42	26.42	5.31
23 05 29 00-0593	EA		4" x 6" x 9.6" Rooftop Support Base (Cooper B-Line Dura-Blok DBP).....36.95	36.95	7.08
23 05 29 00-0594			<b>Rooftop Support Base With 14 Gauge Galvanized Channel</b> (23 05 29 00-0590)		
23 05 29 00-0595	EA		5" x 6" x 4.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB5) .....30.35	30.35	5.31
23 05 29 00-0596	EA		5" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10) .....43.34	43.34	7.08
23 05 29 00-0597	EA		5" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB20) .....81.98	81.98	8.85
23 05 29 00-0598	EA		5" x 6" x 30.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB30) .....114.03	114.03	10.62
23 05 29 00-0599	EA		5" x 6" x 41.4" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB40) .....158.98	158.98	12.40
23 05 29 00-0600	EA		5" x 6" x 52" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB48) .....167.16	167.16	14.16
23 05 29 00-0601			<b>Rooftop Support Base With 12 Gauge Galvanized Channel</b> (23 05 29 00-0590)		
23 05 29 00-0602	EA		6-7/16" x 6" x 9.6" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB610) .....53.78	53.78	7.08
23 05 29 00-0603	EA		6-7/16" x 6" x 20.2" Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB620) .....86.64	86.64	8.85
23 05 29 00-0604	EA		6-7/16" x 6" x 30.8" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB630) .....115.90	115.90	10.62
23 05 29 00-0605	EA		6-7/16" x 6" x 41.4" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB640) .....159.08	159.08	12.40
23 05 29 00-0606	EA		6-7/16" x 6" x 52" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB648) .....180.49	180.49	10.62



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	<b>23 05 29 00-0607</b>	<b>Rooftop Bridge Support Base With 12 Gauge Galvanized Channel</b> <small>(23 05 29 00-0590)</small>		
	23 05 29 00-0608	EA 5-5/8" x 6" x 28" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-28).....	90.65	10.62
	23 05 29 00-0609	EA 5-5/8" x 6" x 36" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-36).....	103.11	12.40
	23 05 29 00-0610	EA 5-5/8" x 6" x 42" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-42).....	106.61	14.16
	23 05 29 00-0611	EA 5-5/8" x 6" x 50" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-50).....	116.51	15.93
	23 05 29 00-0612	EA 5-5/8" x 6" x 60" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-60).....	150.33	17.71
	<b>23 05 29 00-0613</b>	<b>Rooftop Pipe Support Base And Rod</b> <small>(23 05 29 00-0590)</small>		
	23 05 29 00-0614	EA 9.69" To 11.19" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1/2CT).....	66.15	7.08
	23 05 29 00-0615	EA 9.84" To 11.34" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-3/4CT).....	66.15	7.08
	23 05 29 00-0616	EA 9.95" To 11.45" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1CT).....	66.54	7.08
	23 05 29 00-0617	EA 10.13" To 11.63" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/4CT).....	70.49	8.85
	23 05 29 00-0618	EA 10.28" To 11.78" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/2CT).....	67.63	8.85
	23 05 29 00-0619	EA 10.53" To 12.03" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-2CT).....	71.30	8.85
	<b>23 05 29 00-0620</b>	<b>Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly</b> <small>(23 05 29 00-0590)</small>		
	23 05 29 00-0621	EA 7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR2-3 1/2).....	84.86	7.08
	23 05 29 00-0622	EA 7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR4-6).....	95.12	7.08
	23 05 29 00-0623	EA 8.34" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR8-10).....	124.90	8.85
	23 05 29 00-0624	EA 9.38" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR12-14).....	166.84	8.85
	23 05 29 00-0625	EA 9.78" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR16-20).....	229.12	8.85
	<b>23 05 29 00-0626</b>	<b>Rooftop Support Base And Adjustable Height Roller Assembly</b> <small>(23 05 29 00-0590)</small>		
		Note: Includes base, two zinc all threaded rod risers and pipe roller.		
	23 05 29 00-0627	EA Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Roller Assembly (Cooper B-Line Dura-Blok DBR10-12).....	104.87	10.62
	<b>23 05 29 00-0628</b>	<b>Rooftop Support Base And Adjustable Height Channel Assembly</b> <small>(23 05 29 00-0590)</small>		
		Note: Includes base, two zinc all threaded rod and 14 gauge slotted channel.		
	23 05 29 00-0629	EA Up To 8" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-8).....	67.82	8.85
	23 05 29 00-0630	EA Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-12).....	93.14	10.62
	23 05 29 00-0631	EA Up To 16" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-16).....	103.59	12.40
	<b>23 05 29 00-0632</b>	<b>Rooftop Support Bases With Channel Support And Risers Assembly</b> <small>(23 05 29 00-0590)</small>		
		Note: Includes two support bases, two 12 gauge galvanized channel risers and one 12 gauge galvanized channel support. Dimensions are "overall" (height x width x length).		
	23 05 29 00-0633	EA 23" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2318DS).....	257.98	14.16
	23 05 29 00-0634	EA 29" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2918DS).....	260.93	14.16
	23 05 29 00-0635	EA 41" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4118DS).....	271.29	14.16
	23 05 29 00-0636	EA 53" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5318DS).....	295.06	14.16
	23 05 29 00-0637	EA 23" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2324DS).....	252.71	14.16
	23 05 29 00-0638	EA 29" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2924DS).....	262.62	14.16
	23 05 29 00-0639	EA 41" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4124DS).....	272.97	14.16
	23 05 29 00-0640	EA 53" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5324DS).....	296.73	14.16
	23 05 29 00-0641	EA 23" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2336DS).....	264.48	14.16
	23 05 29 00-0642	EA 29" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2936DS).....	267.94	14.16
	23 05 29 00-0643	EA 41" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4136DS).....	278.10	14.16
	23 05 29 00-0644	EA 53" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5336DS).....	301.96	14.16

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0645 EA 23" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2348DS).....	276.52	14.16
23 05 29 00-0646 EA 29" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2948DS).....	279.67	14.16
23 05 29 00-0647 EA 41" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4148DS).....	289.83	14.16
23 05 29 00-0648 EA 53" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5348DS).....	313.69	14.16
<b>23 05 29 00-0649 Threaded Rod, Accessories And Attachments (23 05 29)</b>		
<b>23 05 29 00-0650 Threaded Rod And Rod Accessories (23 05 29 00-0649)</b>		
<b>23 05 29 00-0651 Threaded Rod (23 05 29 00-0650)</b>		
Note: Fully threaded.		
23 05 29 00-0652 LF 3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	2.48	0.44
For Galvanized, Add	0.64	
For Zinc Plated, Add	0.45	
For Work In Restricted Working Space, Add	0.27	
23 05 29 00-0653 LF 1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	3.47	0.47
For Galvanized, Add	1.01	
For Zinc Plated, Add	0.72	
For Work In Restricted Working Space, Add	0.28	
23 05 29 00-0654 LF 5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	4.92	0.50
For Galvanized, Add	1.56	
For Zinc Plated, Add	1.11	
For Work In Restricted Working Space, Add	0.30	
23 05 29 00-0655 LF 3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	8.14	0.51
For Galvanized, Add	2.84	
For Zinc Plated, Add	2.03	
For Work In Restricted Working Space, Add	0.31	
23 05 29 00-0656 LF 7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	8.89	0.53
For Galvanized, Add	3.13	
For Zinc Plated, Add	2.23	
For Work In Restricted Working Space, Add	0.32	
23 05 29 00-0657 LF 1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	12.18	0.60
For Galvanized, Add	4.39	
For Zinc Plated, Add	3.13	
For Work In Restricted Working Space, Add	0.36	
23 05 29 00-0658 LF 1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	15.18	0.68
For Galvanized, Add	5.54	
For Zinc Plated, Add	3.94	
For Work In Restricted Working Space, Add	0.40	
<b>23 05 29 00-0659 Rod Couplings (23 05 29 00-0650)</b>		
23 05 29 00-0660 EA 3/8" Diameter, Threaded Rod Coupling Nut.....	5.55	
For Work In Restricted Working Space, Add	1.31	
23 05 29 00-0661 EA 1/2" Diameter, Threaded Rod Coupling Nut.....	6.33	
For Work In Restricted Working Space, Add	1.45	
23 05 29 00-0662 EA 5/8" Diameter, Threaded Rod Coupling Nut.....	8.24	
For Work In Restricted Working Space, Add	1.67	
23 05 29 00-0663 EA 3/4" Diameter, Threaded Rod Coupling Nut.....	10.24	
For Work In Restricted Working Space, Add	1.82	
23 05 29 00-0664 EA 7/8" Diameter, Threaded Rod Coupling Nut.....	15.65	
For Work In Restricted Working Space, Add	2.01	
23 05 29 00-0665 EA 1" Diameter, Threaded Rod Coupling Nut.....	18.58	
For Work In Restricted Working Space, Add	2.36	
23 05 29 00-0666 EA 1-1/8" Diameter, Threaded Rod Coupling Nut.....	37.27	
For Work In Restricted Working Space, Add	2.68	
<b>23 05 29 00-0667 Flat Washers (23 05 29 00-0650)</b>		
Note: Zinc plated.		
23 05 29 00-0668 EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	0.39	0.14
For Galvanized, Add	0.03	
For Work In Restricted Working Space, Add	0.09	
23 05 29 00-0669 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	0.56	0.14
For Galvanized, Add	0.06	
For Work In Restricted Working Space, Add	0.10	
23 05 29 00-0670 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	0.84	0.22
For Galvanized, Add	0.11	
For Work In Restricted Working Space, Add	0.12	
23 05 29 00-0671 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	1.15	0.22
For Galvanized, Add	0.16	
For Work In Restricted Working Space, Add	0.16	
23 05 29 00-0672 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	1.35	0.29
For Galvanized, Add	0.19	
For Work In Restricted Working Space, Add	0.18	
23 05 29 00-0673 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.60	0.29
For Galvanized, Add	0.23	
For Work In Restricted Working Space, Add	0.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0674 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer..... <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	1.80 0.26 0.23	0.36
<b>23 05 29 00-0675 Hex Nuts</b> (23 05 29 00-0650) Note: Grade 2 and zinc plated.		
23 05 29 00-0676 EA 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut..... <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	0.49 0.02 0.12	0.18
23 05 29 00-0677 EA 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut..... <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	0.64 0.05 0.14	0.18
23 05 29 00-0678 EA 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut..... <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	0.91 0.11 0.14	0.18
23 05 29 00-0679 EA 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut..... <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	1.09 0.15 0.15	0.36
23 05 29 00-0680 EA 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut..... <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	1.64 0.28 0.16	0.36
23 05 29 00-0681 EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut..... <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	2.10 0.38 0.18	0.36
23 05 29 00-0682 EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut..... <i>For Galvanized, Add</i> <i>For Work In Restricted Working Space, Add</i>	3.52 0.71 0.20	0.36
<b>23 05 29 00-0683 Turnbuckle (Cooper B-Line B3202)</b> (23 05 29 00-0650) Note: Type 13.		
23 05 29 00-0684 EA 3/8" Turnbuckle (Cooper B-Line B3202)..... <i>For Work In Restricted Working Space, Add</i>	26.37 2.12	3.54
23 05 29 00-0685 EA 1/2" Turnbuckle (Cooper B-Line B3202)..... <i>For Work In Restricted Working Space, Add</i>	31.85 2.36	3.89
23 05 29 00-0686 EA 5/8" Turnbuckle (Cooper B-Line B3202)..... <i>For Work In Restricted Working Space, Add</i>	34.17 2.73	4.36
23 05 29 00-0687 EA 3/4" Turnbuckle (Cooper B-Line B3202)..... <i>For Work In Restricted Working Space, Add</i>	43.96 3.11	5.09
23 05 29 00-0688 EA 7/8" Turnbuckle (Cooper B-Line B3202)..... <i>For Work In Restricted Working Space, Add</i>	58.15 3.64	5.45
23 05 29 00-0689 EA 1" Turnbuckle (Cooper B-Line B3202)..... <i>For Work In Restricted Working Space, Add</i>	72.65 4.37	5.82
23 05 29 00-0690 EA 1-1/8" Turnbuckle (Cooper B-Line B3202)..... <i>For Work In Restricted Working Space, Add</i>	102.64 5.45	6.54
<b>23 05 29 00-0691 Swivel Turnbuckle (Cooper B-Line B3224)</b> (23 05 29 00-0650) Note: Type 15.		
23 05 29 00-0692 EA 3/8" Swivel Turnbuckle (Cooper B-Line B3224)..... <i>For Work In Restricted Working Space, Add</i>	14.18 2.12	3.54
23 05 29 00-0693 EA 1/2" Swivel Turnbuckle (Cooper B-Line B3224)..... <i>For Work In Restricted Working Space, Add</i>	16.73 2.36	3.96
23 05 29 00-0694 EA 5/8" Swivel Turnbuckle (Cooper B-Line B3224)..... <i>For Work In Restricted Working Space, Add</i>	23.95 2.73	4.51
23 05 29 00-0695 EA 3/4" Swivel Turnbuckle (Cooper B-Line B3224)..... <i>For Work In Restricted Working Space, Add</i>	29.49 3.11	5.16
<b>23 05 29 00-0696 Forged Steel Clevis (Cooper B-Line B3201)</b> (23 05 29 00-0650) Note: Type 14.		
23 05 29 00-0697 EA 3-9/16" Forged Steel Clevis With Pin, 3/8" To 5/8" Rod Size (Cooper B-Line B3201)..... <i>For Work In Restricted Working Space, Add</i>	98.17 3.91	6.51
23 05 29 00-0698 EA 4" Forged Steel Clevis With Pin, 3/4" To 7/8" Rod Size (Cooper B-Line B3201)..... <i>For Work In Restricted Working Space, Add</i>	150.19 4.12	6.85
23 05 29 00-0699 EA 5-1/16" Forged Steel Clevis With Pin, 1" Rod Size (Cooper B-Line B3201)..... <i>For Work In Restricted Working Space, Add</i>	162.80 4.35	7.17
23 05 29 00-0700 EA 5-1/16" Forged Steel Clevis With Pin, 1-1/8" Rod Size (Cooper B-Line B3201)..... <i>For Work In Restricted Working Space, Add</i>	169.28 4.60	7.82
23 05 29 00-0701 EA 5-1/16" Forged Steel Clevis With Pin, 1-1/4" Rod Size (Cooper B-Line B3201)..... <i>For Work In Restricted Working Space, Add</i>	176.95 5.21	8.80
23 05 29 00-0702 EA 6" Forged Steel Clevis With Pin, 1-1/2" Rod Size (Cooper B-Line B3201)..... <i>For Work In Restricted Working Space, Add</i>	300.88 6.85	11.40
23 05 29 00-0703 EA 5-15/16" Forged Steel Clevis With Pin, 1-3/4" Rod Size (Cooper B-Line B3201)..... <i>For Work In Restricted Working Space, Add</i>	325.28 7.82	13.04
23 05 29 00-0704 EA 7" Forged Steel Clevis With Pin, 2" Rod Size (Cooper B-Line B3201)..... <i>For Work In Restricted Working Space, Add</i>	381.65 9.78	16.30
<b>23 05 29 00-0705 Welded Eye Rod (Cooper B-Line B3211)</b> (23 05 29 00-0650)		
23 05 29 00-0706 EA 3/8" Diameter x 8" Length Shank, Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	25.61 2.30	3.82

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0707	EA		3/8" Diameter x 10" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	26.53 2.35	3.89
23 05 29 00-0708	EA		3/8" Diameter x 12" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	27.44 2.39	3.96
23 05 29 00-0709	EA		3/8" Diameter x 14" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	27.59 2.43	4.03
23 05 29 00-0710	EA		3/8" Diameter x 18" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	29.44 2.53	4.18
23 05 29 00-0711	EA		3/8" Diameter x 24" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	31.46 2.66	4.46
23 05 29 00-0712	EA		3/8" Diameter x 30" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	32.67 2.79	4.68
23 05 29 00-0713	EA		3/8" Diameter x 36" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	35.46 2.92	4.89
23 05 29 00-0714	EA		3/8" Diameter x 42" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	37.45 3.05	5.10
23 05 29 00-0715	EA		3/8" Diameter x 48" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	39.46 3.19	5.31
23 05 29 00-0716	EA		1/2" Diameter x 8" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	35.99 2.62	4.36
23 05 29 00-0717	EA		1/2" Diameter x 10" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	36.91 2.66	4.44
23 05 29 00-0718	EA		1/2" Diameter x 12" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	37.88 2.71	4.51
23 05 29 00-0719	EA		1/2" Diameter x 14" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	38.81 2.76	4.58
23 05 29 00-0720	EA		1/2" Diameter x 18" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	40.69 2.86	4.73
23 05 29 00-0721	EA		1/2" Diameter x 24" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	44.28 3.00	5.02
23 05 29 00-0722	EA		1/2" Diameter x 30" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	47.12 3.15	5.23
23 05 29 00-0723	EA		1/2" Diameter x 36" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	50.71 3.29	5.45
23 05 29 00-0724	EA		1/2" Diameter x 42" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	53.51 3.44	5.75
23 05 29 00-0725	EA		1/2" Diameter x 48" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	56.35 3.58	5.96
23 05 29 00-0726	EA		5/8" Diameter x 8" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	50.28 2.93	4.87
23 05 29 00-0727	EA		5/8" Diameter x 10" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	51.98 2.98	4.94
23 05 29 00-0728	EA		5/8" Diameter x 12" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	53.72 3.03	5.02
23 05 29 00-0729	EA		5/8" Diameter x 14" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	54.67 3.08	5.16
23 05 29 00-0730	EA		5/8" Diameter x 18" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	57.34 3.18	5.31
23 05 29 00-0731	EA		5/8" Diameter x 24" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	61.75 3.33	5.52
23 05 29 00-0732	EA		5/8" Diameter x 30" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	66.12 3.48	5.82
23 05 29 00-0733	EA		5/8" Diameter x 36" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	69.74 3.63	6.04
23 05 29 00-0734	EA		5/8" Diameter x 42" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	74.14 3.78	6.33
23 05 29 00-0735	EA		5/8" Diameter x 48" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	78.52 3.93	6.54
23 05 29 00-0736	EA		3/4" Diameter x 8" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	62.49 3.33	5.52
23 05 29 00-0737	EA		3/4" Diameter x 10" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	65.02 3.38	5.59
23 05 29 00-0738	EA		3/4" Diameter x 12" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	66.74 3.43	5.75
23 05 29 00-0739	EA		3/4" Diameter x 14" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	69.24 3.48	5.82
23 05 29 00-0740	EA		3/4" Diameter x 18" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	73.49 3.59	5.96
23 05 29 00-0741	EA		3/4" Diameter x 24" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	79.44 3.74	6.25
23 05 29 00-0742	EA		3/4" Diameter x 30" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	85.41 3.89	6.47
23 05 29 00-0743	EA		3/4" Diameter x 36" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	92.17 4.05	6.76
23 05 29 00-0744	EA		3/4" Diameter x 42" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	98.89 4.20	6.98
23 05 29 00-0745	EA		3/4" Diameter x 48" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	104.87 4.36	7.27
23 05 29 00-0746	EA		7/8" Diameter x 8" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	75.17 3.86	6.40
23 05 29 00-0747	EA		7/8" Diameter x 10" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	78.45 3.91	6.54
23 05 29 00-0748	EA		7/8" Diameter x 12" Length Shank, Welded Eye Rod ..... <i>For Work In Restricted Working Space, Add</i>	80.99 3.97	6.61



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0749 EA 7/8" Diameter x 14" Length Shank, Welded Eye Rod.....	83.49	6.69
For Work In Restricted Working Space, Add	4.02	
23 05 29 00-0750 EA 7/8" Diameter x 18" Length Shank, Welded Eye Rod.....	88.55	6.91
For Work In Restricted Working Space, Add	4.13	
23 05 29 00-0751 EA 7/8" Diameter x 24" Length Shank, Welded Eye Rod.....	96.85	7.13
For Work In Restricted Working Space, Add	4.29	
23 05 29 00-0752 EA 7/8" Diameter x 30" Length Shank, Welded Eye Rod.....	104.40	7.42
For Work In Restricted Working Space, Add	4.45	
23 05 29 00-0753 EA 7/8" Diameter x 36" Length Shank, Welded Eye Rod.....	112.72	7.71
For Work In Restricted Working Space, Add	4.61	
23 05 29 00-0754 EA 7/8" Diameter x 42" Length Shank, Welded Eye Rod.....	120.28	7.92
For Work In Restricted Working Space, Add	4.77	
23 05 29 00-0755 EA 7/8" Diameter x 48" Length Shank, Welded Eye Rod.....	127.83	8.22
For Work In Restricted Working Space, Add	4.94	
23 05 29 00-0756 EA 1" Diameter x 8" Length Shank, Welded Eye Rod.....	94.79	7.71
For Work In Restricted Working Space, Add	4.61	
23 05 29 00-0757 EA 1" Diameter x 10" Length Shank, Welded Eye Rod.....	98.11	7.78
For Work In Restricted Working Space, Add	4.67	
23 05 29 00-0758 EA 1" Diameter x 12" Length Shank, Welded Eye Rod.....	101.44	7.85
For Work In Restricted Working Space, Add	4.73	
23 05 29 00-0759 EA 1" Diameter x 14" Length Shank, Welded Eye Rod.....	104.76	7.99
For Work In Restricted Working Space, Add	4.79	
23 05 29 00-0760 EA 1" Diameter x 18" Length Shank, Welded Eye Rod.....	111.36	8.22
For Work In Restricted Working Space, Add	4.91	
23 05 29 00-0761 EA 1" Diameter x 24" Length Shank, Welded Eye Rod.....	121.34	8.51
For Work In Restricted Working Space, Add	5.09	
23 05 29 00-0762 EA 1" Diameter x 30" Length Shank, Welded Eye Rod.....	131.30	8.80
For Work In Restricted Working Space, Add	5.27	
23 05 29 00-0763 EA 1" Diameter x 36" Length Shank, Welded Eye Rod.....	141.99	9.09
For Work In Restricted Working Space, Add	5.45	
23 05 29 00-0764 EA 1" Diameter x 42" Length Shank, Welded Eye Rod.....	151.95	9.37
For Work In Restricted Working Space, Add	5.63	
23 05 29 00-0765 EA 1" Diameter x 48" Length Shank, Welded Eye Rod.....	161.92	9.67
For Work In Restricted Working Space, Add	5.82	
<b>23 05 29 00-0766 Welded Linked Eye Rod (Cooper B-Line B3211X) (23 05 29 00-0650)</b>		
23 05 29 00-0767 EA 3/8" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	58.63	5.17
For Work In Restricted Working Space, Add	3.12	
23 05 29 00-0768 EA 3/8" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	60.21	5.31
For Work In Restricted Working Space, Add	3.20	
23 05 29 00-0769 EA 3/8" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	61.78	5.52
For Work In Restricted Working Space, Add	3.29	
23 05 29 00-0770 EA 3/8" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	62.23	5.73
For Work In Restricted Working Space, Add	3.43	
23 05 29 00-0771 EA 3/8" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	65.24	5.95
For Work In Restricted Working Space, Add	3.56	
23 05 29 00-0772 EA 3/8" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	68.78	6.37
For Work In Restricted Working Space, Add	3.83	
23 05 29 00-0773 EA 3/8" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	70.93	6.79
For Work In Restricted Working Space, Add	4.09	
23 05 29 00-0774 EA 3/8" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	75.72	7.30
For Work In Restricted Working Space, Add	4.35	
23 05 29 00-0775 EA 1/2" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	77.82	5.89
For Work In Restricted Working Space, Add	3.53	
23 05 29 00-0776 EA 1/2" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	79.44	6.04
For Work In Restricted Working Space, Add	3.63	
23 05 29 00-0777 EA 1/2" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	81.11	6.18
For Work In Restricted Working Space, Add	3.73	
23 05 29 00-0778 EA 1/2" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	82.88	6.47
For Work In Restricted Working Space, Add	3.87	
23 05 29 00-0779 EA 1/2" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	85.94	6.69
For Work In Restricted Working Space, Add	4.02	
23 05 29 00-0780 EA 1/2" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	92.10	7.20
For Work In Restricted Working Space, Add	4.31	
23 05 29 00-0781 EA 1/2" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	96.97	7.63
For Work In Restricted Working Space, Add	4.60	
23 05 29 00-0782 EA 1/2" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	103.14	8.14
For Work In Restricted Working Space, Add	4.89	
23 05 29 00-0783 EA 5/8" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	106.42	6.54
For Work In Restricted Working Space, Add	3.95	
23 05 29 00-0784 EA 5/8" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	109.31	6.76
For Work In Restricted Working Space, Add	4.05	
23 05 29 00-0785 EA 5/8" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	112.27	6.91
For Work In Restricted Working Space, Add	4.15	
23 05 29 00-0786 EA 5/8" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	114.07	7.20
For Work In Restricted Working Space, Add	4.30	
23 05 29 00-0787 EA 5/8" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	118.48	7.42
For Work In Restricted Working Space, Add	4.45	
23 05 29 00-0788 EA 5/8" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	125.97	7.92
For Work In Restricted Working Space, Add	4.75	
23 05 29 00-0789 EA 5/8" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	133.45	8.44
For Work In Restricted Working Space, Add	5.05	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0790 EA 5/8" Diameter x 72" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	139.63 5.35	8.94
23 05 29 00-0791 EA 3/4" Diameter x 16" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	136.03 4.47	7.42
23 05 29 00-0792 EA 3/4" Diameter x 20" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	140.32 4.57	7.63
23 05 29 00-0793 EA 3/4" Diameter x 24" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	143.23 4.67	7.78
23 05 29 00-0794 EA 3/4" Diameter x 30" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	147.64 4.83	8.07
23 05 29 00-0795 EA 3/4" Diameter x 36" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	154.65 4.98	8.29
23 05 29 00-0796 EA 3/4" Diameter x 48" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	164.75 5.30	8.80
23 05 29 00-0797 EA 3/4" Diameter x 60" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	174.86 5.60	9.30
23 05 29 00-0798 EA 3/4" Diameter x 72" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	186.30 5.91	9.89
23 05 29 00-0799 EA 7/8" Diameter x 16" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	163.98 5.17	8.58
23 05 29 00-0800 EA 7/8" Diameter x 20" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	169.54 5.27	8.80
23 05 29 00-0801 EA 7/8" Diameter x 24" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	173.79 5.38	8.94
23 05 29 00-0802 EA 7/8" Diameter x 30" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	178.22 5.54	9.23
23 05 29 00-0803 EA 7/8" Diameter x 36" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	186.57 5.70	9.53
23 05 29 00-0804 EA 7/8" Diameter x 48" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	200.61 6.03	10.03
23 05 29 00-0805 EA 7/8" Diameter x 60" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	213.36 6.35	10.61
23 05 29 00-0806 EA 7/8" Diameter x 72" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	227.40 6.67	11.13
23 05 29 00-0807 EA 1" Diameter x 16" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	210.07 6.15	10.25
23 05 29 00-0808 EA 1" Diameter x 20" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	215.69 6.28	10.47
23 05 29 00-0809 EA 1" Diameter x 24" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	221.29 6.40	10.69
23 05 29 00-0810 EA 1" Diameter x 30" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	227.10 6.58	10.98
23 05 29 00-0811 EA 1" Diameter x 36" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	238.03 6.76	11.27
23 05 29 00-0812 EA 1" Diameter x 48" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	254.85 7.13	11.85
23 05 29 00-0813 EA 1" Diameter x 60" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	271.67 7.49	12.51
23 05 29 00-0814 EA 1" Diameter x 72" Length Shank, Linked Welded Eye Rod..... <i>For Work In Restricted Working Space, Add</i>	289.68 7.85	13.08
<b>23 05 29 00-0815 Attachments</b> <small>(23 05 29 00-0649)</small>		
<b>23 05 29 00-0816 Welded Beam Attachments (B-Line B-3083)</b> <small>(23 05 29 00-0815)</small>		
Note: Type 22.		
23 05 29 00-0817 EA 3/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	32.47 3.96	6.59
23 05 29 00-0818 EA 1/2" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	35.05 4.28	7.11
23 05 29 00-0819 EA 5/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	37.34 4.52	7.52
23 05 29 00-0820 EA 3/4" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	48.23 4.78	7.99
23 05 29 00-0821 EA 7/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	58.25 5.08	8.47
23 05 29 00-0822 EA 1" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	82.42 5.80	9.68
23 05 29 00-0823 EA 1-1/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)..... <i>For Work In Restricted Working Space, Add</i>	117.98 6.09	10.16
<b>23 05 29 00-0824 C-Clamp Style Beam Clamps (B-Line B-3034)</b> <small>(23 05 29 00-0815)</small>		
Note: Type 23. Top or bottom flange mount.		
23 05 29 00-0825 EA 3/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)..... <i>For Work In Restricted Working Space, Add</i>	11.21 2.66	3.61
23 05 29 00-0826 EA 1/2" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)..... <i>For Work In Restricted Working Space, Add</i>	13.78 2.91	4.73
23 05 29 00-0827 EA 5/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)..... <i>For Work In Restricted Working Space, Add</i>	15.69 3.11	5.09
23 05 29 00-0828 EA 3/4" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)..... <i>For Work In Restricted Working Space, Add</i>	20.40 3.36	5.45
23 05 29 00-0829 EA 7/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)..... <i>For Work In Restricted Working Space, Add</i>	30.01 3.64	5.82



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 05 29 00-0830 Bottom Mount I-Beam Clamps (B-Line B-3055)</b> <small>(23 05 29 00-0815)</small>		
<i>Note: Type 21. For attaching threaded rod centered under beam flanges.</i>		
23 05 29 00-0831 EA 3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	32.50	4.96
<i>For Work In Restricted Working Space, Add</i>	<i>3.54</i>	
23 05 29 00-0832 EA 1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	48.70	6.54
<i>For Work In Restricted Working Space, Add</i>	<i>3.97</i>	
23 05 29 00-0833 EA 5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	70.02	7.27
<i>For Work In Restricted Working Space, Add</i>	<i>4.37</i>	
23 05 29 00-0834 EA 3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	83.93	7.99
<i>For Work In Restricted Working Space, Add</i>	<i>4.85</i>	
23 05 29 00-0835 EA 1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	205.31	8.73
<i>For Work In Restricted Working Space, Add</i>	<i>5.45</i>	
<b>23 05 29 00-0836 Steel U-Bolts (B-Line B-3188)</b> <small>(23 05 29 00-0815)</small>		
<i>Note: Type 24. Includes plate and nuts.</i>		
23 05 29 00-0837 EA 1/2" Pipe Size, Steel U-Bolt (B-Line B-3188) .....	9.15	1.77
<i>For Work In Restricted Working Space, Add</i>	<i>2.12</i>	
23 05 29 00-0838 EA 3/4" Pipe Size, Steel U-Bolt (B-Line B-3188) .....	9.97	2.13
<i>For Work In Restricted Working Space, Add</i>	<i>2.24</i>	
23 05 29 00-0839 EA 1" Pipe Size, Steel U-Bolt (B-Line B-3188) .....	10.74	2.13
<i>For Work In Restricted Working Space, Add</i>	<i>2.36</i>	
23 05 29 00-0840 EA 1-1/4" Pipe Size, Steel U-Bolt (B-Line B-3188) .....	12.29	2.13
<i>For Work In Restricted Working Space, Add</i>	<i>2.50</i>	
23 05 29 00-0841 EA 1-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188) .....	12.66	2.48
<i>For Work In Restricted Working Space, Add</i>	<i>2.66</i>	
23 05 29 00-0842 EA 2" Pipe Size, Steel U-Bolt (B-Line B-3188) .....	13.55	2.48
<i>For Work In Restricted Working Space, Add</i>	<i>2.83</i>	
23 05 29 00-0843 EA 2-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188) .....	19.98	2.48
<i>For Work In Restricted Working Space, Add</i>	<i>3.04</i>	
23 05 29 00-0844 EA 3" Pipe Size, Steel U-Bolt (B-Line B-3188) .....	22.05	2.83
<i>For Work In Restricted Working Space, Add</i>	<i>3.27</i>	
23 05 29 00-0845 EA 4" Pipe Size, Steel U-Bolt (B-Line B-3188) .....	26.82	3.18
<i>For Work In Restricted Working Space, Add</i>	<i>3.54</i>	
<b>23 05 29 00-0846 Copper Standoff Brackets With Flange</b> <small>(23 05 29 00-0815)</small>		
<i>Note: Installed in wood, concrete, concrete block or steel.</i>		
23 05 29 00-0847 EA Clamp Size 1/2", Copper Standoff Brackets With Flange .....	22.99	10.39
<i>For Work In Restricted Working Space, Add</i>	<i>6.23</i>	
23 05 29 00-0848 EA Clamp Size 3/4", Copper Standoff Brackets With Flange .....	23.12	10.39
<i>For Work In Restricted Working Space, Add</i>	<i>6.23</i>	
23 05 29 00-0849 EA Clamp Size 1", Copper Standoff Brackets With Flange .....	23.26	10.39
<i>For Work In Restricted Working Space, Add</i>	<i>6.23</i>	
23 05 29 00-0850 EA Clamp Size 1 1/4", Copper Standoff Brackets With Flange .....	24.79	11.05
<i>For Work In Restricted Working Space, Add</i>	<i>6.61</i>	
23 05 29 00-0851 EA Clamp Size 1 1/2", Copper Standoff Brackets With Flange .....	25.06	11.05
<i>For Work In Restricted Working Space, Add</i>	<i>6.61</i>	
<b>23 05 29 00-0852 Malleable Iron Eye Sockets (B-Line B-3222)</b> <small>(23 05 29 00-0815)</small>		
<i>Note: Type 16.</i>		
23 05 29 00-0853 EA 3/8" Rod Size, Malleable Iron Eye Socket .....	7.43	1.09
<i>For Work In Restricted Working Space, Add</i>	<i>0.66</i>	
23 05 29 00-0854 EA 1/2" Rod Size, Malleable Iron Eye Socket .....	9.46	1.45
<i>For Work In Restricted Working Space, Add</i>	<i>0.87</i>	
23 05 29 00-0855 EA 5/8" Rod Size, Malleable Iron Eye Socket .....	16.38	1.45
<i>For Work In Restricted Working Space, Add</i>	<i>0.88</i>	
23 05 29 00-0856 EA 3/4" Rod Size, Malleable Iron Eye Socket .....	23.18	1.45
<i>For Work In Restricted Working Space, Add</i>	<i>0.87</i>	
23 05 29 00-0857 EA 7/8" Rod Size, Malleable Iron Eye Socket .....	25.00	1.81
<i>For Work In Restricted Working Space, Add</i>	<i>1.09</i>	
<b>23 05 29 00-0858 Steel Weldless Eye Nuts (B-Line B-3200)</b> <small>(23 05 29 00-0815)</small>		
<i>Note: Type 17.</i>		
23 05 29 00-0859 EA 3/8" Rod Size, Steel Weldless Eye Nut.....	24.50	1.09
<i>For Work In Restricted Working Space, Add</i>	<i>0.66</i>	
23 05 29 00-0860 EA 1/2" Rod Size, Steel Weldless Eye Nut.....	25.20	1.45
<i>For Work In Restricted Working Space, Add</i>	<i>0.87</i>	
23 05 29 00-0861 EA 5/8" Rod Size, Steel Weldless Eye Nut.....	25.22	1.45
<i>For Work In Restricted Working Space, Add</i>	<i>0.88</i>	
23 05 29 00-0862 EA 3/4" Rod Size, Steel Weldless Eye Nut.....	25.20	1.45
<i>For Work In Restricted Working Space, Add</i>	<i>0.87</i>	
23 05 29 00-0863 EA 7/8" Rod Size, Steel Weldless Eye Nut.....	49.29	1.60
<i>For Work In Restricted Working Space, Add</i>	<i>0.98</i>	
23 05 29 00-0864 EA 1" Rod Size, Steel Weldless Eye Nut.....	49.65	1.81
<i>For Work In Restricted Working Space, Add</i>	<i>1.09</i>	
<b>23 05 29 00-0865 Top Mount I-Beam Clamps (B-Line B-3042)</b> <small>(23 05 29 00-0815)</small>		
<i>Note: For attaching threaded rod to either side of an I-beam.</i>		



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0866 EA 3/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	16.06 1.98	3.30
23 05 29 00-0867 EA 1/2" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	19.58 2.24	3.72
23 05 29 00-0868 EA 5/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	23.78 2.46	4.06
23 05 29 00-0869 EA 3/4" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	32.87 2.59	4.40
23 05 29 00-0870 EA 7/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	50.67 3.05	5.08
23 05 29 00-0871 EA 3/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	16.93 1.98	3.30
23 05 29 00-0872 EA 1/2" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	20.82 2.24	3.72
23 05 29 00-0873 EA 5/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	23.78 2.46	4.06
23 05 29 00-0874 EA 3/4" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	36.14 2.59	4.40
23 05 29 00-0875 EA 7/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	56.25 3.05	5.08
23 05 29 00-0876 EA 3/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	18.98 1.98	3.30
23 05 29 00-0877 EA 1/2" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	23.12 2.24	3.72
23 05 29 00-0878 EA 5/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	29.16 2.46	4.06
23 05 29 00-0879 EA 3/4" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	42.25 2.59	4.40
23 05 29 00-0880 EA 7/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp ..... <i>For Work In Restricted Working Space, Add</i>	68.20 3.05	5.08
<b>23 05 29 00-0881 Side Beam Brackets (B-Line B-3062) (23 05 29 00-0815)</b> Note: Type 34.		
23 05 29 00-0882 EA 3/8" Rod Size, Side Beam Bracket ..... <i>For Work In Restricted Working Space, Add</i>	12.66 2.66	4.61
23 05 29 00-0883 EA 1/2" Rod Size, Side Beam Bracket ..... <i>For Work In Restricted Working Space, Add</i>	15.36 2.91	4.73
23 05 29 00-0884 EA 5/8" Rod Size, Side Beam Bracket ..... <i>For Work In Restricted Working Space, Add</i>	20.03 3.11	5.09
23 05 29 00-0885 EA 3/4" Rod Size, Side Beam Bracket ..... <i>For Work In Restricted Working Space, Add</i>	36.14 3.36	5.45
23 05 29 00-0886 EA 7/8" Rod Size, Side Beam Bracket ..... <i>For Work In Restricted Working Space, Add</i>	42.38 3.64	6.18
<b>23 05 29 00-0887 Hex Lag Bolts (23 05 29 00-0815)</b> Note: Also known as coach screws.		
23 05 29 00-0888 EA 3/8" x 3-1/2" Long, Hex Lag Bolt ..... <i>For Work In Restricted Working Space, Add</i>	2.01 0.44	
23 05 29 00-0889 EA 3/8" x 4" Long, Hex Lag Bolt ..... <i>For Work In Restricted Working Space, Add</i>	2.08 0.46	
23 05 29 00-0890 EA 3/8" x 6" Long, Hex Lag Bolt ..... <i>For Work In Restricted Working Space, Add</i>	2.39 0.47	
23 05 29 00-0891 EA 3/8" x 8" Long, Hex Lag Bolt ..... <i>For Work In Restricted Working Space, Add</i>	2.96 0.49	
23 05 29 00-0892 EA 3/8" x 10" Long, Hex Lag Bolt ..... <i>For Work In Restricted Working Space, Add</i>	3.16 0.51	
23 05 29 00-0893 EA 3/8" x 12" Long, Hex Lag Bolt ..... <i>For Work In Restricted Working Space, Add</i>	3.93 0.53	
23 05 29 00-0894 EA 1/2" x 3-1/2" Long, Hex Lag Bolt ..... <i>For Work In Restricted Working Space, Add</i>	2.80 0.53	
23 05 29 00-0895 EA 1/2" x 4" Long, Hex Lag Bolt ..... <i>For Work In Restricted Working Space, Add</i>	2.92 0.55	
23 05 29 00-0896 EA 1/2" x 6" Long, Hex Lag Bolt ..... <i>For Work In Restricted Working Space, Add</i>	3.46 0.58	
23 05 29 00-0897 EA 1/2" x 8" Long, Hex Lag Bolt ..... <i>For Work In Restricted Working Space, Add</i>	4.10 0.61	
23 05 29 00-0898 EA 1/2" x 10" Long, Hex Lag Bolt ..... <i>For Work In Restricted Working Space, Add</i>	4.90 0.63	
23 05 29 00-0899 EA 1/2" x 12" Long, Hex Lag Bolt ..... <i>For Work In Restricted Working Space, Add</i>	5.28 0.67	
23 05 29 00-0900 EA 5/8" x 4" Long, Hex Lag Bolt ..... <i>For Work In Restricted Working Space, Add</i>	3.98 0.59	
23 05 29 00-0901 EA 3/4" x 5" Long, Hex Lag Bolt ..... <i>For Work In Restricted Working Space, Add</i>	4.72 0.61	
<b>23 05 29 00-0902 Fiberglass Beam Clamp (23 05 29 00-0815)</b>		
23 05 29 00-0903 EA Fiberglass Beam Clamp Assembly 3/8" (B-Line BFV751J).....	118.84	7.08
23 05 29 00-0904 EA Fiberglass Beam Clamp Assembly 1/2" (B-Line BFV751J).....	120.82	7.08
23 05 29 00-0905 EA Fiberglass Beam Clamp Assembly 5/8" (B-Line BFV751J).....	129.31	7.08



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 05 29 00-0906</b> <b>Stainless Steel Threaded Rod And Rod Accessories</b> (23 05 29 00-0649)		
<b>23 05 29 00-0907</b> <b>304 Stainless Steel Threaded Rod</b> (23 05 29 00-0906)		
23 05 29 00-0908    LF    1/4" Diameter, 304 Stainless Steel Threaded Rod ..... 2.26	2.26	0.36
<i>For Work In Restricted Working Space, Add</i>	0.22	
23 05 29 00-0909    LF    5/16" Diameter, 304 Stainless Steel Threaded Rod ..... 3.41	3.41	0.36
<i>For Work In Restricted Working Space, Add</i>	0.24	
23 05 29 00-0910    LF    3/8" Diameter, 304 Stainless Steel Threaded Rod ..... 4.33	4.33	0.43
<i>For Work In Restricted Working Space, Add</i>	0.25	
23 05 29 00-0911    LF    7/16" Diameter, 304 Stainless Steel Threaded Rod ..... 6.08	6.08	0.43
<i>For Work In Restricted Working Space, Add</i>	0.26	
23 05 29 00-0912    LF    1/2" Diameter, 304 Stainless Steel Threaded Rod ..... 7.32	7.32	0.43
<i>For Work In Restricted Working Space, Add</i>	0.27	
23 05 29 00-0913    LF    5/8" Diameter, 304 Stainless Steel Threaded Rod ..... 11.07	11.07	0.50
<i>For Work In Restricted Working Space, Add</i>	0.29	
23 05 29 00-0914    LF    3/4" Diameter, 304 Stainless Steel Threaded Rod ..... 15.56	15.56	0.50
<i>For Work In Restricted Working Space, Add</i>	0.30	
23 05 29 00-0915    LF    7/8" Diameter, 304 Stainless Steel Threaded Rod ..... 21.45	21.45	0.50
<i>For Work In Restricted Working Space, Add</i>	0.32	
23 05 29 00-0916    LF    1" Diameter, 304 Stainless Steel Threaded Rod ..... 27.52	27.52	0.58
<i>For Work In Restricted Working Space, Add</i>	0.36	
23 05 29 00-0917    LF    1-1/4" Diameter, 304 Stainless Steel Threaded Rod ..... 58.33	58.33	0.73
<i>For Work In Restricted Working Space, Add</i>	0.45	
<b>23 05 29 00-0918</b> <b>304 Stainless Steel Flat Washers</b> (23 05 29 00-0906)		
23 05 29 00-0919    EA    3/8", 304 Stainless Steel Flat Washer ..... 0.47	0.47	0.14
<i>For Work In Restricted Working Space, Add</i>	0.09	
23 05 29 00-0920    EA    1/2", 304 Stainless Steel Flat Washer ..... 0.94	0.94	0.14
<i>For Work In Restricted Working Space, Add</i>	0.10	
<b>23 05 29 00-0921</b> <b>304 Stainless Steel Hex Nuts</b> (23 05 29 00-0906)		
23 05 29 00-0922    EA    3/8-16, 304 Stainless Steel Hex Nut ..... 1.60	1.60	0.71
<i>For Work In Restricted Working Space, Add</i>	0.41	
23 05 29 00-0923    EA    1/2-13, 304 Stainless Steel Hex Nut ..... 2.13	2.13	0.73
<i>For Work In Restricted Working Space, Add</i>	0.45	
<b>23 05 29 00-0924</b> <b>316 Stainless Steel U-Bolts</b> (23 05 29 00-0906)		
Note: Type 24. Includes nuts.		
23 05 29 00-0925    EA    1/2" Pipe Size, 316 Stainless Steel U-Bolt ..... 16.31	16.31	3.54
<i>For Work In Restricted Working Space, Add</i>	2.12	
23 05 29 00-0926    EA    3/4" Pipe Size, 316 Stainless Steel U-Bolt ..... 16.86	16.86	3.75
<i>For Work In Restricted Working Space, Add</i>	2.24	
23 05 29 00-0927    EA    1" Pipe Size, 316 Stainless Steel U-Bolt ..... 17.54	17.54	3.96
<i>For Work In Restricted Working Space, Add</i>	2.36	
23 05 29 00-0928    EA    1-1/4" Pipe Size, 316 Stainless Steel U-Bolt ..... 18.29	18.29	4.18
<i>For Work In Restricted Working Space, Add</i>	2.50	
23 05 29 00-0929    EA    1-1/2" Pipe Size, 316 Stainless Steel U-Bolt ..... 19.11	19.11	4.39
<i>For Work In Restricted Working Space, Add</i>	2.66	
23 05 29 00-0930    EA    2" Pipe Size, 316 Stainless Steel U-Bolt ..... 23.67	23.67	4.75
<i>For Work In Restricted Working Space, Add</i>	2.83	
23 05 29 00-0931    EA    2-1/2" Pipe Size, 316 Stainless Steel U-Bolt ..... 25.34	25.34	5.03
<i>For Work In Restricted Working Space, Add</i>	3.04	
23 05 29 00-0932    EA    3" Pipe Size, 316 Stainless Steel U-Bolt ..... 27.18	27.18	5.45
<i>For Work In Restricted Working Space, Add</i>	3.27	
23 05 29 00-0933    EA    3-1/2" Pipe Size, 316 Stainless Steel U-Bolt ..... 28.54	28.54	5.66
<i>For Work In Restricted Working Space, Add</i>	3.40	
23 05 29 00-0934    EA    4" Pipe Size, 316 Stainless Steel U-Bolt ..... 30.12	30.12	5.88
<i>For Work In Restricted Working Space, Add</i>	3.54	
23 05 29 00-0935    EA    5" Pipe Size, 316 Stainless Steel U-Bolt ..... 52.49	52.49	6.09
<i>For Work In Restricted Working Space, Add</i>	3.64	
23 05 29 00-0936    EA    6" Pipe Size, 316 Stainless Steel U-Bolt ..... 87.26	87.26	6.16
<i>For Work In Restricted Working Space, Add</i>	3.71	
23 05 29 00-0937    EA    8" Pipe Size, 316 Stainless Steel U-Bolt ..... 130.41	130.41	6.30
<i>For Work In Restricted Working Space, Add</i>	3.80	
23 05 29 00-0938    EA    10" Pipe Size, 316 Stainless Steel U-Bolt ..... 185.98	185.98	6.51
<i>For Work In Restricted Working Space, Add</i>	3.91	
23 05 29 00-0939    EA    12" Pipe Size, 316 Stainless Steel U-Bolt ..... 287.73	287.73	6.72
<i>For Work In Restricted Working Space, Add</i>	4.02	
<b>23 05 29 00-0940</b> <b>Hanger Strap</b> (23 05 29 00-0649)		
23 05 29 00-0941    LF    3/4" Wide x 0.025" Thick Galvanized Hanger Strap ..... 3.42	3.42	
<b>23 05 29 00-0942</b> <b>Shields And Saddles</b> (23 05 29)		
<b>23 05 29 00-0943</b> <b>Insulation Protection Shield</b> (23 05 29 00-0942)		
Note: Type 40.		
<b>23 05 29 00-0944</b> <b>Insulation Protection Shield (Cooper B-Line B3151)</b> (23 05 29 00-0943)		

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0945 EA 1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	13.83	1.74
<i>For Work In Restricted Working Space, Add</i>	1.75	
23 05 29 00-0946 EA 2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	14.05	1.76
<i>For Work In Restricted Working Space, Add</i>	1.77	
23 05 29 00-0947 EA 2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	14.45	1.78
<i>For Work In Restricted Working Space, Add</i>	1.79	
23 05 29 00-0948 EA 3" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	15.30	1.81
<i>For Work In Restricted Working Space, Add</i>	1.81	
23 05 29 00-0949 EA 4" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	17.32	1.85
<i>For Work In Restricted Working Space, Add</i>	1.85	
23 05 29 00-0950 EA 6" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151).....	22.14	1.90
<i>For Work In Restricted Working Space, Add</i>	1.90	
23 05 29 00-0951 EA 8" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151).....	26.47	1.95
<i>For Work In Restricted Working Space, Add</i>	1.94	
23 05 29 00-0952 EA 10" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151).....	33.41	1.99
<i>For Work In Restricted Working Space, Add</i>	1.98	
23 05 29 00-0953 EA 12" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	44.39	2.01
<i>For Work In Restricted Working Space, Add</i>	2.01	
23 05 29 00-0954 EA 14" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	48.77	2.03
<i>For Work In Restricted Working Space, Add</i>	2.03	
23 05 29 00-0955 EA 16" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	69.16	2.05
<i>For Work In Restricted Working Space, Add</i>	2.05	
23 05 29 00-0956 EA 18" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	78.34	2.08
<i>For Work In Restricted Working Space, Add</i>	2.07	
23 05 29 00-0957 EA 20" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	150.10	2.10
<i>For Work In Restricted Working Space, Add</i>	2.09	
23 05 29 00-0958 EA 24" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	163.54	2.14
<i>For Work In Restricted Working Space, Add</i>	2.14	
23 05 29 00-0959 EA 30" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151).....	198.75	2.18
<i>For Work In Restricted Working Space, Add</i>	2.18	
<b>23 05 29 00-0960 Insulation Protection Shield (Cooper B-Line B3154) (23 05 29 00-0943)</b>		
23 05 29 00-0961 EA 1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	11.63	1.74
<i>For Work In Restricted Working Space, Add</i>	1.75	
23 05 29 00-0962 EA 2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	11.80	1.76
<i>For Work In Restricted Working Space, Add</i>	1.77	
23 05 29 00-0963 EA 2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	12.11	1.78
<i>For Work In Restricted Working Space, Add</i>	1.79	
23 05 29 00-0964 EA 3" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	12.75	1.81
<i>For Work In Restricted Working Space, Add</i>	1.81	
23 05 29 00-0965 EA 4" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	14.26	1.85
<i>For Work In Restricted Working Space, Add</i>	1.85	
23 05 29 00-0966 EA 6" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154).....	17.80	1.90
<i>For Work In Restricted Working Space, Add</i>	1.90	
23 05 29 00-0967 EA 8" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154).....	19.39	1.95
<i>For Work In Restricted Working Space, Add</i>	1.94	
23 05 29 00-0968 EA 10" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154).....	26.04	1.99
<i>For Work In Restricted Working Space, Add</i>	1.98	
23 05 29 00-0969 EA 12" Outside Diameter, 14 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154).....	32.29	2.01
<i>For Work In Restricted Working Space, Add</i>	2.01	
<b>23 05 29 00-0970 Pipe Covering Protection Saddle (23 05 29 00-0942)</b>		
Note: Sizes are pipe sizes.		
<b>23 05 29 00-0971 Saddle, For 1" Insulation (Cooper B-Line B3160) (23 05 29 00-0970)</b>		
23 05 29 00-0972 EA 3/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	21.99	2.40
<i>For Work In Restricted Working Space, Add</i>	2.40	
23 05 29 00-0973 EA 1" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	22.06	2.42
<i>For Work In Restricted Working Space, Add</i>	2.42	
23 05 29 00-0974 EA 1-1/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	22.12	2.44
<i>For Work In Restricted Working Space, Add</i>	2.44	
23 05 29 00-0975 EA 1-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	23.44	2.48
<i>For Work In Restricted Working Space, Add</i>	2.48	
23 05 29 00-0976 EA 2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	23.51	2.50
<i>For Work In Restricted Working Space, Add</i>	2.50	
23 05 29 00-0977 EA 2-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	24.41	2.54
<i>For Work In Restricted Working Space, Add</i>	2.54	
23 05 29 00-0978 EA 3" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	27.85	2.58
<i>For Work In Restricted Working Space, Add</i>	2.58	
23 05 29 00-0979 EA 4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	32.06	2.62
<i>For Work In Restricted Working Space, Add</i>	2.62	
23 05 29 00-0980 EA 6" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	36.76	2.70
<i>For Work In Restricted Working Space, Add</i>	2.70	
23 05 29 00-0981 EA 8" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	46.15	2.81
<i>For Work In Restricted Working Space, Add</i>	2.81	
23 05 29 00-0982 EA 10" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	52.42	2.85
<i>For Work In Restricted Working Space, Add</i>	2.84	
23 05 29 00-0983 EA 12" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	63.48	2.85
<i>For Work In Restricted Working Space, Add</i>	2.90	
23 05 29 00-0984 EA 14" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160).....	69.97	2.95
<i>For Work In Restricted Working Space, Add</i>	2.95	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 05 29 00-0985 Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) (23 05 29 00-0970)</b>						
23 05 29 00-0986	EA			3/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	25.71 2.40	2.40
23 05 29 00-0987	EA			1" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	25.78 2.42	2.42
23 05 29 00-0988	EA			1-1/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	25.84 2.44	2.44
23 05 29 00-0989	EA			1-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	26.92 2.48	2.48
23 05 29 00-0990	EA			2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	29.57 2.50	2.50
23 05 29 00-0991	EA			2-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	32.30 2.54	2.54
23 05 29 00-0992	EA			3" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	32.85 2.58	2.58
23 05 29 00-0993	EA			4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	38.21 2.62	2.58
23 05 29 00-0994	EA			6" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	43.72 2.70	2.70
23 05 29 00-0995	EA			8" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	52.98 2.81	2.81
23 05 29 00-0996	EA			10" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	60.49 2.84	2.85
23 05 29 00-0997	EA			12" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	73.44 2.90	2.91
23 05 29 00-0998	EA			14" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	81.14 2.95	2.95
<b>23 05 29 00-0999 Saddle, For 2" Insulation (Cooper B-Line B3162) (23 05 29 00-0970)</b>						
23 05 29 00-1000	EA			3/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) ..... <i>For Work In Restricted Working Space, Add</i>	27.66 2.52	2.52
23 05 29 00-1001	EA			1" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) ..... <i>For Work In Restricted Working Space, Add</i>	27.73 2.54	2.54
23 05 29 00-1002	EA			1-1/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) ..... <i>For Work In Restricted Working Space, Add</i>	29.53 2.56	2.56
23 05 29 00-1003	EA			1-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) ..... <i>For Work In Restricted Working Space, Add</i>	30.54 2.60	2.60
23 05 29 00-1004	EA			2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) ..... <i>For Work In Restricted Working Space, Add</i>	31.47 2.62	2.62
23 05 29 00-1005	EA			2-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) ..... <i>For Work In Restricted Working Space, Add</i>	31.61 2.66	2.66
23 05 29 00-1006	EA			3" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) ..... <i>For Work In Restricted Working Space, Add</i>	33.76 2.70	2.70
23 05 29 00-1007	EA			4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) ..... <i>For Work In Restricted Working Space, Add</i>	35.89 2.74	2.74
23 05 29 00-1008	EA			6" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) ..... <i>For Work In Restricted Working Space, Add</i>	47.76 2.84	2.84
23 05 29 00-1009	EA			8" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) ..... <i>For Work In Restricted Working Space, Add</i>	55.00 2.95	2.95
23 05 29 00-1010	EA			10" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) ..... <i>For Work In Restricted Working Space, Add</i>	58.07 2.99	2.99
23 05 29 00-1011	EA			12" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) ..... <i>For Work In Restricted Working Space, Add</i>	81.38 3.05	3.05
23 05 29 00-1012	EA			14" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) ..... <i>For Work In Restricted Working Space, Add</i>	90.99 3.09	3.09
23 05 29 00-1013	EA			16" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) ..... <i>For Work In Restricted Working Space, Add</i>	100.76 3.17	3.17
23 05 29 00-1014	EA			18" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) ..... <i>For Work In Restricted Working Space, Add</i>	110.52 3.25	3.25
23 05 29 00-1015	EA			20" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) ..... <i>For Work In Restricted Working Space, Add</i>	121.92 3.33	3.34
23 05 29 00-1016	EA			24" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) ..... <i>For Work In Restricted Working Space, Add</i>	140.87 3.41	3.41
<b>23 05 29 00-1017 Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) (23 05 29 00-0970)</b>						
23 05 29 00-1018	EA			1-1/4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) ..... <i>For Work In Restricted Working Space, Add</i>	31.60 2.62	2.62
23 05 29 00-1019	EA			1-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) ..... <i>For Work In Restricted Working Space, Add</i>	33.69 2.66	2.66
23 05 29 00-1020	EA			2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) ..... <i>For Work In Restricted Working Space, Add</i>	34.75 2.68	2.68
23 05 29 00-1021	EA			2-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) ..... <i>For Work In Restricted Working Space, Add</i>	35.85 2.72	2.72
23 05 29 00-1022	EA			3" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) ..... <i>For Work In Restricted Working Space, Add</i>	36.05 2.78	2.78
23 05 29 00-1023	EA			4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) ..... <i>For Work In Restricted Working Space, Add</i>	43.20 2.82	2.82
23 05 29 00-1024	EA			6" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) ..... <i>For Work In Restricted Working Space, Add</i>	50.49 2.90	2.91
23 05 29 00-1025	EA			8" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) ..... <i>For Work In Restricted Working Space, Add</i>	60.00 3.01	3.01

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1026 EA 10" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	64.80	3.06
<i>For Work In Restricted Working Space, Add</i>	3.07	
23 05 29 00-1027 EA 12" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	83.48	3.12
<i>For Work In Restricted Working Space, Add</i>	3.13	
23 05 29 00-1028 EA 14" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	100.84	3.17
<i>For Work In Restricted Working Space, Add</i>	3.17	
23 05 29 00-1029 EA 16" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	118.35	3.24
<i>For Work In Restricted Working Space, Add</i>	3.25	
23 05 29 00-1030 EA 18" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	126.10	3.33
<i>For Work In Restricted Working Space, Add</i>	3.33	
23 05 29 00-1031 EA 20" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	134.77	3.41
<i>For Work In Restricted Working Space, Add</i>	3.41	
23 05 29 00-1032 EA 24" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163).....	143.44	3.49
<i>For Work In Restricted Working Space, Add</i>	3.50	
<b>23 05 29 00-1033 Saddle, For 3" Insulation (Cooper B-Line B3164) (23 05 29 00-0970)</b>		
23 05 29 00-1034 EA 2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	36.03	2.74
<i>For Work In Restricted Working Space, Add</i>	2.74	
23 05 29 00-1035 EA 2-1/2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) .....	39.95	2.80
<i>For Work In Restricted Working Space, Add</i>	2.81	
23 05 29 00-1036 EA 3" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	41.93	2.84
<i>For Work In Restricted Working Space, Add</i>	2.84	
23 05 29 00-1037 EA 4" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	43.90	2.89
<i>For Work In Restricted Working Space, Add</i>	2.88	
23 05 29 00-1038 EA 6" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	51.59	2.97
<i>For Work In Restricted Working Space, Add</i>	2.97	
23 05 29 00-1039 EA 8" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	66.80	3.08
<i>For Work In Restricted Working Space, Add</i>	3.09	
23 05 29 00-1040 EA 10" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	73.12	3.13
<i>For Work In Restricted Working Space, Add</i>	3.13	
23 05 29 00-1041 EA 12" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	98.11	3.19
<i>For Work In Restricted Working Space, Add</i>	3.19	
23 05 29 00-1042 EA 14" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	119.02	3.24
<i>For Work In Restricted Working Space, Add</i>	3.25	
23 05 29 00-1043 EA 16" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	139.93	3.32
<i>For Work In Restricted Working Space, Add</i>	3.31	
23 05 29 00-1044 EA 18" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	142.49	3.41
<i>For Work In Restricted Working Space, Add</i>	3.41	
23 05 29 00-1045 EA 20" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	144.99	3.49
<i>For Work In Restricted Working Space, Add</i>	3.50	
23 05 29 00-1046 EA 24" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164).....	186.94	3.57
<i>For Work In Restricted Working Space, Add</i>	3.58	
<b>23 05 29 00-1047 Saddle, For 4" Insulation (Cooper B-Line B3165) (23 05 29 00-0970)</b>		
23 05 29 00-1048 EA 2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	41.62	2.81
<i>For Work In Restricted Working Space, Add</i>	2.81	
23 05 29 00-1049 EA 2-1/2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) .....	46.26	2.86
<i>For Work In Restricted Working Space, Add</i>	2.87	
23 05 29 00-1050 EA 3" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	48.61	2.91
<i>For Work In Restricted Working Space, Add</i>	2.90	
23 05 29 00-1051 EA 4" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	51.09	2.95
<i>For Work In Restricted Working Space, Add</i>	2.95	
23 05 29 00-1052 EA 6" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	64.22	3.04
<i>For Work In Restricted Working Space, Add</i>	3.05	
23 05 29 00-1053 EA 8" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	77.34	3.15
<i>For Work In Restricted Working Space, Add</i>	3.15	
23 05 29 00-1054 EA 10" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	80.11	3.20
<i>For Work In Restricted Working Space, Add</i>	3.21	
23 05 29 00-1055 EA 12" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	105.27	3.27
<i>For Work In Restricted Working Space, Add</i>	3.27	
23 05 29 00-1056 EA 14" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	130.05	3.32
<i>For Work In Restricted Working Space, Add</i>	3.31	
23 05 29 00-1057 EA 16" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	154.96	3.40
<i>For Work In Restricted Working Space, Add</i>	3.39	
23 05 29 00-1058 EA 18" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	191.85	3.48
<i>For Work In Restricted Working Space, Add</i>	3.47	
23 05 29 00-1059 EA 20" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	228.49	3.57
<i>For Work In Restricted Working Space, Add</i>	3.58	
23 05 29 00-1060 EA 24" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	245.01	3.65
<i>For Work In Restricted Working Space, Add</i>	3.66	
23 05 29 00-1061 EA 30" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	258.16	3.75
<i>For Work In Restricted Working Space, Add</i>	3.76	
23 05 29 00-1062 EA 36" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165).....	267.86	3.85
<i>For Work In Restricted Working Space, Add</i>	3.84	
<b>23 05 29 00-1063 Adjustable Pipe Saddle Support (Cooper B-Line B3096) (23 05 29 00-0942)</b>		
23 05 29 00-1064 EA 2" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	96.83	9.09
23 05 29 00-1065 EA 3" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	101.27	10.54
23 05 29 00-1066 EA 4" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	123.97	12.00
23 05 29 00-1067 EA 5" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	128.46	13.08



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				23 05 29 00-1068 EA 6" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	142.49	14.55
				23 05 29 00-1069 EA 8" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	159.06	18.18
				23 05 29 00-1070 EA 10" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	207.18	24.35
				23 05 29 00-1071 EA 12" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	244.56	36.35
<b>23 05 29 00-1072</b>				<b>Pipe Stanchion Support (Cooper B-Line B3090) <small>(23 05 29 00-0942)</small></b>		
				23 05 29 00-1073 EA 2-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	123.70	9.09
				23 05 29 00-1074 EA 3" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	126.30	10.54
				23 05 29 00-1075 EA 3-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	135.08	11.27
				23 05 29 00-1076 EA 4" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	136.77	12.00
				23 05 29 00-1077 EA 5" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	143.19	13.08
				23 05 29 00-1078 EA 6" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	150.60	14.55
				23 05 29 00-1079 EA 8" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	191.76	18.18
				23 05 29 00-1080 EA 10" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	259.22	24.35
				23 05 29 00-1081 EA 12" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	330.70	36.35
<b>23 05 29 00-1082</b>				<b>Pipe Saddle Support (Cooper B-Line B3095) <small>(23 05 29 00-0942)</small></b>		
				23 05 29 00-1083 EA 2-1/2" Pipe Saddle Support (Cooper B-Line B3095) .....	55.58	9.09
				23 05 29 00-1084 EA 3" Pipe Saddle Support (Cooper B-Line B3095) .....	58.18	10.54
				23 05 29 00-1085 EA 3-1/2" Pipe Saddle Support (Cooper B-Line B3095) .....	95.58	11.27
				23 05 29 00-1086 EA 4" Pipe Saddle Support (Cooper B-Line B3095) .....	97.27	12.00
				23 05 29 00-1087 EA 5" Pipe Saddle Support (Cooper B-Line B3095) .....	107.37	13.08
				23 05 29 00-1088 EA 6" Pipe Saddle Support (Cooper B-Line B3095) .....	118.95	14.55
				23 05 29 00-1089 EA 8" Pipe Saddle Support (Cooper B-Line B3095) .....	133.76	18.18
				23 05 29 00-1090 EA 10" Pipe Saddle Support (Cooper B-Line B3095) .....	150.62	24.35
				23 05 29 00-1091 EA 12" Pipe Saddle Support (Cooper B-Line B3095) .....	179.99	36.35
<b>23 05 29 00-1092</b>				<b>360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate <small>(23 05 29 00-0942)</small></b>		
				Note: Insert is for use as isolated protective insulation at hangers.		
<b>23 05 29 00-1093</b>				<b>1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate <small>(23 05 29 00-1092)</small></b>		
				23 05 29 00-1094 EA 1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	9.55	4.03
				23 05 29 00-1095 EA 3/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	9.78	4.03
				23 05 29 00-1096 EA 1" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	9.84	4.03
				23 05 29 00-1097 EA 1-1/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	10.07	4.03
				23 05 29 00-1098 EA 1-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	10.77	4.28
				23 05 29 00-1099 EA 2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	11.28	4.40
				23 05 29 00-1100 EA 2-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	11.88	4.59
				23 05 29 00-1101 EA 3" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	12.54	4.77
				23 05 29 00-1102 EA 4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	13.81	4.96
				23 05 29 00-1103 EA 6" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	15.45	4.28
				23 05 29 00-1104 EA 8" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	24.53	5.58
				23 05 29 00-1105 EA 10" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	29.03	6.57
				23 05 29 00-1106 EA 12" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	32.99	7.63
				23 05 29 00-1107 EA 14" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	37.65	7.87
<b>23 05 29 00-1108</b>				<b>1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate <small>(23 05 29 00-1092)</small></b>		
				23 05 29 00-1109 EA 1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	8.49	3.04
				23 05 29 00-1110 EA 3/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	9.64	3.04
				23 05 29 00-1111 EA 1" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	9.87	3.10
				23 05 29 00-1112 EA 1-1/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	10.26	3.16
				23 05 29 00-1113 EA 1-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	10.62	3.16
				23 05 29 00-1114 EA 2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	11.24	3.29
				23 05 29 00-1115 EA 2-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	11.92	3.41
				23 05 29 00-1116 EA 3" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	12.25	3.47
				23 05 29 00-1117 EA 4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	13.57	3.78
				23 05 29 00-1118 EA 6" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	19.48	6.51
				23 05 29 00-1119 EA 8" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	18.45	4.89
				23 05 29 00-1120 EA 10" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	22.46	5.76
				23 05 29 00-1121 EA 12" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	25.43	6.63
				23 05 29 00-1122 EA 14" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	29.92	8.00
<b>23 05 29 00-1123</b>				<b>2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate <small>(23 05 29 00-1092)</small></b>		
				23 05 29 00-1124 EA 1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	12.38	3.47
				23 05 29 00-1125 EA 3/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	12.57	3.47
				23 05 29 00-1126 EA 1" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	13.06	3.53
				23 05 29 00-1127 EA 1-1/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	13.48	3.59
				23 05 29 00-1128 EA 1-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	13.93	3.65
				23 05 29 00-1129 EA 2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	14.47	3.78
				23 05 29 00-1130 EA 2-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	15.29	3.90
				23 05 29 00-1131 EA 3" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	16.06	4.03

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1132 EA 4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	17.83	4.28
23 05 29 00-1133 EA 6" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	20.42	4.83
23 05 29 00-1134 EA 8" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	31.13	8.24
23 05 29 00-1135 EA 10" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	33.67	9.54
23 05 29 00-1136 EA 12" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	38.65	11.28
23 05 29 00-1137 EA 14" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	43.33	12.64
23 05 29 00-1138 EA 16" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	48.30	14.26
23 05 29 00-1139 EA 18" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	55.03	16.74
23 05 29 00-1140 EA 20" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	61.10	18.59
23 05 29 00-1141 EA 24" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	68.98	21.08
<b>23 05 29 00-1142 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-1092)</b>		
23 05 29 00-1143 EA 1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	14.17	4.03
23 05 29 00-1144 EA 3/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	14.38	4.03
23 05 29 00-1145 EA 1" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	14.96	4.10
23 05 29 00-1146 EA 1-1/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	15.41	4.16
23 05 29 00-1147 EA 1-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	15.86	4.16
23 05 29 00-1148 EA 2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	16.53	4.34
23 05 29 00-1149 EA 2-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	17.46	4.46
23 05 29 00-1150 EA 3" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	18.33	4.65
23 05 29 00-1151 EA 4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	20.32	4.89
23 05 29 00-1152 EA 6" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	23.30	5.58
23 05 29 00-1153 EA 8" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	31.35	6.19
23 05 29 00-1154 EA 10" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	37.49	7.13
23 05 29 00-1155 EA 12" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	42.47	8.87
23 05 29 00-1156 EA 14" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	48.09	9.74
23 05 29 00-1157 EA 16" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	56.40	12.40
23 05 29 00-1158 EA 18" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	60.71	13.02
23 05 29 00-1159 EA 20" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	68.88	14.88
23 05 29 00-1160 EA 24" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	80.93	17.98
<b>23 05 29 00-1161 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-1092)</b>		
23 05 29 00-1162 EA 1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	27.19	4.16
23 05 29 00-1163 EA 3/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	32.36	4.34
23 05 29 00-1164 EA 1" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	33.67	4.34
23 05 29 00-1165 EA 1-1/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	34.49	4.46
23 05 29 00-1166 EA 1-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	35.46	4.59
23 05 29 00-1167 EA 2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	36.57	4.65
23 05 29 00-1168 EA 2-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	38.50	4.77
23 05 29 00-1169 EA 3" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	40.19	5.08
23 05 29 00-1170 EA 4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	44.34	5.27
23 05 29 00-1171 EA 6" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	50.73	6.45
23 05 29 00-1172 EA 8" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	65.79	7.06
23 05 29 00-1173 EA 10" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	78.28	7.44
23 05 29 00-1174 EA 12" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	89.77	9.60
23 05 29 00-1175 EA 14" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	101.12	10.23
23 05 29 00-1176 EA 16" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	120.94	13.64
23 05 29 00-1177 EA 18" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	130.19	14.88
23 05 29 00-1178 EA 20" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	147.45	16.11
23 05 29 00-1179 EA 24" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	173.22	19.84
<b>23 05 29 00-1180 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate (23 05 29 00-1092)</b>		
23 05 29 00-1181 EA 1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	14.17	4.03
23 05 29 00-1182 EA 3/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	17.10	4.89
23 05 29 00-1183 EA 1" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	17.98	4.89
23 05 29 00-1184 EA 1-1/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	18.48	4.96
23 05 29 00-1185 EA 1-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	19.09	5.02
23 05 29 00-1186 EA 2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	19.79	5.21
23 05 29 00-1187 EA 2-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	20.95	5.40
23 05 29 00-1188 EA 3" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	21.90	5.58
23 05 29 00-1189 EA 4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	24.39	5.89
23 05 29 00-1190 EA 6" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	27.95	6.70
23 05 29 00-1191 EA 8" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	37.59	7.44
23 05 29 00-1192 EA 10" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	44.98	8.56
23 05 29 00-1193 EA 12" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	50.96	10.66
23 05 29 00-1194 EA 14" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	57.71	11.65
23 05 29 00-1195 EA 16" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	67.69	14.88
23 05 29 00-1196 EA 18" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	72.86	15.62
23 05 29 00-1197 EA 20" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	82.71	17.85
23 05 29 00-1198 EA 24" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate .....	97.13	21.57



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1199				<b>4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate</b> <small>(23 05 29 00-1092)</small>		
23 05 29 00-1200	EA			1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.10	5.46
23 05 29 00-1201	EA			3/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.39	5.46
23 05 29 00-1202	EA			1" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	20.19	5.52
23 05 29 00-1203	EA			1-1/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	20.83	5.58
23 05 29 00-1204	EA			1-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	21.36	5.58
23 05 29 00-1205	EA			2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	22.51	5.95
23 05 29 00-1206	EA			2-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.55	6.01
23 05 29 00-1207	EA			3" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.74	6.27
23 05 29 00-1208	EA			4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	27.43	6.63
23 05 29 00-1209	EA			6" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	31.43	7.50
23 05 29 00-1210	EA			8" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	41.82	8.12
23 05 29 00-1211	EA			10" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	50.61	9.67
23 05 29 00-1212	EA			12" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	57.34	12.03
23 05 29 00-1213	EA			14" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	64.94	13.08
23 05 29 00-1214	EA			16" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	76.20	16.74
23 05 29 00-1215	EA			18" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	81.93	17.55
23 05 29 00-1216	EA			20" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	91.82	20.09
23 05 29 00-1217	EA			24" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	109.29	24.30
23 05 29 00-1218	EA			26" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	124.02	28.57
23 05 29 00-1219	EA			28" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	140.29	33.72
23 05 29 00-1220	EA			30" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	157.58	39.86
23 05 29 00-1221	EA			42" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	222.26	61.55
23 05 29 00-1222	EA			44" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	238.41	67.75
23 05 29 00-1223	EA			46" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	253.34	73.15
23 05 29 00-1224				<b>Equipment Housekeeping Pads</b> <small>(23 05 29)</small> See CSI section 03 31 13 00-0091 for Concrete Equipment Pads.		
23 05 29 00-1225				<b>Molded Plastic Condenser Pad</b> <small>(23 05 29 00-1224)</small>		
23 05 29 00-1226	EA			30" Round Molded Plastic Pad.....	62.11	8.85
23 05 29 00-1227	EA			30" Octagon Molded Plastic Pad.....	65.03	8.85
23 05 29 00-1228	EA			30" x 30" Molded Plastic Pad.....	62.11	8.85
23 05 29 00-1229	EA			36" x 36" Molded Plastic Pad.....	79.61	8.85
23 05 29 00-1230	EA			36" x 48" Molded Plastic Pad.....	112.35	8.85
23 05 29 00-1231				<b>Inertia Base</b> <small>(23 05 29 00-1224)</small> Note: Includes spring isolators.		
23 05 29 00-1232	EA			Up To 12 SF Inertia Base, 8" Thick With Spring Base.....	1,062.57	
23 05 29 00-1233	EA			>12 To 16 SF Inertia Base, 8" Thick With Spring Base.....	1,283.18	
23 05 29 00-1234	EA			>16 To 20 SF Inertia Base, 8" Thick With Spring Base.....	1,469.74	
23 05 29 00-1235	EA			>20 To 24 SF Inertia Base, 8" Thick With Spring Base.....	1,679.00	
23 05 29 00-1236				<b>Hanger Assemblies</b> <small>(23 05 29)</small> Note: Includes hanger, rod, nuts, washers, clamps, upper attachment, etc. Not for use where detail is available.		
23 05 29 00-1237	EA			1/2" Standard Duty Clevis Pipe Hanger Assembly.....	33.46	11.01
				Note: Includes hanger, rod, nuts, washers and clamp.		
				For Work In Restricted Working Space, Add	7.09	
23 05 29 00-1238	EA			3/4" Standard Duty Clevis Pipe Hanger Assembly.....	34.76	11.67
				Note: Includes hanger, rod, nuts, washers and clamp.		
				For Work In Restricted Working Space, Add	7.48	
23 05 29 00-1239	EA			1" Standard Duty Clevis Pipe Hanger Assembly.....	35.82	12.34
				Note: Includes hanger, rod, nuts, washers and clamp.		
				For Work In Restricted Working Space, Add	7.77	
23 05 29 00-1240	EA			1-1/4" Standard Duty Clevis Pipe Hanger Assembly.....	36.57	12.36
				Note: Includes hanger, rod, nuts, washers and clamp.		
				For Work In Restricted Working Space, Add	7.89	
23 05 29 00-1241	EA			1-1/2" Standard Duty Clevis Pipe Hanger Assembly.....	36.88	12.36
				Note: Includes hanger, rod, nuts, washers and clamp.		
				For Work In Restricted Working Space, Add	7.89	
23 05 29 00-1242	EA			2" Standard Duty Clevis Pipe Hanger Assembly.....	37.87	12.46
				Note: Includes hanger, rod, nuts, washers and clamp.		
				For Work In Restricted Working Space, Add	8.00	
23 05 29 00-1243	EA			2-1/2" Standard Duty Clevis Pipe Hanger Assembly.....	43.21	12.14
				Note: Includes hanger, rod, nuts, washers and clamp.		
				For Work In Restricted Working Space, Add	7.42	
23 05 29 00-1244	EA			3" Standard Duty Clevis Pipe Hanger Assembly.....	45.12	12.49
				Note: Includes hanger, rod, nuts, washers and clamp.		
				For Work In Restricted Working Space, Add	7.54	
23 05 29 00-1245	EA			4" Standard Duty Clevis Pipe Hanger Assembly.....	55.57	14.10
				Note: Includes hanger, rod, nuts, washers and clamp.		
				For Work In Restricted Working Space, Add	8.32	
23 05 29 00-1246	EA			6" Standard Duty Clevis Pipe Hanger Assembly.....	84.84	18.22
				Note: Includes hanger, rod, nuts, washers and clamp.		
				For Work In Restricted Working Space, Add	10.93	
23 05 29 00-1247	EA			8" Standard Duty Clevis Pipe Hanger Assembly.....	100.82	21.14
				Note: Includes hanger, rod, nuts, washers and clamp.		
				For Work In Restricted Working Space, Add	12.68	



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 29 Hangers And Supports For HVAC Piping And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1248 EA 10" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	143.64 15.91	26.85
23 05 29 00-1249 EA 12" Standard Duty Clevis Pipe Hanger Assembly..... Note: Includes hanger, rod, nuts, washers and clamp. <i>For Work In Restricted Working Space, Add</i>	160.33 17.37	28.89
<b>23 05 29 00-1250 Steel Shapes For Hanger Devices (23 05 29)</b>		
<b>23 05 29 00-1251 Angle Iron For Hanger Devices (23 05 29 00-1250)</b>		
23 05 29 00-1252 LF 1/2" x 1/2" x 1/8" Angle Iron For Hanger Devices .....	1.81	1.06
23 05 29 00-1253 LF 3/4" x 3/4" x 1/8" Angle Iron For Hanger Devices .....	2.40	1.32
23 05 29 00-1254 LF 1" x 1" x 1/8" Angle Iron For Hanger Devices .....	2.97	1.58
23 05 29 00-1255 LF 1-1/4" x 1-1/4" x 3/16" Angle Iron For Hanger Devices.....	4.20	1.97
23 05 29 00-1256 LF 1-1/2" x 1-1/2" x 3/16" Angle Iron For Hanger Devices.....	4.74	2.11
23 05 29 00-1257 LF 2" x 2" x 1/4" Angle Iron For Hanger Devices .....	6.59	2.37
23 05 29 00-1258 LF 2-1/2" x 2-1/2" x 1/4" Angle Iron For Hanger Devices.....	8.23	2.88
23 05 29 00-1259 LF 3" x 2" x 3/8" Angle Iron For Hanger Devices .....	10.84	3.39
23 05 29 00-1260 LF 3" x 3" x 3/8" Angle Iron For Hanger Devices .....	12.99	3.95
<b>23 05 29 00-1261 Channels For Hanger Devices (23 05 29 00-1250)</b>		
23 05 29 00-1262 LF C2 X 1.78 - 2" Wide (Channels) For Hanger Devices .....	4.99	2.33
23 05 29 00-1263 LF C3 X 4.1 - 3" Wide (Channels) For Hanger Devices .....	8.86	3.35
23 05 29 00-1264 LF C4 X 5.4 - 4" Wide (Channels) For Hanger Devices .....	11.16	4.01
23 05 29 00-1265 LF C5 X 6.7 - 5" Wide (Channels) For Hanger Devices .....	13.44	4.69
23 05 29 00-1266 LF C6 X 8.2 - 6" Wide (Channels) For Hanger Devices .....	16.30	5.63
23 05 29 00-1267 LF C7 X 9.8 - 7" Wide (Channels) For Hanger Devices .....	19.45	6.70
23 05 29 00-1268 LF C8 X 11.5 - 8" Wide (Channels) For Hanger Devices .....	22.17	7.37
<b>23 05 29 00-1269 Structural Bar Tees For Hanger Devices (23 05 29 00-1250)</b>		
23 05 29 00-1270 LF 3/4" x 3/4" x 1/8" Structural Bar Tee For Hanger Devices.....	5.15	3.28
23 05 29 00-1271 LF 1" x 1" x 1/8" Structural Bar Tee For Hanger Devices.....	6.21	3.87
23 05 29 00-1272 LF 1-1/2" x 1-1/2" x 1/4" Structural Bar Tee For Hanger Devices .....	9.43	4.46
23 05 29 00-1273 LF 2" x 2" x 1/4" Structural Bar Tee For Hanger Devices.....	12.16	5.95
23 05 29 00-1274 LF 2-1/2" x 2-1/2" x 3/8" Structural Bar Tee For Hanger Devices .....	17.13	7.15
23 05 29 00-1275 LF 3" x 3" x 3/8" Structural Bar Tee For Hanger Devices.....	21.40	9.23
<b>23 05 29 00-1276 Structural Zees For Hanger Devices (23 05 29 00-1250)</b>		
23 05 29 00-1277 LF 1-1/4" x 1-3/4" x 1-3/4" Structural Zee For Hanger Devices.....	9.44	4.46
23 05 29 00-1278 LF 2-1/16" x 3" x 2-11/16" Structural Zee For Hanger Devices.....	11.85	4.46
23 05 29 00-1279 LF 3-1/16" x 4" x 3-1/16" Structural Zee For Hanger Devices.....	17.68	4.46
23 05 29 00-1280 LF 3-1/4" x 5" x 3-1/4" Structural Zee For Hanger Devices.....	22.74	4.46
23 05 29 00-1281 LF 3-1/2" x 6" x 3-1/2" Structural Zee For Hanger Devices.....	28.22	4.46
<b>23 05 29 00-1282 Junior I-beams For Hanger Devices (23 05 29 00-1250)</b>		
23 05 29 00-1283 LF 3" I-beam (Junior) For Hanger Devices.....	11.30	6.55
23 05 29 00-1284 LF 4" I-beam (Junior) For Hanger Devices.....	13.18	7.15
23 05 29 00-1285 LF 5" I-beam (Junior) For Hanger Devices.....	15.46	7.74
23 05 29 00-1286 LF 6" I-beam (Junior) For Hanger Devices.....	16.94	8.63
23 05 29 00-1287 LF 7" I-beam (Junior) For Hanger Devices.....	20.64	9.23
23 05 29 00-1288 LF 8" I-beam (Junior) For Hanger Devices.....	22.41	9.83
<b>23 05 33 Heat Tracing For HVAC Piping (23 05)</b>		
See CSI section 23 83 13 00-0000 for heat tracing cables.		
<b>23 05 48 Vibration and Seismic Controls for HVAC (23 05)</b>		
<b>23 05 48 13 Vibration Controls for HVAC (23 05 48)</b>		
<b>23 05 48 13-0001 Unhoused Stable Steel Spring Isolators (23 05 48 13)</b>		
Note: Includes leveling adjustment, cast top, base plate and pad. For use with floor mounted equipment only.		
23 05 48 13-0002 EA 60 LB Unhoused Steel Spring Isolator.....	97.92	19.82
23 05 48 13-0003 EA 115 LB Unhoused Steel Spring Isolator.....	107.30	19.82
23 05 48 13-0004 EA 1,130 LB Unhoused Steel Spring Isolator .....	138.41	19.82
<b>23 05 48 13-0005 Vibration Isolators (23 05 48 13)</b>		
<b>23 05 48 13-0006 Spring And Rubber Hanger For 1" Deflection (23 05 48 13-0005)</b>		
23 05 48 13-0007 EA 50-500 LB Rated Spring And Rubber Hanger For Vibration Isolation With 3/4" Max Rod Size .....	163.90	13.08
23 05 48 13-0008 EA 600-1,000 LB Rated Spring And Rubber Hanger For Vibration Isolation With 7/8" Max Rod Size .....	376.26	14.55
<b>23 05 48 13-0009 Rubber-In-Shear Isolator Hanger (23 05 48 13-0005)</b>		
23 05 48 13-0010 EA 45-340 LB Rubber In Shear Hanger 0.38" Deflection With <1/2" Rod Size .....	82.21	10.91



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0011 EA 130-700 LB Rubber In Shear Hanger 0.43" Deflection With <3/4" Rod Size .....	109.18	13.08
<b>23 05 48 13-0012 Spring Hanger For 1" Deflection</b> <small>(23 05 48 13-0005)</small>		
23 05 48 13-0013 EA 50 To 1,000 LB Rubber In Shear Hanger For 1" Deflection With <3/4" Rod Size .....	91.57	13.08
23 05 48 13-0014 EA 2" x 5/8" x 3-3/8" Isolation Spring Hanger (SHE Type), 25-350 LB.....	65.89	13.08
23 05 48 13-0015 EA 2" x 5/8" x 3-3/8" Isolation Spring Hanger (SHE Type), 350-600 LB.....	93.36	13.08
23 05 48 13-0016 EA 2" x 3/4" x 4-5/8" Isolation Spring Hanger (SHE Type), 45-900 LB.....	101.75	13.08
23 05 48 13-0017 EA 2" x 3/4" x 4-5/8" Isolation Spring Hanger (SHE Type), 900-1,500 LB.....	110.15	13.08
<b>23 05 48 13-0018 Rubber-In-Shear Vibration Isolator</b> <small>(23 05 48 13-0005)</small>		
23 05 48 13-0019 EA 45-340 LB Rubber In Shear Vibration Isolation With 0.38" Deflection .....	167.67	24.72
23 05 48 13-0020 EA 130-700 LB Rubber In Shear Vibration Isolation With 0.43" Deflection .....	250.70	24.72
23 05 48 13-0021 EA 550-1,920 LB Rubber In Shear Vibration Isolation With 0.48" Deflection .....	535.61	24.72
<b>23 05 48 13-0022 Two-Piece Spring Type Vibration Isolator</b> <small>(23 05 48 13-0005)</small>		
Note: For equipment support aluminum construction 1/2" adjusting and leveling bolt 1" deflection.		
23 05 48 13-0023 EA 50 - 1,000 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator.....	132.68	24.72
23 05 48 13-0024 EA >1,000 - 1,600 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator.....	138.87	24.72
<b>23 05 48 13-0025 Open Double Spring Type Vibration Isolator</b> <small>(23 05 48 13-0005)</small>		
Note: For equipment support 1" deflection neoprene pad and 5/8" stud bolt.		
23 05 48 13-0026 EA 150-450 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator.....	120.26	12.36
23 05 48 13-0027 EA 500-1,000 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator.....	120.26	12.36
23 05 48 13-0028 EA 1,100-1,600 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator .....	140.89	12.36
23 05 48 13-0029 EA 1,700-2,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator .....	140.89	12.36
23 05 48 13-0030 EA 2,500-3,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator .....	234.16	12.36
<b>23 05 48 13-0031 Isolation Pads</b> <small>(23 05 48 13-0005)</small>		
<b>23 05 48 13-0032 Laminated Neoprene And Cork Isolation Pad</b> <small>(23 05 48 13-0031)</small>		
23 05 48 13-0033 EA 2" x 2", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	4.84	1.81
23 05 48 13-0034 EA 3" x 3", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	6.68	1.90
23 05 48 13-0035 EA 4" x 4", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	8.78	1.97
23 05 48 13-0036 EA 12" x 12", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	40.85	2.26
23 05 48 13-0037 EA 18" x 18", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	80.17	2.54
<b>23 05 48 13-0038 Neoprene And Steel Plate Isolation Pad</b> <small>(23 05 48 13-0031)</small>		
23 05 48 13-0039 EA 6" x 4", 5/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad .....	51.96	1.81
23 05 48 13-0040 EA 6" x 4", 7/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad .....	57.30	1.81
<b>23 05 48 13-0041 Neoprene Isolation Pad</b> <small>(23 05 48 13-0031)</small>		
23 05 48 13-0042 EA 2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad.....	4.38	1.81
23 05 48 13-0043 EA 3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad.....	5.19	1.81
23 05 48 13-0044 EA 4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad.....	6.51	1.81
23 05 48 13-0045 EA 12" x 12", 3/8" Thick Ribbed Neoprene Isolation Pad.....	40.15	2.18
23 05 48 13-0046 EA 18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad.....	75.17	2.54
<b>23 05 48 13-0047 Ribbed Neoprene Isolation Pad</b> <small>(23 05 48 13-0031)</small>		
23 05 48 13-0048 EA 2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad.....	4.26	1.81
23 05 48 13-0049 EA 3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad.....	4.96	1.90
23 05 48 13-0050 EA 4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad.....	6.11	1.97
23 05 48 13-0051 EA 6" x 6", 3/8" Thick Ribbed Neoprene Isolation Pad.....	8.91	2.11
23 05 48 13-0052 EA 9" x 9", 3/8" Thick Ribbed Neoprene Isolation Pad.....	16.82	2.26
23 05 48 13-0053 EA 18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad.....	32.65	2.54
<b>23 05 48 13-0054 Cork And Ribbed Neoprene Isolation Pad</b> <small>(23 05 48 13-0031)</small>		
23 05 48 13-0055 EA 2" x 2", 7/8" Thick Cork And Ribbed Neoprene Isolation Pad.....	4.53	1.81
23 05 48 13-0056 EA 3" x 3", 7/8" Thick Cork And Ribbed Neoprene Isolation Pad.....	6.23	1.90
23 05 48 13-0057 EA 4" x 4", 7/8" Thick Cork And Ribbed Neoprene Isolation Pad.....	8.10	1.97
23 05 48 13-0058 EA 6" x 6", 7/8" Thick Cork And Ribbed Neoprene Isolation Pad.....	11.89	2.11
23 05 48 13-0059 EA 9" x 9", 7/8" Thick Cork And Ribbed Neoprene Isolation Pad.....	23.22	2.26
23 05 48 13-0060 EA 18" x 18", 7/8" Thick Cork And Ribbed Neoprene Isolation Pad.....	51.77	2.54
<b>23 05 48 13-0061 Cork, Ribbed Neoprene And Steel Isolation Pad</b> <small>(23 05 48 13-0031)</small>		
23 05 48 13-0062 EA 2" x 2", 1-1/8" Thick Cork, Ribbed Neoprene And Steel Isolation Pad.....	43.06	1.81
23 05 48 13-0063 EA 3" x 3", 1-1/8" Thick Cork, Ribbed Neoprene And Steel Isolation Pad.....	54.13	1.90
23 05 48 13-0064 EA 4" x 4", 1-1/8" Thick Cork, Ribbed Neoprene And Steel Isolation Pad.....	71.89	1.97
23 05 48 13-0065 EA 5" x 5", 1-1/8" Thick Cork, Ribbed Neoprene And Steel Isolation Pad.....	92.03	2.11
23 05 48 13-0066 EA 6" x 6", 1-1/8" Thick Cork, Ribbed Neoprene And Steel Isolation Pad.....	112.89	2.26
23 05 48 13-0067 EA 8" x 8", 1-1/8" Thick Cork, Ribbed Neoprene And Steel Isolation Pad.....	137.18	2.54

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 48 Vibration and Seismic Controls for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 05 48 13-0068 Rubber Cube Isolation Pad</b> <small>(23 05 48 13-0031)</small>		
23 05 48 13-0069 EA 2" x 2", 3/4" Thick Rubber Cube Isolation Pad.....	4.62	1.81
23 05 48 13-0070 EA 4" x 4", 3/4" Thick Rubber Cube Isolation Pad.....	8.19	1.97
23 05 48 13-0071 EA 18" x 18", 3/4" Thick Rubber Cube Isolation Pad.....	61.87	2.54
<b>23 05 48 13-0072 Vibra Strip For 1-5/8" Wide B Line Channel</b> <small>(23 05 48 13-0031)</small>		
23 05 48 13-0073 LF BVS Type - Vibra Strip For 1-5/8" Wide B-Line Channel.....	5.24	0.36
<b>23 05 48 13-0074 Vibration Isolators For Equipment</b> <small>(23 05 48 13)</small>		
<b>23 05 48 13-0075 Isolation Mounts For Equipment</b> <small>(23 05 48 13-0074)</small>		
<b>23 05 48 13-0076 Molded Neoprene Mounts</b> <small>(23 05 48 13-0075)</small>		
23 05 48 13-0077 EA 3-1/4" x 1-7/8" x 1-7/8" Molded Neoprene Mount, 25-45 LB.....	38.61	3.64
23 05 48 13-0078 EA 3-1/4" x 1-7/8" x 1-7/8" Molded Neoprene Mount, 45-110 LB.....	38.61	3.64
23 05 48 13-0079 EA 3-1/4" x 1-7/8" x 1-7/8" Molded Neoprene Mount, 110-210 LB.....	38.61	3.64
23 05 48 13-0080 EA 3-1/4" x 1-7/8" x 1-7/8" Molded Neoprene Mount, 210-340 LB.....	38.61	3.64
23 05 48 13-0081 EA 4-1/4" x 2-1/2" x 2-1/8" Molded Neoprene Mount, 230-380 LB.....	43.25	4.36
23 05 48 13-0082 EA 4-1/4" x 2-1/2" x 2-1/8" Molded Neoprene Mount, 380-700 LB.....	90.01	4.36
23 05 48 13-0083 EA 6" x 3-1/2" x 2-3/8" Molded Neoprene Mount, 550-930 LB.....	92.20	5.45
<b>23 05 48 13-0084 Cup Mounts</b> <small>(23 05 48 13-0075)</small>		
23 05 48 13-0085 EA 2-3/8" x 2-3/8" x 1-1/8" Metal Housing And Neoprene Cup Mount, 8-14 LB.....	124.19	3.64
23 05 48 13-0086 EA 2-3/8" x 2-3/8" x 1-1/8" Metal Housing And Neoprene Cup Mount, 14-24 LB.....	124.19	3.64
23 05 48 13-0087 EA 2-3/8" x 2-3/8" x 1-1/8" Metal Housing And Neoprene Cup Mount, 24-38 LB.....	124.19	3.64
23 05 48 13-0088 EA 2-3/8" x 2-3/8" x 1-1/8" Metal Housing And Neoprene Cup Mount, 38-60 LB.....	124.19	3.64
23 05 48 13-0089 EA 3" x 3" x 1-1/2" Metal Housing And Neoprene Cup Mount, 15-30 LB.....	179.35	3.64
23 05 48 13-0090 EA 3" x 3" x 1-1/2" Metal Housing And Neoprene Cup Mount, 30-50 LB.....	179.35	3.64
23 05 48 13-0091 EA 3" x 3" x 1-1/2" Metal Housing And Neoprene Cup Mount, 50-80 LB.....	179.35	3.64
23 05 48 13-0092 EA 3" x 3" x 1-1/2" Metal Housing And Neoprene Cup Mount, 80-110 LB.....	179.35	3.64
<b>23 05 48 13-0093 Free Standing Spring Mounts, 1" Deflection (OML Type)</b> <small>(23 05 48 13-0075)</small>		
23 05 48 13-0094 EA 4-1/2" x 2" x 3-5/8" High Free Standing Spring Mount, 25-50 LB.....	85.83	9.09
23 05 48 13-0095 EA 4-1/2" x 2" x 3-5/8" High Free Standing Spring Mount, 50-100 LB.....	85.83	9.09
23 05 48 13-0096 EA 4-1/2" x 2" x 3-5/8" High Free Standing Spring Mount, 100-150 LB.....	85.83	9.09
23 05 48 13-0097 EA 4-1/2" x 2" x 3-5/8" High Free Standing Spring Mount, 150-250 LB.....	85.83	9.09
23 05 48 13-0098 EA 4-1/2" x 2" x 3-5/8" High Free Standing Spring Mount, 250-350 LB.....	85.83	9.09
23 05 48 13-0099 EA 4-1/2" x 2" x 3-5/8" High Free Standing Spring Mount, 350-450 LB.....	93.32	9.09
23 05 48 13-0100 EA 4-1/2" x 2" x 3-5/8" High Free Standing Spring Mount, 450-300 LB.....	93.32	9.09
<b>23 05 48 13-0101 Free Standing Spring Mounts, 1" Deflection (OM Type)</b> <small>(23 05 48 13-0075)</small>		
23 05 48 13-0102 EA 4-1/2" x 2" x 4-3/4" High Free Standing Spring Mount, 75-150 LB.....	121.56	9.82
23 05 48 13-0103 EA 4-1/2" x 2" x 4-3/4" High Free Standing Spring Mount, 150-250 LB.....	121.56	9.82
23 05 48 13-0104 EA 4-1/2" x 2" x 4-3/4" High Free Standing Spring Mount, 250-350 LB.....	121.56	9.82
23 05 48 13-0105 EA 4-1/2" x 2" x 4-3/4" High Free Standing Spring Mount, 350-500 LB.....	121.56	9.82
23 05 48 13-0106 EA 4-1/2" x 2" x 4-3/4" High Free Standing Spring Mount, 500-600 LB.....	121.56	9.82
23 05 48 13-0107 EA 4-1/2" x 2" x 4-3/4" High Free Standing Spring Mount, 600-750 LB.....	121.56	9.82
23 05 48 13-0108 EA 4-1/2" x 2" x 4-3/4" High Free Standing Spring Mount, 750-900 LB.....	121.56	9.82
23 05 48 13-0109 EA 4-1/2" x 2" x 4-3/4" High Free Standing Spring Mount, 900-1,100 LB.....	121.56	9.82
<b>23 05 48 13-0110 Free Standing Spring Mounts, 2" Deflection (OM Type)</b> <small>(23 05 48 13-0075)</small>		
23 05 48 13-0111 EA 6-1/4" x 4" x 7-5/8" High Free Standing Spring Mount, 75-150 LB.....	318.19	12.00
23 05 48 13-0112 EA 6-1/4" x 4" x 7-5/8" High Free Standing Spring Mount, 150-275 LB.....	318.19	12.00
23 05 48 13-0113 EA 6-1/4" x 4" x 7-5/8" High Free Standing Spring Mount, 275-425 LB.....	318.19	12.00
23 05 48 13-0114 EA 6-1/4" x 4" x 7-5/8" High Free Standing Spring Mount, 425-500 LB.....	318.19	12.00
23 05 48 13-0115 EA 6-1/4" x 4" x 7-5/8" High Free Standing Spring Mount, 500-650 LB.....	318.19	12.00
23 05 48 13-0116 EA 6-1/4" x 4" x 7-5/8" High Free Standing Spring Mount, 650-775 LB.....	318.19	12.00
23 05 48 13-0117 EA 6-1/4" x 4" x 7-5/8" High Free Standing Spring Mount, 775-1,000 LB.....	318.19	12.00
23 05 48 13-0118 EA 6-1/4" x 4" x 7-5/8" High Free Standing Spring Mount, 1,000-1,150 LB.....	318.19	12.00
<b>23 05 48 13-0119 Housed Fail Safe Spring Mounts, 1" Deflection (HMLE Type)</b> <small>(23 05 48 13-0075)</small>		
Note: With external adjustment bolt.		
23 05 48 13-0120 EA 5-1/8" x 2-1/2" x 3-3/4"H Housed Fail Safe Spring Mount, 25-50 LB.....	123.74	10.91
23 05 48 13-0121 EA 5-1/8" x 2-1/2" x 3-3/4"H Housed Fail Safe Spring Mount, 50-100 LB.....	123.74	10.91
23 05 48 13-0122 EA 5-1/8" x 2-1/2" x 3-3/4"H Housed Fail Safe Spring Mount, 100-150 LB.....	123.74	10.91
23 05 48 13-0123 EA 5-1/8" x 2-1/2" x 3-3/4"H Housed Fail Safe Spring Mount, 150-250 LB.....	123.74	10.91
23 05 48 13-0124 EA 5-1/8" x 2-1/2" x 3-3/4"H Housed Fail Safe Spring Mount, 250-350 LB.....	128.50	10.91
23 05 48 13-0125 EA 5-1/8" x 2-1/2" x 3-3/4"H Housed Fail Safe Spring Mount, 350-450 LB.....	148.25	10.91
23 05 48 13-0126 EA 5-1/8" x 2-1/2" x 3-3/4"H Housed Fail Safe Spring Mount, 450-600 LB.....	148.25	10.91



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0127				<b>Housed Fail Safe Spring Mounts, 1" Deflection (HME Type)</b> (23 05 48 13-0075) Note: With external adjustment bolt.		
23 05 48 13-0128	EA			6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 45-90 LB.....	174.95	12.00
23 05 48 13-0129	EA			6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 90-120 LB.....	174.95	12.00
23 05 48 13-0130	EA			6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 120-175 LB.....	174.95	12.00
23 05 48 13-0131	EA			6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 175-250 LB.....	174.95	12.00
23 05 48 13-0132	EA			6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 250-330 LB.....	174.95	12.00
23 05 48 13-0133	EA			6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 330-450 LB.....	189.93	12.00
23 05 48 13-0134	EA			6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 450-600 LB.....	189.93	12.00
23 05 48 13-0135	EA			6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 600-750 LB.....	189.93	12.00
23 05 48 13-0136	EA			6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 750-900 LB.....	189.93	12.00
23 05 48 13-0137	EA			6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 900-1,100 LB.....	207.64	12.00
23 05 48 13-0138	EA			6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 1,100-1,300 LB.....	207.64	12.00
23 05 48 13-0139	EA			6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 1,300-1,500 LB.....	207.64	12.00
23 05 48 13-0140				<b>Housed Fail Safe Spring Mount, 2" Deflection (HME Type)</b> (23 05 48 13-0075) Note: With external adjustment bolt.		
23 05 48 13-0141	EA			6-3/8" x 2-5/8" x 5-5/8"H Housed Fail Safe Spring Mount, 48-90 LB.....	250.32	12.00
23 05 48 13-0142	EA			6-3/8" x 2-5/8" x 5-5/8"H Housed Fail Safe Spring Mount, 90-120 LB.....	250.32	12.00
23 05 48 13-0143	EA			6-3/8" x 2-5/8" x 5-5/8"H Housed Fail Safe Spring Mount, 120-175 LB.....	250.32	12.00
23 05 48 13-0144	EA			6-3/8" x 2-5/8" x 5-5/8"H Housed Fail Safe Spring Mount, 175-250 LB.....	250.32	12.00
23 05 48 13-0145	EA			6-3/8" x 2-5/8" x 5-5/8"H Housed Fail Safe Spring Mount, 250-330 LB.....	250.32	12.00
23 05 48 13-0146	EA			6-3/8" x 2-5/8" x 5-5/8"H Housed Fail Safe Spring Mount, 330-450 LB.....	250.32	12.00
23 05 48 13-0147	EA			6-3/8" x 2-5/8" x 5-5/8"H Housed Fail Safe Spring Mount, 450-600 LB.....	275.52	12.00
23 05 48 13-0148	EA			6-3/8" x 2-5/8" x 5-5/8"H Housed Fail Safe Spring Mount, 600-750 LB.....	275.52	12.00
23 05 48 13-0149	EA			9-3/4" x 2-5/8" x 5-3/4"H Housed Fail Safe Spring Mount, 500-660 LB.....	434.20	12.00
23 05 48 13-0150	EA			9-3/4" x 2-5/8" x 5-3/4"H Housed Fail Safe Spring Mount, 660-900 LB.....	434.20	12.00
23 05 48 13-0151	EA			9-3/4" x 2-5/8" x 5-3/4"H Housed Fail Safe Spring Mount, 900-1,200 LB.....	434.20	12.00
23 05 48 13-0152	EA			9-3/4" x 2-5/8" x 5-3/4"H Housed Fail Safe Spring Mount, 1,200-1,500 LB.....	434.20	12.00
23 05 48 13-0153				<b>Housed Fail Safe Spring Mount, 1" Deflection (HMLT Type)</b> (23 05 48 13-0075) Note: Skid resistant neoprene top and external adjustment bolt.		
23 05 48 13-0154	EA			5-1/8" x 2-1/2" x 4-1/8" Housed Fail Safe Spring Mount, 25-50 LB.....	146.89	9.09
23 05 48 13-0155	EA			5-1/8" x 2-1/2" x 4-1/8" Housed Fail Safe Spring Mount, 50-100 LB.....	146.89	9.09
23 05 48 13-0156	EA			5-1/8" x 2-1/2" x 4-1/8" Housed Fail Safe Spring Mount, 100-150 LB.....	146.89	9.09
23 05 48 13-0157	EA			5-1/8" x 2-1/2" x 4-1/8" Housed Fail Safe Spring Mount, 150-250 LB.....	146.89	9.09
23 05 48 13-0158	EA			5-1/8" x 2-1/2" x 4-1/8" Housed Fail Safe Spring Mount, 250-350 LB.....	146.89	9.09
23 05 48 13-0159	EA			5-1/8" x 2-1/2" x 4-1/8" Housed Fail Safe Spring Mount, 350-450 LB.....	152.34	9.09
23 05 48 13-0160	EA			5-1/8" x 2-1/2" x 4-1/8" Housed Fail Safe Spring Mount, 450-600 LB.....	152.34	9.09
23 05 48 13-0161				<b>Vibration Hangers</b> (23 05 48 13-0075) Note: RH type neoprene hanger.		
23 05 48 13-0162	EA			2-3/4" x 2" x 4-1/2"H Neoprene Vibration Hanger, 60 To 100 LB.....	99.92	16.36
23 05 48 13-0163	EA			2-3/4" x 2" x 4-1/2"H Neoprene Vibration Hanger, 100 To 175 LB.....	99.92	16.36
23 05 48 13-0164	EA			2-3/4" x 2" x 4-1/2"H Neoprene Vibration Hanger, 175 To 300 LB.....	133.29	16.36
23 05 48 13-0165	EA			2-3/4" x 2" x 4-1/2"H Neoprene Vibration Hanger, 300 To 700 LB.....	133.29	16.36
23 05 48 13-0166	EA			3" x 2" x 7"H Neoprene Vibration Hanger, 700 To 1,100 LB.....	199.69	20.00
23 05 48 13-0167	EA			3" x 2" x 7"H Neoprene Vibration Hanger, 1,100 To 2,000 LB.....	199.69	20.00
23 05 48 13-0168				<b>Threaded Flexible Bronze Hose Connectors</b> (23 05 48 13) Note: Includes hex threaded nipple ends.		
23 05 48 13-0169	EA			3/8" Diameter x 9" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	76.74	11.63
23 05 48 13-0170	EA			1/2" Diameter x 10" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	84.89	16.00
23 05 48 13-0171	EA			3/4" Diameter x 11" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	104.87	19.63
23 05 48 13-0172	EA			1" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	120.92	23.27
23 05 48 13-0173	EA			1-1/4" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	137.44	30.53
23 05 48 13-0174	EA			1-1/2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	153.83	32.50
23 05 48 13-0175	EA			2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	210.55	38.54
23 05 48 13-0176	EA			2-1/2" Diameter x 16" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends.....	301.10	60.06
23 05 48 13-0177				<b>Weld End Flexible Hose Connectors</b> (23 05 48 13)		
23 05 48 13-0178	EA			1/2" Diameter x 10" Flexible Hose Connection, Weld Ends.....	199.54	41.73
23 05 48 13-0179	EA			3/4" Diameter x 10" Flexible Hose Connection, Weld Ends.....	234.76	45.81
23 05 48 13-0180	EA			1" Diameter x 10" Flexible Hose Connection, Weld Ends.....	266.84	48.50
23 05 48 13-0181	EA			1-1/4" Diameter x 11" Flexible Hose Connection, Weld Ends.....	297.72	55.26
23 05 48 13-0182	EA			1-1/2" Diameter x 12" Flexible Hose Connection, Weld Ends.....	339.60	59.63
23 05 48 13-0183	EA			2" Diameter x 14" Flexible Hose Connection, Weld Ends.....	424.66	77.58
23 05 48 13-0184	EA			2-1/2" Diameter x 16" Flexible Hose Connection, Weld Ends.....	656.09	87.26

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 48 Vibration and Seismic Controls for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0185 EA 3" Diameter x 16" Flexible Hose Connection, Weld Ends .....	816.83	98.15
23 05 48 13-0186 EA 4" Diameter x 18" Flexible Hose Connection, Weld Ends .....	1,123.31	145.42
<b>23 05 48 13-0187 Flanged Flexible Hose Connectors (23 05 48 13)</b>		
<b>23 05 48 13-0188 Flanged Flexible Molded Rubber Hose Connectors (23 05 48 13-0187)</b>		
Note: With helical wire reinforcement 150 PSI.		
23 05 48 13-0189 EA 1-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI .....	230.89	54.54
23 05 48 13-0190 EA 2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI .....	247.36	60.56
23 05 48 13-0191 EA 2-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI .....	365.81	120.99
23 05 48 13-0192 EA 3" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI .....	484.10	179.96
23 05 48 13-0193 EA 4" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI .....	637.10	232.31
23 05 48 13-0194 EA 6" Diameter x 18" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI .....	870.79	221.47
23 05 48 13-0195 EA 8" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI .....	1,089.07	252.95
23 05 48 13-0196 EA 10" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI .....	1,461.15	301.02
23 05 48 13-0197 EA 12" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI .....	2,924.50	376.49
<b>23 05 48 13-0198 Flanged Flexible Corrugated Stainless Steel Hose Connectors (23 05 48 13-0187)</b>		
Note: With braided metal wire.		
23 05 48 13-0199 EA 1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	168.22	49.59
23 05 48 13-0200 EA 1" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	130.85	68.20
23 05 48 13-0201 EA 1-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	316.55	90.89
23 05 48 13-0202 EA 2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	380.96	136.33
23 05 48 13-0203 EA 2-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	404.17	150.00
23 05 48 13-0204 EA 3" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	458.10	181.63
23 05 48 13-0205 EA 4" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	586.22	232.53
23 05 48 13-0206 EA 6" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	815.02	265.23
23 05 48 13-0207 EA 8" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	1,501.75	354.34
23 05 48 13-0208 EA 10" Diameter x 13" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	1,781.43	409.75
23 05 48 13-0209 EA 12" Diameter x 14" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	2,451.85	442.93
<b>23 05 48 13-0210 Flanged Flexible Molded Teflon Hose Connectors (23 05 48 13-0187)</b>		
Note: 150 PSI.		
23 05 48 13-0211 EA 2-1/2" Diameter x 3-3/16" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation .....	1,231.47	105.43
23 05 48 13-0212 EA 3" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation .....	1,373.38	123.61
23 05 48 13-0213 EA 4" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation .....	2,050.63	207.74
23 05 48 13-0214 EA 6" Diameter x 4" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation .....	2,456.78	221.47
23 05 48 13-0215 EA 8" Diameter x 6" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation .....	3,301.80	271.67
<b>23 05 48 13-0216 Flexible Hose Connectors Braided Metal Hose Type, Bronze (23 05 48 13)</b>		
<b>23 05 48 13-0217 Braided Metal Hose Type Flexible Bronze Hose Connectors (23 05 48 13-0216)</b>		
Note: MPT connection.		
23 05 48 13-0218 EA 1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	51.15	1.42
23 05 48 13-0219 EA 1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	61.92	1.42
23 05 48 13-0220 EA 1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	68.04	1.84
23 05 48 13-0221 EA 1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	83.90	1.84
23 05 48 13-0222 EA 3/4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	69.01	1.70
23 05 48 13-0223 EA 3/4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	84.38	1.70
23 05 48 13-0224 EA 3/4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	95.64	2.20
23 05 48 13-0225 EA 3/4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	119.57	2.20
23 05 48 13-0226 EA 1" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	95.00	1.99
23 05 48 13-0227 EA 1" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	104.43	1.99
23 05 48 13-0228 EA 1" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	123.27	2.62
23 05 48 13-0229 EA 1" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	158.26	2.62
23 05 48 13-0230 EA 1" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	193.00	2.62
23 05 48 13-0231 EA 1" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	227.84	2.62
23 05 48 13-0232 EA 1-1/4" Or 1-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	136.15	2.54
23 05 48 13-0233 EA 1-1/4" Or 1-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	150.83	2.54
23 05 48 13-0234 EA 1-1/4" Or 1-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	195.61	2.54
23 05 48 13-0235 EA 1-1/4" Or 1-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	272.41	3.39
23 05 48 13-0236 EA 1-1/4" Or 1-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	317.53	3.39
23 05 48 13-0237 EA 1-1/4" Or 1-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	377.56	3.39
23 05 48 13-0238 EA 2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	187.56	3.07
23 05 48 13-0239 EA 2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	218.25	3.07
23 05 48 13-0240 EA 2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	277.71	3.07
23 05 48 13-0241 EA 2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	370.43	4.10
23 05 48 13-0242 EA 2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	461.05	4.10
23 05 48 13-0243 EA 2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	551.59	4.10
23 05 48 13-0244 EA 2-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	262.23	3.84
23 05 48 13-0245 EA 2-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	300.04	3.65
23 05 48 13-0246 EA 2-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	338.23	3.65
23 05 48 13-0247 EA 2-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	416.04	4.89
23 05 48 13-0248 EA 2-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	492.84	4.89
23 05 48 13-0249 EA 2-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	567.25	4.89



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0250 EA 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	416.07	4.89
23 05 48 13-0251 EA 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	467.09	4.89
23 05 48 13-0252 EA 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	403.99	4.89
23 05 48 13-0253 EA 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	486.82	6.51
23 05 48 13-0254 EA 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	726.39	6.51
23 05 48 13-0255 EA 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	826.78	6.51
23 05 48 13-0256 EA 4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	769.60	5.20
23 05 48 13-0257 EA 4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	829.22	5.20
23 05 48 13-0258 EA 4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	888.82	5.20
23 05 48 13-0259 EA 4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	1,012.86	6.94
23 05 48 13-0260 EA 4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	1,131.62	6.94
23 05 48 13-0261 EA 4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	1,252.93	6.94

**23 05 48 13-0262 Braided Stainless Steel Flexible Hose Connectors** (23 05 48 13-0216)

Note: Over braided carbon steel connection.

23 05 48 13-0263 EA 2" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	225.22	3.18
23 05 48 13-0264 EA 2" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	273.99	3.18
23 05 48 13-0265 EA 2" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	321.84	3.18
23 05 48 13-0266 EA 2" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	421.07	4.26
23 05 48 13-0267 EA 2" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	518.08	4.26
23 05 48 13-0268 EA 2" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	614.97	4.26
23 05 48 13-0269 EA 2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	254.77	3.65
23 05 48 13-0270 EA 2-1/2" Or 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	305.75	3.65
23 05 48 13-0271 EA 2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	356.95	3.65
23 05 48 13-0272 EA 2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	462.03	4.89
23 05 48 13-0273 EA 2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	564.02	4.89
23 05 48 13-0274 EA 2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	664.60	4.89
23 05 48 13-0275 EA 4" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	267.45	4.89
23 05 48 13-0276 EA 4" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	325.84	5.02
23 05 48 13-0277 FT 4" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	385.07	4.89
23 05 48 13-0278 EA 4" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	509.86	6.51
23 05 48 13-0279 EA 4" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	627.67	6.51
23 05 48 13-0280 EA 4" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	748.84	6.51
23 05 48 13-0281 EA 6" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	540.57	9.75
23 05 48 13-0282 EA 6" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	810.62	9.82
23 05 48 13-0283 EA 6" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	1,087.72	12.94
23 05 48 13-0284 EA 6" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	1,357.89	12.94
23 05 48 13-0285 EA 6" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	1,627.98	12.94
23 05 48 13-0286 EA 8" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	949.30	10.73
23 05 48 13-0287 EA 8" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	1,153.62	10.73
23 05 48 13-0288 EA 8" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	1,565.98	13.94
23 05 48 13-0289 EA 8" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	1,971.30	13.94
23 05 48 13-0290 EA 8" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	2,376.52	13.94
23 05 48 13-0291 EA 10" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	1,010.60	13.41
23 05 48 13-0292 EA 10" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	1,521.42	13.41
23 05 48 13-0293 EA 10" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	2,039.54	17.46
23 05 48 13-0294 EA 10" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	2,552.14	17.46
23 05 48 13-0295 EA 10" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	3,062.58	17.46
23 05 48 13-0296 EA 12" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	2,039.16	16.20

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 48 Vibration and Seismic Controls for HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0297 EA 12" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	2,676.65	16.20
23 05 48 13-0298 EA 12" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	3,343.68	21.81
23 05 48 13-0299 EA 12" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	3,986.77	21.81
23 05 48 13-0300 EA 12" Diameter x 72" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	4,632.85	21.81
<b>23 05 48 13-0301 Braided Metal Hose Type Flexible Bronze Hose Connectors</b> <small>(23 05 48 13-0216)</small>		
Note: Flanged end connection (carbon steel ends).		
23 05 48 13-0302 EA 2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	180.33	3.07
23 05 48 13-0303 EA 2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	357.11	86.90
23 05 48 13-0304 EA 2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	432.21	86.90
23 05 48 13-0305 EA 2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	507.32	86.90
23 05 48 13-0306 EA 2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	582.45	86.90
23 05 48 13-0307 EA 2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	335.34	110.82
23 05 48 13-0308 EA 2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	414.48	110.82
23 05 48 13-0309 EA 2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	493.66	110.82
23 05 48 13-0310 EA 2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	572.86	110.82
23 05 48 13-0311 EA 2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	650.68	110.82
23 05 48 13-0312 EA 4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	475.05	185.79
23 05 48 13-0313 EA 4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	567.43	186.25
23 05 48 13-0314 EA 4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	661.31	185.79
23 05 48 13-0315 EA 4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	766.27	185.79
23 05 48 13-0316 EA 4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	846.48	185.79
23 05 48 13-0317 EA 6" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	731.43	243.76
23 05 48 13-0318 EA 6" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	940.74	243.76
23 05 48 13-0319 EA 6" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	1,150.17	244.64
23 05 48 13-0320 EA 6" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	1,359.51	243.76
23 05 48 13-0321 EA 6" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	1,568.82	243.76
23 05 48 13-0322 EA 8" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	1,148.86	274.05
23 05 48 13-0323 EA 8" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	1,307.21	274.05
23 05 48 13-0324 EA 8" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	1,621.16	274.05
23 05 48 13-0325 EA 8" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	1,935.23	274.05
23 05 48 13-0326 EA 8" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	2,249.16	274.05
23 05 48 13-0327 EA 10" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	1,857.86	333.64
23 05 48 13-0328 EA 10" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	2,252.37	333.64
23 05 48 13-0329 EA 10" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	2,649.53	333.64
23 05 48 13-0330 EA 10" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	3,045.85	333.64
23 05 48 13-0331 EA 10" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	3,366.14	333.64
23 05 48 13-0332 EA 12" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	2,512.53	405.14
23 05 48 13-0333 EA 12" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	3,013.16	405.14
23 05 48 13-0334 EA 12" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	3,513.75	405.14
23 05 48 13-0335 EA 12" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	4,014.35	405.14
23 05 48 13-0336 EA 12" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	4,514.98	405.14



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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### 23 05 53 Identification For HVAC Piping And Equipment (23 05)

23 05 53 00-0001	Systems Identification <small>(23 05 53)</small>		
23 05 53 00-0002	Pipe Marker Snap-On Type Plastic <small>(23 05 53 00-0001)</small>		
Note: Outside diameters include insulation where necessary.			
23 05 53 00-0003	EA 1/2" Outside Diameter Snap-On Plastic Marker.....	9.77	
23 05 53 00-0004	EA 3/4" Outside Diameter Snap-On Plastic Marker.....	9.95	
23 05 53 00-0005	EA 1" Outside Diameter Snap-On Plastic Marker.....	10.04	
23 05 53 00-0006	EA 1-1/4" Outside Diameter Snap-On Plastic Marker.....	10.21	
23 05 53 00-0007	EA 1-1/2" Outside Diameter Snap-On Plastic Marker.....	11.53	
23 05 53 00-0008	EA 2" Outside Diameter Snap-On Plastic Marker.....	11.85	
23 05 53 00-0009	EA 2-1/2" Outside Diameter Snap-On Plastic Marker.....	17.56	
23 05 53 00-0010	EA 3" Outside Diameter Snap-On Plastic Marker.....	17.81	
23 05 53 00-0011	EA 3-1/2" Outside Diameter Snap-On Plastic Marker.....	18.08	
23 05 53 00-0012	EA 4" Outside Diameter Snap-On Plastic Marker.....	18.23	
23 05 53 00-0013	EA 4-1/2" Outside Diameter Snap-On Plastic Marker.....	18.38	
23 05 53 00-0014	EA 5" Outside Diameter Snap-On Plastic Marker.....	18.53	
23 05 53 00-0015	EA 6" Outside Diameter Snap-On Plastic Marker.....	19.35	
23 05 53 00-0016	EA 7" Outside Diameter Snap-On Plastic Marker.....	19.52	
23 05 53 00-0017	EA 8" Outside Diameter Snap-On Plastic Marker.....	23.42	
23 05 53 00-0018	EA 10" Outside Diameter Snap-On Plastic Marker.....	24.42	
23 05 53 00-0019	EA 12" Outside Diameter Snap-On Plastic Marker.....	28.29	
23 05 53 00-0020	EA 14" Outside Diameter Snap-On Plastic Marker.....	32.39	

23 05 53 00-0021	Pipe Markers Pressure-Sensitive <small>(23 05 53 00-0001)</small>		
Note: Stick on include arrow tape. Outside diameter includes insulation where necessary.			
23 05 53 00-0022	EA 1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	8.77	
23 05 53 00-0023	EA 3/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	9.12	
23 05 53 00-0024	EA 1" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	9.83	
23 05 53 00-0025	EA 1-1/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	9.98	
23 05 53 00-0026	EA 1-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	10.76	
23 05 53 00-0027	EA 2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	10.97	
23 05 53 00-0028	EA 2-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	12.58	
23 05 53 00-0029	EA 3" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	12.86	
23 05 53 00-0030	EA 3-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	13.07	
23 05 53 00-0031	EA 4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	13.29	
23 05 53 00-0032	EA 4-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	13.73	
23 05 53 00-0033	EA 5" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	14.20	
23 05 53 00-0034	EA 6" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	14.63	
23 05 53 00-0035	EA 7" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	15.04	
23 05 53 00-0036	EA 8" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	16.81	
23 05 53 00-0037	EA 10" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	17.59	
23 05 53 00-0038	EA 12" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	20.70	

23 05 53 00-0039	Valve Identification Tag <small>(23 05 53 00-0001)</small>		
Note: Includes beaded chain and/or "S" hook.			
23 05 53 00-0040	EA 2" Diameter Identification Tag, Brass.....	7.24	
23 05 53 00-0041	EA 1-1/2" Diameter Identification Tag, Plastic.....	6.82	
23 05 53 00-0042	EA 1-1/2" Diameter Identification Tag, Brass.....	6.69	

### 23 05 66 Anti-Microbial Ultraviolet Emitters For HVAC Ducts And Equipment (23 05)

23 05 66 00-0001	Double Ended Ultraviolet HVAC Microbial Control Fixtures <small>(23 05 66)</small>		
23 05 66 00-0002	EA 24" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-241-VO).....	490.39	51.36
Note: Includes tube.			
23 05 66 00-0003	EA 30" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-301-VO).....	492.54	53.57
Note: Includes tube.			
23 05 66 00-0004	EA 36" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-361-VO).....	515.52	56.28
Note: Includes tube.			
23 05 66 00-0005	EA 42" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-421-VO).....	557.14	58.70
Note: Includes tube.			
23 05 66 00-0006	EA 62" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-621-VO).....	637.57	60.53
Note: Includes tube.			
23 05 66 00-0007	Single Ended Ultraviolet HVAC Microbial Control Fixtures <small>(23 05 66)</small>		
23 05 66 00-0008	EA 12" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-121-VO).....	408.78	33.90
Note: Includes tube.			
23 05 66 00-0009	EA 16" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-161-VO).....	415.80	36.69
Note: Includes tube.			
23 05 66 00-0010	EA 20" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-201-VO).....	423.01	38.89
Note: Includes tube.			
23 05 66 00-0011	EA 24" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-241-VO).....	423.02	41.83
Note: Includes tube.			



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 66 Anti-Microbial Ultraviolet Emitters For HVAC Ducts And Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 66 00-0012 EA 30" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-301-VO) ..... Note: Includes tube.	440.10	44.03
23 05 66 00-0013 EA 36" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-361-VO) ..... Note: Includes tube.	450.28	46.23
23 05 66 00-0014 EA 42" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-421-VO) ..... Note: Includes tube.	460.53	49.16
23 05 66 00-0015 EA 12" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-121-VO) ..... Note: Includes tube.	479.29	33.90
23 05 66 00-0016 EA 16" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-161-VO) ..... Note: Includes tube.	486.31	36.69
23 05 66 00-0017 EA 20" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-201-VO) ..... Note: Includes tube.	493.52	38.89
23 05 66 00-0018 EA 24" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-241-VO) ..... Note: Includes tube.	493.53	41.83
23 05 66 00-0019 EA 30" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-301-VO) ..... Note: Includes tube.	510.60	44.03
23 05 66 00-0020 EA 36" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-361-VO) ..... Note: Includes tube.	520.79	46.23
23 05 66 00-0021 EA 42" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-421-VO) ..... Note: Includes tube.	531.04	49.16
23 05 66 00-0022 EA 16" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-161-VO) ..... Note: Includes tube.	332.89	36.69
23 05 66 00-0023 EA 20" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-201-VO) ..... Note: Includes tube.	340.09	38.89
23 05 66 00-0024 EA 24" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-241-VO) ..... Note: Includes tube.	340.11	41.83
23 05 66 00-0025 EA 30" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-301-VO) ..... Note: Includes tube.	357.18	44.03
23 05 66 00-0026 EA 36" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-361-VO) ..... Note: Includes tube.	367.37	46.23
23 05 66 00-0027 EA 42" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-421-VO) ..... Note: Includes tube.	377.62	49.16
<b>23 05 66 00-0028 Fan Coil Unit Ultraviolet Microbial Control Fixtures (23 05 66)</b>		
23 05 66 00-0029 EA 16" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) ..... Note: Includes tube.	294.63	46.96
23 05 66 00-0030 EA 20" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) ..... Note: Includes tube.	301.59	49.16
23 05 66 00-0031 EA 24" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) ..... Note: Includes tube.	308.54	51.36
23 05 66 00-0032 EA 30" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) ..... Note: Includes tube.	317.63	53.57
23 05 66 00-0033 EA 36" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) ..... Note: Includes tube.	329.16	56.28
23 05 66 00-0034 EA 42" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) ..... Note: Includes tube.	339.41	58.70
<b>23 05 66 00-0035 Ultraviolet HVAC Microbial Control Replacement Parts (23 05 66)</b>		
23 05 66 00-0036 EA 18" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-16-VO) ..... Note: Includes tube.	77.87	
23 05 66 00-0037 EA 24" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-22-VO) ..... Note: Includes tube.	81.83	
23 05 66 00-0038 EA 30" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-28-VO) ..... Note: Includes tube.	92.61	
23 05 66 00-0039 EA 36" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-34-VO) ..... Note: Includes tube.	106.44	
23 05 66 00-0040 EA 42" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-40-VO) ..... Note: Includes tube.	120.58	
23 05 66 00-0041 EA 62" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-60-VO) ..... Note: Includes tube.	147.82	
23 05 66 00-0042 EA 12" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-12-VO) ..... Note: Includes tube.	75.66	
23 05 66 00-0043 EA 16" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-16-VO) ..... Note: Includes tube.	79.74	
23 05 66 00-0044 EA 20" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-20-VO) ..... Note: Includes tube.	84.01	
23 05 66 00-0045 EA 24" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-24-VO) ..... Note: Includes tube.	81.10	
23 05 66 00-0046 EA 30" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-30-VO) ..... Note: Includes tube.	95.23	
23 05 66 00-0047 EA 36" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-36-VO) ..... Note: Includes tube.	102.48	
23 05 66 00-0048 EA 42" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-42-VO) ..... Note: Includes tube.	109.79	
23 05 66 00-0049 EA Replacement Power Supply For Ultraviolet Microbial Control Fixture (Steril-Aire) ..... Note: Includes tube.	224.33	
<b>23 05 66 00-0050 Ultraviolet HVAC Microbial Control Mounting Accessories (23 05 66)</b>		
23 05 66 00-0051 EA Two Spring Clip, 61" Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006610) ..... Note: Includes 61" emitter, power supply, wires and connectors.	397.10	
23 05 66 00-0052 EA Two Spring Clip, 61" Sleeved Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006620) ..... Note: Includes 61" emitter, power supply, wires and connectors.	507.55	
23 05 66 00-0053 EA Two Spring Clip, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-1) ..... Note: Includes power supply, wires and connectors. Excludes emitter.	231.52	
23 05 66 00-0054 EA Two Short Hook Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-2) ..... Note: Includes power supply, wires and connectors. Excludes emitter.	245.04	
23 05 66 00-0055 EA Flat Plate For Metal, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-3) ..... Note: Includes power supply, wires and connectors. Excludes emitter.	314.92	
23 05 66 00-0056 EA Flat Plate For Plastic, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-4) ..... Note: Includes power supply, wires and connectors. Excludes emitter.	196.18	
23 05 66 00-0057 EA Insert Lamp Holder, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-5) ..... Note: Includes power supply, wires and connectors. Excludes emitter.	212.82	
23 05 66 00-0058 EA 16" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-6) ..... Note: Includes power supply, wires and connectors. Excludes emitter.	277.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 66 00-0059 EA 12" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-7) .....	273.68	
Note: Includes power supply, wires and connectors. Excludes emitter.		
23 05 66 00-0060 LF 30 x 30 mm Framing Structure For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000101) .....	10.31	
23 05 66 00-0061 EA Vertical Support Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000111) .....	34.78	
23 05 66 00-0062 EA Joint Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000112) .....	11.97	
23 05 66 00-0063 EA Emitter Mounting Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000113) .....	11.30	
23 05 66 00-0064 EA Foundation Bracket FB 8VA For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000104) .....	32.04	
23 05 66 00-0065 EA Slider Assembly Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000114) .....	38.11	
23 05 66 00-0066 EA Splice Kit For Horizontal Rows For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000108) .....	33.84	
23 05 66 00-0067 EA Gusset Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000115) .....	27.44	
23 05 66 00-0068 EA ISO "A" Bracket Hanger For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000109) .....	25.92	
23 05 66 00-0069 EA DE Boot Kit UV Resistant For 1 DE Fixture For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000223) .....	13.98	
23 05 66 00-0070 EA DE Wiring Kit For Up To 65" (DE Bank Install) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000603) .....	29.15	
23 05 66 00-0071 EA Cleaning Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000100) .....	14.04	
23 05 66 00-0072 EA 480 To 220 Volt AC / 180 VA Step-Down Transformer For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000503) .....	55.68	
23 05 66 00-0073 EA Interlock Switch (16 Amps At 125 Volt, 10 Amps At 250 Volt Maximum Ampacity) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000120) .....	58.54	

### 23 05 93 Testing, Adjusting, And Balancing For HVAC (23 05)

Note: New systems include all necessary testing, startup, and checkout. Use these tasks for testing, startup, and checkout of existing systems.

<b>23 05 93 00-0001 Heating And Ventilating Equipment <small>(23 05 93)</small></b>	
23 05 93 00-0002 EA Balancing Centrifugal Fans .....	280.19
For Testing Of Unit Without Balancing, Deduct	-140.10
23 05 93 00-0003 EA Balancing Heating And Ventilating Units .....	350.11
For Testing Of Unit Without Balancing, Deduct	-175.06
23 05 93 00-0004 EA Balancing In Line Fan .....	315.22
For Testing Of Unit Without Balancing, Deduct	-157.61
23 05 93 00-0005 EA Balancing Propeller And Wall Fan .....	70.05
For Testing Of Unit Without Balancing, Deduct	-35.03
23 05 93 00-0006 EA Balancing Roof Exhaust Fan .....	210.14
For Testing Of Unit Without Balancing, Deduct	-105.07
23 05 93 00-0007 EA Balancing Wall Fan .....	52.53
For Testing Of Unit Without Balancing, Deduct	-26.27
23 05 93 00-0008 EA Balancing Fan Section Exhaust .....	279.75
For Testing Of Unit Without Balancing, Deduct	-139.88
<b>23 05 93 00-0009 Air Conditioning Equipment <small>(23 05 93)</small></b>	
23 05 93 00-0010 EA Balancing Constant Volume Air Handling Unit .....	535.59
For Testing Of Unit Without Balancing, Deduct	-267.80
23 05 93 00-0011 EA Balancing Package A/C Unit .....	200.84
For Testing Of Unit Without Balancing, Deduct	-100.42
23 05 93 00-0012 EA Balancing Rooftop Heat And Cool Unit .....	267.79
For Testing Of Unit Without Balancing, Deduct	-133.90
23 05 93 00-0013 EA Balancing Variable Volume Air Handling Unit .....	937.27
For Testing Of Unit Without Balancing, Deduct	-468.64
<b>23 05 93 00-0014 Registers, Diffusers, Terminal Air Units And Dampers <small>(23 05 93)</small></b>	
23 05 93 00-0015 EA Balancing HVAC Duct System, Ceiling Height To 12' Supply, Return, Exhaust, Register And Diffuser .....	52.54
For Testing Of Unit Without Balancing, Deduct	-26.27
23 05 93 00-0016 EA Balancing HVAC Duct System, Ceiling Height >12' Supply, Return, Exhaust, Register And Diffuser .....	87.57
For Testing Of Unit Without Balancing, Deduct	-43.79
23 05 93 00-0017 EA Balancing HVAC Duct System, Floor Height Supply, Return, Exhaust, Register And Diffuser .....	45.54
For Testing Of Unit Without Balancing, Deduct	-22.77
23 05 93 00-0018 EA Balance Variable Air Volume Box .....	49.33
For Testing Of Unit Without Balancing, Deduct	-24.67
23 05 93 00-0019 EA Balance Constant Volume Box .....	49.33
For Testing Of Unit Without Balancing, Deduct	-24.67
23 05 93 00-0020 EA Balance Fan Powered Box .....	56.04
For Testing Of Unit Without Balancing, Deduct	-28.02
23 05 93 00-0021 EA Balance Lab Fume Hood .....	227.67
For Testing Of Unit Without Balancing, Deduct	-113.84
23 05 93 00-0022 EA Balance General Hood .....	175.12
For Testing Of Unit Without Balancing, Deduct	-87.56
23 05 93 00-0023 EA Balance Induction Unit .....	105.08
For Testing Of Unit Without Balancing, Deduct	-52.54
23 05 93 00-0024 EA Balance Moduline - Master .....	42.02
For Testing Of Unit Without Balancing, Deduct	-21.01
23 05 93 00-0025 EA Balance Moduline - Slave .....	21.01
For Testing Of Unit Without Balancing, Deduct	-10.51
23 05 93 00-0026 EA Balance Dampers .....	19.51
For Testing Of Unit Without Balancing, Deduct	-9.76
23 05 93 00-0027 EA Balance Regenerators .....	279.75
For Testing Of Unit Without Balancing, Deduct	-139.88
<b>23 05 93 00-0028 Water Balancing Of Components <small>(23 05 93)</small></b>	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 05 Common Work Results For HVAC****23 05 93 Testing, Adjusting, And Balancing For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0029 EA Water Balance, Air Cool Condenser .....	368.25	
For Testing Of Unit Without Balancing, Deduct	-184.13	
23 05 93 00-0030 EA Water Balance, Cabinet Heater .....	46.87	
For Testing Of Unit Without Balancing, Deduct	-23.44	
23 05 93 00-0031 EA Water Balance, Chiller, Air Cooled.....	401.65	
For Testing Of Unit Without Balancing, Deduct	-200.83	
23 05 93 00-0032 EA Water Balance, Chiller, Water Cooled .....	535.59	
For Testing Of Unit Without Balancing, Deduct	-267.80	
23 05 93 00-0033 EA Water Balance, Cooling Tower .....	267.79	
For Testing Of Unit Without Balancing, Deduct	-133.90	
23 05 93 00-0034 EA Water Balance, Fan Coil And Vent .....	66.99	
For Testing Of Unit Without Balancing, Deduct	-33.50	
23 05 93 00-0035 EA Water Balance, Fin Tube And Radiant Panel .....	66.95	
For Testing Of Unit Without Balancing, Deduct	-33.48	
23 05 93 00-0036 EA Water Balance, Main And Duct Re-Heat Coil .....	73.64	
For Testing Of Unit Without Balancing, Deduct	-36.82	
23 05 93 00-0037 EA Water Balance, Pumps .....	200.85	
For Testing Of Unit Without Balancing, Deduct	-100.43	
23 05 93 00-0038 EA Water Balance, Unit Heater .....	46.87	
For Testing Of Unit Without Balancing, Deduct	-23.44	
23 05 93 00-0039 EA Water Balancing, Converter.....	200.92	
For Testing Of Unit Without Balancing, Deduct	-100.46	
23 05 93 00-0040 EA Water Balancing, Cocks And Valves.....	33.47	
For Testing Of Unit Without Balancing, Deduct	-16.74	
23 05 93 00-0041 EA Water Balance, Convectur .....	40.17	
For Testing Of Unit Without Balancing, Deduct	-20.09	
23 05 93 00-0042 EA Water Balancing, Backflow Preventer Or Reduced Pressure Zone Valves .....	50.22	
For Testing Of Unit Without Balancing, Deduct	-25.11	
23 05 93 00-0043 EA Water Balance, Boiler, Up To 500 MBH.....	435.16	
For Testing Of Unit Without Balancing, Deduct	-217.58	
23 05 93 00-0044 EA >500 To 1,000 MBH, Water Balance, Boiler .....	803.38	
For Testing Of Unit Without Balancing, Deduct	-401.69	
23 05 93 00-0045 EA >1,000 MBH, Water Balance, Boiler .....	1,472.86	
For Testing Of Unit Without Balancing, Deduct	-736.43	
<b>23 05 93 00-0046 Non Destructive Testing (23 05 93)</b>		
<b>23 05 93 00-0047 X-Ray Welds, Non-Destructive Testing (23 05 93 00-0046)</b>		
<b>23 05 93 00-0048 X-Ray Welds Minimum Set-Up Charge (23 05 93 00-0047)</b>		
23 05 93 00-0049 EA X-Ray Welds Minimum Set-Up Charge.....	319.23	
Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
<b>23 05 93 00-0050 Piping, X-Ray Welds, Non Destructive Testing (23 05 93 00-0047)</b>		
23 05 93 00-0051 EA Up To 3/4" Piping, X-Ray Welds, Non Destructive Testing .....	55.79	
23 05 93 00-0052 EA 1" Piping, X-Ray Welds, Non Destructive Testing.....	63.45	
23 05 93 00-0053 EA 1-1/4" - 1-1/2" Piping, X-Ray Welds, Non Destructive Testing.....	71.14	
23 05 93 00-0054 EA 2" Piping, X-Ray Welds, Non Destructive Testing.....	75.18	
23 05 93 00-0055 EA 3" Piping, X-Ray Welds, Non Destructive Testing.....	79.23	
23 05 93 00-0056 EA 4" Piping, X-Ray Welds, Non Destructive Testing.....	83.68	
23 05 93 00-0057 EA 6" Piping, X-Ray Welds, Non Destructive Testing.....	91.77	
23 05 93 00-0058 EA 8" Piping, X-Ray Welds, Non Destructive Testing.....	99.85	
23 05 93 00-0059 EA 10" Piping, X-Ray Welds, Non Destructive Testing.....	104.30	
23 05 93 00-0060 EA 12" Piping, X-Ray Welds, Non Destructive Testing.....	108.74	
<b>23 05 93 00-0061 Liquid Penetration Of Welds, Non Destructive Testing (23 05 93 00-0046)</b>		
<b>23 05 93 00-0062 Piping, Liquid Penetration Of Welds, Non Destructive Testing (23 05 93 00-0061)</b>		
23 05 93 00-0063 EA Up To 3/4" Piping, Liquid Penetration Of Welds, Non Destructive Testing .....	70.17	
23 05 93 00-0064 EA 1" Piping, Liquid Penetration Of Welds, Non Destructive Testing .....	73.81	
23 05 93 00-0065 EA 1-1/4" - 1-1/2" Piping, Liquid Penetration Of Welds, Non Destructive Testing .....	77.45	
23 05 93 00-0066 EA 2" Piping, Liquid Penetration Of Welds, Non Destructive Testing .....	79.26	
23 05 93 00-0067 EA 3" Piping, Liquid Penetration Of Welds, Non Destructive Testing .....	81.99	
23 05 93 00-0068 EA 4" Piping, Liquid Penetration Of Welds, Non Destructive Testing .....	84.72	
23 05 93 00-0069 EA 6" Piping, Liquid Penetration Of Welds, Non Destructive Testing .....	90.17	
23 05 93 00-0070 EA 8" Piping, Liquid Penetration Of Welds, Non Destructive Testing .....	95.62	
23 05 93 00-0071 EA 10" Piping, Liquid Penetration Of Welds, Non Destructive Testing .....	101.08	
23 05 93 00-0072 EA 12" Piping, Liquid Penetration Of Welds, Non Destructive Testing.....	106.53	
<b>23 05 93 00-0073 Hydrostatic Testing (23 05 93 00-0046)</b>		
Note: Includes flushing and restoring of system.		
<b>23 05 93 00-0074 Piping, Hydrostatic Testing (23 05 93 00-0073)</b>		
23 05 93 00-0075 EA Up To 100', Up To 1-1/2" Piping, Hydrostatic Testing.....	478.36	
23 05 93 00-0076 EA >100' To 250', Up To 1-1/2" Piping, Hydrostatic Testing.....	683.37	
23 05 93 00-0077 EA >250' To 500', Up To 1-1/2" Piping, Hydrostatic Testing.....	818.81	
23 05 93 00-0078 EA >500' To 1,000', Up To 1-1/2" Piping, Hydrostatic Testing.....	1,090.66	
23 05 93 00-0079 EA >1,000' To 2,000', Up To 1-1/2" Piping, Hydrostatic Testing.....	1,652.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0080 EA Up To 100', >1-1/2" To 4" Piping, Hydrostatic Testing.....	636.02	
23 05 93 00-0081 EA >100' To 250', >1-1/2" To 4" Piping, Hydrostatic Testing.....	908.88	
23 05 93 00-0082 EA >250' To 500', >1-1/2" To 4" Piping, Hydrostatic Testing.....	1,081.99	
23 05 93 00-0083 EA >500' To 1,000', >1-1/2" To 4" Piping, Hydrostatic Testing.....	1,417.83	
23 05 93 00-0084 EA >1,000' To 2,000', >1-1/2" To 4" Piping, Hydrostatic Testing.....	2,144.94	
23 05 93 00-0085 EA Up To 100', >4" To 10" Piping, Hydrostatic Testing.....	828.90	
23 05 93 00-0086 EA >100' To 250', >4" To 10" Piping, Hydrostatic Testing.....	1,181.54	
23 05 93 00-0087 EA >250' To 500', >4" To 10" Piping, Hydrostatic Testing.....	1,142.77	
23 05 93 00-0088 EA >500' To 1,000', >4" To 10" Piping, Hydrostatic Testing.....	1,497.12	
23 05 93 00-0089 EA >1,000' To 2,000', >4" To 10" Piping, Hydrostatic Testing.....	2,264.86	
23 05 93 00-0090 EA Up To 100', >10" To 14" Piping, Hydrostatic Testing.....	1,076.11	
23 05 93 00-0091 EA >100' To 250', >10" To 14" Piping, Hydrostatic Testing.....	1,534.17	
23 05 93 00-0092 EA >250' To 500', >10" To 14" Piping, Hydrostatic Testing.....	1,485.89	
23 05 93 00-0093 EA >500' To 1,000', >10" To 14" Piping, Hydrostatic Testing.....	1,948.90	
23 05 93 00-0094 EA >1,000' To 2,000', >10" To 14" Piping, Hydrostatic Testing.....	2,952.89	

**23 05 93 00-0095****Pneumatic Testing** (23 05 93 00-0046)

Note: Includes soaping joints flushing and restoring of system. Can be used for gas or smoke test.

**23 05 93 00-0096****Piping, Pneumatic Testing** (23 05 93 00-0095)

23 05 93 00-0097 EA Up To 100', Up To 1-1/2" Piping, Pneumatic Testing.....	544.19	
Note: Includes soaping joints.		
23 05 93 00-0098 EA >100' To 250', Up To 1-1/2" Piping, Pneumatic Testing.....	776.42	
Note: Includes soaping joints.		
23 05 93 00-0099 EA >250' To 500', Up To 1-1/2" Piping, Pneumatic Testing.....	838.71	
Note: Includes soaping joints.		
23 05 93 00-0100 EA >500' To 1,000', Up To 1-1/2" Piping, Pneumatic Testing.....	1,074.53	
Note: Includes soaping joints.		
23 05 93 00-0101 EA >1,000' To 2,000', Up To 1-1/2" Piping, Pneumatic Testing.....	1,681.13	
Note: Includes soaping joints.		
23 05 93 00-0102 EA Up To 100', >1-1/2" To 4" Piping, Pneumatic Testing.....	710.08	
Note: Includes soaping joints.		
23 05 93 00-0103 EA >100' To 250', >1-1/2" To 4" Piping, Pneumatic Testing.....	1,008.19	
Note: Includes soaping joints.		
23 05 93 00-0104 EA >250' To 500', >1-1/2" To 4" Piping, Pneumatic Testing.....	1,090.22	
Note: Includes soaping joints.		
23 05 93 00-0105 EA >500' To 1,000', >1-1/2" To 4" Piping, Pneumatic Testing.....	1,397.15	
Note: Includes soaping joints.		
23 05 93 00-0106 EA >1,000' To 2,000', >1-1/2" To 4" Piping, Pneumatic Testing.....	2,185.05	
Note: Includes soaping joints.		
23 05 93 00-0107 EA Up To 100', >4" To 10" Piping, Pneumatic Testing.....	854.96	
Note: Includes soaping joints.		
23 05 93 00-0108 EA >100' To 250', >4" To 10" Piping, Pneumatic Testing.....	1,206.44	
Note: Includes soaping joints.		
23 05 93 00-0109 EA >250' To 500', >4" To 10" Piping, Pneumatic Testing.....	1,251.85	
Note: Includes soaping joints.		
23 05 93 00-0110 EA >500' To 1,000', >4" To 10" Piping, Pneumatic Testing.....	1,600.10	
Note: Includes soaping joints.		
23 05 93 00-0111 EA >1,000' To 2,000', >4" To 10" Piping, Pneumatic Testing.....	2,506.28	
Note: Includes soaping joints.		
23 05 93 00-0112 EA Up To 100', >10" To 14" Piping, Pneumatic Testing.....	1,113.28	
Note: Includes soaping joints.		
23 05 93 00-0113 EA >100' To 250', >10" To 14" Piping, Pneumatic Testing.....	1,568.51	
Note: Includes soaping joints.		
23 05 93 00-0114 EA >250' To 500', >10" To 14" Piping, Pneumatic Testing.....	1,627.97	
Note: Includes soaping joints.		
23 05 93 00-0115 EA >500' To 1,000', >10" To 14" Piping, Pneumatic Testing.....	2,080.69	
Note: Includes soaping joints.		
23 05 93 00-0116 EA >1,000' To 2,000', >10" To 14" Piping, Pneumatic Testing.....	3,263.72	
Note: Includes soaping joints.		

**23 05 93 00-0117****EPA Testing Of Sludge** (23 05 93)

23 05 93 00-0118 EA Flashpoint And Lead Test For Lead.....	572.90	
23 05 93 00-0119 EA Air Test/Combustion Gas Level.....	55.46	
23 05 93 00-0120 EA Toxicity Test For Heavy Metals.....	879.70	
23 05 93 00-0121 EA Aboveground Tank Water Settlement Test Including Water.....	666.99	

**23 07 HVAC Insulation** (23)**23 07 13 Duct Insulation** (23 07)

Note: Based on SF surface area of duct to receive insulation.

**23 07 13 00-0001****FSK Fiber Glass Duct Wrap Insulation** (23 07 13)

Note: Foil-scrim kraft (FSK) facing lapped and joints sealed vapor tight.

**23 07 13 00-0002****Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation** (23 07 13 00-0001)

23 07 13 00-0003 SF 1" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	1.93	1.24
<i>For Plain Blanket, With No Facing, Deduct</i>		
<i>For Work In Restricted Working Space, Add</i>		
	-0.11	
	0.50	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 07 HVAC Insulation****23 07 13 Duct Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 13 00-0004 SF 1-1/2" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation ..... <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2.26 -0.13 0.58	1.24
23 07 13 00-0005 SF 2" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation ..... <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2.56 -0.14 0.66	1.86
23 07 13 00-0006 SF 3" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation ..... <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	3.03 -0.18 0.78	2.17
23 07 13 00-0007 SF 4" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation ..... <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	3.47 -0.28 0.83	2.35
<b>23 07 13 00-0008 Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)</b>		
23 07 13 00-0009 SF 1" Thick, Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation ..... <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2.39 -0.13 0.62	1.86
23 07 13 00-0010 SF 1-1/2" Thick, Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation ..... <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2.77 -0.16 0.71	2.17
23 07 13 00-0011 SF 2" Thick, Type 100 (1.0 LB/CF) Fiber Glass FSK Duct Wrap Insulation ..... <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	3.28 -0.19 0.84	2.48
<b>23 07 13 00-0012 Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)</b>		
23 07 13 00-0013 SF 1" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation ..... <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	3.04 -0.22 0.75	2.48
23 07 13 00-0014 SF 1-1/2" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation ..... <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	3.81 -0.38 0.86	2.78
23 07 13 00-0015 SF 2" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation ..... <i>For Plain Blanket, With No Facing, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	4.44 -0.45 0.99	3.10
<b>23 07 13 00-0016 3 LB/CF FSK Rigid Fiber Glass Board Insulation (23 07 13)</b>		
Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fasteners.		
23 07 13 00-0017 SF 1" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation ..... <i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i> <i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i> <i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i> <i>For Work In Restricted Working Space, Add</i>	5.73 13.38 9.86 8.14 1.65	3.44
23 07 13 00-0018 SF 1-1/2" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation ..... <i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i> <i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i> <i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i> <i>For Work In Restricted Working Space, Add</i>	7.02 16.30 12.05 9.94 2.01	4.18
23 07 13 00-0019 SF 2" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation ..... <i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i> <i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i> <i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i> <i>For Work In Restricted Working Space, Add</i>	8.51 19.69 14.57 12.02 2.42	5.04
<b>23 07 13 00-0020 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation (23 07 13)</b>		
Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fastener.		
23 07 13 00-0021 SF 1" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation ..... <i>For Work In Restricted Working Space, Add</i>	6.79 1.82	3.78
23 07 13 00-0022 SF 1-1/2" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation ..... <i>For Work In Restricted Working Space, Add</i>	9.03 2.21	4.60
23 07 13 00-0023 SF 2" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation ..... <i>For Work In Restricted Working Space, Add</i>	11.80 2.67	5.55
<b>23 07 13 00-0024 Sheet Flexible Elastomeric Insulation (23 07 13)</b>		
23 07 13 00-0025 SF 3/8" Thick, Sheet Flexible Elastomeric Insulation .....	6.89	1.67
23 07 13 00-0026 SF 1/2" Thick, Sheet Flexible Elastomeric Insulation .....	7.38	1.77
23 07 13 00-0027 SF 3/4" Thick, Sheet Flexible Elastomeric Insulation .....	10.11	1.86
23 07 13 00-0028 SF 1" Thick, Sheet Flexible Elastomeric Insulation .....	11.83	1.96
23 07 13 00-0029 SF 1-1/2" Thick, Sheet Flexible Elastomeric Insulation .....	16.90	2.14
23 07 13 00-0030 SF 2" Thick, Sheet Flexible Elastomeric Insulation .....	20.17	2.32
<b>23 07 13 00-0031 Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation (23 07 13)</b>		
Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0032 SF 1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	10.85	1.77
23 07 13 00-0033 SF 3/4" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	12.02	1.86
23 07 13 00-0034 SF 1" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	13.49	1.96
23 07 13 00-0035 SF 1-1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	21.89	2.14



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 13 00-0036 SF 2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation.....	26.13	2.32
<b>23 07 13 00-0037 Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation</b> <small>(23 07 13)</small>		
Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0038 SF 1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	13.32	1.77
23 07 13 00-0039 SF 3/4" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	14.49	1.86
23 07 13 00-0040 SF 1" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	16.40	1.96
23 07 13 00-0041 SF 1-1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	24.77	2.14
 <b>23 07 16 HVAC Equipment Insulation</b> <small>(23 07)</small>		
<b>23 07 16 00-0001 Calcium Silicate Block Insulation</b> <small>(23 07 16)</small>		
23 07 16 00-0002 SF 1" Thick, Calcium Silicate Block Insulation .....	10.91	4.13
<i>For Work In Restricted Working Space, Add</i>		
	2.48	
23 07 16 00-0003 SF 1-1/2" Thick, Calcium Silicate Block Insulation .....	13.26	4.64
<i>For Work In Restricted Working Space, Add</i>		
	2.79	
23 07 16 00-0004 SF 2" Thick, Calcium Silicate Block Insulation .....	16.05	5.36
<i>For Work In Restricted Working Space, Add</i>		
	3.23	
23 07 16 00-0005 SF 2-1/2" Thick, Calcium Silicate Block Insulation .....	19.20	6.29
<i>For Work In Restricted Working Space, Add</i>		
	3.77	
23 07 16 00-0006 SF 3" Thick, Calcium Silicate Block Insulation .....	23.43	7.74
<i>For Work In Restricted Working Space, Add</i>		
	4.64	
 <b>23 07 19 HVAC Piping Insulation</b> <small>(23 07)</small>		
See CSI section 22 07 19 00-0000 for pipe insulation.		
<b>23 07 19 00-0001 Calcium Silicate Pipe Insulation</b> <small>(23 07 19)</small>		
Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0558 for protective jacketing.		
<b>23 07 19 00-0002 1" Thick, Calcium Silicate Pipe Insulation</b> <small>(23 07 19 00-0001)</small>		
23 07 19 00-0003 LF 1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation .....	10.30	2.04
<i>For Work In Restricted Working Space, Add</i>		
	1.53	
23 07 19 00-0004 LF 3/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation .....	10.30	2.04
<i>For Work In Restricted Working Space, Add</i>		
	1.53	
23 07 19 00-0005 LF 1" Diameter Pipe, 1" Thick Calcium Silicate Insulation .....	10.14	2.07
<i>For Work In Restricted Working Space, Add</i>		
	1.55	
23 07 19 00-0006 LF 1-1/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation .....	10.30	2.10
<i>For Work In Restricted Working Space, Add</i>		
	1.57	
23 07 19 00-0007 LF 1-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation .....	10.43	2.13
<i>For Work In Restricted Working Space, Add</i>		
	1.60	
23 07 19 00-0008 LF 2" Diameter Pipe, 1" Thick Calcium Silicate Insulation .....	11.35	2.18
<i>For Work In Restricted Working Space, Add</i>		
	1.64	
23 07 19 00-0009 LF 2-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation .....	11.90	2.27
<i>For Work In Restricted Working Space, Add</i>		
	1.70	
23 07 19 00-0010 LF 3" Diameter Pipe, 1" Thick Calcium Silicate Insulation .....	12.52	2.33
<i>For Work In Restricted Working Space, Add</i>		
	1.75	
23 07 19 00-0011 LF 4" Diameter Pipe, 1" Thick Calcium Silicate Insulation .....	14.64	2.51
<i>For Work In Restricted Working Space, Add</i>		
	1.88	
23 07 19 00-0012 LF 6" Diameter Pipe, 1" Thick Calcium Silicate Insulation .....	16.21	2.83
<i>For Work In Restricted Working Space, Add</i>		
	2.12	
<b>23 07 19 00-0013 1-1/2" Thick, Calcium Silicate Pipe Insulation</b> <small>(23 07 19 00-0001)</small>		
23 07 19 00-0014 LF 1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation .....	10.79	2.12
<i>For Work In Restricted Working Space, Add</i>		
	1.59	
23 07 19 00-0015 LF 3/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation .....	10.88	2.12
<i>For Work In Restricted Working Space, Add</i>		
	1.59	
23 07 19 00-0016 LF 1" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation .....	11.71	2.25
<i>For Work In Restricted Working Space, Add</i>		
	1.69	
23 07 19 00-0017 LF 1-1/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation .....	12.29	2.29
<i>For Work In Restricted Working Space, Add</i>		
	1.72	
23 07 19 00-0018 LF 1-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation .....	12.88	2.33
<i>For Work In Restricted Working Space, Add</i>		
	1.75	
23 07 19 00-0019 LF 2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation .....	13.91	2.46
<i>For Work In Restricted Working Space, Add</i>		
	1.85	
23 07 19 00-0020 LF 2-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation .....	14.74	2.50
<i>For Work In Restricted Working Space, Add</i>		
	1.88	
23 07 19 00-0021 LF 3" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation .....	15.32	2.59
<i>For Work In Restricted Working Space, Add</i>		
	1.94	
23 07 19 00-0022 LF 4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation .....	17.26	2.79
<i>For Work In Restricted Working Space, Add</i>		
	2.10	
23 07 19 00-0023 LF 6" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation .....	19.96	3.27
<i>For Work In Restricted Working Space, Add</i>		
	2.45	
23 07 19 00-0024 LF 8" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation .....	24.26	3.45
<i>For Work In Restricted Working Space, Add</i>		
	2.59	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 07 HVAC Insulation****23 07 19 HVAC Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0025 LF 10" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	31.01 3.10	4.13
23 07 19 00-0026 LF 12" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	36.57 3.61	4.81
23 07 19 00-0027 LF 14" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	40.92 3.95	5.27
23 07 19 00-0028 LF 16" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	47.83 5.03	6.71
23 07 19 00-0029 LF 18" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	51.95 5.28	7.04
<b>23 07 19 00-0030 2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)</b>		
23 07 19 00-0031 LF 1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	14.50 1.75	2.33
23 07 19 00-0032 LF 3/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	14.97 1.75	2.33
23 07 19 00-0033 LF 1" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	15.53 1.77	2.36
23 07 19 00-0034 LF 1-1/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	16.29 1.79	2.39
23 07 19 00-0035 LF 1-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	16.82 1.82	2.42
23 07 19 00-0036 LF 2" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	17.58 1.88	2.51
23 07 19 00-0037 LF 2-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	20.10 1.95	2.59
23 07 19 00-0038 LF 3" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	20.37 2.02	2.68
23 07 19 00-0039 LF 4" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	22.87 2.12	2.84
23 07 19 00-0040 LF 6" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	28.19 2.55	3.40
23 07 19 00-0041 LF 8" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	32.43 2.69	3.59
23 07 19 00-0042 LF 10" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	40.19 3.22	4.30
23 07 19 00-0043 LF 12" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	45.58 3.86	5.15
23 07 19 00-0044 LF 14" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	53.93 5.38	7.17
23 07 19 00-0045 LF 16" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	57.60 5.38	7.17
23 07 19 00-0046 LF 18" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	62.12 5.65	7.54
23 07 19 00-0047 LF 20" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	74.82 6.46	8.62
23 07 19 00-0048 LF 24" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	86.32 7.80	10.40
<b>23 07 19 00-0049 2-1/2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)</b>		
23 07 19 00-0050 LF 1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	17.63 2.02	2.69
23 07 19 00-0051 LF 3/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	18.12 2.02	2.69
23 07 19 00-0052 LF 1" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	18.45 2.05	2.73
23 07 19 00-0053 LF 1-1/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	18.63 2.06	2.75
23 07 19 00-0054 LF 1-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	19.22 2.08	2.77
23 07 19 00-0055 LF 2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	20.04 2.17	2.89
23 07 19 00-0056 LF 2-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	23.10 2.24	2.99
23 07 19 00-0057 LF 3" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	23.36 2.32	3.10
23 07 19 00-0058 LF 4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	27.66 2.45	3.26
23 07 19 00-0059 LF 6" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	35.21 2.78	3.70
23 07 19 00-0060 LF 8" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	40.41 3.10	4.14
23 07 19 00-0061 LF 10" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	48.64 3.58	4.76
23 07 19 00-0062 LF 12" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	55.77 4.44	5.92
23 07 19 00-0063 LF 14" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	61.87 4.85	6.47
23 07 19 00-0064 LF 16" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	74.22 6.20	8.26
23 07 19 00-0065 LF 18" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	78.48 6.51	8.68



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0066 LF 20" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	91.38 <i>7.44</i>	9.92
23 07 19 00-0067 LF 24" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	106.64 <i>8.99</i>	11.99
<b>23 07 19 00-0068 3" Thick, Calcium Silicate Pipe Insulation</b> <small>(23 07 19 00-0001)</small>		
23 07 19 00-0069 LF 1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	23.16 <i>2.23</i>	2.98
23 07 19 00-0070 LF 3/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	23.27 <i>2.23</i>	2.98
23 07 19 00-0071 LF 1" Diameter Pipe, 3" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	23.46 <i>2.26</i>	3.01
23 07 19 00-0072 LF 1-1/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	23.73 <i>2.27</i>	3.03
23 07 19 00-0073 LF 1-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	23.95 <i>2.30</i>	3.06
23 07 19 00-0074 LF 2" Diameter Pipe, 3" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	24.74 <i>2.38</i>	3.18
23 07 19 00-0075 LF 2-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	27.98 <i>2.46</i>	3.28
23 07 19 00-0076 LF 3" Diameter Pipe, 3" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	28.43 <i>2.55</i>	3.40
23 07 19 00-0077 LF 4" Diameter Pipe, 3" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	34.44 <i>2.69</i>	3.59
23 07 19 00-0078 LF 6" Diameter Pipe, 3" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	41.25 <i>3.06</i>	4.08
23 07 19 00-0079 LF 8" Diameter Pipe, 3" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	48.35 <i>3.41</i>	4.54
23 07 19 00-0080 LF 10" Diameter Pipe, 3" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	57.77 <i>3.93</i>	5.25
23 07 19 00-0081 LF 12" Diameter Pipe, 3" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	65.70 <i>4.89</i>	6.52
23 07 19 00-0082 LF 14" Diameter Pipe, 3" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	73.20 <i>5.34</i>	7.11
23 07 19 00-0083 LF 16" Diameter Pipe, 3" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	83.95 <i>6.82</i>	9.09
23 07 19 00-0084 LF 18" Diameter Pipe, 3" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	91.08 <i>7.16</i>	9.54
23 07 19 00-0085 LF 20" Diameter Pipe, 3" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	107.24 <i>8.19</i>	10.92
23 07 19 00-0086 LF 24" Diameter Pipe, 3" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	126.25 <i>9.89</i>	13.19
<b>23 07 19 00-0087 3-1/2" Thick, Calcium Silicate Pipe Insulation</b> <small>(23 07 19 00-0001)</small>		
23 07 19 00-0088 LF 1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	30.69 <i>2.45</i>	3.26
23 07 19 00-0089 LF 3/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	32.12 <i>2.45</i>	3.26
23 07 19 00-0090 LF 1" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	32.17 <i>2.46</i>	3.28
23 07 19 00-0091 LF 1-1/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	32.23 <i>2.48</i>	3.30
23 07 19 00-0092 LF 1-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	33.38 <i>2.51</i>	3.35
23 07 19 00-0093 LF 2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	35.63 <i>2.60</i>	3.46
23 07 19 00-0094 LF 2-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	39.07 <i>2.69</i>	3.58
23 07 19 00-0095 LF 3" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	40.46 <i>2.78</i>	3.70
23 07 19 00-0096 LF 4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	46.77 <i>2.94</i>	3.91
23 07 19 00-0097 LF 6" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	52.01 <i>3.34</i>	4.45
23 07 19 00-0098 LF 8" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	64.36 <i>3.72</i>	4.95
23 07 19 00-0099 LF 10" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	78.89 <i>4.29</i>	5.72
23 07 19 00-0100 LF 12" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	95.09 <i>5.33</i>	7.10
23 07 19 00-0101 LF 14" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	99.58 <i>5.82</i>	7.76
23 07 19 00-0102 LF 16" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	114.19 <i>7.44</i>	9.92
23 07 19 00-0103 LF 18" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	133.34 <i>7.81</i>	10.41
23 07 19 00-0104 LF 20" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	142.39 <i>8.93</i>	11.92
<b>23 07 19 00-0105 4" Thick, Calcium Silicate Pipe Insulation</b> <small>(23 07 19 00-0001)</small>		



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 07 HVAC Insulation****23 07 19 HVAC Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0106 LF 1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	39.33	3.62
For Work In Restricted Working Space, Add	2.72	
23 07 19 00-0107 LF 3/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	39.37	3.62
For Work In Restricted Working Space, Add	2.72	
23 07 19 00-0108 LF 1" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	39.53	3.68
For Work In Restricted Working Space, Add	2.76	
23 07 19 00-0109 LF 1-1/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	40.76	3.72
For Work In Restricted Working Space, Add	2.80	
23 07 19 00-0110 LF 1-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	43.40	3.84
For Work In Restricted Working Space, Add	2.89	
23 07 19 00-0111 LF 2" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	44.20	3.97
For Work In Restricted Working Space, Add	2.97	
23 07 19 00-0112 LF 2-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	48.95	4.03
For Work In Restricted Working Space, Add	3.02	
23 07 19 00-0113 LF 3" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	50.30	4.18
For Work In Restricted Working Space, Add	3.13	
23 07 19 00-0114 LF 4" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	57.84	4.41
For Work In Restricted Working Space, Add	3.31	
23 07 19 00-0115 LF 6" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	67.13	4.99
For Work In Restricted Working Space, Add	3.75	
23 07 19 00-0116 LF 8" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	80.82	5.57
For Work In Restricted Working Space, Add	4.18	
23 07 19 00-0117 LF 10" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	93.01	6.44
For Work In Restricted Working Space, Add	4.83	
23 07 19 00-0118 LF 12" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	104.45	8.00
For Work In Restricted Working Space, Add	6.00	
23 07 19 00-0119 LF 14" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	110.58	8.74
For Work In Restricted Working Space, Add	6.55	
23 07 19 00-0120 LF 16" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	129.10	11.17
For Work In Restricted Working Space, Add	8.38	
23 07 19 00-0121 LF 18" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	137.69	11.70
For Work In Restricted Working Space, Add	8.78	
23 07 19 00-0122 LF 20" Diameter Pipe, 4" Thick Calcium Silicate Insulation .....	151.39	13.40
For Work In Restricted Working Space, Add	10.05	

**23 07 19 00-0123 Weather-Protective Coating For Calcium Silicate Pipe Insulation (23 07 19 00-0001)**

23 07 19 00-0124 SF 1/4" Thick (Two 1/8" Coats), Weatherproof Coating Over Glass Cloth Mesh (Insulokote ET) .....	3.24	
For Work In Restricted Working Space, Add	0.58	

**23 08 Commissioning Of HVAC (23)**

See CSI section 23 05 93 00-0000 for testing and balancing.

**23 09 Instrumentation And Control For HVAC (23)****23 09 23 Direct-Digital Control System For HVAC (23 09)****23 09 23 00-0001 Primary Control Devices (23 09 23)****23 09 23 00-0002 Energy Management - Building Management System (23 09 23 00-0001)**

23 09 23 00-0003 EA Global Control Modules .....	745.91	66.39
23 09 23 00-0004 EA MicroZone II Digital Controller.....	520.93	41.50
23 09 23 00-0005 EA MicroFlo II Variable Air Volume Digital Controller .....	281.92	35.85
23 09 23 00-0006 EA VAV Box DDC Controllers .....	367.38	39.18
23 09 23 00-0007 EA Lighting Control Relay Cabinet .....	966.32	132.79
23 09 23 00-0008 EA Flow Transmitter Assembly - Water (Turbine Type).....	768.54	99.59
23 09 23 00-0009 EA Pressure Transmitter Assembly - Air Streams .....	276.61	33.19
23 09 23 00-0010 EA Differential Pressure Transmitter Assembly - Water .....	232.82	33.19
23 09 23 00-0011 EA Watt Transducer .....	381.72	33.19
23 09 23 00-0012 EA Differential Pressure Switch - Liquid .....	171.51	33.19
23 09 23 00-0013 EA Differential Pressure Switch - Air .....	145.23	33.19
23 09 23 00-0014 EA Differential Pressure Switch - Filters - Indicating .....	162.75	33.19
23 09 23 00-0015 EA Damper End Switch .....	215.30	33.19
23 09 23 00-0016 EA Automatic Dampers .....	550.97	42.49

**23 09 23 00-0017 HVAC Instrumentation (23 09 23)**

23 09 23 00-0018 EA Heat Meter with M-Bus and RS-486. Panel Mount .....	1,038.38	36.76
Note: Contrec Model #212.10.		
23 09 23 00-0019 EA Heat Meter with M-Bus and RS-486. Wall Mount .....	984.46	44.11
Note: Includes high and low alarms. Contrec Model #212.20.		
23 09 23 00-0020 EA Flow Computer. Pulse input with signal conditioner. Panel Mount.....	1,018.91	36.76
Note: Contrec Model #405D.10A.		
23 09 23 00-0021 EA Flow Computer. Pulse input with signal conditioner. Panel Mount.....	1,366.49	36.76
Note: Includes isolated 4-20mA analog output. Contrec Model #405D.11A.		
23 09 23 00-0022 EA Flow Computer. Pulse input with signal conditioner. Panel Mount.....	1,244.14	36.76
Note: Includes RS 232/422/485 Communications. Contrec Model #405D.12A.		
23 09 23 00-0023 EA Gas and Steam Flow Computer. 4-20mA temp. Panel Mount .....	1,600.06	36.76
Note: Contrec Model #415A.10A.		
23 09 23 00-0024 EA Gas and Steam Flow Computer. 4-20mA temp. Panel Mount .....	1,944.85	36.76
Note: Includes isolated 4-20mA analog output. Contrec Model #415A.11A.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0025 EA Gas and Steam Flow Computer. 4-20mA temp. Panel Mount ..... Note: Includes RS 232/422/485 communications. Contrec Model #415A.12A.	1,825.29	36.76
23 09 23 00-0026 EA Gas and Steam Flow Computer. RTD temp. Panel Mount ..... Note: Contrec Model #415R.10A.	1,632.04	36.76
23 09 23 00-0027 EA Gas and Steam Flow Computer. RTD temp. Panel Mount ..... Note: Includes isolated 4-20mA analog output. Contrec Model #415R.11A.	1,978.22	36.76
23 09 23 00-0028 EA Gas and Steam Flow Computer. RTD temp. Panel Mount ..... Note: Includes RS 232/422/485 communications. Contrec Model #415R.12A.	1,857.26	36.76
23 09 23 00-0029 EA Base Model 500 Series Flow Computer. Panel Mount ..... Note: Includes advanced output options, RS 232 communications. Contrec Model #505.112AFN-XX01.	1,356.76	36.76
23 09 23 00-0030 EA Flow Computer, Class 1. Panel Mount ..... Note: Includes advanced output option, logging and backlit display. Contrec Model #515.111AFN-XX01.	1,850.31	36.76
23 09 23 00-0031 EA Flow Computer, Class 2. Panel Mount ..... Note: Includes advanced output option, logging and backlit display. Contrec Model #515.111AFN-XX02.	2,338.31	36.76
23 09 23 00-0032 EA Flow Computer, Class 3. Panel Mount ..... Note: Includes advanced output option, logging and backlit display. Contrec Model #515.111AFN-XX03.	2,708.13	36.76
<b>23 09 23 00-0033 EMCS General Costs</b> <small>(23 09 23)</small>		
<b>23 09 23 00-0034 EMCS System Design Engineering</b> <small>(23 09 23 00-0033)</small>		
Note: Hourly labor rates are used for engineering projects only. Not used in conjunction with construction tasks.		
23 09 23 00-0035 HR EMCS Site Inspection Of Existing Facilities.....	181.95	
23 09 23 00-0036 HR EMCS Engineering Project Management .....	181.95	
23 09 23 00-0037 HR EMCS System Engineering, Schematic Design And Layout .....	192.98	
23 09 23 00-0038 HR EMCS System Software Programming And Graphics Programming.....	192.98	
23 09 23 00-0039 HR EMCS Graphics Picture Creation .....	124.09	
23 09 23 00-0040 HR EMCS System Controls Training .....	181.95	
23 09 23 00-0041 HR EMCS On Site System Diagnostics Field Technician.....	181.95	
23 09 23 00-0042 HR EMCS Remote Technical Support Using Phone Or Internet .....	151.67	
23 09 23 00-0043 HR EMCS Travel Time (All Personnel).....	157.17	
23 09 23 00-0044 PNT EMCS Pre-Functional Tests .....	17.33	
Note: Priced per controller. Task used after warranty period only.		
23 09 23 00-0045 PNT EMCS Functional Performance Tests (Field Based Tests / Trend Analysis).....	22.87	
Note: Priced per controller. Task used after warranty period only.		
23 09 23 00-0046 PNT EMCS Programming / Graphics.....	22.87	
Note: Priced per controller. Task used after warranty period only.		
23 09 23 00-0047 PNT EMCS As-Built / Operation And Maintenance Manuals / Training .....	17.33	
Note: Priced per controller. Task used after warranty period only.		
<b>23 09 23 00-0048 Field Tests, Checkout And Commissioning</b> <small>(23 09 23 00-0033)</small>		
Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.		
23 09 23 00-0049 PNT EMCS Field Test.....	96.52	
Note: Priced per point.		
23 09 23 00-0050 PNT EMCS Field Checkout And Startup.....	96.52	
Note: Priced per point.		
23 09 23 00-0051 PNT EMCS Field Commissioning .....	96.52	
Note: Priced per point.		
23 09 23 00-0052 EA EMCS Field Balance Support.....	82.70	
Note: Priced per controller.		
<b>23 09 23 00-0053 EMCS System Engineering/Submittal Design And Layout</b> <small>(23 09 23 00-0033)</small>		
Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.		
23 09 23 00-0054 PNT EMCS System Engineering/Submittal Design And Layout .....	32.20	
Note: Priced per point.		
<b>23 09 23 00-0055 Install EMCS Field Devices And Controllers (Labor Only)</b> <small>(23 09 23 00-0033)</small>		
Note: This section is used when equipment or devices are supplied by others, usually in a maintenance or trouble shooting situation. Excludes cable or conduit between panel and device.		
23 09 23 00-0056 EA Mount An AHU Control Enclosure On Block, Masonry Or Gypsum Wall .....	166.80	27.57
23 09 23 00-0057 EA Install AHU Power Supply In A Control Enclosure .....	121.30	55.13
23 09 23 00-0058 EA Install Metal Box And Conduit Stub-Up For Sensor In Masonry Wall .....	166.80	27.57
23 09 23 00-0059 EA Install And Wire Room Sensor.....	45.51	27.57
23 09 23 00-0060 EA Install And Wire Duct Sensor.....	60.65	27.57
23 09 23 00-0061 EA Install And Wire AHU Averaging Sensor.....	197.09	137.84
23 09 23 00-0062 EA Install And Wire AHU Humidity Sensor.....	106.16	41.39
23 09 23 00-0063 EA Install And Wire AHU CO2 Sensor.....	151.67	41.39
23 09 23 00-0064 EA Install And Wire Fan Or Filter DP Switch.....	151.67	41.39
23 09 23 00-0065 EA Install And Wire Float Switch .....	121.30	27.57
23 09 23 00-0066 EA Install And Wire Freezestat.....	197.09	137.84
23 09 23 00-0067 EA Install And Wire Duct Static Pressure Sensor.....	106.16	55.13
23 09 23 00-0068 EA Install And Wire Duct High Static Sensor.....	60.65	27.57
23 09 23 00-0069 EA Install And Wire Emergency Stop Switch For AHU Or Other Equipment.....	60.65	27.57
23 09 23 00-0070 EA Install And Wire Emergency Stop Switch For AHU.....	181.95	55.13
23 09 23 00-0071 EA Install And Wire AHU Connection To Starter .....	181.95	137.84
23 09 23 00-0072 EA Install And Wire Connection To VFD .....	333.61	137.84

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0073 EA Install And Wire AHU Valve Actuator.....	91.01	27.57
23 09 23 00-0074 EA Install And Wire AHU Damper Actuator.....	181.95	55.13
23 09 23 00-0075 EA Install And Wire AHU Smoke Detector Or Fire Alarm Relay.....	106.16	41.39
23 09 23 00-0076 EA Install And Wire AHU Electropneumatic Transducer.....	75.79	27.57
23 09 23 00-0077 EA Install And Wire Electric Heat Or Sequencer.....	181.95	55.13
23 09 23 00-0078 EA Install And Wire Connection To Outdoor Compressor.....	424.55	41.39
23 09 23 00-0079 EA Install And Wire AHU Magnahelic.....	151.67	27.57
23 09 23 00-0080 EA Install And Wire AHU Wireway For Control Enclosure.....	181.95	55.13
23 09 23 00-0081 EA Wire And Assemble AHU Control Enclosure.....	333.61	
Note: Includes installing all panel devices for a medium size panel.		
23 09 23 00-0082 EA Field Install And Wire VAV Controller.....	121.30	55.13
Note: Use when VAV box is previously installed.		
23 09 23 00-0083 EA Shop Install And Wire VAV Controller.....	106.16	
23 09 23 00-0084 EA Install And Wire VAV Power Supply.....	45.51	27.57
23 09 23 00-0085 EA Wire VAV Fan In Parallel Or Series Fan Box.....	60.65	27.57
23 09 23 00-0086 EA Install And Wire Fan Coil Unit Controller.....	303.25	82.70
23 09 23 00-0087 EA Mount Fan Coil Unit, Heat Pump, Or Unit Ventilator Controller.....	91.01	
23 09 23 00-0088 EA Install And Wire Central Plant Controller.....	424.55	248.11
Note: For programmable DDC controller.		
23 09 23 00-0089 EA Mount Central Plant Enclosure For DDC Control Enclosure.....	166.80	27.57
Note: For programmable DDC controller.		
23 09 23 00-0090 EA Install Central Plant Power Supply For DDC Programmable Controller.....	121.30	55.13
23 09 23 00-0091 EA Install Central Plant Wireway For Programmable Controller.....	181.95	55.13
23 09 23 00-0092 EA Install And Wire Chiller Controls For Enable And Setpoint Controls.....	363.90	82.70
23 09 23 00-0093 EA Install And Wire Chiller Flow Switch.....	363.90	165.41
23 09 23 00-0094 EA Install And Wire Chiller DP Transmitter.....	1,364.66	82.70
Note: Includes installing copper tubing connection to water piping.		
23 09 23 00-0095 EA Install And Wire Boiler Controls For Enable And Alarm.....	272.96	82.70
23 09 23 00-0096 EA Install And Wire Boiler Safeties.....	272.96	82.70
Note: For high water, low water and flame safeguard.		
23 09 23 00-0097 EA Install Boiler Control Panel Enclosure On Block, Masonry Or Gypsum Wall.....	606.50	344.64
23 09 23 00-0098 EA Wire And Terminate Combustion Air Damper.....	758.16	55.13
23 09 23 00-0099 EA Wire Oil Tank Interlock For Oil Boiler.....	379.04	55.13
23 09 23 00-0100 EA Install And Wire Boiler Emergency Stop Switch.....	758.16	165.41
23 09 23 00-0101 EA Wire And Terminate Temperature Well Sensor.....	75.79	41.39
Note: Excludes well.		
23 09 23 00-0102 EA Install And Wire Strap On Sensor.....	181.95	41.39
23 09 23 00-0103 EA Install And Wire CO2 Sensor For Room Or Space.....	151.67	41.39
Note: Excludes stub-up.		
23 09 23 00-0104 EA Install And Wire Valve Actuator.....	151.67	110.27
23 09 23 00-0105 EA Install And Wire Outside Air Temperature Sensor.....	272.96	82.70
23 09 23 00-0106 EA Install And Wire Outside Air Humidity Sensor.....	136.44	82.70
23 09 23 00-0107 EA Install And Wire Flow Sensor.....	333.61	165.41
23 09 23 00-0108 EA Install And Wire Pressure Sensor For Pump Or Building.....	333.61	165.41
23 09 23 00-0109 EA Install And Wire Pump Starter.....	181.95	41.39
23 09 23 00-0110 EA Install And Wire Pump VFD.....	333.61	82.70
23 09 23 00-0111 EA Install And Wire Pump DP Switch.....	454.91	165.41
Note: Includes installing copper tubing connection to water piping.		
23 09 23 00-0112 EA Install And Wire System DP Transmitter.....	1,516.32	165.41
Note: Includes installing copper tubing connection to water piping and wiring remote transmitter.		
23 09 23 00-0113 EA Mount Starter Sized Up To 100 HP.....	121.30	82.70
23 09 23 00-0114 EA Mount VFD Sized Up To 100 HP.....	303.25	275.68
23 09 23 00-0115 EA Install And Wire Cooling Tower Control Enclosure.....	545.85	165.41
23 09 23 00-0116 EA Install And Wire Vibration Switch For Cooling Tower.....	333.61	165.41
23 09 23 00-0117 EA Install And Wire Cooling Tower Basin Heater.....	181.95	165.41
23 09 23 00-0118 EA Install And Wire Basin Water Temperature Switch.....	181.95	82.70
23 09 23 00-0119 EA Install And Wire Cooling Tower Make-Up Water Valve.....	181.95	165.41
23 09 23 00-0120 EA Install And Wire Cooling Tower Make-Up Water Valve.....	181.95	165.41
23 09 23 00-0121 EA Install And Wire Refrigerant Monitor Panel.....	909.82	344.64
23 09 23 00-0122 EA Install And Wire Break Glass Switch.....	181.95	82.70
23 09 23 00-0123 EA Install And Wire Horn/Strobe For Refrigerant Monitor.....	136.44	55.13
23 09 23 00-0124 EA Install And Wire Damper Actuator.....	181.95	55.13
23 09 23 00-0125 EA Install And Wire Chemical Feed System.....	1,516.32	344.64
23 09 23 00-0126 EA Wire And Assemble Control Enclosure.....	363.90	
Note: Includes installing all panel devices in large size panel.		
23 09 23 00-0127 EA Install And Wire Exhaust Fan DDC Control.....	379.04	68.95
Note: Start or stop and status.		
23 09 23 00-0128 EA Install And Wire Exhaust Fan Thermostat Control.....	121.30	41.39
23 09 23 00-0129 EA Wire Lighting Contactor (Contactor Installed By Others).....	379.04	55.13
23 09 23 00-0130 EA Wire And Terminate Unit Heater.....	121.30	41.39
23 09 23 00-0131 EA Wire Domestic Water Heater For Enable Or Disable.....	379.04	55.13
23 09 23 00-0132 EA Wire And Install Current Transformer KWH Meter (With Power Off).....	1,213.06	330.82
23 09 23 00-0133 EA Wire Water Meter (Meter Installed By Others).....	1,213.06	82.70
23 09 23 00-0134 EA Wire Gas Meter (Meter Installed By Others).....	1,213.06	82.70
23 09 23 00-0135 EA Install Wireless Receiver And Wire To DDC Controls.....	151.67	55.13
23 09 23 00-0136 EA Install Wireless Sensor.....	30.36	13.82
23 09 23 00-0137 EA Wire Split System AC Thermostat.....	606.50	41.39
23 09 23 00-0138 EA Wire Sump Pump Monitor Status Switch.....	454.91	82.70
23 09 23 00-0139 EA Install Locking Cover/Wire Guard For Thermostat Or Wall Temperature Sensor.....	22.06	11.03
23 09 23 00-0140 EA Install And Wire Combination Outside Air Temperature/Outside Air Humidity Sensor.....	409.41	165.41



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0141				Honeywell Controls <small>(23 09 23)</small>		
23 09 23 00-0142				EMCS Central Equipment And Controllers <small>(23 09 23 00-0141)</small>		
23 09 23 00-0143				Computer Equipment And Printers <small>(23 09 23 00-0142)</small> See CSI section 11 28 13 00-0000 for PCs, monitors and printers.		
23 09 23 00-0144				EMCS Network Area Controllers (BACnet Or Lon) <small>(23 09 23 00-0142)</small> Note: Includes loading software, software license, loading data base and mounting on wall.		
23 09 23 00-0145	EA			Network Area Java Controller Supporting 126 Devices (Honeywell WC2003B2004) .....7,157.99 Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 minimum RS-232 serial ports, 1 minimum RS-485 electrically isolated ports, 1 LonWorks port (supports 126 devices), and web user interface software.	7,157.99	358.38
23 09 23 00-0146	EA			Network Area Java Controller Supporting 27 Devices (Honeywell WC2003B1022) .....4,904.37 Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-232 port, 1 RS-485 port, 1 LonWorks port with driver, Lon tunnel service, BACnet driver, wind river VxWorks OS with Jeode java virtual machine, Niagara control engine and web user interface software (supports 27 device).	4,904.37	358.38
23 09 23 00-0147	EA			Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201) .....3,761.91 Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Supports up to 10 devices.	3,761.91	358.38
23 09 23 00-0148	EA			Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-EZ) .....4,671.04 Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Includes WEB user interface and Enterprise connectivity pack.	4,671.04	358.38
23 09 23 00-0149	EA			Niagara Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LN) .....3,730.61 Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485 communications. Includes Niagara network ethernet communication between stations.	3,730.61	358.38
23 09 23 00-0150	EA			Web UI Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LU) .....3,730.61 Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485.	3,730.61	358.38
23 09 23 00-0151	EA			16 Point BACnet IP Network Area Java Controller (Honeywell WEB-216-B) .....4,045.04 Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	4,045.04	358.38
23 09 23 00-0152	EA			16 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-216-BU) .....4,375.11 Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	4,375.11	358.38
23 09 23 00-0153	EA			16 Point Niagara Network Area Java Controller (Honeywell WEB-216-N) .....4,045.04 Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	4,045.04	358.38
23 09 23 00-0154	EA			16 Point Web UI And Niagara Network Area Java Controller (Honeywell WEB-216-NU) .....4,375.11 Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	4,375.11	358.38
23 09 23 00-0155	EA			34 Point BACnet IP Network Area Java Controller (Honeywell WEB-234-B) .....4,377.96 Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	4,377.96	358.38
23 09 23 00-0156	EA			34 Point Web UI and BACnet IP Network Area Java Controller (Honeywell WEB-234-BU) .....4,708.03 Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	4,708.03	358.38
23 09 23 00-0157	EA			34 Point Niagara Network Area Java Controller (Honeywell WEB-216-N) .....4,377.96 Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	4,377.96	358.38
23 09 23 00-0158	EA			34 Point Web UI and Niagara Network Area Java Controller (Honeywell WEB-216-NU) .....4,708.03 Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	4,708.03	358.38
23 09 23 00-0159	EA			Network Area Java Controller Supporting 27 Devices (Controller Only) (Honeywell WEB-403-AX) .....4,655.39 Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	4,655.39	358.38
23 09 23 00-0160	EA			Unrestricted Network Area Java Controller Supporting 27 Devices (Controller Only) .....5,758.02 Note: Unrestricted limit on connected devices. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. Honeywell WEB-403-EXP-AX. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	5,758.02	358.38
23 09 23 00-0161	EA			Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EZ) .....6,098.05 Note: Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	6,098.05	358.38
23 09 23 00-0162	EA			Expanded Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EXP-EZ) .....7,200.67 Note: Unrestricted limit on connected devices. Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	7,200.67	358.38

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0163 EA Network Area Java Controller Supporting 124 Devices (Controller Only) (Honeywell WEB-545-AX).....	6,113.70	358.38
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other WEBS controllers, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Excludes UI service and Enterprise connectivity service.		
23 09 23 00-0164 EA Easy Pack Network Area Java Controller Supporting 124 Devices (Honeywell WEB-545-EZ) .....	8,215.09	358.38
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other JACEs, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Includes WEB-545-AX plus User Interface Station Pack (UI-SP-5XX) and Enterprise Connectivity Station Pack (EC-SP-5XX) bundled as an "easy-order" bundle.		
<b>23 09 23 00-0165 EMCS Network Interfaces</b> <small>(23 09 23 00-0142)</small>		
Note: Includes installation, start-up and tech labor.		
23 09 23 00-0166 EA Serial LonTalk Adapter For LonWorks Bus And A PC (Honeywell Q7760A2001) .....	1,029.32	99.25
Note: For desktop computer.		
23 09 23 00-0167 EA Serial LonTalk Card For LonWorks Bus And A PC (Honeywell Q7752B2009) .....	876.37	66.16
Note: For laptop computer.		
23 09 23 00-0168 EA FTT-10 To FTT-10 Router (Honeywell Q7751A2010).....	1,119.13	124.09
23 09 23 00-0169 EA 4FTT-10 To TP/FTT-1250 Multi Port Router (Honeywell Q7751J2002).....	1,710.28	179.23
23 09 23 00-0170 EA Two Way Lon Repeater (Honeywell Q7740A1008) .....	886.51	179.23
23 09 23 00-0171 EA FTT Termination Module For Network Bus (Honeywell 209541B).....	64.87	22.06
<b>23 09 23 00-0172 DDC Application Specific Controller Assemblies</b> <small>(23 09 23 00-0142)</small>		
Note: Includes submittal generation, installation, field test, checkout and start-up. Includes control enclosure, transformer, terminal strip and ancillary devices. (For example, fan coil unit include valves, actuators with controller and thermostat; VAVs include controller, thermostat and hot water valve if VAV has reheat coil). Excludes graphics and database generation. Excludes discharge air sensor.		
23 09 23 00-0173 EA Up To 10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	1,651.97	512.77
23 09 23 00-0174 EA >10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies .....	1,376.29	303.61
23 09 23 00-0175 EA Up To 10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies.....	1,767.76	512.77
23 09 23 00-0176 EA >10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies .....	1,492.08	333.75
23 09 23 00-0177 EA Up To 10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies .....	1,952.38	570.69
23 09 23 00-0178 EA >10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies .....	1,745.58	427.86
23 09 23 00-0179 EA Up To 10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies.....	2,357.59	570.69
23 09 23 00-0180 EA >10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies .....	2,068.17	436.68
23 09 23 00-0181 EA Up To 10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies .....	1,464.42	570.69
23 09 23 00-0182 EA >10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	1,188.74	337.43
23 09 23 00-0183 EA Up To 10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies .....	1,616.09	570.69
23 09 23 00-0184 EA >10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies.....	1,340.33	380.07
23 09 23 00-0185 EA Up To 10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies.....	1,948.84	570.69
23 09 23 00-0186 EA >10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies .....	1,667.65	336.70
23 09 23 00-0187 EA Up To 10 Field Installed Application Specific Fan Coil Unit Controller Assemblies.....	2,100.50	570.69
23 09 23 00-0188 EA >10 Field Installed Application Specific Fan Coil Unit Controller Assemblies .....	1,819.23	379.33
23 09 23 00-0189 EA Up To 10 Factory Installed Application Specific Unit Ventilator Controller Assemblies.....	2,457.62	570.69
23 09 23 00-0190 EA >10 Factory Installed Application Specific Unit Ventilator Controller Assemblies .....	2,206.79	364.63
23 09 23 00-0191 EA Up To 10 Field Installed Application Specific Unit Ventilator Controller Assemblies.....	2,760.94	570.69
23 09 23 00-0192 EA >10 Field Installed Application Specific Unit Ventilator Controller Assemblies.....	2,510.03	427.12
<b>23 09 23 00-0193 DDC Programmable Controller Assemblies</b> <small>(23 09 23 00-0142)</small>		
Note: Includes installation, field test, checkout and start-up. Includes control enclosure, transformer and terminal strip only. Excludes ancillary devices. Excludes submittal generation/system engineering and database generation. See CSI section 23 09 23 00-0200 for additional components.		
23 09 23 00-0194 EA 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies.....	1,681.58	438.37
23 09 23 00-0195 EA Oversized Enclosure 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies .....	1,951.35	438.37
23 09 23 00-0196 EA 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies .....	2,612.96	515.56
23 09 23 00-0197 EA Oversized Enclosure 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies .....	2,882.73	515.56
23 09 23 00-0198 EA 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies.....	4,756.26	603.78
23 09 23 00-0199 EA Oversized Enclosure 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies.....	5,068.10	603.78
<b>23 09 23 00-0200 EMCS Optional DDC Controller Hardware</b> <small>(23 09 23 00-0142)</small>		
Note: Used to expand the capacity of DDC programmable controller assemblies.		
23 09 23 00-0201 EA 6 DO (Repay), 3 AI, 3 DI AHU Controller (Honeywell W7750A2005) .....	324.38	
Note: For constant volume single zone and heat pump AHUs.		
23 09 23 00-0202 EA 6 AI, 5 DI, 8 DO (Triac) AHU Controller (Honeywell W7750B2011).....	374.89	
Note: For constant volume single zone and heat pump AHUs.		
23 09 23 00-0203 EA 3 AO, 6 AI, 5 DI, 5 DO (Triac) AHU Controller (Honeywell W7750C2001) .....	392.68	
Note: For constant volume single zone and heat pump AHUs.		
23 09 23 00-0204 EA VAV Controller Compatible Printed Wiring Board (Honeywell W7751B2010).....	370.62	
23 09 23 00-0205 EA VAV Controller With Internally Wired Subbase (Honeywell W7751D2016) .....	376.31	
23 09 23 00-0206 EA VAV Controller With Externally Wired Subbase (Honeywell W7751F2011).....	367.78	
23 09 23 00-0207 EA VAV Controller With Premounted ML6161 Actuator (Honeywell W7751H2025).....	316.56	
23 09 23 00-0208 EA VAV Controller With Premounted ML6161 Actuator (Honeywell W7751J2004) .....	275.30	
23 09 23 00-0209 EA Fan Coil Unit Controller With Electric Reheat Relay (Honeywell W7752F2002).....	403.35	
23 09 23 00-0210 EA Fan Coil Unit Controller Without Electric Reheat Relay (Honeywell W7752G2000) .....	360.66	
23 09 23 00-0211 EA Unit Ventilator Controller With Heating, Cooling, Actuator And Fan Control (Honeywell W7753A2002).....	398.37	
23 09 23 00-0212 EA Building Manager, Monitor And Control HVAC Equipment (Honeywell W7760A2011).....	845.82	
23 09 23 00-0213 EA Plant Controller, Monitor And Control HVAC Equipment (Honeywell W7760C2017).....	1,052.12	
23 09 23 00-0214 EA Remote IO Device For Ancillary Point Monitoring And Control (Honeywell W7761A2002).....	525.70	
23 09 23 00-0215 EA Remote IO, UUKL-UL 864 Approved (Honeywell W7761A2010) .....	517.88	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 09 23 00-0216	EA		Hydronic Controller Without Wall Module (Honeywell W7762B1027).....	253.96	
	23 09 23 00-0217	EA		Hydronic Controller With Built-in Wall Module (Honeywell W7763C1016).....	288.82	
	23 09 23 00-0218	EA		IO Module, 24 Volt AC Without Overrides (Honeywell XFC3A06001).....	533.53	
	23 09 23 00-0219	EA		IO Module, 24 Volt AC With Overrides (Honeywell XFC3D06001).....	570.52	
	23 09 23 00-0220	EA		AI Module (Honeywell XFL521B).....	357.11	
	23 09 23 00-0221	EA		AO Module (Honeywell XFL522B).....	357.11	
	23 09 23 00-0222	EA		DI Module (Honeywell XFL523B).....	357.11	
	23 09 23 00-0223	EA		DO Module (Honeywell XFL524B).....	357.11	
	23 09 23 00-0224	EA		Distributed IO, Lonwork Bus Connector Module With Endplate (Honeywell XSL511).....	63.31	
	23 09 23 00-0225	EA		Distributed IO, Terminal Block For AI, AO And DI Modules (Honeywell XSL513).....	119.51	
	23 09 23 00-0226	EA		Distributed IO, Terminal Block For DO Modules (Honeywell XSL514).....	117.38	
	23 09 23 00-0227	EA		Lon Analog IO Module, 24 Volt AC/DC, 10 Digital Inputs (Honeywell XIO-10DI).....	359.24	
	23 09 23 00-0228	EA		Lon Hub (Honeywell XIO-HUB).....	53.35	
	23 09 23 00-0229	EA		Lon Analog IO, 24 Volt AC/DC, 4 Analog Outputs (Honeywell XIO-4AO).....	359.24	
	23 09 23 00-0230	EA		Lon Digital IO, 24 Volt AC/DC, 4 Digital Inputs (Honeywell XIO-4DI).....	330.79	
	23 09 23 00-0231	EA		Lon Digital IO, 24 Volt AC/DC, 4 Digital Outputs (Honeywell XIO-4DO).....	330.79	
	23 09 23 00-0232	EA		Lon Analog IO, 24 Volt AC/DC, 4 Analog Inputs (Honeywell XIO-4NTC).....	348.57	
	23 09 23 00-0233	EA		Lon Analog IO, 24 Volt AC/DC, 4 Analog PT1000 Inputs (Honeywell XIO-4PT1000).....	348.57	
	23 09 23 00-0234	EA		Lon Analog IO, 24 Volt AC/DC, 8 Analog Inputs (Honeywell XIO-8AI).....	501.52	
	23 09 23 00-0235	EA		16 Point IO Module For Network Area Controllers (Honeywell WEB-IO-16)..... Note: Includes 8 universal inputs, 4 relay outputs, and 4 analog outputs.	591.86	
	23 09 23 00-0236	EA		34 Point IO Module For Network Area Controllers (Honeywell W7750A2005)..... Note: Includes 16 universal inputs, 10 relay outputs, and 8 analog outputs.	1,257.70	
<b>23 09 23 00-0237</b>				<b>DDC Display And Controllers</b> (23 09 23 00-0142)		
	23 09 23 00-0238	EA		Command Display For Use With LonWorks Bus (Honeywell S7760A2031)..... Note: For desktop computer.	1,436.34	99.25
	23 09 23 00-0239	EA		Freely Programmable Controller (Honeywell XCL8010A)..... Note: For desktop computer.	2,208.42	99.25
<b>23 09 23 00-0240</b>				<b>Panel Bus I/O Modules</b> (23 09 23 00-0142)		
	23 09 23 00-0241	EA		8 Analog Input Module (Honeywell XF821A).....	1,090.22	73.51
	23 09 23 00-0242	EA		8 Analog Input Module - Panel Bus (Honeywell XF821AU).....	1,174.06	73.51
	23 09 23 00-0243	EA		8 Analog Output Module (Honeywell XF822A).....	1,085.93	73.51
	23 09 23 00-0244	EA		8 Analog Output Module - Panel Bus (Honeywell XF822AU).....	1,169.41	73.51
	23 09 23 00-0245	EA		12 Binary Input Module (Honeywell XF823A).....	970.21	110.27
	23 09 23 00-0246	EA		12 Binary Input Module - Panel Bus (Honeywell XF823AU).....	1,036.85	110.27
	23 09 23 00-0247	EA		6 Relay Output Module (Honeywell XF824A).....	863.63	73.51
	23 09 23 00-0248	EA		6 Relay Output Module - Panel Bus (Honeywell XF824AU).....	927.34	73.51
	23 09 23 00-0249	EA		8 Analog Input Module- Lon Bus (Honeywell XFL821A).....	1,160.39	73.51
	23 09 23 00-0250	EA		8 Analog Input Module- Lon Bus (Honeywell XFL821AU).....	1,250.47	73.51
	23 09 23 00-0251	EA		8 Analog Output Module- Lon Bus (Honeywell XFL822A).....	1,157.97	73.51
	23 09 23 00-0252	EA		8 Analog Output Module - Lon Bus (Honeywell XFL822AU).....	1,247.81	73.51
	23 09 23 00-0253	EA		12 Binary Input Module- Lon Bus (Honeywell XFL823A).....	1,049.07	110.27
	23 09 23 00-0254	EA		12 Binary Input Module - Lon Bus (Honeywell XFL823AU).....	1,122.71	110.27
	23 09 23 00-0255	EA		6 Relay Output Module- Lon Bus (Honeywell XFL824A).....	951.00	73.51
	23 09 23 00-0256	EA		6 Relay Output Module- Lon Bus (Honeywell XFL824AU).....	1,022.48	73.51
	23 09 23 00-0257	EA		8 Analog Output Module with Overrides - Lon Bus (Honeywell XFLR822A).....	1,432.40	73.51
	23 09 23 00-0258	EA		8 Analog Output Module with Overrides - Lon Bus (Honeywell XFLR822AU).....	1,546.62	73.51
	23 09 23 00-0259	EA		6 Relay Output Module with Overrides- Lon Bus (Honeywell XFLR824A).....	1,226.08	73.51
	23 09 23 00-0260	EA		6 Relay Output Module with Overrides- Lon Bus (Honeywell XFLR824AU).....	1,321.91	73.51
	23 09 23 00-0261	EA		8 Analog Output Module with Overrides - Panel Bus (Honeywell XFR822A).....	1,382.50	73.51
	23 09 23 00-0262	EA		8 Analog Output Module with Overrides - Panel Bus (Honeywell XFR822AU).....	1,492.35	73.51
	23 09 23 00-0263	EA		6 Relay Output Module with Overrides - Panel Bus (Honeywell XFR824A).....	1,172.47	73.51
	23 09 23 00-0264	EA		6 Relay Output Module with Overrides - Panel Bus (Honeywell XFR824AU).....	1,263.62	73.51
	23 09 23 00-0265	EA		3 Actuator Output (Floating Output) Module with Overrides - Panel Bus (Honeywell XFR825A).....	1,135.71	55.13
	23 09 23 00-0266	EA		3 Actuator Output (Floating Output) Module with Overrides - Panel Bus (Honeywell XFR825AU).....	1,226.86	55.13
	23 09 23 00-0267	EA		Y pack with W7751F controller and ML6161B damper actuator (Honeywell Y7751F2001).....	1,265.95	73.51
<b>23 09 23 00-0268</b>				<b>EMCS Software</b> (23 09 23 00-0141)		
<b>23 09 23 00-0269</b>				<b>Software Packages And License</b> (23 09 23 00-0268) Note: Includes installation on equipment.		
	23 09 23 00-0270	EA		On Board Programming Tool For Network Area Controllers (Honeywell WP-AX-WEB)..... Note: Requires UI services to be installed on NAC.	401.21	
	23 09 23 00-0271	EA		Software Upgrade To Provide Unrestricted Connected Device Limit (Honeywell WEB-403-EXUP-AX)..... Note: Upgrade existing network area controller. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	1,530.83	
	23 09 23 00-0272	EA		WEBStation-AX Software For Windows (Honeywell WEB-S-AX)..... Note: Includes Archon database. WEBs controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes one copy of WP-AX (WEBPro-AX).	4,481.63	
	23 09 23 00-0273	EA		Small Building WEBStation-AX Based Software (Honeywell WEB-S-AX-SBS)..... Note: For up to 3 NAC controllers. NAC controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes Archon database.	2,667.64	
	23 09 23 00-0274	EA		Upgrade Small Building To Large Building Software..... Note: Upgrade WEB-S-AX-SBS to WEB-S-AX.	3,024.71	
	23 09 23 00-0275	EA		Additional Copy Of WEBPro-AX (Honeywell WEB-S-AX-W)..... Note: One copy is included with WEB-S-AX and WEBStation-AX.	2,119.50	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0276 EA WEBS Energy Suite (WES) Base Software (Honeywell WES-BASE-AX).....	3,787.66	
Note: Includes license for 10 points of E <sup>2</sup> Profiler and 2 licensed meters of Cost Profiler. Limit of one WES-BASE per WEBStation-AX Supervisor. Additional E <sup>2</sup> Profiler point requirements or Cost Profiler meter requirements may use one or any combination of point/meter bundles. One WES-BASE required per WES project.		
23 09 23 00-0277 EA Perpetual License One Meter Point Bundle Of A Cost Profiler Meter And Two E <sup>2</sup> Profiler Points (Honeywell WES-CP-AX).....	483.35	
Note: Can be combined with the required single instance of VES-BASE as well as with any combination of other EP points and CP meters.		
23 09 23 00-0278 EA Perpetual License For One Point Of E <sup>2</sup> Profiler (Honeywell WES-E2-AX).....	316.18	
Note: Can be combined with the required single instance of VES-BASE as well as with any number of other EP Points and Cost Profiler meters.		
23 09 23 00-0279 EA Perpetual License For An Unlimited Bundle Of E2 Points And CP Meters.....	20,578.84	
Note: Sold on a per server basis. Purchase of this product must be accompanied by VES-M1-ENT-AX maintenance. The first year price of maintenance is included with VES-ENT-AX.		
23 09 23 00-0280 EA Annual Maintenance For Enterprise WEBS-AX Energy Suite (Honeywell WES-M1-ENT-AX).....	18,771.30	
Note: The first year cost of VES-M1-ENT-AX is included with VES-ENT-AX. After the first year VES-M1-ENT-AX maintenance fee will be invoiced annually.		
23 09 23 00-0281 EA Standard WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX).....	7,146.42	
23 09 23 00-0282 EA Small WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX-SBS).....	5,332.43	
23 09 23 00-0283 EA Add 500 Modbus TCP Points To WEBStation With WS-OSD Option (Honeywell WS-MTCP-500).....	1,541.54	
23 09 23 00-0284 EA Add 500 OPC Points To WEBStation With WS-OSD Option (Honeywell WS-OPC-500).....	1,541.54	
23 09 23 00-0285 EA Vykron Oracle Driver For Support Of Oracle Database (Honeywell WS-ORCL).....	10,670.55	
Note: Excludes Oracle.		
23 09 23 00-0286 EA Open System Driver Option (Honeywell WS-SNMP-500).....	1,422.74	
Note: Adds 25 points each of BACnet IP, OPC (client), Modbus TCP and SNMP to a standard WEBStation. Can be purchased with the WS or added later. Web Supervisor required to purchase this option.		
23 09 23 00-0287 EA Add 500 SNMP Points To WEBStation With WS-OSD Option (Honeywell WS-SNMP-500).....	1,541.54	
23 09 23 00-0288 EA WEBStation Software WS-1 And First Copy Of WEBPro Software (Honeywell ZW2000A1003).....	4,031.33	
Note: For a single Honeywell WEB NP controller. Excludes software keys for the additional nodes.		
23 09 23 00-0289 EA WEBStation Additional Node (Honeywell ZW2000B1002).....	1,541.54	
23 09 23 00-0290 EA WEBStation Software And 20 Pack Of Node Software Keys (Honeywell ZW2000C1001).....	25,846.92	
23 09 23 00-0291 EA WEBStation Software And 50 Pack Of Node Software Keys (Honeywell ZW2000D1000).....	47,424.90	
23 09 23 00-0292 EA WEBStation Software And 100 Pack Of Node Software Keys (Honeywell ZW2000E1009).....	82,993.40	
23 09 23 00-0293 EA Master WEBStation Software For Monitoring Multiple WEBStations (Honeywell ZW2000F1008).....	4,268.22	
23 09 23 00-0294 EA Additional Master WEBStation Software Licenses (Honeywell ZW2000G1007).....	2,134.11	
23 09 23 00-0295 EA Additional Copies Of Workplace Pro WP-1 (Web Pro) (Honeywell ZW2001A1001).....	1,681.30	
23 09 23 00-0296 EA Upgrade Existing NAC To Provide Unrestricted Connected Device Limit (Honeywell WC2003B1055).....	1,850.95	
Note: As with other WEBS, capacity is limited by the characteristics of the application including size and complexity.		
<b>23 09 23 00-0297 Initial Database Generation (23 09 23 00-0268)</b>		
23 09 23 00-0298 PNT Database Generation For Central Plant.....	49.33	
23 09 23 00-0299 PNT Database Generation For Programmable Controller.....	49.33	
Note: For VAV AHU, large CV AHU, or heat exchanger, etc.		
23 09 23 00-0300 EA Database Generation For Application Specific Controller.....	49.33	
Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.		
23 09 23 00-0301 EA Replication Of Database Generation For Application Specific Controller.....	34.33	
Note: Price per copy made.		
23 09 23 00-0302 EA Database Generation For Remote IO Modules, Sensors, Etcetera.....	34.33	
<b>23 09 23 00-0303 Application Software Programs (23 09 23 00-0268)</b>		
23 09 23 00-0304 EA Basic Application Program Package.....	2,058.41	
Note: One per project. Includes program inputs, command priorities, alarms, trends for analog and digital points, energy totalization, schedules, calendars, special events, occupied and unoccupied setpoints, ventilation and recirculation modes, hot water reset program, chilled water reset program, condenser water reset program, and fail-over logic.		
23 09 23 00-0305 EA Optimum Start/Stop Program.....	68.81	
Note: Priced per controller requiring optimum start programming.		
23 09 23 00-0306 EA Duty Cycling Program.....	32.49	
23 09 23 00-0307 EA Hot Deck/Cold Deck Reset Application Program.....	3,536.27	
23 09 23 00-0308 EA Boiler Optimization Program.....	4,634.07	
23 09 23 00-0309 EA Chiller Optimization Program.....	6,277.31	
23 09 23 00-0310 EA Lighting Control Program.....	3,029.19	
23 09 23 00-0311 EA Demand Limiting Program.....	60.35	
Note: Priced per controller requiring optimum start programming.		
23 09 23 00-0312 EA Email Alarm Server Configuration.....	2,336.90	
<b>23 09 23 00-0313 Color Graphics Generation (23 09 23 00-0268)</b>		
Note: Priced per page.		
23 09 23 00-0314 EA Single Site Home Page Graphics Page With HTML Navigation Code.....	1,233.43	
23 09 23 00-0315 EA Multi Site Home Page Graphics Page With HTML Navigation Code.....	2,189.92	
23 09 23 00-0316 EA Color Graphics Page For Central Plant.....	560.41	
23 09 23 00-0317 EA Color Graphics Page For Building Floor Plan.....	517.47	
23 09 23 00-0318 EA Replication Of Color Graphics Page For Central Plant.....	281.12	
23 09 23 00-0319 EA Color Graphics Page For Programmable Controller.....	630.46	
Note: For VAV AHU, large CV AHU, or heat exchanger, etc.		
23 09 23 00-0320 EA Replication Of Color Graphics Page For Programmable Controller.....	134.82	
Note: Priced per copy made.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0321 EA Color Graphics Page For Application Specific Controller.....583.12 Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	583.12	
23 09 23 00-0322 EA Replication Of Color Graphics Page For Application Specific Cont.....58.30 Note: Priced per copy made.	58.30	
<b>23 09 23 00-0323 Sensors, Actuators And Control Devices (23 09 23 00-0141)</b> Note: Includes installation, startup, checkout and miscellaneous parts for installation. Excludes conduit, wire and cable. Excludes engineering and programming labor. Each device is considered one control point. No engineering or programming time required for replacement parts.		
<b>23 09 23 00-0324 Special Sensors (23 09 23 00-0323)</b>		
23 09 23 00-0325 EA Dewpoint Sensor (Honeywell C7232B1014).....1,266.49	1,266.49	45.51
23 09 23 00-0326 EA Enthalpy Sensor -25 To 125 F.....1,321.46	1,321.46	45.51
23 09 23 00-0327 EA Outdoor Mounted Temperature And Humidity Transmitter (Honeywell H7635C1002).....599.98	599.98	91.01
23 09 23 00-0328 EA Freezestat (Honeywell L482A1004).....413.55	413.55	151.67
23 09 23 00-0329 EA Wall Mounted Occupancy Sensor.....296.52	296.52	45.51
23 09 23 00-0330 EA Ceiling Mounted Occupancy Sensor.....235.93	235.93	45.51
23 09 23 00-0331 EA I/P Positioner With Gauge.....277.83	277.83	45.51
23 09 23 00-0332 EA Non Communicating Duct Mounted Smoke Detector With Sampling Tube.....332.64	332.64	45.51
23 09 23 00-0333 EA EP Transducer.....277.83	277.83	30.36
23 09 23 00-0334 EA Electric Heat Sequencer.....441.16	441.16	60.65
23 09 23 00-0335 EA Refrigerant leak detector R-134A: The RLD-134A is a solid-state HFC refrigerant leak detector capable of detecting the presence of escaping refrigerant R-134a.....2,279.10	2,279.10	
23 09 23 00-0336 EA Refrigerant leak detector: The RLD-5 is a solid-state CFC refrigerant leak detector capable of detecting the presence of escaping refrigerants. The RLD-5 is field adjustable for five different CFC refrigerant types: R-11, R-12, R-22, R-113, and R-502.....2,086.71	2,086.71	
<b>23 09 23 00-0337 Meters (23 09 23 00-0323)</b>		
23 09 23 00-0338 EA KW/KWh Meter/Current Transformer 208 - 480 Volt, Up To 2,400 Amps.....2,833.41	2,833.41	363.90
23 09 23 00-0339 EA KW/KWh Meter/Current Transformer 208 - 480 Volt, Up To 2,400 Amps With LON interface.....4,113.50	4,113.50	424.55
23 09 23 00-0340 EA Current Transformer For KW Meter 1 - 300 Amps.....988.42	988.42	151.67
23 09 23 00-0341 EA Current Transformer For KW Meter 300 - 800 Amps.....1,130.05	1,130.05	151.67
23 09 23 00-0342 EA Current Transformer For KW Meter 800 - 2,400 Amp.....1,401.66	1,401.66	151.67
<b>23 09 23 00-0343 Direct Coupled Actuators (23 09 23 00-0323)</b>		
23 09 23 00-0344 EA 44 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4105A1002).....376.61	376.61	57.79
23 09 23 00-0345 EA 88 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4110A1200).....416.51	416.51	57.79
23 09 23 00-0346 EA 175 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4120A1209).....485.12	485.12	57.79
23 09 23 00-0347 EA 44 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8105A1008).....353.26	353.26	57.79
23 09 23 00-0348 EA 88 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8110A1206).....396.17	396.17	57.79
23 09 23 00-0349 EA 175 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8120A1205).....438.67	438.67	57.79
23 09 23 00-0350 EA 44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator.....398.52	398.52	57.79
23 09 23 00-0351 EA 88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7510A2206).....459.71	459.71	57.79
23 09 23 00-0352 EA 175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7520A2205).....525.75	525.75	57.79
23 09 23 00-0353 EA 44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7505A2209).....321.43	321.43	57.79
23 09 23 00-0354 EA 88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7510A2209).....354.01	354.01	57.79
23 09 23 00-0355 EA 175 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6120A1200).....419.46	419.46	57.79
23 09 23 00-0356 EA 175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7220A2007).....450.27	450.27	57.79
23 09 23 00-0357 EA 300 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6134A10030).....449.89	449.89	57.79
23 09 23 00-0358 EA 300 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7234A2008).....534.38	534.38	57.79
23 09 23 00-0359 EA Pneumatic Spring Return Damper Actuator Without Positive Positioner (Honeywell MP909E1018).....334.78	334.78	57.79
23 09 23 00-0360 EA Pneumatic Spring Return Damper Actuator With Positive Positioner (Honeywell MP909H1368).....590.44	590.44	57.79
23 09 23 00-0361 EA Foot Mount Kit With Damper Linkage And Connectors For Direct Coupled Actuator.....250.71	250.71	57.79
23 09 23 00-0362 EA Direct Coupled Damper Actuator Enclosure For Outdoor Use.....384.10	384.10	57.79
23 09 23 00-0363 EA 150 IN-LB, 24 Volt AC, Non Spring Return Foot Mounted Actuator (Honeywell M6184D1035).....520.90	520.90	57.79
<b>23 09 23 00-0364 Pneumatic Activated Plastic Control Valves (23 09 23 00-0323)</b>		
<b>23 09 23 00-0365 Polyvinyl Chloride (PVC) Butterfly Valve With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals (23 09 23 00-0364)</b> Note: With NEMA 4X housing.		
23 09 23 00-0366 EA 1-1/2" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals.....2,067.53	2,067.53	22.90
For Low Pressure Steam, Add	202.17	
23 09 23 00-0367 EA 2" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals.....2,076.25	2,076.25	27.27
For Low Pressure Steam, Add	202.17	
23 09 23 00-0368 EA 3" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals.....2,216.86	2,216.86	72.71
For Low Pressure Steam, Add	207.17	



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0369	EA		4" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals.....	2,252.10	109.06
			<i>For Low Pressure Steam, Add</i>	203.36	
23 09 23 00-0370	EA		6" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals.....	2,446.23	145.42
			<i>For Low Pressure Steam, Add</i>	215.49	
23 09 23 00-0371	EA		8" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals.....	2,836.25	163.60
			<i>For Low Pressure Steam, Add</i>	250.93	
<b>23 09 23 00-0372</b>			<b>Polyvinyl Chloride (PVC) Butterfly Valve With Viton Liner And Seals</b> (23 09 23 00-0364)		
			Note: With NEMA 4X housing.		
23 09 23 00-0373	EA		1-1/2" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals.....	2,122.24	22.90
			<i>For Low Pressure Steam, Add</i>	207.64	
23 09 23 00-0374	EA		2" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals.....	2,130.96	27.27
			<i>For Low Pressure Steam, Add</i>	207.64	
23 09 23 00-0375	EA		3" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals.....	2,269.19	72.71
			<i>For Low Pressure Steam, Add</i>	212.40	
23 09 23 00-0376	EA		4" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals.....	2,499.46	109.06
			<i>For Low Pressure Steam, Add</i>	228.10	
23 09 23 00-0377	EA		6" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals.....	3,288.22	145.42
			<i>For Low Pressure Steam, Add</i>	299.69	
23 09 23 00-0378	EA		8" Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals.....	4,244.32	163.60
			<i>For Low Pressure Steam, Add</i>	391.74	
<b>23 09 23 00-0379</b>			<b>Polyvinyl Chloride (PVC), Pneumatically Activated Diaphragm Valve</b> (23 09 23 00-0364)		
			Note: With NEMA 4X housing.		
23 09 23 00-0380	EA		1/2" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve.....	1,152.43	38.54
			<i>For Low Pressure Steam, Add</i>	107.51	
23 09 23 00-0381	EA		3/4" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve.....	1,211.16	45.44
			<i>For Low Pressure Steam, Add</i>	112.03	
23 09 23 00-0382	EA		1" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve.....	1,269.33	51.99
			<i>For Low Pressure Steam, Add</i>	116.55	
23 09 23 00-0383	EA		1-1/4" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve.....	1,551.54	55.26
			<i>For Low Pressure Steam, Add</i>	144.14	
23 09 23 00-0384	EA		1-1/2" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve.....	1,562.56	60.71
			<i>For Low Pressure Steam, Add</i>	144.14	
23 09 23 00-0385	EA		2" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve.....	1,873.76	69.80
			<i>For Low Pressure Steam, Add</i>	173.39	
<b>23 09 23 00-0386</b>			<b>Chlorinated Polyvinyl Chloride (CPVC), Pneumatically Activated Diaphragm Valve</b> (23 09 23 00-0364)		
			Note: With NEMA 4X housing.		
23 09 23 00-0387	EA		1/2" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve.....	1,285.63	38.54
			<i>For Low Pressure Steam, Add</i>	120.83	
23 09 23 00-0388	EA		3/4" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve.....	1,368.14	45.44
			<i>For Low Pressure Steam, Add</i>	127.73	
23 09 23 00-0389	EA		1" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve.....	1,440.59	51.99
			<i>For Low Pressure Steam, Add</i>	133.67	
23 09 23 00-0390	EA		1-1/4" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve.....	1,779.88	55.26
			<i>For Low Pressure Steam, Add</i>	166.97	
23 09 23 00-0391	EA		1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve.....	1,790.90	60.71
			<i>For Low Pressure Steam, Add</i>	166.97	
23 09 23 00-0392	EA		2" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve.....	2,071.17	69.80
			<i>For Low Pressure Steam, Add</i>	193.13	
<b>23 09 23 00-0393</b>			<b>Polyvinyl Chloride (PVC), Pneumatically Activated Diaphragm Valve</b> (23 09 23 00-0364)		
			Note: With VITON seals.		
23 09 23 00-0394	EA		1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals.....	493.06	38.54
			<i>For Low Pressure Steam, Add</i>	41.60	
23 09 23 00-0395	EA		3/4" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals.....	548.32	45.44
			<i>For Low Pressure Steam, Add</i>	45.74	
23 09 23 00-0396	EA		1" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals.....	596.95	51.99
			<i>For Low Pressure Steam, Add</i>	49.30	
23 09 23 00-0397	EA		1-1/4" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals.....	793.74	54.90
			<i>For Low Pressure Steam, Add</i>	68.39	
23 09 23 00-0398	EA		1-1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals.....	797.37	56.71
			<i>For Low Pressure Steam, Add</i>	68.39	
23 09 23 00-0399	EA		2" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals.....	1,003.54	65.81
			<i>For Low Pressure Steam, Add</i>	87.19	
<b>23 09 23 00-0400</b>			<b>Polyvinyl Chloride (PVC), Pneumatically Activated Diaphragm Valve</b> (23 09 23 00-0364)		
			Note: With PTFE seals.		
23 09 23 00-0401	EA		1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals.....	530.07	38.54
			<i>For Low Pressure Steam, Add</i>	45.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0402 EA 3/4" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals..... <i>For Low Pressure Steam, Add</i>	582.38 49.15	45.44
23 09 23 00-0403 EA 1" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals..... <i>For Low Pressure Steam, Add</i>	629.51 52.55	51.99
23 09 23 00-0404 EA 1-1/4" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals..... <i>For Low Pressure Steam, Add</i>	817.43 70.76	54.90
23 09 23 00-0405 EA 1-1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals..... <i>For Low Pressure Steam, Add</i>	821.06 70.76	56.71
23 09 23 00-0406 EA 2" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals..... <i>For Low Pressure Steam, Add</i>	1,019.84 88.82	65.81
<b>23 09 23 00-0407 Polyvinyl Chloride (PVC), Pneumatically Activated Diaphragm Valve</b> <small>(23 09 23 00-0364)</small> Note: With ethylene propylene diene monomer (EPDM) seals.		
23 09 23 00-0408 EA 1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals..... <i>For Low Pressure Steam, Add</i>	438.30 36.12	38.54
23 09 23 00-0409 EA 3/4" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals..... <i>For Low Pressure Steam, Add</i>	480.23 38.93	45.44
23 09 23 00-0410 EA 1" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals..... <i>For Low Pressure Steam, Add</i>	521.45 41.75	51.99
23 09 23 00-0411 EA 1-1/4" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals..... <i>For Low Pressure Steam, Add</i>	701.95 59.22	54.90
23 09 23 00-0412 EA 1-1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals..... <i>For Low Pressure Steam, Add</i>	705.58 59.22	56.71
23 09 23 00-0413 EA 2" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals..... <i>For Low Pressure Steam, Add</i>	889.57 75.80	65.81
<b>23 09 23 00-0414 Three-Way Modular Polyvinyl Chloride (PVC) Ball Valve</b> <small>(23 09 23 00-0364)</small> Note: Equipped for actuator.		
23 09 23 00-0415 EA 1/2" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket .....	100.63	13.08
23 09 23 00-0416 EA 3/4" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket .....	116.56	16.00
23 09 23 00-0417 EA 1" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket .....	125.86	17.09
23 09 23 00-0418 EA 1-1/2" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket .....	237.14	25.82
23 09 23 00-0419 EA 2" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket .....	353.97	52.71
23 09 23 00-0420 EA 3" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket .....	744.80	72.71
23 09 23 00-0421 EA 4" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket .....	1,400.22	109.06
23 09 23 00-0422 EA 2" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Flanged .....	560.90	52.71
23 09 23 00-0423 EA 3" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Flanged .....	1,113.25	123.61
23 09 23 00-0424 EA 4" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Flanged .....	2,022.15	207.23
<b>23 09 23 00-0425 Electric Activated Plastic Control Valves</b> <small>(23 09 23 00-0323)</small> Note: Includes motor.		
<b>23 09 23 00-0426 Two Way Plastic Electric Control Valves With Electric Actuator</b> <small>(23 09 23 00-0425)</small> Note: With NEMA 4X housing.		
<b>23 09 23 00-0427 Two Way Polyvinyl Chloride (PVC) Electric Control Valves, With Electric Actuator</b> <small>(23 09 23 00-0426)</small>		
23 09 23 00-0428 EA 1/2" Two Way Electric Control Valve, Polyvinyl Chloride (PVC) .....	611.48	12.00
23 09 23 00-0429 EA 3/4" Two Way Electric Control Valve, Polyvinyl Chloride (PVC) .....	628.46	14.55
23 09 23 00-0430 EA 1" Two Way Electric Control Valve, Polyvinyl Chloride (PVC) .....	654.44	15.63
23 09 23 00-0431 EA 1-1/4" Two Way Electric Control Valve, Polyvinyl Chloride (PVC) .....	692.76	22.90
23 09 23 00-0432 EA 1-1/2" Two Way Electric Control Valve, Polyvinyl Chloride (PVC) .....	692.76	22.90
23 09 23 00-0433 EA 2" Two Way Electric Control Valve, Polyvinyl Chloride (PVC) .....	753.81	27.27
<b>23 09 23 00-0434 Two Way Chlorinated Polyvinyl Chloride (CPVC) Electric Control Valves, With Electric Actuator</b> <small>(23 09 23 00-0426)</small>		
23 09 23 00-0435 EA 1/2" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC) .....	654.29	12.00
23 09 23 00-0436 EA 3/4" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC) .....	671.28	14.55
23 09 23 00-0437 EA 1" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC) .....	713.90	15.63
23 09 23 00-0438 EA 1-1/4" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC) .....	761.74	22.90
23 09 23 00-0439 EA 1-1/2" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC) .....	761.74	22.90
23 09 23 00-0440 EA 2" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC) .....	841.81	27.27
<b>23 09 23 00-0441 Three Way Plastic Electric Control Valves With Electric Actuator</b> <small>(23 09 23 00-0425)</small> Note: With NEMA 4X housing.		
<b>23 09 23 00-0442 Three Way Polyvinyl Chloride (PVC) Electric Control Valves, With Electric Actuator</b> <small>(23 09 23 00-0441)</small>		
23 09 23 00-0443 EA 1/2" Three Way Electric Control Valve, Polyvinyl Chloride (PVC).....	656.48	13.08
23 09 23 00-0444 EA 3/4" Three Way Electric Control Valve, Polyvinyl Chloride (PVC).....	674.20	16.00
23 09 23 00-0445 EA 1" Three Way Electric Control Valve, Polyvinyl Chloride (PVC).....	707.29	17.09
23 09 23 00-0446 EA 1-1/2" Three Way Electric Control Valve, Polyvinyl Chloride (PVC).....	836.51	25.82
23 09 23 00-0447 EA 2" Three Way Electric Control Valve, Polyvinyl Chloride (PVC).....	1,002.37	52.71

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0448			<b>Three Way Chlorinated Polyvinyl Chloride (CPVC) Electric Control Valves, With Electric Actuator</b> (23 09 23 00-0441)		
23 09 23 00-0449	EA		1/2" Three Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC).....	692.16	13.08
23 09 23 00-0450	EA		3/4" Three Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC).....	719.39	16.00
23 09 23 00-0451	EA		1" Three Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC).....	757.23	17.09
23 09 23 00-0452	EA		1-1/2" Three Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC).....	910.25	25.82
23 09 23 00-0453	EA		2" Three Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC).....	1,109.41	52.71
23 09 23 00-0454			<b>Two Way Plastic Electric Control Butterfly Valves</b> (23 09 23 00-0425) Note: Includes electric actuator. With NEMA 4X housing.		
23 09 23 00-0455			<b>Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals</b> (23 09 23 00-0454)		
23 09 23 00-0456	EA		1-1/2" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals.....	2,143.65	22.90
23 09 23 00-0457	EA		2" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals.....	2,152.37	27.27
23 09 23 00-0458	EA		3" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals.....	2,269.19	72.71
23 09 23 00-0459	EA		4" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals.....	2,739.69	109.06
23 09 23 00-0460	EA		6" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals.....	3,021.83	145.42
23 09 23 00-0461	EA		8" Two Way Butterfly Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals.....	3,411.84	163.60
23 09 23 00-0462			<b>Polyvinyl Chloride (PVC) With Viton Liner And Seals</b> (23 09 23 00-0454)		
23 09 23 00-0463	EA		1-1/2" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals.....	2,412.42	22.90
23 09 23 00-0464	EA		2" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals.....	2,421.14	27.27
23 09 23 00-0465	EA		3" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals.....	2,559.37	72.71
23 09 23 00-0466	EA		4" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals.....	3,153.55	109.06
23 09 23 00-0467	EA		6" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals.....	3,721.11	145.42
23 09 23 00-0468	EA		8" Two Way Butterfly Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals.....	4,582.07	163.60
23 09 23 00-0469			<b>CO2 Sensors</b> (23 09 23 00-0323)		
23 09 23 00-0470	EA		CO2 Sensors Field Equipment, Sensors.....	285.28	26.56
23 09 23 00-0471			<b>Switches</b> (23 09 23 00-0323)		
23 09 23 00-0472	EA		Air Pressure/Static Switch Field Equipment, Switches.....	157.69	33.19
23 09 23 00-0473	EA		Water Pressure/Flow Switch Field Equipment, Switches.....	183.78	33.19
23 09 23 00-0474			<b>Miscellaneous Devices</b> (23 09 23 00-0323)		
23 09 23 00-0475	EA		Contactors 20 Amp Field Equipment.....	183.03	55.03
23 09 23 00-0476	EA		Contactors 30 Amp Field Equipment.....	278.08	73.38
23 09 23 00-0477			<b>Network Manager Main Controller</b> (23 09 23 00-0323) Note: Landis & Staefa.		
23 09 23 00-0478	EA		Network Manager, Without Enclosure (NCRE/A).....	9,304.97	440.26
23 09 23 00-0479			<b>Control Cards (Smart-cards)</b> (23 09 23 00-0323) Note: Landis & Staefa.		
23 09 23 00-0480	EA		Smart-Card With Base And Cover (091-60230-410).....	672.79	73.38
23 09 23 00-0481			<b>Data Transmission Media</b> (23 09 23 00-0323)		
23 09 23 00-0482			<b>Terminal Equipment Controllers</b> (23 09 23 00-0481) Note: Landis & Staefa.		
23 09 23 00-0483	EA		TEC, Variable Air Volume Without Heating Hot Water Valve..... Note: Includes temperature sensors and damper actuator.	2,108.37	340.08
			For No Smart-Card, Deduct	-391.00	
23 09 23 00-0484	EA		TEC, Variable Air Volume With Heating Hot Water Valve..... Note: Includes temperature sensors, water valve actuator and damper actuator.	2,440.02	340.08
			For No Smart-Card, Deduct	-391.00	
23 09 23 00-0485			<b>Remote Monitoring</b> (23 09 23 00-0323)		
23 09 23 00-0486	EA		Advantech ADAM-6015 Analog Module..... Note: For RTDs.	597.53	55.03
23 09 23 00-0487	EA		Advantech ADAM-6050 Digital Module..... Note: For pumps and DI.	360.73	55.03
23 09 23 00-0488	EA		B&B Electronics ESR-901 Ethernet Serial Server..... Note: For chiller, boiler and access controls.	388.59	55.03



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0489 EA Lantronix UDS-10 Ethernet Serial Server ..... Note: For fire alarm.	279.99	55.03
23 09 23 00-0490 EA 24 Volt DC, 2.5 Amp, Power Supply (B&B Electronics DR-60-24).....	214.54	55.03
23 09 23 00-0491 EA B&B Electronics EIR-308 Ethernet Switch 8 Port .....	527.88	55.03
23 09 23 00-0492 EA Pyromation RTD R1T185..... Note: Pyromation R1T185L483-WI4D0408C8-SL-8HN-63 100 ohm Pt. RTD -200 to 204 Deg C.	246.58	55.03
23 09 23 00-0493 EA Hoffman 36" x 36" x 12" Enclosure Stainless Steel 316 With Panel .....	5,162.19	88.05
23 09 23 00-0494 EA IFS-WPS Flow Switch (Potter 9000017).....	309.06	55.03
23 09 23 00-0495 EA Cleveland Controls AFS-222-112 Pressure SW .....	151.51	55.03
23 09 23 00-0496 EA Honeywell S7810M1003 Modbus Module .....	676.30	55.03
23 09 23 00-0497 EA FIREYE EPD160 EP Programmer Code 04 .....	1,382.01	55.03
23 09 23 00-0498 EA FIREYE E110 Flame Monitor.....	873.46	55.03
23 09 23 00-0499 EA FIREYE EPD260 EP Programmer Code 04 .....	1,015.54	55.03
23 09 23 00-0500 EA FIREYE E1R1 Amplifier Module .....	711.09	55.03
<b>23 09 23 00-0501 Thermostats</b> <small>(23 09 23 00-0141)</small>		
<b>23 09 23 00-0502 Electric And Electronic Thermostats</b> <small>(23 09 23 00-0501)</small>		
Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as one control point.		
23 09 23 00-0503 EA Line Voltage 120 Volt, Heat/Cool Thermostat (Honeywell T651A3018) .....	130.75	11.03
23 09 23 00-0504 EA Electronic Non Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell TH5320) .....	140.86	11.03
23 09 23 00-0505 EA Electronic Programmable Heating/Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6110) .....	129.62	11.03
23 09 23 00-0506 EA Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6220) .....	145.01	11.03
23 09 23 00-0507 EA Electronic Programmable Three Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6320) .....	156.59	11.03
23 09 23 00-0508 EA Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH8321) .....	230.73	11.03
23 09 23 00-0509 EA Humidity Control Electronic Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7351F).....	336.33	11.03
23 09 23 00-0510 EA Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350H).....	545.15	11.03
23 09 23 00-0511 EA Modulating Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350M).....	581.43	11.03
<b>23 09 23 00-0512 Pneumatic Thermostats</b> <small>(23 09 23 00-0501)</small>		
Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as two control point.		
23 09 23 00-0513 EA Pneumatic Thermostat (Honeywell TP970B2182) .....	181.24	11.03
<b>23 09 23 00-0514 Thermostats Guards</b> <small>(23 09 23 00-0501)</small>		
23 09 23 00-0515 EA 9-3/4" x 7-1/4" x 3-3/8" Universal Thermostat Guard (Honeywell TG512A1009).....	43.91	11.03
23 09 23 00-0516 EA 7-1/2" x 6-1/2" x 2-15/16" Universal Thermostat Guard (Honeywell TG511) .....	52.34	11.03
23 09 23 00-0517 EA 5-7/8" x 5-7/8" x 2-1/2" Deep Universal Thermostat Guard (Honeywell TG510).....	49.30	11.03
23 09 23 00-0518 EA Thermostat Guard (Honeywell 14002430-001).....	73.18	11.03
<b>23 09 23 00-0519 Disposal Of Mercury Thermostats</b> <small>(23 09 23 00-0501)</small>		
Note: Dispose of existing thermostat in appropriate container.		
23 09 23 00-0520 EA Disposal Of Hazardous Mercury Thermostat .....	7.64	
Note: Includes appropriate containment, disposal or recycling, fees, etc. Excludes demolition.		
<b>23 09 23 00-0521 Delta Controls</b> <small>(23 09 23)</small>		
<b>23 09 23 00-0522 Software</b> <small>(23 09 23 00-0521)</small>		
Note: Excludes programming, set-up and commissioning of application.		
23 09 23 00-0523 EA Orca Software Unlimited Points License (Delta Controls DOW333-USB) .....	1,411.55	
23 09 23 00-0524 EA Orca Graphics Module, Delta Controls Orca View With Graphics Creation Capabilities (Delta Controls DOW333-I-USB) .....	2,364.66	
23 09 23 00-0525 EA Orca Historical Module, Delta Controls Historian Package With Unlimited Archiving Trend Logs (Delta Controls DHS330-HL-USB) .....	5,123.43	
23 09 23 00-0526 EA Web Server Unlimited Points License, Delta Controls Web Server Front End (Delta Controls DWS330-L-USB) .....	8,111.42	
23 09 23 00-0527 EA Web Server Limited Points (Maximum I/O 2500) License, Delta Controls Web Server Front End (Delta Controls DWS330-M-USB) .....	4,170.32	
23 09 23 00-0528 EA Web Server Limited Points (Maximum I/O 250) License, Delta Controls Web Server Front End (Delta Controls DWS330-S-USB).....	1,411.55	
23 09 23 00-0529 EA 100 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.01) .....	3,382.10	
23 09 23 00-0530 EA 1,000 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.02) .....	4,170.32	
23 09 23 00-0531 EA KW Meter With H8163-2400-4-3 Series, With 3, 2,400 Amp CT's And BACnet MS/TP Interface (Delta Controls H8186-CB).....	1,484.27	73.51
23 09 23 00-0532 EA Delta Controls Touch Screen (Delta Controls DHMI-7-I) .....	1,605.85	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0533			<b>EMCS Central Equipment And Controllers</b> (23 09 23 00-0521)		
23 09 23 00-0534	EA		Fully Programmable, Native BACnet Building Controller, 32 Universal Inputs/32 Analog Or Binary Outputs HOA'S, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), SubLAN (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet @ 76800 bps, Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E + DFM1616).....	5,176.27	294.06
23 09 23 00-0535	EA		Fully Programmable, Native BACnet Building Controller, 16 Universal Inputs/16 Analog Or Binary Outputs HOA'S, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), SubLAN (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet @ 76800 Bps (Maximum 12 Devices On LINKnet, With 2 DFM Devices) Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E).....	3,915.12	294.06
23 09 23 00-0536	EA		Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146).....	2,864.81	294.06
23 09 23 00-0537	EA		Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 8 Analog Or Binary Outputs (Delta Controls DAC-1180).....	2,864.81	294.06
23 09 23 00-0538	EA		Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146).....	2,864.81	294.06
23 09 23 00-0539	EA		Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3).....	2,672.74	294.06
23 09 23 00-0540	EA		VAV Controllers Are Native BACnet Application Controllers That Are Fully Programmable, Communicate On A RS-485 LAN Using The MS/TP BACnet Protocol, 3 Universal Inputs, 4 Binary Outputs, Actuator Position Feedback, Supports 4 BACstat Network Sensors On LINKnet For Room Sensing And Control Or 2 Delta Field Modules On LINKnet For I/O Expansion (Delta Controls DVC-304AF).....	936.91	147.03
23 09 23 00-0541	EA		Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240).....	852.17	147.03
23 09 23 00-0542	EA		Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3).....	908.39	147.03
23 09 23 00-0543	EA		Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240).....	852.17	147.03
23 09 23 00-0544	EA		Remotely Expandable I/O To Delta's BACnet Controllers, 16 Universal Inputs, 16 Analog Outputs (Delta Controls DFM-1616).....	1,996.30	183.79
23 09 23 00-0545	EA		Remotely Expandable I/O To Delta's BACnet Controllers, 4 Universal Inputs, 4 Analog Outputs (Delta Controls DFM-440).....	500.67	73.51
23 09 23 00-0546	EA		Remotely Expandable I/O To Delta's BACnet™ Controllers, 4 Universal Inputs, 4 Binary Triac Outputs (Delta Controls DFM-404).....	536.40	73.51
23 09 23 00-0547	EA		Remotely Expandable I/O To Delta's BACnet™ Controllers, 16 Universal Inputs (Delta Controls DFM-1600).....	629.05	73.51
23 09 23 00-0548			<b>Network, VAV And Special Sensors</b> (23 09 23 00-0521)		
23 09 23 00-0549	EA		BACnet MS/TP VAV Network Room Temperature Sensor With LCD Display (Delta Controls DNS-24).....	165.16	23.52
23 09 23 00-0550	EA		BACnet MS/TP VAV Network Temperature And Humidity Sensor With LCD Display (Delta Controls DNS-H24).....	223.80	26.47
23 09 23 00-0551	EA		Programmable BACnet MS/TP Thermostat With 8 Button Keypad And LCD Display For DX Unit, Fan Coils And RTU (Delta Controls DAC-T305-G2B).....	438.73	11.03
23 09 23 00-0552			<b>Trane Controls</b> (23 09 23)		
23 09 23 00-0553			<b>Software</b> (23 09 23 00-0552)		
			Note: Excludes programming, set-up and commissioning of application.		
23 09 23 00-0554	EA		Summit + Building Management Package (Trane 40201152).....	4,245.08	
23 09 23 00-0555	EA		Summit Current Version Software (Trane 40201111).....	2,401.18	
23 09 23 00-0556	EA		Summit Customer Upgrade Package, Currently V10-V16 To V17 (Trane 40201113).....	577.42	
23 09 23 00-0557	EA		Rover Service Software And Hardware, Complete Kit (Trane X1365150001).....	2,387.70	
23 09 23 00-0558	EA		Tracer SC With -X1365152401 - BACnet (2 Pack) (Trane BMS000AAA011000).....	6,576.69	
23 09 23 00-0559			<b>EMCS Central Equipment And Controllers</b> (23 09 23 00-0552)		
23 09 23 00-0560	EA		Summit BTMX Operator Display Upgrade (Trane 40201224).....	3,772.47	294.06
23 09 23 00-0561	EA		Summit BTMX Retrofit Kit For BMTS And BMWV BCU (Trane 49500531).....	8,458.69	294.06
23 09 23 00-0562	EA		Summit BTMX Retrofit Kit For Tracer 100 (Trane 49500532).....	8,458.69	294.06
23 09 23 00-0563	EA		Summit BTMX, 120 Volt, (Trane BMTX-001-A-A-B0-00).....	7,441.15	294.06
23 09 23 00-0564	EA		Summit BTMX, 120 Volt, With Display (Trane BMTX-001-A-A-B0-10).....	8,624.23	294.06
23 09 23 00-0565	EA		Summit CCP Upgrade ROM Kit (Trane 40201095).....	132.41	18.38
23 09 23 00-0566	EA		Summit Comm5 Repeater (Trane 49500457).....	1,022.35	147.03
23 09 23 00-0567	EA		AHU Controller MP580/581 E Board Only (Trane 40201157).....	1,727.13	183.79
23 09 23 00-0568	EA		AHU Controller MP581 120 Volt AC With Enclosure And Display (Trane BMTM000AAC01).....	2,213.79	220.55
23 09 23 00-0569	EA		AHU Controller MP581 120 Volt AC With Enclosure, No Display (Trane BMTM000AAC00).....	1,743.59	220.55
23 09 23 00-0570	EA		AHU Controller MP581 Operator Door Display (Trane 40201156).....	1,478.31	220.55
23 09 23 00-0571	EA		AHU Controller MP581 Portable, Rugged, With Case (Trane 49500491).....	1,476.24	220.55
23 09 23 00-0572	EA		Controller MP503 I/O Module With Metal Enclosure (Trane 49500590).....	662.41	73.51
23 09 23 00-0573	EA		Controller MP503 I/O Module With Plastic Cover (Trane 49500490).....	603.96	73.51
23 09 23 00-0574	EA		Controller MP581 EX2 Expansion Module With Metal Enclosure (Trane 49500500).....	1,091.07	147.03
23 09 23 00-0575	EA		Controller MP581 EX2 Expansion Module With Plastic Cover (Trane 49500499).....	1,042.60	147.03
23 09 23 00-0576	EA		2 Position, FCU Controller ZN511 Zone With Metal Enclosure (Trane 49500569).....	582.55	73.51
23 09 23 00-0577	EA		2 Position, FCU Controller ZN511 Zone With Plastic Cover (Trane 4950-0469).....	512.17	73.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0578 EA 4 Position, FCU Controller ZN517 Zone With Metal Enclosure (Trane 49500596).....	755.73	73.51
23 09 23 00-0579 EA 4 Position, FCU Controller ZN517 Zone With Plastic Cover (Trane 49500496).....	685.73	73.51
23 09 23 00-0580 EA Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 4950049).....	588.81	73.51
23 09 23 00-0581 EA Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 49500496).....	561.66	73.51
23 09 23 00-0582 EA Modulating Tri ST FCU Controller ZN521 Zone With Metal Cover (Trane 49500570).....	644.47	73.51
23 09 23 00-0583 EA Modulating Tri ST FCU Controller ZN521 Zone With Plastic Cover (Trane 49500470).....	588.81	73.51
23 09 23 00-0584 EA DDC VAV Retrofit Kit (Trane VRTODD01).....	826.23	147.03
23 09 23 00-0585 EA DDC VAV Retrofit Kit With Belimo Actuator (Trane VRTODD01BLMO).....	895.45	147.03
<b>23 09 23 00-0586 Network, VAV And Special Sensors (23 09 23 00-0582)</b>		
23 09 23 00-0587 EA Digital Display Zone Sensor (Trane X13790464010).....	138.59	23.52
23 09 23 00-0588 EA Single Setpoint Wall Mounted Zone Temperature Sensor (Trane X13511529010).....	93.24	23.52
23 09 23 00-0589 EA Wall Mounted Zone Temperature-Only Sensor (Trane X13511528010).....	85.59	23.52
23 09 23 00-0590 EA Ceiling Mount Zone Occupancy Sensor (Trane X13790421-01).....	170.53	26.47
23 09 23 00-0591 EA Zone LCD O/C Setpoint, 3 Speed Fan (Trane 41901121).....	103.67	23.52
23 09 23 00-0592 EA Zone Sensor LCD O/C Setpoint (Trane 41901120).....	103.67	23.52
23 09 23 00-0593 EA Duct CO2 Sensor, 0 To 2,000 ppm (Trane X13790423010).....	357.77	42.35
23 09 23 00-0594 EA Room CO2 Sensor, 0 To 2,000 ppm (Trane X13790422010).....	326.02	23.52
23 09 23 00-0595 EA Transformer 120/24 40 VA (Trane X13550284010).....	81.76	23.52
23 09 23 00-0596 EA Transformer 24 Volt AC Wall Plug-In (Trane 35803005).....	79.03	23.52
23 09 23 00-0597 EA Transformer UL Listed 120 Volt AC, 40 VA (Trane 35812022).....	74.66	23.52
23 09 23 00-0598 EA Controller UC400 VAV Kit With Enclosure, And Belimo (Trane 5189454010).....	923.48	147.03
23 09 23 00-0599 EA Controller UC400 VAV Kit With Enclosure, No Actuator (Trane 5189456010).....	886.14	147.03
23 09 23 00-0600 EA Controller UC400 XM32 Module (4 Relay) (Trane X13651563010).....	808.32	147.03
23 09 23 00-0601 EA Controller UC400 XM70 (8UI,6UI/AO,4R,1P) (Trane X13651568010).....	1,434.80	220.55
23 09 23 00-0602 EA Controller UC400 XM30 I/O Module (4 UI/AO) (Trane X13651537010).....	808.32	147.03
23 09 23 00-0603 EA Controller UC210 VAV With Belimo Actuator (Trane BMUC210AAA0B00011).....	847.74	147.03
23 09 23 00-0604 EA Controller UC210 VAV Without Actuator (Trane BMUC210AAA0100011).....	850.94	147.03
23 09 23 00-0605 EA Controller Optional Metal Enclosure, UC210 (Trane 501898).....	311.79	146.40
23 09 23 00-0606 EA Controller UC400 PM014 24 Volt AC To 1.4 Amp 24 Volt DC (Trane X1365153801).....	443.41	146.40
23 09 23 00-0607 EA Controller Tracer UC600 Controller (Trane BMUC600AAA0100011).....	1,600.37	220.55
23 09 23 00-0608 EA Controller UC600 Tracer TD7 Display (Trane X13651571010).....	1,540.26	220.55
23 09 23 00-0609 EA Controller UC600 TD7 Mounting Bracket (Trane X05010511010).....	95.42	29.30
23 09 23 00-0610 EA Controller UC400 13" DIN Rail Enclosure, 120 Volt (Trane X13651559010).....	339.00	29.30
23 09 23 00-0611 EA SC 24" DIN Rail Enclosure, 120 Volt (Trane X13651552010).....	1,637.53	220.55
23 09 23 00-0612 EA BACnet Term (2 Pack) (Trane X1365152401).....	152.11	52.71
23 09 23 00-0613 EA Tracer ES Add License (Trane X40250125010).....	1,970.78	
23 09 23 00-0614 EA Kit - Tracer TU For Controls (Trane X4509151201).....	2,981.71	294.06
23 09 23 00-0615 EA Kit - Tracer TU Complete (Trane X4509151301).....	3,897.56	294.06
23 09 23 00-0616 EA Tracer TU Adapter Wired/Wireless (Trane X13651529010).....	383.81	52.71
23 09 23 00-0617 EA Sensor Wireless Zone Sensor, Fahrenheit (Trane X13790492010).....	222.61	52.71
23 09 23 00-0618 EA Sensor Wireless Display Sensor (Trane X13790822010).....	251.02	52.71
23 09 23 00-0619 EA Sensor Wireless Receiver, 100mW (Trane X13790854010).....	225.34	52.71
23 09 23 00-0620 EA Sensor Wireless Comm Interface (WCI) Indoor, 100mW (Trane X13790901010).....	303.86	52.71
23 09 23 00-0621 EA Sensor Wireless Comm Interface (WCI) Outdoor, 100mW (Trane X13790941010).....	330.62	52.71
<b>23 09 23 00-0622 Johnson Controls (23 09 23)</b>		
<b>23 09 23 00-0623 Software (23 09 23 00-0622)</b>		
Note: Excludes programming, set-up and commissioning of application.		
23 09 23 00-0624 EA 5 Concurrent User Application And Data Server (Johnson Controls MS-ADS05U-0).....	11,433.05	
23 09 23 00-0625 EA 10 Concurrent User External Application And Data Server (Johnson Controls MS-ADX10U-0).....	13,520.65	
23 09 23 00-0626 EA N2 Controllers Commissioning And Download Software (Johnson Controls MW-MTOOL-0).....	670.60	
23 09 23 00-0627 EA N2 Controllers Download Cable Kit (Johnson Controls AS-CBLPRO-2).....	1,014.64	
23 09 23 00-0628 EA BACnet FEU Controllers Commissioning And Download Software (Johnson Controls MS-CCTSWO-0).....	1,795.10	
23 09 23 00-0629 EA BACnet Controllers Download Bluetooth Converter (Johnson Controls MS-BTCVT-0).....	676.43	
23 09 23 00-0630 EA New User FX Tools Pro CD-Rom (FX Builder, FX Builder Express, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-0).....	672.97	
23 09 23 00-0631 EA Upgrade FX Tools Pro CD-Rom (FX Builder, FX Builder Express, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-6).....	246.99	
<b>23 09 23 00-0632 Supervisory Controllers (23 09 23 00-0622)</b>		
23 09 23 00-0633 EA NAE With 1 RS-485, Support For 50 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE3510-2).....	5,045.53	294.06
23 09 23 00-0634 EA NAE With 1 RS-485, Support For 100 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE4511-2).....	7,798.70	294.06
23 09 23 00-0635 EA NAE With 2 RS-485, Support For 200 Devices (N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE5511-1).....	10,557.98	294.06
23 09 23 00-0636 EA NCE, 33 Points, Network Control Engine, 32 N2 Device Support Supervisory Controllers (Johnson Controls MS-NCE2510-0).....	3,985.02	294.06
<b>23 09 23 00-0637 Controllers (23 09 23 00-0622)</b>		
23 09 23 00-0638 EA 10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-FEU1610-0).....	586.63	73.51
23 09 23 00-0639 EA 10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus, Mounting Base And Integral Display (Johnson Controls MS-FEU1620-0).....	770.21	147.03
23 09 23 00-0640 EA 17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Mounting Base (Johnson Controls MS-FEU2610-0).....	1,009.43	147.03

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0641 EA 17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Integral Display (Johnson Controls MS-FEU2620-0).....	1,193.00	147.03
23 09 23 00-0642 EA BACnet MS/TP 4-Point I/O Module With 4 BI, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM1710-0).....	481.31	73.51
23 09 23 00-0643 EA BACnet MS/TP 6 Point I/O Module With 2 UI, 2 UO, 2 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM2710-0).....	528.12	73.51
23 09 23 00-0644 EA BACnet MS/TP 12 Point I/O Module with 4 UI, 4 UO, 4 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM3710-0).....	598.34	73.51
23 09 23 00-0645 EA 17 Point I/O Module with 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-IOU4710-0).....	607.69	73.51
23 09 23 00-0646 EA BACnet MS/TP Rooftop Controller For Stand-Alone And Networked Zoning Systems (Johnson Controls TEC2664Z-2).....	1,240.77	147.03
23 09 23 00-0647 EA 32-bit, Integrated VAV Controller/Actuator/DPT, 3 UI, 3 BO, and 2 CO; 24 VAC; Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1630-0).....	595.84	73.51
23 09 23 00-0648 EA 32-bit, Integrated VAV Controller/Actuator/Pressure Sensor - DPT, 3 UI and 3 BO, 2 CO, 24 VAC, and Sensor Actuator Bus, Includes 6-pin Sensor Port for use with TE-7xx Series Non-Communicating Sensors and two Ethernet Ports for BACnet/IP Communications (Johnson Controls MS-VMA1930-0).....	863.41	73.51
23 09 23 00-0649 EA 26-point advanced application Field Controller with 8 UI, 6 BI, 6 AO and 6 BO, 24 VAC, Sensor Actuator Bus (Johnson Controls MS-FAC-3611-0).....	1,964.66	73.51
23 09 23 00-0650 EA 28-point Bacnet/IP Field Controller with 10 UI, 6 BI, 4 AO, 4 CO and 4 BO, 24 VAC, Sensor Actuator Bus (Johnson Controls MS-FAC-4911-0).....	2,192.46	73.51
23 09 23 00-0651 EA Field Equipment Controller Cover with 6 UI, 2 BI, 3 BO, 2 AO and 4 CO; 24 VAC; Sensor Actuator Bus; Integral display (Johnson Controls MS-FEC-2621-0).....	1,621.87	73.51
<b>23 09 23 00-0652 Master FX Controllers (23 09 23 00-0622)</b>		
23 09 23 00-0653 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X00-000C).....	1,563.78	147.03
23 09 23 00-0654 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X01-000C).....	1,674.82	147.03
23 09 23 00-0655 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X02-000C).....	1,730.00	147.03
23 09 23 00-0656 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X03-000C).....	1,696.46	147.03
23 09 23 00-0657 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X04-000C).....	1,644.06	147.03
23 09 23 00-0658 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X11-000C).....	1,652.46	147.03
23 09 23 00-0659 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X14-000C).....	1,644.06	147.03
23 09 23 00-0660 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X50-000C).....	1,674.94	147.03
23 09 23 00-0661 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X51-000C).....	1,770.84	147.03
23 09 23 00-0662 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X52-000C).....	1,834.77	147.03
23 09 23 00-0663 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X53-000C).....	1,802.80	147.03
23 09 23 00-0664 EA 6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X54-000C).....	1,737.37	147.03
23 09 23 00-0665 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X60-000C).....	1,674.94	147.03
23 09 23 00-0666 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X61-000C).....	1,770.84	147.03
23 09 23 00-0667 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X62-000C).....	1,834.77	147.03
23 09 23 00-0668 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X63-000C).....	1,802.80	147.03
23 09 23 00-0669 EA 6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X64-000C).....	1,737.37	147.03
23 09 23 00-0670 EA N2 Open Communication Card For FX16 (Johnson Controls LP-NET151-010C).....	186.78	36.76
23 09 23 00-0671 EA LON Communication Card For FX15 and FX16 (Johnson Controls LP-NET152-010C).....	265.45	36.76
23 09 23 00-0672 EA RS-232 Communication Card For FX16 (Johnson Controls LP-NET163-000C).....	208.86	36.76
23 09 23 00-0673 EA BACnet Communications Card For FX16 (Johnson Controls LP-NET164-000C).....	186.78	36.76
23 09 23 00-0674 EA Remote Medium User Interface For FX16 (Johnson Controls LP-DIS60P20-0C).....	516.51	36.76
23 09 23 00-0675 EA Facility Explorer Extension I/O Module (Johnson Controls LP-XT91D00-000C).....	476.04	36.76
23 09 23 00-0676 EA 5 UI, 4 BI, 3 AO, 6 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X01-000C).....	485.52	36.76
23 09 23 00-0677 EA 5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X11-000C).....	485.52	36.76
23 09 23 00-0678 EA 5 UI, 4 BI, 3 AO, 6 Relay DO (Manual Overrides For 2 AO And 4 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X51-000C).....	532.85	36.76
23 09 23 00-0679 EA 5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO (Manual Overrides For 2 AO, 2 Triac DO, And 2 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X61-000C).....	532.85	36.76
23 09 23 00-0680 EA 6 UI, 12 BI, 4 AO, 9 Relay DO Expansion I/O Module (Johnson Controls LP-XM14X01-000C).....	668.93	36.76
23 09 23 00-0681 EA 6 UI, 12 BI, 4 AO, 4 Triac DO Expansion I/O Module (Johnson Controls LP-XM14X11-000C).....	668.93	36.76
23 09 23 00-0682 EA 6 UI, 12 BI, 4 AO, 9 Relay DO (Manual Overrides For 3 AO And 7 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X51-000C).....	745.84	36.76
23 09 23 00-0683 EA 6 UI, 12 BI, 4 AO, 4 Triac DO, 5 Relay DO (Manual Overrides For 3 AO, 2 Triac DO, And 5 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X61-000C).....	745.84	36.76
<b>23 09 23 00-0684 VAV, Network And Special Sensors (23 09 23 00-0622)</b>		
23 09 23 00-0685 EA 3" x 4-1/2", Surface Or Box Mounted, LCD RH Display, 3% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHR7001-0).....	350.54	23.52



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0686	EA		3" x 4-1/2", Surface Or Box Mounted, Addressing Switch BACnet Temperature Sensor (Johnson Controls NS-BTN7003-0).....	118.41	23.52
23 09 23 00-0687	EA		3" x 4-1/2", Surface Or Box Mounted, 3% RH Accuracy, BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHN7001-0).....	271.68	23.52
23 09 23 00-0688	EA		3" x 4-1/2", Surface Or Box Mounted, LCD Display, 2% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint Addressing Switch BACnet Temperature And Humidity Sensor (Johnson Controls NS-BPB7003-0).....	405.53	23.52
23 09 23 00-0689	EA		3" x 4-1/2", Surface Or Box Mounted, LCD Display, Occupancy Override, Adjustable Temperature Setpoint, BACnet Temperature Sensor (Johnson Controls NS-BTB7001-0).....	135.79	23.52
23 09 23 00-0690	EA		3" x 4-1/2", Surface Or Box Mounted CO2 Sensor, 0 To 2,000 ppm (Johnson Controls NS-BCN7004-0).....	367.79	23.52
<b>23 09 23 00-0691</b>			<b>Sensors - Hard Wired Type</b> <small>(23 09 23 00-0622)</small>		
23 09 23 00-0692	EA		Duct Mount Temperature Sensor, Platinum RT, With Handi-Box (Johnson Controls TFDCR00).....	116.34	42.35
23 09 23 00-0693	EA		Well Insertion Temperature Sensor, With Stainless 4-1/2" Well (Johnson Controls TIGB1C0).....	98.54	23.52
23 09 23 00-0694	EA		BACnet MS/TP Networked, Single Stage Thermostat (Johnson Controls TEC2601-2)..... <i>Note: For fan coil units, unit heaters and single stage packaged heating/cooling equipment.</i>	273.22	11.03
23 09 23 00-0695	EA		BACnet MS/TP Networked Two Outputs, Dehumidification Capability And Three Speed Fan Control Thermostat (Johnson Controls TEC2616-2)..... <i>Note: For two or four pipe fan coils, cabinet unit heaters or other equipment using on/off, floating, or proportional 0 to 10 VDC control input, three speeds of fan control, and dehumidification capability.</i>	369.29	11.03
23 09 23 00-0696	EA		BACnet MS/TP Networked Thermostats With Two Outputs (Johnson Controls TEC2627VVT-2)..... <i>Note: For VVT systems.</i>	273.75	11.03
23 09 23 00-0697	EA		BACnet MS/TP Zone Controller For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2).....	359.22	23.52
23 09 23 00-0698	EA		BACnet Zone Controller With Occupancy Sensor For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2+PIR).....	442.36	23.52
<b>23 09 23 00-0699</b>			<b>EMCS General Costs</b> <small>(23 09 23 00-0622)</small>		
<i>Note: The following labor values are used for all Johnson EMCS Control projects. A point is defined as any transmitter, switch, actuator, relay, sensor or device that is monitored or controlled by the EMCS. Most devices count as 1 point. Thermostats, controllers and extension modules count as 2 points. Valve and damper actuators with end switches or position feedback count as 3 points. BTU Meters count as 4 points. All VFD's count as 5 points. A large project is defined as any project with 250+ points. A small project is defined as any project that has less than 250 points.</i>					
23 09 23 00-0700	PT		Large Project Labor Cost/ Point: Includes technical labor for project management, subcontract coordination, field team coordination, travel time, hardware engineering, submittal generation, software engineering, device verification, point to point checkout, system commissioning, project support, installation of control devices, conduit and wire. Excludes graphics, 3rd party commissioning, test and balance support, custom integrations, customer training, or any material, tax, freight, and warranty.....	630.25	
23 09 23 00-0701	PT		Small Project Labor Cost/ Point: Includes technical labor for project management, subcontract coordination, field team coordination, travel time, hardware engineering, submittal generation, software engineering, device verification, point to point checkout, system commissioning, project support, installation of control devices, conduit and wire. Excludes graphics, 3rd party commissioning, test and balance support, custom integrations, customer training, or any material, tax, freight, and warranty.....	945.38	
23 09 23 00-0702	HR		Customer Training Cost/Hour: This labor cost includes preparation, travel time, training time, and basic training materials. The required number of training hours shall be 24 unless the construction documents, general contractor or owner request otherwise.....	208.66	
23 09 23 00-0703	PT		3rd Party Commissioning Cost/ Point: This labor cost is applicable for projects that require a 3rd party commissioning agent.....	110.70	
23 09 23 00-0704	EA		Integration Labor/ System: This unit labor cost is applicable for every piece of equipment, system, or device that is not furnished with either BACnet or N2 communication capability but requires monitoring and/or control through the DDC/EMCS system. This unit labor cost is not applicable for I/O points that can be monitored or controlled through available dry contacts.....	6,302.50	
23 09 23 00-0705	EA		Field Test and Balance Support Cost/Controller: This unit cost is applicable for every network area controller and programmable DDC controller on the project. This cost includes supporting as well as purchasing extra commissioning tools for the air and water test and balance contractor as necessary.....	94.84	
23 09 23 00-0706	EA		Color Graphics for Programmable Controllers: Lump sum for each programmable controller.....	723.02	
23 09 23 00-0707	EA		Replication of Color Graphics for Programmable Controllers: This unit cost is applicable when the graphics that were created for one controller can be re-used for another. Common examples include VAV boxes, fan coil units, air handling units and exhaust fans.....	154.61	
23 09 23 00-0708	EA		Color Graphics for Building Floor Plan/Floor or Page: Lump sum cost for each floor that requires a graphics page. CAD floor plans and/or pictures shall be provided to the EMCS contractor.....	593.44	
23 09 23 00-0709	EA		Color Graphics for Building Homepage: Lump sum cost for each building that requires a graphics page. Pictures shall be provided by others.....	1,414.52	
23 09 23 00-0710	EA		Post Warranty/ Project Development Labor.....	208.66	
<b>23 09 23 00-0711</b>			<b>EMCS Network Area Controllers (BACnet or N2)</b> <small>(23 09 23 00-0622)</small>		
<i>Note: Includes a 16 in. W x 20 in. H x 6.62 in. D steel enclosure for NAE35XX , NAE45XX, NCM45XX and NCE25XX models. Includes a 20in. W x 24 in. H x 9.25 in. D steel (NEMA 1) enclosure for NAE55XX, NCE2517, NIE55XX models. In addition to the controller, the assembly also contains a 5-port Ethernet switch and a power supply incorporating a 5 A circuit breaker, a 96 VA 120/24 VAC transformer, and two 120 VAC outlets. Includes material only.</i>					
23 09 23 00-0712	EA		MS-NAE3510-2 Panel Assembly: Supports one N2 or BACnet MS/TP (RS-485) trunk; includes an additional RS-232-C serial port for optional external modem; supports up to 50 devices on the N2 or BACnet MS/TP trunk.....	8,116.27	
			<i>Warranty For Every Year Material Warranty Is Required, Add</i>	365.23	
23 09 23 00-0713	EA		MS-NAE3510-2U Panel Assembly: Supports one N2 or BACnet MS/TP (RS-485) trunk; includes an additional RS-232-C serial port for 50 devices on the N2 or BACnet MS/TP trunk. optional external modem; supports up to 50 devices on the N2 or BACnet MS/TP trunk. optional external modem; supports up to 50 devices on the N2 or BACnet MS/TP trunk. optional external modem; supports up to 50 devices on the N2 or BACnet MS/TP trunk. optional external modem; supports up to 50 devices on the N2 or BACnet MS/TP trunk.....	8,116.27	
			<i>Note: This model is UL Listed, File S4977, UUKL 864 - 9th Edition, Smoke Control Equipment.....</i>	8,116.27	
			<i>Warranty For Every Year Material Warranty Is Required, Add</i>	365.23	
23 09 23 00-0714	EA		MS-NAE3511-2 Panel Assembly: Supports one N2 or BACnet MS/TP (RS-485) trunk; includes an internal modem; supports up to 50 devices on the N2 or BACnet MS/TP trunk.....	8,481.94	
			<i>Warranty For Every Year Material Warranty Is Required, Add</i>	361.69	



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0715	EA		MS-NAE3514-2 Panel Assembly: Supports one N2 or BACnet MS/TP (RS-485) trunk; features Basic Access support; includes an additional RS-232-C serial port for optional external modem; supports up to 50 devices on the N2 or BACnet MS/TP trunk.....	6,014.98	
			<i>Warranty For Every Year Material Warranty Is Required, Add</i>	270.67	
23 09 23 00-0716	EA		MS-NAE3515-2 Panel Assembly: Supports one N2 or BACnet MS/TP (RS-485) trunk; features Basic Access support; includes an internal modem; supports up to 50 devices on the N2 or BACnet MS/TP trunk. ....	6,365.16	
			<i>Warranty For Every Year Material Warranty Is Required, Add</i>	286.43	
23 09 23 00-0717	EA		MS-NAE4510-2 Panel Assembly: Supports one N2 or BACnet MS/TP (RS-485) trunk; includes an additional RS-232-C serial port for optional external modem; supports up to 100 devices on the N2 or BACnet MS/TP trunk. ....	14,361.83	
			<i>Warranty For Every Year Material Warranty Is Required, Add</i>	646.28	
23 09 23 00-0718	EA		MS-NAE4510-2U Panel Assembly: Supports one N2 or BACnet MS/TP (RS-485) trunk; includes an additional RS-232-C serial port for optional external modem; supports up to 100 devices on the N2 or BACnet MS/TP trunk. Note: This model is UL Listed, File S4977, UUKL 864 - 9th Edition, Smoke Control Equipment.....	14,361.83	
			<i>Warranty For Every Year Material Warranty Is Required, Add</i>	646.28	
23 09 23 00-0719	EA		MS-NAE4511-2 Panel Assembly: Supports one N2 or BACnet MS/TP (RS-485) trunk; includes an internal modem; supports up to 100 devices on the N2 or BACnet MS/TP trunk. ....	14,947.23	
			<i>Warranty For Every Year Material Warranty Is Required, Add</i>	672.63	
23 09 23 00-0720	EA		MS-NAE5510-1 Panel Assembly: Supports two N2 or two BACnet MS/TP (RS-485) trunks (or one N2 trunk and one BACnet MS/TP trunk). ....	21,038.62	
			<i>Warranty For Every Year Material Warranty Is Required, Add</i>	946.74	
23 09 23 00-0721	EA		MS-NAE5510-1U Panel Assembly: Supports two N2 or two BACnet MS/TP trunks (or one N2 trunk and one BACnet MS/TP trunk). Note: This model is UL Listed, File S4977, UUKL 864 - 9th Edition, Smoke Control Equipment. ....	21,038.62	
			<i>Warranty For Every Year Material Warranty Is Required, Add</i>	946.74	
23 09 23 00-0722	EA		MS-NAE5511-1 Panel Assembly: Supports two N2 or two BACnet MS/TP (RS-485) trunks (or one N2 trunk and one BACnet MS/TP trunk); includes an internal modem.....	21,803.35	
			<i>Warranty For Every Year Material Warranty Is Required, Add</i>	981.15	
23 09 23 00-0723	EA		MS-NCM4510-2 Panel Assembly: Supports one N2 trunk (RS-485 port). Up to 100 devices (60 to 200 TC-9100s or up to 63 VMAs) are supported on the N2 trunk with the use of a repeater.....	17,918.81	
			<i>Warranty For Every Year Material Warranty Is Required, Add</i>	806.35	
23 09 23 00-0724	EA		MS-NCE2510-0 Panel Assembly: Supports one N2 Bus trunk with up to 32 N2 devices with display.....	6,032.10	
			<i>Warranty For Every Year Material Warranty Is Required, Add</i>	271.44	
23 09 23 00-0725	EA		MS-NCE2511-0 Panel Assembly: Supports one N2 Bus trunk with up to 32 N2 devices. Includes an internal modem with display. ....	6,171.72	
			<i>Warranty For Every Year Material Warranty Is Required, Add</i>	277.73	
23 09 23 00-0726	EA		MS-NCE2516-0 Panel Assembly: Supports one N2 Bus trunk with up to 32 N2 devices. Includes integral display screen.....	5,897.36	
			<i>Warranty For Every Year Material Warranty Is Required, Add</i>	265.38	
23 09 23 00-0727	EA		MS-NCE2517-0 Panel Assembly: Supports one N2 Bus trunk with up to 32 N2 devices. Includes integral display screen and an internal modem. ....	6,419.22	
			<i>Warranty For Every Year Material Warranty Is Required, Add</i>	288.86	
23 09 23 00-0728	EA		MS-NCE2560-0 Panel Assembly: Supports one MS/TP Bus trunk with up to 32 MS/TP devices with display. ....	6,032.10	
			<i>Warranty For Every Year Material Warranty Is Required, Add</i>	271.44	
23 09 23 00-0729	EA		MS-NCE2561-0 Panel Assembly: Supports one MS/TP Bus trunk with up to 32 MS/TP devices. Includes an internal modem with display. ....	6,171.72	
			<i>Warranty For Every Year Material Warranty Is Required, Add</i>	277.73	
23 09 23 00-0730	EA		MS-NCE2566-0 Panel Assembly: Supports one MS/TP Bus trunk with up to 32 MS/TP devices. Includes integral display screen.....	5,897.36	
			<i>Warranty For Every Year Material Warranty Is Required, Add</i>	265.38	
23 09 23 00-0731	EA		MS-NCE2567-0 Panel Assembly: Supports one MS/TP Bus trunk with up to 32 MS/TP devices. Includes integral display screen and an internal modem. ....	6,036.97	
			<i>Warranty For Every Year Material Warranty Is Required, Add</i>	271.66	
23 09 23 00-0732	EA		MS-NIE5510-1 Panel Assembly: Supports N1 network migrations.....	21,038.62	
			<i>Warranty For Every Year Material Warranty Is Required, Add</i>	946.74	
23 09 23 00-0733	EA		MS-NIE5511-1 Panel Assembly: Supports N1 network migrations, includes an internal modem. ....	21,803.35	
			<i>Warranty For Every Year Material Warranty Is Required, Add</i>	981.15	
23 09 23 00-0734	EA		PHX200: Interface for up to two Phoenix lab/ fume hoods. MIJ not included.....	6,018.68	
			<i>Warranty For Every Year Material Warranty Is Required, Add</i>	270.84	
23 09 23 00-0735	EA		PHX600: Interface for up to six Phoenix lab/ fume hoods. MIJ not included.....	7,850.94	
			<i>Warranty For Every Year Material Warranty Is Required, Add</i>	353.29	
23 09 23 00-0736	EA		MS-MIG3520-0: Metasys Integrator 3500 Series: Requires a 24 Volt AC power supply. Each model includes two RS-232-C serial ports, one Ethernet port, one N2 Bus port, one RS-485 port, and a battery. ....	10,442.37	
			<i>Warranty For Every Year Material Warranty Is Required, Add</i>	469.91	
23 09 23 00-0737			<b>EMCS Network Interfaces</b> (23 09 23 00-0622) Note: Includes material only		
23 09 23 00-0738	EA		Laptop Computer:.....	5,442.76	
			<i>Warranty For Every Year Material Warranty Is Required, Add</i>	244.92	
23 09 23 00-0739	EA		Laptop Case:.....	315.53	
			<i>Warranty For Every Year Material Warranty Is Required, Add</i>	14.20	
23 09 23 00-0740	EA		Desktop computer:.....	4,568.01	
			<i>Warranty For Every Year Material Warranty Is Required, Add</i>	205.56	
23 09 23 00-0741	EA		19 Inch Monitor:.....	743.24	
			<i>Warranty For Every Year Material Warranty Is Required, Add</i>	33.45	
23 09 23 00-0742	EA		Alarm Printer: Includes Cable and Paper.....	1,857.86	
			<i>Warranty For Every Year Material Warranty Is Required, Add</i>	83.60	
23 09 23 00-0743	EA		Report Printer: Includes Cable and Paper. ....	2,155.65	
			<i>Warranty For Every Year Material Warranty Is Required, Add</i>	97.00	
23 09 23 00-0744	EA		PDA: Used as remote access portal interface. ....	1,323.52	
			<i>Warranty For Every Year Material Warranty Is Required, Add</i>	59.56	
23 09 23 00-0745	EA		BC/TV Tool: Wireless Commissioning Converter, with Bluetooth technology.....	1,094.20	
			<i>Warranty For Every Year Material Warranty Is Required, Add</i>	49.24	
23 09 23 00-0746	EA		Repeater: Used to increase communication trunk signal. Recommended for each network area controller.....	1,155.38	
			<i>Warranty For Every Year Material Warranty Is Required, Add</i>	51.99	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0747	EA			CVTPro300: The AS-CVTPROx00-1 Zone Bus/N2 Interface Converter is portable converter designed to provide a communication interface between the room sensors and controllers operating on a Zone Bus or N2 Bus and a Personal Computer (PC) or specified models of the PalmTM family of Personal Digital Assistants (PDAs). <i>Warranty For Every Year Material Warranty Is Required, Add</i>	1,446.28 65.08	
23 09 23 00-0748	EA			Zigbee USB Interface <i>Warranty For Every Year Material Warranty Is Required, Add</i>	550.59 24.78	
<b>23 09 23 00-0749 DDC Programmable Controllers</b> <small>(23 09 23 00-0622)</small>						
Note: Includes material only						
23 09 23 00-0750	EA			FEC1621 Panel Assembly: BACnet 10-Point Field Equipment Controller with 2 UI, 1 BI, 3 BO, and 4 CO; 24 Volt AC; SA Bus; Mounting Base; integral Display. Panel assembly includes a 16 in. W x 20 in. H x 6.62 in. D steel enclosure. <i>Warranty For Every Year Material Warranty Is Required, Add</i>	2,421.67 108.98	
23 09 23 00-0751	EA			FEC2621 Panel Assembly: BACnet 17-Point Field Equipment Controller with 6 UI, 2 BI, 3 BO, 2 AO and 4 CO; 24 Volt AC; SA Bus; Integral Display; Mounting Base. Panel assembly includes a 16 in. W x 20 in. H x 6.62 in. D steel enclosure. <i>Warranty For Every Year Material Warranty Is Required, Add</i>	2,745.44 123.54	
23 09 23 00-0752	EA			IOM1711 Panel Assembly: BACnet4-Point IOM with 4 BI, FC Bus and SA Bus Support <i>Warranty For Every Year Material Warranty Is Required, Add</i>	1,538.17 69.22	
23 09 23 00-0753	EA			IOM2711 Panel Assembly: BACnet 6-Point IOM with 2 UI, 2 UO, 2 BO, FC Bus, and SA Bus Support <i>Warranty For Every Year Material Warranty Is Required, Add</i>	1,650.55 74.27	
23 09 23 00-0754	EA			IOM3711 Panel Assembly: BACnet 12- Point IOM with 4 UI, 4 UO, 4 BO, FC Bus, and SA Bus Support <i>Warranty For Every Year Material Warranty Is Required, Add</i>	1,819.16 81.86	
23 09 23 00-0755	EA			IOM4711 Panel Assembly: BACnet 17-Point IOM with 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, and SA Bus with Mounting Base. <i>Warranty For Every Year Material Warranty Is Required, Add</i>	1,841.62 82.87	
23 09 23 00-0756	EA			AS-UNT111-1 Panel Assembly: N2 Unitary Controller Spade lug 6 AI, 4 BI, 2 AO, 6 BO 24x24x9.25 TB. Panel assembly includes a 16 in. W x 20 in. H x 6.62 in. D steel enclosure. <i>Warranty For Every Year Material Warranty Is Required, Add</i>	3,171.28 142.71	
23 09 23 00-0757	EA			AS-UNT141-1 Panel Assembly: N2 Unitary Controller. Screw terminal 6 AI, 4 BI, 2 AO, 6 BO. Panel assembly includes a 16 in. W x 20 in. H x 6.62 in. D steel enclosure. <i>Warranty For Every Year Material Warranty Is Required, Add</i>	2,579.68 116.09	
23 09 23 00-0758	EA			AS-UNT1108-0 Panel Assembly: N2 Unitary Controller. Spade lug 6 AI, 6 BI, 0 AO, 8 BO. Panel assembly includes a 16 in. W x 20 in. H x 6.62 in. D steel enclosure. <i>Warranty For Every Year Material Warranty Is Required, Add</i>	2,842.94 127.93	
23 09 23 00-0759	EA			AS-UNT1126-0 Panel Assembly: N2 Unitary Controller. Spade lug 6 AI, 6 BI, 2 AO, 6 BO. Panel assembly includes a 16 in. W x 20 in. H x 6.62 in. D steel enclosure. <i>Warranty For Every Year Material Warranty Is Required, Add</i>	2,842.94 127.93	
23 09 23 00-0760	EA			AS-UNT1144-0 Panel Assembly: N2 Unitary Controller. Spade lug 6 AI, 6 BI, 4 AO, 4 BO. Panel assembly includes a 16 in. W x 20 in. H x 6.62 in. D steel enclosure. <i>Warranty For Every Year Material Warranty Is Required, Add</i>	2,842.94 127.93	
23 09 23 00-0761	EA			DX9100-8454 Panel Assembly: N2 Extended Digital Plant Controller. 8 AI, 8 BI, 6 AO, 4 BO. Panel assembly includes a 20 in. W x 24 in. H x 6.62 in. D steel enclosure. <i>Warranty For Every Year Material Warranty Is Required, Add</i>	6,655.21 299.48	
23 09 23 00-0762	EA			VMA1610: BACnet Variable Air Volume Controller. No Panel Assembly. Integrated VAV Controller/Actuator/Pressure Sensor (Cooling only), FC Bus, and SA Bus <i>Warranty For Every Year Material Warranty Is Required, Add</i>	701.20 31.55	
23 09 23 00-0763	EA			VMA1620: BACnet Variable Air Volume Controller. No Panel Assembly. Integrated VAV Controller/Actuator/Pressure Sensor (with Reheat and Fan Control), FC Bus, and SA Bus <i>Warranty For Every Year Material Warranty Is Required, Add</i>	767.98 34.56	
23 09 23 00-0764	EA			VMA1410-0: N2 Variable Air Volume Controller. No Panel Assembly. Integrated VAV Controller/Actuator/Pressure Sensor (Cooling only) <i>Warranty For Every Year Material Warranty Is Required, Add</i>	928.98 41.80	
23 09 23 00-0765	EA			VMA1420-0: N2 Variable Air Volume Controller. No Panel Assembly. Integrated VAV Controller/Actuator/Pressure Sensor (with Reheat and Fan-Powered) <i>Warranty For Every Year Material Warranty Is Required, Add</i>	1,015.73 45.71	
23 09 23 00-0766	EA			TEC2601-4: BACnet Network Capability. Used To Control Fan Coil Units, Unit Heaters, and Single-Stage Packaged Heating/Cooling Equipment <i>Warranty For Every Year Material Warranty Is Required, Add</i>	519.46 23.38	
23 09 23 00-0767	EA			TEC2602-4: BACnet Network Capability. Used To Control One or Two Heat Pump Stages with Optional Auxiliary Heat Stage <i>Warranty For Every Year Material Warranty Is Required, Add</i>	672.91 30.28	
23 09 23 00-0768	EA			TEC2603-4: BACnet Network Capability. Used To Control Multi-Stage Packaged Heating/Cooling Equipment <i>Warranty For Every Year Material Warranty Is Required, Add</i>	734.15 33.04	
23 09 23 00-0769	EA			TEC2604-4: BACnet Network Capability. Used To Control Economizer Operation for Single- and Multi-Stage Unitary Rooftop Equipment <i>Warranty For Every Year Material Warranty Is Required, Add</i>	779.68 35.09	
23 09 23 00-0770	EA			TEC2616-4: BACnet Network Capability. Two On/Off Control Outputs. 3 Speed Fan Control <i>Warranty For Every Year Material Warranty Is Required, Add</i>	752.21 33.85	
23 09 23 00-0771	EA			TEC2626-4: BACnet Network Capability. Two On/Off or Floating Control Outputs. 3 Speed Fan Control <i>Warranty For Every Year Material Warranty Is Required, Add</i>	781.12 35.15	
23 09 23 00-0772	EA			TEC2627-4: BACnet Network Capability. Two On/Off or Floating Control Outputs <i>Warranty For Every Year Material Warranty Is Required, Add</i>	520.74 23.43	
23 09 23 00-0773	EA			TEC2636-4:2 BACnet Network Capability. Two On/Off or floating Control Outputs With Dehumidification Capability. 3 Speed Fan Control <i>Warranty For Every Year Material Warranty Is Required, Add</i>	1,047.73 47.15	
23 09 23 00-0774	EA			TEC2645-4: Networked BACnet MS/TP, Two-Pipe, Proportional 0 to 10 Volt DC Control Output, and One-Speed Fan Control Thermostat <i>Warranty For Every Year Material Warranty Is Required, Add</i>	520.74 23.43	
23 09 23 00-0775	EA			TEC2646-4: BACnet Network Capability. 2 proportional 0 to 10 Volt DC Control Outputs. 3 Speed Fan Control <i>Warranty For Every Year Material Warranty Is Required, Add</i>	839.00 37.76	
23 09 23 00-0776	EA			TEC2647-4: BACnet Network Capability. Two Proportional 0 to 10 Volt DC Control Outputs <i>Warranty For Every Year Material Warranty Is Required, Add</i>	549.67 24.74	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0777 EA TEC2656-4: BACnet Network Capability. 2 proportional 0 to 10 Volt DC Control Outputs With Dehumidification Capability. 3 Speed Fan Control.....	1,085.14	
Warranty For Every Year Material Warranty Is Required, Add	48.83	
23 09 23 00-0778 EA TEC2101-4: N2 Network Capability. Used To Control Fan Coils, Unit Heaters and Single-Stage Packaged Heating/Cooling Equipment.....	500.91	
Warranty For Every Year Material Warranty Is Required, Add	22.54	
23 09 23 00-0779 EA TEC2102-4: N2 Network Capability. Used To Control Heat Pumps with up to 3 Heating/2 Cooling Stages.....	657.45	
Warranty For Every Year Material Warranty Is Required, Add	29.59	
23 09 23 00-0780 EA TEC2103-4: N2 Network Capability. Used To Control Multi-Stage Packaged Heating/Cooling Equipment.....	719.93	
Warranty For Every Year Material Warranty Is Required, Add	32.40	
23 09 23 00-0781 EA TEC2104-4: N2 Network Capability. Used To Control Economizer Operation for Single- and Multi-Stage Unitary Rooftop Equipment.....	766.36	
Warranty For Every Year Material Warranty Is Required, Add	34.49	
23 09 23 00-0782 EA TEC2116-4: N2 Network Capability. Two On/Off Control Outputs. 3 Speed Fan Control. 3 Speed Fan Control.....	723.25	
Warranty For Every Year Material Warranty Is Required, Add	32.55	
23 09 23 00-0783 EA TEC2126-4: N2 Network Capability: Two On/Off or Floating Control Outputs. 3 Speed Fan Control.....	752.21	
Warranty For Every Year Material Warranty Is Required, Add	33.85	
23 09 23 00-0784 EA TEC2127-4: N2 Network Capability. Two On/Off or Floating Control Outputs.....	491.81	
Warranty For Every Year Material Warranty Is Required, Add	22.13	
23 09 23 00-0785 EA TEC2136-4: N2 Network Capability. Two On/Off or Floating Control Outputs, Dehumidification Capability. 3 Speed Fan Control.....	1,008.91	
Warranty For Every Year Material Warranty Is Required, Add	45.40	
23 09 23 00-0786 EA TEC2145-4: N2 Network Capability. Proportional 0 to 10 Volt DC Control Output, and Single Speed Fan Control.....	491.81	
Warranty For Every Year Material Warranty Is Required, Add	22.13	
23 09 23 00-0787 EA TEC2146-4: N2 Network Capability. Two Proportional 0 to 10 Volt DC Control Outputs. 3 Speed Fan Control.....	810.06	
Warranty For Every Year Material Warranty Is Required, Add	36.45	
23 09 23 00-0788 EA TEC2147-4: N2 Network Capability. Two Proportional 0 to 10 Volt DC Control Outputs.....	520.74	
Warranty For Every Year Material Warranty Is Required, Add	23.43	
23 09 23 00-0789 EA TEC2156-4: N2 Network Capability. Two Proportional 0 to 10 Volt DC Control Outputs, Dehumidification Capability. 3 Speed Fan Control.....	1,037.35	
Warranty For Every Year Material Warranty Is Required, Add	46.68	
23 09 23 00-0790 EA TEC20-3C-2: BACnet IP Wireless Coordinator; Requires 15 Volt DC Power Supply.....	4,879.36	
Warranty For Every Year Material Warranty Is Required, Add	219.57	
23 09 23 00-0791 EA TEC20-6C-2: BACnet MS/TP Wireless Coordinator; Requires 15 Volt DC Power Supply.....	4,586.54	
Warranty For Every Year Material Warranty Is Required, Add	206.39	
23 09 23 00-0792 EA TEC2001-4: Wireless BACnet Network Capability. Used To Control Fan Coil Units, Unit Heaters, and Single-Stage Packaged Heating/Cooling Equipment.....	614.92	
Warranty For Every Year Material Warranty Is Required, Add	27.67	
23 09 23 00-0793 EA TEC2002-4: Wireless BACnet Network Capability. Used To Control One or Two Heat Pump Stages with Optional Auxiliary Heat Stage.....	693.36	
Warranty For Every Year Material Warranty Is Required, Add	31.20	
23 09 23 00-0794 EA TEC2003-4: Wireless BACnet Network Capability. Used To Control Multi-Stage Packaged Heating/Cooling Equipment.....	693.36	
Warranty For Every Year Material Warranty Is Required, Add	31.20	
23 09 23 00-0795 EA TEC2004-4: Wireless BACnet Network Capability. Used To Control Economizer Operation for Single- and Multi-Stage Unitary Rooftop Equipment.....	772.21	
Warranty For Every Year Material Warranty Is Required, Add	34.75	
23 09 23 00-0796 EA TEC2016-4: Wireless BACnet Network Capability. Two On/Off Control Points. 3 Speed Fan Control.....	741.40	
Warranty For Every Year Material Warranty Is Required, Add	33.36	
23 09 23 00-0797 EA TEC2026-4: Wireless BACnet Network Capability. Two On/Off or Floating Control Points. 3 Speed Fan Control.....	827.02	
Warranty For Every Year Material Warranty Is Required, Add	37.22	
23 09 23 00-0798 EA TEC2027-4: Wireless BACnet Network Capability. Two On/Off or Floating Control Points.....	624.61	
Warranty For Every Year Material Warranty Is Required, Add	28.11	
23 09 23 00-0799 EA TEC2036-4: Wireless BACnet Network Capability. Two On/Off or Floating Control Points. Dehumidification Capability. 3 Speed Fan Control.....	1,134.58	
Warranty For Every Year Material Warranty Is Required, Add	51.06	
23 09 23 00-0800 EA TEC2045-4: Wireless BACnet Network Capability. One Proportional 0 to 10 Volt DC Control Point. Single Speed Fan Control.....	625.51	
Warranty For Every Year Material Warranty Is Required, Add	28.15	
23 09 23 00-0801 EA TEC2046-4: Wireless BACnet Network Capability. Two Proportional 0 to 10 Volt DC Control Points. 3 Speed Fan Control.....	873.69	
Warranty For Every Year Material Warranty Is Required, Add	39.32	
23 09 23 00-0802 EA TEC2047-4: Wireless BACnet Network Capability. Two Proportional 0 to 10 Volt DC Control Points. No Fan Control.....	682.71	
Warranty For Every Year Material Warranty Is Required, Add	30.72	
23 09 23 00-0803 EA TEC2056-4: Wireless BACnet Network Capability. Two Proportional 0 to 10 Volt DC Control Points. Dehumidification Capability. 3 Speed Fan Control.....	1,177.42	
Warranty For Every Year Material Warranty Is Required, Add	52.98	
<b>23 09 23 00-0804 EMCS Optional DDC Controller Hardware and Enclosures (23 09 23 00-0622)</b>		
Note: BACnet IOM devices expand the FEC and NCE input/ output capability. XT/XP combinations expand the DX-9100 input/ output capability. Each XP needs an XT. A custom panel is required for applications other than NEMA 1 and for any controller needing an expansion device or any face mounted items. Includes material only.		
23 09 23 00-0805 EA IOM1711: BACnet Input/output Module. 4-Point IOM with 4 BI, FC Bus and SA Bus Support.....	458.15	
Warranty For Every Year Material Warranty Is Required, Add	20.62	
23 09 23 00-0806 EA IOM2711: BACnet Input/output Module.6-Point IOM with 2 UI, 2 UO, 2 BO, FC Bus, and SA Bus Support.....	572.68	
Warranty For Every Year Material Warranty Is Required, Add	25.77	
23 09 23 00-0807 EA IOM3711: BACnet Input/output Module.12-Point IOM with 4 UI, 4 UO, 4 BO, FC Bus, and SA Bus Support.....	744.48	
Warranty For Every Year Material Warranty Is Required, Add	33.50	
23 09 23 00-0808 EA IOM4711: BACnet Input/output Module.17-Point IOM with 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, and SA Bus with Mounting Base.....	767.38	
Warranty For Every Year Material Warranty Is Required, Add	34.53	
23 09 23 00-0809 EA IOM1710-OU: 4-Point IOM with 4 BI, FC Bus and SA Bus Support.....	458.15	
Warranty For Every Year Material Warranty Is Required, Add	20.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0810 EA IOM2710-OU: BACnet Input/output Module. 6-Point IOM with 2 UI, 2 UO, 2 BO, FC Bus, and SA Bus Support.....	572.68	
Warranty For Every Year Material Warranty Is Required, Add	25.77	
23 09 23 00-0811 EA IOM3710-OU: BACnet Input/output Module. 12-Point IOM with 4 UI, 4 UO, 4 BO, FC Bus, and SA Bus Support.....	744.48	
Warranty For Every Year Material Warranty Is Required, Add	33.50	
23 09 23 00-0812 EA IOM4710-OU: BACnet Input/output Module. 17-Point IOM with 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, and SA Bus with Mounting Base.....	767.38	
Warranty For Every Year Material Warranty Is Required, Add	34.53	
23 09 23 00-0813 EA XT9100: DX-9100Extension Module.....	704.79	
Warranty For Every Year Material Warranty Is Required, Add	31.72	
23 09 23 00-0814 EA XP9102: DX-9100 Expansion Module with 2 Analog Outputs and 6 Analog Inputs.....	802.16	
Warranty For Every Year Material Warranty Is Required, Add	36.10	
23 09 23 00-0815 EA XP9103: DX-9100 Expansion Module with 8 Digital Outputs (triacs).....	464.61	
Warranty For Every Year Material Warranty Is Required, Add	20.91	
23 09 23 00-0816 EA XP9104: DX-9100 Expansion Module with 4 Digital Inputs, 4 Digital Outputs (triacs).....	464.61	
Warranty For Every Year Material Warranty Is Required, Add	20.91	
23 09 23 00-0817 EA XP9105: DX-9100 Expansion Module with 8 Digital Inputs.....	464.61	
Warranty For Every Year Material Warranty Is Required, Add	20.91	
23 09 23 00-0818 EA XP9107: DX-9100 Expansion Module with 4 Digital Outputs (24 Volt Relay).....	401.65	
Warranty For Every Year Material Warranty Is Required, Add	18.07	
23 09 23 00-0819 EA ZFR1810: Wireless Field Bus Coordinator, 10 mW Transmission Power. Functions with NAE35xx, NAE45xx, NAE55xx, and NCE25xx models.....	785.29	
Warranty For Every Year Material Warranty Is Required, Add	35.34	
23 09 23 00-0820 EA ZFR1811: Wireless Field Bus Router, 10 mW Transmission Power. Functions with Metasys BACnet FECs, VMA1600s, and WRZ-TTx Series Wireless Mesh Room Temperature Sensors.....	266.49	
Warranty For Every Year Material Warranty Is Required, Add	11.99	
23 09 23 00-0821 EA MS-ZFRCLB-0: An optional cable harness accessory that is intended for use with the ZFR1800 Series Wireless Field Bus System.....	38.99	
Warranty For Every Year Material Warranty Is Required, Add	1.75	
23 09 23 00-0822 EA MS-ZFRRPT-0: Optional Repeater Accessory for use with ZFR1811 Router as a repeater. Includes 20-28 Volt AC or 16-30 Volt DC input power, 12 Volt DC output power supply (regulated at 500 mA maximum, 6 VA), and 4 x 4 in. electrical box with cover.....	137.50	
Warranty For Every Year Material Warranty Is Required, Add	6.19	
23 09 23 00-0823 EA WRZ-7840-0: One-to-One Wireless Receiver. Functions with a WRZ-TTx wireless sensor; and a FEC Series or VMA1600 Series field controller. Up to five WRZ-TTx sensors may be used per WRX-7840-0 receiver for averaging temperature in a zone.....	253.98	
Warranty For Every Year Material Warranty Is Required, Add	11.43	
23 09 23 00-0824 EA WRZ-SST-100: Wireless Sensing System Tool consisting of a WRZ-7840-0 receiver and a battery pack is a light weight, portable wireless receiver designed to receive wireless data transmissions from a WRZ-TTx Series Sensor. In One-to-One sensing system applications, this tool assists during a site survey, to determine the optimum locations for sensors and receivers. It can also work as a signal test receiver or "site survey tool" prior to installing a Mesh Network System.....	374.29	
Warranty For Every Year Material Warranty Is Required, Add	16.84	
23 09 23 00-0825 EA WRZ-SST-110: Wireless Sensing System Tool consisting of a WRZ-7850-0 receiver and battery pack is a light weight portable wireless receiver designed to receive wireless data transmissions from a WRZ-TTx Series Sensor. In One-to-One sensing system applications, this tool assists during a site survey, to determine the optimum locations for sensors and receivers. It can also work as a signal test receiver or site survey tool prior to installing a Mesh Network System.....	370.59	
Warranty For Every Year Material Warranty Is Required, Add	16.68	
23 09 23 00-0826 EA WRZ-THB0000-0: Wireless Temperature/Humidity Sensor with Display, Warmer/Cooler (+/-) Set point Adjustment or Set point Adjustment Scale: 13 to 29°C/55 to 85°F, F/C Button, RH Button and Occupancy Button, 10 mW Transmission Power.....	525.44	
Warranty For Every Year Material Warranty Is Required, Add	23.64	
23 09 23 00-0827 EA WRZ-THN0000-0: Wireless Temperature/Humidity Sensor, Occupancy Button, No Temperature adjustment and No LCD temperature/humidity display, 10 mW Transmission Power.....	468.53	
Warranty For Every Year Material Warranty Is Required, Add	21.08	
23 09 23 00-0828 EA WRZ-THP0000-0: Wireless Temperature/Humidity Sensor, Warmer/Cooler (+/-) Set point Adjustment and Occupancy Button, No LCD temperature/humidity display, 10 mW Transmission Power.....	476.47	
Warranty For Every Year Material Warranty Is Required, Add	21.44	
23 09 23 00-0829 EA WRZ-TTB0000-0: Wireless Temperature Sensor with Display and F/C Button, 10 mW Transmission Power.....	312.80	
Warranty For Every Year Material Warranty Is Required, Add	14.08	
23 09 23 00-0830 EA WRZ-TTD0000-0: Wireless Temperature Sensor with Display, F/C Button and Fan Speed Control, 10 mW Transmission Power.....	312.80	
Warranty For Every Year Material Warranty Is Required, Add	14.08	
23 09 23 00-0831 EA WRZ-TTP0000-0: Wireless Room Temperature Sensor, Warmer/Cooler (+/-) Set point Adjustment, 10 mW Transmission Power.....	315.81	
Warranty For Every Year Material Warranty Is Required, Add	14.21	
23 09 23 00-0832 EA WRZ-TTR0000-0: Wireless Room Temperature Sensor, No Set point Adjustment, 10 mW Transmission Power.....	305.99	
Warranty For Every Year Material Warranty Is Required, Add	13.77	
23 09 23 00-0833 EA WRZ-TTS0000-0: Wireless Room Temperature Sensor, Set point Adjustment Scale: 13 to 29°C/55 to 85°F, 10 mW Transmission Power.....	315.81	
Warranty For Every Year Material Warranty Is Required, Add	14.21	
23 09 23 00-0834 EA WRS - RTN0000 - 0: Receiver for Many - to - One Wireless Room Temperature Sensing System, Includes Omni directional Antenna, 15 dBm Transmission Power.....	1,022.21	
Warranty For Every Year Material Warranty Is Required, Add	46.00	
23 09 23 00-0835 EA WRS-SST - 100: Wireless Sensing System Tool (Monitors RF Signal Strength and Temperature Data between a WRS-TTx0000-0 Series Sensor and the Associated WRS-RTN0000-0 Series or TE-7800 Series Receiver), 15 dBm Transmission Power.....	374.29	
Warranty For Every Year Material Warranty Is Required, Add	16.84	
23 09 23 00-0836 EA WRS - TTP0000 - 0: Wireless Room Temperature Sensor, Warmer/Cooler (+/-) Set point Adjustment, 15 dBm Transmission Power.....	332.95	
Warranty For Every Year Material Warranty Is Required, Add	14.98	
23 09 23 00-0837 EA WRS - TTR0000 - 0: Wireless Room Temperature Sensor, No Set point Adjustment, 15 dBm Transmission Power.....	303.74	
Warranty For Every Year Material Warranty Is Required, Add	13.67	
23 09 23 00-0838 EA WRS - TTS0000 - 0: Wireless Room Temperature Sensor, Set point Adjustment Scale: 55 to 85°F/13 to 29°C, 15 dBm Transmission Power.....	332.95	
Warranty For Every Year Material Warranty Is Required, Add	14.98	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0839 EA DT-9100-6801: Cable for LCD Display (recommended for every DX-9100) .....	66.02	
Warranty For Every Year Material Warranty Is Required, Add	2.97	
23 09 23 00-0840 EA DT-9100-8902: Wall Mounting Kit (recommended for every DX-9100) .....	61.48	
Warranty For Every Year Material Warranty Is Required, Add	2.77	
23 09 23 00-0841 EA DT9100-8104: LCD Display Unit for DX-9100 (recommended for every DX-9100) .....	2,189.93	
Warranty For Every Year Material Warranty Is Required, Add	98.55	
23 09 23 00-0842 EA Custom Panel Cost: This cost is applicable for every control panel assembly that requires extension module(s) (IOM's and DX/DT combinations) .....	992.64	
Warranty For Every Year Material Warranty Is Required, Add	44.67	
23 09 23 00-0843 EA Custom Panel Cost: This cost is applicable for every control panel assembly that needs an outdoor rated enclosure (weatherproof) .....	1,323.52	
Warranty For Every Year Material Warranty Is Required, Add	59.56	
23 09 23 00-0844 EA Custom Panel Cost: This cost is applicable for every face mounted item such as a display, meter, or gauge. ....	330.88	
Warranty For Every Year Material Warranty Is Required, Add	14.89	
<b>23 09 23 00-0845 EMCS Software (23 09 23 00-0622)</b>		
23 09 23 00-0846 EA MS-ADXSWSQL-0: new ADX project software for up to 25 concurrent users; includes Microsoft SQL Server 2008 software with a Processor License for unlimited users/devices .....	92,695.19	
23 09 23 00-0847 EA MS-ADXSWO-SCS: ADX server site subscription service with ADX upgrade software and all NAE/NIE software image upgrades (25 concurrent users). ADX package also includes: SCT and Export Utility software. (1 year) .....	9,181.86	
23 09 23 00-0848 EA MS-ADX10SQL-0: new ADX project software for up to 10 concurrent users; includes Microsoft SQL Server™ 2008 software with a Processor License for unlimited users/devices .....	59,148.86	
23 09 23 00-0849 EA MS-ADX10U-SCS: ADX server site subscription service with ADX upgrade software and all NAE/NIE software image upgrades (10 concurrent users). ADX package also includes: SCT and Export Utility software. (1 year) .....	7,443.13	
23 09 23 00-0850 EA MS-ADS05U-0: new ADS project software for up to 5 concurrent users. Includes SQL server express .....	27,681.53	
23 09 23 00-0851 EA MS-ADS05U-0-SCS: ADS server site subscription service with ADS upgrade software and all NAE/NIE software image upgrades (5 concurrent users). ADS package also includes: SCT and Export Utility software. (1 year) .....	6,835.53	
23 09 23 00-0852 EA MS-RAP Ready Access Portal: The Ready Access Portal software provides a natural, complementary extension of the Metasys® Site Management Portal User Interface (UI). The Ready Access Portal UI allows targeted users to access only specific key functions of the Metasys system and perform typical tasks through a more intuitive navigation process. Available on a computer or handheld platform, the Ready Access Portal UI requires only a Web browser .....	2,726.46	
23 09 23 00-0853 EA MS-ADVGRF-0 Advanced Graphics: The Advanced Graphics application is an enhanced graphics programming package that provides dynamic graphic capabilities such as animation, color changing, and flashing for the Metasys system extended architecture .....	894.21	
23 09 23 00-0854 EA MS-EREPORT-0 Energy Essentials: An add-on to the Metasys® Advanced Reporting System, Energy Essentials provides seven fundamental energy reports that no site should live without. ....	2,044.85	
23 09 23 00-0855 EA MS-EXPORT-0 Export Utility: The Export Utility extracts historical trend, alarm, and audit data from the system and presents the historical data in a variety of formats. Using these flexible formats, in programs such as Microsoft® Excel and Access, users can easily sort, compare, and archive data in spreadsheets and databases. ....	2,866.03	
23 09 23 00-0856 EA MS-SCTSWO-0 System Configuration Tool: As an integral part of the Metasys® system extended architecture, the System Configuration Tool (SCT) supports the engineering, installing, and commissioning of your building automation system .....	3,869.34	
23 09 23 00-0857 EA Symantec Antivirus .....	951.03	
23 09 23 00-0858 EA Microsoft Office .....	2,647.00	
<b>23 09 23 00-0859 Automated Logic Controls (23 09 23)</b>		
23 09 23 00-0860 EA 0 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0100) .....	3,263.16	176.43
23 09 23 00-0861 EA 0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0320) .....	6,767.46	529.30
23 09 23 00-0862 EA 2 Digital Outputs, 2 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M220nx) .....	2,036.04	176.43
23 09 23 00-0863 EA 4 Digital Outputs, 10 Universal Inputs, 6 Analog Outputs Standalone Control Module (Automated Logic M4106nx) .....	4,839.28	235.25
23 09 23 00-0864 EA 8 Digital Outputs, 10 Universal Inputs, 2 Analog Outputs Standalone Control Module (Automated Logic M8102nx) .....	4,747.70	235.25
23 09 23 00-0865 EA 16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M16160) .....	7,297.57	470.49
23 09 23 00-0866 EA 8 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M880nx) .....	4,152.46	235.25
23 09 23 00-0867 EA 0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX0320) .....	4,398.70	176.43
23 09 23 00-0868 EA 16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX16160) .....	6,748.12	470.49
23 09 23 00-0869 EA No Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642) .....	1,109.62	117.63
23 09 23 00-0870 EA With Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642D) .....	1,183.12	117.63
23 09 23 00-0871 EA 3 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN341+) .....	2,522.66	117.63
23 09 23 00-0872 EA 1 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN141+) .....	2,419.64	117.63
23 09 23 00-0873 EA Air Flow Sensor And Damper Actuator Accessory For ZN341V+ Or ZN141V+ (Automated Logic ZASF) .....	1,797.94	176.43
23 09 23 00-0874 EA Unlimited Points, Front End Software For Building Control (Automated Logic WC) .....	13,760.81	
23 09 23 00-0875 EA 500 Point, Front End Software For Building Control (Automated Logic WC500) .....	8,174.67	
23 09 23 00-0876 EA Enterprise Integration Option, Front End Software For Building Control (Automated Logic WC-ENTERPRISE) .....	12,035.12	
<b>23 09 23 00-0877 Alerton Controls (23 09 23)</b>		
23 09 23 00-0878 EA 50 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-SMALL) .....	9,114.19	
23 09 23 00-0879 EA 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-MEDIUM) .....	12,109.90	
23 09 23 00-0880 EA Dashboard Option, 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-MEDIUM) .....	32,801.01	
23 09 23 00-0881 EA Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-LARGE) .....	24,254.68	
23 09 23 00-0882 EA Dashboard Option, Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-LARGE) .....	64,737.27	
23 09 23 00-0883 EA Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3- ENTERPRISE) .....	50,756.39	
23 09 23 00-0884 EA Dashboard Option, Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-ENTERPRISE) .....	78,231.45	
23 09 23 00-0885 EA Alerton Building Suite Tech License (Alerton ABS-3-TECH) .....	2,028.44	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0886	EA			Enterprise Edition With SQL Server Support, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-ENT1).....	28,806.72	
23 09 23 00-0887	EA			Unlimited Controllers, Unlimited Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-LRG).....	20,696.70	
23 09 23 00-0888	EA			150 Controllers, 3 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-MED).....	12,046.94	
23 09 23 00-0889	EA			50 Controllers, 1 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-SM).....	6,905.63	
23 09 23 00-0890	EA			10 Controllers, 1 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-XS).....	2,505.98	
23 09 23 00-0891	EA			1 Ethernet, 1 MS/TP, BACtalk Control Module (Alerton 715000100).....	5,020.41	176.43
23 09 23 00-0892	EA			Foreign Protocol Converter For P1 Systems, BACtalk Control Module (Alerton BCM-FPCS).....	7,511.31	235.25
23 09 23 00-0893	EA			Modbus Gateway, BACtalk Control Module (Alerton BCM-MDBS).....	7,401.55	235.25
23 09 23 00-0894	EA			V.90/56K Modem, BACtalk Control Module (Alerton BCM-MDM).....	2,366.54	176.43
23 09 23 00-0895	EA			1 MS/TP, BACtalk Control Module (Alerton 715000300).....	3,009.77	176.43
23 09 23 00-0896	EA			Power Supply, BACtalk Control Module (Alerton BCM-PWS).....	2,168.62	176.43
23 09 23 00-0897	EA			1 TUX Trunk, BACtalk Control Module (Alerton BCM-TUX).....	2,862.24	176.43
23 09 23 00-0898	EA			Web Server And Configurator CD, BACtalk Control Module (Alerton BCM-WEB).....	7,692.25	176.43
23 09 23 00-0899	EA			BACtalk Field Level Gateway For Modbus (Alerton FLG-MODBUS).....	2,934.98	235.25
23 09 23 00-0900	EA			EXP BACnet Controller (Alerton VLX).....	6,630.12	470.49
23 09 23 00-0901	EA			VLX BACnet High Performance Controller (Alerton VLX-PLATINUM).....	8,038.03	470.49
23 09 23 00-0902	EA			Multiple Segment MS/TP Repeater (Alerton MSTP-REP).....	1,097.68	52.39
23 09 23 00-0903	EA			4 Inputs, 2 Flow Transducers, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD).....	1,804.28	176.43
23 09 23 00-0904	EA			4 Inputs, 2 Flow Transducers, 3 Binary Triac Outputs, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD7).....	1,952.73	176.43
23 09 23 00-0905	EA			4 Inputs, 1 Flow Transducers, 3 Hot-Switching Binary Triac Outputs, 2 Ground-Switching Binary Triac Outputs, Single-Duct VAV Controller (Alerton VAV-SD).....	1,439.95	176.43
23 09 23 00-0906	EA			4 Universal Inputs, 5 Binary Outputs, 2 Analog Outputs, Single-Duct VAV Controller (Alerton VAV-SD2A).....	1,646.86	176.43
23 09 23 00-0907	EA			5 Universal Inputs, 6 Binary Outputs, Integral Honeywell Actuator, Single-Duct VAV Controller (Alerton VAVIH-SD).....	1,637.87	176.43
23 09 23 00-0908	EA			11 Inputs, 8 Binary Triac Outputs, 8 Analog Outputs, BACtalk Field Controller For Central Plant Systems (Alerton VLC-1188).....	2,825.35	176.43
23 09 23 00-0909	EA			16 Inputs, BACtalk Field Controller (Alerton VLC-1600).....	2,007.60	176.43
23 09 23 00-0910	EA			16 Inputs, 16 Binary Triac Outputs, BACtalk Field Controller (Alerton VLC-16160).....	3,128.41	235.25
23 09 23 00-0911	EA			4 Universal Inputs, 4 Binary Outputs, 4 Analog Outputs, Field Controller (Alerton VLC-444).....	1,332.11	117.63
23 09 23 00-0912	EA			5 Inputs, 5 Binary Outputs, BACtalk Field Controller (Alerton VLC-550).....	1,272.72	117.63
23 09 23 00-0913	EA			6 Inputs, 2 Binary Triac Outputs, 3 Isolated Relay Outputs, BACtalk Field Controller (Alerton VLC-651R).....	1,660.35	176.43
23 09 23 00-0914	EA			6 Inputs, 3 Binary Triac Outputs, 3 Isolated Relay Outputs, BACtalk Field Controller (Alerton VLC-660R).....	1,660.35	176.43
23 09 23 00-0915	EA			8 Inputs, 5 Binary Triac Outputs, 3 Analog Outputs, BACtalk Field Controller (Alerton VLC-853).....	2,139.84	176.43
23 09 23 00-0916	EA			16 Universal Inputs, 8 Binary Outputs, 8 Analog Outputs, Field Controller (Alerton VLCA-1688).....	4,703.63	235.25
23 09 23 00-0917	EA			2 Fixed Inputs, 3 Universal Inputs, 6 Binary Outputs, 2 Analog Outputs, VisualLogic Display Controller (Alerton VLD-362).....	1,745.81	176.43
23 09 23 00-0918	EA			Wireless Door Contact Sensor (Alerton AL-OC-DS).....	139.78	6.62
23 09 23 00-0919	EA			One-Speed BACtalk Microset Wall Sensor (Alerton MS-1010-BT).....	244.49	6.62
23 09 23 00-0920	EA			One-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1010H-BT).....	669.11	6.62
23 09 23 00-0921	EA			Three-Speed BACtalk Microset Wall Sensor (Alerton MS-1030-BT).....	669.11	6.62
23 09 23 00-0922	EA			Three-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1030H-BT).....	514.39	6.62
23 09 23 00-0923	EA			BACnet-Compliant Wall Sensor (Alerton TS-1050-BT).....	154.54	6.62
23 09 23 00-0924	EA			Wireless Temperature And Humidity Sensor (Alerton WTS-1000-KIT).....	707.80	6.62
23 09 23 00-0925	EA			Wireless Temperature And Humidity Sensor With Temperature Adjustment Knob And Manual Override (Alerton WTS-1050-KIT).....	797.77	6.62
23 09 23 00-0926	EA			10 12-Bit Inputs, 12 Binary Triac Outputs Expansion Module (Alerton EXP-10-12-0).....	2,816.36	176.43
23 09 23 00-0927	EA			10 12-Bit Inputs, 4 Binary Triac Outputs Expansion Module (Alerton EXP-10-4-8).....	3,037.65	176.43
23 09 23 00-0928	EA			22 12-Bit Inputs Expansion Module (Alerton EXP-22-0-0).....	2,846.94	176.43
23 09 23 00-0929	EA			50 Devices, Ascent Compass 1 Software, Small License (Alerton Compass-1-SM).....	5,998.51	
23 09 23 00-0930	EA			Global Controller Base Unit (Alerton ACM).....	3,263.89	176.43
23 09 23 00-0931	EA			External Battery Pack For ACM (Alerton ACM-BATT).....	709.37	98.14
23 09 23 00-0932	EA			Licenses The ACM For Capacity Of 32 Directly Connected Devices (Alerton ACM032).....	573.63	
23 09 23 00-0933	EA			Microset 4 Wall Sensor (Alerton MS4-THC).....	659.08	6.62
<b>23 09 23 00-0934 Siemens Controls <small>(23 09 23)</small></b>						
23 09 23 00-0935	EA			Concealed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1083).....	260.56	11.03
23 09 23 00-0936	EA			Exposed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1085).....	184.71	11.03
23 09 23 00-0937	EA			SPST/Manual Reset, 1" To 12" Set Point Range, Differential Static Pressure Airflow Switch (Siemens 141-0575).....	193.55	49.67
23 09 23 00-0938	EA			-0.5" To 0.5" WG, Low Differential Pressure Transmitter (Siemens 141-0591).....	293.03	49.67
23 09 23 00-0939	EA			Spring Clip Mounting Kit For Thermostat (Siemens 182-685).....	43.98	7.35
23 09 23 00-0940	EA			Two Position, Pneumatic Circuit, RL243 Switching Relay (Siemens 243-0001).....	147.37	73.51
23 09 23 00-0941	EA			3/4" Two Way, Normally Closed, 6.3 Cv, FxF, Brass Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 260-02012).....	239.11	12.64
23 09 23 00-0942	EA			1" Three Way, 10 Cv, FxF, Stainless Steel Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 266-02079).....	421.83	22.96
23 09 23 00-0943	EA			1" Three Way, 10 Cv, FxF, Brass Trim, 0 To 10 Volt DC, 4 To 20 mA Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 274-03203).....	847.20	22.96
23 09 23 00-0944	EA			1-1/4" Two Way, 16 Cv, FxF, Stainless Steel Trim, 0 To 10 Volt DC Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 298-03006).....	717.39	29.08
23 09 23 00-0945	EA			36" Rigid Probe, 4 To 20 mA, 20 To 120 Degree F Range, Duct Averaging Sensor (Siemens 535-490-36).....	192.92	42.35
23 09 23 00-0946	EA			-58 To 122 Degree F Range, Outside Air Temperature Sensor (Siemens 536-768).....	160.67	23.52
23 09 23 00-0947	EA			Unit Conditioner Controller With Secure Mode (Siemens 540-110C).....	853.67	117.63
23 09 23 00-0948	EA			9-Pin, Female To RJ-11 Cable (Siemens 540-143).....	63.43	3.68
23 09 23 00-0949	EA			Terminal Box Controller, Electronic Output, For Trane (Siemens 540-800).....	976.38	117.63
23 09 23 00-0950	EA			MMI Extension Cable (Siemens 545-712).....	184.26	3.68
23 09 23 00-0951	EA			Remote Pressure Transmitter (Siemens 547-003).....	830.55	23.52
23 09 23 00-0952	EA			Cooling Only, GDE, BACnet Actuating Terminal Equipment Controller (Siemens 550-400).....	548.99	58.81

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-0953	EA		BACnet Unit Conditioner Fan Coil Controller (Siemens 550-433).....	446.96	58.81
23 09 23 00-0954	EA		Replacement Door Lock And Key Assembly (Siemens 567-225).....	25.11	14.70
23 09 23 00-0955	EA		Insight Advanced Software Package (Siemens 571-010-381-USB)..... Note: Includes one user license and one sentinel key.	8,527.57	
23 09 23 00-0956	EA		BACnet Client Option For Insight Advanced Software Package (Siemens 571-188).....	310.90	
23 09 23 00-0957	EA		Soft Controller Option For Insight Advanced Software Package (Siemens 571-620).....	1,861.59	
23 09 23 00-0958	EA		1" Steam, Normally Open, 10 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03059).....	280.90	7.63
23 09 23 00-0959	EA		2" Steam, Normally Open, 40 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03062).....	590.66	13.24
23 09 23 00-0960	EA		Firefinder XLS Driver, Modular Equipment Controller With RS-485 BLN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, HOA-Ready (Siemens 986-83481C).....	7,875.02	294.06
23 09 23 00-0961	EA		SiPass Driver, Modular Equipment Controller With RS-485 ALN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, Modem With HOA (Siemens 986-83482F).....	8,871.65	294.06
23 09 23 00-0962	EA		7" x 13-7/16" x 3-3/4" Weather Shield (Siemens ASK75.3U).....	102.25	11.03
23 09 23 00-0963	EA		Two Position, 24 VAC/VDC, Standard Cabling, Dual Auxillary Switches, Electronic Damper Actuator With Spring Return (Siemens GMA126.1U).....	375.33	57.79
23 09 23 00-0964	EA		Modulating, 0 To 10 VDC, , 24 VAC/VDC, Standard Cabling, Electronic Damper Actuator With Spring Return (Siemens GMA161.1U).....	392.36	57.79
23 09 23 00-0965	EA		License To Enable 4 TX-I/O Modules On The Island Bus And FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-36.A).....	2,437.72	
23 09 23 00-0966	EA		License To Enable FLN Support On PXC-16 or PXC-24 "F" Models (Siemens LSM-FLN).....	492.24	
23 09 23 00-0967	EA		License To Enable FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-FLN36.A).....	1,584.23	
23 09 23 00-0968	EA		License To Enable BACnet Field Panel Web Server (PXC-36) Or Web Services (PXC-16/24) (Siemens LSM-FPWEB).....	1,134.09	
23 09 23 00-0969	EA		License To Enable 4 TX-I/O Modules On The Island Bus On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-IB36.A).....	974.92	
23 09 23 00-0970	EA		License To Enable SNMP Agent License To Enable SNMP Agent (Siemens LSM-SNMP).....	2,882.30	
23 09 23 00-0971	EA		16-Switch HOA Upgrade Kit (Siemens PXA16-M).....	459.40	1.47
23 09 23 00-0972	EA		16-Switch HOA Upgrade Kit (Extended Temp, UL 916) With HMI Cable (Siemens PXA16-MR).....	512.58	5.89
23 09 23 00-0973	EA		8-Switch HOA Upgrade Kit (Siemens PXA8-M).....	260.23	1.47
23 09 23 00-0974	EA		18" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC18).....	289.03	14.70
23 09 23 00-0975	EA		19" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC19).....	480.19	14.70
23 09 23 00-0976	EA		34" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC34).....	648.06	14.70
23 09 23 00-0977	EA		Serial Cable Required For HOA Or PXM10T/S Connection To Non-Rooftop Variants Of The 16-Point And 24-Point Compact Series (Siemens PXA-HMI.CABLEP5).....	23.91	7.35
23 09 23 00-0978	EA		115 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB115V192VA).....	601.33	36.76
23 09 23 00-0979	EA		115 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB115V384VA).....	874.88	36.76
23 09 23 00-0980	EA		230 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB230V192VA).....	702.11	36.76
23 09 23 00-0981	EA		230 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB230V384VA).....	990.07	36.76
23 09 23 00-0982	EA		PXC Modular, BACnet/IP Or MS/TP ALN, P1 Or MS/TP FLN, PXX-485.3 Is Also Required As The Connection To The FLN Devices (Siemens PXC00-E96.A).....	4,449.83	411.69
23 09 23 00-0983	EA		PXC Modular Series For BACnet Networks, TX-I/O Module, 96 Node (Siemens PXC100-E96.A).....	3,701.66	117.63
23 09 23 00-0984	EA		Peer To Peer, TX-I/O, 96 Node, APOGEE Automation System, Programmable Controller - Modular (Siemens PXC100-PE96.A).....	5,909.35	470.49
23 09 23 00-0985	EA		16 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC16.2-E.A).....	2,030.72	220.55
23 09 23 00-0986	EA		16 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC16.2-EF.A).....	2,226.01	220.55
23 09 23 00-0987	EA		16 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC16.2-M.A).....	2,096.61	220.55
23 09 23 00-0988	EA		24 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC24.2-E.A).....	2,561.34	235.25
23 09 23 00-0989	EA		24 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-EF.A).....	2,696.18	235.25
23 09 23 00-0990	EA		24 Point, BACnet/IP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-ER.A).....	2,662.72	235.25
23 09 23 00-0991	EA		24 Point, BACnet/IP ALN, Rooftop, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-ERF.A).....	2,783.54	235.25
23 09 23 00-0992	EA		24 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC24.2-M.A).....	2,659.68	235.25
23 09 23 00-0993	EA		24 Point, MS/TP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-MR.A).....	2,782.71	235.25
23 09 23 00-0994	EA		36 Point, BACnet/IP Or MS/TP ALN Compact Programmable Controller (Siemens PXC36-E.A).....	4,149.22	411.69
23 09 23 00-0995	EA		36 Point, BACnet/IP Or MS/TP ALN, Island Bus, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC36-EF.A).....	6,593.83	470.49
23 09 23 00-0996	EA		License To Enable The Island Bus On PXC00-E96.A and PXC00-PE96.A (Siemens PXF-TXIO.A).....	731.34	
23 09 23 00-0997	EA		Controller Mounted Operator Display Module With Point Monitor And Optional Blue Backlight (Siemens PXM10S).....	403.68	29.41
23 09 23 00-0998	EA		Controller Mounted Operator Display Module (Siemens PXM10T).....	471.74	58.81
23 09 23 00-0999	EA		Provides FLN Support For The PXC Modular, Includes Three RS-485 P1 FLN Connections Or One MS/TP FLN Connection, Maximum Of 96 Devices Supported (Siemens PXX-485.3).....	487.91	14.70
23 09 23 00-1000	EA		Full Feature With Display, Override And Temperature Setpoint Adjustment, Room Temperature Sensor, 10K Ohm Type III Thermistor (Siemens QAA22SS.FWSN).....	235.28	42.35
23 09 23 00-1001	EA		Digital Temperature Room Unit for TEC, Sensing, Setpoint, Override, Display, No Logo (Siemens QAA2280.FWNC).....	163.57	23.52
23 09 23 00-1002	EA		4" Platinum, 1,000 Ohm, 385 Alpha Probe, Immersion Temperature Sensor (Siemens QAE2012.010).....	103.99	23.52
23 09 23 00-1003	EA		8" Platinum, 1,000 Ohm, 385 Alpha Probe, Duct Temperature Sensor (Siemens QAM2012.020).....	130.84	42.35
23 09 23 00-1004	EA		24" Flexible Averaging Probe (Siemens QAM2012.750).....	212.16	42.35
23 09 23 00-1005	EA		2 Meter Flexible Duct Temperature Sensor With Four Mounting Clamps (Siemens QAM2120.200).....	167.19	42.35
23 09 23 00-1006	EA		10 HP, 240 Volt, NEMA 2 Variable Frequency Drive (Siemens SED2-7.5/22X).....	2,014.21	236.87
23 09 23 00-1007	EA		Two Sets, Address Keys 1 - 12, Accessory For TX-I/O Module (Siemens TXA1.K12).....	21.85	7.35
23 09 23 00-1008	EA		Labels For HOA And TX-I/O Modules (Siemens TXA1.LLT-P100).....	0.48	
23 09 23 00-1009	EA		16 Digital Input Module (Siemens TXM1.16D).....	382.02	7.35
23 09 23 00-1010	EA		6 Digital Output Relay Points, Manual Override, Digital Output Module (Siemens TXM1.6R-M).....	568.34	7.35
23 09 23 00-1011	EA		8 Universal Points, Local Override/Identification, Digital Output Module (Siemens TXM1.8X-ML).....	900.83	14.70
23 09 23 00-1012	EA		1.2 A, 4A Fuse, Power Supply (Siemens TXS1.12F4).....	319.50	23.52

23 09 23 00-1013 Cypress Envirosystems Controls (23 09 23)

23 09 23 00-1014 Wireless Pneumatic Thermostat (23 09 23 00-1013)

Note: Wireless pneumatic thermostats, hub and repeaters must be installed by installers certified by the manufacturer.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-1015 EA Two-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2DP).....	326.36	7.35
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct	-16.78	
For >200, Deduct	-33.54	
23 09 23 00-1016 EA Two-Pipe Reverse Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2RP).....	326.36	7.35
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct	-16.78	
For >200, Deduct	-33.54	
23 09 23 00-1017 EA Single-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP) .....	326.36	7.35
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct	-16.78	
For >200, Deduct	-33.54	
23 09 23 00-1018 EA Single-Pipe Indirect Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1RP) .....	326.36	7.35
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct	-16.78	
For >200, Deduct	-33.54	
23 09 23 00-1019 EA Two-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2DP-DB) .....	371.32	7.35
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct	-19.28	
For >200, Deduct	-38.53	
23 09 23 00-1020 EA Two-Pipe Reverse Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2RP-DB) .....	371.32	7.35
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct	-19.28	
For >200, Deduct	-38.53	
23 09 23 00-1021 EA Single-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP-DB) .....	371.32	7.35
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct	-19.28	
For >200, Deduct	-38.53	
23 09 23 00-1022 EA Single-Pipe Indirect Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1RP-DB) .....	381.00	7.35
Note: One for every thermostat to be retrofitted.		
For >50 To 200, Deduct	-19.82	
For >200, Deduct	-39.61	
23 09 23 00-1023 EA Wireless Pneumatic Thermostat Blank Cover (Cypress Envirosystems WPT-800-MCOV).....	27.16	7.35
Note: Optional cover.		
For >50 To 200, Deduct	-1.10	
For >200, Deduct	-2.20	
23 09 23 00-1024 EA Green Box Controller (Cypress Envirosystems GBC-800-001) .....	3,588.09	7.35
Note: One unit for up to 100 thermostats.		
For 2, Deduct	-183.15	
For >2, Deduct	-365.97	
23 09 23 00-1025 EA WPT USB Hub (Cypress Envirosystems WPT-800-HUSB) .....	268.75	7.35
Note: One unit for up to 100 thermostats.		
For 2, Deduct	-14.53	
For >2, Deduct	-29.04	
23 09 23 00-1026 EA WPT Repeater (Cypress Envirosystems WPT-800-RWAL) .....	468.03	7.35
Note: One unit for up to 15 thermostats.		
For >5 To 10, Deduct	-23.98	
For >10, Deduct	-47.91	
23 09 23 00-1027 EA 24 Volt, WPT Repeater (Cypress Envirosystems WPT-800-RWAL24V) .....	575.02	7.35
Note: One unit for up to 15 thermostats.		
For >5 To 10, Deduct	-27.88	
For >10, Deduct	-55.72	
<b>23 09 23 00-1028 E.G. Controls, Inc. (23 09 23)</b>		
23 09 23 00-1029 EA 24 VAC, Duplex/Triplex Stations, Pump Station Level Controller (E.G. Controls, Inc. DIGI-GAGE 2300).....	5,212.11	147.03
23 09 23 00-1030 EA 24 VAC, Triplex/Quadruplex Stations, Pump Station Level Controller (E.G. Controls, Inc. DIGI-GAGE 2400) .....	5,832.07	183.79
23 09 23 00-1031 EA 24 VAC, Six Pumps, Pump Station Level Controller (E.G. Controls, Inc DIGI-GAGE 2600) .....	6,124.17	220.55
23 09 23 00-1032 EA 24 VAC, Three Variable Speed Pumps, Pump Station Level Controller (E.G. Controls, Inc. VARI-GAGE 3300).....	7,143.55	183.79
<b>23 09 23 00-1033 Control Sensors, Meters, Relays, Power Supplies, Valves, Dampers And Actuators (23 09 23)</b>		
<b>23 09 23 00-1034 Temperature Sensors (23 09 23 00-1033)</b>		
23 09 23 00-1035 EA 10K Ohm Thermistor Duct Temperature Sensor (Kele ST-D24).....	127.04	42.35
23 09 23 00-1036 EA 10K Ohm Thermistor Duct Temperature Sensor, 1/2" LB Conduit Fitting (Kele ST-D24-XCO) .....	175.77	42.35
23 09 23 00-1037 EA 10K Ohm Thermistor Duct Temperature Sensor With Greenfield Fitting (Kele ST-D24-XG) .....	132.65	42.35
23 09 23 00-1038 EA 10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing (Kele ST-D24-XH) .....	138.40	42.35
23 09 23 00-1039 EA 10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 18" Probe (Kele ST-D24-XH-XL18) .....	140.31	42.35
23 09 23 00-1040 EA 10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 6" Probe (Kele ST-D24-XH-XL6).....	138.42	42.35
23 09 23 00-1041 EA 10K Ohm Thermistor Duct Temperature Sensor With Non Metallic Handibox Housing (Kele ST-D24-XHP) .....	139.43	42.35
23 09 23 00-1042 EA 10K Ohm Thermistor Duct Temperature Sensor With 4" Probe (Kele ST-D24-XL4) .....	149.12	42.35
23 09 23 00-1043 EA 10K Ohm Thermistor Duct Temperature Sensor With Weatherproof Housing (Kele ST-D24-XW).....	157.58	42.35
23 09 23 00-1044 EA 10K Ohm Thermistor Outdoor Air Temperature Sensor (Kele ST-O24) .....	191.81	58.81
23 09 23 00-1045 EA 10K Ohm Thermistor Outdoor Air Temperature Sensor With 25' Lead (Kele ST-O24-XC25).....	198.32	58.81
23 09 23 00-1046 EA Delta Style Surface Mounted 10K Ohm Thermistor Room Temperature Sensor (Kele BA/10K3-R-N-DF).....	86.34	23.52
23 09 23 00-1047 EA Delta Style Surface Mounted AD592 Room Temperature Sensor (Kele BA/592-10K-R) .....	88.73	23.52
23 09 23 00-1048 EA Stainless Steel Plate 1K Ohm Room Temperature Sensor (Kele BA/1K8-SP) .....	82.44	23.52



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 09 23 00-1049 Water Temperature Sensors</b> (23 09 23 00-1033)		
23 09 23 00-1050 EA 5" Immersion 20K Ohm Water Temp Sensor (Honeywell C7041D2001).....	101.88	45.51
23 09 23 00-1051 EA Strap-On 20K Ohm Water Temp Sensor (Honeywell C7041K2005).....	233.04	45.51
<b>23 09 23 00-1052 Relative Humidity Sensors</b> (23 09 23 00-1033)		
23 09 23 00-1053 EA 3% Duct Mounted RH Sensor (Kele HD30K).....	336.02	42.35
23 09 23 00-1054 EA 10K Ohm Thermistor 3% Duct Mounted RH Sensor (Kele HD30K-T3).....	345.10	42.35
23 09 23 00-1055 EA 3% RH Outdoor Air Sensor (Kele HO30K).....	391.64	58.81
23 09 23 00-1056 EA 2% Surface Mounted RH Transmitter (Kele HW20K).....	302.83	23.52
<b>23 09 23 00-1057 Pressure Sensors</b> (23 09 23 00-1033)		
23 09 23 00-1058 EA Differential Pressure Transmitters With NEMA 1 Case, 0 To .5" W.C. (Kele T30-005).....	447.56	49.67
23 09 23 00-1059 EA Differential Pressure Transmitters With NEMA 1 Case, 0 To 5" W.C. (Kele T30-050).....	398.83	49.67
23 09 23 00-1060 EA Adjustable Differential Pressure Switches, .05 To 12" W.C. (Kele AFS-222).....	163.02	49.67
23 09 23 00-1061 EA Adjustable Differential Pressure Switches, .05 To 2" W.C. (Kele AFS-262).....	168.68	49.67
23 09 23 00-1062 EA Manual Reset Adjustable Differential Pressure Switches, .4 To 2" W.C. (Kele AFS-460).....	179.77	49.67
23 09 23 00-1063 EA Adjustable Differential Pressure Switches, .05 To 12" W.C., 1/8" NPT (Kele AFS-145).....	167.05	49.67
23 09 23 00-1064 EA Water Differential Pressure Transmitter, 0 To 100psid, Bypass Valve Assembly Option (Kele 360C-P210D-BVA).....	1,633.78	49.67
Note: Excludes pipe fittings.		
23 09 23 00-1065 EA Water Differential Pressure Transmitter, 0 To 60psid, Bypass Valve Assembly Option (Kele 360C-P160D-BVA).....	1,633.78	49.67
Note: Excludes pipe fittings.		
23 09 23 00-1066 EA Magnahelic Gauge.....	435.18	30.36
<b>23 09 23 00-1067 Water Flow Meters</b> (23 09 23 00-1033)		
23 09 23 00-1068 EA Insertion Electromagnetic Water Flow Meter (Onicon F-3500).....	2,982.66	62.58
Note: Excludes pipe fittings.		
23 09 23 00-1069 EA Dual Turbine Insertion Flow Meter With Analog Output (Onicon F-1210).....	1,720.16	20.86
Note: Excludes pipe fittings.		
<b>23 09 23 00-1070 Air Flow Monitoring Stations</b> (23 09 23 00-1033)		
23 09 23 00-1071 EA Air Flow Monitoring Station.....	9,983.34	
23 09 23 00-1072 EA Analog Transmitter, 2 Point, 3 Sensor Air Flow Monitoring Station (Eatron GTA116).....	2,337.53	67.25
Note: 10' cable, 36" x 24" typical duct size.		
23 09 23 00-1073 EA Analog Transmitter, 3 Point, 4 Sensor Air Flow Monitoring Station (Eatron GTA116).....	3,357.37	67.25
Note: 10' cable, 48" x 36" typical duct size.		
23 09 23 00-1074 EA Analog Transmitter, 4 Point, 4 Sensor Air Flow Monitoring Station (Eatron GTA116).....	4,179.06	67.25
Note: 10' cable, 60" x 48" typical duct size.		
<b>23 09 23 00-1075 Gas Sensors</b> (23 09 23 00-1033)		
23 09 23 00-1076 EA 6-1/4" x 6-1/8" CO2 Sensor, 0-2,000 ppm (Kele WCO-1B).....	1,239.58	35.28
23 09 23 00-1077 EA Wall Mounted CO2 Sensor, 0-2,000 ppm With LCD Display (Kele CD-AW-LCD).....	548.43	23.52
23 09 23 00-1078 EA CO Monitor/Transmitter, 0 To 250 ppm (Kele GMT-CO-S2).....	985.75	35.28
Note: Solid state sensor.		
23 09 23 00-1079 EA CO2 Transmitter, Duct Mount, No Display, 0-10 Volt DC Out, 24 Volt AC/Volt DC, 0-10 Or 4-20mA, 0-2,000 ppm Range With CD-AD Duct Probe Assembly (CDE CD-AD-LCD; CD-AD).....	537.17	42.35
23 09 23 00-1080 EA Gas Monitor/Transmitter: The GMT Series Gas Monitor/Transmitter is a microprocessor-based system for continuous effective monitoring of toxic and combustible gases. The GMT provides a 4-20 mA output in proportion to the level of gas present, and a factory calibrated DPDT alarm relay. A 10-step LED display in the attractive case gives a visual indication of the gas level in the atmosphere. Gases detected include: Carbon Monoxide, Nitrogen Dioxide (diesel exhaust), Hydrogen, Chlorine, Combustibles, Ammonia, Hydrogen Sulfide, Oxygen and Sulfur Dioxide.....	3,004.72	
23 09 23 00-1081 EA Oxygen Sensor: The OS-1 is a dependable, economical oxygen sensor designed to monitor oxygen levels in ambient air.....	1,895.66	
23 09 23 00-1082 EA Duct CO Sensor.....	1,668.55	
<b>23 09 23 00-1083 Room Pressure Monitoring</b> (23 09 23 00-1033)		
23 09 23 00-1084 EA Hospital Room Pressure Monitor With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8640-PM).....	1,930.01	35.02
23 09 23 00-1085 EA Hospital Room Pressure Controller With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8630-PC).....	3,114.88	35.02
Note: Excludes dampers and actuators.		
23 09 23 00-1086 EA Hospital Room Pressure Status Remote Visual Display (TSI 8694-4).....	243.71	21.01
23 09 23 00-1087 EA Hospital Room Pressure Status Remote Negative/Neutral Key Switch (TSI 8694-7).....	281.53	21.01
<b>23 09 23 00-1088 Current Switches And Current Sensors</b> (23 09 23 00-1033)		
23 09 23 00-1089 EA Current Sensor, 0-20 Amp, 0-5 Volt DC (Senva C-1203).....	87.23	23.52
23 09 23 00-1090 EA Current Sensor, 0-20 Amp, 4-20mA (Senva C-1205).....	90.50	23.52
23 09 23 00-1091 EA VFD Current Switch, 0.5-135 Amp Range, Split Core (Senva C-2350VFD-L).....	138.59	23.52
23 09 23 00-1092 EA Current Switch, 0.15-100 Amp Range, Split Core With NC Command Relay (Senva C-2300 And CR4-24).....	82.85	23.52
23 09 23 00-1093 EA DC Current Sensor, Split Core, 0-50/100/200 Amp (Selectable), 4-20mA, 0-5 Volt DC (Veris H970HCA).....	250.07	23.52
23 09 23 00-1094 EA DC Current Sensor, Split Core, 0-20/40/80 Amp (Selectable), 0-20mA, 0-5 Volt DC (Veris H970LCC).....	160.26	23.52
23 09 23 00-1095 EA Current Switch, 1-135 Amp, N.O. Contact 1A @ 110 Volt (Veris H709).....	122.84	23.52
23 09 23 00-1096 EA Current Switch, 0-10/20/40 Amp, 4-20mA Analog Output, Solid Core, Loop Powered (Veris H721).....	122.84	23.52



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-1097 EA Energy Meter H8163 Series, With BACnet Output (Veris H8186-CB-BAC).....	3,245.13	117.63
23 09 23 00-1098 EA Power Transducer, Modbus RTU, 100 Amp (Veris H8035-0100-2)..... Note: 3 phase networked transducer.	824.61	23.52
23 09 23 00-1099 EA Energy Meter, Three Current Switches, Pulse Output, Phase Loss Alarm Output, 2,400 Amp (Veris H8163-2400-4-3).....	1,252.26	23.52
23 09 23 00-1100 EA Current Transducer, 0-20 Amp, 0-5 Volt DC (Kele 4CTV).....	131.64	23.52
23 09 23 00-1101 EA Solid Core Fixed Setpoint Digital Output Current Switch (Veris H-800).....	199.32	62.48
23 09 23 00-1102 EA Split Core Fixed Setpoint Digital Output Current Switch (Veris H-900).....	199.58	62.48
23 09 23 00-1103 EA Solid Core Adjustable Setpoint Digital Output Current Sensor (Veris H-708).....	212.70	62.48
23 09 23 00-1104 EA Split Core Adjustable Setpoint Digital Output Current Sensor (Veris H-908).....	215.98	62.48
23 09 23 00-1105 EA Solid And Split Core Adjustable Setpoint Digital Output VFD Current Switch (Veris H-904).....	234.56	62.48
23 09 23 00-1106 EA Toggle Switch.....	81.82	29.41
23 09 23 00-1107 EA Maintained Pushbutton Switch.....	87.17	29.41
23 09 23 00-1108 EA Manual Time Switch.....	137.62	29.41
23 09 23 00-1109 EA Emergency Stop Switch.....	227.84	29.41
23 09 23 00-1110 EA Float Switch.....	223.01	29.41
23 09 23 00-1111 EA Break Glass Switch.....	719.22	29.41
23 09 23 00-1112 EA Boiler E-Stop Switch.....	448.39	29.41
<b>23 09 23 00-1113 Relays</b> <small>(23 09 23 00-1033)</small>		
23 09 23 00-1114 EA DPDT, 24 Volt AC, Blade, Standard Relay (Kele RH2B-UAC24V).....	72.47	23.52
23 09 23 00-1115 EA SPDT, 24 Volt AC/Volt DC, 120 Volt AC Multi-Voltage Relay Module (Kele PAM-1).....	79.19	23.52
23 09 23 00-1116 EA SPDT, 24 Volt AC/Volt DC, 120 Volt AC Power Relay (Kele RIB2401B)..... Note: Box type.	111.61	29.41
23 09 23 00-1117 EA Motor Starter Interface, 300msec Pulse (Kele PIL-2).....	139.49	23.52
23 09 23 00-1118 EA DP Relay Socket, DIN Rail Mounted (Kele SH2B-05).....	67.60	23.52
23 09 23 00-1119 EA SP Relay Socket, DIN Rail Mounted (Kele SH1B-05).....	66.61	23.52
23 09 23 00-1120 EA SPDT, 24 Volt AC, Blade, Standard Relay (Kele RH1B-UAC24V).....	72.47	23.52
23 09 23 00-1121 EA DPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH2B-ULAC24V).....	75.54	23.52
23 09 23 00-1122 EA SPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH1B-ULAC24V).....	76.38	23.52
23 09 23 00-1123 EA SPDT Pilot Relay, Universal (Kele RIBU1C)..... Note: Box type.	83.29	29.41
23 09 23 00-1124 EA SPST Pilot Relay With HOA Switch (Kele RIBU1S)..... Note: Box type.	110.72	29.41
23 09 23 00-1125 EA SPDT 3 Phase Line Voltage Monitor, .1-5 Minute Delay On Break Timer (ICM400).....	195.32	29.41
23 09 23 00-1126 EA SPDT 3-Phase Line Voltage Monitor, 0-10 Minute Delay On Break Timer (ICM450).....	194.11	29.41
<b>23 09 23 00-1127 Surge Protectors</b> <small>(23 09 23 00-1033)</small>		
23 09 23 00-1128 EA Surge Protector, T100's, Summit, BCU, UPCM, PCM, TCM (Transtector TR2255).....	199.71	5.89
23 09 23 00-1129 EA Surge Protector, 1AC Outlet (Transtector TR2251).....	150.90	5.89
23 09 23 00-1130 EA Surge Protector, 2 AC Outlets (Transtector TR2254).....	234.90	5.89
23 09 23 00-1131 EA Surge Protector, DB-15 Connection (Transtector TR2259-DLP15).....	127.06	5.89
23 09 23 00-1132 EA Surge Protector, DB-25 Connection (Transtector TR2259-DLP25).....	127.06	5.89
23 09 23 00-1133 EA Surge Protector, DB-9 Connection (Transtector TR2259-DLP9).....	127.06	5.89
23 09 23 00-1134 EA Surge Protector, Individual Wire Connection (Transtector TR2258).....	183.83	5.89
23 09 23 00-1135 EA Surge Protector, Trane Communication Links (Transtector TR2257).....	113.44	5.89
<b>23 09 23 00-1136 Transformers</b> <small>(23 09 23 00-1033)</small>		
23 09 23 00-1137 EA 50 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X050CBA).....	86.50	23.52
23 09 23 00-1138 EA 75 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X075CAB).....	94.13	23.52
23 09 23 00-1139 EA 75 VA, 120/208/240/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X075CBA).....	94.13	23.52
23 09 23 00-1140 EA 100 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X100CAB).....	101.04	23.52
23 09 23 00-1141 EA 100 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X100CBA).....	105.29	23.52
<b>23 09 23 00-1142 Power Supplies</b> <small>(23 09 23 00-1033)</small>		
23 09 23 00-1143 EA Solid Core Current Operated Switch, Terminals, Adjustable Trip, 0.5-150A, SPST (Kele RIBXKTA).....	129.42	23.52
23 09 23 00-1144 EA AC/DC Power Supply, 1.2 Amp @ 24 Volt Output (Kele DCPA-1.2).....	150.59	23.52
23 09 23 00-1145 EA DC Power Supply, 5 Volt DC And 24 Volt DC Output (Kele DCP-524).....	141.05	23.52
23 09 23 00-1146 EA DC Power Supply, 24 Volt DC, DIN Rail Mounted (Kele DCP-250-D).....	145.56	23.52
23 09 23 00-1147 EA DC Power Supply, 24 Volt DC, Hub Mounted (Kele DCP-250-H).....	141.54	23.52
23 09 23 00-1148 EA DC Power Supply, 24 Volt DC, Panel Mounted (Kele DCP-250-P).....	148.27	23.52
23 09 23 00-1149 EA DC Power Supply, 24 Volt AC In To Custom DC Out, At 1.5 Amp (Kele DCP-1.5-W-C).....	111.23	23.52
23 09 23 00-1150 EA Uninterruptable Power Supply (UPS).....	885.65	
<b>23 09 23 00-1151 Control Damper Actuators</b> <small>(23 09 23 00-1033)</small>		
23 09 23 00-1152 EA 44 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non Spring Return Direct Coupled Control Damper Actuator (Belimo LMB24-SR).....	344.59	57.87
23 09 23 00-1153 EA 90 IN-LB, 24 Volt AC/DC, 4-20mA, 2-10 Volt DC, Proportional Control, Non Spring Return Direct Coupled Control Damper Actuator (Belimo NMB24-SR).....	379.82	57.87
23 09 23 00-1154 EA 90 IN-LB, 2 Position, 24 To 240 Volt AC Spring Return Direct Coupled Control Damper Actuator (Belimo NFBUP).....	437.52	57.87
23 09 23 00-1155 EA 175 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo AMB24-SR).....	465.10	57.87
23 09 23 00-1156 EA 90 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Spring Return Direct Coupled Control Damper Actuator (Belimo NFB24-SR).....	481.46	57.87
23 09 23 00-1157 EA 360 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo GMB24-SR).....	545.80	57.87

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 09 23 00-1158	Valves With Actuator	(23 09 23 00-1033)		
23 09 23 00-1159	EA	1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G215+NV24-MFT US)	460.84	9.38
23 09 23 00-1160	EA	3/4" 2-Way Bronze Globe Valve With Actuator (Belimo G220+NV24-MFT US)	476.16	12.64
23 09 23 00-1161	EA	1" 2-Way Bronze Globe Valve With Actuator (Belimo B225+NV24-MFT US)	520.94	15.31
23 09 23 00-1162	EA	1-1/4" 2-Way Bronze Globe Valve With Actuator (Belimo B232+NV24-MFT US)	568.08	19.38
23 09 23 00-1163	EA	1-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G240+NV24-MFT US)	647.05	22.37
23 09 23 00-1164	EA	2" 2-Way Bronze Globe Valve With Actuator (Belimo G250+NV24-MFT US)	731.13	26.44
23 09 23 00-1165	EA	2-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G665+GMX24-MFTX1)	1,366.88	52.88
23 09 23 00-1166	EA	3" 2-Way Bronze Globe Valve With Actuator (Belimo G680+GMX24-MFTX1)	1,481.16	61.88
23 09 23 00-1167	EA	4" 2-Way Bronze Globe Valve With Actuator (Belimo G6100C+GMX24-MFTX1)	1,998.19	90.89
23 09 23 00-1168	EA	5" 2-Way Bronze Globe Valve With Actuator (Belimo G6125C+GMX24-MFTX1)	2,939.55	131.35
23 09 23 00-1169	EA	6" 2-Way Bronze Globe Valve With Actuator (Belimo G6150C+GMX24-MFTX1)	3,256.00	145.42
23 09 23 00-1170	EA	1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G315+NV24-MFT US)	495.21	14.07
23 09 23 00-1171	EA	3/4" 3-Way Bronze Globe Valve With Actuator (Belimo G320+NV24-MFT US)	509.83	18.97
23 09 23 00-1172	EA	1" 3-Way Bronze Globe Valve With Actuator (Belimo G325+NV24-MFT US)	552.00	22.96
23 09 23 00-1173	EA	1-1/4" 3-Way Bronze Globe Valve With Actuator (Belimo G332+NV24-MFT US)	611.40	29.08
23 09 23 00-1174	EA	1-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G340+NV24-MFT US)	785.85	33.56
23 09 23 00-1175	EA	2" 3-Way Bronze Globe Valve With Actuator (Belimo G350+NV24-MFT US)	871.42	39.66
23 09 23 00-1176	EA	2-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G765+GMX24-MFTX1)	1,537.85	79.32
23 09 23 00-1177	EA	3" 3-Way Bronze Globe Valve With Actuator (Belimo G780+GMX24-MFTX1)	1,689.59	92.82
23 09 23 00-1178	EA	4" 3-Way Bronze Globe Valve With Actuator (Belimo G7100+2"GMX24-MFTX1)	2,458.56	136.33
23 09 23 00-1179	EA	5" 3-Way Bronze Globe Valve With Actuator (Belimo G7125+2"GMX24-MFTX1)	3,566.16	197.02
23 09 23 00-1180	EA	6" 3-Way Bronze Globe Valve With Actuator (Belimo G7150+2"GMX24-MFTX1)	3,964.55	218.13
23 09 23 00-1181	EA	1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE215N-35+ZONE24NC)	100.18	9.38
23 09 23 00-1182	EA	3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE220N-50+ZONE24NC)	116.94	12.64
23 09 23 00-1183	EA	1" Two Way Brass Zone Valve With Actuator (Belimo ZONE225N-80+ZONE24NC)	147.81	15.31
23 09 23 00-1184	EA	1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE315N-35+ZONE24NC)	120.51	14.07
23 09 23 00-1185	EA	3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE320N-50+ZONE24NC)	138.91	18.97
23 09 23 00-1186	EA	1" Two Way Brass Zone Valve With Actuator (Belimo ZONE325N-80+ZONE24NC)	174.33	22.96
23 09 23 00-1187	EA	1/2" 2-Way Brass Ball Valve With Actuator (Belimo B215B+LRB24-3)	171.55	9.38
23 09 23 00-1188	EA	3/4" 2-Way Brass Ball Valve With Actuator (Belimo B220B+LRB24-3)	202.18	12.64
23 09 23 00-1189	EA	1" 2-Way Brass Ball Valve With Actuator (Belimo B225+LRB24-3)	229.27	15.31
23 09 23 00-1190	EA	1-1/4" 2-Way Brass Ball Valve With Actuator (Belimo B232+ARB24-3)	298.70	19.38
23 09 23 00-1191	EA	1-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B240+ARB24-3)	307.17	22.37
23 09 23 00-1192	EA	2" 2-Way Brass Ball Valve With Actuator (Belimo B250+ARB24-3)	392.92	26.44
23 09 23 00-1193	EA	2-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B265+ARB24-3)	847.12	52.88
23 09 23 00-1194	EA	3" 2-Way Brass Ball Valve With Actuator (Belimo B280+ARB24-3)	994.76	61.88
23 09 23 00-1195	EA	1/2" 3-Way Brass Ball Valve With Actuator (Belimo B315B+LRB24-3)	205.75	14.07
23 09 23 00-1196	EA	3/4" 3-Way Brass Ball Valve With Actuator (Belimo B320B+LRB24-3)	235.85	18.97
23 09 23 00-1197	EA	1" 3-Way Brass Ball Valve With Actuator (Belimo B325+LRB24-3)	305.59	22.96
23 09 23 00-1198	EA	1-1/4" 3-Way Brass Ball Valve With Actuator (Belimo B331+ARB24-3)	436.30	29.08
23 09 23 00-1199	EA	1-1/2" 3-Way Brass Ball Valve With Actuator (Belimo B341+ARB24-3)	457.68	33.56
23 09 23 00-1200	EA	2" 3-Way Brass Ball Valve With Actuator (Belimo B352+ARB24-3)	610.32	39.66
23 09 23 00-1201	EA	2" 2-Way Butterfly Valve With Actuator (Belimo F650HD+AMB24-3X1)	485.80	48.48
23 09 23 00-1202	EA	2-1/2" 2-Way Butterfly Valve With Actuator (Belimo F665HD+AMB24-3X1)	508.56	52.88
23 09 23 00-1203	EA	3" 2-Way Butterfly Valve With Actuator (Belimo F680HD+GMB24-3X1)	674.57	61.88
23 09 23 00-1204	EA	4" 2-Way Butterfly Valve With Actuator (Belimo F6100HD+2"GMB24-3X1)	1,022.61	103.87
23 09 23 00-1205	EA	5" 2-Way Butterfly Valve With Actuator (Belimo F6125HD+SY2-24)	2,119.76	131.35
23 09 23 00-1206	EA	6" 2-Way Butterfly Valve With Actuator (Belimo F6150HD+SY3-24)	2,231.03	145.42
23 09 23 00-1207	EA	8" 2-Way Butterfly Valve With Actuator (Belimo F6200HD+SY4-24)	3,059.69	166.20
23 09 23 00-1208	EA	10" 2-Way Butterfly Valve With Actuator (Belimo F6250HD+SY4-24)	3,754.22	203.59
23 09 23 00-1209	EA	12" 2-Way Butterfly Valve With Actuator (Belimo F6300HS+SY4-24)	4,643.49	246.77
23 09 23 00-1210	EA	14" 2-Way Butterfly Valve With Actuator (Belimo F6350HD+SY5-24)	5,146.85	290.84
23 09 23 00-1211	EA	16" 2-Way Butterfly Valve With Actuator (Belimo F6400HD+SY6-110)	6,857.74	319.93
23 09 23 00-1212	EA	18" 2-Way Butterfly Valve With Actuator (Belimo F6450HD+SY8-110)	8,336.97	355.41
23 09 23 00-1213	EA	2" 3-Way Butterfly Valve With Actuator (Belimo F750HD+AMB24-3X1)	911.00	72.71
23 09 23 00-1214	EA	2-1/2" 3-Way Butterfly Valve With Actuator (Belimo F765HD+GMB24-3X1)	1,078.16	79.32
23 09 23 00-1215	EA	3" 3-Way Butterfly Valve With Actuator (Belimo F780HD+2"GMB24-3X1)	1,335.07	92.82
23 09 23 00-1216	EA	4" 3-Way Butterfly Valve With Actuator (Belimo F7100HD+2"GMB24-3X1)	1,683.53	155.80
23 09 23 00-1217	EA	5" 3-Way Butterfly Valve With Actuator (Belimo F7125HD+SY3-24)	3,545.27	197.02
23 09 23 00-1218	EA	6" 3-Way Butterfly Valve With Actuator (Belimo F7150HD+SY3-24)	3,659.33	218.13
23 09 23 00-1219	EA	8" 3-Way Butterfly Valve With Actuator (Belimo F7200HD+SY4-24)	4,633.48	249.32
23 09 23 00-1220	EA	10" 3-Way Butterfly Valve With Actuator (Belimo F7250HD+SY4-24)	6,152.94	305.38
23 09 23 00-1221	EA	12" 3-Way Butterfly Valve With Actuator (Belimo F7300HD+SY5-24)	7,479.70	370.17
23 09 23 00-1222	EA	14" 3-Way Butterfly Valve With Actuator (Belimo F7350HD+SY6-110)	11,785.36	436.26
23 09 23 00-1223	EA	16" 3-Way Butterfly Valve With Actuator (Belimo F7400HD+SY7-110)	13,146.55	479.88
23 09 23 00-1224	EA	18" 3-Way Butterfly Valve With Actuator (Belimo F7450HD+SY8-110)	20,398.19	533.12
23 09 23 00-1225	EA	3/4" Pressure Independent Valve With LRX Series Programmable Actuator (Belimo PICCV-20+LRX24-MFT)	651.66	12.64
23 09 23 00-1226	EA	1" Pressure Independent Valve With LRX Series Programmable Actuator (Belimo PICCV-25+LRX24-MFT)	800.10	15.31
23 09 23 00-1227	EA	1-1/4" Pressure Independent Valve With ARX Series Programmable Actuators (Belimo PICCV-32+ARX24-MFT)	1,441.70	19.38
23 09 23 00-1228	EA	1-1/2" Pressure Independent Valve With ARX Series Programmable Actuators (Belimo PICCV-40+ARX24-MFT)	2,083.38	22.37
23 09 23 00-1229	EA	2" Pressure Independent Valve With ARX Series Programmable Actuators (Belimo PICCV-50+ARX24-MFT)	4,541.62	26.44

**23 09 23 00-1230 Valve Actuators (23 09 23 00-1033)**

23 09 23 00-1231	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3)	306.47	60.07
23 09 23 00-1232	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 95 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3)	312.07	60.07



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-1233	EA			24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LXR24-SR-T).....	345.14	60.07
23 09 23 00-1234	EA			24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LXR24-3-S).....	358.55	60.07
23 09 23 00-1235	EA			24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LXR24-SR).....	366.71	60.07
23 09 23 00-1236	EA			24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LXR24-MFT).....	420.34	60.07
23 09 23 00-1237	EA			24 Volt AC/DC Power Supply, On/Off Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-1).....	434.44	60.07
23 09 23 00-1238	EA			24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LXR24-MFT95).....	443.55	60.07
23 09 23 00-1239	EA			24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-MFT).....	465.52	60.07
23 09 23 00-1240	EA			120 Volt AC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LXR120-3).....	335.83	60.07
23 09 23 00-1241	EA			120 Volt AC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LXR120-SR).....	381.92	60.07
23 09 23 00-1242	EA			24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-T).....	393.77	60.07
23 09 23 00-1243	EA			24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3).....	401.96	60.07
23 09 23 00-1244	EA			24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARB24-3-5-14).....	405.02	60.07
23 09 23 00-1245	EA			24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-S).....	460.68	60.07
23 09 23 00-1246	EA			24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T).....	484.68	60.07
23 09 23 00-1247	EA			24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR).....	497.43	60.07
23 09 23 00-1248	EA			24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, Variable Run Time (90 To 350 Seconds), 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT).....	494.90	60.07
23 09 23 00-1249	EA			24 Volt AC/DC Power Supply, Phasecut Control Input, 95 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-PC).....	503.06	60.07
23 09 23 00-1250	EA			24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT95).....	502.55	60.07
23 09 23 00-1251	EA			24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, NEMA 4X, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T N4).....	555.51	60.07
23 09 23 00-1252	EA			24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, NEMA 4X, Variable Run Time (75 To 350 Seconds), 160 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT-T N4).....	689.45	60.07
23 09 23 00-1253	EA			100-240 Volt AC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-3).....	433.09	60.07
23 09 23 00-1254	EA			100-240 Volt AC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-SR).....	531.16	60.07
23 09 23 00-1255	EA			24 Volt AC/DC Power Supply, On/Off Control Input, 15 Seconds Run Time, 801 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY2-24).....	1,300.20	60.07
23 09 23 00-1256	EA			24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 1,335 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY3-24).....	1,467.69	60.07
23 09 23 00-1257	EA			24 Volt AC/DC Power Supply, On/Off Control Input, 16 Seconds Run Time, 3,560 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY4-24).....	1,777.66	60.07
23 09 23 00-1258	EA			24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 4,450 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY5-24).....	2,024.30	60.07
23 09 23 00-1259	EA			120 Volt AC Power Supply, On/Off Control Input, 28 Seconds Run Time, 5,785 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY6-110).....	2,410.87	60.07
23 09 23 00-1260	EA			120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 8,900 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY7-110).....	2,854.13	60.07
23 09 23 00-1261	EA			120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 13,350 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY8-110).....	3,873.40	60.07
23 09 23 00-1262	EA			120 Volt AC Power Supply, On/Off Control Input, 58 Seconds Run Time, 17,800 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY9-110).....	4,746.10	60.07
23 09 23 00-1263				<b>Rectangular Volume Control Dampers (Ruskin)</b> <small>(23 09 23 00-1033)</small>		
				Note: Excludes actuators.		
23 09 23 00-1264				<b>Rectangular Volume Control Dampers (Ruskin CD36)</b> <small>(23 09 23 00-1263)</small>		
23 09 23 00-1265	EA			8" x 8" Volume Control Damper (Ruskin CD36).....	94.22	26.27
23 09 23 00-1266	EA			8" x 12" Volume Control Damper (Ruskin CD36).....	100.18	26.27
23 09 23 00-1267	EA			8" x 16" Volume Control Damper (Ruskin CD36).....	107.37	26.27
23 09 23 00-1268	EA			8" x 20" Volume Control Damper (Ruskin CD36).....	141.51	35.02
23 09 23 00-1269	EA			8" x 24" Volume Control Damper (Ruskin CD36).....	152.18	35.02
23 09 23 00-1270	EA			8" x 28" Volume Control Damper (Ruskin CD36).....	158.13	35.02
23 09 23 00-1271	EA			8" x 32" Volume Control Damper (Ruskin CD36).....	173.76	35.02
23 09 23 00-1272	EA			8" x 36" Volume Control Damper (Ruskin CD36).....	206.67	43.78
23 09 23 00-1273	EA			12" x 8" Volume Control Damper (Ruskin CD36).....	100.18	26.27
23 09 23 00-1274	EA			12" x 12" Volume Control Damper (Ruskin CD36).....	103.65	26.27
23 09 23 00-1275	EA			12" x 16" Volume Control Damper (Ruskin CD36).....	128.36	35.02
23 09 23 00-1276	EA			12" x 20" Volume Control Damper (Ruskin CD36).....	144.98	35.02
23 09 23 00-1277	EA			12" x 24" Volume Control Damper (Ruskin CD36).....	173.42	43.78
23 09 23 00-1278	EA			12" x 28" Volume Control Damper (Ruskin CD36).....	179.37	43.78
23 09 23 00-1279	EA			12" x 32" Volume Control Damper (Ruskin CD36).....	194.76	43.78
23 09 23 00-1280	EA			12" x 36" Volume Control Damper (Ruskin CD36).....	227.64	52.54
23 09 23 00-1281	EA			16" x 8" Volume Control Damper (Ruskin CD36).....	107.37	26.27
23 09 23 00-1282	EA			16" x 12" Volume Control Damper (Ruskin CD36).....	133.07	35.02

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-1283	EA		16" x 16" Volume Control Damper (Ruskin CD36).....	133.32	35.02
23 09 23 00-1284	EA		16" x 20" Volume Control Damper (Ruskin CD36).....	166.22	43.78
23 09 23 00-1285	EA		16" x 24" Volume Control Damper (Ruskin CD36).....	178.13	43.78
23 09 23 00-1286	EA		16" x 28" Volume Control Damper (Ruskin CD36).....	203.82	52.54
23 09 23 00-1287	EA		16" x 32" Volume Control Damper (Ruskin CD36).....	216.97	52.54
23 09 23 00-1288	EA		16" x 36" Volume Control Damper (Ruskin CD36).....	231.36	52.54
23 09 23 00-1289	EA		20" x 8" Volume Control Damper (Ruskin CD36).....	141.51	35.02
23 09 23 00-1290	EA		20" x 12" Volume Control Damper (Ruskin CD36).....	126.12	35.02
23 09 23 00-1291	EA		20" x 16" Volume Control Damper (Ruskin CD36).....	154.31	43.78
23 09 23 00-1292	EA		20" x 20" Volume Control Damper (Ruskin CD36).....	169.70	43.78
23 09 23 00-1293	EA		20" x 24" Volume Control Damper (Ruskin CD36).....	196.87	52.54
23 09 23 00-1294	EA		20" x 28" Volume Control Damper (Ruskin CD36).....	211.02	52.54
23 09 23 00-1295	EA		20" x 32" Volume Control Damper (Ruskin CD36).....	240.69	61.29
23 09 23 00-1296	EA		20" x 36" Volume Control Damper (Ruskin CD36).....	253.59	61.29
23 09 23 00-1297	EA		24" x 8" Volume Control Damper (Ruskin CD36).....	126.12	35.02
23 09 23 00-1298	EA		24" x 12" Volume Control Damper (Ruskin CD36).....	147.12	43.78
23 09 23 00-1299	EA		24" x 16" Volume Control Damper (Ruskin CD36).....	157.79	43.78
23 09 23 00-1300	EA		24" x 20" Volume Control Damper (Ruskin CD36).....	191.91	52.54
23 09 23 00-1301	EA		24" x 24" Volume Control Damper (Ruskin CD36).....	202.83	52.54
23 09 23 00-1302	EA		24" x 28" Volume Control Damper (Ruskin CD36).....	233.25	61.29
23 09 23 00-1303	EA		24" x 32" Volume Control Damper (Ruskin CD36).....	248.88	61.29
23 09 23 00-1304	EA		24" x 36" Volume Control Damper (Ruskin CD36).....	260.79	61.29
23 09 23 00-1305	EA		28" x 8" Volume Control Damper (Ruskin CD36).....	128.36	35.02
23 09 23 00-1306	EA		28" x 12" Volume Control Damper (Ruskin CD36).....	149.60	43.78
23 09 23 00-1307	EA		28" x 16" Volume Control Damper (Ruskin CD36).....	176.53	52.54
23 09 23 00-1308	EA		28" x 20" Volume Control Damper (Ruskin CD36).....	195.63	52.54
23 09 23 00-1309	EA		28" x 24" Volume Control Damper (Ruskin CD36).....	222.58	61.29
23 09 23 00-1310	EA		28" x 28" Volume Control Damper (Ruskin CD36).....	236.97	61.29
23 09 23 00-1311	EA		28" x 32" Volume Control Damper (Ruskin CD36).....	250.12	61.29
23 09 23 00-1312	EA		28" x 36" Volume Control Damper (Ruskin CD36).....	267.99	61.29
23 09 23 00-1313	EA		32" x 8" Volume Control Damper (Ruskin CD36).....	129.60	35.02
23 09 23 00-1314	EA		32" x 12" Volume Control Damper (Ruskin CD36).....	150.59	43.78
23 09 23 00-1315	EA		32" x 16" Volume Control Damper (Ruskin CD36).....	180.00	52.54
23 09 23 00-1316	EA		32" x 20" Volume Control Damper (Ruskin CD36).....	214.39	61.29
23 09 23 00-1317	EA		32" x 24" Volume Control Damper (Ruskin CD36).....	228.54	61.29
23 09 23 00-1318	EA		32" x 28" Volume Control Damper (Ruskin CD36).....	241.69	61.29
23 09 23 00-1319	EA		32" x 32" Volume Control Damper (Ruskin CD36).....	256.08	61.29
23 09 23 00-1320	EA		32" x 36" Volume Control Damper (Ruskin CD36).....	290.21	70.05
23 09 23 00-1321	EA		36" x 8" Volume Control Damper (Ruskin CD36).....	151.83	43.78
23 09 23 00-1322	EA		36" x 12" Volume Control Damper (Ruskin CD36).....	173.05	52.54
23 09 23 00-1323	EA		36" x 16" Volume Control Damper (Ruskin CD36).....	183.72	52.54
23 09 23 00-1324	EA		36" x 20" Volume Control Damper (Ruskin CD36).....	217.87	61.29
23 09 23 00-1325	EA		36" x 24" Volume Control Damper (Ruskin CD36).....	233.25	61.29
23 09 23 00-1326	EA		36" x 28" Volume Control Damper (Ruskin CD36).....	248.88	61.29
23 09 23 00-1327	EA		36" x 32" Volume Control Damper (Ruskin CD36).....	278.30	70.05
23 09 23 00-1328	EA		36" x 36" Volume Control Damper (Ruskin CD36).....	294.92	70.05
23 09 23 00-1329	EA		36" x 40" Volume Control Damper (Ruskin CD36).....	309.31	70.05
23 09 23 00-1330	EA		36" x 44" Volume Control Damper (Ruskin CD36).....	324.70	70.05
23 09 23 00-1331	EA		36" x 48" Volume Control Damper (Ruskin CD36).....	337.85	70.05
23 09 23 00-1332	EA		36" x 52" Volume Control Damper (Ruskin CD36).....	353.23	70.05
23 09 23 00-1333	EA		36" x 56" Volume Control Damper (Ruskin CD36).....	368.86	70.05
23 09 23 00-1334	EA		36" x 60" Volume Control Damper (Ruskin CD36).....	381.76	70.05
23 09 23 00-1335	EA		36" x 64" Volume Control Damper (Ruskin CD36).....	399.63	70.05
23 09 23 00-1336	EA		36" x 68" Volume Control Damper (Ruskin CD36).....	431.53	78.81
23 09 23 00-1337	EA		36" x 72" Volume Control Damper (Ruskin CD36).....	457.83	78.81
23 09 23 00-1338	EA		36" x 76" Volume Control Damper (Ruskin CD36).....	538.22	78.81
23 09 23 00-1339	EA		36" x 80" Volume Control Damper (Ruskin CD36).....	538.22	78.81
23 09 23 00-1340	EA		36" x 84" Volume Control Damper (Ruskin CD36).....	572.95	78.81
23 09 23 00-1341	EA		40" x 40" Volume Control Damper (Ruskin CD36).....	315.27	70.05
23 09 23 00-1342	EA		40" x 44" Volume Control Damper (Ruskin CD36).....	330.65	70.05
23 09 23 00-1343	EA		40" x 48" Volume Control Damper (Ruskin CD36).....	346.04	70.05
23 09 23 00-1344	EA		40" x 52" Volume Control Damper (Ruskin CD36).....	362.91	70.05
23 09 23 00-1345	EA		40" x 56" Volume Control Damper (Ruskin CD36).....	377.05	70.05
23 09 23 00-1346	EA		40" x 60" Volume Control Damper (Ruskin CD36).....	407.71	78.81
23 09 23 00-1347	EA		40" x 64" Volume Control Damper (Ruskin CD36).....	425.57	78.81
23 09 23 00-1348	EA		40" x 68" Volume Control Damper (Ruskin CD36).....	442.20	78.81
23 09 23 00-1349	EA		40" x 72" Volume Control Damper (Ruskin CD36).....	467.26	78.81
23 09 23 00-1350	EA		40" x 76" Volume Control Damper (Ruskin CD36).....	551.62	78.81
23 09 23 00-1351	EA		40" x 80" Volume Control Damper (Ruskin CD36).....	551.62	78.81
23 09 23 00-1352	EA		40" x 84" Volume Control Damper (Ruskin CD36).....	586.35	78.81
23 09 23 00-1353	EA		44" x 40" Volume Control Damper (Ruskin CD36).....	322.22	70.05
23 09 23 00-1354	EA		44" x 44" Volume Control Damper (Ruskin CD36).....	337.85	70.05
23 09 23 00-1355	EA		44" x 48" Volume Control Damper (Ruskin CD36).....	353.23	70.05
23 09 23 00-1356	EA		44" x 52" Volume Control Damper (Ruskin CD36).....	369.85	70.05
23 09 23 00-1357	EA		44" x 56" Volume Control Damper (Ruskin CD36).....	401.76	78.81
23 09 23 00-1358	EA		44" x 60" Volume Control Damper (Ruskin CD36).....	418.38	78.81
23 09 23 00-1359	EA		44" x 64" Volume Control Damper (Ruskin CD36).....	434.01	78.81
23 09 23 00-1360	EA		44" x 68" Volume Control Damper (Ruskin CD36).....	452.87	78.81
23 09 23 00-1361	EA		44" x 72" Volume Control Damper (Ruskin CD36).....	477.93	78.81
23 09 23 00-1362	EA		44" x 76" Volume Control Damper (Ruskin CD36).....	567.50	78.81
23 09 23 00-1363	EA		44" x 80" Volume Control Damper (Ruskin CD36).....	567.50	78.81



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-1364	EA			44" x 84" Volume Control Damper (Ruskin CD36).....	619.99	87.57
23 09 23 00-1365	EA			40" x 40" Volume Control Damper (Ruskin CD36).....	315.27	70.05
23 09 23 00-1366	EA			40" x 44" Volume Control Damper (Ruskin CD36).....	330.65	70.05
23 09 23 00-1367	EA			40" x 48" Volume Control Damper (Ruskin CD36).....	346.04	70.05
23 09 23 00-1368	EA			40" x 52" Volume Control Damper (Ruskin CD36).....	362.91	70.05
23 09 23 00-1369	EA			40" x 56" Volume Control Damper (Ruskin CD36).....	377.05	70.05
23 09 23 00-1370	EA			40" x 60" Volume Control Damper (Ruskin CD36).....	407.71	78.81
23 09 23 00-1371	EA			40" x 64" Volume Control Damper (Ruskin CD36).....	425.57	78.81
23 09 23 00-1372	EA			40" x 68" Volume Control Damper (Ruskin CD36).....	442.20	78.81
23 09 23 00-1373	EA			40" x 72" Volume Control Damper (Ruskin CD36).....	467.26	78.81
23 09 23 00-1374	EA			40" x 76" Volume Control Damper (Ruskin CD36).....	551.62	78.81
23 09 23 00-1375	EA			40" x 80" Volume Control Damper (Ruskin CD36).....	551.62	78.81
23 09 23 00-1376	EA			40" x 84" Volume Control Damper (Ruskin CD36).....	586.35	78.81
23 09 23 00-1377	EA			44" x 40" Volume Control Damper (Ruskin CD36).....	322.22	70.05
23 09 23 00-1378	EA			44" x 44" Volume Control Damper (Ruskin CD36).....	337.85	70.05
23 09 23 00-1379	EA			44" x 48" Volume Control Damper (Ruskin CD36).....	353.23	70.05
23 09 23 00-1380	EA			44" x 52" Volume Control Damper (Ruskin CD36).....	369.85	70.05
23 09 23 00-1381	EA			44" x 56" Volume Control Damper (Ruskin CD36).....	401.76	78.81
23 09 23 00-1382	EA			44" x 60" Volume Control Damper (Ruskin CD36).....	418.38	78.81
23 09 23 00-1383	EA			44" x 64" Volume Control Damper (Ruskin CD36).....	434.01	78.81
23 09 23 00-1384	EA			44" x 68" Volume Control Damper (Ruskin CD36).....	452.87	78.81
23 09 23 00-1385	EA			44" x 72" Volume Control Damper (Ruskin CD36).....	477.93	78.81
23 09 23 00-1386	EA			44" x 76" Volume Control Damper (Ruskin CD36).....	567.50	78.81
23 09 23 00-1387	EA			44" x 80" Volume Control Damper (Ruskin CD36).....	567.50	78.81
23 09 23 00-1388	EA			44" x 84" Volume Control Damper (Ruskin CD36).....	619.99	87.57
23 09 23 00-1389	EA			48" x 40" Volume Control Damper (Ruskin CD36).....	329.41	70.05
23 09 23 00-1390	EA			48" x 44" Volume Control Damper (Ruskin CD36).....	345.04	70.05
23 09 23 00-1391	EA			48" x 48" Volume Control Damper (Ruskin CD36).....	361.67	70.05
23 09 23 00-1392	EA			48" x 52" Volume Control Damper (Ruskin CD36).....	395.80	78.81
23 09 23 00-1393	EA			48" x 56" Volume Control Damper (Ruskin CD36).....	411.18	78.81
23 09 23 00-1394	EA			48" x 60" Volume Control Damper (Ruskin CD36).....	425.57	78.81
23 09 23 00-1395	EA			48" x 64" Volume Control Damper (Ruskin CD36).....	443.44	78.81
23 09 23 00-1396	EA			48" x 68" Volume Control Damper (Ruskin CD36).....	461.30	78.81
23 09 23 00-1397	EA			48" x 72" Volume Control Damper (Ruskin CD36).....	489.84	78.81
23 09 23 00-1398	EA			48" x 76" Volume Control Damper (Ruskin CD36).....	601.13	87.57
23 09 23 00-1399	EA			48" x 80" Volume Control Damper (Ruskin CD36).....	601.13	87.57
23 09 23 00-1400	EA			48" x 84" Volume Control Damper (Ruskin CD36).....	636.12	87.57
23 09 23 00-1401	EA			52" x 40" Volume Control Damper (Ruskin CD36).....	497.39	70.05
23 09 23 00-1402	EA			52" x 44" Volume Control Damper (Ruskin CD36).....	521.20	70.05
23 09 23 00-1403	EA			52" x 48" Volume Control Damper (Ruskin CD36).....	575.68	78.81
23 09 23 00-1404	EA			52" x 52" Volume Control Damper (Ruskin CD36).....	608.93	78.81
23 09 23 00-1405	EA			52" x 56" Volume Control Damper (Ruskin CD36).....	632.75	78.81
23 09 23 00-1406	EA			52" x 60" Volume Control Damper (Ruskin CD36).....	660.29	78.81
23 09 23 00-1407	EA			52" x 64" Volume Control Damper (Ruskin CD36).....	696.02	78.81
23 09 23 00-1408	EA			52" x 68" Volume Control Damper (Ruskin CD36).....	733.98	78.81
23 09 23 00-1409	EA			52" x 72" Volume Control Damper (Ruskin CD36).....	796.90	87.57
23 09 23 00-1410	EA			52" x 76" Volume Control Damper (Ruskin CD36).....	882.50	87.57
23 09 23 00-1411	EA			52" x 80" Volume Control Damper (Ruskin CD36).....	882.74	87.57
23 09 23 00-1412	EA			52" x 84" Volume Control Damper (Ruskin CD36).....	936.09	87.57
23 09 23 00-1413	EA			56" x 40" Volume Control Damper (Ruskin CD36).....	502.10	70.05
23 09 23 00-1414	EA			56" x 44" Volume Control Damper (Ruskin CD36).....	547.15	78.81
23 09 23 00-1415	EA			56" x 48" Volume Control Damper (Ruskin CD36).....	582.88	78.81
23 09 23 00-1416	EA			56" x 52" Volume Control Damper (Ruskin CD36).....	612.65	78.81
23 09 23 00-1417	EA			56" x 56" Volume Control Damper (Ruskin CD36).....	639.95	78.81
23 09 23 00-1418	EA			56" x 60" Volume Control Damper (Ruskin CD36).....	670.96	78.81
23 09 23 00-1419	EA			56" x 64" Volume Control Damper (Ruskin CD36).....	705.45	78.81
23 09 23 00-1420	EA			56" x 68" Volume Control Damper (Ruskin CD36).....	765.88	87.57
23 09 23 00-1421	EA			56" x 72" Volume Control Damper (Ruskin CD36).....	813.52	87.57
23 09 23 00-1422	EA			56" x 76" Volume Control Damper (Ruskin CD36).....	882.50	87.57
23 09 23 00-1423	EA			56" x 80" Volume Control Damper (Ruskin CD36).....	882.50	87.57
23 09 23 00-1424	EA			56" x 84" Volume Control Damper (Ruskin CD36).....	936.09	87.57
23 09 23 00-1425	EA			60" x 40" Volume Control Damper (Ruskin CD36).....	526.81	78.81
23 09 23 00-1426	EA			60" x 44" Volume Control Damper (Ruskin CD36).....	557.82	78.81
23 09 23 00-1427	EA			60" x 48" Volume Control Damper (Ruskin CD36).....	592.31	78.81
23 09 23 00-1428	EA			60" x 52" Volume Control Damper (Ruskin CD36).....	623.32	78.81
23 09 23 00-1429	EA			60" x 56" Volume Control Damper (Ruskin CD36).....	656.57	78.81
23 09 23 00-1430	EA			60" x 60" Volume Control Damper (Ruskin CD36).....	681.63	78.81
23 09 23 00-1431	EA			60" x 64" Volume Control Damper (Ruskin CD36).....	733.63	87.57
23 09 23 00-1432	EA			60" x 68" Volume Control Damper (Ruskin CD36).....	775.31	87.57
23 09 23 00-1433	EA			60" x 72" Volume Control Damper (Ruskin CD36).....	830.14	87.57
23 09 23 00-1434	EA			60" x 76" Volume Control Damper (Ruskin CD36).....	909.29	87.57
23 09 23 00-1435	EA			60" x 80" Volume Control Damper (Ruskin CD36).....	909.29	87.57
23 09 23 00-1436	EA			60" x 84" Volume Control Damper (Ruskin CD36).....	979.01	87.57
23 09 23 00-1437	EA			64" x 40" Volume Control Damper (Ruskin CD36).....	534.00	78.81
23 09 23 00-1438	EA			64" x 44" Volume Control Damper (Ruskin CD36).....	568.49	78.81
23 09 23 00-1439	EA			64" x 48" Volume Control Damper (Ruskin CD36).....	601.74	78.81
23 09 23 00-1440	EA			64" x 52" Volume Control Damper (Ruskin CD36).....	631.51	78.81
23 09 23 00-1441	EA			64" x 56" Volume Control Damper (Ruskin CD36).....	665.01	78.81
23 09 23 00-1442	EA			64" x 60" Volume Control Damper (Ruskin CD36).....	709.81	87.57
23 09 23 00-1443	EA			64" x 64" Volume Control Damper (Ruskin CD36).....	743.30	87.57
23 09 23 00-1444	EA			64" x 68" Volume Control Damper (Ruskin CD36).....	783.75	87.57

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 09 23 00-1445	EA	64" x 72" Volume Control Damper (Ruskin CD36).....	846.77	87.57
23 09 23 00-1446	EA	64" x 76" Volume Control Damper (Ruskin CD36).....	909.29	87.57
23 09 23 00-1447	EA	64" x 80" Volume Control Damper (Ruskin CD36).....	909.29	87.57
23 09 23 00-1448	EA	64" x 84" Volume Control Damper (Ruskin CD36).....	996.53	96.31
23 09 23 00-1449	EA	66" x 40" Volume Control Damper (Ruskin CD36).....	539.96	78.81
23 09 23 00-1450	EA	66" x 44" Volume Control Damper (Ruskin CD36).....	575.68	78.81
23 09 23 00-1451	EA	66" x 48" Volume Control Damper (Ruskin CD36).....	607.69	78.81
23 09 23 00-1452	EA	66" x 52" Volume Control Damper (Ruskin CD36).....	639.95	78.81
23 09 23 00-1453	EA	66" x 56" Volume Control Damper (Ruskin CD36).....	691.94	87.57
23 09 23 00-1454	EA	66" x 60" Volume Control Damper (Ruskin CD36).....	720.48	87.57
23 09 23 00-1455	EA	66" x 64" Volume Control Damper (Ruskin CD36).....	757.45	87.57
23 09 23 00-1456	EA	66" x 68" Volume Control Damper (Ruskin CD36).....	794.42	87.57
23 09 23 00-1457	EA	66" x 72" Volume Control Damper (Ruskin CD36).....	856.44	87.57
23 09 23 00-1458	EA	66" x 76" Volume Control Damper (Ruskin CD36).....	936.09	87.57
23 09 23 00-1459	EA	66" x 80" Volume Control Damper (Ruskin CD36).....	953.61	96.31
23 09 23 00-1460	EA	66" x 84" Volume Control Damper (Ruskin CD36).....	1,023.33	96.31
23 09 23 00-1461	EA	72" x 40" Volume Control Damper (Ruskin CD36).....	546.90	78.81
23 09 23 00-1462	EA	72" x 44" Volume Control Damper (Ruskin CD36).....	582.88	78.81
23 09 23 00-1463	EA	72" x 48" Volume Control Damper (Ruskin CD36).....	612.65	78.81
23 09 23 00-1464	EA	72" x 52" Volume Control Damper (Ruskin CD36).....	665.89	87.57
23 09 23 00-1465	EA	72" x 56" Volume Control Damper (Ruskin CD36).....	701.62	87.57
23 09 23 00-1466	EA	72" x 60" Volume Control Damper (Ruskin CD36).....	731.39	87.57
23 09 23 00-1467	EA	72" x 64" Volume Control Damper (Ruskin CD36).....	773.08	87.57
23 09 23 00-1468	EA	72" x 68" Volume Control Damper (Ruskin CD36).....	805.08	87.57
23 09 23 00-1469	EA	72" x 72" Volume Control Damper (Ruskin CD36).....	865.87	87.57
23 09 23 00-1470	EA	72" x 76" Volume Control Damper (Ruskin CD36).....	953.61	96.31
23 09 23 00-1471	EA	72" x 80" Volume Control Damper (Ruskin CD36).....	953.61	96.31
23 09 23 00-1472	EA	72" x 84" Volume Control Damper (Ruskin CD36).....	1,023.33	96.31
23 09 23 00-1473	EA	76" x 40" Volume Control Damper (Ruskin CD36).....	554.10	78.81
23 09 23 00-1474	EA	76" x 44" Volume Control Damper (Ruskin CD36).....	588.83	78.81
23 09 23 00-1475	EA	76" x 48" Volume Control Damper (Ruskin CD36).....	639.59	87.57
23 09 23 00-1476	EA	76" x 52" Volume Control Damper (Ruskin CD36).....	675.32	87.57
23 09 23 00-1477	EA	76" x 56" Volume Control Damper (Ruskin CD36).....	711.05	87.57
23 09 23 00-1478	EA	76" x 60" Volume Control Damper (Ruskin CD36).....	740.82	87.57
23 09 23 00-1479	EA	76" x 64" Volume Control Damper (Ruskin CD36).....	782.51	87.57
23 09 23 00-1480	EA	76" x 68" Volume Control Damper (Ruskin CD36).....	822.95	87.57
23 09 23 00-1481	EA	76" x 72" Volume Control Damper (Ruskin CD36).....	894.06	96.31
23 09 23 00-1482	EA	76" x 76" Volume Control Damper (Ruskin CD36).....	980.41	96.31
23 09 23 00-1483	EA	76" x 80" Volume Control Damper (Ruskin CD36).....	980.41	96.31
23 09 23 00-1484	EA	76" x 84" Volume Control Damper (Ruskin CD36).....	1,050.13	96.31
23 09 23 00-1485	EA	80" x 40" Volume Control Damper (Ruskin CD36).....	561.29	78.81
23 09 23 00-1486	EA	80" x 44" Volume Control Damper (Ruskin CD36).....	595.78	78.81
23 09 23 00-1487	EA	80" x 48" Volume Control Damper (Ruskin CD36).....	649.02	87.57
23 09 23 00-1488	EA	80" x 52" Volume Control Damper (Ruskin CD36).....	688.47	87.57
23 09 23 00-1489	EA	80" x 56" Volume Control Damper (Ruskin CD36).....	720.48	87.57
23 09 23 00-1490	EA	80" x 60" Volume Control Damper (Ruskin CD36).....	750.25	87.57
23 09 23 00-1491	EA	80" x 64" Volume Control Damper (Ruskin CD36).....	791.93	87.57
23 09 23 00-1492	EA	80" x 68" Volume Control Damper (Ruskin CD36).....	847.66	96.31
23 09 23 00-1493	EA	80" x 72" Volume Control Damper (Ruskin CD36).....	904.73	96.31
23 09 23 00-1494	EA	80" x 76" Volume Control Damper (Ruskin CD36).....	980.41	96.31
23 09 23 00-1495	EA	80" x 80" Volume Control Damper (Ruskin CD36).....	980.41	96.31
23 09 23 00-1496	EA	80" x 84" Volume Control Damper (Ruskin CD36).....	1,050.13	96.31
23 09 23 00-1497	EA	84" x 40" Volume Control Damper (Ruskin CD36).....	566.01	78.81
23 09 23 00-1498	EA	84" x 44" Volume Control Damper (Ruskin CD36).....	619.25	87.57
23 09 23 00-1499	EA	84" x 48" Volume Control Damper (Ruskin CD36).....	658.70	87.57
23 09 23 00-1500	EA	84" x 52" Volume Control Damper (Ruskin CD36).....	701.62	87.57
23 09 23 00-1501	EA	84" x 56" Volume Control Damper (Ruskin CD36).....	727.67	87.57
23 09 23 00-1502	EA	84" x 60" Volume Control Damper (Ruskin CD36).....	759.93	87.57
23 09 23 00-1503	EA	84" x 64" Volume Control Damper (Ruskin CD36).....	819.13	96.31
23 09 23 00-1504	EA	84" x 68" Volume Control Damper (Ruskin CD36).....	860.81	96.31
23 09 23 00-1505	EA	84" x 72" Volume Control Damper (Ruskin CD36).....	915.65	96.31
23 09 23 00-1506	EA	84" x 76" Volume Control Damper (Ruskin CD36).....	1,012.66	96.31
23 09 23 00-1507	EA	84" x 80" Volume Control Damper (Ruskin CD36).....	1,012.66	96.31
23 09 23 00-1508	EA	84" x 84" Volume Control Damper (Ruskin CD36).....	1,082.38	96.31

**23 09 23 00-1509 Low Leakage Rectangular Volume Control Dampers (Ruskin CD50) (23 09 23 00-**

23 09 23 00-1510	EA	8" x 8" Low Leakage Volume Control Damper (Ruskin CD50).....	153.30	26.27
23 09 23 00-1511	EA	8" x 12" Low Leakage Volume Control Damper (Ruskin CD50).....	188.93	26.27
23 09 23 00-1512	EA	8" x 16" Low Leakage Volume Control Damper (Ruskin CD50).....	213.51	26.27
23 09 23 00-1513	EA	8" x 20" Low Leakage Volume Control Damper (Ruskin CD50).....	234.70	35.02
23 09 23 00-1514	EA	8" x 24" Low Leakage Volume Control Damper (Ruskin CD50).....	260.51	35.02
23 09 23 00-1515	EA	8" x 28" Low Leakage Volume Control Damper (Ruskin CD50).....	283.85	35.02
23 09 23 00-1516	EA	8" x 32" Low Leakage Volume Control Damper (Ruskin CD50).....	287.54	35.02
23 09 23 00-1517	EA	8" x 36" Low Leakage Volume Control Damper (Ruskin CD50).....	329.64	43.78
23 09 23 00-1518	EA	12" x 8" Low Leakage Volume Control Damper (Ruskin CD50).....	153.30	26.27
23 09 23 00-1519	EA	12" x 12" Low Leakage Volume Control Damper (Ruskin CD50).....	188.93	26.27
23 09 23 00-1520	EA	12" x 16" Low Leakage Volume Control Damper (Ruskin CD50).....	231.02	35.02
23 09 23 00-1521	EA	12" x 20" Low Leakage Volume Control Damper (Ruskin CD50).....	234.70	35.02
23 09 23 00-1522	EA	12" x 24" Low Leakage Volume Control Damper (Ruskin CD50).....	278.03	43.78
23 09 23 00-1523	EA	12" x 28" Low Leakage Volume Control Damper (Ruskin CD50).....	301.37	43.78



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-1524	EA	12" x 32"	Low Leakage Volume Control Damper (Ruskin CD50)	305.06	43.78
23 09 23 00-1525	EA	12" x 36"	Low Leakage Volume Control Damper (Ruskin CD50)	347.14	52.54
23 09 23 00-1526	EA	16" x 8"	Low Leakage Volume Control Damper (Ruskin CD50)	158.21	26.27
23 09 23 00-1527	EA	16" x 12"	Low Leakage Volume Control Damper (Ruskin CD50)	215.04	35.02
23 09 23 00-1528	EA	16" x 16"	Low Leakage Volume Control Damper (Ruskin CD50)	243.31	35.02
23 09 23 00-1529	EA	16" x 20"	Low Leakage Volume Control Damper (Ruskin CD50)	263.28	43.78
23 09 23 00-1530	EA	16" x 24"	Low Leakage Volume Control Damper (Ruskin CD50)	291.54	43.78
23 09 23 00-1531	EA	16" x 28"	Low Leakage Volume Control Damper (Ruskin CD50)	333.62	52.54
23 09 23 00-1532	EA	16" x 32"	Low Leakage Volume Control Damper (Ruskin CD50)	337.31	52.54
23 09 23 00-1533	EA	16" x 36"	Low Leakage Volume Control Damper (Ruskin CD50)	368.02	52.54
23 09 23 00-1534	EA	20" x 8"	Low Leakage Volume Control Damper (Ruskin CD50)	185.55	35.02
23 09 23 00-1535	EA	20" x 12"	Low Leakage Volume Control Damper (Ruskin CD50)	231.02	35.02
23 09 23 00-1536	EA	20" x 16"	Low Leakage Volume Control Damper (Ruskin CD50)	278.03	43.78
23 09 23 00-1537	EA	20" x 20"	Low Leakage Volume Control Damper (Ruskin CD50)	281.71	43.78
23 09 23 00-1538	EA	20" x 24"	Low Leakage Volume Control Damper (Ruskin CD50)	323.79	52.54
23 09 23 00-1539	EA	20" x 28"	Low Leakage Volume Control Damper (Ruskin CD50)	355.74	52.54
23 09 23 00-1540	EA	20" x 32"	Low Leakage Volume Control Damper (Ruskin CD50)	381.86	61.29
23 09 23 00-1541	EA	20" x 36"	Low Leakage Volume Control Damper (Ruskin CD50)	406.43	61.29
23 09 23 00-1542	EA	24" x 8"	Low Leakage Volume Control Damper (Ruskin CD50)	195.38	35.02
23 09 23 00-1543	EA	24" x 12"	Low Leakage Volume Control Damper (Ruskin CD50)	258.37	43.78
23 09 23 00-1544	EA	24" x 16"	Low Leakage Volume Control Damper (Ruskin CD50)	287.86	43.78
23 09 23 00-1545	EA	24" x 20"	Low Leakage Volume Control Damper (Ruskin CD50)	310.27	52.54
23 09 23 00-1546	EA	24" x 24"	Low Leakage Volume Control Damper (Ruskin CD50)	343.45	52.54
23 09 23 00-1547	EA	24" x 28"	Low Leakage Volume Control Damper (Ruskin CD50)	391.69	61.29
23 09 23 00-1548	EA	24" x 32"	Low Leakage Volume Control Damper (Ruskin CD50)	397.83	61.29
23 09 23 00-1549	EA	24" x 36"	Low Leakage Volume Control Damper (Ruskin CD50)	428.55	61.29
23 09 23 00-1550	EA	28" x 8"	Low Leakage Volume Control Damper (Ruskin CD50)	200.30	35.02
23 09 23 00-1551	EA	28" x 12"	Low Leakage Volume Control Damper (Ruskin CD50)	266.97	43.78
23 09 23 00-1552	EA	28" x 16"	Low Leakage Volume Control Damper (Ruskin CD50)	316.42	52.54
23 09 23 00-1553	EA	28" x 20"	Low Leakage Volume Control Damper (Ruskin CD50)	322.56	52.54
23 09 23 00-1554	EA	28" x 24"	Low Leakage Volume Control Damper (Ruskin CD50)	375.71	61.29
23 09 23 00-1555	EA	28" x 28"	Low Leakage Volume Control Damper (Ruskin CD50)	407.66	61.29
23 09 23 00-1556	EA	28" x 32"	Low Leakage Volume Control Damper (Ruskin CD50)	410.12	61.29
23 09 23 00-1557	EA	28" x 36"	Low Leakage Volume Control Damper (Ruskin CD50)	449.44	61.29
23 09 23 00-1558	EA	32" x 8"	Low Leakage Volume Control Damper (Ruskin CD50)	211.36	35.02
23 09 23 00-1559	EA	32" x 12"	Low Leakage Volume Control Damper (Ruskin CD50)	280.49	43.78
23 09 23 00-1560	EA	32" x 16"	Low Leakage Volume Control Damper (Ruskin CD50)	337.31	52.54
23 09 23 00-1561	EA	32" x 20"	Low Leakage Volume Control Damper (Ruskin CD50)	358.51	61.29
23 09 23 00-1562	EA	32" x 24"	Low Leakage Volume Control Damper (Ruskin CD50)	397.83	61.29
23 09 23 00-1563	EA	32" x 28"	Low Leakage Volume Control Damper (Ruskin CD50)	427.32	61.29
23 09 23 00-1564	EA	32" x 32"	Low Leakage Volume Control Damper (Ruskin CD50)	434.69	61.29
23 09 23 00-1565	EA	32" x 36"	Low Leakage Volume Control Damper (Ruskin CD50)	487.84	70.05
23 09 23 00-1566	EA	36" x 8"	Low Leakage Volume Control Damper (Ruskin CD50)	239.94	43.78
23 09 23 00-1567	EA	36" x 12"	Low Leakage Volume Control Damper (Ruskin CD50)	309.04	52.54
23 09 23 00-1568	EA	36" x 16"	Low Leakage Volume Control Damper (Ruskin CD50)	347.14	52.54
23 09 23 00-1569	EA	36" x 20"	Low Leakage Volume Control Damper (Ruskin CD50)	368.34	61.29
23 09 23 00-1570	EA	36" x 24"	Low Leakage Volume Control Damper (Ruskin CD50)	410.12	61.29
23 09 23 00-1571	EA	36" x 28"	Low Leakage Volume Control Damper (Ruskin CD50)	450.67	61.29
23 09 23 00-1572	EA	36" x 32"	Low Leakage Volume Control Damper (Ruskin CD50)	470.64	70.05
23 09 23 00-1573	EA	36" x 36"	Low Leakage Volume Control Damper (Ruskin CD50)	511.19	70.05
23 09 23 00-1574	EA	36" x 40"	Low Leakage Volume Control Damper (Ruskin CD50)	546.82	70.05
23 09 23 00-1575	EA	36" x 44"	Low Leakage Volume Control Damper (Ruskin CD50)	555.42	70.05
23 09 23 00-1576	EA	36" x 48"	Low Leakage Volume Control Damper (Ruskin CD50)	597.20	70.05
23 09 23 00-1577	EA	36" x 52"	Low Leakage Volume Control Damper (Ruskin CD50)	635.29	70.05
23 09 23 00-1578	EA	36" x 56"	Low Leakage Volume Control Damper (Ruskin CD50)	643.89	70.05
23 09 23 00-1579	EA	36" x 60"	Low Leakage Volume Control Damper (Ruskin CD50)	679.53	70.05
23 09 23 00-1580	EA	36" x 64"	Low Leakage Volume Control Damper (Ruskin CD50)	716.39	70.05
23 09 23 00-1581	EA	36" x 68"	Low Leakage Volume Control Damper (Ruskin CD50)	741.27	78.81
23 09 23 00-1582	EA	36" x 72"	Low Leakage Volume Control Damper (Ruskin CD50)	779.36	78.81
23 09 23 00-1583	EA	36" x 76"	Low Leakage Volume Control Damper (Ruskin CD50)	1,052.45	78.81
23 09 23 00-1584	EA	36" x 80"	Low Leakage Volume Control Damper (Ruskin CD50)	1,052.45	78.81
23 09 23 00-1585	EA	36" x 84"	Low Leakage Volume Control Damper (Ruskin CD50)	1,071.19	78.81
23 09 23 00-1586	EA	40" x 40"	Low Leakage Volume Control Damper (Ruskin CD50)	572.62	70.05
23 09 23 00-1587	EA	40" x 44"	Low Leakage Volume Control Damper (Ruskin CD50)	580.00	70.05
23 09 23 00-1588	EA	40" x 48"	Low Leakage Volume Control Damper (Ruskin CD50)	620.55	70.05
23 09 23 00-1589	EA	40" x 52"	Low Leakage Volume Control Damper (Ruskin CD50)	664.78	70.05
23 09 23 00-1590	EA	40" x 56"	Low Leakage Volume Control Damper (Ruskin CD50)	668.47	70.05
23 09 23 00-1591	EA	40" x 60"	Low Leakage Volume Control Damper (Ruskin CD50)	726.53	78.81
23 09 23 00-1592	EA	40" x 64"	Low Leakage Volume Control Damper (Ruskin CD50)	768.30	78.81
23 09 23 00-1593	EA	40" x 68"	Low Leakage Volume Control Damper (Ruskin CD50)	779.36	78.81
23 09 23 00-1594	EA	40" x 72"	Low Leakage Volume Control Damper (Ruskin CD50)	821.14	78.81
23 09 23 00-1595	EA	40" x 76"	Low Leakage Volume Control Damper (Ruskin CD50)	1,109.28	78.81
23 09 23 00-1596	EA	40" x 80"	Low Leakage Volume Control Damper (Ruskin CD50)	1,109.28	78.81
23 09 23 00-1597	EA	40" x 84"	Low Leakage Volume Control Damper (Ruskin CD50)	1,125.26	78.81
23 09 23 00-1598	EA	44" x 40"	Low Leakage Volume Control Damper (Ruskin CD50)	593.51	70.05
23 09 23 00-1599	EA	44" x 44"	Low Leakage Volume Control Damper (Ruskin CD50)	604.57	70.05
23 09 23 00-1600	EA	44" x 48"	Low Leakage Volume Control Damper (Ruskin CD50)	646.35	70.05
23 09 23 00-1601	EA	44" x 52"	Low Leakage Volume Control Damper (Ruskin CD50)	695.50	70.05
23 09 23 00-1602	EA	44" x 56"	Low Leakage Volume Control Damper (Ruskin CD50)	716.70	78.81
23 09 23 00-1603	EA	44" x 60"	Low Leakage Volume Control Damper (Ruskin CD50)	758.47	78.81
23 09 23 00-1604	EA	44" x 64"	Low Leakage Volume Control Damper (Ruskin CD50)	805.17	78.81



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-1605	EA		44" x 68" Low Leakage Volume Control Damper (Ruskin CD50).....	816.23	78.81
23 09 23 00-1606	EA		44" x 72" Low Leakage Volume Control Damper (Ruskin CD50).....	856.77	78.81
23 09 23 00-1607	EA		44" x 76" Low Leakage Volume Control Damper (Ruskin CD50).....	1,155.06	78.81
23 09 23 00-1608	EA		44" x 80" Low Leakage Volume Control Damper (Ruskin CD50).....	1,155.06	78.81
23 09 23 00-1609	EA		44" x 84" Low Leakage Volume Control Damper (Ruskin CD50).....	1,196.83	87.57
23 09 23 00-1610	EA		40" x 40" Low Leakage Volume Control Damper (Ruskin CD50).....	572.62	70.05
23 09 23 00-1611	EA		40" x 44" Low Leakage Volume Control Damper (Ruskin CD50).....	580.00	70.05
23 09 23 00-1612	EA		40" x 48" Low Leakage Volume Control Damper (Ruskin CD50).....	620.55	70.05
23 09 23 00-1613	EA		40" x 52" Low Leakage Volume Control Damper (Ruskin CD50).....	664.78	70.05
23 09 23 00-1614	EA		40" x 56" Low Leakage Volume Control Damper (Ruskin CD50).....	668.47	70.05
23 09 23 00-1615	EA		40" x 60" Low Leakage Volume Control Damper (Ruskin CD50).....	726.53	78.81
23 09 23 00-1616	EA		40" x 64" Low Leakage Volume Control Damper (Ruskin CD50).....	768.30	78.81
23 09 23 00-1617	EA		40" x 68" Low Leakage Volume Control Damper (Ruskin CD50).....	779.36	78.81
23 09 23 00-1618	EA		40" x 72" Low Leakage Volume Control Damper (Ruskin CD50).....	821.14	78.81
23 09 23 00-1619	EA		40" x 76" Low Leakage Volume Control Damper (Ruskin CD50).....	1,109.28	78.81
23 09 23 00-1620	EA		40" x 80" Low Leakage Volume Control Damper (Ruskin CD50).....	1,109.28	78.81
23 09 23 00-1621	EA		40" x 84" Low Leakage Volume Control Damper (Ruskin CD50).....	1,125.26	78.81
23 09 23 00-1622	EA		44" x 40" Low Leakage Volume Control Damper (Ruskin CD50).....	593.51	70.05
23 09 23 00-1623	EA		44" x 44" Low Leakage Volume Control Damper (Ruskin CD50).....	604.57	70.05
23 09 23 00-1624	EA		44" x 48" Low Leakage Volume Control Damper (Ruskin CD50).....	620.55	70.05
23 09 23 00-1625	EA		44" x 52" Low Leakage Volume Control Damper (Ruskin CD50).....	664.78	70.05
23 09 23 00-1626	EA		44" x 56" Low Leakage Volume Control Damper (Ruskin CD50).....	716.70	78.81
23 09 23 00-1627	EA		44" x 60" Low Leakage Volume Control Damper (Ruskin CD50).....	758.47	78.81
23 09 23 00-1628	EA		44" x 64" Low Leakage Volume Control Damper (Ruskin CD50).....	805.17	78.81
23 09 23 00-1629	EA		44" x 68" Low Leakage Volume Control Damper (Ruskin CD50).....	816.23	78.81
23 09 23 00-1630	EA		44" x 72" Low Leakage Volume Control Damper (Ruskin CD50).....	856.77	78.81
23 09 23 00-1631	EA		44" x 76" Low Leakage Volume Control Damper (Ruskin CD50).....	1,155.06	78.81
23 09 23 00-1632	EA		44" x 80" Low Leakage Volume Control Damper (Ruskin CD50).....	1,155.06	78.81
23 09 23 00-1633	EA		44" x 84" Low Leakage Volume Control Damper (Ruskin CD50).....	1,196.83	87.57
23 09 23 00-1634	EA		48" x 40" Low Leakage Volume Control Damper (Ruskin CD50).....	616.86	70.05
23 09 23 00-1635	EA		48" x 44" Low Leakage Volume Control Damper (Ruskin CD50).....	626.69	70.05
23 09 23 00-1636	EA		48" x 48" Low Leakage Volume Control Damper (Ruskin CD50).....	674.61	70.05
23 09 23 00-1637	EA		48" x 52" Low Leakage Volume Control Damper (Ruskin CD50).....	741.27	78.81
23 09 23 00-1638	EA		48" x 56" Low Leakage Volume Control Damper (Ruskin CD50).....	751.10	78.81
23 09 23 00-1639	EA		48" x 60" Low Leakage Volume Control Damper (Ruskin CD50).....	791.65	78.81
23 09 23 00-1640	EA		48" x 64" Low Leakage Volume Control Damper (Ruskin CD50).....	838.34	78.81
23 09 23 00-1641	EA		48" x 68" Low Leakage Volume Control Damper (Ruskin CD50).....	846.94	78.81
23 09 23 00-1642	EA		48" x 72" Low Leakage Volume Control Damper (Ruskin CD50).....	892.41	78.81
23 09 23 00-1643	EA		48" x 76" Low Leakage Volume Control Damper (Ruskin CD50).....	1,223.87	87.57
23 09 23 00-1644	EA		48" x 80" Low Leakage Volume Control Damper (Ruskin CD50).....	1,223.87	87.57
23 09 23 00-1645	EA		48" x 84" Low Leakage Volume Control Damper (Ruskin CD50).....	1,245.68	87.57
23 09 23 00-1646	EA		52" x 40" Low Leakage Volume Control Damper (Ruskin CD50).....	690.58	70.05
23 09 23 00-1647	EA		52" x 44" Low Leakage Volume Control Damper (Ruskin CD50).....	700.41	70.05
23 09 23 00-1648	EA		52" x 48" Low Leakage Volume Control Damper (Ruskin CD50).....	770.76	78.81
23 09 23 00-1649	EA		52" x 52" Low Leakage Volume Control Damper (Ruskin CD50).....	829.74	78.81
23 09 23 00-1650	EA		52" x 56" Low Leakage Volume Control Damper (Ruskin CD50).....	839.57	78.81
23 09 23 00-1651	EA		52" x 60" Low Leakage Volume Control Damper (Ruskin CD50).....	886.26	78.81
23 09 23 00-1652	EA		52" x 64" Low Leakage Volume Control Damper (Ruskin CD50).....	936.64	78.81
23 09 23 00-1653	EA		52" x 68" Low Leakage Volume Control Damper (Ruskin CD50).....	956.30	78.81
23 09 23 00-1654	EA		52" x 72" Low Leakage Volume Control Damper (Ruskin CD50).....	1,036.48	87.57
23 09 23 00-1655	EA		52" x 76" Low Leakage Volume Control Damper (Ruskin CD50).....	1,743.02	87.57
23 09 23 00-1656	EA		52" x 80" Low Leakage Volume Control Damper (Ruskin CD50).....	1,743.02	87.57
23 09 23 00-1657	EA		52" x 84" Low Leakage Volume Control Damper (Ruskin CD50).....	1,807.83	87.57
23 09 23 00-1658	EA		56" x 40" Low Leakage Volume Control Damper (Ruskin CD50).....	716.39	70.05
23 09 23 00-1659	EA		56" x 44" Low Leakage Volume Control Damper (Ruskin CD50).....	746.19	78.81
23 09 23 00-1660	EA		56" x 48" Low Leakage Volume Control Damper (Ruskin CD50).....	799.02	78.81
23 09 23 00-1661	EA		56" x 52" Low Leakage Volume Control Damper (Ruskin CD50).....	866.60	78.81
23 09 23 00-1662	EA		56" x 56" Low Leakage Volume Control Damper (Ruskin CD50).....	877.66	78.81
23 09 23 00-1663	EA		56" x 60" Low Leakage Volume Control Damper (Ruskin CD50).....	928.04	78.81
23 09 23 00-1664	EA		56" x 64" Low Leakage Volume Control Damper (Ruskin CD50).....	980.88	78.81
23 09 23 00-1665	EA		56" x 68" Low Leakage Volume Control Damper (Ruskin CD50).....	1,016.82	87.57
23 09 23 00-1666	EA		56" x 72" Low Leakage Volume Control Damper (Ruskin CD50).....	1,068.43	87.57
23 09 23 00-1667	EA		56" x 76" Low Leakage Volume Control Damper (Ruskin CD50).....	1,743.02	87.57
23 09 23 00-1668	EA		56" x 80" Low Leakage Volume Control Damper (Ruskin CD50).....	1,743.02	87.57
23 09 23 00-1669	EA		56" x 84" Low Leakage Volume Control Damper (Ruskin CD50).....	1,807.83	87.57
23 09 23 00-1670	EA		60" x 40" Low Leakage Volume Control Damper (Ruskin CD50).....	760.93	78.81
23 09 23 00-1671	EA		60" x 44" Low Leakage Volume Control Damper (Ruskin CD50).....	770.76	78.81
23 09 23 00-1672	EA		60" x 48" Low Leakage Volume Control Damper (Ruskin CD50).....	833.43	78.81
23 09 23 00-1673	EA		60" x 52" Low Leakage Volume Control Damper (Ruskin CD50).....	896.09	78.81
23 09 23 00-1674	EA		60" x 56" Low Leakage Volume Control Damper (Ruskin CD50).....	908.38	78.81
23 09 23 00-1675	EA		60" x 60" Low Leakage Volume Control Damper (Ruskin CD50).....	961.22	78.81
23 09 23 00-1676	EA		60" x 64" Low Leakage Volume Control Damper (Ruskin CD50).....	1,036.48	87.57
23 09 23 00-1677	EA		60" x 68" Low Leakage Volume Control Damper (Ruskin CD50).....	1,048.77	87.57
23 09 23 00-1678	EA		60" x 72" Low Leakage Volume Control Damper (Ruskin CD50).....	1,111.44	87.57
23 09 23 00-1679	EA		60" x 76" Low Leakage Volume Control Damper (Ruskin CD50).....	1,878.18	87.57
23 09 23 00-1680	EA		60" x 80" Low Leakage Volume Control Damper (Ruskin CD50).....	1,878.18	87.57
23 09 23 00-1681	EA		60" x 84" Low Leakage Volume Control Damper (Ruskin CD50).....	1,899.68	87.57
23 09 23 00-1682	EA		64" x 40" Low Leakage Volume Control Damper (Ruskin CD50).....	1,010.37	78.81
23 09 23 00-1683	EA		64" x 44" Low Leakage Volume Control Damper (Ruskin CD50).....	1,021.43	78.81
23 09 23 00-1684	EA		64" x 48" Low Leakage Volume Control Damper (Ruskin CD50).....	1,120.96	78.81
23 09 23 00-1685	EA		64" x 52" Low Leakage Volume Control Damper (Ruskin CD50).....	1,184.85	78.81



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-1686 EA 64" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,206.97	78.81
23 09 23 00-1687 EA 64" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,295.75	87.57
23 09 23 00-1688 EA 64" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,374.39	87.57
23 09 23 00-1689 EA 64" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,394.05	87.57
23 09 23 00-1690 EA 64" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,459.17	87.57
23 09 23 00-1691 EA 64" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	1,878.18	87.57
23 09 23 00-1692 EA 64" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	1,878.18	87.57
23 09 23 00-1693 EA 64" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	1,917.20	96.31
23 09 23 00-1694 EA 66" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,033.72	78.81
23 09 23 00-1695 EA 66" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,046.00	78.81
23 09 23 00-1696 EA 66" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,140.62	78.81
23 09 23 00-1697 EA 66" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,216.80	78.81
23 09 23 00-1698 EA 66" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,252.74	87.57
23 09 23 00-1699 EA 66" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,327.70	87.57
23 09 23 00-1700 EA 66" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,408.80	87.57
23 09 23 00-1701 EA 66" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,427.23	87.57
23 09 23 00-1702 EA 66" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,509.55	87.57
23 09 23 00-1703 EA 66" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	1,964.81	87.57
23 09 23 00-1704 EA 66" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	1,982.33	96.31
23 09 23 00-1705 EA 66" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,020.11	96.31
23 09 23 00-1706 EA 72" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,054.60	78.81
23 09 23 00-1707 EA 72" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,070.58	78.81
23 09 23 00-1708 EA 72" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,162.74	78.81
23 09 23 00-1709 EA 72" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,265.03	87.57
23 09 23 00-1710 EA 72" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,282.23	87.57
23 09 23 00-1711 EA 72" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,360.87	87.57
23 09 23 00-1712 EA 72" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,443.20	87.57
23 09 23 00-1713 EA 72" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,459.17	87.57
23 09 23 00-1714 EA 72" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,545.19	87.57
23 09 23 00-1715 EA 72" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	1,982.33	96.31
23 09 23 00-1716 EA 72" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	1,982.33	96.31
23 09 23 00-1717 EA 72" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,020.11	96.31
23 09 23 00-1718 EA 76" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,080.41	78.81
23 09 23 00-1719 EA 76" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,097.61	78.81
23 09 23 00-1720 EA 76" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,207.28	87.57
23 09 23 00-1721 EA 76" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,296.98	87.57
23 09 23 00-1722 EA 76" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,308.04	87.57
23 09 23 00-1723 EA 76" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,394.05	87.57
23 09 23 00-1724 EA 76" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,481.29	87.57
23 09 23 00-1725 EA 76" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,502.18	87.57
23 09 23 00-1726 EA 76" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,606.94	96.31
23 09 23 00-1727 EA 76" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,095.68	96.31
23 09 23 00-1728 EA 76" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,095.68	96.31
23 09 23 00-1729 EA 76" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,128.24	96.31
23 09 23 00-1730 EA 80" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,108.67	78.81
23 09 23 00-1731 EA 80" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,124.64	78.81
23 09 23 00-1732 EA 80" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,233.08	87.57
23 09 23 00-1733 EA 80" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,327.70	87.57
23 09 23 00-1734 EA 80" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,336.30	87.57
23 09 23 00-1735 EA 80" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,427.23	87.57
23 09 23 00-1736 EA 80" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,519.38	87.57
23 09 23 00-1737 EA 80" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,562.71	96.31
23 09 23 00-1738 EA 80" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,652.41	96.31
23 09 23 00-1739 EA 80" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,095.68	96.31
23 09 23 00-1740 EA 80" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,095.68	96.31
23 09 23 00-1741 EA 80" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,128.24	96.31
23 09 23 00-1742 EA 84" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,132.02	78.81
23 09 23 00-1743 EA 84" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,160.59	87.57
23 09 23 00-1744 EA 84" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,253.97	87.57
23 09 23 00-1745 EA 84" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,359.64	87.57
23 09 23 00-1746 EA 84" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,364.56	87.57
23 09 23 00-1747 EA 84" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,450.57	87.57
23 09 23 00-1748 EA 84" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,566.39	96.31
23 09 23 00-1749 EA 84" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,593.43	96.31
23 09 23 00-1750 EA 84" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,684.35	96.31
23 09 23 00-1751 EA 84" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,187.53	96.31
23 09 23 00-1752 EA 84" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,187.53	96.31
23 09 23 00-1753 EA 84" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,236.38	96.31

**23 09 23 00-1754 Rectangular Volume Control Dampers (TAMCO) (23 09 23 00-1033)**

Note: Excludes actuators.

**23 09 23 00-1755 Air-Foil Control Damper (TAMCO Series 1000) (23 09 23 00-1754)**

23 09 23 00-1756 EA 12" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	130.14	26.27
23 09 23 00-1757 EA 12" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	156.64	35.02
23 09 23 00-1758 EA 12" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	165.65	35.02
23 09 23 00-1759 EA 12" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	202.28	43.78
23 09 23 00-1760 EA 12" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	207.76	43.78
23 09 23 00-1761 EA 12" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	213.23	43.78
23 09 23 00-1762 EA 12" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	239.70	52.54
23 09 23 00-1763 EA 16" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	148.74	35.02

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-1764 EA 16" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	149.83	35.02
23 09 23 00-1765 EA 16" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	187.30	43.78
23 09 23 00-1766 EA 16" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	207.24	43.78
23 09 23 00-1767 EA 16" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	232.58	52.54
23 09 23 00-1768 EA 16" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	250.79	52.54
23 09 23 00-1769 EA 16" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	269.01	52.54
23 09 23 00-1770 EA 20" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	168.41	35.02
23 09 23 00-1771 EA 20" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	187.30	43.78
23 09 23 00-1772 EA 20" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	201.42	43.78
23 09 23 00-1773 EA 20" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	241.68	52.54
23 09 23 00-1774 EA 20" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	264.45	52.54
23 09 23 00-1775 EA 20" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	304.74	61.29
23 09 23 00-1776 EA 20" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	327.51	61.29
23 09 23 00-1777 EA 24" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	169.54	43.78
23 09 23 00-1778 EA 24" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	198.86	43.78
23 09 23 00-1779 EA 24" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	233.49	52.54
23 09 23 00-1780 EA 24" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	259.17	52.54
23 09 23 00-1781 EA 24" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	302.37	61.29
23 09 23 00-1782 EA 24" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	328.06	61.29
23 09 23 00-1783 EA 24" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	353.74	61.29
23 09 23 00-1784 EA 28" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	186.46	43.78
23 09 23 00-1785 EA 28" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	230.92	52.54
23 09 23 00-1786 EA 28" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	254.88	52.54
23 09 23 00-1787 EA 28" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	302.37	61.29
23 09 23 00-1788 EA 28" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	332.34	61.29
23 09 23 00-1789 EA 28" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	362.30	61.29
23 09 23 00-1790 EA 28" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	392.26	61.29
23 09 23 00-1791 EA 32" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	200.84	43.78
23 09 23 00-1792 EA 32" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	249.23	52.54
23 09 23 00-1793 EA 32" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	294.22	61.29
23 09 23 00-1794 EA 32" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	328.54	61.29
23 09 23 00-1795 EA 32" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	362.86	61.29
23 09 23 00-1796 EA 32" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	397.19	61.29
23 09 23 00-1797 EA 32" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	449.03	70.05
23 09 23 00-1798 EA 36" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	220.92	52.54
23 09 23 00-1799 EA 36" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	259.53	52.54
23 09 23 00-1800 EA 36" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	315.67	61.29
23 09 23 00-1801 EA 36" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	337.53	61.29
23 09 23 00-1802 EA 36" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	373.35	61.29
23 09 23 00-1803 EA 36" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	426.68	70.05
23 09 23 00-1804 EA 36" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000).....	462.51	70.05

**23 09 23 00-1805 Ultra Low Leakage, Air-Foil Control Damper (TAMCO Series 1500)** (23 09 23 00-1754)

23 09 23 00-1806 EA 12" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....	133.41	26.27
23 09 23 00-1807 EA 12" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....	160.28	35.02
23 09 23 00-1808 EA 12" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....	169.65	35.02
23 09 23 00-1809 EA 12" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....	207.08	43.78
23 09 23 00-1810 EA 12" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....	212.74	43.78
23 09 23 00-1811 EA 12" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....	218.39	43.78
23 09 23 00-1812 EA 12" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....	245.23	52.54
23 09 23 00-1813 EA 16" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....	152.02	35.02
23 09 23 00-1814 EA 16" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....	153.11	35.02
23 09 23 00-1815 EA 16" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....	191.40	43.78
23 09 23 00-1816 EA 16" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....	212.16	43.78
23 09 23 00-1817 EA 16" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....	237.67	52.54
23 09 23 00-1818 EA 16" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....	256.62	52.54
23 09 23 00-1819 EA 16" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....	275.56	52.54
23 09 23 00-1820 EA 20" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....	172.51	35.02
23 09 23 00-1821 EA 20" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....	191.40	43.78
23 09 23 00-1822 EA 20" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....	205.96	43.78
23 09 23 00-1823 EA 20" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....	247.15	52.54
23 09 23 00-1824 EA 20" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....	270.83	52.54
23 09 23 00-1825 EA 20" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....	312.02	61.29
23 09 23 00-1826 EA 20" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....	335.71	61.29
23 09 23 00-1827 EA 24" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....	172.82	43.78
23 09 23 00-1828 EA 24" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....	201.23	43.78
23 09 23 00-1829 EA 24" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....	239.86	52.54
23 09 23 00-1830 EA 24" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....	266.82	52.54
23 09 23 00-1831 EA 24" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....	311.30	61.29
23 09 23 00-1832 EA 24" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....	338.25	61.29
23 09 23 00-1833 EA 24" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....	365.21	61.29
23 09 23 00-1834 EA 28" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....	191.36	43.78
23 09 23 00-1835 EA 28" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....	237.17	52.54
23 09 23 00-1836 EA 28" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....	262.33	52.54
23 09 23 00-1837 EA 28" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....	311.30	61.29
23 09 23 00-1838 EA 28" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....	342.74	61.29
23 09 23 00-1839 EA 28" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....	374.20	61.29
23 09 23 00-1840 EA 28" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....	405.65	61.29
23 09 23 00-1841 EA 32" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....	206.18	43.78
23 09 23 00-1842 EA 32" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....	256.03	52.54



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 09 23 00-1843	EA	32" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....		302.31	61.29
23 09 23 00-1844	EA	32" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....		338.25	61.29
23 09 23 00-1845	EA	32" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....		374.20	61.29
23 09 23 00-1846	EA	32" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....		410.14	61.29
23 09 23 00-1847	EA	32" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....		463.60	70.05
23 09 23 00-1848	EA	36" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....		226.38	52.54
23 09 23 00-1849	EA	36" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....		266.82	52.54
23 09 23 00-1850	EA	36" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....		324.78	61.29
23 09 23 00-1851	EA	36" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....		365.21	61.29
23 09 23 00-1852	EA	36" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....		405.65	61.29
23 09 23 00-1853	EA	36" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....		463.60	70.05
23 09 23 00-1854	EA	36" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500).....		504.04	70.05
<b>23 09 23 00-1855 Thermally Insulated Damper (TAMCO Series 9000) (23 09 23 00-1754)</b>					
23 09 23 00-1856	EA	12" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		155.27	26.27
23 09 23 00-1857	EA	12" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		184.53	35.02
23 09 23 00-1858	EA	12" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		196.28	35.02
23 09 23 00-1859	EA	12" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		239.05	43.78
23 09 23 00-1860	EA	12" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		245.93	43.78
23 09 23 00-1861	EA	12" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		252.82	43.78
23 09 23 00-1862	EA	12" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		282.12	52.54
23 09 23 00-1863	EA	16" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		173.88	35.02
23 09 23 00-1864	EA	16" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		174.97	35.02
23 09 23 00-1865	EA	16" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		218.72	43.78
23 09 23 00-1866	EA	16" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		244.95	43.78
23 09 23 00-1867	EA	16" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		271.67	52.54
23 09 23 00-1868	EA	16" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		295.47	52.54
23 09 23 00-1869	EA	16" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		319.28	52.54
23 09 23 00-1870	EA	20" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		199.83	35.02
23 09 23 00-1871	EA	20" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		218.72	43.78
23 09 23 00-1872	EA	20" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		236.32	43.78
23 09 23 00-1873	EA	20" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		283.57	52.54
23 09 23 00-1874	EA	20" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		313.33	52.54
23 09 23 00-1875	EA	20" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		360.60	61.29
23 09 23 00-1876	EA	20" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		390.35	61.29
23 09 23 00-1877	EA	24" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		194.67	43.78
23 09 23 00-1878	EA	24" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		230.38	43.78
23 09 23 00-1879	EA	24" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		276.29	52.54
23 09 23 00-1880	EA	24" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		310.54	52.54
23 09 23 00-1881	EA	24" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		362.30	61.29
23 09 23 00-1882	EA	24" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		396.55	61.29
23 09 23 00-1883	EA	24" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		430.79	61.29
23 09 23 00-1884	EA	28" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		219.41	43.78
23 09 23 00-1885	EA	28" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		272.86	52.54
23 09 23 00-1886	EA	28" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		304.83	52.54
23 09 23 00-1887	EA	28" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		362.30	61.29
23 09 23 00-1888	EA	28" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		402.25	61.29
23 09 23 00-1889	EA	28" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		442.20	61.29
23 09 23 00-1890	EA	28" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		482.15	61.29
23 09 23 00-1891	EA	32" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		238.25	43.78
23 09 23 00-1892	EA	32" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		296.84	52.54
23 09 23 00-1893	EA	32" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		350.89	61.29
23 09 23 00-1894	EA	32" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		396.55	61.29
23 09 23 00-1895	EA	32" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		442.20	61.29
23 09 23 00-1896	EA	32" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		487.86	61.29
23 09 23 00-1897	EA	32" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		551.03	70.05
23 09 23 00-1898	EA	36" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		259.17	52.54
23 09 23 00-1899	EA	36" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		310.54	52.54
23 09 23 00-1900	EA	36" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		379.42	61.29
23 09 23 00-1901	EA	36" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		430.06	61.29
23 09 23 00-1902	EA	36" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		481.30	61.29
23 09 23 00-1903	EA	36" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		550.06	70.05
23 09 23 00-1904	EA	36" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000).....		601.30	70.05
<b>23 09 23 00-1905 Thermally Broken Frame Damper (TAMCO Series 9000 BF) (23 09 23 00-1754)</b>					
23 09 23 00-1906	EA	12" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....		173.85	26.27
23 09 23 00-1907	EA	12" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....		205.14	35.02
23 09 23 00-1908	EA	12" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....		218.92	35.02
23 09 23 00-1909	EA	12" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....		266.22	43.78
23 09 23 00-1910	EA	12" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....		274.15	43.78
23 09 23 00-1911	EA	12" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....		282.08	43.78
23 09 23 00-1912	EA	12" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....		313.48	52.54
23 09 23 00-1913	EA	16" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....		192.45	35.02
23 09 23 00-1914	EA	16" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....		193.55	35.02
23 09 23 00-1915	EA	16" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....		241.94	43.78
23 09 23 00-1916	EA	16" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....		272.82	43.78
23 09 23 00-1917	EA	16" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....		300.58	52.54
23 09 23 00-1918	EA	16" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....		328.50	52.54
23 09 23 00-1919	EA	16" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....		356.44	52.54

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-1920 EA 20" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	223.06	35.02
23 09 23 00-1921 EA 20" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	241.94	43.78
23 09 23 00-1922 EA 20" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	262.13	43.78
23 09 23 00-1923 EA 20" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	314.55	52.54
23 09 23 00-1924 EA 20" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	349.45	52.54
23 09 23 00-1925 EA 20" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	401.89	61.29
23 09 23 00-1926 EA 20" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	436.80	61.29
23 09 23 00-1927 EA 24" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	213.25	43.78
23 09 23 00-1928 EA 24" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	255.14	43.78
23 09 23 00-1929 EA 24" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	298.15	52.54
23 09 23 00-1930 EA 24" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	336.76	52.54
23 09 23 00-1931 EA 24" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	392.90	61.29
23 09 23 00-1932 EA 24" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	431.52	61.29
23 09 23 00-1933 EA 24" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	470.13	61.29
23 09 23 00-1934 EA 28" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	236.24	43.78
23 09 23 00-1935 EA 28" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	294.28	52.54
23 09 23 00-1936 EA 28" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	330.33	52.54
23 09 23 00-1937 EA 28" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	392.90	61.29
23 09 23 00-1938 EA 28" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	437.96	61.29
23 09 23 00-1939 EA 28" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	483.01	61.29
23 09 23 00-1940 EA 28" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	528.06	61.29
23 09 23 00-1941 EA 32" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	257.48	43.78
23 09 23 00-1942 EA 32" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	321.32	52.54
23 09 23 00-1943 EA 32" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	380.03	61.29
23 09 23 00-1944 EA 32" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	431.52	61.29
23 09 23 00-1945 EA 32" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	483.01	61.29
23 09 23 00-1946 EA 32" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	534.49	61.29
23 09 23 00-1947 EA 32" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	603.49	70.05
23 09 23 00-1948 EA 36" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	278.84	52.54
23 09 23 00-1949 EA 36" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	336.76	52.54
23 09 23 00-1950 EA 36" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	412.21	61.29
23 09 23 00-1951 EA 36" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	469.40	61.29
23 09 23 00-1952 EA 36" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	527.20	61.29
23 09 23 00-1953 EA 36" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	602.52	70.05
23 09 23 00-1954 EA 36" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF).....	660.32	70.05
<b>23 09 23 00-1955 Rectangular Galvanized Volume Control Dampers (23 09 23 00-1033)</b>		
Note: Excludes actuators.		
23 09 23 00-1956 EA 8" x 8" Low Leakage Volume Control Damper (Johnson Controls VOPSN-008X008).....	119.09	21.72
23 09 23 00-1957 EA 10" x 10" Low Leakage Volume Control Damper (Johnson Controls VOPSN-010X010).....	134.34	23.82
23 09 23 00-1958 EA 12" x 12" Low Leakage Volume Control Damper (Johnson Controls VOPSN-012X012).....	150.27	26.27
23 09 23 00-1959 EA 14" x 14" Low Leakage Volume Control Damper (Johnson Controls VOPSN-014X014).....	173.66	30.82
23 09 23 00-1960 EA 16" x 16" Low Leakage Volume Control Damper (Johnson Controls VOPSN-016X016).....	196.37	35.02
23 09 23 00-1961 EA 18" x 18" Low Leakage Volume Control Damper (Johnson Controls VOPSN-018X018).....	197.98	39.40
23 09 23 00-1962 EA 20" x 20" Low Leakage Volume Control Damper (Johnson Controls VOPSN-020X020).....	243.70	43.78
23 09 23 00-1963 EA 24" x 24" Low Leakage Volume Control Damper (Johnson Controls VOPSN-024X024).....	290.99	52.54
23 09 23 00-1964 EA 32" x 32" Low Leakage Volume Control Damper (Johnson Controls VOPSN-032X032).....	374.65	61.29
23 09 23 00-1965 EA 48" x 48" Low Leakage Volume Control Damper (Johnson Controls VOPSN-048X048).....	559.60	70.05
23 09 23 00-1966 EA 60" x 60" Low Leakage Volume Control Damper (Johnson Controls VOPSN-060X060).....	1,034.15	78.81
23 09 23 00-1967 EA 72" x 72" Low Leakage Volume Control Damper (Johnson Controls VOPSN-072X072).....	1,315.64	87.57
<b>23 09 23 00-1968 Round Galvanized Control Dampers (23 09 23 00-1033)</b>		
Note: Excludes actuators.		
23 09 23 00-1969 EA 6" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG06).....	115.17	24.52
23 09 23 00-1970 EA 8" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG08).....	118.74	26.27
23 09 23 00-1971 EA 10" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG10).....	124.04	26.27
23 09 23 00-1972 EA 12" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG12).....	137.61	29.77
23 09 23 00-1973 EA 14" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG14).....	157.27	29.77
23 09 23 00-1974 EA 16" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG16).....	170.16	35.02
23 09 23 00-1975 EA 18" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG18).....	228.77	36.87
23 09 23 00-1976 EA 20" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG20).....	239.24	38.21
23 09 23 00-1977 EA 22" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG22).....	253.75	41.19
23 09 23 00-1978 EA 24" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG24).....	268.56	44.18
<b>23 09 23 00-1979 Remote Damper Control (23 09 23 00-1033)</b>		
23 09 23 00-1980 EA Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-301B).....	168.99	
For Each 10' Flexible Casing And Wire, Add		23.20
23 09 23 00-1981 EA Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-275B).....	164.24	
For Each 10' Flexible Casing And Wire, Add		23.20
<b>23 09 23 00-1982 Peco Thermostats and Sensors (23 09 23 00-1033)</b>		
23 09 23 00-1983 EA 3 Heating Stage, 2 Cooling Stage Programmable Thermostat With Humidification/Dehumidification Control (Peco T12532-IAQ).....	232.88	11.03
23 09 23 00-1984 EA 3 Heating Stage, 2 Cooling Stage Programmable Thermostat (Peco T12532-001).....	208.05	11.03
23 09 23 00-1985 EA Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SA200-001).....	111.06	16.54
23 09 23 00-1986 EA Wall/Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SB200-001).....	108.89	16.54
23 09 23 00-1987 EA Wall/Ceiling Passive Infrared, 24 Volt, Master Motion Sensor (Peco SD200-001).....	145.20	16.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-1988 EA Wall/Ceiling Mount, Passive Infrared, 24 Volt, Master Time Sensor (Peco SD200-002) .....	129.18	16.54
23 09 23 00-1989 EA Door Switch Occupancy Sensor (Peco SE200-001) .....	41.13	16.54
23 09 23 00-1990 EA Window Switch Occupancy Sensor (Peco SE200-002) .....	38.15	16.54
23 09 23 00-1991 EA Power Pack And Controller (Peco SF200-001) .....	68.85	16.54
<b>23 09 23 00-1992 Rotork IQ Electric Valve Actuators</b> <small>(23 09 23 00-1033)</small>		
<b>23 09 23 00-1993 Rotork IQ2 Electric Valve Actuators</b> <small>(23 09 23 00-1992)</small>		
<small>Note: 3 Phase, A, B1/B4, Z, or Z3 coupling designation. See CSI section 23 09 23 00-2047 for actuator mounting, 23 09 23 00-2052 for gearboxes, 23 09 23 00-2095 for gearboxes mounting.</small>		
<b>23 09 23 00-1994 WT Enclosure</b> <small>(23 09 23 00-1993)</small>		
23 09 23 00-1995 EA Rotork IQ10 Electric Valve Actuator, WT Enclosure .....	5,579.44	218.13
23 09 23 00-1996 EA Rotork IQ12 Electric Valve Actuator, WT Enclosure .....	5,816.33	218.13
23 09 23 00-1997 EA Rotork IQ18 Electric Valve Actuator, WT Enclosure .....	6,304.42	218.13
23 09 23 00-1998 EA Rotork IQ20 Electric Valve Actuator, WT Enclosure .....	7,909.76	218.13
23 09 23 00-1999 EA Rotork IQ25 Electric Valve Actuator, WT Enclosure .....	8,133.42	218.13
23 09 23 00-2000 EA Rotork IQ35 Electric Valve Actuator, WT Enclosure .....	8,963.18	260.16
23 09 23 00-2001 EA Rotork IQ40 Electric Valve Actuator, WT Enclosure .....	10,970.78	390.24
23 09 23 00-2002 EA Rotork IQ70 Electric Valve Actuator, WT Enclosure .....	13,540.52	390.24
23 09 23 00-2003 EA Rotork IQ90 Electric Valve Actuator, WT Enclosure .....	14,874.10	390.24
23 09 23 00-2004 EA Rotork IQ91 Electric Valve Actuator, WT Enclosure .....	21,654.99	585.36
23 09 23 00-2005 EA Rotork IQ95 Electric Valve Actuator, WT Enclosure .....	17,562.88	585.36
<b>23 09 23 00-2006 FM Enclosure</b> <small>(23 09 23 00-1993)</small>		
23 09 23 00-2007 EA Rotork IQ10 Electric Valve Actuator, FM Enclosure .....	6,026.76	218.13
23 09 23 00-2008 EA Rotork IQ12 Electric Valve Actuator, FM Enclosure .....	6,280.49	218.13
23 09 23 00-2009 EA Rotork IQ18 Electric Valve Actuator, FM Enclosure .....	6,792.33	218.13
23 09 23 00-2010 EA Rotork IQ20 Electric Valve Actuator, FM Enclosure .....	8,533.55	218.13
23 09 23 00-2011 EA Rotork IQ25 Electric Valve Actuator, FM Enclosure .....	8,770.44	218.13
23 09 23 00-2012 EA Rotork IQ35 Electric Valve Actuator, FM Enclosure .....	9,706.32	260.16
23 09 23 00-2013 EA Rotork IQ40 Electric Valve Actuator, FM Enclosure .....	11,938.79	390.24
23 09 23 00-2014 EA Rotork IQ70 Electric Valve Actuator, FM Enclosure .....	14,687.71	390.24
23 09 23 00-2015 EA Rotork IQ90 Electric Valve Actuator, FM Enclosure .....	16,097.04	390.24
23 09 23 00-2016 EA Rotork IQ91 Electric Valve Actuator, FM Enclosure .....	23,312.04	585.36
23 09 23 00-2017 EA Rotork IQ95 Electric Valve Actuator, FM Enclosure .....	18,972.22	585.36
<b>23 09 23 00-2018 Rotork IQM And M Range Syncroset Electric Valve Actuators</b> <small>(23 09 23 00-1992)</small>		
<small>Note: 3 Phase, A, B4, Z, or Z3 coupling designation. See CSI section 23 09 23 00-2047 for actuator mounting, 23 09 23 00-2052 for gearboxes, 23 09 23 00-2095 for gearboxes mounting.</small>		
<b>23 09 23 00-2019 WT Enclosure</b> <small>(23 09 23 00-2018)</small>		
23 09 23 00-2020 EA Rotork IQM10 Electric Valve Actuator, WT Enclosure .....	7,122.24	218.13
23 09 23 00-2021 EA Rotork IQM12 Electric Valve Actuator, WT Enclosure .....	7,294.08	218.13
23 09 23 00-2022 EA Rotork IQM20 Electric Valve Actuator, WT Enclosure .....	8,306.58	218.13
23 09 23 00-2023 EA Rotork IQM25 Electric Valve Actuator, WT Enclosure .....	8,412.40	218.13
23 09 23 00-2024 EA Rotork IQM35 Electric Valve Actuator, WT Enclosure .....	9,749.61	260.16
<b>23 09 23 00-2025 FM Enclosure</b> <small>(23 09 23 00-2018)</small>		
23 09 23 00-2026 EA Rotork IQM10 Electric Valve Actuator, FM Enclosure .....	8,137.15	218.13
23 09 23 00-2027 EA Rotork IQM12 Electric Valve Actuator, FM Enclosure .....	8,313.49	218.13
23 09 23 00-2028 EA Rotork IQM20 Electric Valve Actuator, FM Enclosure .....	9,416.18	218.13
23 09 23 00-2029 EA Rotork IQM25 Electric Valve Actuator, FM Enclosure .....	9,505.17	218.13
23 09 23 00-2030 EA Rotork IQM35 Electric Valve Actuator, FM Enclosure .....	11,059.14	260.16
<b>23 09 23 00-2031 Rotork IQT Electric Valve Actuators</b> <small>(23 09 23 00-1992)</small>		
<small>Note: 3 Phase, A, B4, Z, or Z3 coupling designation. See CSI section 23 09 23 00-2047 for actuator mounting, 23 09 23 00-2052 for gearboxes, 23 09 23 00-2095 for gearboxes mounting.</small>		
<b>23 09 23 00-2032 WT Enclosure</b> <small>(23 09 23 00-2031)</small>		
23 09 23 00-2033 EA Rotork IQT125 Electric Valve Actuator, WT Enclosure .....	5,061.16	218.13
23 09 23 00-2034 EA Rotork IQT250 Electric Valve Actuator, WT Enclosure .....	5,163.37	218.13
23 09 23 00-2035 EA Rotork IQT500 Electric Valve Actuator, WT Enclosure .....	5,306.47	218.13
23 09 23 00-2036 EA Rotork IQT1000 Electric Valve Actuator, WT Enclosure .....	6,110.94	218.13
23 09 23 00-2037 EA Rotork IQT2000 Electric Valve Actuator, WT Enclosure .....	6,522.20	218.13
<b>23 09 23 00-2038 FM Enclosure</b> <small>(23 09 23 00-2031)</small>		
23 09 23 00-2039 EA Rotork IQT125 Electric Valve Actuator, FM Enclosure .....	5,514.50	218.13
23 09 23 00-2040 EA Rotork IQT250 Electric Valve Actuator, FM Enclosure .....	5,400.26	218.13
23 09 23 00-2041 EA Rotork IQT500 Electric Valve Actuator, FM Enclosure .....	5,761.01	218.13
23 09 23 00-2042 EA Rotork IQT1000 Electric Valve Actuator, FM Enclosure .....	6,564.28	218.13
23 09 23 00-2043 EA Rotork IQT2000 Electric Valve Actuator, FM Enclosure .....	7,151.10	218.13

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 09 23 00-2044</b>	<b>Rotork Q Range Basic Actuators</b> (23 09 23 00-1992)	
See CSI section 23 09 23 00-2047 for actuator mounting, 23 09 23 00-2052 for gearboxes, 23 09 23 00-2095 for gearboxes mounting.		
23 09 23 00-2045 EA Rotork Q100 Standard Actuator.....	980.04	
23 09 23 00-2046 EA Rotork Q300 Standard Actuator.....	1,443.00	
<b>23 09 23 00-2047</b>	<b>Rotork Actuator Mounting Kits</b> (23 09 23 00-1992)	
Note: Mounting of Rotork actuators to valves, dampers or other equipment, including machining of actuator output device.		
23 09 23 00-2048 EA Mounting Kit For Rotork Actuators (Up To IQ 18) Or Exeeco Gearboxes (Up To IW6 Or IB6) To Valves, Dampers And Other Equipment.....	583.21	
23 09 23 00-2049 EA Mounting Kit For Rotork Actuators (IQ 20-25) Or Exeeco Gearboxes (Up To IW9 Or IB10) To Valves, Dampers And Other Equipment.....	889.85	
23 09 23 00-2050 EA Mounting Kit For Rotork Actuators (IQ 35-40) Or Exeeco Gearboxes (Up To IW12 Or IB14) To Valves, Dampers And Other Equipment.....	1,166.42	
23 09 23 00-2051 EA Mounting Kit For Rotork Actuators (IQ 70-90) Or Exeeco Gearboxes (Up To IS15 Or IS20) To Valves, Dampers And Other Equipment.....	1,476.67	
<b>23 09 23 00-2052</b>	<b>Rotork "Exeeco" Fitted Gearboxes</b> (23 09 23 00-1992)	
See CSI section 23 09 23 00-2095 for mounting.		
23 09 23 00-2053 EA Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB2.....	1,715.80	290.84
23 09 23 00-2054 EA Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB3.....	1,872.13	290.84
23 09 23 00-2055 EA Rotork Exeeco Fitted Gearbox, Bevel, FA10, IB4.....	1,510.18	290.84
23 09 23 00-2056 EA Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB4.....	1,511.38	290.84
23 09 23 00-2057 EA Rotork Exeeco Fitted Gearbox, Bevel, FA10, IB5.....	1,666.50	290.84
23 09 23 00-2058 EA Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB5.....	1,708.59	290.84
23 09 23 00-2059 EA Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB6.....	2,056.11	290.84
23 09 23 00-2060 EA Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB6.....	2,134.27	290.84
23 09 23 00-2061 EA Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB7.....	2,333.89	290.84
23 09 23 00-2062 EA Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB7.....	2,410.85	290.84
23 09 23 00-2063 EA Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB8.....	3,233.49	276.54
23 09 23 00-2064 EA Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB8.....	3,311.65	276.54
23 09 23 00-2065 EA Rotork Exeeco Fitted Gearbox, Bevel, FA25, IB8.....	3,404.24	276.54
23 09 23 00-2066 EA Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB9.....	3,672.40	276.54
23 09 23 00-2067 EA Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB9.....	3,750.56	276.54
23 09 23 00-2068 EA Rotork Exeeco Fitted Gearbox, Bevel, FA25, IB9.....	3,843.16	276.54
23 09 23 00-2069 EA Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB10.....	4,449.80	345.67
23 09 23 00-2070 EA Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB10.....	4,556.83	345.67
23 09 23 00-2071 EA Rotork Exeeco Fitted Gearbox, Bevel, FA25, IB10.....	4,591.70	345.67
23 09 23 00-2072 EA Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB11.....	5,443.07	345.67
23 09 23 00-2073 EA Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB11.....	5,550.09	345.67
23 09 23 00-2074 EA Rotork Exeeco Fitted Gearbox, Bevel, FA25, IB11.....	5,584.96	345.67
23 09 23 00-2075 EA Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB12.....	6,818.73	345.67
23 09 23 00-2076 EA Rotork Exeeco Fitted Gearbox, Bevel, FA25, IB12.....	6,953.41	345.67
23 09 23 00-2077 EA Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB13.....	8,733.11	345.67
23 09 23 00-2078 EA Rotork Exeeco Fitted Gearbox, Bevel, FA25, IB13.....	8,867.79	345.67
23 09 23 00-2079 EA Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB14.....	16,913.14	414.82
23 09 23 00-2080 EA Rotork Exeeco Fitted Gearbox, Bevel, FA25, IB14.....	17,047.82	414.82
23 09 23 00-2081 EA Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW3.....	969.70	218.13
23 09 23 00-2082 EA Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW4.....	1,267.92	218.13
23 09 23 00-2083 EA Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW5.....	1,650.87	218.13
23 09 23 00-2084 EA Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW52.....	2,005.60	218.13
23 09 23 00-2085 EA Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW6.....	2,432.49	218.13
23 09 23 00-2086 EA Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW63.....	3,367.63	390.24
23 09 23 00-2087 EA Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW7.....	4,027.80	390.24
23 09 23 00-2088 EA Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW72.....	4,850.31	390.24
23 09 23 00-2089 EA Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW8.....	6,074.63	487.81
23 09 23 00-2090 EA Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW82.....	7,286.75	585.36
23 09 23 00-2091 EA Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW9.....	9,245.62	585.36
23 09 23 00-2092 EA Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW10.....	12,301.64	780.49
23 09 23 00-2093 EA Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW11.....	15,754.02	780.49
23 09 23 00-2094 EA Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW12.....	40,200.85	780.49
<b>23 09 23 00-2095</b>	<b>Mounting Rotork Actuator To Exeeco Gearbox Mounting</b> (23 09 23 00-1992)	
23 09 23 00-2096 EA Mounting of Rotork Actuators (IQ 10-18) to Exeeco Gearboxes (IW3-IW6 or IB3 to IB6).....	399.23	
23 09 23 00-2097 EA Mounting of Rotork Actuators (IQ 10-18) to Exeeco Gearboxes (IW7-IW12 or IB7 to IB7).....	467.77	
23 09 23 00-2098 EA Mounting of Rotork Actuators (IQ 20-25) to Exeeco Gearboxes (IW6-IW12 or IB6 to IB11).....	627.70	
23 09 23 00-2099 EA Mounting of Rotork Actuators (IQ 35-40) to Exeeco Gearboxes (IW6-IW12 or IB6 to IB14).....	719.10	
23 09 23 00-2100 EA Mounting of Rotork Actuators (IQ 70-95) to Exeeco Gearboxes (IB10-IB14).....	931.94	
<b>23 09 23 00-2101</b>	<b>Electro-Hydraulic Valve Actuators</b> (23 09 23 00-1033)	
Note: Actuators only.		
<b>23 09 23 00-2102</b>	<b>Electro-Hydraulic Rotary Actuators, Model 2000</b> (23 09 23 00-2101)	
Note: Fail set (fail in last position), 90 degree valve torque, NEMA 6P/7 actuator enclosure, 316 stainless steel components (base plate, actuator enclosure fittings and tubing), positive displacement gear pump, hand pump included. Trident Actuator Company.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-2103 EA Valve Torque To 13,000 LB (Maximum) ..... <i>For 316 Stainless Steel Coupling, Add</i>	24,914.68 1,080.00	727.10
23 09 23 00-2104 EA Valve Torque To 45,000 LB (Maximum) ..... <i>For 316 Stainless Steel Coupling, Add</i>	40,918.56 1,200.00	908.88
23 09 23 00-2105 EA Valve Torque To 90,000 LB (Maximum) ..... <i>For 316 Stainless Steel Coupling, Add</i>	80,381.16 1,440.00	1,089.78
<b>23 09 23 00-2106 Electro-Hydraulic Linear Actuators, Model 3000</b> <small>(23 09 23 00-2101)</small> Note: Fail set (fail in last position), NEMA 6P/7 actuator enclosure, 316 stainless steel components (base plate, actuator enclosure fittings and tubing), positive displacement gear pump. Trident Actuator Company.		
23 09 23 00-2107 EA Linear Actuator Stroke To 24" (Maximum) ..... <i>For 316 Stainless Steel Coupling, Add</i>	40,555.00 1,440.00	727.10
23 09 23 00-2108 EA Linear Actuator Stroke To 36" (Maximum) ..... <i>For 316 Stainless Steel Coupling, Add</i>	52,648.80 1,440.00	908.88
23 09 23 00-2109 EA Linear Actuator Stroke To 48" (Maximum) ..... <i>For 316 Stainless Steel Coupling, Add</i>	68,650.92 1,920.00	1,089.78
23 09 23 00-2110 EA Linear Actuator Stroke To 62" (Maximum) ..... <i>For 316 Stainless Steel Coupling, Add</i>	88,567.63 1,920.00	1,272.94
<b>23 09 23 00-2111 Electro-Hydraulic Valve Actuators, Model 2500</b> <small>(23 09 23 00-2101)</small> Note: Fail safe, 90 degree valve torque, NEMA 6P/7 actuator enclosure, 316 stainless steel components (base plate, actuator enclosure fittings and tubing), positive displacement gear pump, hand pump included. Trident Actuator Company.		
23 09 23 00-2112 EA Valve Torque To 13,000 LB (Maximum) ..... <i>For 316 Stainless Steel Coupling, Add</i>	32,734.84 1,080.00	727.10
23 09 23 00-2113 EA Valve Torque To 45,000 LB (Maximum) ..... <i>For 316 Stainless Steel Coupling, Add</i>	53,821.82 1,200.00	908.88
23 09 23 00-2114 EA Valve Torque To 90,000 LB (Maximum) ..... <i>For 316 Stainless Steel Coupling, Add</i>	107,751.72 1,440.00	1,089.78
<b>23 09 23 00-2115 Electro-Hydraulic Linear Actuators, Model 3500</b> <small>(23 09 23 00-2101)</small> Note: Fail safe, 90 degree valve torque, NEMA 6P/7 actuator enclosure, 316 stainless steel components (base plate, actuator enclosure fittings and tubing), positive displacement gear pump. Trident Actuator Company.		
23 09 23 00-2116 EA Linear Actuator Stroke To 24" (Maximum) ..... <i>For 316 Stainless Steel Coupling, Add</i>	54,240.28 1,080.00	727.10
23 09 23 00-2117 EA Linear Actuator Stroke To 36" (Maximum) ..... <i>For 316 Stainless Steel Coupling, Add</i>	70,244.16 1,200.00	908.88
23 09 23 00-2118 EA Linear Actuator Stroke To 48" (Maximum) ..... <i>For 316 Stainless Steel Coupling, Add</i>	96,021.48 1,200.00	1,089.78
23 09 23 00-2119 EA Linear Actuator Stroke To 62" (Maximum) ..... <i>For 316 Stainless Steel Coupling, Add</i>	115,938.19 1,920.00	1,272.94
<b>23 09 23 00-2120 Electro-Hydraulic Accessories Trident Actuator Company</b> <small>(23 09 23 00-2101)</small>		
23 09 23 00-2121 EA NEMA 4X Controller, With Push Button (For Model 2000 And 3000) .....	19,640.63	436.11
23 09 23 00-2122 EA NEMA 4X Controller, With Push Button (For Model 2500 And 3500) .....	22,463.61	436.11
23 09 23 00-2123 EA AB 500 Touch Screen (For Model 2000 And 3000) .....	6,299.32	90.89
23 09 23 00-2124 EA AB 500 Touch Screen (For Model 2500 And 3500) .....	7,378.89	90.89
<b>23 09 23 00-2125 Beck Valve And Damper Actuators</b> <small>(23 09 23 00-1033)</small>		
<b>23 09 23 00-2126 Group 11, Beck Valve And Damper Actuators</b> <small>(23 09 23 00-2125)</small>		
<b>23 09 23 00-2127 Linkage Connected, Group 11 Actuators</b> <small>(23 09 23 00-2126)</small> Note: Labor is excluded from the actuator material tasks. Separate labor tasks are available based on valve size.		
23 09 23 00-2128 EA 20 LB-FT, 20 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-159-20-20-0) .....	3,843.29 152.89 300.50 184.52 363.77 485.02	727.10
23 09 23 00-2129 EA 40 LB-FT, 20 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-159-40-20-0) .....	4,170.15 152.89 300.50 184.52 363.77 485.02	1,089.78
23 09 23 00-2130 EA 40 LB-FT, 40 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-159-40-40-0) .....	3,843.29 152.89 300.50 184.52 363.77 485.02	1,089.78



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-2131 EA 60 LB-FT, 60 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-159-60-60-0)	3,843.29	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	184.52	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	485.02	
23 09 23 00-2132 EA 80 LB-FT, 24 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-159-80-24-0)	4,592.97	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	184.52	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	485.02	
23 09 23 00-2133 EA 80 LB-FT, 40 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-159-80-40-0)	4,170.15	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	184.52	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	485.02	
23 09 23 00-2134 EA 80 LB-FT, 90 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-159-80-90-0)	3,843.29	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	184.52	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	485.02	
23 09 23 00-2135 EA 125 LB-FT, 20 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-209-125-20-0)	5,624.17	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2136 EA 125 LB-FT, 40 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-209-125-40-0)	5,260.40	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2137 EA 175 LB-FT, 60 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-209-175-60-0)	5,260.40	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2138 EA 250 LB-FT, 24 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-209-250-24-0)	6,362.25	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2139 EA 250 LB-FT, 40 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-209-250-40-0)	5,251.07	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2140 EA 250 LB-FT, 75 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-209-250-75-0)	5,260.40	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2141 EA 300 LB-FT, 24 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-309-300-24-0)	6,720.75	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2142 EA 300 LB-FT, 40 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-309-300-40-0)	6,032.22	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-2143 EA 300 LB-FT, 100 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11- 300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-309-300-100-0).....	5,703.25	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2144 EA 400 LB-FT, 36 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11- 300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-309-400-36-0).....	6,720.75	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2145 EA 400 LB-FT, 60 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11- 300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-309-400-60-0).....	6,032.22	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2146 EA 550 LB-FT, 75 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11- 300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-309-550-75-0).....	6,032.22	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2147 EA 650 LB-FT, 60 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11- 300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-309-650-60-0).....	6,720.75	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2148 EA 650 LB-FT, 100 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11- 300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-309-650-100-0).....	6,032.22	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2149 EA 350 LB-FT, 24 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11- 400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-409-350-24-0).....	8,089.36	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2150 EA 550 LB-FT, 40 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11- 400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-409-550-40-0).....	8,089.36	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2151 EA 650 LB-FT, 24 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11- 400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-409-650-24-0).....	9,727.89	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2152 EA 800 LB-FT, 60 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11- 400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-409-800-60-0).....	8,089.36	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2153 EA 1,000 LB-FT, 24 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11- 400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-409-1000-24-0).....	11,035.35	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2154 EA 1,000 LB-FT, 40 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11- 400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-409-1000-40-0).....	9,727.89	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-2155 EA 1,000 LB-FT, 75 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-409-1000-75-0).....	8,089.36	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	
23 09 23 00-2156 EA 1,500 LB-FT, 100 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-409-1500-100-0).....	8,111.50	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	
23 09 23 00-2157 EA 1,800 LB-FT, 60 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-409-1800-60-0).....	9,727.89	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	
23 09 23 00-2158 EA 1,800 LB-FT, 36 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-409-1800-36-0).....	11,035.35	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	
23 09 23 00-2159 EA 20 LB-FT, 20 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-157-20-20-0).....	2,831.06	
Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	184.52	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	485.02	
23 09 23 00-2160 EA 40 LB-FT, 20 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-157-40-20-0).....	3,158.98	
Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	184.52	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	485.02	
23 09 23 00-2161 EA 40 LB-FT, 40 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-157-40-40-0).....	2,831.06	
Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	184.52	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	485.02	
23 09 23 00-2162 EA 60 LB-FT, 60 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-157-60-60-0).....	2,831.06	
Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	184.52	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	485.02	
23 09 23 00-2163 EA 80 LB-FT, 24 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-157-80-24-0).....	3,581.80	
Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	184.52	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	485.02	
23 09 23 00-2164 EA 80 LB-FT, 40 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-157-80-40-0).....	3,158.98	
Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	184.52	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	485.02	
23 09 23 00-2165 EA 80 LB-FT, 90 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-157-80-90-0).....	2,831.06	
Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	485.02	
For Torque Sensing, Add	653.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-2166 EA 125 LB-FT, 20 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-207-125-20-0).....	4,685.75	
Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2167 EA 125 LB-FT, 40 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-207-125-40-0).....	4,320.93	
Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2168 EA 175 LB-FT, 60 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-207-175-60-0).....	4,320.93	
Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2169 EA 250 LB-FT, 24 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-207-250-24-0).....	5,423.83	
Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2170 EA 250 LB-FT, 40 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-207-250-40-0).....	4,685.75	
Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2171 EA 250 LB-FT, 75 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-207-250-75-0).....	4,320.93	
Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2172 EA 300 LB-FT, 24 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-307-300-24-0).....	5,847.70	
Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2173 EA 300 LB-FT, 40 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-307-300-40-0).....	5,159.18	
Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2174 EA 300 LB-FT, 100 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-307-300-100-0).....	4,831.26	
Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2175 EA 400 LB-FT, 36 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-307-400-36-0).....	5,847.70	
Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-2176 EA 400 LB-FT, 60 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-307-400-60-0).....	5,159.18	
Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2177 EA 550 LB-FT, 75 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-307-550-75-0).....	5,159.18	
Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2178 EA 650 LB-FT, 60 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-307-650-60-0).....	5,847.70	
Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2179 EA 650 LB-FT, 100 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-307-650-100-0).....	5,159.18	
Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2180 EA 350 LB-FT, 24 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-407-350-24-0).....	7,275.36	
Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	
23 09 23 00-2181 EA 550 LB-FT, 40 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-407-550-40-0).....	7,275.36	
Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	
23 09 23 00-2182 EA 650 LB-FT, 24 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-407-650-24-0).....	8,913.90	
Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	
23 09 23 00-2183 EA 800 LB-FT, 60 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-407-800-60-0).....	7,275.36	
Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	
23 09 23 00-2184 EA 1,000 LB-FT, 24 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-407-1000-24-0).....	10,221.35	
Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	
23 09 23 00-2185 EA 1,000 LB-FT, 40 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-407-1000-40-0).....	8,913.90	
Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-2186 EA 1,000 LB-FT, 75 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-407-1000-75-0).....	7,275.36	
Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	
23 09 23 00-2187 EA 1,500 LB-FT, 100 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-407-1500-100-0).....	7,275.36	
Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	
23 09 23 00-2188 EA 1,800 LB-FT, 60 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-407-1800-60-0).....	8,913.80	
Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	
23 09 23 00-2189 EA 1,800 LB-FT, 36 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-407-1800-36-0).....	10,221.35	
Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	
23 09 23 00-2190 EA 20 LB-FT, 20 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-156-20-20-0).....	2,888.00	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	184.52	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	485.02	
23 09 23 00-2191 EA 40 LB-FT, 20 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-156-40-20-0).....	3,215.92	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	184.52	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	485.02	
23 09 23 00-2192 EA 40 LB-FT, 40 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-156-40-40-0).....	2,888.00	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	184.52	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	485.02	
23 09 23 00-2193 EA 60 LB-FT, 60 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-156-60-60-0).....	2,888.00	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	184.52	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	485.02	
23 09 23 00-2194 EA 80 LB-FT, 24 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-156-80-24-0).....	3,638.73	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	184.52	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	485.02	
23 09 23 00-2195 EA 80 LB-FT, 40 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-156-80-40-0).....	3,215.92	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	184.52	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	485.02	
23 09 23 00-2196 EA 80 LB-FT, 90 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-156-80-90-0).....	2,888.00	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	184.52	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	485.02	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-2197 EA 125 LB-FT, 20 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-206-125-20-0).....	4,740.58	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2198 EA 125 LB-FT, 40 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-206-125-40-0).....	4,375.76	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2199 EA 175 LB-FT, 60 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-206-175-60-0).....	4,375.76	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2200 EA 250 LB-FT, 24 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-206-250-24-0).....	5,477.61	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2201 EA 250 LB-FT, 40 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-206-250-40-0).....	4,740.58	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2202 EA 250 LB-FT, 75 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-206-250-75-0).....	4,375.76	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2203 EA 300 LB-FT, 24 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-306-300-24-0).....	5,895.15	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2204 EA 300 LB-FT, 40 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-306-300-40-0).....	5,206.63	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2205 EA 300 LB-FT, 100 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-306-300-100-0).....	4,877.65	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2206 EA 400 LB-FT, 36 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-306-400-36-0).....	5,895.15	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2207 EA 400 LB-FT, 60 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-306-400-60-0).....	5,206.63	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2208 EA 550 LB-FT, 75 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-306-550-75-0).....	5,206.63	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-2209 EA 650 LB-FT, 60 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-306-650-60-0).....	5,895.15	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2210 EA 650 LB-FT, 100 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-306-650-100-0).....	5,206.63	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2211 EA 350 LB-FT, 24 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-406-350-24-0).....	7,315.43	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2212 EA 550 LB-FT, 40 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-406-550-40-0).....	7,315.43	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2213 EA 650 LB-FT, 24 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-406-650-24-0).....	8,953.96	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2214 EA 800 LB-FT, 60 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-406-800-60-0).....	7,315.43	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2215 EA 1,000 LB-FT, 24 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-406-1000-24-0).....	10,261.42	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2216 EA 1,000 LB-FT, 40 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-406-1000-40-0).....	8,953.96	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2217 EA 1,000 LB-FT, 75 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-406-1000-75-0).....	7,315.43	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2218 EA 1,500 LB-FT, 100 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-406-1500-100-0).....	7,315.43	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2219 EA 1,800 LB-FT, 60 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-406-1800-60-0).....	8,953.96	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2220 EA 1,800 LB-FT, 36 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-406-1800-36-0).....	10,261.42	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09	23 00-2221	EA	20 LB-FT, 20 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-155-20-20-0) .....	2,222.68	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	184.52	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	485.02	
23 09	23 00-2222	EA	40 LB-FT, 20 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-155-40-20-0) .....	2,550.59	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	184.52	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	485.02	
23 09	23 00-2223	EA	40 LB-FT, 40 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-155-40-40-0) .....	2,222.68	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	184.52	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	485.02	
23 09	23 00-2224	EA	60 LB-FT, 60 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-155-60-60-0) .....	2,222.68	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	184.52	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	485.02	
23 09	23 00-2225	EA	80 LB-FT, 24 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-155-80-24-0) .....	2,973.41	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	184.52	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	485.02	
23 09	23 00-2226	EA	80 LB-FT, 40 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-155-80-40-0) .....	2,550.59	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	184.52	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	485.02	
23 09	23 00-2227	EA	80 LB-FT, 90 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-155-80-90-0) .....	2,222.68	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	184.52	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	485.02	
23 09	23 00-2228	EA	125 LB-FT, 20 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-205-125-20-0) .....	4,149.06	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	195.06	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	653.73	
23 09	23 00-2229	EA	125 LB-FT, 40 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-205-125-40-0) .....	3,784.24	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	195.06	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	653.73	
23 09	23 00-2230	EA	175 LB-FT, 60 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-205-175-60-0) .....	3,784.24	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	195.06	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	653.73	
23 09	23 00-2231	EA	250 LB-FT, 24 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-205-250-24-0) .....	4,887.14	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	195.06	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	653.73	
23 09	23 00-2232	EA	250 LB-FT, 40 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-205-250-40-0) .....	4,149.06	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	195.06	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	653.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-2233 EA 250 LB-FT, 75 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-205-250-75-0) .....	3,784.24	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2234 EA 300 LB-FT, 24 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-305-300-24-0) .....	5,347.92	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2235 EA 300 LB-FT, 40 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-305-300-40-0) .....	4,659.39	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2236 EA 300 LB-FT, 100 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-305-300-100-0) .....	4,330.42	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2237 EA 400 LB-FT, 36 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-305-400-36-0) .....	5,347.92	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2238 EA 400 LB-FT, 60 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-305-400-60-0) .....	4,659.39	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2239 EA 550 LB-FT, 75 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-305 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-305-550-75-0) .....	4,659.39	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2240 EA 650 LB-FT, 60 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-305-650-60-0) .....	5,347.92	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2241 EA 650 LB-FT, 100 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-305-650-100-0) .....	4,659.39	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2242 EA 350 LB-FT, 24 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-405-350-24-0) .....	6,802.99	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2243 EA 550 LB-FT, 40 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-405-550-40-0) .....	6,802.99	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2244 EA 650 LB-FT, 24 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-405-650-24-0) .....	8,441.53	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09	23 00-2245	EA	800 LB-FT, 60 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-405-800-60-0)	6,802.99	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	226.70	
			<i>For Three Phase Power, Add</i>	790.80	
			<i>For Torque Sensing, Add</i>	653.73	
23 09	23 00-2246	EA	1,000 LB-FT, 24 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-405-1000-24-0)	9,748.98	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	226.70	
			<i>For Three Phase Power, Add</i>	790.80	
			<i>For Torque Sensing, Add</i>	653.73	
23 09	23 00-2247	EA	1,000 LB-FT, 40 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-405-1000-40-0)	8,441.53	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	226.70	
			<i>For Three Phase Power, Add</i>	790.80	
			<i>For Torque Sensing, Add</i>	653.73	
23 09	23 00-2248	EA	1,000 LB-FT, 75 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-405-1000-75-0)	6,802.99	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	226.70	
			<i>For Three Phase Power, Add</i>	790.80	
			<i>For Torque Sensing, Add</i>	653.73	
23 09	23 00-2249	EA	1,500 LB-FT, 100 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-405-1500-100-0)	6,802.99	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	226.70	
			<i>For Three Phase Power, Add</i>	790.80	
			<i>For Torque Sensing, Add</i>	653.73	
23 09	23 00-2250	EA	1,800 LB-FT, 60 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-405-1800-60-0)	8,441.53	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	226.70	
			<i>For Three Phase Power, Add</i>	790.80	
			<i>For Torque Sensing, Add</i>	653.73	
23 09	23 00-2251	EA	1,800 LB-FT, 36 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-405-1800-36-0)	9,748.98	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	226.70	
			<i>For Three Phase Power, Add</i>	790.80	
			<i>For Torque Sensing, Add</i>	653.73	
23 09	23 00-2252	EA	20 LB-FT, 20 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-153-20-20-0)	1,885.27	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	184.52	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	485.02	
23 09	23 00-2253	EA	40 LB-FT, 20 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-153-40-20-0)	2,213.19	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	184.52	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	485.02	
23 09	23 00-2254	EA	40 LB-FT, 40 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-153-40-40-0)	1,885.27	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	184.52	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	485.02	
23 09	23 00-2255	EA	60 LB-FT, 60 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-153-60-60-0)	1,885.27	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	184.52	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	485.02	
23 09	23 00-2256	EA	80 LB-FT, 24 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-153-80-24-0)	2,584.33	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	184.52	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	485.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-2257 EA 80 LB-FT, 40 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-153-80-40-0).....	2,636.00	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	184.52	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	485.02	
23 09 23 00-2258 EA 80 LB-FT, 90 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-153-80-90-0).....	1,885.27	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	184.52	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	485.02	
23 09 23 00-2259 EA 125 LB-FT, 20 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-203-125-20-0).....	3,847.51	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2260 EA 125 LB-FT, 40 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-203-125-40-0).....	3,482.68	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2261 EA 175 LB-FT, 60 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-203-175-60-0).....	3,482.68	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2262 EA 250 LB-FT, 24 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-203-250-24-0).....	4,585.59	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2263 EA 250 LB-FT, 40 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-203-250-40-0).....	3,847.51	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2264 EA 250 LB-FT, 75 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-203-250-75-0).....	3,482.68	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2265 EA 300 LB-FT, 24 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-303-300-24-0).....	5,062.17	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2266 EA 300 LB-FT, 40 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-303-300-40-0).....	4,373.65	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2267 EA 300 LB-FT, 100 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-303-300-100-0).....	4,044.68	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2268 EA 400 LB-FT, 36 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-303-400-36-0).....	5,062.17	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-2269 EA 400 LB-FT, 60 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-303-400-60-0).....	4,373.65	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2270 EA 550 LB-FT, 75 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-303-550-75-0).....	4,373.65	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2271 EA 650 LB-FT, 60 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-303-650-60-0).....	5,062.17	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2272 EA 650 LB-FT, 100 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-303-650-100-0).....	4,373.65	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2273 EA 350 LB-FT, 24 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-403-350-24-0).....	6,538.33	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	
23 09 23 00-2274 EA 550 LB-FT, 40 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-403-550-40-0).....	6,538.33	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	
23 09 23 00-2275 EA 650 LB-FT, 24 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-403-650-24-0).....	8,176.87	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	
23 09 23 00-2276 EA 800 LB-FT, 60 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-403-800-60-0).....	6,538.33	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	
23 09 23 00-2277 EA 1,000 LB-FT, 24 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-403-1000-24-0).....	9,484.33	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	
23 09 23 00-2278 EA 1,000 LB-FT, 40 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-403-1000-40-0).....	8,176.87	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	
23 09 23 00-2279 EA 1,000 LB-FT, 75 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-403-1000-75-0).....	6,538.33	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	
23 09 23 00-2280 EA 1,500 LB-FT, 100 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-403-1500-100-0).....	6,538.33	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-2281 EA 1,800 LB-FT, 60 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-403-1800-60-0).....	8,176.87	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2282 EA 1,800 LB-FT, 36 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-403-1800-36-0).....	9,484.33	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2283 EA Labor To Install Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator On Contractor Supplied Up To 24" Valve.....	303.25	150.51
23 09 23 00-2284 EA Labor To Install Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator On Contractor Supplied Up To 24" Valve.....	534.18	263.94
23 09 23 00-2285 EA Labor To Install Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator On Contractor Supplied Up To 24" Valve.....	534.18	263.94
23 09 23 00-2286 EA Labor To Install Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator On Contractor Supplied Up To 24" Valve.....	815.17	404.99
23 09 23 00-2287 EA Labor To Install Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator On Contractor Supplied >24" Valve.....	386.72	191.95
23 09 23 00-2288 EA Labor To Install Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator On Contractor Supplied >24" Valve.....	664.93	332.28
23 09 23 00-2289 EA Labor To Install Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator On Contractor Supplied >24" Valve.....	664.93	332.28
23 09 23 00-2290 EA Labor To Install Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator On Contractor Supplied >24" Valve.....	990.45	472.61
23 09 23 00-2291 EA Labor To Install Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator On Owner Supplied Up To 24" Valve.....	386.72	191.95
23 09 23 00-2292 EA Labor To Install Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator On Owner Supplied Up To 24" Valve.....	664.93	332.28
23 09 23 00-2293 EA Labor To Install Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator On Owner Supplied Up To 24" Valve.....	664.93	332.28
23 09 23 00-2294 EA Labor To Install Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator On Owner Supplied Up To 24" Valve.....	959.85	496.61
23 09 23 00-2295 EA Labor To Install Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator On Owner Supplied >24" Valve.....	486.88	240.67
23 09 23 00-2296 EA Labor To Install Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator On Owner Supplied >24" Valve.....	809.61	404.99
23 09 23 00-2297 EA Labor To Install Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator On Owner Supplied >24" Valve.....	809.61	404.99
23 09 23 00-2298 EA Labor To Install Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator On Owner Supplied >24" Valve.....	1,190.76	591.13
<b>23 09 23 00-2299 Direct Coupled, Group 11 Actuators</b> <small>(23 09 23 00-2126)</small>		
<i>Note: Labor is excluded from the actuator material tasks. Separate labor tasks are available based on valve size.</i>		
23 09 23 00-2300 EA 20 FT_LB, 18 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-169-20-18-0).....	3,743.12	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	184.52	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	485.02	
23 09 23 00-2301 EA 40 FT-LB, 18 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-169-40-18-0).....	4,061.55	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	184.52	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	485.02	
23 09 23 00-2302 EA 40 FT-LB, 36 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-169-40-36-0).....	3,743.12	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	184.52	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	485.02	
23 09 23 00-2303 EA 60 FT-LB, 54 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-169-60-54-0).....	3,743.12	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	184.52	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	485.02	
23 09 23 00-2304 EA 80 FT-LB, 22 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-169-80-22-0).....	4,493.85	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	184.52	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	485.02	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-2305 EA 80 FT-LB, 36 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-169-80-36-0) .....	4,061.55	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	184.52	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	485.02	
23 09 23 00-2306 EA 80 FT-LB, 81 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-169-80-81-0) .....	3,743.12	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	184.52	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	485.02	
23 09 23 00-2307 EA 125 FT-LB, 18 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-269-125-18-0) .....	5,591.48	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2308 EA 125 FT-LB, 36 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-269-125-36-0) .....	5,218.23	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2309 EA 175 FT-LB, 54 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-269-175-54-0) .....	4,871.96	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2310 EA 250 FT-LB, 22 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-269-250-22-0) .....	6,328.51	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2311 EA 250 FT-LB, 36 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-269-250-36-0) .....	5,591.48	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2312 EA 250 FT-LB, 68 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-269-250-68-0) .....	5,218.23	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2313 EA 300 FT-LB, 22 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-369-300-22-0) .....	6,552.04	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2314 EA 300 FT-LB, 36 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-369-300-36-0) .....	5,856.14	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2315 EA 300 FT-LB, 90 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-369-300-90-0) .....	5,524.00	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2316 EA 400 FT-LB, 32 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-369-400-32-0) .....	6,552.04	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-2317 EA 400 FT-LB, 54 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-369-400-54-0).....	5,856.14	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2318 EA 550 FT-LB, 68 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-369-550-68-0).....	5,856.14	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2319 EA 650 FT-LB, 54 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-369-650-54-0).....	6,552.04	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2320 EA 650 FT-LB, 90 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-369-650-90-0).....	5,856.14	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2321 EA 350 FT-LB, 22 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-469-350-22-0).....	8,089.36	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2322 EA 550 FT-LB, 36 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-469-550-36-0).....	8,089.36	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2323 EA 650 FT-LB, 22 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-469-650-22-0).....	9,727.89	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2324 EA 800 FT-LB, 54 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-469-800-54-0).....	8,089.36	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2325 EA 1000 FT-LB, 22 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-469-1000-22-0).....	11,035.35	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2326 EA 1000 FT-LB, 36 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-469-1000-36-0).....	9,727.89	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2327 EA 1000 FT-LB, 68 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-469-1000-68-0).....	8,089.36	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2328 EA 1500 FT-LB, 90 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-469-1500-90-0).....	8,089.36	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-2329 EA 1800 FT-LB, 54 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-469-1800-54-0) .....	11,035.35	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	
23 09 23 00-2330 EA 1800 FT-LB, 32 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-469-1800-32-0) .....	10,711.65	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	
23 09 23 00-2331 EA 20 FT-LB, 18 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-167-20-18-0) .....	2,745.66	
Note: Internal film pot is used. Aux pot available for position sensing		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	184.52	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	485.02	
23 09 23 00-2332 EA 40 FT-LB, 18 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-167-40-18-0) .....	3,064.09	
Note: Internal film pot is used. Aux pot available for position sensing		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	184.52	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	485.02	
23 09 23 00-2333 EA 40 FT-LB, 36 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-167-40-36-0) .....	2,745.66	
Note: Internal film pot is used. Aux pot available for position sensing		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	184.52	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	485.02	
23 09 23 00-2334 EA 60 FT-LB, 54 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-167-60-54-0) .....	2,745.66	
Note: Internal film pot is used. Aux pot available for position sensing		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	184.52	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	485.02	
23 09 23 00-2335 EA 80 FT-LB, 22 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-167-80-22-0) .....	3,496.39	
Note: Internal film pot is used. Aux pot available for position sensing		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	184.52	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	485.02	
23 09 23 00-2336 EA 80 FT-LB, 36 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-167-80-36-0) .....	3,064.09	
Note: Internal film pot is used. Aux pot available for position sensing		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	184.52	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	485.02	
23 09 23 00-2337 EA 80 FT-LB, 81 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-167-80-81-0) .....	2,745.66	
Note: Internal film pot is used. Aux pot available for position sensing		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	184.52	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	485.02	
23 09 23 00-2338 EA 125 FT-LB, 18 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-267-125-18-0) .....	4,656.23	
Note: Internal film pot is used. Aux pot available for position sensing		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2339 EA 125 FT-LB, 36 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-267-125-36-0) .....	4,282.97	
Note: Internal film pot is used. Aux pot available for position sensing		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-2340 EA 175 FT-LB, 54 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-267-175-54-0) .....	4,282.97	
Note: Internal film pot is used. Aux pot available for position sensing		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2341 EA 250 FT-LB, 22 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-267-250-22-0) .....	5,394.31	
Note: Internal film pot is used. Aux pot available for position sensing		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2342 EA 250 FT-LB, 36 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-267-250-36-0) .....	4,656.23	
Note: Internal film pot is used. Aux pot available for position sensing		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2343 EA 250 FT-LB, 68 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-267-250-68-0) .....	4,282.97	
Note: Internal film pot is used. Aux pot available for position sensing		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2344 EA 300 FT-LB, 22 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-367-300-22-0) .....	5,680.05	
Note: Internal film pot is used. Aux pot available for position sensing		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2345 EA 300 FT-LB, 36 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-367-300-36-0) .....	4,984.15	
Note: Internal film pot is used. Aux pot available for position sensing		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2346 EA 300 FT-LB, 90 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-367-300-90-0) .....	4,650.96	
Note: Internal film pot is used. Aux pot available for position sensing		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2347 EA 400 FT-LB, 32 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-367-400-32-0) .....	5,680.05	
Note: Internal film pot is used. Aux pot available for position sensing		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2348 EA 400 FT-LB, 54 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-367-400-54-0) .....	4,984.15	
Note: Internal film pot is used. Aux pot available for position sensing		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2349 EA 550 FT-LB, 68 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-367-550-68-0) .....	4,984.15	
Note: Internal film pot is used. Aux pot available for position sensing		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-2350 EA 650 FT-LB, 54 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-367-650-54-0).....	5,680.05	
Note: Internal film pot is used. Aux pot available for position sensing		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2351 EA 650 FT-LB, 90 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-367-650-90-0).....	4,984.15	
Note: Internal film pot is used. Aux pot available for position sensing		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2352 EA 350 FT-LB, 24 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-467-350-24-0).....	7,275.36	
Note: Internal film pot is used. Aux pot available for position sensing		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	
23 09 23 00-2353 EA 550 FT-LB, 40 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-467-550-40-0).....	6,798.43	
Note: Internal film pot is used. Aux pot available for position sensing		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	
23 09 23 00-2354 EA 650 FT-LB, 54 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-467-650-24-0).....	8,945.75	
Note: Internal film pot is used. Aux pot available for position sensing		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	
23 09 23 00-2355 EA 800 FT-LB, 60 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-467-800-60-0).....	7,304.58	
Note: Internal film pot is used. Aux pot available for position sensing		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	
23 09 23 00-2356 EA 1000 FT-LB, 24 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-467-1000-24-0).....	10,260.20	
Note: Internal film pot is used. Aux pot available for position sensing		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	
23 09 23 00-2357 EA 1000 FT-LB, 40 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-467-1000-40-0).....	8,945.75	
Note: Internal film pot is used. Aux pot available for position sensing		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	
23 09 23 00-2358 EA 1000 FT-LB, 75 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-467-1000-75-0).....	7,304.58	
Note: Internal film pot is used. Aux pot available for position sensing		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	
23 09 23 00-2359 EA 1500 FT-LB, 100 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-467-1500-100-0).....	7,304.58	
Note: Internal film pot is used. Aux pot available for position sensing		
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-2360 EA 1800 FT-LB, 60 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-467-1800-60-0).....	8,945.75	
Note: Internal film pot is used. Aux pot available for position sensing		
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2361 EA 1800 FT-LB, 36 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-467-1800-36-0).....	10,260.20	
Note: Internal film pot is used. Aux pot available for position sensing		
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2362 EA 20 FT_LB, 18 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-166-20-18-0).....	2,797.32	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	184.52	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	485.02	
23 09 23 00-2363 EA 40 FT-LB, 18 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-166-40-18-0).....	3,115.75	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	184.52	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	485.02	
23 09 23 00-2364 EA 40 FT-LB, 36 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-166-40-36-0).....	2,797.32	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	184.52	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	485.02	
23 09 23 00-2365 EA 60 FT-LB, 54 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-166-60-54-0).....	2,619.09	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	184.52	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	485.02	
23 09 23 00-2366 EA 80 FT-LB, 22 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-166-80-22-0).....	3,548.06	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	184.52	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	485.02	
23 09 23 00-2367 EA 80 FT-LB, 36 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-166-80-36-0).....	3,115.75	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	184.52	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	485.02	
23 09 23 00-2368 EA 80 FT-LB, 81 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-166-80-81-0).....	2,797.32	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	184.52	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	485.02	
23 09 23 00-2369 EA 125 FT-LB, 18 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-266-125-18-0).....	4,706.84	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2370 EA 125 FT-LB, 36 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-266-125-36-0).....	4,333.58	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2371 EA 175 FT-LB, 54 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-266-175-54-0).....	4,333.58	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09	23 00-2372	EA	250 FT-LB, 22 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-266-250-22-0).....	5,444.92	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	195.06	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	653.73	
23 09	23 00-2373	EA	250 FT-LB, 36 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-266-250-36-0).....	4,706.84	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	195.06	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	653.73	
23 09	23 00-2374	EA	250 FT-LB, 68 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-266-250-68-0).....	4,333.58	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	195.06	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	653.73	
23 09	23 00-2375	EA	300 FT-LB, 22 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-366-300-22-0).....	5,726.45	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	195.06	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	653.73	
23 09	23 00-2376	EA	300 FT-LB, 36 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-366-300-36-0).....	5,030.54	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	195.06	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	653.73	
23 09	23 00-2377	EA	300 FT-LB, 90 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-366-300-90-0).....	4,698.41	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	195.06	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	653.73	
23 09	23 00-2378	EA	400 FT-LB, 32 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-366-400-32-0).....	5,726.45	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	195.06	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	653.73	
23 09	23 00-2379	EA	400 FT-LB, 54 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-366-400-54-0).....	5,030.54	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	195.06	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	653.73	
23 09	23 00-2380	EA	550 FT-LB, 68 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-366-550-68-0).....	5,030.54	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	195.06	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	653.73	
23 09	23 00-2381	EA	650 FT-LB, 54 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-366-650-54-0).....	5,726.45	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	195.06	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	653.73	
23 09	23 00-2382	EA	650 FT-LB, 90 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-366-650-90-0).....	5,030.54	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	195.06	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	653.73	
23 09	23 00-2383	EA	350 FT-LB, 24 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-466-350-24-0).....	7,345.88	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	226.70	
			<i>For Three Phase Power, Add</i>	790.80	
			<i>For Torque Sensing, Add</i>	653.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-2384 EA 550 FT-LB, 40 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-466-550-40-0).....	7,345.88	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2385 EA 650 FT-LB, 24 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-466-650-24-0).....	8,987.07	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2386 EA 800 FT-LB, 60 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-466-800-60-0).....	7,345.88	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2387 EA 1000 FT-LB, 24 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-466-1000-24-0).....	10,301.52	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2388 EA 1000 FT-LB, 40 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-466-1000-40-0).....	8,987.07	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2389 EA 1000 FT-LB, 75 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-466-1000-75-0).....	7,345.88	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2390 EA 1500 FT-LB, 100 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-466-1500-100-0).....	7,345.88	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2391 EA 1800 FT-LB, 60 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-466-1800-60-0).....	8,987.07	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2392 EA 1800 FT-LB, 36 Seconds Timing, 120 VAC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-466-1800-36-0).....	10,301.52	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2393 EA 20 FT_LB, 18 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-165-20-18-0).....	2,127.78	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	184.52	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	485.02	
23 09 23 00-2394 EA 40 FT-LB, 18 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-165-40-18-0).....	2,446.21	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	184.52	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	485.02	
23 09 23 00-2395 EA 40 FT-LB, 36 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-165-40-36-0).....	2,127.78	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	184.52	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	485.02	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-2396	EA		60 FT-LB, 54 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-165-60-54-0) .....	2,127.78	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	184.52	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	485.02	
23 09 23 00-2397	EA		80 FT-LB, 22 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-165-80-22-0) .....	2,878.51	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	184.52	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	485.02	
23 09 23 00-2398	EA		80 FT-LB, 36 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-165-80-36-0) .....	2,446.21	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	184.52	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	485.02	
23 09 23 00-2399	EA		80 FT-LB, 81 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-165-80-81-0) .....	2,127.78	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	184.52	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	485.02	
23 09 23 00-2400	EA		125 FT-LB, 18 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-265-125-18-0) .....	4,119.54	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	195.06	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2401	EA		125 FT-LB, 36 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-265-125-36-0) .....	3,747.34	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	195.06	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2402	EA		175 FT-LB, 54 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-265-175-54-0) .....	3,747.34	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	195.06	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2403	EA		250 FT-LB, 22 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-265-250-22-0) .....	4,533.18	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	195.06	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2404	EA		250 FT-LB, 36 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-265-250-36-0) .....	4,119.54	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	195.06	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2405	EA		250 FT-LB, 68 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-265-250-68-0) .....	3,747.34	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	195.06	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2406	EA		300 FT-LB, 22 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-365-300-22-0) .....	5,171.83	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	195.06	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2407	EA		300 FT-LB, 36 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-365-300-36-0) .....	4,474.87	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	195.06	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	653.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-2408 EA 300 FT-LB, 90 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-365-300-90-0) .....	4,142.74	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2409 EA 400 FT-LB, 32 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-365-400-32-0) .....	5,171.83	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2410 EA 400 FT-LB, 54 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-365-400-54-0) .....	4,474.87	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2411 EA 550 FT-LB, 68 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-365-550-68-0) .....	4,474.87	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2412 EA 650 FT-LB, 54 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-365-650-54-0) .....	5,171.83	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2413 EA 650 FT-LB, 90 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-365-650-90-0) .....	4,474.87	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2414 EA 350 FT-LB, 24 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-465-350-24-0) .....	6,827.61	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2415 EA 550 FT-LB, 40 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-465-550-40-0) .....	6,827.61	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2416 EA 650 FT-LB, 24 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-465-650-24-0) .....	8,468.80	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2417 EA 800 FT-LB, 60 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-465-800-60-0) .....	6,827.61	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2418 EA 1000 FT-LB, 24 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-465-1000-24-0) .....	9,783.25	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2419 EA 1000 FT-LB, 40 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-465-1000-40-0) .....	8,468.80	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	226.70	
<i>For Three Phase Power, Add</i>	790.80	
<i>For Torque Sensing, Add</i>	653.73	



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09	23 00-2420	EA	1000 FT-LB, 75 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-465-1000-75-0) .....	6,827.61	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	226.70	
			<i>For Three Phase Power, Add</i>	790.80	
			<i>For Torque Sensing, Add</i>	653.73	
23 09	23 00-2421	EA	1500 FT-LB, 100 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-465-1500-100-0) .....	6,827.61	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	226.70	
			<i>For Three Phase Power, Add</i>	790.80	
			<i>For Torque Sensing, Add</i>	653.73	
23 09	23 00-2422	EA	1800 FT-LB, 60 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-465-1800-60-0) .....	8,468.80	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	226.70	
			<i>For Three Phase Power, Add</i>	790.80	
			<i>For Torque Sensing, Add</i>	653.73	
23 09	23 00-2423	EA	1800 FT-LB, 36 Seconds Timing, 120 VAC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-465-1800-36-0) .....	9,783.25	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	226.70	
			<i>For Three Phase Power, Add</i>	790.80	
			<i>For Torque Sensing, Add</i>	653.73	
23 09	23 00-2424	EA	20 FT-LB, 18 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-163-20-18-0) .....	1,790.37	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	184.52	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	485.02	
23 09	23 00-2425	EA	40 FT-LB, 18 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-163-40-18-0) .....	2,108.80	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	184.52	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	485.02	
23 09	23 00-2426	EA	40 FT-LB, 36 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-163-40-36-0) .....	1,790.37	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	184.52	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	485.02	
23 09	23 00-2427	EA	60 FT-LB, 54 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-163-60-54-0) .....	1,790.37	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	184.52	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	485.02	
23 09	23 00-2428	EA	80 FT-LB, 22 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-163-80-22-0) .....	2,541.10	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	184.52	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	485.02	
23 09	23 00-2429	EA	80 FT-LB, 36 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-163-80-36-0) .....	2,108.80	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	184.52	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	485.02	
23 09	23 00-2430	EA	80 FT-LB, 81 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-163-80-81-0) .....	1,790.37	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	184.52	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	485.02	
23 09	23 00-2431	EA	125 FT-LB, 18 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-263-125-18-0) .....	3,809.55	
			<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
			<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
			<i>For 240 VAC, Add</i>	195.06	
			<i>For Three Phase Power, Add</i>	363.77	
			<i>For Torque Sensing, Add</i>	653.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-2432 EA 125 FT-LB, 36 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-263-125-36-0) .....	3,437.34	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2433 EA 175 FT-LB, 54 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-263-175-54-0) .....	3,437.34	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2434 EA 250 FT-LB, 22 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-263-250-22-0) .....	4,547.63	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2435 EA 250 FT-LB, 36 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-263-250-36-0) .....	3,809.55	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2436 EA 250 FT-LB, 68 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-263-250-68-0) .....	3,437.34	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2437 EA 300 FT-LB, 22 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-363-300-22-0) .....	4,893.47	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2438 EA 300 FT-LB, 36 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-363-300-36-0) .....	4,197.57	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2439 EA 300 FT-LB, 90 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-363-300-90-0) .....	3,864.38	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2440 EA 400 FT-LB, 32 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-363-400-32-0) .....	4,893.47	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2441 EA 400 FT-LB, 54 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-363-400-54-0) .....	4,197.57	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2442 EA 550 FT-LB, 68 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-363-550-68-0) .....	4,197.57	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	
23 09 23 00-2443 EA 650 FT-LB, 54 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-363-650-54-0) .....	4,893.47	
<i>For Two Auxiliary SPDT Limit Switches, Add</i>	152.89	
<i>For Four Auxiliary SPDT Limit Switches, Add</i>	300.50	
<i>For 240 VAC, Add</i>	195.06	
<i>For Three Phase Power, Add</i>	363.77	
<i>For Torque Sensing, Add</i>	653.73	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-2444 EA 650 FT-LB, 90 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-363-650-90-0).....	4,197.57	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	195.06	
For Three Phase Power, Add	363.77	
For Torque Sensing, Add	653.73	
23 09 23 00-2445 EA 350 FT-LB, 24 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-463-350-24-0).....	6,538.33	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	
23 09 23 00-2446 EA 550 FT-LB, 40 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-463-550-40-0).....	6,564.72	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	
23 09 23 00-2447 EA 650 FT-LB, 24 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-463-650-24-0).....	8,205.91	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	
23 09 23 00-2448 EA 800 FT-LB, 60 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-463-800-60-0).....	6,564.72	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	
23 09 23 00-2449 EA 1000 FT-LB, 24 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-463-1000-24-0).....	9,520.36	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	
23 09 23 00-2450 EA 1000 FT-LB, 40 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-463-1000-40-0).....	8,205.91	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	
23 09 23 00-2451 EA 1000 FT-LB, 75 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-463-1000-75-0).....	6,564.72	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	
23 09 23 00-2452 EA 1500 FT-LB, 100 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11- 460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-463-1500-100-0).....	6,564.72	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	
23 09 23 00-2453 EA 1800 FT-LB, 60 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-463-1800-60-0).....	8,205.91	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	
23 09 23 00-2454 EA 1800 FT-LB, 36 Seconds Timing, 120 VAC Control, Open/Close Operation, Control Option 3, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-463-1800-36-0).....	9,520.36	
For Two Auxiliary SPDT Limit Switches, Add	152.89	
For Four Auxiliary SPDT Limit Switches, Add	300.50	
For 240 VAC, Add	226.70	
For Three Phase Power, Add	790.80	
For Torque Sensing, Add	653.73	
23 09 23 00-2455 EA Labor To Install Drive Model 11-160 Rotary Damper Drive and Actuator On Contractor Supplied Up To 3" Valve.....	251.58	125.62
23 09 23 00-2456 EA Labor To Install Drive Model 11-160 Rotary Damper Drive and Actuator On Contractor Supplied >3" Valve.....	327.92	164.05
23 09 23 00-2457 EA Labor To Install Drive Model 11-260 Rotary Damper Drive and Actuator On Contractor Supplied >3" Valve.....	431.90	215.78
23 09 23 00-2458 EA Labor To Install Drive Model 11-360 Rotary Damper Drive and Actuator On Contractor Supplied >3" Valve.....	529.33	264.55
23 09 23 00-2459 EA Labor To Install Drive Model 11-460 Rotary Damper Drive and Actuator On Contractor Supplied >3" Valve.....	1,001.94	501.03
23 09 23 00-2460 EA Labor To Install Drive Model 11-160 Rotary Damper Drive and Actuator On Owner Supplied Up To 3" Valve.....	327.92	164.05
23 09 23 00-2461 EA Labor To Install Drive Model 11-160 Rotary Damper Drive and Actuator On Owner Supplied >3" Valve.....	431.90	215.78
23 09 23 00-2462 EA Labor To Install Drive Model 11-260 Rotary Damper Drive and Actuator On Owner Supplied >3" Valve.....	529.33	264.55
23 09 23 00-2463 EA Labor To Install Drive Model 11-360 Rotary Damper Drive and Actuator On Owner Supplied >3" Valve.....	620.95	310.37



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-2464 EA Labor To Install Drive Model 11-460 Rotary Damper Drive and Actuator On Owner Supplied >3" Valve.....	1,170.63	585.27
<b>23 09 23 00-2465 Group 11 Spare Parts</b> <small>(23 09 23 00-2126)</small>		
23 09 23 00-2466 EA Over-Travel Limit Switch Assembly, CW/CCW, Spare Part (Beck 20-3202-10).....	60.47	
23 09 23 00-2467 EA Two Switches, Auxiliary Limit Switch Assembly, S1/S2, Spare Part (Beck 20-3202-11).....	60.47	
23 09 23 00-2468 EA Four Switch, Auxiliary Limit Switch Assembly, S1/S2/S3/S4, Spare Part (Beck 20-3202-12).....	113.88	
23 09 23 00-2469 EA R.H. Switch Assembly, Spare Part (Beck 20-3200-03).....	76.76	
23 09 23 00-2470 EA L.H. Switch Assembly, Spare Part (Beck 20-3200-04).....	76.76	
23 09 23 00-2471 EA Handswitch, Spare Part (Beck 20-3300-17).....	242.51	
23 09 23 00-2472 EA 14 Oz Grease Can, Spare Part (Beck 19-0000-01).....	45.87	
23 09 23 00-2473 EA Control Option 9 Actuators, CPS Feedback Module, Spare Part (Beck 20-3400-09).....	1,059.67	
23 09 23 00-2474 EA Control Option 9 Actuators, DCM-2 Digital Input Board, Spare Part (Beck 22-5012-59).....	1,708.13	
23 09 23 00-2475 EA Control Option 9 Actuators, 7 Amp. Fuse for DCM (Pack of 5), Spare Part (Beck 11-1373-01).....	20.03	
23 09 23 00-2476 EA Control Option 5 To 8 Actuators, Film Potentiometer, Spare Part (Beck 20-3060-03).....	277.31	
23 09 23 00-2477 EA Control Option 5 To 8 Actuators, ESR-4 Analog Input Board, Spare Part (Beck 13-2245-xx).....	1,101.85	
23 09 23 00-2478 EA Control Option 5 To 8 Actuators, 6 Amp. Fuse for ESR (Pack of 5), Spare Part (Beck 13-2230-03).....	30.16	
23 09 23 00-2479 EA Model 11-150 Gasket Replacement Kit, Spare Part (Beck 20-3110-01).....	15.29	
23 09 23 00-2480 EA Model 11-200/300 Gasket Replacement Kit, Spare Part (Beck 20-3110-02).....	13.71	
23 09 23 00-2481 EA Model 11-400 Gasket Replacement Kit, Spare Part (Beck 20-3110-03).....	18.66	
23 09 23 00-2482 EA Model 11-150 SLM Friction Kit, Spare Part (Beck 12-8060-05).....	9.60	
23 09 23 00-2483 EA Model 11-200/300 SLM Friction Kit, Spare Part (Beck 12-8060-07).....	9.60	
23 09 23 00-2484 EA Model 11-150/11-160 Control Motor, Spare Part (Beck 20-2700-20 ).....	761.28	
23 09 23 00-2485 EA Model 11-150/11-160 Resistor, Spare Part (Beck 11-5802-03).....	20.67	
23 09 23 00-2486 EA Model 11-150/11-160 Capacitor, Spare Part (Beck 14-2840-02).....	22.25	
23 09 23 00-2487 EA Model 11-150/11-160 Control Motor, Spare Part (Beck 20-2701-20).....	861.44	
23 09 23 00-2488 EA Model 11-150/11-160 Resistor, Spare Part (Beck 11-5802-02).....	20.67	
23 09 23 00-2489 EA Model 11-150/11-160 Capacitor, Spare Part (Beck 14-2840-11).....	23.46	
23 09 23 00-2490 EA Model 11-200 Control Motor, Spare Part (Beck 20-2704-21).....	933.14	
23 09 23 00-2491 EA Model 11-200 Resistor, Spare Part (Beck 20-1971-13).....	59.05	
23 09 23 00-2492 EA Model 11-200 Capacitor, Spare Part (Beck 14-2840-16).....	26.47	
23 09 23 00-2493 EA Model 11-300 Control Motor, Spare Part (Beck 20-2705-21).....	1,159.84	
23 09 23 00-2494 EA Model 11-300 Resistor, Spare Part (Beck 20-1971-12).....	76.76	
23 09 23 00-2495 EA Model 11-300 Capacitor, Spare Part (Beck 14-2840-05).....	26.47	
23 09 23 00-2496 EA Model 11-400 Control Motor, Spare Part (Beck 20-2201-31).....	3,218.03	
23 09 23 00-2497 EA Model 11-400 Resistor, Spare Part (Beck 20-1971-03).....	101.49	
23 09 23 00-2498 EA Model 11-400 Capacitor, Spare Part (Beck 14-2840-17).....	42.81	
23 09 23 00-2499 EA Model 11-400 Control Motor, Spare Part (Beck 20-2201-32).....	4,289.30	
23 09 23 00-2500 EA Model 11-400 Resistor, Spare Part (Beck 20-1971-04).....	142.61	
23 09 23 00-2501 EA Model 11-400 Capacitor, Spare Part (Beck 14-2840-15).....	55.99	
23 09 23 00-2502 EA Model 11-400 Control Motor, Spare Part (Beck 20-2201-33).....	4,950.41	
23 09 23 00-2503 EA Model 11-400 Resistor, Spare Part (Beck 20-1971-06).....	140.55	
23 09 23 00-2504 EA Model 11-400 Capacitor, Spare Part (Beck 14-2840-09).....	22.25	
23 09 23 00-2505 EA Model 11-400 Capacitor, Spare Part (Beck 14-2840-15).....	55.99	
<b>23 09 23 00-2506 Group 29, Beck Valve And Damper Actuators</b> <small>(23 09 23 00-2125)</small>		
<b>23 09 23 00-2507 Linear, Group 29 Actuators</b> <small>(23 09 23 00-2506)</small>		
Note: Labor is excluded from the actuator material tasks. Separate labor tasks are available based on valve size.		
23 09 23 00-2508 EA Modulating Control, 1,000 LB Thrust, 10 Seconds/Inch, Linear Valve Actuator (Beck 29-109).....	5,751.75	
For 240 VAC, Add	195.06	
23 09 23 00-2509 EA Modulating Control, 1,700 LB Thrust, 10 Seconds/Inch, Linear Valve Actuator (Beck 29-259).....	7,158.32	
For 240 VAC, Add	195.06	
23 09 23 00-2510 EA Modulating Control, 2,100 LB Thrust, 12.4 Seconds/Inch, Linear Valve Actuator (Beck 29-259).....	7,158.32	
For 240 VAC, Add	195.06	
23 09 23 00-2511 EA Modulating Control, 2,700 LB Thrust, 15 Seconds/Inch, Linear Valve Actuator (Beck 29-259).....	7,158.32	
For 240 VAC, Add	195.06	
23 09 23 00-2512 EA Modulating Control, 2,100 LB Thrust, 9.4 Seconds/Inch, Linear Valve Actuator (Beck 29-609).....	8,642.92	
For 240 VAC, Add	223.53	
23 09 23 00-2513 EA Modulating Control, 2,600 LB Thrust, 11.6 Seconds/Inch, Linear Valve Actuator (Beck 29-609).....	8,642.92	
For 240 VAC, Add	223.53	
23 09 23 00-2514 EA Modulating Control, 3,200 LB Thrust, 14 Seconds/Inch, Linear Valve Actuator (Beck 29-609).....	8,642.92	
For 240 VAC, Add	223.53	
23 09 23 00-2515 EA Modulating Control, 4,100 LB Thrust, 9.4 Seconds/Inch, Linear Valve Actuator (Beck 29-609).....	10,413.25	
For 240 VAC, Add	223.53	
23 09 23 00-2516 EA Modulating Control, 5,000 LB Thrust, 11.6 Seconds/Inch, Linear Valve Actuator (Beck 29-609).....	10,413.25	
For 240 VAC, Add	223.53	
23 09 23 00-2517 EA Modulating Control, 6,100 LB Thrust, 14 Seconds/Inch, Linear Valve Actuator (Beck 29-609).....	10,413.25	
For 240 VAC, Add	223.53	
23 09 23 00-2518 EA On/Off Control, 1,000 LB Thrust, 10 Seconds/Inch, Linear Valve Actuator (Beck 29-103).....	3,795.84	
For 240 VAC, Add	195.06	
23 09 23 00-2519 EA On/Off Control, 1,700 LB Thrust, 10 Seconds/Inch, Linear Valve Actuator (Beck 29-253).....	5,412.24	
For 240 VAC, Add	195.06	
23 09 23 00-2520 EA On/Off Control, 2,100 LB Thrust, 12.4 Seconds/Inch, Linear Valve Actuator (Beck 29-253).....	5,412.24	
For 240 VAC, Add	195.06	
23 09 23 00-2521 EA On/Off Control, 2,700 LB Thrust, 15 Seconds/Inch, Linear Valve Actuator (Beck 29-253).....	5,412.24	
For 240 VAC, Add	195.06	
23 09 23 00-2522 EA On/Off Control, 2,100 LB Thrust, 9.4 Seconds/Inch, Linear Valve Actuator (Beck 29-603).....	7,143.56	
For 240 VAC, Add	223.53	
23 09 23 00-2523 EA On/Off Control, 2,600 LB Thrust, 11.6 Seconds/Inch, Linear Valve Actuator (Beck 29-603).....	7,143.56	
For 240 VAC, Add	223.53	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-2524 EA On/Off Control, 3,200 LB Thrust, 14 Seconds/Inch, Linear Valve Actuator (Beck 29-603) .....	7,143.56	
For 240 VAC, Add	223.53	
23 09 23 00-2525 EA On/Off Control, 4,100 LB Thrust, 9.4 Seconds/Inch, Linear Valve Actuator (Beck 29-603) .....	8,864.34	
For 240 VAC, Add	223.53	
23 09 23 00-2526 EA On/Off Control, 5,000 LB Thrust, 11.6 Seconds/Inch, Linear Valve Actuator (Beck 29-603) .....	8,864.34	
For 240 VAC, Add	223.53	
23 09 23 00-2527 EA On/Off Control, 6,100 LB Thrust, 14 Seconds/Inch, Linear Valve Actuator (Beck 29-603) .....	8,864.34	
For 240 VAC, Add	223.53	
23 09 23 00-2528 EA Labor To Install Linear Actuator On Contractor Supplied Up To 1-1/2" Fisher Valve.....	186.14	93.11
23 09 23 00-2529 EA Labor To Install Linear Actuator On Contractor Supplied >1-1/2" To 6" Fisher Valve.....	266.12	133.01
23 09 23 00-2530 EA Labor To Install Linear Actuator On Contractor Supplied >6" Fisher Valve .....	555.51	277.86
23 09 23 00-2531 EA Labor To Install Linear Actuator On Contractor Supplied Up To 1-1/2" Other Brand Valve .....	245.04	122.67
23 09 23 00-2532 EA Labor To Install Linear Actuator On Contractor Supplied >1-1/2" To 6" Other Brand Valve .....	325.02	162.58
23 09 23 00-2533 EA Labor To Install Linear Actuator On Contractor Supplied >6" Other Brand Valve.....	615.12	307.42
23 09 23 00-2534 EA Labor To Install Linear Actuator On Owner Supplied Up To 1-1/2" Fisher Valve.....	230.49	115.28
23 09 23 00-2535 EA Labor To Install Linear Actuator On Owner Supplied >1-1/2" To 6" Fisher Valve .....	330.83	165.53
23 09 23 00-2536 EA Labor To Install Linear Actuator On Owner Supplied >6" Fisher Valve.....	697.29	348.80
23 09 23 00-2537 EA Labor To Install Linear Actuator On Owner Supplied Up To 1-1/2" Other Brand Valve .....	310.47	155.19
23 09 23 00-2538 EA Labor To Install Linear Actuator On Owner Supplied >1-1/2" To 6" Other Brand Valve.....	396.27	198.04
23 09 23 00-2539 EA Labor To Install Linear Actuator On Owner Supplied >6" Other Brand Valve .....	765.63	382.79
<b>23 09 23 00-2540 Group 29 Spare Parts (23 09 23 00-2506)</b>		
23 09 23 00-2541 EA Model 29, 3.0 N-m Motor With SLM (Motor 20-2703-46) (Beck 12-8063-31) .....	1,404.46	
23 09 23 00-2542 EA Model 29, Resistor/Capacitor (Beck 12-8063-11) .....	118.09	
23 09 23 00-2543 EA Model 29, 6.0 N-m Motor With SLM (Motor 20-2703-47) (Beck 12-8063-21) .....	2,251.14	
23 09 23 00-2544 EA Model 29, Resistor/Capacitor (Beck 12-8063-13) .....	103.33	
23 09 23 00-2545 EA Model 29, 7.0 N-m Motor With SLM (Motor 20-2201-42) (Beck 12-8063-41) .....	2,317.57	
23 09 23 00-2546 EA Model 29, Resistor/Capacitor (Beck 12-8063-15) .....	150.78	
23 09 23 00-2547 EA Model 29, 14.0 N-m Motor With SLM (Motor 20-2201-46) (Beck 12-8063-51) .....	3,769.48	
23 09 23 00-2548 EA Model 29, Resistor/Capacitor (Beck 12-8063-17) .....	238.14	
23 09 23 00-2549 EA Model 29, Handswitch (Option 3) (Handswitch 20-3310-15) (Beck 12-8063-19) .....	269.08	
23 09 23 00-2550 EA Model 29, Handswitch (Option 9) (Handswitch 20-3310-16) (Beck 12-8063-20) .....	269.08	
23 09 23 00-2551 EA Model 29, Limit Switch (Beck 12-8063-55) .....	162.38	
23 09 23 00-2552 EA Model 29, Digital Control Module (DCM) (Beck 12-8063-02) .....	1,734.49	
23 09 23 00-2553 EA Model 29, Control End (Option 3) (23-2501-01) (Beck 12-8063-25) .....	975.85	
23 09 23 00-2554 EA Model 29, Control End (Option 9) (23-2500-02) (Beck 12-8063-05) .....	980.38	
23 09 23 00-2555 EA Model 29, Switch Assembly, CPS-4 (20-3200-21) (Beck 12-8063-06) .....	337.41	
23 09 23 00-2556 EA Model 29, PC Board, CPS-4 (Beck 12-8063-07).....	1,079.71	
<b>23 09 23 00-2557 Options, Beck Valve And Damper Actuators (23 09 23 00-2125)</b>		
23 09 23 00-2558 EA Auxiliary Handswitch Contact Option .....	101.22	
Note: One of two special handswitches can be supplied that includes an extra set of two contacts. Specify contact closed or open in AUTO.		
23 09 23 00-2559 EA Lockable Handswitch Option .....	110.71	
Note: Includes a riveted plate and knob with rings that allow use of a customer supplied padlock.		
23 09 23 00-2560 EA Metal Tags Option.....	28.79	
Note: Stainless Steel tag may be riveted or wired to drive to include customer specified tag information		
23 09 23 00-2561 EA Tropicalization Option.....	620.51	
Note: Protective varnish applied to organic material, and internal body cavities are painted. Inhibits fungus growth.		
23 09 23 00-2562 EA DPDT Relay Option .....	254.11	
Note: Relay may be used for control override (e.g. BLRBAC), or to provide dry contacts for alarm annunciation.		
23 09 23 00-2563 EA 2-Wire Control Option.....	254.11	
Note: Uses DPDT relay to provide open/close control (option 3/5 only).		
23 09 23 00-2564 EA Model 11-150, Stall Protection Module Option.....	231.97	
Note: Provides shutoff and annunciation on stall or power failure.		
23 09 23 00-2565 EA Model 11-200/300/400, 14-100, Stall Protection Module Option.....	422.81	
Note: Provides shutoff and annunciation on stall or power failure.		
23 09 23 00-2566 EA Current Draw <1 Amp, Relay Board (Beck 13-2245-50) Option .....	1,099.74	
Note: Add solid state relay board to option 3/5/6 drive:		
23 09 23 00-2567 EA 24 VDC Pulsed Operation, Relay Board (Beck 13-2245-51) Option .....	1,099.74	
Note: Add solid state relay board to option 3/5/6 drive:		
23 09 23 00-2568 EA Foundation Fieldbus Or Profibus PA DCM-2 Option.....	1,012.22	
Note: The drive may be ordered with a DCM capable of communicating via Foundation Fieldbus or Profibus PA instead of 4-20 mA/HART.		
23 09 23 00-2569 EA Model 11-400 Three Phase Power Option .....	789.75	
Note: Integral transformer, 480 VAC, consult factory for other voltages.		
23 09 23 00-2570 EA Model 11-150/200/300 Three Phase Power Option .....	363.77	
Note: Integral transformer, 480 VAC, consult factory for other voltages.		
23 09 23 00-2571 EA Model 11-430 Three Phase Power Option.....	846.16	
Note: Integral transformer, 480 VAC, consult factory for other voltages.		
23 09 23 00-2572 EA Metric Conduit Adaptors (Beck 20-0200-00).....	58.62	
Note: Converts NPT threads to M20/M25.		
23 09 23 00-2573 EA Adjustable 1/2 To 1-1/2", Model 11-150 Crank Arm Option (Beck 10-3491-25).....	146.56	
23 09 23 00-2574 EA Adjustable 5" To 7", Model 11-150 Crank Arm Option (Beck 10-3491-24) .....	146.56	
23 09 23 00-2575 EA Adjustable 7" To 11-1/2", Model 11-150 Crank Arm Option (Beck 10-3491-12) .....	146.56	
23 09 23 00-2576 EA Adjustable 1" To 3-5/8", Model 11-200 Crank Arm Option (Beck 14-7330-28) .....	151.83	
23 09 23 00-2577 EA Adjustable 7-1/2" To 10", Model 11-200 Crank Arm Option (Beck 14-7330-29) .....	151.83	
23 09 23 00-2578 EA Adjustable 10" To 15-1/4", Model 11-200 Crank Arm Option (Beck 14-7330-27) .....	151.83	
23 09 23 00-2579 EA Adjustable 1" To 3-5/8", Model 11-300 Crank Arm Option (Beck 14-8010-36) .....	163.43	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 09 23 00-2580	EA		Adjustable 7-1/2" To 10", Model 11-300 Crank Arm Option (Beck 14-8010-37).....	163.43	
	23 09 23 00-2581	EA		Adjustable 10" To 15-1/4", Model 11-300 Crank Arm Option (Beck 14-8010-35).....	163.43	
	23 09 23 00-2582	EA		Adjustable 2-3/4" To 6", Model 11-400 Crank Arm Option (Beck 14-8018-04).....	518.76	
	23 09 23 00-2583	EA		Adjustable 12" To 16", Model 11-400 Crank Arm Option (Beck 14-8018-05).....	518.76	
<b>23 09 23 00-2584</b>	<b>Linkages, Beck Valve And Damper Actuators (23 09 23 00-2125)</b>					
	23 09 23 00-2585	EA		Drive Model 11-150, 1" Pipe Size, Pipe Linkage Kit (Beck 20-1730-05).....	245.68	
	23 09 23 00-2586	EA		Drive Model 11-200, 1" Pipe Size, Pipe Linkage Kit (Beck 20-1730-05).....	245.68	
	23 09 23 00-2587	EA		Drive Model 11-300, 1" Pipe Size, Pipe Linkage Kit (Beck 20-1730-06).....	245.68	
	23 09 23 00-2588	EA		Drive Model 11-400, 1" Pipe Size, Pipe Linkage Kit (Beck 20-1730-07).....	245.68	
	23 09 23 00-2589	EA		Drive Model 11-150, 1-1/2" Pipe Size, Pipe Linkage Kit (Beck 20-1740-06).....	296.29	
	23 09 23 00-2590	EA		Drive Model 11-200, 1-1/2" Pipe Size, Pipe Linkage Kit (Beck 20-1740-06).....	296.29	
	23 09 23 00-2591	EA		Drive Model 11-300, 1-1/2" Pipe Size, Pipe Linkage Kit (Beck 20-1740-07).....	294.55	
	23 09 23 00-2592	EA		Drive Model 11-400, 1-1/2" Pipe Size, Pipe Linkage Kit (Beck 20-1740-08).....	296.29	
	23 09 23 00-2593	EA		Drive Model 11-200, 2" Pipe Size, Pipe Linkage Kit (Beck 20-1750-05).....	369.04	
	23 09 23 00-2594	EA		Drive Model 11-300, 2" Pipe Size, Pipe Linkage Kit (Beck 20-1750-06).....	369.04	
	23 09 23 00-2595	EA		Drive Model 11-400, 2" Pipe Size, Pipe Linkage Kit (Beck 20-1750-07).....	369.04	
	23 09 23 00-2596	EA		Drive Model 11-430, 2" Pipe Size, Pipe Linkage Kit (Beck 20-1760-13).....	704.34	
	23 09 23 00-2597	EA		Drive Model 22-X09, 2" Pipe Size, Pipe Linkage Kit (Beck 20-1760-13).....	704.34	
	23 09 23 00-2598	EA		Drive Model 11-200, 2-1/2" Pipe Size, Pipe Linkage Kit (Beck 20-1760-05).....	419.65	
	23 09 23 00-2599	EA		Drive Model 11-300, 2-1/2" Pipe Size, Pipe Linkage Kit (Beck 20-1760-06).....	419.65	
	23 09 23 00-2600	EA		Drive Model 11-400, 2-1/2" Pipe Size, Pipe Linkage Kit (Beck 20-1760-07).....	419.65	
	23 09 23 00-2601	EA		Drive Model 11-430, 3" Pipe Size, Pipe Linkage Kit (Beck 20-1760-10).....	1,006.95	
	23 09 23 00-2602	EA		Drive Model 11-430, 3" Pipe Size, Pipe Linkage Kit (Beck 20-1760-09).....	1,006.95	
	23 09 23 00-2603	EA		Drive Model 22-X09, 3" Pipe Size, Pipe Linkage Kit (Beck 20-1760-10).....	1,006.95	
	23 09 23 00-2604	EA		Drive Model 22-X09, 3" Pipe Size, Pipe Linkage Kit (Beck 20-1760-09).....	1,006.95	
	23 09 23 00-2605	EA		Drive Model 11-150 And 11-200, 9-1/2" To 11-1/2" Link Length (Beck 14-8300-22).....	218.26	
	23 09 23 00-2606	EA		Drive Model 11-150 And 11-201, 10-1/2" To 14-1/2" Link Length (Beck 14-8300-32).....	218.26	
	23 09 23 00-2607	EA		Drive Model 11-150 And 11-201, 14-1/2" To 18-1/2" Link Length (Beck 14-8300-04).....	218.26	
	23 09 23 00-2608	EA		Drive Model 11-150 And 11-201, 18" To 22" Link Length (Beck 14-8300-06).....	218.26	
	23 09 23 00-2609	EA		Drive Model 11-150 And 11-201, 22" To 26" Link Length (Beck 14-8300-16).....	218.26	
	23 09 23 00-2610	EA		Drive Model 11-300, 13-1/2" To 18" Link Length (Beck 14-8860-24).....	240.40	
	23 09 23 00-2611	EA		Drive Model 11-300, 17-1/2" To 22" Link Length (Beck 14-8860-08).....	240.40	
	23 09 23 00-2612	EA		Drive Model 11-300, 22" To 26-1/2" Link Length (Beck 14-8860-02).....	240.40	
	23 09 23 00-2613	EA		Drive Model 11-300, 26-1/2" To 31" Link Length (Beck 14-8860-04).....	240.40	
	23 09 23 00-2614	EA		Drive Model 11-400, 13-1/2" To 17-1/2" Link Length (Beck 15-0110-26).....	263.60	
	23 09 23 00-2615	EA		Drive Model 11-400, 18" To 22" Link Length (Beck 15-0110-20).....	263.60	
	23 09 23 00-2616	EA		Drive Model 11-400, 22" To 26" Link Length (Beck 15-0110-03).....	263.60	
	23 09 23 00-2617	EA		Drive Model 11-400, 26" To 30" Link Length (Beck 15-0110-22).....	263.60	
	23 09 23 00-2618	EA		Drive Model 11-400, 29" To 33" Link Length (Beck 15-0110-02).....	263.60	
<b>23 09 23 00-2619</b>	<b>Mounting Pedestals, Beck Valve And Damper Actuators (23 09 23 00-2125)</b>					
	23 09 23 00-2620	EA		Model 11-150, 6-1/2" High, Generic Mounting Pedestals For Foot-Mounted Actuator (Beck 20-2815-63).....	606.28	
	23 09 23 00-2621	EA		Model 11-200/11-300, 8" High, Generic Mounting Pedestals For Foot-Mounted Actuator (Beck 20-2815-11).....	648.46	
	23 09 23 00-2622	EA		Model 11-400, 9-3/4" High, Generic Mounting Pedestals For Foot-Mounted Actuator (Beck 20-2815-08).....	748.62	
<b>23 09 23 00-2623</b>	<b>Hazardous Location Options, Beck Valve And Damper Actuators (23 09 23 00-2125)</b>					
	23 09 23 00-2624	EA		Class 2, Div 2, Groups F And G Or ATEX Zone 22 Option (Beck 11-XXX).....	289.96	
	23 09 23 00-2625	EA		Class 1, Div 2, Groups C And D Or ATEX Zone 2 And 22 Option (Beck 11E-XXX).....	864.61	
	23 09 23 00-2626	EA		Most Model 11's Rapid Response Program.....	948.96	
	23 09 23 00-2627	EA		Models 22-309/409/809 Rapid Response Program.....	2,235.33	
<b>23 09 23 00-2628</b>	<b>Trident Electro-Hydraulic Actuators (23 09 23 00-1033)</b>					
<b>23 09 23 00-2629</b>	<b>Trident Electro-Hydraulic Actuators for Cone Valves (23 09 23 00-2628)</b>					
	Note: Trident Fail Close Actuator meeting NEMA 4X and NEMA 6 standards includes 304 stainless steel enclosure and baseplate. Carbon steel mounting bracket. Power 120, 220, 480 VAC					
	23 09 23 00-2630	EA		Fail-Close Electro-Hydraulic Actuator For 6" And 8" Cone Valve Size (Trident Model 3500).....	94,643.34	436.26
				For Control Panel, NEMA 12 Relay Logic (Trident 3500 MCP), Add	17,780.46	
				For Control Panel with HMI and PLC with Position Feedback (Trident 3500 MCP), Add	26,523.66	
				For Submersible Cable Per Foot (Trident A-41572), Add	20.48	
				Note: Pre-wired to Actuator.		
				For On Site Commissioning Start-Up, Add	1,639.35	
				For Preparation And Delivery Training, Add	1,639.35	
				For Mount And Set Up Valve/Actuator In MIH Shop, Add	1,912.58	
				For Testing: Operation and Submersible, Witness, Add	2,404.38	
	23 09 23 00-2631	EA		Fail-Close Electro-Hydraulic Actuator H-100 For 1/4 Turn Valve, For 12", 14" And 16" Cone Valve Size (Trident Model 3500).....	65,049.99	654.39
				For Control Panel, NEMA 12 Relay Logic (Trident 3500 MCP), Add	17,780.46	
				For Control Panel with HMI and PLC with Position Feedback (Trident 3500 MCP), Add	26,523.66	
				For Submersible Cable Per Foot (Trident A-41572), Add	20.48	
				Note: Pre-wired to Actuator.		
				For On Site Commissioning Start-Up, Add	1,639.35	
				For Preparation And Delivery Training, Add	1,639.35	
				For Mount And Set Up Valve/Actuator In MIH Shop, Add	1,912.58	
				For Testing: Operation and Submersible, Witness, Add	2,404.38	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-2632	EA		Fail-Close Electro-Hydraulic Actuator H-125 For 1/4 Turn Valve, For 20" And 24" Cone Valve Size (Trident Model 3500) .....	71,850.79	908.88
			<i>For Control Panel, NEMA 12 Relay Logic (Trident 3500 MCP), Add</i> .....	17,780.46	
			<i>For Control Panel with HMI and PLC with Position Feedback (Trident 3500 MCP), Add</i> .....	26,523.66	
			<i>For Submersible Cable Per Foot (Trident A-41572), Add</i> .....	20.48	
			<i>Note: Pre-wired to Actuator.</i>		
			<i>For On Site Commissioning Start-Up, Add</i> .....	1,639.35	
			<i>For Preparation And Delivery Training, Add</i> .....	1,639.35	
			<i>For Mount And Set Up Valve/Actuator In MIH Shop, Add</i> .....	1,912.58	
			<i>For Testing: Operation and Submersible, Witness, Add</i> .....	2,404.38	
23 09 23 00-2633	EA		Fail-Close Electro-Hydraulic Actuator H-160 For 1/4 Turn Valve, For 30" And 36" Cone Valve Size (Trident Model 3500) .....	83,260.21	1,017.94
			<i>For Control Panel, NEMA 12 Relay Logic (Trident 3500 MCP), Add</i> .....	17,780.46	
			<i>For Control Panel with HMI and PLC with Position Feedback (Trident 3500 MCP), Add</i> .....	26,523.66	
			<i>For Submersible Cable Per Foot (Trident A-41572), Add</i> .....	20.48	
			<i>Note: Pre-wired to Actuator.</i>		
			<i>For On Site Commissioning Start-Up, Add</i> .....	1,639.35	
			<i>For Preparation And Delivery Training, Add</i> .....	1,639.35	
			<i>For Mount And Set Up Valve/Actuator In MIH Shop, Add</i> .....	1,912.58	
			<i>For Testing: Operation and Submersible, Witness, Add</i> .....	2,404.38	
23 09 23 00-2634	EA		Fail-Close Electro-Hydraulic Actuator For 42" And 48" Cone Valve Size (Trident Model 3500) .....	96,024.83	1,127.01
<b>23 09 23 00-2635</b>			<b>Trident Electro-Hydraulic Actuators for Ball, Plug or Butterfly Valves</b> <small>(23 09 23 00-2628)</small>		
			Note: Trident Fail Close 1/4 turn Actuator meeting NEMA 4X and NEMA 6 standards includes 304 stainless steel enclosure and baseplate. Carbon steel coupling and mounting bracket. Power 120, 220, 480 VAC		
23 09 23 00-2636	EA		5,202 Max. Lbs Of Torque, Fail-Close Electro-Hydraulic Actuator H-80 For 1/4 Turn Valve (Trident Model 2500) .....	42,561.19	436.26
			<i>For Control Panel, NEMA 12 Relay Logic (Trident 2500 MCP), Add</i> .....	16,687.56	
			<i>For Submersible Cable Per Foot (Trident A-41572), Add</i> .....	20.48	
			<i>Note: Pre-wired to Actuator.</i>		
			<i>For On Site Commissioning Start-Up, Add</i> .....	1,639.35	
			<i>For Preparation And Delivery Training, Add</i> .....	1,639.35	
			<i>For Mount And Set Up Valve/Actuator In MIH Shop, Add</i> .....	819.68	
			<i>For Testing: Operation and Submersible, Witness, Add</i> .....	819.68	
23 09 23 00-2637	EA		10,621 Max. Lbs Of Torque, Fail-Close Electro-Hydraulic Actuator H-100 For 1/4 Turn Valve (Trident Model 2500) .....	44,329.70	654.39
			<i>For Control Panel, NEMA 12 Relay Logic (Trident 2500 MCP), Add</i> .....	16,687.56	
			<i>For Submersible Cable Per Foot (Trident A-41572), Add</i> .....	20.48	
			<i>Note: Pre-wired to Actuator.</i>		
			<i>For On Site Commissioning Start-Up, Add</i> .....	1,639.35	
			<i>For Preparation And Delivery Training, Add</i> .....	1,639.35	
			<i>For Mount And Set Up Valve/Actuator In MIH Shop, Add</i> .....	819.68	
			<i>For Testing: Operation and Submersible, Witness, Add</i> .....	819.68	
23 09 23 00-2638	EA		21,676 Max. Lbs Of Torque, Fail-Close Electro-Hydraulic Actuator H-125 For 1/4 Turn Valve (Trident Model 2500) .....	52,377.95	799.81
			<i>For Control Panel, NEMA 12 Relay Logic (Trident 2500 MCP), Add</i> .....	16,687.56	
			<i>For Submersible Cable Per Foot (Trident A-41572), Add</i> .....	20.48	
			<i>Note: Pre-wired to Actuator.</i>		
			<i>For On Site Commissioning Start-Up, Add</i> .....	1,639.35	
			<i>For Preparation And Delivery Training, Add</i> .....	1,639.35	
			<i>For Mount And Set Up Valve/Actuator In MIH Shop, Add</i> .....	819.68	
			<i>For Testing: Operation and Submersible, Witness, Add</i> .....	819.68	
23 09 23 00-2639	EA		36,127 Max. Lbs Of Torque, Fail-Close Electro-Hydraulic Actuator H-160 For 1/4 Turn Valve (Trident Model 2500) .....	63,975.35	908.88
			<i>For Control Panel, NEMA 12 Relay Logic (Trident 2500 MCP), Add</i> .....	16,687.56	
			<i>For Submersible Cable Per Foot (Trident A-41572), Add</i> .....	20.48	
			<i>Note: Pre-wired to Actuator.</i>		
			<i>For On Site Commissioning Start-Up, Add</i> .....	1,639.35	
			<i>For Preparation And Delivery Training, Add</i> .....	1,639.35	
			<i>For Mount And Set Up Valve/Actuator In MIH Shop, Add</i> .....	819.68	
			<i>For Testing: Operation and Submersible, Witness, Add</i> .....	819.68	
23 09 23 00-2640	EA		51,300 Max. Lbs Of Torque, Fail-Close Electro-Hydraulic Actuator H-180 For 1/4 Turn Valve (Trident Model 2500) .....	70,789.13	1,017.94
			<i>For Control Panel, NEMA 12 Relay Logic (Trident 2500 MCP), Add</i> .....	16,687.56	
			<i>For Submersible Cable Per Foot (Trident A-41572), Add</i> .....	20.48	
			<i>Note: Pre-wired to Actuator.</i>		
			<i>For On Site Commissioning Start-Up, Add</i> .....	1,639.35	
			<i>For Preparation And Delivery Training, Add</i> .....	1,639.35	
			<i>For Mount And Set Up Valve/Actuator In MIH Shop, Add</i> .....	819.68	
			<i>For Testing: Operation and Submersible, Witness, Add</i> .....	819.68	
<b>23 09 23 00-2641</b>			<b>Kerry Electric Actuators</b> <small>(23 09 23 00-1033)</small>		
23 09 23 00-2642	EA		24 VDC, 10" Touch Screen, Circuit Breaker Disconnect, Stainless Steel Enclosure With Sub Panel (Kerry Electric 67-SP) .....	46,072.29	1,236.07
			<i>For Explosion Proof Enclosure, Add</i> .....	8,207.68	
23 09 23 00-2643	EA		24 VDC, Reversing Motor Starter, LED Digital Display Readout, NEMA 4X Enclosure (Kerry Electric 7600) .....	11,248.39	290.84
			<i>For Explosion Proof Enclosure, Add</i> .....	8,207.68	
23 09 23 00-2644	EA		5 HP, Gas Recoil Start Motor, Skid Mounted, Portable Power Unit .....	13,235.34	363.55
23 09 23 00-2645	EA		1 HP To 20 HP, 10" To 42" Stroke, Explosion Proof Linear Actuator (Kerry Electric JM) .....	55,814.61	1,454.20
			<i>For Immersible Explosion Proof Motor, Add</i> .....	12,969.44	
			<i>For Manual Hand Pump, Add</i> .....	4,469.96	
			<i>For Failsafe System Design For One Action Of Failsafe, Add</i> .....	10,781.46	
			<i>For Explosion Proof And Submersible To 30' Indefinitely, Add</i> .....	10,815.34	
23 09 23 00-2646	EA		1 HP To 20 HP, Explosion Proof, Rotary Actuator (Kerry Electric KRM) .....	71,882.81	1,890.47
23 09 23 00-2647	EA		Kerry Company Service And Training .....	3,263.40	
<b>23 09 23 00-2648</b>			<b>Eccentric Plug Rotary Control Valve (Ranger QCT)</b> <small>(23 09 23 00-1033)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-2649 EA 1" Eccentric Plug Rotary Control Valve (Ranger QCT 150#ST7PMVFC)..... Note: Carbon steel Cashco Model 48 actuators 5-15 PSIG bench 150# RF integral flanged; horizontal mounting position "A", ATO/FC standard flow; ST7 trim and standard packing; full port seal retainer, no insert; VDI/VE 3845 mounting (NAMUR mounting) universal mounting; with handwheel; standard commercial epoxy, standard commercial cleaning SS components not epoxy painted mounted with a PMV P5 low bleed positioner and Controlair 300 filter regulator.	2,850.85	90.26
23 09 23 00-2650 EA 1-1/2" Eccentric Plug Rotary Control Valve (Ranger QCT 150#ST7PMVFC)..... Note: Carbon steel Cashco Model 48 actuators 5-15 PSIG bench 150# RF integral flanged; horizontal mounting position "A", ATO/FC standard flow; ST7 trim and standard packing; full port seal retainer, no insert; VDI/VE 3845 mounting (NAMUR mounting) universal mounting; with handwheel; standard commercial epoxy, standard commercial cleaning SS components not epoxy painted mounted with a PMV P5 low bleed positioner and Controlair 300 filter regulator.	3,542.85	90.26
23 09 23 00-2651 EA 2" Eccentric Plug Rotary Control Valve (Ranger QCT 150#ST7PMVFC)..... Note: Carbon steel body mounted with Cashco Model 148 actuator, 10-26 PSIG bench 150# RF integral flanged body; horizontal mounting position "A", ATO/FC standard flow; ST7 trim and standard packing; full port seal retainer; no insert; standardized mounting kit per IEC 60534-6-2, PMV P5 low bleed positioner, Controlair filter regulator. Mounted. Assembly tested prior to shipping.	4,131.85	90.26
23 09 23 00-2652 EA 3" Eccentric Plug Rotary Control Valve (Ranger QCT 150#ST7PMVFC)..... Note: Carbon steel body may be mounted with Cashco Model 148 actuator, 5-13 PSIG bench 150 LB RF integral flanged body; horizontal mounting position "A", ATO/FC standard flow; ST7 trim and standard packing; full port seal retainer, no insert; standardized mounting kit per IEC 60534-6-2, PMV P5 low bleed positioner, Controlair filter regulator. Mounted. Assembly tested prior to shipping.	5,143.07	115.11
23 09 23 00-2653 EA 4" Eccentric Plug Rotary Control Valve (Ranger QCT 150#ST7PMVFC)..... Note: Carbon steel body mounted with Cashco Model 148 actuator, 10-26 PSIG bench 150 LB RF integral flanged body; horizontal mounting position "A", ATO/FC standard flow; ST7 trim and standard packing; full port seal retainer; no insert; standardized mounting kit per IEC 60534-6-2, PMV P5 low bleed positioner, Controlair filter regulator. Mounted. Assembly tested prior to shipping.	6,777.82	192.98
23 09 23 00-2654 EA 6" Eccentric Plug Rotary Control Valve (Ranger QCT 150#ST7PMVFC)..... Note: Carbon steel body mounted with Cashco Model 148 actuator, 10-26 PSIG bench 150 LB RF integral flanged body; horizontal mounting position "A", ATO/FC standard flow; ST7 trim and standard packing; full port seal retainer; no insert; standardized mounting kit per IEC 60534-6-2, PMV P5 low bleed positioner, Controlair filter regulator. Mounted. Assembly tested prior to shipping.	10,392.79	243.76
23 09 23 00-2655 EA 8" Eccentric Plug Rotary Control Valve (Ranger QCT 150#ST7PMVFC)..... Note: Carbon steel body mounted with Cashco Model 148 actuator, 10-26 PSIG bench 150 LB RF integral flanged body; horizontal mounting position "A", ATO/FC standard flow; ST7 trim and standard packing; full port seal retainer; no insert; standardized mounting kit per IEC 60534-6-2, PMV P5 low bleed positioner, Controlair filter regulator. Mounted. Assembly tested prior to shipping.	11,375.92	311.48
23 09 23 00-2656 EA 1" Eccentric Plug Rotary Control Valve (Ranger QCT 150#ST7RCEL005LPCUCPT)..... Note: Carbon steel Cashco 150 LB RF integral flanged; ST7 trim and standard packing; ISO yoke mounting, full port seal retainer, no insert; standard commercial epoxy, standard commercial cleaning SST components not epoxy painted. To include a RCEL-005L electric actuator with 4-20 mA control and feedback module. 120 VAC power.	2,782.85	90.26
23 09 23 00-2657 EA 1-1/2" Eccentric Plug Rotary Control Valve (Ranger QCT 150#ST7RCEL005LPCUCPT)..... Note: Carbon steel Cashco 150 LB RF integral flanged; ST7 trim and standard packing; ISO yoke mounting, full port seal retainer, no insert; standard commercial epoxy, standard commercial cleaning SST components not epoxy painted. To include a RCEL-005L electric actuator with 4-20 mA control and feedback module. 120 VAC power.	3,471.85	90.26
23 09 23 00-2658 EA 2" Eccentric Plug Rotary Control Valve (Ranger QCT 150#ST7RCEL005LPCUCT)..... Note: Carbon steel body, 150 LB RF integral flanged body; body sub-assembly with yoke for mounting ISO 5211 actuator stem assembly, standard flow direction; ST7 trim and standard packing; full port seal retainer, no insert; standard commercial epoxy, standard commercial cleaning SST components not epoxy painted; mounted complete with a remote control RCEL-005L electric actuator with a 4-20mA positioner and 4-20 mA position feedback. 120 VAC.	4,146.85	90.26
23 09 23 00-2659 EA 3" Eccentric Plug Rotary Control Valve (Ranger QCT 150#ST7RCEL015PCUCPT)..... Note: Carbon steel body, 150 LB RF integral flanged body; body sub-assembly with yoke for mounting ISO 5211 actuator stem assembly, standard flow direction; ST7 trim and standard packing; full port seal retainer, no insert; standard commercial epoxy, standard commercial cleaning SST components not epoxy painted; mounted complete with a remote control RCEL-015 electric actuator with a 4-20 mA positioner and 4-20 mA position feedback. 120 VAC.	5,329.07	115.11
23 09 23 00-2660 EA 4" Eccentric Plug Rotary Control Valve (Ranger QCT 150#ST7RCEL015PCUCPT)..... Note: Carbon steel body, 150 LB RF integral flanged body; ST7 trim with standard packing; special construction; body sub-assembly with yoke for mounting ISO 5211 actuator; linear inherent characteristic; standard flow direction; standard commercial epoxy, standard commercial cleaning SST components not epoxy painted; full port seal retainer; mounted complete with a remote control RCEL-015 electric actuator with a 4-20 mA positioner and 4-20 mA position feedback. 120 VAC.	6,993.82	192.98
23 09 23 00-2661 EA 6" Eccentric Plug Rotary Control Valve (Ranger QCT 150#ST7RCEL038PCUCPT)..... Note: Carbon steel body, 150 LB RF integral flanged body; ST7 trim with standard packing; special construction; body sub-assembly with yoke for mounting ISO 5211 actuator; linear inherent characteristic; standard flow direction; standard commercial epoxy, standard commercial cleaning SST components not epoxy painted; full port seal retainer; mounted complete with a remote control RCEL-038 electric actuator with 4-20 mA positioner and 4-20 mA position feedback. 120 VAC.	10,962.79	243.76
23 09 23 00-2662 EA 8" Eccentric Plug Rotary Control Valve (Ranger QCT 150#ST7RCEL038PCUCPT)..... Note: Carbon steel body, 150 LB RF integral flanged body; ST7 trim with standard packing; special construction; body sub-assembly with yoke for mounting ISO 5211 actuator; linear inherent characteristic; standard flow direction; standard commercial epoxy, standard commercial cleaning SST components not epoxy painted; full port seal retainer; mounted complete with a remote control RCEL-038 electric actuator with 4-20 mA positioner and 4-20 mA position feedback. 120 VAC.	11,691.92	311.48
23 09 23 00-2663 EA 1" Eccentric Plug Rotary Control Valve (Ranger QCT 150#ST7HYTORKXL71D)..... Note: Carbon steel body 150 LB RF integral flanged; ST7 trim and standard packing; full port seal retainer, no insert; standard commercial epoxy, standard commercial cleaning. Epoxy painted. Mounted with a HYTORK XI71DA actuator sized for 60 PSI air supply and fail last position. To include a PMV P5 low bleed pneumatic positioner 3-15 PSIG signal, control air filter regulator with shutoff valve.	2,676.85	90.26
23 09 23 00-2664 EA 1-1/2" Eccentric Plug Rotary Control Valve (Ranger QCT 150#ST7HYTORKXL71)..... Note: Carbon steel body 150 LB RF integral flanged; ST7 trim and standard packing; full port seal retainer, no insert; standard commercial epoxy, standard commercial cleaning. Epoxy painted. Mounted with a HYTORK XI71DA actuator sized for 60 PSI air supply and fail last position. To include a PMV P5 low bleed pneumatic positioner 3-15 PSIG signal, control air filter regulator with shutoff valve.	3,309.85	90.26



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-2665 EA 2" Eccentric Plug Rotary Control Valve (Ranger QCT 150#ST7HYTORKXL71D)..... Note: Carbon steel body 150 LB RF integral flanged; ST7 trim and standard packing; full port seal retainer, no insert; standard commercial epoxy, standard commercial cleaning. Epoxy painted. Mounted with a HYTORK XI71DA actuator sized for 60 PSI air supply and fail last position. To include a PMV P5 low bleed pneumatic positioner 3-15 PSIG signal, control air filter regulator with shutoff valve.	3,983.85	90.26
23 09 23 00-2666 EA 3" Eccentric Plug Rotary Control Valve (Ranger QCT 150#ST7HYTORKXL426) ..... Note: Carbon steel body 150 LB RF integral flanged; ST7 trim and standard packing; full port seal retainer, no insert; standard commercial epoxy, standard commercial cleaning. Epoxy painted. Mounted with a HYTORK XI426DA actuator sized for 60 PSI air supply and fail last position. To include a PMV P5 low bleed pneumatic positioner 3-15 PSIG signal, control air filter regulator with shutoff valve.	4,749.07	115.11
23 09 23 00-2667 EA 4" Eccentric Plug Rotary Control Valve (Ranger QCT 150#ST7HYTORKXL426) ..... Note: Carbon steel body 150 LB RF integral flanged; ST7 trim and standard packing; full port seal retainer, no insert; standard commercial epoxy, standard commercial cleaning. Epoxy painted. Mounted with a HYTORK XI426DA actuator sized for 60 PSI air supply and fail last position. To include a PMV P5 low bleed pneumatic positioner 3-15 PSIG signal, control air filter regulator with shutoff valve.	6,415.82	192.98
23 09 23 00-2668 EA 6" Eccentric Plug Rotary Control Valve (Ranger QCT 150#ST7HYTORKXL681) ..... Note: Carbon steel body 150 LB RF integral flanged; ST7 trim and standard packing; full port seal retainer, no insert; standard commercial epoxy, standard commercial cleaning. Epoxy painted. Mounted with a HYTORK XI681DA actuator sized for 60 PSI air supply and fail last position. To include a PMV P5 low bleed pneumatic positioner 3-15 PSIG signal, control air filter regulator with shutoff valve.	10,443.79	243.76
23 09 23 00-2669 EA 8" Eccentric Plug Rotary Control Valve (Ranger QCT 150#ST7HYTORKXL681) ..... Note: Carbon steel body 150 LB RF integral flanged; ST7 trim and standard packing; full port seal retainer, no insert; standard commercial epoxy, standard commercial cleaning. Epoxy painted. Mounted with a HYTORK XI681DA actuator sized for 60 PSI air supply and fail last position. To include a PMV P5 low bleed pneumatic positioner 3-15 PSIG signal, control air filter regulator with shutoff valve.	11,172.92	311.48
<b>23 09 23 00-2670 Emerson Electric Valve Actuators (23 09 23 00-1033)</b>		
23 09 23 00-2671 EA 296 Torque LB-FT Output, 120/1/60 Volt, Manual Handwheel Override, Quarter Turn, M2CP Electric Valve Actuator (Emerson P2G1-6) ..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 stats hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	4,289.93	125.78
23 09 23 00-2672 EA 1,000 Torque LB-FT Output, 120/1/60 Volt, Manual Handwheel Override, Quarter Turn, M2CP Electric Valve Actuator (Emerson Q5G2-3)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 stats hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	4,594.21	151.24
23 09 23 00-2673 EA 2,180 Torque LB-FT Output, 120/1/60 Volt, Manual Handwheel Override, Quarter Turn, M2CP Electric Valve Actuator (Emerson R7L6-3)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 stats hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	5,803.61	151.24
23 09 23 00-2674 EA 2,525 Torque LB-FT Output, 120/1/60 Volt, Manual Handwheel Override, Quarter Turn, M2CP Electric Valve Actuator (Emerson MCG1-6) ..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 stats hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	7,376.69	191.95
23 09 23 00-2675 EA 5,000 Torque LB-FT Output, 120/1/60 Volt, Manual Handwheel Override, Quarter Turn, M2CP Electric Valve Actuator (Emerson MEF3-6)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 stats hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	8,555.61	241.40
23 09 23 00-2676 EA 7,500 Torque LB-FT Output, 120/1/60 Volt, Manual Handwheel Override, Quarter Turn, M2CP Electric Valve Actuator (Emerson MFF3-6)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 stats hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	8,850.26	263.94
23 09 23 00-2677 EA 366 Torque LB-FT Output, 460/3/60 Volt, Manual Handwheel Override, Quarter Turn, M2CP Electric Valve Actuator (Emerson P2G1-3) ..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 stats hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	4,256.19	125.78
23 09 23 00-2678 EA 1,000 Torque LB-FT Output, 460/3/60 Volt, Manual Handwheel Override, Quarter Turn, M2CP Electric Valve Actuator (Emerson Q5G2-3)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 stats hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	4,591.05	151.24
23 09 23 00-2679 EA 2,500 Torque LB-FT Output, 460/3/60 Volt, Manual Handwheel Override, Quarter Turn, M2CP Electric Valve Actuator (Emerson R7L6-3)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 stats hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	5,885.77	191.95
23 09 23 00-2680 EA 5,000 Torque LB-FT Output, 460/3/60 Volt, Manual Handwheel Override, Quarter Turn, M2CP Electric Valve Actuator (Emerson MDF3-3)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 stats hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	8,264.60	241.40
23 09 23 00-2681 EA 7,500 Torque LB-FT Output, 460/3/60 Volt, Manual Handwheel Override, Quarter Turn, M2CP Electric Valve Actuator (Emerson MEF4-3)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 stats hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	8,543.43	263.94



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-2682 EA 10,236 Torque LB-FT Output, 460/3/60 Volt, Manual Handwheel Override, Quarter Turn, M2CP Electric Valve Actuator (Emerson MEF4-3)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statsr hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	13,110.32	310.47
23 09 23 00-2683 EA 15,000 Torque LB-FT Output, 460/3/60 Volt, Manual Handwheel Override, Quarter Turn, M2CP Electric Valve Actuator (Emerson MFL5-3)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statsr hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	13,217.92	333.01
23 09 23 00-2684 EA 30,000 Torque LB-FT Output, 460/3/60 Volt, Manual Handwheel Override, Quarter Turn, M2CP Electric Valve Actuator (Emerson WJMR-3)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statsr hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	15,578.97	404.99
23 09 23 00-2685 EA 54,430 Torque LB-FT Output, 460/3/60 Volt, Manual Handwheel Override, Quarter Turn, M2CP Electric Valve Actuator (Emerson WKS3-3)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statsr hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	28,869.64	473.34
23 09 23 00-2686 EA 296 Torque LB-FT Output, 120/1/60 Volt, Manual Handwheel Override, Quarter Turn, TEC Electric Valve Actuator (Emerson P2G1-6)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statsr hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	5,038.56	125.78
23 09 23 00-2687 EA 1,000 Torque LB-FT Output, 120/1/60 Volt, Manual Handwheel Override, Quarter Turn, TEC Electric Valve Actuator (Emerson P2G1-6)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statsr hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	5,377.63	151.24
23 09 23 00-2688 EA 2,180 Torque LB-FT Output, 120/1/60 Volt, Manual Handwheel Override, Quarter Turn, TEC Electric Valve Actuator (Emerson P2G1-6)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statsr hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	6,587.03	151.24
23 09 23 00-2689 EA 2,525 Torque LB-FT Output, 120/1/60 Volt, Manual Handwheel Override, Quarter Turn, TEC Electric Valve Actuator (Emerson P2G1-6)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statsr hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	8,553.40	191.95
23 09 23 00-2690 EA 5,000 Torque LB-FT Output, 120/1/60 Volt, Manual Handwheel Override, Quarter Turn, TEC Electric Valve Actuator (Emerson P2G1-6)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statsr hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	9,732.32	241.40
23 09 23 00-2691 EA 7,500 Torque LB-FT Output, 120/1/60 Volt, Manual Handwheel Override, Quarter Turn, TEC Electric Valve Actuator (Emerson P2G1-6)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statsr hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	10,026.97	263.94
23 09 23 00-2692 EA 366 Torque LB-FT Output, 460/3/60 Volt, Manual Handwheel Override, Quarter Turn, TEC 2 Electric Valve Actuator (Emerson P2G1-3)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statsr hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	5,118.69	125.78
23 09 23 00-2693 EA 1,000 Torque LB-FT Output, 460/3/60 Volt, Manual Handwheel Override, Quarter Turn, TEC 2 Electric Valve Actuator (Emerson Q5G2-3)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statsr hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	5,534.74	151.24
23 09 23 00-2694 EA 2,500 Torque LB-FT Output, 460/3/60 Volt, Manual Handwheel Override, Quarter Turn, TEC 2 Electric Valve Actuator (Emerson R7L6-3)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statsr hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	6,676.57	191.95
23 09 23 00-2695 EA 5,000 Torque LB-FT Output, 460/3/60 Volt, Manual Handwheel Override, Quarter Turn, TEC 2 Electric Valve Actuator (Emerson MDF3-3)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statsr hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	8,041.06	241.40
23 09 23 00-2696 EA 7,500 Torque LB-FT Output, 460/3/60 Volt, Manual Handwheel Override, Quarter Turn, TEC 2 Electric Valve Actuator (Emerson MEF4-3)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statsr hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	9,326.85	263.94
23 09 23 00-2697 EA 10,236 Torque LB-FT Output, 460/3/60 Volt, Manual Handwheel Override, Quarter Turn, TEC 2 Electric Valve Actuator (Emerson MFL5-3)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statsr hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	13,893.74	310.47
23 09 23 00-2698 EA 15,000 Torque LB-FT Output, 460/3/60 Volt, Manual Handwheel Override, Quarter Turn, TEC 2 Electric Valve Actuator (Emerson MGL5-3)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statsr hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	14,730.99	333.01

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 09 Instrumentation And Control For HVAC****23 09 23 Direct-Digital Control System For HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09	23 00-2699	EA	30,000 Torque LB-FT Output, 460/3/60 Volt, Manual Handwheel Override, Quarter Turn, TEC 2 Electric Valve Actuator (Emerson WJMR-3)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [ local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 stats hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	16,362.39	404.99
23 09	23 00-2700	EA	54,430 Torque LB-FT Output, 460/3/60 Volt, Manual Handwheel Override, Quarter Turn, TEC 2 Electric Valve Actuator (Emerson WKS-3)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [ local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 stats hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	29,653.05	473.34
23 09	23 00-2701	EA	130/1,000 Torque LB-FT Output/Thrust, 460/3/60 Volt, 1.38" Max Stem Diameter, Manual Handwheel Override, Multi-turn, M2CP Electric Valve Actuator (Emerson 1DMA-3)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [ local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 stats hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	4,053.99	151.24
23 09	23 00-2702	EA	289/3,000 Torque LB-FT Output/Thrust, 460/3/60 Volt, 2.25" Max Stem Diameter, Manual Handwheel Override, Multi-turn, M2CP Electric Valve Actuator (Emerson 2FMG-3)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [ local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 stats hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	4,744.62	191.95
23 09	23 00-2703	EA	410/3,000 Torque LB-FT Output/Thrust, 460/3/60 Volt, 2.25" Max Stem Diameter, Manual Handwheel Override, Multi-turn, M2CP Electric Valve Actuator (Emerson 2GMG-3)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [ local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 stats hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	6,742.11	241.40
23 09	23 00-2704	EA	794/45,000 Torque LB-FT Output/Thrust, 460/3/60 Volt, 3" Max Stem Diameter, Manual Handwheel Override, Multi-turn, M2CP Electric Valve Actuator (Emerson 3JPK-3)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [ local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 stats hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	7,799.02	263.94
23 09	23 00-2705	EA	900/45,000 Torque LB-FT Output/Thrust, 460/3/60 Volt, 3" Max Stem Diameter, Manual Handwheel Override, Multi-turn, M2CP Electric Valve Actuator (Emerson 3KPK-3)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [ local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 stats hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	10,023.03	310.47
23 09	23 00-2706	EA	1,278/45,000 Torque LB-FT Output/Thrust, 460/3/60 Volt, 3.5" Max Stem Diameter, Manual Handwheel Override, Multi-turn, M2CP Electric Valve Actuator (Emerson 4KPN-3)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [ local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 stats hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	10,488.49	333.01
23 09	23 00-2707	EA	1,400/45,000 Torque LB-FT Output/Thrust, 460/3/60 Volt, 3.5" Max Stem Diameter, Manual Handwheel Override, Multi-turn, M2CP Electric Valve Actuator (Emerson 4LPN-3)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [ local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 stats hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	13,359.28	404.99
23 09	23 00-2708	EA	1,900/90,000 Torque LB-FT Output/Thrust, 460/3/60 Volt, 3.5" Max Stem Diameter, Manual Handwheel Override, Multi-turn, M2CP Electric Valve Actuator (Emerson 5MPU-3)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [ local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 stats hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	15,232.14	473.34
23 09	23 00-2709	EA	130/10,000 Torque LB-FT Output/Thrust, 460/3/60 Volt, 1.38" Max Stem Diameter, Manual Handwheel Override, Multi-turn, TEC 2 Electric Valve Actuator (Emerson 1DMA-3)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [ local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 stats hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	4,482.14	151.24
23 09	23 00-2710	EA	289/30,000 Torque LB-FT Output/Thrust, 460/3/60 Volt, 2.25" Max Stem Diameter, Manual Handwheel Override, Multi-turn, TEC 2 Electric Valve Actuator (Emerson 2FMG-3)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [ local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 stats hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	5,402.99	191.95
23 09	23 00-2711	EA	410/30,000 Torque LB-FT Output/Thrust, 460/3/60 Volt, 2.25" Max Stem Diameter, Manual Handwheel Override, Multi-turn, TEC 2 Electric Valve Actuator (Emerson 2GMG-3)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [ local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 stats hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	7,480.19	241.40
23 09	23 00-2712	EA	794/45,000 Torque LB-FT Output/Thrust, 460/3/60 Volt, 3" Max Stem Diameter, Manual Handwheel Override, Multi-turn, TEC 2 Electric Valve Actuator (Emerson 3JPK-3)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [ local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 stats hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	8,582.44	263.94
23 09	23 00-2713	EA	900/45,000 Torque LB-FT Output/Thrust, 460/3/60 Volt, 3" Max Stem Diameter, Manual Handwheel Override, Multi-turn, TEC 2 Electric Valve Actuator (Emerson 3KPK-3)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [ local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 stats hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	10,806.45	310.47
23 09	23 00-2714	EA	1,278/45,000 Torque LB-FT Output/Thrust, 460/3/60 Volt, 3.5" Max Stem Diameter, Manual Handwheel Override, Multi-turn, TEC 2 Electric Valve Actuator (Emerson 4KPN-3)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [ local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 stats hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	12,824.60	333.01
23 09	23 00-2715	EA	1,400/45,000 Torque LB-FT Output/Thrust, 460/3/60 Volt, 3.5" Max Stem Diameter, Manual Handwheel Override, Multi-turn, TEC 2 Electric Valve Actuator (Emerson 4LPN-3)..... Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [ local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 stats hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	13,241.31	404.99



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 00-2716	EA			1,900/90,000 Torque LB-FT Output/Thrust, 460/3/60 Volt, 3.5" Max Stem Diameter, Manual Handwheel Override, Multi-turn, TEC 2 Electric Valve Actuator (Emerson 5MPU-3).....	16,188.90	473.34
<p>Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statsr hr, 60 second operation, Nema 4, 4x, 6, IP67 standard</p>						
<b>23 09 23 00-2717 Miscellaneous Controls</b> <small>(23 09 23 00-1033)</small>						
23 09 23 00-2718	EA			24 VAC, Non Spring Return Floating Actuator.....	193.43	36.83
23 09 23 00-2719	EA			2 Stage Heat/Cool Control, 71-101 Degree Fahrenheit Cool Temperature, 64-94 Degree Fahrenheit Heat Temperature (Ranco C17-100).....	234.71	42.35
<b>23 09 23 00-2720 Melink Intelli-Hood IH3 Controls</b> <small>(23 09 23)</small>						
<b>23 09 23 00-2721 Kitchen Ventilation Controllers</b> <small>(23 09 23 00-2720)</small>						
23 09 23 00-2722	EA			Fully Programmable Kitchen Ventilation Controller (Melink Intelli-Hood 2SYS-3001).....	5,850.04	294.06
<p>Note: RS-485 communication protocol supports up to 39 Hood Controllers, 10 graphical user interface devices, 10 auxiliary power supplies, and 10 auxiliary light controllers. Modbus VFD communications interface for support of up to 64 variable frequency drives, programmable I/O points include: 3 digital inputs, 4 digital outputs, 1 analog output, and 1 analog input. BACnet over TCP/IP Interface, Real-Time Clock with battery back-up.</p>						
23 09 23 00-2723	EA			Graphical User Interface (Melink Intelli-Hood 2KPD-3001).....	1,100.29	60.65
<p>Note: Full color 2.5" display and programming interface device. RS-485 communication protocol for interface with main controller.</p>						
23 09 23 00-2724	EA			Hood Controller (Melink Intelli-Hood 2SEN-3001) .....	1,809.24	244.80
<p>Note: 6 point field I/O device, RS-485 communication protocol, supports up to 4 field temperature sensors and 1 optic sensor system.</p>						
<b>23 09 23 00-2725 Kitchen Ventilation Sensors</b> <small>(23 09 23 00-2720)</small>						
23 09 23 00-2726	EA			Duct Mount Stainless Steel RTD (Melink Intelli-Hood 2SEN-3005-Q) .....	326.29	42.35
<p>Note: Includes UL listed mounting compression fitting, stainless steel probe protection sleeve, RJ-45 communication connector.</p>						
23 09 23 00-2727	EA			Optic Sensor System For Detection Of Cooking Effluent (Melink Intelli-Hood 2SEN-3004-28) .....	2,792.13	235.25
<p>Note: Includes air purge unit, infrared emitter/receiver with stainless steel housings. Auto-calibration, 0.2 second response time, conformal-coated circuit boards, purge pipe assembly complete with UL listed compression fittings, communication interface cables and blower box assembly.</p>						
<b>23 09 23 00-2728 Reliable Controls Controllers</b> <small>(23 09 23)</small>						
23 09 23 00-2729	EA			MACH-ProWebSys Controller/Web Server (Reliable Controls MPW-S).....	9,499.00	147.03
23 09 23 00-2730	EA			HOA Switches, Potentiometer Overrides For Each Output, MACH-ProWebSys Controller/Web Server (Reliable Controls MPW-S-H).....	9,499.00	147.03
23 09 23 00-2731	EA			Certified For Smoke Control, MACH-ProWebSys Controller/Web Server (Reliable Controls MPW-S-SMK).....	10,900.29	147.03
23 09 23 00-2732	EA			HOA Switches, Potentiometer Overrides For Each Output, Certified For Smoke Control, MACH-ProWebSys Controller/Web Server (Reliable Controls MPW-S-H-SMK) .....	11,451.04	147.03
23 09 23 00-2733	EA			12 Universal Inputs And 8 Outputs, I/O Expansion Module (Reliable Controls MPP-IO).....	1,853.20	18.38
23 09 23 00-2734	EA			HOA Switches, Potentiometer Overrides For Each Output, 12 Universal Inputs And 8 Outputs, I/O Expansion Module (Reliable Controls MPP-IO-H).....	2,210.06	18.38
23 09 23 00-2735	EA			12 Universal Inputs And 8 Universal Outputs, Expansion Module (Reliable Controls MPP-IO-U).....	1,937.65	18.38
23 09 23 00-2736	EA			HOA Switches, Potentiometer Overrides For Each Output, 12 Universal Inputs And 8 Universal Outputs, Expansion Module (Reliable Controls MPP-IO-U-H) .....	2,384.92	18.38
23 09 23 00-2737	EA			Door Label Sheet For MP-S, MPS-H, MPW-S, MPW-S-H, MPP-IO, MPP-IO-H, MPP-IO-U, And MPPIO-U-H (Reliable Controls MPP-IO-DL) .....	14.49	3.68
23 09 23 00-2738	EA			24 Universal Inputs, MPP Input Expansion Module (Reliable Controls MPP-I).....	1,674.00	25.73
23 09 23 00-2739	EA			16 Universal Outputs, Output Expansion Module (Reliable Controls MPP-O).....	2,132.95	22.06
23 09 23 00-2740	EA			HOA Switches, Potentiometer Overrides For Each Output, 16 Universal Outputs, Output Expansion Module (Reliable Controls MPP-O-H) .....	3,027.49	22.06
23 09 23 00-2741	EA			Door Label Sheet For MPP-O (Reliable Controls MPP-O-DL).....	14.49	3.68
23 09 23 00-2742	EA			Relay Output Module (Package Of 10) (Reliable Controls RM).....	436.78	3.68
23 09 23 00-2743	EA			TRIAC Output Module (Package Of 10) (Reliable Controls TM).....	414.17	3.68
23 09 23 00-2744	EA			Universal Output Module (Package Of 10) (Reliable Controls UM) .....	345.18	3.68
23 09 23 00-2745	EA			SMART-Sensor Network Expansion Board (Reliable Controls SS-X) .....	277.05	18.38
23 09 23 00-2746	EA			SMART-Net Breakout Connector RJ-11 To Terminal Block(Reliable Controls SS-RJ11TB-B) .....	78.72	18.38
23 09 23 00-2747	LF			SMART-Net Breakout Connector RJ-11 To Terminal Block (Reliable Controls SS-RJ11TB-C) .....	2.66	18.38
<b>23 09 43 Pneumatic Control System For HVAC</b> <small>(23 09)</small>						
<b>23 09 43 00-0001 Pneumatic Tubing For HVAC Instrumentation and Control Devices</b> <small>(23 09 43)</small>						
<b>23 09 43 00-0002 Polyurethane Pneumatic Tubing</b> <small>(23 09 43 00-0001)</small>						
23 09 43 00-0003	LF			1/4" Outside Diameter x 1/32" Thick Wall Polyurethane Pneumatic Tubing .....	1.49	0.58
23 09 43 00-0004	LF			5/32" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing .....	1.87	0.60
23 09 43 00-0005	LF			3/8" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing .....	2.43	0.61
23 09 43 00-0006	LF			1/2" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing .....	3.06	0.63
<b>23 09 43 00-0007 Fire Resistant Polyethylene Pneumatic Tubing</b> <small>(23 09 43 00-0001)</small>						
23 09 43 00-0008	LF			1/4" Outside Diameter x .040" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing.....	1.33	0.58
23 09 43 00-0009	LF			5/32" Outside Diameter x .030" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing.....	1.42	0.60
23 09 43 00-0010	LF			3/8" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing.....	1.63	0.61

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 09 Instrumentation And Control For HVAC****23 09 43 Pneumatic Control System For HVAC**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 43 00-0011 LF 1/2" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing.....	2.01	0.63
<b>23 09 43 00-0012 Nylon Pneumatic Tubing</b> (23 09 43 00-0001)		
23 09 43 00-0013 LF 1/8" Outside Diameter x .016" Thick Wall Nylon Pneumatic Tubing .....	1.56	0.56
23 09 43 00-0014 LF 1/4" Outside Diameter x .035" Thick Wall Nylon Pneumatic Tubing .....	2.05	0.58
23 09 43 00-0015 LF 3/8" Outside Diameter x .050" Thick Wall Nylon Pneumatic Tubing .....	3.07	0.61
23 09 43 00-0016 LF 1/2" Outside Diameter x .062" Thick Wall Nylon Pneumatic Tubing .....	3.92	0.63
<b>23 09 43 00-0017 Flexible Vinyl Pneumatic Tubing</b> (23 09 43 00-0001)		
23 09 43 00-0018 LF 1/4" Outside Diameter Flexible Vinyl Pneumatic Tubing .....	1.53	0.58
23 09 43 00-0019 LF 3/8" Outside Diameter Flexible Vinyl Pneumatic Tubing .....	2.44	0.61
23 09 43 00-0020 LF 1/2" Outside Diameter Flexible Vinyl Pneumatic Tubing .....	2.93	0.63
23 09 43 00-0021 LF 5/8" Outside Diameter Flexible Vinyl Pneumatic Tubing .....	3.56	0.66
23 09 43 00-0022 LF 3/4" Outside Diameter Flexible Vinyl Pneumatic Tubing .....	4.01	0.68
23 09 43 00-0023 LF 1" Outside Diameter Flexible Vinyl Pneumatic Tubing .....	5.48	0.69
<b>23 09 43 00-0024 Braided Vinyl Pneumatic Tubing</b> (23 09 43 00-0001)		
23 09 43 00-0025 LF 5/8" Outside Diameter Braided Vinyl Pneumatic Tubing .....	2.06	0.66
23 09 43 00-0026 LF 3/4" Outside Diameter Braided Vinyl Pneumatic Tubing .....	2.38	0.68
23 09 43 00-0027 LF 1" Outside Diameter Braided Vinyl Pneumatic Tubing .....	2.96	0.69
<b>23 09 43 00-0028 Copper Pneumatic Tubing</b> (23 09 43 00-0001)		
23 09 43 00-0029 LF 1/4" Outside Diameter Copper Pneumatic Tubing .....	3.06	1.26
23 09 43 00-0030 LF 3/8" Outside Diameter Copper Pneumatic Tubing .....	3.68	1.45
23 09 43 00-0031 LF 1/2" Outside Diameter Copper Pneumatic Tubing .....	4.27	1.67
23 09 43 00-0032 LF 5/8" Outside Diameter Copper Pneumatic Tubing .....	5.19	1.92
23 09 43 00-0033 LF 3/4" Outside Diameter Copper Pneumatic Tubing .....	6.04	2.27
<b>23 09 43 00-0034 Brass Couplings</b> (23 09 43 00-0001) See CSI section 22 11 16 00-0368 for copper tubing.		
<b>23 09 43 00-0035 Straight Brass Couplings</b> (23 09 43 00-0034) Note: Barb x Barb		
23 09 43 00-0036 EA 1/4" x 1/4" Straight Brass Coupling .....	6.89	3.18
23 09 43 00-0037 EA 3/8" x 1/4" Straight Brass Coupling .....	6.97	3.18
23 09 43 00-0038 EA 3/8" x 3/8" Straight Brass Coupling .....	7.06	3.18
<b>23 09 43 00-0039 Elbow Brass Couplings</b> (23 09 43 00-0034) Note: Barb x Barb		
23 09 43 00-0040 EA 1/4" x 1/4" Elbow Brass Coupling.....	7.36	3.18
23 09 43 00-0041 EA 3/8" x 3/8" Elbow Brass Coupling.....	7.64	3.18
<b>23 09 43 00-0042 Tee Brass Couplings</b> (23 09 43 00-0034) Note: Barb x Barb		
23 09 43 00-0043 EA 1/4" x 1/4" x 1/4" Tee Brass Coupling .....	11.23	4.96
23 09 43 00-0044 EA 3/8" x 3/8" x 1/4" Tee Brass Coupling .....	12.95	5.31
23 09 43 00-0045 EA 3/8" x 3/8" x 3/8" Tee Brass Coupling .....	12.65	5.31

**23 10 Facility Fuel Systems** (23)**23 11 Facility Fuel Piping** (23 10)**23 11 23 Facility Natural-Gas Piping** (23 11)**23 11 23 00-0001 Corrugated Stainless Steel Tubing (CSST), Flexible Gas Piping** (23 11 23)**23 11 23 00-0002 Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** (23 11 23 00-0001)

Note: Includes UV resistant polyethylene jacket. Excludes fittings and pipe hangers.

23 11 23 00-0003 LF 3/8" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	5.88	1.24
23 11 23 00-0004 LF 1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	6.50	1.34
23 11 23 00-0005 LF 3/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	8.03	1.45
23 11 23 00-0006 LF 1" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	10.63	1.54
23 11 23 00-0007 LF 1-1/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	12.83	1.61
23 11 23 00-0008 LF 1-1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	20.78	1.68
23 11 23 00-0009 LF 2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	28.94	1.79

**23 11 23 00-0010 Fittings And Accessories For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** (23 11 23 00-0001)**23 11 23 00-0011 Male Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** (23 11 23 00-0010)

23 11 23 00-0012 EA 3/8" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	27.16	
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0013 EA 3/8" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	27.16	
23 11 23 00-0014 EA 1/2" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	29.17	
23 11 23 00-0015 EA 1/2" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	29.17	
23 11 23 00-0016 EA 3/4" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	36.63	
23 11 23 00-0017 EA 1" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	54.17	
23 11 23 00-0018 EA 1" x 1", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	54.17	
23 11 23 00-0019 EA 1-1/4" x 1-1/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	100.02	
23 11 23 00-0020 EA 1-1/2" x 1-1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	193.31	
23 11 23 00-0021 EA 2" x 2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	320.91	
<b>23 11 23 00-0022 Female Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
23 11 23 00-0023 EA 3/8" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	25.97	
23 11 23 00-0024 EA 1/2" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	29.17	
23 11 23 00-0025 EA 1/2" x 3/8", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	29.17	
23 11 23 00-0026 EA 3/4" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	36.63	
23 11 23 00-0027 EA 3/4" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	36.63	
23 11 23 00-0028 EA 1" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	51.24	
23 11 23 00-0029 EA 1" x 1", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	51.24	
<b>23 11 23 00-0030 Reducing Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
23 11 23 00-0031 EA 3/4" x 1/2", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	37.34	
23 11 23 00-0032 EA 1" x 3/4", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	52.31	
<b>23 11 23 00-0033 Couplings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
23 11 23 00-0034 EA 3/8" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	40.09	
23 11 23 00-0035 EA 1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	44.93	
23 11 23 00-0036 EA 3/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	58.55	
23 11 23 00-0037 EA 1" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	88.35	
23 11 23 00-0038 EA 1-1/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	175.61	
23 11 23 00-0039 EA 1-1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	354.64	
23 11 23 00-0040 EA 2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	597.36	
<b>23 11 23 00-0041 Tees For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
23 11 23 00-0042 EA 1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	54.55	
23 11 23 00-0043 EA 3/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	96.47	
23 11 23 00-0044 EA 1" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	161.52	
23 11 23 00-0045 EA 1-1/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	289.29	
23 11 23 00-0046 EA 1-1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	311.67	
23 11 23 00-0047 EA 2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	359.84	
<b>23 11 23 00-0048 Indoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
23 11 23 00-0049 EA 3/8" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	34.92	
23 11 23 00-0050 EA 1/2" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	35.76	
23 11 23 00-0051 EA 3/4" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	39.19	
23 11 23 00-0052 EA 1" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	56.10	
23 11 23 00-0053 EA 1" x 1", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	57.10	
<b>23 11 23 00-0054 Outdoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
23 11 23 00-0055 EA 3/8" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	39.56	
23 11 23 00-0056 EA 1/2" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	40.21	
23 11 23 00-0057 EA 3/4" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	48.61	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0058	EA		1" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	58.74	
23 11 23 00-0059	EA		1" x 1", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	58.74	
<b>23 11 23 00-0060</b>			<b>Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
23 11 23 00-0061	EA		3/8" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	50.34	
23 11 23 00-0062	EA		1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	51.63	
23 11 23 00-0063	EA		3/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	54.86	
23 11 23 00-0064	EA		1" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	104.04	
23 11 23 00-0065	EA		1-1/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	108.47	
23 11 23 00-0066	EA		1-1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	169.55	
23 11 23 00-0067	EA		2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	217.93	
<b>23 11 23 00-0068</b>			<b>Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
23 11 23 00-0069	EA		3/8" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	54.83	
23 11 23 00-0070	EA		1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	56.04	
23 11 23 00-0071	EA		3/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	64.11	
23 11 23 00-0072	EA		1" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	139.42	
23 11 23 00-0073	EA		1-1/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	144.15	
23 11 23 00-0074	EA		1-1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	209.32	
23 11 23 00-0075	EA		2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	271.82	
<b>23 11 23 00-0076</b>			<b>Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
23 11 23 00-0077	EA		1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	35.49	
23 11 23 00-0078	EA		3/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	38.62	
23 11 23 00-0079	EA		1" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	64.96	
23 11 23 00-0080	EA		1-1/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	106.88	
23 11 23 00-0081	EA		1-1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	220.85	
23 11 23 00-0082	EA		2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	360.07	
<b>23 11 23 00-0083</b>			<b>Stub-Outs For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
			Note: Includes mounting plate.		
23 11 23 00-0084	EA		1/2" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	30.29	
23 11 23 00-0085	EA		3/4" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	33.33	
23 11 23 00-0086	EA		1/2" Fireplace Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	30.33	
23 11 23 00-0087	EA		1/2" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	30.47	
23 11 23 00-0088	EA		3/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	31.54	
23 11 23 00-0089	EA		1" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	39.06	
23 11 23 00-0090	EA		1-1/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	48.88	
<b>23 11 23 00-0091</b>			<b>Flush Mount Gas Valve Kits For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
			Note: Includes flush fitting plastic valve box and 90 degree brass shut-off valve.		
23 11 23 00-0092	EA		1/2" x 1/2", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	89.27	13.04
23 11 23 00-0093	EA		3/4" x 3/4", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	103.14	13.69
<b>23 11 23 00-0094</b>			<b>Shut-Off Valves For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
23 11 23 00-0095	EA		3/8" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	59.51	11.40
23 11 23 00-0096	EA		1/2" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	68.55	13.56
23 11 23 00-0097	EA		3/4" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	84.92	16.30
23 11 23 00-0098	EA		1" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	103.29	21.77
<b>23 11 23 00-0099</b>			<b>Manifolds For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>		
			Note: Includes mounting hardware.		
23 11 23 00-0100	EA		1/2" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	74.03	13.56
23 11 23 00-0101	EA		3/4" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	82.06	16.30



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0102 EA 1/2" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	81.43	13.56
23 11 23 00-0103 EA 3/4" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	86.85	16.30
23 11 23 00-0104 EA 2" x 1-1/2" Inlet, Four 1" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	144.27	40.74
<b>23 11 23 00-0105 Pressure Regulators For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0101)</small>		
23 11 23 00-0106 EA 1/2" Port, 250 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	80.02	13.56
23 11 23 00-0107 EA 1/2" Port, 355 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	80.02	13.56
23 11 23 00-0108 EA 1/2" Port, 425 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	124.30	13.56
23 11 23 00-0109 EA 3/4" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	129.72	16.30
23 11 23 00-0110 EA 3/4" Port, 810 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	129.72	16.30
23 11 23 00-0111 EA 1" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	140.59	21.77
23 11 23 00-0112 EA 1-1/4" Port, 1,000 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	228.08	24.44
23 11 23 00-0113 EA 1/2" Port, 200 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	116.46	13.56
23 11 23 00-0114 EA 3/4" Port, 425 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	330.27	16.30
23 11 23 00-0115 EA 1-1/4" Port, 900 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	836.75	24.44
<b>23 11 23 00-0116 Polymer Coated Stainless Steel, Flexible Gas Appliance Connectors (Brass Craft)</b> <small>(23 11 23)</small>		
<b>23 11 23 00-0117 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
23 11 23 00-0118 EA 12" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-12).....	35.33	9.78
23 11 23 00-0119 EA 18" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-18).....	39.78	10.43
23 11 23 00-0120 EA 24" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-24).....	44.02	10.43
23 11 23 00-0121 EA 30" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-30).....	46.49	11.08
23 11 23 00-0122 EA 36" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-36).....	49.79	11.08
23 11 23 00-0123 EA 48" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-48).....	57.87	11.74
23 11 23 00-0124 EA 60" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-60).....	65.13	11.74
23 11 23 00-0125 EA 72" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-72).....	72.33	12.38
<b>23 11 23 00-0126 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
23 11 23 00-0127 EA 12" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-12).....	35.33	9.78
23 11 23 00-0128 EA 18" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-18).....	39.78	10.43
23 11 23 00-0129 EA 24" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-24).....	44.02	10.43
23 11 23 00-0130 EA 30" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-30).....	46.49	11.08
23 11 23 00-0131 EA 36" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-36).....	49.79	11.08
23 11 23 00-0132 EA 48" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-48).....	57.87	11.74
23 11 23 00-0133 EA 60" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-60).....	65.13	11.74
23 11 23 00-0134 EA 72" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-72).....	72.33	12.38
<b>23 11 23 00-0135 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
23 11 23 00-0136 EA 12" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-12).....	35.33	9.78
23 11 23 00-0137 EA 18" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-18).....	39.78	10.43
23 11 23 00-0138 EA 24" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-24).....	44.02	10.43
23 11 23 00-0139 EA 30" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-30).....	46.49	11.08
23 11 23 00-0140 EA 36" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-36).....	49.79	11.08
23 11 23 00-0141 EA 48" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-48).....	57.87	11.74
23 11 23 00-0142 EA 60" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-60).....	65.13	11.74



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0143 EA 72" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-72).....	72.33	12.38
<b>23 11 23 00-0144 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)</b>		
23 11 23 00-0145 EA 12" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-12).....	35.33	9.78
23 11 23 00-0146 EA 18" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-18).....	39.78	10.43
23 11 23 00-0147 EA 24" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-24).....	56.01	10.43
23 11 23 00-0148 EA 30" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-30).....	46.49	11.08
23 11 23 00-0149 EA 36" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-36).....	49.79	11.08
23 11 23 00-0150 EA 48" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-48).....	57.87	11.74
23 11 23 00-0151 EA 60" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-60).....	65.13	11.74
23 11 23 00-0152 EA 72" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-72).....	72.33	12.38
<b>23 11 23 00-0153 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)</b>		
23 11 23 00-0154 EA 12" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-12).....	39.95	9.78
23 11 23 00-0155 EA 18" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-18).....	45.52	10.43
23 11 23 00-0156 EA 24" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-24).....	44.02	10.43
23 11 23 00-0157 EA 30" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-30).....	53.82	11.08
23 11 23 00-0158 EA 36" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-36).....	49.79	11.08
23 11 23 00-0159 EA 48" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-48).....	57.87	11.74
23 11 23 00-0160 EA 60" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-60).....	65.13	11.74
23 11 23 00-0161 EA 72" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-72).....	72.33	12.38
<b>23 11 23 00-0162 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)</b>		
23 11 23 00-0163 EA 12" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-12).....	35.33	9.78
23 11 23 00-0164 EA 24" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-24).....	50.81	10.43
23 11 23 00-0165 EA 30" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-30).....	46.49	11.08
23 11 23 00-0166 EA 36" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-36).....	49.79	11.08
23 11 23 00-0167 EA 48" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-48).....	57.87	11.74
23 11 23 00-0168 EA 60" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-60).....	77.35	11.74
23 11 23 00-0169 EA 72" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-72).....	72.33	12.38
<b>23 11 23 00-0170 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)</b>		
23 11 23 00-0171 EA 12" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-12).....	35.33	9.78
23 11 23 00-0172 EA 18" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-18).....	39.78	10.43
23 11 23 00-0173 EA 24" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-24).....	44.02	10.43
23 11 23 00-0174 EA 30" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-30).....	46.49	11.08
23 11 23 00-0175 EA 36" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-36).....	49.79	11.08
23 11 23 00-0176 EA 48" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-48).....	57.87	11.74
23 11 23 00-0177 EA 60" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-60).....	65.13	11.74
23 11 23 00-0178 EA 72" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-72).....	72.33	12.38



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0179				<b>3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
	23 11 23 00-0180	EA		12" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-12).....	35.33	9.78
	23 11 23 00-0181	EA		18" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-18).....	39.78	10.43
	23 11 23 00-0182	EA		24" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-24).....	44.02	10.43
	23 11 23 00-0183	EA		30" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-30).....	46.49	11.08
	23 11 23 00-0184	EA		36" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-36).....	49.79	11.08
	23 11 23 00-0185	EA		48" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-48).....	57.87	11.74
	23 11 23 00-0186	EA		60" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-60).....	65.13	11.74
	23 11 23 00-0187	EA		72" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-72).....	72.33	12.38
23 11 23 00-0188				<b>3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
	23 11 23 00-0189	EA		18" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-18).....	45.52	10.43
	23 11 23 00-0190	EA		24" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-24).....	44.02	10.43
	23 11 23 00-0191	EA		30" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-30).....	53.82	11.08
	23 11 23 00-0192	EA		36" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-36).....	57.89	11.08
	23 11 23 00-0193	EA		48" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-48).....	68.15	11.74
23 11 23 00-0194				<b>1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
	23 11 23 00-0195	EA		12" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-12).....	35.33	9.78
	23 11 23 00-0196	EA		18" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-18).....	39.78	10.43
	23 11 23 00-0197	EA		24" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-24).....	39.22	10.43
	23 11 23 00-0198	EA		30" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-30).....	46.49	11.08
	23 11 23 00-0199	EA		36" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-36).....	44.05	11.08
	23 11 23 00-0200	EA		48" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-48).....	59.62	11.74
	23 11 23 00-0201	EA		60" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-60).....	65.13	11.74
	23 11 23 00-0202	EA		72" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-72).....	72.33	12.38
23 11 23 00-0203				<b>1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
	23 11 23 00-0204	EA		12" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-12).....	35.33	9.78
	23 11 23 00-0205	EA		18" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-18).....	35.87	10.43
	23 11 23 00-0206	EA		24" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-24).....	36.58	10.43
	23 11 23 00-0207	EA		30" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-30).....	46.49	11.08
	23 11 23 00-0208	EA		36" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-36).....	49.79	11.08
	23 11 23 00-0209	EA		48" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-48).....	50.38	11.74
	23 11 23 00-0210	EA		60" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-60).....	65.13	11.74
	23 11 23 00-0211	EA		72" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-72).....	72.33	12.38
23 11 23 00-0212				<b>1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
	23 11 23 00-0213	EA		12" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-12).....	35.33	9.78
	23 11 23 00-0214	EA		18" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-18).....	39.78	10.43

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0215 EA 24" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-24).....	44.02	10.43
23 11 23 00-0216 EA 30" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-30).....	46.49	11.08
23 11 23 00-0217 EA 36" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-36).....	40.06	11.08
23 11 23 00-0218 EA 48" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-48).....	57.87	11.74
23 11 23 00-0219 EA 60" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-60).....	65.13	11.74
23 11 23 00-0220 EA 72" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-72).....	72.33	12.38
<b>23 11 23 00-0221 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small></b>		
23 11 23 00-0222 EA 12" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-12).....	51.79	9.78
23 11 23 00-0223 EA 18" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-18).....	56.21	10.43
23 11 23 00-0224 EA 24" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-24).....	60.44	10.43
23 11 23 00-0225 EA 30" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-30).....	62.90	11.08
23 11 23 00-0226 EA 36" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-36).....	66.35	11.08
23 11 23 00-0227 EA 48" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-48).....	73.91	11.74
23 11 23 00-0228 EA 60" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-60).....	81.84	11.74
23 11 23 00-0229 EA 72" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-72).....	89.06	12.38
<b>23 11 23 00-0230 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small></b>		
23 11 23 00-0231 EA 12" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-12).....	58.32	13.04
23 11 23 00-0232 EA 18" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-18).....	62.73	13.69
23 11 23 00-0233 EA 24" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-24).....	66.96	13.69
23 11 23 00-0234 EA 30" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-30).....	69.42	14.34
23 11 23 00-0235 EA 36" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-36).....	72.87	14.34
23 11 23 00-0236 EA 48" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-48).....	80.42	14.99
23 11 23 00-0237 EA 60" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-60).....	88.37	14.99
23 11 23 00-0238 EA 72" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-72).....	95.57	15.65
<b>23 11 23 00-0239 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small></b>		
23 11 23 00-0240 EA 12" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12).....	58.32	13.04
23 11 23 00-0241 EA 18" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18).....	62.73	13.69
23 11 23 00-0242 EA 24" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24).....	66.96	13.69
23 11 23 00-0243 EA 30" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30).....	69.42	14.34
23 11 23 00-0244 EA 36" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36).....	72.87	14.34
23 11 23 00-0245 EA 48" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48).....	80.42	14.99
23 11 23 00-0246 EA 60" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60).....	88.37	14.99
23 11 23 00-0247 EA 72" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-72).....	95.57	15.65
<b>23 11 23 00-0248 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small></b>		
23 11 23 00-0249 EA 12" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12).....	71.70	13.04
23 11 23 00-0250 EA 18" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18).....	76.11	13.69
23 11 23 00-0251 EA 24" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24).....	80.34	13.69



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 11	23 00-0252	EA	30" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30).....	82.80	14.34
	23 11	23 00-0253	EA	36" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36).....	86.26	14.34
	23 11	23 00-0254	EA	48" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48).....	93.81	14.99
	23 11	23 00-0255	EA	60" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60).....	101.76	14.99
<b>23 11</b>	<b>23 00-0256</b>			<b>3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small></b>		
	23 11	23 00-0257	EA	12" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-12).....	71.70	13.04
	23 11	23 00-0258	EA	18" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-18).....	76.11	13.69
	23 11	23 00-0259	EA	24" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-24).....	80.34	13.69
	23 11	23 00-0260	EA	36" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-36).....	86.26	14.34
	23 11	23 00-0261	EA	48" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-48).....	93.81	14.99
	23 11	23 00-0262	EA	60" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-60).....	101.76	14.99
<b>23 11</b>	<b>23 00-0263</b>			<b>1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small></b>		
	23 11	23 00-0264	EA	12" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-12).....	71.70	13.04
	23 11	23 00-0265	EA	18" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-18).....	76.11	13.69
	23 11	23 00-0266	EA	24" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-24).....	80.34	13.69
	23 11	23 00-0267	EA	30" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-30).....	82.80	14.34
	23 11	23 00-0268	EA	36" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-36).....	86.26	14.34
	23 11	23 00-0269	EA	48" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-48).....	93.81	14.99
	23 11	23 00-0270	EA	60" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-60).....	101.76	14.99
	23 11	23 00-0271	EA	72" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-72).....	108.95	15.65
<b>23 11</b>	<b>23 00-0272</b>			<b>1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small></b>		
	23 11	23 00-0273	EA	12" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-12).....	54.79	13.04
	23 11	23 00-0274	EA	18" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-18).....	59.22	13.69
	23 11	23 00-0275	EA	24" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-24).....	63.48	13.69
	23 11	23 00-0276	EA	30" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-30).....	65.90	14.34
	23 11	23 00-0277	EA	36" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-36).....	69.36	14.34
	23 11	23 00-0278	EA	48" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-48).....	76.89	14.99
	23 11	23 00-0279	EA	72" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-72).....	92.01	15.65
<b>23 11</b>	<b>23 00-0280</b>			<b>1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) <small>(23 11 23 00-0116)</small></b>		
	23 11	23 00-0281	EA	18" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-18).....	68.74	13.69
	23 11	23 00-0282	EA	24" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-24).....	74.05	13.69
<b>23 11</b>	<b>23 00-0283</b>			<b>Quarter-Turn, Gas Ball Valve <small>(23 11 23)</small></b>		
	23 11	23 00-0284	EA	3/8" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top™ T-3000 102-102).....	29.68	6.94
	23 11	23 00-0285	EA	1/2" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-103).....	28.77	7.08
	23 11	23 00-0286	EA	3/4" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-104).....	43.06	7.79
	23 11	23 00-0287	EA	3/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-112).....	29.27	6.94
	23 11	23 00-0288	EA	1/2" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-113).....	30.69	7.08
	23 11	23 00-0289	EA	1/2" Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-118).....	36.35	7.08
	23 11	23 00-0290	EA	5/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-121).....	37.96	7.44

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0291	EA		5/8" (7/8"-14) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-114) .....	40.84	7.44
23 11 23 00-0292	EA		5/8" (15/16"-16) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-115) .....	40.84	7.44
23 11 23 00-0293	EA		3/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-312) .....	31.43	6.94
23 11 23 00-0294	EA		1/2" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-313) .....	32.85	7.08
23 11 23 00-0295	EA		5/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-314) .....	42.36	7.44
23 11 23 00-0296	EA		1/2" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-413) .....	33.13	7.08
23 11 23 00-0297	EA		3/4" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-414) .....	44.69	7.79
23 11 23 00-0298	EA		3/8" (9/16"-24) Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-119) .....	31.32	6.94
23 11 23 00-0299	EA		3/8" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-612) .....	28.99	6.94
23 11 23 00-0300	EA		1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-613) .....	28.76	7.08
23 11 23 00-0301	EA		3/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-614) .....	39.96	7.79
23 11 23 00-0302	EA		1" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-615) .....	57.14	8.85
23 11 23 00-0303	EA		1-1/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-616) .....	86.77	9.20
23 11 23 00-0304	EA		1-1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-617) .....	104.55	10.62
23 11 23 00-0305	EA		2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-618) .....	131.28	12.75
23 11 23 00-0306	EA		1/2" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-713) .....	30.00	7.08
23 11 23 00-0307	EA		3/4" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-714) .....	39.58	7.79
<b>23 11 23 00-0308</b>			<b>Gas Stops</b> (23 11 23)		
<b>23 11 23 00-0309</b>			<b>Brass/Bronze Gas Stops</b> (23 11 23 00-0308) Note: Flat or square head		
23 11 23 00-0310	EA		3/8" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596) .....	33.60	7.08
23 11 23 00-0311	EA		1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596) .....	33.49	7.08
23 11 23 00-0312	EA		3/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596) .....	43.86	7.79
23 11 23 00-0313	EA		1" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596) .....	62.44	8.85
23 11 23 00-0314	EA		1-1/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596) .....	83.38	9.41
23 11 23 00-0315	EA		1-1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596) .....	105.71	10.90
23 11 23 00-0316	EA		2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596) .....	148.05	12.89
<b>23 11 23 00-0317</b>			<b>Iron Body Gas Stops</b> (23 11 23 00-0308)		
23 11 23 00-0318	EA		1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B) .....	46.17	7.08
23 11 23 00-0319	EA		3/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B) .....	56.34	7.79
23 11 23 00-0320	EA		1" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B) .....	69.97	8.85
23 11 23 00-0321	EA		1-1/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B) .....	90.69	9.41
23 11 23 00-0322	EA		1-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B) .....	114.89	10.90
23 11 23 00-0323	EA		2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B) .....	150.14	12.89
23 11 23 00-0324	EA		2-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B) .....	296.20	17.40
23 11 23 00-0325	EA		3" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B) .....	399.67	20.21
<b>23 11 23 00-0326</b>			<b>Bronze Body Solenoid Valves, 150 PSI Gas</b> (23 11 23)		
23 11 23 00-0327	EA		1/4" Solenoid Valve, Bronze, 150 PSI, Gas .....	123.16	7.08
23 11 23 00-0328	EA		1/2" Solenoid Valve, Bronze, 150 PSI, Gas .....	143.74	7.08
23 11 23 00-0329	EA		3/4" Solenoid Valve, Bronze, 150 PSI, Gas .....	182.83	7.79
23 11 23 00-0330	EA		1" Solenoid Valve, Bronze, 150 PSI, Gas .....	275.41	8.85
23 11 23 00-0331	EA		1-1/2" Solenoid Valve, Bronze, 150 PSI, Gas .....	494.11	10.90
23 11 23 00-0332	EA		2" Solenoid Valve, Bronze, 150 PSI, Gas .....	844.66	12.89
23 11 23 00-0333	EA		2-1/2" Solenoid Valve, Bronze, 150 PSI, Gas .....	1,045.49	17.40
23 11 23 00-0334	EA		3" Solenoid Valve, Bronze, 150 PSI, Gas .....	1,579.34	20.21
<b>23 11 26 Facility Liquefied-Petroleum Gas Piping</b> (23 11)					
<b>23 11 26 00-0001</b>			<b>Fiberglass Reinforced Plastic Pipe And Fittings</b> (23 11 26)		
<b>23 11 26 00-0002</b>			<b>Fiberglass Reinforced Plastic Pipe</b> (23 11 26 00-0001) Note: For double containment fiberglass pipe, select both outer containment pipe size and inner containment pipe size (include in modifier for use as inner pipe).		
23 11 26 00-0003	LF		2" Fiberglass Reinforced Plastic Pipe .....	13.63	4.69
			For Use As Inner Pipe In Double Wall Pipe System, Deduct .....	-5.26	
23 11 26 00-0004	LF		3" Fiberglass Reinforced Plastic Pipe .....	16.33	5.61
			For Use As Inner Pipe In Double Wall Pipe System, Deduct .....	-6.31	
23 11 26 00-0005	LF		4" Fiberglass Reinforced Plastic Pipe .....	21.48	8.28
			For Use As Inner Pipe In Double Wall Pipe System, Deduct .....	-9.29	
23 11 26 00-0006	LF		5" Fiberglass Reinforced Plastic Pipe .....	25.29	9.52
			For Use As Inner Pipe In Double Wall Pipe System, Deduct .....	-10.46	
23 11 26 00-0007	LF		6" Fiberglass Reinforced Plastic Pipe .....	29.55	10.63
			For Use As Inner Pipe In Double Wall Pipe System, Deduct .....	-11.97	
23 11 26 00-0008	LF		8" Fiberglass Reinforced Plastic Pipe .....	39.15	11.62
			For Use As Inner Pipe In Double Wall Pipe System, Deduct .....	-13.06	
23 11 26 00-0009	LF		10" Fiberglass Reinforced Plastic Pipe .....	52.47	13.82
			For Use As Inner Pipe In Double Wall Pipe System, Deduct .....	-15.56	
23 11 26 00-0010	LF		12" Fiberglass Reinforced Plastic Pipe .....	72.86	17.40
			For Use As Inner Pipe In Double Wall Pipe System, Deduct .....	-19.58	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	<b>23 11 26 00-0011</b>	<b>Fiberglass Reinforced Plastic Fittings</b> <small>(23 11 26 00-0001)</small>		
	<b>23 11 26 00-0012</b>	<b>Fiberglass Reinforced Plastic Flanged 90 Degree Elbows</b> <small>(23 11 26 00-0011)</small>		
	23 11 26 00-0013	EA 2" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	102.99 -52.57	46.74
	23 11 26 00-0014	EA 3" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	121.41 -63.09	56.13
	23 11 26 00-0015	EA 4" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	145.68 -73.29	65.19
	23 11 26 00-0016	EA 5" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	170.82 -75.81	68.72
	23 11 26 00-0017	EA 6" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	207.10 -86.70	77.11
	23 11 26 00-0018	EA 8" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	301.06 -108.38	96.35
	23 11 26 00-0019	EA 10" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	389.25 -130.52	116.07
	23 11 26 00-0020	EA 12" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	549.33 -161.84	143.93
	<b>23 11 26 00-0021</b>	<b>Fiberglass Reinforced Plastic Flanged 45 Degree Elbows</b> <small>(23 11 26 00-0011)</small>		
	23 11 26 00-0022	EA 2" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	103.24 -52.57	46.74
	23 11 26 00-0023	EA 3" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	121.48 -63.09	56.13
	23 11 26 00-0024	EA 4" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	145.91 -73.34	65.25
	23 11 26 00-0025	EA 5" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	183.84 -85.56	77.51
	23 11 26 00-0026	EA 6" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	207.01 -86.70	77.11
	23 11 26 00-0027	EA 8" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	301.06 -108.38	96.35
	23 11 26 00-0028	EA 10" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	420.96 -130.52	116.07
	23 11 26 00-0029	EA 12" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	549.33 -161.84	143.93
	<b>23 11 26 00-0030</b>	<b>Fiberglass Reinforced Plastic Flanged Tees</b> <small>(23 11 26 00-0011)</small>		
	23 11 26 00-0031	EA 2" Fiberglass Reinforced Plastic Flanged Tee..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	156.47 -78.86	70.14
	23 11 26 00-0032	EA 3" Fiberglass Reinforced Plastic Flanged Tee..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	191.95 -94.97	84.48
	23 11 26 00-0033	EA 4" Fiberglass Reinforced Plastic Flanged Tee..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	219.67 -110.02	97.85
	23 11 26 00-0034	EA 5" Fiberglass Reinforced Plastic Flanged Tee..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	271.71 -128.39	116.23
	23 11 26 00-0035	EA 6" Fiberglass Reinforced Plastic Flanged Tee..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	302.05 -130.52	116.07
	23 11 26 00-0036	EA 8" Fiberglass Reinforced Plastic Flanged Tee..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	378.63 -161.84	143.93
	23 11 26 00-0037	EA 10" Fiberglass Reinforced Plastic Flanged Tee..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	569.82 -195.78	174.09
	23 11 26 00-0038	EA 12" Fiberglass Reinforced Plastic Flanged Tee..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	748.14 -238.00	211.67
	<b>23 11 26 00-0039</b>	<b>Fiberglass Reinforced Plastic Flanged Wyes</b> <small>(23 11 26 00-0011)</small>		
	23 11 26 00-0040	EA 2" Fiberglass Reinforced Plastic Flanged Wye..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	191.22 -78.86	70.14
	23 11 26 00-0041	EA 3" Fiberglass Reinforced Plastic Flanged Wye..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	241.52 -94.85	84.35
	23 11 26 00-0042	EA 4" Fiberglass Reinforced Plastic Flanged Wye..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	282.84 -110.01	97.85
	23 11 26 00-0043	EA 5" Fiberglass Reinforced Plastic Flanged Wye..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	325.50 -128.39	116.23
	23 11 26 00-0044	EA 6" Fiberglass Reinforced Plastic Flanged Wye..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	346.47 -130.52	116.07
	23 11 26 00-0045	EA 8" Fiberglass Reinforced Plastic Flanged Wye..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	448.86 -161.84	143.93
	23 11 26 00-0046	EA 10" Fiberglass Reinforced Plastic Flanged Wye..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	658.41 -195.78	174.09
	23 11 26 00-0047	EA 12" Fiberglass Reinforced Plastic Flanged Wye..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	844.71 -238.00	211.67
	<b>23 11 26 00-0048</b>	<b>Fiberglass Reinforced Plastic Flanged Concentric Reducers</b> <small>(23 11 26 00-0011)</small>		
	23 11 26 00-0049	EA 2" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	113.59 -52.57	46.74

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0050 EA 3" Fiberglass Reinforced Plastic Flanged Concentric Reducer.....	144.09	56.13
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-63.09	
23 11 26 00-0051 EA 4" Fiberglass Reinforced Plastic Flanged Concentric Reducer.....	160.59	65.25
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-73.34	
23 11 26 00-0052 EA 5" Fiberglass Reinforced Plastic Flanged Concentric Reducer.....	186.65	77.51
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-85.56	
23 11 26 00-0053 EA 6" Fiberglass Reinforced Plastic Flanged Concentric Reducer.....	197.93	77.11
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-86.70	
23 11 26 00-0054 EA 8" Fiberglass Reinforced Plastic Flanged Concentric Reducer.....	259.26	96.35
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-108.38	
23 11 26 00-0055 EA 10" Fiberglass Reinforced Plastic Flanged Concentric Reducer.....	326.79	116.07
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-130.52	
23 11 26 00-0056 EA 12" Fiberglass Reinforced Plastic Flanged Concentric Reducer.....	437.11	143.93
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-161.84	
<b>23 11 26 00-0057 Fiberglass Reinforced Plastic Bell x Male Or Female Adapters (23 11 26 00-0011)</b>		
23 11 26 00-0058 EA 2" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter .....	98.06	46.74
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-52.57	
23 11 26 00-0059 EA 3" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter .....	114.43	56.13
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-63.09	
23 11 26 00-0060 EA 4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter .....	130.96	65.25
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-73.34	
23 11 26 00-0061 EA 4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter .....	157.63	77.51
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-85.56	
23 11 26 00-0062 EA 6" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter .....	169.54	77.11
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-86.70	
23 11 26 00-0063 EA 8" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter .....	181.02	96.35
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-108.38	
23 11 26 00-0064 EA 10" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter .....	226.50	116.07
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-130.52	
23 11 26 00-0065 EA 12" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter .....	329.90	143.93
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-161.84	
<b>23 11 26 00-0066 Fiberglass Reinforced Plastic Nipples (23 11 26 00-0011)</b>		
23 11 26 00-0067 EA 2" x 6" Fiberglass Reinforced Plastic Nipple .....	16.13	5.61
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-6.31	
23 11 26 00-0068 EA 2" x 12" Fiberglass Reinforced Plastic Nipple .....	32.22	11.21
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-12.59	
23 11 26 00-0069 EA 3" x 8" Fiberglass Reinforced Plastic Nipple .....	46.66	8.60
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-9.68	
23 11 26 00-0070 EA 3" x 12" Fiberglass Reinforced Plastic Nipple .....	53.95	10.81
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-12.15	
23 11 26 00-0071 EA 4" x 8" Fiberglass Reinforced Plastic Nipple .....	48.74	7.69
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-8.67	
23 11 26 00-0072 EA 4" x 12" Fiberglass Reinforced Plastic Nipple .....	60.23	11.56
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-13.00	
23 11 26 00-0073 EA 6" x 12" Fiberglass Reinforced Plastic Nipple .....	73.70	12.95
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-14.30	
23 11 26 00-0074 EA 6" x 12" Fiberglass Reinforced Plastic Nipple .....	87.18	13.87
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-15.62	
23 11 26 00-0075 EA 8" x 18" Fiberglass Reinforced Plastic Nipple .....	52.07	16.18
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-18.20	
23 11 26 00-0076 EA 8" x 24" Fiberglass Reinforced Plastic Nipple .....	71.72	23.12
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-26.00	
23 11 26 00-0077 EA 10" x 18" Fiberglass Reinforced Plastic Nipple .....	80.18	16.48
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-18.50	
23 11 26 00-0078 EA 10" x 24" Fiberglass Reinforced Plastic Nipple .....	120.31	24.63
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-27.71	
23 11 26 00-0079 EA 12" x 18" Fiberglass Reinforced Plastic Nipple .....	92.11	16.99
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-19.09	
23 11 26 00-0080 EA 12" x 24" Fiberglass Reinforced Plastic Nipple .....	122.73	25.44
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-28.63	
<b>23 11 26 00-0081 Fiberglass Reinforced Plastic Sleeve Couplings (23 11 26 00-0011)</b>		
23 11 26 00-0082 EA 2" Fiberglass Reinforced Plastic Sleeve Coupling .....	77.18	46.74
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-52.57	
23 11 26 00-0083 EA 3" Fiberglass Reinforced Plastic Sleeve Coupling .....	92.76	56.13
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-63.09	
23 11 26 00-0084 EA 4" Fiberglass Reinforced Plastic Sleeve Coupling .....	107.51	65.25
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-73.34	
23 11 26 00-0085 EA 5" Fiberglass Reinforced Plastic Sleeve Coupling .....	127.52	77.51
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-85.56	
23 11 26 00-0086 EA 6" Fiberglass Reinforced Plastic Sleeve Coupling .....	132.76	77.11
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-86.70	
23 11 26 00-0087 EA 8" Fiberglass Reinforced Plastic Sleeve Coupling .....	169.67	96.35
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-108.38	
23 11 26 00-0088 EA 10" Fiberglass Reinforced Plastic Sleeve Coupling .....	212.34	116.07
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-130.52	
23 11 26 00-0089 EA 12" Fiberglass Reinforced Plastic Sleeve Coupling .....	260.97	143.93
<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-161.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 11 26 00-0090</b> <b>Fiberglass Reinforced Plastic Flanges</b> <small>(23 11 26 00-0011)</small>		
23 11 26 00-0091    EA    2" Fiberglass Reinforced Plastic Flange ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	78.07 -52.57	46.74
23 11 26 00-0092    EA    3" Fiberglass Reinforced Plastic Flange ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	93.93 -63.09	56.13
23 11 26 00-0093    EA    4" Fiberglass Reinforced Plastic Flange ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	99.82 -64.91	57.74
23 11 26 00-0094    EA    5" Fiberglass Reinforced Plastic Flange ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	118.94 -75.86	68.72
23 11 26 00-0095    EA    6" Fiberglass Reinforced Plastic Flange ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	137.91 -86.70	77.11
23 11 26 00-0096    EA    8" Fiberglass Reinforced Plastic Flange ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	168.63 -103.74	92.25
23 11 26 00-0097    EA    10" Fiberglass Reinforced Plastic Flange ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	220.35 -130.52	116.07
23 11 26 00-0098    EA    12" Fiberglass Reinforced Plastic Flange ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	293.00 -161.84	143.93
<b>23 11 26 00-0099</b> <b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing And Fittings</b> <small>(23 11 26)</small>		
<b>23 11 26 00-0100</b> <b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing</b> <small>(23 11 26 00-0099)</small>		
23 11 26 00-0101    LF    2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing .....	52.39	20.15
23 11 26 00-0102    LF    3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing .....	62.35	23.86
23 11 26 00-0103    LF    4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing .....	83.34	35.20
23 11 26 00-0104    LF    6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing .....	114.08	45.63
23 11 26 00-0105    LF    8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing .....	147.58	49.71
23 11 26 00-0106    LF    10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing .....	194.96	58.95
23 11 26 00-0107    LF    12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing .....	248.41	74.39
<b>23 11 26 00-0108</b> <b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Fittings</b> <small>(23 11 26 00-0099)</small>		
<b>23 11 26 00-0109</b> <b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbows</b> <small>(23 11 26 00-0108)</small>		
23 11 26 00-0110    EA    2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	844.95	249.28
23 11 26 00-0111    EA    3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	982.66	299.21
23 11 26 00-0112    EA    4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	1,208.22	347.71
23 11 26 00-0113    EA    6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	1,926.98	411.14
23 11 26 00-0114    EA    8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	3,013.03	514.02
23 11 26 00-0115    EA    10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	4,009.88	618.42
23 11 26 00-0116    EA    12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow.....	5,311.91	765.81
<b>23 11 26 00-0117</b> <b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbows</b> <small>(23 11 26 00-0108)</small>		
23 11 26 00-0118    EA    2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	845.97	249.28
23 11 26 00-0119    EA    3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	980.86	299.21
23 11 26 00-0120    EA    4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	1,206.81	347.71
23 11 26 00-0121    EA    6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	1,918.67	411.14
23 11 26 00-0122    EA    8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	3,001.01	514.02
23 11 26 00-0123    EA    10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	3,993.78	618.70
23 11 26 00-0124    EA    12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow.....	5,292.18	767.54
<b>23 11 26 00-0125</b> <b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tees</b> <small>(23 11 26 00-0108)</small>		
23 11 26 00-0126    EA    2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee .....	1,198.01	373.92
23 11 26 00-0127    EA    3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee .....	1,486.69	450.65
23 11 26 00-0128    EA    4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee .....	1,688.58	521.83
23 11 26 00-0129    EA    6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee .....	2,517.74	618.99
23 11 26 00-0130    EA    8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee .....	3,172.64	767.54



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0131 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	5,224.39	927.42
23 11 26 00-0132 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee.....	7,035.03	1,124.46
<b>23 11 26 00-0133 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wyes (23 11 26 00-0108)</b>		
23 11 26 00-0134 EA 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye .....	1,629.44	373.92
23 11 26 00-0135 EA 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye .....	2,103.35	450.12
23 11 26 00-0136 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye .....	2,472.98	521.83
23 11 26 00-0137 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye .....	3,069.20	618.99
23 11 26 00-0138 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye .....	4,044.74	767.54
23 11 26 00-0139 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	6,324.39	927.42
23 11 26 00-0140 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye.....	8,234.09	1,124.46
<b>23 11 26 00-0141 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducers (23 11 26 00-0108)</b>		
23 11 26 00-0142 EA 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer .....	913.79	249.28
23 11 26 00-0143 EA 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer .....	1,193.21	299.21
23 11 26 00-0144 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer .....	1,301.12	347.71
23 11 26 00-0145 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer .....	1,638.72	411.14
23 11 26 00-0146 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer .....	2,195.66	514.02
23 11 26 00-0147 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer .....	2,824.04	618.42
23 11 26 00-0148 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer .....	3,896.20	765.81
<b>23 11 26 00-0149 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapters (23 11 26 00-0108)</b>		
23 11 26 00-0150 EA 2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter .....	720.98	249.28
23 11 26 00-0151 EA 3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter .....	824.98	299.21
23 11 26 00-0152 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter .....	933.25	347.71
23 11 26 00-0153 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter .....	1,286.11	411.14
23 11 26 00-0154 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter .....	1,224.13	514.02
23 11 26 00-0155 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter .....	1,578.73	618.42
23 11 26 00-0156 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter .....	2,564.96	765.81
<b>23 11 26 00-0157 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipples (23 11 26 00-0108)</b>		
23 11 26 00-0158 EA 2" x 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	140.73	29.92
23 11 26 00-0159 EA 2" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	281.24	59.72
23 11 26 00-0160 EA 3" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	487.85	45.89
23 11 26 00-0161 EA 3" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	555.12	57.63
23 11 26 00-0162 EA 4" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	523.27	41.09
23 11 26 00-0163 EA 4" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	625.10	61.67
23 11 26 00-0164 EA 6" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	934.90	74.10
23 11 26 00-0165 EA 8" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	474.63	86.36
23 11 26 00-0166 EA 8" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	645.04	123.29
23 11 26 00-0167 EA 10" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	820.81	87.74
23 11 26 00-0168 EA 10" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	1,232.11	131.44
23 11 26 00-0169 EA 12" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	963.41	90.52
23 11 26 00-0170 EA 12" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	1,253.60	135.78
<b>23 11 26 00-0171 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanges (23 11 26 00-0108)</b>		
23 11 26 00-0172 EA 4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	626.33	307.85
23 11 26 00-0173 EA 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	893.38	411.14
23 11 26 00-0174 EA 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	1,114.20	492.11
23 11 26 00-0175 EA 10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	1,502.39	618.42
23 11 26 00-0176 EA 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange.....	2,106.90	765.81

**23 12 Facility Fuel Pumps (23 10)****23 12 13 Facility Fuel-Oil Pumps (23 12)**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 12 13 00-0001			<b>Cast Iron Internal Gear Rotary Pump</b> <small>(23 12 13)</small> Note: Heavy duty type with relief valve, 1150 RPM drip-proof motor, common base plate. For viscosity to 20 centipoise; diesel oil, and light oil.		
23 12 13 00-0002			<b>10 GPM 1" Discharge</b> <small>(23 12 13 00-0001)</small>		
23 12 13 00-0003	EA		10 GPM Cast Iron Rotary Pump, 20 PSI 1/2 HP With 1" Discharge .....	810.97	194.14
23 12 13 00-0004	EA		10 GPM Cast Iron Rotary Pump, 40 PSI 3/4 HP With 1" Discharge .....	858.42	234.99
23 12 13 00-0005	EA		10 GPM Cast Iron Rotary Pump, 60 PSI 1 HP With 1" Discharge .....	945.32	279.17
23 12 13 00-0006			<b>25 GPM 1-1/4" Discharge</b> <small>(23 12 13 00-0001)</small>		
23 12 13 00-0007	EA		25 GPM Cast Iron Rotary Pump, 20 PSI 1 HP With 1-1/4" Discharge .....	894.06	194.14
23 12 13 00-0008	EA		25 GPM Cast Iron Rotary Pump, 40 PSI 1.5 HP With 1-1/4" Discharge .....	944.64	234.99
23 12 13 00-0009	EA		25 GPM Cast Iron Rotary Pump, 60 PSI 2 HP With 1-1/4" Discharge .....	995.08	279.17
23 12 13 00-0010			<b>Pump, Fuel Oil, 2 Stage 3450 RPM 100 PSI</b> <small>(23 12 13)</small>		
23 12 13 00-0011	EA		1/4 HP Pump Fuel Oil/Diesel .....	618.03	108.79
23 12 13 00-0012	EA		1/3 HP Pump Fuel Oil/Diesel .....	723.62	121.85
23 12 13 00-0013	EA		1/2 HP Pump Fuel Oil/Diesel .....	792.84	136.57
23 12 13 00-0014	EA		3/4 HP Pump Fuel Oil/Diesel .....	867.42	153.98
23 12 13 00-0015	EA		1 HP Pump Fuel Oil/Diesel .....	1,197.71	171.39
23 12 13 00-0016	EA		1-1/2 HP Pump Fuel Oil/Diesel .....	1,456.04	191.80
23 12 13 00-0017	EA		2 HP Pump Fuel Oil/Diesel .....	1,614.75	214.90
23 12 13 00-0018	EA		3 HP Pump Fuel Oil/Diesel .....	1,958.10	240.34
23 12 13 00-0019	EA		5 HP Pump Fuel Oil/Diesel .....	2,301.28	269.47
23 12 13 00-0020	EA		7.5 HP Pump Fuel Oil/Diesel .....	2,576.86	302.27
23 12 13 00-0021	EA		10 HP Pump Fuel Oil/Diesel .....	2,889.05	338.82
<b>23 12 16</b>			<b>Facility Gasoline Dispensing Pumps</b> <small>(23 12)</small>		
23 12 16 00-0001			<b>Unloading Hose And Accessories</b> <small>(23 12 16)</small>		
23 12 16 00-0002			<b>Hoses With Braided Rayon Cord, Neoprene Cover, And End Couplings</b> <small>(23 12 16 00-0001)</small>		
23 12 16 00-0003			<b>Two Braid Hose x 25'</b> <small>(23 12 16 00-0002)</small>		
23 12 16 00-0004	EA		3/4" x 1-3/4", 2-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings .....	204.90	26.38
23 12 16 00-0005	EA		1" x 1-1/2", 2-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings .....	245.11	26.38
23 12 16 00-0006	EA		1-1/4" x 1-3/4", 2-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings .....	357.23	26.38
23 12 16 00-0007			<b>Two Braid Hose x 50'</b> <small>(23 12 16 00-0002)</small>		
23 12 16 00-0008	EA		3/4" x 1-3/4", 2-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings .....	408.00	53.42
23 12 16 00-0009	EA		1" x 1-1/2", 2-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings .....	486.64	53.42
23 12 16 00-0010	EA		1-1/4" x 1-3/4", 2-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings .....	713.33	53.42
23 12 16 00-0011			<b>Three Braid Hose x 25'</b> <small>(23 12 16 00-0002)</small>		
23 12 16 00-0012	EA		1-1/2" x 2-3/32", 3-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings .....	566.18	26.38
23 12 16 00-0013	EA		2" x 2-21/32", 3-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings .....	699.05	35.61
23 12 16 00-0014	EA		2-1/2" x 3-3/16", 3-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings .....	991.30	44.18
23 12 16 00-0015	EA		3" x 3-3/4", 3-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings .....	1,247.89	53.42
23 12 16 00-0016			<b>Three Braid Hose x 50'</b> <small>(23 12 16 00-0002)</small>		
23 12 16 00-0017	EA		1-1/2" x 2-3/32", 3-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings .....	1,003.26	53.42
23 12 16 00-0018	EA		2" x 2-21/32", 3-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings .....	1,220.80	70.57
23 12 16 00-0019	EA		2-1/2" x 3-3/16", 3-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings .....	1,652.12	89.03
23 12 16 00-0020	EA		3" x 3-3/4", 3-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings .....	2,020.11	106.18
23 12 16 00-0021			<b>Tank Car Unloading Hose Assemblies</b> <small>(23 12 16 00-0001)</small>		
23 12 16 00-0022			<b>Flexible Galvanized Hose Assemblies</b> <small>(23 12 16 00-0021)</small> Note: Each end includes a female coupling.		
23 12 16 00-0023	EA		2" Inside Diameter x 10' Flexible Galvanized Hose Assembly With Female Coupling Each End .....	422.85	62.00
23 12 16 00-0024	EA		2-1/2" Inside Diameter x 10' Flexible Galvanized Hose Assembly With Female Coupling Each End .....	513.28	62.00
23 12 16 00-0025	EA		3" Inside Diameter x 10' Flexible Galvanized Hose Assembly With Female Coupling Each End .....	605.92	62.00
23 12 16 00-0026	EA		4" Inside Diameter x 10' Flexible Galvanized Hose Assembly With Female Coupling Each End .....	967.65	62.00
23 12 16 00-0027			<b>Standard Gas Station Pumps</b> <small>(23 12 16)</small>		
23 12 16 00-0028			<b>Gasoline Pumps</b> <small>(23 12 16 00-0027)</small> Note: With polished stainless steel dial frame, stainless steel nozzle side panel. Four wheel, self-timing meter, cable retractor, 120 mesh cartridge strainer (60 mesh for diesel fuels). Internal gear pump, reverse flow air separator, 1/2" connector. High speed pump, 3/4 H.P. motor, 1" hose and standard nozzle.		
23 12 16 00-0029	EA		Standard Gas Station Pump, 3/4 HP Motor 1" Hose And Standard Nozzle .....	5,138.62	527.62

**23 Heating, Ventilating, And Air-Conditioning (HVAC)**

**23 10 Facility Fuel Systems**

**23 12 Facility Fuel Pumps**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>23 12 16 00-0030</b>	<b>Gasoline Pumps With Vapor Recovery System</b> <small>(23 12 16 00-0027)</small>		
	Note: With polished stainless steel dial frame, stainless steel nozzle side panel. Four wheel, self-timing meter, cable retractor, 120 mesh cartridge strainer (60 mesh for diesel fuels). Internal gear pump, reverse flow air separator, 1/2" connector. High speed pump, 3/4 H.P. motor, 1" hose and standard nozzle.		
23 12 16 00-0031	EA Standard Gas Station Pump, 3/4 HP Motor 1" Hose And Standard Nozzle With Vapor Recovery .....	10,511.93	791.42

**23 12 23 Facility Natural-Gas Pumps** (23 12)

<b>23 12 23 00-0001</b>	<b>Natural Gas Booster Pump</b> <small>(23 12 23)</small>		
23 12 23 00-0002	EA Natural Gas Booster Pump, 3/4" Outlet Size .....	697.76	100.42
23 12 23 00-0003	EA Natural Gas Booster Pump, 1" Outlet Size .....	827.10	112.13
23 12 23 00-0004	EA Natural Gas Booster Pump, 1-1/4" Outlet Size .....	926.72	117.16
23 12 23 00-0005	EA Natural Gas Booster Pump, 1-1/2" Outlet Size .....	1,050.79	122.18
23 12 23 00-0006	EA Natural Gas Booster Pump, 2" Outlet Size .....	1,187.83	125.53

**23 13 Facility Fuel-Storage Tanks** (23 10)

**23 13 13 Facility Underground Fuel-Oil, Storage Tanks** (23 13)

**23 13 13 13 Double-Wall Steel, Underground Fuel-Oil, Storage Tanks** (23 13 13)

<b>23 13 13 13-0001</b>	<b>Coated Underground Double Wall Storage Tanks</b> <small>(23 13 13 13)</small>		
	Note: Includes setting in place with hold down bars and manway and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes excavation, pad, plastic lining, pumps and piping.		
23 13 13 13-0002	EA 250 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	8,117.50	416.82
23 13 13 13-0003	EA 550 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	8,766.42	416.82
23 13 13 13-0004	EA 1,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	12,658.84	521.00
23 13 13 13-0005	EA 2,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	17,370.25	1,017.64
23 13 13 13-0006	EA 3,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	27,623.30	1,308.32
23 13 13 13-0007	EA 4,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	30,778.25	1,502.65
23 13 13 13-0008	EA 5,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	33,265.45	1,986.82
23 13 13 13-0009	EA 6,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	34,408.01	2,133.19
23 13 13 13-0010	EA 8,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	41,984.78	2,520.10
23 13 13 13-0011	EA 10,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	48,622.92	2,906.75
23 13 13 13-0012	EA 12,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	62,141.51	3,196.52
23 13 13 13-0013	EA 14,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	73,677.58	3,881.09
23 13 13 13-0014	EA 15,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	76,116.14	4,118.85
23 13 13 13-0015	EA 20,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	93,559.00	6,533.35
23 13 13 13-0016	EA 25,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	115,029.29	8,472.15
23 13 13 13-0017	EA 30,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	135,498.84	9,693.69
23 13 13 13-0018	EA 40,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	174,043.37	10,420.71
23 13 13 13-0019	EA 48,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	235,402.60	10,687.94

**23 13 13 23 Glass-Fiber-Reinforced-Plastic, Underground Fuel-Oil, Storage Tanks** (23 13 13)

<b>23 13 13 23-0001</b>	<b>Underground Fiberglass Storage Tanks</b> <small>(23 13 13 23)</small>		
<b>23 13 13 23-0002</b>	<b>Single Wall Fiberglass Underground Storage Tanks</b> <small>(23 13 13 23-0001)</small>		
	Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.		
23 13 13 23-0003	EA 550 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	2,691.74	416.82
23 13 13 23-0004	EA 1,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	3,382.10	521.00
23 13 13 23-0005	EA 2,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	4,397.65	644.63
23 13 13 23-0006	EA 2,500 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	4,978.49	785.19
23 13 13 23-0007	EA 3,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	5,558.18	920.90
23 13 13 23-0008	EA 4,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	6,735.44	1,211.72
23 13 13 23-0009	EA 5,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	7,912.80	1,841.80
23 13 13 23-0010	EA 6,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	8,879.50	2,326.49
23 13 13 23-0011	EA 8,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	10,705.06	2,617.30
23 13 13 23-0012	EA 10,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	11,999.54	3,101.98
23 13 13 23-0013	EA 12,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	15,559.54	3,683.60
23 13 13 23-0014	EA 15,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	19,092.58	4,604.50
23 13 13 23-0015	EA 20,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	24,018.70	6,155.49
23 13 13 23-0016	EA 25,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	36,320.03	7,658.02
23 13 13 23-0017	EA 30,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	44,605.88	9,209.01
23 13 13 23-0018	EA 40,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	63,565.16	13,328.82
23 13 13 23-0019	EA 50,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	91,101.97	16,963.96

**23 13 13 23-0020 Double Wall Fiberglass Underground Storage Tanks** (23 13 13 23-0001)

	Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.		
23 13 13 23-0021	EA 550 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	5,294.90	416.82
23 13 13 23-0022	EA 1,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	6,986.85	521.00
23 13 13 23-0023	EA 2,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	8,375.64	630.09
23 13 13 23-0024	EA 3,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	10,860.62	920.96
23 13 13 23-0025	EA 4,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	12,148.35	1,211.72
23 13 13 23-0026	EA 5,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps .....	13,863.32	1,841.80



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 13 23-0027 EA 6,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	15,360.26	2,326.49
23 13 13 23-0028 EA 8,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	18,953.30	2,617.30
23 13 13 23-0029 EA 10,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	20,247.78	3,101.98
23 13 13 23-0030 EA 12,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	24,544.23	3,683.60
23 13 13 23-0031 EA 15,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	33,858.40	4,604.50
23 13 13 23-0032 EA 20,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	41,840.79	6,155.49
23 13 13 23-0033 EA 30,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	64,784.61	9,209.01
<b>23 13 13 23-0034    Underground Storage Tank Pump Enclosures <small>(23 13 13 23)</small></b>		
23 13 13 23-0035 EA Secondary Containment Collar.....	942.85	
23 13 13 23-0036 EA Turbine Enclosure With Lid 4' Long x 42" Diameter.....	942.85	
23 13 13 23-0037 EA Fitting Kit For Turbine Enclosure.....	188.57	
23 13 13 23-0038 EA Grommet Kits For Plumbing And Electrical.....	377.14	
23 13 13 23-0039 EA Turbine Electrical Coupling Kit.....	471.43	
<b>23 13 13 23-0040    Rehabilitation Of Fiberglass Reinforced Polyester (FRP) Lining Tanks <small>(23 13 13 23)</small></b>		
<small>23)</small> Note: Fiberglass Reinforced Plastic Tanks (Sodium Hypochlorite Storage Tanks).		
23 13 13 23-0041 DAY Fiberglass Reinforced Polyester (FRP) Storage Tank, Lining Inspection, Two Man Crew With Confined Space Certification, Maximum Of Two Tanks Per Day, 10 Hour Day.....	1,300.00	
Note: Includes inspection report and repair estimate.		
23 13 13 23-0042 SF Fiberglass Reinforced Polyester (FRP) Storage Tank, Interior Lining Repairs, Inner Surface And Interior Layer Repair.....	60.28	
Note: 50 SF minimum.		
23 13 13 23-0043 EA Fiberglass Reinforced Polyester (FRP) Storage Tank, Side Manway Installation, 24" Diameter Manway.....	5,319.34	
23 13 13 23-0044 EA Fiberglass Reinforced Polyester (FRP) Storage Tank, Side Manway Installation, 30" Diameter Manway.....	7,909.77	
23 13 13 23-0045 SF Fiberglass Reinforced Polyester (FRP) Storage Tank, Lining Replacement.....	73.31	
Note: Includes sandblasting, priming, lining and top coating. Excludes disposal of sandblasting sand.		
23 13 13 23-0046 LF Fiberglass Reinforced Polyester (FRP) Storage Tank, Seam Repair.....	156.40	
Note: Circumference of a tank knuckle (FT) = tank diameter (FT) x 3.14.		
23 13 13 23-0047 EA Fiberglass Reinforced Polyester (FRP) Storage Tank, 1" Non Gusseted Flange Installation, Includes Labor, Material And Removal Of Old Flange.....	2,349.31	
For Additional Flange Installation During The Same Day, Add	142.00	
23 13 13 23-0048 EA Fiberglass Reinforced Polyester (FRP) Storage Tank, 1-1/2" Non Gusseted Flange Installation, Includes Labor, Material And Removal Of Old Flange.....	2,367.23	
For Additional Flange Installation During The Same Day, Add	153.00	
23 13 13 23-0049 EA Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Non Gusseted Flange Installation, Includes Labor, Material And Removal Of Old Flange.....	2,404.70	
For Additional Flange Installation During The Same Day, Add	176.00	
23 13 13 23-0050 EA Fiberglass Reinforced Polyester (FRP) Storage Tank, 3" Non Gusseted Flange Installation, Includes Labor, Material And Removal Of Old Flange.....	2,502.45	
For Additional Flange Installation During The Same Day, Add	236.00	
23 13 13 23-0051 EA Fiberglass Reinforced Polyester (FRP) Storage Tank, 4" Non Gusseted Flange Installation, Includes Labor, Material And Removal Of Old Flange.....	2,538.29	
For Additional Flange Installation During The Same Day, Add	318.00	
23 13 13 23-0052 EA Fiberglass Reinforced Polyester (FRP) Storage Tank, 6" Non Gusseted Flange Installation, Includes Labor, Material And Removal Of Old Flange.....	2,727.28	
For Additional Flange Installation During The Same Day, Add	374.00	
23 13 13 23-0053 EA Fiberglass Reinforced Polyester (FRP) Storage Tank, 1" Gusseted Flange Installation, Includes Labor, Material And Removal Of Old Flange.....	2,520.37	
For Additional Flange Installation During The Same Day, Add	247.00	
For Blade Gusseted Outlet, Add	378.06	
23 13 13 23-0054 EA Fiberglass Reinforced Polyester (FRP) Storage Tank, 1-1/2" Gusseted Flange Installation, Includes Labor, Material And Removal Of Old Flange.....	2,546.44	
For Additional Flange Installation During The Same Day, Add	263.00	
For Blade Gusseted Outlet, Add	381.97	
23 13 13 23-0055 EA Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Gusseted Flange Installation, Includes Labor, Material And Removal Of Old Flange.....	2,624.64	
For Additional Flange Installation During The Same Day, Add	135.00	
For Blade Gusseted Outlet, Add	393.70	
23 13 13 23-0056 EA Fiberglass Reinforced Polyester (FRP) Storage Tank, 3" Gusseted Flange Installation, Includes Labor, Material And Removal Of Old Flange.....	2,787.56	
For Additional Flange Installation During The Same Day, Add	175.00	
For Blade Gusseted Outlet, Add	418.13	
23 13 13 23-0057 EA Fiberglass Reinforced Polyester (FRP) Storage Tank, 4" Gusseted Flange Installation, Includes Labor, Material And Removal Of Old Flange.....	2,888.57	
For Additional Flange Installation During The Same Day, Add	215.00	
For Blade Gusseted Outlet, Add	433.29	
23 13 13 23-0058 EA Fiberglass Reinforced Polyester (FRP) Storage Tank, 6" Gusseted Flange Installation, Includes Labor, Material And Removal Of Old Flange.....	3,150.87	
For Additional Flange Installation During The Same Day, Add	260.00	
For Blade Gusseted Outlet, Add	472.63	
23 13 13 23-0059 EA Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Gusseted Full Bottom Drain Flange Installation, Includes Labor, Material And Removal Of Old Flange.....	4,700.24	
For Blade Gusseted Outlet, Add	705.04	
23 13 13 23-0060 EA Fiberglass Reinforced Polyester (FRP) Storage Tank, 3/8" Female Threaded Coupling Installation, Includes Labor, Material And Removal Of Old Flange.....	2,272.73	
For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)	100.00	
For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add	200.00	
Note: (Total Of Three Couplings), Add		
For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add	300.00	
Note: (Total Of Four Couplings), Add		

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 13 23-0061 EA Fiberglass Reinforced Polyester (FRP) Storage Tank, 1/2" Female Threaded Coupling Installation, Includes Labor, Material And Removal Of Old Flange.....	2,272.73	
<i>For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)</i>	100.00	
<i>For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add Note: (Total Of Three Couplings), Add</i>	200.00	
<i>For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add Note: (Total Of Four Couplings), Add</i>	300.00	
23 13 13 23-0062 EA Fiberglass Reinforced Polyester (FRP) Storage Tank, 3/4" Female Threaded Coupling Installation, Includes Labor, Material And Removal Of Old Flange.....	2,272.73	
<i>For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)</i>	100.00	
<i>For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add Note: (Total Of Three Couplings), Add</i>	200.00	
<i>For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add Note: (Total Of Four Couplings), Add</i>	300.00	
23 13 13 23-0063 EA Fiberglass Reinforced Polyester (FRP) Storage Tank, 1" Female Threaded Coupling Installation, Includes Labor, Material And Removal Of Old Flange.....	2,272.73	
<i>For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)</i>	100.00	
<i>For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add Note: (Total Of Three Couplings), Add</i>	200.00	
<i>For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add Note: (Total Of Four Couplings), Add</i>	300.00	
23 13 13 23-0064 EA Fiberglass Reinforced Polyester (FRP) Storage Tank, 1-1/2" Female Threaded Coupling Installation, Includes Labor, Material And Removal Of Old Flange.....	2,272.73	
<i>For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)</i>	100.00	
<i>For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add Note: (Total Of Three Couplings), Add</i>	200.00	
<i>For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add Note: (Total Of Four Couplings), Add</i>	300.00	
23 13 13 23-0065 EA Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Female Threaded Coupling Installation, Includes Labor, Material And Removal Of Old Flange.....	2,272.73	
<i>For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)</i>	100.00	
<i>For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add Note: (Total Of Three Couplings), Add</i>	200.00	
<i>For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add Note: (Total Of Four Couplings), Add</i>	300.00	
23 13 13 23-0066 EA Fiberglass Reinforced Polyester (FRP) Storage Tank, 2-1/2" Female Threaded Coupling Installation, Includes Labor, Material And Removal Of Old Flange.....	2,354.19	
<i>For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)</i>	145.00	
<i>For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add Note: (Total Of Three Couplings), Add</i>	270.00	
<i>For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add Note: (Total Of Four Couplings), Add</i>	435.00	
23 13 13 23-0067 EA Fiberglass Reinforced Polyester (FRP) Storage Tank, 3" Female Threaded Coupling Installation, Includes Labor, Material And Removal Of Old Flange.....	2,354.19	
<i>For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)</i>	145.00	
<i>For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add Note: (Total Of Three Couplings), Add</i>	270.00	
<i>For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add Note: (Total Of Four Couplings), Add</i>	435.00	
23 13 13 23-0068 EA Fiberglass Reinforced Polyester (FRP) Storage Tank, 4" Female Threaded Coupling Installation, Includes Labor, Material And Removal Of Old Flange.....	2,354.19	
<i>For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)</i>	145.00	
<i>For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add Note: (Total Of Three Couplings), Add</i>	270.00	
<i>For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add Note: (Total Of Four Couplings), Add</i>	435.00	

**23 13 23 Facility Aboveground Fuel-Oil, Storage Tanks (23 13)****23 13 23 13 Vertical, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)****23 13 23 13-0001 Rectangle Double Wall Steel Fuel Day Tank (23 13 23 13)**

Note: Includes day tank with standard equipment, pump, pump control, level control, backup level control, level alarms, alarm outputs.

23 13 23 13-0002 EA 10 Gallon Double Wall Steel Day Tank (Tramont TRX).....	1,109.71	87.26
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0003 EA 15 Gallon Double Wall Steel Day Tank (Tramont TRX).....	1,193.71	91.61
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0004 EA 25 Gallon Double Wall Steel Day Tank (Tramont TRX).....	1,297.04	98.15
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0005 EA 50 Gallon Double Wall Steel Day Tank (Tramont TRX).....	1,498.01	104.71
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0006 EA 60 Gallon Double Wall Steel Day Tank (Tramont TRX).....	1,677.91	109.06
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0007 EA 75 Gallon Double Wall Steel Day Tank (Tramont TRX).....	1,975.83	130.88
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0008 EA 100 Gallon Double Wall Steel Day Tank (Tramont TRX).....	2,681.78	152.69
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0009 EA 150 Gallon Double Wall Steel Day Tank (Tramont TRX).....	3,412.15	174.50
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0010 EA 200 Gallon Double Wall Steel Day Tank (Tramont TRX).....	4,404.08	196.32
Note: Includes rust-inhibitor coated interior and gray painted exterior.		
23 13 23 13-0011 EA 275 Gallon Double Wall Steel Day Tank (Tramont TRX).....	4,909.51	218.13
Note: Includes rust-inhibitor coated interior and gray painted exterior.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0012 EA 300 Gallon Double Wall Steel Day Tank (Tramont TRX) ..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,606.48	261.76
23 13 23 13-0013 EA 350 Gallon Double Wall Steel Day Tank (Tramont TRX) ..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,268.58	305.38
23 13 23 13-0014 EA 400 Gallon Double Wall Steel Day Tank (Tramont TRX) ..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,951.61	349.01
23 13 23 13-0015 EA 450 Gallon Double Wall Steel Day Tank (Tramont TRX) ..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,730.80	370.82
23 13 23 13-0016 EA 500 Gallon Double Wall Steel Day Tank (Tramont TRX) ..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,515.21	392.64
23 13 23 13-0017 EA 550 Gallon Double Wall Steel Day Tank (Tramont TRX) ..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,409.50	414.45
23 13 23 13-0018 EA 600 Gallon Double Wall Steel Day Tank (Tramont TRX) ..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,188.69	436.26
23 13 23 13-0019 EA 700 Gallon Double Wall Steel Day Tank (Tramont TRX) ..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,310.61	523.51
23 13 23 13-0020 EA 800 Gallon Double Wall Steel Day Tank (Tramont TRX) ..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,197.65	567.14
23 13 23 13-0021 EA 900 Gallon Double Wall Steel Day Tank (Tramont TRX) ..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	13,356.19	654.39
23 13 23 13-0022 EA 1,000 Gallon Double Wall Steel Day Tank (Tramont TRX) ..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	14,519.96	741.64
23 13 23 13-0023 EA 10 Gallon Double Wall Steel Day Tank (Tramont UTRX) ..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,364.30	87.26
23 13 23 13-0024 EA 15 Gallon Double Wall Steel Day Tank (Tramont UTRX) ..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,450.04	91.61
23 13 23 13-0025 EA 25 Gallon Double Wall Steel Day Tank (Tramont UTRX) ..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,553.37	98.15
23 13 23 13-0026 EA 50 Gallon Double Wall Steel Day Tank (Tramont UTRX) ..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,752.59	104.71
23 13 23 13-0027 EA 60 Gallon Double Wall Steel Day Tank (Tramont UTRX) ..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,932.49	109.06
23 13 23 13-0028 EA 75 Gallon Double Wall Steel Day Tank (Tramont UTRX) ..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,232.16	130.88
23 13 23 13-0029 EA 100 Gallon Double Wall Steel Day Tank (Tramont UTRX) ..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,962.52	152.69
23 13 23 13-0030 EA 150 Gallon Double Wall Steel Day Tank (Tramont UTRX) ..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,692.90	174.50
23 13 23 13-0031 EA 200 Gallon Double Wall Steel Day Tank (Tramont UTRX) ..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,684.82	196.32
23 13 23 13-0032 EA 275 Gallon Double Wall Steel Day Tank (Tramont UTRX) ..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,190.25	218.13
23 13 23 13-0033 EA 300 Gallon Double Wall Steel Day Tank (Tramont UTRX) ..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,887.22	261.76
23 13 23 13-0034 EA 350 Gallon Double Wall Steel Day Tank (Tramont UTRX) ..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,549.32	305.38
23 13 23 13-0035 EA 400 Gallon Double Wall Steel Day Tank (Tramont UTRX) ..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,232.35	349.01
23 13 23 13-0036 EA 450 Gallon Double Wall Steel Day Tank (Tramont UTRX) ..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,011.54	370.82
23 13 23 13-0037 EA 500 Gallon Double Wall Steel Day Tank (Tramont UTRX) ..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,795.96	392.64
23 13 23 13-0038 EA 550 Gallon Double Wall Steel Day Tank (Tramont UTRX) ..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,691.99	414.45
23 13 23 13-0039 EA 600 Gallon Double Wall Steel Day Tank (Tramont UTRX) ..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,471.18	436.26
23 13 23 13-0040 EA 700 Gallon Double Wall Steel Day Tank (Tramont UTRX) ..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,591.35	523.51
23 13 23 13-0041 EA 800 Gallon Double Wall Steel Day Tank (Tramont UTRX) ..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,478.39	567.14
23 13 23 13-0042 EA 900 Gallon Double Wall Steel Day Tank (Tramont UTRX) ..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	13,636.93	654.39
23 13 23 13-0043 EA 1,000 Gallon Double Wall Steel Day Tank (Tramont UTRX) ..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	14,800.70	741.64
23 13 23 13-0044 EA 10 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,328.60	87.26
23 13 23 13-0045 EA 15 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,403.87	91.61
23 13 23 13-0046 EA 25 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,468.84	98.15
23 13 23 13-0047 EA 50 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,737.81	104.71
23 13 23 13-0048 EA 60 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,837.50	109.06
23 13 23 13-0049 EA 75 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,124.96	130.88
23 13 23 13-0050 EA 100 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,766.39	152.69
23 13 23 13-0051 EA 150 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,772.28	174.50
23 13 23 13-0052 EA 200 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,366.63	196.32
23 13 23 13-0053 EA 275 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,054.32	218.13

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0054 EA 300 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,957.05	261.76
23 13 23 13-0055 EA 350 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,483.14	305.38
23 13 23 13-0056 EA 400 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,215.00	349.01
23 13 23 13-0057 EA 450 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,957.56	370.82
23 13 23 13-0058 EA 500 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,944.26	392.64
23 13 23 13-0059 EA 550 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,341.57	414.45
23 13 23 13-0060 EA 600 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,695.29	436.26
23 13 23 13-0061 EA 700 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	13,352.54	523.51
23 13 23 13-0062 EA 800 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	15,001.60	567.14
23 13 23 13-0063 EA 900 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	16,763.47	654.39
23 13 23 13-0064 EA 1,000 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	18,554.99	741.64
23 13 23 13-0065 EA 10 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,479.47	87.26
23 13 23 13-0066 EA 15 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,554.75	91.61
23 13 23 13-0067 EA 25 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,619.71	98.15
23 13 23 13-0068 EA 50 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,888.69	104.71
23 13 23 13-0069 EA 60 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,988.38	109.06
23 13 23 13-0070 EA 75 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,275.84	130.88
23 13 23 13-0071 EA 100 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,917.27	152.69
23 13 23 13-0072 EA 150 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,923.15	174.50
23 13 23 13-0073 EA 200 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,594.23	196.32
23 13 23 13-0074 EA 275 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,804.13	218.13
23 13 23 13-0075 EA 300 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,706.87	261.76
23 13 23 13-0076 EA 350 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,234.69	305.38
23 13 23 13-0077 EA 400 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,964.81	349.01
23 13 23 13-0078 EA 450 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,709.12	370.82
23 13 23 13-0079 EA 500 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,694.07	392.64
23 13 23 13-0080 EA 550 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,091.39	414.45
23 13 23 13-0081 EA 600 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,445.10	436.26
23 13 23 13-0082 EA 700 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	14,102.35	523.51
23 13 23 13-0083 EA 800 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	15,753.15	567.14
23 13 23 13-0084 EA 900 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	17,513.29	654.39
23 13 23 13-0085 EA 1,000 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	19,304.81	741.64
23 13 23 13-0086 EA 10 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,122.91	87.26
23 13 23 13-0087 EA 15 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,206.91	91.61
23 13 23 13-0088 EA 25 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,273.62	98.15
23 13 23 13-0089 EA 50 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,551.31	104.71
23 13 23 13-0090 EA 60 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,699.83	109.06
23 13 23 13-0091 EA 75 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,959.39	130.88
23 13 23 13-0092 EA 100 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,626.97	152.69



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0093 EA 150 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,681.68	174.50
23 13 23 13-0094 EA 200 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,298.70	196.32
23 13 23 13-0095 EA 275 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,052.66	218.13
23 13 23 13-0096 EA 300 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,004.22	261.76
23 13 23 13-0097 EA 350 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,476.25	305.38
23 13 23 13-0098 EA 400 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,312.73	349.01
23 13 23 13-0099 EA 450 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,215.72	370.82
23 13 23 13-0100 EA 500 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,123.95	392.64
23 13 23 13-0101 EA 550 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,571.83	414.45
23 13 23 13-0102 EA 600 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,899.39	436.26
23 13 23 13-0103 EA 700 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	15,635.11	523.51
23 13 23 13-0104 EA 800 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	17,366.12	567.14
23 13 23 13-0105 EA 900 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	19,209.96	654.39
23 13 23 13-0106 EA 1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	21,079.95	741.64
23 13 23 13-0107 EA 10 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,273.79	87.26
23 13 23 13-0108 EA 15 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,357.78	91.61
23 13 23 13-0109 EA 25 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,424.49	98.15
23 13 23 13-0110 EA 50 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,702.19	104.71
23 13 23 13-0111 EA 60 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,850.70	109.06
23 13 23 13-0112 EA 75 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,106.77	130.88
23 13 23 13-0113 EA 100 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,777.85	152.69
23 13 23 13-0114 EA 150 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,832.56	174.50
23 13 23 13-0115 EA 200 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,449.58	196.32
23 13 23 13-0116 EA 275 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,802.47	218.13
23 13 23 13-0117 EA 300 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,754.03	261.76
23 13 23 13-0118 EA 350 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,400.43	305.38
23 13 23 13-0119 EA 400 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,062.54	349.01
23 13 23 13-0120 EA 450 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,965.53	370.82



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0121 EA 500 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,873.76	392.64
23 13 23 13-0122 EA 550 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,321.64	414.45
23 13 23 13-0123 EA 600 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,650.94	436.26
23 13 23 13-0124 EA 700 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,384.92	523.51
23 13 23 13-0125 EA 800 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	18,115.94	567.14
23 13 23 13-0126 EA 900 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	19,959.77	654.39
23 13 23 13-0127 EA 1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	21,829.76	741.64
23 13 23 13-0128 EA 150% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	1,098.34	87.26
23 13 23 13-0129 EA 150% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	1,193.08	91.61
23 13 23 13-0130 EA 150% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	1,296.06	98.15
23 13 23 13-0131 EA 150% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,488.80	104.71
23 13 23 13-0132 EA 150% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	2,009.36	109.06
23 13 23 13-0133 EA 150% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	2,045.72	130.88
23 13 23 13-0134 EA 150% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	2,583.85	152.69
23 13 23 13-0135 EA 150% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	3,211.76	174.50
23 13 23 13-0136 EA 150% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	4,251.67	196.32
23 13 23 13-0137 EA 150% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	5,369.86	218.13
23 13 23 13-0138 EA 150% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	6,446.13	261.76
23 13 23 13-0139 EA 150% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	6,903.23	305.38
23 13 23 13-0140 EA 150% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	7,362.65	349.01
23 13 23 13-0141 EA 150% Containment Double Wall Open Top Basin For 450 Gallon Tank.....	8,096.43	370.82
23 13 23 13-0142 EA 150% Containment Double Wall Open Top Basin For 500 Gallon Tank.....	8,832.51	392.64
23 13 23 13-0143 EA 150% Containment Double Wall Open Top Basin For 550 Gallon Tank.....	9,469.64	414.45
23 13 23 13-0144 EA 150% Containment Double Wall Open Top Basin For 600 Gallon Tank.....	10,113.64	436.26
23 13 23 13-0145 EA 150% Containment Double Wall Open Top Basin For 700 Gallon Tank.....	11,414.54	523.51
23 13 23 13-0146 EA 150% Containment Double Wall Open Top Basin For 800 Gallon Tank.....	12,684.15	567.14
23 13 23 13-0147 EA 150% Containment Double Wall Open Top Basin For 900 Gallon Tank.....	14,063.31	654.39
23 13 23 13-0148 EA 150% Containment Double Wall Open Top Basin For 1,000 Gallon Tank.....	15,391.83	741.64
23 13 23 13-0149 EA 200% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	1,158.55	91.61
23 13 23 13-0150 EA 200% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	1,261.79	98.15
23 13 23 13-0151 EA 200% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	1,369.88	104.71
23 13 23 13-0152 EA 200% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,569.09	109.06
23 13 23 13-0153 EA 200% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	2,147.25	130.88
23 13 23 13-0154 EA 200% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	2,183.60	152.69
23 13 23 13-0155 EA 200% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	2,749.62	174.50
23 13 23 13-0156 EA 200% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	3,410.38	196.32
23 13 23 13-0157 EA 200% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	4,506.06	218.13
23 13 23 13-0158 EA 200% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	5,684.33	239.95
23 13 23 13-0159 EA 200% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	6,816.36	283.56
23 13 23 13-0160 EA 200% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	7,294.83	327.19
23 13 23 13-0161 EA 200% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	7,775.72	370.82
23 13 23 13-0162 EA 200% Containment Double Wall Open Top Basin For 450 Gallon Tank.....	8,548.24	392.64
23 13 23 13-0163 EA 200% Containment Double Wall Open Top Basin For 500 Gallon Tank.....	9,323.21	414.45
23 13 23 13-0164 EA 200% Containment Double Wall Open Top Basin For 550 Gallon Tank.....	9,993.71	436.26
23 13 23 13-0165 EA 200% Containment Double Wall Open Top Basin For 600 Gallon Tank.....	10,707.82	479.88
23 13 23 13-0166 EA 200% Containment Double Wall Open Top Basin For 700 Gallon Tank.....	12,072.91	567.14
23 13 23 13-0167 EA 200% Containment Double Wall Open Top Basin For 800 Gallon Tank.....	13,481.74	654.39
23 13 23 13-0168 EA 200% Containment Double Wall Open Top Basin For 900 Gallon Tank.....	14,929.44	741.64
23 13 23 13-0169 EA 200% Containment Double Wall Open Top Basin For 1,000 Gallon Tank.....	16,323.68	828.90
23 13 23 13-0170 EA 150% Containment Double Wall Sealed Top Basin For 10 Gallon Tank.....	1,280.18	87.26
23 13 23 13-0171 EA 150% Containment Double Wall Sealed Top Basin For 15 Gallon Tank.....	1,397.94	91.61
23 13 23 13-0172 EA 150% Containment Double Wall Sealed Top Basin For 25 Gallon Tank.....	1,514.73	98.15
23 13 23 13-0173 EA 150% Containment Double Wall Sealed Top Basin For 50 Gallon Tank.....	1,753.50	104.71
23 13 23 13-0174 EA 150% Containment Double Wall Sealed Top Basin For 60 Gallon Tank.....	2,373.04	109.06
23 13 23 13-0175 EA 150% Containment Double Wall Sealed Top Basin For 75 Gallon Tank.....	2,409.40	130.88
23 13 23 13-0176 EA 150% Containment Double Wall Sealed Top Basin For 100 Gallon Tank.....	3,030.39	152.69
23 13 23 13-0177 EA 150% Containment Double Wall Sealed Top Basin For 150 Gallon Tank.....	3,766.48	174.50
23 13 23 13-0178 EA 150% Containment Double Wall Sealed Top Basin For 200 Gallon Tank.....	4,994.51	196.32
23 13 23 13-0179 EA 150% Containment Double Wall Sealed Top Basin For 275 Gallon Tank.....	6,373.42	218.13
23 13 23 13-0180 EA 150% Containment Double Wall Sealed Top Basin For 300 Gallon Tank.....	7,654.55	261.76
23 13 23 13-0181 EA 150% Containment Double Wall Sealed Top Basin For 350 Gallon Tank.....	8,183.00	305.38
23 13 23 13-0182 EA 150% Containment Double Wall Sealed Top Basin For 400 Gallon Tank.....	8,716.07	349.01
23 13 23 13-0183 EA 150% Containment Double Wall Sealed Top Basin For 450 Gallon Tank.....	9,594.86	370.82
23 13 23 13-0184 EA 150% Containment Double Wall Sealed Top Basin For 500 Gallon Tank.....	10,475.96	392.64
23 13 23 13-0185 EA 150% Containment Double Wall Sealed Top Basin For 550 Gallon Tank.....	11,221.26	414.45
23 13 23 13-0186 EA 150% Containment Double Wall Sealed Top Basin For 600 Gallon Tank.....	11,984.96	436.26
23 13 23 13-0187 EA 150% Containment Double Wall Sealed Top Basin For 700 Gallon Tank.....	13,527.54	523.51
23 13 23 13-0188 EA 150% Containment Double Wall Sealed Top Basin For 800 Gallon Tank.....	15,041.15	567.14



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0189 EA 150% Containment Double Wall Sealed Top Basin For 900 Gallon Tank .....	16,661.99	654.39
23 13 23 13-0190 EA 150% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank .....	18,232.19	741.64
23 13 23 13-0191 EA 200% Containment Double Wall Sealed Top Basin For 10 Gallon Tank .....	1,350.50	91.61
23 13 23 13-0192 EA 200% Containment Double Wall Sealed Top Basin For 15 Gallon Tank .....	1,478.03	98.15
23 13 23 13-0193 EA 200% Containment Double Wall Sealed Top Basin For 25 Gallon Tank .....	1,600.69	104.71
23 13 23 13-0194 EA 200% Containment Double Wall Sealed Top Basin For 50 Gallon Tank .....	1,848.49	109.06
23 13 23 13-0195 EA 200% Containment Double Wall Sealed Top Basin For 60 Gallon Tank .....	2,531.13	130.88
23 13 23 13-0196 EA 200% Containment Double Wall Sealed Top Basin For 75 Gallon Tank .....	2,567.48	152.69
23 13 23 13-0197 EA 200% Containment Double Wall Sealed Top Basin For 100 Gallon Tank .....	3,220.97	174.50
23 13 23 13-0198 EA 200% Containment Double Wall Sealed Top Basin For 150 Gallon Tank .....	3,995.92	196.32
23 13 23 13-0199 EA 200% Containment Double Wall Sealed Top Basin For 200 Gallon Tank .....	5,290.17	218.13
23 13 23 13-0200 EA 200% Containment Double Wall Sealed Top Basin For 275 Gallon Tank .....	6,743.65	239.95
23 13 23 13-0201 EA 200% Containment Double Wall Sealed Top Basin For 300 Gallon Tank .....	8,091.91	283.56
23 13 23 13-0202 EA 200% Containment Double Wall Sealed Top Basin For 350 Gallon Tank .....	8,645.70	327.19
23 13 23 13-0203 EA 200% Containment Double Wall Sealed Top Basin For 400 Gallon Tank .....	9,204.33	370.82
23 13 23 13-0204 EA 200% Containment Double Wall Sealed Top Basin For 450 Gallon Tank .....	10,129.93	392.64
23 13 23 13-0205 EA 200% Containment Double Wall Sealed Top Basin For 500 Gallon Tank .....	11,057.96	414.45
23 13 23 13-0206 EA 200% Containment Double Wall Sealed Top Basin For 550 Gallon Tank .....	11,842.63	436.26
23 13 23 13-0207 EA 200% Containment Double Wall Sealed Top Basin For 600 Gallon Tank .....	12,683.11	479.88
23 13 23 13-0208 EA 200% Containment Double Wall Sealed Top Basin For 700 Gallon Tank .....	14,303.31	567.14
23 13 23 13-0209 EA 200% Containment Double Wall Sealed Top Basin For 800 Gallon Tank .....	15,969.67	654.39
23 13 23 13-0210 EA 200% Containment Double Wall Sealed Top Basin For 900 Gallon Tank .....	17,672.48	741.64
23 13 23 13-0211 EA 200% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank .....	19,321.84	828.90

**23 13 23 16 Horizontal, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)**

**23 13 23 16-0001 Single Wall Aboveground Storage Tanks (23 13 23 16)**

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, excavation and backfill.

23 13 23 16-0002 EA 300 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	2,586.95	474.22
For 1/4" Thick Shell, Add	388.04	
23 13 23 16-0003 EA 550 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	3,111.00	574.04
For 1/4" Thick Shell, Add	466.65	
23 13 23 16-0004 EA 1,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	4,120.61	730.17
For 1/4" Thick Shell, Add	618.09	
23 13 23 16-0005 EA 1,500 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	5,321.80	912.71
For 1/4" Thick Shell, Add	798.27	
23 13 23 16-0006 EA 2,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	6,372.58	1,190.97
For 1/4" Thick Shell, Add	955.89	
23 13 23 16-0007 EA 3,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	9,532.89	1,226.00
For 1/4" Thick Shell, Add	1,429.93	
23 13 23 16-0008 EA 5,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	13,823.59	1,515.77
For 1/4" Thick Shell, Add	2,073.54	
23 13 23 16-0009 EA 8,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	18,937.04	1,736.79
23 13 23 16-0010 EA 10,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	22,546.99	1,894.67
23 13 23 16-0011 EA 12,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	26,157.56	2,084.14
23 13 23 16-0012 EA 15,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	28,957.72	2,315.69
23 13 23 16-0013 EA 20,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	36,182.18	2,977.32
23 13 23 16-0014 EA 30,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	49,346.71	3,473.57

**23 13 23 16-0015 Double Wall Aboveground Storage Tanks (23 13 23 16)**

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, excavation and backfill.

23 13 23 16-0016 EA 300 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings .....	4,062.25	591.72
For 1/4" Thick Shell, Add	974.94	
23 13 23 16-0017 EA 550 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings .....	4,882.65	716.05
For 1/4" Thick Shell, Add	1,171.84	
23 13 23 16-0018 EA 1,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings .....	6,486.96	912.71
For 1/4" Thick Shell, Add	1,556.87	
23 13 23 16-0019 EA 1,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings .....	8,395.11	1,140.89
For 1/4" Thick Shell, Add	2,014.83	
23 13 23 16-0020 EA 2,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings .....	9,965.87	1,488.70
For 1/4" Thick Shell, Add	2,391.81	
23 13 23 16-0021 EA 3,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings .....	15,237.33	1,532.44
For 1/4" Thick Shell, Add	3,656.96	
23 13 23 16-0022 EA 5,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings .....	22,241.20	1,887.81
For 1/4" Thick Shell, Add	5,337.89	
23 13 23 16-0023 EA 8,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings .....	30,682.74	2,171.00
23 13 23 16-0024 EA 10,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings .....	36,634.38	2,368.36
23 13 23 16-0025 EA 12,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings .....	42,568.31	2,605.15
23 13 23 16-0026 EA 15,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings .....	47,120.22	2,894.66
23 13 23 16-0027 EA 20,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings .....	58,826.23	3,721.67

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 16-0028 EA 30,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings .....	80,577.38	4,341.94
<b>23 13 23 16-0029 Accessories For Single Compartment Aboveground Storage Tanks (23 13 23 16)</b>		
Note: Steel vessel with precast concrete shell.		
23 13 23 16-0030 EA 2" x 15" Carbon Steel Riser .....	69.52	
23 13 23 16-0031 EA 2" x 1 1/2" High Impact Valve.....	194.64	
23 13 23 16-0032 EA 4" 8oz Emergency Vent .....	125.13	
23 13 23 16-0033 EA Strike Plate, Per Opening .....	125.13	
23 13 23 16-0034 EA 1 Point High/Low Monitor Package With Sensor.....	1,529.33	
23 13 23 16-0035 EA 4 Point High/Low Monitor Package With Sensor.....	3,753.81	
23 13 23 16-0036 EA Gasoline Dispensing Package, 4,000 - 12,000 Gallon Tank.....	3,614.78	
23 13 23 16-0037 EA Diesel Dispensing Package, 250 - 300 Gallon Tank.....	2,572.06	
23 13 23 16-0038 EA Diesel Dispensing Package, 4,000 - 12,000 Gallon Tank.....	1,807.39	
23 13 23 16-0039 EA Interstitial Mechanical Leak Detection Gauge, 4,000 Gallons And Over Tanks .....	180.74	
23 13 23 16-0040 EA Remote Dispenser, SS Twin Product.....	8,112.40	
<b>23 13 23 19 Containment-Dike, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)</b>		
<b>23 13 23 19-0001 Secondary Containment For Above Ground Tanks (23 13 23 19)</b>		
23 13 23 19-0002 EA Steel Dike For 550 Gallon Tank, Uncoated.....	3,321.57	
23 13 23 19-0003 EA Steel Dike For 1,000 Gallon Tank, Uncoated.....	4,013.12	
23 13 23 19-0004 EA Steel Dike For 2,000 Gallon Tank, Uncoated.....	8,777.25	
23 13 23 19-0005 EA Steel Dike For 3,000 Gallon Tank, Uncoated.....	9,605.00	
23 13 23 19-0006 EA Steel Dike For 5,000 Gallon Tank, Uncoated.....	13,655.10	
23 13 23 19-0007 EA Steel Dike For 6,000 Gallon Tank, Uncoated.....	15,298.69	
23 13 23 19-0008 EA Steel Dike For 8,000 Gallon Tank, Uncoated.....	20,198.99	
23 13 23 19-0009 EA Steel Dike For 10,000 Gallon Tank, Uncoated.....	23,701.74	
23 13 23 19-0010 EA Steel Dike For 12,000 Gallon Tank, Uncoated.....	26,932.01	
23 13 23 19-0011 EA Steel Dike For 15,000 Gallon Tank, Uncoated.....	32,792.32	
23 13 23 19-0012 EA Steel Dike For 20,000 Gallon Tank, Uncoated.....	41,984.80	
<b>23 13 23 26 Concrete-Vaulted, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)</b>		
<b>23 13 23 26-0001 Aboveground Concrete Vaulted Storage Tanks (23 13 23 26)</b>		
Note: Includes setting in place with stand, NPT openings for an emergency vent, regular vent, gauge, fill with an internal 5 gallon minimum overfill containment, supply and return and leak detection. All tanks that are 2000 gallon and larger shall have a ladder for access. Excludes excavation, pad, pumps and piping.		
23 13 23 26-0002 EA 500 Gallon Concrete Vaulted Storage Tank .....	18,360.35	901.45
For Low Profile Tanks, Add	6,841.00	
23 13 23 26-0003 EA 1,000 Gallon Concrete Vaulted Storage Tank .....	23,146.12	1,017.64
For Low Profile Tanks, Add	8,690.46	
23 13 23 26-0004 EA 2,000 Gallon Concrete Vaulted Storage Tank .....	41,178.50	1,211.72
For Low Profile Tanks, Add	15,795.10	
23 13 23 26-0005 EA 4,000 Gallon Concrete Vaulted Storage Tank .....	65,101.71	2,665.18
23 13 23 26-0006 EA 5,000 Gallon Concrete Vaulted Storage Tank .....	74,405.55	2,910.83
23 13 23 26-0007 EA 6,000 Gallon Concrete Vaulted Storage Tank .....	83,760.65	3,143.47
23 13 23 26-0008 EA 8,000 Gallon Concrete Vaulted Storage Tank .....	93,102.76	3,411.08
23 13 23 26-0009 EA 10,000 Gallon Concrete Vaulted Storage Tank .....	102,440.67	3,630.94
<b>23 13 33 Facility Fuel-Oil, Storage Tank Accessories (23 13)</b>		
<b>23 13 33 00-0001 EPA Requirements (23 13 33)</b>		
23 13 33 00-0002 EA Fill Pipe Spill Containment Manhole (5 Gallon).....	597.24	
23 13 33 00-0003 EA Over-Fill Prevention Valve .....	1,293.87	
23 13 33 00-0004 EA Tank Manway With Cover, Fiberglass .....	1,885.43	
23 13 33 00-0005 EA Tank Manway With Cover, Steel .....	1,795.30	
23 13 33 00-0006 EA Vent Fill Alarm (Whistle Vent) .....	84.72	
23 13 33 00-0007 EA Reservoir Sensor, Liquid Level .....	230.00	
23 13 33 00-0008 EA Manhole Spill Containment .....	862.73	164.88
23 13 33 00-0009 EA Fill Adapter, 4" .....	195.24	109.94
23 13 33 00-0010 EA Fill Cap, 4" .....	131.58	41.22
23 13 33 00-0011 EA Vent Cap, 2".....	79.91	27.50
23 13 33 00-0012 EA 4" X 2" Extractor Fitting.....	254.23	41.22
23 13 33 00-0013 EA Float Vent Valve.....	292.65	82.44
23 13 33 00-0014 EA Vapor Hose Adapter .....	248.33	54.94
23 13 33 00-0015 EA Dust Cap.....	109.10	30.00
23 13 33 00-0016 EA 1" Double Poppet Foot Valve.....	379.72	47.09
23 13 33 00-0017 EA 10' Wood Gage Stick .....	29.44	
23 13 33 00-0018 EA 1-1/4" Tank Filled Breather, NPT .....	88.67	
23 13 33 00-0019 EA 1-1/2" Tank Filled Breather, Bayonet.....	118.98	
23 13 33 00-0020 EA 2" Cast Iron Combination Fill Cap And Vent .....	57.72	
23 13 33 00-0021 EA 3" Cast Iron Combination Fill Cap And Vent .....	79.56	
23 13 33 00-0022 EA 4" Cast Iron Combination Fill Cap And Vent .....	128.12	
23 13 33 00-0023 EA Pressure And Vacuum Control Vent .....	522.61	
23 13 33 00-0024 EA 1/4 HP Fuel/Diesel Pump Set .....	1,074.43	
23 13 33 00-0025 EA 1/3 HP Fuel/Diesel Pump Set .....	1,271.54	
23 13 33 00-0026 EA 1/2 HP Fuel/Diesel Pump Set .....	1,385.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 33 00-0027 EA 3/4 HP Fuel/Diesel Pump Set .....	1,518.58	
23 13 33 00-0028 EA 1 HP Fuel/Diesel Pump Set .....	2,176.51	
23 13 33 00-0029 EA 1-1/2 HP Fuel/Diesel Pump Set .....	2,689.21	
23 13 33 00-0030 EA 2 HP Fuel/Diesel Pump Set .....	2,977.07	
23 13 33 00-0031 EA 3 HP Fuel/Diesel Pump Set .....	3,660.63	
23 13 33 00-0032 EA 5 HP Fuel/Diesel Pump Set .....	4,334.55	
23 13 33 00-0033 EA 7.5 HP Fuel/Diesel Pump Set .....	4,851.99	
23 13 33 00-0034 EA 10 HP Fuel/Diesel Pump Set .....	5,604.85	
<b>23 13 33 00-0035 Tank Bulkhead Fittings</b> <small>(23 13 33)</small>		
<b>23 13 33 00-0036 Tank Bulkhead Fittings</b> <small>(23 13 33 00-0035)</small>		
<b>23 13 33 00-0037 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Socket x Threaded Connection</b> <small>(23 13 33 00-0036)</small>		
23 13 33 00-0038 EA 1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	32.74	
23 13 33 00-0039 EA 3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	36.63	
23 13 33 00-0040 EA 1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	40.29	
23 13 33 00-0041 EA 1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	49.13	
23 13 33 00-0042 EA 1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	50.54	
23 13 33 00-0043 EA 2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	67.44	
23 13 33 00-0044 EA 3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	109.05	
23 13 33 00-0045 EA 4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	194.20	
<b>23 13 33 00-0046 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Thread x Threaded Connection</b> <small>(23 13 33 00-0036)</small>		
23 13 33 00-0047 EA 1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread .....	38.59	
23 13 33 00-0048 EA 3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread .....	42.46	
23 13 33 00-0049 EA 1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread .....	46.35	
23 13 33 00-0050 EA 1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread .....	58.55	
23 13 33 00-0051 EA 1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread .....	62.43	
23 13 33 00-0052 EA 2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread .....	78.22	
23 13 33 00-0053 EA 3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread .....	123.41	
23 13 33 00-0054 EA 4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread .....	214.61	
<b>23 13 33 00-0055 Chlorinated Polyvinyl Chloride (CPVC) Tank Bulkhead Fittings, Socket x Threaded Connection</b> <small>(23 13 33 00-0036)</small>		
23 13 33 00-0056 EA 1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	39.92	
23 13 33 00-0057 EA 3/4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	46.29	
23 13 33 00-0058 EA 1" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	52.42	
23 13 33 00-0059 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	68.26	
23 13 33 00-0060 EA 2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	90.33	
23 13 33 00-0061 EA 3" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	142.94	
23 13 33 00-0062 EA 4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	226.74	
<b>23 13 33 00-0063 Polypropylene Tank Bulkhead Fitting Thread x Threaded Connection</b> <small>(23 13 33 00-0036)</small>		
23 13 33 00-0064 EA 1/2" Polypropylene Bulkhead Fitting, Thread x Thread.....	47.34	
23 13 33 00-0065 EA 3/4" Polypropylene Bulkhead Fitting, Thread x Thread.....	56.16	
23 13 33 00-0066 EA 1" Polypropylene Bulkhead Fitting, Thread x Thread.....	69.69	
23 13 33 00-0067 EA 1-1/4" Polypropylene Bulkhead Fitting, Thread x Thread.....	85.47	
23 13 33 00-0068 EA 1-1/2" Polypropylene Bulkhead Fitting, Thread x Thread.....	86.88	
23 13 33 00-0069 EA 2" Polypropylene Bulkhead Fitting, Thread x Thread.....	126.00	
23 13 33 00-0070 EA 3" Polypropylene Bulkhead Fitting, Thread x Thread.....	229.09	
23 13 33 00-0071 EA 4" Polypropylene Bulkhead Fitting, Thread x Thread.....	412.98	
<b>23 13 33 00-0072 Polyethylene Tank Bulkhead Fittings Thread x Threaded Connection</b> <small>(23 13 33 00-0036)</small>		
23 13 33 00-0073 EA 3/4" Polyethylene Bulkhead Fitting, Thread x Thread.....	40.89	
23 13 33 00-0074 EA 1" Polyethylene Bulkhead Fitting, Thread x Thread.....	53.47	
23 13 33 00-0075 EA 1-1/4" Polyethylene Bulkhead Fitting, Thread x Thread.....	54.89	
23 13 33 00-0076 EA 1-1/2" Polyethylene Bulkhead Fitting, Thread x Thread.....	56.30	
23 13 33 00-0077 EA 2" Polyethylene Bulkhead Fitting, Thread x Thread.....	80.00	
23 13 33 00-0078 EA 3" Polyethylene Bulkhead Fitting, Thread x Thread.....	101.94	
<b>23 13 33 00-0079 TFE Teflon Tank Bulkhead Fittings, Thread x Threaded Connection</b> <small>(23 13 33 00-0036)</small>		
23 13 33 00-0080 EA 1/8" TFE Teflon Bulkhead Fitting, Thread x Thread.....	188.82	
23 13 33 00-0081 EA 1/4" TFE Teflon Bulkhead Fitting, Thread x Thread.....	215.87	
23 13 33 00-0082 EA 3/8" TFE Teflon Bulkhead Fitting, Thread x Thread.....	265.92	
23 13 33 00-0083 EA 1/2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	306.93	
23 13 33 00-0084 EA 3/4" TFE Teflon Bulkhead Fitting, Thread x Thread.....	353.81	
23 13 33 00-0085 EA 1" TFE Teflon Bulkhead Fitting, Thread x Thread.....	446.28	
23 13 33 00-0086 EA 1-1/2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	580.21	
23 13 33 00-0087 EA 2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	641.19	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)**

**23 10 Facility Fuel Systems**

**23 13 Facility Fuel-Storage Tanks**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>23 13 33 00-0088</b>	<b>Self-Aligning Bulkhead Fittings</b> <small>(23 13 33 00-0035)</small>		
23 13 33 00-0089	EA 3/4" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	192.40	
23 13 33 00-0090	EA 1" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	192.32	
23 13 33 00-0091	EA 1-1/2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	281.80	
23 13 33 00-0092	EA 2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	287.43	
23 13 33 00-0093	EA 3" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	389.14	

<b>23 13 33 00-0094</b>	<b>Rehabilitation Of Fiberglass Reinforced Polyester (FRP) Lining In Steel Box</b> <small>(23 13 33)</small>		
	Note: Sodium Hypochlorite storage box.		
23 13 33 00-0095	DAY Steel Box Fiberglass Reinforced Polyester (FRP) Storage Tank, Lining Inspection, Two Man Crew With Confined Space Certification, Maximum Of Two Tanks Per Day, 10 Hour Day, Includes Inspection Report And Repair Estimate.....	1,300.00	
23 13 33 00-0096	SF Steel Box Fiberglass Reinforced Polyester (FRP) Storage Tank, Interior FRP Lining Repairs, Inner Surface And Interior Layer Repair.....	60.28	
	Note: 50 SF minimum.		
23 13 33 00-0097	SF Steel Box Fiberglass Reinforced Polyester (FRP) Lining Replacement.....	73.31	
	Note: Includes sandblasting, priming, lining and top coating. Excludes disposal of sandblasting sand.		

**23 20 HVAC Piping And Pumps** (23)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

**23 21 Hydronic Piping And Pumps** (23 20)

**23 21 13 Hydronic Piping** (23 21)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

**23 21 13 23 Aboveground Hydronic Piping** (23 21 13)

<b>23 21 13 23-0001</b>	<b>Threaded Black Steel Pipe</b> <small>(23 21 13 23)</small>		
<b>23 21 13 23-0002</b>	<b>Threaded Black Steel Pipe Assemblies</b> <small>(23 21 13 23-0001)</small>		
	Note: ASTM A-53. Threaded and coupled. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
23 21 13 23-0003	LF 1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	12.23	2.61
	Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
	For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	2.97	
	For Work In Restricted Working Space, Add	2.69	
23 21 13 23-0004	LF 3/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	13.27	2.80
	Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
	For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	3.27	
	For Work In Restricted Working Space, Add	2.82	
23 21 13 23-0005	LF 1" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	14.51	3.07
	Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
	For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	3.64	
	For Work In Restricted Working Space, Add	2.97	
23 21 13 23-0006	LF 1-1/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	17.33	3.20
	Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
	For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	4.53	
	For Work In Restricted Working Space, Add	3.20	
23 21 13 23-0007	LF 1-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	18.27	3.78
	Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
	For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	4.84	
	For Work In Restricted Working Space, Add	3.25	
23 21 13 23-0008	LF 2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	21.67	4.57
	Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
	For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	5.85	
	For Work In Restricted Working Space, Add	3.66	
23 21 13 23-0009	LF 2-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	31.46	5.41
	Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
	For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	8.90	
	For Work In Restricted Working Space, Add	4.55	
23 21 13 23-0010	LF 3" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	39.88	7.24
	Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
	For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	11.39	
	For Work In Restricted Working Space, Add	5.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0011 LF 4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....54.55		7.69
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	16.68	
For Work In Restricted Working Space, Add	5.55	
23 21 13 23-0012 LF 5" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....89.38		9.83
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	28.65	
For Work In Restricted Working Space, Add	6.62	
23 21 13 23-0013 LF 6" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....106.24		11.62
Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	34.25	
For Work In Restricted Working Space, Add	7.50	
<b>23 21 13 23-0014 Threaded Black Steel Pipe And Fittings</b> <small>(23 21 13 23-0001)</small>		
Note: ASTM A-53. Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.		
<b>23 21 13 23-0015 Threaded And Coupled, Black Steel Piping</b> <small>(23 21 13 23-0014)</small>		
Note: ASTM A-53. Includes coupling.		
23 21 13 23-0016 LF 3/8" Schedule 40, Threaded And Coupled, Black Steel Pipe.....4.27		1.63
For Schedule 80 Pipe, Add	0.77	
For Work In Restricted Working Space, Add	0.99	
23 21 13 23-0017 LF 1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe.....5.58		2.61
For Schedule 80 Pipe, Add	1.13	
For Work In Restricted Working Space, Add	1.19	
23 21 13 23-0018 LF 3/4" Schedule 40, Threaded And Coupled, Black Steel Pipe.....6.32		2.80
For Schedule 80 Pipe, Add	1.37	
For Work In Restricted Working Space, Add	1.26	
23 21 13 23-0019 LF 1" Schedule 40, Threaded And Coupled, Black Steel Pipe.....7.38		3.07
For Schedule 80 Pipe, Add	1.73	
For Work In Restricted Working Space, Add	1.37	
23 21 13 23-0020 LF 1-1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe .....8.61		3.20
For Schedule 80 Pipe, Add	2.18	
For Work In Restricted Working Space, Add	1.45	
23 21 13 23-0021 LF 1-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe .....10.19		3.78
For Schedule 80 Pipe, Add	2.60	
For Work In Restricted Working Space, Add	1.70	
23 21 13 23-0022 LF 2" Schedule 40, Threaded And Coupled, Black Steel Pipe.....12.78		4.57
For Schedule 80 Pipe, Add	3.35	
For Work In Restricted Working Space, Add	2.06	
23 21 13 23-0023 LF 2-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe .....17.50		5.41
For Schedule 80 Pipe, Add	5.02	
For Work In Restricted Working Space, Add	2.45	
23 21 13 23-0024 LF 3" Schedule 40, Threaded And Coupled, Black Steel Pipe.....23.11		7.24
For Schedule 80 Pipe, Add	6.60	
For Work In Restricted Working Space, Add	3.26	
23 21 13 23-0025 LF 4" Schedule 40, Threaded And Coupled, Black Steel Pipe.....29.86		7.69
For Schedule 80 Pipe, Add	9.39	
For Work In Restricted Working Space, Add	3.47	
23 21 13 23-0026 LF 5" Schedule 40, Threaded And Coupled, Black Steel Pipe.....39.03		9.83
For Schedule 80 Pipe, Add	12.42	
For Work In Restricted Working Space, Add	4.41	
23 21 13 23-0027 LF 6" Schedule 40, Threaded And Coupled, Black Steel Pipe.....49.49		11.62
For Schedule 80 Pipe, Add	16.18	
For Work In Restricted Working Space, Add	5.22	
23 21 13 23-0028 LF 8" Schedule 40, Threaded And Coupled, Black Steel Pipe.....68.60		14.04
For Schedule 80 Pipe, Add	23.51	
For Work In Restricted Working Space, Add	6.31	
23 21 13 23-0029 LF 10" Schedule 40, Threaded And Coupled, Black Steel Pipe.....93.04		17.11
For Schedule 80 Pipe, Add	32.88	
For Work In Restricted Working Space, Add	7.71	
23 21 13 23-0030 LF 12" Schedule 40, Threaded And Coupled, Black Steel Pipe.....124.27		22.49
For Schedule 80 Pipe, Add	44.12	
For Work In Restricted Working Space, Add	10.12	
<b>23 21 13 23-0031 Black Malleable Iron 90 Degree Elbows</b> <small>(23 21 13 23-0014)</small>		
23 21 13 23-0032 EA 3/8", 150 LB, Black Malleable Iron 90 Degree Elbow.....18.64		7.24
For 300 LB Rating, Add	10.83	
For Standard Weight Cast Iron Fittings, Add	0.07	
For Work In Restricted Working Space, Add	4.35	
23 21 13 23-0033 EA 1/2", 150 LB, Black Malleable Iron 90 Degree Elbow.....20.26		11.61
For 300 LB Rating, Add	7.95	
For Standard Weight Cast Iron Fittings, Add	0.05	
For Work In Restricted Working Space, Add	5.21	
23 21 13 23-0034 EA 3/4", 150 LB, Black Malleable Iron 90 Degree Elbow.....22.93		12.97
For 300 LB Rating, Add	9.50	
For Standard Weight Cast Iron Fittings, Add	0.06	
For Work In Restricted Working Space, Add	5.84	
23 21 13 23-0035 EA 1", 150 LB, Black Malleable Iron 90 Degree Elbow .....27.75		14.47
For 300 LB Rating, Add	15.75	
For Standard Weight Cast Iron Fittings, Add	0.10	
For Work In Restricted Working Space, Add	6.52	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0036	EA	1-1/4", 150 LB, Black Malleable Iron 90 Degree Elbow .....	34.53	16.43
			<i>For 300 LB Rating, Add</i>	25.31	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.16	
			<i>For Work In Restricted Working Space, Add</i>	7.38	
23 21	13 23-0037	EA	1-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow .....	40.80	18.51
			<i>For 300 LB Rating, Add</i>	33.01	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.21	
			<i>For Work In Restricted Working Space, Add</i>	8.32	
23 21	13 23-0038	EA	2", 150 LB, Black Malleable Iron 90 Degree Elbow.....	57.76	23.54
			<i>For 300 LB Rating, Add</i>	56.19	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.36	
			<i>For Work In Restricted Working Space, Add</i>	10.57	
23 21	13 23-0039	EA	2-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow .....	102.34	34.81
			<i>For 300 LB Rating, Add</i>	123.59	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.80	
			<i>For Work In Restricted Working Space, Add</i>	15.65	
23 21	13 23-0040	EA	3", 150 LB, Black Malleable Iron 90 Degree Elbow.....	142.07	45.76
			<i>For 300 LB Rating, Add</i>	180.40	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	1.18	
			<i>For Work In Restricted Working Space, Add</i>	20.59	
23 21	13 23-0041	EA	4", 150 LB, Black Malleable Iron 90 Degree Elbow.....	225.20	44.97
			<i>For 300 LB Rating, Add</i>	382.67	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	2.52	
			<i>For Work In Restricted Working Space, Add</i>	20.23	
23 21	13 23-0042	EA	5", 150 LB, Black Malleable Iron 90 Degree Elbow.....	531.36	46.93
			<i>For 300 LB Rating, Add</i>	1,110.60	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	7.38	
			<i>For Work In Restricted Working Space, Add</i>	21.11	
23 21	13 23-0043	EA	6", 150 LB, Black Malleable Iron 90 Degree Elbow.....	606.07	49.07
			<i>For 300 LB Rating, Add</i>	1,282.44	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	8.52	
			<i>For Work In Restricted Working Space, Add</i>	22.07	
23 21	13 23-0044		<b>Black Malleable Iron Reducing 90 Degree Elbows</b> (23 21 13 23-0014)		
23 21	13 23-0045	EA	1/2" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	21.40	10.63
			<i>For 300 LB Rating, Add</i>	14.08	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.09	
			<i>For Work In Restricted Working Space, Add</i>	4.78	
23 21	13 23-0046	EA	3/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	24.05	12.25
			<i>For 300 LB Rating, Add</i>	14.62	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.09	
			<i>For Work In Restricted Working Space, Add</i>	5.53	
23 21	13 23-0047	EA	3/4" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	24.84	11.34
			<i>For 300 LB Rating, Add</i>	19.91	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.13	
			<i>For Work In Restricted Working Space, Add</i>	5.09	
23 21	13 23-0048	EA	1" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	27.83	13.75
			<i>For 300 LB Rating, Add</i>	18.61	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.12	
			<i>For Work In Restricted Working Space, Add</i>	6.18	
23 21	13 23-0049	EA	1" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	27.36	13.04
			<i>For 300 LB Rating, Add</i>	19.92	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.12	
			<i>For Work In Restricted Working Space, Add</i>	5.87	
23 21	13 23-0050	EA	1" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow.....	33.48	12.06
			<i>For 300 LB Rating, Add</i>	37.97	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.25	
			<i>For Work In Restricted Working Space, Add</i>	5.43	
23 21	13 23-0051	EA	1-1/4" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	35.32	15.45
			<i>For 300 LB Rating, Add</i>	30.57	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.19	
			<i>For Work In Restricted Working Space, Add</i>	6.95	
23 21	13 23-0052	EA	1-1/4" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	35.59	14.67
			<i>For 300 LB Rating, Add</i>	33.89	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.22	
			<i>For Work In Restricted Working Space, Add</i>	6.61	
23 21	13 23-0053	EA	1-1/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	36.84	14.02
			<i>For 300 LB Rating, Add</i>	39.30	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.25	
			<i>For Work In Restricted Working Space, Add</i>	6.30	
23 21	13 23-0054	EA	1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	43.33	17.47
			<i>For 300 LB Rating, Add</i>	42.75	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.27	
			<i>For Work In Restricted Working Space, Add</i>	7.85	
23 21	13 23-0055	EA	1-1/2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	41.89	16.50
			<i>For 300 LB Rating, Add</i>	42.67	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.27	
			<i>For Work In Restricted Working Space, Add</i>	7.42	
23 21	13 23-0056	EA	1-1/2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	43.24	15.71
			<i>For 300 LB Rating, Add</i>	48.55	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.31	
			<i>For Work In Restricted Working Space, Add</i>	7.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0057 EA 2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	56.34	20.99
<i>For 300 LB Rating, Add</i>	61.55	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.40	
<i>For Work In Restricted Working Space, Add</i>	9.44	
23 21 13 23-0058 EA 2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	58.17	19.95
<i>For 300 LB Rating, Add</i>	69.60	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.45	
<i>For Work In Restricted Working Space, Add</i>	8.98	
23 21 13 23-0059 EA 2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	56.73	18.97
<i>For 300 LB Rating, Add</i>	69.51	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.45	
<i>For Work In Restricted Working Space, Add</i>	8.54	
23 21 13 23-0060 EA 2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	57.30	18.25
<i>For 300 LB Rating, Add</i>	73.52	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.48	
<i>For Work In Restricted Working Space, Add</i>	8.21	
23 21 13 23-0061 EA 2-1/2" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	111.91	29.14
<i>For 300 LB Rating, Add</i>	166.35	
<i>For Standard Weight Cast Iron Fittings, Add</i>	1.09	
<i>For Work In Restricted Working Space, Add</i>	13.11	
23 21 13 23-0062 EA 2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	112.19	26.66
<i>For 300 LB Rating, Add</i>	175.77	
<i>For Standard Weight Cast Iron Fittings, Add</i>	1.16	
<i>For Work In Restricted Working Space, Add</i>	11.99	
23 21 13 23-0063 EA 3" x 2-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	188.06	40.28
<i>For 300 LB Rating, Add</i>	310.05	
<i>For Standard Weight Cast Iron Fittings, Add</i>	2.04	
<i>For Work In Restricted Working Space, Add</i>	18.11	
23 21 13 23-0064 EA 3" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	162.22	34.62
<i>For 300 LB Rating, Add</i>	267.81	
<i>For Standard Weight Cast Iron Fittings, Add</i>	1.76	
<i>For Work In Restricted Working Space, Add</i>	15.58	
23 21 13 23-0065 EA 4" x 3", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow .....	282.35	42.77
<i>For 300 LB Rating, Add</i>	527.53	
<i>For Standard Weight Cast Iron Fittings, Add</i>	3.49	
<i>For Work In Restricted Working Space, Add</i>	19.25	
<b>23 21 13 23-0066 Black Malleable Iron 45 Degree Elbows <small>(23 21 13 23-0014)</small></b>		
23 21 13 23-0067 EA 3/8", 150 LB, Black Malleable Iron 45 Degree Elbow .....	20.74	7.24
<i>For 300 LB Rating, Add</i>	15.87	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.10	
<i>For Work In Restricted Working Space, Add</i>	4.35	
23 21 13 23-0068 EA 1/2", 150 LB, Black Malleable Iron 45 Degree Elbow .....	22.13	11.61
<i>For 300 LB Rating, Add</i>	12.44	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.08	
<i>For Work In Restricted Working Space, Add</i>	5.21	
23 21 13 23-0069 EA 3/4", 150 LB, Black Malleable Iron 45 Degree Elbow .....	25.33	12.97
<i>For 300 LB Rating, Add</i>	15.26	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.09	
<i>For Work In Restricted Working Space, Add</i>	5.84	
23 21 13 23-0070 EA 1", 150 LB, Black Malleable Iron 45 Degree Elbow .....	29.12	14.47
<i>For 300 LB Rating, Add</i>	19.04	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.12	
<i>For Work In Restricted Working Space, Add</i>	6.52	
23 21 13 23-0071 EA 1-1/4", 150 LB, Black Malleable Iron 45 Degree Elbow .....	37.68	16.43
<i>For 300 LB Rating, Add</i>	32.87	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.21	
<i>For Work In Restricted Working Space, Add</i>	7.38	
23 21 13 23-0072 EA 1-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow .....	43.92	18.51
<i>For 300 LB Rating, Add</i>	40.50	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.26	
<i>For Work In Restricted Working Space, Add</i>	8.32	
23 21 13 23-0073 EA 2", 150 LB, Black Malleable Iron 45 Degree Elbow .....	59.69	23.54
<i>For 300 LB Rating, Add</i>	60.82	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.39	
<i>For Work In Restricted Working Space, Add</i>	10.57	
23 21 13 23-0074 EA 2-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow .....	122.92	34.81
<i>For 300 LB Rating, Add</i>	172.98	
<i>For Standard Weight Cast Iron Fittings, Add</i>	1.13	
<i>For Work In Restricted Working Space, Add</i>	15.65	
23 21 13 23-0075 EA 3", 150 LB, Black Malleable Iron 45 Degree Elbow .....	160.55	45.76
<i>For 300 LB Rating, Add</i>	224.75	
<i>For Standard Weight Cast Iron Fittings, Add</i>	1.47	
<i>For Work In Restricted Working Space, Add</i>	20.59	
23 21 13 23-0076 EA 4", 150 LB, Black Malleable Iron 45 Degree Elbow .....	247.71	44.97
<i>For 300 LB Rating, Add</i>	436.69	
<i>For Standard Weight Cast Iron Fittings, Add</i>	2.88	
<i>For Work In Restricted Working Space, Add</i>	20.23	
23 21 13 23-0077 EA 5", 150 LB, Black Malleable Iron 45 Degree Elbow .....	782.45	46.93
<i>For 300 LB Rating, Add</i>	1,713.21	
<i>For Standard Weight Cast Iron Fittings, Add</i>	11.39	
<i>For Work In Restricted Working Space, Add</i>	21.11	



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0078	EA	6", 150 LB, Black Malleable Iron 45 Degree Elbow..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	802.09 1,752.89 11.66 22.07	49.07
<b>23 21</b>	<b>13 23-0079</b>		<b>Black Malleable Iron Tees</b> (23 21 13 23-0014)		
23 21	13 23-0080	EA	3/8", 150 LB, Black Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.13 15.53 0.10 5.43	9.07
23 21	13 23-0081	EA	1/2", 150 LB, Black Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.58 10.54 0.06 6.52	14.47
23 21	13 23-0082	EA	3/4", 150 LB, Black Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.58 14.73 0.09 7.52	16.75
23 21	13 23-0083	EA	1", 150 LB, Black Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.09 24.46 0.15 8.89	19.75
23 21	13 23-0084	EA	1-1/4", 150 LB, Black Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	50.52 38.81 0.24 10.57	23.54
23 21	13 23-0085	EA	1-1/2", 150 LB, Black Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	61.08 48.17 0.30 12.62	28.03
23 21	13 23-0086	EA	2", 150 LB, Black Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	84.57 80.94 0.52 15.65	34.81
23 21	13 23-0087	EA	2-1/2", 150 LB, Black Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	138.51 171.85 1.12 20.59	45.76
23 21	13 23-0088	EA	3", 150 LB, Black Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	184.44 251.97 1.65 24.45	54.37
23 21	13 23-0089	EA	4", 150 LB, Black Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	334.01 602.30 3.98 25.55	56.82
23 21	13 23-0090	EA	5", 150 LB, Black Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	855.18 1,815.74 12.06 30.35	67.45
23 21	13 23-0091	EA	6", 150 LB, Black Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	924.81 1,949.04 12.95 34.68	77.11
<b>23 21</b>	<b>13 23-0092</b>		<b>Black Malleable Iron Reducing Tees</b> (23 21 13 23-0014)		
23 21	13 23-0093	EA	1/2", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	28.27 17.00 0.10 6.52	14.47
23 21	13 23-0094	EA	3/4", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.60 21.98 0.14 7.52	16.75
23 21	13 23-0095	EA	1", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	40.40 27.60 0.17 8.89	19.75
23 21	13 23-0096	EA	1-1/4", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	56.38 52.87 0.34 10.57	23.54
23 21	13 23-0097	EA	1-1/2", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	65.50 58.78 0.38 12.62	28.03
23 21	13 23-0098	EA	2", 150 LB, Black Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	86.17 84.78 0.54 15.65	34.81



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0099 EA 2-1/2", 150 LB, Black Malleable Iron Reducing Tee.....	174.64	45.76
<i>For 300 LB Rating, Add</i>	258.57	
<i>For Standard Weight Cast Iron Fittings, Add</i>	1.70	
<i>For Work In Restricted Working Space, Add</i>	20.59	
23 21 13 23-0100 EA 3", 150 LB, Black Malleable Iron Reducing Tee.....	202.92	54.37
<i>For 300 LB Rating, Add</i>	296.32	
<i>For Standard Weight Cast Iron Fittings, Add</i>	1.94	
<i>For Work In Restricted Working Space, Add</i>	24.45	
23 21 13 23-0101 EA 4", 150 LB, Black Malleable Iron Reducing Tee.....	379.67	56.82
<i>For 300 LB Rating, Add</i>	711.89	
<i>For Standard Weight Cast Iron Fittings, Add</i>	4.71	
<i>For Work In Restricted Working Space, Add</i>	25.55	
23 21 13 23-0102 EA 5", 150 LB, Black Malleable Iron Reducing Tee.....	784.22	67.45
<i>For 300 LB Rating, Add</i>	1,645.44	
<i>For Standard Weight Cast Iron Fittings, Add</i>	10.93	
<i>For Work In Restricted Working Space, Add</i>	30.35	
23 21 13 23-0103 EA 6", 150 LB, Black Malleable Iron Reducing Tee.....	890.36	77.11
<i>For 300 LB Rating, Add</i>	1,866.36	
<i>For Standard Weight Cast Iron Fittings, Add</i>	12.40	
<i>For Work In Restricted Working Space, Add</i>	34.68	
<b>23 21 13 23-0104 Black Malleable Iron Couplings</b> <small>(23 21 13 23-0014)</small>		
23 21 13 23-0105 EA 3/8", 150 LB, Black Malleable Iron Coupling.....	19.65	7.24
<i>For 300 LB Rating, Add</i>	13.25	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.08	
<i>For Work In Restricted Working Space, Add</i>	4.35	
23 21 13 23-0106 EA 1/2", 150 LB, Black Malleable Iron Coupling.....	21.35	11.61
<i>For 300 LB Rating, Add</i>	10.57	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.06	
<i>For Work In Restricted Working Space, Add</i>	5.21	
23 21 13 23-0107 EA 3/4", 150 LB, Black Malleable Iron Coupling.....	24.11	12.97
<i>For 300 LB Rating, Add</i>	12.33	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.07	
<i>For Work In Restricted Working Space, Add</i>	5.84	
23 21 13 23-0108 EA 1", 150 LB, Black Malleable Iron Coupling.....	28.70	14.47
<i>For 300 LB Rating, Add</i>	18.03	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.11	
<i>For Work In Restricted Working Space, Add</i>	6.52	
23 21 13 23-0109 EA 1-1/4", 150 LB, Black Malleable Iron Coupling.....	33.63	16.43
<i>For 300 LB Rating, Add</i>	23.15	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.14	
<i>For Work In Restricted Working Space, Add</i>	7.38	
23 21 13 23-0110 EA 1-1/2", 150 LB, Black Malleable Iron Coupling.....	39.93	18.51
<i>For 300 LB Rating, Add</i>	30.92	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.20	
<i>For Work In Restricted Working Space, Add</i>	8.32	
23 21 13 23-0111 EA 2", 150 LB, Black Malleable Iron Coupling.....	53.30	23.54
<i>For 300 LB Rating, Add</i>	45.48	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.29	
<i>For Work In Restricted Working Space, Add</i>	10.57	
23 21 13 23-0112 EA 2-1/2", 150 LB, Black Malleable Iron Coupling.....	102.02	34.81
<i>For 300 LB Rating, Add</i>	122.82	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.80	
<i>For Work In Restricted Working Space, Add</i>	15.65	
23 21 13 23-0113 EA 3", 150 LB, Black Malleable Iron Coupling.....	136.04	45.76
<i>For 300 LB Rating, Add</i>	165.93	
<i>For Standard Weight Cast Iron Fittings, Add</i>	1.08	
<i>For Work In Restricted Working Space, Add</i>	20.59	
23 21 13 23-0114 EA 4", 150 LB, Black Malleable Iron Coupling.....	203.23	44.97
<i>For 300 LB Rating, Add</i>	329.94	
<i>For Standard Weight Cast Iron Fittings, Add</i>	2.17	
<i>For Work In Restricted Working Space, Add</i>	20.23	
23 21 13 23-0115 EA 5", 150 LB, Black Malleable Iron Coupling.....	452.72	46.93
<i>For 300 LB Rating, Add</i>	921.86	
<i>For Standard Weight Cast Iron Fittings, Add</i>	6.12	
<i>For Work In Restricted Working Space, Add</i>	21.11	
23 21 13 23-0116 EA 6", 150 LB, Black Malleable Iron Coupling.....	509.15	49.07
<i>For 300 LB Rating, Add</i>	1,049.83	
<i>For Standard Weight Cast Iron Fittings, Add</i>	6.97	
<i>For Work In Restricted Working Space, Add</i>	22.07	
<b>23 21 13 23-0117 Black Malleable Iron Reducing Couplings</b> <small>(23 21 13 23-0014)</small>		
23 21 13 23-0118 EA 1/2", 150 LB, Black Malleable Iron Reducing Coupling.....	22.31	11.61
<i>For 300 LB Rating, Add</i>	12.87	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.08	
<i>For Work In Restricted Working Space, Add</i>	5.21	
23 21 13 23-0119 EA 3/4", 150 LB, Black Malleable Iron Reducing Coupling.....	24.68	12.97
<i>For 300 LB Rating, Add</i>	13.70	
<i>For Standard Weight Cast Iron Fittings, Add</i>	0.08	
<i>For Work In Restricted Working Space, Add</i>	5.84	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0120	EA	1", 150 LB, Black Malleable Iron Reducing Coupling.....	29.86	14.47
			<i>For 300 LB Rating, Add</i>	20.82	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.13	
			<i>For Work In Restricted Working Space, Add</i>	6.52	
23 21	13 23-0121	EA	1-1/4", 150 LB, Black Malleable Iron Reducing Coupling.....	35.06	16.43
			<i>For 300 LB Rating, Add</i>	26.58	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.17	
			<i>For Work In Restricted Working Space, Add</i>	7.38	
23 21	13 23-0122	EA	1-1/2", 150 LB, Black Malleable Iron Reducing Coupling.....	40.96	18.51
			<i>For 300 LB Rating, Add</i>	33.39	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.21	
			<i>For Work In Restricted Working Space, Add</i>	8.32	
23 21	13 23-0123	EA	2", 150 LB, Black Malleable Iron Reducing Coupling.....	54.38	23.54
			<i>For 300 LB Rating, Add</i>	48.07	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.31	
			<i>For Work In Restricted Working Space, Add</i>	10.57	
23 21	13 23-0124	EA	2-1/2", 150 LB, Black Malleable Iron Reducing Coupling.....	108.75	34.81
			<i>For 300 LB Rating, Add</i>	138.97	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.91	
			<i>For Work In Restricted Working Space, Add</i>	15.65	
23 21	13 23-0125	EA	3", 150 LB, Black Malleable Iron Reducing Coupling.....	137.42	45.76
			<i>For 300 LB Rating, Add</i>	169.24	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	1.10	
			<i>For Work In Restricted Working Space, Add</i>	20.59	
23 21	13 23-0126	EA	4", 150 LB, Black Malleable Iron Reducing Coupling.....	205.35	44.97
			<i>For 300 LB Rating, Add</i>	335.03	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	2.21	
			<i>For Work In Restricted Working Space, Add</i>	20.23	
23 21	13 23-0127	EA	5", 150 LB, Black Malleable Iron Reducing Coupling.....	380.34	46.93
			<i>For 300 LB Rating, Add</i>	748.15	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	4.96	
			<i>For Work In Restricted Working Space, Add</i>	21.11	
23 21	13 23-0128	EA	6", 150 LB, Black Malleable Iron Reducing Coupling.....	471.69	49.07
			<i>For 300 LB Rating, Add</i>	959.93	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	6.37	
			<i>For Work In Restricted Working Space, Add</i>	22.07	
23 21	13 23-0129		<b>Black Malleable Iron Caps</b> <small>(2321 13 23-0014)</small>		
23 21	13 23-0130	EA	1/2", 150 LB, Black Malleable Iron Cap.....	11.06	5.41
			<i>For 300 LB Rating, Add</i>	7.47	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.05	
			<i>For Work In Restricted Working Space, Add</i>	2.45	
23 21	13 23-0131	EA	3/4", 150 LB, Black Malleable Iron Cap.....	12.62	5.80
			<i>For 300 LB Rating, Add</i>	9.95	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.06	
			<i>For Work In Restricted Working Space, Add</i>	2.61	
23 21	13 23-0132	EA	1", 150 LB, Black Malleable Iron Cap.....	14.79	6.72
			<i>For 300 LB Rating, Add</i>	12.03	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.08	
			<i>For Work In Restricted Working Space, Add</i>	3.01	
23 21	13 23-0133	EA	1-1/4", 150 LB, Black Malleable Iron Cap.....	17.13	7.24
			<i>For 300 LB Rating, Add</i>	15.70	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.10	
			<i>For Work In Restricted Working Space, Add</i>	3.26	
23 21	13 23-0134	EA	1-1/2", 150 LB, Black Malleable Iron Cap.....	19.48	7.24
			<i>For 300 LB Rating, Add</i>	21.34	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.14	
			<i>For Work In Restricted Working Space, Add</i>	3.26	
23 21	13 23-0135	EA	2", 150 LB, Black Malleable Iron Cap.....	26.60	9.32
			<i>For 300 LB Rating, Add</i>	31.03	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.20	
			<i>For Work In Restricted Working Space, Add</i>	4.21	
23 21	13 23-0136	EA	2-1/2", 150 LB, Black Malleable Iron Cap.....	46.25	11.61
			<i>For 300 LB Rating, Add</i>	70.33	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.46	
			<i>For Work In Restricted Working Space, Add</i>	5.21	
23 21	13 23-0137	EA	3", 150 LB, Black Malleable Iron Cap.....	63.59	14.02
			<i>For 300 LB Rating, Add</i>	103.43	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	0.68	
			<i>For Work In Restricted Working Space, Add</i>	6.31	
23 21	13 23-0138	EA	4", 150 LB, Black Malleable Iron Cap.....	96.11	15.44
			<i>For 300 LB Rating, Add</i>	176.56	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	1.17	
			<i>For Work In Restricted Working Space, Add</i>	6.94	
23 21	13 23-0139	EA	5", 150 LB, Black Malleable Iron Cap.....	202.87	19.30
			<i>For 300 LB Rating, Add</i>	419.26	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	2.78	
			<i>For Work In Restricted Working Space, Add</i>	8.67	
23 21	13 23-0140	EA	6", 150 LB, Black Malleable Iron Cap.....	353.34	22.95
			<i>For 300 LB Rating, Add</i>	767.43	
			<i>For Standard Weight Cast Iron Fittings, Add</i>	5.10	
			<i>For Work In Restricted Working Space, Add</i>	10.33	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 21 13 23-0141 Black Malleable Iron Unions <small>(23 21 13 23-0014)</small></b>						
23 21 13 23-0142	EA			3/8", 150 LB, Black Malleable Iron Union.....	28.43	7.24
				<i>For Work In Restricted Working Space, Add</i>	4.35	
23 21 13 23-0143	EA			1/2", 150 LB, Black Malleable Iron Union.....	34.34	14.47
				<i>For Work In Restricted Working Space, Add</i>	6.52	
23 21 13 23-0144	EA			3/4", 150 LB, Black Malleable Iron Union.....	39.57	16.75
				<i>For Work In Restricted Working Space, Add</i>	7.52	
23 21 13 23-0145	EA			1", 150 LB, Black Malleable Iron Union.....	48.54	19.75
				<i>For Work In Restricted Working Space, Add</i>	8.89	
23 21 13 23-0146	EA			1-1/4", 150 LB, Black Malleable Iron Union.....	62.34	23.54
				<i>For Work In Restricted Working Space, Add</i>	10.57	
23 21 13 23-0147	EA			1-1/2", 150 LB, Black Malleable Iron Union.....	75.86	28.03
				<i>For Work In Restricted Working Space, Add</i>	12.62	
23 21 13 23-0148	EA			2", 150 LB, Black Malleable Iron Union.....	91.45	34.81
				<i>For Work In Restricted Working Space, Add</i>	15.65	
23 21 13 23-0149	EA			2-1/2", 150 LB, Black Malleable Iron Union.....	194.08	51.31
				<i>For Work In Restricted Working Space, Add</i>	23.10	
23 21 13 23-0150	EA			3", 150 LB, Black Malleable Iron Union.....	242.26	67.47
				<i>For Work In Restricted Working Space, Add</i>	30.39	
23 21 13 23-0151	EA			3/8", 250 LB, Black Malleable Iron Union.....	32.90	7.24
				<i>For Work In Restricted Working Space, Add</i>	4.34	
23 21 13 23-0152	EA			1/2", 250 LB, Black Malleable Iron Union.....	42.86	14.47
				<i>For Work In Restricted Working Space, Add</i>	6.52	
23 21 13 23-0153	EA			3/4", 250 LB, Black Malleable Iron Union.....	45.86	16.75
				<i>For Work In Restricted Working Space, Add</i>	7.52	
23 21 13 23-0154	EA			1", 250 LB, Black Malleable Iron Union.....	55.14	19.75
				<i>For Work In Restricted Working Space, Add</i>	8.89	
23 21 13 23-0155	EA			1-1/4", 250 LB, Black Malleable Iron Union.....	78.02	23.54
				<i>For Work In Restricted Working Space, Add</i>	10.57	
23 21 13 23-0156	EA			1-1/2", 250 LB, Black Malleable Iron Union.....	91.33	28.03
				<i>For Work In Restricted Working Space, Add</i>	12.62	
23 21 13 23-0157	EA			2", 250 LB, Black Malleable Iron Union.....	115.35	34.81
				<i>For Work In Restricted Working Space, Add</i>	15.65	
23 21 13 23-0158	EA			2-1/2", 250 LB, Black Malleable Iron Union.....	275.10	51.31
				<i>For Work In Restricted Working Space, Add</i>	23.10	
23 21 13 23-0159	EA			3", 250 LB, Black Malleable Iron Union.....	333.15	67.47
				<i>For Work In Restricted Working Space, Add</i>	30.39	
23 21 13 23-0160	EA			4", 250 LB, Black Malleable Iron Union.....	510.50	66.36
				<i>For Work In Restricted Working Space, Add</i>	29.86	
23 21 13 23-0161	EA			3/8", 300 LB, Black Malleable Iron Union.....	44.37	7.24
				<i>For Work In Restricted Working Space, Add</i>	4.34	
23 21 13 23-0162	EA			1/2", 300 LB, Black Malleable Iron Union.....	45.91	14.47
				<i>For Work In Restricted Working Space, Add</i>	6.52	
23 21 13 23-0163	EA			3/4", 300 LB, Black Malleable Iron Union.....	51.85	16.75
				<i>For Work In Restricted Working Space, Add</i>	7.52	
23 21 13 23-0164	EA			1", 300 LB, Black Malleable Iron Union.....	64.59	19.75
				<i>For Work In Restricted Working Space, Add</i>	8.89	
23 21 13 23-0165	EA			1-1/4", 300 LB, Black Malleable Iron Union.....	92.25	23.54
				<i>For Work In Restricted Working Space, Add</i>	10.57	
23 21 13 23-0166	EA			1-1/2", 300 LB, Black Malleable Iron Union.....	101.77	28.03
				<i>For Work In Restricted Working Space, Add</i>	12.62	
23 21 13 23-0167	EA			2", 300 LB, Black Malleable Iron Union.....	126.11	34.81
				<i>For Work In Restricted Working Space, Add</i>	15.65	
23 21 13 23-0168	EA			2-1/2", 300 LB, Black Malleable Iron Union.....	315.45	51.31
				<i>For Work In Restricted Working Space, Add</i>	23.10	
23 21 13 23-0169	EA			3", 300 LB, Black Malleable Iron Union.....	409.80	67.47
				<i>For Work In Restricted Working Space, Add</i>	30.39	
23 21 13 23-0170	EA			4", 300 LB, Black Malleable Iron Union.....	1,078.68	66.36
				<i>For Work In Restricted Working Space, Add</i>	29.86	
<b>23 21 13 23-0171 Black Steel Nipples <small>(23 21 13 23-0014)</small></b>						
23 21 13 23-0172	EA			3/8" x Close, Schedule 40 Black Steel Nipple.....	10.50	6.19
				<i>For Schedule 80 Nipples, Add</i>	0.59	
				<i>For Work In Restricted Working Space, Add</i>	2.80	
23 21 13 23-0173	EA			1/2" x Close, Schedule 40 Black Steel Nipple.....	10.31	6.19
				<i>For Schedule 80 Nipples, Add</i>	0.50	
				<i>For Work In Restricted Working Space, Add</i>	2.80	
23 21 13 23-0174	EA			3/4" x Close, Schedule 40 Black Steel Nipple.....	10.46	6.19
				<i>For Schedule 80 Nipples, Add</i>	0.57	
				<i>For Work In Restricted Working Space, Add</i>	2.80	
23 21 13 23-0175	EA			1" x Close, Schedule 40 Black Steel Nipple.....	11.68	6.72
				<i>For Schedule 80 Nipples, Add</i>	0.83	
				<i>For Work In Restricted Working Space, Add</i>	3.01	
23 21 13 23-0176	EA			1-1/4" x Close, Schedule 40 Black Steel Nipple.....	12.95	7.24
				<i>For Schedule 80 Nipples, Add</i>	1.05	
				<i>For Work In Restricted Working Space, Add</i>	3.26	
23 21 13 23-0177	EA			1-1/2" x Close, Schedule 40 Black Steel Nipple.....	13.47	7.24
				<i>For Schedule 80 Nipples, Add</i>	1.31	
				<i>For Work In Restricted Working Space, Add</i>	3.26	
23 21 13 23-0178	EA			2" x Close, Schedule 40 Black Steel Nipple.....	17.57	9.32
				<i>For Schedule 80 Nipples, Add</i>	1.78	
				<i>For Work In Restricted Working Space, Add</i>	4.21	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0179	EA	2-1/2" x Close, Schedule 40 Black Steel Nipple.....	28.50	11.61
			<i>For Schedule 80 Nipples, Add</i>	5.56	
			<i>For Work In Restricted Working Space, Add</i>	5.21	
23 21	13 23-0180	EA	3" x Close, Schedule 40 Black Steel Nipple.....	34.23	14.02
			<i>For Schedule 80 Nipples, Add</i>	6.61	
			<i>For Work In Restricted Working Space, Add</i>	6.31	
23 21	13 23-0181	EA	4" x Close, Schedule 40 Black Steel Nipple.....	43.01	15.44
			<i>For Schedule 80 Nipples, Add</i>	9.95	
			<i>For Work In Restricted Working Space, Add</i>	6.94	
23 21	13 23-0182	EA	3/8" x 1-1/2" Long, Schedule 40 Black Steel Nipple.....	10.65	6.19
			<i>For Schedule 80 Nipples, Add</i>	0.67	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
23 21	13 23-0183	EA	1/2" x 1-1/2" Long, Schedule 40 Black Steel Nipple.....	10.31	6.19
			<i>For Schedule 80 Nipples, Add</i>	0.50	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
23 21	13 23-0184	EA	3/4" x 1-1/2" Long, Schedule 40 Black Steel Nipple.....	10.54	6.19
			<i>For Schedule 80 Nipples, Add</i>	0.61	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
23 21	13 23-0185	EA	3/8" x 2" Long, Schedule 40 Black Steel Nipple.....	10.65	6.19
			<i>For Schedule 80 Nipples, Add</i>	0.67	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
23 21	13 23-0186	EA	1/2" x 2" Long, Schedule 40 Black Steel Nipple.....	10.31	6.19
			<i>For Schedule 80 Nipples, Add</i>	0.50	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
23 21	13 23-0187	EA	3/4" x 2" Long, Schedule 40 Black Steel Nipple.....	10.54	6.19
			<i>For Schedule 80 Nipples, Add</i>	0.61	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
23 21	13 23-0188	EA	1" x 2" Long, Schedule 40 Black Steel Nipple.....	11.84	6.72
			<i>For Schedule 80 Nipples, Add</i>	0.91	
			<i>For Work In Restricted Working Space, Add</i>	3.01	
23 21	13 23-0189	EA	1-1/4" x 2" Long, Schedule 40 Black Steel Nipple.....	13.23	7.24
			<i>For Schedule 80 Nipples, Add</i>	1.19	
			<i>For Work In Restricted Working Space, Add</i>	3.26	
23 21	13 23-0190	EA	1-1/2" x 2" Long, Schedule 40 Black Steel Nipple.....	13.68	7.24
			<i>For Schedule 80 Nipples, Add</i>	1.41	
			<i>For Work In Restricted Working Space, Add</i>	3.26	
23 21	13 23-0191	EA	3/8" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	11.03	6.19
			<i>For Schedule 80 Nipples, Add</i>	0.86	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
23 21	13 23-0192	EA	1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	10.50	6.19
			<i>For Schedule 80 Nipples, Add</i>	0.59	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
23 21	13 23-0193	EA	3/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	10.70	6.19
			<i>For Schedule 80 Nipples, Add</i>	0.69	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
23 21	13 23-0194	EA	1" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	11.95	6.72
			<i>For Schedule 80 Nipples, Add</i>	0.96	
			<i>For Work In Restricted Working Space, Add</i>	3.01	
23 21	13 23-0195	EA	1-1/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	13.38	7.24
			<i>For Schedule 80 Nipples, Add</i>	1.26	
			<i>For Work In Restricted Working Space, Add</i>	3.26	
23 21	13 23-0196	EA	1-1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	14.01	7.24
			<i>For Schedule 80 Nipples, Add</i>	1.58	
			<i>For Work In Restricted Working Space, Add</i>	3.26	
23 21	13 23-0197	EA	2" x 2-1/2" Long, Schedule 40 Black Steel Nipple.....	18.10	9.32
			<i>For Schedule 80 Nipples, Add</i>	2.04	
			<i>For Work In Restricted Working Space, Add</i>	4.21	
23 21	13 23-0198	EA	3/8" x 3" Long, Schedule 40 Black Steel Nipple.....	11.03	6.19
			<i>For Schedule 80 Nipples, Add</i>	0.86	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
23 21	13 23-0199	EA	1/2" x 3" Long, Schedule 40 Black Steel Nipple.....	10.50	6.19
			<i>For Schedule 80 Nipples, Add</i>	0.59	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
23 21	13 23-0200	EA	3/4" x 3" Long, Schedule 40 Black Steel Nipple.....	10.70	6.19
			<i>For Schedule 80 Nipples, Add</i>	0.69	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
23 21	13 23-0201	EA	1" x 3" Long, Schedule 40 Black Steel Nipple.....	11.95	6.72
			<i>For Schedule 80 Nipples, Add</i>	0.96	
			<i>For Work In Restricted Working Space, Add</i>	3.01	
23 21	13 23-0202	EA	1-1/4" x 3" Long, Schedule 40 Black Steel Nipple.....	13.38	7.24
			<i>For Schedule 80 Nipples, Add</i>	1.26	
			<i>For Work In Restricted Working Space, Add</i>	3.26	
23 21	13 23-0203	EA	1-1/2" x 3" Long, Schedule 40 Black Steel Nipple.....	14.01	7.24
			<i>For Schedule 80 Nipples, Add</i>	1.58	
			<i>For Work In Restricted Working Space, Add</i>	3.26	
23 21	13 23-0204	EA	2" x 3" Long, Schedule 40 Black Steel Nipple.....	18.10	9.32
			<i>For Schedule 80 Nipples, Add</i>	2.04	
			<i>For Work In Restricted Working Space, Add</i>	4.21	
23 21	13 23-0205	EA	2-1/2" x 3" Long, Schedule 40 Black Steel Nipple.....	28.79	11.61
			<i>For Schedule 80 Nipples, Add</i>	5.71	
			<i>For Work In Restricted Working Space, Add</i>	5.21	
23 21	13 23-0206	EA	3" x 3" Long, Schedule 40 Black Steel Nipple.....	35.38	14.02
			<i>For Schedule 80 Nipples, Add</i>	7.18	
			<i>For Work In Restricted Working Space, Add</i>	6.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0207 EA 3/8" x 3-1/2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	11.34 1.01 2.80	6.19
23 21 13 23-0208 EA 1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	10.73 0.71 2.80	6.19
23 21 13 23-0209 EA 3/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	11.03 0.86 2.80	6.19
23 21 13 23-0210 EA 1" x 3-1/2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.40 1.19 3.01	6.72
23 21 13 23-0211 EA 1-1/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.85 1.50 3.26	7.24
23 21 13 23-0212 EA 1-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.39 1.77 3.26	7.24
23 21 13 23-0213 EA 2" x 3-1/2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.95 2.47 4.21	9.32
23 21 13 23-0214 EA 2-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.80 6.71 5.21	11.61
23 21 13 23-0215 EA 3" x 3-1/2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.02 8.50 6.31	14.02
23 21 13 23-0216 EA 3/8" x 4" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	11.34 1.01 2.80	6.19
23 21 13 23-0217 EA 1/2" x 4" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	10.73 0.71 2.80	6.19
23 21 13 23-0218 EA 3/4" x 4" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	11.03 0.86 2.80	6.19
23 21 13 23-0219 EA 1" x 4" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.40 1.19 3.01	6.72
23 21 13 23-0220 EA 1-1/4" x 4" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.85 1.50 3.26	7.24
23 21 13 23-0221 EA 1-1/2" x 4" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.39 1.77 3.26	7.24
23 21 13 23-0222 EA 2" x 4" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.95 2.47 4.21	9.32
23 21 13 23-0223 EA 2-1/2" x 4" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.80 6.71 5.21	11.61
23 21 13 23-0224 EA 3" x 4" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.02 8.50 6.31	14.02
23 21 13 23-0225 EA 4" x 4" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	46.13 11.51 6.94	15.44
23 21 13 23-0226 EA 3/8" x 4-1/2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.23 1.46 2.80	6.19
23 21 13 23-0227 EA 1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	10.97 0.83 2.80	6.19
23 21 13 23-0228 EA 3/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	11.47 1.08 2.80	6.19
23 21 13 23-0229 EA 1" x 4-1/2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.85 1.41 3.01	6.72
23 21 13 23-0230 EA 1-1/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.43 1.79 3.26	7.24
23 21 13 23-0231 EA 1-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.17 2.16 3.26	7.24
23 21 13 23-0232 EA 2" x 4-1/2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.70 2.84 4.21	9.32
23 21 13 23-0233 EA 2-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.12 7.37 5.21	11.61
23 21 13 23-0234 EA 3" x 4-1/2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.77 9.38 6.31	14.02

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0235	EA	4" x 4-1/2" Long, Schedule 40 Black Steel Nipple.....	49.42	15.44
			<i>For Schedule 80 Nipples, Add</i>	13.15	
			<i>For Work In Restricted Working Space, Add</i>	6.94	
23 21	13 23-0236	EA	3/8" x 5" Long, Schedule 40 Black Steel Nipple.....	12.23	6.19
			<i>For Schedule 80 Nipples, Add</i>	1.46	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
23 21	13 23-0237	EA	1/2" x 5" Long, Schedule 40 Black Steel Nipple.....	10.97	6.19
			<i>For Schedule 80 Nipples, Add</i>	0.83	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
23 21	13 23-0238	EA	3/4" x 5" Long, Schedule 40 Black Steel Nipple.....	11.47	6.19
			<i>For Schedule 80 Nipples, Add</i>	1.08	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
23 21	13 23-0239	EA	1" x 5" Long, Schedule 40 Black Steel Nipple.....	12.85	6.72
			<i>For Schedule 80 Nipples, Add</i>	1.41	
			<i>For Work In Restricted Working Space, Add</i>	3.01	
23 21	13 23-0240	EA	1-1/4" x 5" Long, Schedule 40 Black Steel Nipple.....	14.43	7.24
			<i>For Schedule 80 Nipples, Add</i>	1.79	
			<i>For Work In Restricted Working Space, Add</i>	3.26	
23 21	13 23-0241	EA	1-1/2" x 5" Long, Schedule 40 Black Steel Nipple.....	15.17	7.24
			<i>For Schedule 80 Nipples, Add</i>	2.16	
			<i>For Work In Restricted Working Space, Add</i>	3.26	
23 21	13 23-0242	EA	2" x 5" Long, Schedule 40 Black Steel Nipple.....	19.70	9.32
			<i>For Schedule 80 Nipples, Add</i>	2.84	
			<i>For Work In Restricted Working Space, Add</i>	4.21	
23 21	13 23-0243	EA	2-1/2" x 5" Long, Schedule 40 Black Steel Nipple.....	32.12	11.61
			<i>For Schedule 80 Nipples, Add</i>	7.37	
			<i>For Work In Restricted Working Space, Add</i>	5.21	
23 21	13 23-0244	EA	3" x 5" Long, Schedule 40 Black Steel Nipple.....	39.77	14.02
			<i>For Schedule 80 Nipples, Add</i>	9.38	
			<i>For Work In Restricted Working Space, Add</i>	6.31	
23 21	13 23-0245	EA	4" x 5" Long, Schedule 40 Black Steel Nipple.....	49.42	15.44
			<i>For Schedule 80 Nipples, Add</i>	13.15	
			<i>For Work In Restricted Working Space, Add</i>	6.94	
23 21	13 23-0246	EA	3/8" x 6" Long, Schedule 40 Black Steel Nipple.....	12.56	6.19
			<i>For Schedule 80 Nipples, Add</i>	1.62	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
23 21	13 23-0247	EA	1/2" x 6" Long, Schedule 40 Black Steel Nipple.....	11.17	6.19
			<i>For Schedule 80 Nipples, Add</i>	0.93	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
23 21	13 23-0248	EA	3/4" x 6" Long, Schedule 40 Black Steel Nipple.....	11.77	6.19
			<i>For Schedule 80 Nipples, Add</i>	1.23	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
23 21	13 23-0249	EA	1" x 6" Long, Schedule 40 Black Steel Nipple.....	13.36	6.72
			<i>For Schedule 80 Nipples, Add</i>	1.67	
			<i>For Work In Restricted Working Space, Add</i>	3.01	
23 21	13 23-0250	EA	1-1/4" x 6" Long, Schedule 40 Black Steel Nipple.....	15.10	7.24
			<i>For Schedule 80 Nipples, Add</i>	2.12	
			<i>For Work In Restricted Working Space, Add</i>	3.26	
23 21	13 23-0251	EA	1-1/2" x 6" Long, Schedule 40 Black Steel Nipple.....	15.81	7.24
			<i>For Schedule 80 Nipples, Add</i>	2.48	
			<i>For Work In Restricted Working Space, Add</i>	3.26	
23 21	13 23-0252	EA	2" x 6" Long, Schedule 40 Black Steel Nipple.....	20.68	9.32
			<i>For Schedule 80 Nipples, Add</i>	3.33	
			<i>For Work In Restricted Working Space, Add</i>	4.21	
23 21	13 23-0253	EA	2-1/2" x 6" Long, Schedule 40 Black Steel Nipple.....	32.74	11.61
			<i>For Schedule 80 Nipples, Add</i>	7.68	
			<i>For Work In Restricted Working Space, Add</i>	5.21	
23 21	13 23-0254	EA	3" x 6" Long, Schedule 40 Black Steel Nipple.....	41.40	14.02
			<i>For Schedule 80 Nipples, Add</i>	10.19	
			<i>For Work In Restricted Working Space, Add</i>	6.31	
23 21	13 23-0255	EA	4" x 6" Long, Schedule 40 Black Steel Nipple.....	51.23	15.44
			<i>For Schedule 80 Nipples, Add</i>	14.06	
			<i>For Work In Restricted Working Space, Add</i>	6.94	
23 21	13 23-0256	EA	3/8" x 8" Long, Schedule 40 Black Steel Nipple.....	15.01	6.19
			<i>For Schedule 80 Nipples, Add</i>	2.85	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
23 21	13 23-0257	EA	1/2" x 8" Long, Schedule 40 Black Steel Nipple.....	12.65	6.19
			<i>For Schedule 80 Nipples, Add</i>	1.67	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
23 21	13 23-0258	EA	3/4" x 8" Long, Schedule 40 Black Steel Nipple.....	13.40	6.19
			<i>For Schedule 80 Nipples, Add</i>	2.04	
			<i>For Work In Restricted Working Space, Add</i>	2.80	
23 21	13 23-0259	EA	1" x 8" Long, Schedule 40 Black Steel Nipple.....	15.48	6.72
			<i>For Schedule 80 Nipples, Add</i>	2.73	
			<i>For Work In Restricted Working Space, Add</i>	3.01	
23 21	13 23-0260	EA	1-1/4" x 8" Long, Schedule 40 Black Steel Nipple.....	17.70	7.24
			<i>For Schedule 80 Nipples, Add</i>	3.42	
			<i>For Work In Restricted Working Space, Add</i>	3.26	
23 21	13 23-0261	EA	1-1/2" x 8" Long, Schedule 40 Black Steel Nipple.....	18.71	7.24
			<i>For Schedule 80 Nipples, Add</i>	3.93	
			<i>For Work In Restricted Working Space, Add</i>	3.26	
23 21	13 23-0262	EA	2" x 8" Long, Schedule 40 Black Steel Nipple.....	25.18	9.32
			<i>For Schedule 80 Nipples, Add</i>	5.58	
			<i>For Work In Restricted Working Space, Add</i>	4.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0263 EA 2-1/2" x 8" Long, Schedule 40 Black Steel Nipple .....	36.93	11.61
<i>For Schedule 80 Nipples, Add</i>	9.78	
<i>For Work In Restricted Working Space, Add</i>	5.21	
23 21 13 23-0264 EA 3" x 8" Long, Schedule 40 Black Steel Nipple.....	48.52	14.02
<i>For Schedule 80 Nipples, Add</i>	13.75	
<i>For Work In Restricted Working Space, Add</i>	6.31	
23 21 13 23-0265 EA 4" x 8" Long, Schedule 40 Black Steel Nipple.....	55.56	15.44
<i>For Schedule 80 Nipples, Add</i>	16.22	
<i>For Work In Restricted Working Space, Add</i>	6.94	
23 21 13 23-0266 EA 3/8" x 10" Long, Schedule 40 Black Steel Nipple.....	15.71	6.19
<i>For Schedule 80 Nipples, Add</i>	3.20	
<i>For Work In Restricted Working Space, Add</i>	2.80	
23 21 13 23-0267 EA 1/2" x 10" Long, Schedule 40 Black Steel Nipple.....	13.32	6.19
<i>For Schedule 80 Nipples, Add</i>	2.00	
<i>For Work In Restricted Working Space, Add</i>	2.80	
23 21 13 23-0268 EA 3/4" x 10" Long, Schedule 40 Black Steel Nipple.....	14.06	6.19
<i>For Schedule 80 Nipples, Add</i>	2.37	
<i>For Work In Restricted Working Space, Add</i>	2.80	
23 21 13 23-0269 EA 1" x 10" Long, Schedule 40 Black Steel Nipple.....	16.40	6.72
<i>For Schedule 80 Nipples, Add</i>	3.19	
<i>For Work In Restricted Working Space, Add</i>	3.01	
23 21 13 23-0270 EA 1-1/4" x 10" Long, Schedule 40 Black Steel Nipple .....	19.06	7.24
<i>For Schedule 80 Nipples, Add</i>	4.10	
<i>For Work In Restricted Working Space, Add</i>	3.26	
23 21 13 23-0271 EA 1-1/2" x 10" Long, Schedule 40 Black Steel Nipple .....	20.04	7.24
<i>For Schedule 80 Nipples, Add</i>	4.59	
<i>For Work In Restricted Working Space, Add</i>	3.26	
23 21 13 23-0272 EA 2" x 10" Long, Schedule 40 Black Steel Nipple.....	27.14	9.32
<i>For Schedule 80 Nipples, Add</i>	6.56	
<i>For Work In Restricted Working Space, Add</i>	4.21	
23 21 13 23-0273 EA 2-1/2" x 10" Long, Schedule 40 Black Steel Nipple .....	39.34	11.61
<i>For Schedule 80 Nipples, Add</i>	10.98	
<i>For Work In Restricted Working Space, Add</i>	5.21	
23 21 13 23-0274 EA 3" x 10" Long, Schedule 40 Black Steel Nipple.....	51.91	14.02
<i>For Schedule 80 Nipples, Add</i>	15.45	
<i>For Work In Restricted Working Space, Add</i>	6.31	
23 21 13 23-0275 EA 4" x 10" Long, Schedule 40 Black Steel Nipple.....	60.07	15.44
<i>For Schedule 80 Nipples, Add</i>	18.48	
<i>For Work In Restricted Working Space, Add</i>	6.94	
23 21 13 23-0276 EA 3/8" x 12" Long, Schedule 40 Black Steel Nipple.....	16.59	6.19
<i>For Schedule 80 Nipples, Add</i>	3.64	
<i>For Work In Restricted Working Space, Add</i>	2.80	
23 21 13 23-0277 EA 1/2" x 12" Long, Schedule 40 Black Steel Nipple.....	14.07	6.19
<i>For Schedule 80 Nipples, Add</i>	2.38	
<i>For Work In Restricted Working Space, Add</i>	2.80	
23 21 13 23-0278 EA 3/4" x 12" Long, Schedule 40 Black Steel Nipple.....	14.58	6.19
<i>For Schedule 80 Nipples, Add</i>	2.63	
<i>For Work In Restricted Working Space, Add</i>	2.80	
23 21 13 23-0279 EA 1" x 12" Long, Schedule 40 Black Steel Nipple.....	17.34	6.72
<i>For Schedule 80 Nipples, Add</i>	3.66	
<i>For Work In Restricted Working Space, Add</i>	3.01	
23 21 13 23-0280 EA 1-1/4" x 12" Long, Schedule 40 Black Steel Nipple .....	20.16	7.24
<i>For Schedule 80 Nipples, Add</i>	4.65	
<i>For Work In Restricted Working Space, Add</i>	3.26	
23 21 13 23-0281 EA 1-1/2" x 12" Long, Schedule 40 Black Steel Nipple .....	21.44	7.24
<i>For Schedule 80 Nipples, Add</i>	5.29	
<i>For Work In Restricted Working Space, Add</i>	3.26	
23 21 13 23-0282 EA 2" x 12" Long, Schedule 40 Black Steel Nipple.....	29.13	9.32
<i>For Schedule 80 Nipples, Add</i>	7.56	
<i>For Work In Restricted Working Space, Add</i>	4.21	
23 21 13 23-0283 EA 2-1/2" x 12" Long, Schedule 40 Black Steel Nipple .....	41.81	11.61
<i>For Schedule 80 Nipples, Add</i>	12.22	
<i>For Work In Restricted Working Space, Add</i>	5.21	
23 21 13 23-0284 EA 3" x 12" Long, Schedule 40 Black Steel Nipple.....	55.30	14.02
<i>For Schedule 80 Nipples, Add</i>	17.14	
<i>For Work In Restricted Working Space, Add</i>	6.31	
23 21 13 23-0285 EA 4" x 12" Long, Schedule 40 Black Steel Nipple.....	66.43	15.44
<i>For Schedule 80 Nipples, Add</i>	21.66	
<i>For Work In Restricted Working Space, Add</i>	6.94	
<b>23 21 13 23-0286 Black Malleable Iron Bushing (2321 13 23-0014)</b>		
23 21 13 23-0287 EA 1/2" x 3/8", 150 LB, Black Malleable Iron Bushing .....	20.35	10.63
<i>For Work In Restricted Working Space, Add</i>	4.78	
23 21 13 23-0288 EA 3/4" x 3/8", 150 LB, Black Malleable Iron Bushing.....	23.49	11.40
<i>For Work In Restricted Working Space, Add</i>	5.14	
23 21 13 23-0289 EA 3/4" x 1/2", 150 LB, Black Malleable Iron Bushing .....	24.79	12.25
<i>For Work In Restricted Working Space, Add</i>	5.53	
23 21 13 23-0290 EA 1" x 3/8", 150 LB, Black Malleable Iron Bushing.....	27.03	12.19
<i>For Work In Restricted Working Space, Add</i>	5.48	
23 21 13 23-0291 EA 1" x 1/2", 150 LB, Black Malleable Iron Bushing .....	26.11	13.04
<i>For Work In Restricted Working Space, Add</i>	5.87	
23 21 13 23-0292 EA 1" x 3/4", 150 LB, Black Malleable Iron Bushing.....	27.15	13.75
<i>For Work In Restricted Working Space, Add</i>	6.18	



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0293	EA	1-1/4" x 3/8", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	29.52 5.90	13.10
23 21	13 23-0294	EA	1-1/4" x 1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	30.39 6.30	14.02
23 21	13 23-0295	EA	1-1/4" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	30.49 6.61	14.67
23 21	13 23-0296	EA	1-1/4" x 1", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	31.63 6.95	15.45
23 21	13 23-0297	EA	1-1/2" x 3/8", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	34.25 6.38	14.21
23 21	13 23-0298	EA	1-1/2" x 1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	33.27 6.77	15.05
23 21	13 23-0299	EA	1-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	34.31 7.08	15.71
23 21	13 23-0300	EA	1-1/2" x 1", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	34.13 7.42	16.50
23 21	13 23-0301	EA	1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	36.91 7.85	17.47
23 21	13 23-0302	EA	2" x 3/8", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	43.35 7.50	16.69
23 21	13 23-0303	EA	2" x 1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	42.48 7.89	17.54
23 21	13 23-0304	EA	2" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	41.03 8.21	18.25
23 21	13 23-0305	EA	2" x 1", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	41.30 8.54	18.97
23 21	13 23-0306	EA	2" x 1-1/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	42.74 8.98	19.95
23 21	13 23-0307	EA	2" x 1-1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	45.74 9.44	20.99
23 21	13 23-0308	EA	2-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	59.10 10.74	23.86
23 21	13 23-0309	EA	2-1/2" x 1", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	60.24 11.09	24.64
23 21	13 23-0310	EA	2-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	61.67 11.51	25.55
23 21	13 23-0311	EA	2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	61.64 11.99	26.66
23 21	13 23-0312	EA	2-1/2" x 2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	65.21 13.11	29.14
23 21	13 23-0313	EA	3" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	76.25 13.22	29.33
23 21	13 23-0314	EA	3" x 1", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	77.37 13.55	30.12
23 21	13 23-0315	EA	3" x 1-1/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	78.81 13.98	31.10
23 21	13 23-0316	EA	3" x 1-1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	79.76 14.45	32.14
23 21	13 23-0317	EA	3" x 2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	81.44 15.58	34.62
23 21	13 23-0318	EA	3" x 2-1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	90.33 18.11	40.28
23 21	13 23-0319	EA	4" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	104.12 12.71	28.20
23 21	13 23-0320	EA	4" x 1", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	105.12 13.01	28.90
23 21	13 23-0321	EA	4" x 1-1/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	106.39 13.39	29.77
23 21	13 23-0322	EA	4" x 1-1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	107.78 13.80	30.69
23 21	13 23-0323	EA	4" x 2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	107.79 14.80	32.89
23 21	13 23-0324	EA	4" x 2-1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	115.28 17.05	37.92
23 21	13 23-0325	EA	4" x 3", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	122.60 19.25	42.77
23 21	13 23-0326		<b>Black Malleable Iron Square Head Plugs</b> <small>(23 21 13 23-0014)</small>		
23 21	13 23-0327	EA	3/8", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	9.17 1.74	3.84
23 21	13 23-0328	EA	1/2", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	10.56 2.09	4.63
23 21	13 23-0329	EA	3/4", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	11.38 2.33	5.21
23 21	13 23-0330	EA	1", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	13.21 2.61	5.80
23 21	13 23-0331	EA	1-1/4", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	15.54 2.95	6.58
23 21	13 23-0332	EA	1-1/2", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	19.04 3.33	7.37
23 21	13 23-0333	EA	2", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	25.40 4.23	9.39



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0334 EA 2-1/2", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	41.42 6.26	13.89
23 21 13 23-0335 EA 3", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	55.68 8.24	18.32
23 21 13 23-0336 EA 4", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	86.19 8.09	17.98
23 21 13 23-0337 EA 5", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	155.34 8.45	18.79
23 21 13 23-0338 EA 6", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	186.97 8.83	19.60
<b>23 21 13 23-0339 125 LB Black Cast Iron Screwed Flanges</b> <small>(23 21 13 23-0014)</small>		
23 21 13 23-0340 EA 3/4", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	103.58 11.73	26.08
23 21 13 23-0341 EA 1", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	85.20 13.26	29.46
23 21 13 23-0342 EA 1-1/4", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	94.80 13.72	30.51
23 21 13 23-0343 EA 1-1/2", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	95.09 14.93	33.19
23 21 13 23-0344 EA 2", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	97.18 15.58	34.62
23 21 13 23-0345 EA 2-1/2", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	113.00 18.02	40.09
23 21 13 23-0346 EA 3", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	144.42 22.87	50.85
23 21 13 23-0347 EA 4", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	184.37 27.74	61.67
23 21 13 23-0348 EA 5", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	239.90 33.03	73.47
23 21 13 23-0349 EA 6", 125 LB, Black Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	273.30 37.93	84.33
<b>23 21 13 23-0350 150 LB, Black Malleable Iron Flanges</b> <small>(23 21 13 23-0014)</small>		
23 21 13 23-0351 EA 1/2", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	49.98 10.72	23.80
23 21 13 23-0352 EA 3/4", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	54.48 11.73	26.08
23 21 13 23-0353 EA 1", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	64.16 13.26	29.46
23 21 13 23-0354 EA 1-1/4", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	67.09 13.72	30.51
23 21 13 23-0355 EA 1-1/2", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	73.05 14.93	33.19
23 21 13 23-0356 EA 2", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	82.30 15.58	34.62
23 21 13 23-0357 EA 2-1/2", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	107.70 18.02	40.09
23 21 13 23-0358 EA 3", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	136.42 22.87	50.85
23 21 13 23-0359 EA 4", 150 LB, Black Malleable Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	194.71 27.74	61.67
<b>23 21 13 23-0360 Cut And Thread Existing In-Place Black Steel Pipe</b> <small>(23 21 13 23-0014)</small> Note: For use when connecting pipe to an existing in-place system.		
23 21 13 23-0361 EA 1/2", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	21.24 6.37	
23 21 13 23-0362 EA 3/4", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	23.37 7.01	
23 21 13 23-0363 EA 1", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	25.49 7.65	
23 21 13 23-0364 EA 1-1/4", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	27.61 8.28	
23 21 13 23-0365 EA 1-1/2", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	29.03 8.71	
23 21 13 23-0366 EA 2", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	30.45 9.14	
23 21 13 23-0367 EA 2-1/2", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	31.87 9.56	
23 21 13 23-0368 EA 3", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	33.28 9.98	
23 21 13 23-0369 EA 4", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	34.70 10.41	
23 21 13 23-0370 EA 6", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	37.53 11.26	
23 21 13 23-0371 EA 8", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	40.36 12.11	
23 21 13 23-0372 EA 10", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	43.90 13.17	
23 21 13 23-0373 EA 12", Cut And Thread Existing In Place Black Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	46.73 14.02	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 21 13 23-0374		Welded Black Steel Pipe <sup>(23 21 13 23)</sup>			
23 21 13 23-0375		Welded Plain End Black Steel Pipe Assemblies <sup>(23 21 13 23-0374)</sup>			
		Note: ASTM A-53. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
23 21 13 23-0376	LF	3/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	16.78		5.08
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		<i>For Work In Restricted Working Space, Add</i>	3.71		
23 21 13 23-0377	LF	1" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	18.59		5.42
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		<i>For Work In Restricted Working Space, Add</i>	4.16		
23 21 13 23-0378	LF	1-1/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	22.37		5.75
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		<i>For Work In Restricted Working Space, Add</i>	4.77		
23 21 13 23-0379	LF	1-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	23.88		5.75
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		<i>For Work In Restricted Working Space, Add</i>	4.99		
23 21 13 23-0380	LF	2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	27.23		5.75
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		<i>For Work In Restricted Working Space, Add</i>	5.78		
23 21 13 23-0381	LF	2-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	31.58		5.75
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		<i>For Work In Restricted Working Space, Add</i>	6.70		
23 21 13 23-0382	LF	3" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	36.87		5.62
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		<i>For Work In Restricted Working Space, Add</i>	7.07		
23 21 13 23-0383	LF	4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	46.39		6.44
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		<i>For Work In Restricted Working Space, Add</i>	7.99		
23 21 13 23-0384	LF	6" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	63.95		9.60
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		<i>For Work In Restricted Working Space, Add</i>	9.20		
23 21 13 23-0385	LF	8" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	97.61		11.91
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		<i>For Work In Restricted Working Space, Add</i>	13.64		
23 21 13 23-0386	LF	10" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	132.36		14.89
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		<i>For Work In Restricted Working Space, Add</i>	16.27		
23 21 13 23-0387	LF	12" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	167.63		17.99
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		<i>For Work In Restricted Working Space, Add</i>	18.80		
23 21 13 23-0388	LF	14" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	188.65		23.47
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		<i>For Work In Restricted Working Space, Add</i>	20.97		
23 21 13 23-0389	LF	16" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	221.52		29.79
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		<i>For Work In Restricted Working Space, Add</i>	23.43		
23 21 13 23-0390	LF	18" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	284.10		36.88
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		<i>For Work In Restricted Working Space, Add</i>	25.72		
23 21 13 23-0391	LF	20" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	371.36		45.57
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		<i>For Work In Restricted Working Space, Add</i>	29.43		
23 21 13 23-0392	LF	24" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	464.05		51.65
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.			
		<i>For Work In Restricted Working Space, Add</i>	32.36		
23 21 13 23-0393		Welded Black Steel Pipe And Fittings <sup>(23 21 13 23-0374)</sup>			
		Note: ASTM A-53. Excludes hangers or fittings.			
23 21 13 23-0394		Welded Plain End Black Steel Piping <sup>(23 21 13 23-0393)</sup>			
		Note: ASTM A-53			
23 21 13 23-0395	LF	3/4" Schedule 40, Welded Plain End Black Steel Pipe .....	6.93		2.70
		<i>For Schedule 80 Pipe, Add</i>	1.12		
		<i>For Schedule A-106 Pipe, Add</i>	0.18		
		<i>For Work In Restricted Working Space, Add</i>	1.63		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0396 LF 1" Schedule 40, Welded Plain End Black Steel Pipe .....	8.78	3.39
<i>For Schedule 80 Pipe, Add</i>	1.42	
<i>For Schedule A-106 Pipe, Add</i>	0.24	
<i>For Work In Restricted Working Space, Add</i>	2.03	
23 21 13 23-0397 LF 1-1/4" Schedule 40, Welded Plain End Black Steel Pipe .....	11.06	4.06
<i>For Schedule 80 Pipe, Add</i>	1.81	
<i>For Schedule A-106 Pipe, Add</i>	0.35	
<i>For Work In Restricted Working Space, Add</i>	2.44	
23 21 13 23-0398 LF 1-1/2" Schedule 40, Welded Plain End Black Steel Pipe .....	13.39	4.74
<i>For Schedule 80 Pipe, Add</i>	2.20	
<i>For Schedule A-106 Pipe, Add</i>	0.47	
<i>For Work In Restricted Working Space, Add</i>	2.84	
23 21 13 23-0399 LF 2" Schedule 40, Welded Plain End Black Steel Pipe .....	15.92	5.62
<i>For Schedule 80 Pipe, Add</i>	2.62	
<i>For Schedule A-106 Pipe, Add</i>	0.56	
<i>For Work In Restricted Working Space, Add</i>	3.37	
23 21 13 23-0400 LF 2-1/2" Schedule 40, Welded Plain End Black Steel Pipe .....	18.18	6.37
<i>For Schedule 80 Pipe, Add</i>	4.14	
<i>For Schedule A-106 Pipe, Add</i>	0.65	
<i>For Work In Restricted Working Space, Add</i>	3.82	
23 21 13 23-0401 LF 3" Schedule 40, Welded Plain End Black Steel Pipe .....	22.34	6.84
<i>For Schedule 80 Pipe, Add</i>	5.43	
<i>For Schedule A-106 Pipe, Add</i>	1.04	
<i>For Work In Restricted Working Space, Add</i>	4.10	
23 21 13 23-0402 LF 4" Schedule 40, Welded Plain End Black Steel Pipe .....	30.81	8.47
<i>For Schedule 80 Pipe, Add</i>	7.82	
<i>For Schedule A-106 Pipe, Add</i>	1.67	
<i>For Work In Restricted Working Space, Add</i>	5.08	
23 21 13 23-0403 LF 6" Schedule 40, Welded Plain End Black Steel Pipe .....	44.25	13.71
<i>For Schedule 80 Pipe, Add</i>	11.81	
<i>For Schedule A-106 Pipe, Add</i>	2.79	
<i>For Work In Restricted Working Space, Add</i>	6.30	
23 21 13 23-0404 LF 8" Schedule 40, Welded Plain End Black Steel Pipe .....	60.69	12.81
<i>For Schedule 80 Pipe, Add</i>	16.76	
<i>For Schedule A-106 Pipe, Add</i>	4.21	
<i>For Schedule 30 Pipe, Deduct</i>	-9.58	
<i>For Work In Restricted Working Space, Add</i>	7.69	
23 21 13 23-0405 LF 10" Schedule 40, Welded Plain End Black Steel Pipe .....	80.50	15.43
<i>For Schedule 80 Pipe, Add</i>	22.77	
<i>For Schedule A-106 Pipe, Add</i>	5.96	
<i>For Schedule 30 Pipe, Deduct</i>	-13.01	
<i>For Work In Restricted Working Space, Add</i>	9.26	
23 21 13 23-0406 LF 12" Schedule 40, Welded Plain End Black Steel Pipe .....	102.95	18.64
<i>For Schedule 80 Pipe, Add</i>	29.51	
<i>For Schedule A-106 Pipe, Add</i>	7.88	
<i>For Schedule 30 Pipe, Deduct</i>	-16.86	
<i>For Work In Restricted Working Space, Add</i>	11.19	
23 21 13 23-0407 LF 14" Schedule 40, Welded Plain End Black Steel Pipe .....	99.19	19.66
<i>For Schedule 80 Pipe, Add</i>	27.84	
<i>For Schedule A-106 Pipe, Add</i>	7.18	
<i>For Schedule 30 Pipe, Deduct</i>	-15.91	
<i>For Schedule 20 Pipe, Deduct</i>	-28.82	
<i>For Work In Restricted Working Space, Add</i>	11.80	
23 21 13 23-0408 LF 16" Schedule 40, Welded Plain End Black Steel Pipe .....	109.22	21.15
<i>For Schedule 80 Pipe, Add</i>	30.82	
<i>For Schedule A-106 Pipe, Add</i>	8.03	
<i>For Schedule 30 Pipe, Deduct</i>	-17.61	
<i>For Schedule 20 Pipe, Deduct</i>	-31.88	
<i>For Work In Restricted Working Space, Add</i>	12.69	
23 21 13 23-0409 LF 18" Schedule 40, Welded Plain End Black Steel Pipe .....	138.50	22.88
<i>For Schedule 80 Pipe, Add</i>	40.47	
<i>For Schedule A-106 Pipe, Add</i>	11.13	
<i>For Schedule 30 Pipe, Deduct</i>	-23.12	
<i>For Schedule 20 Pipe, Deduct</i>	-41.61	
<i>For Work In Restricted Working Space, Add</i>	13.73	
23 21 13 23-0410 LF 20" Schedule 40, Welded Plain End Black Steel Pipe .....	163.70	27.41
<i>For Schedule 80 Pipe, Add</i>	47.70	
<i>For Schedule A-106 Pipe, Add</i>	13.07	
<i>For Work In Restricted Working Space, Add</i>	16.44	
23 21 13 23-0411 LF 24" Schedule 40, Welded Plain End Black Steel Pipe .....	203.70	31.52
<i>For Schedule 80 Pipe, Add</i>	60.26	
<i>For Schedule A-106 Pipe, Add</i>	16.88	
<i>For Work In Restricted Working Space, Add</i>	18.91	
<b>23 21 13 23-0412 Welded Plain End Black Steel 90 Degree Elbows</b> <small>(23 21 13 23-0393)</small>		
23 21 13 23-0413 EA 3/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	74.41	37.77
<i>For Schedule 80 Fittings, Add</i>	16.38	
<i>For Work In Restricted Working Space, Add</i>	16.98	
23 21 13 23-0414 EA 1" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	77.38	39.74
<i>For Schedule 80 Fittings, Add</i>	16.96	
<i>For Work In Restricted Working Space, Add</i>	17.87	
23 21 13 23-0415 EA 1-1/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	85.72	45.28
<i>For Schedule 80 Fittings, Add</i>	18.59	
<i>For Work In Restricted Working Space, Add</i>	20.37	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0416	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	91.08	48.86
			<i>For Schedule 80 Fittings, Add</i>	19.63	
			<i>For Work In Restricted Working Space, Add</i>	21.98	
23 21	13 23-0417	EA	2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	113.12	63.57
			<i>For Schedule 80 Fittings, Add</i>	23.93	
			<i>For Work In Restricted Working Space, Add</i>	28.59	
23 21	13 23-0418	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	142.88	79.47
			<i>For Schedule 80 Fittings, Add</i>	30.35	
			<i>For Work In Restricted Working Space, Add</i>	35.74	
23 21	13 23-0419	EA	3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	165.58	91.55
			<i>For Schedule 80 Fittings, Add</i>	35.27	
			<i>For Work In Restricted Working Space, Add</i>	41.16	
23 21	13 23-0420	EA	4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	284.07	158.17
			<i>For Schedule 80 Fittings, Add</i>	60.32	
			<i>For Work In Restricted Working Space, Add</i>	71.15	
23 21	13 23-0421	EA	6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	506.76	261.02
			<i>For Schedule 80 Fittings, Add</i>	110.93	
			<i>For Work In Restricted Working Space, Add</i>	117.42	
23 21	13 23-0422	EA	8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	698.18	322.86
			<i>For Schedule 80 Fittings, Add</i>	158.63	
			<i>For Work In Restricted Working Space, Add</i>	145.22	
23 21	13 23-0423	EA	10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	946.36	369.02
			<i>For Schedule 80 Fittings, Add</i>	225.82	
			<i>For Work In Restricted Working Space, Add</i>	165.97	
23 21	13 23-0424	EA	12" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	1,293.90	482.82
			<i>For Schedule 80 Fittings, Add</i>	312.17	
			<i>For Work In Restricted Working Space, Add</i>	217.16	
23 21	13 23-0425	EA	14" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	1,627.19	570.70
			<i>For Schedule 80 Fittings, Add</i>	398.32	
			<i>For Work In Restricted Working Space, Add</i>	256.69	
23 21	13 23-0426	EA	16" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	2,055.22	666.44
			<i>For Schedule 80 Fittings, Add</i>	511.66	
			<i>For Work In Restricted Working Space, Add</i>	299.74	
23 21	13 23-0427	EA	18" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	2,473.34	743.12
			<i>For Schedule 80 Fittings, Add</i>	625.02	
			<i>For Work In Restricted Working Space, Add</i>	334.23	
23 21	13 23-0428	EA	20" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	3,247.02	833.20
			<i>For Schedule 80 Fittings, Add</i>	842.94	
			<i>For Work In Restricted Working Space, Add</i>	374.76	
23 21	13 23-0429	EA	24" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	3,901.79	861.02
			<i>For Schedule 80 Fittings, Add</i>	1,035.00	
			<i>For Work In Restricted Working Space, Add</i>	387.26	
23 21	13 23-0430		<b>Welded Plain End Black Steel Reducing 90 Degree Elbows</b> <small>(23 21 13 23-0393)</small>		
23 21	13 23-0431	EA	4" x 3" 90 Standard Weight, Welded Plain End Black Steel Reducing 90 Degree Elbow .....	430.60	158.45
			<i>For Schedule 80 Fittings, Add</i>	104.23	
			<i>For Work In Restricted Working Space, Add</i>	71.28	
23 21	13 23-0432	EA	6" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	764.47	258.05
			<i>For Schedule 80 Fittings, Add</i>	188.71	
			<i>For Work In Restricted Working Space, Add</i>	116.08	
23 21	13 23-0433	EA	6" x 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	829.20	258.05
			<i>For Schedule 80 Fittings, Add</i>	208.13	
			<i>For Work In Restricted Working Space, Add</i>	116.08	
23 21	13 23-0434	EA	8" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	1,280.49	322.86
			<i>For Schedule 80 Fittings, Add</i>	333.32	
			<i>For Work In Restricted Working Space, Add</i>	145.22	
23 21	13 23-0435	EA	8" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	1,434.84	322.86
			<i>For Schedule 80 Fittings, Add</i>	379.62	
			<i>For Work In Restricted Working Space, Add</i>	145.22	
23 21	13 23-0436	EA	10" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	1,826.25	369.02
			<i>For Schedule 80 Fittings, Add</i>	489.79	
			<i>For Work In Restricted Working Space, Add</i>	165.97	
23 21	13 23-0437	EA	10" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	1,826.25	369.02
			<i>For Schedule 80 Fittings, Add</i>	489.79	
			<i>For Work In Restricted Working Space, Add</i>	165.97	
23 21	13 23-0438	EA	12" x 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	3,101.18	491.99
			<i>For Schedule 80 Fittings, Add</i>	852.90	
			<i>For Work In Restricted Working Space, Add</i>	221.29	
23 21	13 23-0439	EA	12" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	3,101.18	491.99
			<i>For Schedule 80 Fittings, Add</i>	852.90	
			<i>For Work In Restricted Working Space, Add</i>	221.29	
23 21	13 23-0440	EA	12" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow .....	3,521.02	491.99
			<i>For Schedule 80 Fittings, Add</i>	978.85	
			<i>For Work In Restricted Working Space, Add</i>	221.29	
23 21	13 23-0441		<b>Welded Plain End Black Steel 45 Degree Elbows</b> <small>(23 21 13 23-0393)</small>		
23 21	13 23-0442	EA	3/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow .....	71.68	38.39
			<i>For Schedule 80 Fittings, Add</i>	15.46	
			<i>For Work In Restricted Working Space, Add</i>	17.27	
23 21	13 23-0443	EA	1" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow .....	73.71	39.75
			<i>For Schedule 80 Fittings, Add</i>	15.86	
			<i>For Work In Restricted Working Space, Add</i>	17.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0444 EA 1-1/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow .....	82.52	45.64
<i>For Schedule 80 Fittings, Add</i>	17.58	
<i>For Work In Restricted Working Space, Add</i>	20.52	
23 21 13 23-0445 EA 1-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow .....	87.94	49.23
<i>For Schedule 80 Fittings, Add</i>	18.63	
<i>For Work In Restricted Working Space, Add</i>	22.14	
23 21 13 23-0446 EA 2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow .....	109.61	63.64
<i>For Schedule 80 Fittings, Add</i>	22.86	
<i>For Work In Restricted Working Space, Add</i>	28.64	
23 21 13 23-0447 EA 2-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow .....	136.30	79.97
<i>For Schedule 80 Fittings, Add</i>	28.31	
<i>For Work In Restricted Working Space, Add</i>	35.96	
23 21 13 23-0448 EA 3" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow .....	157.90	91.48
<i>For Schedule 80 Fittings, Add</i>	32.97	
<i>For Work In Restricted Working Space, Add</i>	41.15	
23 21 13 23-0449 EA 4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow .....	271.35	158.11
<i>For Schedule 80 Fittings, Add</i>	56.51	
<i>For Work In Restricted Working Space, Add</i>	71.13	
23 21 13 23-0450 EA 6" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow .....	475.17	260.76
<i>For Schedule 80 Fittings, Add</i>	101.50	
<i>For Work In Restricted Working Space, Add</i>	117.28	
23 21 13 23-0451 EA 8" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow .....	640.40	322.86
<i>For Schedule 80 Fittings, Add</i>	141.29	
<i>For Work In Restricted Working Space, Add</i>	145.22	
23 21 13 23-0452 EA 10" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow .....	840.28	369.02
<i>For Schedule 80 Fittings, Add</i>	193.99	
<i>For Work In Restricted Working Space, Add</i>	165.97	
23 21 13 23-0453 EA 12" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow .....	1,138.72	481.93
<i>For Schedule 80 Fittings, Add</i>	265.75	
<i>For Work In Restricted Working Space, Add</i>	216.75	
23 21 13 23-0454 EA 14" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow .....	1,420.11	571.48
<i>For Schedule 80 Fittings, Add</i>	336.07	
<i>For Work In Restricted Working Space, Add</i>	257.03	
23 21 13 23-0455 EA 16" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow .....	1,769.19	665.73
<i>For Schedule 80 Fittings, Add</i>	425.96	
<i>For Work In Restricted Working Space, Add</i>	299.42	
23 21 13 23-0456 EA 18" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow .....	2,105.25	742.22
<i>For Schedule 80 Fittings, Add</i>	514.73	
<i>For Work In Restricted Working Space, Add</i>	333.84	
23 21 13 23-0457 EA 20" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow .....	2,707.90	833.20
<i>For Schedule 80 Fittings, Add</i>	681.20	
<i>For Work In Restricted Working Space, Add</i>	374.76	
23 21 13 23-0458 EA 24" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow .....	3,197.22	861.02
<i>For Schedule 80 Fittings, Add</i>	823.63	
<i>For Work In Restricted Working Space, Add</i>	387.26	
<b>23 21 13 23-0459 Welded Plain End Black Steel Tee <small>(23 21 13 23-0393)</small></b>		
23 21 13 23-0460 EA 3/4" Standard Weight, Welded Plain End Black Steel Tee .....	151.02	72.25
<i>For Schedule 80 Fittings, Add</i>	33.93	
<i>For Work In Restricted Working Space, Add</i>	32.50	
23 21 13 23-0461 EA 1" Standard Weight, Welded Plain End Black Steel Tee .....	150.98	72.25
<i>For Schedule 80 Fittings, Add</i>	33.92	
<i>For Work In Restricted Working Space, Add</i>	32.49	
23 21 13 23-0462 EA 1-1/4" Standard Weight, Welded Plain End Black Steel Tee .....	171.92	80.38
<i>For Schedule 80 Fittings, Add</i>	38.93	
<i>For Work In Restricted Working Space, Add</i>	36.14	
23 21 13 23-0463 EA 1-1/2" Standard Weight, Welded Plain End Black Steel Tee .....	186.86	90.32
<i>For Schedule 80 Fittings, Add</i>	41.84	
<i>For Work In Restricted Working Space, Add</i>	40.63	
23 21 13 23-0464 EA 2" Standard Weight, Welded Plain End Black Steel Tee .....	226.31	120.60
<i>For Schedule 80 Fittings, Add</i>	48.91	
<i>For Work In Restricted Working Space, Add</i>	54.24	
23 21 13 23-0465 EA 2-1/2" Standard Weight, Welded Plain End Black Steel Tee .....	259.67	135.49
<i>For Schedule 80 Fittings, Add</i>	56.57	
<i>For Work In Restricted Working Space, Add</i>	60.94	
23 21 13 23-0466 EA 3" Standard Weight, Welded Plain End Black Steel Tee .....	309.06	164.54
<i>For Schedule 80 Fittings, Add</i>	66.84	
<i>For Work In Restricted Working Space, Add</i>	73.94	
23 21 13 23-0467 EA 4" Standard Weight, Welded Plain End Black Steel Tee .....	443.44	237.73
<i>For Schedule 80 Fittings, Add</i>	95.61	
<i>For Work In Restricted Working Space, Add</i>	106.91	
23 21 13 23-0468 EA 6" Standard Weight, Welded Plain End Black Steel Tee .....	747.25	392.73
<i>For Schedule 80 Fittings, Add</i>	162.35	
<i>For Work In Restricted Working Space, Add</i>	176.64	
23 21 13 23-0469 EA 8" Standard Weight, Welded Plain End Black Steel Tee .....	1,031.03	491.99
<i>For Schedule 80 Fittings, Add</i>	231.86	
<i>For Work In Restricted Working Space, Add</i>	221.29	
23 21 13 23-0470 EA 10" Standard Weight, Welded Plain End Black Steel Tee .....	1,352.51	573.97
<i>For Schedule 80 Fittings, Add</i>	315.39	
<i>For Work In Restricted Working Space, Add</i>	258.17	
23 21 13 23-0471 EA 12" Standard Weight, Welded Plain End Black Steel Tee .....	1,854.65	738.00
<i>For Schedule 80 Fittings, Add</i>	440.22	
<i>For Work In Restricted Working Space, Add</i>	331.94	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0472 EA 14" Standard Weight, Welded Plain End Black Steel Tee..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,493.80 612.60 387.26	861.02
23 21 13 23-0473 EA 16" Standard Weight, Welded Plain End Black Steel Tee..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,003.29 738.34 464.71	1,033.21
23 21 13 23-0474 EA 18" Standard Weight, Welded Plain End Black Steel Tee..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,096.65 1,048.28 516.34	1,148.01
23 21 13 23-0475 EA 20" Standard Weight, Welded Plain End Black Steel Tee..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,603.77 1,477.82 580.89	1,291.54
23 21 13 23-0476 EA 24" Standard Weight, Welded Plain End Black Steel Tee..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	6,558.57 1,748.62 625.57	1,390.88
<b>23 21 13 23-0477 Welded Plain End Black Steel Reducing Tees</b> (23 21 13 23-0393)		
23 21 13 23-0478 EA 3/4" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	147.63 33.27 31.49	70.01
23 21 13 23-0479 EA 1" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	150.98 33.92 32.49	72.25
23 21 13 23-0480 EA 1-1/4" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	169.20 38.11 36.14	80.38
23 21 13 23-0481 EA 1-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	184.14 41.02 40.63	90.32
23 21 13 23-0482 EA 2" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	232.41 50.73 54.26	120.60
23 21 13 23-0483 EA 2-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	259.76 56.59 60.97	135.56
23 21 13 23-0484 EA 3" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	309.35 66.92 73.94	164.54
23 21 13 23-0485 EA 4" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	443.84 95.73 106.91	237.73
23 21 13 23-0486 EA 6" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	747.94 162.56 176.64	392.73
23 21 13 23-0487 EA 8" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,032.35 232.25 221.29	491.99
23 21 13 23-0488 EA 10" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,354.75 316.07 258.17	573.97
23 21 13 23-0489 EA 12" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,858.04 441.23 331.94	738.00
23 21 13 23-0490 EA 14" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,499.26 614.24 387.26	861.02
23 21 13 23-0491 EA 16" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,009.91 740.33 464.71	1,033.21
23 21 13 23-0492 EA 18" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,107.47 1,051.52 516.34	1,148.01
<b>23 21 13 23-0493 Welded Plain End Black Steel Eccentric Reducers</b> (23 21 13 23-0393)		
23 21 13 23-0494 EA 3" x 2" Standard Weight, Welded Plain End Black Steel Eccentric Reducer ..... <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	173.93 37.82 -11.88 41.04	91.21
23 21 13 23-0495 EA 4" x 3" Standard Weight, Welded Plain End Black Steel Eccentric Reducer ..... <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	282.59 59.83 -14.40 71.28	158.45
23 21 13 23-0496 EA 4" x 2" Standard Weight, Welded Plain End Black Steel Eccentric Reducer ..... <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	295.53 63.71 -18.54 71.28	158.45
23 21 13 23-0497 EA 6" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer ..... <i>For Schedule 80 Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	477.88 102.74 -29.11 116.08	258.05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0498 EA 6" x 3" Standard Weight, Welded Plain End Black Steel Eccentric Reducer .....	544.13	258.05
For Schedule 80 Fittings, Add	122.61	
For Concentric Reducers, Deduct	-50.31	
For Work In Restricted Working Space, Add	116.08	
23 21 13 23-0499 EA 8" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer .....	724.75	392.73
For Schedule 80 Fittings, Add	155.60	
For Concentric Reducers, Deduct	-43.51	
For Work In Restricted Working Space, Add	176.64	
23 21 13 23-0500 EA 8" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer .....	823.51	392.73
For Schedule 80 Fittings, Add	185.23	
For Concentric Reducers, Deduct	-75.11	
For Work In Restricted Working Space, Add	176.64	
23 21 13 23-0501 EA 10" x 8" Standard Weight, Welded Plain End Black Steel Eccentric Reducer .....	837.50	451.64
For Schedule 80 Fittings, Add	180.15	
For Concentric Reducers, Deduct	-51.32	
For Work In Restricted Working Space, Add	203.14	
23 21 13 23-0502 EA 10" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer .....	961.70	451.64
For Schedule 80 Fittings, Add	217.41	
For Concentric Reducers, Deduct	-91.07	
For Work In Restricted Working Space, Add	203.14	
23 21 13 23-0503 EA 12" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer .....	988.55	491.04
For Schedule 80 Fittings, Add	219.26	
For Concentric Reducers, Deduct	-80.74	
For Work In Restricted Working Space, Add	220.87	
23 21 13 23-0504 EA 12" x 8" Standard Weight, Welded Plain End Black Steel Eccentric Reducer .....	1,132.38	491.04
For Schedule 80 Fittings, Add	262.41	
For Concentric Reducers, Deduct	-126.77	
For Work In Restricted Working Space, Add	220.87	
23 21 13 23-0505 EA 14" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer .....	1,303.64	573.97
For Schedule 80 Fittings, Add	300.73	
For Concentric Reducers, Deduct	-141.78	
For Work In Restricted Working Space, Add	258.17	
23 21 13 23-0506 EA 14" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer .....	1,383.87	573.97
For Schedule 80 Fittings, Add	324.80	
For Concentric Reducers, Deduct	-167.46	
For Work In Restricted Working Space, Add	258.17	
23 21 13 23-0507 EA 16" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer .....	1,569.68	645.77
For Schedule 80 Fittings, Add	369.25	
For Concentric Reducers, Deduct	-192.49	
For Work In Restricted Working Space, Add	290.44	
23 21 13 23-0508 EA 16" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer .....	1,776.04	645.77
For Schedule 80 Fittings, Add	431.16	
For Concentric Reducers, Deduct	-258.53	
For Work In Restricted Working Space, Add	290.44	
23 21 13 23-0509 EA 18" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer .....	2,084.53	738.00
For Schedule 80 Fittings, Add	509.18	
For Concentric Reducers, Deduct	-312.99	
For Work In Restricted Working Space, Add	331.94	
<b>23 21 13 23-0510 Welded Plain End Black Steel Caps (23 21 13 23-0393)</b>		
23 21 13 23-0511 EA 1" Standard Weight, Welded Plain End Black Steel Cap .....	42.90	22.62
For Schedule 80 Fittings, Add	8.64	
For Work In Restricted Working Space, Add	10.16	
23 21 13 23-0512 EA 1-1/4" Standard Weight, Welded Plain End Black Steel Cap .....	46.85	24.85
For Schedule 80 Fittings, Add	9.40	
For Work In Restricted Working Space, Add	11.17	
23 21 13 23-0513 EA 1-1/2" Standard Weight, Welded Plain End Black Steel Cap .....	48.78	25.73
For Schedule 80 Fittings, Add	9.81	
For Work In Restricted Working Space, Add	11.58	
23 21 13 23-0514 EA 2" Standard Weight, Welded Plain End Black Steel Cap .....	59.62	32.98
For Schedule 80 Fittings, Add	11.71	
For Work In Restricted Working Space, Add	14.83	
23 21 13 23-0515 EA 2-1/2" Standard Weight, Welded Plain End Black Steel Cap .....	69.77	39.75
For Schedule 80 Fittings, Add	13.48	
For Work In Restricted Working Space, Add	17.88	
23 21 13 23-0516 EA 3" Standard Weight, Welded Plain End Black Steel Cap .....	83.45	45.84
For Schedule 80 Fittings, Add	16.44	
For Work In Restricted Working Space, Add	20.63	
23 21 13 23-0517 EA 4" Standard Weight, Welded Plain End Black Steel Cap .....	138.35	79.22
For Schedule 80 Fittings, Add	26.66	
For Work In Restricted Working Space, Add	35.64	
23 21 13 23-0518 EA 6" Standard Weight, Welded Plain End Black Steel Cap .....	233.41	130.89
For Schedule 80 Fittings, Add	45.49	
For Work In Restricted Working Space, Add	58.88	
23 21 13 23-0519 EA 8" Standard Weight, Welded Plain End Black Steel Cap .....	386.04	220.34
For Schedule 80 Fittings, Add	74.52	
For Work In Restricted Working Space, Add	99.09	
23 21 13 23-0520 EA 10" Standard Weight, Welded Plain End Black Steel Cap .....	445.05	231.64
For Schedule 80 Fittings, Add	90.11	
For Work In Restricted Working Space, Add	104.17	
23 21 13 23-0521 EA 12" Standard Weight, Welded Plain End Black Steel Cap .....	482.53	240.28
For Schedule 80 Fittings, Add	99.73	
For Work In Restricted Working Space, Add	108.07	



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0522	EA	14" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	660.17 144.26 129.09	286.98
23 21	13 23-0523	EA	16" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	766.71 167.55 149.91	333.28
23 21	13 23-0524	EA	18" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	860.33 188.95 165.97	369.02
<b>23 21</b>	<b>13 23-0525</b>		<b>150 LB, Welded Plain End Black Steel Neck Flanges</b> <small>(23 21 13 23-0393)</small> Note: 150 LB.		
23 21	13 23-0526	EA	2", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	126.40 42.94 22.96	51.05
23 21	13 23-0527	EA	2-1/2", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	145.38 44.93 28.66	63.72
23 21	13 23-0528	EA	3", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	159.13 46.41 32.76	72.86
23 21	13 23-0529	EA	4", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	207.67 59.65 43.22	96.08
23 21	13 23-0530	EA	6", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	316.29 91.44 65.53	145.71
23 21	13 23-0531	EA	8", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	379.60 141.17 62.80	139.65
23 21	13 23-0532	EA	10", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	542.44 223.49 78.77	175.10
23 21	13 23-0533	EA	12", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	705.99 316.95 89.37	198.69
23 21	13 23-0534	EA	14", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	979.77 471.50 108.07	240.28
23 21	13 23-0535	EA	16", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,386.59 721.51 125.60	279.25
23 21	13 23-0536	EA	18", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,813.16 989.92 140.82	313.08
23 21	13 23-0537	EA	20", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,297.72 1,253.91 178.73	397.39
23 21	13 23-0538	EA	24", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,666.43 1,482.47 193.63	430.51
<b>23 21</b>	<b>13 23-0539</b>		<b>150 LB, Welded Black Steel Slip-On Flanges</b> <small>(23 21 13 23-0393)</small>		
23 21	13 23-0540	EA	2", 150 LB, Welded Black Steel Slip-On Flanges <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	85.45 28.46 18.28	51.05
23 21	13 23-0541	EA	2-1/2", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	105.95 36.14 22.34	63.72
23 21	13 23-0542	EA	3", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	125.07 42.58 26.41	72.86
23 21	13 23-0543	EA	4", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	165.64 57.56 34.53	96.08
23 21	13 23-0544	EA	6", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	247.04 87.76 50.78	145.71
23 21	13 23-0545	EA	8", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	308.95 126.50 57.19	139.65
23 21	13 23-0546	EA	10", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	442.56 208.84 71.50	175.10
23 21	13 23-0547	EA	12", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	608.22 320.04 85.79	198.69
23 21	13 23-0548	EA	14", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	804.45 458.76 100.09	240.28
23 21	13 23-0549	EA	16", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,003.28 609.29 110.82	279.25



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0550 EA 18", 150 LB, Welded Black Steel Slip-On Flange .....	1,115.89	313.08
For 300 LB Rating, Add	682.21	
For Work In Restricted Working Space, Add	121.54	
23 21 13 23-0551 EA 20", 150 LB, Welded Black Steel Slip-On Flange .....	1,248.75	397.39
For 300 LB Rating, Add	773.38	
For Work In Restricted Working Space, Add	132.26	
23 21 13 23-0552 EA 24", 150 LB, Welded Black Steel Slip-On Flange .....	1,420.09	430.51
For 300 LB Rating, Add	870.75	
For Work In Restricted Working Space, Add	153.71	
<b>23 21 13 23-0553 150 LB, Forged Steel Blind Flanges (23 21 13 23-0393)</b>		
23 21 13 23-0554 EA 2", 150 LB, Forged Steel Blind Flange.....	64.49	18.18
For 300 LB Rating, Add	26.33	
For 600 LB Rating, Add	72.99	
For Work In Restricted Working Space, Add	10.91	
23 21 13 23-0555 EA 2-1/2", 150 LB, Forged Steel Blind Flange.....	89.26	21.81
For 300 LB Rating, Add	41.09	
For 600 LB Rating, Add	116.06	
For Work In Restricted Working Space, Add	13.09	
23 21 13 23-0556 EA 3", 150 LB, Forged Steel Blind Flange.....	105.36	29.08
For 300 LB Rating, Add	43.87	
For 600 LB Rating, Add	122.00	
For Work In Restricted Working Space, Add	17.45	
23 21 13 23-0557 EA 4", 150 LB, Forged Steel Blind Flange.....	137.76	36.35
For 300 LB Rating, Add	59.67	
For 600 LB Rating, Add	167.03	
For Work In Restricted Working Space, Add	21.81	
23 21 13 23-0558 EA 6", 150 LB, Forged Steel Blind Flange.....	193.10	47.26
For 300 LB Rating, Add	88.79	
For 600 LB Rating, Add	250.77	
For Work In Restricted Working Space, Add	28.36	
23 21 13 23-0559 EA 8", 150 LB, Forged Steel Blind Flange.....	265.43	54.54
For 300 LB Rating, Add	136.55	
For 600 LB Rating, Add	391.65	
For Work In Restricted Working Space, Add	32.72	
23 21 13 23-0560 EA 10", 150 LB, Forged Steel Blind Flange.....	436.24	65.44
For 300 LB Rating, Add	258.03	
For 600 LB Rating, Add	752.50	
For Work In Restricted Working Space, Add	39.26	
23 21 13 23-0561 EA 12", 150 LB, Forged Steel Blind Flange.....	584.89	76.35
For 300 LB Rating, Add	361.79	
For 600 LB Rating, Add	1,060.18	
For Work In Restricted Working Space, Add	45.81	
23 21 13 23-0562 EA 14", 150 LB, Forged Steel Blind Flange.....	1,064.37	87.26
For 300 LB Rating, Add	730.22	
For Work In Restricted Working Space, Add	52.35	
23 21 13 23-0563 EA 16", 150 LB, Forged Steel Blind Flange.....	1,134.30	98.15
For 300 LB Rating, Add	771.00	
For Work In Restricted Working Space, Add	58.90	
23 21 13 23-0564 EA 18", 150 LB, Forged Steel Blind Flange.....	1,258.72	119.97
For 300 LB Rating, Add	840.21	
For Work In Restricted Working Space, Add	71.99	
23 21 13 23-0565 EA 20", 150 LB, Forged Steel Blind Flange.....	1,656.63	130.88
For 300 LB Rating, Add	1,143.38	
For Work In Restricted Working Space, Add	78.53	
23 21 13 23-0566 EA 24", 150 LB, Forged Steel Blind Flange.....	2,302.38	152.69
For 300 LB Rating, Add	1,629.66	
For Work In Restricted Working Space, Add	91.61	
<b>23 21 13 23-0567 3,000 LB, Forge Steel Thread-O-Lets (23 21 13 23-0393)</b>		
23 21 13 23-0568 EA 1/2", 3,000 LB, Forge Steel Thread-O-Let .....	54.98	
For Weld-O-Lets, Add	6.16	
For Sock-O-Lets, Add	21.51	
For Work In Restricted Working Space, Add	12.80	
23 21 13 23-0569 EA 3/4", 3,000 LB, Forge Steel Thread-O-Let .....	59.16	
For Weld-O-Lets, Add	7.24	
For Sock-O-Lets, Add	23.20	
For Work In Restricted Working Space, Add	13.41	
23 21 13 23-0570 EA 1", 3,000 LB, Forge Steel Thread-O-Let .....	63.62	
For Weld-O-Lets, Add	8.11	
For Sock-O-Lets, Add	24.99	
For Work In Restricted Working Space, Add	14.22	
23 21 13 23-0571 EA 1-1/4", 3,000 LB, Forge Steel Thread-O-Let.....	73.80	
For Weld-O-Lets, Add	11.51	
For Sock-O-Lets, Add	29.19	
For Work In Restricted Working Space, Add	15.24	
23 21 13 23-0572 EA 1-1/2", 3,000 LB, Forge Steel Thread-O-Let.....	80.56	
For Weld-O-Lets, Add	11.51	
For Sock-O-Lets, Add	31.76	
For Work In Restricted Working Space, Add	17.27	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0573	EA	2", 3,000 LB, Forge Steel Thread-O-Let .....	104.00	
			<i>For Weld-O-Lets, Add</i>	14.39	
			<i>For Sock-O-Lets, Add</i>	40.96	
			<i>For Work In Restricted Working Space, Add</i>	22.57	
23 21	13 23-0574	EA	2-1/2", 3,000 LB, Forge Steel Thread-O-Let .....	201.15	
			<i>For Weld-O-Lets, Add</i>	52.21	
			<i>For Sock-O-Lets, Add</i>	81.66	
			<i>For Work In Restricted Working Space, Add</i>	29.02	
23 21	13 23-0575	EA	3", 3,000 LB, Forge Steel Thread-O-Let .....	240.46	
			<i>For Weld-O-Lets, Add</i>	52.52	
			<i>For Sock-O-Lets, Add</i>	96.63	
			<i>For Work In Restricted Working Space, Add</i>	40.63	
23 21	13 23-0576	EA	4", 3,000 LB, Forge Steel Thread-O-Let .....	374.89	
			<i>For Weld-O-Lets, Add</i>	102.81	
			<i>For Sock-O-Lets, Add</i>	152.74	
			<i>For Work In Restricted Working Space, Add</i>	50.78	
23 21	13 23-0577		<b>Class 150 Flange, Steel Bolt And Gasket Sets</b> <small>(23 21 13 23-0577)</small>		
			Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		
23 21	13 23-0578	EA	3/4" To 1-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set .....	10.44	
			Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	2.92	
			<i>For Hot Dip Galvanized, Add</i>	4.18	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	7.31	
23 21	13 23-0579	EA	2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set .....	13.28	
			Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	3.72	
			<i>For Hot Dip Galvanized, Add</i>	5.31	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	9.30	
23 21	13 23-0580	EA	2-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set .....	13.42	
			Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	3.76	
			<i>For Hot Dip Galvanized, Add</i>	5.37	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	9.39	
23 21	13 23-0581	EA	3" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set .....	13.47	
			Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	3.77	
			<i>For Hot Dip Galvanized, Add</i>	5.39	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	9.43	
23 21	13 23-0582	EA	4" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set .....	30.30	
			Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	8.48	
			<i>For Hot Dip Galvanized, Add</i>	12.12	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	21.21	
23 21	13 23-0583	EA	5" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set .....	43.28	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	12.12	
			<i>For Hot Dip Galvanized, Add</i>	17.31	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	30.30	
23 21	13 23-0584	EA	6" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set .....	46.78	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	13.10	
			<i>For Hot Dip Galvanized, Add</i>	18.71	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	32.75	
23 21	13 23-0585	EA	8" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set .....	51.21	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	14.34	
			<i>For Hot Dip Galvanized, Add</i>	20.48	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	35.85	
23 21	13 23-0586	EA	10" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set .....	113.45	
			Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	31.77	
			<i>For Hot Dip Galvanized, Add</i>	45.38	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	79.42	
23 21	13 23-0587	EA	12" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set .....	115.48	
			Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	32.33	
			<i>For Hot Dip Galvanized, Add</i>	46.19	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	80.84	
23 21	13 23-0588	EA	14" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set .....	129.50	
			Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	36.26	
			<i>For Hot Dip Galvanized, Add</i>	51.80	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	90.65	
23 21	13 23-0589	EA	16" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set .....	215.45	
			Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	60.33	
			<i>For Hot Dip Galvanized, Add</i>	86.18	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	150.82	
23 21	13 23-0590	EA	18" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set .....	310.96	
			Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	87.07	
			<i>For Hot Dip Galvanized, Add</i>	124.38	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	217.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0591 EA 20" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	392.83	
Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
For Zinc Plated, Add	109.99	
For Hot Dip Galvanized, Add	157.13	
For Advanced Fluoropolymer (Blue Coating), Add	274.98	
23 21 13 23-0592 EA 24" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	560.16	
Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
For Zinc Plated, Add	156.84	
For Hot Dip Galvanized, Add	224.06	
For Advanced Fluoropolymer (Blue Coating), Add	392.11	
23 21 13 23-0593 EA 30" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	884.41	
Note: Includes rubber gasket, and twenty-eight (28) 1-1/4" diameter bolts with washers and nut.		
For Zinc Plated, Add	247.63	
For Hot Dip Galvanized, Add	353.76	
For Advanced Fluoropolymer (Blue Coating), Add	619.09	
23 21 13 23-0594 EA 36" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	1,258.98	
Note: Includes rubber gasket, and thirty-two (32) 1-1/2" diameter bolts with washers and nut.		
For Zinc Plated, Add	352.51	
For Hot Dip Galvanized, Add	503.59	
For Advanced Fluoropolymer (Blue Coating), Add	881.29	
<b>23 21 13 23-0595 Class 300 Flange, Steel Bolt And Gasket Sets</b> <small>(23 21 13 23-0393)</small>		
Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		
23 21 13 23-0596 EA 3/4" To 1-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	16.54	
Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
For Zinc Plated, Add	4.63	
For Hot Dip Galvanized, Add	6.62	
For Advanced Fluoropolymer (Blue Coating), Add	11.58	
23 21 13 23-0597 EA 2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	30.66	
Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
For Zinc Plated, Add	8.58	
For Hot Dip Galvanized, Add	12.26	
For Advanced Fluoropolymer (Blue Coating), Add	21.46	
23 21 13 23-0598 EA 2-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	47.92	
Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
For Zinc Plated, Add	13.42	
For Hot Dip Galvanized, Add	19.17	
For Advanced Fluoropolymer (Blue Coating), Add	33.54	
23 21 13 23-0599 EA 3" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	52.06	
Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
For Zinc Plated, Add	14.58	
For Hot Dip Galvanized, Add	20.82	
For Advanced Fluoropolymer (Blue Coating), Add	36.44	
23 21 13 23-0600 EA 4" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	53.13	
Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
For Zinc Plated, Add	14.88	
For Hot Dip Galvanized, Add	21.25	
For Advanced Fluoropolymer (Blue Coating), Add	37.19	
23 21 13 23-0601 EA 5" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	56.78	
Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
For Zinc Plated, Add	15.90	
For Hot Dip Galvanized, Add	22.71	
For Advanced Fluoropolymer (Blue Coating), Add	39.75	
23 21 13 23-0602 EA 6" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	82.11	
Note: Includes rubber gasket, and twelve (12) 3/4" diameter bolts with washers and nut.		
For Zinc Plated, Add	22.99	
For Hot Dip Galvanized, Add	32.84	
For Advanced Fluoropolymer (Blue Coating), Add	57.48	
23 21 13 23-0603 EA 8" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	127.50	
Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
For Zinc Plated, Add	35.70	
For Hot Dip Galvanized, Add	51.00	
For Advanced Fluoropolymer (Blue Coating), Add	89.25	
23 21 13 23-0604 EA 10" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	233.91	
Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
For Zinc Plated, Add	65.49	
For Hot Dip Galvanized, Add	93.56	
For Advanced Fluoropolymer (Blue Coating), Add	163.74	
23 21 13 23-0605 EA 12" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	337.79	
Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
For Zinc Plated, Add	94.58	
For Hot Dip Galvanized, Add	135.12	
For Advanced Fluoropolymer (Blue Coating), Add	236.45	
23 21 13 23-0606 EA 14" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	462.47	
Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
For Zinc Plated, Add	129.49	
For Hot Dip Galvanized, Add	184.99	
For Advanced Fluoropolymer (Blue Coating), Add	323.73	
23 21 13 23-0607 EA 16" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	638.82	
Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
For Zinc Plated, Add	178.87	
For Hot Dip Galvanized, Add	255.53	
For Advanced Fluoropolymer (Blue Coating), Add	447.17	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0608	EA	18" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	820.21	
			Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	229.66	
			<i>For Hot Dip Galvanized, Add</i>	328.08	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	574.15	
23 21	13 23-0609	EA	20" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	870.30	
			Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	243.68	
			<i>For Hot Dip Galvanized, Add</i>	348.12	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	609.21	
23 21	13 23-0610	EA	24" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,102.91	
			Note: Includes rubber gasket, and twenty-four (24) 1-1/2" diameter bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	308.81	
			<i>For Hot Dip Galvanized, Add</i>	441.16	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	772.04	
23 21	13 23-0611	EA	30" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,731.13	
			Note: Includes rubber gasket, and twenty-eight (28) 1-3/4" diameter bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	484.72	
			<i>For Hot Dip Galvanized, Add</i>	692.45	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	1,211.79	
23 21	13 23-0612	EA	36" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	2,628.91	
			Note: Includes rubber gasket, and thirty-two (32) 2" diameter bolts with washers and nut.		
			<i>For Zinc Plated, Add</i>	736.09	
			<i>For Hot Dip Galvanized, Add</i>	1,051.56	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	1,840.24	
23 21	13 23-0613		<b>Class 150 Flange, Stainless Steel Bolt And Gasket Sets</b> <small>(23 21 13 23-0393)</small>		
			Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		
23 21	13 23-0614	EA	3/4" To 1-1/2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set.....	10.44	
			Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.		
23 21	13 23-0615	EA	2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set .....	30.22	
			Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
23 21	13 23-0616	EA	2-1/2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set .....	30.28	
			Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
23 21	13 23-0617	EA	3" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set .....	30.33	
			Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
23 21	13 23-0618	EA	4" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set .....	64.05	
			Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
23 21	13 23-0619	EA	5" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set .....	81.29	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
23 21	13 23-0620	EA	6" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set .....	91.71	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
23 21	13 23-0621	EA	8" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set .....	92.28	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
23 21	13 23-0622	EA	10" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set .....	237.85	
			Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
23 21	13 23-0623	EA	12" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set .....	238.91	
			Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
23 21	13 23-0624	EA	14" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set .....	361.47	
			Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.		
23 21	13 23-0625	EA	16" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set .....	481.51	
			Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
23 21	13 23-0626	EA	18" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set .....	1,250.45	
			Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
23 21	13 23-0627	EA	20" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set .....	1,448.84	
			Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
23 21	13 23-0628	EA	24" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set .....	1,672.84	
			Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
23 21	13 23-0629		<b>150 LB, Rubber Flange Gasket Replacement</b> <small>(23 21 13 23-0393)</small>		
			Note: Includes unbolting, removal of old gaskets, new 150 LB rubber gasket and rebolting.		
23 21	13 23-0630	EA	1/2", 150 LB, Rubber Flange Gasket Replacement .....	20.15	
			<i>For 300 LB Rating Gasket Set, Add</i>	0.02	
			<i>For Work In Restricted Working Space, Add</i>	6.02	
23 21	13 23-0631	EA	3/4", 150 LB, Rubber Flange Gasket Replacement .....	21.53	
			<i>For 300 LB Rating Gasket Set, Add</i>	0.04	
			<i>For Work In Restricted Working Space, Add</i>	6.43	
23 21	13 23-0632	EA	1", 150 LB, Rubber Flange Gasket Replacement .....	23.60	
			<i>For 300 LB Rating Gasket Set, Add</i>	0.06	
			<i>For Work In Restricted Working Space, Add</i>	7.03	
23 21	13 23-0633	EA	1-1/4", 150 LB, Rubber Flange Gasket Replacement .....	25.63	
			<i>For 300 LB Rating Gasket Set, Add</i>	0.07	
			<i>For Work In Restricted Working Space, Add</i>	7.63	
23 21	13 23-0634	EA	1-1/2", 150 LB, Rubber Flange Gasket Replacement .....	28.35	
			<i>For 300 LB Rating Gasket Set, Add</i>	0.08	
			<i>For Work In Restricted Working Space, Add</i>	8.43	
23 21	13 23-0635	EA	2", 150 LB, Rubber Flange Gasket Replacement .....	31.14	
			<i>For 300 LB Rating Gasket Set, Add</i>	0.12	
			<i>For Work In Restricted Working Space, Add</i>	9.24	
23 21	13 23-0636	EA	2-1/2", 150 LB, Rubber Flange Gasket Replacement .....	36.61	
			<i>For 300 LB Rating Gasket Set, Add</i>	0.16	
			<i>For Work In Restricted Working Space, Add</i>	10.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0637 EA 3", 150 LB, Rubber Flange Gasket Replacement.....	38.69	
<i>For 300 LB Rating Gasket Set, Add</i>	0.19	
<i>For Work In Restricted Working Space, Add</i>	11.45	
23 21 13 23-0638 EA 4", 150 LB, Rubber Flange Gasket Replacement.....	51.09	
<i>For 300 LB Rating Gasket Set, Add</i>	0.30	
<i>For Work In Restricted Working Space, Add</i>	15.07	
23 21 13 23-0639 EA 5", 150 LB, Rubber Flange Gasket Replacement.....	59.22	
<i>For 300 LB Rating Gasket Set, Add</i>	0.34	
<i>For Work In Restricted Working Space, Add</i>	17.48	
23 21 13 23-0640 EA 6", 150 LB, Rubber Flange Gasket Replacement.....	67.53	
<i>For 300 LB Rating Gasket Set, Add</i>	0.44	
<i>For Work In Restricted Working Space, Add</i>	19.88	
23 21 13 23-0641 EA 8", 150 LB, Rubber Flange Gasket Replacement.....	82.18	
<i>For 300 LB Rating Gasket Set, Add</i>	0.64	
<i>For Work In Restricted Working Space, Add</i>	24.10	
23 21 13 23-0642 EA 10", 150 LB, Rubber Flange Gasket Replacement.....	88.30	
<i>For 300 LB Rating Gasket Set, Add</i>	0.91	
<i>For Work In Restricted Working Space, Add</i>	25.71	
23 21 13 23-0643 EA 12", 150 LB, Rubber Flange Gasket Replacement.....	100.41	
<i>For 300 LB Rating Gasket Set, Add</i>	1.17	
<i>For Work In Restricted Working Space, Add</i>	29.12	
23 21 13 23-0644 EA 14", 150 LB, Rubber Flange Gasket Replacement.....	104.41	
<i>For 300 LB Rating Gasket Set, Add</i>	1.40	
<i>For Work In Restricted Working Space, Add</i>	30.13	
23 21 13 23-0645 EA 16", 150 LB, Rubber Flange Gasket Replacement.....	138.34	
<i>For 300 LB Rating Gasket Set, Add</i>	1.56	
<i>For Work In Restricted Working Space, Add</i>	40.17	
23 21 13 23-0646 EA 18", 150 LB, Rubber Flange Gasket Replacement.....	151.25	
<i>For 300 LB Rating Gasket Set, Add</i>	1.62	
<i>For Work In Restricted Working Space, Add</i>	43.98	
23 21 13 23-0647 EA 20", 150 LB, Rubber Flange Gasket Replacement.....	183.72	
<i>For 300 LB Rating Gasket Set, Add</i>	1.74	
<i>For Work In Restricted Working Space, Add</i>	53.62	
<b>23 21 13 23-0648 150 LB, Spiral Wound Metal Flange Gasket Replacement</b> <small>(23 21 13 23-0393)</small>		
<small>Note: Includes unbolting, removal of old gaskets, new 150 LB spiral wound metal flange gasket (1/8" thick carbon steel outer ring with spiral wound 304 stainless steel inner ring) and rebolting.</small>		
23 21 13 23-0649 EA 1/2", 150 LB, Spiral Wound Metal Flange Gasket Replacement.....	23.33	
<i>For 300 Lb., Add</i>	0.24	
<i>For Work In Restricted Working Space, Add</i>	6.02	
23 21 13 23-0650 EA 3/4", 150 LB, Spiral Wound Metal Flange Gasket Replacement.....	24.73	
<i>For 300 Lb., Add</i>	0.25	
<i>For Work In Restricted Working Space, Add</i>	6.43	
23 21 13 23-0651 EA 1", 150 LB, Spiral Wound Metal Flange Gasket Replacement.....	26.76	
<i>For 300 Lb., Add</i>	0.25	
<i>For Work In Restricted Working Space, Add</i>	7.03	
23 21 13 23-0652 EA 1-1/4", 150 LB, Spiral Wound Metal Flange Gasket Replacement.....	29.28	
<i>For 300 Lb., Add</i>	0.29	
<i>For Work In Restricted Working Space, Add</i>	7.63	
23 21 13 23-0653 EA 1-1/2", 150 LB, Spiral Wound Metal Flange Gasket Replacement.....	32.03	
<i>For 300 Lb., Add</i>	0.29	
<i>For Work In Restricted Working Space, Add</i>	8.43	
23 21 13 23-0654 EA 2", 150 LB, Spiral Wound Metal Flange Gasket Replacement.....	34.90	
<i>For 300 Lb., Add</i>	0.31	
<i>For Work In Restricted Working Space, Add</i>	9.24	
23 21 13 23-0655 EA 2-1/2", 150 LB, Spiral Wound Metal Flange Gasket Replacement.....	40.61	
<i>For 300 Lb., Add</i>	0.33	
<i>For Work In Restricted Working Space, Add</i>	10.85	
23 21 13 23-0656 EA 3", 150 LB, Spiral Wound Metal Flange Gasket Replacement.....	42.98	
<i>For 300 Lb., Add</i>	0.36	
<i>For Work In Restricted Working Space, Add</i>	11.45	
23 21 13 23-0657 EA 4", 150 LB, Spiral Wound Metal Flange Gasket Replacement.....	56.37	
<i>For 300 Lb., Add</i>	0.46	
<i>For Work In Restricted Working Space, Add</i>	15.07	
23 21 13 23-0658 EA 5", 150 LB, Spiral Wound Metal Flange Gasket Replacement.....	65.85	
<i>For 300 Lb., Add</i>	0.57	
<i>For Work In Restricted Working Space, Add</i>	17.47	
23 21 13 23-0659 EA 6", 150 LB, Spiral Wound Metal Flange Gasket Replacement.....	74.72	
<i>For 300 Lb., Add</i>	0.63	
<i>For Work In Restricted Working Space, Add</i>	19.88	
23 21 13 23-0660 EA 8", 150 LB, Spiral Wound Metal Flange Gasket Replacement.....	90.42	
<i>For 300 Lb., Add</i>	0.76	
<i>For Work In Restricted Working Space, Add</i>	24.11	
23 21 13 23-0661 EA 10", 150 LB, Spiral Wound Metal Flange Gasket Replacement.....	99.59	
<i>For 300 Lb., Add</i>	1.04	
<i>For Work In Restricted Working Space, Add</i>	25.71	
23 21 13 23-0662 EA 12", 150 LB, Spiral Wound Metal Flange Gasket Replacement.....	118.01	
<i>For 300 Lb., Add</i>	1.57	
<i>For Work In Restricted Working Space, Add</i>	29.12	
<b>23 21 13 23-0663 150 LB, Flexible Graphite Flange Gasket Replacement</b> <small>(23 21 13 23-0393)</small>		
<small>Note: Includes unbolting, removal of old gaskets, new 150 LB spiral wound metal flange gasket (flexible graphite outer ring with 316 stainless steel inner ring) and rebolting.</small>		

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0664 EA 1/2", 150 LB, Flexible Graphite Flange Gasket Replacement .....	20.73	
<i>For Work In Restricted Working Space, Add</i>	6.02	
23 21 13 23-0665 EA 3/4", 150 LB, Flexible Graphite Flange Gasket Replacement .....	22.51	
<i>For Work In Restricted Working Space, Add</i>	6.43	
23 21 13 23-0666 EA 1", 150 LB, Flexible Graphite Flange Gasket Replacement .....	24.67	
<i>For Work In Restricted Working Space, Add</i>	7.03	
23 21 13 23-0667 EA 1-1/4", 150 LB, Flexible Graphite Flange Gasket Replacement .....	27.20	
<i>For Work In Restricted Working Space, Add</i>	7.63	
23 21 13 23-0668 EA 1-1/2", 150 LB, Flexible Graphite Flange Gasket Replacement .....	29.99	
<i>For Work In Restricted Working Space, Add</i>	8.43	
23 21 13 23-0669 EA 2", 150 LB, Flexible Graphite Flange Gasket Replacement .....	33.26	
<i>For Work In Restricted Working Space, Add</i>	9.24	
23 21 13 23-0670 EA 2-1/2", 150 LB, Flexible Graphite Flange Gasket Replacement .....	39.48	
<i>For Work In Restricted Working Space, Add</i>	10.85	
23 21 13 23-0671 EA 3", 150 LB, Flexible Graphite Flange Gasket Replacement .....	41.67	
<i>For Work In Restricted Working Space, Add</i>	11.45	
23 21 13 23-0672 EA 4", 150 LB, Flexible Graphite Flange Gasket Replacement .....	55.90	
<i>For Work In Restricted Working Space, Add</i>	15.07	
23 21 13 23-0673 EA 5", 150 LB, Flexible Graphite Flange Gasket Replacement .....	65.01	
<i>For Work In Restricted Working Space, Add</i>	17.47	
23 21 13 23-0674 EA 6", 150 LB, Flexible Graphite Flange Gasket Replacement .....	73.82	
<i>For Work In Restricted Working Space, Add</i>	19.88	
23 21 13 23-0675 EA 8", 150 LB, Flexible Graphite Flange Gasket Replacement .....	93.03	
<i>For Work In Restricted Working Space, Add</i>	24.11	
23 21 13 23-0676 EA 10", 150 LB, Flexible Graphite Flange Gasket Replacement .....	104.11	
<i>For Work In Restricted Working Space, Add</i>	25.71	
23 21 13 23-0677 EA 12", 150 LB, Flexible Graphite Flange Gasket Replacement .....	119.85	
<i>For Work In Restricted Working Space, Add</i>	29.12	
<b>23 21 13 23-0678 150 LB, Teflon, Spiral Wound, Flange Gasket Replacement</b> <small>(23 21 13 23-0393)</small>		
Note: Includes unbolting, removal of old gaskets, new 150 LB spiral wound metal flange gasket (teflon outer ring with 304 stainless steel inner ring) and rebolting.		
23 21 13 23-0679 EA 1/2", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement .....	31.45	
<i>For Work In Restricted Working Space, Add</i>	6.02	
23 21 13 23-0680 EA 3/4", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement .....	33.57	
<i>For Work In Restricted Working Space, Add</i>	6.43	
23 21 13 23-0681 EA 1", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement .....	36.37	
<i>For Work In Restricted Working Space, Add</i>	7.03	
23 21 13 23-0682 EA 1-1/4", Teflon, Spiral Wound, Flange Gasket Replacement .....	41.10	
<i>For Work In Restricted Working Space, Add</i>	7.63	
23 21 13 23-0683 EA 1-1/2", Teflon, Spiral Wound, Flange Gasket Replacement .....	44.30	
<i>For Work In Restricted Working Space, Add</i>	8.43	
23 21 13 23-0684 EA 2", Teflon, Spiral Wound, Flange Gasket Replacement .....	48.33	
<i>For Work In Restricted Working Space, Add</i>	9.24	
23 21 13 23-0685 EA 2-1/2", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement .....	56.19	
<i>For Work In Restricted Working Space, Add</i>	10.85	
23 21 13 23-0686 EA 3", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement .....	63.59	
<i>For Work In Restricted Working Space, Add</i>	11.45	
23 21 13 23-0687 EA 4", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement .....	80.51	
<i>For Work In Restricted Working Space, Add</i>	15.07	
23 21 13 23-0688 EA 5", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement .....	95.97	
<i>For Work In Restricted Working Space, Add</i>	17.47	
23 21 13 23-0689 EA 6", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement .....	124.75	
<i>For Work In Restricted Working Space, Add</i>	19.88	
23 21 13 23-0690 EA 8", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement .....	138.09	
<i>For Work In Restricted Working Space, Add</i>	24.11	
23 21 13 23-0691 EA 10", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement .....	156.73	
<i>For Work In Restricted Working Space, Add</i>	25.71	
23 21 13 23-0692 EA 12", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement .....	204.36	
<i>For Work In Restricted Working Space, Add</i>	29.12	
<b>23 21 13 23-0693 Cut And Prepare For Welding Existing In-Place Black Steel Pipe</b> <small>(23 21 13 23-0393)</small>		
Note: For use when connecting pipe to an existing in-place system.		
23 21 13 23-0694 EA 1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	14.16	
<i>For Work In Restricted Working Space, Add</i>	4.25	
23 21 13 23-0695 EA 3/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	15.30	
<i>For Work In Restricted Working Space, Add</i>	4.59	
23 21 13 23-0696 EA 1", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	17.20	
<i>For Work In Restricted Working Space, Add</i>	5.16	
23 21 13 23-0697 EA 1-1/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	18.06	
<i>For Work In Restricted Working Space, Add</i>	5.42	
23 21 13 23-0698 EA 1-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	19.12	
<i>For Work In Restricted Working Space, Add</i>	5.74	
23 21 13 23-0699 EA 2", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	20.53	
<i>For Work In Restricted Working Space, Add</i>	6.16	
23 21 13 23-0700 EA 2-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	21.95	
<i>For Work In Restricted Working Space, Add</i>	6.59	
23 21 13 23-0701 EA 3", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	24.08	
<i>For Work In Restricted Working Space, Add</i>	7.22	
23 21 13 23-0702 EA 4", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	26.20	
<i>For Work In Restricted Working Space, Add</i>	7.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0703 EA 6", Cut And Prepare For Welding Existing In Place Black Steel Pipe ..... <i>For Work In Restricted Working Space, Add</i>	28.32 8.50	
23 21 13 23-0704 EA 8", Cut And Prepare For Welding Existing In Place Black Steel Pipe ..... <i>For Work In Restricted Working Space, Add</i>	30.45 9.14	
23 21 13 23-0705 EA 10", Cut And Prepare For Welding Existing In Place Black Steel Pipe ..... <i>For Work In Restricted Working Space, Add</i>	33.28 9.98	
23 21 13 23-0706 EA 12", Cut And Prepare For Welding Existing In Place Black Steel Pipe ..... <i>For Work In Restricted Working Space, Add</i>	36.11 10.83	
23 21 13 23-0707 EA 14", Cut And Prepare For Welding Existing In Place Black Steel Pipe ..... <i>For Work In Restricted Working Space, Add</i>	38.94 11.68	
23 21 13 23-0708 EA 16", Cut And Prepare For Welding Existing In Place Black Steel Pipe ..... <i>For Work In Restricted Working Space, Add</i>	41.77 12.53	
23 21 13 23-0709 EA 18", Cut And Prepare For Welding Existing In Place Black Steel Pipe ..... <i>For Work In Restricted Working Space, Add</i>	43.90 13.17	
23 21 13 23-0710 EA 20", Cut And Prepare For Welding Existing In Place Black Steel Pipe ..... <i>For Work In Restricted Working Space, Add</i>	46.03 13.81	
23 21 13 23-0711 EA 24", Cut And Prepare For Welding Existing In Place Black Steel Pipe ..... <i>For Work In Restricted Working Space, Add</i>	48.86 14.66	
<b>23 21 13 23-0712 Welded Plain End Electric Resistance Black Steel Pipe</b> <small>(23 21 13 23-0393)</small> Note: ASTM A-135.		
23 21 13 23-0713 LF 2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	15.37 3.66	7.45
23 21 13 23-0714 LF 2-1/2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	17.07 3.66	8.12
23 21 13 23-0715 LF 3" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	17.97 3.59	7.99
23 21 13 23-0716 LF 4" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	22.48 4.57	10.16
23 21 13 23-0717 LF 6" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	36.60 6.76	15.03
23 21 13 23-0718 LF 8.322" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	44.29 7.33	16.26
23 21 13 23-0719 LF 10.365" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	59.90 9.12	20.25
23 21 13 23-0720 LF 12.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	72.70 10.98	24.43
23 21 13 23-0721 LF 14.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	92.83 14.26	31.70
<b>23 21 13 23-0722 Flanged Steel Fittings</b> <small>(23 21 13 23)</small> See CSI section 23 21 13 23-0394 for steel pipe, 23 21 13 23-0525 for welded neck flange ends.		
<b>23 21 13 23-0723 Flanged Steel Fittings, Standard Weight</b> <small>(23 21 13 23-0722)</small> Note: Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		
<b>23 21 13 23-0724 Flanged Steel, 90 Degree Elbows</b> <small>(23 21 13 23-0723)</small>		
23 21 13 23-0725 EA 2" Standard Weight, Flanged Steel, 90 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	549.80 403.34 605.00	30.44
23 21 13 23-0726 EA 2-1/2" Standard Weight, Flanged Steel, 90 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	613.29 449.95 674.93	33.90
23 21 13 23-0727 EA 3" Standard Weight, Flanged Steel, 90 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	603.30 437.79 656.69	37.42
23 21 13 23-0728 EA 4" Standard Weight, Flanged Steel, 90 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	772.05 565.49 848.23	43.48
23 21 13 23-0729 EA 5" Standard Weight, Flanged Steel, 90 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,099.10 820.86 1,231.30	48.69
23 21 13 23-0730 EA 6" Standard Weight, Flanged Steel, 90 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,153.89 855.32 1,282.98	56.52
23 21 13 23-0731 EA 8" Standard Weight, Flanged Steel, 90 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,478.93 1,108.05 1,662.07	62.58
<b>23 21 13 23-0732 Flanged Steel, Reducing 90 Degree Elbows</b> <small>(23 21 13 23-0723)</small>		
23 21 13 23-0733 EA 2-1/2" x 2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,066.72 814.78 1,222.18	32.21
23 21 13 23-0734 EA 3" x 2-1/2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,107.40 843.16 1,264.74	35.66



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0735 EA 4" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow .....	1,385.66	40.42
For Galvanized Fittings, Add	1,060.03	
For Extra Heavy Weight Fittings, Add	1,590.05	
23 21 13 23-0736 EA 5" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow .....	1,726.53	43.03
For Galvanized Fittings, Add	1,329.60	
For Extra Heavy Weight Fittings, Add	1,994.40	
23 21 13 23-0737 EA 6" x 4" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow .....	1,964.98	49.99
For Galvanized Fittings, Add	1,512.01	
For Extra Heavy Weight Fittings, Add	2,268.01	
23 21 13 23-0738 EA 8" x 6" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow .....	2,757.12	59.58
For Galvanized Fittings, Add	2,134.25	
For Extra Heavy Weight Fittings, Add	3,201.37	
<b>23 21 13 23-0739 Flanged Steel, 45 Degree Elbows (23 21 13 23-0723)</b>		
23 21 13 23-0740 EA 2" Standard Weight, Flanged Steel, 45 Degree Elbow .....	732.22	30.44
For Galvanized Fittings, Add	549.27	
For Extra Heavy Weight Fittings, Add	823.91	
23 21 13 23-0741 EA 2-1/2" Standard Weight, Flanged Steel, 45 Degree Elbow .....	760.24	33.90
For Galvanized Fittings, Add	567.51	
For Extra Heavy Weight Fittings, Add	851.27	
23 21 13 23-0742 EA 3" Standard Weight, Flanged Steel, 45 Degree Elbow .....	785.72	37.42
For Galvanized Fittings, Add	583.73	
For Extra Heavy Weight Fittings, Add	875.59	
23 21 13 23-0743 EA 4" Standard Weight, Flanged Steel, 45 Degree Elbow .....	984.86	43.48
For Galvanized Fittings, Add	735.74	
For Extra Heavy Weight Fittings, Add	1,103.60	
23 21 13 23-0744 EA 5" Standard Weight, Flanged Steel, 45 Degree Elbow .....	1,443.66	48.69
For Galvanized Fittings, Add	1,096.51	
For Extra Heavy Weight Fittings, Add	1,644.77	
23 21 13 23-0745 EA 6" Standard Weight, Flanged Steel, 45 Degree Elbow .....	1,392.04	56.52
For Galvanized Fittings, Add	1,045.84	
For Extra Heavy Weight Fittings, Add	1,568.76	
23 21 13 23-0746 EA 8" Standard Weight, Flanged Steel, 45 Degree Elbow .....	1,648.53	62.58
For Galvanized Fittings, Add	1,243.73	
For Extra Heavy Weight Fittings, Add	1,865.59	
<b>23 21 13 23-0747 Flanged Steel, Tees (23 21 13 23-0723)</b>		
23 21 13 23-0748 EA 2" Standard Weight, Flanged Steel, Tee .....	694.23	45.63
For Galvanized Fittings, Add	500.62	
For Extra Heavy Weight Fittings, Add	750.94	
23 21 13 23-0749 EA 2-1/2" Standard Weight, Flanged Steel, Tee .....	909.80	50.85
For Galvanized Fittings, Add	666.82	
For Extra Heavy Weight Fittings, Add	1,000.24	
23 21 13 23-0750 EA 3" Standard Weight, Flanged Steel, Tee .....	813.76	56.06
For Galvanized Fittings, Add	583.74	
For Extra Heavy Weight Fittings, Add	875.60	
23 21 13 23-0751 EA 4" Standard Weight, Flanged Steel, Tee .....	1,187.17	65.25
For Galvanized Fittings, Add	871.51	
For Extra Heavy Weight Fittings, Add	1,307.27	
23 21 13 23-0752 EA 5" Standard Weight, Flanged Steel, Tee .....	1,802.86	73.08
For Galvanized Fittings, Add	1,354.67	
For Extra Heavy Weight Fittings, Add	2,032.01	
23 21 13 23-0753 EA 6" Standard Weight, Flanged Steel, Tee .....	2,207.47	84.81
For Galvanized Fittings, Add	1,664.29	
For Extra Heavy Weight Fittings, Add	2,496.43	
23 21 13 23-0754 EA 8" Standard Weight, Flanged Steel, Tee .....	2,436.91	98.23
For Galvanized Fittings, Add	1,831.67	
For Extra Heavy Weight Fittings, Add	2,747.51	
<b>23 21 13 23-0755 Flanged Steel, Reducing Tees (23 21 13 23-0723)</b>		
23 21 13 23-0756 EA 2-1/2" Standard Weight, Flanged Steel, Reducing Tee .....	1,135.21	49.15
For Galvanized Fittings, Add	849.24	
For Extra Heavy Weight Fittings, Add	1,273.86	
23 21 13 23-0757 EA 3" Standard Weight, Flanged Steel, Reducing Tee .....	1,315.32	54.37
For Galvanized Fittings, Add	987.06	
For Extra Heavy Weight Fittings, Add	1,480.60	
23 21 13 23-0758 EA 4" Standard Weight, Flanged Steel, Reducing Tee .....	2,314.96	62.19
For Galvanized Fittings, Add	1,777.40	
For Extra Heavy Weight Fittings, Add	2,666.10	
23 21 13 23-0759 EA 5" Standard Weight, Flanged Steel, Reducing Tee .....	2,496.96	70.46
For Galvanized Fittings, Add	1,913.08	
For Extra Heavy Weight Fittings, Add	2,869.62	
23 21 13 23-0760 EA 6" Standard Weight, Flanged Steel, Reducing Tee .....	3,151.42	80.90
For Galvanized Fittings, Add	2,424.14	
For Extra Heavy Weight Fittings, Add	3,636.20	
23 21 13 23-0761 EA 8" Standard Weight, Flanged Steel, Reducing Tee .....	3,951.74	90.87
For Galvanized Fittings, Add	3,052.40	
For Extra Heavy Weight Fittings, Add	4,578.60	
<b>23 21 13 23-0762 Flanged Steel, Concentric Reducers (23 21 13 23-0723)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0763 EA 3" x 2-1/2" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,092.20 831.00 1,246.50	35.66
23 21 13 23-0764 EA 4" x 3" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,241.25 944.50 1,416.76	40.42
23 21 13 23-0765 EA 5" x 4" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,865.37 1,437.02 2,155.52	46.09
23 21 13 23-0766 EA 6" x 4" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,058.73 1,587.01 2,380.51	49.99
23 21 13 23-0767 EA 8" x 6" Standard Weight, Flanged Steel, Concentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,410.02 1,856.57 2,784.85	59.58
<b>23 21 13 23-0768 Flanged Steel, Eccentric Reducers</b> <small>(23 21 13 23-0723)</small>		
23 21 13 23-0769 EA 4" x 3" Standard Weight, Flanged Steel, Eccentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,456.60 1,116.78 1,675.18	40.42
23 21 13 23-0770 EA 5" x 4" Standard Weight, Flanged Steel, Eccentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,002.19 1,546.47 2,319.71	46.09
<b>23 21 13 23-0771 Plain End Couplings And Fittings</b> <small>(23 21 13 23)</small>		
Note: For use on standard weight steel pipe (Schedule 40), but may be used on lightwall steel or other metallic pipe such as aluminum or stainless steel.		
<b>23 21 13 23-0772 Plain End Piping System Couplings</b> <small>(23 21 13 23-0771)</small>		
<b>23 21 13 23-0773 Plainlock Plain End Piping System Couplings</b> <small>(23 21 13 23-0772)</small>		
Note: Ductile iron body with gasket, bolts and nuts.		
23 21 13 23-0774 EA 1" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	144.21 27.67	3.91
23 21 13 23-0775 EA 1-1/2" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	146.49 27.67	5.41
23 21 13 23-0776 EA 2" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	149.13 27.67	7.17
23 21 13 23-0777 EA 2-1/2" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	151.38 27.67	8.67
23 21 13 23-0778 EA 3" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	178.91 32.65	10.43
23 21 13 23-0779 EA 4" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	247.07 45.24	13.89
23 21 13 23-0780 EA 6" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	415.86 76.39	22.62
<b>23 21 13 23-0781 Roust-A-Bout Plain End Piping System Couplings</b> <small>(23 21 13 23-0772)</small>		
Note: Ductile iron body with gasket, bolts and nuts.		
23 21 13 23-0782 EA 1-1/2" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	173.36 41.30	5.41
23 21 13 23-0783 EA 2" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	176.00 41.30	7.17
23 21 13 23-0784 EA 2-1/2" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	178.26 41.30	8.73
23 21 13 23-0785 EA 3" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	260.36 61.18	10.43
23 21 13 23-0786 EA 3-1/2" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	301.48 70.80	12.19
23 21 13 23-0787 EA 4" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	304.06 70.80	13.89
23 21 13 23-0788 EA 5" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	430.70 101.15	17.40
23 21 13 23-0789 EA 6" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	528.07 123.54	22.62
23 21 13 23-0790 EA 8" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	916.72 219.07	26.98
23 21 13 23-0791 EA 10" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	1,187.92 285.00	31.94
23 21 13 23-0792 EA 12" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	1,487.17 357.61	37.81
23 21 13 23-0793 EA 14" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	2,093.93 507.81	41.79
23 21 13 23-0794 EA 16" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	2,852.49 695.41	47.26
<b>23 21 13 23-0795 Plain End Piping System Fittings</b> <small>(23 21 13 23-0771)</small>		
Note: Cast ductile iron bodies.		
<b>23 21 13 23-0796 Plain End Piping System, 90 Degree Elbows</b> <small>(23 21 13 23-0795)</small>		

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0797	EA	1" Plain End Piping System, 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	141.24 26.12	7.11
23 21	13 23-0798	EA	1-1/2" Plain End Piping System, 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	146.72 26.12	10.76
23 21	13 23-0799	EA	2" Plain End Piping System, 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	151.90 26.12	14.21
23 21	13 23-0800	EA	2-1/2" Plain End Piping System, 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	156.55 26.12	17.34
23 21	13 23-0801	EA	3" Plain End Piping System, 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	188.31 31.37	20.99
23 21	13 23-0802	EA	4" Plain End Piping System, 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	270.21 45.75	27.64
23 21	13 23-0803	EA	5" Plain End Piping System, 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	843.68 158.36	34.62
23 21	13 23-0804	EA	6" Plain End Piping System, 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	697.50 125.92	45.31
23 21	13 23-0805	EA	8" Plain End Piping System, 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,410.44 265.95	53.78
23 21	13 23-0806	EA	10" Plain End Piping System, 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,765.50 334.26	62.84
23 21	13 23-0807	EA	12" Plain End Piping System, 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,241.13 425.59	75.49
<b>23 21</b>	<b>13 23-0808</b>		<b>Plain End Piping System, 45 Degree Elbows (23 21 13 23-0795)</b>		
23 21	13 23-0809	EA	1" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	141.24 26.12	7.11
23 21	13 23-0810	EA	1-1/2" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	146.72 26.12	10.76
23 21	13 23-0811	EA	2" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	151.90 26.12	14.21
23 21	13 23-0812	EA	2-1/2" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	156.55 26.12	17.34
23 21	13 23-0813	EA	3" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	188.31 31.37	20.99
23 21	13 23-0814	EA	4" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	270.21 45.75	27.64
23 21	13 23-0815	EA	5" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	843.68 158.36	34.62
23 21	13 23-0816	EA	6" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	699.92 126.40	45.31
23 21	13 23-0817	EA	8" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	811.34 146.13	53.78
23 21	13 23-0818	EA	10" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,113.88 203.94	62.84
23 21	13 23-0819	EA	12" Plain End Piping System, 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,430.47 263.46	75.49
<b>23 21</b>	<b>13 23-0820</b>		<b>Plain End Piping System, Tees (23 21 13 23-0795)</b>		
23 21	13 23-0821	EA	1" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	191.99 35.17	10.76
23 21	13 23-0822	EA	1-1/2" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	200.07 35.17	16.16
23 21	13 23-0823	EA	2" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	207.20 35.17	20.92
23 21	13 23-0824	EA	2-1/2" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	214.30 35.17	25.62
23 21	13 23-0825	EA	3" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	300.31 50.61	31.48
23 21	13 23-0826	EA	4" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	413.00 70.39	40.74
23 21	13 23-0827	EA	5" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	853.03 154.63	53.26
23 21	13 23-0828	EA	6" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	1,054.18 190.84	66.68
23 21	13 23-0829	EA	8" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	1,443.75 264.43	81.09
23 21	13 23-0830	EA	10" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	2,160.73 403.80	94.52
23 21	13 23-0831	EA	12" Plain End Piping System, Tee <i>For Galvanized Fittings, Add</i>	2,901.04 546.26	113.23
<b>23 21</b>	<b>13 23-0832</b>		<b>Plain End Piping System, Reducing Tees (23 21 13 23-0795)</b>		
23 21	13 23-0833	EA	1-1/2" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	373.58 69.52	17.34
23 21	13 23-0834	EA	2" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	378.94 69.52	20.92
23 21	13 23-0835	EA	2-1/2" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	386.04 69.52	25.62
23 21	13 23-0836	EA	3" Plain End Piping System, Reducing Tee <i>For Galvanized Fittings, Add</i>	394.84 69.52	31.48



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0837 EA 4" Plain End Piping System, Reducing Tee ..... <i>For Galvanized Fittings, Add</i>	574.21 102.63	40.74
23 21 13 23-0838 EA 6" Plain End Piping System, Reducing Tee ..... <i>For Galvanized Fittings, Add</i>	971.40 174.28	66.68
23 21 13 23-0839 EA 8" Plain End Piping System, Reducing Tee ..... <i>For Galvanized Fittings, Add</i>	1,269.23 229.52	81.09
23 21 13 23-0840 EA 10" Plain End Piping System, Reducing Tee ..... <i>For Galvanized Fittings, Add</i>	1,910.93 353.84	94.52
23 21 13 23-0841 EA 12" Plain End Piping System, Reducing Tee ..... <i>For Galvanized Fittings, Add</i>	2,829.56 531.96	113.23
<b>23 21 13 23-0842 Plain End Piping System, Wyes</b> <small>(23 21 13 23-0795)</small>		
23 21 13 23-0843 EA 2" Plain End Piping System, Wye ..... <i>For Galvanized Fittings, Add</i>	546.44 103.02	20.92
23 21 13 23-0844 EA 2-1/2" Plain End Piping System, Wye ..... <i>For Galvanized Fittings, Add</i>	553.54 103.02	25.62
23 21 13 23-0845 EA 3" Plain End Piping System, Wye ..... <i>For Galvanized Fittings, Add</i>	626.25 115.80	31.48
23 21 13 23-0846 EA 4" Plain End Piping System, Wye ..... <i>For Galvanized Fittings, Add</i>	920.47 171.89	40.74
23 21 13 23-0847 EA 5" Plain End Piping System, Wye ..... <i>For Galvanized Fittings, Add</i>	1,125.71 209.16	53.26
23 21 13 23-0848 EA 6" Plain End Piping System, Wye ..... <i>For Galvanized Fittings, Add</i>	1,540.12 288.03	66.68
23 21 13 23-0849 EA 8" Plain End Piping System, Wye ..... <i>For Galvanized Fittings, Add</i>	1,986.69 373.01	81.09
23 21 13 23-0850 EA 10" Plain End Piping System, Wye ..... <i>For Galvanized Fittings, Add</i>	2,892.00 550.06	94.52
23 21 13 23-0851 EA 12" Plain End Piping System, Wye ..... <i>For Galvanized Fittings, Add</i>	4,409.56 847.96	113.23
<b>23 21 13 23-0852 Plain End Piping System, Laterals</b> <small>(23 21 13 23-0795)</small>		
23 21 13 23-0853 EA 2" Plain End Piping System, Lateral ..... <i>For Galvanized Fittings, Add</i>	582.87 110.31	20.92
23 21 13 23-0854 EA 2-1/2" Plain End Piping System, Lateral ..... <i>For Galvanized Fittings, Add</i>	589.97 110.31	25.62
23 21 13 23-0855 EA 3" Plain End Piping System, Lateral ..... <i>For Galvanized Fittings, Add</i>	662.44 123.04	31.48
23 21 13 23-0856 EA 4" Plain End Piping System, Lateral ..... <i>For Galvanized Fittings, Add</i>	989.58 185.71	40.74
23 21 13 23-0857 EA 5" Plain End Piping System, Lateral ..... <i>For Galvanized Fittings, Add</i>	1,290.31 242.08	53.26
23 21 13 23-0858 EA 6" Plain End Piping System, Lateral ..... <i>For Galvanized Fittings, Add</i>	1,646.02 309.21	66.68
23 21 13 23-0859 EA 8" Plain End Piping System, Lateral ..... <i>For Galvanized Fittings, Add</i>	2,375.68 450.81	81.09
23 21 13 23-0860 EA 10" Plain End Piping System, Lateral ..... <i>For Galvanized Fittings, Add</i>	3,323.59 636.38	94.52
23 21 13 23-0861 EA 12" Plain End Piping System, Lateral ..... <i>For Galvanized Fittings, Add</i>	4,473.71 860.79	113.23
<b>23 21 13 23-0862 Plain End Piping System, Crosses</b> <small>(23 21 13 23-0795)</small>		
23 21 13 23-0863 EA 2" Plain End Piping System, Cross ..... <i>For Galvanized Fittings, Add</i>	645.83 74.86	31.36
23 21 13 23-0864 EA 2-1/2" Plain End Piping System, Cross ..... <i>For Galvanized Fittings, Add</i>	656.45 74.86	38.40
23 21 13 23-0865 EA 3" Plain End Piping System, Cross ..... <i>For Galvanized Fittings, Add</i>	765.45 86.82	47.26
23 21 13 23-0866 EA 4" Plain End Piping System, Cross ..... <i>For Galvanized Fittings, Add</i>	1,045.76 119.28	61.08
23 21 13 23-0867 EA 5" Plain End Piping System, Cross ..... <i>For Galvanized Fittings, Add</i>	1,475.12 169.41	79.92
23 21 13 23-0868 EA 6" Plain End Piping System, Cross ..... <i>For Galvanized Fittings, Add</i>	1,939.06 223.69	99.74
23 21 13 23-0869 EA 8" Plain End Piping System, Cross ..... <i>For Galvanized Fittings, Add</i>	2,476.90 286.98	120.79
23 21 13 23-0870 EA 10" Plain End Piping System, Cross ..... <i>For Galvanized Fittings, Add</i>	3,561.40 418.72	141.20
23 21 13 23-0871 EA 12" Plain End Piping System, Cross ..... <i>For Galvanized Fittings, Add</i>	5,084.71 603.76	169.88
<b>23 21 13 23-0872 Plain End Piping System, Adapter Nipples</b> <small>(23 21 13 23-0795)</small>		
Note: Plain to threaded, plain to beveled or plain to grooved.		
23 21 13 23-0873 EA 1" Plain End Piping System, Adapter Nipple ..... <i>For Galvanized Fittings, Add</i>	22.35 4.12	3.91
23 21 13 23-0874 EA 1-1/2" Plain End Piping System, Adapter Nipple ..... <i>For Galvanized Fittings, Add</i>	25.08 4.23	5.41
23 21 13 23-0875 EA 2" Plain End Piping System, Adapter Nipple ..... <i>For Galvanized Fittings, Add</i>	27.65 4.23	7.17

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0876	EA	2-1/2" Plain End Piping System, Adapter Nipple..... <i>For Galvanized Fittings, Add</i>	32.88 4.96	8.67
23 21	13 23-0877	EA	3" Plain End Piping System, Adapter Nipple..... <i>For Galvanized Fittings, Add</i>	40.17 6.13	10.43
23 21	13 23-0878	EA	4" Plain End Piping System, Adapter Nipple..... <i>For Galvanized Fittings, Add</i>	61.86 10.25	13.89
23 21	13 23-0879	EA	6" Plain End Piping System, Adapter Nipple..... <i>For Galvanized Fittings, Add</i>	136.95 27.72	17.40
<b>23 21</b>	<b>13 23-0880</b>		<b>Plain End Piping System, Reducing (Swaged) Nipples <small>(23 21 13 23-0795)</small></b>		
23 21	13 23-0881	EA	1-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	69.41 13.85	9.32
23 21	13 23-0882	EA	2" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	72.02 13.85	11.08
23 21	13 23-0883	EA	2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	74.65 13.85	12.85
23 21	13 23-0884	EA	2-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	74.01 13.85	12.45
23 21	13 23-0885	EA	2-1/2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	76.59 13.85	14.15
23 21	13 23-0886	EA	2-1/2" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	79.18 13.85	15.84
23 21	13 23-0887	EA	3" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	88.93 16.87	14.34
23 21	13 23-0888	EA	3" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	91.25 16.87	15.84
23 21	13 23-0889	EA	3" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	78.29 12.97	17.60
23 21	13 23-0890	EA	3" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	83.34 12.97	20.99
23 21	13 23-0891	EA	3-1/2" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	95.92 15.51	22.62
23 21	13 23-0892	EA	4" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	121.58 23.72	17.80
23 21	13 23-0893	EA	4" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	123.86 23.72	19.36
23 21	13 23-0894	EA	4" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	103.47 17.96	21.13
23 21	13 23-0895	EA	4" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	105.71 17.96	22.62
23 21	13 23-0896	EA	4" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	108.37 17.96	24.38
23 21	13 23-0897	EA	4" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	110.91 17.96	26.08
23 21	13 23-0898	EA	5" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	301.04 66.04	24.57
23 21	13 23-0899	EA	5" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	245.57 50.97	27.77
23 21	13 23-0900	EA	5" x 4" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	214.75 41.95	31.36
23 21	13 23-0901	EA	6" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	543.08 125.83	26.53
23 21	13 23-0902	EA	6" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	545.33 125.83	28.03
23 21	13 23-0903	EA	6" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	416.93 93.07	29.79
23 21	13 23-0904	EA	6" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	419.25 93.07	31.36
23 21	13 23-0905	EA	6" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	290.80 60.32	33.05
23 21	13 23-0906	EA	6" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	293.17 60.32	34.62
23 21	13 23-0907	EA	6" x 4" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	237.66 45.75	36.50
23 21	13 23-0908	EA	6" x 5" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	269.72 52.45	39.96
23 21	13 23-0909	EA	8" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	346.97 72.74	37.35
23 21	13 23-0910	EA	8" x 4" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	352.24 72.74	40.87
23 21	13 23-0911	EA	8" x 5" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	397.53 82.75	44.40
23 21	13 23-0912	EA	8" x 6" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	445.46 92.76	49.61
<b>23 21</b>	<b>13 23-0913</b>		<b>Plain End Piping System, Bull Plugs <small>(23 21 13 23-0795)</small></b>		
23 21	13 23-0914	EA	1" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	289.81 85.18	3.91
23 21	13 23-0915	EA	1-1/2" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	292.09 85.18	5.41
23 21	13 23-0916	EA	2" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	294.66 85.18	7.17



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0917 EA 2-1/2" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	296.98 85.18	8.67
23 21 13 23-0918 EA 3" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	431.86 124.87	10.43
23 21 13 23-0919 EA 4" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	558.47 161.29	13.89
23 21 13 23-0920 EA 5" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	976.16 285.03	17.40
23 21 13 23-0921 EA 6" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	1,301.07 380.15	22.62
23 21 13 23-0922 EA 8" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	2,422.77 714.71	26.92
23 21 13 23-0923 EA 10" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	4,372.00 1,297.43	31.48
23 21 13 23-0924 EA 12" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	6,707.42 1,995.22	37.81
<b>23 21 13 23-0925 Carbon Steel Piping Systems (23 21 13 23)</b>		
<b>23 21 13 23-0926 Class 3,000 LB Carbon Steel Socket Weld Fittings (23 21 13 23-0925)</b>		
Note: ASTM A105		
<b>23 21 13 23-0927 90 Degree Elbows, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0926)</b>		
23 21 13 23-0928 EA 1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	25.79	12.91
23 21 13 23-0929 EA 3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	29.02	14.41
23 21 13 23-0930 EA 1" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	37.79	16.10
23 21 13 23-0931 EA 1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	52.80	18.25
23 21 13 23-0932 EA 1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	60.45	20.53
23 21 13 23-0933 EA 2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	82.66	26.14
23 21 13 23-0934 EA 2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	168.32	38.66
23 21 13 23-0935 EA 3" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	241.00	50.85
23 21 13 23-0936 EA 4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	424.81	49.99
<b>23 21 13 23-0937 45 Degree Elbows, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0926)</b>		
23 21 13 23-0938 EA 1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	28.65	12.91
23 21 13 23-0939 EA 3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	33.34	14.41
23 21 13 23-0940 EA 1" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	39.12	16.10
23 21 13 23-0941 EA 1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	54.48	18.25
23 21 13 23-0942 EA 1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	64.48	20.53
23 21 13 23-0943 EA 2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	82.57	26.14
23 21 13 23-0944 EA 2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	192.98	38.66
23 21 13 23-0945 EA 3" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	261.87	50.85
23 21 13 23-0946 EA 4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	415.78	49.99
<b>23 21 13 23-0947 Straight Tees, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0926)</b>		
23 21 13 23-0948 EA 1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	31.50	16.10
23 21 13 23-0949 EA 3/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	38.49	18.57
23 21 13 23-0950 EA 1" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	51.73	21.97
23 21 13 23-0951 EA 1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	69.83	26.14
23 21 13 23-0952 EA 1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	84.77	31.16
23 21 13 23-0953 EA 2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	113.15	38.66
23 21 13 23-0954 EA 2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	209.16	50.85
23 21 13 23-0955 EA 3" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	290.13	60.36
23 21 13 23-0956 EA 4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	563.55	63.12
<b>23 21 13 23-0957 Reducing Tees, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0926)</b>		
23 21 13 23-0958 EA 1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	32.29	16.10
23 21 13 23-0959 EA 3/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	39.30	18.57
23 21 13 23-0960 EA 1" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	52.70	21.97
23 21 13 23-0961 EA 1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	72.12	26.14
23 21 13 23-0962 EA 1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	87.45	31.16
23 21 13 23-0963 EA 2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	117.28	38.66
23 21 13 23-0964 EA 2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	218.97	50.85
23 21 13 23-0965 EA 3" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	304.24	60.36
23 21 13 23-0966 EA 4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	513.32	63.12
<b>23 21 13 23-0967 Straight Couplings, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-0926)</b>		
23 21 13 23-0968 EA 1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	22.27	12.91
23 21 13 23-0969 EA 3/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	25.13	14.41
23 21 13 23-0970 EA 1" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	29.52	16.10
23 21 13 23-0971 EA 1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	34.12	18.25
23 21 13 23-0972 EA 1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	39.94	20.53
23 21 13 23-0973 EA 2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	52.47	26.14
23 21 13 23-0974 EA 2-1/2" Coupling, Straight, Carbon Steel, Socket, Weld, 3,000 LB.....	91.44	38.66
23 21 13 23-0975 EA 3" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	122.44	50.85
23 21 13 23-0976 EA 4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	167.08	49.99

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0977			<b>Reducing Couplings, 3,000 LB Carbon Steel Socket Weld</b> (23 21 13 23-0926)		
23 21 13 23-0978	EA		1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	23.86	12.91
23 21 13 23-0979	EA		3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	26.87	14.41
23 21 13 23-0980	EA		1" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	32.31	16.10
23 21 13 23-0981	EA		1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	37.50	18.25
23 21 13 23-0982	EA		1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	44.96	20.53
23 21 13 23-0983	EA		2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	57.83	26.14
23 21 13 23-0984	EA		2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	103.24	38.66
23 21 13 23-0985	EA		3" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	146.17	50.85
23 21 13 23-0986	EA		4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	216.42	49.99
23 21 13 23-0987			<b>Caps, 3,000 LB Carbon Steel Socket Weld</b> (23 21 13 23-0926)		
23 21 13 23-0988	EA		1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	13.74	6.06
23 21 13 23-0989	EA		3/4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	15.79	6.45
23 21 13 23-0990	EA		1" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	18.56	7.43
23 21 13 23-0991	EA		1-1/4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	21.75	8.09
23 21 13 23-0992	EA		1-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	25.30	8.09
23 21 13 23-0993	EA		2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	32.84	10.37
23 21 13 23-0994	EA		2-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	59.97	12.91
23 21 13 23-0995	EA		3" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	87.41	15.58
23 21 13 23-0996	EA		4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	125.56	17.11
23 21 13 23-0997			<b>Black Cast Iron Square Head Plug</b> (23 21 13 23-0926)		
23 21 13 23-0998	EA		1/2" Square Head Plug, Black, Cast Iron.....	8.70	5.15
23 21 13 23-0999	EA		3/4" Square Head Plug, Black, Cast Iron.....	10.21	5.15
23 21 13 23-1000	EA		1" Square Head Plug, Black, Cast Iron.....	14.51	7.82
23 21 13 23-1001	EA		1-1/4" Square Head Plug, Black, Cast Iron.....	14.81	7.82
23 21 13 23-1002	EA		1-1/2" Square Head Plug, Black, Cast Iron.....	16.07	7.82
23 21 13 23-1003	EA		2" Square Head Plug, Black, Cast Iron.....	21.26	10.37
23 21 13 23-1004	EA		2-1/2" Square Head Plug, Black, Cast Iron.....	27.55	12.91
23 21 13 23-1005	EA		3" Square Head Plug, Black, Cast Iron.....	36.58	15.58
23 21 13 23-1006	EA		4" Square Head Plug, Black, Cast Iron.....	41.21	17.11
23 21 13 23-1007			<b>Unions, 3,000 LB Carbon Steel Socket Weld</b> (23 21 13 23-0926)		
23 21 13 23-1008	EA		1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	40.73	16.10
23 21 13 23-1009	EA		3/4" Union, Carbon Steel, Socket Weld, 3,000 LB.....	44.88	18.57
23 21 13 23-1010	EA		1" Union, Carbon Steel, Socket Weld, 3,000 LB.....	57.80	21.97
23 21 13 23-1011	EA		1-1/4" Union, Carbon Steel, Socket Weld, 3,000 LB.....	73.49	26.14
23 21 13 23-1012	EA		1-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	88.63	31.16
23 21 13 23-1013	EA		2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	110.90	38.66
23 21 13 23-1014	EA		2-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	198.58	41.98
23 21 13 23-1015	EA		3" Union, Carbon Steel, Socket Weld, 3,000 LB.....	268.44	50.85
23 21 13 23-1016			<b>Class 6,000 LB Carbon Steel Socket Weld Fittings</b> (23 21 13 23-0925)		
			Note: ASTM A105		
23 21 13 23-1017			<b>90 Degree Elbow, 6,000 LB Carbon Steel Socket Weld</b> (23 21 13 23-1016)		
23 21 13 23-1018	EA		1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	29.23	12.91
23 21 13 23-1019	EA		3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	32.96	14.41
23 21 13 23-1020	EA		1" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	45.05	16.10
23 21 13 23-1021	EA		1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	66.32	18.25
23 21 13 23-1022	EA		1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	76.18	20.53
23 21 13 23-1023	EA		2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	105.76	26.14
23 21 13 23-1024	EA		2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	226.94	38.66
23 21 13 23-1025	EA		3" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	328.51	50.85
23 21 13 23-1026	EA		4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	610.63	49.99
23 21 13 23-1027			<b>45 Degree Elbow, 6,000 LB Carbon Steel Socket Weld</b> (23 21 13 23-1016)		
23 21 13 23-1028	EA		1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	33.93	12.91
23 21 13 23-1029	EA		3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	39.98	14.41
23 21 13 23-1030	EA		1" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	47.60	16.10
23 21 13 23-1031	EA		1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	69.84	18.25
23 21 13 23-1032	EA		1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	83.53	20.53
23 21 13 23-1033	EA		2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	107.16	26.14
23 21 13 23-1034	EA		2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	269.44	38.66
23 21 13 23-1035	EA		3" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	366.97	50.85
23 21 13 23-1036	EA		4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	608.77	49.99
23 21 13 23-1037			<b>Straight Tees, 6,000 LB Carbon Steel Socket Weld</b> (23 21 13 23-1016)		
23 21 13 23-1038	EA		1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	38.32	16.10
23 21 13 23-1039	EA		3/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	48.34	18.57
23 21 13 23-1040	EA		1" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	69.16	21.97



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-	1041	EA	1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	98.24	26.14
23 21	13 23-	1042	EA	1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	119.99	31.16
23 21	13 23-	1043	EA	2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	164.29	38.66
23 21	13 23-	1044	EA	2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	332.28	50.85
23 21	13 23-	1045	EA	3" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	474.99	60.36
23 21	13 23-	1046	EA	4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	997.85	63.12
<b>23 21 13 23-1047 Reducing Tees, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1016)</b>						
23 21	13 23-	1048	EA	1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	32.29	16.10
23 21	13 23-	1049	EA	3/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	39.30	18.57
23 21	13 23-	1050	EA	1" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	52.70	21.97
23 21	13 23-	1051	EA	1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	72.12	26.14
23 21	13 23-	1052	EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	87.45	31.16
23 21	13 23-	1053	EA	2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	117.28	38.66
23 21	13 23-	1054	EA	2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	218.97	50.85
23 21	13 23-	1055	EA	3" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	304.24	60.36
23 21	13 23-	1056	EA	4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	513.32	63.12
<b>23 21 13 23-1057 Straight Couplings, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1016)</b>						
23 21	13 23-	1058	EA	1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	23.70	12.91
23 21	13 23-	1059	EA	3/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	26.82	14.41
23 21	13 23-	1060	EA	1" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	32.11	16.10
23 21	13 23-	1061	EA	1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	37.39	18.25
23 21	13 23-	1062	EA	1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	44.35	20.53
23 21	13 23-	1063	EA	2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	58.91	26.14
23 21	13 23-	1064	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	107.64	38.66
23 21	13 23-	1065	EA	3" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	144.78	50.85
23 21	13 23-	1066	EA	4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	211.65	49.99
<b>23 21 13 23-1067 Reducing Couplings, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1016)</b>						
23 21	13 23-	1068	EA	1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	26.05	12.91
23 21	13 23-	1069	EA	3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	29.40	14.41
23 21	13 23-	1070	EA	1" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	36.24	16.10
23 21	13 23-	1071	EA	1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	42.37	18.25
23 21	13 23-	1072	EA	1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	51.74	20.53
23 21	13 23-	1073	EA	2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	66.80	26.14
23 21	13 23-	1074	EA	2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	124.98	38.66
23 21	13 23-	1075	EA	3" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	179.74	50.85
23 21	13 23-	1076	EA	4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	284.34	49.99
<b>23 21 13 23-1077 Caps, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1016)</b>						
23 21	13 23-	1078	EA	1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	16.88	6.06
23 21	13 23-	1079	EA	3/4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	19.90	6.45
23 21	13 23-	1080	EA	1" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	23.54	7.43
23 21	13 23-	1081	EA	1-1/4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	28.25	8.09
23 21	13 23-	1082	EA	1-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	34.18	8.09
23 21	13 23-	1083	EA	2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	44.43	10.37
23 21	13 23-	1084	EA	2-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	87.25	12.91
23 21	13 23-	1085	EA	3" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	130.40	15.58
23 21	13 23-	1086	EA	4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	192.59	17.11
<b>23 21 13 23-1087 Black Cast Iron Square Head Plug (23 21 13 23-1016)</b>						
23 21	13 23-	1088	EA	1/2" Square Head Plug, Black Cast Iron.....	8.70	5.15
23 21	13 23-	1089	EA	3/4" Square Head Plug, Black Cast Iron.....	10.23	5.15
23 21	13 23-	1090	EA	1" Square Head Plug, Black Cast Iron.....	14.52	7.82
23 21	13 23-	1091	EA	1-1/4" Square Head Plug, Black Cast Iron.....	14.83	7.82
23 21	13 23-	1092	EA	1-1/2" Square Head Plug, Black Cast Iron.....	16.09	7.82
23 21	13 23-	1093	EA	2" Square Head Plug, Black Cast Iron.....	21.29	10.37
23 21	13 23-	1094	EA	2-1/2" Square Head Plug, Black Cast Iron.....	27.59	12.91
23 21	13 23-	1095	EA	3" Square Head Plug, Black Cast Iron.....	36.65	15.58
23 21	13 23-	1096	EA	4" Square Head Plug, Black Cast Iron.....	41.29	17.11
<b>23 21 13 23-1097 Unions, 6,000 LB Carbon Steel Socket Weld (23 21 13 23-1016)</b>						
23 21	13 23-	1098	EA	1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	50.87	16.10
23 21	13 23-	1099	EA	3/4" Union, Carbon Steel, Socket Weld, 6,000 LB.....	55.29	18.57
23 21	13 23-	1100	EA	1" Union, Carbon Steel, Socket Weld, 6,000 LB.....	73.01	21.97
23 21	13 23-	1101	EA	1-1/4" Union, Carbon Steel, Socket Weld, 6,000 LB.....	94.48	26.14
23 21	13 23-	1102	EA	1-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	114.26	31.16
23 21	13 23-	1103	EA	2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	143.28	38.66
23 21	13 23-	1104	EA	2-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	281.50	41.98
23 21	13 23-	1105	EA	3" Union, Carbon Steel, Socket Weld, 6,000 LB.....	385.96	50.85



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 21 13 23-1106 Carbon Steel Piping System</b> <small>(23 21 13 23-0925)</small>		
Note: ASTM A106 Excludes hangers or fittings. Demolition Note applies to all pipe demolition.		
<b>23 21 13 23-1107 Schedule 40 Carbon Steel Piping</b> <small>(23 21 13 23-1106)</small>		
Note: ASTM A106 Excludes hangers, elbow, tee, or reducer fittings.		
23 21 13 23-1108 LF 1/4" ASTM A106 Carbon Steel Pipe, Schedule 40 .....	5.52	2.41
For Schedule 80, Add .....	0.68	
23 21 13 23-1109 LF 1/2" ASTM A106 Carbon Steel Pipe, Schedule 40 .....	5.69	2.61
For Schedule 80, Add .....	0.63	
For Schedule 160, Add .....	2.61	
23 21 13 23-1110 LF 3/4" ASTM A106 Carbon Steel Pipe, Schedule 40 .....	6.33	2.80
For Schedule 80, Add .....	0.77	
For Schedule 160, Add .....	3.20	
23 21 13 23-1111 LF 1" ASTM A106 Carbon Steel Pipe, Schedule 40 .....	6.76	3.07
For Schedule 80, Add .....	0.79	
For Schedule 160, Add .....	3.30	
23 21 13 23-1112 LF 1-1/2" ASTM A106 Carbon Steel Pipe, Schedule 40 .....	8.91	3.78
For Schedule 80, Add .....	1.17	
For Schedule 160, Add .....	4.86	
23 21 13 23-1113 LF 2" ASTM A106 Carbon Steel Pipe, Schedule 40 .....	11.12	4.57
For Schedule 80, Add .....	1.53	
For Schedule 160, Add .....	6.39	
<b>23 21 13 23-1114 90 Degree Elbows, Screwed Carbon Steel</b> <small>(23 21 13 23-1106)</small>		
23 21 13 23-1115 EA 1/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel .....	18.95	9.91
23 21 13 23-1116 EA 1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel .....	22.99	11.61
23 21 13 23-1117 EA 3/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel .....	25.68	12.97
23 21 13 23-1118 EA 1" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel .....	29.57	14.47
23 21 13 23-1119 EA 1-1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel .....	47.99	18.51
23 21 13 23-1120 EA 2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel .....	60.79	23.54
23 21 13 23-1121 EA 1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	20.25	9.91
23 21 13 23-1122 EA 1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	23.48	11.61
23 21 13 23-1123 EA 3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	27.29	12.97
23 21 13 23-1124 EA 1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	33.07	14.47
23 21 13 23-1125 EA 1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	56.35	18.51
23 21 13 23-1126 EA 2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	70.03	23.54
23 21 13 23-1127 EA 1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel .....	28.03	11.61
23 21 13 23-1128 EA 3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel .....	33.02	12.97
23 21 13 23-1129 EA 1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel .....	39.10	14.47
23 21 13 23-1130 EA 1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel .....	73.27	18.51
23 21 13 23-1131 EA 2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel .....	114.90	23.54
<b>23 21 13 23-1132 45 Degree Elbows, Screwed Carbon Steel</b> <small>(23 21 13 23-1106)</small>		
23 21 13 23-1133 EA 1/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel .....	21.65	9.91
23 21 13 23-1134 EA 1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel .....	24.04	11.61
23 21 13 23-1135 EA 3/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel .....	27.04	12.97
23 21 13 23-1136 EA 1" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel .....	30.60	14.47
23 21 13 23-1137 EA 1-1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel .....	44.65	18.51
23 21 13 23-1138 EA 2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel .....	65.94	23.54
23 21 13 23-1139 EA 1/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	21.86	9.91
23 21 13 23-1140 EA 1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	25.23	11.61
23 21 13 23-1141 EA 3/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	28.42	12.97
23 21 13 23-1142 EA 1" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	34.18	14.47
23 21 13 23-1143 EA 1-1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	55.06	18.51
23 21 13 23-1144 EA 2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	72.91	23.54
23 21 13 23-1145 EA 1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel .....	31.17	11.61
23 21 13 23-1146 EA 3/4" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel .....	38.70	12.97
23 21 13 23-1147 EA 1" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel .....	41.23	14.47
23 21 13 23-1148 EA 1-1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel .....	85.34	18.51
23 21 13 23-1149 EA 2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel .....	115.70	23.54
<b>23 21 13 23-1150 Straight Tees, Screwed Carbon Steel</b> <small>(23 21 13 23-1106)</small>		
23 21 13 23-1151 EA 1/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel .....	25.31	13.75
23 21 13 23-1152 EA 1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel .....	28.99	14.47
23 21 13 23-1153 EA 3/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel .....	34.98	16.75
23 21 13 23-1154 EA 1" Tee, Straight, 2,000 LB, Screwed Carbon Steel .....	43.19	19.75
23 21 13 23-1155 EA 1-1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel .....	70.55	28.03
23 21 13 23-1156 EA 2" Tee, Straight, 2,000 LB, Screwed Carbon Steel .....	87.47	34.81
23 21 13 23-1157 EA 1/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel .....	26.43	13.75
23 21 13 23-1158 EA 1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel .....	29.72	14.47
23 21 13 23-1159 EA 3/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel .....	37.40	16.75
23 21 13 23-1160 EA 1" Tee, Straight, 3,000 LB, Screwed Carbon Steel .....	45.26	19.75
23 21 13 23-1161 EA 1-1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel .....	77.73	28.03
23 21 13 23-1162 EA 2" Tee, Straight, 3,000 LB, Screwed Carbon Steel .....	99.34	34.81
23 21 13 23-1163 EA 1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel .....	35.18	14.47
23 21 13 23-1164 EA 3/4" Tee, Straight, 6,000 LB, Screwed Carbon Steel .....	43.27	16.75
23 21 13 23-1165 EA 1" Tee, Straight, 6,000 LB, Screwed Carbon Steel .....	59.76	19.75
23 21 13 23-1166 EA 1-1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel .....	94.21	28.03



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1167 EA 2" Tee, Straight, 6,000 LB, Screwed Carbon Steel.....	151.88	34.81
<b>23 21 13 23-1168 Crosses, Screwed Carbon Steel</b> <small>(23 21 13 23-1106)</small>		
23 21 13 23-1169 EA 1/4" Cross, 2,000 LB, Screwed Carbon Steel.....	38.77	17.40
23 21 13 23-1170 EA 1/2" Cross, 2,000 LB, Screwed Carbon Steel.....	46.17	19.55
23 21 13 23-1171 EA 3/4" Cross, 2,000 LB, Screwed Carbon Steel.....	49.70	20.86
23 21 13 23-1172 EA 1" Cross, 2,000 LB, Screwed Carbon Steel.....	61.71	25.16
23 21 13 23-1173 EA 1-1/2" Cross, 2,000 LB, Screwed Carbon Steel.....	110.54	35.20
23 21 13 23-1174 EA 2" Cross, 2,000 LB, Screwed Carbon Steel.....	143.44	43.48
23 21 13 23-1175 EA 1/2" Cross, 3,000 LB, Screwed Carbon Steel.....	47.54	19.55
23 21 13 23-1176 EA 3/4" Cross, 3,000 LB, Screwed Carbon Steel.....	57.55	20.86
23 21 13 23-1177 EA 1" Cross, 3,000 LB, Screwed Carbon Steel.....	68.58	25.16
23 21 13 23-1178 EA 1-1/2" Cross, 3,000 LB, Screwed Carbon Steel.....	120.44	35.20
23 21 13 23-1179 EA 2" Cross, 3,000 LB, Screwed Carbon Steel.....	161.52	43.48
23 21 13 23-1180 EA 1/2" Cross, 6,000 LB, Screwed Carbon Steel.....	73.10	19.55
23 21 13 23-1181 EA 3/4" Cross, 6,000 LB, Screwed Carbon Steel.....	127.31	20.86
23 21 13 23-1182 EA 1" Cross, 6,000 LB, Screwed Carbon Steel.....	176.07	25.16
23 21 13 23-1183 EA 1-1/2" Cross, 6,000 LB, Screwed Carbon Steel.....	280.28	35.20
23 21 13 23-1184 EA 2" Cross, 6,000 LB, Screwed Carbon Steel.....	305.24	43.48
<b>23 21 13 23-1185 Straight Couplings, Screwed Carbon Steel</b> <small>(23 21 13 23-1106)</small>		
23 21 13 23-1186 EA 1/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	17.26	9.91
23 21 13 23-1187 EA 1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	19.65	11.61
23 21 13 23-1188 EA 3/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	22.58	12.97
23 21 13 23-1189 EA 1" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	26.43	14.47
23 21 13 23-1190 EA 1-1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	39.56	18.51
23 21 13 23-1191 EA 2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	50.19	23.54
23 21 13 23-1192 EA 1/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	20.53	9.91
23 21 13 23-1193 EA 1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	21.72	11.61
23 21 13 23-1194 EA 3/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	24.17	12.97
23 21 13 23-1195 EA 1" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	28.55	14.47
23 21 13 23-1196 EA 1-1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	42.80	18.51
23 21 13 23-1197 EA 2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	62.03	23.54
<b>23 21 13 23-1198 Reducing Couplings, Screwed Carbon Steel</b> <small>(23 21 13 23-1106)</small>		
23 21 13 23-1199 EA 1/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	17.71	10.56
23 21 13 23-1200 EA 1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	20.72	11.61
23 21 13 23-1201 EA 3/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	24.22	12.97
23 21 13 23-1202 EA 1" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	28.70	14.47
23 21 13 23-1203 EA 1-1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	40.15	18.51
23 21 13 23-1204 EA 2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	53.38	23.54
23 21 13 23-1205 EA 1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	62.67	11.61
23 21 13 23-1206 EA 3/4" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	64.75	12.97
23 21 13 23-1207 EA 1" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	75.94	14.47
23 21 13 23-1208 EA 1-1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	110.02	18.51
23 21 13 23-1209 EA 2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	159.14	23.54
<b>23 21 13 23-1210 Caps, Screwed Carbon Steel</b> <small>(23 21 13 23-1106)</small>		
23 21 13 23-1211 EA 1/4" Cap, 3,000 LB, Screwed Carbon Steel.....	5.55	2.41
23 21 13 23-1212 EA 1/2" Cap, 3,000 LB, Screwed Carbon Steel.....	6.16	2.74
23 21 13 23-1213 EA 3/4" Cap, 3,000 LB, Screwed Carbon Steel.....	7.59	3.13
23 21 13 23-1214 EA 1" Cap, 3,000 LB, Screwed Carbon Steel.....	9.92	3.65
23 21 13 23-1215 EA 1-1/2" Cap, 3,000 LB, Screwed Carbon Steel.....	13.68	4.37
23 21 13 23-1216 EA 2" Cap, 3,000 LB, Screwed Carbon Steel.....	19.30	5.41
23 21 13 23-1217 EA 1/4" Cap, 6,000 LB, Screwed Carbon Steel.....	9.48	2.41
23 21 13 23-1218 EA 1/2" Cap, 6,000 LB, Screwed Carbon Steel.....	8.68	2.74
23 21 13 23-1219 EA 3/4" Cap, 6,000 LB, Screwed Carbon Steel.....	11.69	3.13
23 21 13 23-1220 EA 1" Cap, 6,000 LB, Screwed Carbon Steel.....	12.91	3.65
23 21 13 23-1221 EA 1-1/2" Cap, 6,000 LB, Screwed Carbon Steel.....	25.89	4.37
23 21 13 23-1222 EA 2" Cap, 6,000 LB, Screwed Carbon Steel.....	31.20	5.41
<b>23 21 13 23-1223 Nipples, Screwed Carbon Steel</b> <small>(23 21 13 23-1106)</small>		
23 21 13 23-1224 EA 1/4" Nipple, 2" Long, Screwed Carbon Steel.....	10.65	5.93
23 21 13 23-1225 EA 1/2" Nipple, 2" Long, Screwed Carbon Steel.....	10.81	6.19
23 21 13 23-1226 EA 3/4" Nipple, 2" Long, Screwed Carbon Steel.....	10.71	6.19
23 21 13 23-1227 EA 1" Nipple, 2" Long, Screwed Carbon Steel.....	12.02	6.72
23 21 13 23-1228 EA 1-1/2" Nipple, 2" Long, Screwed Carbon Steel.....	13.86	7.24
23 21 13 23-1229 EA 2" Nipple, 2" Long, Screwed Carbon Steel.....	16.28	9.32
23 21 13 23-1230 EA 1/4" Nipple, 4" Long, Screwed Carbon Steel.....	11.40	5.93
23 21 13 23-1231 EA 1/2" Nipple, 4" Long, Screwed Carbon Steel.....	11.41	6.19
23 21 13 23-1232 EA 3/4" Nipple, 4" Long, Screwed Carbon Steel.....	11.39	6.19
23 21 13 23-1233 EA 1" Nipple, 4" Long, Screwed Carbon Steel.....	12.93	6.72
23 21 13 23-1234 EA 1-1/2" Nipple, 4" Long, Screwed Carbon Steel.....	15.48	7.24
23 21 13 23-1235 EA 2" Nipple, 4" Long, Screwed Carbon Steel.....	18.65	9.32
23 21 13 23-1236 EA 1/4" Nipple, 6" Long, Screwed Carbon Steel.....	13.19	5.93

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1237	EA	1/2" Nipple, 6" Long, Screwed Carbon Steel.....	12.35	6.19
23 21	13 23-1238	EA	3/4" Nipple, 6" Long, Screwed Carbon Steel.....	12.44	6.19
23 21	13 23-1239	EA	1" Nipple, 6" Long, Screwed Carbon Steel.....	14.23	6.72
23 21	13 23-1240	EA	1-1/2" Nipple, 6" Long, Screwed Carbon Steel.....	17.70	7.24
23 21	13 23-1241	EA	2" Nipple, 6" Long, Screwed Carbon Steel.....	20.61	9.32
<b>23 21</b>	<b>13 23-1242</b>		<b>Unions, Screwed Carbon Steel</b> (23 21 13 23-1106)		
23 21	13 23-1243	EA	1/4" Union, 3,000 LB, Screwed Carbon Steel.....	22.22	14.41
23 21	13 23-1244	EA	1/2" Union, 3,000 LB, Screwed Carbon Steel.....	23.01	14.47
23 21	13 23-1245	EA	3/4" Union, 3,000 LB, Screwed Carbon Steel.....	26.39	16.75
23 21	13 23-1246	EA	1" Union, 3,000 LB, Screwed Carbon Steel.....	31.57	19.75
23 21	13 23-1247	EA	1-1/2" Union, 3,000 LB, Screwed Carbon Steel.....	45.30	28.03
23 21	13 23-1248	EA	2" Union, 3,000 LB, Screwed Carbon Steel.....	56.25	34.81
23 21	13 23-1249	EA	1/4" Union, 6,000 LB, Screwed Carbon Steel.....	39.62	14.41
23 21	13 23-1250	EA	1/2" Union, 6,000 LB, Screwed Carbon Steel.....	44.05	14.47
23 21	13 23-1251	EA	3/4" Union, 6,000 LB, Screwed Carbon Steel.....	51.86	16.75
23 21	13 23-1252	EA	1" Union, 6,000 LB, Screwed Carbon Steel.....	62.96	19.75
23 21	13 23-1253	EA	1-1/2" Union, 6,000 LB, Screwed Carbon Steel.....	109.49	28.03
23 21	13 23-1254	EA	2" Union, 6,000 LB, Screwed Carbon Steel.....	135.25	34.81
<b>23 21</b>	<b>13 23-1255</b>		<b>Weld Neck Flanges, Screwed Carbon Steel</b> (23 21 13 23-1106)		
23 21	13 23-1256	EA	1/2" Flange, 150 LB, Screwed Carbon Steel.....	49.64	26.92
23 21	13 23-1257	EA	3/4" Flange, 150 LB, Screwed Carbon Steel.....	51.90	28.22
23 21	13 23-1258	EA	1" Flange, 150 LB, Screwed Carbon Steel.....	53.74	29.46
23 21	13 23-1259	EA	1-1/2" Flange, 150 LB, Screwed Carbon Steel.....	59.64	33.19
23 21	13 23-1260	EA	2" Flange, 150 LB, Screwed Carbon Steel.....	61.81	34.62
23 21	13 23-1261	EA	1/2" Flange, 300 LB, Screwed Carbon Steel.....	50.23	26.92
			<i>For Ring Type Joint, Add</i>	9.84	
			<i>For Blind Flange, Deduct</i>	-18.12	
23 21	13 23-1262	EA	3/4" Flange, 300 LB, Screwed Carbon Steel.....	52.52	28.22
			<i>For Ring Type Joint, Add</i>	10.17	
			<i>For Blind Flange, Deduct</i>	-18.97	
23 21	13 23-1263	EA	1" Flange, 300 LB, Screwed Carbon Steel.....	54.68	29.46
			<i>For Ring Type Joint, Add</i>	10.49	
			<i>For Blind Flange, Deduct</i>	-19.77	
23 21	13 23-1264	EA	1-1/2" Flange, 300 LB, Screwed Carbon Steel.....	61.90	33.19
			<i>For Ring Type Joint, Add</i>	12.14	
			<i>For Blind Flange, Deduct</i>	-22.33	
23 21	13 23-1265	EA	2" Flange, 300 LB, Screwed Carbon Steel.....	64.07	34.62
			<i>For Ring Type Joint, Add</i>	12.14	
			<i>For Blind Flange, Deduct</i>	-23.20	
23 21	13 23-1266	EA	1/2" Flange, 600 LB, Screwed Carbon Steel.....	54.10	26.92
			<i>For Ring Type Joint, Add</i>	13.71	
			<i>For Blind Flange, Deduct</i>	-18.90	
23 21	13 23-1267	EA	3/4" Flange, 600 LB, Screwed Carbon Steel.....	56.06	28.22
			<i>For Ring Type Joint, Add</i>	13.71	
			<i>For Blind Flange, Deduct</i>	-19.68	
23 21	13 23-1268	EA	1" Flange, 600 LB, Screwed Carbon Steel.....	58.53	29.46
			<i>For Ring Type Joint, Add</i>	14.34	
			<i>For Blind Flange, Deduct</i>	-20.54	
23 21	13 23-1269	EA	1-1/2" Flange, 600 LB, Screwed Carbon Steel.....	66.66	33.19
			<i>For Ring Type Joint, Add</i>	16.90	
			<i>For Blind Flange, Deduct</i>	-23.28	
23 21	13 23-1270	EA	2" Flange, 600 LB, Screwed Carbon Steel.....	67.66	34.62
			<i>For Ring Type Joint, Add</i>	15.73	
			<i>For Blind Flange, Deduct</i>	-23.92	
<b>23 21</b>	<b>13 23-1271</b>		<b>Square Head Plugs, Screwed Carbon Steel</b> (23 21 13 23-1106)		
23 21	13 23-1272	EA	1/4" Square Head Plug, Screwed Carbon Steel.....	3.60	1.83
23 21	13 23-1273	EA	1/2" Square Head Plug, Screwed Carbon Steel.....	4.31	2.15
23 21	13 23-1274	EA	3/4" Square Head Plug, Screwed Carbon Steel.....	5.02	2.48
23 21	13 23-1275	EA	1" Square Head Plug, Screwed Carbon Steel.....	7.31	3.65
23 21	13 23-1276	EA	1-1/2" Square Head Plug, Screwed Carbon Steel.....	9.59	3.65
23 21	13 23-1277	EA	2" Square Head Plug, Screwed Carbon Steel.....	14.01	4.76
<b>23 21</b>	<b>13 23-1278</b>		<b>Hex Head Plugs, Screwed Carbon Steel</b> (23 21 13 23-1106)		
23 21	13 23-1279	EA	1/4" Hex Head Plug, Screwed Carbon Steel.....	3.37	1.83
23 21	13 23-1280	EA	1/2" Hex Head Plug, Screwed Carbon Steel.....	4.10	2.15
23 21	13 23-1281	EA	3/4" Hex Head Plug, Screwed Carbon Steel.....	4.88	2.48
23 21	13 23-1282	EA	1" Hex Head Plug, Screwed Carbon Steel.....	7.19	3.65
23 21	13 23-1283	EA	1-1/2" Hex Head Plug, Screwed Carbon Steel.....	9.09	3.65
23 21	13 23-1284	EA	2" Hex Head Plug, Screwed Carbon Steel.....	14.36	4.76
<b>23 21</b>	<b>13 23-1285</b>		<b>Round Head Plugs, Screwed Carbon Steel</b> (23 21 13 23-1106)		
23 21	13 23-1286	EA	1/4" Round Head Plug, Screwed Carbon Steel.....	4.11	1.83
23 21	13 23-1287	EA	1/2" Round Head Plug, Screwed Carbon Steel.....	4.34	2.15
23 21	13 23-1288	EA	3/4" Round Head Plug, Screwed Carbon Steel.....	4.92	2.48



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1289 EA 1" Round Head Plug, Screwed Carbon Steel .....	7.39	3.65
23 21 13 23-1290 EA 1-1/2" Round Head Plug, Screwed Carbon Steel .....	10.22	3.65
23 21 13 23-1291 EA 2" Round Head Plug, Screwed Carbon Steel .....	14.23	4.76
<b>23 21 13 23-1292 Hexagon Bushings, Screwed Carbon Steel (23 21 13 23-1106)</b>		
23 21 13 23-1293 EA 1/4" Hex Bushing, Screwed Carbon Steel .....	3.54	1.83
23 21 13 23-1294 EA 1/2" Hex Bushing, Screwed Carbon Steel .....	4.09	2.15
23 21 13 23-1295 EA 3/4" Hex Bushing, Screwed Carbon Steel .....	4.82	2.48
23 21 13 23-1296 EA 1" Hex Bushing, Screwed Carbon Steel .....	7.35	3.65
23 21 13 23-1297 EA 1-1/2" Hex Bushing, Screwed Carbon Steel .....	9.05	3.65
23 21 13 23-1298 EA 2" Hex Bushing, Screwed Carbon Steel .....	13.84	4.76
<b>23 21 13 23-1299 90 Degree Street Elbows, Screwed Carbon Steel (23 21 13 23-1106)</b>		
23 21 13 23-1300 EA 1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	23.11	9.91
23 21 13 23-1301 EA 1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	26.25	11.61
23 21 13 23-1302 EA 3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	30.87	12.97
23 21 13 23-1303 EA 1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	36.33	14.47
23 21 13 23-1304 EA 1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	58.98	18.51
23 21 13 23-1305 EA 2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel .....	79.84	23.54
23 21 13 23-1306 EA 1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel .....	38.14	11.61
23 21 13 23-1307 EA 3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel .....	55.05	12.97
23 21 13 23-1308 EA 1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel .....	76.78	14.47
23 21 13 23-1309 EA 1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel .....	170.26	18.51
<b>23 21 13 23-1310 Screwed Carbon Steel Laterals (23 21 13 23-1106)</b>		
23 21 13 23-1311 EA 1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel .....	103.63	14.47
23 21 13 23-1312 EA 3/4" Lateral, Straight, 3,000 LB, Screwed Carbon Steel .....	124.77	16.75
23 21 13 23-1313 EA 1" Lateral, Straight, 3,000 LB, Screwed Carbon Steel .....	152.84	19.75
23 21 13 23-1314 EA 1-1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel .....	195.89	28.03
23 21 13 23-1315 EA 2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel .....	244.45	34.81
23 21 13 23-1316 EA 1/2" Lateral, Straight, 6,000 LB, Screwed Carbon Steel .....	131.40	14.47
23 21 13 23-1317 EA 3/4" Lateral, Straight, 6,000 LB, Screwed Carbon Steel .....	166.08	16.75
23 21 13 23-1318 EA 1" Lateral, Straight, 6,000 LB, Screwed Carbon Steel .....	197.01	19.75
23 21 13 23-1319 EA 1-1/2" Lateral, Straight, 6,000 LB, Screwed Carbon Steel .....	277.09	28.03
<b>23 21 13 23-1320 Grooved-Joint Pipe (23 21 13 23)</b>		
Note: Includes grooving of pipe. Excludes hangers, elbow, tee, reducer fitting or couplings.		
<b>23 21 13 23-1321 Schedule 10 Black Grooved Pipe (23 21 13 23-1320)</b>		
23 21 13 23-1322 LF 2" Black Schedule 10 Grooved Pipe .....	19.57	8.28
23 21 13 23-1323 LF 2-1/2" Black Schedule 10 Grooved Pipe .....	26.35	11.34
23 21 13 23-1324 LF 3" Black Schedule 10 Grooved Pipe .....	29.64	12.58
23 21 13 23-1325 LF 3-1/2" Black Schedule 10 Grooved Pipe .....	33.37	13.04
23 21 13 23-1326 LF 4" Black Schedule 10 Grooved Pipe .....	35.35	14.15
23 21 13 23-1327 LF 5" Black Schedule 10 Grooved Pipe .....	50.83	17.34
23 21 13 23-1328 LF 6" Black Schedule 10 Grooved Pipe .....	64.74	24.64
23 21 13 23-1329 LF 8" Black Schedule 10 Grooved Pipe .....	90.53	27.64
23 21 13 23-1330 LF 10" Black Schedule 10 Grooved Pipe .....	113.96	33.32
23 21 13 23-1331 LF 12" Black Schedule 10 Grooved Pipe .....	131.70	37.74
<b>23 21 13 23-1332 Schedule 40 Black Grooved Pipe (23 21 13 23-1320)</b>		
23 21 13 23-1333 LF 3/4" Black Schedule 40 Grooved Pipe .....	11.72	5.02
23 21 13 23-1334 LF 1" Black Schedule 40 Grooved Pipe .....	13.24	5.67
23 21 13 23-1335 LF 1-1/4" Black Schedule 40 Grooved Pipe .....	15.17	6.13
23 21 13 23-1336 LF 1-1/2" Black Schedule 40 Grooved Pipe .....	17.26	6.98
23 21 13 23-1337 LF 2" Black Schedule 40 Grooved Pipe .....	21.71	8.86
23 21 13 23-1338 LF 2-1/2" Black Schedule 40 Grooved Pipe .....	30.31	12.12
23 21 13 23-1339 LF 3" Black Schedule 40 Grooved Pipe .....	35.95	13.82
23 21 13 23-1340 LF 4" Black Schedule 40 Grooved Pipe .....	44.66	15.39
23 21 13 23-1341 LF 5" Black Schedule 40 Grooved Pipe .....	62.34	18.71
23 21 13 23-1342 LF 6" Black Schedule 40 Grooved Pipe .....	83.25	26.98
23 21 13 23-1343 LF 8" Black Schedule 40 Grooved Pipe .....	112.32	30.57
23 21 13 23-1344 LF 10" Black Schedule 40 Grooved Pipe .....	156.79	36.50
23 21 13 23-1345 LF 12" Black Schedule 40 Grooved Pipe .....	185.07	41.92
23 21 13 23-1346 LF 14" Black Schedule 40 Grooved Pipe .....	243.86	56.65
23 21 13 23-1347 LF 16" Black Schedule 40 Grooved Pipe .....	282.57	66.62
23 21 13 23-1348 LF 18" Black Schedule 40 Grooved Pipe .....	351.42	80.90
23 21 13 23-1349 LF 20" Black Schedule 40 Grooved Pipe .....	404.84	94.33
23 21 13 23-1350 LF 24" Black Schedule 40 Grooved Pipe .....	532.80	113.23
<b>23 21 13 23-1351 Schedule 80 Black Grooved Pipe (23 21 13 23-1320)</b>		
23 21 13 23-1352 LF 3/4" Black Schedule 80 Grooved Pipe .....	12.86	5.48
23 21 13 23-1353 LF 1" Black Schedule 80 Grooved Pipe .....	14.35	5.80
23 21 13 23-1354 LF 1-1/4" Black Schedule 80 Grooved Pipe .....	16.98	6.45

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1355	LF	1-1/2" Black Schedule 80 Grooved Pipe .....	19.37	7.24
23 21	13 23-1356	LF	2" Black Schedule 80 Grooved Pipe .....	25.08	9.32
23 21	13 23-1357	LF	2-1/2" Black Schedule 80 Grooved Pipe .....	35.43	12.85
23 21	13 23-1358	LF	3" Black Schedule 80 Grooved Pipe .....	42.56	14.41
23 21	13 23-1359	LF	4" Black Schedule 80 Grooved Pipe .....	54.30	15.71
23 21	13 23-1360	LF	5" Black Schedule 80 Grooved Pipe .....	84.40	19.75
23 21	13 23-1361	LF	6" Black Schedule 80 Grooved Pipe .....	108.99	28.29
23 21	13 23-1362	LF	8" Black Schedule 80 Grooved Pipe .....	166.57	32.34
23 21	13 23-1363	LF	10" Black Schedule 80 Grooved Pipe .....	207.74	39.04
23 21	13 23-1364	LF	12" Black Schedule 80 Grooved Pipe .....	216.72	47.19
<b>23 21</b>	<b>13 23-1365</b>		<b>Schedule 40 Galvanized Grooved Pipe (23 21 13 23-1320)</b>		
23 21	13 23-1366	LF	3/4" Galvanized Schedule 40 Grooved Pipe .....	12.18	5.02
23 21	13 23-1367	LF	1" Galvanized Schedule 40 Grooved Pipe .....	14.18	5.67
23 21	13 23-1368	LF	1-1/4" Galvanized Schedule 40 Grooved Pipe .....	15.88	6.13
23 21	13 23-1369	LF	1-1/2" Galvanized Schedule 40 Grooved Pipe .....	18.08	6.98
23 21	13 23-1370	LF	2" Galvanized Schedule 40 Grooved Pipe .....	22.82	8.86
23 21	13 23-1371	LF	2-1/2" Galvanized Schedule 40 Grooved Pipe .....	32.08	12.12
23 21	13 23-1372	LF	3" Galvanized Schedule 40 Grooved Pipe .....	38.32	13.82
23 21	13 23-1373	LF	4" Galvanized Schedule 40 Grooved Pipe .....	48.01	15.39
23 21	13 23-1374	LF	5" Galvanized Schedule 40 Grooved Pipe .....	68.65	18.71
23 21	13 23-1375	LF	6" Galvanized Schedule 40 Grooved Pipe .....	91.87	26.98
23 21	13 23-1376	LF	8" Galvanized Schedule 40 Grooved Pipe .....	124.17	30.57
23 21	13 23-1377	LF	10" Galvanized Schedule 40 Grooved Pipe .....	177.79	36.50
23 21	13 23-1378	LF	12" Galvanized Schedule 40 Grooved Pipe .....	210.51	41.92
<b>23 21</b>	<b>13 23-1379</b>		<b>Schedule 80 Galvanized Grooved Pipe (23 21 13 23-1320)</b>		
23 21	13 23-1380	LF	3/4" Galvanized Schedule 80 Grooved Pipe .....	13.05	5.48
23 21	13 23-1381	LF	1" Galvanized Schedule 80 Grooved Pipe .....	17.54	5.80
23 21	13 23-1382	LF	1-1/4" Galvanized Schedule 80 Grooved Pipe .....	17.49	6.45
23 21	13 23-1383	LF	1-1/2" Galvanized Schedule 80 Grooved Pipe .....	23.18	7.69
23 21	13 23-1384	LF	2" Galvanized Schedule 80 Grooved Pipe .....	25.97	9.32
23 21	13 23-1385	LF	2-1/2" Galvanized Schedule 80 Grooved Pipe .....	36.92	12.85
23 21	13 23-1386	LF	3" Galvanized Schedule 80 Grooved Pipe .....	44.82	14.41
23 21	13 23-1387	LF	4" Galvanized Schedule 80 Grooved Pipe .....	57.43	15.71
23 21	13 23-1388	LF	5" Galvanized Schedule 80 Grooved Pipe .....	88.08	19.75
23 21	13 23-1389	LF	6" Galvanized Schedule 80 Grooved Pipe .....	113.07	28.29
23 21	13 23-1390	LF	8" Galvanized Schedule 80 Grooved Pipe .....	173.18	32.34
23 21	13 23-1391	LF	10" Galvanized Schedule 80 Grooved Pipe .....	205.89	39.04
23 21	13 23-1392	LF	12" Galvanized Schedule 80 Grooved Pipe .....	224.20	47.19
<b>23 21</b>	<b>13 23-1393</b>		<b>Painted Grooved-Joint Pipe Fittings (23 21 13 23)</b>		
			Note: Couplings are not included with fittings.		
<b>23 21</b>	<b>13 23-1394</b>		<b>Grooved Elbows (23 21 13 23-1393)</b>		
<b>23 21</b>	<b>13 23-1395</b>		<b>90 Degree Grooved Elbows (23 21 13 23-1394)</b>		
			Note: Victaulic No. 10		
23 21	13 23-1396	EA	3/4" 90 Degree Elbow, Ductile Iron, Grooved .....	76.38	7.11
			For Galvanized Fittings, Add	21.69	
23 21	13 23-1397	EA	1" 90 Degree Elbow, Ductile Iron, Grooved .....	76.38	7.11
			For Galvanized Fittings, Add	21.69	
23 21	13 23-1398	EA	1-1/4" 90 Degree Elbow, Ductile Iron, Grooved .....	79.04	8.86
			For Galvanized Fittings, Add	21.69	
23 21	13 23-1399	EA	1-1/2" 90 degree Elbow, Ductile Iron, Grooved .....	81.87	10.76
			For Galvanized Fittings, Add	21.69	
23 21	13 23-1400	EA	2" 90 Degree Elbow, Ductile Iron, Grooved .....	87.04	14.21
			For Galvanized Fittings, Add	21.69	
23 21	13 23-1401	EA	2-1/2" 90 Degree Elbow, Ductile Iron, Grooved .....	91.69	17.34
			For Galvanized Fittings, Add	21.69	
23 21	13 23-1402	EA	3" 90 Degree Elbow, Ductile Iron, Grooved .....	148.22	20.99
			For Galvanized Fittings, Add	38.53	
23 21	13 23-1403	EA	4" 90 Degree Elbow, Ductile Iron, Grooved .....	168.70	27.71
			For Galvanized Fittings, Add	41.97	
23 21	13 23-1404	EA	5" 90 Degree Elbow, Ductile Iron, Grooved .....	361.49	34.62
			For Galvanized Fittings, Add	102.16	
23 21	13 23-1405	EA	6" 90 Degree Elbow, Ductile Iron, Grooved .....	427.69	45.31
			For Galvanized Fittings, Add	118.73	
23 21	13 23-1406	EA	8" 90 Degree Elbow, Ductile Iron, Grooved .....	838.07	53.91
			For Galvanized Fittings, Add	249.89	
23 21	13 23-1407	EA	10" 90 Degree Elbow, Ductile Iron, Grooved .....	1,274.08	62.90
			For Galvanized Fittings, Add	389.32	
23 21	13 23-1408	EA	12" 90 Degree Elbow, Ductile Iron, Grooved .....	2,004.16	75.49
			For Galvanized Fittings, Add	624.02	
23 21	13 23-1409	EA	14" 90 Degree Elbow, Steel, Grooved .....	4,060.34	85.20
			For Galvanized Fittings, Add	1,297.75	
23 21	13 23-1410	EA	16" 90 Degree Elbow, Steel, Grooved .....	5,287.26	94.33
			For Galvanized Fittings, Add	1,698.12	
23 21	13 23-1411	EA	18" 90 Degree Elbow, Steel, Grooved .....	6,680.89	103.06
			For Galvanized Fittings, Add	2,153.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1412 EA 20" 90 Degree Elbow, Steel, Grooved .....	8,737.07	107.17
<i>For Galvanized Fittings, Add</i>	2,830.20	
23 21 13 23-1413 EA 24" 90 Degree Elbow, Steel, Grooved .....	12,531.52	126.73
<i>For Galvanized Fittings, Add</i>	4,072.72	
<b>23 21 13 23-1414 45 Degree Grooved Elbows (23 21 13 23-1394)</b>		
Note: Victaulic No. 11		
23 21 13 23-1415 EA 3/4" 45 Degree Elbow, Ductile Iron, Grooved .....	76.33	7.11
<i>For Galvanized Fittings, Add</i>	15.76	
23 21 13 23-1416 EA 1" 45 Degree Elbow, Ductile Iron, Grooved .....	76.33	7.11
<i>For Galvanized Fittings, Add</i>	15.76	
23 21 13 23-1417 EA 1-1/4" 45 Degree Elbow, Ductile Iron, Grooved .....	78.99	8.86
<i>For Galvanized Fittings, Add</i>	15.76	
23 21 13 23-1418 EA 1-1/2" 45 degree Elbow, Ductile Iron, Grooved .....	81.82	10.76
<i>For Galvanized Fittings, Add</i>	15.76	
23 21 13 23-1419 EA 2" 45 Degree Elbow, Ductile Iron, Grooved .....	86.99	14.21
<i>For Galvanized Fittings, Add</i>	15.76	
23 21 13 23-1420 EA 2-1/2" 45 Degree Elbow, Ductile Iron, Grooved .....	91.64	17.34
<i>For Galvanized Fittings, Add</i>	15.76	
23 21 13 23-1421 EA 3" 45 Degree Elbow, Ductile Iron, Grooved .....	148.17	20.99
<i>For Galvanized Fittings, Add</i>	28.01	
23 21 13 23-1422 EA 4" 45 Degree Elbow, Ductile Iron, Grooved .....	168.70	27.71
<i>For Galvanized Fittings, Add</i>	30.52	
23 21 13 23-1423 EA 5" 45 Degree Elbow, Ductile Iron, Grooved .....	361.49	34.62
<i>For Galvanized Fittings, Add</i>	74.30	
23 21 13 23-1424 EA 6" 45 Degree Elbow, Ductile Iron, Grooved .....	427.69	45.31
<i>For Galvanized Fittings, Add</i>	86.35	
23 21 13 23-1425 EA 8" 45 Degree Elbow, Ductile Iron, Grooved .....	838.07	53.91
<i>For Galvanized Fittings, Add</i>	181.74	
23 21 13 23-1426 EA 10" 45 Degree Elbow, Ductile Iron, Grooved .....	1,274.08	62.90
<i>For Galvanized Fittings, Add</i>	283.14	
23 21 13 23-1427 EA 12" 45 Degree Elbow, Ductile Iron, Grooved .....	2,004.16	75.49
<i>For Galvanized Fittings, Add</i>	453.84	
23 21 13 23-1428 EA 14" 45 Degree Elbow, Steel, Grooved .....	4,060.34	85.20
<i>For Galvanized Fittings, Add</i>	943.82	
23 21 13 23-1429 EA 16" 45 Degree Elbow, Steel, Grooved .....	5,287.26	94.33
<i>For Galvanized Fittings, Add</i>	1,234.99	
23 21 13 23-1430 EA 18" 45 Degree Elbow, Steel, Grooved .....	6,680.89	103.06
<i>For Galvanized Fittings, Add</i>	1,566.34	
23 21 13 23-1431 EA 20" 45 Degree Elbow, Steel, Grooved .....	8,737.35	107.36
<i>For Galvanized Fittings, Add</i>	2,058.32	
23 21 13 23-1432 EA 24" 45 Degree Elbow, Steel, Grooved .....	12,531.52	126.73
<i>For Galvanized Fittings, Add</i>	2,961.98	
<b>23 21 13 23-1433 22-1/2 Degree Grooved Elbows (23 21 13 23-1394)</b>		
Note: Victaulic No. 12		
23 21 13 23-1434 EA 1" 22-1/2 Degree Elbow, Ductile Iron, Grooved .....	80.66	7.11
<i>For Galvanized Fittings, Add</i>	16.80	
23 21 13 23-1435 EA 1-1/4" 22-1/2 Degree Elbow, Ductile Iron, Grooved .....	83.32	8.86
<i>For Galvanized Fittings, Add</i>	16.80	
23 21 13 23-1436 EA 1-1/2" 22-1/2 Degree Elbow, Ductile Iron, Grooved .....	86.15	10.76
<i>For Galvanized Fittings, Add</i>	16.80	
23 21 13 23-1437 EA 2" 22-1/2 Degree Elbow, Ductile Iron, Grooved .....	91.32	14.21
<i>For Galvanized Fittings, Add</i>	16.80	
23 21 13 23-1438 EA 2-1/2" 22-1/2 Degree Elbow, Ductile Iron, Grooved .....	95.97	17.34
<i>For Galvanized Fittings, Add</i>	16.80	
23 21 13 23-1439 EA 3" 22-1/2 Degree Elbow, Ductile Iron, Grooved .....	133.85	20.99
<i>For Galvanized Fittings, Add</i>	24.58	
23 21 13 23-1440 EA 4" 22-1/2 Degree Elbow, Ductile Iron, Grooved .....	178.82	27.71
<i>For Galvanized Fittings, Add</i>	32.95	
23 21 13 23-1441 EA 5" 22-1/2 Degree Elbow, Steel, Grooved .....	477.68	34.62
<i>For Galvanized Fittings, Add</i>	102.19	
23 21 13 23-1442 EA 6" 22-1/2 Degree Elbow, Ductile Iron, Grooved .....	456.86	45.31
<i>For Galvanized Fittings, Add</i>	93.35	
23 21 13 23-1443 EA 8" 22-1/2 Degree Elbow, Ductile Iron, Grooved .....	894.68	53.91
<i>For Galvanized Fittings, Add</i>	195.32	
23 21 13 23-1444 EA 10" 22-1/2 Degree Elbow, Steel, Grooved .....	1,211.61	62.90
<i>For Galvanized Fittings, Add</i>	268.15	
23 21 13 23-1445 EA 12" 22-1/2 Degree Elbow, Steel, Grooved .....	1,623.67	75.49
<i>For Galvanized Fittings, Add</i>	362.52	
23 21 13 23-1446 EA 14" 22-1/2 Degree Elbow, Steel, Grooved .....	1,872.42	85.20
<i>For Galvanized Fittings, Add</i>	418.72	
23 21 13 23-1447 EA 16" 22-1/2 Degree Elbow, Steel, Grooved .....	2,233.93	94.33
<i>For Galvanized Fittings, Add</i>	502.20	
23 21 13 23-1448 EA 18" 22-1/2 Degree Elbow, Steel, Grooved .....	2,688.64	103.06
<i>For Galvanized Fittings, Add</i>	608.20	
23 21 13 23-1449 EA 20" 22-1/2 Degree Elbow, Steel, Grooved .....	3,156.76	107.17
<i>For Galvanized Fittings, Add</i>	719.05	
23 21 13 23-1450 EA 24" 22-1/2 Degree Elbow, Steel, Grooved .....	4,215.97	126.73
<i>For Galvanized Fittings, Add</i>	966.25	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1451			<b>11-1/4 Degree Grooved Elbows</b> (23 21 13 23-1394)		
			Note: Victaulic No. 13		
23 21 13 23-1452	EA		1" 11-1/4 Degree Elbow, Ductile Iron, Grooved .....	80.66	7.11
			<i>For Galvanized Fittings, Add</i>	16.80	
23 21 13 23-1453	EA		1-1/4" 11-1/4 Degree Elbow, Ductile Iron, Grooved .....	83.32	8.86
			<i>For Galvanized Fittings, Add</i>	16.80	
23 21 13 23-1454	EA		1-1/2" 11-1/4 Degree Elbow, Ductile Iron, Grooved .....	86.15	10.76
			<i>For Galvanized Fittings, Add</i>	16.80	
23 21 13 23-1455	EA		2" 11-1/4 Degree Elbow, Ductile Iron, Grooved .....	91.32	14.21
			<i>For Galvanized Fittings, Add</i>	16.80	
23 21 13 23-1456	EA		2-1/2" 11-1/4 Degree Elbow, Ductile Iron, Grooved .....	95.97	17.34
			<i>For Galvanized Fittings, Add</i>	16.80	
23 21 13 23-1457	EA		3" 11-1/4 Degree Elbow, Ductile Iron, Grooved .....	133.84	20.99
			<i>For Galvanized Fittings, Add</i>	24.57	
23 21 13 23-1458	EA		4" 11-1/4 Degree Elbow, Ductile Iron, Grooved .....	178.81	27.71
			<i>For Galvanized Fittings, Add</i>	32.95	
23 21 13 23-1459	EA		5" 11-1/4 Degree Elbow, Steel, Grooved .....	477.66	34.62
			<i>For Galvanized Fittings, Add</i>	102.18	
23 21 13 23-1460	EA		6" 11-1/4 Degree Elbow, Ductile Iron, Grooved .....	456.85	45.31
			<i>For Galvanized Fittings, Add</i>	93.35	
23 21 13 23-1461	EA		8" 11-1/4 Degree Elbow, Ductile Iron, Grooved .....	894.63	53.91
			<i>For Galvanized Fittings, Add</i>	195.31	
23 21 13 23-1462	EA		10" 11-1/4 Degree Elbow, Steel, Grooved .....	1,211.55	62.90
			<i>For Galvanized Fittings, Add</i>	268.14	
23 21 13 23-1463	EA		12" 11-1/4 Degree Elbow, Steel, Grooved .....	1,623.59	75.49
			<i>For Galvanized Fittings, Add</i>	362.50	
23 21 13 23-1464	EA		14" 11-1/4 Degree Elbow, Steel, Grooved .....	1,872.33	85.20
			<i>For Galvanized Fittings, Add</i>	418.69	
23 21 13 23-1465	EA		16" 11-1/4 Degree Elbow, Steel, Grooved .....	2,233.84	94.39
			<i>For Galvanized Fittings, Add</i>	502.17	
23 21 13 23-1466	EA		18" 11-1/4 Degree Elbow, Steel, Grooved .....	2,688.48	103.06
			<i>For Galvanized Fittings, Add</i>	608.16	
23 21 13 23-1467	EA		20" 11-1/4 Degree Elbow, Steel, Grooved .....	3,156.59	107.17
			<i>For Galvanized Fittings, Add</i>	719.01	
23 21 13 23-1468	EA		24" 11-1/4 Degree Elbow, Steel, Grooved .....	4,215.75	126.73
			<i>For Galvanized Fittings, Add</i>	966.19	
23 21 13 23-1469			<b>90 Degree Grooved Long Radius Elbows</b> (23 21 13 23-1394)		
			Note: Victaulic No. 100		
23 21 13 23-1470	EA		2" 90 Degree Long Radius Elbow, Ductile Iron, Grooved .....	171.58	14.21
			<i>For Galvanized Fittings, Add</i>	36.06	
23 21 13 23-1471	EA		2-1/2" 90 Degree Long Radius Elbow, Steel, Grooved .....	461.99	17.34
			<i>For Galvanized Fittings, Add</i>	104.65	
23 21 13 23-1472	EA		3" 90 Degree Long Radius Elbow, Ductile Iron, Grooved .....	181.72	20.99
			<i>For Galvanized Fittings, Add</i>	36.06	
23 21 13 23-1473	EA		4" 90 Degree Long Radius Elbow, Ductile Iron, Grooved .....	266.62	27.71
			<i>For Galvanized Fittings, Add</i>	54.02	
23 21 13 23-1474	EA		5" 90 Degree Long Radius Elbow, Steel Grooved .....	1,205.69	34.62
			<i>For Galvanized Fittings, Add</i>	276.91	
23 21 13 23-1475	EA		6" 90 Degree Long Radius Elbow, Ductile Iron, Grooved .....	726.42	45.31
			<i>For Galvanized Fittings, Add</i>	158.04	
23 21 13 23-1476	EA		8" 90 Degree Long Radius Elbow, Ductile Iron, Grooved .....	1,660.40	53.91
			<i>For Galvanized Fittings, Add</i>	379.09	
23 21 13 23-1477	EA		10" 90 Degree Long Radius Elbow, Ductile Iron, Grooved .....	3,369.39	62.90
			<i>For Galvanized Fittings, Add</i>	786.02	
23 21 13 23-1478	EA		12" 90 Degree Long Radius Elbow, Ductile Iron, Grooved .....	4,018.72	75.49
			<i>For Galvanized Fittings, Add</i>	937.33	
23 21 13 23-1479			<b>Grooved Tees, Wyes And Crosses</b> (23 21 13 23-1393)		
23 21 13 23-1480			<b>Grooved Tees</b> (23 21 13 23-1479)		
			Note: Victaulic No. 20		
23 21 13 23-1481	EA		3/4" Tee, Ductile Iron, Grooved .....	114.46	9.32
			<i>For Galvanized Fittings, Add</i>	30.13	
23 21 13 23-1482	EA		1" Tee, Ductile Iron, Grooved .....	116.58	10.76
			<i>For Galvanized Fittings, Add</i>	30.13	
23 21 13 23-1483	EA		1-1/4" Tee, Ductile Iron, Grooved .....	120.16	13.17
			<i>For Galvanized Fittings, Add</i>	30.13	
23 21 13 23-1484	EA		1-1/2" Tee, Ductile Iron, Grooved .....	124.65	16.16
			<i>For Galvanized Fittings, Add</i>	30.13	
23 21 13 23-1485	EA		2" Tee, Ductile Iron, Grooved .....	131.77	20.92
			<i>For Galvanized Fittings, Add</i>	30.13	
23 21 13 23-1486	EA		2-1/2" Tee, Ductile Iron, Grooved .....	138.89	25.62
			<i>For Galvanized Fittings, Add</i>	30.13	
23 21 13 23-1487	EA		3" Tee, Ductile Iron, Grooved .....	187.88	31.48
			<i>For Galvanized Fittings, Add</i>	42.21	
23 21 13 23-1488	EA		4" Tee, Ductile Iron, Grooved .....	276.88	40.74
			<i>For Galvanized Fittings, Add</i>	64.75	
23 21 13 23-1489	EA		5" Tee, Ductile Iron, Grooved .....	586.20	53.26
			<i>For Galvanized Fittings, Add</i>	151.91	
23 21 13 23-1490	EA		6" Tee, Ductile Iron, Grooved .....	685.07	66.62
			<i>For Galvanized Fittings, Add</i>	175.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1491 EA 8" Tee, Ductile Iron, Grooved .....	1,399.58	80.90
For Galvanized Fittings, Add	383.50	
23 21 13 23-1492 EA 10" Tee, Ductile Iron, Grooved .....	2,424.18	94.33
For Galvanized Fittings, Add	684.82	
23 21 13 23-1493 EA 12" Tee, Ductile Iron, Grooved .....	3,365.56	113.23
For Galvanized Fittings, Add	958.74	
23 21 13 23-1494 EA 14" Tee, Steel, Grooved .....	3,674.95	125.81
For Galvanized Fittings, Add	1,045.90	
23 21 13 23-1495 EA 16" Tee, Steel, Grooved .....	4,630.62	126.53
For Galvanized Fittings, Add	1,332.28	
23 21 13 23-1496 EA 18" Tee, Steel, Grooved .....	5,770.76	139.57
For Galvanized Fittings, Add	1,668.46	
23 21 13 23-1497 EA 20" Tee, Steel, Grooved .....	8,181.29	141.79
For Galvanized Fittings, Add	2,390.63	
23 21 13 23-1498 EA 24" Tee, Steel, Grooved .....	12,504.83	174.18
For Galvanized Fittings, Add	3,673.10	
<b>23 21 13 23-1499 Grooved Wyes (90 Degree True Wye)</b> <small>(23 21 13 23-1479)</small>		
Note: Victaulic No. 33		
23 21 13 23-1500 EA 1" Wye, Steel, Grooved .....	439.92	10.76
For Galvanized Fittings, Add	67.80	
23 21 13 23-1501 EA 1-1/4" Wye, Steel, Grooved .....	443.50	13.17
For Galvanized Fittings, Add	67.80	
23 21 13 23-1502 EA 1-1/2" Wye, Steel, Grooved .....	447.99	16.16
For Galvanized Fittings, Add	67.80	
23 21 13 23-1503 EA 2" Wye, Steel, Grooved .....	455.11	20.92
For Galvanized Fittings, Add	67.80	
23 21 13 23-1504 EA 2-1/2" Wye, Steel, Grooved .....	462.23	25.62
For Galvanized Fittings, Add	67.80	
23 21 13 23-1505 EA 3" Wye, Steel, Grooved .....	553.75	31.48
For Galvanized Fittings, Add	81.05	
23 21 13 23-1506 EA 4" Wye, Steel, Grooved .....	724.57	40.74
For Galvanized Fittings, Add	106.16	
23 21 13 23-1507 EA 5" Wye, Steel, Grooved .....	1,030.90	53.26
For Galvanized Fittings, Add	152.17	
23 21 13 23-1508 EA 6" Wye, Steel, Grooved .....	1,276.58	66.62
For Galvanized Fittings, Add	188.28	
23 21 13 23-1509 EA 8" Wye, Steel, Grooved .....	1,816.06	80.90
For Galvanized Fittings, Add	271.17	
23 21 13 23-1510 EA 10" Wye, Steel, Grooved .....	3,066.66	94.33
For Galvanized Fittings, Add	468.03	
23 21 13 23-1511 EA 12" Wye, Steel, Grooved .....	3,401.42	113.23
For Galvanized Fittings, Add	517.07	
23 21 13 23-1512 EA 14" Wye, Steel, Grooved .....	3,878.82	125.81
For Galvanized Fittings, Add	590.43	
23 21 13 23-1513 EA 16" Wye, Steel, Grooved .....	4,982.60	126.40
For Galvanized Fittings, Add	766.90	
23 21 13 23-1514 EA 18" Wye, Steel, Grooved .....	5,692.21	139.70
For Galvanized Fittings, Add	877.24	
23 21 13 23-1515 EA 20" Wye, Steel, Grooved .....	8,164.02	141.52
For Galvanized Fittings, Add	1,272.29	
23 21 13 23-1516 EA 24" Wye, Steel, Grooved .....	12,624.03	174.18
For Galvanized Fittings, Add	1,978.06	
<b>23 21 13 23-1517 Grooved Crosses</b> <small>(23 21 13 23-1479)</small>		
Note: Victaulic No. 35		
23 21 13 23-1518 EA 3/4" Cross, Steel, Grooved .....	295.39	14.02
For Galvanized Fittings, Add	41.16	
23 21 13 23-1519 EA 1" Cross, Steel, Grooved .....	298.58	16.16
For Galvanized Fittings, Add	41.16	
23 21 13 23-1520 EA 1-1/4" Cross, Steel, Grooved .....	360.74	19.75
For Galvanized Fittings, Add	49.67	
23 21 13 23-1521 EA 1-1/2" Cross, Steel, Grooved .....	393.13	24.25
For Galvanized Fittings, Add	53.52	
23 21 13 23-1522 EA 2" Cross, Steel, Grooved .....	248.64	31.36
For Galvanized Fittings, Add	30.25	
23 21 13 23-1523 EA 2-1/2" Cross, Steel, Grooved .....	259.32	38.46
For Galvanized Fittings, Add	30.25	
23 21 13 23-1524 EA 3" Cross, Steel, Grooved .....	433.14	47.19
For Galvanized Fittings, Add	54.35	
23 21 13 23-1525 EA 4" Cross, Steel, Grooved .....	694.78	61.08
For Galvanized Fittings, Add	90.48	
23 21 13 23-1526 EA 5" Cross, Steel, Grooved .....	1,352.05	79.85
For Galvanized Fittings, Add	184.84	
23 21 13 23-1527 EA 6" Cross, Steel, Grooved .....	1,735.24	99.93
For Galvanized Fittings, Add	237.82	
23 21 13 23-1528 EA 8" Cross, Steel, Grooved .....	2,269.93	121.32
For Galvanized Fittings, Add	313.21	
23 21 13 23-1529 EA 10" Cross, Steel, Grooved .....	3,773.46	141.52
For Galvanized Fittings, Add	534.19	
23 21 13 23-1530 EA 12" Cross, Steel, Grooved .....	5,393.82	169.88
For Galvanized Fittings, Add	770.88	



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1531	EA	14" Cross, Steel, Grooved	5,607.40	188.72
			<i>For Galvanized Fittings, Add</i>	798.67	
23 21	13 23-1532	EA	16" Cross, Steel, Grooved	7,249.82	189.82
			<i>For Galvanized Fittings, Add</i>	1,044.79	
23 21	13 23-1533	EA	18" Cross, Steel, Grooved	8,851.58	209.32
			<i>For Galvanized Fittings, Add</i>	1,280.66	
23 21	13 23-1534	EA	20" Cross, Steel, Grooved	12,414.31	212.58
			<i>For Galvanized Fittings, Add</i>	1,814.34	
23 21	13 23-1535	EA	24" Cross, Steel, Grooved	19,064.66	261.28
			<i>For Galvanized Fittings, Add</i>	2,800.94	
<b>23 21</b>	<b>13 23-1536</b>		<b>Grooved Reducing Tees (23 21 13 23-1479)</b>		
			Note: Victaulic No. 25		
23 21	13 23-1537	EA	1" Reducing Tee, Steel, Grooved	209.94	10.76
			<i>For Galvanized Fittings, Add</i>	38.76	
23 21	13 23-1538	EA	1-1/4" Reducing Tee, Steel, Grooved	219.60	13.17
			<i>For Galvanized Fittings, Add</i>	39.98	
23 21	13 23-1539	EA	1-1/2" Reducing Tee, Steel, Grooved	229.07	16.16
			<i>For Galvanized Fittings, Add</i>	40.97	
23 21	13 23-1540	EA	2" Reducing Tee, Steel, Grooved	271.17	20.92
			<i>For Galvanized Fittings, Add</i>	47.97	
23 21	13 23-1541	EA	2-1/2" Reducing Tee, Steel, Grooved	302.97	25.62
			<i>For Galvanized Fittings, Add</i>	52.90	
23 21	13 23-1542	EA	3" Reducing Tee, Steel, Grooved	336.71	31.48
			<i>For Galvanized Fittings, Add</i>	57.91	
23 21	13 23-1543	EA	4" Reducing Tee, Steel, Grooved	451.53	40.74
			<i>For Galvanized Fittings, Add</i>	78.09	
23 21	13 23-1544	EA	5" Reducing Tee, Steel, Grooved	595.44	53.26
			<i>For Galvanized Fittings, Add</i>	103.12	
23 21	13 23-1545	EA	6" Reducing Tee, Steel, Grooved	825.16	66.62
			<i>For Galvanized Fittings, Add</i>	145.06	
23 21	13 23-1546	EA	8" Reducing Tee, Steel, Grooved	1,318.01	80.90
			<i>For Galvanized Fittings, Add</i>	239.35	
23 21	13 23-1547	EA	10" Reducing Tee, Steel, Grooved	1,905.72	94.33
			<i>For Galvanized Fittings, Add</i>	352.85	
23 21	13 23-1548	EA	12" Reducing Tee, Steel, Grooved	2,772.33	113.23
			<i>For Galvanized Fittings, Add</i>	520.51	
23 21	13 23-1549	EA	14" Reducing Tee, Steel, Grooved	3,144.59	125.81
			<i>For Galvanized Fittings, Add</i>	591.19	
23 21	13 23-1550	EA	16" Reducing Tee, Steel, Grooved	4,029.44	126.53
			<i>For Galvanized Fittings, Add</i>	767.94	
23 21	13 23-1551	EA	18" Reducing Tee, Steel, Grooved	4,909.99	139.57
			<i>For Galvanized Fittings, Add</i>	940.16	
23 21	13 23-1552	EA	20" Reducing Tee, Steel, Grooved	6,935.45	141.71
			<i>For Galvanized Fittings, Add</i>	1,344.59	
23 21	13 23-1553	EA	24" Reducing Tee, Steel, Grooved	11,090.49	174.18
			<i>For Galvanized Fittings, Add</i>	2,165.86	
<b>23 21</b>	<b>13 23-1554</b>		<b>Grooved 45 Degree Lateral Wyes (23 21 13 23-1479)</b>		
			Note: Victaulic No. 30		
23 21	13 23-1555	EA	3/4" 45 Degree Lateral Wye, Steel, Grooved	415.35	9.32
			<i>For Galvanized Fittings, Add</i>	72.24	
23 21	13 23-1556	EA	1" 45 Degree Lateral Wye, Steel, Grooved	417.47	10.76
			<i>For Galvanized Fittings, Add</i>	72.24	
23 21	13 23-1557	EA	1-1/4" 45 Degree Lateral Wye, Steel, Grooved	421.05	13.17
			<i>For Galvanized Fittings, Add</i>	72.24	
23 21	13 23-1558	EA	1-1/2" 45 Degree Lateral Wye, Steel, Grooved	425.54	16.16
			<i>For Galvanized Fittings, Add</i>	72.24	
23 21	13 23-1559	EA	2" 45 Degree Lateral Wye, Steel, Grooved	432.66	20.92
			<i>For Galvanized Fittings, Add</i>	72.24	
23 21	13 23-1560	EA	2-1/2" Wye, 45 Degree Lateral, Steel, Grooved	439.78	25.62
			<i>For Galvanized Fittings, Add</i>	72.24	
23 21	13 23-1561	EA	3" Wye, 45 Degree Lateral, Steel, Grooved	393.89	31.48
			<i>For Galvanized Fittings, Add</i>	62.41	
23 21	13 23-1562	EA	3-1/2" Wye, 45 Degree Lateral, Steel, Grooved	641.79	36.31
			<i>For Galvanized Fittings, Add</i>	105.73	
23 21	13 23-1563	EA	4" 45 Degree Lateral Wye, Steel, Grooved	744.82	40.74
			<i>For Galvanized Fittings, Add</i>	123.08	
23 21	13 23-1564	EA	5" 45 Degree Lateral Wye, Steel, Grooved	1,079.14	53.26
			<i>For Galvanized Fittings, Add</i>	179.87	
23 21	13 23-1565	EA	6" 45 Degree Lateral Wye, Steel, Grooved	1,709.89	66.62
			<i>For Galvanized Fittings, Add</i>	289.81	
23 21	13 23-1566	EA	8" 45 Degree Lateral Wye, Steel, Grooved	2,440.30	80.90
			<i>For Galvanized Fittings, Add</i>	417.43	
23 21	13 23-1567	EA	10" 45 Degree Lateral Wye, Steel, Grooved	3,414.73	94.33
			<i>For Galvanized Fittings, Add</i>	589.19	
23 21	13 23-1568	EA	12" 45 Degree Lateral Wye, Steel, Grooved	4,127.30	113.23
			<i>For Galvanized Fittings, Add</i>	712.36	
23 21	13 23-1569	EA	14" 45 Degree Lateral Wye, Steel, Grooved	5,964.90	125.81
			<i>For Galvanized Fittings, Add</i>	1,039.73	
23 21	13 23-1570	EA	16" 45 Degree Lateral Wye, Steel, Grooved	7,405.85	126.53
			<i>For Galvanized Fittings, Add</i>	1,298.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1571 EA 18" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	8,275.96 1,452.02	139.57
23 21 13 23-1572 EA 20" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	12,448.40 2,202.47	141.71
23 21 13 23-1573 EA 24" 45 Degree Lateral Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	19,274.88 3,422.47	174.18
<b>23 21 13 23-1574 Grooved 45 Degree Lateral Reducing Wyes</b> <small>(23 21 13 23-1479)</small> Note: Victaulic No. 30R		
23 21 13 23-1575 EA 3" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	393.89 45.07	31.48
23 21 13 23-1576 EA 4" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	744.82 88.89	40.74
23 21 13 23-1577 EA 5" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	1,079.14 129.91	53.26
23 21 13 23-1578 EA 6" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	1,390.94 167.84	66.62
23 21 13 23-1579 EA 8" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	1,985.06 242.29	80.90
23 21 13 23-1580 EA 10" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	2,424.09 296.74	94.33
23 21 13 23-1581 EA 12" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	2,943.72 360.61	113.23
23 21 13 23-1582 EA 14" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	3,296.15 403.98	125.81
23 21 13 23-1583 EA 16" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	4,206.48 522.18	126.53
23 21 13 23-1584 EA 18" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	6,376.95 801.81	139.57
23 21 13 23-1585 EA 20" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	9,240.45 1,173.64	141.71
23 21 13 23-1586 EA 24" 45 Degree Lateral Reducing Wye, Steel, Grooved..... <i>For Galvanized Fittings, Add</i>	14,877.79 1,900.16	174.18
<b>23 21 13 23-1587 Mechanical-T Outlet</b> <small>(23 21 13 23-1479)</small> Note: Includes making opening in pipe. Grooved or treaded branch outlets. Victaulic Styles 920 or 921.		
23 21 13 23-1588 EA 2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet..... <i>For Galvanized Fittings, Add</i>	113.68 16.55	23.46
23 21 13 23-1589 EA 2" x 1" Mechanical-T Outlet With Threaded Branch Outlet..... <i>For Galvanized Fittings, Add</i>	113.68 16.55	23.46
23 21 13 23-1590 EA 2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet..... <i>For Galvanized Fittings, Add</i>	124.10 19.14	23.46
23 21 13 23-1591 EA 2" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet.....	124.10	23.46
23 21 13 23-1592 EA 2-1/2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	119.54	26.40
23 21 13 23-1593 EA 2-1/2" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	119.54	26.40
23 21 13 23-1594 EA 2-1/2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	147.05	26.40
23 21 13 23-1595 EA 3" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	135.52	29.33
23 21 13 23-1596 EA 3" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	135.52	29.33
23 21 13 23-1597 EA 3" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	157.67	29.33
23 21 13 23-1598 EA 3" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet.....	157.67	29.33
23 21 13 23-1599 EA 3" x 2" Mechanical-T Outlet With Threaded Branch Outlet.....	172.84	29.33
23 21 13 23-1600 EA 4" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	176.22	39.11
23 21 13 23-1601 EA 4" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	176.22	39.11
23 21 13 23-1602 EA 4" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	193.51	39.11
23 21 13 23-1603 EA 4" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	198.37	39.11
23 21 13 23-1604 EA 4" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	198.37	39.11
23 21 13 23-1605 EA 4" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	203.22	39.11
23 21 13 23-1606 EA 4" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	212.52	39.11
23 21 13 23-1607 EA 5" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	255.10	53.78
23 21 13 23-1608 EA 5" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	255.10	53.78
23 21 13 23-1609 EA 5" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	263.49	53.78
23 21 13 23-1610 EA 5" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	274.01	53.78
23 21 13 23-1611 EA 6" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	287.87	68.45
23 21 13 23-1612 EA 6" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	287.87	68.45
23 21 13 23-1613 EA 6" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	300.21	68.45
23 21 13 23-1614 EA 6" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	310.62	68.45
23 21 13 23-1615 EA 6" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	329.13	68.45
23 21 13 23-1616 EA 8" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	448.39	90.61
23 21 13 23-1617 EA 8" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	448.39	90.61
23 21 13 23-1618 EA 8" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	463.25	90.61
23 21 13 23-1619 EA 8" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	472.05	90.61
<b>23 21 13 23-1620 Installation-Ready™ Grooved Fittings</b> <small>(23 21 13 23-1393)</small>		
<b>23 21 13 23-1621 Installation-Ready™ 90 Degree Grooved Elbows</b> <small>(23 21 13 23-1620)</small> Note: Victaulic No. 101		
23 21 13 23-1622 EA 1-1/4" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	148.45 45.76 35.50	6.45

**23 Heating, Ventilating, And Air-Conditioning (HVAC)**

**23 20 HVAC Piping And Pumps**

**23 21 Hydronic Piping And Pumps**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1623	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow .....	154.49	7.74
			<i>For Galvanized Fittings, Add</i>	47.11	
			<i>For Galvanized Fittings, Add</i>	36.54	
23 21	13 23-1624	EA	2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow .....	159.41	10.33
			<i>For Galvanized Fittings, Add</i>	47.44	
			<i>For Galvanized Fittings, Add</i>	36.80	
23 21	13 23-1625	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow .....	192.88	12.91
			<i>For Galvanized Fittings, Add</i>	57.20	
			<i>For Galvanized Fittings, Add</i>	44.37	
<b>23 21</b>	<b>13 23-1626</b>		<b>Installation-Ready™ 45 Degree Grooved Elbows</b> <small>(23 21 13 23-1620)</small>		
			Note: Victaulic No. 103		
23 21	13 23-1627	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow .....	148.45	6.45
			<i>For Galvanized Fittings, Add</i>	33.28	
			<i>For Galvanized Fittings, Add</i>	35.50	
23 21	13 23-1628	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow .....	154.49	7.74
			<i>For Galvanized Fittings, Add</i>	34.26	
			<i>For Galvanized Fittings, Add</i>	36.54	
23 21	13 23-1629	EA	2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow .....	159.41	10.33
			<i>For Galvanized Fittings, Add</i>	34.50	
			<i>For Galvanized Fittings, Add</i>	36.80	
23 21	13 23-1630	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow .....	192.88	12.91
			<i>For Galvanized Fittings, Add</i>	41.60	
			<i>For Galvanized Fittings, Add</i>	44.37	
<b>23 21</b>	<b>13 23-1631</b>		<b>Installation-Ready™ Grooved Tees</b> <small>(23 21 13 23-1620)</small>		
			Note: Victaulic No. 102		
23 21	13 23-1632	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ Tee .....	227.16	8.60
			<i>For Galvanized Fittings, Add</i>	64.24	
			<i>For Galvanized Fittings, Add</i>	54.81	
23 21	13 23-1633	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee .....	236.91	10.33
			<i>For Galvanized Fittings, Add</i>	66.38	
			<i>For Galvanized Fittings, Add</i>	56.64	
23 21	13 23-1634	EA	2" Ductile Iron, Grooved, Installation-Ready™ Tee .....	245.17	13.76
			<i>For Galvanized Fittings, Add</i>	67.29	
			<i>For Galvanized Fittings, Add</i>	57.42	
23 21	13 23-1635	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee .....	285.06	17.21
			<i>For Galvanized Fittings, Add</i>	77.69	
			<i>For Galvanized Fittings, Add</i>	66.30	
<b>23 21</b>	<b>13 23-1636</b>		<b>Grooved Fittings</b> <small>(23 21 13 23-1393)</small>		
<b>23 21</b>	<b>13 23-1637</b>		<b>Flanged Adapter Nipple, Grooved</b> <small>(23 21 13 23-1636)</small>		
			Note: Victaulic No. 41 and 45		
23 21	13 23-1638	EA	1" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 .....	294.18	7.82
			<i>For Galvanized Fittings, Add</i>	50.84	
			<i>For 300 LB Rating, Add</i>	42.37	
23 21	13 23-1639	EA	1-1/4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 .....	295.48	8.67
			<i>For Galvanized Fittings, Add</i>	50.84	
			<i>For 300 LB Rating, Add</i>	42.37	
23 21	13 23-1640	EA	1-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 .....	298.74	10.89
			<i>For Galvanized Fittings, Add</i>	50.84	
			<i>For 300 LB Rating, Add</i>	42.37	
23 21	13 23-1641	EA	2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 .....	305.59	15.45
			<i>For Galvanized Fittings, Add</i>	50.84	
			<i>For 300 LB Rating, Add</i>	42.37	
23 21	13 23-1642	EA	2-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 .....	310.49	18.71
			<i>For Galvanized Fittings, Add</i>	50.84	
			<i>For 300 LB Rating, Add</i>	42.37	
23 21	13 23-1643	EA	3" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 .....	394.88	22.36
			<i>For Galvanized Fittings, Add</i>	65.05	
			<i>For 300 LB Rating, Add</i>	54.21	
23 21	13 23-1644	EA	4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 .....	476.13	30.12
			<i>For Galvanized Fittings, Add</i>	77.58	
			<i>For 300 LB Rating, Add</i>	64.65	
23 21	13 23-1645	EA	5" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 .....	670.50	36.44
			<i>For Galvanized Fittings, Add</i>	110.86	
			<i>For 300 LB Rating, Add</i>	92.38	
23 21	13 23-1646	EA	6" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 .....	776.48	49.22
			<i>For Galvanized Fittings, Add</i>	126.48	
			<i>For 300 LB Rating, Add</i>	105.40	
23 21	13 23-1647	EA	8" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 .....	1,069.78	66.62
			<i>For Galvanized Fittings, Add</i>	174.59	
			<i>For 300 LB Rating, Add</i>	145.49	
23 21	13 23-1648	EA	10" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 .....	1,704.03	80.90
			<i>For Galvanized Fittings, Add</i>	284.90	
			<i>For 300 LB Rating, Add</i>	237.42	
23 21	13 23-1649	EA	12" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 .....	2,305.60	94.33
			<i>For Galvanized Fittings, Add</i>	389.55	
			<i>For 300 LB Rating, Add</i>	324.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1650 EA 14" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	2,721.87 459.38 382.82	113.23
23 21 13 23-1651 EA 16" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	4,118.92 707.45 589.55	125.81
23 21 13 23-1652 EA 18" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	4,899.40 830.96 692.47	188.72
23 21 13 23-1653 EA 20" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	5,151.37 866.13 721.78	226.47
23 21 13 23-1654 EA 24" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	8,678.28 1,494.19 1,245.15	251.63
<b>23 21 13 23-1655 Grooved Concentric Reducers</b> <small>(23 21 13 23-1636)</small> Note: Victaulic No. 50		
23 21 13 23-1656 EA 1-1/4" x 3/4" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	312.99 13.26	7.82
23 21 13 23-1657 EA 1-1/4" x 1" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	327.20 13.85	8.28
23 21 13 23-1658 EA 1-1/2" x 3/4" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	368.92 42.74	8.93
23 21 13 23-1659 EA 1-1/2" x 1" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	90.16 9.15	9.32
23 21 13 23-1660 EA 1-1/2" x 1-1/4" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	309.38 35.42	9.78
23 21 13 23-1661 EA 2" x 3/4" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	92.11 9.15	10.63
23 21 13 23-1662 EA 2" x 1" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	92.76 9.15	11.08
23 21 13 23-1663 EA 2" x 1-1/4" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	101.06 10.07	11.54
23 21 13 23-1664 EA 2" x 1-1/2" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	95.41 9.15	12.85
23 21 13 23-1665 EA 2-1/2" x 3/4" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	637.67 74.49	12.00
23 21 13 23-1666 EA 2-1/2" x 1" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	504.74 58.43	12.45
23 21 13 23-1667 EA 2-1/2" x 1-1/4" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	459.32 52.89	12.85
23 21 13 23-1668 EA 2-1/2" x 1-1/2" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	97.33 9.15	14.15
23 21 13 23-1669 EA 2-1/2" x 2" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	99.93 9.15	15.84
23 21 13 23-1670 EA 3" x 3/4" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	644.61 94.81	13.95
23 21 13 23-1671 EA 3" x 1" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	105.57 12.78	14.34
23 21 13 23-1672 EA 3" x 1-1/4" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	505.24 73.43	14.80
23 21 13 23-1673 EA 3" x 1-1/2" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	472.69 68.23	15.84
23 21 13 23-1674 EA 3" x 2" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	93.19 10.15	17.60
23 21 13 23-1675 EA 3" x 2-1/2" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	123.48 13.99	20.99
23 21 13 23-1676 EA 3-1/2" x 3" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	131.96 14.91	22.62
23 21 13 23-1677 EA 4" x 1" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	127.82 17.34	17.80
23 21 13 23-1678 EA 4" x 1-1/4" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	826.51 137.05	18.25
23 21 13 23-1679 EA 4" x 1-1/2" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	639.95 104.78	19.36
23 21 13 23-1680 EA 4" x 2" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	120.54 15.25	21.13
23 21 13 23-1681 EA 4" x 2-1/2" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	145.35 19.11	22.62
23 21 13 23-1682 EA 4" x 3" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	147.95 19.11	24.38
23 21 13 23-1683 EA 4" x 3-1/2" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	150.56 19.11	26.08
23 21 13 23-1684 EA 5" x 2" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	1,161.46 192.87	24.57
23 21 13 23-1685 EA 5" x 2-1/2" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	911.67 149.64	26.08
23 21 13 23-1686 EA 5" x 3" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	172.19 22.37	27.83
23 21 13 23-1687 EA 5" x 4" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	202.74 26.72	31.29
23 21 13 23-1688 EA 6" x 1" Concentric Reducer, Grooved..... <i>For Galvanized Fittings, Add</i>	246.97 38.66	26.53

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1689	EA	6" x 1-1/2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,224.50 220.65	28.03
23 21	13 23-1690	EA	6" x 2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	251.85 38.66	29.79
23 21	13 23-1691	EA	6" x 2-1/2" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,236.13 221.90	31.29
23 21	13 23-1692	EA	6" x 3" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	256.75 38.66	33.05
23 21	13 23-1693	EA	6" x 4" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	235.21 33.67	36.50
23 21	13 23-1694	EA	6" x 5" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	326.93 49.81	40.02
23 21	13 23-1695	EA	8" x 3" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	426.31 69.09	37.42
23 21	13 23-1696	EA	8" x 4" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	431.52 69.09	40.87
23 21	13 23-1697	EA	8" x 5" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	436.74 69.09	44.33
23 21	13 23-1698	EA	8" x 6" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	546.46 88.10	49.54
23 21	13 23-1699	EA	10" x 4" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	949.64 164.49	45.44
23 21	13 23-1700	EA	10" x 5" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	2,016.51 362.59	48.90
23 21	13 23-1701	EA	10" x 6" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,045.15 179.88	54.11
23 21	13 23-1702	EA	10" x 8" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,051.66 179.88	58.47
23 21	13 23-1703	EA	12" x 4" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	2,995.67 437.72	51.76
23 21	13 23-1704	EA	12" x 6" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,240.35 172.46	60.43
23 21	13 23-1705	EA	12" x 8" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,824.24 259.07	64.80
23 21	13 23-1706	EA	12" x 10" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	1,831.11 259.07	69.36
23 21	13 23-1707	EA	14" x 6" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	5,957.72 179.90	65.12
23 21	13 23-1708	EA	14" x 8" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	3,543.84 105.60	69.49
23 21	13 23-1709	EA	14" x 10" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	3,015.24 89.16	74.05
23 21	13 23-1710	EA	14" x 12" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	3,024.68 89.16	80.32
23 21	13 23-1711	EA	16" x 8" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	5,410.78 162.70	74.11
23 21	13 23-1712	EA	16" x 10" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	5,017.81 150.42	78.68
23 21	13 23-1713	EA	16" x 12" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	4,635.35 138.39	85.00
23 21	13 23-1714	EA	16" x 14" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	4,642.39 138.39	89.70
23 21	13 23-1715	EA	18" x 10" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	7,043.40 212.41	83.05
23 21	13 23-1716	EA	18" x 12" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	6,372.37 191.52	89.31
23 21	13 23-1717	EA	18" x 14" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	5,788.61 173.38	94.00
23 21	13 23-1718	EA	18" x 16" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	5,795.65 173.38	98.76
23 21	13 23-1719	EA	20" x 10" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	7,754.63 234.15	85.20
23 21	13 23-1720	EA	20" x 12" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	6,639.67 199.63	91.53
23 21	13 23-1721	EA	20" x 14" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	6,646.72 199.63	96.22
23 21	13 23-1722	EA	20" x 16" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	5,920.01 177.10	100.85
23 21	13 23-1723	EA	20" x 18" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	6,309.53 188.86	105.21
23 21	13 23-1724	EA	24" x 10" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	17,137.60 521.76	94.79
23 21	13 23-1725	EA	24" x 12" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	16,736.63 509.16	101.11
23 21	13 23-1726	EA	24" x 14" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	14,578.01 442.68	105.74
23 21	13 23-1727	EA	24" x 16" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	14,585.10 442.68	110.50
23 21	13 23-1728	EA	24" x 18" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	12,479.93 377.85	114.79
23 21	13 23-1729	EA	24" x 20" Concentric Reducer, Grooved <i>For Galvanized Fittings, Add</i>	11,393.04 344.38	117.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 21 13 23-1730 Grooved Eccentric Reducers</b> <small>(23 21 13 23-1636)</small>		
<i>Note: Victaulic No. 51</i>		
23 21 13 23-1731 EA 1-1/2" x 3/4" Eccentric Reducer, Grooved	381.19	8.93
<i>For Galvanized Fittings, Add</i>	<i>44.21</i>	
23 21 13 23-1732 EA 1-1/2" x 1" Eccentric Reducer, Grooved	346.04	9.32
<i>For Galvanized Fittings, Add</i>	<i>39.91</i>	
23 21 13 23-1733 EA 1-1/2" x 1-1/4" Eccentric Reducer, Grooved	339.45	9.78
<i>For Galvanized Fittings, Add</i>	<i>39.04</i>	
23 21 13 23-1734 EA 2" x 3/4" Eccentric Reducer, Grooved	730.71	10.63
<i>For Galvanized Fittings, Add</i>	<i>85.91</i>	
23 21 13 23-1735 EA 2" x 1" Eccentric Reducer, Grooved	383.25	11.08
<i>For Galvanized Fittings, Add</i>	<i>44.07</i>	
23 21 13 23-1736 EA 2" x 1-1/4" Eccentric Reducer, Grooved	419.20	11.54
<i>For Galvanized Fittings, Add</i>	<i>48.31</i>	
23 21 13 23-1737 EA 2" x 1-1/2" Eccentric Reducer, Grooved	355.72	12.85
<i>For Galvanized Fittings, Add</i>	<i>40.44</i>	
23 21 13 23-1738 EA 2-1/2" x 3/4" Eccentric Reducer, Grooved	950.99	12.00
<i>For Galvanized Fittings, Add</i>	<i>112.15</i>	
23 21 13 23-1739 EA 2-1/2" x 1" Eccentric Reducer, Grooved	887.86	12.45
<i>For Galvanized Fittings, Add</i>	<i>104.48</i>	
23 21 13 23-1740 EA 2-1/2" x 1-1/4" Eccentric Reducer, Grooved	524.10	12.85
<i>For Galvanized Fittings, Add</i>	<i>60.68</i>	
23 21 13 23-1741 EA 2-1/2" x 1-1/2" Eccentric Reducer, Grooved	421.21	14.15
<i>For Galvanized Fittings, Add</i>	<i>48.08</i>	
23 21 13 23-1742 EA 2-1/2" x 2" Eccentric Reducer, Grooved	184.92	15.84
<i>For Galvanized Fittings, Add</i>	<i>19.37</i>	
23 21 13 23-1743 EA 3" x 1" Eccentric Reducer, Grooved	953.88	14.34
<i>For Galvanized Fittings, Add</i>	<i>112.07</i>	
23 21 13 23-1744 EA 3" x 1-1/4" Eccentric Reducer, Grooved	866.23	14.80
<i>For Galvanized Fittings, Add</i>	<i>101.46</i>	
23 21 13 23-1745 EA 3" x 1-1/2" Eccentric Reducer, Grooved	486.47	15.84
<i>For Galvanized Fittings, Add</i>	<i>55.61</i>	
23 21 13 23-1746 EA 3" x 2" Eccentric Reducer, Grooved	211.57	17.60
<i>For Galvanized Fittings, Add</i>	<i>22.26</i>	
23 21 13 23-1747 EA 3" x 2-1/2" Eccentric Reducer, Grooved	216.62	20.99
<i>For Galvanized Fittings, Add</i>	<i>22.26</i>	
23 21 13 23-1748 EA 3-1/2" x 3" Eccentric Reducer, Grooved	1,058.33	22.62
<i>For Galvanized Fittings, Add</i>	<i>123.14</i>	
23 21 13 23-1749 EA 4" x 1" Eccentric Reducer, Grooved	1,916.68	17.80
<i>For Galvanized Fittings, Add</i>	<i>324.13</i>	
23 21 13 23-1750 EA 4" x 1-1/2" Eccentric Reducer, Grooved	1,172.04	19.36
<i>For Galvanized Fittings, Add</i>	<i>196.03</i>	
23 21 13 23-1751 EA 4" x 2" Eccentric Reducer, Grooved	258.03	21.13
<i>For Galvanized Fittings, Add</i>	<i>38.83</i>	
23 21 13 23-1752 EA 4" x 2-1/2" Eccentric Reducer, Grooved	260.31	22.62
<i>For Galvanized Fittings, Add</i>	<i>38.83</i>	
23 21 13 23-1753 EA 4" x 3" Eccentric Reducer, Grooved	262.91	24.38
<i>For Galvanized Fittings, Add</i>	<i>38.83</i>	
23 21 13 23-1754 EA 5" x 2" Eccentric Reducer, Grooved	1,297.25	24.57
<i>For Galvanized Fittings, Add</i>	<i>216.16</i>	
23 21 13 23-1755 EA 5" x 2-1/2" Eccentric Reducer, Grooved	1,112.93	26.08
<i>For Galvanized Fittings, Add</i>	<i>184.16</i>	
23 21 13 23-1756 EA 5" x 3" Eccentric Reducer, Grooved	1,078.94	27.83
<i>For Galvanized Fittings, Add</i>	<i>177.88</i>	
23 21 13 23-1757 EA 5" x 4" Eccentric Reducer, Grooved	355.33	31.29
<i>For Galvanized Fittings, Add</i>	<i>52.89</i>	
23 21 13 23-1758 EA 6" x 1" Eccentric Reducer, Grooved	1,999.13	26.53
<i>For Galvanized Fittings, Add</i>	<i>365.62</i>	
23 21 13 23-1759 EA 6" x 2" Eccentric Reducer, Grooved	1,831.51	29.79
<i>For Galvanized Fittings, Add</i>	<i>333.43</i>	
23 21 13 23-1760 EA 6" x 2-1/2" Eccentric Reducer, Grooved	2,174.67	31.29
<i>For Galvanized Fittings, Add</i>	<i>397.03</i>	
23 21 13 23-1761 EA 6" x 3" Eccentric Reducer, Grooved	460.13	33.05
<i>For Galvanized Fittings, Add</i>	<i>76.61</i>	
23 21 13 23-1762 EA 6" x 4" Eccentric Reducer, Grooved	414.14	36.50
<i>For Galvanized Fittings, Add</i>	<i>67.06</i>	
23 21 13 23-1763 EA 6" x 5" Eccentric Reducer, Grooved	491.08	40.02
<i>For Galvanized Fittings, Add</i>	<i>80.44</i>	
23 21 13 23-1764 EA 8" x 3" Eccentric Reducer, Grooved	2,132.19	37.42
<i>For Galvanized Fittings, Add</i>	<i>387.41</i>	
23 21 13 23-1765 EA 8" x 4" Eccentric Reducer, Grooved	1,875.69	40.87
<i>For Galvanized Fittings, Add</i>	<i>338.57</i>	
23 21 13 23-1766 EA 8" x 5" Eccentric Reducer, Grooved	1,755.78	44.33
<i>For Galvanized Fittings, Add</i>	<i>315.22</i>	
23 21 13 23-1767 EA 8" x 6" Eccentric Reducer, Grooved	803.04	49.54
<i>For Galvanized Fittings, Add</i>	<i>135.98</i>	
23 21 13 23-1768 EA 10" x 4" Eccentric Reducer, Grooved	3,397.63	45.44
<i>For Galvanized Fittings, Add</i>	<i>621.28</i>	
23 21 13 23-1769 EA 10" x 5" Eccentric Reducer, Grooved	3,210.23	48.90
<i>For Galvanized Fittings, Add</i>	<i>585.34</i>	
23 21 13 23-1770 EA 10" x 6" Eccentric Reducer, Grooved	2,446.67	54.11
<i>For Galvanized Fittings, Add</i>	<i>441.40</i>	
23 21 13 23-1771 EA 10" x 8" Eccentric Reducer, Grooved	2,089.77	58.47
<i>For Galvanized Fittings, Add</i>	<i>373.59</i>	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1772	EA	12" x 4" Eccentric Reducer, Grooved.....	3,463.08	51.76
			<i>For Galvanized Fittings, Add</i>	510.87	
23 21	13 23-1773	EA	12" x 6" Eccentric Reducer, Grooved.....	3,250.71	60.43
			<i>For Galvanized Fittings, Add</i>	476.86	
23 21	13 23-1774	EA	12" x 8" Eccentric Reducer, Grooved.....	3,176.38	64.80
			<i>For Galvanized Fittings, Add</i>	464.66	
23 21	13 23-1775	EA	12" x 10" Eccentric Reducer, Grooved.....	2,862.09	69.36
			<i>For Galvanized Fittings, Add</i>	416.20	
23 21	13 23-1776	EA	14" x 6" Eccentric Reducer, Grooved.....	8,071.17	65.12
			<i>For Galvanized Fittings, Add</i>	244.79	
23 21	13 23-1777	EA	14" x 8" Eccentric Reducer, Grooved.....	5,201.85	69.49
			<i>For Galvanized Fittings, Add</i>	156.50	
23 21	13 23-1778	EA	14" x 10" Eccentric Reducer, Grooved.....	4,963.64	74.05
			<i>For Galvanized Fittings, Add</i>	148.98	
23 21	13 23-1779	EA	14" x 12" Eccentric Reducer, Grooved.....	4,973.08	80.32
			<i>For Galvanized Fittings, Add</i>	148.98	
23 21	13 23-1780	EA	16" x 8" Eccentric Reducer, Grooved.....	8,916.90	74.11
			<i>For Galvanized Fittings, Add</i>	270.34	
23 21	13 23-1781	EA	16" x 10" Eccentric Reducer, Grooved.....	8,255.17	78.68
			<i>For Galvanized Fittings, Add</i>	249.81	
23 21	13 23-1782	EA	16" x 12" Eccentric Reducer, Grooved.....	7,773.44	85.00
			<i>For Galvanized Fittings, Add</i>	234.73	
23 21	13 23-1783	EA	16" x 14" Eccentric Reducer, Grooved.....	7,780.48	89.70
			<i>For Galvanized Fittings, Add</i>	234.73	
23 21	13 23-1784	EA	18" x 10" Eccentric Reducer, Grooved.....	11,191.85	83.05
			<i>For Galvanized Fittings, Add</i>	339.77	
23 21	13 23-1785	EA	18" x 12" Eccentric Reducer, Grooved.....	10,526.14	89.31
			<i>For Galvanized Fittings, Add</i>	319.04	
23 21	13 23-1786	EA	18" x 14" Eccentric Reducer, Grooved.....	9,582.81	94.00
			<i>For Galvanized Fittings, Add</i>	289.86	
23 21	13 23-1787	EA	18" x 16" Eccentric Reducer, Grooved.....	9,589.85	98.76
			<i>For Galvanized Fittings, Add</i>	289.86	
23 21	13 23-1788	EA	20" x 10" Eccentric Reducer, Grooved.....	14,711.85	85.20
			<i>For Galvanized Fittings, Add</i>	447.73	
23 21	13 23-1789	EA	20" x 12" Eccentric Reducer, Grooved.....	10,924.91	91.53
			<i>For Galvanized Fittings, Add</i>	331.18	
23 21	13 23-1790	EA	20" x 14" Eccentric Reducer, Grooved.....	10,257.55	96.22
			<i>For Galvanized Fittings, Add</i>	310.48	
23 21	13 23-1791	EA	20" x 16" Eccentric Reducer, Grooved.....	10,100.84	100.85
			<i>For Galvanized Fittings, Add</i>	305.45	
23 21	13 23-1792	EA	20" x 18" Eccentric Reducer, Grooved.....	9,726.23	105.21
			<i>For Galvanized Fittings, Add</i>	293.75	
23 21	13 23-1793	EA	24" x 12" Eccentric Reducer, Grooved.....	21,263.97	101.11
			<i>For Galvanized Fittings, Add</i>	648.15	
23 21	13 23-1794	EA	24" x 14" Eccentric Reducer, Grooved.....	18,152.32	105.74
			<i>For Galvanized Fittings, Add</i>	552.41	
23 21	13 23-1795	EA	24" x 16" Eccentric Reducer, Grooved.....	18,159.41	110.50
			<i>For Galvanized Fittings, Add</i>	552.41	
23 21	13 23-1796	EA	24" x 18" Eccentric Reducer, Grooved.....	17,144.46	114.79
			<i>For Galvanized Fittings, Add</i>	521.05	
23 21	13 23-1797	EA	24" x 20" Eccentric Reducer, Grooved.....	15,663.59	117.01
			<i>For Galvanized Fittings, Add</i>	475.49	
23 21	13 23-1798		<b>Close Nipple, Grooved</b> <small>(23 21 13 23-1636)</small>		
			Note: Victaulic No. 143		
23 21	13 23-1799	EA	1-1/4" Ductile Iron, Grooved, Close Nipple .....	35.81	8.60
			<i>For Galvanized Fittings, Add</i>	4.10	
			<i>For 300 LB Rating, Add</i>	3.42	
			<i>For Galvanized Fittings, Add</i>	5.83	
23 21	13 23-1800	EA	1-1/2" Ductile Iron, Grooved, Close Nipple .....	41.11	10.76
			<i>For Galvanized Fittings, Add</i>	4.47	
			<i>For 300 LB Rating, Add</i>	3.72	
			<i>For Galvanized Fittings, Add</i>	6.35	
23 21	13 23-1801	EA	2" Ductile Iron, Grooved, Close Nipple.....	51.42	14.20
			<i>For Galvanized Fittings, Add</i>	5.38	
			<i>For 300 LB Rating, Add</i>	4.49	
			<i>For Galvanized Fittings, Add</i>	7.66	
23 21	13 23-1802	EA	2-1/2" Ductile Iron, Grooved, Close Nipple .....	61.43	17.21
			<i>For Galvanized Fittings, Add</i>	6.36	
			<i>For 300 LB Rating, Add</i>	5.30	
			<i>For Galvanized Fittings, Add</i>	9.05	
23 21	13 23-1803		<b>Grooved Couplings</b> <small>(23 21 13 23-1393)</small>		
23 21	13 23-1804		<b>Flexible Grooved Coupling</b> <small>(23 21 13 23-1803)</small>		
			Note: Victaulic Style 77		
23 21	13 23-1805	EA	3/4" Standard Coupling, Grooved .....	41.52	3.52
			<i>For Galvanized Fittings, Add</i>	10.14	
23 21	13 23-1806	EA	1" Standard Coupling, Grooved .....	41.52	3.52
			<i>For Galvanized Fittings, Add</i>	10.14	
23 21	13 23-1807	EA	1-1/4" Standard Coupling, Grooved .....	54.81	4.44
			<i>For Galvanized Fittings, Add</i>	13.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1808 EA 1-1/2" Standard Coupling, Grooved.....	60.58	5.28
For Galvanized Fittings, Add	14.74	
23 21 13 23-1809 EA 2" Standard Coupling, Grooved.....	66.27	7.11
For Galvanized Fittings, Add	15.57	
23 21 13 23-1810 EA 2-1/2" Standard Coupling, Grooved.....	79.55	8.67
For Galvanized Fittings, Add	18.64	
23 21 13 23-1811 EA 3" Standard Coupling, Grooved.....	82.06	10.37
For Galvanized Fittings, Add	18.64	
23 21 13 23-1812 EA 3-1/2" Standard Coupling, Grooved.....	125.47	12.12
For Galvanized Fittings, Add	30.03	
23 21 13 23-1813 EA 4" Standard Coupling, Grooved.....	128.02	13.82
For Galvanized Fittings, Add	30.03	
23 21 13 23-1814 EA 5" Standard Coupling, Grooved.....	190.40	17.34
For Galvanized Fittings, Add	46.04	
23 21 13 23-1815 EA 6" Standard Coupling, Grooved.....	228.33	22.62
For Galvanized Fittings, Add	54.43	
23 21 13 23-1816 EA 8" Standard Coupling, Grooved.....	357.28	26.98
For Galvanized Fittings, Add	88.72	
23 21 13 23-1817 EA 10" Standard Coupling, Grooved.....	575.11	32.34
For Galvanized Fittings, Add	147.45	
23 21 13 23-1818 EA 12" Standard Coupling, Grooved.....	652.63	35.39
For Galvanized Fittings, Add	167.88	
23 21 13 23-1819 EA 14" Standard Coupling, Grooved.....	799.13	47.19
For Galvanized Fittings, Add	203.95	
23 21 13 23-1820 EA 16" Standard Coupling, Grooved.....	1,040.30	56.65
For Galvanized Fittings, Add	267.52	
23 21 13 23-1821 EA 18" Standard Coupling, Grooved.....	1,213.25	62.90
For Galvanized Fittings, Add	313.30	
23 21 13 23-1822 EA 20" Standard Coupling, Grooved.....	1,866.37	70.80
For Galvanized Fittings, Add	492.88	
23 21 13 23-1823 EA 24" Standard Coupling, Grooved.....	2,060.98	87.09
For Galvanized Fittings, Add	540.51	
<b>23 21 13 23-1824 Zero-Flex® Rigid Coupling</b> (23 21 13 23-1803)		
Note: Victaulic Style 07		
23 21 13 23-1825 EA 1" Rigid Coupling, Grooved.....	55.68	3.52
For Galvanized Fittings, Add	12.34	
23 21 13 23-1826 EA 1-1/4" Rigid Coupling, Grooved.....	57.02	4.44
For Galvanized Fittings, Add	12.34	
23 21 13 23-1827 EA 1-1/2" Rigid Coupling, Grooved.....	58.31	5.28
For Galvanized Fittings, Add	12.34	
23 21 13 23-1828 EA 2" Rigid Coupling, Grooved.....	62.29	7.11
For Galvanized Fittings, Add	12.65	
23 21 13 23-1829 EA 2-1/2" Rigid Coupling, Grooved.....	72.51	8.67
For Galvanized Fittings, Add	14.58	
23 21 13 23-1830 EA 3" Rigid Coupling, Grooved.....	75.02	10.37
For Galvanized Fittings, Add	14.58	
23 21 13 23-1831 EA 3-1/2" Rigid Coupling, Grooved.....	87.77	12.12
For Galvanized Fittings, Add	17.04	
23 21 13 23-1832 EA 4" Rigid Coupling, Grooved.....	119.34	13.82
For Galvanized Fittings, Add	24.15	
23 21 13 23-1833 EA 5" Rigid Coupling, Grooved.....	153.98	17.34
For Galvanized Fittings, Add	31.36	
23 21 13 23-1834 EA 6" Rigid Coupling, Grooved.....	205.08	22.62
For Galvanized Fittings, Add	41.93	
23 21 13 23-1835 EA 8" Rigid Coupling, Grooved.....	310.02	26.98
For Galvanized Fittings, Add	66.05	
23 21 13 23-1836 EA 10" Rigid Coupling, Grooved.....	531.58	32.34
For Galvanized Fittings, Add	118.35	
23 21 13 23-1837 EA 12" Rigid Coupling, Grooved.....	593.64	35.39
For Galvanized Fittings, Add	132.44	
23 21 13 23-1838 EA 14" Rigid Coupling, Grooved.....	777.01	47.19
For Galvanized Fittings, Add	173.04	
23 21 13 23-1839 EA 16" Rigid Coupling, Grooved.....	1,006.02	56.65
For Galvanized Fittings, Add	225.68	
23 21 13 23-1840 EA 18" Rigid Coupling, Grooved.....	1,159.16	62.90
For Galvanized Fittings, Add	260.89	
23 21 13 23-1841 EA 20" Rigid Coupling, Grooved.....	1,373.87	70.80
For Galvanized Fittings, Add	310.60	
23 21 13 23-1842 EA 24" Rigid Coupling, Grooved.....	1,997.93	87.09
For Galvanized Fittings, Add	457.50	
<b>23 21 13 23-1843 Large Diameter Grooved Coupling</b> (23 21 13 23-1803)		
Note: Victaulic Style 770		
23 21 13 23-1844 EA 28" Coupling, Grooved.....	2,266.72	17.34
For Galvanized Fittings, Add	313.71	
23 21 13 23-1845 EA 30" Coupling, Grooved.....	2,613.76	22.62
For Galvanized Fittings, Add	361.17	
23 21 13 23-1846 EA 32" Coupling, Grooved.....	3,903.85	26.98
For Galvanized Fittings, Add	540.88	
23 21 13 23-1847 EA 36" Coupling, Grooved.....	5,195.53	32.34
For Galvanized Fittings, Add	720.58	



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1848 EA 42" Coupling, Grooved <i>For Galvanized Fittings, Add</i>	10,462.44 1,457.31	35.39
<b>23 21 13 23-1849 Flexible Coupling</b> (23 21 13 23-1803) Note: Victaulic Style 75		
23 21 13 23-1850 EA 1-1/2" Flexible Coupling, Grooved <i>For Galvanized Fittings, Add</i>	53.72 11.72	5.28
23 21 13 23-1851 EA 2" Flexible Coupling, Grooved <i>For Galvanized Fittings, Add</i>	57.59 12.02	7.11
23 21 13 23-1852 EA 2-1/2" Flexible Coupling, Grooved <i>For Galvanized Fittings, Add</i>	67.39 13.93	8.67
23 21 13 23-1853 EA 3" Flexible Coupling, Grooved <i>For Galvanized Fittings, Add</i>	78.76 16.20	10.37
23 21 13 23-1854 EA 3-1/2" Flexible Coupling, Grooved <i>For Galvanized Fittings, Add</i>	107.83 22.94	12.12
23 21 13 23-1855 EA 4" Flexible Coupling, Grooved <i>For Galvanized Fittings, Add</i>	110.38 22.94	13.82
23 21 13 23-1856 EA 5" Flexible Coupling, Grooved <i>For Galvanized Fittings, Add</i>	155.27 33.10	17.34
23 21 13 23-1857 EA 6" Flexible Coupling, Grooved <i>For Galvanized Fittings, Add</i>	189.71 39.87	22.62
23 21 13 23-1858 EA 8" Flexible Coupling, Grooved <i>For Galvanized Fittings, Add</i>	285.27 62.68	26.98
<b>23 21 13 23-1859 Installation-Ready™ Coupling</b> (23 21 13 23-1803) Note: Victaulic Style 009N		
23 21 13 23-1860 EA 1-1/4" Ductile Iron, Installation-Ready™ Coupling <i>For Galvanized Fittings, Add</i>	45.11 10.27	3.29
23 21 13 23-1861 EA 1-1/2" Ductile Iron, Installation-Ready™ Coupling <i>For Galvanized Fittings, Add</i>	46.91 10.48	3.93
23 21 13 23-1862 EA 2" Ductile Iron, Installation-Ready™ Coupling <i>For Galvanized Fittings, Add</i>	54.33 11.86	5.29
23 21 13 23-1863 EA 2-1/2" Ductile Iron, Installation-Ready™ Coupling <i>For Galvanized Fittings, Add</i>	63.06 13.66	6.41
23 21 13 23-1864 EA 3" Ductile Iron, Installation-Ready™ Coupling <i>For Galvanized Fittings, Add</i>	72.04 15.45	7.70
23 21 13 23-1865 EA 4" Ductile Iron, Installation-Ready™ Coupling <i>For Galvanized Fittings, Add</i>	100.35 21.70	10.29
23 21 13 23-1866 EA 5" Ductile Iron, Installation-Ready™ Coupling <i>For Galvanized Fittings, Add</i>	158.16 35.50	12.87
23 21 13 23-1867 EA 6" Ductile Iron, Installation-Ready™ Coupling <i>For Galvanized Fittings, Add</i>	191.18 42.42	16.82
23 21 13 23-1868 EA 8" Ductile Iron, Installation-Ready™ Coupling <i>For Galvanized Fittings, Add</i>	307.13 70.87	20.01
<b>23 21 13 23-1869 Grooved Strainers And Suction Diffusers</b> (23 21 13 23-1393)		
<b>23 21 13 23-1870 Grooved Wye Strainers</b> (23 21 13 23-1869) Note: Victaulic Style 732		
23 21 13 23-1871 EA 2" Wye Strainer, Grooved	1,185.88	14.34
23 21 13 23-1872 EA 2-1/2" Wye Strainer, Grooved	1,249.23	17.40
23 21 13 23-1873 EA 3" Wye Strainer, Grooved	1,405.39	20.86
23 21 13 23-1874 EA 4" Wye Strainer, Grooved	1,596.73	27.83
23 21 13 23-1875 EA 5" Wye Strainer, Grooved	2,304.73	34.81
23 21 13 23-1876 EA 6" Wye Strainer, Grooved	2,513.63	45.25
23 21 13 23-1877 EA 8" Wye Strainer, Grooved	3,830.26	53.91
23 21 13 23-1878 EA 10" Wye Strainer, Grooved	6,121.67	63.03
23 21 13 23-1879 EA 12" Wye Strainer, Grooved	10,642.49	75.69
<b>23 21 13 23-1880 Grooved Tee Type Strainers</b> (23 21 13 23-1869) Note: Victaulic Style 730		
23 21 13 23-1881 EA 1-1/2" Tee Type Strainer, Grooved	914.82	10.89
23 21 13 23-1882 EA 2" Tee Type Strainer, Grooved	1,171.51	14.34
23 21 13 23-1883 EA 2-1/2" Tee Type Strainer, Grooved	1,234.29	17.40
23 21 13 23-1884 EA 3" Tee Type Strainer, Grooved	1,388.51	20.86
23 21 13 23-1885 EA 4" Tee Type Strainer, Grooved	1,577.59	27.83
23 21 13 23-1886 EA 5" Tee Type Strainer, Grooved	2,276.88	34.81
23 21 13 23-1887 EA 6" Tee Type Strainer, Grooved	2,483.59	45.25
23 21 13 23-1888 EA 8" Tee Type Strainer, Grooved	3,783.75	53.91
23 21 13 23-1889 EA 10" Tee Type Strainer, Grooved	5,533.05	63.03
23 21 13 23-1890 EA 12" Tee Type Strainer, Grooved	7,114.31	75.69
23 21 13 23-1891 EA 14" Tee Type Strainer, Grooved	25,082.25	85.20
23 21 13 23-1892 EA 16" Tee Type Strainer, Grooved	31,156.19	94.33
23 21 13 23-1893 EA 18" Tee Type Strainer, Grooved	40,947.92	103.06
<b>23 21 13 23-1894 Grooved Suction Diffuser</b> (23 21 13 23-1869) Note: Victaulic Style 731		
23 21 13 23-1895 EA 2-1/2" Grooved x 2" Flanged Suction Diffuser	2,412.03	16.10



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-	1896	EA	3" Grooved x 2" Flanged Suction Diffuser.....	2,560.79	17.80
23 21	13 23-	1897	EA	3" Grooved x 2-1/2" Flanged Suction Diffuser.....	1,853.03	20.86
23 21	13 23-	1898	EA	3" Grooved x 3" Flanged Suction Diffuser.....	1,879.69	22.62
23 21	13 23-	1899	EA	4" Grooved x 2-1/2" Flanged Suction Diffuser.....	2,035.46	22.62
23 21	13 23-	1900	EA	4" Grooved x 3" Flanged Suction Diffuser.....	2,195.99	24.38
23 21	13 23-	1901	EA	4" Grooved x 4" Flanged Suction Diffuser.....	2,537.64	24.38
23 21	13 23-	1902	EA	5" Grooved x 4" Flanged Suction Diffuser.....	2,834.70	31.29
23 21	13 23-	1903	EA	5" Grooved x 5" Flanged Suction Diffuser.....	2,978.77	33.05
23 21	13 23-	1904	EA	6" Grooved x 4" Flanged Suction Diffuser.....	3,027.10	36.50
23 21	13 23-	1905	EA	6" Grooved x 5" Flanged Suction Diffuser.....	3,615.61	40.02
23 21	13 23-	1906	EA	6" Grooved x 6" Flanged Suction Diffuser.....	3,755.74	42.63
23 21	13 23-	1907	EA	8" Grooved x 5" Flanged Suction Diffuser.....	3,853.86	44.33
23 21	13 23-	1908	EA	8" Grooved x 6" Flanged Suction Diffuser.....	4,068.07	49.54
23 21	13 23-	1909	EA	8" Grooved x 8" Flanged Suction Diffuser.....	6,953.58	53.91
23 21	13 23-	1910	EA	10" Grooved x 8" Flanged Suction Diffuser.....	7,842.71	58.28
23 21	13 23-	1911	EA	10" Grooved x 10" Flanged Suction Diffuser.....	9,435.47	60.43
23 21	13 23-	1912	EA	12" Grooved x 10" Flanged Suction Diffuser.....	11,165.41	69.56
23 21	13 23-	1913	EA	12" Grooved x 12" Flanged Suction Diffuser.....	15,496.60	73.92
23 21	13 23-	1914	EA	14" Grooved x 10" Flanged Suction Diffuser.....	14,430.03	73.92
23 21	13 23-	1915	EA	14" Grooved x 12" Flanged Suction Diffuser.....	16,115.79	80.45
23 21	13 23-	1916	EA	14" Grooved x 14" Flanged Suction Diffuser.....	19,551.71	85.20
23 21	13 23-	1917	EA	16" Grooved x 14" Flanged Suction Diffuser.....	20,129.04	89.57
23 21	13 23-	1918		<b>Grooved Steel Valves (23 21 13 23-1933)</b>		
23 21	13 23-	1919		<b>Grooved Butterfly Valves With Standard Trim (23 21 13 23-1918)</b>		
23 21	13 23-	1920	EA	1-1/2" Butterfly Valve, Grooved, With Standard Trim.....	256.82	7.11
23 21	13 23-	1921	EA	2" Butterfly Valve, Grooved, With Standard Trim.....	260.19	9.32
23 21	13 23-	1922	EA	3" Butterfly Valve, Grooved, With Standard Trim.....	428.11	13.82
23 21	13 23-	1923	EA	4" Butterfly Valve, Grooved, With Standard Trim.....	575.34	18.19
23 21	13 23-	1924	EA	6" Butterfly Valve, Grooved, With Standard Trim.....	1,263.79	29.79
23 21	13 23-	1925	EA	8" Butterfly Valve, Grooved, With Standard Trim.....	1,750.89	41.92
23 21	13 23-	1926	EA	10" Butterfly Valve, Grooved, With Standard Trim.....	2,634.49	56.65
23 21	13 23-	1927		<b>Grooved Butterfly Valves With Stainless Steel Trim (23 21 13 23-1918)</b>		
23 21	13 23-	1928	EA	1-1/2" Butterfly Valve, Grooved, With Stainless Steel Trim.....	388.70	7.11
23 21	13 23-	1929	EA	2" Butterfly Valve, Grooved, With Stainless Steel Trim.....	392.07	9.32
23 21	13 23-	1930	EA	3" Butterfly Valve, Grooved, With Stainless Steel Trim.....	606.88	13.82
23 21	13 23-	1931	EA	4" Butterfly Valve, Grooved, With Stainless Steel Trim.....	771.69	18.19
23 21	13 23-	1932	EA	6" Butterfly Valve, Grooved, With Stainless Steel Trim.....	1,480.66	29.79
23 21	13 23-	1933	EA	8" Butterfly Valve, Grooved, With Stainless Steel Trim.....	2,465.95	41.92
23 21	13 23-	1934	EA	10" Butterfly Valve, Grooved, With Stainless Steel Trim.....	3,894.64	56.65
23 21	13 23-	1935		<b>Grooved Ball Valves With Standard Trim And Handle (23 21 13 23-1918)</b>		
Note: Victaulic No. 721						
23 21	13 23-	1936	EA	1-1/2" Ball Valve, Grooved, With Standard Trim.....	215.83	6.98
23 21	13 23-	1937	EA	2" Ball Valve, Grooved, With Standard Trim.....	246.30	9.58
23 21	13 23-	1938	EA	2-1/2" Ball Valve, Grooved, With Standard Trim.....	569.82	11.74
23 21	13 23-	1939	EA	3" Ball Valve, Grooved, With Standard Trim.....	938.66	13.89
23 21	13 23-	1940	EA	4" Ball Valve, Grooved, With Standard Trim.....	1,464.37	18.25
23 21	13 23-	1941	EA	6" Ball Valve, Grooved, With Standard Trim.....	4,574.26	29.99
23 21	13 23-	1942		<b>Grooved Ball Valves With Stainless Steel Trim And Handle (23 21 13 23-1918)</b>		
Note: Victaulic No. 721						
23 21	13 23-	1943	EA	1-1/2" Ball Valve, Grooved, With Stainless Steel Trim.....	230.27	6.98
23 21	13 23-	1944	EA	2" Ball Valve, Grooved, With Stainless Steel Trim.....	396.23	9.58
23 21	13 23-	1945	EA	2-1/2" Ball Valve, Grooved, With Stainless Steel Trim.....	1,042.58	11.74
23 21	13 23-	1946	EA	3" Ball Valve, Grooved, With Stainless Steel Trim.....	1,349.28	13.89
23 21	13 23-	1947	EA	4" Ball Valve, Grooved, With Stainless Steel Trim.....	1,843.82	18.25
23 21	13 23-	1948	EA	6" Ball Valve, Grooved, With Stainless Steel Trim.....	5,044.45	29.99
23 21	13 23-	1949		<b>Grooved Check Valves (23 21 13 23-1918)</b>		
Note: Victaulic No. 712						
23 21	13 23-	1950	EA	2" Check Valve, Grooved.....	328.84	9.58
23 21	13 23-	1951	EA	2-1/2" Check Valve, Grooved.....	536.49	11.74
23 21	13 23-	1952	EA	3" Check Valve, Grooved.....	624.95	13.89
23 21	13 23-	1953	EA	4" Check Valve, Grooved.....	886.95	18.25
23 21	13 23-	1954		<b>Grooved Vic-Check Check Valves (23 21 13 23-1918)</b>		
Note: Victaulic No. 716						
23 21	13 23-	1955	EA	2-1/2" "Vic-Check" Check Valve, Grooved.....	426.84	11.74
23 21	13 23-	1956	EA	3" "Vic-Check" Check Valve, Grooved.....	430.00	13.89
23 21	13 23-	1957	EA	4" "Vic-Check" Check Valve, Grooved.....	538.20	18.25
23 21	13 23-	1958	EA	6" "Vic-Check" Check Valve, Grooved.....	1,053.71	29.99
23 21	13 23-	1959	EA	8" "Vic-Check" Check Valve, Grooved.....	1,441.27	41.72

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1960 EA 10" "Vic-Check" Check Valve, Grooved.....	4,075.17	56.52
23 21 13 23-1961 EA 12" "Vic-Check" Check Valve, Grooved.....	4,827.10	65.25
<b>23 21 13 23-1962 Grooved Plug Valves With Lever Operator (23 21 13 23-1918)</b>		
Note: Victaulic No. 377		
23 21 13 23-1963 EA 3" Balancing Plug Valve, Grooved, With Lever Handle.....	382.68	13.89
23 21 13 23-1964 EA 4" Balancing Plug Valve, Grooved, With Lever Handle.....	425.57	18.25
23 21 13 23-1965 EA 6" Balancing Plug Valve, Grooved, With Lever Handle.....	758.96	29.99
<b>23 21 13 23-1966 Grooved Plug Valve With Gear Operator (23 21 13 23-1918)</b>		
Note: Victaulic No. 377		
23 21 13 23-1967 EA 3" Balancing Plug Valve, Grooved, With Gear Operator.....	674.56	13.89
23 21 13 23-1968 EA 4" Balancing Plug Valve, Grooved, With Gear Operator.....	717.49	18.25
23 21 13 23-1969 EA 6" Balancing Plug Valve, Grooved, With Gear Operator.....	1,050.87	29.99
23 21 13 23-1970 EA 8" Balancing Plug Valve, Grooved, With Gear Operator.....	1,406.22	41.72
23 21 13 23-1971 EA 10" Balancing Plug Valve, Grooved, With Gear Operator.....	2,203.76	56.52
23 21 13 23-1972 EA 12" Balancing Plug Valve, Grooved, With Gear Operator.....	3,184.46	65.25
<b>23 21 13 23-1973 Prepare Pipe For Groove (23 21 13 23-1393)</b>		
<b>23 21 13 23-1974 Cut Grooved Pipe (23 21 13 23-1973)</b>		
Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21 13 23-1975 EA Cut 3/4" Groove.....	6.83	
23 21 13 23-1976 EA Cut 1" Groove.....	7.41	
23 21 13 23-1977 EA Cut 1-1/4" Groove.....	8.37	
23 21 13 23-1978 EA Cut 1-1/2" Groove.....	9.11	
23 21 13 23-1979 EA Cut 2" Groove.....	9.98	
23 21 13 23-1980 EA Cut 2-1/2" Groove.....	10.81	
23 21 13 23-1981 EA Cut 3" Groove.....	11.80	
23 21 13 23-1982 EA Cut 3-1/2" Groove.....	12.50	
23 21 13 23-1983 EA Cut 4" Groove.....	13.31	
23 21 13 23-1984 EA Cut 5" Groove.....	14.42	
23 21 13 23-1985 EA Cut 6" Groove.....	14.83	
23 21 13 23-1986 EA Cut 8" Groove.....	19.22	
23 21 13 23-1987 EA Cut 10" Groove.....	27.32	
23 21 13 23-1988 EA Cut 12" Groove.....	34.60	
23 21 13 23-1989 EA Cut 14" Groove.....	51.90	
23 21 13 23-1990 EA Cut 16" Groove.....	54.63	
23 21 13 23-1991 EA Cut 18" Groove.....	57.67	
23 21 13 23-1992 EA Cut 20" Groove.....	61.06	
23 21 13 23-1993 EA Cut 24" Groove.....	69.20	
<b>23 21 13 23-1994 Roll Grooved Pipe (23 21 13 23-1973)</b>		
Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21 13 23-1995 EA Roll 3/4" Groove.....	3.90	
23 21 13 23-1996 EA Roll 1" Groove.....	4.56	
23 21 13 23-1997 EA Roll 1-1/4" Groove.....	5.19	
23 21 13 23-1998 EA Roll 1-1/2" Groove.....	5.83	
23 21 13 23-1999 EA Roll 2" Groove.....	8.94	
23 21 13 23-2000 EA Roll 2-1/2" Groove.....	9.44	
23 21 13 23-2001 EA Roll 3" Groove.....	10.38	
23 21 13 23-2002 EA Roll 3-1/2" Groove.....	11.04	
23 21 13 23-2003 EA Roll 4" Groove.....	12.07	
23 21 13 23-2004 EA Roll 5" Groove.....	12.36	
23 21 13 23-2005 EA Roll 6" Groove.....	12.98	
23 21 13 23-2006 EA Roll 8" Groove.....	15.73	
23 21 13 23-2007 EA Roll 10" Groove.....	17.90	
23 21 13 23-2008 EA Roll 12" Groove.....	22.57	
23 21 13 23-2009 EA Roll 14" Groove.....	34.60	
23 21 13 23-2010 EA Roll 16" Groove.....	37.08	
23 21 13 23-2011 EA Roll 18" Groove.....	38.45	
23 21 13 23-2012 EA Roll 20" Groove.....	41.52	
23 21 13 23-2013 EA Roll 24" Groove.....	45.13	
<b>23 21 13 23-2014 Standard Gaskets (23 21 13 23-1973)</b>		
Note: For use on replacement of existing gaskets.		
23 21 13 23-2015 EA 3/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	28.83	
23 21 13 23-2016 EA 1" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	29.38	
23 21 13 23-2017 EA 1-1/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	30.48	
23 21 13 23-2018 EA 1-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	33.28	
23 21 13 23-2019 EA 2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	33.68	
23 21 13 23-2020 EA 2-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	40.18	
23 21 13 23-2021 EA 3" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	43.87	
23 21 13 23-2022 EA 3-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	54.98	
23 21 13 23-2023 EA 4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	55.30	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2024	EA			5" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	70.57	
23 21 13 23-2025	EA			6" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	76.07	
23 21 13 23-2026	EA			8" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	104.19	
23 21 13 23-2027	EA			10" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	132.21	
23 21 13 23-2028	EA			12" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	154.72	
23 21 13 23-2029	EA			14" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	214.93	
23 21 13 23-2030	EA			16" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	292.54	
23 21 13 23-2031	EA			18" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	350.13	
23 21 13 23-2032	EA			20" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	529.55	
23 21 13 23-2033	EA			24" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T".....	730.99	
<b>23 21 13 23-2034</b>				<b>Copper Grooved-Joint Pipe Fittings (23 21 13 23)</b>		
				Note: Couplings are not included with fittings.		
<b>23 21 13 23-2035</b>				<b>Grooved Fittings (23 21 13 23-2034)</b>		
<b>23 21 13 23-2036</b>				<b>Grooved 90 Degree Elbows (23 21 13 23-2035)</b>		
23 21 13 23-2037	EA			2" Copper 90 Degree Elbow, Grooved.....	53.12	10.63
23 21 13 23-2038	EA			2-1/2" Copper 90 Degree Elbow, Grooved.....	60.39	12.97
23 21 13 23-2039	EA			3" Copper 90 Degree Elbow, Grooved.....	79.68	15.71
23 21 13 23-2040	EA			4" Copper 90 Degree Elbow, Grooved.....	152.22	20.73
23 21 13 23-2041	EA			5" Copper 90 Degree Elbow, Grooved.....	365.70	25.95
23 21 13 23-2042	EA			6" Copper 90 Degree Elbow, Grooved.....	568.67	33.96
23 21 13 23-2043	EA			8" Copper 90 Degree Elbow, Grooved.....	1,020.93	40.42
<b>23 21 13 23-2044</b>				<b>Grooved 45 Degree Elbows (23 21 13 23-2035)</b>		
23 21 13 23-2045	EA			2" Copper 45 Degree Elbow, Grooved.....	53.12	10.63
23 21 13 23-2046	EA			2-1/2" Copper 45 Degree Elbow, Grooved.....	60.39	12.97
23 21 13 23-2047	EA			3" Copper 45 Degree Elbow, Grooved.....	79.68	15.71
23 21 13 23-2048	EA			4" Copper 45 Degree Elbow, Grooved.....	152.22	20.73
23 21 13 23-2049	EA			5" Copper 45 Degree Elbow, Grooved.....	365.70	25.95
23 21 13 23-2050	EA			6" Copper 45 Degree Elbow, Grooved.....	568.67	33.96
23 21 13 23-2051	EA			8" Copper 45 Degree Elbow, Grooved.....	1,020.93	40.42
<b>23 21 13 23-2052</b>				<b>Grooved Tees (23 21 13 23-2035)</b>		
23 21 13 23-2053	EA			2" Copper Tee, Grooved.....	83.49	15.65
23 21 13 23-2054	EA			2-1/2" Copper Tee, Grooved.....	93.80	19.23
23 21 13 23-2055	EA			3" Copper Tee, Grooved.....	129.55	23.60
23 21 13 23-2056	EA			4" Copper Tee, Grooved.....	241.64	30.51
23 21 13 23-2057	EA			5" Copper Tee, Grooved.....	874.49	39.89
23 21 13 23-2058	EA			6" Copper Tee, Grooved.....	724.12	49.93
23 21 13 23-2059	EA			8" Copper Tee, Grooved.....	1,235.97	60.62
<b>23 21 13 23-2060</b>				<b>Grooved Reducing Tees (23 21 13 23-2035)</b>		
23 21 13 23-2061	EA			2-1/2" Copper Tee, Reducing, Grooved.....	120.96	19.23
23 21 13 23-2062	EA			3" Copper Tee, Reducing, Grooved.....	187.23	23.60
23 21 13 23-2063	EA			4" Copper Tee, Reducing, Grooved.....	298.30	30.57
23 21 13 23-2064	EA			5" Copper Tee, Reducing, Grooved.....	803.91	39.96
23 21 13 23-2065	EA			6" Copper Tee, Reducing, Grooved.....	983.87	49.93
<b>23 21 13 23-2066</b>				<b>Grooved X Cup Reducing Tees (23 21 13 23-2035)</b>		
23 21 13 23-2067	EA			2" Copper Tee, Reducing, Grooved X Cup.....	98.01	15.65
23 21 13 23-2068	EA			2-1/2" Copper Tee, Reducing, Grooved X Cup.....	121.26	19.23
23 21 13 23-2069	EA			3" Copper Tee, Reducing, Grooved X Cup.....	200.30	23.60
23 21 13 23-2070	EA			4" Copper Tee, Reducing, Grooved X Cup.....	298.30	30.51
<b>23 21 13 23-2071</b>				<b>Grooved Flanged Adapter Nipples (23 21 13 23-2035)</b>		
23 21 13 23-2072	EA			2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	160.41	11.54
23 21 13 23-2073	EA			2-1/2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	170.98	14.02
23 21 13 23-2074	EA			3" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	183.23	16.75
23 21 13 23-2075	EA			4" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	209.29	22.56
23 21 13 23-2076	EA			5" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	275.29	27.32
23 21 13 23-2077	EA			6" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	313.92	36.90
<b>23 21 13 23-2078</b>				<b>Grooved Concentric Reducers (23 21 13 23-2035)</b>		
23 21 13 23-2079	EA			2-1/2" x 2" Copper Concentric Reducer, Grooved.....	69.41	11.87
23 21 13 23-2080	EA			3" x 2" Copper Concentric Reducer, Grooved.....	72.02	13.23
23 21 13 23-2081	EA			3" x 2-1/2" Copper Concentric Reducer, Grooved.....	77.07	15.71
23 21 13 23-2082	EA			4" x 2" Copper Concentric Reducer, Grooved.....	124.89	15.84
23 21 13 23-2083	EA			4" x 2-1/2" Copper Concentric Reducer, Grooved.....	127.17	16.95
23 21 13 23-2084	EA			4" x 3" Copper Concentric Reducer, Grooved.....	129.77	18.25
23 21 13 23-2085	EA			5" x 3" Copper Concentric Reducer, Grooved.....	304.10	20.86
23 21 13 23-2086	EA			5" x 4" Copper Concentric Reducer, Grooved.....	309.31	23.46

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2087	EA	6" x 3" Copper Concentric Reducer, Grooved.....	333.57	24.78
23 21	13 23-2088	EA	6" x 4" Copper Concentric Reducer, Grooved.....	338.78	27.38
23 21	13 23-2089	EA	6" x 5" Copper Concentric Reducer, Grooved.....	344.00	29.99
23 21	13 23-2090	EA	8" x 6" Copper Concentric Reducer, Grooved.....	572.77	37.16
<b>23 21</b>	<b>13 23-2091</b>		<b>Grooved X Cup Concentric Reducers</b> (23 21 13 23-2035)		
23 21	13 23-2092	EA	2" x 1" Copper Concentric Reducer, Grooved X Cup.....	54.40	8.34
23 21	13 23-2093	EA	2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup.....	55.05	8.67
23 21	13 23-2094	EA	2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	57.05	9.65
23 21	13 23-2095	EA	2-1/2" x 1" Copper Concentric Reducer, Grooved X Cup.....	64.82	9.32
23 21	13 23-2096	EA	2-1/2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup.....	65.47	9.65
23 21	13 23-2097	EA	2-1/2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	67.39	10.63
23 21	13 23-2098	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved X Cup.....	69.99	11.87
23 21	13 23-2099	EA	3" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	81.17	11.87
23 21	13 23-2100	EA	3" x 2" Copper Concentric Reducer, Grooved X Cup.....	83.78	13.23
23 21	13 23-2101	EA	4" x 2" Copper Concentric Reducer, Grooved X Cup.....	138.11	15.77
<b>23 21</b>	<b>13 23-2102</b>		<b>Grooved Standard Couplings</b> (23 21 13 23-2035)		
23 21	13 23-2103	EA	2" Copper Standard Coupling, Grooved.....	21.62	5.34
23 21	13 23-2104	EA	2-1/2" Copper Standard Coupling, Grooved.....	25.55	6.51
23 21	13 23-2105	EA	3" Copper Standard Coupling, Grooved.....	29.33	7.75
23 21	13 23-2106	EA	4" Copper Standard Coupling, Grooved.....	41.94	10.43
23 21	13 23-2107	EA	5" Copper Standard Coupling, Grooved.....	61.99	12.97
23 21	13 23-2108	EA	6" Copper Standard Coupling, Grooved.....	81.54	16.95
23 21	13 23-2109	EA	8" Copper Standard Coupling, Grooved.....	114.51	20.21
<b>23 21</b>	<b>13 23-2110</b>		<b>Grooved Caps</b> (23 21 13 23-2035)		
23 21	13 23-2111	EA	2" Copper Cap, Grooved.....	32.58	5.34
23 21	13 23-2112	EA	2-1/2" Copper Cap, Grooved.....	45.52	6.51
23 21	13 23-2113	EA	3" Copper Cap, Grooved.....	55.87	7.75
23 21	13 23-2114	EA	4" Copper Cap, Grooved.....	81.34	10.37
23 21	13 23-2115	EA	5" Copper Cap, Grooved.....	133.37	12.97
23 21	13 23-2116	EA	6" Copper Cap, Grooved.....	157.58	16.95
<b>23 21</b>	<b>13 23-2117</b>		<b>Grooved Valves</b> (23 21 13 23-2034)		
<b>23 21</b>	<b>13 23-2118</b>		<b>Grooved Butterfly Valves, Standard Trim, Without Operator</b> (23 21 13 23-2117)		
			Note: Copper body.		
23 21	13 23-2119	EA	2" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body.....	425.95	6.98
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21	13 23-2120	EA	3" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body.....	482.15	10.37
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21	13 23-2121	EA	4" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body.....	637.41	13.62
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21	13 23-2122	EA	6" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body.....	846.58	22.36
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21	13 23-2123	EA	8" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body.....	926.72	31.42
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
<b>23 21</b>	<b>13 23-2124</b>		<b>Grooved Butterfly Valves, Standard Trim, With Operator</b> (23 21 13 23-2117)		
			Note: Copper body.		
23 21	13 23-2125	EA	2" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body.....	521.86	6.98
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21	13 23-2126	EA	3" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body.....	578.12	10.37
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21	13 23-2127	EA	4" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body.....	733.38	13.62
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21	13 23-2128	EA	6" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body.....	942.62	22.36
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21	13 23-2129	EA	8" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body.....	1,022.69	31.42
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
<b>23 21</b>	<b>13 23-2130</b>		<b>Polyvinyl Chloride (PVC) Pressure Pipe And Fittings</b> (23 21 13 23)		
			Note: Socket or back weld.		
<b>23 21</b>	<b>13 23-2131</b>		<b>Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings</b> (23 21 13 23-2130)		
			Note: ASTM D1785 with D2466 fittings.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 21 13 23-2132</b> <b>Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe</b> <small>(23 21 13 23-2131)</small>		
23 21 13 23-2133    LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	3.12	1.87
<i>For Work In Restricted Working Space, Add</i>	<i>0.84</i>	
23 21 13 23-2134    LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	3.93	2.33
<i>For Work In Restricted Working Space, Add</i>	<i>1.05</i>	
23 21 13 23-2135    LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	4.34	2.48
<i>For Work In Restricted Working Space, Add</i>	<i>1.12</i>	
23 21 13 23-2136    LF 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	4.82	2.67
<i>For Work In Restricted Working Space, Add</i>	<i>1.20</i>	
23 21 13 23-2137    LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	5.00	2.72
<i>For Work In Restricted Working Space, Add</i>	<i>1.22</i>	
23 21 13 23-2138    LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	6.14	3.26
<i>For Work In Restricted Working Space, Add</i>	<i>1.46</i>	
23 21 13 23-2139    LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	7.80	3.86
<i>For Work In Restricted Working Space, Add</i>	<i>1.74</i>	
23 21 13 23-2140    LF 3" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	9.60	4.68
<i>For Work In Restricted Working Space, Add</i>	<i>2.10</i>	
23 21 13 23-2141    LF 4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	14.25	7.01
<i>For Work In Restricted Working Space, Add</i>	<i>3.16</i>	
23 21 13 23-2142    LF 6" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	20.54	9.35
<i>For Work In Restricted Working Space, Add</i>	<i>4.21</i>	
23 21 13 23-2143    LF 8" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	26.61	11.14
<i>For Work In Restricted Working Space, Add</i>	<i>5.02</i>	
23 21 13 23-2144    LF 10" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe.....	48.94	12.44
<i>For Work In Restricted Working Space, Add</i>	<i>5.59</i>	
<b>23 21 13 23-2145</b> <b>Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows</b> <small>(23 21 13 23-2131)</small>		
23 21 13 23-2146    EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	10.85	7.04
<i>For Work In Restricted Working Space, Add</i>	<i>3.16</i>	
23 21 13 23-2147    EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	14.48	9.32
<i>For Work In Restricted Working Space, Add</i>	<i>4.21</i>	
23 21 13 23-2148    EA 1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	18.21	11.61
<i>For Work In Restricted Working Space, Add</i>	<i>5.21</i>	
23 21 13 23-2149    EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	26.12	16.43
<i>For Work In Restricted Working Space, Add</i>	<i>7.38</i>	
23 21 13 23-2150    EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	29.36	18.51
<i>For Work In Restricted Working Space, Add</i>	<i>8.32</i>	
23 21 13 23-2151    EA 2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	37.78	23.54
<i>For Work In Restricted Working Space, Add</i>	<i>10.57</i>	
23 21 13 23-2152    EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	59.89	34.81
<i>For Work In Restricted Working Space, Add</i>	<i>15.65</i>	
23 21 13 23-2153    EA 3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	77.92	45.76
<i>For Work In Restricted Working Space, Add</i>	<i>20.59</i>	
23 21 13 23-2154    EA 4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	98.10	54.37
<i>For Work In Restricted Working Space, Add</i>	<i>24.45</i>	
23 21 13 23-2155    EA 6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	132.88	62.13
<i>For Work In Restricted Working Space, Add</i>	<i>27.94</i>	
23 21 13 23-2156    EA 8" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	211.04	72.49
<i>For Work In Restricted Working Space, Add</i>	<i>32.60</i>	
23 21 13 23-2157    EA 10" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows.....	315.43	108.09
<i>For Work In Restricted Working Space, Add</i>	<i>48.60</i>	
<b>23 21 13 23-2158</b> <b>Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows</b> <small>(23 21 13 23-2131)</small>		
23 21 13 23-2159    EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows.....	11.02	7.04
<i>For Work In Restricted Working Space, Add</i>	<i>3.16</i>	
23 21 13 23-2160    EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows.....	14.81	9.32
<i>For Work In Restricted Working Space, Add</i>	<i>4.21</i>	
23 21 13 23-2161    EA 1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows.....	18.67	11.61
<i>For Work In Restricted Working Space, Add</i>	<i>5.21</i>	
23 21 13 23-2162    EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows.....	26.42	16.43
<i>For Work In Restricted Working Space, Add</i>	<i>7.38</i>	
23 21 13 23-2163    EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows.....	30.02	18.51
<i>For Work In Restricted Working Space, Add</i>	<i>8.32</i>	
23 21 13 23-2164    EA 2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows.....	38.21	23.54
<i>For Work In Restricted Working Space, Add</i>	<i>10.57</i>	
23 21 13 23-2165    EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows.....	59.89	34.81
<i>For Work In Restricted Working Space, Add</i>	<i>15.65</i>	
23 21 13 23-2166    EA 3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows.....	80.69	45.76
<i>For Work In Restricted Working Space, Add</i>	<i>20.59</i>	
23 21 13 23-2167    EA 4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows.....	103.16	54.37
<i>For Work In Restricted Working Space, Add</i>	<i>24.45</i>	
23 21 13 23-2168    EA 6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows.....	133.35	62.13
<i>For Work In Restricted Working Space, Add</i>	<i>27.94</i>	
23 21 13 23-2169    EA 8" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows.....	205.44	72.49
<i>For Work In Restricted Working Space, Add</i>	<i>32.60</i>	
23 21 13 23-2170    EA 10" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows.....	315.43	108.09
<i>For Work In Restricted Working Space, Add</i>	<i>48.60</i>	
<b>23 21 13 23-2171</b> <b>Schedule 40 Polyvinyl Chloride (PVC) Tees</b> <small>(23 21 13 23-2131)</small>		

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2172 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i>	17.78 5.21	11.61
23 21 13 23-2173 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i>	21.45 6.31	14.02
23 21 13 23-2174 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i>	28.57 8.32	18.51
23 21 13 23-2175 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Tees ..... <i>For Work In Restricted Working Space, Add</i>	36.55 10.57	23.54
23 21 13 23-2176 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees ..... <i>For Work In Restricted Working Space, Add</i>	43.68 12.62	28.03
23 21 13 23-2177 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i>	54.50 15.65	34.81
23 21 13 23-2178 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees ..... <i>For Work In Restricted Working Space, Add</i>	76.43 20.59	45.76
23 21 13 23-2179 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i>	91.71 24.45	54.37
23 21 13 23-2180 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i>	127.18 32.60	72.49
23 21 13 23-2181 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i>	202.65 42.06	93.47
23 21 13 23-2182 EA 8" Schedule 40 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i>	318.72 52.15	115.97
23 21 13 23-2183 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Tees..... <i>For Work In Restricted Working Space, Add</i>	826.76 77.94	173.27
<b>23 21 13 23-2184 Schedule 40 Polyvinyl Chloride (PVC) Crosses (23 21 13 23-2131)</b>		
23 21 13 23-2185 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i>	22.35 6.52	14.47
23 21 13 23-2186 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i>	26.96 7.89	17.54
23 21 13 23-2187 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i>	35.98 10.40	23.14
23 21 13 23-2188 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i>	46.12 13.22	29.40
23 21 13 23-2189 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i>	55.12 15.77	35.07
23 21 13 23-2190 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i>	68.87 19.56	43.48
23 21 13 23-2191 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i>	98.01 25.73	57.23
23 21 13 23-2192 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i>	117.87 30.56	67.92
23 21 13 23-2193 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i>	164.85 40.74	90.61
23 21 13 23-2194 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i>	273.07 52.55	116.82
23 21 13 23-2195 EA 8" Schedule 40 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i>	444.32 65.15	144.85
23 21 13 23-2196 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i>	1,213.69 97.47	216.69
<b>23 21 13 23-2197 Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts (23 21 13 23-2131)</b>		
23 21 13 23-2198 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	11.21 3.27	
23 21 13 23-2199 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	14.59 4.19	
23 21 13 23-2200 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	19.48 5.60	
23 21 13 23-2201 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	24.12 6.98	
23 21 13 23-2202 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	29.45 8.40	
23 21 13 23-2203 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	41.16 11.65	
23 21 13 23-2204 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	57.14 16.10	
23 21 13 23-2205 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	74.55 20.01	
23 21 13 23-2206 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	97.08 23.28	
23 21 13 23-2207 EA 8" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	201.71 26.90	
23 21 13 23-2208 EA 10" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	244.66 36.09	
<b>23 21 13 23-2209 Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts (23 21 13 23-2131)</b>		
23 21 13 23-2210 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	11.21 3.16	7.04
23 21 13 23-2211 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	14.71 4.21	9.32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2212 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	18.24 5.21	11.61
23 21 13 23-2213 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	25.92 7.38	16.43
23 21 13 23-2214 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	29.26 8.32	18.51
23 21 13 23-2215 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	37.31 10.57	23.54
23 21 13 23-2216 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	55.16 15.65	34.81
23 21 13 23-2217 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	72.09 20.59	45.76
23 21 13 23-2218 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	89.33 24.45	54.37
<b>23 21 13 23-2219 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters</b> <small>(23 21 13 23-2131)</small>		
23 21 13 23-2220 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	11.45 3.16	7.04
23 21 13 23-2221 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	14.95 4.21	9.32
23 21 13 23-2222 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	18.70 5.21	11.61
23 21 13 23-2223 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	26.19 7.38	16.43
23 21 13 23-2224 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	29.86 8.32	18.51
23 21 13 23-2225 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	37.84 10.57	23.54
23 21 13 23-2226 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	55.76 15.65	34.81
23 21 13 23-2227 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	73.91 20.59	45.76
23 21 13 23-2228 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	88.27 24.45	54.37
<b>23 21 13 23-2229 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters</b> <small>(23 21 13 23-2131)</small>		
23 21 13 23-2230 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	10.85 3.16	7.04
23 21 13 23-2231 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	14.45 4.21	9.32
23 21 13 23-2232 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	17.88 5.21	11.61
23 21 13 23-2233 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters ..... <i>For Work In Restricted Working Space, Add</i>	25.39 7.38	16.43
23 21 13 23-2234 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters ..... <i>For Work In Restricted Working Space, Add</i>	28.67 8.32	18.51
23 21 13 23-2235 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	36.49 10.57	23.54
23 21 13 23-2236 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters ..... <i>For Work In Restricted Working Space, Add</i>	57.61 15.65	34.81
23 21 13 23-2237 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	75.96 20.59	45.76
23 21 13 23-2238 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters..... <i>For Work In Restricted Working Space, Add</i>	93.63 24.45	54.37
<b>23 21 13 23-2239 Schedule 40 Polyvinyl Chloride (PVC) P-Traps</b> <small>(23 21 13 23-2131)</small>		
23 21 13 23-2240 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) P-Traps..... <i>For Work In Restricted Working Space, Add</i>	16.75 4.30	9.58
<b>23 21 13 23-2241 Schedule 40 Polyvinyl Chloride (PVC) Couplings</b> <small>(23 21 13 23-2131)</small>		
23 21 13 23-2242 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	10.72 3.16	7.04
23 21 13 23-2243 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	14.28 4.21	9.32
23 21 13 23-2244 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	17.88 5.21	11.61
23 21 13 23-2245 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings ..... <i>For Work In Restricted Working Space, Add</i>	25.26 7.38	16.43
23 21 13 23-2246 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings ..... <i>For Work In Restricted Working Space, Add</i>	28.47 8.32	18.51
23 21 13 23-2247 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	36.35 10.57	23.54
23 21 13 23-2248 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings ..... <i>For Work In Restricted Working Space, Add</i>	54.66 15.65	34.81
23 21 13 23-2249 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	72.56 20.59	45.76



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2250	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	87.21 24.45	54.37
23 21	13 23-2251	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	111.25 27.94	62.13
23 21	13 23-2252	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	142.52 32.60	72.49
23 21	13 23-2253	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	271.94 34.94	77.70
<b>23 21 13 23-2254 Schedule 40 Polyvinyl Chloride (PVC) Unions (2321 13 23-2131)</b>					
23 21	13 23-2255	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	19.40 5.21	11.61
23 21	13 23-2256	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	26.61 6.31	14.02
23 21	13 23-2257	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	33.99 8.32	18.51
23 21	13 23-2258	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	50.45 10.57	23.54
23 21	13 23-2259	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	57.94 12.62	28.03
23 21	13 23-2260	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	73.55 15.65	34.81
23 21	13 23-2261	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	107.46 20.59	45.76
23 21	13 23-2262	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	122.64 24.45	54.37
23 21	13 23-2263	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	190.26 32.60	72.49
23 21	13 23-2264	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	249.53 42.04	93.47
23 21	13 23-2265	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	354.22 52.12	115.90
23 21	13 23-2266	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	513.23 64.72	143.87
<b>23 21 13 23-2267 Schedule 40 Polyvinyl Chloride (PVC) Caps (2321 13 23-2131)</b>					
23 21	13 23-2268	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i>	10.90 3.19	7.12
23 21	13 23-2269	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i>	14.35 4.21	9.32
23 21	13 23-2270	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i>	17.91 5.21	11.61
23 21	13 23-2271	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i>	25.62 7.47	16.62
23 21	13 23-2272	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i>	28.53 8.32	18.51
23 21	13 23-2273	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i>	36.19 10.57	23.54
23 21	13 23-2274	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i>	55.29 15.65	34.81
23 21	13 23-2275	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i>	72.03 20.59	45.76
23 21	13 23-2276	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i>	89.30 24.45	54.37
23 21	13 23-2277	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i>	111.81 27.94	62.13
23 21	13 23-2278	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i>	171.17 32.60	72.49
23 21	13 23-2279	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i>	347.80 34.94	77.70
<b>23 21 13 23-2280 Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges (2321 13 23-2131)</b>					
23 21	13 23-2281	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Socket Weld Flanges..... <i>For Work In Restricted Working Space, Add</i>	24.03 5.21	11.61
23 21	13 23-2282	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	31.21 6.31	14.02
23 21	13 23-2283	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	39.09 8.32	18.51
23 21	13 23-2284	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i>	46.91 10.57	23.54
23 21	13 23-2285	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i>	54.00 12.62	28.03
23 21	13 23-2286	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	68.03 15.65	34.81
23 21	13 23-2287	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i>	93.13 20.59	45.76
23 21	13 23-2288	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	108.55 24.45	54.37
23 21	13 23-2289	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	142.92 32.60	72.49



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2290 EA 6" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i>	194.02 42.04	93.47
23 21 13 23-2291 EA 8" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i>	295.31 52.12	115.90
23 21 13 23-2292 EA 10" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i>	489.40 64.62	143.67
<b>23 21 13 23-2293 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings</b> <small>(23 21 13 23-2130)</small> Note: ASTM D1785 with D2467 fittings.		
<b>23 21 13 23-2294 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe</b> <small>(23 21 13 23-2293)</small>		
23 21 13 23-2295 LF 1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	3.22 0.84	1.89
23 21 13 23-2296 LF 3/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	4.05 1.05	2.35
23 21 13 23-2297 LF 1" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	5.00 1.26	2.80
23 21 13 23-2298 LF 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	5.99 1.47	3.26
23 21 13 23-2299 LF 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	6.91 1.68	3.71
23 21 13 23-2300 LF 2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	8.91 2.10	4.69
23 21 13 23-2301 LF 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	10.54 2.31	5.15
23 21 13 23-2302 LF 3" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	12.17 2.52	5.61
23 21 13 23-2303 LF 4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	16.04 3.16	7.04
23 21 13 23-2304 LF 6" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	24.51 4.21	9.32
23 21 13 23-2305 LF 8" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	32.70 5.02	11.14
23 21 13 23-2306 LF 10" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For Work In Restricted Working Space, Add</i>	67.24 5.40	12.00
<b>23 21 13 23-2307 Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows</b> <small>(23 21 13 23-2293)</small>		
23 21 13 23-2308 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	11.71 3.16 1.58	7.04
23 21 13 23-2309 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	15.57 4.21 2.10	9.32
23 21 13 23-2310 EA 1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	19.89 5.21 2.61	11.61
23 21 13 23-2311 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	27.94 7.38 3.69	16.43
23 21 13 23-2312 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	31.31 8.32 4.16	18.51
23 21 13 23-2313 EA 2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	39.56 10.57 5.28	23.54
23 21 13 23-2314 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	62.31 15.65 7.82	34.81
23 21 13 23-2315 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	80.03 20.59 10.29	45.76
23 21 13 23-2316 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	98.82 24.45 12.22	54.37
23 21 13 23-2317 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	155.74 27.94 13.97	62.13
23 21 13 23-2318 EA 8" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	244.78 32.60 16.30	72.49
23 21 13 23-2319 EA 10" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	335.60 54.65 27.33	121.51
<b>23 21 13 23-2320 Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows</b> <small>(23 21 13 23-2293)</small>		
23 21 13 23-2321 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	12.80 3.16 1.58	7.04
23 21 13 23-2322 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	17.49 4.21 2.10	9.32

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2323	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows .....	22.61	11.61
			<i>For Work In Restricted Working Space, Add</i>	5.21	
			<i>For Threaded Fittings, Add</i>	2.61	
23 21	13 23-2324	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows .....	31.28	16.43
			<i>For Work In Restricted Working Space, Add</i>	7.38	
			<i>For Threaded Fittings, Add</i>	3.69	
23 21	13 23-2325	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows .....	35.61	18.51
			<i>For Work In Restricted Working Space, Add</i>	8.32	
			<i>For Threaded Fittings, Add</i>	4.16	
23 21	13 23-2326	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows .....	45.45	23.54
			<i>For Work In Restricted Working Space, Add</i>	10.57	
			<i>For Threaded Fittings, Add</i>	5.28	
23 21	13 23-2327	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows .....	73.65	34.81
			<i>For Work In Restricted Working Space, Add</i>	15.65	
			<i>For Threaded Fittings, Add</i>	7.82	
23 21	13 23-2328	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows .....	94.79	45.76
			<i>For Work In Restricted Working Space, Add</i>	20.59	
			<i>For Threaded Fittings, Add</i>	10.29	
23 21	13 23-2329	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows .....	128.63	54.37
			<i>For Work In Restricted Working Space, Add</i>	24.45	
			<i>For Threaded Fittings, Add</i>	12.22	
23 21	13 23-2330	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows .....	152.47	62.13
			<i>For Work In Restricted Working Space, Add</i>	27.94	
			<i>For Threaded Fittings, Add</i>	13.97	
23 21	13 23-2331	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows .....	237.34	72.49
			<i>For Work In Restricted Working Space, Add</i>	32.60	
			<i>For Threaded Fittings, Add</i>	16.30	
23 21	13 23-2332	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows .....	327.24	121.51
			<i>For Work In Restricted Working Space, Add</i>	54.65	
			<i>For Threaded Fittings, Add</i>	27.33	
<b>23 21</b>	<b>13 23-2333</b>		<b>Schedule 80 Polyvinyl Chloride (PVC) Tees <small>(23 21 13 23-2293)</small></b>		
23 21	13 23-2334	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees.....	19.92	11.02
			<i>For Work In Restricted Working Space, Add</i>	4.95	
			<i>For Threaded Fittings, Add</i>	2.48	
23 21	13 23-2335	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Tees.....	24.59	14.02
			<i>For Work In Restricted Working Space, Add</i>	6.31	
			<i>For Threaded Fittings, Add</i>	3.15	
23 21	13 23-2336	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Tees.....	32.21	18.51
			<i>For Work In Restricted Working Space, Add</i>	8.32	
			<i>For Threaded Fittings, Add</i>	4.16	
23 21	13 23-2337	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Tees .....	47.57	23.54
			<i>For Work In Restricted Working Space, Add</i>	10.57	
			<i>For Threaded Fittings, Add</i>	5.28	
23 21	13 23-2338	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees .....	54.40	28.03
			<i>For Work In Restricted Working Space, Add</i>	12.62	
			<i>For Threaded Fittings, Add</i>	6.31	
23 21	13 23-2339	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees.....	67.60	34.81
			<i>For Work In Restricted Working Space, Add</i>	15.65	
			<i>For Threaded Fittings, Add</i>	7.82	
23 21	13 23-2340	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees .....	85.43	45.76
			<i>For Work In Restricted Working Space, Add</i>	20.59	
			<i>For Threaded Fittings, Add</i>	10.29	
23 21	13 23-2341	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees.....	102.46	54.37
			<i>For Work In Restricted Working Space, Add</i>	24.45	
			<i>For Threaded Fittings, Add</i>	12.22	
23 21	13 23-2342	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees.....	132.97	72.49
			<i>For Work In Restricted Working Space, Add</i>	32.60	
			<i>For Threaded Fittings, Add</i>	16.30	
23 21	13 23-2343	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees.....	223.26	93.47
			<i>For Work In Restricted Working Space, Add</i>	42.06	
			<i>For Threaded Fittings, Add</i>	21.03	
23 21	13 23-2344	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Tees.....	366.51	115.97
			<i>For Work In Restricted Working Space, Add</i>	52.15	
			<i>For Threaded Fittings, Add</i>	26.07	
23 21	13 23-2345	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Tees.....	826.80	173.27
			<i>For Work In Restricted Working Space, Add</i>	77.94	
			<i>For Threaded Fittings, Add</i>	38.97	
<b>23 21</b>	<b>13 23-2346</b>		<b>Schedule 80 Polyvinyl Chloride (PVC) Crosses <small>(23 21 13 23-2293)</small></b>		
23 21	13 23-2347	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses .....	25.97	13.75
			<i>For Work In Restricted Working Space, Add</i>	6.19	
			<i>For Threaded Fittings, Add</i>	3.09	
23 21	13 23-2348	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses .....	31.89	17.54
			<i>For Work In Restricted Working Space, Add</i>	7.89	
			<i>For Threaded Fittings, Add</i>	3.94	
23 21	13 23-2349	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Crosses .....	41.68	23.14
			<i>For Work In Restricted Working Space, Add</i>	10.40	
			<i>For Threaded Fittings, Add</i>	5.20	
23 21	13 23-2350	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses .....	63.39	29.40
			<i>For Work In Restricted Working Space, Add</i>	13.22	
			<i>For Threaded Fittings, Add</i>	6.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2351 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	71.92 15.77 7.89	35.07
23 21 13 23-2352 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	89.41 19.56 9.78	43.48
23 21 13 23-2353 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	112.12 25.73 12.87	57.23
23 21 13 23-2354 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	134.73 30.56 15.28	67.92
23 21 13 23-2355 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	173.93 40.74 20.37	90.61
23 21 13 23-2356 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	305.38 52.55 26.27	116.82
23 21 13 23-2357 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	519.22 65.15 32.58	144.85
23 21 13 23-2358 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Crosses ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	1,213.75 97.47 48.74	216.69
<b>23 21 13 23-2359 Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts</b> <small>(23 21 13 23-2293)</small>		
23 21 13 23-2360 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	14.71 4.21	9.32
23 21 13 23-2361 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	19.40 5.21	11.61
23 21 13 23-2362 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	27.78 7.38	16.43
23 21 13 23-2363 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	32.07 8.32	18.51
23 21 13 23-2364 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	41.42 10.57	23.54
23 21 13 23-2365 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	62.87 15.65	34.81
23 21 13 23-2366 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	85.66 20.59	45.76
23 21 13 23-2367 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	105.11 24.45	54.37
23 21 13 23-2368 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	119.32 27.94	62.13
23 21 13 23-2369 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	166.80 32.60	72.49
23 21 13 23-2370 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts..... <i>For Work In Restricted Working Space, Add</i>	250.60 37.87	84.16
<b>23 21 13 23-2371 Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts</b> <small>(23 21 13 23-2293)</small>		
23 21 13 23-2372 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	10.75 3.16	7.04
23 21 13 23-2373 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	15.31 4.21	9.32
23 21 13 23-2374 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	19.40 5.21	11.61
23 21 13 23-2375 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	28.70 7.38	16.43
23 21 13 23-2376 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	32.90 8.32	18.51
23 21 13 23-2377 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	41.55 10.57	23.54
23 21 13 23-2378 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	65.51 15.65	34.81
23 21 13 23-2379 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	93.36 20.59	45.76
23 21 13 23-2380 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts ..... <i>For Work In Restricted Working Space, Add</i>	119.53 24.45	54.37
<b>23 21 13 23-2381 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters</b> <small>(23 21 13 23-2293)</small>		
23 21 13 23-2382 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	13.33 3.16	7.04
23 21 13 23-2383 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	17.13 4.21	9.32
23 21 13 23-2384 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	22.81 5.21	11.61
23 21 13 23-2385 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	30.95 7.38	16.43

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2386	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	36.87	18.51
			<i>For Work In Restricted Working Space, Add</i>	8.32	
23 21	13 23-2387	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	47.14	23.54
			<i>For Work In Restricted Working Space, Add</i>	10.57	
23 21	13 23-2388	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	65.71	34.81
			<i>For Work In Restricted Working Space, Add</i>	15.65	
23 21	13 23-2389	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	83.67	45.76
			<i>For Work In Restricted Working Space, Add</i>	20.59	
23 21	13 23-2390	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters.....	108.25	54.37
			<i>For Work In Restricted Working Space, Add</i>	24.45	
<b>23 21 13 23-2391 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters</b>					
			<small>(23 21 13 23-2293)</small>		
23 21	13 23-2392	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	12.57	7.04
			<i>For Work In Restricted Working Space, Add</i>	3.16	
23 21	13 23-2393	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	17.06	9.32
			<i>For Work In Restricted Working Space, Add</i>	4.21	
23 21	13 23-2394	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	21.88	11.61
			<i>For Work In Restricted Working Space, Add</i>	5.21	
23 21	13 23-2395	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	31.91	16.43
			<i>For Work In Restricted Working Space, Add</i>	7.38	
23 21	13 23-2396	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	36.70	18.51
			<i>For Work In Restricted Working Space, Add</i>	8.32	
23 21	13 23-2397	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	50.84	23.54
			<i>For Work In Restricted Working Space, Add</i>	10.57	
23 21	13 23-2398	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	76.83	34.81
			<i>For Work In Restricted Working Space, Add</i>	15.65	
23 21	13 23-2399	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	96.41	45.76
			<i>For Work In Restricted Working Space, Add</i>	20.59	
23 21	13 23-2400	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters.....	129.26	54.37
			<i>For Work In Restricted Working Space, Add</i>	24.45	
<b>23 21 13 23-2401 Schedule 80 Polyvinyl Chloride (PVC) Couplings</b>					
			<small>(23 21 13 23-2293)</small>		
23 21	13 23-2402	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	12.70	7.04
			<i>For Work In Restricted Working Space, Add</i>	3.16	
			<i>For Threaded Fittings, Add</i>	1.58	
23 21	13 23-2403	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	16.96	9.32
			<i>For Work In Restricted Working Space, Add</i>	4.21	
			<i>For Threaded Fittings, Add</i>	2.10	
23 21	13 23-2404	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	20.42	11.61
			<i>For Work In Restricted Working Space, Add</i>	5.21	
			<i>For Threaded Fittings, Add</i>	2.61	
23 21	13 23-2405	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	29.26	16.43
			<i>For Work In Restricted Working Space, Add</i>	7.38	
			<i>For Threaded Fittings, Add</i>	3.69	
23 21	13 23-2406	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	32.77	18.51
			<i>For Work In Restricted Working Space, Add</i>	8.32	
			<i>For Threaded Fittings, Add</i>	4.16	
23 21	13 23-2407	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	40.59	23.54
			<i>For Work In Restricted Working Space, Add</i>	10.57	
			<i>For Threaded Fittings, Add</i>	5.28	
23 21	13 23-2408	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	65.41	34.81
			<i>For Work In Restricted Working Space, Add</i>	15.65	
			<i>For Threaded Fittings, Add</i>	7.82	
23 21	13 23-2409	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	83.87	45.76
			<i>For Work In Restricted Working Space, Add</i>	20.59	
			<i>For Threaded Fittings, Add</i>	10.29	
23 21	13 23-2410	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	100.61	54.37
			<i>For Work In Restricted Working Space, Add</i>	24.45	
			<i>For Threaded Fittings, Add</i>	12.22	
23 21	13 23-2411	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	134.24	62.13
			<i>For Work In Restricted Working Space, Add</i>	27.94	
			<i>For Threaded Fittings, Add</i>	13.97	
23 21	13 23-2412	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	164.62	72.49
			<i>For Work In Restricted Working Space, Add</i>	32.60	
			<i>For Threaded Fittings, Add</i>	16.30	
23 21	13 23-2413	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Couplings.....	281.86	77.70
			<i>For Work In Restricted Working Space, Add</i>	34.94	
			<i>For Threaded Fittings, Add</i>	17.47	
<b>23 21 13 23-2414 Schedule 80 Polyvinyl Chloride (PVC) Unions</b>					
			<small>(23 21 13 23-2293)</small>		
23 21	13 23-2415	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions.....	22.28	11.61
			<i>For Work In Restricted Working Space, Add</i>	5.21	
23 21	13 23-2416	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Unions.....	26.68	14.02
			<i>For Work In Restricted Working Space, Add</i>	6.31	
23 21	13 23-2417	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Unions.....	34.19	18.51
			<i>For Work In Restricted Working Space, Add</i>	8.32	
23 21	13 23-2418	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Unions.....	51.37	23.54
			<i>For Work In Restricted Working Space, Add</i>	10.57	
23 21	13 23-2419	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions.....	62.83	28.03
			<i>For Work In Restricted Working Space, Add</i>	12.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2420 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	80.30 15.65	34.81
23 21 13 23-2421 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	121.04 20.59	45.76
23 21 13 23-2422 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	149.05 24.45	54.37
23 21 13 23-2423 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	190.46 32.60	72.49
23 21 13 23-2424 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	249.53 42.04	93.47
23 21 13 23-2425 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	354.22 52.12	115.90
23 21 13 23-2426 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	512.89 64.62	143.67
<b>23 21 13 23-2427 Schedule 80 Threaded Polyvinyl Chloride (PVC) Unions</b> <small>(23 21 13 23-2293)</small>		
23 21 13 23-2428 EA 1/2", Scheduler 80, Threaded Polyvinyl Chloride (PVC) Union.....	25.85	14.48
23 21 13 23-2429 EA 3/4", Scheduler 80, Threaded Polyvinyl Chloride (PVC) Union.....	30.86	16.75
23 21 13 23-2430 EA 1", Scheduler 80, Threaded Polyvinyl Chloride (PVC) Union.....	37.38	19.75
23 21 13 23-2431 EA 1-1/4", Scheduler 80, Threaded Polyvinyl Chloride (PVC) Union.....	49.96	23.54
23 21 13 23-2432 EA 1-1/2", Scheduler 80, Threaded Polyvinyl Chloride (PVC) Union.....	60.21	28.03
23 21 13 23-2433 EA 2", Scheduler 80, Threaded Polyvinyl Chloride (PVC) Union.....	79.87	34.81
23 21 13 23-2434 EA 3", Scheduler 80, Threaded Polyvinyl Chloride (PVC) Union.....	171.38	67.47
23 21 13 23-2435 EA 4", Scheduler 80, Threaded Polyvinyl Chloride (PVC) Union.....	185.85	74.84
<b>23 21 13 23-2436 Schedule 80 Polyvinyl Chloride (PVC) Caps</b> <small>(23 21 13 23-2293)</small>		
23 21 13 23-2437 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	13.60 3.16 1.58	7.04
23 21 13 23-2438 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	17.26 4.21 2.10	9.32
23 21 13 23-2439 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	23.14 5.21 2.61	11.61
23 21 13 23-2440 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	31.55 7.38 3.69	16.43
23 21 13 23-2441 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	34.69 8.32 4.16	18.51
23 21 13 23-2442 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	45.65 10.57 5.28	23.54
23 21 13 23-2443 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	73.55 15.65 7.82	34.81
23 21 13 23-2444 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	94.79 20.59 10.29	45.76
23 21 13 23-2445 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	123.57 24.45 12.22	54.37
23 21 13 23-2446 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	197.66 27.94 13.97	62.13
23 21 13 23-2447 EA 8" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	252.25 32.60 16.30	72.49
23 21 13 23-2448 EA 10" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	380.88 34.94 17.47	77.70
<b>23 21 13 23-2449 Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges</b> <small>(23 21 13 23-2293)</small>		
23 21 13 23-2450 EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	26.87 5.21 2.61	11.61
23 21 13 23-2451 EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	31.21 6.31 3.15	14.02
23 21 13 23-2452 EA 1" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	39.09 8.32 4.16	18.51
23 21 13 23-2453 EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	46.91 10.57 5.28	23.54
23 21 13 23-2454 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	54.00 12.62 6.31	28.03

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2455	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	68.03 15.65 7.82	34.81
23 21	13 23-2456	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	93.13 20.59 10.29	45.76
23 21	13 23-2457	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	108.55 24.45 12.22	54.37
23 21	13 23-2458	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	142.92 32.60 16.30	72.49
23 21	13 23-2459	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	194.02 42.04 21.02	93.47
23 21	13 23-2460	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	295.31 52.12 26.06	115.90
23 21	13 23-2461	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	489.40 64.62 32.31	143.67
<b>23 21 13 23-2462 Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe (23 21 13 23-2 130)</b>					
Note: In place pipe.					
23 21	13 23-2463	EA	1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	3.54 1.06	
23 21	13 23-2464	EA	3/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	3.82 1.15	
23 21	13 23-2465	EA	1", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	4.30 1.29	
23 21	13 23-2466	EA	1-1/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	4.52 1.36	
23 21	13 23-2467	EA	1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	4.78 1.43	
23 21	13 23-2468	EA	2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	5.26 1.58	
23 21	13 23-2469	EA	2-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	5.66 1.70	
23 21	13 23-2470	EA	3", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	6.69 2.01	
23 21	13 23-2471	EA	4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	9.03 2.71	
23 21	13 23-2472	EA	6", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	12.90 3.87	
23 21	13 23-2473	EA	8", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	17.20 5.16	
23 21	13 23-2474	EA	10", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe..... <i>For Work In Restricted Working Space, Add</i>	21.03 6.31	
<b>23 21 13 23-2475 Polyvinylidene Fluoride (PVDF), Socket Weld (23 21 13 23)</b>					
<b>23 21 13 23-2476 Pipe (23 21 13 23-2475)</b>					
23 21	13 23-2477	LF	1/2" Pipe Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld.....	13.12	1.89
23 21	13 23-2478	LF	3/4" Pipe Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld.....	17.46	2.35
23 21	13 23-2479	LF	1" Pipe Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld.....	24.05	2.48
23 21	13 23-2480	LF	1-1/2" Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld.....	33.11	2.74
23 21	13 23-2481	LF	2" Pipe Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld.....	41.82	3.26
<b>23 21 13 23-2482 90 Degree Elbows (23 21 13 23-2475)</b>					
23 21	13 23-2483	EA	1/2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	21.12	6.98
23 21	13 23-2484	EA	3/4" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	28.18	9.32
23 21	13 23-2485	EA	1" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	44.37	11.61
23 21	13 23-2486	EA	1-1/2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	76.07	18.51
23 21	13 23-2487	EA	2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	98.82	23.54
<b>23 21 13 23-2488 45 Degree Elbows (23 21 13 23-2475)</b>					
23 21	13 23-2489	EA	1/2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	23.79	7.04
23 21	13 23-2490	EA	3/4" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	31.95	9.32
23 21	13 23-2491	EA	1" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	44.37	11.61
23 21	13 23-2492	EA	1-1/2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	67.06	18.51
23 21	13 23-2493	EA	2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	96.44	23.54
<b>23 21 13 23-2494 Tees (23 21 13 23-2475)</b>					
23 21	13 23-2495	EA	1/2" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	38.38	11.61
23 21	13 23-2496	EA	3/4" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	43.31	14.02
23 21	13 23-2497	EA	1" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	61.71	18.51
23 21	13 23-2498	EA	1-1/2" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	100.20	28.03
23 21	13 23-2499	EA	2" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	143.67	34.81



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 21 13 23-2500 Reducing Tees</b> <small>(23 21 13 23-2475)</small>						
				23 21 13 23-2501 EA 3/4" x 1/2" Reducing Tees, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	43.62	13.04
				23 21 13 23-2502 EA 1" x 1/2" Reducing Insert, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	59.36	15.19
				23 21 13 23-2503 EA 1" x 3/4" Reducing Insert, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	61.32	16.50
				23 21 13 23-2504 EA 1-1/2" x 1" Reducing Tees, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	102.55	23.46
				23 21 13 23-2505 EA 2" x 1-1/2" Reducing Tees, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	151.43	31.29
<b>23 21 13 23-2506 Socket Weld Reducing Couplings</b> <small>(23 21 13 23-2475)</small>						
				23 21 13 23-2507 EA 3/4" x 1/2" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	24.17	8.28
				23 21 13 23-2508 EA 1" x 1/2" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	30.39	9.58
				23 21 13 23-2509 EA 1" x 3/4" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	33.63	10.89
				23 21 13 23-2510 EA 1-1/2" x 1/2" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	49.27	13.04
				23 21 13 23-2511 EA 1-1/2" x 3/4" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	52.92	14.34
				23 21 13 23-2512 EA 1-1/2" x 1" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	54.22	15.19
				23 21 13 23-2513 EA 2" x 1-1/2" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	76.31	21.32
<b>23 21 13 23-2514 Male Adapters, Socket Weld X Male Thread</b> <small>(23 21 13 23-2475)</small>						
				23 21 13 23-2515 EA 1/2" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	31.52	7.04
				23 21 13 23-2516 EA 3/4" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	40.46	9.32
				23 21 13 23-2517 EA 1" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	47.09	11.61
				23 21 13 23-2518 EA 1-1/2" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	62.60	18.51
				23 21 13 23-2519 EA 2" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	84.03	23.46
<b>23 21 13 23-2520 Female Adapters, Socket Weld X Female Thread</b> <small>(23 21 13 23-2475)</small>						
				23 21 13 23-2521 EA 1/2" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	31.52	7.04
				23 21 13 23-2522 EA 3/4" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	40.56	9.32
				23 21 13 23-2523 EA 1" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	47.09	11.61
				23 21 13 23-2524 EA 1-1/2" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	62.60	18.51
				23 21 13 23-2525 EA 2" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	84.06	23.54
<b>23 21 13 23-2526 Socket Weld Couplings</b> <small>(23 21 13 23-2475)</small>						
				23 21 13 23-2527 EA 1/2" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	17.95	7.04
				23 21 13 23-2528 EA 3/4" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	23.23	9.32
				23 21 13 23-2529 EA 1" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	29.76	11.61
				23 21 13 23-2530 EA 1-1/2" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	53.49	18.51
				23 21 13 23-2531 EA 2" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	72.37	23.54
<b>23 21 13 23-2532 Socket Weld Unions</b> <small>(23 21 13 23-2475)</small>						
				23 21 13 23-2533 EA 1/2" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	63.44	11.61
				23 21 13 23-2534 EA 3/4" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	76.09	14.02
				23 21 13 23-2535 EA 1" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	108.66	18.51
				23 21 13 23-2536 EA 1-1/2" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	188.15	28.03
				23 21 13 23-2537 EA 2" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	231.92	34.81
<b>23 21 13 23-2538 Caps</b> <small>(23 21 13 23-2475)</small>						
				23 21 13 23-2539 EA 1/2" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	17.97	7.12
				23 21 13 23-2540 EA 3/4" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	24.67	9.32
				23 21 13 23-2541 EA 1" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	30.85	11.61
				23 21 13 23-2542 EA 1-1/2" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	52.50	18.51
				23 21 13 23-2543 EA 2" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	71.68	23.54
<b>23 21 13 23-2544 150 LB Socket Weld Flanges</b> <small>(23 21 13 23-2475)</small>						
				23 21 13 23-2545 EA 1/2" Flange, 150 LB Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	45.21	11.74
				23 21 13 23-2546 EA 3/4" Flange, 150 LB Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	56.68	13.89
				23 21 13 23-2547 EA 1" Flange, 150 LB Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	74.69	18.71
				23 21 13 23-2548 EA 1-1/2" Flange, 150 LB Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	108.42	28.29
				23 21 13 23-2549 EA 2" Flange, 150 LB Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld.....	166.05	34.81
<b>23 21 13 23-2550 Polyethylene Pipe And Fittings</b> <small>(23 21 13 23)</small>						
<b>23 21 13 23-2551 Small Diameter Tubing</b> <small>(23 21 13 23-2550)</small>						
<b>23 21 13 23-2552 Tubing</b> <small>(23 21 13 23-2551)</small>						
				23 21 13 23-2553 LF 1/4" Polyethylene Tubing.....	2.04	
				For Work In Restricted Working Space, Add	0.59	
				23 21 13 23-2554 LF 5/16" Polyethylene Tubing.....	2.13	
				For Work In Restricted Working Space, Add	0.60	
				23 21 13 23-2555 LF 3/8" Polyethylene Tubing.....	2.21	
				For Work In Restricted Working Space, Add	0.62	



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2556	LF	1/2" Polyethylene Tubing ..... <i>For Work In Restricted Working Space, Add</i>	2.34 0.67	
<b>23 21</b>	<b>13 23-2557</b>		<b>Female Copper Thread x Straight Compression Connection</b> (23 21 13 23-2551) Note: Ford C04.		
23 21	13 23-2558	EA	3/4" Copper X 3/4" P.E. Straight Compression Connection ..... <i>For Work In Restricted Working Space, Add</i>	21.78 2.98	4.96
23 21	13 23-2559	EA	3/4" Copper X 1" P.E. Straight Compression Connection ..... <i>For Work In Restricted Working Space, Add</i>	25.06 3.40	5.66
23 21	13 23-2560	EA	1" Copper X 1" P.E. Straight Compression Connection ..... <i>For Work In Restricted Working Space, Add</i>	29.73 3.83	6.37
23 21	13 23-2561	EA	1-1/4" Copper X 1" P.E. Straight Compression Connection ..... <i>For Work In Restricted Working Space, Add</i>	35.12 4.04	6.72
23 21	13 23-2562	EA	1-1/4" Copper X 1-1/4" P.E. Straight Compression Connection ..... <i>For Work In Restricted Working Space, Add</i>	40.54 4.25	7.08
23 21	13 23-2563	EA	1-1/2" Copper X 1-1/2" P.E. Straight Compression Connection ..... <i>For Work In Restricted Working Space, Add</i>	57.60 4.67	7.79
23 21	13 23-2564	EA	2" Copper X 2" P.E. Straight Compression Connection ..... <i>For Work In Restricted Working Space, Add</i>	67.06 5.10	8.50
<b>23 21</b>	<b>13 23-2565</b>		<b>Female Copper Thread x Compression Connection</b> (23 21 13 23-2551) Note: Ford L04.		
23 21	13 23-2566	EA	3/4" Copper X 3/4" P.E. Compression Connection ..... <i>For Work In Restricted Working Space, Add</i>	27.05 2.98	4.96
23 21	13 23-2567	EA	3/4" Copper X 1" P.E. Compression Connection ..... <i>For Work In Restricted Working Space, Add</i>	31.89 3.40	5.66
23 21	13 23-2568	EA	1" Copper X 1" P.E. Compression Connection ..... <i>For Work In Restricted Working Space, Add</i>	38.45 3.83	6.37
23 21	13 23-2569	EA	1-1/2" Copper X 1-1/2" P.E. Compression Connection ..... <i>For Work In Restricted Working Space, Add</i>	74.93 4.67	7.79
23 21	13 23-2570	EA	2" Copper X 2" P.E. Compression Connection ..... <i>For Work In Restricted Working Space, Add</i>	85.44 5.10	8.50
<b>23 21</b>	<b>13 23-2571</b>		<b>Male Iron Pipe Thread x Straight Compression Connection</b> (23 21 13 23-2551) Note: Ford C84.		
23 21	13 23-2572	EA	3/4" M.I.P. X 3/4" P.E. Straight Compression Connection ..... <i>For Work In Restricted Working Space, Add</i>	22.41 3.40	5.66
23 21	13 23-2573	EA	3/4" M.I.P. X 1" P.E. Straight Compression Connection ..... <i>For Work In Restricted Working Space, Add</i>	23.39 3.40	5.66
23 21	13 23-2574	EA	1" M.I.P. X 1" P.E. Straight Compression Connection ..... <i>For Work In Restricted Working Space, Add</i>	25.84 3.83	6.37
23 21	13 23-2575	EA	1-1/4" M.I.P. X 1-1/4" P.E. Straight Compression Connection ..... <i>For Work In Restricted Working Space, Add</i>	37.11 4.25	7.08
23 21	13 23-2576	EA	1-1/2" M.I.P. X 1-1/2" P.E. Straight Compression Connection ..... <i>For Work In Restricted Working Space, Add</i>	48.44 4.67	7.79
23 21	13 23-2577	EA	2" M.I.P. X 2" P.E. Straight Compression Connection ..... <i>For Work In Restricted Working Space, Add</i>	64.87 5.10	8.50
<b>23 21</b>	<b>13 23-2578</b>		<b>Male Iron Pipe Thread x Compression Connection</b> (23 21 13 23-2551) Note: Ford L84.		
23 21	13 23-2579	EA	3/4" M.I.P. X 3/4" P.E. Compression Connection ..... <i>For Work In Restricted Working Space, Add</i>	21.44 2.98	5.66
23 21	13 23-2580	EA	3/4" M.I.P. X 1" P.E. Compression Connection ..... <i>For Work In Restricted Working Space, Add</i>	27.05 3.40	5.66
23 21	13 23-2581	EA	1" M.I.P. X 1" P.E. Compression Connection ..... <i>For Work In Restricted Working Space, Add</i>	32.66 3.83	6.37
23 21	13 23-2582	EA	1-1/2" M.I.P. X 1-1/2" P.E. Compression Connection ..... <i>For Work In Restricted Working Space, Add</i>	69.19 4.67	7.79
23 21	13 23-2583	EA	2" M.I.P. X 2" P.E. Compression Connection ..... <i>For Work In Restricted Working Space, Add</i>	93.81 5.10	8.50
<b>23 21</b>	<b>13 23-2584</b>		<b>Straight Couplings, Compression Connection</b> (23 21 13 23-2551) Note: Ford C44.		
23 21	13 23-2585	EA	3/4" X 3/4" Compression Connection ..... <i>For Work In Restricted Working Space, Add</i>	23.44 2.98	4.96
23 21	13 23-2586	EA	1" X 1" Compression Connection ..... <i>For Work In Restricted Working Space, Add</i>	27.50 3.83	6.37
23 21	13 23-2587	EA	1-1/4" X 1-1/4" Compression Connection ..... <i>For Work In Restricted Working Space, Add</i>	52.50 4.25	7.08
23 21	13 23-2588	EA	1-1/2" X 1-1/2" Compression Connection ..... <i>For Work In Restricted Working Space, Add</i>	62.79 4.67	7.79
23 21	13 23-2589	EA	2" X 2" Compression Connection ..... <i>For Work In Restricted Working Space, Add</i>	80.75 5.10	8.50
<b>23 21</b>	<b>13 23-2590</b>		<b>Elbow Couplings x Compression Connection</b> (23 21 13 23-2551) Note: Ford L44.		
23 21	13 23-2591	EA	3/4" X 3/4" Compression Connection ..... <i>For Work In Restricted Working Space, Add</i>	26.53 2.98	4.96



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2592 EA 1" X 1" Compression Connection..... <i>For Work In Restricted Working Space, Add</i>	34.09 3.83	6.37
23 21 13 23-2593 EA 1-1/2" X 1-1/2" Compression Connection ..... <i>For Work In Restricted Working Space, Add</i>	81.35 4.67	7.79
23 21 13 23-2594 EA 2" X 2" Compression Connection..... <i>For Work In Restricted Working Space, Add</i>	150.06 5.10	8.50
<b>23 21 13 23-2595 Stainless Steel Insert Stiffeners</b> <small>(23 21 13 23-2551)</small> Note: Ford insert.		
23 21 13 23-2596 EA 3/4" Stainless Steel Insert Stiffeners..... <i>For Work In Restricted Working Space, Add</i>	5.19 0.89	1.49
23 21 13 23-2597 EA 1" Stainless Steel Insert Stiffeners..... <i>For Work In Restricted Working Space, Add</i>	6.67 1.02	1.70
23 21 13 23-2598 EA 1-1/4" Stainless Steel Insert Stiffeners..... <i>For Work In Restricted Working Space, Add</i>	9.57 1.11	1.84
23 21 13 23-2599 EA 1-1/2" Stainless Steel Insert Stiffeners..... <i>For Work In Restricted Working Space, Add</i>	12.01 1.21	1.99
23 21 13 23-2600 EA 2" Stainless Steel Insert Stiffeners..... <i>For Work In Restricted Working Space, Add</i>	18.84 1.33	2.20
<b>23 21 13 23-2601 Flanged Lead Corporation Stop Coupling</b> <small>(23 21 13 23-2551)</small> Note: Lead flange x copper tube thread (Mueller)		
23 21 13 23-2602 EA 3/4" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505) ..... <i>For Work In Restricted Working Space, Add</i>	34.22 5.10	8.50
23 21 13 23-2603 EA 1" x 3/4" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505) ..... <i>For Work In Restricted Working Space, Add</i>	45.76 5.31	8.85
23 21 13 23-2604 EA 1" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505) ..... <i>For Work In Restricted Working Space, Add</i>	47.17 5.74	9.56
23 21 13 23-2605 EA 1-1/4" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505) ..... <i>For Work In Restricted Working Space, Add</i>	70.68 6.37	10.62
23 21 13 23-2606 EA 1-1/2" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505) ..... <i>For Work In Restricted Working Space, Add</i>	94.57 6.80	11.33
23 21 13 23-2607 EA 2" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505) ..... <i>For Work In Restricted Working Space, Add</i>	160.49 7.43	12.40
23 21 13 23-2608 EA 2" Flanged Lead Corporation Stop Couplings, XXS Lead Flange X Copper Tube Thread (H-15510)..... <i>For Work In Restricted Working Space, Add</i>	198.22 8.28	13.81
<b>23 21 13 23-2609 Aluminum Tubing Assemblies</b> <small>(23 21 13 23)</small> Note: ASTM B210 (Tubing), ASTM B26 (Fittings). Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.		
23 21 13 23-2610 LF 1/8" Inside Diameter Aluminum Pipe/Tubing Assembly ..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	6.29	2.48
23 21 13 23-2611 LF 3/16" Inside Diameter Aluminum Pipe/Tubing Assembly ..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	7.15	2.83
23 21 13 23-2612 LF 1/4" Inside Diameter Aluminum Pipe/Tubing Assembly ..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	7.97	3.18
23 21 13 23-2613 LF 5/16" Inside Diameter Aluminum Pipe/Tubing Assembly ..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	8.71	3.54
23 21 13 23-2614 LF 3/8" Inside Diameter Aluminum Pipe/Tubing Assembly ..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	9.66	3.89
23 21 13 23-2615 LF 1/2" Inside Diameter Aluminum Pipe/Tubing Assembly ..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	11.11	4.25
23 21 13 23-2616 LF 5/8" Inside Diameter Aluminum Pipe/Tubing Assembly ..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	13.00	4.89
23 21 13 23-2617 LF 3/4" Inside Diameter Aluminum Pipe/Tubing Assembly ..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	16.02	5.55
23 21 13 23-2618 LF 7/8" Inside Diameter Aluminum Pipe/Tubing Assembly ..... Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	18.58	6.19
23 21 13 23-2619 LF 1" Inside Diameter Aluminum Pipe/Tubing Assembly.....	22.32	6.51
<b>23 21 13 23-2620 Chrome Plated Pipe</b> <small>(23 21 13 23)</small>		
<b>23 21 13 23-2621 Chrome Plated Nipples</b> <small>(23 21 13 23-2620)</small>		
<b>23 21 13 23-2622 Close</b> <small>(23 21 13 23-2621)</small>		
23 21 13 23-2623 EA 1/4" Diameter Chrome Plated Nipple, Close.....	12.66	5.66
23 21 13 23-2624 EA 3/8" Diameter Chrome Plated Nipple, Close.....	12.10	6.16
23 21 13 23-2625 EA 1/2" Diameter Chrome Plated Nipple, Close.....	15.05	7.08
23 21 13 23-2626 EA 3/4" Diameter Chrome Plated Nipple, Close.....	19.74	8.99
23 21 13 23-2627 EA 1" Diameter Chrome Plated Nipple, Close.....	26.45	11.82
23 21 13 23-2628 EA 1-1/4" Diameter Chrome Plated Nipple, Close.....	37.46	16.50

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2629 EA 1-1/2" Diameter Chrome Plated Nipple, Close.....	45.73	19.33
23 21 13 23-2630 EA 2" Diameter Chrome Plated Nipple, Close.....	58.96	24.08
<b>23 21 13 23-2631 1-1/2" Nipples (23 21 13 23-2621)</b>		
23 21 13 23-2632 EA 1/4" Diameter Chrome Plated Nipple, 1-1/2" Length.....	13.52	5.88
23 21 13 23-2633 EA 3/8" Diameter Chrome Plated Nipple, 1-1/2" Length.....	12.78	6.37
23 21 13 23-2634 EA 1/2" Diameter Chrome Plated Nipple, 1-1/2" Length.....	15.42	7.30
23 21 13 23-2635 EA 3/4" Diameter Chrome Plated Nipple, 1-1/2" Length.....	20.44	9.20
<b>23 21 13 23-2636 2" Nipples (23 21 13 23-2621)</b>		
23 21 13 23-2637 EA 1/4" Diameter Chrome Plated Nipple, 2" Length.....	14.07	6.16
23 21 13 23-2638 EA 3/8" Diameter Chrome Plated Nipple, 2" Length.....	13.21	6.58
23 21 13 23-2639 EA 1/2" Diameter Chrome Plated Nipple, 2" Length.....	16.61	7.58
23 21 13 23-2640 EA 3/4" Diameter Chrome Plated Nipple, 2" Length.....	21.47	9.41
23 21 13 23-2641 EA 1" Diameter Chrome Plated Nipple, 2" Length.....	27.98	12.25
23 21 13 23-2642 EA 1-1/4" Diameter Chrome Plated Nipple, 2" Length.....	39.96	16.99
23 21 13 23-2643 EA 1-1/2" Diameter Chrome Plated Nipple, 2" Length.....	48.64	19.82
<b>23 21 13 23-2644 2-1/2" Nipples (23 21 13 23-2621)</b>		
23 21 13 23-2645 EA 1/4" Diameter Chrome Plated Nipple, 2-1/2" Length.....	14.89	6.37
23 21 13 23-2646 EA 3/8" Diameter Chrome Plated Nipple, 2-1/2" Length.....	13.70	6.87
23 21 13 23-2647 EA 1/2" Diameter Chrome Plated Nipple, 2-1/2" Length.....	17.34	7.79
23 21 13 23-2648 EA 3/4" Diameter Chrome Plated Nipple, 2-1/2" Length.....	21.98	9.71
23 21 13 23-2649 EA 1" Diameter Chrome Plated Nipple, 2-1/2" Length.....	28.78	12.54
23 21 13 23-2650 EA 1-1/4" Diameter Chrome Plated Nipple, 2-1/2" Length.....	42.39	17.20
23 21 13 23-2651 EA 1-1/2" Diameter Chrome Plated Nipple, 2-1/2" Length.....	51.87	20.04
23 21 13 23-2652 EA 2" Diameter Chrome Plated Nipple, 2-1/2" Length.....	66.00	24.78
<b>23 21 13 23-2653 3" Nipples (23 21 13 23-2621)</b>		
23 21 13 23-2654 EA 1/4" Diameter Chrome Plated Nipple, 3" Length.....	15.51	6.58
23 21 13 23-2655 EA 3/8" Diameter Chrome Plated Nipple, 3" Length.....	14.52	7.08
23 21 13 23-2656 EA 1/2" Diameter Chrome Plated Nipple, 3" Length.....	17.11	7.58
23 21 13 23-2657 EA 3/4" Diameter Chrome Plated Nipple, 3" Length.....	23.74	9.92
23 21 13 23-2658 EA 1" Diameter Chrome Plated Nipple, 3" Length.....	32.38	12.75
23 21 13 23-2659 EA 1-1/4" Diameter Chrome Plated Nipple, 3" Length.....	45.04	17.49
23 21 13 23-2660 EA 1-1/2" Diameter Chrome Plated Nipple, 3" Length.....	59.50	20.32
23 21 13 23-2661 EA 2" Diameter Chrome Plated Nipple, 3" Length.....	71.97	25.06
<b>23 21 13 23-2662 3-1/2" Nipples (23 21 13 23-2621)</b>		
23 21 13 23-2663 EA 1/4" Diameter Chrome Plated Nipple, 3-1/2" Length.....	16.22	6.87
23 21 13 23-2664 EA 3/8" Diameter Chrome Plated Nipple, 3-1/2" Length.....	15.92	7.30
23 21 13 23-2665 EA 1/2" Diameter Chrome Plated Nipple, 3-1/2" Length.....	18.86	8.28
23 21 13 23-2666 EA 3/4" Diameter Chrome Plated Nipple, 3-1/2" Length.....	26.37	10.13
23 21 13 23-2667 EA 1" Diameter Chrome Plated Nipple, 3-1/2" Length.....	33.76	12.96
23 21 13 23-2668 EA 1-1/4" Diameter Chrome Plated Nipple, 3-1/2" Length.....	50.24	17.71
23 21 13 23-2669 EA 1-1/2" Diameter Chrome Plated Nipple, 3-1/2" Length.....	61.78	20.54
23 21 13 23-2670 EA 2" Diameter Chrome Plated Nipple, 3-1/2" Length.....	76.73	25.28
<b>23 21 13 23-2671 4" Nipples (23 21 13 23-2621)</b>		
23 21 13 23-2672 EA 1/4" Diameter Chrome Plated Nipple, 4" Length.....	16.92	7.08
23 21 13 23-2673 EA 3/8" Diameter Chrome Plated Nipple, 4" Length.....	16.31	7.58
23 21 13 23-2674 EA 1/2" Diameter Chrome Plated Nipple, 4" Length.....	19.04	8.00
23 21 13 23-2675 EA 3/4" Diameter Chrome Plated Nipple, 4" Length.....	27.39	10.41
23 21 13 23-2676 EA 1" Diameter Chrome Plated Nipple, 4" Length.....	35.08	13.24
23 21 13 23-2677 EA 1-1/4" Diameter Chrome Plated Nipple, 4" Length.....	54.19	17.92
23 21 13 23-2678 EA 1-1/2" Diameter Chrome Plated Nipple, 4" Length.....	66.47	20.75
23 21 13 23-2679 EA 2" Diameter Chrome Plated Nipple, 4" Length.....	82.53	25.49
<b>23 21 13 23-2680 4-1/2" Nipples (23 21 13 23-2621)</b>		
23 21 13 23-2681 EA 1/4" Diameter Chrome Plated Nipple, 4-1/2" Length.....	17.54	7.30
23 21 13 23-2682 EA 3/8" Diameter Chrome Plated Nipple, 4-1/2" Length.....	17.72	7.79
23 21 13 23-2683 EA 1/2" Diameter Chrome Plated Nipple, 4-1/2" Length.....	20.88	8.71
23 21 13 23-2684 EA 3/4" Diameter Chrome Plated Nipple, 4-1/2" Length.....	28.57	10.62
23 21 13 23-2685 EA 1" Diameter Chrome Plated Nipple, 4-1/2" Length.....	39.67	13.45
23 21 13 23-2686 EA 1-1/4" Diameter Chrome Plated Nipple, 4-1/2" Length.....	57.99	18.20
23 21 13 23-2687 EA 1-1/2" Diameter Chrome Plated Nipple, 4-1/2" Length.....	68.55	21.03
23 21 13 23-2688 EA 2" Diameter Chrome Plated Nipple, 4-1/2" Length.....	87.87	25.77
<b>23 21 13 23-2689 5" Nipples (23 21 13 23-2621)</b>		
23 21 13 23-2690 EA 1/4" Diameter Chrome Plated Nipple, 5" Length.....	19.70	7.58
23 21 13 23-2691 EA 3/8" Diameter Chrome Plated Nipple, 5" Length.....	18.59	8.00



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2692 EA 1/2" Diameter Chrome Plated Nipple, 5" Length.....	21.64	8.99
23 21 13 23-2693 EA 3/4" Diameter Chrome Plated Nipple, 5" Length.....	29.69	10.83
23 21 13 23-2694 EA 1" Diameter Chrome Plated Nipple, 5" Length.....	42.44	13.67
23 21 13 23-2695 EA 1-1/4" Diameter Chrome Plated Nipple, 5" Length.....	61.43	18.41
23 21 13 23-2696 EA 1-1/2" Diameter Chrome Plated Nipple, 5" Length.....	73.26	21.24
23 21 13 23-2697 EA 2" Diameter Chrome Plated Nipple, 5" Length.....	91.32	25.99
<b>23 21 13 23-2698 5-1/2" Nipples (23 21 13 23-2621)</b>		
23 21 13 23-2699 EA 1/4" Diameter Chrome Plated Nipple, 5-1/2" Length.....	20.35	7.79
23 21 13 23-2700 EA 3/8" Diameter Chrome Plated Nipple, 5-1/2" Length.....	19.27	8.28
23 21 13 23-2701 EA 1/2" Diameter Chrome Plated Nipple, 5-1/2" Length.....	23.79	9.20
23 21 13 23-2702 EA 3/4" Diameter Chrome Plated Nipple, 5-1/2" Length.....	30.82	11.12
23 21 13 23-2703 EA 1" Diameter Chrome Plated Nipple, 5-1/2" Length.....	43.89	13.95
23 21 13 23-2704 EA 1-1/4" Diameter Chrome Plated Nipple, 5-1/2" Length.....	65.61	18.62
23 21 13 23-2705 EA 1-1/2" Diameter Chrome Plated Nipple, 5-1/2" Length.....	77.02	21.46
23 21 13 23-2706 EA 2" Diameter Chrome Plated Nipple, 5-1/2" Length.....	95.71	26.20
<b>23 21 13 23-2707 6" Nipples (23 21 13 23-2621)</b>		
23 21 13 23-2708 EA 1/4" Diameter Chrome Plated Nipple, 6" Length.....	21.11	8.00
23 21 13 23-2709 EA 3/8" Diameter Chrome Plated Nipple, 6" Length.....	19.65	8.50
23 21 13 23-2710 EA 1/2" Diameter Chrome Plated Nipple, 6" Length.....	24.50	9.41
23 21 13 23-2711 EA 3/4" Diameter Chrome Plated Nipple, 6" Length.....	31.73	11.33
23 21 13 23-2712 EA 1" Diameter Chrome Plated Nipple, 6" Length.....	48.34	14.16
23 21 13 23-2713 EA 1-1/4" Diameter Chrome Plated Nipple, 6" Length.....	68.17	18.91
23 21 13 23-2714 EA 1-1/2" Diameter Chrome Plated Nipple, 6" Length.....	82.81	21.74
23 21 13 23-2715 EA 2" Diameter Chrome Plated Nipple, 6" Length.....	99.73	26.49
<b>23 21 13 23-2716 8" Nipples (23 21 13 23-2621)</b>		
23 21 13 23-2717 EA 3/8" Diameter Chrome Plated Nipple, 8" Length.....	23.58	8.99
23 21 13 23-2718 EA 1/2" Diameter Chrome Plated Nipple, 8" Length.....	35.22	9.92
23 21 13 23-2719 EA 3/4" Diameter Chrome Plated Nipple, 8" Length.....	42.86	11.82
23 21 13 23-2720 EA 1" Diameter Chrome Plated Nipple, 8" Length.....	57.09	14.65
23 21 13 23-2721 EA 1-1/4" Diameter Chrome Plated Nipple, 8" Length.....	82.10	19.33
23 21 13 23-2722 EA 1-1/2" Diameter Chrome Plated Nipple, 8" Length.....	101.03	22.16
23 21 13 23-2723 EA 2" Diameter Chrome Plated Nipple, 8" Length.....	124.52	26.91
<b>23 21 13 23-2724 10" Nipples (23 21 13 23-2621)</b>		
23 21 13 23-2725 EA 3/8" Diameter Chrome Plated Nipple, 10" Length.....	27.36	8.99
23 21 13 23-2726 EA 1/2" Diameter Chrome Plated Nipple, 10" Length.....	39.99	9.92
23 21 13 23-2727 EA 3/4" Diameter Chrome Plated Nipple, 10" Length.....	48.38	11.82
23 21 13 23-2728 EA 1" Diameter Chrome Plated Nipple, 10" Length.....	65.44	14.65
23 21 13 23-2729 EA 1-1/4" Diameter Chrome Plated Nipple, 10" Length.....	99.97	19.33
23 21 13 23-2730 EA 1-1/2" Diameter Chrome Plated Nipple, 10" Length.....	114.63	22.16
23 21 13 23-2731 EA 2" Diameter Chrome Plated Nipple, 10" Length.....	146.28	26.91
<b>23 21 13 23-2732 12" Nipples (23 21 13 23-2621)</b>		
23 21 13 23-2733 EA 3/8" Diameter Chrome Plated Nipple, 12" Length.....	30.53	9.92
23 21 13 23-2734 EA 1/2" Diameter Chrome Plated Nipple, 12" Length.....	41.86	10.41
23 21 13 23-2735 EA 3/4" Diameter Chrome Plated Nipple, 12" Length.....	53.52	12.25
23 21 13 23-2736 EA 1" Diameter Chrome Plated Nipple, 12" Length.....	77.00	15.58
23 21 13 23-2737 EA 1-1/4" Diameter Chrome Plated Nipple, 12" Length.....	112.32	20.32
23 21 13 23-2738 EA 2" Diameter Chrome Plated Nipple, 12" Length.....	165.13	27.90
<b>23 21 13 23-2739 18" Nipples (23 21 13 23-2621)</b>		
23 21 13 23-2740 EA 3/8" Diameter Chrome Plated Nipple, 18" Length.....	39.20	10.41
<b>23 21 13 23-2741 24" Nipples (23 21 13 23-2621)</b>		
23 21 13 23-2742 EA 3/8" Diameter Chrome Plated Nipple, 24" Length.....	47.50	10.83
<b>23 21 13 23-2743 30" Nipples (23 21 13 23-2621)</b>		
23 21 13 23-2744 EA 3/8" Diameter Chrome Plated Nipple, 30" Length.....	52.77	11.33
<b>23 21 13 23-2745 36" Nipples (23 21 13 23-2621)</b>		
23 21 13 23-2746 EA 3/8" Diameter Chrome Plated Nipple, 36" Length.....	58.05	11.82
<b>23 21 13 23-2747 Chrome Plated Fittings (23 21 13 23-2620)</b>		
<b>23 21 13 23-2748 Chrome Plated 90 Degree Elbows (23 21 13 23-2747)</b>		
23 21 13 23-2749 EA 1/4" 90 Degree Elbow, Chrome Plated.....	16.28	6.58

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2750	EA	3/8" 90 Degree Elbow, Chrome Plated.....	16.57	7.08
23 21	13 23-2751	EA	1/2" 90 Degree Elbow, Chrome Plated.....	18.69	7.58
23 21	13 23-2752	EA	3/4" 90 Degree Elbow, Chrome Plated.....	23.82	9.92
23 21	13 23-2753	EA	1" 90 Degree Elbow, Chrome Plated.....	32.41	12.75
23 21	13 23-2754	EA	1-1/4" 90 Degree Elbow, Chrome Plated.....	50.03	17.49
23 21	13 23-2755	EA	1-1/2" 90 Degree Elbow, Chrome Plated.....	60.16	20.32
23 21	13 23-2756	EA	2" 90 Degree Elbow, Chrome Plated.....	82.58	25.06
<b>23 21</b>	<b>13 23-2757</b>		<b>Chrome Plated Street 90 Degree Elbows</b> (23 21 13 23-2747)		
23 21	13 23-2758	EA	1/4" Street 90 Degree Elbow, Chrome Plated.....	18.95	6.58
23 21	13 23-2759	EA	3/8" Street 90 Degree Elbow, Chrome Plated.....	19.50	7.08
23 21	13 23-2760	EA	1/2" Street 90 Degree Elbow, Chrome Plated.....	20.72	7.58
23 21	13 23-2761	EA	3/4" Street 90 Degree Elbow, Chrome Plated.....	26.82	9.92
23 21	13 23-2762	EA	1" Street 90 Degree Elbow, Chrome Plated.....	37.95	12.75
23 21	13 23-2763	EA	1-1/4" Street 90 Degree Elbow, Chrome Plated.....	55.70	17.49
23 21	13 23-2764	EA	1-1/2" Street 90 Degree Elbow, Chrome Plated.....	68.10	20.32
23 21	13 23-2765	EA	2" Street 90 Degree Elbow, Chrome Plated.....	101.28	25.06
<b>23 21</b>	<b>13 23-2766</b>		<b>Chrome Plated 45 Degree Elbows</b> (23 21 13 23-2747)		
23 21	13 23-2767	EA	1/4" 45 Degree Elbow, Chrome Plated.....	16.87	6.58
23 21	13 23-2768	EA	3/8" 45 Degree Elbow, Chrome Plated.....	17.42	7.08
23 21	13 23-2769	EA	1/2" 45 Degree Elbow, Chrome Plated.....	19.29	7.58
23 21	13 23-2770	EA	3/4" 45 Degree Elbow, Chrome Plated.....	26.11	9.92
23 21	13 23-2771	EA	1" 45 Degree Elbow, Chrome Plated.....	34.98	12.75
23 21	13 23-2772	EA	1-1/4" 45 Degree Elbow, Chrome Plated.....	53.11	17.49
23 21	13 23-2773	EA	1-1/2" 45 Degree Elbow, Chrome Plated.....	64.27	20.32
23 21	13 23-2774	EA	2" 45 Degree Elbow, Chrome Plated.....	93.89	25.06
<b>23 21</b>	<b>13 23-2775</b>		<b>Chrome Plated Street 45 Degree Elbows</b> (23 21 13 23-2747)		
23 21	13 23-2776	EA	1/2" Street 45 Degree Elbow, Chrome Plated.....	22.95	7.58
<b>23 21</b>	<b>13 23-2777</b>		<b>Chrome Plated Couplings</b> (23 21 13 23-2747)		
23 21	13 23-2778	EA	1/4" Coupling, Chrome Plated.....	15.92	6.58
23 21	13 23-2779	EA	3/8" Coupling, Chrome Plated.....	16.62	7.08
23 21	13 23-2780	EA	1/2" Coupling, Chrome Plated.....	18.84	7.58
23 21	13 23-2781	EA	3/4" Coupling, Chrome Plated.....	23.88	9.92
23 21	13 23-2782	EA	1" Coupling, Chrome Plated.....	31.15	12.75
23 21	13 23-2783	EA	1-1/4" Coupling, Chrome Plated.....	45.42	17.49
23 21	13 23-2784	EA	1-1/2" Coupling, Chrome Plated.....	56.30	20.32
23 21	13 23-2785	EA	2" Coupling, Chrome Plated.....	77.87	25.06
<b>23 21</b>	<b>13 23-2786</b>		<b>Chrome Plated Unions</b> (23 21 13 23-2747)		
23 21	13 23-2787	EA	1/4" Union, Chrome Plated.....	25.82	7.58
23 21	13 23-2788	EA	3/8" Union, Chrome Plated.....	26.53	8.00
23 21	13 23-2789	EA	1/2" Union, Chrome Plated.....	32.14	8.99
23 21	13 23-2790	EA	3/4" Union, Chrome Plated.....	39.80	11.82
23 21	13 23-2791	EA	1" Union, Chrome Plated.....	50.32	15.09
23 21	13 23-2792	EA	1-1/4" Union, Chrome Plated.....	81.95	20.32
23 21	13 23-2793	EA	1-1/2" Union, Chrome Plated.....	102.14	24.08
23 21	13 23-2794	EA	2" Union, Chrome Plated.....	133.48	29.32
<b>23 21</b>	<b>13 23-2795</b>		<b>Chrome Plated Caps</b> (23 21 13 23-2747)		
23 21	13 23-2796	EA	1/4" Cap, Chrome Plated.....	10.81	3.33
23 21	13 23-2797	EA	3/8" Cap, Chrome Plated.....	11.16	3.54
23 21	13 23-2798	EA	1/2" Cap, Chrome Plated.....	12.76	3.75
23 21	13 23-2799	EA	3/4" Cap, Chrome Plated.....	15.90	4.96
23 21	13 23-2800	EA	1" Cap, Chrome Plated.....	18.85	6.37
23 21	13 23-2801	EA	1-1/4" Cap, Chrome Plated.....	27.89	8.71
23 21	13 23-2802	EA	1-1/2" Cap, Chrome Plated.....	36.87	10.13
23 21	13 23-2803	EA	2" Cap, Chrome Plated.....	54.04	13.24
<b>23 21</b>	<b>13 23-2804</b>		<b>Chrome Plated Plugs</b> (23 21 13 23-2747)		
23 21	13 23-2805	EA	1/4" Plug, Chrome Plated.....	8.77	3.33
23 21	13 23-2806	EA	3/8" Plug, Chrome Plated.....	9.12	3.54
23 21	13 23-2807	EA	1/2" Plug, Chrome Plated.....	10.62	3.75
23 21	13 23-2808	EA	3/4" Plug, Chrome Plated.....	14.38	4.96
23 21	13 23-2809	EA	1" Plug, Chrome Plated.....	17.69	6.37
23 21	13 23-2810	EA	1-1/4" Plug, Chrome Plated.....	23.88	8.71
23 21	13 23-2811	EA	1-1/2" Plug, Chrome Plated.....	29.53	10.13
23 21	13 23-2812	EA	2" Plug, Chrome Plated.....	41.27	13.24



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 21 13 23-2813</b>			<b>Chrome Plated Tees</b> (23 21 13 23-2747)		
23 21 13 23-2814	EA		1/4" Tee, Chrome Plated .....	22.54	9.92
23 21 13 23-2815	EA		3/8" Tee, Chrome Plated .....	23.96	10.83
23 21 13 23-2816	EA		1/2" Tee, Chrome Plated .....	26.73	11.82
23 21 13 23-2817	EA		3/4" Tee, Chrome Plated .....	33.30	14.65
23 21 13 23-2818	EA		1" Tee, Chrome Plated .....	47.52	18.91
23 21 13 23-2819	EA		1-1/4" Tee, Chrome Plated .....	65.52	25.99
23 21 13 23-2820	EA		1-1/2" Tee, Chrome Plated .....	84.16	30.23
23 21 13 23-2821	EA		2" Tee, Chrome Plated .....	115.84	37.32
<b>23 21 13 23-2822</b>			<b>Chrome Plated Reducing 90 Degree Elbows</b> (23 21 13 23-2747)		
23 21 13 23-2823	EA		1/2" x 3/8" Reducing 90 Degree Elbow, Chrome Plated .....	25.37	11.82
23 21 13 23-2824	EA		3/4" x 1/2" Reducing 90 Degree Elbow, Chrome Plated .....	29.62	14.65
<b>23 21 13 23-2825</b>			<b>Chrome Plated Bell Reducers</b> (23 21 13 23-2747)		
23 21 13 23-2826	EA		1/2" x 3/8" Bell Reducer, Chrome Plated .....	27.84	11.82
23 21 13 23-2827	EA		3/4" x 1/2" Bell Reducer, Chrome Plated .....	33.86	14.65
23 21 13 23-2828	EA		1" x 1/2" Bell Reducer, Chrome Plated .....	42.99	18.91
<b>23 21 13 23-2829</b>			<b>Chrome Plated Reducing Tees</b> (23 21 13 23-2747)		
23 21 13 23-2830	EA		3/4" x 1/2" Reducing Tee, Chrome Plated .....	36.98	14.65
<b>23 21 13 23-2831</b>			<b>Chrome Plated Bushings</b> (23 21 13 23-2747)		
23 21 13 23-2832	EA		3/8" x 1/4" Bushing, Chrome Plated .....	8.71	3.33
23 21 13 23-2833	EA		1/2" x 1/4" Bushing, Chrome Plated .....	9.38	3.54
23 21 13 23-2834	EA		1/2" x 3/8" Bushing, Chrome Plated .....	9.73	3.75
23 21 13 23-2835	EA		3/4" x 1/2" Bushing, Chrome Plated .....	12.36	4.96
23 21 13 23-2836	EA		1" x 3/4" Bushing, Chrome Plated .....	18.08	6.37
23 21 13 23-2837	EA		1-1/4" x 1" Bushing, Chrome Plated .....	26.52	8.71
<b>23 21 16</b>			<b>Hydronic Piping Specialties</b> (23 21)		
<b>23 21 16 00-0001</b>			<b>Air Vents</b> (23 21 16)		
<b>23 21 16 00-0002</b>			<b>Screwed Ends, Cast Iron, Automatic Air Vents</b> (23 21 16 00-0001)		
			Note: With guided free floating lever.		
23 21 16 00-0003	EA		1/2" NPT, Cast Iron, Automatic Air Vent .....	240.06	21.09
23 21 16 00-0004	EA		3/4" NPT, Cast Iron, Automatic Air Vent .....	292.98	27.99
23 21 16 00-0005	EA		1" NPT, Cast Iron, Automatic Air Vent .....	685.62	29.08
23 21 16 00-0006	EA		1-1/4" NPT, Cast Iron, Automatic Air Vent .....	1,015.78	44.94
23 21 16 00-0007	EA		1-1/2" NPT, Cast Iron, Automatic Air Vent .....	1,707.23	48.36
23 21 16 00-0008	EA		2" NPT, Cast Iron, Automatic Air Vent .....	1,956.11	63.77
<b>23 21 16 00-0009</b>			<b>Forged Steel, Stainless Steel Internals, Automatic Air Vents</b> (23 21 16 00-0001)		
			Note: With guided free floating lever.		
23 21 16 00-0010	EA		1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent .....	1,356.41	24.35
23 21 16 00-0011	EA		3/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent .....	1,700.34	27.99
23 21 16 00-0012	EA		1" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent .....	2,029.55	29.08
23 21 16 00-0013	EA		1-1/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent .....	3,330.46	45.08
23 21 16 00-0014	EA		1-1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent .....	3,847.10	48.36
23 21 16 00-0015	EA		2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent .....	5,656.93	63.62
<b>23 21 16 00-0016</b>			<b>Manual Air Vent</b> (23 21 16 00-0001)		
23 21 16 00-0017	EA		Manual Air Vent .....	58.46	26.25
<b>23 21 16 00-0018</b>			<b>Automatic Air Vent</b> (23 21 16 00-0001)		
23 21 16 00-0019	EA		3/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR) .....	144.62	27.99
23 21 16 00-0020	EA		1" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR) .....	158.11	29.08
23 21 16 00-0021	EA		1-1/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR) .....	224.47	44.94
23 21 16 00-0022	EA		1-1/2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR) .....	276.38	48.36
23 21 16 00-0023	EA		2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR) .....	351.29	52.11
<b>23 21 16 00-0024</b>			<b>Air Release Valves</b> (23 21 16 00-0001)		
<b>23 21 16 00-0025</b>			<b>Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)</b> (23 21 16 00-0024)		
			Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0026	EA		1/2" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50) .....	125.64	10.91
23 21 16 00-0027	EA		3/4" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50) .....	128.55	12.36
23 21 16 00-0028	EA		1" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50) .....	134.36	15.27

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0029			<b>Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)</b> <sup>(23)</sup> <small>21 16 00-0024</small> Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0030	EA		2" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200) .....	618.37	26.54
23 21 16 00-0031	EA		3" Flanged, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200) .....	810.75	61.88
23 21 16 00-0032			<b>Cast Iron, Air/Vacuum Valves</b> <sup>(23 21 16 00-0024)</sup> Note: Up to 150 psi. Stainless steel float.		
23 21 16 00-0033	EA		1/2" NPT, Cast Iron, Air/Vacuum Valve (Apco 141) .....	249.25	10.91
23 21 16 00-0034	EA		1" NPT, Cast Iron, Air/Vacuum Valve (Apco 142) .....	307.41	15.27
23 21 16 00-0035	EA		2" NPT, Cast Iron, Air/Vacuum Valve (Apco 144) .....	531.02	26.54
23 21 16 00-0036	EA		3" Flanged, Cast Iron, Air/Vacuum Valve (Apco 146) .....	771.20	61.88
23 21 16 00-0037	EA		4" Flanged, Cast Iron, Air/Vacuum Valve (Apco 152) .....	1,206.05	103.87
23 21 16 00-0038	EA		6" Flanged Cast Iron Air Release Valve (APCO 153) .....	1,837.00	131.35
23 21 16 00-0039			<b>Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice</b> <sup>(23 21 16 00-0024)</sup> Note: Up to 150 psi. Stainless Steel float.		
23 21 16 00-0040	EA		1" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 143C) .....	445.85	15.27
23 21 16 00-0041	EA		2" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 145C) .....	684.29	26.54
23 21 16 00-0042	EA		3" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 147C) .....	1,257.39	61.88
23 21 16 00-0043	EA		4" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 149C) .....	1,629.61	103.87
23 21 16 00-0044			<b>Vent Valves</b> <sup>(23 21 16)</sup>		
23 21 16 00-0045	EA		1/8", 1.5 PSIG Operating Pressure, Non Vacuum Adjustable Angle Radiator Steam Vent Valve (Hoffman 1A) .....	48.02	10.91
23 21 16 00-0046	EA		1/2" x 3/4", 35 PSIG Operating Pressure, Straight Steam Unit Heater Air Vent Valve (Hoffman 74) .....	114.04	11.72
23 21 16 00-0047	EA		1/2" x 3/4", 3 PSIG Operating Pressure, Non Vacuum Main Steam Air Vent Valve (Hoffman 75) .....	108.78	11.72
23 21 16 00-0048	EA		1/2" x 3/4", 10 PSIG Operating Pressure, Non Vacuum Straight Non-Vacuum Main Steam Air Vent Valve (Hoffman 75H) .....	112.46	11.72
23 21 16 00-0049	EA		3/4", 150 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 78) .....	144.65	11.72
23 21 16 00-0050	EA		1/2" x 3/4", 75 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 79) .....	107.34	11.72
23 21 16 00-0051			<b>Threaded Inlet, Drip-Pan Elbow</b> <sup>(23 21 16)</sup>		
23 21 16 00-0052			<b>Cast Iron, Threaded Inlet, Drip-Pan Elbow</b> <sup>(23 21 16 00-0051)</sup>		
23 21 16 00-0053	EA		2-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow .....	179.05	18.28
			<i>For Flanged Inlet, Add</i> .....	72.51	
23 21 16 00-0054	EA		3" Cast Iron, Threaded Inlet, Drip-Pan Elbow .....	201.84	21.67
			<i>For Flanged Inlet, Add</i> .....	77.84	
23 21 16 00-0055	EA		3-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow .....	255.50	25.06
			<i>For Flanged Inlet, Add</i> .....	105.01	
23 21 16 00-0056	EA		4" Cast Iron, Threaded Inlet, Drip-Pan Elbow .....	386.48	28.43
			<i>For Flanged Inlet, Add</i> .....	184.76	
23 21 16 00-0057	EA		5" Cast Iron, Threaded Inlet, Drip-Pan Elbow .....	435.79	33.85
			<i>For Flanged Inlet, Add</i> .....	204.25	
23 21 16 00-0058	EA		6" Cast Iron, Threaded Inlet, Drip-Pan Elbow .....	608.22	42.66
			<i>For Flanged Inlet, Add</i> .....	298.48	
23 21 16 00-0059	EA		8" Cast Iron, Threaded Inlet, Drip-Pan Elbow .....	1,393.72	56.20
			<i>For Flanged Inlet, Add</i> .....	794.25	
23 21 16 00-0060			<b>Cast Steel, Threaded Inlet, Drip-Pan Elbow</b> <sup>(23 21 16 00-0051)</sup>		
23 21 16 00-0061	EA		2-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow .....	364.13	18.28
			<i>For Flanged Inlet, Add</i> .....	198.36	
23 21 16 00-0062	EA		3" Cast Steel, Threaded Inlet, Drip-Pan Elbow .....	440.84	21.67
			<i>For Flanged Inlet, Add</i> .....	240.36	
23 21 16 00-0063	EA		3-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow .....	627.86	25.06
			<i>For Flanged Inlet, Add</i> .....	358.22	
23 21 16 00-0064	EA		4" Cast Steel, Threaded Inlet, Drip-Pan Elbow .....	641.56	28.43
			<i>For Flanged Inlet, Add</i> .....	358.22	
23 21 16 00-0065	EA		5" Cast Steel, Threaded Inlet, Drip-Pan Elbow .....	921.40	33.85
			<i>For Flanged Inlet, Add</i> .....	534.47	
23 21 16 00-0066	EA		6" Cast Steel, Threaded Inlet, Drip-Pan Elbow .....	955.26	42.66
			<i>For Flanged Inlet, Add</i> .....	534.47	
23 21 16 00-0067	EA		8" Cast Steel, Threaded Inlet, Drip-Pan Elbow .....	1,575.42	56.20
			<i>For Flanged Inlet, Add</i> .....	917.81	
23 21 16 00-0068			<b>Y-Type Strainers</b> <sup>(23 21 16)</sup>		
23 21 16 00-0069			<b>Screwed Ends, 250 LB, Iron Body, Y-Type Strainers</b> <sup>(23 21 16 00-0068)</sup>		
23 21 16 00-0070	EA		1/4" Or 3/8" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer .....	62.93	8.14
			<i>For Galvanized Body, Add</i> .....	19.83	
			<i>For Work In Restricted Working Space, Add</i> .....	6.98	
23 21 16 00-0071	EA		1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer .....	63.29	8.29
			<i>For Galvanized Body, Add</i> .....	19.83	
			<i>For Work In Restricted Working Space, Add</i> .....	7.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0072 EA 3/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	79.34	11.20
<i>For Galvanized Body, Add</i>	23.67	
<i>For Work In Restricted Working Space, Add</i>	9.60	
23 21 16 00-0073 EA 1" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	102.14	13.38
<i>For Galvanized Body, Add</i>	31.99	
<i>For Work In Restricted Working Space, Add</i>	11.45	
23 21 16 00-0074 EA 1-1/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	134.90	16.54
<i>For Galvanized Body, Add</i>	43.82	
<i>For Work In Restricted Working Space, Add</i>	14.18	
23 21 16 00-0075 EA 1-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	156.45	17.81
<i>For Galvanized Body, Add</i>	52.78	
<i>For Work In Restricted Working Space, Add</i>	15.27	
23 21 16 00-0076 EA 2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	220.64	20.36
<i>For Galvanized Body, Add</i>	81.24	
<i>For Work In Restricted Working Space, Add</i>	17.45	
23 21 16 00-0077 EA 2-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	437.97	25.45
<i>For Galvanized Body, Add</i>	182.63	
<i>For Work In Restricted Working Space, Add</i>	21.81	
23 21 16 00-0078 EA 3" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer.....	568.09	31.84
<i>For Galvanized Body, Add</i>	238.60	
<i>For Work In Restricted Working Space, Add</i>	27.27	
<b>23 21 16 00-0079 Flanged, 125 LB, Iron Body , Y-Type Strainers (2321 16 00-0068)</b>		
23 21 16 00-0080 EA 1-1/2" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	189.33	76.35
<i>For Galvanized Body, Add</i>	46.83	
<i>For Work In Restricted Working Space, Add</i>	28.70	
23 21 16 00-0081 EA 2" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	222.55	96.92
<i>For Galvanized Body, Add</i>	50.68	
<i>For Work In Restricted Working Space, Add</i>	36.36	
23 21 16 00-0082 EA 3" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	396.34	123.61
<i>For Galvanized Body, Add</i>	120.82	
<i>For Work In Restricted Working Space, Add</i>	46.41	
23 21 16 00-0083 EA 4" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	533.88	207.22
<i>For Galvanized Body, Add</i>	137.10	
<i>For Work In Restricted Working Space, Add</i>	77.90	
23 21 16 00-0084 EA 5" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	545.59	191.35
<i>For Galvanized Body, Add</i>	153.39	
<i>For Work In Restricted Working Space, Add</i>	71.65	
23 21 16 00-0085 EA 6" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	647.71	212.61
<i>For Galvanized Body, Add</i>	190.50	
<i>For Work In Restricted Working Space, Add</i>	80.02	
23 21 16 00-0086 EA 8" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	1,087.83	271.67
<i>For Galvanized Body, Add</i>	375.18	
<i>For Work In Restricted Working Space, Add</i>	101.24	
23 21 16 00-0087 EA 10" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	2,085.83	330.72
<i>For Galvanized Body, Add</i>	836.22	
<i>For Work In Restricted Working Space, Add</i>	124.02	
23 21 16 00-0088 EA 12" Flanged, 125 LB, Iron Body, Y-Type Strainer.....	2,329.53	295.29
<i>For Galvanized Body, Add</i>	869.48	
<i>For Work In Restricted Working Space, Add</i>	177.17	
<b>23 21 16 00-0089 Screwed Ends, 150 LB, Bronze Body, Y-Type Strainers (2321 16 00-0068)</b>		
Note: With screwed cap (4" size has bolted cap).		
23 21 16 00-0090 EA 1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	45.17	8.29
<i>For 300 LB Rating, Add</i>	36.62	
<i>For Work In Restricted Working Space, Add</i>	7.09	
23 21 16 00-0091 EA 3/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	60.00	11.20
<i>For 300 LB Rating, Add</i>	47.60	
<i>For Work In Restricted Working Space, Add</i>	9.60	
23 21 16 00-0092 EA 1" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	73.44	13.38
<i>For 300 LB Rating, Add</i>	59.96	
<i>For Work In Restricted Working Space, Add</i>	11.45	
23 21 16 00-0093 EA 1-1/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	91.42	16.54
<i>For 300 LB Rating, Add</i>	75.07	
<i>For Work In Restricted Working Space, Add</i>	14.18	
23 21 16 00-0094 EA 1-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	108.25	17.81
<i>For 300 LB Rating, Add</i>	97.50	
<i>For Work In Restricted Working Space, Add</i>	15.27	
23 21 16 00-0095 EA 2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	151.32	20.36
<i>For 300 LB Rating, Add</i>	158.37	
<i>For Work In Restricted Working Space, Add</i>	17.45	
23 21 16 00-0096 EA 2-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	226.45	25.45
<i>For 300 LB Rating, Add</i>	261.36	
<i>For Work In Restricted Working Space, Add</i>	21.81	
23 21 16 00-0097 EA 3" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	409.64	31.84
<i>For 300 LB Rating, Add</i>	541.88	
<i>For Work In Restricted Working Space, Add</i>	27.27	
23 21 16 00-0098 EA 4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer.....	714.00	38.17
<i>For 300 LB Rating, Add</i>	1,028.40	
<i>For Work In Restricted Working Space, Add</i>	32.72	



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0099			<b>Flanged, 150 LB, Bronze Body, Y-Type Strainers</b> (23 21 16 00-0068) Note: With bolted cap.		
23 21 16 00-0100	EA		2" Flanged, 150 LB, Bronze Body, Y-Type Strainer ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	388.76 160.54 36.36	96.92
23 21 16 00-0101	EA		2-1/2" Flanged, 150 LB, Bronze Body, Y-Type Strainer ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	404.81 163.57 39.66	105.43
23 21 16 00-0102	EA		3" Flanged, 150 LB, Bronze Body, Y-Type Strainer ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	466.88 187.30 46.41	123.61
23 21 16 00-0103	EA		4" Flanged, 150 LB, Bronze Body, Y-Type Strainer ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,018.20 455.11 77.90	207.22
23 21 16 00-0104	EA		6" Flanged, 150 LB, Bronze Body, Y-Type Strainer ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,416.50 689.87 80.02	212.61
23 21 16 00-0105	EA		8" Flanged, 150 LB, Bronze Body, Y-Type Strainer ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,299.67 1,177.32 101.24	271.67
23 21 16 00-0106	EA		10" Flanged, 150 LB, Bronze Body, Y-Type Strainer ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	7,455.99 4,225.55 124.02	330.72
23 21 16 00-0107			<b>Polyvinyl Chloride (PVC) Body, Y-Type Strainers</b> (23 21 16 00-0068)		
23 21 16 00-0108			<b>Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainers</b> (23 21 16 00-0107)		
23 21 16 00-0109	EA		1/2" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i>	77.37 6.80	7.79
23 21 16 00-0110	EA		3/4" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i>	91.58 9.14	10.69
23 21 16 00-0111	EA		1" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i>	108.49 12.53	14.51
23 21 16 00-0112	EA		1-1/4" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i>	167.10 13.38	15.58
23 21 16 00-0113	EA		1-1/2" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i>	169.57 14.45	16.85
23 21 16 00-0114	EA		2" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i>	198.42 16.36	19.12
23 21 16 00-0115	EA		2-1/2" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i>	413.31 21.24	24.78
23 21 16 00-0116	EA		3" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i>	409.62 26.56	31.01
23 21 16 00-0117	EA		4" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i>	656.69 28.25	33.00
23 21 16 00-0118			<b>Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainers</b> (23 21 16 00-0107)		
23 21 16 00-0119	EA		2" Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i>	327.56 26.56	44.25
23 21 16 00-0120	EA		2-1/2" Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i>	637.49 34.62	57.71
23 21 16 00-0121	EA		3" Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i>	646.58 45.20	120.37
23 21 16 00-0122	EA		4" Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i>	1,052.07 75.87	201.80
23 21 16 00-0123			<b>Class 125, Crimped Bronze Body, Y-Type Strainers</b> (23 21 16 00-0068) Note: Nibco®		
23 21 16 00-0124	EA		1/2" Class 125, Crimped Bronze Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i>	116.85 4.78	7.08
23 21 16 00-0125	EA		3/4" Class 125, Crimped Bronze Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i>	135.44 5.44	7.79
23 21 16 00-0126	EA		1" Class 125, Crimped Bronze Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i>	193.87 6.51	8.85
23 21 16 00-0127	EA		1-1/4" Class 125, Crimped Bronze Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i>	261.24 7.17	9.41
23 21 16 00-0128	EA		1-1/2" Class 125, Crimped Bronze Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i>	315.10 7.97	10.90
23 21 16 00-0129	EA		2" Class 125, Crimped Bronze Body, Y-Type Strainer ..... <i>For Work In Restricted Working Space, Add</i>	468.54 9.56	12.89
23 21 16 00-0130			<b>250 PSI, Crimped Bronze Body, Y-Type Strainers</b> (23 21 16 00-0068)		
23 21 16 00-0131	EA		1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer .....	51.42	7.08
23 21 16 00-0132	EA		3/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer .....	62.88	7.79
23 21 16 00-0133	EA		1" 250 PSI, Crimped Bronze Body, Y-Type Strainer .....	92.66	8.85
23 21 16 00-0134	EA		1-1/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer .....	113.51	9.41
23 21 16 00-0135	EA		1-1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer .....	135.66	10.90
23 21 16 00-0136	EA		2" 250 PSI, Crimped Bronze Body, Y-Type Strainer .....	178.45	12.89



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				<b>23 21 16 00-0137 Cast Iron Body, Suction Diffusers <sup>(23 21 16)</sup></b>		
				Note: 175 PSI, steel inlet vanes, steel orifice cylinder and 16 mesh bronze startup strainer.		
				23 21 16 00-0138 EA 2" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser .....	396.35	28.65
				For Work In Restricted Working Space, Add	14.03	
				23 21 16 00-0139 EA 2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser .....	415.51	31.77
				For Work In Restricted Working Space, Add	15.58	
				23 21 16 00-0140 EA 2-1/2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser .....	421.64	33.38
				For Work In Restricted Working Space, Add	16.37	
				23 21 16 00-0141 EA 2-1/2" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser .....	789.44	105.43
				For Work In Restricted Working Space, Add	39.66	
				23 21 16 00-0142 EA 3" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser .....	433.93	38.83
				For Work In Restricted Working Space, Add	19.01	
				23 21 16 00-0143 EA 3" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser .....	493.36	38.83
				For Work In Restricted Working Space, Add	19.01	
				23 21 16 00-0144 EA 3" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser .....	825.17	114.76
				For Work In Restricted Working Space, Add	43.04	
				23 21 16 00-0145 EA 3" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser .....	839.92	123.61
				For Work In Restricted Working Space, Add	46.41	
				23 21 16 00-0146 EA 4" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser .....	1,014.76	165.75
				For Work In Restricted Working Space, Add	62.16	
				23 21 16 00-0147 EA 4" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser .....	1,189.61	207.22
				For Work In Restricted Working Space, Add	77.90	
				23 21 16 00-0148 EA 6" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser .....	1,350.54	191.06
				For Work In Restricted Working Space, Add	71.65	
				23 21 16 00-0149 EA 6" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser .....	1,640.63	212.61
				For Work In Restricted Working Space, Add	80.02	
				23 21 16 00-0150 EA 8" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser .....	1,840.73	271.67
				For Work In Restricted Working Space, Add	101.24	
				23 21 16 00-0151 EA 8" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser .....	2,920.98	271.67
				For Work In Restricted Working Space, Add	101.24	
				23 21 16 00-0152 EA 10" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser .....	3,325.53	330.72
				For Work In Restricted Working Space, Add	124.02	
				23 21 16 00-0153 EA 10" x 10" Flanged, 175 LB, Cast Iron Body, Suction Diffuser .....	3,916.35	330.72
				For Work In Restricted Working Space, Add	124.02	
				<b>23 21 16 00-0154 Duplex Strainers <sup>(23 21 16)</sup></b>		
				<b>23 21 16 00-0155 Iron Body, Duplex Strainers <sup>(23 21 16 00-0154)</sup></b>		
				<b>23 21 16 00-0156 Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers <sup>(23 21 16 00-0155)</sup></b>		
				Note: With brass or stainless steel basket.		
				23 21 16 00-0157 EA 3/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer .....	585.48	18.10
				For Work In Restricted Working Space, Add	10.87	
				23 21 16 00-0158 EA 1" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer .....	653.66	20.73
				For Work In Restricted Working Space, Add	12.44	
				23 21 16 00-0159 EA 1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer .....	886.87	24.35
				For Work In Restricted Working Space, Add	14.61	
				23 21 16 00-0160 EA 1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer .....	1,117.25	26.54
				For Work In Restricted Working Space, Add	15.92	
				23 21 16 00-0161 EA 2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer .....	1,498.12	32.36
				For Work In Restricted Working Space, Add	19.48	
				23 21 16 00-0162 EA 2-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer .....	1,885.09	41.44
				For Work In Restricted Working Space, Add	24.86	
				<b>23 21 16 00-0163 Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers <sup>(23 21 16 00-0155)</sup></b>		
				Note: With brass or stainless steel basket.		
				23 21 16 00-0164 EA 2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer .....	2,037.84	96.92
				For Work In Restricted Working Space, Add	36.36	
				23 21 16 00-0165 EA 2-1/2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer .....	2,106.07	105.43
				For Work In Restricted Working Space, Add	39.66	
				23 21 16 00-0166 EA 3" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer .....	2,700.71	123.61
				For Work In Restricted Working Space, Add	46.41	
				23 21 16 00-0167 EA 4" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer .....	4,215.86	168.31
				For Work In Restricted Working Space, Add	63.28	
				23 21 16 00-0168 EA 6" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer .....	8,276.61	212.61
				For Work In Restricted Working Space, Add	80.02	
				23 21 16 00-0169 EA 8" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer .....	15,785.11	271.67
				For Work In Restricted Working Space, Add	101.24	
				23 21 16 00-0170 EA 10" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer .....	21,811.25	330.72
				For Work In Restricted Working Space, Add	124.02	
				23 21 16 00-0171 EA 12" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer .....	24,634.98	416.95
				For Work In Restricted Working Space, Add	250.25	
				23 21 16 00-0172 EA 14" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer .....	29,426.18	472.47
				For Work In Restricted Working Space, Add	177.17	
				23 21 16 00-0173 EA 16" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer .....	36,808.57	519.71
				For Work In Restricted Working Space, Add	194.89	
				<b>23 21 16 00-0174 Bronze Body, Duplex Strainers <sup>(23 21 16 00-0154)</sup></b>		

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0175			<b>Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainers</b> <sup>(23 21 16 00-0174)</sup>		
			Note: With brass or stainless steel basket.		
23 21 16 00-0176	EA		3/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer .....	1,094.68	18.18
			<i>For Work In Restricted Working Space, Add</i>	10.87	
23 21 16 00-0177	EA		1" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer .....	1,214.36	20.73
			<i>For Work In Restricted Working Space, Add</i>	12.44	
23 21 16 00-0178	EA		1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer .....	1,779.40	24.35
			<i>For Work In Restricted Working Space, Add</i>	14.61	
23 21 16 00-0179	EA		1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer .....	2,341.62	26.54
			<i>For Work In Restricted Working Space, Add</i>	15.92	
23 21 16 00-0180	EA		2-1/2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer .....	3,025.72	32.36
			<i>For Work In Restricted Working Space, Add</i>	19.48	
23 21 16 00-0181	EA		2-1/2" Screwed, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer .....	3,715.92	41.44
			<i>For Work In Restricted Working Space, Add</i>	24.86	
23 21 16 00-0182			<b>Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainers</b> <sup>(23 21 16 00-0174)</sup>		
			Note: With brass or stainless steel basket.		
23 21 16 00-0183	EA		2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer .....	4,240.56	96.92
			<i>For Work In Restricted Working Space, Add</i>	36.36	
23 21 16 00-0184	EA		2-1/2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer .....	4,366.00	105.43
			<i>For Work In Restricted Working Space, Add</i>	39.66	
23 21 16 00-0185	EA		3" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer .....	5,990.49	123.61
			<i>For Work In Restricted Working Space, Add</i>	46.41	
23 21 16 00-0186	EA		4" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer .....	9,422.29	168.31
			<i>For Work In Restricted Working Space, Add</i>	63.28	
23 21 16 00-0187	EA		6" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer .....	20,520.30	212.61
			<i>For Work In Restricted Working Space, Add</i>	80.02	
23 21 16 00-0188			<b>Cast Steel Body, Duplex Strainers</b> <sup>(23 21 16 00-0154)</sup>		
23 21 16 00-0189			<b>Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers</b> <sup>(23 21 16 00-0188)</sup>		
			Note: With brass or stainless steel basket.		
23 21 16 00-0190	EA		1" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer .....	1,707.40	20.73
			<i>For Work In Restricted Working Space, Add</i>	12.44	
23 21 16 00-0191	EA		1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer .....	2,103.32	24.35
			<i>For Work In Restricted Working Space, Add</i>	14.60	
23 21 16 00-0192	EA		1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer .....	2,496.43	26.54
			<i>For Work In Restricted Working Space, Add</i>	15.92	
23 21 16 00-0193	EA		2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer .....	4,229.73	32.36
			<i>For Work In Restricted Working Space, Add</i>	19.48	
23 21 16 00-0194			<b>Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers</b> <sup>(23 21 16 00-0188)</sup>		
			Note: With brass or stainless steel basket.		
23 21 16 00-0195	EA		2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer .....	4,313.76	96.92
			<i>For Work In Restricted Working Space, Add</i>	36.36	
23 21 16 00-0196	EA		2-1/2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer .....	4,741.25	105.43
			<i>For Work In Restricted Working Space, Add</i>	39.66	
23 21 16 00-0197	EA		3" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer .....	6,235.33	123.61
			<i>For Work In Restricted Working Space, Add</i>	46.41	
23 21 16 00-0198	EA		4" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer .....	9,123.61	168.31
			<i>For Work In Restricted Working Space, Add</i>	63.28	
23 21 16 00-0199	EA		6" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer .....	15,593.21	212.61
			<i>For Work In Restricted Working Space, Add</i>	80.02	
23 21 16 00-0200	EA		8" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer .....	30,435.14	271.67
			<i>For Work In Restricted Working Space, Add</i>	101.24	
23 21 16 00-0201			<b>Stainless Steel Body, Duplex Strainers</b> <sup>(23 21 16 00-0154)</sup>		
23 21 16 00-0202			<b>Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers</b> <sup>(23 21 16 00-0201)</sup>		
			Note: With stainless steel basket.		
23 21 16 00-0203	EA		1" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer .....	4,422.97	20.73
			<i>For Work In Restricted Working Space, Add</i>	12.44	
23 21 16 00-0204	EA		1-1/4" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer .....	5,590.46	24.35
			<i>For Work In Restricted Working Space, Add</i>	14.60	
23 21 16 00-0205	EA		1-1/2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer .....	6,747.03	26.54
			<i>For Work In Restricted Working Space, Add</i>	15.92	
23 21 16 00-0206	EA		2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer .....	10,815.80	32.36
			<i>For Work In Restricted Working Space, Add</i>	19.48	
23 21 16 00-0207			<b>Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers</b> <sup>(23 21 16 00-0201)</sup>		
			Note: With stainless steel basket.		
23 21 16 00-0208	EA		2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer .....	11,318.34	96.92
			<i>For Work In Restricted Working Space, Add</i>	36.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0209 EA 2-1/2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	11,897.32 39.66	105.43
23 21 16 00-0210 EA 3" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	18,654.35 46.41	123.61
23 21 16 00-0211 EA 4" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	22,767.49 63.28	168.31
23 21 16 00-0212 EA 6" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	40,024.71 80.02	212.61
23 21 16 00-0213 EA 8" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	74,011.45 101.24	271.67
<b>23 21 16 00-0214 Pressure Regulating Valve <small>(23 21 16)</small></b>		
<b>23 21 16 00-0215 Screwed Ends, Water Pressure Reducing Valves <small>(23 21 16 00-0214)</small></b> <small>Note: For building services, 25 - 75 PSI, up to 300 Lbs. rating, iron construction.</small>		
23 21 16 00-0216 EA 1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve ..... <i>For Work In Restricted Working Space, Add</i>	190.21 10.62	8.85
23 21 16 00-0217 EA 3/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve ..... <i>For Work In Restricted Working Space, Add</i>	236.63 11.80	9.92
23 21 16 00-0218 EA 1" Screwed Ends, Iron Construction, Water Pressure Reducing Valve ..... <i>For Work In Restricted Working Space, Add</i>	316.73 12.50	10.62
23 21 16 00-0219 EA 1-1/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve ..... <i>For Work In Restricted Working Space, Add</i>	555.68 14.16	11.89
23 21 16 00-0220 EA 1-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve ..... <i>For Work In Restricted Working Space, Add</i>	758.07 17.00	14.16
23 21 16 00-0221 EA 2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve ..... <i>For Work In Restricted Working Space, Add</i>	1,083.32 26.08	21.71
23 21 16 00-0222 EA 2-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve ..... <i>For Work In Restricted Working Space, Add</i>	1,176.77 29.34	24.44
23 21 16 00-0223 EA 3" Screwed Ends, Iron Construction, Water Pressure Reducing Valve ..... <i>For Work In Restricted Working Space, Add</i>	1,292.40 32.60	70.73
<b>23 21 16 00-0224 Cast Iron Body, Steam Pressure Regulator And Reducer <small>(23 21 16 00-0214)</small></b> <small>Note: Single seated, spring loaded, direct acting diaphragm valve.</small>		
<b>23 21 16 00-0225 Screwed Ends, Cast Iron Body, Steam Pressure Regulator And Reducer <small>(23 21 16 00-0224)</small></b>		
23 21 16 00-0226 EA 1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	327.60 14.64	12.22
23 21 16 00-0227 EA 3/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	406.51 20.77	17.31
23 21 16 00-0228 EA 1" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	524.56 25.37	21.09
23 21 16 00-0229 EA 1-1/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	708.65 29.48	25.59
23 21 16 00-0230 EA 1-1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	960.44 33.56	29.08
23 21 16 00-0231 EA 2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,120.74 40.63	40.63
<b>23 21 16 00-0232 Flanged, Cast Iron Body, Steam Pressure Regulator And Reducer <small>(23 21 16 00-0224)</small></b> <small>Note: Single seated, spring loaded, direct acting diaphragm valve.</small>		
23 21 16 00-0233 EA 2-1/2" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,670.16 36.94	98.18
23 21 16 00-0234 EA 3" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,324.28 43.22	115.11
23 21 16 00-0235 EA 4" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	4,250.04 72.55	192.98
23 21 16 00-0236 EA 6" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer..... <i>For Work In Restricted Working Space, Add</i>	10,700.16 78.31	208.08
<b>23 21 16 00-0237 Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves <small>(23 21 16 00-0214)</small></b>		
<b>23 21 16 00-0238 Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves <small>(23 21 16 00-0237)</small></b>		
23 21 16 00-0239 EA 1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve ..... <i>For Work In Restricted Working Space, Add</i>	1,955.71 13.31	8.87
23 21 16 00-0240 EA 3/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve ..... <i>For Work In Restricted Working Space, Add</i>	1,997.17 13.31	8.87
23 21 16 00-0241 EA 1" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve ..... <i>For Work In Restricted Working Space, Add</i>	2,123.95 16.80	11.20
23 21 16 00-0242 EA 1-1/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve ..... <i>For Work In Restricted Working Space, Add</i>	2,493.86 21.38	14.25
23 21 16 00-0243 EA 1-1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve ..... <i>For Work In Restricted Working Space, Add</i>	2,854.80 24.65	16.43
23 21 16 00-0244 EA 2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve ..... <i>For Work In Restricted Working Space, Add</i>	3,541.77 29.01	19.34

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 21 16 00-0245		<b>Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves</b> <small>(23 21 16 00-0237)</small>			
23 21 16 00-0246	EA	2-1/2" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve ..... <i>For Work In Restricted Working Space, Add</i>	4,374.18 36.94		98.18
23 21 16 00-0247	EA	3" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve ..... <i>For Work In Restricted Working Space, Add</i>	5,399.17 43.22		115.11
23 21 16 00-0248	EA	4" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve ..... <i>For Work In Restricted Working Space, Add</i>	8,168.23 72.55		192.98
23 21 16 00-0249	EA	6" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve ..... <i>For Work In Restricted Working Space, Add</i>	18,043.63 78.31		208.08
23 21 16 00-0250		<b>Screwed Ends, Cast Iron Body, Air Pressure Reducing Valves</b> <small>(23 21 16 00-0214)</small>			
23 21 16 00-0251	EA	1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....	215.66		9.20
23 21 16 00-0252	EA	3/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....	269.08		10.20
23 21 16 00-0253	EA	1" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....	361.96		10.83
23 21 16 00-0254	EA	1-1/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....	639.29		12.33
23 21 16 00-0255	EA	1-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....	873.38		14.72
23 21 16 00-0256	EA	2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....	1,247.16		22.56
23 21 16 00-0257	EA	2-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....	1,350.91		24.57
23 21 16 00-0258	EA	3" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve .....	1,487.04		28.29
23 21 16 00-0259		<b>Screwed Ends, Bronze Body, Water Pressure Reducing Valves</b> <small>(23 21 16 00-0214)</small> Note: For building services, bronze construction, pressure adjustment, union and strainer, factory set at 45 PSI (Watts 25AUB).			
23 21 16 00-0260	EA	1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve .....	130.71		8.85
23 21 16 00-0261	EA	3/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve .....	143.58		9.92
23 21 16 00-0262	EA	1" Screwed Ends, Bronze Body, Water Pressure Reducing Valve .....	179.45		10.97
23 21 16 00-0263	EA	1-1/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve .....	432.60		11.89
23 21 16 00-0264	EA	1-1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve .....	468.10		14.16
23 21 16 00-0265	EA	2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve .....	735.84		21.71
23 21 16 00-0266		<b>Plastic Pressure Regulator</b> <small>(23 21 16 00-0214)</small>			
23 21 16 00-0267		<b>Polyvinyl Chloride (PVC) Pressure Regulator Valves</b> <small>(23 21 16 00-0266)</small>			
23 21 16 00-0268	EA	1/4" Polyvinyl Chloride (PVC) Pressure Regulator Valve .....	259.49		10.62
23 21 16 00-0269	EA	1/2" Polyvinyl Chloride (PVC) Pressure Regulator Valve .....	283.31		14.72
23 21 16 00-0270	EA	3/4" Polyvinyl Chloride (PVC) Pressure Regulator Valve .....	513.13		17.71
23 21 16 00-0271	EA	1" Polyvinyl Chloride (PVC) Pressure Regulator Valve .....	574.71		23.65
23 21 16 00-0272	EA	1-1/2" Polyvinyl Chloride (PVC) Pressure Regulator Valve .....	678.68		28.32
23 21 16 00-0273	EA	2" Polyvinyl Chloride (PVC) Pressure Regulator Valve .....	820.05		44.25
23 21 16 00-0274		<b>Polypropylene Pressure Regulator Valves</b> <small>(23 21 16 00-0266)</small>			
23 21 16 00-0275	EA	1/4" Polypropylene Pressure Regulator Valve .....	334.13		10.62
23 21 16 00-0276	EA	1/2" Polypropylene Pressure Regulator Valve .....	407.72		14.87
23 21 16 00-0277	EA	3/4" Polypropylene Pressure Regulator Valve .....	631.57		17.71
23 21 16 00-0278	EA	1" Polypropylene Pressure Regulator Valve .....	743.91		23.65
23 21 16 00-0279	EA	1-1/2" Polypropylene Pressure Regulator Valve .....	867.78		28.32
23 21 16 00-0280	EA	2" Polypropylene Pressure Regulator Valve .....	1,062.90		44.25
23 21 16 00-0281		<b>Teflon (PTFE) Pressure Regulator Valves</b> <small>(23 21 16 00-0266)</small>			
23 21 16 00-0282	EA	1/4" Teflon (PTFE) Pressure Regulator Valve .....	727.27		10.62
23 21 16 00-0283	EA	1/2" Teflon (PTFE) Pressure Regulator Valve .....	830.71		14.72
23 21 16 00-0284	EA	3/4" Teflon Pressure Regulator Valve .....	1,408.89		17.71
23 21 16 00-0285	EA	1" Teflon (PTFE) Pressure Regulator Valve .....	1,948.19		23.65
23 21 16 00-0286	EA	1-1/2" Teflon (PTFE) Pressure Regulator Valve .....	2,350.75		28.32
23 21 16 00-0287	EA	2" Teflon (PTFE) Pressure Regulator Valve .....	3,283.37		44.25
23 21 16 00-0288		<b>Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valves</b> <small>(23 21 16 00-0266)</small>			
23 21 16 00-0289	EA	1/4" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve .....	230.23		10.62
23 21 16 00-0290	EA	1/2" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve .....	260.56		14.72
23 21 16 00-0291	EA	3/4" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve .....	426.33		17.71
23 21 16 00-0292	EA	1" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve .....	503.45		23.58
23 21 16 00-0293	EA	1-1/2" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve .....	585.01		28.32
23 21 16 00-0294		<b>Dual Unit Reducing And Relief Valve</b> <small>(23 21 16)</small>			
23 21 16 00-0295	EA	1/2" Dual Unit Reducing And Relief Valve .....	148.25		22.18
23 21 16 00-0296		<b>Safety Relief Valve</b> <small>(23 21 16)</small> Note: Used in water heater and hot water storage tank applications.			
23 21 16 00-0297		<b>Threaded Inlet, Bronze Body Safety Valves</b> <small>(23 21 16 00-0296)</small> Note: Variable set points to 150 psig pressure, 210 Degree F temperature range.			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0298 EA 1/2" x 1/2" Threaded Inlet, Bronze Body Safety Valve.....	51.90	8.85
23 21 16 00-0299 EA 3/4" x 3/4" Threaded Inlet, Bronze Body Safety Valve.....	73.68	9.74
23 21 16 00-0300 EA 1" x 1" Threaded Inlet, Bronze Body Safety Valve.....	107.98	11.86
23 21 16 00-0301 EA 1-1/4" x 1-1/4" Threaded Inlet, Bronze Body Safety Valve.....	141.58	12.57
23 21 16 00-0302 EA 1-1/2" x 1-1/2" Threaded Inlet, Bronze Body Safety Valve.....	195.30	16.82
23 21 16 00-0303 EA 2" x 2" Threaded Inlet, Bronze Body Safety Valve.....	263.90	19.82
23 21 16 00-0304 EA 2-1/2" x 2-1/2" Threaded Inlet, Bronze Body Safety Valve.....	297.63	24.78
<b>23 21 16 00-0305 Plastic Pressure Relief Valves (23 21 16 00-0296)</b>		
<b>23 21 16 00-0306 Polyvinyl Chloride (PVC) Pressure Relief Valves (23 21 16 00-0305)</b>		
23 21 16 00-0307 EA 1/4" Polyvinyl Chloride (PVC) Pressure Relief Valve.....	211.38	10.62
23 21 16 00-0308 EA 1/2" Polyvinyl Chloride (PVC) Pressure Relief Valve.....	228.57	14.87
23 21 16 00-0309 EA 3/4" Polyvinyl Chloride (PVC) Pressure Relief Valve.....	441.81	17.71
23 21 16 00-0310 EA 1" Polyvinyl Chloride (PVC) Pressure Relief Valve.....	519.97	23.72
23 21 16 00-0311 EA 1-1/2" Polyvinyl Chloride (PVC) Pressure Relief Valve.....	678.68	28.32
23 21 16 00-0312 EA 2" Polyvinyl Chloride (PVC) Pressure Relief Valve.....	834.98	44.25
<b>23 21 16 00-0313 Polypropylene Pressure Relief Valves (23 21 16 00-0305)</b>		
23 21 16 00-0314 EA 1/4" Polypropylene Pressure Relief Valve.....	244.56	10.62
23 21 16 00-0315 EA 1/2" Polypropylene Pressure Relief Valve.....	278.33	14.72
23 21 16 00-0316 EA 3/4" Polypropylene Pressure Relief Valve.....	557.92	17.71
23 21 16 00-0317 EA 1" Polypropylene Pressure Relief Valve.....	644.38	23.65
23 21 16 00-0318 EA 1-1/2" Polypropylene Pressure Relief Valve.....	1,151.44	28.32
23 21 16 00-0319 EA 2" Polypropylene Pressure Relief Valve.....	1,398.97	44.25
<b>23 21 16 00-0320 Teflon (PTFE) Pressure Relief Valves (23 21 16 00-0305)</b>		
23 21 16 00-0321 EA 1/4" Teflon (PTFE) Pressure Relief Valve.....	443.61	10.62
23 21 16 00-0322 EA 1/2" Teflon (PTFE) Pressure Relief Valve.....	485.68	14.72
23 21 16 00-0323 EA 3/4" Teflon (PTFE) Pressure Relief Valve.....	931.15	17.71
23 21 16 00-0324 EA 1" Teflon (PTFE) Pressure Relief Valve.....	1,092.25	23.65
23 21 16 00-0325 EA 1-1/2" Teflon (PTFE) Pressure Relief Valve.....	1,798.37	28.32
23 21 16 00-0326 EA 2" Teflon (PTFE) Pressure Relief Valve.....	2,311.31	44.25
<b>23 21 16 00-0327 Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valves (23 21 16 00-0305)</b>		
23 21 16 00-0328 EA 1/2" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve.....	214.73	14.72
23 21 16 00-0329 EA 3/4" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve.....	244.03	17.71
23 21 16 00-0330 EA 1" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve.....	294.84	23.58
23 21 16 00-0331 EA 1-1/2" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve.....	380.30	28.32
23 21 16 00-0332 EA 2" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve.....	471.65	44.25
<b>23 21 16 00-0333 Threaded, Bronze Body, Temperature And Pressure Relief Valves (23 21 16)</b>		
23 21 16 00-0334 EA 1/2" x 1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve.....	60.05	18.06
<i>For Cast Iron Body, Add</i>	38.18	
23 21 16 00-0335 EA 3/4" x 3/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve.....	77.94	21.67
<i>For Cast Iron Body, Add</i>	53.18	
23 21 16 00-0336 EA 1" x 1" Threaded, Bronze Body, Temperature And Pressure Relief Valve.....	114.96	28.89
<i>For Cast Iron Body, Add</i>	84.69	
23 21 16 00-0337 EA 1-1/4" x 1-1/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve.....	194.57	30.94
<i>For Cast Iron Body, Add</i>	179.99	
23 21 16 00-0338 EA 1-1/2" x 1-1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve.....	332.08	34.70
<i>For Cast Iron Body, Add</i>	344.31	
23 21 16 00-0339 EA 2" x 2" Threaded, Bronze Body, Temperature And Pressure Relief Valve.....	381.43	49.87
<i>For Cast Iron Body, Add</i>	374.93	
<b>23 21 16 00-0340 Thermostatic Radiator Valves (23 21 16)</b>		
Note: For hot water or two pipe low pressure steam.		
23 21 16 00-0341 EA 1/2" Straight Thermostatic Radiator Valve (Danfoss 013G8015).....	45.79	11.72
23 21 16 00-0342 EA 3/4" Straight Thermostatic Radiator Valve (Danfoss 013G8020).....	54.87	15.81
23 21 16 00-0343 EA 1" Straight Thermostatic Radiator Valve (Danfoss 013G8025).....	74.56	19.13
23 21 16 00-0344 EA 1-1/4" Straight Thermostatic Radiator Valve (Danfoss 013G8032).....	110.82	24.24
23 21 16 00-0345 EA 1/2" Angle Thermostatic Radiator Valve (Danfoss 013G8014).....	45.79	11.72
23 21 16 00-0346 EA 3/4" Angle Thermostatic Radiator Valve (Danfoss 013G8019).....	54.87	15.81
23 21 16 00-0347 EA 1" Angle Thermostatic Radiator Valve (Danfoss 013G8024).....	74.56	19.13
23 21 16 00-0348 EA 1-1/4" Angle Thermostatic Radiator Valve (Danfoss 013G8031).....	110.82	24.24
23 21 16 00-0349 EA Tamper Resistant Valve Mounted Dial And Sensor Thermostatic Operator (Danfoss 013G8240).....	58.88	9.09
23 21 16 00-0350 EA Tamper Resistant Valve Mounted Dial With Remote Sensor Thermostatic Operator (Danfoss 013G2922).....	87.10	12.72
<b>23 21 16 00-0351 Radiator Trap Repair Kits (23 21 16)</b>		
Note: For hot water or two pipe low pressure steam.		
23 21 16 00-0352 EA 1/2" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1031).....	86.57	
23 21 16 00-0353 EA 3/4" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1032).....	108.11	
23 21 16 00-0354 EA 1/2" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1026).....	109.36	
23 21 16 00-0355 EA 3/4" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1027).....	124.40	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0356 EA 1" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1028).....	292.49	
<b>23 21 16 00-0357 Horizontal Steel Expansion Tanks (23 21 16)</b>		
Note: ASME Code Stamp. 150 PSI with glass gauge and cocks.		
23 21 16 00-0358 EA 10 Gallon Horizontal Steel Expansion Tank.....	447.66	72.71
23 21 16 00-0359 EA 15 Gallon Horizontal Steel Expansion Tank.....	635.13	90.89
23 21 16 00-0360 EA 30 Gallon Horizontal Steel Expansion Tank.....	833.96	109.06
23 21 16 00-0361 EA 40 Gallon Horizontal Steel Expansion Tank.....	959.70	127.25
23 21 16 00-0362 EA 60 Gallon Horizontal Steel Expansion Tank.....	1,085.32	118.11
<b>23 21 16 00-0363 Horizontal Diaphragm Type (Bladder) Steel Expansion Tanks (23 21 16)</b>		
Note: ASME. Precharged with working pressure 125 psi. Armstrong AX Series.		
23 21 16 00-0364 EA 7.8 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	1,461.23	54.54
23 21 16 00-0365 EA 10.9 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	1,518.71	63.62
23 21 16 00-0366 EA 21.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	2,288.09	72.71
23 21 16 00-0367 EA 33.6 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	2,375.61	81.80
23 21 16 00-0368 EA 44.4 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	3,242.06	90.89
23 21 16 00-0369 EA 55.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	3,415.12	99.98
23 21 16 00-0370 EA 68.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	4,071.23	109.06
23 21 16 00-0371 EA 77.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	4,355.22	118.15
23 21 16 00-0372 EA 90.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	4,803.32	127.25
23 21 16 00-0373 EA 110.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	4,922.89	145.42
23 21 16 00-0374 EA 132.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	6,195.83	163.60
23 21 16 00-0375 EA 158.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	7,110.53	181.77
23 21 16 00-0376 EA 211.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank.....	8,246.48	218.13
<b>23 21 16 00-0377 Vertical Diaphragm Type (Bladder) Steel Expansion Tanks (23 21 16)</b>		
Note: ASME. Precharged with working pressure 125 psi (Armstrong AX)		
23 21 16 00-0378 EA 8.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	1,673.88	54.54
23 21 16 00-0379 EA 11.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	1,719.80	63.62
23 21 16 00-0380 EA 22.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	2,482.25	72.71
23 21 16 00-0381 EA 34.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	2,646.04	81.80
23 21 16 00-0382 EA 44.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	3,378.44	90.89
23 21 16 00-0383 EA 56.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	3,549.18	99.98
23 21 16 00-0384 EA 67.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	4,341.67	109.06
23 21 16 00-0385 EA 77.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	4,692.69	118.15
23 21 16 00-0386 EA 91.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	5,193.94	127.25
23 21 16 00-0387 EA 111.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	5,306.58	145.42
23 21 16 00-0388 EA 132.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	6,544.86	163.60
23 21 16 00-0389 EA 158.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	7,602.85	181.77
23 21 16 00-0390 EA 211.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank.....	8,748.05	218.13
<b>23 21 16 00-0391 Diaphragm Type (Residential Style) Steel Expansion Tanks (23 21 16)</b>		
23 21 16 00-0392 EA 2.1 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-5-M1) .....	59.01	6.51
23 21 16 00-0393 EA 4.5 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-12-M1) .....	84.35	6.51
<b>23 21 16 00-0394 Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tanks (23 21 16)</b>		
23 21 16 00-0395 EA 15 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	689.59	218.20
23 21 16 00-0396 EA 20 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	715.34	218.20
23 21 16 00-0397 EA 30 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	741.10	218.20
23 21 16 00-0398 EA 40 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	808.05	218.20
23 21 16 00-0399 EA 47 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	976.38	290.77
23 21 16 00-0400 EA 60 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,130.64	290.91
23 21 16 00-0401 EA 80 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,161.23	290.91
23 21 16 00-0402 EA 87 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,191.83	290.91
23 21 16 00-0403 EA 120 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	1,514.10	363.55
23 21 16 00-0404 EA 187 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	4,107.80	363.55
23 21 16 00-0405 EA 264 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank.....	5,215.16	436.11
<b>23 21 16 00-0406 ASME Construction Compression Tanks (23 21 16)</b>		
Note: With gauge glass taps, 125 PSI, 240 degree F tanks below are sized by capacity and diameter and height.		
23 21 16 00-0407 EA 15 Gallon, 13" x 34-1/2" ASME Construction Compression Tank.....	846.40	127.97
For Galvanized Steel Tanks, Add	326.25	
23 21 16 00-0408 EA 24 Gallon, 13" x 51" ASME Construction Compression Tank.....	862.07	131.60
For Galvanized Steel Tanks, Add	331.06	
23 21 16 00-0409 EA 30 Gallon, 13" x 61-1/2" ASME Construction Compression Tank.....	945.38	135.97
For Galvanized Steel Tanks, Add	369.44	
23 21 16 00-0410 EA 40 Gallon, 16-1/4" x 53" ASME Construction Compression Tank.....	1,039.71	141.06
For Galvanized Steel Tanks, Add	412.61	
23 21 16 00-0411 EA 60 Gallon, 16-1/4" x 76-1/2" ASME Construction Compression Tank.....	1,223.35	149.06
For Galvanized Steel Tanks, Add	498.98	
23 21 16 00-0412 EA 80 Gallon, 20-1/4" x 68" ASME Construction Compression Tank.....	1,270.88	154.88
For Galvanized Steel Tanks, Add	518.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0413 EA 100 Gallon, 20-1/4" x 82" ASME Construction Compression Tank..... <i>For Galvanized Steel Tanks, Add</i>	1,588.94 666.91	168.69
23 21 16 00-0414 EA 120 Gallon, 24-1/4" x 71-1/2" ASME Construction Compression Tank..... <i>For Galvanized Steel Tanks, Add</i>	1,732.91 729.27	181.05
23 21 16 00-0415 EA 144 Gallon, 24-1/4" x 83-1/2" ASME Construction Compression Tank..... <i>For Galvanized Steel Tanks, Add</i>	2,170.12 930.36	204.31
23 21 16 00-0416 EA 180 Gallon, 30" x 60" ASME Construction Compression Tank..... <i>For Galvanized Steel Tanks, Add</i>	2,772.79 1,209.06	234.13
23 21 16 00-0417 EA 202 Gallon, 30" x 72" ASME Construction Compression Tank..... <i>For Galvanized Steel Tanks, Add</i>	3,335.30 1,471.14	259.57
23 21 16 00-0418 EA 230 Gallon, 30" x 84" ASME Construction Compression Tank..... <i>For Galvanized Steel Tanks, Add</i>	3,648.25 1,610.27	282.11
23 21 16 00-0419 EA 280 Gallon, 30" x 96" ASME Construction Compression Tank..... <i>For Galvanized Steel Tanks, Add</i>	4,639.61 2,085.26	309.74
23 21 16 00-0420 EA 306 Gallon, 30" x 108" ASME Construction Compression Tank..... <i>For Galvanized Steel Tanks, Add</i>	4,779.19 2,138.88	330.83
23 21 16 00-0421 EA 340 Gallon, 36" x 84" ASME Construction Compression Tank..... <i>For Galvanized Steel Tanks, Add</i>	6,205.39 2,833.40	355.55
23 21 16 00-0422 EA 550 Gallon, 36" x 96" ASME Construction Compression Tank..... <i>For Galvanized Steel Tanks, Add</i>	10,450.30 4,909.02	417.35
<b>23 21 16 00-0423    Compression Tank Air Fittings <small>(23 21 16)</small></b>		
23 21 16 00-0424 EA 9" To 24" Diameter Compression Tank Air Fittings.....	128.70	20.36
23 21 16 00-0425 EA >100 Gallon Compression Tank Air Fittings .....	408.71	23.99
<b>23 21 16 00-0426    Vortex Air Separators With Strainer <small>(23 21 16)</small></b>		
<small>Note: Separators are priced by capacity in gallons per minute and by boiler connection sizes and types.</small>		
23 21 16 00-0427 EA 2" Threaded, 56 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2N) .....	1,103.89 130.40	154.88
23 21 16 00-0428 EA 2-1/2" Threaded, 90 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2-1/2N) .....	1,370.12 165.12	177.42
23 21 16 00-0429 EA 3" Threaded, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3N) .....	2,126.83 271.61	208.68
23 21 16 00-0430 EA 3" Flanged, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3F) .....	2,274.04 290.90	220.93
23 21 16 00-0431 EA 4" Flanged, 300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-4F) .....	2,930.89 372.69	294.58
23 21 16 00-0432 EA 5" Flanged, 500 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-5F) .....	3,660.23 476.08	321.27
23 21 16 00-0433 EA 6" Flanged, 700 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-6F) .....	4,352.66 570.22	363.79
23 21 16 00-0434 EA 8" Flanged, 1,300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-8F) .....	6,309.61 847.22	436.43
23 21 16 00-0435 EA 10" Flanged, 2,000 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-10F) .....	9,815.44 1,359.57	496.09
23 21 16 00-0436 EA 12" Flanged, 2,750 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-12F) .....	13,256.05 1,842.50	641.96
<b>23 21 16 00-0437    Vortex Air Separators <small>(23 21 16)</small></b>		
<small>Note: Without system strainer.</small>		
23 21 16 00-0438 EA 2" Threaded, 56 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2N) .....	934.14 104.94	154.88
23 21 16 00-0439 EA 2-1/2" Threaded, 90 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2-1/2N) .....	1,184.94 137.35	177.42
23 21 16 00-0440 EA 3" Threaded, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3N) .....	2,080.54 264.66	208.68
23 21 16 00-0441 EA 3" Flanged, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3F) .....	1,867.66 229.94	220.93
23 21 16 00-0442 EA 4" Flanged, 300 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-4F) .....	2,503.94 308.64	294.58
23 21 16 00-0443 EA 5" Flanged, 500 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-5F) .....	3,212.70 408.95	321.27
23 21 16 00-0444 EA 6" Flanged, 850 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-6F) .....	3,745.66 479.17	363.79
23 21 16 00-0445 EA 8" Flanged, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8F) .....	10,661.46 1,500.00	436.43
23 21 16 00-0446 EA 10" Flanged, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10F) .....	7,042.80 943.67	496.09
23 21 16 00-0447 EA 12" Flanged, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12F) .....	10,926.44 1,493.06	641.96
<b>23 21 16 00-0448    Grooved, With Strainer, Vortex Air Separators <small>(23 21 16)</small></b>		
23 21 16 00-0449 EA 3" Grooved, 190 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-3G) .....	2,001.33	176.74
23 21 16 00-0450 EA 4" Grooved, 300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-4G) .....	2,841.41	235.51
23 21 16 00-0451 EA 5" Grooved, 500 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-5G) .....	3,562.94	256.79
23 21 16 00-0452 EA 6" Grooved, 700 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-6G) .....	4,242.38	291.04
23 21 16 00-0453 EA 8" Grooved, 1,300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-8G) .....	6,167.03	349.24
23 21 16 00-0454 EA 10" Grooved, 2,000 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-10G) .....	10,066.34	396.87
23 21 16 00-0455 EA 12" Grooved, 2,750 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-12G) .....	15,379.34	513.63



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 21 16 00-0456 Grooved Vortex Air Separators</b> <sup>(23 21 16)</sup> Note: Without system strainer.		
23 21 16 00-0457 EA 3" Grooved, 190 GPM Vortex Air Separator (Rolairtrol RL-3G) .....	1,579.52	176.74
23 21 16 00-0458 EA 4" Grooved, 300 GPM Vortex Air Separator (Rolairtrol RL-4G) .....	2,414.46	235.51
23 21 16 00-0459 EA 5" Grooved, 530 GPM Vortex Air Separator (Rolairtrol RL-5G) .....	3,115.41	256.79
23 21 16 00-0460 EA 6" Grooved, 850 GPM Vortex Air Separator (Rolairtrol RL-6G) .....	3,635.38	291.04
23 21 16 00-0461 EA 8" Grooved, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8G) .....	4,881.02	349.24
23 21 16 00-0462 EA 10" Grooved, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10G) .....	7,252.55	396.87
23 21 16 00-0463 EA 12" Grooved, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12G) .....	12,134.41	513.63
<b>23 21 16 00-0464 Removable Head, Air Eliminator And Dirt Separator</b> <sup>(23 21 16)</sup> Note: Spirovent VDN.		
23 21 16 00-0465 EA 2", 45 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	3,407.83	154.88
23 21 16 00-0466 EA 2-1/2", 70 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	3,683.25	177.42
23 21 16 00-0467 EA 3", 95 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	4,937.24	208.68
23 21 16 00-0468 EA 4", 170 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	5,588.46	319.93
23 21 16 00-0469 EA 5", 260 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	8,212.36	395.54
23 21 16 00-0470 EA 6", 375 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	10,609.76	447.90
23 21 16 00-0471 EA 8", 625 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	16,676.91	101.07
23 21 16 00-0472 EA 10", 950 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	24,746.61	610.77
23 21 16 00-0473 EA 12", 1,400 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN).....	31,984.20	790.36
<b>23 21 16 00-0474 Air Eliminator And Dirt Separator</b> <sup>(23 21 16)</sup> Note: Spirovent VDT.		
23 21 16 00-0475 EA 2", 45 GPM, Air Eliminator And Dirt Separator (Spirotherm VDT).....	3,347.75	154.88
23 21 16 00-0476 EA 2-1/2", 70 GPM, Air Eliminator And Dirt Separator (Spirotherm VDT) .....	3,693.66	177.42
23 21 16 00-0477 EA 3", 95 GPM, Air Eliminator And Dirt Separator (Spirotherm VDT).....	4,082.95	208.68
23 21 16 00-0478 EA 4", 170 GPM, Air Eliminator And Dirt Separator (Spirotherm VDT).....	4,559.86	319.93
23 21 16 00-0479 EA 5", 260 GPM, Air Eliminator And Dirt Separator (Spirotherm VDT).....	5,285.15	395.54
23 21 16 00-0480 EA 6", 375 GPM, Air Eliminator And Dirt Separator (Spirotherm VDT).....	5,716.44	447.90
<b>23 21 16 00-0481 High Velocity, Air Eliminator And Dirt Separator</b> <sup>(23 21 16)</sup>		
23 21 16 00-0482 EA 2", 105 GPM, High Velocity, Air Eliminator And Dirt Separator (Spirotherm VHT).....	3,658.91	154.88
23 21 16 00-0483 EA 2-1/2", 155 GPM, High Velocity, Air Eliminator And Dirt Separator (Spirotherm VHT).....	6,771.65	177.42
23 21 16 00-0484 EA 3", 225 GPM, High Velocity, Air Eliminator And Dirt Separator (Spirotherm VHT).....	7,038.10	208.68
23 21 16 00-0485 EA 4", 405 GPM, High Velocity, Air Eliminator And Dirt Separator (Spirotherm VHT).....	7,878.90	319.93
23 21 16 00-0486 EA 5", 630 GPM, High Velocity, Air Eliminator And Dirt Separator (Spirotherm VHT).....	9,102.01	395.54
23 21 16 00-0487 EA 6", 910 GPM, High Velocity, Air Eliminator And Dirt Separator (Spirotherm VHT).....	9,819.59	447.90
<b>23 21 16 00-0488 Swivel Joints</b> <sup>(23 21 16)</sup>		
<b>23 21 16 00-0489 Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)</b> <sup>(23 21 16 00-0488)</sup> Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0490 EA 1" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	268.74	19.12
23 21 16 00-0491 EA 1-1/2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) .....	385.91	27.99
23 21 16 00-0492 EA 2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	544.05	32.72
23 21 16 00-0493 EA 3" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	808.24	55.99
23 21 16 00-0494 EA 4" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	1,028.30	63.62
For Stainless Steel, Add	1,351.58	
23 21 16 00-0495 EA 2" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	750.92	96.92
For Stainless Steel, Add	944.60	
23 21 16 00-0496 EA 3" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	1,016.97	77.33
23 21 16 00-0497 EA 4" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	1,279.48	207.23
23 21 16 00-0498 EA 6" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20).....	2,412.26	261.76
<b>23 21 16 00-0499 Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)</b> <sup>(23 21 16 00-0488)</sup> Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0500 EA 1" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) .....	344.54	19.12
For Stainless Steel, Add	459.41	
23 21 16 00-0501 EA 1-1/2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	421.72	27.99
For Stainless Steel, Add	548.69	
23 21 16 00-0502 EA 2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) .....	570.61	32.72
For Stainless Steel, Add	756.77	
23 21 16 00-0503 EA 3" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) .....	915.65	55.99
For Stainless Steel, Add	1,205.69	
23 21 16 00-0504 EA 4" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) .....	1,203.74	63.62
For Stainless Steel, Add	1,614.74	
23 21 16 00-0505 EA 2" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	775.19	96.92
For Stainless Steel, Add	981.00	
23 21 16 00-0506 EA 3" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	1,156.01	77.33
For Stainless Steel, Add	1,501.95	
23 21 16 00-0507 EA 4" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	1,440.00	207.23
For Stainless Steel, Add	1,770.48	
23 21 16 00-0508 EA 6" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30).....	2,523.11	261.76
For Stainless Steel, Add	3,292.11	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0509				<b>Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)</b> <sup>(23 21)</sup>		
				<small>16 00-0488)</small> Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0510	EA			1" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	407.10	19.12
				<i>For Stainless Steel, Add</i> .....	553.25	
23 21 16 00-0511	EA			1-1/2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	469.45	27.99
				<i>For Stainless Steel, Add</i> .....	620.28	
23 21 16 00-0512	EA			2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	690.60	32.72
				<i>For Stainless Steel, Add</i> .....	936.75	
23 21 16 00-0513	EA			3" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	1,060.05	55.99
				<i>For Stainless Steel, Add</i> .....	1,422.29	
23 21 16 00-0514	EA			4" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	1,251.47	63.62
				<i>For Stainless Steel, Add</i> .....	1,686.33	
23 21 16 00-0515	EA			2" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	894.54	96.92
				<i>For Stainless Steel, Add</i> .....	1,160.03	
23 21 16 00-0516	EA			3" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	1,303.99	77.33
				<i>For Stainless Steel, Add</i> .....	1,723.92	
23 21 16 00-0517	EA			4" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	1,592.75	207.23
				<i>For Stainless Steel, Add</i> .....	1,999.61	
23 21 16 00-0518	EA			6" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40).....	2,851.30	261.76
				<i>For Stainless Steel, Add</i> .....	3,784.40	
23 21 16 00-0519				<b>Basket Strainers</b> <sup>(23 21 16)</sup>		
23 21 16 00-0520				<b>Bronze Body Basket Strainers</b> <sup>(23 21 16 00-0519)</sup>		
23 21 16 00-0521				<b>Screwed Ends, Bronze Body Basket Strainers</b> <sup>(23 21 16 00-0520)</sup>		
23 21 16 00-0522	EA			1/2" Screwed Ends, Bronze Body Basket Strainer.....	203.92	14.55
				<i>For Work In Restricted Working Space, Add</i> .....	8.66	
23 21 16 00-0523	EA			3/4" Screwed Ends, Bronze Body Basket Strainer.....	241.01	17.09
				<i>For Work In Restricted Working Space, Add</i> .....	10.17	
23 21 16 00-0524	EA			1" Screwed Ends, Bronze Body Basket Strainer.....	279.54	20.36
				<i>For Work In Restricted Working Space, Add</i> .....	12.12	
23 21 16 00-0525	EA			1-1/4" Screwed Ends, Bronze Body Basket Strainer.....	348.27	22.54
				<i>For Work In Restricted Working Space, Add</i> .....	13.51	
23 21 16 00-0526	EA			1-1/2" Screwed Ends, Bronze Body Basket Strainer.....	411.30	25.45
				<i>For Work In Restricted Working Space, Add</i> .....	15.26	
23 21 16 00-0527	EA			2" Screwed Ends, Bronze Body Basket Strainer.....	613.20	29.08
				<i>For Work In Restricted Working Space, Add</i> .....	17.47	
23 21 16 00-0528	EA			2-1/2" Screwed Ends, Bronze Body Basket Strainer.....	867.54	38.90
				<i>For Work In Restricted Working Space, Add</i> .....	23.40	
23 21 16 00-0529	EA			3" Screwed Ends, Bronze Body Basket Strainer.....	1,221.27	41.44
				<i>For Work In Restricted Working Space, Add</i> .....	24.82	
23 21 16 00-0530				<b>Flanged, Bronze Body Basket Strainers</b> <sup>(23 21 16 00-0520)</sup>		
23 21 16 00-0531	EA			2" Flanged, Bronze Body Basket Strainer.....	962.23	96.92
				<i>For Work In Restricted Working Space, Add</i> .....	36.36	
23 21 16 00-0532	EA			2-1/2" Flanged, Bronze Body Basket Strainer.....	1,448.11	105.43
				<i>For Work In Restricted Working Space, Add</i> .....	39.66	
23 21 16 00-0533	EA			3" Flanged, Bronze Body Basket Strainer.....	1,642.26	123.61
				<i>For Work In Restricted Working Space, Add</i> .....	46.41	
23 21 16 00-0534	EA			4" Flanged, Bronze Body Basket Strainer.....	2,777.07	207.22
				<i>For Work In Restricted Working Space, Add</i> .....	77.90	
23 21 16 00-0535	EA			6" Flanged, Bronze Body Basket Strainer.....	5,244.29	212.61
				<i>For Work In Restricted Working Space, Add</i> .....	80.02	
23 21 16 00-0536	EA			8" Flanged, Bronze Body Basket Strainer.....	9,577.45	271.67
				<i>For Work In Restricted Working Space, Add</i> .....	101.24	
23 21 16 00-0537				<b>Iron Body Basket Strainers</b> <sup>(23 21 16 00-0519)</sup>		
23 21 16 00-0538				<b>Screwed Ends, Iron Body Basket Strainers</b> <sup>(23 21 16 00-0537)</sup>		
23 21 16 00-0539	EA			1/2" Screwed Ends, Iron Body Basket Strainer.....	325.18	14.55
				<i>For Work In Restricted Working Space, Add</i> .....	8.66	
23 21 16 00-0540	EA			3/4" Screwed Ends, Iron Body Basket Strainer.....	365.57	17.09
				<i>For Work In Restricted Working Space, Add</i> .....	10.17	
23 21 16 00-0541	EA			1" Screwed Ends, Iron Body Basket Strainer.....	431.87	20.36
				<i>For Work In Restricted Working Space, Add</i> .....	12.12	
23 21 16 00-0542	EA			1-1/4" Screwed Ends, Iron Body Basket Strainer.....	569.74	22.54
				<i>For Work In Restricted Working Space, Add</i> .....	13.51	
23 21 16 00-0543	EA			1-1/2" Screwed Ends, Iron Body Basket Strainer.....	624.48	25.45
				<i>For Work In Restricted Working Space, Add</i> .....	15.26	
23 21 16 00-0544	EA			2" Screwed Ends, Iron Body Basket Strainer.....	743.33	29.08
				<i>For Work In Restricted Working Space, Add</i> .....	17.47	
23 21 16 00-0545	EA			2-1/2" Screwed Ends, Iron Body Basket Strainer.....	1,056.70	38.90
				<i>For Work In Restricted Working Space, Add</i> .....	23.40	
23 21 16 00-0546	EA			3" Screwed Ends, Iron Body Basket Strainer.....	1,197.36	41.44
				<i>For Work In Restricted Working Space, Add</i> .....	24.82	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0547			<b>Flanged, Iron Body Basket Strainers</b> (23 21 16 00-0537)		
23 21 16 00-0548	EA		2" Flanged, Iron Body Basket Strainer.....	525.46	96.92
			<i>For Work In Restricted Working Space, Add</i>	36.36	
23 21 16 00-0549	EA		2-1/2" Flanged, Iron Body Basket Strainer.....	677.09	105.43
			<i>For Work In Restricted Working Space, Add</i>	39.66	
23 21 16 00-0550	EA		3" Flanged, Iron Body Basket Strainer.....	734.76	123.61
			<i>For Work In Restricted Working Space, Add</i>	46.41	
23 21 16 00-0551	EA		4" Flanged, Iron Body Basket Strainer.....	1,132.68	207.22
			<i>For Work In Restricted Working Space, Add</i>	77.90	
23 21 16 00-0552	EA		6" Flanged, Iron Body Basket Strainer.....	1,965.84	212.61
			<i>For Work In Restricted Working Space, Add</i>	80.02	
23 21 16 00-0553	EA		8" Flanged, Iron Body Basket Strainer.....	3,472.06	271.67
			<i>For Work In Restricted Working Space, Add</i>	101.24	
23 21 16 00-0554	EA		10" Flanged, Iron Body Basket Strainer.....	5,129.94	330.72
			<i>For Work In Restricted Working Space, Add</i>	124.02	
23 21 16 00-0555	EA		12" Flanged, Iron Body Basket Strainer.....	6,429.20	416.95
			<i>For Work In Restricted Working Space, Add</i>	250.14	
23 21 16 00-0556	EA		14" Flanged, Iron Body Basket Strainer.....	7,650.74	472.47
			<i>For Work In Restricted Working Space, Add</i>	177.17	
23 21 16 00-0557	EA		16" Flanged, Iron Body Basket Strainer.....	8,032.04	519.71
			<i>For Work In Restricted Working Space, Add</i>	194.89	
23 21 16 00-0558			<b>Cast Steel Body Basket Strainers</b> (23 21 16 00-0519)		
23 21 16 00-0559			<b>Screwed Ends, Cast Steel Body Basket Strainers</b> (23 21 16 00-0558)		
23 21 16 00-0560	EA		1" Screwed Ends, Cast Steel Body Basket Strainer.....	495.77	20.36
			<i>For Work In Restricted Working Space, Add</i>	12.12	
23 21 16 00-0561	EA		1-1/4" Screwed Ends, Cast Steel Body Basket Strainer.....	652.86	22.54
			<i>For Work In Restricted Working Space, Add</i>	13.51	
23 21 16 00-0562	EA		1-1/2" Screwed Ends, Cast Steel Body Basket Strainer.....	735.84	25.45
			<i>For Work In Restricted Working Space, Add</i>	15.25	
23 21 16 00-0563	EA		2" Screwed Ends, Cast Steel Body Basket Strainer.....	1,032.66	29.08
			<i>For Work In Restricted Working Space, Add</i>	17.47	
23 21 16 00-0564	EA		2-1/2" Screwed Ends, Cast Steel Body Basket Strainer.....	1,447.99	38.90
			<i>For Work In Restricted Working Space, Add</i>	23.39	
23 21 16 00-0565	EA		3" Screwed Ends, Cast Steel Body Basket Strainer.....	1,877.25	41.44
			<i>For Work In Restricted Working Space, Add</i>	24.82	
23 21 16 00-0566			<b>Flanged, Cast Steel Body Basket Strainers</b> (23 21 16 00-0558)		
23 21 16 00-0567	EA		2" Flanged, Cast Steel Body Basket Strainer.....	1,539.43	96.92
			<i>For Work In Restricted Working Space, Add</i>	36.36	
23 21 16 00-0568	EA		2-1/2" Flanged, Cast Steel Body Basket Strainer.....	2,206.50	105.43
			<i>For Work In Restricted Working Space, Add</i>	39.66	
23 21 16 00-0569	EA		3" Flanged, Cast Steel Body Basket Strainer.....	2,421.97	123.61
			<i>For Work In Restricted Working Space, Add</i>	46.41	
23 21 16 00-0570	EA		4" Flanged, Cast Steel Body Basket Strainer.....	3,443.50	207.22
			<i>For Work In Restricted Working Space, Add</i>	77.90	
23 21 16 00-0571	EA		6" Flanged, Cast Steel Body Basket Strainer.....	6,007.24	212.61
			<i>For Work In Restricted Working Space, Add</i>	80.02	
23 21 16 00-0572	EA		8" Flanged, Cast Steel Body Basket Strainer.....	9,744.20	271.67
			<i>For Work In Restricted Working Space, Add</i>	101.24	
23 21 16 00-0573			<b>Stainless Steel Body Basket Strainers</b> (23 21 16 00-0519)		
23 21 16 00-0574			<b>Screwed Ends, Stainless Steel Body Basket Strainers</b> (23 21 16 00-0573)		
23 21 16 00-0575	EA		1" Screwed Ends, Stainless Steel Body Basket Strainer.....	321.76	20.36
			<i>For Work In Restricted Working Space, Add</i>	12.12	
23 21 16 00-0576	EA		1-1/4" Screwed Ends, Stainless Steel Body Basket Strainer.....	461.53	22.54
			<i>For Work In Restricted Working Space, Add</i>	13.51	
23 21 16 00-0577	EA		1-1/2" Screwed Ends, Stainless Steel Body Basket Strainer.....	477.08	25.45
			<i>For Work In Restricted Working Space, Add</i>	15.25	
23 21 16 00-0578	EA		2" Screwed Ends, Stainless Steel Body Basket Strainer.....	703.15	29.08
			<i>For Work In Restricted Working Space, Add</i>	17.47	
23 21 16 00-0579	EA		2-1/2" Screwed Ends, Stainless Steel Body Basket Strainer.....	993.14	38.90
			<i>For Work In Restricted Working Space, Add</i>	23.39	
23 21 16 00-0580	EA		3" Screwed Ends, Stainless Steel Body Basket Strainer.....	1,399.06	41.44
			<i>For Work In Restricted Working Space, Add</i>	24.82	
23 21 16 00-0581			<b>Flanged, Stainless Steel Body Basket Strainers</b> (23 21 16 00-0573)		
23 21 16 00-0582	EA		2" Flanged, Stainless Steel Body Basket Strainer.....	1,080.92	96.92
			<i>For Work In Restricted Working Space, Add</i>	36.36	
23 21 16 00-0583	EA		2-1/2" Flanged, Stainless Steel Body Basket Strainer.....	1,626.81	105.43
			<i>For Work In Restricted Working Space, Add</i>	39.66	
23 21 16 00-0584	EA		3" Flanged, Stainless Steel Body Basket Strainer.....	1,842.94	123.61
			<i>For Work In Restricted Working Space, Add</i>	46.41	
23 21 16 00-0585	EA		4" Flanged, Stainless Steel Body Basket Strainer.....	3,115.19	207.22
			<i>For Work In Restricted Working Space, Add</i>	77.90	
23 21 16 00-0586	EA		6" Flanged, Stainless Steel Body Basket Strainer.....	4,724.10	212.61
			<i>For Work In Restricted Working Space, Add</i>	80.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0587 EA 8" Flanged, Stainless Steel Body Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	8,193.60 101.24	271.67
<b>23 21 16 00-0588 Plastic Basket Strainers (23 21 16 00-0519)</b>		
<b>23 21 16 00-0589 Screwed Or Socket Ends, Simplex, Plastic Basket Strainers (23 21 16 00-0588)</b>		
<b>23 21 16 00-0590 Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainers (23 21 16 00-0589)</b>		
23 21 16 00-0591 EA 1-1/2" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	248.86 8.66	10.18
23 21 16 00-0592 EA 3/4" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	253.91 10.17	11.85
23 21 16 00-0593 EA 1" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	260.40 12.12	14.10
23 21 16 00-0594 EA 1-1/2" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	429.02 15.25	17.81
23 21 16 00-0595 EA 2" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	443.54 17.47	20.36
23 21 16 00-0596 EA 3" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	955.65 24.82	29.08
23 21 16 00-0597 EA 4" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	1,264.99 32.71	38.17
<b>23 21 16 00-0598 Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainers (23 21 16 00-0589)</b>		
23 21 16 00-0599 EA 1/2" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	485.64 8.66	10.18
23 21 16 00-0600 EA 3/4" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	490.69 10.17	11.85
23 21 16 00-0601 EA 1" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	497.18 12.12	14.10
23 21 16 00-0602 EA 1-1/2" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	864.15 15.25	17.81
23 21 16 00-0603 EA 2" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	887.44 17.47	20.36
23 21 16 00-0604 EA 3" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	377.19 24.82	29.08
23 21 16 00-0605 EA 4" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	2,404.13 32.71	38.17
<b>23 21 16 00-0606 Flanged, Simplex, Plastic Basket Strainers (23 21 16 00-0588)</b>		
<b>23 21 16 00-0607 Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainers (23 21 16 00-0606)</b>		
23 21 16 00-0608 EA 1" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	379.33 38.16	63.62
23 21 16 00-0609 EA 1-1/2" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	596.15 43.63	72.71
23 21 16 00-0610 EA 2" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	628.46 50.82	84.71
23 21 16 00-0611 EA 3" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	1,202.44 46.41	123.61
23 21 16 00-0612 EA 4" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	1,626.13 77.90	207.22
23 21 16 00-0613 EA 6" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	3,243.22 98.51	261.76
23 21 16 00-0614 EA 8" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	4,256.77 124.65	334.47
<b>23 21 16 00-0615 Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainers (23 21 16 00-0606)</b>		
23 21 16 00-0616 EA 1-1/2" Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	1,060.59 43.63	72.71
23 21 16 00-0617 EA 2" Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	1,103.68 50.82	84.71
23 21 16 00-0618 EA 3" Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	2,367.03 46.41	123.61
23 21 16 00-0619 EA 4" Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	2,970.17 77.90	207.22
<b>23 21 16 00-0620 Screwed Or Socket Ends, Duplex, Plastic Basket Strainers (23 21 16 00-0588)</b>		
<b>23 21 16 00-0621 Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainers (23 21 16 00-0620)</b>		
23 21 16 00-0622 EA 1/2" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	1,073.01 8.66	10.18
23 21 16 00-0623 EA 3/4" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer ..... <i>For Work In Restricted Working Space, Add</i>	1,078.06 10.17	11.85

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0624	EA		1" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer .....	1,084.55	14.10
			<i>For Work In Restricted Working Space, Add</i>	12.12	
23 21 16 00-0625	EA		1-1/2" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer .....	1,676.54	17.81
			<i>For Work In Restricted Working Space, Add</i>	15.25	
23 21 16 00-0626	EA		2" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer .....	1,683.92	20.36
			<i>For Work In Restricted Working Space, Add</i>	17.47	
23 21 16 00-0627	EA		3" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer .....	3,753.95	29.08
			<i>For Work In Restricted Working Space, Add</i>	24.82	
23 21 16 00-0628	EA		4" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer .....	4,951.67	38.17
			<i>For Work In Restricted Working Space, Add</i>	32.71	
<b>23 21 16 00-0629</b>			<b>Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC)</b>		
			<b>Basket Strainers</b> <small>(23 21 16 00-0620)</small>		
23 21 16 00-0630	EA		1/2" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer .....	2,121.80	10.18
			<i>For Work In Restricted Working Space, Add</i>	8.66	
23 21 16 00-0631	EA		3/4" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer .....	2,126.85	11.85
			<i>For Work In Restricted Working Space, Add</i>	10.17	
23 21 16 00-0632	EA		1" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer .....	2,133.34	14.10
			<i>For Work In Restricted Working Space, Add</i>	12.12	
23 21 16 00-0633	EA		1-1/2" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer .....	3,315.21	17.81
			<i>For Work In Restricted Working Space, Add</i>	15.25	
23 21 16 00-0634	EA		2" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer .....	3,322.59	20.36
			<i>For Work In Restricted Working Space, Add</i>	17.47	
23 21 16 00-0635	EA		3" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer .....	6,485.75	29.08
			<i>For Work In Restricted Working Space, Add</i>	24.82	
23 21 16 00-0636	EA		4" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer .....	9,755.73	38.17
			<i>For Work In Restricted Working Space, Add</i>	32.71	
<b>23 21 16 00-0637</b>			<b>Flanged, Duplex, Plastic Basket Strainers</b> <small>(23 21 16 00-0588)</small>		
<b>23 21 16 00-0638</b>			<b>Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainers</b> <small>(23 21 16 00-0637)</small>		
23 21 16 00-0639	EA		1/2" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer .....	1,122.49	27.27
			<i>For Work In Restricted Working Space, Add</i>	16.36	
23 21 16 00-0640	EA		3/4" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer .....	1,140.66	36.35
			<i>For Work In Restricted Working Space, Add</i>	21.81	
23 21 16 00-0641	EA		1" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer .....	1,195.16	63.62
			<i>For Work In Restricted Working Space, Add</i>	38.16	
23 21 16 00-0642	EA		1-1/2" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer .....	1,832.97	72.71
			<i>For Work In Restricted Working Space, Add</i>	43.63	
23 21 16 00-0643	EA		2" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer .....	1,856.96	84.71
			<i>For Work In Restricted Working Space, Add</i>	50.82	
23 21 16 00-0644	EA		3" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer .....	3,956.74	123.61
			<i>For Work In Restricted Working Space, Add</i>	46.41	
23 21 16 00-0645	EA		4" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer .....	5,267.61	207.22
			<i>For Work In Restricted Working Space, Add</i>	77.90	
<b>23 21 16 00-0646</b>			<b>Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainers</b> <small>(23 21 16 00-0637)</small>		
23 21 16 00-0647	EA		1/2" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer .....	2,192.05	27.27
			<i>For Work In Restricted Working Space, Add</i>	16.36	
23 21 16 00-0648	EA		3/4" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer .....	2,210.20	36.35
			<i>For Work In Restricted Working Space, Add</i>	21.80	
23 21 16 00-0649	EA		1" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer .....	2,264.73	63.62
			<i>For Work In Restricted Working Space, Add</i>	38.16	
23 21 16 00-0650	EA		1-1/2" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer .....	3,527.57	72.71
			<i>For Work In Restricted Working Space, Add</i>	43.63	
23 21 16 00-0651	EA		2" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer .....	3,551.56	84.71
			<i>For Work In Restricted Working Space, Add</i>	50.82	
23 21 16 00-0652	EA		3" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer .....	7,948.78	123.61
			<i>For Work In Restricted Working Space, Add</i>	46.41	
23 21 16 00-0653	EA		4" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer .....	10,324.96	207.22
			<i>For Work In Restricted Working Space, Add</i>	77.90	
<b>23 21 16 00-0654</b>			<b>Plastic Strainer Baskets</b> <small>(23 21 16 00-0588)</small>		
<b>23 21 16 00-0655</b>			<b>Polyvinyl Chloride (PVC) Strainer Baskets</b> <small>(23 21 16 00-0654)</small>		
23 21 16 00-0656	EA		1/2", 3/4" Or 1" Polyvinyl Chloride (PVC) Strainer Basket .....	92.88	
23 21 16 00-0657	EA		1-1/2", Or 2" Polyvinyl Chloride (PVC) Strainer Basket .....	113.93	
23 21 16 00-0658	EA		3" Polyvinyl Chloride (PVC) Strainer Basket .....	255.69	
23 21 16 00-0659	EA		4" Polyvinyl Chloride (PVC) Strainer Basket .....	290.18	
<b>23 21 16 00-0660</b>			<b>Chlorinated Polyvinyl Chloride (CPVC) Strainer Baskets</b> <small>(23 21 16 00-0654)</small>		
23 21 16 00-0661	EA		1/2", 3/4" Or 1" Chlorinated Polyvinyl Chloride (CPVC) Strainer Basket .....	183.03	
23 21 16 00-0662	EA		1-1/2" Or 2" Chlorinated Polyvinyl Chloride (CPVC) Strainer Basket .....	229.19	
23 21 16 00-0663	EA		3" Chlorinated Polyvinyl Chloride (CPVC) Strainer Basket .....	509.31	
23 21 16 00-0664	EA		4" Chlorinated Polyvinyl Chloride (CPVC) Strainer Basket .....	565.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**23 21 23 Hydronic Pumps (23 21)****23 21 23 13 In-Line Centrifugal Hydronic Pumps (23 21 23)**

**23 21 23 13-0001 Cast Iron Construction Straight Centrifugal Circulating Pump (23 21 23 13)**  
Note: Includes stainless steel impeller and buna-N elastomer.

**23 21 23 13-0002 1-1/4" x 1" High Head (23 21 23 13-0001)**

23 21 23 13-0003	EA	3/4 HP High Head Straight Cast Iron Centrifugal Pump, 1 Phase	726.92	207.36
23 21 23 13-0004	EA	3/4 HP High Head Straight Cast Iron Centrifugal Pump, 3 Phase	751.01	207.36
23 21 23 13-0005	EA	1.5 HP High Head Straight Cast Iron Centrifugal Pump, 1 Phase	806.92	239.63
23 21 23 13-0006	EA	1.5 HP High Head Straight Cast Iron Centrifugal Pump, 3 Phase	847.66	239.63

**23 21 23 13-0007 1-1/2" x 1-1/4" High Head (23 21 23 13-0001)**

23 21 23 13-0008	EA	2 HP High Head Straight Cast Iron Centrifugal Pump, 1 Phase	921.10	251.49
23 21 23 13-0009	EA	2 HP High Head Straight Cast Iron Centrifugal Pump, 3 Phase	954.59	251.49
23 21 23 13-0010	EA	3 HP High Head Straight Cast Iron Centrifugal Pump, 1 Phase	1,042.05	276.20
23 21 23 13-0011	EA	3 HP High Head Straight Cast Iron Centrifugal Pump, 3 Phase	1,074.63	276.20

**23 21 23 13-0012 Stainless Steel Construction Straight Centrifugal Circulating Pump (23 21 23 13)**

Note: Includes stainless steel impeller and viton elastomer.

**23 21 23 13-0013 1-1/4" x 1" High Head (23 21 23 13-0012)**

23 21 23 13-0014	EA	3/4 HP High Head Straight SS Centrifugal Pump, 1 Phase	947.56	207.36
23 21 23 13-0015	EA	3/4 HP High Head Straight SS Centrifugal Pump, 3 Phase	964.78	207.36
23 21 23 13-0016	EA	1.5 HP High Head Straight SS Centrifugal Pump, 1 Phase	1,029.78	239.63
23 21 23 13-0017	EA	1.5 HP High Head Straight SS Centrifugal Pump, 3 Phase	1,069.68	239.63

**23 21 23 13-0018 1-1/2" x 1-1/4" High Head (23 21 23 13-0012)**

23 21 23 13-0019	EA	2 HP High Head Straight SS Centrifugal Pump, 1 Phase	1,212.75	251.49
23 21 23 13-0020	EA	2 HP High Head Straight SS Centrifugal Pump, 3 Phase	1,246.42	251.49
23 21 23 13-0021	EA	3 HP High Head Straight SS Centrifugal Pump, 1 Phase	1,333.85	276.20
23 21 23 13-0022	EA	3 HP High Head Straight SS Centrifugal Pump, 3 Phase	1,367.48	276.20

**23 21 23 13-0023 Cast Iron Single Stage In-Line Centrifugal Pump (23 21 23 13)**

Note: For general service, 125 LB flanged, 3550 RPM TEFC motor. Includes packed stuffing boxes and ductile iron case.

23 21 23 13-0024	EA	50 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 100' Head And 3 HP	3,020.96	194.14
		For Mechanical Seal, Add	195.10	
		For Cast Steel Case, Add	438.99	
23 21 23 13-0025	EA	75 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 100' Head And 5 HP	3,319.17	234.99
		For Mechanical Seal, Add	209.16	
		For Cast Steel Case, Add	470.60	
23 21 23 13-0026	EA	100 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 150' Head And 7-1/2 HP	3,843.14	279.17
		For Mechanical Seal, Add	240.50	
		For Cast Steel Case, Add	541.13	
23 21 23 13-0027	EA	125 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 150' Head And 10 HP	4,203.15	372.23
		For Mechanical Seal, Add	246.99	
		For Cast Steel Case, Add	555.72	
23 21 23 13-0028	EA	150 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 200' Head And 15 HP	4,977.06	405.70
		For Mechanical Seal, Add	300.79	
		For Cast Steel Case, Add	676.77	
23 21 23 13-0029	EA	200 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 300' Head And 30 HP	7,297.48	446.54
		For Mechanical Seal, Add	476.68	
		For Cast Steel Case, Add	1,072.54	
23 21 23 13-0030	EA	250 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 300' Head And 40 HP	8,604.95	557.68
		For Mechanical Seal, Add	554.50	
		For Cast Steel Case, Add	1,247.63	
23 21 23 13-0031	EA	300 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 300' Head And 50 HP	7,384.91	637.34
		For Mechanical Seal, Add	437.77	
		For Cast Steel Case, Add	984.98	
23 21 23 13-0032	EA	400 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 400' Head And 75 HP	14,774.81	612.43
		For Mechanical Seal, Add	1,035.00	
		For Cast Steel Case, Add	2,328.74	
23 21 23 13-0033	EA	600 GPM Cast Iron Single Stage In-Line Centrifugal Pump, Single Stage With 400' Head And 100 HP	16,215.90	787.24
		For Mechanical Seal, Add	1,108.29	
		For Cast Steel Case, Add	2,493.64	

**23 21 23 16 Base-Mounted, Centrifugal Hydronic Pumps (23 21 23)**

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

**23 21 23 16-0001 Single Stage, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)**

Note: 1800 RPM, welded steel baseplate, internally flushed mechanical seal, bronze wear ring, galvanized drip pan, and 3 phase 230/460V premium efficiency motor. Bell &amp; Gossett 1510 Series.

23 21 23 16-0002	EA	5 HP, 50 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/4 BC, BF, 184T)	3,462.19	212.22
23 21 23 16-0003	EA	7.5 HP, 100 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/2 BC, BF, 213T)	3,877.84	212.49
23 21 23 16-0004	EA	10 HP, 225 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 215T)	5,106.82	279.17

**23 Heating, Ventilating, And Air-Conditioning (HVAC)**

**23 20 HVAC Piping And Pumps**

**23 21 Hydronic Piping And Pumps**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	23 16-0005	EA	15 HP, 250 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 254T).....	5,610.18	343.44
23 21	23 16-0006	EA	15 HP, 300 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 G, BF, 254T).....	6,264.50	343.44
23 21	23 16-0007	EA	20 HP, 350 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 E, BF, 256T).....	6,107.72	372.23
23 21	23 16-0008	EA	20 HP, 500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 256T).....	6,479.73	372.23
23 21	23 16-0009	EA	25 HP, 600 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 284T).....	7,077.64	390.31
23 21	23 16-0010	EA	30 HP, 750 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 286T).....	7,897.08	496.08
23 21	23 16-0011	EA	40 HP, 1,050 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 324T).....	8,369.79	557.68
23 21	23 16-0012	EA	60 HP, 1,500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 6 E, BF, 364T).....	12,688.63	1,206.29
23 21	23 16-0013	EA	75 HP, 2,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 365T).....	18,342.67	1,447.29
23 21	23 16-0014	EA	100 HP, 3,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 404TS).....	20,831.94	1,809.11

**23 21 23 16-0015 Single Stage, Vertical Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)**

Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

23 21	23 16-0016	EA	40 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 1-1/2 HP.....	1,354.11	155.99
			<i>For 300 LB Flanges, Add</i>	268.20	
23 21	23 16-0017	EA	50 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 2 HP.....	1,592.11	167.37
			<i>For 300 LB Flanges, Add</i>	335.26	
23 21	23 16-0018	EA	90 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 3 HP.....	1,974.41	178.75
			<i>For 300 LB Flanges, Add</i>	419.22	
23 21	23 16-0019	EA	100 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 5 HP.....	2,346.96	212.22
			<i>For 300 LB Flanges, Add</i>	491.10	
23 21	23 16-0020	EA	150 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 7.5 HP.....	2,466.15	212.49
			<i>For 300 LB Flanges, Add</i>	516.12	
23 21	23 16-0021	EA	200 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP.....	2,725.34	279.17
			<i>For 300 LB Flanges, Add</i>	555.81	
23 21	23 16-0022	EA	225 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP.....	2,725.34	279.17
			<i>For 300 LB Flanges, Add</i>	555.81	
23 21	23 16-0023	EA	250 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 10 HP.....	2,725.34	279.17
			<i>For 300 LB Flanges, Add</i>	555.81	
23 21	23 16-0024	EA	300 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 15 HP.....	3,325.27	343.44
			<i>For 300 LB Flanges, Add</i>	676.82	
23 21	23 16-0025	EA	350 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 15 HP.....	3,395.83	343.18
			<i>For 300 LB Flanges, Add</i>	688.23	
23 21	23 16-0026	EA	500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 20 HP.....	3,569.41	372.23
			<i>For 300 LB Flanges, Add</i>	724.98	
23 21	23 16-0027	EA	600 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 25 HP.....	3,902.35	390.31
			<i>For 300 LB Flanges, Add</i>	794.84	
23 21	23 16-0028	EA	750 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 30 HP.....	4,428.89	496.08
			<i>For 300 LB Flanges, Add</i>	884.06	
23 21	23 16-0029	EA	1,050 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 40 HP.....	5,013.78	557.68
			<i>For 300 LB Flanges, Add</i>	1,002.39	
23 21	23 16-0030	EA	1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 60 HP.....	8,027.23	1,206.29
			<i>For 300 LB Flanges, Add</i>	1,425.31	
23 21	23 16-0031	EA	2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 75 HP.....	9,578.23	1,447.29
			<i>For 300 LB Flanges, Add</i>	1,696.76	
23 21	23 16-0032	EA	3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case, 100 HP.....	11,539.03	1,809.11
			<i>For 300 LB Flanges, Add</i>	2,012.51	

**23 21 23 16-0033 Single Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)**

Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

23 21	23 16-0034	EA	40 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 1-1/2" HP.....	1,947.33	155.99
			<i>For 300 LB Flanges, Add</i>	416.51	
23 21	23 16-0035	EA	50 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 2 HP.....	2,010.73	167.37
			<i>For 300 LB Flanges, Add</i>	427.36	
23 21	23 16-0036	EA	90 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 3 HP.....	2,074.24	178.75
			<i>For 300 LB Flanges, Add</i>	438.22	
23 21	23 16-0037	EA	100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 5 HP.....	2,234.62	182.77
			<i>For 300 LB Flanges, Add</i>	476.34	
23 21	23 16-0038	EA	100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 7.5 HP.....	3,501.20	212.22
			<i>For 300 LB Flanges, Add</i>	779.66	
23 21	23 16-0039	EA	250 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 10 HP.....	4,601.90	279.17
			<i>For 300 LB Flanges, Add</i>	1,041.93	
23 21	23 16-0040	EA	350 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 15 HP.....	4,751.54	301.26
			<i>For 300 LB Flanges, Add</i>	1,062.36	
23 21	23 16-0041	EA	500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 20 HP.....	5,106.12	334.74
			<i>For 300 LB Flanges, Add</i>	1,122.04	
23 21	23 16-0042	EA	750 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 25 HP.....	5,521.97	306.51
			<i>For 300 LB Flanges, Add</i>	1,242.69	
23 21	23 16-0043	EA	1,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 40 HP.....	6,265.66	393.91
			<i>For 300 LB Flanges, Add</i>	1,389.24	
23 21	23 16-0044	EA	1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 50 HP.....	7,974.38	482.64
			<i>For 300 LB Flanges, Add</i>	1,760.99	
23 21	23 16-0045	EA	2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 75 HP.....	9,085.46	602.82
			<i>For 300 LB Flanges, Add</i>	1,980.62	
23 21	23 16-0046	EA	3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 100 HP.....	12,718.23	723.64
			<i>For 300 LB Flanges, Add</i>	2,830.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0047 EA 3,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 150 HP ..... <i>For 300 LB Flanges, Add</i>	23,254.93 5,426.07	803.76
23 21 23 16-0048 EA 4,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 200 HP ..... <i>For 300 LB Flanges, Add</i>	25,014.35 5,755.16	1,033.77
<b>23 21 23 16-0049 Two Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump</b> <small>(23 21 23 16)</small> Note: 3500 RPM drip-proof motor, common base plate 500' head. Packed stuffing box and boiler feed water service.		
23 21 23 16-0050 EA 100 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 40 HP ..... <i>For 300 LB Flanges, Add</i>	6,581.45 1,490.87	343.44
23 21 23 16-0051 EA 200 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 50 HP ..... <i>For 300 LB Flanges, Add</i>	7,129.52 1,615.01	372.23
23 21 23 16-0052 EA 300 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 75 HP ..... <i>For 300 LB Flanges, Add</i>	8,617.37 1,935.47	478.00
23 21 23 16-0053 EA 400 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 100 HP ..... <i>For 300 LB Flanges, Add</i>	16,501.63 3,824.46	656.81
23 21 23 16-0054 EA 800 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case, 200 HP ..... <i>For 300 LB Flanges, Add</i>	20,330.03 4,681.24	875.75
<b>23 21 23 16-0055 Cast Iron Close Coupling Pumps</b> <small>(23 21 23 16)</small>		
<b>23 21 23 16-0056 Foot Mounted Cast Iron Close Coupled Pumps</b> <small>(23 21 23 16-0055)</small>		
23 21 23 16-0057 EA 3 HP, 90 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 1-1/2 AC, BF, 182JM) .....	3,103.64	200.84
23 21 23 16-0058 EA 3 HP, 150 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 AB, BF, 182JM) .....	3,371.25	200.84
23 21 23 16-0059 EA 5 HP, 225 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 BB, BF, 184JM) .....	3,744.38	212.00
23 21 23 16-0060 EA 5 HP, 350 GPM At 25' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 184JM) .....	3,981.11	212.00
23 21 23 16-0061 EA 7.5 HP, 350 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 213JM) .....	4,567.44	222.93
23 21 23 16-0062 EA 10 HP, 600 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 5 A, BF, 215JM) .....	5,347.85	246.07
23 21 23 16-0063 EA 15 HP, 1,000 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 254JP) .....	7,017.43	303.14
23 21 23 16-0064 EA 20 HP, 1,350 GPM At 30' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 256JP) .....	7,512.78	328.10
23 21 23 16-0065 EA 25 HP, 1,550 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 284JP) .....	8,697.23	354.34
<b>23 21 23 16-0066 Pumps, Polypropylene Body, Housing And Impeller, 115/230 Volt</b> <small>(23 21 23 16)</small>		
23 21 23 16-0067 EA 1/3 HP, Centrifugal Pump, Polypropylene Body .....	789.78	103.76
23 21 23 16-0068 EA 1/2 HP, Centrifugal Pump, Polypropylene Body .....	842.33	110.01
23 21 23 16-0069 EA 3/4 HP, Centrifugal Pump, Polypropylene Body .....	978.85	117.14
23 21 23 16-0070 EA 1 HP, Centrifugal Pump, Polypropylene Body .....	1,093.69	127.25
<b>23 21 23 16-0071 Pumps, Polyvinylidene Fluoride (PVDF) Body, Housing And Impeller, 115/230 Volt</b> <small>(23 21 23 16)</small>		
23 21 23 16-0072 EA 1/2 HP, Centrifugal Pump, Polyvinylidene Fluoride (PVDF) Body .....	1,053.79	110.01
23 21 23 16-0073 EA 3/4 HP, Centrifugal Pump, Polyvinylidene Fluoride (PVDF) Body .....	1,130.61	117.14
23 21 23 16-0074 EA 1 HP, Centrifugal Pump, Polyvinylidene Fluoride (PVDF) Body .....	1,237.02	127.25
<b>23 21 23 16-0075 Pump, Stainless Steel Centrifugal Pump</b> <small>(23 21 23 16)</small>		
<b>23 21 23 16-0076 Pump, 304 Stainless Steel Centrifugal Pump</b> <small>(23 21 23 16-0075)</small> Note: Carbon/ceramic seals with viton elastomer, 3450 RPM.		
23 21 23 16-0077 EA 3/4 HP SS Pump, 1-1/4" In, 1" Discharge, Threaded, 1 Phase .....	799.17	107.78
23 21 23 16-0078 EA 1 HP SS Pump, 1-1/4" In, 1" Discharge, Threaded, 1 Phase .....	885.97	137.24
23 21 23 16-0079 EA 1-1/2 HP SS Pump, 1-1/4" In, 1" Discharge, Threaded, 1 Phase .....	1,004.60	167.37
23 21 23 16-0080 EA 2 HP SS Pump, 1-1/4" In, 1" Discharge, Threaded, 1 Phase .....	1,145.80	209.21
23 21 23 16-0081 EA 1-1/2 HP SS Pump, 1-1/4" In, 1" Discharge, Threaded, 3 Phase .....	1,010.52	167.37
23 21 23 16-0082 EA 2 HP SS Pump, 1-1/4" In, 1" Discharge, Threaded, 3 Phase .....	1,143.26	209.21
23 21 23 16-0083 EA 3 HP SS Pump, 1-1/4" In, 1" Discharge, Threaded, 3 Phase .....	1,261.49	248.04
23 21 23 16-0084 EA 3 HP SS Pump, 2" In, 1-1/4" Discharge, Flanged, 3 Phase .....	1,808.75	334.74
23 21 23 16-0085 EA 5 HP SS Pump, 2" In, 1-1/4" Discharge, Flanged, 3 Phase .....	2,265.68	493.41
23 21 23 16-0086 EA 7.5 HP SS Pump, 2" In, 1-1/4" Discharge, Flanged, 3 Phase .....	2,839.11	692.17
23 21 23 16-0087 EA 5 HP SS Pump, 2-1/2" In, 1-1/2" Discharge, Flanged, 3 Phase .....	2,229.31	493.41
23 21 23 16-0088 EA 7.5 HP SS Pump, 2-1/2" In, 1-1/2" Discharge, Flanged, 3 Phase .....	2,757.08	692.17
23 21 23 16-0089 EA 7.5 HP SS Pump, 2-1/2" In, 2" Discharge, Flanged, 3 Phase .....	2,769.76	692.17
<b>23 21 23 16-0090 Pump, 316 Stainless Steel Centrifugal Pump With Viton Elastomer</b> <small>(23 21 23 16-0075)</small>		
23 21 23 16-0091 EA 1/2 HP SS Pump, 1" In/Out, Threaded, 1 Phase .....	741.65	83.69
23 21 23 16-0092 EA 3/4 HP SS Pump, 1" In/Out, Threaded, 1 Phase .....	814.03	107.78
23 21 23 16-0093 EA 3/4 HP SS Pump, 1" In/Out, Threaded, 3 Phase .....	846.09	107.78



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 21 Hydronic Piping And Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	23 16-0094	EA	1 HP SS Pump, 1" In/Out, Threaded, 1 Phase .....	891.08	137.24
23 21	23 16-0095	EA	1 HP SS Pump, 1" In/Out, Threaded, 3 Phase .....	922.49	137.24
23 21	23 16-0096	EA	1.5 HP SS Pump, 1" In/Out, Threaded, 1 Phase .....	973.95	167.37
23 21	23 16-0097	EA	1.5 HP SS Pump, 1" In/Out, Threaded, 3 Phase .....	1,017.44	167.37
23 21	23 16-0098	EA	2 HP SS Pump, 1" In/Out, Threaded, 1 Phase .....	1,078.02	209.21
23 21	23 16-0099	EA	2 HP SS Pump, 1" In/Out, Threaded, 3 Phase .....	1,119.25	209.21
<b>23 21 23 23 Vertical-Turbine Hydronic Pumps (23 21 23)</b>					
See CSI section 26 29 23 00-0000 for variable frequency motor controllers.					
<b>23 21 23 23-0001 Cast Iron, Bronze Fitted Vertical Turbine Wet Sump Pumps (23 21 23 23)</b>					
Note: For water supply, cooling towers and process liquids. Multi-stage 1750 RPM drip-proof motor. For 1' to 5' sump depth.					
23 21	23 23-0002	EA	50 GPM Cast Iron Turbine Pump, 3" Discharge 100' Head, 10 Stage, 2 HP .....	3,931.04	496.08
			For Each Extra Column Assembly <60", Add	344.24	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	127.49	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	88.18	
23 21	23 23-0003	EA	100 GPM Cast Iron Turbine Pump, 4" Discharge 100' Head, 7 Stage, 3 HP .....	4,082.67	557.68
			For Each Extra Column Assembly <60", Add	356.61	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	133.31	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	92.49	
23 21	23 23-0004	EA	250 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 5 Stage, 15 HP .....	4,802.25	482.64
			For Each Extra Column Assembly <60", Add	418.79	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	157.48	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	109.45	
23 21	23 23-0005	EA	500 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 3 Stage, 25 HP .....	5,140.07	556.95
			For Each Extra Column Assembly <60", Add	446.99	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	169.82	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	118.42	
23 21	23 23-0006	EA	1,000 GPM Cast Iron Turbine Pump, 8" Discharge 150' Head, 2 Stage, 50 HP .....	6,161.79	602.82
			For Each Extra Column Assembly <60", Add	531.71	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	207.71	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	146.09	
23 21	23 23-0007	EA	2,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 3 Stage, 100 HP .....	9,368.97	723.64
			For Each Extra Column Assembly <60", Add	796.04	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	328.24	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	234.55	
23 21	23 23-0008	EA	3,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 2 Stage, 150 HP .....	11,281.43	904.56
			For Each Extra Column Assembly <60", Add	960.66	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	393.11	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	280.29	
23 21	23 23-0009	EA	4,000 GPM Cast Iron Turbine Pump, 12" Discharge 150' Head, 2 Stage, 200 HP .....	17,336.61	1,033.77
			For Each Extra Column Assembly <60", Add	1,453.39	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	627.01	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	453.64	
23 21	23 23-0010	EA	6,000 GPM Cast Iron Turbine Pump, 14" Discharge 150' Head, 2 Stage, 300 HP .....	22,469.02	1,206.29
			For Each Extra Column Assembly <60", Add	1,875.06	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	821.23	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	596.54	
23 21	23 23-0011	EA	10,000 GPM Cast Iron Turbine Pump, 18" Discharge 100' Head, 2 Stage, 300 HP .....	31,030.06	1,447.29
			For Each Extra Column Assembly <60", Add	2,575.45	
			For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	1,148.16	
			For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	837.86	
<b>23 21 29 Automatic Condensate Pump Units (23 21)</b>					
<b>23 21 29 00-0001 Automatic Shallow Pan Condensate Pump (23 21 29)</b>					
23 21	29 00-0002	EA	1/150 HP, 205 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 1-ABS) .....	159.06	21.76
23 21	29 00-0003	EA	1/40 HP, 300 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 2-ABS) .....	173.51	21.76
23 21	29 00-0004	EA	1/12 HP, 310 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 3-ABS) .....	275.31	25.11
<b>23 21 29 00-0005 Automatic Condensate Pump With Tank (23 21 29)</b>					
23 21	29 00-0006	EA	1/20 HP Automatic Condensate Pump With Tank (Hartell KT-15-1UL) .....	84.64	16.74
23 21	29 00-0007	EA	1/30 HP Automatic Condensate Pump With Tank (Little Giant VCMX-20) .....	90.81	16.74
23 21	29 00-0008	EA	1/50 HP, 200 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-14ULS) .....	154.33	21.76
23 21	29 00-0009	EA	1/18 HP, 270 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-24ULS) .....	165.75	25.11
23 21	29 00-0010	EA	1/5 HP, 450 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-45ULS) .....	315.63	28.46
<b>23 22 Steam And Condensate Piping And Pumps (23 20)</b>					
<b>23 22 16 Steam And Condensate Heating Piping Specialties (23 22)</b>					
23 22	16 00-0001		High Temperature Safety Relief Valve (23 22 16) Note: Used in steam or water boiler, heating systems and unfired pressure vessel applications.		
23 22	16 00-0002		Cast Iron Body Safety Valve, Steam Or Water (23 22 16 00-0001) Note: Variable set points to 500 psig pressure, 400 Degree F temperature range.		
23 22	16 00-0003		Threaded (23 22 16 00-0002)		
23 22	16 00-0004	EA	3/4" x 1" Threaded Cast Iron Body Safety Relief Valve, Steam or Water .....	435.41	10.62



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0005 EA 1" x 1-1/4" Threaded Cast Iron Body Safety Relief Valve, Steam or Water .....	452.79	12.57
23 22 16 00-0006 EA 1-1/4" x 1-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water .....	495.34	15.93
23 22 16 00-0007 EA 1-1/2" x 2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water .....	614.86	17.71
23 22 16 00-0008 EA 2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water .....	788.95	21.78
23 22 16 00-0009 EA 2-1/2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water .....	1,242.11	24.78
23 22 16 00-0010 EA 3" x 3" Threaded Cast Iron Body Safety Relief Valve, Steam or Water .....	1,343.15	28.50
<b>23 22 16 00-0011 Flanged</b> <small>(23 22 16 00-0002)</small>		
23 22 16 00-0012 EA 1-1/2" x 2-1/2" Flanged Cast Iron Body Safety Relief Valve, Steam or Water .....	3,169.58	74.35
23 22 16 00-0013 EA 2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water .....	3,674.25	111.76
23 22 16 00-0014 EA 2-1/2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water .....	4,072.30	102.89
23 22 16 00-0015 EA 2-1/2" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water .....	4,931.26	148.60
23 22 16 00-0016 EA 3" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water .....	5,293.31	110.82
23 22 16 00-0017 EA 3" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water .....	6,207.64	148.60
23 22 16 00-0018 EA 4" x 6" Flanged Cast Iron Body Safety Relief Valve, Steam or Water .....	10,412.29	210.89
23 22 16 00-0019 EA 6" x 8" Flanged Cast Iron Body Safety Relief Valve, Steam or Water .....	20,827.81	235.52
<b>23 22 16 00-0020 Bronze Body Safety Valve, Threaded, Steam</b> <small>(23 22 16 00-0001)</small>		
Note: Variable set points to 250 psig pressure, 400 Degree F temperature range. Valve also can be set for Air or Gas with variable set points to 300 psig pressure.		
23 22 16 00-0021 EA 3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Steam .....	477.47	9.74
23 22 16 00-0022 EA 3/4" x 1" Threaded Bronze Body Safety Relief Valve, Steam .....	487.77	10.62
23 22 16 00-0023 EA 1" x 1" Threaded Bronze Body Safety Relief Valve, Steam .....	572.45	11.68
23 22 16 00-0024 EA 1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam .....	632.83	12.57
23 22 16 00-0025 EA 1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam .....	732.98	14.16
23 22 16 00-0026 EA 1-1/4" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam .....	733.15	15.93
23 22 16 00-0027 EA 1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam .....	826.89	16.82
23 22 16 00-0028 EA 1-1/2" x 2" Threaded Bronze Body Safety Relief Valve, Steam .....	902.41	17.71
23 22 16 00-0029 EA 2" x 2" Threaded Bronze Body Safety Relief Valve, Steam .....	1,262.80	19.82
23 22 16 00-0030 EA 2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam .....	1,379.88	21.78
23 22 16 00-0031 EA 2-1/2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam .....	1,648.95	24.78
<b>23 22 16 00-0032 Bronze Body Safety Valve, Threaded, Water</b> <small>(23 22 16 00-0001)</small>		
Note: Variable set points to 160 psig pressure, 250 Degree F temperature range.		
23 22 16 00-0033 EA 3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Water .....	213.96	9.74
23 22 16 00-0034 EA 3/4" x 1" Threaded Bronze Body Safety Relief Valve, Water .....	244.82	10.62
23 22 16 00-0035 EA 1" x 1" Threaded Bronze Body Safety Relief Valve, Water .....	345.46	11.68
23 22 16 00-0036 EA 1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water .....	380.98	12.57
23 22 16 00-0037 EA 1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water .....	559.50	14.16
23 22 16 00-0038 EA 1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Water .....	759.53	16.82
23 22 16 00-0039 EA 2" x 2" Threaded Bronze Body Safety Relief Valve, Water .....	1,117.72	19.82
<b>23 22 16 00-0040 Steam Temperature Regulator, Iron Body</b> <small>(23 22 16)</small>		
<b>23 22 16 00-0041 Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body</b> <small>(23 22 16 00-0040)</small>		
Note: Up to 150 PSI.		
23 22 16 00-0042 EA 1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	1,215.51	10.20
23 22 16 00-0043 EA 3/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	1,275.60	13.74
23 22 16 00-0044 EA 1" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	1,694.26	16.92
23 22 16 00-0045 EA 1-1/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	1,867.87	21.39
23 22 16 00-0046 EA 1-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	1,913.51	24.57
23 22 16 00-0047 EA 2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	2,263.65	26.73
23 22 16 00-0048 EA 2-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	2,864.52	48.96
23 22 16 00-0049 EA 3" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	1,545.63	53.39
23 22 16 00-0050 EA 4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	2,306.42	124.97
23 22 16 00-0051 EA 6" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	3,782.03	146.68
<b>23 22 16 00-0052 Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body</b> <small>(23 22 16 00-0040)</small>		
23 22 16 00-0053 EA 1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	1,807.53	10.20
23 22 16 00-0054 EA 3/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	1,868.53	13.74
23 22 16 00-0055 EA 1" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	1,948.87	16.92
23 22 16 00-0056 EA 1-1/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	2,331.74	21.39
23 22 16 00-0057 EA 1-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	2,495.99	24.57
23 22 16 00-0058 EA 2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	2,835.64	26.73
23 22 16 00-0059 EA 2-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	4,336.40	48.96
23 22 16 00-0060 EA 3" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	2,121.41	53.39
23 22 16 00-0061 EA 4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	2,981.42	124.97
23 22 16 00-0062 EA 6" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	4,766.92	146.68
<b>23 22 16 00-0063 Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body</b> <small>(23 22 16 00-0040)</small>		
23 22 16 00-0064 EA 1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	2,467.62	10.20

**23 Heating, Ventilating, And Air-Conditioning (HVAC)**

**23 20 HVAC Piping And Pumps**

**23 22 Steam And Condensate Piping And Pumps**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0065 EA 3/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,499.81	13.74
23 22 16 00-0066 EA 1" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,733.63	16.92
23 22 16 00-0067 EA 1-1/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,973.52	21.39
23 22 16 00-0068 EA 1-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,078.46	24.57
23 22 16 00-0069 EA 2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,473.94	26.73
23 22 16 00-0070 EA 2-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	6,429.10	48.96
23 22 16 00-0071 EA 3" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,984.33	53.39
23 22 16 00-0072 EA 4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,826.31	124.97
23 22 16 00-0073 EA 6" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	5,341.19	146.68
<b>23 22 16 00-0074 Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0040)</b>		
23 22 16 00-0075 EA 1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,165.19	10.20
23 22 16 00-0076 EA 3/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,193.91	13.74
23 22 16 00-0077 EA 1" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,466.08	16.92
23 22 16 00-0078 EA 1-1/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,608.28	21.39
23 22 16 00-0079 EA 1-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,744.63	24.57
23 22 16 00-0080 EA 2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,077.33	26.73
23 22 16 00-0081 EA 2-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	6,777.89	48.96
23 22 16 00-0082 EA 3" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,134.67	53.39
23 22 16 00-0083 EA 4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,976.65	124.97
23 22 16 00-0084 EA 6" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	5,491.53	146.68
<b>23 22 16 00-0085 Steam Traps (23 22 16)</b>		
<b>23 22 16 00-0086 Inverted Bucket Steam Traps (23 22 16 00-0085)</b>		
23 22 16 00-0087 EA 1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	234.42	21.81
<i>For Work In Restricted Working Space, Add</i>	13.09	
23 22 16 00-0088 EA 3/4" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	236.23	22.72
<i>For Work In Restricted Working Space, Add</i>	13.63	
23 22 16 00-0089 EA 1" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	355.61	24.21
<i>For Work In Restricted Working Space, Add</i>	14.54	
23 22 16 00-0090 EA 1-1/4" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	577.97	33.04
<i>For Work In Restricted Working Space, Add</i>	19.83	
23 22 16 00-0091 EA 1-1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	864.43	40.72
<i>For Work In Restricted Working Space, Add</i>	24.24	
23 22 16 00-0092 EA 2" 250 PSI Inverted Bucket Cast Iron Steam Trap.....	1,098.99	60.59
<i>For Work In Restricted Working Space, Add</i>	36.36	
<b>23 22 16 00-0093 Float And Thermostatic Steam Traps (23 22 16 00-0085)</b>		
23 22 16 00-0094 EA 3/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	247.94	22.72
<i>For Work In Restricted Working Space, Add</i>	13.63	
23 22 16 00-0095 EA 1" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	329.23	24.23
<i>For Work In Restricted Working Space, Add</i>	14.54	
23 22 16 00-0096 EA 1-1/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	405.80	33.05
<i>For Work In Restricted Working Space, Add</i>	19.83	
23 22 16 00-0097 EA 1-1/2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	550.78	40.39
<i>For Work In Restricted Working Space, Add</i>	24.24	
23 22 16 00-0098 EA 2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	1,013.08	60.56
<i>For Work In Restricted Working Space, Add</i>	36.36	
23 22 16 00-0099 EA 3/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	318.43	22.72
<i>For Work In Restricted Working Space, Add</i>	13.63	
23 22 16 00-0100 EA 1" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	346.29	24.21
<i>For Work In Restricted Working Space, Add</i>	14.54	
23 22 16 00-0101 EA 1-1/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	452.32	33.04
<i>For Work In Restricted Working Space, Add</i>	19.83	
23 22 16 00-0102 EA 1-1/2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	653.15	40.35
<i>For Work In Restricted Working Space, Add</i>	24.24	
23 22 16 00-0103 EA 2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	1,117.01	60.59
<i>For Work In Restricted Working Space, Add</i>	36.36	
23 22 16 00-0104 EA 3/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	416.16	22.72
<i>For Work In Restricted Working Space, Add</i>	13.63	
23 22 16 00-0105 EA 1" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	464.18	24.23
<i>For Work In Restricted Working Space, Add</i>	14.54	
23 22 16 00-0106 EA 1-1/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	708.27	33.04
<i>For Work In Restricted Working Space, Add</i>	19.83	
23 22 16 00-0107 EA 1-1/2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	722.96	40.35
<i>For Work In Restricted Working Space, Add</i>	24.24	
23 22 16 00-0108 EA 2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	1,410.16	60.59
<i>For Work In Restricted Working Space, Add</i>	36.36	
23 22 16 00-0109 EA 3/4" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	422.36	22.72
<i>For Work In Restricted Working Space, Add</i>	13.63	
23 22 16 00-0110 EA 1" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	464.18	24.23
<i>For Work In Restricted Working Space, Add</i>	14.54	
23 22 16 00-0111 EA 1-1/4" 150 PSI Max Pressure Float And Thermostatic Steam Trap.....	708.27	33.04
<i>For Work In Restricted Working Space, Add</i>	19.83	
23 22 16 00-0112 EA 1-1/2" 150 PSI Max Pressure Float And Thermostatic Steam Trap.....	722.96	40.35
<i>For Work In Restricted Working Space, Add</i>	24.24	
23 22 16 00-0113 EA 2" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap.....	1,410.16	60.59
<i>For Work In Restricted Working Space, Add</i>	36.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 22 16 00-0114 Thermostatic Steam Traps</b> <small>(23 22 16 00-0085)</small>		
23 22 16 00-0115 EA 1/2" 25 PSI Maximum Pressure Thermostatic Steam Trap.....	115.59	21.81
<i>For Work In Restricted Working Space, Add</i>		
	13.09	
23 22 16 00-0116 EA 3/4" 25 PSI Maximum Pressure Thermostatic Steam Trap.....	198.99	22.72
<i>For Work In Restricted Working Space, Add</i>		
	13.63	
23 22 16 00-0117 EA 1" 25 PSI Maximum Pressure Thermostatic Steam Trap.....	247.37	24.21
<i>For Work In Restricted Working Space, Add</i>		
	14.54	
<b>23 22 16 00-0118 Thermodynamic Steam Traps</b> <small>(23 22 16 00-0085)</small>		
23 22 16 00-0119 EA 3/8" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	266.71	19.63
23 22 16 00-0120 EA 1/2" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	381.78	21.81
23 22 16 00-0121 EA 3/4" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	475.09	22.72
23 22 16 00-0122 EA 1" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	639.45	24.21
<b>23 22 16 00-0123 Steam Moisture Separator</b> <small>(23 22 16 00-0085)</small>		
23 22 16 00-0124 EA 1" Steam Moisture Separator, Threaded .....	737.41	55.26
23 22 16 00-0125 EA 1-1/2" Steam Moisture Separator, Threaded .....	906.93	63.26
23 22 16 00-0126 EA 2" Steam Moisture Separator, Flanged.....	1,326.99	96.92
23 22 16 00-0127 EA 2-1/2" Steam Moisture Separator, Flanged.....	738.78	105.43
23 22 16 00-0128 EA 3" Steam Moisture Separator, Flanged.....	976.36	123.61
23 22 16 00-0129 EA 4" Steam Moisture Separator, Flanged.....	1,609.33	207.23
23 22 16 00-0130 EA 6" Steam Moisture Separator, Flanged.....	3,307.52	261.76
<b>23 22 16 00-0131 Steam/Condensate Meter</b> <small>(23 22 16)</small>		
Note: Meter shall be of the rotary volumetric type and sized on the maximum estimated steam demand.		
23 22 16 00-0132 EA 1" Steam/Condensate Meter.....	3,511.50	39.11
<i>For Steam Meter Pressure-Compensated Counter, Add</i>		
	1,220.00	
<i>For Contactor Used For Dial Counter, Add</i>		
	567.00	
<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>		
	905.00	
<i>For Direct Reading Pressure Gauge, Add</i>		
	79.82	
<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>		
	64.52	
23 22 16 00-0133 EA 2" Steam/Condensate Meter.....	3,961.93	45.96
<i>For Steam Meter Pressure-Compensated Counter, Add</i>		
	1,220.00	
<i>For Contactor Used For Dial Counter, Add</i>		
	567.00	
<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>		
	905.00	
<i>For Direct Reading Pressure Gauge, Add</i>		
	79.82	
<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>		
	64.52	
23 22 16 00-0134 EA 2-1/2" Steam/Condensate Meter.....	4,202.47	57.04
<i>For Steam Meter Pressure-Compensated Counter, Add</i>		
	1,220.00	
<i>For Contactor Used For Dial Counter, Add</i>		
	567.00	
<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>		
	905.00	
<i>For Direct Reading Pressure Gauge, Add</i>		
	79.82	
<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>		
	64.52	
23 22 16 00-0135 EA 3" Steam/Condensate Meter.....	4,456.69	74.96
<i>For Steam Meter Pressure-Compensated Counter, Add</i>		
	1,220.00	
<i>For Contactor Used For Dial Counter, Add</i>		
	567.00	
<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>		
	905.00	
<i>For Direct Reading Pressure Gauge, Add</i>		
	79.82	
<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>		
	64.52	
23 22 16 00-0136 EA 4" Steam/Condensate Meter.....	4,968.67	88.33
<i>For Steam Meter Pressure-Compensated Counter, Add</i>		
	1,220.00	
<i>For Contactor Used For Dial Counter, Add</i>		
	567.00	
<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>		
	905.00	
<i>For Direct Reading Pressure Gauge, Add</i>		
	79.82	
<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>		
	64.52	
23 22 16 00-0137 EA 6" Steam/Condensate Meter.....	9,398.84	544.32
<i>For Steam Meter Pressure-Compensated Counter, Add</i>		
	1,220.00	
<i>For Contactor Used For Dial Counter, Add</i>		
	567.00	
<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>		
	905.00	
<i>For Direct Reading Pressure Gauge, Add</i>		
	79.82	
<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>		
	64.52	
23 22 16 00-0138 EA 8" Steam/Condensate Meter.....	9,694.88	577.11
<i>For Steam Meter Pressure-Compensated Counter, Add</i>		
	1,220.00	
<i>For Contactor Used For Dial Counter, Add</i>		
	567.00	
<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>		
	905.00	
<i>For Direct Reading Pressure Gauge, Add</i>		
	79.82	
<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>		
	64.52	
23 22 16 00-0139 EA 10" Steam/Condensate Meter.....	10,074.55	603.12
<i>For Steam Meter Pressure-Compensated Counter, Add</i>		
	1,220.00	
<i>For Contactor Used For Dial Counter, Add</i>		
	567.00	
<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>		
	905.00	
<i>For Direct Reading Pressure Gauge, Add</i>		
	79.82	
<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>		
	64.52	
23 22 16 00-0140 EA 12" Steam/Condensate Meter.....	10,504.33	642.10
<i>For Steam Meter Pressure-Compensated Counter, Add</i>		
	1,220.00	
<i>For Contactor Used For Dial Counter, Add</i>		
	567.00	
<i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i>		
	905.00	
<i>For Direct Reading Pressure Gauge, Add</i>		
	79.82	
<i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>		
	64.52	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 22 Steam And Condensate Piping And Pumps**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0141 EA 14" Steam/Condensate Meter..... <i>For Steam Meter Pressure-Compensated Counter, Add</i> <i>For Contactor Used For Dial Counter, Add</i> <i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i> <i>For Direct Reading Pressure Gauge, Add</i> <i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	11,149.17 1,220.00 567.00 905.00 79.82 64.52	697.64
23 22 16 00-0142 EA 16" Steam/Condensate Meter..... <i>For Steam Meter Pressure-Compensated Counter, Add</i> <i>For Contactor Used For Dial Counter, Add</i> <i>For Wall Or Panel Mounted Remote Totalizer With Contactor, Add</i> <i>For Direct Reading Pressure Gauge, Add</i> <i>For Direct Reading Thermometer, Stainless Steel Case With Trim, Add</i>	11,504.50 1,220.00 567.00 905.00 79.82 64.52	723.65
<b>23 22 23 Steam Condensate Pumps (23 22)</b>		
<b>23 22 23 13 Electric-Driven Steam Condensate Pumps (23 22 23)</b>		
23 22 23 13-0001 Simplex Condensate Pumps And Motors (23 22 23 13) Note: Cast iron receiver, float switch.		
23 22 23 13-0002 20 PSI Discharge Pressure (23 22 23 13-0001)		
23 22 23 13-0003 EA 3 To 6 GPM Simplex Condensate Pump And 1/3 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	1,712.71	340.77
23 22 23 13-0004 EA 9 To 12 GPM Simplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	2,264.18	350.14
23 22 23 13-0005 EA 15 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	2,362.61	373.57
23 22 23 13-0006 EA 22.5 GPM Simplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	2,626.45	377.59
23 22 23 13-0007 EA 30 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	2,942.95	411.06
23 22 23 13-0008 EA 37.5 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	4,466.84	411.06
23 22 23 13-0009 EA 45 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	4,524.89	439.18
23 22 23 13-0010 EA 60 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	5,575.38	459.26
23 22 23 13-0011 EA 75 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	5,621.24	479.35
23 22 23 13-0012 30 PSI Discharge Pressure (23 22 23 13-0001)		
23 22 23 13-0013 EA 3 To 6 GPM Simplex Condensate Pump And 1/2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure .....	1,985.43	364.20
23 22 23 13-0014 EA 9 To 12 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure .....	2,660.37	373.57
23 22 23 13-0015 EA 15 GPM Simplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure .....	2,755.29	398.34
23 22 23 13-0016 EA 22.5 GPM Simplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure .....	3,207.89	430.47
23 22 23 13-0017 EA 30 To 37.5 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure .....	4,524.89	439.85
23 22 23 13-0018 EA 45 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure .....	4,647.57	455.25
23 22 23 13-0019 EA 60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure .....	4,781.22	479.35
23 22 23 13-0020 EA 75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure .....	5,579.75	510.14
23 22 23 13-0021 40 PSI Discharge Pressure (23 22 23 13-0001)		
23 22 23 13-0022 EA 3 To 6 GPM Simplex Condensate Pump And 1 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure .....	2,204.97	417.75
23 22 23 13-0023 EA 9 To 15 GPM Simplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure .....	2,861.75	451.22
23 22 23 13-0024 EA 22.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure .....	3,391.10	445.87
23 22 23 13-0025 EA 30 To 37.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure .....	4,623.36	455.25
23 22 23 13-0026 EA 45 GPM Simplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure .....	4,714.01	474.66
23 22 23 13-0027 EA 60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure .....	5,621.24	479.35
23 22 23 13-0028 EA 75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure .....	5,682.63	510.14
23 22 23 13-0029 50 PSI Discharge Pressure (23 22 23 13-0001)		
23 22 23 13-0030 EA 3 To 6 GPM Simplex Condensate Pump And 2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure .....	4,396.09	452.57
23 22 23 13-0031 EA 9 To 15 GPM Simplex Condensate Pump And 2 HP Motor With 13.6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure .....	3,087.18	461.94



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0032	EA	22.5 GPM Simplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	3,594.31	465.29
23 22 23 13-0033	EA	30 To 45 GPM Simplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	4,774.18	506.12
23 22 23 13-0034	EA	60 To 75 GPM Simplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	7,713.98	545.62
<b>23 22 23 13-0035</b>		<b>Duplex Condensate Pumps And Motors</b> <small>(23 22 23 13)</small> Note: Cast iron receiver, float switch, alternator assembly.		
<b>23 22 23 13-0036</b>		<b>20 PSI Discharge Pressure</b> <small>(23 22 23 13-0035)</small>		
23 22 23 13-0037	EA	9 To 12 GPM Duplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	2,901.89	457.26
23 22 23 13-0038	EA	15 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	3,062.71	502.11
23 22 23 13-0039	EA	22.5 GPM Duplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	3,377.38	506.12
23 22 23 13-0040	EA	30 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	3,784.04	551.64
23 22 23 13-0041	EA	37.5 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	5,428.98	551.64
23 22 23 13-0042	EA	45 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	5,509.64	594.50
23 22 23 13-0043	EA	60 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	6,585.93	620.60
23 22 23 13-0044	EA	75 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	6,738.08	651.40
<b>23 22 23 13-0045</b>		<b>30 PSI Discharge Pressure</b> <small>(23 22 23 13-0035)</small>		
23 22 23 13-0046	EA	9 To 12 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	3,831.77	492.73
23 22 23 13-0047	EA	15 GPM Duplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	3,995.81	538.26
23 22 23 13-0048	EA	22.5 GPM Duplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	4,429.89	524.87
23 22 23 13-0049	EA	30 To 37.5 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	5,509.64	594.50
23 22 23 13-0050	EA	45 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	5,662.95	616.59
23 22 23 13-0051	EA	60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	6,496.00	651.40
23 22 23 13-0052	EA	75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	6,808.38	698.27
<b>23 22 23 13-0053</b>		<b>40 PSI Discharge Pressure</b> <small>(23 22 23 13-0035)</small>		
23 22 23 13-0054	EA	9 To 15 GPM Duplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	4,124.90	581.11
23 22 23 13-0055	EA	22.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	4,580.78	607.22
23 22 23 13-0056	EA	30 To 37.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	5,677.48	616.59
23 22 23 13-0057	EA	45 GPM Duplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	5,830.86	647.39
23 22 23 13-0058	EA	60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	6,739.29	651.40
23 22 23 13-0059	EA	75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	6,837.43	698.27
<b>23 22 23 13-0060</b>		<b>50 PSI Discharge Pressure</b> <small>(23 22 23 13-0035)</small>		
23 22 23 13-0061	EA	9 To 15 GPM Duplex Condensate Pump And 2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	4,325.83	581.11
23 22 23 13-0062	EA	22.5 GPM Duplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	4,661.54	638.68
23 22 23 13-0063	EA	30 To 45 GPM Duplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	5,930.20	693.58
23 22 23 13-0064	EA	60 To 75 GPM Duplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	10,634.91	751.16
<b>23 23 Refrigerant Piping</b> <small>(23 20)</small>				
<b>23 23 13 Refrigerant Piping Valves</b> <small>(23 23)</small>				
23 23 13 00-0001		Ball Valves <small>(23 23 13)</small>		
23 23 13 00-0002		Refrigeration Ball Valves, Sweat, 1400 Series <small>(23 23 13 00-0001)</small>		
23 23 13 00-0003	EA	3/8" Refrigeration Ball Valve, Sweated.....	29.17	7.08
23 23 13 00-0004	EA	1/2" Refrigeration Ball Valve, Sweated.....	30.31	7.08
23 23 13 00-0005	EA	5/8" Refrigeration Ball Valve, Sweated.....	41.23	7.08

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 23 Refrigerant Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 13 00-0006 EA 7/8" Refrigeration Ball Valve, Sweated .....	55.20	7.79
23 23 13 00-0007 EA 1-1/8" Refrigeration Ball Valve, Sweated .....	77.73	8.85
23 23 13 00-0008 EA 1-5/8" Refrigeration Ball Valve, Sweated .....	127.06	10.90
<b>23 23 13 00-0009 Shut-Off Valves (23 23 13)</b>		
<b>23 23 13 00-0010 Packless (23 23 13 00-0009)</b>		
23 23 13 00-0011 EA 1/2" Refrigeration Valve, Packless .....	40.30	7.56
23 23 13 00-0012 EA 5/8" Refrigeration Valve, Packless .....	50.49	8.29
23 23 13 00-0013 EA 7/8" Refrigeration Valve, Packless .....	104.02	11.34
<b>23 23 13 00-0014 Packed (23 23 13 00-0009)</b>		
23 23 13 00-0015 EA 1-1/8" Refrigeration Valve, Packed .....	185.14	16.50
23 23 13 00-0016 EA 1 3/8" Refrigeration Valve, Packed .....	247.67	20.21
23 23 13 00-0017 EA 1-5/8" Refrigeration Valve, Packed .....	301.88	22.76
23 23 13 00-0018 EA 2-1/8" Refrigeration Valve, Packed .....	431.91	25.96
23 23 13 00-0019 EA 2-5/8" Refrigeration Valve, Packed .....	714.00	72.71
23 23 13 00-0020 EA 3-1/8" Refrigeration Valve, Packed .....	937.33	90.89
23 23 13 00-0021 EA 4-1/8" Refrigeration Valve, Packed .....	1,333.63	121.21
<b>23 23 13 00-0022 Check Valves (23 23 13)</b>		
23 23 13 00-0023 EA 5/8" Check Valve, Refrigeration .....	50.75	7.27
23 23 13 00-0024 EA 7/8" Check Valve, Refrigeration .....	162.08	7.99
23 23 13 00-0025 EA 1-1/8" Check Valve, Refrigeration .....	187.91	9.09
23 23 13 00-0026 EA 1 3/8" Check Valve, Refrigeration .....	253.21	9.67
23 23 13 00-0027 EA 1-5/8" Check Valve, Refrigeration .....	333.70	11.20
23 23 13 00-0028 EA 2-1/8" Check Valve, Refrigeration .....	495.55	13.24
23 23 13 00-0029 EA 2-5/8" Check Valve, Refrigeration .....	693.51	19.42
23 23 13 00-0030 EA 3-1/8" Check Valve, Refrigeration .....	918.17	25.45
<b>23 23 13 00-0031 Solenoid Valves (23 23 13)</b>		
<b>23 23 13 00-0032 Solenoid Valve, 24 Volt Coil (23 23 13 00-0031)</b>		
23 23 13 00-0033 EA 1/2" Solenoid Valve, Refrigeration .....	189.19	7.27
23 23 13 00-0034 EA 5/8" Solenoid Valve, Refrigeration .....	194.01	7.27
23 23 13 00-0035 EA 3/4" Solenoid Valve, Refrigeration .....	238.61	7.99
23 23 13 00-0036 EA 7/8" Solenoid Valve, Refrigeration .....	238.61	7.99
23 23 13 00-0037 EA 1-1/8" Solenoid Valve, Refrigeration .....	336.93	9.09
23 23 13 00-0038 EA 1 3/8" Solenoid Valve, Refrigeration .....	547.04	9.67
23 23 13 00-0039 EA 1-5/8" Solenoid Valve, Refrigeration .....	1,022.93	11.20
23 23 13 00-0040 EA 2-1/8" Solenoid Valve, Refrigeration .....	1,033.10	13.24
<b>23 23 16 Refrigerant Piping Specialties (23 23)</b>		
<b>23 23 16 00-0001 Soft Refrigeration Copper Tubing (23 23 16)</b>		
Note: Based on outside diameter. Nitrogenized.		
23 23 16 00-0002 LF 1/8" Outside Diameter Soft Refrigeration Copper Tubing .....	3.25	1.97
23 23 16 00-0003 LF 3/16" Outside Diameter Soft Refrigeration Copper Tubing .....	3.31	1.97
23 23 16 00-0004 LF 1/4" Outside Diameter Soft Refrigeration Copper Tubing .....	3.37	1.97
23 23 16 00-0005 LF 5/16" Outside Diameter Soft Refrigeration Copper Tubing .....	3.58	1.97
23 23 16 00-0006 LF 3/8" Outside Diameter Soft Refrigeration Copper Tubing .....	3.70	2.04
23 23 16 00-0007 LF 1/2" Outside Diameter Soft Refrigeration Copper Tubing .....	4.21	2.18
23 23 16 00-0008 LF 5/8" Outside Diameter Soft Refrigeration Copper Tubing .....	4.52	2.18
23 23 16 00-0009 LF 3/4" Outside Diameter Soft Refrigeration Copper Tubing .....	5.29	2.54
23 23 16 00-0010 LF 7/8" Outside Diameter Soft Refrigeration Copper Tubing .....	6.31	2.69
23 23 16 00-0011 LF 1-1/8" Outside Diameter Soft Refrigeration Copper Tubing .....	8.12	3.28
23 23 16 00-0012 LF 1-3/8" Outside Diameter Soft Refrigeration Copper Tubing .....	11.29	3.78
23 23 16 00-0013 LF 1-5/8" Outside Diameter Soft Refrigeration Copper Tubing .....	13.17	4.07
<b>23 23 16 00-0014 Type L Drawn, ACR Copper Tubing (23 23 16)</b>		
Note: Nitrogenized.		
23 23 16 00-0015 LF 3/8" Outside Diameter Type L Drawn, ACR Copper Tubing .....	3.80	1.99
For Medical Applications "Oxygen Clean", Add	0.34	
23 23 16 00-0016 LF 1/2" Outside Diameter Type L Drawn, ACR Copper Tubing .....	4.21	1.99
For Medical Applications "Oxygen Clean", Add	0.36	
23 23 16 00-0017 LF 5/8" Outside Diameter Type L Drawn, ACR Copper Tubing .....	4.48	1.99
For Medical Applications "Oxygen Clean", Add	0.38	
23 23 16 00-0018 LF 3/4" Outside Diameter Type L Drawn, ACR Copper Tubing .....	6.61	3.05
For Medical Applications "Oxygen Clean", Add	0.56	
23 23 16 00-0019 LF 7/8" Outside Diameter Type L Drawn, ACR Copper Tubing .....	7.20	3.28
For Medical Applications "Oxygen Clean", Add	0.61	
23 23 16 00-0020 LF 1-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing .....	8.23	3.28
For Medical Applications "Oxygen Clean", Add	0.66	
23 23 16 00-0021 LF 1-3/8" Outside Diameter Type L Drawn, ACR Copper Tubing .....	10.17	3.78
For Medical Applications "Oxygen Clean", Add	0.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0022 LF 1-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing ..... <i>For Medical Applications "Oxygen Clean", Add</i>	12.24 0.94	4.36
23 23 16 00-0023 LF 2-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing ..... <i>For Medical Applications "Oxygen Clean", Add</i>	17.13 1.27	5.45
23 23 16 00-0024 LF 2-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing ..... <i>For Medical Applications "Oxygen Clean", Add</i>	25.71 1.90	8.22
23 23 16 00-0025 LF 3-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing ..... <i>For Medical Applications "Oxygen Clean", Add</i>	33.13 2.42	10.18
23 23 16 00-0026 LF 3-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing ..... <i>For Medical Applications "Oxygen Clean", Add</i>	41.03 2.94	11.75
23 23 16 00-0027 LF 4-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing ..... <i>For Medical Applications "Oxygen Clean", Add</i>	51.18 3.65	14.55
<b>23 23 16 00-0028 Refrigeration Fittings (23 23 16)</b>		
<b>23 23 16 00-0029 Brass Flare Fittings (23 23 16 00-0028)</b>		
<b>23 23 16 00-0030 Brass Flare Unions (23 23 16 00-0029)</b>		
23 23 16 00-0031 EA 3/8" Brass Flare Union.....	14.70	7.65
23 23 16 00-0032 EA 1/2" Brass Flare Union.....	14.70	7.65
23 23 16 00-0033 EA 5/8" Brass Flare Union.....	15.54	7.65
<b>23 23 16 00-0034 90 Degree Elbow Brass Flare Unions (23 23 16 00-0029)</b>		
23 23 16 00-0035 EA 3/8" 90 Degree Brass Flare Elbow Union .....	15.21	7.65
23 23 16 00-0036 EA 1/2" 90 Degree Brass Flare Elbow Union .....	15.21	7.65
23 23 16 00-0037 EA 5/8" 90 Degree Brass Flare Elbow Union .....	18.04	7.65
<b>23 23 16 00-0038 Brass Flare Tees (23 23 16 00-0029)</b>		
23 23 16 00-0039 EA 3/8" Brass Flare Tee.....	23.96	12.75
23 23 16 00-0040 EA 1/2" Brass Flare Tee.....	25.22	12.75
23 23 16 00-0041 EA 5/8" Brass Flare Tee.....	32.08	12.75
<b>23 23 16 00-0042 Male Connector, Half Brass Flare Unions (23 23 16 00-0029)</b>		
23 23 16 00-0043 EA 3/8" Brass Flare Male Connector, Half Union .....	12.38	7.65
23 23 16 00-0044 EA 1/2" Brass Flare Male Connector, Half Union .....	13.23	7.65
23 23 16 00-0045 EA 5/8" Brass Flare Male Connector, Half Union .....	14.43	7.65
<b>23 23 16 00-0046 Female Connector, Half Brass Flare Unions (23 23 16 00-0029)</b>		
23 23 16 00-0047 EA 3/8" Brass Flare Female Connector, Half Union .....	13.47	7.65
23 23 16 00-0048 EA 1/2" Brass Flare Female Connector, Half Union .....	14.61	7.65
23 23 16 00-0049 EA 5/8" Brass Flare Female Connector, Half Union .....	14.61	7.65
<b>23 23 16 00-0050 Long Forged Nuts (23 23 16 00-0029)</b>		
23 23 16 00-0051 EA 3/8" Brass Long Forged Nut .....	12.90	7.65
23 23 16 00-0052 EA 1/2" Brass Long Forged Nut .....	13.23	7.65
23 23 16 00-0053 EA 5/8" Brass Long Forged Nut .....	16.90	7.65
<b>23 23 16 00-0054 Short Forged Nuts (23 23 16 00-0029)</b>		
23 23 16 00-0055 EA 3/8" Brass Short Forged Nut.....	12.42	7.65
23 23 16 00-0056 EA 1/2" Brass Short Forged Nut.....	13.18	7.65
23 23 16 00-0057 EA 5/8" Brass Short Forged Nut.....	13.34	7.65
<b>23 23 16 00-0058 ACR Wrought Copper Fittings (23 23 16 00-0028)</b>		
Note: Soldered.		
<b>23 23 16 00-0059 ACR Wrought Copper Coupling (23 23 16 00-0058)</b>		
Note: C x C		
23 23 16 00-0060 EA 1/4" ACR Wrought Copper Coupling.....	12.19	7.65
23 23 16 00-0061 EA 3/8" ACR Wrought Copper Coupling.....	12.05	7.65
23 23 16 00-0062 EA 1/2" ACR Wrought Copper Coupling.....	12.25	7.65
23 23 16 00-0063 EA 5/8" ACR Wrought Copper Coupling.....	13.03	8.22
23 23 16 00-0064 EA 3/4" ACR Wrought Copper Coupling.....	18.10	10.84
23 23 16 00-0065 EA 7/8" ACR Wrought Copper Coupling.....	18.04	11.13
23 23 16 00-0066 EA 1-1/8" ACR Wrought Copper Coupling .....	23.45	13.81
23 23 16 00-0067 EA 1-3/8" ACR Wrought Copper Coupling .....	33.19	18.90
23 23 16 00-0068 EA 1-5/8" ACR Wrought Copper Coupling .....	39.68	22.18
23 23 16 00-0069 EA 2-1/8" ACR Wrought Copper Coupling .....	50.97	26.90
23 23 16 00-0070 EA 2-5/8" ACR Wrought Copper Coupling .....	85.28	40.87
23 23 16 00-0071 EA 3-1/8" ACR Wrought Copper Coupling .....	113.32	53.73
23 23 16 00-0072 EA 4-1/8" ACR Wrought Copper Coupling .....	170.17	63.84



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 23 Refrigerant Piping**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 23 16 00-0073	ACR Wrought Copper Short Radius 90 Degree Elbows (23 23 16 00-0058)		
	Note: C x C		
23 23 16 00-0074	EA 1/4" ACR Wrought Copper Short Radius 90 Degree Elbow.....	14.00	7.65
23 23 16 00-0075	EA 3/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	14.13	7.65
23 23 16 00-0076	EA 1/2" ACR Wrought Copper Short Radius 90 Degree Elbow.....	14.00	7.65
23 23 16 00-0077	EA 5/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	15.39	8.22
23 23 16 00-0078	EA 3/4" ACR Wrought Copper Short Radius 90 Degree Elbow.....	21.80	10.84
23 23 16 00-0079	EA 7/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	22.14	11.13
23 23 16 00-0080	EA 1-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	28.02	13.81
23 23 16 00-0081	EA 1 3/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	35.83	18.90
23 23 16 00-0082	EA 1-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	44.94	22.18
23 23 16 00-0083	EA 2-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	61.54	26.90
23 23 16 00-0084	EA 2-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	103.75	40.87
23 23 16 00-0085	EA 3-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	133.99	53.73
23 23 16 00-0086	EA 4-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	232.41	63.84
<b>23 23 16 00-0087</b>	<b>ACR Wrought Copper Long Radius 90 Degree Elbows (23 23 16 00-0058)</b>		
	Note: C x C		
23 23 16 00-0088	EA 1/4" ACR Wrought Copper Long Radius 90 Degree Elbow.....	16.26	7.65
23 23 16 00-0089	EA 3/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	15.07	7.65
23 23 16 00-0090	EA 1/2" ACR Wrought Copper Long Radius 90 Degree Elbow.....	16.02	7.65
23 23 16 00-0091	EA 5/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	16.48	8.22
23 23 16 00-0092	EA 3/4" ACR Wrought Copper Long Radius 90 Degree Elbow.....	20.47	10.84
23 23 16 00-0093	EA 7/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	22.00	11.13
23 23 16 00-0094	EA 1-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	29.28	13.81
23 23 16 00-0095	EA 1-3/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	42.29	18.90
23 23 16 00-0096	EA 1-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	51.99	22.18
23 23 16 00-0097	EA 2-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	89.52	26.90
23 23 16 00-0098	EA 2-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	139.17	40.87
23 23 16 00-0099	EA 3-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	183.76	53.73
23 23 16 00-0100	EA 4-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	372.11	63.84
<b>23 23 16 00-0101</b>	<b>ACR Wrought Copper 45 Degree Elbow (23 23 16 00-0058)</b>		
	Note: C x C		
23 23 16 00-0102	EA 1/4" ACR Wrought Copper 45 Degree Elbow.....	17.91	7.65
23 23 16 00-0103	EA 3/8" ACR Wrought Copper 45 Degree Elbow.....	16.26	7.65
23 23 16 00-0104	EA 1/2" ACR Wrought Copper 45 Degree Elbow.....	15.56	7.65
23 23 16 00-0105	EA 5/8" ACR Wrought Copper 45 Degree Elbow.....	14.02	8.22
23 23 16 00-0106	EA 3/4" ACR Wrought Copper 45 Degree Elbow.....	23.55	10.84
23 23 16 00-0107	EA 7/8" ACR Wrought Copper 45 Degree Elbow.....	19.58	11.13
23 23 16 00-0108	EA 1-1/8" ACR Wrought Copper 45 Degree Elbow.....	28.01	13.81
23 23 16 00-0109	EA 1-3/8" ACR Wrought Copper 45 Degree Elbow.....	38.15	18.90
23 23 16 00-0110	EA 1-5/8" ACR Wrought Copper 45 Degree Elbow.....	45.09	22.18
23 23 16 00-0111	EA 2-1/8" ACR Wrought Copper 45 Degree Elbow.....	60.01	26.90
23 23 16 00-0112	EA 2-5/8" ACR Wrought Copper 45 Degree Elbow.....	103.24	40.87
23 23 16 00-0113	EA 3-1/8" ACR Wrought Copper 45 Degree Elbow.....	139.18	53.73
23 23 16 00-0114	EA 4-1/8" ACR Wrought Copper 45 Degree Elbow.....	220.55	63.84
<b>23 23 16 00-0115</b>	<b>ACR Wrought Copper Tee (23 23 16 00-0058)</b>		
	Note: C x C x C		
23 23 16 00-0116	EA 1/4" ACR Wrought Copper Tee.....	24.28	12.75
23 23 16 00-0117	EA 3/8" ACR Wrought Copper Tee.....	24.57	12.75
23 23 16 00-0118	EA 1/2" ACR Wrought Copper Tee.....	23.49	12.75
23 23 16 00-0119	EA 5/8" ACR Wrought Copper Tee.....	26.24	16.50
23 23 16 00-0120	EA 3/4" ACR Wrought Copper Tee.....	34.66	16.50
23 23 16 00-0121	EA 7/8" ACR Wrought Copper Tee.....	28.81	16.72
23 23 16 00-0122	EA 1-1/8" ACR Wrought Copper Tee.....	44.83	22.18
23 23 16 00-0123	EA 1-3/8" ACR Wrought Copper Tee.....	55.91	26.90
23 23 16 00-0124	EA 1-5/8" ACR Wrought Copper Tee.....	71.92	31.91
23 23 16 00-0125	EA 2-1/8" ACR Wrought Copper Tee.....	101.34	42.54
23 23 16 00-0126	EA 2-5/8" ACR Wrought Copper Tee.....	214.95	92.85
23 23 16 00-0127	EA 3-1/8" ACR Wrought Copper Tee.....	261.80	102.09
23 23 16 00-0128	EA 4-1/8" ACR Wrought Copper Tee.....	433.24	113.43
<b>23 23 16 00-0129</b>	<b>ACR Wrought Copper Male Adapter (23 23 16 00-0058)</b>		
	Note: C x M		
23 23 16 00-0130	EA 1/4" ACR Wrought Copper Male Adapter.....	19.55	7.65
23 23 16 00-0131	EA 3/8" ACR Wrought Copper Male Adapter.....	22.18	7.65
23 23 16 00-0132	EA 1/2" ACR Wrought Copper Male Adapter.....	17.80	7.65
<b>23 23 16 00-0133</b>	<b>ACR Wrought Copper Female Adapter (23 23 16 00-0058)</b>		
	Note: C x F		
23 23 16 00-0134	EA 1/4" ACR Wrought Copper Female Adapter.....	18.51	7.65
23 23 16 00-0135	EA 3/8" ACR Wrought Copper Female Adapter.....	17.00	7.65
23 23 16 00-0136	EA 1/2" ACR Wrought Copper Female Adapter.....	17.57	7.65



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0137				<b>ACR Wrought Copper Cap</b> (23 23 16 00-0058) Note: C		
	23 23 16 00-0138	EA		1/4" ACR Wrought Copper Cap .....	8.88	5.10
	23 23 16 00-0139	EA		3/8" ACR Wrought Copper Cap .....	8.40	5.10
	23 23 16 00-0140	EA		1/2" ACR Wrought Copper Cap .....	8.87	5.10
23 23 16 00-0141				<b>ACR Wrought Copper P-Trap</b> (23 23 16 00-0058)		
	23 23 16 00-0142	EA		5/8" ACR Wrought Copper P-Trap.....	52.15	6.70
	23 23 16 00-0143	EA		3/4" ACR Wrought Copper P-Trap.....	69.88	7.36
	23 23 16 00-0144	EA		7/8" ACR Wrought Copper P-Trap.....	62.31	7.36
	23 23 16 00-0145	EA		1-1/8" ACR Wrought Copper P-Trap.....	83.44	8.03
	23 23 16 00-0146	EA		1-3/8" ACR Wrought Copper P-Trap.....	144.09	8.03
	23 23 16 00-0147	EA		1-5/8" ACR Wrought Copper P-Trap.....	200.76	8.71
	23 23 16 00-0148	EA		2-1/8" ACR Wrought Copper P-Trap.....	354.34	9.37
23 23 16 00-0149				<b>Sight Glass With Moisture And Liquid Indicator, Solder Connection</b> (23 23 16)		
	23 23 16 00-0150	EA		1/4" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	35.72	10.05
	23 23 16 00-0151	EA		3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	43.31	12.05
	23 23 16 00-0152	EA		1/2" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	52.26	14.73
	23 23 16 00-0153	EA		5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	57.55	16.74
	23 23 16 00-0154	EA		7/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	77.41	21.43
	23 23 16 00-0155	EA		1-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	89.74	26.11
	23 23 16 00-0156	EA		1-3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	137.27	30.80
	23 23 16 00-0157	EA		1-5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	169.85	42.18
	23 23 16 00-0158	EA		2-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection.....	208.64	52.22
23 23 16 00-0159				<b>Filter Driers, Solder Connections</b> (23 23 16)		
23 23 16 00-0160				<b>Replaceable Core Type Filter Driers, Solder Connections</b> (23 23 16 00-0159)		
	23 23 16 00-0161	EA		5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections.....	311.39	6.02
	23 23 16 00-0162	EA		7/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections.....	314.96	7.36
	23 23 16 00-0163	EA		1-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections.....	402.72	7.36
	23 23 16 00-0164	EA		1-3/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections.....	402.99	8.03
	23 23 16 00-0165	EA		1-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections.....	450.39	8.71
	23 23 16 00-0166	EA		2-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections.....	509.66	9.37
	23 23 16 00-0167	EA		2-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections.....	596.07	10.05
	23 23 16 00-0168	EA		3-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections.....	744.19	10.05
23 23 16 00-0169				<b>Sealed In-Line Filter Driers, Solder Connections</b> (23 23 16 00-0159)		
	23 23 16 00-0170	EA		1/4" Outside Diameter, 1/4 To 1 Ton, Sealed In-Line Filter Drier, Solder Connections.....	53.04	6.02
	23 23 16 00-0171	EA		3/8" Outside Diameter, 1/2 To 2 Ton, Sealed In-Line Filter Drier, Solder Connections.....	67.76	6.02
	23 23 16 00-0172	EA		1/2" Outside Diameter, 1 To 7 Ton, Sealed In-Line Filter Drier, Solder Connections.....	86.39	6.70
	23 23 16 00-0173	EA		1/2" Outside Diameter, 2 To 7-1/2 Ton, Sealed In-Line Filter Drier, Solder Connections.....	99.74	6.70
	23 23 16 00-0174	EA		5/8" Outside Diameter, 2 To 10 Ton, Sealed In-Line Filter Drier, Solder Connections.....	109.86	6.70
	23 23 16 00-0175	EA		5/8" Outside Diameter, 4 To 8 Ton, Sealed In-Line Filter Drier, Solder Connections.....	125.75	6.70
	23 23 16 00-0176	EA		7/8" Outside Diameter, 5 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections.....	141.65	7.36
	23 23 16 00-0177	EA		7/8" Outside Diameter, 7-1/2 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections.....	204.66	7.36
	23 23 16 00-0178	EA		1-1/8" Outside Diameter, 15 To 25 Ton, Sealed In-Line Filter Drier, Solder Connections.....	223.38	7.36
23 23 16 00-0179				<b>Bi-Flow Filter Driers, Solder Connections</b> (23 23 16 00-0159)		
	23 23 16 00-0180	EA		1/4" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections.....	72.76	6.02
	23 23 16 00-0181	EA		3/8" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections.....	81.81	6.02
	23 23 16 00-0182	EA		1/2" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections.....	97.87	6.70
	23 23 16 00-0183	EA		3/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	87.38	6.02
	23 23 16 00-0184	EA		1/2" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	109.36	6.70
	23 23 16 00-0185	EA		5/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	127.73	6.70
23 23 16 00-0186				<b>Refrigerant Compressor Discharge Mufflers</b> (23 23 16)		
	23 23 16 00-0187	EA		3/8" Outside Diameter, 2 Ton, Refrigerant Compressor Discharge Muffler.....	66.46	6.02
	23 23 16 00-0188	EA		1/2" Outside Diameter, 3 Ton, Refrigerant Compressor Discharge Muffler.....	73.41	6.02
	23 23 16 00-0189	EA		5/8" Outside Diameter, 5 Ton, Refrigerant Compressor Discharge Muffler.....	88.38	6.02
	23 23 16 00-0190	EA		7/8" Outside Diameter, 7-1/2 To 10 Ton, Refrigerant Compressor Discharge Muffler.....	118.66	7.36
	23 23 16 00-0191	EA		1-1/8" Outside Diameter, 10 To 15 Ton, Refrigerant Compressor Discharge Muffler.....	155.05	7.36
	23 23 16 00-0192	EA		1-3/8" Outside Diameter, 15 To 25 Ton, Refrigerant Compressor Discharge Muffler.....	184.33	8.03
	23 23 16 00-0193	EA		1-5/8" Outside Diameter, 25 To 50 Ton, Refrigerant Compressor Discharge Muffler.....	233.40	8.71
	23 23 16 00-0194	EA		2-1/8" Outside Diameter, 50 To 75 Ton, Refrigerant Compressor Discharge Muffler.....	422.48	9.37
	23 23 16 00-0195	EA		2-5/8" Outside Diameter, 75 To 100 Ton, Refrigerant Compressor Discharge Muffler.....	473.84	10.05
	23 23 16 00-0196	EA		3-1/8" Outside Diameter, 100 To 125 Ton, Refrigerant Compressor Discharge Muffler.....	586.72	10.05
23 23 16 00-0197				<b>Expansion Valves And Vibration Absorbers</b> (23 23 16)		

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 20 HVAC Piping And Pumps****23 23 Refrigerant Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 23 16 00-0198</b> <b>Thermostatic Expansion Valves</b> <small>(23 23 16 00-0197)</small>		
Note: Outside diameter pipe sizes. Sporlan TP-S.		
23 23 16 00-0199 EA 3/8" In x 5/8" Out, 1/2 To 3 Ton, Thermostatic Expansion Valve .....	138.78	6.02
23 23 16 00-0200 EA 1/2" In x 7/8" Out, 4 To 5 Ton, Thermostatic Expansion Valve .....	193.17	6.70
23 23 16 00-0201 EA 5/8" In x 7/8" Out, 6 To 8 Ton, Thermostatic Expansion Valve .....	326.20	6.70
23 23 16 00-0202 EA 7/8" In x 1-1/8" Out, 7 To 12 Ton, Thermostatic Expansion Valve .....	386.80	7.36
23 23 16 00-0203 EA 7/8" In x 1-3/8" Out, 15 To 20 Ton, Thermostatic Expansion Valve .....	420.28	7.36
<b>23 23 16 00-0204</b> <b>Electric Expansion Valves</b> <small>(23 23 16 00-0197)</small>		
Note: Sporlan SEI or SEH.		
23 23 16 00-0205 EA 1/2 To 11 Ton Electric Expansion Valve .....	474.94	8.37
Note: Sporlan SEI.		
23 23 16 00-0206 EA 25 Ton Electric Expansion Valve .....	553.70	8.71
Note: Sporlan SEI.		
23 23 16 00-0207 EA 50 Ton Electric Expansion Valve .....	632.92	9.04
Note: Sporlan SEI.		
23 23 16 00-0208 EA 100 Ton Electric Expansion Valve .....	736.72	9.04
Note: Sporlan SEH.		
23 23 16 00-0209 EA 175 Ton Electric Expansion Valve .....	831.79	9.37
Note: Sporlan SEH.		
<b>23 23 16 00-0210</b> <b>Braided Stainless Steel Over Copper Vibration Absorber</b> <small>(23 23 16 00-0197)</small>		
23 23 16 00-0211 EA 1/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	36.87	8.71
23 23 16 00-0212 EA 3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	37.46	10.05
23 23 16 00-0213 EA 1/2" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	48.44	12.72
23 23 16 00-0214 EA 5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	52.42	15.39
23 23 16 00-0215 EA 3/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	61.85	18.74
23 23 16 00-0216 EA 7/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	71.49	21.43
23 23 16 00-0217 EA 1-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	101.65	8.03
23 23 16 00-0218 EA 1-3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	142.33	8.71
23 23 16 00-0219 EA 1-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	177.39	8.71
23 23 16 00-0220 EA 2-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	241.21	9.37
23 23 16 00-0221 EA 2-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	408.85	10.05
23 23 16 00-0222 EA 3-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	535.16	10.05
<b>23 23 16 00-0223</b> <b>Accumulator, Refrigerant Suction Line</b> <small>(23 23 16)</small>		
23 23 16 00-0224 EA 3/4" Accumulator, Refrigeration Suction Line.....	118.02	30.46
23 23 16 00-0225 EA 7/8" Accumulator, Refrigeration Suction Line.....	160.03	41.84
23 23 16 00-0226 EA 1-1/8" Accumulator, Refrigeration Suction Line .....	191.49	55.76
23 23 16 00-0227 EA 1 3/8" Accumulator, Refrigeration Suction Line.....	268.52	66.95
23 23 16 00-0228 EA 1-5/8" Accumulator, Refrigeration Suction Line .....	369.15	83.69
23 23 16 00-0229 EA 2-1/8" Accumulator, Refrigeration Suction Line .....	559.65	111.60
<b>23 23 16 00-0230</b> <b>Special Chemicals/Component</b> <small>(23 23 16)</small>		
23 23 16 00-0231 GAL Special Chemical, Inhibited Propylene Glycol, 100%.....	23.30	
23 23 16 00-0232 GAL Removal And Storage For Reuse Of Inhibited Propylene Glycol.....	5.19	
23 23 16 00-0233 GAL Special Chemical, Inhibited Ethylene Glycol, 100%.....	15.89	
23 23 16 00-0234 EA Internal Coil/Refrigerant Piping Flush .....	200.28	
Note: Up to 10 ton AC system.		
<b>23 23 23</b> <b>Refrigerants</b> <small>(23 23)</small>		
<b>23 23 23 00-0001</b> <b>Refrigerant</b> <small>(23 23 23)</small>		
23 23 23 00-0002 LB Refrigerant R-113 .....	24.82	
23 23 23 00-0003 LB Refrigerant R-123 .....	18.21	
23 23 23 00-0004 LB Refrigerant R-134A .....	6.49	
23 23 23 00-0005 LB Refrigerant R-404A .....	11.61	
23 23 23 00-0006 LB Refrigerant R-407C .....	11.49	
23 23 23 00-0007 LB Refrigerant R-408A .....	26.19	
23 23 23 00-0008 LB Refrigerant R-410A .....	11.26	
23 23 23 00-0009 LB Refrigerant R-500 .....	22.25	
23 23 23 00-0010 LB Refrigerant R-507 .....	7.16	
<b>23 25 HVAC Water Treatment</b> <small>(23 20)</small>		
<b>23 25 13 Water Treatment For Closed-Loop Hydronic Systems</b> <small>(23 25)</small>		
<b>23 25 13 00-0001</b> <b>Polyethylene Chemical Storage Tanks</b> <small>(23 25 13)</small>		
23 25 13 00-0002 EA 15 Gallon Chemical Storage Tank, Polyethylene.....	191.06	55.92
<b>23 25 13 00-0003</b> <b>Gas Chlorinator</b> <small>(23 25 13)</small>		
23 25 13 00-0004 EA Gas Chlorinator, Wall Or Cylinder Mounted (10 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit .....	845.88	247.83
For Booster Pump, Add		296.83



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 25 13 00-0005 EA Gas Chlorinator, Wall Or Cylinder Mounted (25 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	966.11	283.23
<i>For Booster Pump, Add</i>	339.25	
23 25 13 00-0006 EA Gas Chlorinator, Wall Or Cylinder Mounted (50 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	1,416.84	214.55
<i>For Booster Pump, Add</i>	430.10	
<b>23 25 13 00-0007 Bypass Shot Feeders</b> <small>(23 25 13)</small> Note: Includes up to 4 ports (in, out, fill and drain). Excludes valves.		
<b>23 25 13 00-0008 In Line Mount, 125 PSIG</b> <small>(23 25 13 00-0007)</small>		
23 25 13 00-0009 EA 1.7 Gallon Bypass Shot Chemical Feeder In Line Mount, 125 PSIG .....	719.60	189.46
<b>23 25 13 00-0010 Floor Mount, 175 PSIG</b> <small>(23 25 13 00-0007)</small>		
23 25 13 00-0011 EA 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG.....	1,047.99	285.19
23 25 13 00-0012 EA 12 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG.....	1,378.77	377.59
<b>23 25 13 00-0013 Floor Mount, 150 LB ASME Code</b> <small>(23 25 13 00-0007)</small>		
23 25 13 00-0014 EA 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code .....	1,047.99	285.19
23 25 13 00-0015 EA 10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code .....	1,378.77	377.59
<b>23 25 13 00-0016 Floor Mount, 300 LB ASME Code</b> <small>(23 25 13 00-0007)</small>		
23 25 13 00-0017 EA 5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code .....	1,432.70	285.19
23 25 13 00-0018 EA 10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code .....	1,778.24	377.59

## 23 30 HVAC Air Distribution (23)

### 23 31 HVAC Ducts And Casings (23 30)

Note: Excludes angle iron, threaded rod, anchor bolts or other external supporting devices other than normal sheet metal straps. See CSI section 05 12 23 00-0439 for angle iron, 23 05 29 00-0001 for threaded rod.

#### 23 31 13 Metal Ducts (23 31)

##### 23 31 13 13 Rectangular Metal Ducts (23 31 13)

##### 23 31 13 13-0001 Steel Sheet Metal Duct (23 31 13 13)

Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer.

##### 23 31 13 13-0002 Galvanized Steel Sheet Metal Ductwork (23 31 13 13-0001)

Note: SMACNA weight for galvanized steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.906 LB/SF; 24 gauge - 1.156 LB/SF; 22 gauge - 1.406 LB/SF; 20 gauge - 1.656 LB/SF; 18 gauge - 2.156 LB/SF; 16 gauge - 2.656 LB/SF

23 31 13 13-0003 LB 2" WG And Less (Class C), Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork .....	6.86	1.72
<i>For Polyvinyl Chloride (PVC) Coated, Add</i>	0.31	
<i>For Up To 200, Add</i>	2.53	
<i>For &gt;200 To 500, Add</i>	1.63	
<i>For &gt;500 To 1,000, Add</i>	1.07	
<i>For &gt;1,000 To 2,000, Add</i>	0.60	
<i>For &gt;2,000 To 5,000, Add</i>	0.26	
<i>For Work In Restricted Working Space, Add</i>	1.59	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.32	
<i>For Elevated Installation &gt;15' To 20', Add</i>	0.63	
<i>For Elevated Installation &gt;20' To 25', Add</i>	0.79	
<i>For Elevated Installation &gt;25' To 30', Add</i>	1.11	
<i>For Elevated Installation &gt;30' To 35', Add</i>	1.27	
<i>For Elevated Installation &gt;35' To 40', Add</i>	1.59	
<i>For Elevated Installation &gt;40', Add</i>	1.75	
23 31 13 13-0004 LB 3" WG (Class B), Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork .....	7.66	1.72
<i>For Polyvinyl Chloride (PVC) Coated, Add</i>	0.31	
<i>For Up To 200, Add</i>	2.77	
<i>For &gt;200 To 500, Add</i>	1.77	
<i>For &gt;500 To 1,000, Add</i>	1.18	
<i>For &gt;1,000 To 2,000, Add</i>	0.66	
<i>For &gt;2,000 To 5,000, Add</i>	0.29	
<i>For Work In Restricted Working Space, Add</i>	1.83	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.37	
<i>For Elevated Installation &gt;15' To 20', Add</i>	0.73	
<i>For Elevated Installation &gt;20' To 25', Add</i>	0.91	
<i>For Elevated Installation &gt;25' To 30', Add</i>	1.28	
<i>For Elevated Installation &gt;30' To 35', Add</i>	1.46	
<i>For Elevated Installation &gt;35' To 40', Add</i>	1.83	
<i>For Elevated Installation &gt;40', Add</i>	2.01	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0005	LB		4" Or 6" WG (Class A), Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork.....	8.99	1.72
			<i>For Polyvinyl Chloride (PVC) Coated, Add</i>	0.31	
			<i>For Up To 200, Add</i>	3.17	
			<i>For &gt;200 To 500, Add</i>	2.01	
			<i>For &gt;500 To 1,000, Add</i>	1.37	
			<i>For &gt;1,000 To 2,000, Add</i>	0.77	
			<i>For &gt;2,000 To 5,000, Add</i>	0.34	
			<i>For Work In Restricted Working Space, Add</i>	2.23	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.45	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	0.89	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.11	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	1.56	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	1.78	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	2.23	
			<i>For Elevated Installation &gt;40', Add</i>	2.45	
23 31 13 13-0006			<b>Alloy 3003-H14, Aluminum Sheet Metal Ductwork</b> <small>(23 31 13 13-0001)</small>		
			Note: SMACNA weight for aluminum ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.224 LB/SF; 24 gauge - 0.282 LB/SF; 22 gauge - 0.352 LB/SF; 20 gauge - 0.451 LB/SF; 18 gauge - 0.563 LB/SF; 16 gauge - 0.718 LB/SF; 14 gauge - 0.901 LB/SF; 12 gauge - 0.141 LB/SF		
23 31 13 13-0007	LB		2" WG And Less (Class C), Alloy 3003-H14, Aluminum Sheet Metal Ductwork .....	13.25	1.72
			<i>For Work In Restricted Working Space, Add</i>	3.14	
			<i>For Up To 200, Add</i>	4.81	
			<i>For &gt;200 To 500, Add</i>	3.08	
			<i>For &gt;500 To 1,000, Add</i>	2.05	
			<i>For &gt;1,000 To 2,000, Add</i>	1.14	
			<i>For &gt;2,000 To 5,000, Add</i>	0.50	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.63	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.26	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.57	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.20	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.51	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	3.14	
			<i>For Elevated Installation &gt;40', Add</i>	3.46	
23 31 13 13-0008	LB		3" WG (Class B), Alloy 3003-H14, Aluminum Sheet Metal Ductwork .....	14.81	1.72
			<i>For Work In Restricted Working Space, Add</i>	3.61	
			<i>For Up To 200, Add</i>	5.28	
			<i>For &gt;200 To 500, Add</i>	3.36	
			<i>For &gt;500 To 1,000, Add</i>	2.27	
			<i>For &gt;1,000 To 2,000, Add</i>	1.27	
			<i>For &gt;2,000 To 5,000, Add</i>	0.56	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.44	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.80	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.53	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.89	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	3.61	
			<i>For Elevated Installation &gt;40', Add</i>	3.97	
23 31 13 13-0009	LB		4" Or 6" WG (Class A), Alloy 3003-H14, Aluminum Sheet Metal Ductwork .....	17.43	1.72
			<i>For Work In Restricted Working Space, Add</i>	4.40	
			<i>For Up To 200, Add</i>	6.06	
			<i>For &gt;200 To 500, Add</i>	3.83	
			<i>For &gt;500 To 1,000, Add</i>	2.63	
			<i>For &gt;1,000 To 2,000, Add</i>	1.48	
			<i>For &gt;2,000 To 5,000, Add</i>	0.67	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.88	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.76	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.20	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.08	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.52	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.40	
			<i>For Elevated Installation &gt;40', Add</i>	4.83	
23 31 13 13-0010			<b>Type 304, Stainless Steel Sheet Metal Ductwork</b> <small>(23 31 13 13-0001)</small>		
			Note: SMACNA weight for stainless steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.748 LB/SF; 24 gauge - 0.987 LB/SF; 22 gauge - 1.231 LB/SF; 20 gauge - 1.491 LB/SF; 18 gauge - 2.016 LB/SF; 16 gauge - 2.499 LB/SF; 14 gauge - 3.154 LB/SF; 12 gauge - 4.427 LB/SF		
23 31 13 13-0011	LB		2" WG And Less (Class C), Type 304, Stainless Steel Sheet Metal Ductwork .....	9.94	2.29
			<i>For Work In Restricted Working Space, Add</i>	1.93	
			<i>For Welded Seams, Add</i>	3.39	
			<i>For Up To 200, Add</i>	4.04	
			<i>For &gt;200 To 500, Add</i>	2.67	
			<i>For &gt;500 To 1,000, Add</i>	1.64	
			<i>For &gt;1,000 To 2,000, Add</i>	0.90	
			<i>For &gt;2,000 To 5,000, Add</i>	0.36	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.39	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	0.77	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	0.96	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	1.35	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	1.54	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	1.93	
			<i>For Elevated Installation &gt;40', Add</i>	2.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0012 LB 3" WG (Class B), Type 304, Stainless Steel Sheet Metal Ductwork .....	11.27	2.29
<i>For Work In Restricted Working Space, Add</i>	2.33	
<i>For Welded Seams, Add</i>	4.06	
<i>For Up To 200, Add</i>	4.43	
<i>For &gt;200 To 500, Add</i>	2.91	
<i>For &gt;500 To 1,000, Add</i>	1.82	
<i>For &gt;1,000 To 2,000, Add</i>	1.01	
<i>For &gt;2,000 To 5,000, Add</i>	0.42	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.47	
<i>For Elevated Installation &gt;15' To 20', Add</i>	0.93	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.16	
<i>For Elevated Installation &gt;25' To 30', Add</i>	1.63	
<i>For Elevated Installation &gt;30' To 35', Add</i>	1.86	
<i>For Elevated Installation &gt;35' To 40', Add</i>	2.33	
<i>For Elevated Installation &gt;40', Add</i>	2.56	
23 31 13 13-0013 LB 4" Or 6" WG (Class A), Type 304, Stainless Steel Sheet Metal Ductwork .....	12.51	2.29
<i>For Work In Restricted Working Space, Add</i>	2.70	
<i>For Welded Seams, Add</i>	4.68	
<i>For Up To 200, Add</i>	4.81	
<i>For &gt;200 To 500, Add</i>	3.13	
<i>For &gt;500 To 1,000, Add</i>	2.00	
<i>For &gt;1,000 To 2,000, Add</i>	1.11	
<i>For &gt;2,000 To 5,000, Add</i>	0.47	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.54	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.08	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.35	
<i>For Elevated Installation &gt;25' To 30', Add</i>	1.89	
<i>For Elevated Installation &gt;30' To 35', Add</i>	2.16	
<i>For Elevated Installation &gt;35' To 40', Add</i>	2.70	
<i>For Elevated Installation &gt;40', Add</i>	2.97	
<b>23 31 13 13-0014 Rework Sheet Metal Ductwork</b> <small>(23 31 13 13)</small>		
Note: Includes removal of existing ductwork and reinstallation of ductwork. Excludes new ductwork.		
23 31 13 13-0015 LF Up To 1 SF Cross Section, Rework Existing Ductwork .....	17.20	
23 31 13 13-0016 LF >1 To 2 SF Cross Section, Rework Existing Ductwork .....	33.53	
23 31 13 13-0017 LF >2 To 4 SF Cross Section, Rework Existing Ductwork .....	44.30	
23 31 13 13-0018 LF >4 To 6 SF Cross Section, Rework Existing Ductwork .....	55.47	
23 31 13 13-0019 LF >6 To 8 SF Cross Section, Rework Existing Ductwork .....	77.37	
23 31 13 13-0020 LF >8 To 10 SF Cross Section, Rework Existing Ductwork .....	90.26	
23 31 13 13-0021 LF >10 To 12 SF Cross Section, Rework Existing Ductwork .....	103.17	
23 31 13 13-0022 LF >12 To 14 SF Cross Section, Rework Existing Ductwork .....	116.06	
<b>23 31 13 16 Round And Flat-Oval Spiral Ducts</b> <small>(23 31 13)</small>		
<b>23 31 13 16-0001 Low Pressure Round And Flat-Oval Duct</b> <small>(23 31 13 16)</small>		
Note: 7" diameter round = 4" x 11.85" flat oval. 8" diameter round = 4" x 15" flat oval. 10" diameter round = 4" x 25.99" or 6" x 15.42" or 8" x 11.14" flat oval. 12" diameter round = 6" x 23.28" or 8" x 15.85" flat oval. 14" diameter round = 6" x 32.70" or 8" x 22.14" or 10" x 17.85 or 12" x 15.14" flat oval. 16" diameter round = 6" x 43.70" or 8" x 29.99" or 10" x 24.14" or 12" x 19.85" or 14" x 17.14" flat oval. 18" diameter round = 6" x 59.41" or 8" x 39.42" or 10" x 30.42" or 12" x 24.57" or 14" x 21.85" or 16" x 19.14" flat oval. 20" diameter round = 8" x 51.98" or 10" x 38.27" or 12" x 30.85" or 14" x 26.57" or 16" x 23.85" or 18" x 21.14" flat oval. Includes sealing the joints by tape, mastic, or spray on sealer.		
<b>23 31 13 16-0002 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Ducts</b> <small>(23 31 13 16-0001)</small>		
Note: Includes straps and supports.		
23 31 13 16-0003 LF 4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct .....	3.91	1.54
<i>For 3" WG (Class B), Add</i>	0.47	
<i>For 4" Or 6" WG (Class A), Add</i>	1.26	
<i>For 28 Gauge, Deduct</i>	-0.10	
<i>For 24 Gauge, Add</i>	0.10	
<i>For 22 Gauge, Add</i>	0.21	
<i>For 20 Gauge, Add</i>	0.31	
<i>For 18 Gauge, Add</i>	0.41	
<i>For 16 Gauge, Add</i>	0.51	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	0.56	
<i>For Work In Restricted Working Space, Add</i>	0.95	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.32	
<i>For Elevated Installation &gt;15' To 20', Add</i>	0.63	
<i>For Elevated Installation &gt;20' To 25', Add</i>	0.79	
<i>For Elevated Installation &gt;25' To 30', Add</i>	1.11	
<i>For Elevated Installation &gt;30' To 35', Add</i>	1.26	
<i>For Elevated Installation &gt;35' To 40', Add</i>	1.58	
<i>For Elevated Installation &gt;40', Add</i>	1.74	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts And Casings**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0004	LF		5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	4.46	1.75
			For 3" WG (Class B), Add	0.53	
			For 4" Or 6" WG (Class A), Add	1.40	
			For 28 Gauge, Deduct	-0.13	
			For 24 Gauge, Add	0.13	
			For 22 Gauge, Add	0.26	
			For 20 Gauge, Add	0.40	
			For 18 Gauge, Add	0.53	
			For 16 Gauge, Add	0.65	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	0.71	
			For Work In Restricted Working Space, Add	1.05	
			For Elevated Installation >10' To 15', Add	0.35	
			For Elevated Installation >15' To 20', Add	0.70	
			For Elevated Installation >20' To 25', Add	0.88	
			For Elevated Installation >25' To 30', Add	1.23	
			For Elevated Installation >30' To 35', Add	1.40	
			For Elevated Installation >35' To 40', Add	1.75	
			For Elevated Installation >40', Add	1.93	
23 31 13 16-0005	LF		6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	5.03	2.10
			For 3" WG (Class B), Add	0.59	
			For 4" Or 6" WG (Class A), Add	1.58	
			For 28 Gauge, Deduct	-0.15	
			For 24 Gauge, Add	0.15	
			For 22 Gauge, Add	0.30	
			For 20 Gauge, Add	0.45	
			For 18 Gauge, Add	0.60	
			For 16 Gauge, Add	0.74	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	0.81	
			For Work In Restricted Working Space, Add	1.18	
			For Elevated Installation >10' To 15', Add	0.39	
			For Elevated Installation >15' To 20', Add	0.79	
			For Elevated Installation >20' To 25', Add	0.99	
			For Elevated Installation >25' To 30', Add	1.38	
			For Elevated Installation >30' To 35', Add	1.58	
			For Elevated Installation >35' To 40', Add	1.97	
			For Elevated Installation >40', Add	2.17	
23 31 13 16-0006	LF		7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	5.80	2.45
			For 3" WG (Class B), Add	0.68	
			For 4" Or 6" WG (Class A), Add	1.80	
			For 28 Gauge, Deduct	-0.18	
			For 24 Gauge, Add	0.18	
			For 22 Gauge, Add	0.36	
			For 20 Gauge, Add	0.53	
			For 18 Gauge, Add	0.71	
			For 16 Gauge, Add	0.87	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	0.95	
			For Work In Restricted Working Space, Add	1.35	
			For Elevated Installation >10' To 15', Add	0.45	
			For Elevated Installation >15' To 20', Add	0.90	
			For Elevated Installation >20' To 25', Add	1.13	
			For Elevated Installation >25' To 30', Add	1.58	
			For Elevated Installation >30' To 35', Add	1.80	
			For Elevated Installation >35' To 40', Add	2.26	
			For Elevated Installation >40', Add	2.48	
23 31 13 16-0007	LF		8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	6.69	2.80
			For 3" WG (Class B), Add	0.79	
			For 4" Or 6" WG (Class A), Add	2.10	
			For 28 Gauge, Deduct	-0.20	
			For 24 Gauge, Add	0.20	
			For 22 Gauge, Add	0.40	
			For 20 Gauge, Add	0.60	
			For 18 Gauge, Add	0.79	
			For 16 Gauge, Add	0.97	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.07	
			For Work In Restricted Working Space, Add	1.58	
			For Elevated Installation >10' To 15', Add	0.53	
			For Elevated Installation >15' To 20', Add	1.05	
			For Elevated Installation >20' To 25', Add	1.31	
			For Elevated Installation >25' To 30', Add	1.84	
			For Elevated Installation >30' To 35', Add	2.10	
			For Elevated Installation >35' To 40', Add	2.63	
			For Elevated Installation >40', Add	2.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0008 LF 10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct .....	8.07	3.50
For 3" WG (Class B), Add	0.95	
For 4" Or 6" WG (Class A), Add	2.52	
For 28 Gauge, Deduct	-0.25	
For 24 Gauge, Add	0.24	
For 22 Gauge, Add	0.49	
For 20 Gauge, Add	0.73	
For 18 Gauge, Add	0.97	
For 16 Gauge, Add	1.19	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.31	
For Work In Restricted Working Space, Add	1.89	
For Elevated Installation >10' To 15', Add	0.63	
For Elevated Installation >15' To 20', Add	1.26	
For Elevated Installation >20' To 25', Add	1.58	
For Elevated Installation >25' To 30', Add	2.21	
For Elevated Installation >30' To 35', Add	2.52	
For Elevated Installation >35' To 40', Add	3.15	
For Elevated Installation >40', Add	3.47	
23 31 13 16-0009 LF 12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct .....	10.05	4.69
For 3" WG (Class B), Add	1.18	
For 4" Or 6" WG (Class A), Add	3.15	
For 28 Gauge, Deduct	-0.30	
For 24 Gauge, Add	0.30	
For 22 Gauge, Add	0.60	
For 20 Gauge, Add	0.90	
For 18 Gauge, Add	1.20	
For 16 Gauge, Add	1.47	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.61	
For Work In Restricted Working Space, Add	2.36	
For Elevated Installation >10' To 15', Add	0.79	
For Elevated Installation >15' To 20', Add	1.57	
For Elevated Installation >20' To 25', Add	1.97	
For Elevated Installation >25' To 30', Add	2.75	
For Elevated Installation >30' To 35', Add	3.15	
For Elevated Installation >35' To 40', Add	3.94	
For Elevated Installation >40', Add	4.33	
23 31 13 16-0010 LF 14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct .....	12.38	7.01
For 3" WG (Class B), Add	1.48	
For 4" Or 6" WG (Class A), Add	3.94	
For 28 Gauge, Deduct	-0.35	
For 24 Gauge, Add	0.35	
For 22 Gauge, Add	0.70	
For 20 Gauge, Add	1.05	
For 18 Gauge, Add	1.39	
For 16 Gauge, Add	1.71	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.87	
For Work In Restricted Working Space, Add	2.96	
For Elevated Installation >10' To 15', Add	0.99	
For Elevated Installation >15' To 20', Add	1.97	
For Elevated Installation >20' To 25', Add	2.46	
For Elevated Installation >25' To 30', Add	3.45	
For Elevated Installation >30' To 35', Add	3.94	
For Elevated Installation >35' To 40', Add	4.93	
For Elevated Installation >40', Add	5.42	
23 31 13 16-0011 LF 16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct .....	16.88	9.39
For 3" WG (Class B), Add	1.97	
For 4" Or 6" WG (Class A), Add	5.25	
For 28 Gauge, Deduct	-0.52	
For 24 Gauge, Add	0.52	
For 22 Gauge, Add	1.03	
For 20 Gauge, Add	1.55	
For 18 Gauge, Add	2.06	
For 16 Gauge, Add	2.53	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.78	
For Work In Restricted Working Space, Add	3.94	
For Elevated Installation >10' To 15', Add	1.31	
For Elevated Installation >15' To 20', Add	2.63	
For Elevated Installation >20' To 25', Add	3.28	
For Elevated Installation >25' To 30', Add	4.60	
For Elevated Installation >30' To 35', Add	5.25	
For Elevated Installation >35' To 40', Add	6.57	
For Elevated Installation >40', Add	7.22	



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0012	LF		18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	19.93	11.27
			For 3" WG (Class B), Add	2.36	
			For 4" Or 6" WG (Class A), Add	6.30	
			For 28 Gauge, Deduct	-0.58	
			For 24 Gauge, Add	0.58	
			For 22 Gauge, Add	1.15	
			For 20 Gauge, Add	1.73	
			For 18 Gauge, Add	2.29	
			For 16 Gauge, Add	2.81	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.09	
			For Work In Restricted Working Space, Add	4.73	
			For Elevated Installation >10' To 15', Add	1.58	
			For Elevated Installation >15' To 20', Add	3.15	
			For Elevated Installation >20' To 25', Add	3.94	
			For Elevated Installation >25' To 30', Add	5.52	
			For Elevated Installation >30' To 35', Add	6.30	
			For Elevated Installation >35' To 40', Add	7.88	
			For Elevated Installation >40', Add	8.67	
23 31 13 16-0013	LF		20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Duct.....	22.86	13.03
			For 3" WG (Class B), Add	2.73	
			For 4" Or 6" WG (Class A), Add	7.28	
			For 28 Gauge, Deduct	-0.64	
			For 24 Gauge, Add	0.64	
			For 22 Gauge, Add	1.28	
			For 20 Gauge, Add	1.93	
			For 18 Gauge, Add	2.56	
			For 16 Gauge, Add	3.14	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.44	
			For Work In Restricted Working Space, Add	5.46	
			For Elevated Installation >10' To 15', Add	1.82	
			For Elevated Installation >15' To 20', Add	3.64	
			For Elevated Installation >20' To 25', Add	4.55	
			For Elevated Installation >25' To 30', Add	6.37	
			For Elevated Installation >30' To 35', Add	7.28	
			For Elevated Installation >35' To 40', Add	9.11	
			For Elevated Installation >40', Add	10.02	
23 31 13 16-0014			<b>2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbows</b> <small>(23 31 13 16-0001)</small>		
			Note: Up to 90 degree.		
23 31 13 16-0015	EA		4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	22.22	9.35
			For 3" WG (Class B), Add	2.80	
			For 4" Or 6" WG (Class A), Add	7.48	
			For 28 Gauge, Deduct	-0.49	
			For 24 Gauge, Add	0.49	
			For 22 Gauge, Add	0.97	
			For 20 Gauge, Add	1.46	
			For 18 Gauge, Add	1.94	
			For 16 Gauge, Add	2.38	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.61	
			For Work In Restricted Working Space, Add	5.61	
			For Elevated Installation >10' To 15', Add	1.87	
			For Elevated Installation >15' To 20', Add	3.74	
			For Elevated Installation >20' To 25', Add	4.67	
			For Elevated Installation >25' To 30', Add	6.54	
			For Elevated Installation >30' To 35', Add	7.48	
			For Elevated Installation >35' To 40', Add	9.35	
			For Elevated Installation >40', Add	10.28	
23 31 13 16-0016	EA		5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	25.42	10.79
			For 3" WG (Class B), Add	3.24	
			For 4" Or 6" WG (Class A), Add	8.63	
			For 28 Gauge, Deduct	-0.53	
			For 24 Gauge, Add	0.53	
			For 22 Gauge, Add	1.06	
			For 20 Gauge, Add	1.59	
			For 18 Gauge, Add	2.12	
			For 16 Gauge, Add	2.60	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.85	
			For Work In Restricted Working Space, Add	6.47	
			For Elevated Installation >10' To 15', Add	2.16	
			For Elevated Installation >15' To 20', Add	4.31	
			For Elevated Installation >20' To 25', Add	5.39	
			For Elevated Installation >25' To 30', Add	7.55	
			For Elevated Installation >30' To 35', Add	8.63	
			For Elevated Installation >35' To 40', Add	10.79	
			For Elevated Installation >40', Add	11.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0017 EA 6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	29.82	12.74
For 3" WG (Class B), Add	3.82	
For 4" Or 6" WG (Class A), Add	10.20	
For 28 Gauge, Deduct	-0.60	
For 24 Gauge, Add	0.60	
For 22 Gauge, Add	1.19	
For 20 Gauge, Add	1.79	
For 18 Gauge, Add	2.38	
For 16 Gauge, Add	2.92	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.20	
For Work In Restricted Working Space, Add	7.65	
For Elevated Installation >10' To 15', Add	2.55	
For Elevated Installation >15' To 20', Add	5.10	
For Elevated Installation >20' To 25', Add	6.37	
For Elevated Installation >25' To 30', Add	8.92	
For Elevated Installation >30' To 35', Add	10.20	
For Elevated Installation >35' To 40', Add	12.75	
For Elevated Installation >40', Add	14.02	
23 31 13 16-0018 EA 7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	38.10	16.38
For 3" WG (Class B), Add	4.92	
For 4" Or 6" WG (Class A), Add	13.11	
For 28 Gauge, Deduct	-0.74	
For 24 Gauge, Add	0.73	
For 22 Gauge, Add	1.47	
For 20 Gauge, Add	2.20	
For 18 Gauge, Add	2.93	
For 16 Gauge, Add	3.59	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.94	
For Work In Restricted Working Space, Add	9.83	
For Elevated Installation >10' To 15', Add	3.28	
For Elevated Installation >15' To 20', Add	6.56	
For Elevated Installation >20' To 25', Add	8.20	
For Elevated Installation >25' To 30', Add	11.47	
For Elevated Installation >30' To 35', Add	13.11	
For Elevated Installation >35' To 40', Add	16.39	
For Elevated Installation >40', Add	18.03	
23 31 13 16-0019 EA 8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	45.66	19.96
For 3" WG (Class B), Add	5.99	
For 4" Or 6" WG (Class A), Add	15.97	
For 28 Gauge, Deduct	-0.79	
For 24 Gauge, Add	0.79	
For 22 Gauge, Add	1.58	
For 20 Gauge, Add	2.38	
For 18 Gauge, Add	3.16	
For 16 Gauge, Add	3.87	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.25	
For Work In Restricted Working Space, Add	11.98	
For Elevated Installation >10' To 15', Add	3.99	
For Elevated Installation >15' To 20', Add	7.98	
For Elevated Installation >20' To 25', Add	9.98	
For Elevated Installation >25' To 30', Add	13.97	
For Elevated Installation >30' To 35', Add	15.97	
For Elevated Installation >35' To 40', Add	19.96	
For Elevated Installation >40', Add	21.96	
23 31 13 16-0020 EA 10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	69.91	31.17
For 3" WG (Class B), Add	9.35	
For 4" Or 6" WG (Class A), Add	24.93	
For 28 Gauge, Deduct	-1.05	
For 24 Gauge, Add	1.05	
For 22 Gauge, Add	2.09	
For 20 Gauge, Add	3.14	
For 18 Gauge, Add	4.17	
For 16 Gauge, Add	5.12	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.61	
For Work In Restricted Working Space, Add	18.70	
For Elevated Installation >10' To 15', Add	6.23	
For Elevated Installation >15' To 20', Add	12.47	
For Elevated Installation >20' To 25', Add	15.58	
For Elevated Installation >25' To 30', Add	21.82	
For Elevated Installation >30' To 35', Add	24.93	
For Elevated Installation >35' To 40', Add	31.17	
For Elevated Installation >40', Add	34.28	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0021	EA		12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	96.41	43.07
			For 3" WG (Class B), Add	12.92	
			For 4" Or 6" WG (Class A), Add	34.46	
			For 28 Gauge, Deduct	-1.42	
			For 24 Gauge, Add	1.42	
			For 22 Gauge, Add	2.83	
			For 20 Gauge, Add	4.25	
			For 18 Gauge, Add	5.65	
			For 16 Gauge, Add	6.93	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.60	
			For Work In Restricted Working Space, Add	25.84	
			For Elevated Installation >10' To 15', Add	8.61	
			For Elevated Installation >15' To 20', Add	17.23	
			For Elevated Installation >20' To 25', Add	21.54	
			For Elevated Installation >25' To 30', Add	30.15	
			For Elevated Installation >30' To 35', Add	34.46	
			For Elevated Installation >35' To 40', Add	43.07	
			For Elevated Installation >40', Add	47.38	
23 31 13 16-0022	EA		14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	117.63	50.95
			For 3" WG (Class B), Add	15.28	
			For 4" Or 6" WG (Class A), Add	40.76	
			For 28 Gauge, Deduct	-2.18	
			For 24 Gauge, Add	2.17	
			For 22 Gauge, Add	4.34	
			For 20 Gauge, Add	6.52	
			For 18 Gauge, Add	8.66	
			For 16 Gauge, Add	10.62	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	11.65	
			For Work In Restricted Working Space, Add	30.57	
			For Elevated Installation >10' To 15', Add	10.19	
			For Elevated Installation >15' To 20', Add	20.38	
			For Elevated Installation >20' To 25', Add	25.47	
			For Elevated Installation >25' To 30', Add	35.66	
			For Elevated Installation >30' To 35', Add	40.76	
			For Elevated Installation >35' To 40', Add	50.95	
			For Elevated Installation >40', Add	56.04	
23 31 13 16-0023	EA		16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	134.60	56.03
			For 3" WG (Class B), Add	16.81	
			For 4" Or 6" WG (Class A), Add	44.82	
			For 28 Gauge, Deduct	-3.12	
			For 24 Gauge, Add	3.11	
			For 22 Gauge, Add	6.21	
			For 20 Gauge, Add	9.34	
			For 18 Gauge, Add	12.40	
			For 16 Gauge, Add	15.22	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.69	
			For Work In Restricted Working Space, Add	33.62	
			For Elevated Installation >10' To 15', Add	11.21	
			For Elevated Installation >15' To 20', Add	22.41	
			For Elevated Installation >20' To 25', Add	28.01	
			For Elevated Installation >25' To 30', Add	39.22	
			For Elevated Installation >30' To 35', Add	44.82	
			For Elevated Installation >35' To 40', Add	56.03	
			For Elevated Installation >40', Add	61.63	
23 31 13 16-0024	EA		18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	150.36	58.30
			For 3" WG (Class B), Add	17.49	
			For 4" Or 6" WG (Class A), Add	46.64	
			For 28 Gauge, Deduct	-4.68	
			For 24 Gauge, Add	4.66	
			For 22 Gauge, Add	9.30	
			For 20 Gauge, Add	13.98	
			For 18 Gauge, Add	18.57	
			For 16 Gauge, Add	22.79	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	24.99	
			For Work In Restricted Working Space, Add	34.98	
			For Elevated Installation >10' To 15', Add	11.66	
			For Elevated Installation >15' To 20', Add	23.32	
			For Elevated Installation >20' To 25', Add	29.15	
			For Elevated Installation >25' To 30', Add	40.81	
			For Elevated Installation >30' To 35', Add	46.64	
			For Elevated Installation >35' To 40', Add	58.30	
			For Elevated Installation >40', Add	64.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0025 EA 20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	165.47	60.22
For 3" WG (Class B), Add	18.07	
For 4" Or 6" WG (Class A), Add	48.18	
For 28 Gauge, Deduct	-6.24	
For 24 Gauge, Add	6.21	
For 22 Gauge, Add	12.40	
For 20 Gauge, Add	18.64	
For 18 Gauge, Add	24.76	
For 16 Gauge, Add	30.39	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	33.31	
For Work In Restricted Working Space, Add	36.14	
For Elevated Installation >10' To 15', Add	12.05	
For Elevated Installation >15' To 20', Add	24.09	
For Elevated Installation >20' To 25', Add	30.11	
For Elevated Installation >25' To 30', Add	42.16	
For Elevated Installation >30' To 35', Add	48.18	
For Elevated Installation >35' To 40', Add	60.23	
For Elevated Installation >40', Add	66.25	
<b>23 31 13 16-0026 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbows (23 31 13 16-0001)</b>		
23 31 13 16-0027 EA 4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	18.73	6.30
For 3" WG (Class B), Add	2.36	
For 4" Or 6" WG (Class A), Add	6.30	
For 28 Gauge, Deduct	-0.41	
For 24 Gauge, Add	0.41	
For 22 Gauge, Add	0.82	
For 20 Gauge, Add	1.23	
For 18 Gauge, Add	1.63	
For 16 Gauge, Add	2.00	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.20	
For Work In Restricted Working Space, Add	4.73	
For Elevated Installation >10' To 15', Add	1.58	
For Elevated Installation >15' To 20', Add	3.15	
For Elevated Installation >20' To 25', Add	3.94	
For Elevated Installation >25' To 30', Add	5.52	
For Elevated Installation >30' To 35', Add	6.30	
For Elevated Installation >35' To 40', Add	7.88	
For Elevated Installation >40', Add	8.67	
23 31 13 16-0028 EA 5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	21.40	7.21
For 3" WG (Class B), Add	2.70	
For 4" Or 6" WG (Class A), Add	7.20	
For 28 Gauge, Deduct	-0.47	
For 24 Gauge, Add	0.47	
For 22 Gauge, Add	0.93	
For 20 Gauge, Add	1.40	
For 18 Gauge, Add	1.86	
For 16 Gauge, Add	2.29	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.51	
For Work In Restricted Working Space, Add	5.40	
For Elevated Installation >10' To 15', Add	1.80	
For Elevated Installation >15' To 20', Add	3.60	
For Elevated Installation >20' To 25', Add	4.50	
For Elevated Installation >25' To 30', Add	6.30	
For Elevated Installation >30' To 35', Add	7.20	
For Elevated Installation >35' To 40', Add	9.01	
For Elevated Installation >40', Add	9.91	
23 31 13 16-0029 EA 6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	24.87	8.40
For 3" WG (Class B), Add	3.15	
For 4" Or 6" WG (Class A), Add	8.40	
For 28 Gauge, Deduct	-0.53	
For 24 Gauge, Add	0.53	
For 22 Gauge, Add	1.06	
For 20 Gauge, Add	1.60	
For 18 Gauge, Add	2.12	
For 16 Gauge, Add	2.61	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.86	
For Work In Restricted Working Space, Add	6.30	
For Elevated Installation >10' To 15', Add	2.10	
For Elevated Installation >15' To 20', Add	4.20	
For Elevated Installation >20' To 25', Add	5.25	
For Elevated Installation >25' To 30', Add	7.35	
For Elevated Installation >30' To 35', Add	8.40	
For Elevated Installation >35' To 40', Add	10.51	
For Elevated Installation >40', Add	11.56	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0030	EA		7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	29.30	10.08
			For 3" WG (Class B), Add	3.78	
			For 4" Or 6" WG (Class A), Add	10.08	
			For 28 Gauge, Deduct	-0.57	
			For 24 Gauge, Add	0.56	
			For 22 Gauge, Add	1.13	
			For 20 Gauge, Add	1.69	
			For 18 Gauge, Add	2.25	
			For 16 Gauge, Add	2.76	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.03	
			For Work In Restricted Working Space, Add	7.56	
			For Elevated Installation >10' To 15', Add	2.52	
			For Elevated Installation >15' To 20', Add	5.04	
			For Elevated Installation >20' To 25', Add	6.30	
			For Elevated Installation >25' To 30', Add	8.82	
			For Elevated Installation >30' To 35', Add	10.08	
			For Elevated Installation >35' To 40', Add	12.61	
			For Elevated Installation >40', Add	13.87	
23 31 13 16-0031	EA		8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	36.26	12.60
			For 3" WG (Class B), Add	4.73	
			For 4" Or 6" WG (Class A), Add	12.61	
			For 28 Gauge, Deduct	-0.66	
			For 24 Gauge, Add	0.65	
			For 22 Gauge, Add	1.31	
			For 20 Gauge, Add	1.96	
			For 18 Gauge, Add	2.61	
			For 16 Gauge, Add	3.20	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.51	
			For Work In Restricted Working Space, Add	9.46	
			For Elevated Installation >10' To 15', Add	3.15	
			For Elevated Installation >15' To 20', Add	6.30	
			For Elevated Installation >20' To 25', Add	7.88	
			For Elevated Installation >25' To 30', Add	11.03	
			For Elevated Installation >30' To 35', Add	12.61	
			For Elevated Installation >35' To 40', Add	15.76	
			For Elevated Installation >40', Add	17.34	
23 31 13 16-0032	EA		10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	48.78	16.81
			For 3" WG (Class B), Add	6.30	
			For 4" Or 6" WG (Class A), Add	16.80	
			For 28 Gauge, Deduct	-0.94	
			For 24 Gauge, Add	0.93	
			For 22 Gauge, Add	1.87	
			For 20 Gauge, Add	2.80	
			For 18 Gauge, Add	3.72	
			For 16 Gauge, Add	4.57	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.01	
			For Work In Restricted Working Space, Add	12.60	
			For Elevated Installation >10' To 15', Add	4.20	
			For Elevated Installation >15' To 20', Add	8.40	
			For Elevated Installation >20' To 25', Add	10.50	
			For Elevated Installation >25' To 30', Add	14.70	
			For Elevated Installation >30' To 35', Add	16.80	
			For Elevated Installation >35' To 40', Add	21.01	
			For Elevated Installation >40', Add	23.11	
23 31 13 16-0033	EA		12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	71.99	25.21
			For 3" WG (Class B), Add	9.45	
			For 4" Or 6" WG (Class A), Add	25.21	
			For 28 Gauge, Deduct	-1.24	
			For 24 Gauge, Add	1.24	
			For 22 Gauge, Add	2.47	
			For 20 Gauge, Add	3.71	
			For 18 Gauge, Add	4.93	
			For 16 Gauge, Add	6.05	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.63	
			For Work In Restricted Working Space, Add	18.91	
			For Elevated Installation >10' To 15', Add	6.30	
			For Elevated Installation >15' To 20', Add	12.61	
			For Elevated Installation >20' To 25', Add	15.76	
			For Elevated Installation >25' To 30', Add	22.06	
			For Elevated Installation >30' To 35', Add	25.21	
			For Elevated Installation >35' To 40', Add	31.52	
			For Elevated Installation >40', Add	34.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0034 EA 14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	97.32	32.21
<i>For 3" WG (Class B), Add</i>	12.08	
<i>For 4" Or 6" WG (Class A), Add</i>	32.22	
<i>For 28 Gauge, Deduct</i>	-2.32	
<i>For 24 Gauge, Add</i>	2.32	
<i>For 22 Gauge, Add</i>	4.62	
<i>For 20 Gauge, Add</i>	6.95	
<i>For 18 Gauge, Add</i>	9.23	
<i>For 16 Gauge, Add</i>	11.33	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	12.42	
<i>For Work In Restricted Working Space, Add</i>	24.16	
<i>For Elevated Installation &gt;10' To 15', Add</i>	8.05	
<i>For Elevated Installation &gt;15' To 20', Add</i>	16.11	
<i>For Elevated Installation &gt;20' To 25', Add</i>	20.14	
<i>For Elevated Installation &gt;25' To 30', Add</i>	28.19	
<i>For Elevated Installation &gt;30' To 35', Add</i>	32.22	
<i>For Elevated Installation &gt;35' To 40', Add</i>	40.27	
<i>For Elevated Installation &gt;40', Add</i>	44.30	
23 31 13 16-0035 EA 16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	122.07	40.61
<i>For 3" WG (Class B), Add</i>	15.23	
<i>For 4" Or 6" WG (Class A), Add</i>	40.62	
<i>For 28 Gauge, Deduct</i>	-2.84	
<i>For 24 Gauge, Add</i>	2.83	
<i>For 22 Gauge, Add</i>	5.66	
<i>For 20 Gauge, Add</i>	8.50	
<i>For 18 Gauge, Add</i>	11.29	
<i>For 16 Gauge, Add</i>	13.86	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	15.19	
<i>For Work In Restricted Working Space, Add</i>	30.46	
<i>For Elevated Installation &gt;10' To 15', Add</i>	10.15	
<i>For Elevated Installation &gt;15' To 20', Add</i>	20.31	
<i>For Elevated Installation &gt;20' To 25', Add</i>	25.39	
<i>For Elevated Installation &gt;25' To 30', Add</i>	35.54	
<i>For Elevated Installation &gt;30' To 35', Add</i>	40.62	
<i>For Elevated Installation &gt;35' To 40', Add</i>	50.77	
<i>For Elevated Installation &gt;40', Add</i>	55.85	
23 31 13 16-0036 EA 18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	137.64	42.37
<i>For 3" WG (Class B), Add</i>	15.86	
<i>For 4" Or 6" WG (Class A), Add</i>	42.30	
<i>For 28 Gauge, Deduct</i>	-4.42	
<i>For 24 Gauge, Add</i>	4.40	
<i>For 22 Gauge, Add</i>	8.79	
<i>For 20 Gauge, Add</i>	13.20	
<i>For 18 Gauge, Add</i>	17.54	
<i>For 16 Gauge, Add</i>	21.53	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	23.60	
<i>For Work In Restricted Working Space, Add</i>	31.73	
<i>For Elevated Installation &gt;10' To 15', Add</i>	10.58	
<i>For Elevated Installation &gt;15' To 20', Add</i>	21.15	
<i>For Elevated Installation &gt;20' To 25', Add</i>	26.44	
<i>For Elevated Installation &gt;25' To 30', Add</i>	37.01	
<i>For Elevated Installation &gt;30' To 35', Add</i>	42.30	
<i>For Elevated Installation &gt;35' To 40', Add</i>	52.88	
<i>For Elevated Installation &gt;40', Add</i>	58.16	
23 31 13 16-0037 EA 20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow.....	151.07	43.42
<i>For 3" WG (Class B), Add</i>	16.28	
<i>For 4" Or 6" WG (Class A), Add</i>	43.42	
<i>For 28 Gauge, Deduct</i>	-5.89	
<i>For 24 Gauge, Add</i>	5.87	
<i>For 22 Gauge, Add</i>	11.71	
<i>For 20 Gauge, Add</i>	17.60	
<i>For 18 Gauge, Add</i>	23.39	
<i>For 16 Gauge, Add</i>	28.70	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	31.46	
<i>For Work In Restricted Working Space, Add</i>	32.57	
<i>For Elevated Installation &gt;10' To 15', Add</i>	10.86	
<i>For Elevated Installation &gt;15' To 20', Add</i>	21.71	
<i>For Elevated Installation &gt;20' To 25', Add</i>	27.14	
<i>For Elevated Installation &gt;25' To 30', Add</i>	37.99	
<i>For Elevated Installation &gt;30' To 35', Add</i>	43.42	
<i>For Elevated Installation &gt;35' To 40', Add</i>	54.28	
<i>For Elevated Installation &gt;40', Add</i>	59.70	
23 31 13 16-0038 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbows (23 31 13 16-0001)		

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0039	EA		4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree		
			Elbow.....	17.63	6.30
			For 3" WG (Class B), Add	2.36	
			For 4" Or 6" WG (Class A), Add	6.30	
			For 28 Gauge, Deduct	-0.26	
			For 24 Gauge, Add	0.26	
			For 22 Gauge, Add	0.52	
			For 20 Gauge, Add	0.77	
			For 18 Gauge, Add	1.03	
			For 16 Gauge, Add	1.26	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.38	
			For Work In Restricted Working Space, Add	4.73	
			For Elevated Installation >10' To 15', Add	1.58	
			For Elevated Installation >15' To 20', Add	3.15	
			For Elevated Installation >20' To 25', Add	3.94	
			For Elevated Installation >25' To 30', Add	5.52	
			For Elevated Installation >30' To 35', Add	6.30	
			For Elevated Installation >35' To 40', Add	7.88	
			For Elevated Installation >40', Add	8.67	
23 31 13 16-0040	EA		5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree		
			Elbow.....	20.41	7.21
			For 3" WG (Class B), Add	2.70	
			For 4" Or 6" WG (Class A), Add	7.20	
			For 28 Gauge, Deduct	-0.33	
			For 24 Gauge, Add	0.33	
			For 22 Gauge, Add	0.66	
			For 20 Gauge, Add	0.99	
			For 18 Gauge, Add	1.32	
			For 16 Gauge, Add	1.62	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.78	
			For Work In Restricted Working Space, Add	5.40	
			For Elevated Installation >10' To 15', Add	1.80	
			For Elevated Installation >15' To 20', Add	3.60	
			For Elevated Installation >20' To 25', Add	4.50	
			For Elevated Installation >25' To 30', Add	6.30	
			For Elevated Installation >30' To 35', Add	7.20	
			For Elevated Installation >35' To 40', Add	9.01	
			For Elevated Installation >40', Add	9.91	
23 31 13 16-0041	EA		6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree		
			Elbow.....	23.63	8.40
			For 3" WG (Class B), Add	3.15	
			For 4" Or 6" WG (Class A), Add	8.40	
			For 28 Gauge, Deduct	-0.36	
			For 24 Gauge, Add	0.36	
			For 22 Gauge, Add	0.72	
			For 20 Gauge, Add	1.08	
			For 18 Gauge, Add	1.44	
			For 16 Gauge, Add	1.77	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.94	
			For Work In Restricted Working Space, Add	6.30	
			For Elevated Installation >10' To 15', Add	2.10	
			For Elevated Installation >15' To 20', Add	4.20	
			For Elevated Installation >20' To 25', Add	5.25	
			For Elevated Installation >25' To 30', Add	7.35	
			For Elevated Installation >30' To 35', Add	8.40	
			For Elevated Installation >35' To 40', Add	10.51	
			For Elevated Installation >40', Add	11.56	
23 31 13 16-0042	EA		7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree		
			Elbow.....	28.24	10.08
			For 3" WG (Class B), Add	3.78	
			For 4" Or 6" WG (Class A), Add	10.08	
			For 28 Gauge, Deduct	-0.42	
			For 24 Gauge, Add	0.42	
			For 22 Gauge, Add	0.83	
			For 20 Gauge, Add	1.25	
			For 18 Gauge, Add	1.67	
			For 16 Gauge, Add	2.05	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.24	
			For Work In Restricted Working Space, Add	7.56	
			For Elevated Installation >10' To 15', Add	2.52	
			For Elevated Installation >15' To 20', Add	5.04	
			For Elevated Installation >20' To 25', Add	6.30	
			For Elevated Installation >25' To 30', Add	8.82	
			For Elevated Installation >30' To 35', Add	10.08	
			For Elevated Installation >35' To 40', Add	12.61	
			For Elevated Installation >40', Add	13.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0043 EA 8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree		
Elbow.....	34.97	12.60
<i>For 3" WG (Class B), Add</i>	4.73	
<i>For 4" Or 6" WG (Class A), Add</i>	12.61	
<i>For 28 Gauge, Deduct</i>	-0.48	
<i>For 24 Gauge, Add</i>	0.48	
<i>For 22 Gauge, Add</i>	0.95	
<i>For 20 Gauge, Add</i>	1.43	
<i>For 18 Gauge, Add</i>	1.90	
<i>For 16 Gauge, Add</i>	2.33	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	2.55	
<i>For Work In Restricted Working Space, Add</i>	9.46	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.15	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.30	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.88	
<i>For Elevated Installation &gt;25' To 30', Add</i>	11.03	
<i>For Elevated Installation &gt;30' To 35', Add</i>	12.61	
<i>For Elevated Installation &gt;35' To 40', Add</i>	15.76	
<i>For Elevated Installation &gt;40', Add</i>	17.34	
23 31 13 16-0044 EA 10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree		
Elbow.....	47.27	16.81
<i>For 3" WG (Class B), Add</i>	6.30	
<i>For 4" Or 6" WG (Class A), Add</i>	16.80	
<i>For 28 Gauge, Deduct</i>	-0.73	
<i>For 24 Gauge, Add</i>	0.73	
<i>For 22 Gauge, Add</i>	1.45	
<i>For 20 Gauge, Add</i>	2.18	
<i>For 18 Gauge, Add</i>	2.89	
<i>For 16 Gauge, Add</i>	3.55	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.89	
<i>For Work In Restricted Working Space, Add</i>	12.60	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.20	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.40	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.50	
<i>For Elevated Installation &gt;25' To 30', Add</i>	14.70	
<i>For Elevated Installation &gt;30' To 35', Add</i>	16.80	
<i>For Elevated Installation &gt;35' To 40', Add</i>	21.01	
<i>For Elevated Installation &gt;40', Add</i>	23.11	
23 31 13 16-0045 EA 12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree		
Elbow.....	69.80	25.21
<i>For 3" WG (Class B), Add</i>	9.45	
<i>For 4" Or 6" WG (Class A), Add</i>	25.21	
<i>For 28 Gauge, Deduct</i>	-0.94	
<i>For 24 Gauge, Add</i>	0.93	
<i>For 22 Gauge, Add</i>	1.87	
<i>For 20 Gauge, Add</i>	2.80	
<i>For 18 Gauge, Add</i>	3.72	
<i>For 16 Gauge, Add</i>	4.57	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.01	
<i>For Work In Restricted Working Space, Add</i>	18.91	
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.30	
<i>For Elevated Installation &gt;15' To 20', Add</i>	12.61	
<i>For Elevated Installation &gt;20' To 25', Add</i>	15.76	
<i>For Elevated Installation &gt;25' To 30', Add</i>	22.06	
<i>For Elevated Installation &gt;30' To 35', Add</i>	25.21	
<i>For Elevated Installation &gt;35' To 40', Add</i>	31.52	
<i>For Elevated Installation &gt;40', Add</i>	34.67	
23 31 13 16-0046 EA 14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree		
Elbow.....	92.26	32.21
<i>For 3" WG (Class B), Add</i>	12.08	
<i>For 4" Or 6" WG (Class A), Add</i>	32.22	
<i>For 28 Gauge, Deduct</i>	-1.62	
<i>For 24 Gauge, Add</i>	1.62	
<i>For 22 Gauge, Add</i>	3.23	
<i>For 20 Gauge, Add</i>	4.85	
<i>For 18 Gauge, Add</i>	6.45	
<i>For 16 Gauge, Add</i>	7.91	
<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	8.67	
<i>For Work In Restricted Working Space, Add</i>	24.16	
<i>For Elevated Installation &gt;10' To 15', Add</i>	8.05	
<i>For Elevated Installation &gt;15' To 20', Add</i>	16.11	
<i>For Elevated Installation &gt;20' To 25', Add</i>	20.14	
<i>For Elevated Installation &gt;25' To 30', Add</i>	28.19	
<i>For Elevated Installation &gt;30' To 35', Add</i>	32.22	
<i>For Elevated Installation &gt;35' To 40', Add</i>	40.27	
<i>For Elevated Installation &gt;40', Add</i>	44.30	



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 31 13 16-0047	EA		16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	120.77	40.61
			<i>For 3" WG (Class B), Add</i>	15.23	
			<i>For 4" Or 6" WG (Class A), Add</i>	40.62	
			<i>For 28 Gauge, Deduct</i>	-2.66	
			<i>For 24 Gauge, Add</i>	2.65	
			<i>For 22 Gauge, Add</i>	5.30	
			<i>For 20 Gauge, Add</i>	7.96	
			<i>For 18 Gauge, Add</i>	10.58	
			<i>For 16 Gauge, Add</i>	12.98	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	14.23	
			<i>For Work In Restricted Working Space, Add</i>	30.46	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.15	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	20.31	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	25.39	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	35.54	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	40.62	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	50.77	
			<i>For Elevated Installation &gt;40', Add</i>	55.85	
23 31 13 16-0048	EA		18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	128.99	42.37
			<i>For 3" WG (Class B), Add</i>	15.86	
			<i>For 4" Or 6" WG (Class A), Add</i>	42.30	
			<i>For 28 Gauge, Deduct</i>	-3.22	
			<i>For 24 Gauge, Add</i>	3.21	
			<i>For 22 Gauge, Add</i>	6.40	
			<i>For 20 Gauge, Add</i>	9.62	
			<i>For 18 Gauge, Add</i>	12.78	
			<i>For 16 Gauge, Add</i>	15.69	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	17.20	
			<i>For Work In Restricted Working Space, Add</i>	31.73	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.58	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	21.15	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	26.44	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	37.01	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	42.30	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	52.88	
			<i>For Elevated Installation &gt;40', Add</i>	58.16	
23 31 13 16-0049	EA		20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	138.33	43.42
			<i>For 3" WG (Class B), Add</i>	16.28	
			<i>For 4" Or 6" WG (Class A), Add</i>	43.42	
			<i>For 28 Gauge, Deduct</i>	-4.12	
			<i>For 24 Gauge, Add</i>	4.11	
			<i>For 22 Gauge, Add</i>	8.20	
			<i>For 20 Gauge, Add</i>	12.33	
			<i>For 18 Gauge, Add</i>	16.38	
			<i>For 16 Gauge, Add</i>	20.10	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	22.04	
			<i>For Work In Restricted Working Space, Add</i>	32.57	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.86	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	21.71	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	27.14	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	37.99	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	43.42	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	54.28	
			<i>For Elevated Installation &gt;40', Add</i>	59.70	
23 31 13 16-0050			<b>2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tees</b> <small>(23 31 13 16-0001)</small>		
23 31 13 16-0051	EA		4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	27.79	9.46
			<i>For 3" WG (Class B), Add</i>	3.54	
			<i>For 4" Or 6" WG (Class A), Add</i>	9.45	
			<i>For 28 Gauge, Deduct</i>	-0.58	
			<i>For 24 Gauge, Add</i>	0.57	
			<i>For 22 Gauge, Add</i>	1.15	
			<i>For 20 Gauge, Add</i>	1.72	
			<i>For 18 Gauge, Add</i>	2.29	
			<i>For 16 Gauge, Add</i>	2.81	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.08	
			<i>For Work In Restricted Working Space, Add</i>	7.09	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.36	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.73	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.91	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.27	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.45	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	11.82	
			<i>For Elevated Installation &gt;40', Add</i>	13.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0052 EA 5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	32.53	10.79
For 3" WG (Class B), Add	4.05	
For 4" Or 6" WG (Class A), Add	10.80	
For 28 Gauge, Deduct	-0.76	
For 24 Gauge, Add	0.76	
For 22 Gauge, Add	1.52	
For 20 Gauge, Add	2.29	
For 18 Gauge, Add	3.04	
For 16 Gauge, Add	3.73	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.08	
For Work In Restricted Working Space, Add	8.10	
For Elevated Installation >10' To 15', Add	2.70	
For Elevated Installation >15' To 20', Add	5.40	
For Elevated Installation >20' To 25', Add	6.75	
For Elevated Installation >25' To 30', Add	9.45	
For Elevated Installation >30' To 35', Add	10.80	
For Elevated Installation >35' To 40', Add	13.51	
For Elevated Installation >40', Add	14.86	
23 31 13 16-0053 EA 6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	37.51	12.60
For 3" WG (Class B), Add	4.73	
For 4" Or 6" WG (Class A), Add	12.61	
For 28 Gauge, Deduct	-0.83	
For 24 Gauge, Add	0.83	
For 22 Gauge, Add	1.65	
For 20 Gauge, Add	2.48	
For 18 Gauge, Add	3.29	
For 16 Gauge, Add	4.04	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.43	
For Work In Restricted Working Space, Add	9.46	
For Elevated Installation >10' To 15', Add	3.15	
For Elevated Installation >15' To 20', Add	6.30	
For Elevated Installation >20' To 25', Add	7.88	
For Elevated Installation >25' To 30', Add	11.03	
For Elevated Installation >30' To 35', Add	12.61	
For Elevated Installation >35' To 40', Add	15.76	
For Elevated Installation >40', Add	17.34	
23 31 13 16-0054 EA 7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	44.71	15.12
For 3" WG (Class B), Add	5.67	
For 4" Or 6" WG (Class A), Add	15.12	
For 28 Gauge, Deduct	-0.96	
For 24 Gauge, Add	0.95	
For 22 Gauge, Add	1.90	
For 20 Gauge, Add	2.86	
For 18 Gauge, Add	3.80	
For 16 Gauge, Add	4.66	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.11	
For Work In Restricted Working Space, Add	11.34	
For Elevated Installation >10' To 15', Add	3.78	
For Elevated Installation >15' To 20', Add	7.56	
For Elevated Installation >20' To 25', Add	9.45	
For Elevated Installation >25' To 30', Add	13.23	
For Elevated Installation >30' To 35', Add	15.12	
For Elevated Installation >35' To 40', Add	18.91	
For Elevated Installation >40', Add	20.80	
23 31 13 16-0055 EA 8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	58.43	18.90
For 3" WG (Class B), Add	7.09	
For 4" Or 6" WG (Class A), Add	18.91	
For 28 Gauge, Deduct	-1.54	
For 24 Gauge, Add	1.54	
For 22 Gauge, Add	3.07	
For 20 Gauge, Add	4.62	
For 18 Gauge, Add	6.13	
For 16 Gauge, Add	7.53	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.25	
For Work In Restricted Working Space, Add	14.18	
For Elevated Installation >10' To 15', Add	4.73	
For Elevated Installation >15' To 20', Add	9.46	
For Elevated Installation >20' To 25', Add	11.82	
For Elevated Installation >25' To 30', Add	16.55	
For Elevated Installation >30' To 35', Add	18.91	
For Elevated Installation >35' To 40', Add	23.64	
For Elevated Installation >40', Add	26.00	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts And Casings**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0056	EA		10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	77.26	25.21
			For 3" WG (Class B), Add	9.45	
			For 4" Or 6" WG (Class A), Add	25.21	
			For 28 Gauge, Deduct	-1.97	
			For 24 Gauge, Add	1.96	
			For 22 Gauge, Add	3.92	
			For 20 Gauge, Add	5.89	
			For 18 Gauge, Add	7.83	
			For 16 Gauge, Add	9.61	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	10.53	
			For Work In Restricted Working Space, Add	18.91	
			For Elevated Installation >10' To 15', Add	6.30	
			For Elevated Installation >15' To 20', Add	12.61	
			For Elevated Installation >20' To 25', Add	15.76	
			For Elevated Installation >25' To 30', Add	22.06	
			For Elevated Installation >30' To 35', Add	25.21	
			For Elevated Installation >35' To 40', Add	31.52	
			For Elevated Installation >40', Add	34.67	
23 31 13 16-0057	EA		12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	108.75	37.82
			For 3" WG (Class B), Add	14.18	
			For 4" Or 6" WG (Class A), Add	37.81	
			For 28 Gauge, Deduct	-1.97	
			For 24 Gauge, Add	1.96	
			For 22 Gauge, Add	3.92	
			For 20 Gauge, Add	5.89	
			For 18 Gauge, Add	7.83	
			For 16 Gauge, Add	9.61	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	10.53	
			For Work In Restricted Working Space, Add	28.36	
			For Elevated Installation >10' To 15', Add	9.45	
			For Elevated Installation >15' To 20', Add	18.90	
			For Elevated Installation >20' To 25', Add	23.63	
			For Elevated Installation >25' To 30', Add	33.08	
			For Elevated Installation >30' To 35', Add	37.81	
			For Elevated Installation >35' To 40', Add	47.26	
			For Elevated Installation >40', Add	51.99	
23 31 13 16-0058	EA		14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	147.84	48.18
			For 3" WG (Class B), Add	18.11	
			For 4" Or 6" WG (Class A), Add	48.30	
			For 28 Gauge, Deduct	-3.75	
			For 24 Gauge, Add	3.74	
			For 22 Gauge, Add	7.47	
			For 20 Gauge, Add	11.22	
			For 18 Gauge, Add	14.91	
			For 16 Gauge, Add	18.29	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.05	
			For Work In Restricted Working Space, Add	36.22	
			For Elevated Installation >10' To 15', Add	12.07	
			For Elevated Installation >15' To 20', Add	24.15	
			For Elevated Installation >20' To 25', Add	30.19	
			For Elevated Installation >25' To 30', Add	42.26	
			For Elevated Installation >30' To 35', Add	48.30	
			For Elevated Installation >35' To 40', Add	60.37	
			For Elevated Installation >40', Add	66.41	
23 31 13 16-0059	EA		16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	190.28	61.07
			For 3" WG (Class B), Add	22.84	
			For 4" Or 6" WG (Class A), Add	60.90	
			For 28 Gauge, Deduct	-5.27	
			For 24 Gauge, Add	5.25	
			For 22 Gauge, Add	10.48	
			For 20 Gauge, Add	15.75	
			For 18 Gauge, Add	20.92	
			For 16 Gauge, Add	25.68	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	28.15	
			For Work In Restricted Working Space, Add	45.67	
			For Elevated Installation >10' To 15', Add	15.22	
			For Elevated Installation >15' To 20', Add	30.45	
			For Elevated Installation >20' To 25', Add	38.06	
			For Elevated Installation >25' To 30', Add	53.28	
			For Elevated Installation >30' To 35', Add	60.90	
			For Elevated Installation >35' To 40', Add	76.12	
			For Elevated Installation >40', Add	83.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0060 EA 18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	218.63	67.93
For 3" WG (Class B), Add	25.53	
For 4" Or 6" WG (Class A), Add	68.07	
For 28 Gauge, Deduct	-6.71	
For 24 Gauge, Add	6.69	
For 22 Gauge, Add	13.35	
For 20 Gauge, Add	20.06	
For 18 Gauge, Add	26.65	
For 16 Gauge, Add	32.71	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	35.86	
For Work In Restricted Working Space, Add	51.05	
For Elevated Installation >10' To 15', Add	17.02	
For Elevated Installation >15' To 20', Add	34.03	
For Elevated Installation >20' To 25', Add	42.54	
For Elevated Installation >25' To 30', Add	59.56	
For Elevated Installation >30' To 35', Add	68.07	
For Elevated Installation >35' To 40', Add	85.09	
For Elevated Installation >40', Add	93.59	
23 31 13 16-0061 EA 20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Tee.....	229.56	70.38
For 3" WG (Class B), Add	26.37	
For 4" Or 6" WG (Class A), Add	70.31	
For 28 Gauge, Deduct	-7.45	
For 24 Gauge, Add	7.42	
For 22 Gauge, Add	14.82	
For 20 Gauge, Add	22.26	
For 18 Gauge, Add	29.58	
For 16 Gauge, Add	36.30	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	39.80	
For Work In Restricted Working Space, Add	52.73	
For Elevated Installation >10' To 15', Add	17.58	
For Elevated Installation >15' To 20', Add	35.16	
For Elevated Installation >20' To 25', Add	43.95	
For Elevated Installation >25' To 30', Add	61.52	
For Elevated Installation >30' To 35', Add	70.31	
For Elevated Installation >35' To 40', Add	87.89	
For Elevated Installation >40', Add	96.68	
<b>23 31 13 16-0062 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connectors</b>		
<small>(23 31 13 16-0001)</small>		
23 31 13 16-0063 EA 4" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector .....	12.60	
For 3" WG (Class B), Add	1.68	
For 4" Or 6" WG (Class A), Add	4.48	
For Work In Restricted Working Space, Add	3.36	
For Elevated Installation >10' To 15', Add	1.12	
For Elevated Installation >15' To 20', Add	2.24	
For Elevated Installation >20' To 25', Add	2.80	
For Elevated Installation >25' To 30', Add	3.92	
For Elevated Installation >30' To 35', Add	4.48	
For Elevated Installation >35' To 40', Add	5.60	
For Elevated Installation >40', Add	6.16	
23 31 13 16-0064 EA 5" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector .....	13.28	
For 3" WG (Class B), Add	1.77	
For 4" Or 6" WG (Class A), Add	4.71	
For Work In Restricted Working Space, Add	3.53	
For Elevated Installation >10' To 15', Add	1.18	
For Elevated Installation >15' To 20', Add	2.36	
For Elevated Installation >20' To 25', Add	2.95	
For Elevated Installation >25' To 30', Add	4.12	
For Elevated Installation >30' To 35', Add	4.71	
For Elevated Installation >35' To 40', Add	5.89	
For Elevated Installation >40', Add	6.48	
23 31 13 16-0065 EA 6" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector .....	14.22	
For 3" WG (Class B), Add	1.89	
For 4" Or 6" WG (Class A), Add	5.04	
For Work In Restricted Working Space, Add	3.78	
For Elevated Installation >10' To 15', Add	1.26	
For Elevated Installation >15' To 20', Add	2.52	
For Elevated Installation >20' To 25', Add	3.15	
For Elevated Installation >25' To 30', Add	4.41	
For Elevated Installation >30' To 35', Add	5.04	
For Elevated Installation >35' To 40', Add	6.30	
For Elevated Installation >40', Add	6.93	
23 31 13 16-0066 EA 7" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector .....	15.15	
For 3" WG (Class B), Add	2.00	
For 4" Or 6" WG (Class A), Add	5.32	
For Work In Restricted Working Space, Add	3.99	
For Elevated Installation >10' To 15', Add	1.33	
For Elevated Installation >15' To 20', Add	2.66	
For Elevated Installation >20' To 25', Add	3.33	
For Elevated Installation >25' To 30', Add	4.66	
For Elevated Installation >30' To 35', Add	5.32	
For Elevated Installation >35' To 40', Add	6.66	
For Elevated Installation >40', Add	7.32	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0067	EA		8" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector .....	16.44	
			For 3" WG (Class B), Add	2.15	
			For 4" Or 6" WG (Class A), Add	5.74	
			For Work In Restricted Working Space, Add	4.31	
			For Elevated Installation >10' To 15', Add	1.44	
			For Elevated Installation >15' To 20', Add	2.87	
			For Elevated Installation >20' To 25', Add	3.59	
			For Elevated Installation >25' To 30', Add	5.03	
			For Elevated Installation >30' To 35', Add	5.74	
			For Elevated Installation >35' To 40', Add	7.18	
			For Elevated Installation >40', Add	7.90	
23 31 13 16-0068	EA		10" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector .....	19.32	
			For 3" WG (Class B), Add	2.41	
			For 4" Or 6" WG (Class A), Add	6.42	
			For Work In Restricted Working Space, Add	4.81	
			For Elevated Installation >10' To 15', Add	1.60	
			For Elevated Installation >15' To 20', Add	3.21	
			For Elevated Installation >20' To 25', Add	4.01	
			For Elevated Installation >25' To 30', Add	5.61	
			For Elevated Installation >30' To 35', Add	6.42	
			For Elevated Installation >35' To 40', Add	8.02	
			For Elevated Installation >40', Add	8.82	
23 31 13 16-0069	EA		12" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector .....	26.37	
			For 3" WG (Class B), Add	3.36	
			For 4" Or 6" WG (Class A), Add	8.96	
			For Work In Restricted Working Space, Add	6.72	
			For Elevated Installation >10' To 15', Add	2.24	
			For Elevated Installation >15' To 20', Add	4.48	
			For Elevated Installation >20' To 25', Add	5.60	
			For Elevated Installation >25' To 30', Add	7.84	
			For Elevated Installation >30' To 35', Add	8.96	
			For Elevated Installation >35' To 40', Add	11.21	
			For Elevated Installation >40', Add	12.33	
23 31 13 16-0070	EA		14" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector .....	30.11	
			For 3" WG (Class B), Add	3.83	
			For 4" Or 6" WG (Class A), Add	10.20	
			For Work In Restricted Working Space, Add	7.65	
			For Elevated Installation >10' To 15', Add	2.55	
			For Elevated Installation >15' To 20', Add	5.10	
			For Elevated Installation >20' To 25', Add	6.38	
			For Elevated Installation >25' To 30', Add	8.93	
			For Elevated Installation >30' To 35', Add	10.20	
			For Elevated Installation >35' To 40', Add	12.75	
			For Elevated Installation >40', Add	14.03	
23 31 13 16-0071	EA		16" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector .....	33.11	
			For 3" WG (Class B), Add	4.19	
			For 4" Or 6" WG (Class A), Add	11.18	
			For Work In Restricted Working Space, Add	8.39	
			For Elevated Installation >10' To 15', Add	2.80	
			For Elevated Installation >15' To 20', Add	5.59	
			For Elevated Installation >20' To 25', Add	6.99	
			For Elevated Installation >25' To 30', Add	9.78	
			For Elevated Installation >30' To 35', Add	11.18	
			For Elevated Installation >35' To 40', Add	13.98	
			For Elevated Installation >40', Add	15.37	
23 31 13 16-0072	EA		18" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector .....	36.02	
			For 3" WG (Class B), Add	4.54	
			For 4" Or 6" WG (Class A), Add	12.10	
			For Work In Restricted Working Space, Add	9.08	
			For Elevated Installation >10' To 15', Add	3.03	
			For Elevated Installation >15' To 20', Add	6.05	
			For Elevated Installation >20' To 25', Add	7.57	
			For Elevated Installation >25' To 30', Add	10.59	
			For Elevated Installation >30' To 35', Add	12.10	
			For Elevated Installation >35' To 40', Add	15.13	
			For Elevated Installation >40', Add	16.64	
23 31 13 16-0073	EA		20" Diameter, 26 Gauge, 2" WG And Less (Class C), Galvanized Sheet Metal Round And Flat-Oval Connector .....	39.23	
			For 3" WG (Class B), Add	4.95	
			For 4" Or 6" WG (Class A), Add	13.19	
			For Work In Restricted Working Space, Add	9.89	
			For Elevated Installation >10' To 15', Add	3.30	
			For Elevated Installation >15' To 20', Add	6.60	
			For Elevated Installation >20' To 25', Add	8.25	
			For Elevated Installation >25' To 30', Add	11.54	
			For Elevated Installation >30' To 35', Add	13.19	
			For Elevated Installation >35' To 40', Add	16.49	
			For Elevated Installation >40', Add	18.14	

23 31 13 16-0074 Slip Joint, Galvanized, Spiral Duct And Fittings (23 31 13 16)

23 31 13 16-0075 Slip Joint, Galvanized, Spiral Duct (23 31 13 16-0074)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0076 LF 4" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct .....	4.85	0.65
For 3" WG (Class B), Add	0.52	
For 4" Or 6" WG (Class A), Add	1.38	
For 24 Gauge, Add	0.28	
For 22 Gauge, Add	0.64	
For 20 Gauge, Add	1.04	
For 18 Gauge, Add	1.60	
For 16 Gauge, Add	1.95	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.03	
For Work In Restricted Working Space, Add	1.04	
23 31 13 16-0077 LF 6" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct .....	6.16	1.29
For 3" WG (Class B), Add	0.62	
For 4" Or 6" WG (Class A), Add	1.66	
For 24 Gauge, Add	0.40	
For 22 Gauge, Add	0.92	
For 20 Gauge, Add	1.51	
For 18 Gauge, Add	2.31	
For 16 Gauge, Add	2.81	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.49	
For Work In Restricted Working Space, Add	1.25	
23 31 13 16-0078 LF 8" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct .....	7.78	1.29
For 3" WG (Class B), Add	0.77	
For 4" Or 6" WG (Class A), Add	2.06	
For 24 Gauge, Add	0.53	
For 22 Gauge, Add	1.21	
For 20 Gauge, Add	1.98	
For 18 Gauge, Add	3.04	
For 16 Gauge, Add	3.70	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.95	
For Work In Restricted Working Space, Add	1.54	
23 31 13 16-0079 LF 10" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct .....	9.44	1.29
For 3" WG (Class B), Add	0.93	
For 4" Or 6" WG (Class A), Add	2.47	
For 24 Gauge, Add	0.65	
For 22 Gauge, Add	1.50	
For 20 Gauge, Add	2.45	
For 18 Gauge, Add	3.75	
For 16 Gauge, Add	4.56	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.41	
For Work In Restricted Working Space, Add	1.85	
23 31 13 16-0080 LF 12" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct .....	11.75	1.94
For 3" WG (Class B), Add	1.16	
For 4" Or 6" WG (Class A), Add	3.10	
For 24 Gauge, Add	0.80	
For 22 Gauge, Add	1.84	
For 20 Gauge, Add	3.01	
For 18 Gauge, Add	4.61	
For 16 Gauge, Add	5.61	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.97	
For Work In Restricted Working Space, Add	2.32	
23 31 13 16-0081 LF 14" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct .....	14.32	1.94
For 3" WG (Class B), Add	1.45	
For 4" Or 6" WG (Class A), Add	3.87	
For 24 Gauge, Add	0.93	
For 22 Gauge, Add	2.14	
For 20 Gauge, Add	3.49	
For 18 Gauge, Add	5.35	
For 16 Gauge, Add	6.51	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.44	
For Work In Restricted Working Space, Add	2.90	
23 31 13 16-0082 LF 16" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct .....	19.63	1.94
For 3" WG (Class B), Add	1.93	
For 4" Or 6" WG (Class A), Add	5.15	
For 24 Gauge, Add	1.35	
For 22 Gauge, Add	3.11	
For 20 Gauge, Add	5.06	
For 18 Gauge, Add	7.76	
For 16 Gauge, Add	9.45	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.00	
For Work In Restricted Working Space, Add	3.86	
23 31 13 16-0083 LF 18" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct .....	22.51	2.58
For 3" WG (Class B), Add	2.25	
For 4" Or 6" WG (Class A), Add	6.01	
For 24 Gauge, Add	1.50	
For 22 Gauge, Add	3.45	
For 20 Gauge, Add	5.62	
For 18 Gauge, Add	8.61	
For 16 Gauge, Add	10.49	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.54	
For Work In Restricted Working Space, Add	4.51	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts And Casings**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0084	LF		20" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct .....	25.41	2.58
			For 3" WG (Class B), Add	2.56	
			For 4" Or 6" WG (Class A), Add	6.82	
			For 24 Gauge, Add	1.67	
			For 22 Gauge, Add	3.84	
			For 20 Gauge, Add	6.26	
			For 18 Gauge, Add	9.60	
			For 16 Gauge, Add	11.69	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.18	
			For Work In Restricted Working Space, Add	5.12	
23 31 13 16-0085	LF		22" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct .....	28.44	3.23
			For 3" WG (Class B), Add	2.88	
			For 4" Or 6" WG (Class A), Add	7.68	
			For 24 Gauge, Add	1.85	
			For 22 Gauge, Add	4.25	
			For 20 Gauge, Add	6.92	
			For 18 Gauge, Add	10.61	
			For 16 Gauge, Add	12.92	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.83	
			For Work In Restricted Working Space, Add	5.76	
23 31 13 16-0086	LF		24" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct .....	31.53	3.87
			For 3" WG (Class B), Add	3.23	
			For 4" Or 6" WG (Class A), Add	8.60	
			For 24 Gauge, Add	2.01	
			For 22 Gauge, Add	4.61	
			For 20 Gauge, Add	7.52	
			For 18 Gauge, Add	11.53	
			For 16 Gauge, Add	14.04	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.42	
			For Work In Restricted Working Space, Add	6.45	
<b>23 31 13 16-0087</b>			<b>Slip Joint, Galvanized, Spiral 90 Degree Elbows (23 31 13 16-0074)</b>		
23 31 13 16-0088	EA		4" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	43.38	9.03
			For 3" WG (Class B), Add	5.23	
			For 4" Or 6" WG (Class A), Add	13.95	
			For 24 Gauge, Add	1.70	
			For 22 Gauge, Add	3.91	
			For 20 Gauge, Add	6.38	
			For 18 Gauge, Add	9.79	
			For 16 Gauge, Add	11.91	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.30	
			For Work In Restricted Working Space, Add	10.46	
23 31 13 16-0089	EA		6" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	63.69	12.90
			For 3" WG (Class B), Add	7.74	
			For 4" Or 6" WG (Class A), Add	20.64	
			For 24 Gauge, Add	2.42	
			For 22 Gauge, Add	5.56	
			For 20 Gauge, Add	9.06	
			For 18 Gauge, Add	13.89	
			For 16 Gauge, Add	16.91	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.94	
			For Work In Restricted Working Space, Add	15.48	
23 31 13 16-0090	EA		8" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	90.94	16.77
			For 3" WG (Class B), Add	10.19	
			For 4" Or 6" WG (Class A), Add	27.16	
			For 24 Gauge, Add	4.61	
			For 22 Gauge, Add	10.60	
			For 20 Gauge, Add	17.28	
			For 18 Gauge, Add	26.50	
			For 16 Gauge, Add	32.26	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	17.05	
			For Work In Restricted Working Space, Add	20.37	
23 31 13 16-0091	EA		10" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	113.14	21.28
			For 3" WG (Class B), Add	12.90	
			For 4" Or 6" WG (Class A), Add	34.40	
			For 24 Gauge, Add	5.43	
			For 22 Gauge, Add	12.48	
			For 20 Gauge, Add	20.35	
			For 18 Gauge, Add	31.20	
			For 16 Gauge, Add	37.98	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.08	
			For Work In Restricted Working Space, Add	25.80	
23 31 13 16-0092	EA		12" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	139.37	27.09
			For 3" WG (Class B), Add	16.13	
			For 4" Or 6" WG (Class A), Add	43.00	
			For 24 Gauge, Add	6.37	
			For 22 Gauge, Add	14.66	
			For 20 Gauge, Add	23.90	
			For 18 Gauge, Add	36.64	
			For 16 Gauge, Add	44.60	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	23.58	
			For Work In Restricted Working Space, Add	32.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0093 EA 14" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	152.74	29.68
For 3" WG (Class B), Add	17.59	
For 4" Or 6" WG (Class A), Add	46.91	
For 24 Gauge, Add	7.09	
For 22 Gauge, Add	16.31	
For 20 Gauge, Add	26.60	
For 18 Gauge, Add	40.78	
For 16 Gauge, Add	49.64	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	26.24	
For Work In Restricted Working Space, Add	35.18	
23 31 13 16-0094 EA 16" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	180.22	34.83
For 3" WG (Class B), Add	20.81	
For 4" Or 6" WG (Class A), Add	55.49	
For 24 Gauge, Add	8.30	
For 22 Gauge, Add	19.09	
For 20 Gauge, Add	31.13	
For 18 Gauge, Add	47.73	
For 16 Gauge, Add	58.10	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	30.71	
For Work In Restricted Working Space, Add	41.62	
23 31 13 16-0095 EA 18" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	219.77	43.22
For 3" WG (Class B), Add	25.80	
For 4" Or 6" WG (Class A), Add	68.80	
For 24 Gauge, Add	9.55	
For 22 Gauge, Add	21.97	
For 20 Gauge, Add	35.82	
For 18 Gauge, Add	54.92	
For 16 Gauge, Add	66.86	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	35.34	
For Work In Restricted Working Space, Add	51.60	
23 31 13 16-0096 EA 20" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	264.46	52.25
For 3" WG (Class B), Add	31.21	
For 4" Or 6" WG (Class A), Add	83.24	
For 24 Gauge, Add	11.27	
For 22 Gauge, Add	25.93	
For 20 Gauge, Add	42.28	
For 18 Gauge, Add	64.83	
For 16 Gauge, Add	78.92	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	41.71	
For Work In Restricted Working Space, Add	62.43	
23 31 13 16-0097 EA 22" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	307.40	60.63
For 3" WG (Class B), Add	36.51	
For 4" Or 6" WG (Class A), Add	97.37	
For 24 Gauge, Add	12.80	
For 22 Gauge, Add	29.43	
For 20 Gauge, Add	47.99	
For 18 Gauge, Add	73.58	
For 16 Gauge, Add	89.57	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	47.35	
For Work In Restricted Working Space, Add	73.03	
23 31 13 16-0098 EA 24" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	353.45	69.03
For 3" WG (Class B), Add	41.17	
For 4" Or 6" WG (Class A), Add	109.80	
For 24 Gauge, Add	15.79	
For 22 Gauge, Add	36.32	
For 20 Gauge, Add	59.22	
For 18 Gauge, Add	90.80	
For 16 Gauge, Add	110.54	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	58.43	
For Work In Restricted Working Space, Add	82.35	
<b>23 31 13 16-0099 Slip Joint, Galvanized, Spiral Duct 45 Degree Elbows</b> <small>(23 31 13 16-0074)</small>		
23 31 13 16-0100 EA 4" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	43.78	9.03
For 3" WG (Class B), Add	5.23	
For 4" Or 6" WG (Class A), Add	13.95	
For 24 Gauge, Add	1.78	
For 22 Gauge, Add	4.10	
For 20 Gauge, Add	6.68	
For 18 Gauge, Add	10.25	
For 16 Gauge, Add	12.47	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.59	
For Work In Restricted Working Space, Add	10.46	
23 31 13 16-0101 EA 6" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	61.62	12.90
For 3" WG (Class B), Add	7.74	
For 4" Or 6" WG (Class A), Add	20.64	
For 24 Gauge, Add	2.00	
For 22 Gauge, Add	4.60	
For 20 Gauge, Add	7.51	
For 18 Gauge, Add	11.51	
For 16 Gauge, Add	14.01	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.41	
For Work In Restricted Working Space, Add	15.48	



**23 Heating, Ventilating, And Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts And Casings**



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 31 13 16-0102	EA	8" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	81.32		16.77
		<i>For 3" WG (Class B), Add</i>		10.19	
		<i>For 4" Or 6" WG (Class A), Add</i>		27.16	
		<i>For 24 Gauge, Add</i>		2.68	
		<i>For 22 Gauge, Add</i>		6.17	
		<i>For 20 Gauge, Add</i>		10.07	
		<i>For 18 Gauge, Add</i>		15.43	
		<i>For 16 Gauge, Add</i>		18.79	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>		9.93	
		<i>For Work In Restricted Working Space, Add</i>		20.37	
23 31 13 16-0103	EA	10" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	102.79		21.28
		<i>For 3" WG (Class B), Add</i>		12.90	
		<i>For 4" Or 6" WG (Class A), Add</i>		34.40	
		<i>For 24 Gauge, Add</i>		3.36	
		<i>For 22 Gauge, Add</i>		7.72	
		<i>For 20 Gauge, Add</i>		12.59	
		<i>For 18 Gauge, Add</i>		19.30	
		<i>For 16 Gauge, Add</i>		23.49	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>		12.42	
		<i>For Work In Restricted Working Space, Add</i>		25.80	
23 31 13 16-0104	EA	12" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	127.01		27.09
		<i>For 3" WG (Class B), Add</i>		16.13	
		<i>For 4" Or 6" WG (Class A), Add</i>		43.00	
		<i>For 24 Gauge, Add</i>		3.90	
		<i>For 22 Gauge, Add</i>		8.97	
		<i>For 20 Gauge, Add</i>		14.63	
		<i>For 18 Gauge, Add</i>		22.43	
		<i>For 16 Gauge, Add</i>		27.30	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>		14.43	
		<i>For Work In Restricted Working Space, Add</i>		32.25	
23 31 13 16-0105	EA	14" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	138.96		29.68
		<i>For 3" WG (Class B), Add</i>		17.59	
		<i>For 4" Or 6" WG (Class A), Add</i>		46.91	
		<i>For 24 Gauge, Add</i>		4.34	
		<i>For 22 Gauge, Add</i>		9.97	
		<i>For 20 Gauge, Add</i>		16.26	
		<i>For 18 Gauge, Add</i>		24.93	
		<i>For 16 Gauge, Add</i>		30.35	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>		16.04	
		<i>For Work In Restricted Working Space, Add</i>		35.18	
23 31 13 16-0106	EA	16" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	174.25		34.83
		<i>For 3" WG (Class B), Add</i>		20.81	
		<i>For 4" Or 6" WG (Class A), Add</i>		55.49	
		<i>For 24 Gauge, Add</i>		7.11	
		<i>For 22 Gauge, Add</i>		16.34	
		<i>For 20 Gauge, Add</i>		26.65	
		<i>For 18 Gauge, Add</i>		40.86	
		<i>For 16 Gauge, Add</i>		49.74	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>		26.29	
		<i>For Work In Restricted Working Space, Add</i>		41.62	
23 31 13 16-0107	EA	18" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	215.54		43.22
		<i>For 3" WG (Class B), Add</i>		25.80	
		<i>For 4" Or 6" WG (Class A), Add</i>		68.80	
		<i>For 24 Gauge, Add</i>		8.71	
		<i>For 22 Gauge, Add</i>		20.02	
		<i>For 20 Gauge, Add</i>		32.65	
		<i>For 18 Gauge, Add</i>		50.06	
		<i>For 16 Gauge, Add</i>		60.94	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>		32.21	
		<i>For Work In Restricted Working Space, Add</i>		51.60	
23 31 13 16-0108	EA	20" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	263.17		52.25
		<i>For 3" WG (Class B), Add</i>		31.21	
		<i>For 4" Or 6" WG (Class A), Add</i>		83.24	
		<i>For 24 Gauge, Add</i>		11.02	
		<i>For 22 Gauge, Add</i>		25.34	
		<i>For 20 Gauge, Add</i>		41.31	
		<i>For 18 Gauge, Add</i>		63.34	
		<i>For 16 Gauge, Add</i>		77.11	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>		40.76	
		<i>For Work In Restricted Working Space, Add</i>		62.43	
23 31 13 16-0109	EA	22" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	292.72		60.63
		<i>For 3" WG (Class B), Add</i>		36.51	
		<i>For 4" Or 6" WG (Class A), Add</i>		97.37	
		<i>For 24 Gauge, Add</i>		9.86	
		<i>For 22 Gauge, Add</i>		22.68	
		<i>For 20 Gauge, Add</i>		36.98	
		<i>For 18 Gauge, Add</i>		56.70	
		<i>For 16 Gauge, Add</i>		69.02	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>		36.48	
		<i>For Work In Restricted Working Space, Add</i>		73.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0110 EA 24" Diameter, 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	348.22	69.03
For 3" WG (Class B), Add	41.17	
For 4" Or 6" WG (Class A), Add	109.80	
For 24 Gauge, Add	14.75	
For 22 Gauge, Add	33.92	
For 20 Gauge, Add	55.30	
For 18 Gauge, Add	84.79	
For 16 Gauge, Add	103.22	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	54.56	
For Work In Restricted Working Space, Add	82.35	
<b>23 31 13 16-0111 Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Laterals (23 31 13 16-0074)</b>		
23 31 13 16-0112 EA 6" x 6" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral .....	87.05	16.77
For 3" WG (Class B), Add	10.19	
For 4" Or 6" WG (Class A), Add	27.16	
For 24 Gauge, Add	3.83	
For 22 Gauge, Add	8.81	
For 20 Gauge, Add	14.36	
For 18 Gauge, Add	22.02	
For 16 Gauge, Add	26.81	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.17	
For Work In Restricted Working Space, Add	20.37	
23 31 13 16-0113 EA 8" x 8" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral .....	127.59	27.09
For 3" WG (Class B), Add	16.13	
For 4" Or 6" WG (Class A), Add	43.00	
For 24 Gauge, Add	4.02	
For 22 Gauge, Add	9.24	
For 20 Gauge, Add	15.06	
For 18 Gauge, Add	23.09	
For 16 Gauge, Add	28.11	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.86	
For Work In Restricted Working Space, Add	32.25	
23 31 13 16-0114 EA 10" x 10" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral .....	160.76	34.83
For 3" WG (Class B), Add	20.81	
For 4" Or 6" WG (Class A), Add	55.49	
For 24 Gauge, Add	4.41	
For 22 Gauge, Add	10.14	
For 20 Gauge, Add	16.53	
For 18 Gauge, Add	25.35	
For 16 Gauge, Add	30.86	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.31	
For Work In Restricted Working Space, Add	41.62	
23 31 13 16-0115 EA 12" x 12" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral .....	195.04	43.22
For 3" WG (Class B), Add	25.80	
For 4" Or 6" WG (Class A), Add	68.80	
For 24 Gauge, Add	4.61	
For 22 Gauge, Add	10.59	
For 20 Gauge, Add	17.27	
For 18 Gauge, Add	26.48	
For 16 Gauge, Add	32.24	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	17.04	
For Work In Restricted Working Space, Add	51.60	
23 31 13 16-0116 EA 14" x 14" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral .....	231.87	52.25
For 3" WG (Class B), Add	31.21	
For 4" Or 6" WG (Class A), Add	83.24	
For 24 Gauge, Add	4.76	
For 22 Gauge, Add	10.94	
For 20 Gauge, Add	17.84	
For 18 Gauge, Add	27.35	
For 16 Gauge, Add	33.29	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	17.60	
For Work In Restricted Working Space, Add	62.43	
23 31 13 16-0117 EA 16" x 16" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral .....	269.28	60.63
For 3" WG (Class B), Add	36.51	
For 4" Or 6" WG (Class A), Add	97.37	
For 24 Gauge, Add	5.17	
For 22 Gauge, Add	11.90	
For 20 Gauge, Add	19.40	
For 18 Gauge, Add	29.74	
For 16 Gauge, Add	36.20	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.14	
For Work In Restricted Working Space, Add	73.03	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0118	EA		18" x 18" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	301.40	69.03
			For 3" WG (Class B), Add	41.17	
			For 4" Or 6" WG (Class A), Add	109.80	
			For 24 Gauge, Add	5.38	
			For 22 Gauge, Add	12.38	
			For 20 Gauge, Add	20.18	
			For 18 Gauge, Add	30.95	
			For 16 Gauge, Add	37.67	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.91	
			For Work In Restricted Working Space, Add	82.35	
23 31 13 16-0119	EA		20" x 20" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	342.55	78.70
			For 3" WG (Class B), Add	47.20	
			For 4" Or 6" WG (Class A), Add	125.86	
			For 24 Gauge, Add	5.58	
			For 22 Gauge, Add	12.83	
			For 20 Gauge, Add	20.92	
			For 18 Gauge, Add	32.07	
			For 16 Gauge, Add	39.05	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.64	
			For Work In Restricted Working Space, Add	94.40	
23 31 13 16-0120	EA		22" x 22" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	382.24	87.08
			For 3" WG (Class B), Add	52.30	
			For 4" Or 6" WG (Class A), Add	139.47	
			For 24 Gauge, Add	6.71	
			For 22 Gauge, Add	15.44	
			For 20 Gauge, Add	25.17	
			For 18 Gauge, Add	38.59	
			For 16 Gauge, Add	46.98	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	24.83	
			For Work In Restricted Working Space, Add	104.60	
23 31 13 16-0121	EA		24" x 24" x 4", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	414.10	94.82
			For 3" WG (Class B), Add	56.92	
			For 4" Or 6" WG (Class A), Add	151.78	
			For 24 Gauge, Add	6.93	
			For 22 Gauge, Add	15.94	
			For 20 Gauge, Add	26.00	
			For 18 Gauge, Add	39.86	
			For 16 Gauge, Add	48.52	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	25.65	
			For Work In Restricted Working Space, Add	113.83	
23 31 13 16-0122	EA		8" x 8" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	133.81	29.22
			For 3" WG (Class B), Add	17.54	
			For 4" Or 6" WG (Class A), Add	46.78	
			For 24 Gauge, Add	3.37	
			For 22 Gauge, Add	7.76	
			For 20 Gauge, Add	12.65	
			For 18 Gauge, Add	19.40	
			For 16 Gauge, Add	23.62	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	12.48	
			For Work In Restricted Working Space, Add	35.08	
23 31 13 16-0123	EA		10" x 10" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	161.89	35.15
			For 3" WG (Class B), Add	21.09	
			For 4" Or 6" WG (Class A), Add	56.24	
			For 24 Gauge, Add	4.26	
			For 22 Gauge, Add	9.80	
			For 20 Gauge, Add	15.98	
			For 18 Gauge, Add	24.50	
			For 16 Gauge, Add	29.82	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	15.76	
			For Work In Restricted Working Space, Add	42.18	
23 31 13 16-0124	EA		12" x 12" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	196.68	42.70
			For 3" WG (Class B), Add	25.62	
			For 4" Or 6" WG (Class A), Add	68.33	
			For 24 Gauge, Add	5.17	
			For 22 Gauge, Add	11.89	
			For 20 Gauge, Add	19.39	
			For 18 Gauge, Add	29.73	
			For 16 Gauge, Add	36.19	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.13	
			For Work In Restricted Working Space, Add	51.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0125 EA 14" x 14" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral .....	234.14	50.77
For 3" WG (Class B), Add	30.50	
For 4" Or 6" WG (Class A), Add	81.34	
For 24 Gauge, Add	6.16	
For 22 Gauge, Add	14.16	
For 20 Gauge, Add	23.09	
For 18 Gauge, Add	35.41	
For 16 Gauge, Add	43.11	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	22.78	
For Work In Restricted Working Space, Add	61.01	
23 31 13 16-0126 EA 16" x 16" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral .....	296.63	65.28
For 3" WG (Class B), Add	39.14	
For 4" Or 6" WG (Class A), Add	104.38	
For 24 Gauge, Add	7.14	
For 22 Gauge, Add	16.42	
For 20 Gauge, Add	26.77	
For 18 Gauge, Add	41.04	
For 16 Gauge, Add	49.97	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	26.41	
For Work In Restricted Working Space, Add	78.28	
23 31 13 16-0127 EA 18" x 18" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral .....	329.51	72.43
For 3" WG (Class B), Add	43.43	
For 4" Or 6" WG (Class A), Add	115.81	
For 24 Gauge, Add	8.00	
For 22 Gauge, Add	18.40	
For 20 Gauge, Add	29.99	
For 18 Gauge, Add	45.99	
For 16 Gauge, Add	55.99	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	29.59	
For Work In Restricted Working Space, Add	86.86	
23 31 13 16-0128 EA 20" x 20" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral .....	374.63	82.44
For 3" WG (Class B), Add	49.37	
For 4" Or 6" WG (Class A), Add	131.64	
For 24 Gauge, Add	9.10	
For 22 Gauge, Add	20.94	
For 20 Gauge, Add	34.14	
For 18 Gauge, Add	52.35	
For 16 Gauge, Add	63.73	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	33.68	
For Work In Restricted Working Space, Add	98.73	
23 31 13 16-0129 EA 22" x 22" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral .....	402.06	87.92
For 3" WG (Class B), Add	52.70	
For 4" Or 6" WG (Class A), Add	140.53	
For 24 Gauge, Add	10.15	
For 22 Gauge, Add	23.34	
For 20 Gauge, Add	38.05	
For 18 Gauge, Add	58.34	
For 16 Gauge, Add	71.02	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	37.54	
For Work In Restricted Working Space, Add	105.40	
23 31 13 16-0130 EA 24" x 24" x 6", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral .....	436.21	95.34
For 3" WG (Class B), Add	57.19	
For 4" Or 6" WG (Class A), Add	152.50	
For 24 Gauge, Add	10.99	
For 22 Gauge, Add	25.29	
For 20 Gauge, Add	41.23	
For 18 Gauge, Add	63.22	
For 16 Gauge, Add	76.96	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	40.68	
For Work In Restricted Working Space, Add	114.37	
23 31 13 16-0131 EA 10" x 10" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral .....	177.04	38.70
For 3" WG (Class B), Add	23.19	
For 4" Or 6" WG (Class A), Add	61.84	
For 24 Gauge, Add	4.49	
For 22 Gauge, Add	10.32	
For 20 Gauge, Add	16.82	
For 18 Gauge, Add	25.79	
For 16 Gauge, Add	31.40	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.60	
For Work In Restricted Working Space, Add	46.38	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0132	EA	12" x 12" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	215.15	47.09
		For 3" WG (Class B), Add	28.19	
		For 4" Or 6" WG (Class A), Add	75.18	
		For 24 Gauge, Add	5.44	
		For 22 Gauge, Add	12.51	
		For 20 Gauge, Add	20.40	
		For 18 Gauge, Add	31.28	
		For 16 Gauge, Add	38.08	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.13	
		For Work In Restricted Working Space, Add	56.39	
23 31 13 16-0133	EA	14" x 14" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	256.09	55.80
		For 3" WG (Class B), Add	33.55	
		For 4" Or 6" WG (Class A), Add	89.47	
		For 24 Gauge, Add	6.48	
		For 22 Gauge, Add	14.91	
		For 20 Gauge, Add	24.32	
		For 18 Gauge, Add	37.28	
		For 16 Gauge, Add	45.39	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	23.99	
		For Work In Restricted Working Space, Add	67.10	
23 31 13 16-0134	EA	16" x 16" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	297.25	65.02
		For 3" WG (Class B), Add	38.95	
		For 4" Or 6" WG (Class A), Add	103.87	
		For 24 Gauge, Add	7.51	
		For 22 Gauge, Add	17.28	
		For 20 Gauge, Add	28.18	
		For 18 Gauge, Add	43.21	
		For 16 Gauge, Add	52.60	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	27.80	
		For Work In Restricted Working Space, Add	77.90	
23 31 13 16-0135	EA	18" x 18" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	332.66	72.70
		For 3" WG (Class B), Add	43.59	
		For 4" Or 6" WG (Class A), Add	116.23	
		For 24 Gauge, Add	8.42	
		For 22 Gauge, Add	19.36	
		For 20 Gauge, Add	31.57	
		For 18 Gauge, Add	48.40	
		For 16 Gauge, Add	58.93	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	31.15	
		For Work In Restricted Working Space, Add	87.17	
23 31 13 16-0136	EA	20" x 20" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	378.37	82.69
		For 3" WG (Class B), Add	49.57	
		For 4" Or 6" WG (Class A), Add	132.18	
		For 24 Gauge, Add	9.58	
		For 22 Gauge, Add	22.04	
		For 20 Gauge, Add	35.93	
		For 18 Gauge, Add	55.10	
		For 16 Gauge, Add	67.07	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	35.45	
		For Work In Restricted Working Space, Add	99.14	
23 31 13 16-0137	EA	22" x 22" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	422.42	92.25
		For 3" WG (Class B), Add	55.35	
		For 4" Or 6" WG (Class A), Add	147.61	
		For 24 Gauge, Add	10.68	
		For 22 Gauge, Add	24.56	
		For 20 Gauge, Add	40.05	
		For 18 Gauge, Add	61.41	
		For 16 Gauge, Add	74.76	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	39.52	
		For Work In Restricted Working Space, Add	110.71	
23 31 13 16-0138	EA	24" x 24" x 8", 26 Gauge, 2" WG And Less (Class C), Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	458.01	100.11
		For 3" WG (Class B), Add	60.02	
		For 4" Or 6" WG (Class A), Add	160.06	
		For 24 Gauge, Add	11.57	
		For 22 Gauge, Add	26.62	
		For 20 Gauge, Add	43.40	
		For 18 Gauge, Add	66.54	
		For 16 Gauge, Add	81.00	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	42.82	
		For Work In Restricted Working Space, Add	120.05	

23 31 13 16-0139 Slip Joint, Galvanized, Spiral Duct Reducers (23 31 13 16-0074)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0140 EA 6" x 4", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	58.50	12.90
For 3" WG (Class B), Add	7.74	
For 4" Or 6" WG (Class A), Add	20.64	
For 24 Gauge, Add	1.38	
For 22 Gauge, Add	3.17	
For 20 Gauge, Add	5.17	
For 18 Gauge, Add	7.92	
For 16 Gauge, Add	9.65	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.10	
For Work In Restricted Working Space, Add	15.48	
23 31 13 16-0141 EA 8" x 6", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	75.48	16.77
For 3" WG (Class B), Add	10.19	
For 4" Or 6" WG (Class A), Add	27.16	
For 24 Gauge, Add	1.52	
For 22 Gauge, Add	3.49	
For 20 Gauge, Add	5.69	
For 18 Gauge, Add	8.72	
For 16 Gauge, Add	10.61	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.61	
For Work In Restricted Working Space, Add	20.37	
23 31 13 16-0142 EA 10" x 8", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	94.40	21.28
For 3" WG (Class B), Add	12.90	
For 4" Or 6" WG (Class A), Add	34.40	
For 24 Gauge, Add	1.68	
For 22 Gauge, Add	3.86	
For 20 Gauge, Add	6.29	
For 18 Gauge, Add	9.65	
For 16 Gauge, Add	11.75	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.21	
For Work In Restricted Working Space, Add	25.80	
23 31 13 16-0143 EA 12" x 10", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	116.71	27.09
For 3" WG (Class B), Add	16.13	
For 4" Or 6" WG (Class A), Add	43.00	
For 24 Gauge, Add	1.84	
For 22 Gauge, Add	4.23	
For 20 Gauge, Add	6.90	
For 18 Gauge, Add	10.58	
For 16 Gauge, Add	12.88	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.81	
For Work In Restricted Working Space, Add	32.25	
23 31 13 16-0144 EA 14" x 12", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	127.52	29.68
For 3" WG (Class B), Add	17.59	
For 4" Or 6" WG (Class A), Add	46.91	
For 24 Gauge, Add	2.05	
For 22 Gauge, Add	4.71	
For 20 Gauge, Add	7.68	
For 18 Gauge, Add	11.78	
For 16 Gauge, Add	14.34	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.58	
For Work In Restricted Working Space, Add	35.18	
23 31 13 16-0145 EA 16" x 14", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	156.43	34.83
For 3" WG (Class B), Add	20.81	
For 4" Or 6" WG (Class A), Add	55.49	
For 24 Gauge, Add	3.54	
For 22 Gauge, Add	8.15	
For 20 Gauge, Add	13.28	
For 18 Gauge, Add	20.37	
For 16 Gauge, Add	24.79	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	13.11	
For Work In Restricted Working Space, Add	41.62	
23 31 13 16-0146 EA 18" x 16", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	190.93	43.22
For 3" WG (Class B), Add	25.80	
For 4" Or 6" WG (Class A), Add	68.80	
For 24 Gauge, Add	3.78	
For 22 Gauge, Add	8.70	
For 20 Gauge, Add	14.19	
For 18 Gauge, Add	21.76	
For 16 Gauge, Add	26.49	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.00	
For Work In Restricted Working Space, Add	51.60	
23 31 13 16-0147 EA 20" x 18", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	228.28	52.25
For 3" WG (Class B), Add	31.21	
For 4" Or 6" WG (Class A), Add	83.24	
For 24 Gauge, Add	4.04	
For 22 Gauge, Add	9.29	
For 20 Gauge, Add	15.14	
For 18 Gauge, Add	23.22	
For 16 Gauge, Add	28.27	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.94	
For Work In Restricted Working Space, Add	62.43	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts And Casings**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0148	EA		22" x 20", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	264.89	60.63
			<i>For 3" WG (Class B), Add</i>	36.51	
			<i>For 4" Or 6" WG (Class A), Add</i>	97.37	
			<i>For 24 Gauge, Add</i>	4.29	
			<i>For 22 Gauge, Add</i>	9.88	
			<i>For 20 Gauge, Add</i>	16.10	
			<i>For 18 Gauge, Add</i>	24.69	
			<i>For 16 Gauge, Add</i>	30.06	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	15.89	
			<i>For Work In Restricted Working Space, Add</i>	73.03	
23 31 13 16-0149	EA		24" x 22", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Reducer.....	297.11	69.03
			<i>For 3" WG (Class B), Add</i>	41.17	
			<i>For 4" Or 6" WG (Class A), Add</i>	109.80	
			<i>For 24 Gauge, Add</i>	4.52	
			<i>For 22 Gauge, Add</i>	10.41	
			<i>For 20 Gauge, Add</i>	16.97	
			<i>For 18 Gauge, Add</i>	26.01	
			<i>For 16 Gauge, Add</i>	31.67	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	16.74	
			<i>For Work In Restricted Working Space, Add</i>	82.35	
<b>23 31 13 16-0150</b>			<b>Slip Joint, Galvanized, Spiral Duct Couplings</b> <small>(23 31 13 16-0074)</small>		
23 31 13 16-0151	EA		4", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	38.13	9.03
			<i>For 3" WG (Class B), Add</i>	5.23	
			<i>For 4" Or 6" WG (Class A), Add</i>	13.95	
			<i>For 24 Gauge, Add</i>	0.65	
			<i>For 22 Gauge, Add</i>	1.50	
			<i>For 20 Gauge, Add</i>	2.45	
			<i>For 18 Gauge, Add</i>	3.75	
			<i>For 16 Gauge, Add</i>	4.56	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	2.41	
			<i>For Work In Restricted Working Space, Add</i>	10.46	
23 31 13 16-0152	EA		6", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	55.31	12.90
			<i>For 3" WG (Class B), Add</i>	7.74	
			<i>For 4" Or 6" WG (Class A), Add</i>	20.64	
			<i>For 24 Gauge, Add</i>	0.74	
			<i>For 22 Gauge, Add</i>	1.70	
			<i>For 20 Gauge, Add</i>	2.78	
			<i>For 18 Gauge, Add</i>	4.26	
			<i>For 16 Gauge, Add</i>	5.18	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	2.74	
			<i>For Work In Restricted Working Space, Add</i>	15.48	
23 31 13 16-0153	EA		8", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	71.89	16.77
			<i>For 3" WG (Class B), Add</i>	10.19	
			<i>For 4" Or 6" WG (Class A), Add</i>	27.16	
			<i>For 24 Gauge, Add</i>	0.80	
			<i>For 22 Gauge, Add</i>	1.84	
			<i>For 20 Gauge, Add</i>	2.99	
			<i>For 18 Gauge, Add</i>	4.59	
			<i>For 16 Gauge, Add</i>	5.59	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	2.95	
			<i>For Work In Restricted Working Space, Add</i>	20.37	
23 31 13 16-0154	EA		10", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	90.29	21.28
			<i>For 3" WG (Class B), Add</i>	12.90	
			<i>For 4" Or 6" WG (Class A), Add</i>	34.40	
			<i>For 24 Gauge, Add</i>	0.86	
			<i>For 22 Gauge, Add</i>	1.97	
			<i>For 20 Gauge, Add</i>	3.21	
			<i>For 18 Gauge, Add</i>	4.92	
			<i>For 16 Gauge, Add</i>	5.99	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.17	
			<i>For Work In Restricted Working Space, Add</i>	25.80	
23 31 13 16-0155	EA		12", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	112.08	27.09
			<i>For 3" WG (Class B), Add</i>	16.13	
			<i>For 4" Or 6" WG (Class A), Add</i>	43.00	
			<i>For 24 Gauge, Add</i>	0.91	
			<i>For 22 Gauge, Add</i>	2.10	
			<i>For 20 Gauge, Add</i>	3.43	
			<i>For 18 Gauge, Add</i>	5.26	
			<i>For 16 Gauge, Add</i>	6.40	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.38	
			<i>For Work In Restricted Working Space, Add</i>	32.25	
23 31 13 16-0156	EA		14", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	122.14	29.68
			<i>For 3" WG (Class B), Add</i>	17.59	
			<i>For 4" Or 6" WG (Class A), Add</i>	46.91	
			<i>For 24 Gauge, Add</i>	0.97	
			<i>For 22 Gauge, Add</i>	2.24	
			<i>For 20 Gauge, Add</i>	3.65	
			<i>For 18 Gauge, Add</i>	5.59	
			<i>For 16 Gauge, Add</i>	6.80	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.60	
			<i>For Work In Restricted Working Space, Add</i>	35.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0157 EA 16", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	144.10	34.83
For 3" WG (Class B), Add	20.81	
For 4" Or 6" WG (Class A), Add	55.49	
For 24 Gauge, Add	1.08	
For 22 Gauge, Add	2.47	
For 20 Gauge, Add	4.04	
For 18 Gauge, Add	6.19	
For 16 Gauge, Add	7.53	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.98	
For Work In Restricted Working Space, Add	41.62	
23 31 13 16-0158 EA 18", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	177.68	43.22
For 3" WG (Class B), Add	25.80	
For 4" Or 6" WG (Class A), Add	68.80	
For 24 Gauge, Add	1.13	
For 22 Gauge, Add	2.61	
For 20 Gauge, Add	4.25	
For 18 Gauge, Add	6.52	
For 16 Gauge, Add	7.94	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.20	
For Work In Restricted Working Space, Add	51.60	
23 31 13 16-0159 EA 20", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	214.11	52.25
For 3" WG (Class B), Add	31.21	
For 4" Or 6" WG (Class A), Add	83.24	
For 24 Gauge, Add	1.20	
For 22 Gauge, Add	2.77	
For 20 Gauge, Add	4.52	
For 18 Gauge, Add	6.92	
For 16 Gauge, Add	8.43	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.45	
For Work In Restricted Working Space, Add	62.43	
23 31 13 16-0160 EA 22", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	249.67	121.91
For 3" WG (Class B), Add	36.51	
For 4" Or 6" WG (Class A), Add	97.37	
For 24 Gauge, Add	1.25	
For 22 Gauge, Add	2.88	
For 20 Gauge, Add	4.69	
For 18 Gauge, Add	7.19	
For 16 Gauge, Add	8.75	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.63	
For Work In Restricted Working Space, Add	73.03	
23 31 13 16-0161 EA 24", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Coupling.....	281.09	137.40
For 3" WG (Class B), Add	41.17	
For 4" Or 6" WG (Class A), Add	109.80	
For 24 Gauge, Add	1.32	
For 22 Gauge, Add	3.04	
For 20 Gauge, Add	4.95	
For 18 Gauge, Add	7.59	
For 16 Gauge, Add	9.24	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.88	
For Work In Restricted Working Space, Add	82.35	
<b>23 31 13 16-0162 Slip Joint, Galvanized, Spiral Duct Caps <small>(23 31 13 16-0074)</small></b>		
23 31 13 16-0163 EA 4", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	21.25	9.03
For 3" WG (Class B), Add	2.61	
For 4" Or 6" WG (Class A), Add	6.97	
For 24 Gauge, Add	0.76	
For 22 Gauge, Add	1.76	
For 20 Gauge, Add	2.87	
For 18 Gauge, Add	4.39	
For 16 Gauge, Add	5.35	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.83	
For Work In Restricted Working Space, Add	5.23	
23 31 13 16-0164 EA 6", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	30.08	12.90
For 3" WG (Class B), Add	3.87	
For 4" Or 6" WG (Class A), Add	10.32	
For 24 Gauge, Add	0.86	
For 22 Gauge, Add	1.97	
For 20 Gauge, Add	3.21	
For 18 Gauge, Add	4.92	
For 16 Gauge, Add	5.99	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.17	
For Work In Restricted Working Space, Add	7.74	
23 31 13 16-0165 EA 8", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	38.64	17.42
For 3" WG (Class B), Add	5.09	
For 4" Or 6" WG (Class A), Add	13.58	
For 24 Gauge, Add	0.94	
For 22 Gauge, Add	2.16	
For 20 Gauge, Add	3.52	
For 18 Gauge, Add	5.39	
For 16 Gauge, Add	6.57	
For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.47	
For Work In Restricted Working Space, Add	10.19	



**23 Heating, Ventilating, And Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts And Casings**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0166	EA		10", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	48.21	21.93
			<i>For 3" WG (Class B), Add</i>	6.45	
			<i>For 4" Or 6" WG (Class A), Add</i>	17.20	
			<i>For 24 Gauge, Add</i>	1.04	
			<i>For 22 Gauge, Add</i>	2.40	
			<i>For 20 Gauge, Add</i>	3.91	
			<i>For 18 Gauge, Add</i>	5.99	
			<i>For 16 Gauge, Add</i>	7.29	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.86	
			<i>For Work In Restricted Working Space, Add</i>	12.90	
23 31 13 16-0167	EA		12", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	59.54	27.09
			<i>For 3" WG (Class B), Add</i>	8.06	
			<i>For 4" Or 6" WG (Class A), Add</i>	21.50	
			<i>For 24 Gauge, Add</i>	1.16	
			<i>For 22 Gauge, Add</i>	2.66	
			<i>For 20 Gauge, Add</i>	4.34	
			<i>For 18 Gauge, Add</i>	6.66	
			<i>For 16 Gauge, Add</i>	8.11	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.28	
			<i>For Work In Restricted Working Space, Add</i>	16.13	
23 31 13 16-0168	EA		14", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	65.01	29.68
			<i>For 3" WG (Class B), Add</i>	8.80	
			<i>For 4" Or 6" WG (Class A), Add</i>	23.46	
			<i>For 24 Gauge, Add</i>	1.27	
			<i>For 22 Gauge, Add</i>	2.93	
			<i>For 20 Gauge, Add</i>	4.77	
			<i>For 18 Gauge, Add</i>	7.31	
			<i>For 16 Gauge, Add</i>	8.90	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.71	
			<i>For Work In Restricted Working Space, Add</i>	17.60	
23 31 13 16-0169	EA		16", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	75.25	34.18
			<i>For 3" WG (Class B), Add</i>	10.19	
			<i>For 4" Or 6" WG (Class A), Add</i>	27.16	
			<i>For 24 Gauge, Add</i>	1.47	
			<i>For 22 Gauge, Add</i>	3.38	
			<i>For 20 Gauge, Add</i>	5.51	
			<i>For 18 Gauge, Add</i>	8.45	
			<i>For 16 Gauge, Add</i>	10.29	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.44	
			<i>For Work In Restricted Working Space, Add</i>	20.37	
23 31 13 16-0170	EA		18", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	110.77	43.22
			<i>For 3" WG (Class B), Add</i>	12.90	
			<i>For 4" Or 6" WG (Class A), Add</i>	34.40	
			<i>For 24 Gauge, Add</i>	4.95	
			<i>For 22 Gauge, Add</i>	11.39	
			<i>For 20 Gauge, Add</i>	18.57	
			<i>For 18 Gauge, Add</i>	28.47	
			<i>For 16 Gauge, Add</i>	34.66	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	18.32	
			<i>For Work In Restricted Working Space, Add</i>	25.80	
23 31 13 16-0171	EA		20", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	134.36	53.54
			<i>For 3" WG (Class B), Add</i>	16.13	
			<i>For 4" Or 6" WG (Class A), Add</i>	43.00	
			<i>For 24 Gauge, Add</i>	5.37	
			<i>For 22 Gauge, Add</i>	12.35	
			<i>For 20 Gauge, Add</i>	20.14	
			<i>For 18 Gauge, Add</i>	30.88	
			<i>For 16 Gauge, Add</i>	37.59	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	19.87	
			<i>For Work In Restricted Working Space, Add</i>	32.25	
23 31 13 16-0172	EA		22", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	146.21	58.70
			<i>For 3" WG (Class B), Add</i>	17.59	
			<i>For 4" Or 6" WG (Class A), Add</i>	46.91	
			<i>For 24 Gauge, Add</i>	5.79	
			<i>For 22 Gauge, Add</i>	13.31	
			<i>For 20 Gauge, Add</i>	21.70	
			<i>For 18 Gauge, Add</i>	33.27	
			<i>For 16 Gauge, Add</i>	40.50	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	21.41	
			<i>For Work In Restricted Working Space, Add</i>	35.18	
23 31 13 16-0173	EA		24", 26 Gauge, 2" WG And Less (Class C), 26 Gauge, Slip Joint, Galvanized, Spiral Duct Cap.....	168.31	68.38
			<i>For 3" WG (Class B), Add</i>	20.59	
			<i>For 4" Or 6" WG (Class A), Add</i>	54.90	
			<i>For 24 Gauge, Add</i>	6.21	
			<i>For 22 Gauge, Add</i>	14.29	
			<i>For 20 Gauge, Add</i>	23.30	
			<i>For 18 Gauge, Add</i>	35.73	
			<i>For 16 Gauge, Add</i>	43.50	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	22.99	
			<i>For Work In Restricted Working Space, Add</i>	41.17	

**23 31 13 19 Metal Duct Fittings** (23 31 13)

23 31 13 19-0001 Sheet Metal Baffles (23 31 13 19)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 19-0002 LF Sheet Metal Baffles Under Raised Floor.....	22.86	18.34
<i>For Work In Restricted Working Space, Add</i>	6.71	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.24	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.47	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.59	
<i>For Elevated Installation &gt;25' To 30', Add</i>	7.82	
<i>For Elevated Installation &gt;30' To 35', Add</i>	8.94	
<i>For Elevated Installation &gt;35' To 40', Add</i>	11.18	
<i>For Elevated Installation &gt;40', Add</i>	12.29	
<b>23 31 13 19-0003 Duct Register Boots <small>(23 31 13 19)</small></b>		
23 31 13 19-0004 EA 10" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel.....	22.42	8.75
<i>For Stainless Steel, Add</i>	6.40	
23 31 13 19-0005 EA 10" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	22.42	8.75
<i>For Stainless Steel, Add</i>	6.40	
23 31 13 19-0006 EA 12" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel.....	23.93	9.46
<i>For Stainless Steel, Add</i>	6.54	
23 31 13 19-0007 EA 12" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	23.93	9.46
<i>For Stainless Steel, Add</i>	6.54	
23 31 13 19-0008 EA 12" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	25.15	9.46
<i>For Stainless Steel, Add</i>	8.13	
23 31 13 19-0009 EA 14" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel.....	25.95	10.15
<i>For Stainless Steel, Add</i>	7.33	
23 31 13 19-0010 EA 14" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	25.95	10.15
<i>For Stainless Steel, Add</i>	7.33	
23 31 13 19-0011 EA 14" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	26.70	10.15
<i>For Stainless Steel, Add</i>	8.31	
23 31 13 19-0012 EA 10" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	26.14	10.86
<i>For Stainless Steel, Add</i>	5.76	
23 31 13 19-0013 EA 12" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	27.67	11.55
<i>For Stainless Steel, Add</i>	5.93	
23 31 13 19-0014 EA 12" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	30.77	11.55
<i>For Stainless Steel, Add</i>	9.96	
23 31 13 19-0015 EA 14" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	29.35	12.25
<i>For Stainless Steel, Add</i>	6.29	
23 31 13 19-0016 EA 14" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	32.38	12.25
<i>For Stainless Steel, Add</i>	10.23	
23 31 13 19-0017 EA 12" x 2-1/4" x 5" Register Boot, Center, Galvanized Steel.....	23.20	9.46
<i>For Stainless Steel, Add</i>	5.59	
23 31 13 19-0018 EA 12" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel.....	23.20	9.46
<i>For Stainless Steel, Add</i>	5.59	
23 31 13 19-0019 EA 14" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel.....	25.10	10.15
<i>For Stainless Steel, Add</i>	6.23	
23 31 13 19-0020 EA 14" x 2-1/4" x 7" Register Boot, Center, Galvanized Steel.....	25.83	10.15
<i>For Stainless Steel, Add</i>	7.18	
23 31 13 19-0021 EA 10" x 4" x 6" Register Boot, Center, Galvanized Steel.....	26.24	10.86
<i>For Stainless Steel, Add</i>	5.89	
23 31 13 19-0022 EA 12" x 4" x 6" Register Boot, Center, Galvanized Steel.....	27.76	11.55
<i>For Stainless Steel, Add</i>	6.05	
23 31 13 19-0023 EA 12" x 2-1/4" x 6" Register Boot, End, Galvanized Steel.....	23.69	9.46
<i>For Stainless Steel, Add</i>	6.23	
23 31 13 19-0024 EA 14" x 2-1/4" x 6" Register Boot, End, Galvanized Steel.....	25.40	10.15
<i>For Stainless Steel, Add</i>	6.62	
23 31 13 19-0025 EA 10" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel.....	22.42	8.75
<i>For Stainless Steel, Add</i>	6.40	
23 31 13 19-0026 EA 12" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel.....	23.93	9.46
<i>For Stainless Steel, Add</i>	6.54	
23 31 13 19-0027 EA 14" x 2-1/4" x 5" Register Boot, Universal, Galvanized Steel.....	25.95	10.15
<i>For Stainless Steel, Add</i>	7.33	
23 31 13 19-0028 EA 14" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel.....	25.95	10.15
<i>For Stainless Steel, Add</i>	7.33	
23 31 13 19-0029 EA 10" x 4" x 6" Register Boot, Universal, Galvanized Steel.....	26.14	10.86
<i>For Stainless Steel, Add</i>	5.76	
23 31 13 19-0030 EA 12" x 4" x 6" Register Boot, Universal, Galvanized Steel.....	27.67	11.55
<i>For Stainless Steel, Add</i>	5.93	
23 31 13 19-0031 EA 12" x 4" x 7" Register Boot, Universal, Galvanized Steel.....	30.77	11.55
<i>For Stainless Steel, Add</i>	9.96	
23 31 13 19-0032 EA 14" x 4" x 7" Register Boot, Universal, Galvanized Steel.....	32.17	12.25
<i>For Stainless Steel, Add</i>	9.96	
<b>23 31 13 23 Galvanized Steel Welded Duct <small>(23 31 13)</small></b>		
Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated.		
23 31 13 23-0001 Welded Steel Ductwork <small>(23 31 13 23)</small>		
Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.		
23 31 13 23-0002 Galvanized Steel Welded Duct, For Kitchen <small>(23 31 13 23-0001)</small>		
Note: Also includes special exhaust systems and waste.		

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13	23-0003	LB	Galvanized Steel Welded Duct .....	13.24	5.56
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	1.55	
			<i>For Work In Restricted Working Space, Add</i>	3.35	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.12	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.23	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.79	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.90	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.46	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	5.58	
			<i>For Elevated Installation &gt;40', Add</i>	6.13	
<b>23 31 13</b>	<b>23-0004</b>		<b>Black Steel Ductwork</b> <small>(23 31 13 23-0001)</small>		
23 31 13 23-0005	LB		Black Steel Ductwork .....	11.93	5.73
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	0.35	
			<i>For Work In Restricted Working Space, Add</i>	3.44	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.15	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.29	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.87	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.01	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.58	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	5.73	
			<i>For Elevated Installation &gt;40', Add</i>	6.30	
<b>23 31 16</b>			<b>Nonmetal Ducts</b> <small>(23 31)</small>		
<b>23 31 16 13</b>			<b>Fibrous-Glass Ducts</b> <small>(23 31 16)</small>		
<b>23 31 16 13-0001</b>			<b>Glass Fiber Duct Board</b> <small>(23 31 16 13)</small>		
			Note: Rigid, rectangular boards faced on one side with a fire-resistant foil-scrim-kraft (FSK) vapor retarder and a lightweight fiber glass mat on the airstream surface.		
23 31 16 13-0002	SF		1" Glass Fiber Duct Board (EI-475) .....	5.88	1.14
23 31 16 13-0003	SF		1-1/2" Glass Fiber Duct Board (EI-800) .....	6.97	1.26
23 31 16 13-0004	SF		2" Glass Fiber Duct Board (EI-800) .....	8.12	1.38
<b>23 31 16 16</b>			<b>Thermoset Fiberglass-Reinforced Plastic Ducts</b> <small>(23 31 16)</small>		
<b>23 31 16 16-0001</b>			<b>Round Fiber Reinforced Plastic Duct</b> <small>(23 31 16 16)</small>		
<b>23 31 16 16-0002</b>			<b>Round Fiber Reinforced Plastic Duct</b> <small>(23 31 16 16-0001)</small>		
23 31 16 16-0003	LF		2" Fiber Reinforced Plastic Duct .....	11.71	3.46
23 31 16 16-0004	LF		3" Fiber Reinforced Plastic Duct .....	14.74	4.04
23 31 16 16-0005	LF		4" Fiber Reinforced Plastic Duct .....	19.85	5.93
23 31 16 16-0006	LF		6" Fiber Reinforced Plastic Duct .....	26.43	7.49
23 31 16 16-0007	LF		8" Fiber Reinforced Plastic Duct .....	33.55	9.39
23 31 16 16-0008	LF		10" Fiber Reinforced Plastic Duct .....	40.47	11.27
23 31 16 16-0009	LF		12" Fiber Reinforced Plastic Duct .....	45.40	13.17
23 31 16 16-0010	LF		14" Fiber Reinforced Plastic Duct .....	52.01	14.41
23 31 16 16-0011	LF		16" Fiber Reinforced Plastic Duct .....	56.28	15.32
23 31 16 16-0012	LF		18" Fiber Reinforced Plastic Duct .....	70.63	17.21
23 31 16 16-0013	LF		20" Fiber Reinforced Plastic Duct .....	74.15	18.45
23 31 16 16-0014	LF		24" Fiber Reinforced Plastic Duct .....	92.50	19.68
23 31 16 16-0015	LF		30" Fiber Reinforced Plastic Duct .....	105.87	22.82
23 31 16 16-0016	LF		36" Fiber Reinforced Plastic Duct .....	121.81	27.51
23 31 16 16-0017	LF		42" Fiber Reinforced Plastic Duct .....	164.98	30.63
23 31 16 16-0018	LF		48" Fiber Reinforced Plastic Duct .....	184.81	34.42
23 31 16 16-0019	LF		54" Fiber Reinforced Plastic Duct .....	204.90	39.44
23 31 16 16-0020	LF		60" Fiber Reinforced Plastic Duct .....	232.12	46.02
23 31 16 16-0021	LF		66" Fiber Reinforced Plastic Duct .....	246.62	56.33
23 31 16 16-0022	LF		72" Fiber Reinforced Plastic Duct .....	300.92	68.84
<b>23 31 16 16-0023</b>			<b>Fiber Reinforced Plastic Bell</b> <small>(23 31 16 16-0001)</small>		
23 31 16 16-0024	EA		2" Fiber Reinforced Plastic Bell .....	47.31	14.02
23 31 16 16-0025	EA		3" Fiber Reinforced Plastic Bell .....	57.35	16.63
23 31 16 16-0026	EA		4" Fiber Reinforced Plastic Bell .....	65.62	19.55
23 31 16 16-0027	EA		6" Fiber Reinforced Plastic Bell .....	85.89	26.08
23 31 16 16-0028	EA		8" Fiber Reinforced Plastic Bell .....	103.75	32.59
23 31 16 16-0029	EA		10" Fiber Reinforced Plastic Bell .....	119.20	39.11
23 31 16 16-0030	EA		12" Fiber Reinforced Plastic Bell .....	147.74	48.56
23 31 16 16-0031	EA		14" Fiber Reinforced Plastic Bell .....	158.42	52.15
23 31 16 16-0032	EA		16" Fiber Reinforced Plastic Bell .....	171.73	55.73
23 31 16 16-0033	EA		18" Fiber Reinforced Plastic Bell .....	185.02	59.98
23 31 16 16-0034	EA		20" Fiber Reinforced Plastic Bell .....	202.69	65.19
23 31 16 16-0035	EA		24" Fiber Reinforced Plastic Bell .....	239.82	71.70
23 31 16 16-0036	EA		30" Fiber Reinforced Plastic Bell .....	284.19	78.23
23 31 16 16-0037	EA		36" Fiber Reinforced Plastic Bell .....	323.03	88.00
23 31 16 16-0038	EA		42" Fiber Reinforced Plastic Bell .....	361.87	97.78
23 31 16 16-0039	EA		48" Fiber Reinforced Plastic Bell .....	400.70	107.56
23 31 16 16-0040	EA		54" Fiber Reinforced Plastic Bell .....	501.77	130.38
23 31 16 16-0041	EA		60" Fiber Reinforced Plastic Bell .....	591.06	162.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0042 EA 66" Fiber Reinforced Plastic Bell.....	709.25	195.56
23 31 16 16-0043 EA 72" Fiber Reinforced Plastic Bell.....	814.50	221.64
<b>23 31 16 16-0044 Fiber Reinforced Plastic Flange (23 31 16 16-0001)</b>		
23 31 16 16-0045 EA 2" Fiber Reinforced Plastic Flange.....	85.87	14.02
23 31 16 16-0046 EA 3" Fiber Reinforced Plastic Flange.....	98.33	16.63
23 31 16 16-0047 EA 4" Fiber Reinforced Plastic Flange.....	111.42	19.55
23 31 16 16-0048 EA 6" Fiber Reinforced Plastic Flange.....	143.74	26.08
23 31 16 16-0049 EA 8" Fiber Reinforced Plastic Flange.....	173.65	32.59
23 31 16 16-0050 EA 10" Fiber Reinforced Plastic Flange.....	203.56	39.11
23 31 16 16-0051 EA 12" Fiber Reinforced Plastic Flange.....	236.92	48.56
23 31 16 16-0052 EA 14" Fiber Reinforced Plastic Flange.....	266.88	52.15
23 31 16 16-0053 EA 16" Fiber Reinforced Plastic Flange.....	292.23	55.73
23 31 16 16-0054 EA 18" Fiber Reinforced Plastic Flange.....	310.35	59.98
23 31 16 16-0055 EA 20" Fiber Reinforced Plastic Flange.....	323.20	65.19
23 31 16 16-0056 EA 24" Fiber Reinforced Plastic Flange.....	384.43	71.70
23 31 16 16-0057 EA 30" Fiber Reinforced Plastic Flange.....	423.98	78.23
23 31 16 16-0058 EA 36" Fiber Reinforced Plastic Flange.....	532.72	88.00
23 31 16 16-0059 EA 42" Fiber Reinforced Plastic Flange.....	593.25	97.78
23 31 16 16-0060 EA 48" Fiber Reinforced Plastic Flange.....	677.87	107.56
23 31 16 16-0061 EA 54" Fiber Reinforced Plastic Flange.....	790.99	130.38
23 31 16 16-0062 EA 60" Fiber Reinforced Plastic Flange.....	935.72	162.97
23 31 16 16-0063 EA 66" Fiber Reinforced Plastic Flange.....	1,080.42	195.56
23 31 16 16-0064 EA 72" Fiber Reinforced Plastic Flange.....	1,238.70	221.64
<b>23 31 16 16-0065 Fiber Reinforced Plastic 90 Degree Elbow (23 31 16 16-0001)</b>		
23 31 16 16-0066 EA 2" Fiber Reinforced Plastic 90 Degree Elbow .....	135.87	33.77
23 31 16 16-0067 EA 3" Fiber Reinforced Plastic 90 Degree Elbow .....	158.87	40.35
23 31 16 16-0068 EA 4" Fiber Reinforced Plastic 90 Degree Elbow .....	184.27	46.94
23 31 16 16-0069 EA 6" Fiber Reinforced Plastic 90 Degree Elbow .....	236.86	62.58
23 31 16 16-0070 EA 8" Fiber Reinforced Plastic 90 Degree Elbow .....	289.45	78.23
23 31 16 16-0071 EA 10" Fiber Reinforced Plastic 90 Degree Elbow .....	342.05	93.87
23 31 16 16-0072 EA 12" Fiber Reinforced Plastic 90 Degree Elbow .....	418.69	116.75
23 31 16 16-0073 EA 14" Fiber Reinforced Plastic 90 Degree Elbow .....	483.18	123.59
23 31 16 16-0074 EA 16" Fiber Reinforced Plastic 90 Degree Elbow .....	556.34	134.22
23 31 16 16-0075 EA 18" Fiber Reinforced Plastic 90 Degree Elbow .....	678.57	143.93
23 31 16 16-0076 EA 20" Fiber Reinforced Plastic 90 Degree Elbow .....	791.03	156.45
23 31 16 16-0077 EA 24" Fiber Reinforced Plastic 90 Degree Elbow .....	925.57	172.10
23 31 16 16-0078 EA 30" Fiber Reinforced Plastic 90 Degree Elbow .....	1,289.05	187.75
23 31 16 16-0079 EA 36" Fiber Reinforced Plastic 90 Degree Elbow .....	1,677.67	211.21
23 31 16 16-0080 EA 42" Fiber Reinforced Plastic 90 Degree Elbow .....	2,247.04	234.75
23 31 16 16-0081 EA 48" Fiber Reinforced Plastic 90 Degree Elbow .....	2,683.88	258.21
23 31 16 16-0082 EA 54" Fiber Reinforced Plastic 90 Degree Elbow .....	3,172.72	312.90
23 31 16 16-0083 EA 60" Fiber Reinforced Plastic 90 Degree Elbow .....	3,833.34	391.13
23 31 16 16-0084 EA 66" Fiber Reinforced Plastic 90 Degree Elbow .....	4,493.71	469.22
23 31 16 16-0085 EA 72" Fiber Reinforced Plastic 90 Degree Elbow .....	5,128.14	531.74
<b>23 31 16 16-0086 Fiber Reinforced Plastic 45 Degree Elbow (23 31 16 16-0001)</b>		
23 31 16 16-0087 EA 2" Fiber Reinforced Plastic 45 Degree Elbow .....	109.34	33.77
23 31 16 16-0088 EA 3" Fiber Reinforced Plastic 45 Degree Elbow .....	127.54	40.35
23 31 16 16-0089 EA 4" Fiber Reinforced Plastic 45 Degree Elbow .....	148.11	46.94
23 31 16 16-0090 EA 6" Fiber Reinforced Plastic 45 Degree Elbow .....	183.84	62.58
23 31 16 16-0091 EA 8" Fiber Reinforced Plastic 45 Degree Elbow .....	219.56	78.23
23 31 16 16-0092 EA 10" Fiber Reinforced Plastic 45 Degree Elbow .....	260.15	93.87
23 31 16 16-0093 EA 12" Fiber Reinforced Plastic 45 Degree Elbow .....	319.92	116.75
23 31 16 16-0094 EA 14" Fiber Reinforced Plastic 45 Degree Elbow .....	350.57	123.59
23 31 16 16-0095 EA 16" Fiber Reinforced Plastic 45 Degree Elbow .....	430.89	134.15
23 31 16 16-0096 EA 18" Fiber Reinforced Plastic 45 Degree Elbow .....	505.21	144.06
23 31 16 16-0097 EA 20" Fiber Reinforced Plastic 45 Degree Elbow .....	593.36	156.45
23 31 16 16-0098 EA 24" Fiber Reinforced Plastic 45 Degree Elbow .....	691.48	171.97
23 31 16 16-0099 EA 30" Fiber Reinforced Plastic 45 Degree Elbow .....	903.18	187.62
23 31 16 16-0100 EA 36" Fiber Reinforced Plastic 45 Degree Elbow .....	1,121.22	211.40
23 31 16 16-0101 EA 42" Fiber Reinforced Plastic 45 Degree Elbow .....	1,459.19	234.88
23 31 16 16-0102 EA 48" Fiber Reinforced Plastic 45 Degree Elbow .....	1,731.85	258.21
23 31 16 16-0103 EA 54" Fiber Reinforced Plastic 45 Degree Elbow .....	2,059.21	312.90
23 31 16 16-0104 EA 60" Fiber Reinforced Plastic 45 Degree Elbow .....	2,454.71	391.13
23 31 16 16-0105 EA 66" Fiber Reinforced Plastic 45 Degree Elbow .....	2,877.38	468.31
23 31 16 16-0106 EA 72" Fiber Reinforced Plastic 45 Degree Elbow .....	3,249.15	532.26
<b>23 31 16 16-0107 Fiber Reinforced Plastic Tee (23 31 16 16-0001)</b>		
23 31 16 16-0108 EA 2" Fiber Reinforced Plastic Tee .....	168.33	50.39
23 31 16 16-0109 EA 3" Fiber Reinforced Plastic Tee .....	197.58	60.69
23 31 16 16-0110 EA 4" Fiber Reinforced Plastic Tee .....	225.79	70.40
23 31 16 16-0111 EA 6" Fiber Reinforced Plastic Tee .....	289.02	93.87
23 31 16 16-0112 EA 8" Fiber Reinforced Plastic Tee .....	351.20	116.75
23 31 16 16-0113 EA 10" Fiber Reinforced Plastic Tee .....	416.47	141.46

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts And Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0114	EA		12" Fiber Reinforced Plastic Tee .....	502.68	171.44
23 31 16 16-0115	EA		14" Fiber Reinforced Plastic Tee .....	550.26	185.53
23 31 16 16-0116	EA		16" Fiber Reinforced Plastic Tee .....	649.21	201.56
23 31 16 16-0117	EA		18" Fiber Reinforced Plastic Tee .....	745.46	215.90
23 31 16 16-0118	EA		20" Fiber Reinforced Plastic Tee .....	873.23	234.75
23 31 16 16-0119	EA		24" Fiber Reinforced Plastic Tee .....	1,008.79	258.21
23 31 16 16-0120	EA		30" Fiber Reinforced Plastic Tee .....	1,228.46	281.54
23 31 16 16-0121	EA		36" Fiber Reinforced Plastic Tee .....	1,492.35	316.95
23 31 16 16-0122	EA		42" Fiber Reinforced Plastic Tee .....	2,032.97	352.15
23 31 16 16-0123	EA		48" Fiber Reinforced Plastic Tee .....	2,453.33	387.41
23 31 16 16-0124	EA		54" Fiber Reinforced Plastic Tee .....	2,951.94	469.68
23 31 16 16-0125	EA		60" Fiber Reinforced Plastic Tee .....	3,508.92	586.96
23 31 16 16-0126	EA		66" Fiber Reinforced Plastic Tee .....	4,065.54	703.97
23 31 16 16-0127	EA		72" Fiber Reinforced Plastic Tee .....	4,584.14	798.23
<b>23 31 16 16-0128 Fiber Reinforced Plastic Lateral Joint (23 31 16 16-0001)</b>					
23 31 16 16-0129	EA		2" Fiber Reinforced Plastic Lateral Joint .....	132.16	50.39
23 31 16 16-0130	EA		3" Fiber Reinforced Plastic Lateral Joint .....	154.17	60.69
23 31 16 16-0131	EA		4" Fiber Reinforced Plastic Lateral Joint .....	175.19	70.40
23 31 16 16-0132	EA		6" Fiber Reinforced Plastic Lateral Joint .....	219.18	93.87
23 31 16 16-0133	EA		8" Fiber Reinforced Plastic Lateral Joint .....	262.08	116.75
23 31 16 16-0134	EA		10" Fiber Reinforced Plastic Lateral Joint .....	312.87	141.46
23 31 16 16-0135	EA		12" Fiber Reinforced Plastic Lateral Joint .....	372.68	171.57
23 31 16 16-0136	EA		14" Fiber Reinforced Plastic Lateral Joint .....	405.36	185.40
23 31 16 16-0137	EA		16" Fiber Reinforced Plastic Lateral Joint .....	446.90	201.63
23 31 16 16-0138	EA		18" Fiber Reinforced Plastic Lateral Joint .....	485.49	216.10
23 31 16 16-0139	EA		20" Fiber Reinforced Plastic Lateral Joint .....	531.26	234.88
23 31 16 16-0140	EA		24" Fiber Reinforced Plastic Lateral Joint .....	589.41	258.21
23 31 16 16-0141	EA		30" Fiber Reinforced Plastic Lateral Joint .....	654.57	281.41
23 31 16 16-0142	EA		36" Fiber Reinforced Plastic Lateral Joint .....	740.03	316.75
23 31 16 16-0143	EA		42" Fiber Reinforced Plastic Lateral Joint .....	828.30	352.34
23 31 16 16-0144	EA		48" Fiber Reinforced Plastic Lateral Joint .....	910.55	387.28
23 31 16 16-0145	EA		54" Fiber Reinforced Plastic Lateral Joint .....	1,081.79	468.31
23 31 16 16-0146	EA		60" Fiber Reinforced Plastic Lateral Joint .....	1,305.35	587.99
23 31 16 16-0147	EA		66" Fiber Reinforced Plastic Lateral Joint .....	1,583.86	704.49
23 31 16 16-0148	EA		72" Fiber Reinforced Plastic Lateral Joint .....	1,764.21	798.23
<b>23 31 16 16-0149 Fiber Reinforced Plastic One Piece Reducer (23 31 16 16-0001)</b>					
23 31 16 16-0150	EA		2" Fiber Reinforced Plastic One Piece Reducer .....	119.02	33.83
23 31 16 16-0151	EA		3" Fiber Reinforced Plastic One Piece Reducer .....	139.62	40.42
23 31 16 16-0152	EA		4" Fiber Reinforced Plastic One Piece Reducer .....	165.03	46.94
23 31 16 16-0153	EA		6" Fiber Reinforced Plastic One Piece Reducer .....	210.35	62.58
23 31 16 16-0154	EA		8" Fiber Reinforced Plastic One Piece Reducer .....	250.89	78.23
23 31 16 16-0155	EA		10" Fiber Reinforced Plastic One Piece Reducer .....	301.69	94.26
23 31 16 16-0156	EA		12" Fiber Reinforced Plastic One Piece Reducer .....	353.66	116.75
23 31 16 16-0157	EA		14" Fiber Reinforced Plastic One Piece Reducer .....	379.49	123.59
23 31 16 16-0158	EA		16" Fiber Reinforced Plastic One Piece Reducer .....	421.25	134.15
23 31 16 16-0159	EA		18" Fiber Reinforced Plastic One Piece Reducer .....	466.65	144.06
23 31 16 16-0160	EA		20" Fiber Reinforced Plastic One Piece Reducer .....	525.87	156.45
23 31 16 16-0161	EA		24" Fiber Reinforced Plastic One Piece Reducer .....	605.32	172.29
23 31 16 16-0162	EA		30" Fiber Reinforced Plastic One Piece Reducer .....	684.58	188.07
23 31 16 16-0163	EA		36" Fiber Reinforced Plastic One Piece Reducer .....	776.57	211.40
23 31 16 16-0164	EA		42" Fiber Reinforced Plastic One Piece Reducer .....	868.69	234.88
23 31 16 16-0165	EA		48" Fiber Reinforced Plastic One Piece Reducer .....	984.69	258.21
23 31 16 16-0166	EA		54" Fiber Reinforced Plastic One Piece Reducer .....	1,160.20	312.90
23 31 16 16-0167	EA		60" Fiber Reinforced Plastic One Piece Reducer .....	1,367.71	391.13
23 31 16 16-0168	EA		66" Fiber Reinforced Plastic One Piece Reducer .....	1,503.57	468.31
23 31 16 16-0169	EA		72" Fiber Reinforced Plastic One Piece Reducer .....	1,682.52	532.26
<b>23 31 16 16-0170 Fiber Reinforced Plastic Two Piece Reducer (23 31 16 16-0001)</b>					
23 31 16 16-0171	EA		2" Fiber Reinforced Plastic Two Piece Reducer .....	147.94	33.83
23 31 16 16-0172	EA		3" Fiber Reinforced Plastic Two Piece Reducer .....	158.90	40.42
23 31 16 16-0173	EA		4" Fiber Reinforced Plastic Two Piece Reducer .....	184.31	46.94
23 31 16 16-0174	EA		6" Fiber Reinforced Plastic Two Piece Reducer .....	236.86	62.58
23 31 16 16-0175	EA		8" Fiber Reinforced Plastic Two Piece Reducer .....	289.45	78.23
23 31 16 16-0176	EA		10" Fiber Reinforced Plastic Two Piece Reducer .....	342.67	94.26
23 31 16 16-0177	EA		12" Fiber Reinforced Plastic Two Piece Reducer .....	406.69	116.75
23 31 16 16-0178	EA		14" Fiber Reinforced Plastic Two Piece Reducer .....	446.98	123.59
23 31 16 16-0179	EA		16" Fiber Reinforced Plastic Two Piece Reducer .....	488.73	134.15
23 31 16 16-0180	EA		18" Fiber Reinforced Plastic Two Piece Reducer .....	558.24	144.06
23 31 16 16-0181	EA		20" Fiber Reinforced Plastic Two Piece Reducer .....	728.33	156.45
23 31 16 16-0182	EA		24" Fiber Reinforced Plastic Two Piece Reducer .....	901.77	172.29
23 31 16 16-0183	EA		30" Fiber Reinforced Plastic Two Piece Reducer .....	964.16	188.07
23 31 16 16-0184	EA		36" Fiber Reinforced Plastic Two Piece Reducer .....	1,099.53	211.40
23 31 16 16-0185	EA		42" Fiber Reinforced Plastic Two Piece Reducer .....	1,186.84	234.88
23 31 16 16-0186	EA		48" Fiber Reinforced Plastic Two Piece Reducer .....	1,298.01	258.21
23 31 16 16-0187	EA		54" Fiber Reinforced Plastic Two Piece Reducer .....	1,413.27	312.90
23 31 16 16-0188	EA		60" Fiber Reinforced Plastic Two Piece Reducer .....	1,606.32	391.13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0189 EA 66" Fiber Reinforced Plastic Two Piece Reducer .....	1,768.69	468.31
23 31 16 16-0190 EA 72" Fiber Reinforced Plastic Two Piece Reducer .....	1,923.54	532.26
<b>23 31 16 16-0191 Fiber Reinforced Plastic Butterfly Dampers (23 31 16 16-0001)</b>		
23 31 16 16-0192 EA 2" Fiber Reinforced Plastic Damper.....	285.29	33.77
23 31 16 16-0193 EA 3" Fiber Reinforced Plastic Damper.....	320.35	40.35
23 31 16 16-0194 EA 4" Fiber Reinforced Plastic Damper.....	355.39	46.94
23 31 16 16-0195 EA 6" Fiber Reinforced Plastic Damper.....	417.63	62.58
23 31 16 16-0196 EA 8" Fiber Reinforced Plastic Damper.....	491.91	78.23
23 31 16 16-0197 EA 10" Fiber Reinforced Plastic Damper.....	554.14	93.87
23 31 16 16-0198 EA 12" Fiber Reinforced Plastic Damper.....	628.38	116.75
23 31 16 16-0199 EA 14" Fiber Reinforced Plastic Damper.....	700.10	123.59
23 31 16 16-0200 EA 16" Fiber Reinforced Plastic Damper.....	778.08	134.22
23 31 16 16-0201 EA 18" Fiber Reinforced Plastic Damper.....	854.51	143.93
23 31 16 16-0202 EA 20" Fiber Reinforced Plastic Damper.....	911.54	156.45
23 31 16 16-0203 EA 24" Fiber Reinforced Plastic Damper.....	1,034.03	172.10
23 31 16 16-0204 EA 30" Fiber Reinforced Plastic Damper.....	1,204.69	187.75
23 31 16 16-0205 EA 36" Fiber Reinforced Plastic Damper.....	1,388.45	211.21
23 31 16 16-0206 EA 42" Fiber Reinforced Plastic Damper.....	1,596.29	234.75
23 31 16 16-0207 EA 48" Fiber Reinforced Plastic Damper.....	1,780.05	258.21
23 31 16 16-0208 EA 54" Fiber Reinforced Plastic Damper.....	2,088.13	312.90
23 31 16 16-0209 EA 60" Fiber Reinforced Plastic Damper.....	2,435.43	391.13
23 31 16 16-0210 EA 66" Fiber Reinforced Plastic Damper.....	2,758.36	469.22
23 31 16 16-0211 EA 72" Fiber Reinforced Plastic Damper.....	3,175.88	531.74

**23 33 Air Duct Accessories (23 30)****23 33 13 Dampers (23 33)****23 33 13 13 Volume-Control Dampers (23 33 13)****23 33 13 13-0001 Radial Opposed Blade Damper Steel Construction (23 33 13 13)**

23 33 13 13-0002 EA 6" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated .....	38.32	5.61
For Stainless Steel, Add	21.55	
For Parallel Blade Damper, Add	6.63	
23 33 13 13-0003 EA 7" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated .....	42.03	6.30
For Stainless Steel, Add	21.87	
For Parallel Blade Damper, Add	6.73	
23 33 13 13-0004 EA 8" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated .....	46.30	7.01
For Stainless Steel, Add	22.09	
For Parallel Blade Damper, Add	6.80	
23 33 13 13-0005 EA 10" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated .....	50.38	8.40
For Stainless Steel, Add	23.48	
For Parallel Blade Damper, Add	7.22	
23 33 13 13-0006 EA 12" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated .....	55.13	9.10
For Stainless Steel, Add	24.86	
For Parallel Blade Damper, Add	7.65	
23 33 13 13-0007 EA 14" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated .....	63.82	9.80
For Stainless Steel, Add	31.76	
For Parallel Blade Damper, Add	9.77	
23 33 13 13-0008 EA 15" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated .....	70.02	10.51
For Stainless Steel, Add	34.52	
For Parallel Blade Damper, Add	10.62	
23 33 13 13-0009 EA 16" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated .....	74.29	11.91
For Stainless Steel, Add	35.89	
For Parallel Blade Damper, Add	11.04	
23 33 13 13-0010 EA 18" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated .....	81.22	12.60
For Stainless Steel, Add	40.04	
For Parallel Blade Damper, Add	12.32	
23 33 13 13-0011 EA 20" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated .....	93.05	14.00
For Stainless Steel, Add	49.71	
For Parallel Blade Damper, Add	15.30	
23 33 13 13-0012 EA 24" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated .....	100.84	14.00
For Stainless Steel, Add	56.60	
For Parallel Blade Damper, Add	17.42	
23 33 13 13-0013 EA 30" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated .....	114.01	16.11
For Stainless Steel, Add	66.27	
For Parallel Blade Damper, Add	20.39	
23 33 13 13-0014 EA 36" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated .....	121.89	16.81
For Stainless Steel, Add	72.22	
For Parallel Blade Damper, Add	22.22	

**23 33 13 13-0015 Rectangular Opposed Blade Damper (23 33 13 13)**

23 33 13 13-0016 EA 6" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	61.95	7.77
For Stainless Steel, Add	50.22	
For Parallel Blade Damper, Add	15.45	
23 33 13 13-0017 EA 8" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	65.75	8.12
For Stainless Steel, Add	53.78	
For Parallel Blade Damper, Add	16.55	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0018	EA		8" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	68.65	8.19
			<i>For Stainless Steel, Add</i>	57.37	
			<i>For Parallel Blade Damper, Add</i>	17.65	
23 33 13 13-0019	EA		10" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	68.65	8.19
			<i>For Stainless Steel, Add</i>	57.37	
			<i>For Parallel Blade Damper, Add</i>	17.65	
23 33 13 13-0020	EA		10" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	72.12	8.41
			<i>For Stainless Steel, Add</i>	60.97	
			<i>For Parallel Blade Damper, Add</i>	18.76	
23 33 13 13-0021	EA		10" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	80.42	9.31
			<i>For Stainless Steel, Add</i>	68.12	
			<i>For Parallel Blade Damper, Add</i>	20.96	
23 33 13 13-0022	EA		12" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	72.12	8.41
			<i>For Stainless Steel, Add</i>	60.97	
			<i>For Parallel Blade Damper, Add</i>	18.76	
23 33 13 13-0023	EA		12" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	79.02	8.90
			<i>For Stainless Steel, Add</i>	68.12	
			<i>For Parallel Blade Damper, Add</i>	20.96	
23 33 13 13-0024	EA		12" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	83.20	9.31
			<i>For Stainless Steel, Add</i>	71.73	
			<i>For Parallel Blade Damper, Add</i>	22.07	
23 33 13 13-0025	EA		12" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	89.47	10.51
			<i>For Stainless Steel, Add</i>	75.32	
			<i>For Parallel Blade Damper, Add</i>	23.18	
23 33 13 13-0026	EA		14" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	77.66	8.90
			<i>For Stainless Steel, Add</i>	66.35	
			<i>For Parallel Blade Damper, Add</i>	20.42	
23 33 13 13-0027	EA		14" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	83.20	9.31
			<i>For Stainless Steel, Add</i>	71.73	
			<i>For Parallel Blade Damper, Add</i>	22.07	
23 33 13 13-0028	EA		14" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	87.36	9.81
			<i>For Stainless Steel, Add</i>	75.32	
			<i>For Parallel Blade Damper, Add</i>	23.18	
23 33 13 13-0029	EA		14" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	92.23	10.51
			<i>For Stainless Steel, Add</i>	78.91	
			<i>For Parallel Blade Damper, Add</i>	24.28	
23 33 13 13-0030	EA		14" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	102.61	11.70
			<i>For Stainless Steel, Add</i>	87.87	
			<i>For Parallel Blade Damper, Add</i>	27.04	
23 33 13 13-0031	EA		16" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	83.20	9.31
			<i>For Stainless Steel, Add</i>	71.73	
			<i>For Parallel Blade Damper, Add</i>	22.07	
23 33 13 13-0032	EA		16" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	88.07	10.02
			<i>For Stainless Steel, Add</i>	75.32	
			<i>For Parallel Blade Damper, Add</i>	23.18	
23 33 13 13-0033	EA		16" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	93.63	11.00
			<i>For Stainless Steel, Add</i>	78.91	
			<i>For Parallel Blade Damper, Add</i>	24.28	
23 33 13 13-0034	EA		16" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	98.47	11.70
			<i>For Stainless Steel, Add</i>	82.49	
			<i>For Parallel Blade Damper, Add</i>	25.38	
23 33 13 13-0035	EA		16" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	108.90	12.82
			<i>For Stainless Steel, Add</i>	91.48	
			<i>For Parallel Blade Damper, Add</i>	28.15	
23 33 13 13-0036	EA		16" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	119.29	14.01
			<i>For Stainless Steel, Add</i>	100.44	
			<i>For Parallel Blade Damper, Add</i>	30.90	
23 33 13 13-0037	EA		18" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	87.36	9.81
			<i>For Stainless Steel, Add</i>	75.32	
			<i>For Parallel Blade Damper, Add</i>	23.18	
23 33 13 13-0038	EA		18" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	93.60	10.51
			<i>For Stainless Steel, Add</i>	80.69	
			<i>For Parallel Blade Damper, Add</i>	24.83	
23 33 13 13-0039	EA		18" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	101.25	11.70
			<i>For Stainless Steel, Add</i>	86.10	
			<i>For Parallel Blade Damper, Add</i>	26.49	
23 33 13 13-0040	EA		18" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	111.66	12.82
			<i>For Stainless Steel, Add</i>	95.07	
			<i>For Parallel Blade Damper, Add</i>	29.25	
23 33 13 13-0041	EA		18" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	120.67	14.01
			<i>For Stainless Steel, Add</i>	102.23	
			<i>For Parallel Blade Damper, Add</i>	31.46	
23 33 13 13-0042	EA		18" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	131.06	15.13
			<i>For Stainless Steel, Add</i>	111.18	
			<i>For Parallel Blade Damper, Add</i>	34.21	
23 33 13 13-0043	EA		18" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	138.70	16.32
			<i>For Stainless Steel, Add</i>	116.57	
			<i>For Parallel Blade Damper, Add</i>	35.87	
23 33 13 13-0044	EA		20" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	92.23	10.51
			<i>For Stainless Steel, Add</i>	78.91	
			<i>For Parallel Blade Damper, Add</i>	24.28	
23 33 13 13-0045	EA		20" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	101.23	11.70
			<i>For Stainless Steel, Add</i>	86.07	
			<i>For Parallel Blade Damper, Add</i>	26.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0046 EA 20" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	110.26	12.82
For Stainless Steel, Add	93.25	
For Parallel Blade Damper, Add	28.69	
23 33 13 13-0047 EA 20" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	124.81	14.01
For Stainless Steel, Add	107.61	
For Parallel Blade Damper, Add	33.11	
23 33 13 13-0048 EA 20" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	132.46	15.13
For Stainless Steel, Add	113.00	
For Parallel Blade Damper, Add	34.77	
23 33 13 13-0049 EA 20" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	140.10	16.32
For Stainless Steel, Add	118.39	
For Parallel Blade Damper, Add	36.43	
23 33 13 13-0050 EA 20" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	149.11	17.52
For Stainless Steel, Add	125.54	
For Parallel Blade Damper, Add	38.63	
23 33 13 13-0051 EA 20" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	158.12	18.64
For Stainless Steel, Add	132.70	
For Parallel Blade Damper, Add	40.83	
23 33 13 13-0052 EA 24" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	103.99	11.70
For Stainless Steel, Add	89.66	
For Parallel Blade Damper, Add	27.59	
23 33 13 13-0053 EA 24" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	115.79	12.82
For Stainless Steel, Add	100.44	
For Parallel Blade Damper, Add	30.90	
23 33 13 13-0054 EA 24" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	124.81	14.01
For Stainless Steel, Add	107.61	
For Parallel Blade Damper, Add	33.11	
23 33 13 13-0055 EA 24" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	136.61	15.13
For Stainless Steel, Add	118.39	
For Parallel Blade Damper, Add	36.43	
23 33 13 13-0056 EA 24" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	144.22	16.32
For Stainless Steel, Add	123.75	
For Parallel Blade Damper, Add	38.08	
23 33 13 13-0057 EA 24" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	151.87	17.52
For Stainless Steel, Add	129.13	
For Parallel Blade Damper, Add	39.73	
23 33 13 13-0058 EA 24" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	163.64	18.64
For Stainless Steel, Add	139.88	
For Parallel Blade Damper, Add	43.04	
23 33 13 13-0059 EA 24" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	178.91	21.01
For Stainless Steel, Add	150.63	
For Parallel Blade Damper, Add	46.35	
23 33 13 13-0060 EA 24" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	196.98	23.32
For Stainless Steel, Add	165.01	
For Parallel Blade Damper, Add	50.77	
23 33 13 13-0061 EA 28" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	115.79	12.82
For Stainless Steel, Add	100.44	
For Parallel Blade Damper, Add	30.90	
23 33 13 13-0062 EA 28" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	124.81	14.01
For Stainless Steel, Add	107.61	
For Parallel Blade Damper, Add	33.11	
23 33 13 13-0063 EA 28" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	136.61	15.13
For Stainless Steel, Add	118.39	
For Parallel Blade Damper, Add	36.43	
23 33 13 13-0064 EA 28" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	145.60	16.32
For Stainless Steel, Add	125.54	
For Parallel Blade Damper, Add	38.63	
23 33 13 13-0065 EA 28" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	156.00	17.52
For Stainless Steel, Add	134.50	
For Parallel Blade Damper, Add	41.38	
23 33 13 13-0066 EA 28" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	166.38	18.64
For Stainless Steel, Add	143.44	
For Parallel Blade Damper, Add	44.14	
23 33 13 13-0067 EA 28" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	181.67	21.01
For Stainless Steel, Add	154.22	
For Parallel Blade Damper, Add	47.45	
23 33 13 13-0068 EA 28" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	196.98	23.32
For Stainless Steel, Add	165.01	
For Parallel Blade Damper, Add	50.77	
23 33 13 13-0069 EA 28" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	217.03	24.52
For Stainless Steel, Add	186.51	
For Parallel Blade Damper, Add	57.39	
23 33 13 13-0070 EA 28" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	237.82	26.83
For Stainless Steel, Add	204.44	
For Parallel Blade Damper, Add	62.90	
23 33 13 13-0071 EA 32" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	133.10	14.01
For Stainless Steel, Add	118.39	
For Parallel Blade Damper, Add	36.43	
23 33 13 13-0072 EA 32" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	139.35	15.13
For Stainless Steel, Add	121.95	
For Parallel Blade Damper, Add	37.52	
23 33 13 13-0073 EA 32" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	145.60	16.32
For Stainless Steel, Add	125.54	
For Parallel Blade Damper, Add	38.63	



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0074 EA 32" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	154.62	17.52
For Stainless Steel, Add	132.70	
For Parallel Blade Damper, Add	40.83	
23 33 13 13-0075 EA 32" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	166.92	18.64
For Stainless Steel, Add	144.14	
For Parallel Blade Damper, Add	44.35	
23 33 13 13-0076 EA 32" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	181.67	21.01
For Stainless Steel, Add	154.22	
For Parallel Blade Damper, Add	47.45	
23 33 13 13-0077 EA 32" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	199.75	23.32
For Stainless Steel, Add	168.61	
For Parallel Blade Damper, Add	51.88	
23 33 13 13-0078 EA 32" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	217.77	25.64
For Stainless Steel, Add	182.94	
For Parallel Blade Damper, Add	56.29	
23 33 13 13-0079 EA 32" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	237.82	26.83
For Stainless Steel, Add	204.44	
For Parallel Blade Damper, Add	62.90	
23 33 13 13-0080 EA 32" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	262.75	28.72
For Stainless Steel, Add	229.57	
For Parallel Blade Damper, Add	70.64	
23 33 13 13-0081 EA 32" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	289.73	30.33
For Stainless Steel, Add	258.27	
For Parallel Blade Damper, Add	79.47	
23 33 13 13-0082 EA 36" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	144.87	15.13
For Stainless Steel, Add	129.13	
For Parallel Blade Damper, Add	39.73	
23 33 13 13-0083 EA 36" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	153.87	16.32
For Stainless Steel, Add	136.29	
For Parallel Blade Damper, Add	41.94	
23 33 13 13-0084 EA 36" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	162.88	17.52
For Stainless Steel, Add	143.44	
For Parallel Blade Damper, Add	44.14	
23 33 13 13-0085 EA 36" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	174.67	18.64
For Stainless Steel, Add	154.22	
For Parallel Blade Damper, Add	47.45	
23 33 13 13-0086 EA 36" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	185.83	21.01
For Stainless Steel, Add	159.63	
For Parallel Blade Damper, Add	49.12	
23 33 13 13-0087 EA 36" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	193.48	22.13
For Stainless Steel, Add	165.01	
For Parallel Blade Damper, Add	50.77	
23 33 13 13-0088 EA 36" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	217.77	25.64
For Stainless Steel, Add	182.94	
For Parallel Blade Damper, Add	56.29	
23 33 13 13-0089 EA 36" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	238.55	28.02
For Stainless Steel, Add	200.84	
For Parallel Blade Damper, Add	61.80	
23 33 13 13-0090 EA 36" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	257.93	28.93
For Stainless Steel, Add	222.39	
For Parallel Blade Damper, Add	68.43	
23 33 13 13-0091 EA 36" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	286.29	31.03
For Stainless Steel, Add	251.06	
For Parallel Blade Damper, Add	77.25	
23 33 13 13-0092 EA 36" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	310.51	32.65
For Stainless Steel, Add	276.17	
For Parallel Blade Damper, Add	84.98	
23 33 13 13-0093 EA 36" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	336.09	33.83
For Stainless Steel, Add	304.86	
For Parallel Blade Damper, Add	93.80	
23 33 13 13-0094 EA 40" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	151.11	17.52
For Stainless Steel, Add	132.70	
For Parallel Blade Damper, Add	40.83	
23 33 13 13-0095 EA 40" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	165.64	18.64
For Stainless Steel, Add	147.03	
For Parallel Blade Damper, Add	45.24	
23 33 13 13-0096 EA 40" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	171.91	19.83
For Stainless Steel, Add	150.63	
For Parallel Blade Damper, Add	46.35	
23 33 13 13-0097 EA 40" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	178.18	21.01
For Stainless Steel, Add	154.22	
For Parallel Blade Damper, Add	47.45	
23 33 13 13-0098 EA 40" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	194.85	22.13
For Stainless Steel, Add	166.79	
For Parallel Blade Damper, Add	51.32	
23 33 13 13-0099 EA 40" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	208.01	23.32
For Stainless Steel, Add	179.35	
For Parallel Blade Damper, Add	55.18	
23 33 13 13-0100 EA 40" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	229.55	26.83
For Stainless Steel, Add	193.69	
For Parallel Blade Damper, Add	59.60	
23 33 13 13-0101 EA 40" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	247.61	29.14
For Stainless Steel, Add	208.05	
For Parallel Blade Damper, Add	64.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0102 EA 40" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	269.76	31.03
For Stainless Steel, Add	229.57	
For Parallel Blade Damper, Add	70.64	
23 33 13 13-0103 EA 40" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	305.00	32.65
For Stainless Steel, Add	269.01	
For Parallel Blade Damper, Add	82.77	
23 33 13 13-0104 EA 40" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	327.14	34.53
For Stainless Steel, Add	290.51	
For Parallel Blade Damper, Add	89.39	
23 33 13 13-0105 EA 40" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	360.30	35.45
For Stainless Steel, Add	329.98	
For Parallel Blade Damper, Add	101.53	
23 33 13 13-0106 EA 40" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	393.51	37.33
For Stainless Steel, Add	365.86	
For Parallel Blade Damper, Add	112.57	
23 33 13 13-0107 EA 44" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	160.14	17.52
For Stainless Steel, Add	139.88	
For Parallel Blade Damper, Add	43.04	
23 33 13 13-0108 EA 44" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	174.67	18.64
For Stainless Steel, Add	154.22	
For Parallel Blade Damper, Add	47.45	
23 33 13 13-0109 EA 44" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	186.48	19.83
For Stainless Steel, Add	165.01	
For Parallel Blade Damper, Add	50.77	
23 33 13 13-0110 EA 44" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	192.74	21.01
For Stainless Steel, Add	168.61	
For Parallel Blade Damper, Add	51.88	
23 33 13 13-0111 EA 44" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	207.27	22.13
For Stainless Steel, Add	182.94	
For Parallel Blade Damper, Add	56.29	
23 33 13 13-0112 EA 44" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	221.80	23.32
For Stainless Steel, Add	197.28	
For Parallel Blade Damper, Add	60.70	
23 33 13 13-0113 EA 44" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	249.62	28.02
For Stainless Steel, Add	215.23	
For Parallel Blade Damper, Add	66.22	
23 33 13 13-0114 EA 44" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	270.39	30.33
For Stainless Steel, Add	233.13	
For Parallel Blade Damper, Add	71.73	
23 33 13 13-0115 EA 44" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	305.00	32.65
For Stainless Steel, Add	269.01	
For Parallel Blade Damper, Add	82.77	
23 33 13 13-0116 EA 44" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	336.84	35.02
For Stainless Steel, Add	301.30	
For Parallel Blade Damper, Add	92.71	
23 33 13 13-0117 EA 44" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	371.41	37.33
For Stainless Steel, Add	337.13	
For Parallel Blade Damper, Add	103.73	
23 33 13 13-0118 EA 44" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	399.75	38.46
For Stainless Steel, Add	369.42	
For Parallel Blade Damper, Add	113.67	
23 33 13 13-0119 EA 44" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	428.09	39.65
For Stainless Steel, Add	401.71	
For Parallel Blade Damper, Add	123.60	
23 33 13 13-0120 EA 44" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	456.44	40.84
For Stainless Steel, Add	434.01	
For Parallel Blade Damper, Add	133.54	
23 33 13 13-0121 EA 48" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	171.91	18.64
For Stainless Steel, Add	150.63	
For Parallel Blade Damper, Add	46.35	
23 33 13 13-0122 EA 48" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	186.48	19.83
For Stainless Steel, Add	165.01	
For Parallel Blade Damper, Add	50.77	
23 33 13 13-0123 EA 48" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	192.74	21.01
For Stainless Steel, Add	168.61	
For Parallel Blade Damper, Add	51.88	
23 33 13 13-0124 EA 48" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	208.01	23.32
For Stainless Steel, Add	179.35	
For Parallel Blade Damper, Add	55.18	
23 33 13 13-0125 EA 48" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	226.04	25.64
For Stainless Steel, Add	193.69	
For Parallel Blade Damper, Add	59.60	
23 33 13 13-0126 EA 48" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	244.10	28.02
For Stainless Steel, Add	208.05	
For Parallel Blade Damper, Add	64.02	
23 33 13 13-0127 EA 48" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	267.65	30.33
For Stainless Steel, Add	229.57	
For Parallel Blade Damper, Add	70.64	
23 33 13 13-0128 EA 48" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	291.19	32.65
For Stainless Steel, Add	251.06	
For Parallel Blade Damper, Add	77.25	
23 33 13 13-0129 EA 48" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	323.03	35.02
For Stainless Steel, Add	283.35	
For Parallel Blade Damper, Add	87.18	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0130 EA 48" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	360.38	37.33
For Stainless Steel, Add	322.79	
For Parallel Blade Damper, Add	99.32	
23 33 13 13-0131 EA 48" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	388.74	38.46
For Stainless Steel, Add	355.11	
For Parallel Blade Damper, Add	109.26	
23 33 13 13-0132 EA 48" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	425.33	39.65
For Stainless Steel, Add	398.13	
For Parallel Blade Damper, Add	122.50	
23 33 13 13-0133 EA 48" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	457.18	41.96
For Stainless Steel, Add	430.42	
For Parallel Blade Damper, Add	132.44	
23 33 13 13-0134 EA 48" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	493.78	43.15
For Stainless Steel, Add	473.45	
For Parallel Blade Damper, Add	145.68	
23 33 13 13-0135 EA 48" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	526.37	46.66
For Stainless Steel, Add	502.15	
For Parallel Blade Damper, Add	154.51	
23 33 13 13-0136 EA 52" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	183.72	19.83
For Stainless Steel, Add	161.42	
For Parallel Blade Damper, Add	49.67	
23 33 13 13-0137 EA 52" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	198.24	21.01
For Stainless Steel, Add	175.76	
For Parallel Blade Damper, Add	54.08	
23 33 13 13-0138 EA 52" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	216.28	23.32
For Stainless Steel, Add	190.10	
For Parallel Blade Damper, Add	58.49	
23 33 13 13-0139 EA 52" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	226.04	25.64
For Stainless Steel, Add	193.69	
For Parallel Blade Damper, Add	59.60	
23 33 13 13-0140 EA 52" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	245.48	28.02
For Stainless Steel, Add	209.85	
For Parallel Blade Damper, Add	64.57	
23 33 13 13-0141 EA 52" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	264.89	30.33
For Stainless Steel, Add	225.98	
For Parallel Blade Damper, Add	69.53	
23 33 13 13-0142 EA 52" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	288.45	32.65
For Stainless Steel, Add	247.49	
For Parallel Blade Damper, Add	76.15	
23 33 13 13-0143 EA 52" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	312.00	35.02
For Stainless Steel, Add	269.01	
For Parallel Blade Damper, Add	82.77	
23 33 13 13-0144 EA 52" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	343.85	37.33
For Stainless Steel, Add	301.30	
For Parallel Blade Damper, Add	92.71	
23 33 13 13-0145 EA 52" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	383.94	39.65
For Stainless Steel, Add	344.32	
For Parallel Blade Damper, Add	105.94	
23 33 13 13-0146 EA 52" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	415.03	40.84
For Stainless Steel, Add	380.17	
For Parallel Blade Damper, Add	116.98	
23 33 13 13-0147 EA 52" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	454.41	41.96
For Stainless Steel, Add	426.82	
For Parallel Blade Damper, Add	131.33	
23 33 13 13-0148 EA 52" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	494.50	44.34
For Stainless Steel, Add	469.83	
For Parallel Blade Damper, Add	144.56	
23 33 13 13-0149 EA 52" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	526.37	46.66
For Stainless Steel, Add	502.15	
For Parallel Blade Damper, Add	154.51	
23 33 13 13-0150 EA 52" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	569.98	50.15
For Stainless Steel, Add	545.18	
For Parallel Blade Damper, Add	167.75	
23 33 13 13-0151 EA 52" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	604.58	52.47
For Stainless Steel, Add	581.06	
For Parallel Blade Damper, Add	178.79	
23 33 13 13-0152 EA 56" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	192.74	21.01
For Stainless Steel, Add	168.61	
For Parallel Blade Damper, Add	51.88	
23 33 13 13-0153 EA 56" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	213.52	23.32
For Stainless Steel, Add	186.51	
For Parallel Blade Damper, Add	57.39	
23 33 13 13-0154 EA 56" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	228.80	25.64
For Stainless Steel, Add	197.28	
For Parallel Blade Damper, Add	60.70	
23 33 13 13-0155 EA 56" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	238.55	28.02
For Stainless Steel, Add	200.84	
For Parallel Blade Damper, Add	61.80	
23 33 13 13-0156 EA 56" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	260.75	30.33
For Stainless Steel, Add	220.60	
For Parallel Blade Damper, Add	67.88	
23 33 13 13-0157 EA 56" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	282.93	32.65
For Stainless Steel, Add	240.32	
For Parallel Blade Damper, Add	73.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0158 EA 56" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	305.10	35.02
For Stainless Steel, Add	260.04	
For Parallel Blade Damper, Add	80.01	
23 33 13 13-0159 EA 56" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	327.28	37.33
For Stainless Steel, Add	279.76	
For Parallel Blade Damper, Add	86.08	
23 33 13 13-0160 EA 56" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	367.38	39.65
For Stainless Steel, Add	322.79	
For Parallel Blade Damper, Add	99.32	
23 33 13 13-0161 EA 56" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	404.02	40.84
For Stainless Steel, Add	365.86	
For Parallel Blade Damper, Add	112.57	
23 33 13 13-0162 EA 56" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	437.86	41.96
For Stainless Steel, Add	405.30	
For Parallel Blade Damper, Add	124.71	
23 33 13 13-0163 EA 56" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	483.49	44.34
For Stainless Steel, Add	455.52	
For Parallel Blade Damper, Add	140.16	
23 33 13 13-0164 EA 56" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	523.60	46.66
For Stainless Steel, Add	498.55	
For Parallel Blade Damper, Add	153.40	
23 33 13 13-0165 EA 56" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	566.47	48.96
For Stainless Steel, Add	545.18	
For Parallel Blade Damper, Add	167.75	
23 33 13 13-0166 EA 56" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	601.08	51.34
For Stainless Steel, Add	581.06	
For Parallel Blade Damper, Add	178.79	
23 33 13 13-0167 EA 56" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	643.95	53.66
For Stainless Steel, Add	627.69	
For Parallel Blade Damper, Add	193.14	
23 33 13 13-0168 EA 56" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	686.82	55.97
For Stainless Steel, Add	674.31	
For Parallel Blade Damper, Add	207.48	
23 33 13 13-0169 EA 60" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	208.01	23.32
For Stainless Steel, Add	179.35	
For Parallel Blade Damper, Add	55.18	
23 33 13 13-0170 EA 60" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	228.80	25.64
For Stainless Steel, Add	197.28	
For Parallel Blade Damper, Add	60.70	
23 33 13 13-0171 EA 60" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	241.32	28.02
For Stainless Steel, Add	204.44	
For Parallel Blade Damper, Add	62.90	
23 33 13 13-0172 EA 60" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	251.10	30.33
For Stainless Steel, Add	208.05	
For Parallel Blade Damper, Add	64.02	
23 33 13 13-0173 EA 60" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	274.66	32.65
For Stainless Steel, Add	229.57	
For Parallel Blade Damper, Add	70.64	
23 33 13 13-0174 EA 60" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	298.19	35.02
For Stainless Steel, Add	251.06	
For Parallel Blade Damper, Add	77.25	
23 33 13 13-0175 EA 60" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	323.14	37.33
For Stainless Steel, Add	274.38	
For Parallel Blade Damper, Add	84.42	
23 33 13 13-0176 EA 60" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	348.07	39.65
For Stainless Steel, Add	297.69	
For Parallel Blade Damper, Add	91.60	
23 33 13 13-0177 EA 60" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	387.45	40.84
For Stainless Steel, Add	344.32	
For Parallel Blade Damper, Add	105.94	
23 33 13 13-0178 EA 60" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	424.05	41.96
For Stainless Steel, Add	387.35	
For Parallel Blade Damper, Add	119.18	
23 33 13 13-0179 EA 60" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	466.94	44.34
For Stainless Steel, Add	434.01	
For Parallel Blade Damper, Add	133.54	
23 33 13 13-0180 EA 60" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	509.81	46.66
For Stainless Steel, Add	480.62	
For Parallel Blade Damper, Add	147.88	
23 33 13 13-0181 EA 60" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	544.39	48.96
For Stainless Steel, Add	516.48	
For Parallel Blade Damper, Add	158.92	
23 33 13 13-0182 EA 60" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	595.54	51.34
For Stainless Steel, Add	573.86	
For Parallel Blade Damper, Add	176.57	
23 33 13 13-0183 EA 60" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	641.17	53.66
For Stainless Steel, Add	624.08	
For Parallel Blade Damper, Add	192.02	
23 33 13 13-0184 EA 60" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	686.82	55.97
For Stainless Steel, Add	674.31	
For Parallel Blade Damper, Add	207.48	
23 33 13 13-0185 EA 60" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	726.89	58.35
For Stainless Steel, Add	717.30	
For Parallel Blade Damper, Add	220.71	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0186	EA		60" x 60" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	767.04	60.66
			<i>For Stainless Steel, Add</i>	760.38	
			<i>For Parallel Blade Damper, Add</i>	233.96	
<b>23 33 13 16 Fire Dampers (23 33 13)</b>					
<b>23 33 13 16-0001 Fire Dampers (23 33 13 16)</b>					
23 33 13 16-0002	SF		Fire Damper, Vertical Curtain Type.....	48.24	7.57
			<i>For Smoke Damper, Add</i>	21.65	
			<i>For Horizontal, Add</i>	3.82	
			<i>For Dynamic Damper, Add</i>	5.73	
			<i>For 3 Hour Rated, Add</i>	5.09	
23 33 13 16-0003	SF		Fire Damper, Vertical Louver Type .....	62.14	7.57
			<i>For Smoke Damper, Add</i>	33.46	
			<i>For Horizontal, Add</i>	5.91	
			<i>For Dynamic Damper, Add</i>	8.86	
			<i>For 3 Hour Rated, Add</i>	7.87	
<b>23 33 13 16-0004 Folding Curtain Fire Dampers (23 33 13 16)</b>					
Note: UL Listed. Air stream galvanized steel construction with fusible link 160 F spring actuated for horizontal mount gravity actuated for vertical mount 1-1/2 hour fire rating. Damper blades and damper frame are in the air stream.					
23 33 13 16-0005	EA		6" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	39.72	7.77
			<i>For Horizontal, Add</i>	2.46	
			<i>For Dynamic Damper, Add</i>	3.69	
			<i>For 3 Hour Rated, Add</i>	3.28	
			<i>For Damper Blades Outside Air Stream, Add</i>	4.92	
23 33 13 16-0006	EA		8" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	41.94	8.12
			<i>For Horizontal, Add</i>	2.63	
			<i>For Dynamic Damper, Add</i>	3.95	
			<i>For 3 Hour Rated, Add</i>	3.51	
			<i>For Damper Blades Outside Air Stream, Add</i>	5.27	
23 33 13 16-0007	EA		8" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	43.26	8.19
			<i>For Horizontal, Add</i>	2.81	
			<i>For Dynamic Damper, Add</i>	4.22	
			<i>For 3 Hour Rated, Add</i>	3.75	
			<i>For Damper Blades Outside Air Stream, Add</i>	5.62	
23 33 13 16-0008	EA		10" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	43.26	8.19
			<i>For Horizontal, Add</i>	2.81	
			<i>For Dynamic Damper, Add</i>	4.22	
			<i>For 3 Hour Rated, Add</i>	3.75	
			<i>For Damper Blades Outside Air Stream, Add</i>	5.62	
23 33 13 16-0009	EA		10" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	45.13	8.41
			<i>For Horizontal, Add</i>	2.99	
			<i>For Dynamic Damper, Add</i>	4.48	
			<i>For 3 Hour Rated, Add</i>	3.98	
			<i>For Damper Blades Outside Air Stream, Add</i>	5.97	
23 33 13 16-0010	EA		10" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	50.27	9.31
			<i>For Horizontal, Add</i>	3.34	
			<i>For Dynamic Damper, Add</i>	5.01	
			<i>For 3 Hour Rated, Add</i>	4.45	
			<i>For Damper Blades Outside Air Stream, Add</i>	6.68	
23 33 13 16-0011	EA		12" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	45.13	8.41
			<i>For Horizontal, Add</i>	2.99	
			<i>For Dynamic Damper, Add</i>	4.48	
			<i>For 3 Hour Rated, Add</i>	3.98	
			<i>For Damper Blades Outside Air Stream, Add</i>	5.97	
23 33 13 16-0012	EA		12" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	48.87	8.90
			<i>For Horizontal, Add</i>	3.34	
			<i>For Dynamic Damper, Add</i>	5.01	
			<i>For 3 Hour Rated, Add</i>	4.45	
			<i>For Damper Blades Outside Air Stream, Add</i>	6.68	
23 33 13 16-0013	EA		12" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	51.44	9.31
			<i>For Horizontal, Add</i>	3.51	
			<i>For Dynamic Damper, Add</i>	5.27	
			<i>For 3 Hour Rated, Add</i>	4.68	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.03	
23 33 13 16-0014	EA		12" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	56.13	10.51
			<i>For Horizontal, Add</i>	3.69	
			<i>For Dynamic Damper, Add</i>	5.54	
			<i>For 3 Hour Rated, Add</i>	4.92	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.38	
23 33 13 16-0015	EA		14" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	48.29	8.90
			<i>For Horizontal, Add</i>	3.25	
			<i>For Dynamic Damper, Add</i>	4.88	
			<i>For 3 Hour Rated, Add</i>	4.33	
			<i>For Damper Blades Outside Air Stream, Add</i>	6.50	
23 33 13 16-0016	EA		14" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	51.44	9.31
			<i>For Horizontal, Add</i>	3.51	
			<i>For Dynamic Damper, Add</i>	5.27	
			<i>For 3 Hour Rated, Add</i>	4.68	
			<i>For Damper Blades Outside Air Stream, Add</i>	7.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0017 EA 14" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	54.02	9.81
<i>For Horizontal, Add</i>	3.69	
<i>For Dynamic Damper, Add</i>	5.54	
<i>For 3 Hour Rated, Add</i>	4.92	
<i>For Damper Blades Outside Air Stream, Add</i>	7.38	
23 33 13 16-0018 EA 14" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	57.30	10.51
<i>For Horizontal, Add</i>	3.87	
<i>For Dynamic Damper, Add</i>	5.80	
<i>For 3 Hour Rated, Add</i>	5.15	
<i>For Damper Blades Outside Air Stream, Add</i>	7.73	
23 33 13 16-0019 EA 14" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	63.72	11.70
<i>For Horizontal, Add</i>	4.31	
<i>For Dynamic Damper, Add</i>	6.46	
<i>For 3 Hour Rated, Add</i>	5.74	
<i>For Damper Blades Outside Air Stream, Add</i>	8.61	
23 33 13 16-0020 EA 16" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	51.44	9.31
<i>For Horizontal, Add</i>	3.51	
<i>For Dynamic Damper, Add</i>	5.27	
<i>For 3 Hour Rated, Add</i>	4.68	
<i>For Damper Blades Outside Air Stream, Add</i>	7.03	
23 33 13 16-0021 EA 16" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	54.73	10.02
<i>For Horizontal, Add</i>	3.69	
<i>For Dynamic Damper, Add</i>	5.54	
<i>For 3 Hour Rated, Add</i>	4.92	
<i>For Damper Blades Outside Air Stream, Add</i>	7.38	
23 33 13 16-0022 EA 16" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	58.70	11.00
<i>For Horizontal, Add</i>	3.87	
<i>For Dynamic Damper, Add</i>	5.80	
<i>For 3 Hour Rated, Add</i>	5.15	
<i>For Damper Blades Outside Air Stream, Add</i>	7.73	
23 33 13 16-0023 EA 16" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	61.95	11.70
<i>For Horizontal, Add</i>	4.04	
<i>For Dynamic Damper, Add</i>	6.06	
<i>For 3 Hour Rated, Add</i>	5.39	
<i>For Damper Blades Outside Air Stream, Add</i>	8.08	
23 33 13 16-0024 EA 16" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	68.40	12.82
<i>For Horizontal, Add</i>	4.48	
<i>For Dynamic Damper, Add</i>	6.72	
<i>For 3 Hour Rated, Add</i>	5.97	
<i>For Damper Blades Outside Air Stream, Add</i>	8.96	
23 33 13 16-0025 EA 16" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	74.83	14.01
<i>For Horizontal, Add</i>	4.92	
<i>For Dynamic Damper, Add</i>	7.38	
<i>For 3 Hour Rated, Add</i>	6.56	
<i>For Damper Blades Outside Air Stream, Add</i>	9.84	
23 33 13 16-0026 EA 18" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	54.02	9.81
<i>For Horizontal, Add</i>	3.69	
<i>For Dynamic Damper, Add</i>	5.54	
<i>For 3 Hour Rated, Add</i>	4.92	
<i>For Damper Blades Outside Air Stream, Add</i>	7.38	
23 33 13 16-0027 EA 18" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	57.88	10.51
<i>For Horizontal, Add</i>	3.95	
<i>For Dynamic Damper, Add</i>	5.93	
<i>For 3 Hour Rated, Add</i>	5.27	
<i>For Damper Blades Outside Air Stream, Add</i>	7.91	
23 33 13 16-0028 EA 18" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	63.14	11.70
<i>For Horizontal, Add</i>	4.22	
<i>For Dynamic Damper, Add</i>	6.33	
<i>For 3 Hour Rated, Add</i>	5.62	
<i>For Damper Blades Outside Air Stream, Add</i>	8.44	
23 33 13 16-0029 EA 18" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	69.57	12.82
<i>For Horizontal, Add</i>	4.66	
<i>For Dynamic Damper, Add</i>	6.98	
<i>For 3 Hour Rated, Add</i>	6.21	
<i>For Damper Blades Outside Air Stream, Add</i>	9.31	
23 33 13 16-0030 EA 18" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	75.41	14.01
<i>For Horizontal, Add</i>	5.01	
<i>For Dynamic Damper, Add</i>	7.51	
<i>For 3 Hour Rated, Add</i>	6.68	
<i>For Damper Blades Outside Air Stream, Add</i>	10.01	
23 33 13 16-0031 EA 18" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	81.85	15.13
<i>For Horizontal, Add</i>	5.45	
<i>For Dynamic Damper, Add</i>	8.17	
<i>For 3 Hour Rated, Add</i>	7.26	
<i>For Damper Blades Outside Air Stream, Add</i>	10.89	
23 33 13 16-0032 EA 18" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	87.10	16.32
<i>For Horizontal, Add</i>	5.71	
<i>For Dynamic Damper, Add</i>	8.57	
<i>For 3 Hour Rated, Add</i>	7.61	
<i>For Damper Blades Outside Air Stream, Add</i>	11.42	
23 33 13 16-0033 EA 20" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	57.30	10.51
<i>For Horizontal, Add</i>	3.87	
<i>For Dynamic Damper, Add</i>	5.80	
<i>For 3 Hour Rated, Add</i>	5.15	
<i>For Damper Blades Outside Air Stream, Add</i>	7.73	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0034	EA		20" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	63.13	11.70
			<i>For Horizontal, Add</i>	4.22	
			<i>For Dynamic Damper, Add</i>	6.32	
			<i>For 3 Hour Rated, Add</i>	5.62	
			<i>For Damper Blades Outside Air Stream, Add</i>	8.43	
23 33 13 16-0035	EA		20" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	68.98	12.82
			<i>For Horizontal, Add</i>	4.57	
			<i>For Dynamic Damper, Add</i>	6.85	
			<i>For 3 Hour Rated, Add</i>	6.09	
			<i>For Damper Blades Outside Air Stream, Add</i>	9.14	
23 33 13 16-0036	EA		20" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	77.18	14.01
			<i>For Horizontal, Add</i>	5.27	
			<i>For Dynamic Damper, Add</i>	7.91	
			<i>For 3 Hour Rated, Add</i>	7.03	
			<i>For Damper Blades Outside Air Stream, Add</i>	10.55	
23 33 13 16-0037	EA		20" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	82.44	15.13
			<i>For Horizontal, Add</i>	5.54	
			<i>For Dynamic Damper, Add</i>	8.30	
			<i>For 3 Hour Rated, Add</i>	7.38	
			<i>For Damper Blades Outside Air Stream, Add</i>	11.07	
23 33 13 16-0038	EA		20" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	87.69	16.32
			<i>For Horizontal, Add</i>	5.80	
			<i>For Dynamic Damper, Add</i>	8.70	
			<i>For 3 Hour Rated, Add</i>	7.73	
			<i>For Damper Blades Outside Air Stream, Add</i>	11.60	
23 33 13 16-0039	EA		20" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	93.54	17.52
			<i>For Horizontal, Add</i>	6.15	
			<i>For Dynamic Damper, Add</i>	9.23	
			<i>For 3 Hour Rated, Add</i>	8.20	
			<i>For Damper Blades Outside Air Stream, Add</i>	12.30	
23 33 13 16-0040	EA		20" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	99.37	18.64
			<i>For Horizontal, Add</i>	6.50	
			<i>For Dynamic Damper, Add</i>	9.75	
			<i>For 3 Hour Rated, Add</i>	8.67	
			<i>For Damper Blades Outside Air Stream, Add</i>	13.00	
23 33 13 16-0041	EA		24" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	64.30	11.70
			<i>For Horizontal, Add</i>	4.39	
			<i>For Dynamic Damper, Add</i>	6.59	
			<i>For 3 Hour Rated, Add</i>	5.86	
			<i>For Damper Blades Outside Air Stream, Add</i>	8.78	
23 33 13 16-0042	EA		24" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	71.33	12.82
			<i>For Horizontal, Add</i>	4.92	
			<i>For Dynamic Damper, Add</i>	7.38	
			<i>For 3 Hour Rated, Add</i>	6.56	
			<i>For Damper Blades Outside Air Stream, Add</i>	9.84	
23 33 13 16-0043	EA		24" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	77.18	14.01
			<i>For Horizontal, Add</i>	5.27	
			<i>For Dynamic Damper, Add</i>	7.91	
			<i>For 3 Hour Rated, Add</i>	7.03	
			<i>For Damper Blades Outside Air Stream, Add</i>	10.55	
23 33 13 16-0044	EA		24" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	84.20	15.13
			<i>For Horizontal, Add</i>	5.80	
			<i>For Dynamic Damper, Add</i>	8.70	
			<i>For 3 Hour Rated, Add</i>	7.73	
			<i>For Damper Blades Outside Air Stream, Add</i>	11.60	
23 33 13 16-0045	EA		24" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	89.44	16.32
			<i>For Horizontal, Add</i>	6.06	
			<i>For Dynamic Damper, Add</i>	9.09	
			<i>For 3 Hour Rated, Add</i>	8.08	
			<i>For Damper Blades Outside Air Stream, Add</i>	12.12	
23 33 13 16-0046	EA		24" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	94.71	17.52
			<i>For Horizontal, Add</i>	6.33	
			<i>For Dynamic Damper, Add</i>	9.49	
			<i>For 3 Hour Rated, Add</i>	8.43	
			<i>For Damper Blades Outside Air Stream, Add</i>	12.65	
23 33 13 16-0047	EA		24" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	101.72	18.64
			<i>For Horizontal, Add</i>	6.85	
			<i>For Dynamic Damper, Add</i>	10.28	
			<i>For 3 Hour Rated, Add</i>	9.14	
			<i>For Damper Blades Outside Air Stream, Add</i>	13.70	
23 33 13 16-0048	EA		24" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	112.23	21.01
			<i>For Horizontal, Add</i>	7.38	
			<i>For Dynamic Damper, Add</i>	11.07	
			<i>For 3 Hour Rated, Add</i>	9.84	
			<i>For Damper Blades Outside Air Stream, Add</i>	14.76	
23 33 13 16-0049	EA		24" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	123.94	23.32
			<i>For Horizontal, Add</i>	8.08	
			<i>For Dynamic Damper, Add</i>	12.13	
			<i>For 3 Hour Rated, Add</i>	10.78	
			<i>For Damper Blades Outside Air Stream, Add</i>	16.17	
23 33 13 16-0050	EA		28" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	71.33	12.82
			<i>For Horizontal, Add</i>	4.92	
			<i>For Dynamic Damper, Add</i>	7.38	
			<i>For 3 Hour Rated, Add</i>	6.56	
			<i>For Damper Blades Outside Air Stream, Add</i>	9.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0051 EA 28" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	77.18	14.01
<i>For Horizontal, Add</i>	5.27	
<i>For Dynamic Damper, Add</i>	7.91	
<i>For 3 Hour Rated, Add</i>	7.03	
<i>For Damper Blades Outside Air Stream, Add</i>	10.55	
23 33 13 16-0052 EA 28" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	84.20	15.13
<i>For Horizontal, Add</i>	5.80	
<i>For Dynamic Damper, Add</i>	8.70	
<i>For 3 Hour Rated, Add</i>	7.73	
<i>For Damper Blades Outside Air Stream, Add</i>	11.60	
23 33 13 16-0053 EA 28" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	90.03	16.32
<i>For Horizontal, Add</i>	6.15	
<i>For Dynamic Damper, Add</i>	9.23	
<i>For 3 Hour Rated, Add</i>	8.20	
<i>For Damper Blades Outside Air Stream, Add</i>	12.30	
23 33 13 16-0054 EA 28" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	96.47	17.52
<i>For Horizontal, Add</i>	6.59	
<i>For Dynamic Damper, Add</i>	9.88	
<i>For 3 Hour Rated, Add</i>	8.79	
<i>For Damper Blades Outside Air Stream, Add</i>	13.18	
23 33 13 16-0055 EA 28" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	102.89	18.64
<i>For Horizontal, Add</i>	7.03	
<i>For Dynamic Damper, Add</i>	10.54	
<i>For 3 Hour Rated, Add</i>	9.37	
<i>For Damper Blades Outside Air Stream, Add</i>	14.06	
23 33 13 16-0056 EA 28" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	113.41	21.01
<i>For Horizontal, Add</i>	7.56	
<i>For Dynamic Damper, Add</i>	11.33	
<i>For 3 Hour Rated, Add</i>	10.07	
<i>For Damper Blades Outside Air Stream, Add</i>	15.11	
23 33 13 16-0057 EA 28" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	123.94	23.32
<i>For Horizontal, Add</i>	8.08	
<i>For Dynamic Damper, Add</i>	12.13	
<i>For 3 Hour Rated, Add</i>	10.78	
<i>For Damper Blades Outside Air Stream, Add</i>	16.17	
23 33 13 16-0058 EA 28" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	134.47	24.52
<i>For Horizontal, Add</i>	9.14	
<i>For Dynamic Damper, Add</i>	13.70	
<i>For 3 Hour Rated, Add</i>	12.18	
<i>For Damper Blades Outside Air Stream, Add</i>	18.27	
23 33 13 16-0059 EA 28" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	147.33	26.83
<i>For Horizontal, Add</i>	10.02	
<i>For Dynamic Damper, Add</i>	15.02	
<i>For 3 Hour Rated, Add</i>	13.35	
<i>For Damper Blades Outside Air Stream, Add</i>	20.03	
23 33 13 16-0060 EA 32" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	80.69	14.01
<i>For Horizontal, Add</i>	5.80	
<i>For Dynamic Damper, Add</i>	8.70	
<i>For 3 Hour Rated, Add</i>	7.73	
<i>For Damper Blades Outside Air Stream, Add</i>	11.60	
23 33 13 16-0061 EA 32" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	85.36	15.13
<i>For Horizontal, Add</i>	5.97	
<i>For Dynamic Damper, Add</i>	8.96	
<i>For 3 Hour Rated, Add</i>	7.96	
<i>For Damper Blades Outside Air Stream, Add</i>	11.95	
23 33 13 16-0062 EA 32" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	90.03	16.32
<i>For Horizontal, Add</i>	6.15	
<i>For Dynamic Damper, Add</i>	9.23	
<i>For 3 Hour Rated, Add</i>	8.20	
<i>For Damper Blades Outside Air Stream, Add</i>	12.30	
23 33 13 16-0063 EA 32" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	95.87	17.52
<i>For Horizontal, Add</i>	6.50	
<i>For Dynamic Damper, Add</i>	9.75	
<i>For 3 Hour Rated, Add</i>	8.67	
<i>For Damper Blades Outside Air Stream, Add</i>	13.00	
23 33 13 16-0064 EA 32" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	103.11	18.64
<i>For Horizontal, Add</i>	7.06	
<i>For Dynamic Damper, Add</i>	10.59	
<i>For 3 Hour Rated, Add</i>	9.41	
<i>For Damper Blades Outside Air Stream, Add</i>	14.12	
23 33 13 16-0065 EA 32" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	113.41	21.01
<i>For Horizontal, Add</i>	7.56	
<i>For Dynamic Damper, Add</i>	11.33	
<i>For 3 Hour Rated, Add</i>	10.07	
<i>For Damper Blades Outside Air Stream, Add</i>	15.11	
23 33 13 16-0066 EA 32" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	125.11	23.32
<i>For Horizontal, Add</i>	8.26	
<i>For Dynamic Damper, Add</i>	12.39	
<i>For 3 Hour Rated, Add</i>	11.01	
<i>For Damper Blades Outside Air Stream, Add</i>	16.52	
23 33 13 16-0067 EA 32" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	136.79	25.64
<i>For Horizontal, Add</i>	8.96	
<i>For Dynamic Damper, Add</i>	13.44	
<i>For 3 Hour Rated, Add</i>	11.95	
<i>For Damper Blades Outside Air Stream, Add</i>	17.92	



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0068	EA		32" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	147.33	26.83
			<i>For Horizontal, Add</i>	10.02	
			<i>For Dynamic Damper, Add</i>	15.02	
			<i>For 3 Hour Rated, Add</i>	13.35	
			<i>For Damper Blades Outside Air Stream, Add</i>	20.03	
23 33 13 16-0069	EA		32" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	161.13	28.72
			<i>For Horizontal, Add</i>	11.25	
			<i>For Dynamic Damper, Add</i>	16.87	
			<i>For 3 Hour Rated, Add</i>	14.99	
			<i>For Damper Blades Outside Air Stream, Add</i>	22.49	
23 33 13 16-0070	EA		32" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	175.40	30.33
			<i>For Horizontal, Add</i>	12.65	
			<i>For Dynamic Damper, Add</i>	18.98	
			<i>For 3 Hour Rated, Add</i>	16.87	
			<i>For Damper Blades Outside Air Stream, Add</i>	25.30	
23 33 13 16-0071	EA		36" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	87.71	15.13
			<i>For Horizontal, Add</i>	6.33	
			<i>For Dynamic Damper, Add</i>	9.49	
			<i>For 3 Hour Rated, Add</i>	8.43	
			<i>For Damper Blades Outside Air Stream, Add</i>	12.65	
23 33 13 16-0072	EA		36" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	93.54	16.32
			<i>For Horizontal, Add</i>	6.68	
			<i>For Dynamic Damper, Add</i>	10.01	
			<i>For 3 Hour Rated, Add</i>	8.90	
			<i>For Damper Blades Outside Air Stream, Add</i>	13.35	
23 33 13 16-0073	EA		36" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	99.39	17.52
			<i>For Horizontal, Add</i>	7.03	
			<i>For Dynamic Damper, Add</i>	10.54	
			<i>For 3 Hour Rated, Add</i>	9.37	
			<i>For Damper Blades Outside Air Stream, Add</i>	14.06	
23 33 13 16-0074	EA		36" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	106.41	18.64
			<i>For Horizontal, Add</i>	7.56	
			<i>For Dynamic Damper, Add</i>	11.33	
			<i>For 3 Hour Rated, Add</i>	10.07	
			<i>For Damper Blades Outside Air Stream, Add</i>	15.11	
23 33 13 16-0075	EA		36" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	115.17	21.01
			<i>For Horizontal, Add</i>	7.82	
			<i>For Dynamic Damper, Add</i>	11.73	
			<i>For 3 Hour Rated, Add</i>	10.43	
			<i>For Damper Blades Outside Air Stream, Add</i>	15.64	
23 33 13 16-0076	EA		36" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	120.44	22.13
			<i>For Horizontal, Add</i>	8.08	
			<i>For Dynamic Damper, Add</i>	12.13	
			<i>For 3 Hour Rated, Add</i>	10.78	
			<i>For Damper Blades Outside Air Stream, Add</i>	16.17	
23 33 13 16-0077	EA		36" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	136.79	25.64
			<i>For Horizontal, Add</i>	8.96	
			<i>For Dynamic Damper, Add</i>	13.44	
			<i>For 3 Hour Rated, Add</i>	11.95	
			<i>For Damper Blades Outside Air Stream, Add</i>	17.92	
23 33 13 16-0078	EA		36" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	149.65	28.02
			<i>For Horizontal, Add</i>	9.84	
			<i>For Dynamic Damper, Add</i>	14.76	
			<i>For 3 Hour Rated, Add</i>	13.12	
			<i>For Damper Blades Outside Air Stream, Add</i>	19.68	
23 33 13 16-0079	EA		36" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	128.36	28.93
			<i>For Horizontal, Add</i>	6.23	
			<i>For Dynamic Damper, Add</i>	9.34	
			<i>For 3 Hour Rated, Add</i>	8.30	
			<i>For Damper Blades Outside Air Stream, Add</i>	12.45	
23 33 13 16-0080	EA		36" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	175.16	31.03
			<i>For Horizontal, Add</i>	12.30	
			<i>For Dynamic Damper, Add</i>	18.45	
			<i>For 3 Hour Rated, Add</i>	16.40	
			<i>For Damper Blades Outside Air Stream, Add</i>	24.60	
23 33 13 16-0081	EA		36" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	188.26	32.65
			<i>For Horizontal, Add</i>	13.53	
			<i>For Dynamic Damper, Add</i>	20.29	
			<i>For 3 Hour Rated, Add</i>	18.04	
			<i>For Damper Blades Outside Air Stream, Add</i>	27.06	
23 33 13 16-0082	EA		36" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	201.14	33.83
			<i>For Horizontal, Add</i>	14.93	
			<i>For Dynamic Damper, Add</i>	22.40	
			<i>For 3 Hour Rated, Add</i>	19.91	
			<i>For Damper Blades Outside Air Stream, Add</i>	29.87	
23 33 13 16-0083	EA		40" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	92.36	17.52
			<i>For Horizontal, Add</i>	6.50	
			<i>For Dynamic Damper, Add</i>	9.75	
			<i>For 3 Hour Rated, Add</i>	8.67	
			<i>For Damper Blades Outside Air Stream, Add</i>	13.00	
23 33 13 16-0084	EA		40" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	100.56	18.64
			<i>For Horizontal, Add</i>	7.20	
			<i>For Dynamic Damper, Add</i>	10.80	
			<i>For 3 Hour Rated, Add</i>	9.60	
			<i>For Damper Blades Outside Air Stream, Add</i>	14.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0085 EA 40" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	105.23	19.83
<i>For Horizontal, Add</i>	7.38	
<i>For Dynamic Damper, Add</i>	11.07	
<i>For 3 Hour Rated, Add</i>	9.84	
<i>For Damper Blades Outside Air Stream, Add</i>	14.76	
23 33 13 16-0086 EA 40" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	109.92	21.01
<i>For Horizontal, Add</i>	7.56	
<i>For Dynamic Damper, Add</i>	11.33	
<i>For 3 Hour Rated, Add</i>	10.07	
<i>For Damper Blades Outside Air Stream, Add</i>	15.11	
23 33 13 16-0087 EA 40" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	121.02	22.13
<i>For Horizontal, Add</i>	8.17	
<i>For Dynamic Damper, Add</i>	12.26	
<i>For 3 Hour Rated, Add</i>	10.89	
<i>For Damper Blades Outside Air Stream, Add</i>	16.34	
23 33 13 16-0088 EA 40" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	128.62	23.32
<i>For Horizontal, Add</i>	8.79	
<i>For Dynamic Damper, Add</i>	13.18	
<i>For 3 Hour Rated, Add</i>	11.71	
<i>For Damper Blades Outside Air Stream, Add</i>	17.57	
23 33 13 16-0089 EA 40" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	143.81	26.83
<i>For Horizontal, Add</i>	9.49	
<i>For Dynamic Damper, Add</i>	14.23	
<i>For 3 Hour Rated, Add</i>	12.65	
<i>For Damper Blades Outside Air Stream, Add</i>	18.98	
23 33 13 16-0090 EA 40" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	155.51	29.14
<i>For Horizontal, Add</i>	10.19	
<i>For Dynamic Damper, Add</i>	15.29	
<i>For 3 Hour Rated, Add</i>	13.59	
<i>For Damper Blades Outside Air Stream, Add</i>	20.38	
23 33 13 16-0091 EA 40" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	168.14	31.03
<i>For Horizontal, Add</i>	11.25	
<i>For Dynamic Damper, Add</i>	16.87	
<i>For 3 Hour Rated, Add</i>	14.99	
<i>For Damper Blades Outside Air Stream, Add</i>	22.49	
23 33 13 16-0092 EA 40" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	185.92	32.65
<i>For Horizontal, Add</i>	13.18	
<i>For Dynamic Damper, Add</i>	19.77	
<i>For 3 Hour Rated, Add</i>	17.57	
<i>For Damper Blades Outside Air Stream, Add</i>	26.36	
23 33 13 16-0093 EA 40" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	198.54	34.53
<i>For Horizontal, Add</i>	14.23	
<i>For Dynamic Damper, Add</i>	21.35	
<i>For 3 Hour Rated, Add</i>	18.97	
<i>For Damper Blades Outside Air Stream, Add</i>	28.46	
23 33 13 16-0094 EA 40" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	214.23	35.45
<i>For Horizontal, Add</i>	16.16	
<i>For Dynamic Damper, Add</i>	24.25	
<i>For 3 Hour Rated, Add</i>	21.55	
<i>For Damper Blades Outside Air Stream, Add</i>	32.33	
23 33 13 16-0095 EA 40" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	231.56	37.33
<i>For Horizontal, Add</i>	17.92	
<i>For Dynamic Damper, Add</i>	26.88	
<i>For 3 Hour Rated, Add</i>	23.90	
<i>For Damper Blades Outside Air Stream, Add</i>	35.84	
23 33 13 16-0096 EA 44" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	98.22	17.52
<i>For Horizontal, Add</i>	6.85	
<i>For Dynamic Damper, Add</i>	10.28	
<i>For 3 Hour Rated, Add</i>	9.14	
<i>For Damper Blades Outside Air Stream, Add</i>	13.70	
23 33 13 16-0097 EA 44" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	106.41	18.64
<i>For Horizontal, Add</i>	7.56	
<i>For Dynamic Damper, Add</i>	11.33	
<i>For 3 Hour Rated, Add</i>	10.07	
<i>For Damper Blades Outside Air Stream, Add</i>	15.11	
23 33 13 16-0098 EA 44" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	113.44	19.83
<i>For Horizontal, Add</i>	8.08	
<i>For Dynamic Damper, Add</i>	12.13	
<i>For 3 Hour Rated, Add</i>	10.78	
<i>For Damper Blades Outside Air Stream, Add</i>	16.17	
23 33 13 16-0099 EA 44" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	118.10	21.01
<i>For Horizontal, Add</i>	8.26	
<i>For Dynamic Damper, Add</i>	12.39	
<i>For 3 Hour Rated, Add</i>	11.01	
<i>For Damper Blades Outside Air Stream, Add</i>	16.52	
23 33 13 16-0100 EA 44" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	126.29	22.13
<i>For Horizontal, Add</i>	8.96	
<i>For Dynamic Damper, Add</i>	13.44	
<i>For 3 Hour Rated, Add</i>	11.95	
<i>For Damper Blades Outside Air Stream, Add</i>	17.92	
23 33 13 16-0101 EA 44" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	134.48	23.32
<i>For Horizontal, Add</i>	9.66	
<i>For Dynamic Damper, Add</i>	14.50	
<i>For 3 Hour Rated, Add</i>	12.89	
<i>For Damper Blades Outside Air Stream, Add</i>	19.33	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0102	EA		44" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	154.35	28.02
			<i>For Horizontal, Add</i>	10.54	
			<i>For Dynamic Damper, Add</i>	15.82	
			<i>For 3 Hour Rated, Add</i>	14.06	
			<i>For Damper Blades Outside Air Stream, Add</i>	21.09	
23 33 13 16-0103	EA		44" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	167.19	30.33
			<i>For Horizontal, Add</i>	11.42	
			<i>For Dynamic Damper, Add</i>	17.13	
			<i>For 3 Hour Rated, Add</i>	15.23	
			<i>For Damper Blades Outside Air Stream, Add</i>	22.84	
23 33 13 16-0104	EA		44" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	185.92	32.65
			<i>For Horizontal, Add</i>	13.18	
			<i>For Dynamic Damper, Add</i>	19.77	
			<i>For 3 Hour Rated, Add</i>	17.57	
			<i>For Damper Blades Outside Air Stream, Add</i>	26.36	
23 33 13 16-0105	EA		44" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	203.46	35.02
			<i>For Horizontal, Add</i>	14.76	
			<i>For Dynamic Damper, Add</i>	22.14	
			<i>For 3 Hour Rated, Add</i>	19.68	
			<i>For Damper Blades Outside Air Stream, Add</i>	29.52	
23 33 13 16-0106	EA		44" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	222.18	37.33
			<i>For Horizontal, Add</i>	16.52	
			<i>For Dynamic Damper, Add</i>	24.77	
			<i>For 3 Hour Rated, Add</i>	22.02	
			<i>For Damper Blades Outside Air Stream, Add</i>	33.03	
23 33 13 16-0107	EA		44" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	236.22	38.46
			<i>For Horizontal, Add</i>	18.10	
			<i>For Dynamic Damper, Add</i>	27.14	
			<i>For 3 Hour Rated, Add</i>	24.13	
			<i>For Damper Blades Outside Air Stream, Add</i>	36.19	
23 33 13 16-0108	EA		44" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	250.26	39.65
			<i>For Horizontal, Add</i>	19.68	
			<i>For Dynamic Damper, Add</i>	29.52	
			<i>For 3 Hour Rated, Add</i>	26.24	
			<i>For Damper Blades Outside Air Stream, Add</i>	39.35	
23 33 13 16-0109	EA		44" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	264.33	40.84
			<i>For Horizontal, Add</i>	21.26	
			<i>For Dynamic Damper, Add</i>	31.89	
			<i>For 3 Hour Rated, Add</i>	28.35	
			<i>For Damper Blades Outside Air Stream, Add</i>	42.52	
23 33 13 16-0110	EA		48" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	105.23	18.64
			<i>For Horizontal, Add</i>	7.38	
			<i>For Dynamic Damper, Add</i>	11.07	
			<i>For 3 Hour Rated, Add</i>	9.84	
			<i>For Damper Blades Outside Air Stream, Add</i>	14.76	
23 33 13 16-0111	EA		48" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	113.44	19.83
			<i>For Horizontal, Add</i>	8.08	
			<i>For Dynamic Damper, Add</i>	12.13	
			<i>For 3 Hour Rated, Add</i>	10.78	
			<i>For Damper Blades Outside Air Stream, Add</i>	16.17	
23 33 13 16-0112	EA		48" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	118.10	21.01
			<i>For Horizontal, Add</i>	8.26	
			<i>For Dynamic Damper, Add</i>	12.39	
			<i>For 3 Hour Rated, Add</i>	11.01	
			<i>For Damper Blades Outside Air Stream, Add</i>	16.52	
23 33 13 16-0113	EA		48" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	128.62	23.32
			<i>For Horizontal, Add</i>	8.79	
			<i>For Dynamic Damper, Add</i>	13.18	
			<i>For 3 Hour Rated, Add</i>	11.71	
			<i>For Damper Blades Outside Air Stream, Add</i>	17.57	
23 33 13 16-0114	EA		48" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	140.30	25.64
			<i>For Horizontal, Add</i>	9.49	
			<i>For Dynamic Damper, Add</i>	14.23	
			<i>For 3 Hour Rated, Add</i>	12.65	
			<i>For Damper Blades Outside Air Stream, Add</i>	18.98	
23 33 13 16-0115	EA		48" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	152.00	28.02
			<i>For Horizontal, Add</i>	10.19	
			<i>For Dynamic Damper, Add</i>	15.29	
			<i>For 3 Hour Rated, Add</i>	13.59	
			<i>For Damper Blades Outside Air Stream, Add</i>	20.38	
23 33 13 16-0116	EA		48" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	166.03	30.33
			<i>For Horizontal, Add</i>	11.25	
			<i>For Dynamic Damper, Add</i>	16.87	
			<i>For 3 Hour Rated, Add</i>	14.99	
			<i>For Damper Blades Outside Air Stream, Add</i>	22.49	
23 33 13 16-0117	EA		48" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	180.06	32.65
			<i>For Horizontal, Add</i>	12.30	
			<i>For Dynamic Damper, Add</i>	18.45	
			<i>For 3 Hour Rated, Add</i>	16.40	
			<i>For Damper Blades Outside Air Stream, Add</i>	24.60	
23 33 13 16-0118	EA		48" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	197.60	35.02
			<i>For Horizontal, Add</i>	13.88	
			<i>For Dynamic Damper, Add</i>	20.82	
			<i>For 3 Hour Rated, Add</i>	18.51	
			<i>For Damper Blades Outside Air Stream, Add</i>	27.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0119 EA 48" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	217.49	37.33
<i>For Horizontal, Add</i>	15.81	
<i>For Dynamic Damper, Add</i>	23.72	
<i>For 3 Hour Rated, Add</i>	21.08	
<i>For Damper Blades Outside Air Stream, Add</i>	31.62	
23 33 13 16-0120 EA 48" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	231.55	38.46
<i>For Horizontal, Add</i>	17.40	
<i>For Dynamic Damper, Add</i>	26.09	
<i>For 3 Hour Rated, Add</i>	23.19	
<i>For Damper Blades Outside Air Stream, Add</i>	34.79	
23 33 13 16-0121 EA 48" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	249.09	39.65
<i>For Horizontal, Add</i>	19.50	
<i>For Dynamic Damper, Add</i>	29.25	
<i>For 3 Hour Rated, Add</i>	26.00	
<i>For Damper Blades Outside Air Stream, Add</i>	39.00	
23 33 13 16-0122 EA 48" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	266.65	41.96
<i>For Horizontal, Add</i>	21.08	
<i>For Dynamic Damper, Add</i>	31.63	
<i>For 3 Hour Rated, Add</i>	28.11	
<i>For Damper Blades Outside Air Stream, Add</i>	42.17	
23 33 13 16-0123 EA 48" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	284.21	43.15
<i>For Horizontal, Add</i>	23.19	
<i>For Dynamic Damper, Add</i>	34.79	
<i>For 3 Hour Rated, Add</i>	30.92	
<i>For Damper Blades Outside Air Stream, Add</i>	46.39	
23 33 13 16-0124 EA 48" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	304.08	46.66
<i>For Horizontal, Add</i>	24.60	
<i>For Dynamic Damper, Add</i>	36.90	
<i>For 3 Hour Rated, Add</i>	32.80	
<i>For Damper Blades Outside Air Stream, Add</i>	49.19	
23 33 13 16-0125 EA 52" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	112.26	19.83
<i>For Horizontal, Add</i>	7.91	
<i>For Dynamic Damper, Add</i>	11.86	
<i>For 3 Hour Rated, Add</i>	10.54	
<i>For Damper Blades Outside Air Stream, Add</i>	15.81	
23 33 13 16-0126 EA 52" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	120.44	21.01
<i>For Horizontal, Add</i>	8.61	
<i>For Dynamic Damper, Add</i>	12.92	
<i>For 3 Hour Rated, Add</i>	11.48	
<i>For Damper Blades Outside Air Stream, Add</i>	17.22	
23 33 13 16-0127 EA 52" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	132.13	23.32
<i>For Horizontal, Add</i>	9.31	
<i>For Dynamic Damper, Add</i>	13.97	
<i>For 3 Hour Rated, Add</i>	12.42	
<i>For Damper Blades Outside Air Stream, Add</i>	18.62	
23 33 13 16-0128 EA 52" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	140.30	25.64
<i>For Horizontal, Add</i>	9.49	
<i>For Dynamic Damper, Add</i>	14.23	
<i>For 3 Hour Rated, Add</i>	12.65	
<i>For Damper Blades Outside Air Stream, Add</i>	18.98	
23 33 13 16-0129 EA 52" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	152.59	28.02
<i>For Horizontal, Add</i>	10.28	
<i>For Dynamic Damper, Add</i>	15.42	
<i>For 3 Hour Rated, Add</i>	13.71	
<i>For Damper Blades Outside Air Stream, Add</i>	20.56	
23 33 13 16-0130 EA 52" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	164.86	30.33
<i>For Horizontal, Add</i>	11.07	
<i>For Dynamic Damper, Add</i>	16.61	
<i>For 3 Hour Rated, Add</i>	14.76	
<i>For Damper Blades Outside Air Stream, Add</i>	22.14	
23 33 13 16-0131 EA 52" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	178.90	32.65
<i>For Horizontal, Add</i>	12.12	
<i>For Dynamic Damper, Add</i>	18.19	
<i>For 3 Hour Rated, Add</i>	16.17	
<i>For Damper Blades Outside Air Stream, Add</i>	24.25	
23 33 13 16-0132 EA 52" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	192.92	35.02
<i>For Horizontal, Add</i>	13.18	
<i>For Dynamic Damper, Add</i>	19.77	
<i>For 3 Hour Rated, Add</i>	17.57	
<i>For Damper Blades Outside Air Stream, Add</i>	26.36	
23 33 13 16-0133 EA 52" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	210.47	37.33
<i>For Horizontal, Add</i>	14.76	
<i>For Dynamic Damper, Add</i>	22.14	
<i>For 3 Hour Rated, Add</i>	19.68	
<i>For Damper Blades Outside Air Stream, Add</i>	29.52	
23 33 13 16-0134 EA 52" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	231.53	39.65
<i>For Horizontal, Add</i>	16.87	
<i>For Dynamic Damper, Add</i>	25.30	
<i>For 3 Hour Rated, Add</i>	22.49	
<i>For Damper Blades Outside Air Stream, Add</i>	33.74	
23 33 13 16-0135 EA 52" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	246.74	40.84
<i>For Horizontal, Add</i>	18.62	
<i>For Dynamic Damper, Add</i>	27.93	
<i>For 3 Hour Rated, Add</i>	24.83	
<i>For Damper Blades Outside Air Stream, Add</i>	37.25	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0136 EA 52" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	265.48	41.96
For Horizontal, Add	20.91	
For Dynamic Damper, Add	31.36	
For 3 Hour Rated, Add	27.88	
For Damper Blades Outside Air Stream, Add	41.82	
23 33 13 16-0137 EA 52" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	286.52	44.34
For Horizontal, Add	23.01	
For Dynamic Damper, Add	34.52	
For 3 Hour Rated, Add	30.69	
For Damper Blades Outside Air Stream, Add	46.03	
23 33 13 16-0138 EA 52" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	304.08	46.66
For Horizontal, Add	24.60	
For Dynamic Damper, Add	36.90	
For 3 Hour Rated, Add	32.80	
For Damper Blades Outside Air Stream, Add	49.19	
23 33 13 16-0139 EA 52" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	328.65	50.15
For Horizontal, Add	26.71	
For Dynamic Damper, Add	40.06	
For 3 Hour Rated, Add	35.61	
For Damper Blades Outside Air Stream, Add	53.41	
23 33 13 16-0140 EA 52" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	347.36	52.47
For Horizontal, Add	28.46	
For Dynamic Damper, Add	42.69	
For 3 Hour Rated, Add	37.95	
For Damper Blades Outside Air Stream, Add	56.93	
23 33 13 16-0141 EA 56" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	118.10	21.01
For Horizontal, Add	8.26	
For Dynamic Damper, Add	12.39	
For 3 Hour Rated, Add	11.01	
For Damper Blades Outside Air Stream, Add	16.52	
23 33 13 16-0142 EA 56" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	130.96	23.32
For Horizontal, Add	9.14	
For Dynamic Damper, Add	13.70	
For 3 Hour Rated, Add	12.18	
For Damper Blades Outside Air Stream, Add	18.27	
23 33 13 16-0143 EA 56" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	141.48	25.64
For Horizontal, Add	9.66	
For Dynamic Damper, Add	14.50	
For 3 Hour Rated, Add	12.89	
For Damper Blades Outside Air Stream, Add	19.33	
23 33 13 16-0144 EA 56" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	149.65	28.02
For Horizontal, Add	9.84	
For Dynamic Damper, Add	14.76	
For 3 Hour Rated, Add	13.12	
For Damper Blades Outside Air Stream, Add	19.68	
23 33 13 16-0145 EA 56" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	163.10	30.33
For Horizontal, Add	10.81	
For Dynamic Damper, Add	16.21	
For 3 Hour Rated, Add	14.41	
For Damper Blades Outside Air Stream, Add	21.61	
23 33 13 16-0146 EA 56" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	176.55	32.65
For Horizontal, Add	11.77	
For Dynamic Damper, Add	17.66	
For 3 Hour Rated, Add	15.70	
For Damper Blades Outside Air Stream, Add	23.54	
23 33 13 16-0147 EA 56" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	189.99	35.02
For Horizontal, Add	12.74	
For Dynamic Damper, Add	19.11	
For 3 Hour Rated, Add	16.98	
For Damper Blades Outside Air Stream, Add	25.48	
23 33 13 16-0148 EA 56" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	203.44	37.33
For Horizontal, Add	13.70	
For Dynamic Damper, Add	20.56	
For 3 Hour Rated, Add	18.27	
For Damper Blades Outside Air Stream, Add	27.41	
23 33 13 16-0149 EA 56" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	224.49	39.65
For Horizontal, Add	15.81	
For Dynamic Damper, Add	23.72	
For 3 Hour Rated, Add	21.08	
For Damper Blades Outside Air Stream, Add	31.62	
23 33 13 16-0150 EA 56" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	242.07	40.84
For Horizontal, Add	17.92	
For Dynamic Damper, Add	26.88	
For 3 Hour Rated, Add	23.90	
For Damper Blades Outside Air Stream, Add	35.84	
23 33 13 16-0151 EA 56" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	258.45	41.96
For Horizontal, Add	19.85	
For Dynamic Damper, Add	29.78	
For 3 Hour Rated, Add	26.47	
For Damper Blades Outside Air Stream, Add	39.71	
23 33 13 16-0152 EA 56" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	281.85	44.34
For Horizontal, Add	22.31	
For Dynamic Damper, Add	33.47	
For 3 Hour Rated, Add	29.75	
For Damper Blades Outside Air Stream, Add	44.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0153 EA 56" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	302.91	46.66
<i>For Horizontal, Add</i>	24.42	
<i>For Dynamic Damper, Add</i>	36.63	
<i>For 3 Hour Rated, Add</i>	32.56	
<i>For Damper Blades Outside Air Stream, Add</i>	48.84	
23 33 13 16-0154 EA 56" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	325.14	48.96
<i>For Horizontal, Add</i>	26.71	
<i>For Dynamic Damper, Add</i>	40.06	
<i>For 3 Hour Rated, Add</i>	35.61	
<i>For Damper Blades Outside Air Stream, Add</i>	53.41	
23 33 13 16-0155 EA 56" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	343.86	51.34
<i>For Horizontal, Add</i>	28.46	
<i>For Dynamic Damper, Add</i>	42.69	
<i>For 3 Hour Rated, Add</i>	37.95	
<i>For Damper Blades Outside Air Stream, Add</i>	56.93	
23 33 13 16-0156 EA 56" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	366.09	53.66
<i>For Horizontal, Add</i>	30.75	
<i>For Dynamic Damper, Add</i>	46.12	
<i>For 3 Hour Rated, Add</i>	41.00	
<i>For Damper Blades Outside Air Stream, Add</i>	61.49	
23 33 13 16-0157 EA 56" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	388.33	55.97
<i>For Horizontal, Add</i>	33.03	
<i>For Dynamic Damper, Add</i>	49.55	
<i>For 3 Hour Rated, Add</i>	44.04	
<i>For Damper Blades Outside Air Stream, Add</i>	66.06	
23 33 13 16-0158 EA 60" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	128.62	23.32
<i>For Horizontal, Add</i>	8.79	
<i>For Dynamic Damper, Add</i>	13.18	
<i>For 3 Hour Rated, Add</i>	11.71	
<i>For Damper Blades Outside Air Stream, Add</i>	17.57	
23 33 13 16-0159 EA 60" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	141.48	25.64
<i>For Horizontal, Add</i>	9.66	
<i>For Dynamic Damper, Add</i>	14.50	
<i>For 3 Hour Rated, Add</i>	12.89	
<i>For Damper Blades Outside Air Stream, Add</i>	19.33	
23 33 13 16-0160 EA 60" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	150.83	28.02
<i>For Horizontal, Add</i>	10.02	
<i>For Dynamic Damper, Add</i>	15.02	
<i>For 3 Hour Rated, Add</i>	13.35	
<i>For Damper Blades Outside Air Stream, Add</i>	20.03	
23 33 13 16-0161 EA 60" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	159.00	30.33
<i>For Horizontal, Add</i>	10.19	
<i>For Dynamic Damper, Add</i>	15.29	
<i>For 3 Hour Rated, Add</i>	13.59	
<i>For Damper Blades Outside Air Stream, Add</i>	20.38	
23 33 13 16-0162 EA 60" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	173.04	32.65
<i>For Horizontal, Add</i>	11.25	
<i>For Dynamic Damper, Add</i>	16.87	
<i>For 3 Hour Rated, Add</i>	14.99	
<i>For Damper Blades Outside Air Stream, Add</i>	22.49	
23 33 13 16-0163 EA 60" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	187.06	35.02
<i>For Horizontal, Add</i>	12.30	
<i>For Dynamic Damper, Add</i>	18.45	
<i>For 3 Hour Rated, Add</i>	16.40	
<i>For Damper Blades Outside Air Stream, Add</i>	24.60	
23 33 13 16-0164 EA 60" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	201.69	37.33
<i>For Horizontal, Add</i>	13.44	
<i>For Dynamic Damper, Add</i>	20.16	
<i>For 3 Hour Rated, Add</i>	17.92	
<i>For Damper Blades Outside Air Stream, Add</i>	26.88	
23 33 13 16-0165 EA 60" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	216.30	39.65
<i>For Horizontal, Add</i>	14.58	
<i>For Dynamic Damper, Add</i>	21.87	
<i>For 3 Hour Rated, Add</i>	19.44	
<i>For Damper Blades Outside Air Stream, Add</i>	29.17	
23 33 13 16-0166 EA 60" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	235.04	40.84
<i>For Horizontal, Add</i>	16.87	
<i>For Dynamic Damper, Add</i>	25.30	
<i>For 3 Hour Rated, Add</i>	22.49	
<i>For Damper Blades Outside Air Stream, Add</i>	33.74	
23 33 13 16-0167 EA 60" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	252.59	41.96
<i>For Horizontal, Add</i>	18.98	
<i>For Dynamic Damper, Add</i>	28.46	
<i>For 3 Hour Rated, Add</i>	25.30	
<i>For Damper Blades Outside Air Stream, Add</i>	37.95	
23 33 13 16-0168 EA 60" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	274.83	44.34
<i>For Horizontal, Add</i>	21.26	
<i>For Dynamic Damper, Add</i>	31.89	
<i>For 3 Hour Rated, Add</i>	28.35	
<i>For Damper Blades Outside Air Stream, Add</i>	42.52	
23 33 13 16-0169 EA 60" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	297.06	46.66
<i>For Horizontal, Add</i>	23.54	
<i>For Dynamic Damper, Add</i>	35.32	
<i>For 3 Hour Rated, Add</i>	31.39	
<i>For Damper Blades Outside Air Stream, Add</i>	47.09	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0170	EA		60" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	315.77	48.96
			<i>For Horizontal, Add</i>	25.30	
			<i>For Dynamic Damper, Add</i>	37.95	
			<i>For 3 Hour Rated, Add</i>	33.73	
			<i>For Damper Blades Outside Air Stream, Add</i>	50.60	
23 33 13 16-0171	EA		60" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	341.52	51.34
			<i>For Horizontal, Add</i>	28.11	
			<i>For Dynamic Damper, Add</i>	42.17	
			<i>For 3 Hour Rated, Add</i>	37.48	
			<i>For Damper Blades Outside Air Stream, Add</i>	56.22	
23 33 13 16-0172	EA		60" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	364.92	53.66
			<i>For Horizontal, Add</i>	30.57	
			<i>For Dynamic Damper, Add</i>	45.86	
			<i>For 3 Hour Rated, Add</i>	40.76	
			<i>For Damper Blades Outside Air Stream, Add</i>	61.14	
23 33 13 16-0173	EA		60" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	388.33	55.97
			<i>For Horizontal, Add</i>	33.03	
			<i>For Dynamic Damper, Add</i>	49.55	
			<i>For 3 Hour Rated, Add</i>	44.04	
			<i>For Damper Blades Outside Air Stream, Add</i>	66.06	
23 33 13 16-0174	EA		60" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	409.37	58.35
			<i>For Horizontal, Add</i>	35.14	
			<i>For Dynamic Damper, Add</i>	52.71	
			<i>For 3 Hour Rated, Add</i>	46.85	
			<i>For Damper Blades Outside Air Stream, Add</i>	70.28	
23 33 13 16-0175	EA		60" x 60" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	430.45	60.66
			<i>For Horizontal, Add</i>	37.25	
			<i>For Dynamic Damper, Add</i>	55.87	
			<i>For 3 Hour Rated, Add</i>	49.66	
			<i>For Damper Blades Outside Air Stream, Add</i>	74.50	
<b>23 33 13 16-0176 Parallel Blade Louver Fire Damper</b> <small>(23 33 13 16)</small>					
Note: UL listed. Galvanized steel construction with fusible link 160 F spring actuated 1-1/2 hour fire rating.					
23 33 13 16-0177	EA		6" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	57.26	7.77
			<i>For Horizontal, Add</i>	5.09	
			<i>For Dynamic Damper, Add</i>	7.64	
			<i>For 3 Hour Rated, Add</i>	6.79	
23 33 13 16-0178	EA		8" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	59.77	8.12
			<i>For Horizontal, Add</i>	5.31	
			<i>For Dynamic Damper, Add</i>	7.96	
			<i>For 3 Hour Rated, Add</i>	7.08	
23 33 13 16-0179	EA		8" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	61.38	8.19
			<i>For Horizontal, Add</i>	5.53	
			<i>For Dynamic Damper, Add</i>	8.29	
			<i>For 3 Hour Rated, Add</i>	7.37	
23 33 13 16-0180	EA		10" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	61.38	8.19
			<i>For Horizontal, Add</i>	5.53	
			<i>For Dynamic Damper, Add</i>	8.29	
			<i>For 3 Hour Rated, Add</i>	7.37	
23 33 13 16-0181	EA		10" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	63.55	8.41
			<i>For Horizontal, Add</i>	5.75	
			<i>For Dynamic Damper, Add</i>	8.62	
			<i>For 3 Hour Rated, Add</i>	7.67	
23 33 13 16-0182	EA		10" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	69.27	9.31
			<i>For Horizontal, Add</i>	6.19	
			<i>For Dynamic Damper, Add</i>	9.28	
			<i>For 3 Hour Rated, Add</i>	8.25	
23 33 13 16-0183	EA		12" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	63.55	8.41
			<i>For Horizontal, Add</i>	5.75	
			<i>For Dynamic Damper, Add</i>	8.62	
			<i>For 3 Hour Rated, Add</i>	7.67	
23 33 13 16-0184	EA		12" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	67.87	8.90
			<i>For Horizontal, Add</i>	6.19	
			<i>For Dynamic Damper, Add</i>	9.28	
			<i>For 3 Hour Rated, Add</i>	8.25	
23 33 13 16-0185	EA		12" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	70.74	9.31
			<i>For Horizontal, Add</i>	6.41	
			<i>For Dynamic Damper, Add</i>	9.61	
			<i>For 3 Hour Rated, Add</i>	8.54	
23 33 13 16-0186	EA		12" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	75.71	10.51
			<i>For Horizontal, Add</i>	6.63	
			<i>For Dynamic Damper, Add</i>	9.94	
			<i>For 3 Hour Rated, Add</i>	8.84	
23 33 13 16-0187	EA		14" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	67.14	8.90
			<i>For Horizontal, Add</i>	6.08	
			<i>For Dynamic Damper, Add</i>	9.12	
			<i>For 3 Hour Rated, Add</i>	8.10	
23 33 13 16-0188	EA		14" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	70.74	9.31
			<i>For Horizontal, Add</i>	6.41	
			<i>For Dynamic Damper, Add</i>	9.61	
			<i>For 3 Hour Rated, Add</i>	8.54	
23 33 13 16-0189	EA		14" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	73.60	9.81
			<i>For Horizontal, Add</i>	6.63	
			<i>For Dynamic Damper, Add</i>	9.94	
			<i>For 3 Hour Rated, Add</i>	8.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0190 EA 14" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	77.17	10.51
<i>For Horizontal, Add</i>	6.85	
<i>For Dynamic Damper, Add</i>	10.27	
<i>For 3 Hour Rated, Add</i>	9.13	
23 33 13 16-0191 EA 14" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	84.33	11.70
<i>For Horizontal, Add</i>	7.40	
<i>For Dynamic Damper, Add</i>	11.09	
<i>For 3 Hour Rated, Add</i>	9.86	
23 33 13 16-0192 EA 16" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	87.68	9.31
<i>For Horizontal, Add</i>	8.95	
<i>For Dynamic Damper, Add</i>	13.42	
<i>For 3 Hour Rated, Add</i>	11.93	
23 33 13 16-0193 EA 16" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	91.43	10.02
<i>For Horizontal, Add</i>	9.20	
<i>For Dynamic Damper, Add</i>	13.79	
<i>For 3 Hour Rated, Add</i>	12.26	
23 33 13 16-0194 EA 16" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	95.88	11.00
<i>For Horizontal, Add</i>	9.44	
<i>For Dynamic Damper, Add</i>	14.16	
<i>For 3 Hour Rated, Add</i>	12.59	
23 33 13 16-0195 EA 16" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	99.60	11.70
<i>For Horizontal, Add</i>	9.69	
<i>For Dynamic Damper, Add</i>	14.53	
<i>For 3 Hour Rated, Add</i>	12.92	
23 33 13 16-0196 EA 16" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	107.22	12.82
<i>For Horizontal, Add</i>	10.30	
<i>For Dynamic Damper, Add</i>	15.46	
<i>For 3 Hour Rated, Add</i>	13.74	
23 33 13 16-0197 EA 16" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	114.82	14.01
<i>For Horizontal, Add</i>	10.92	
<i>For Dynamic Damper, Add</i>	16.38	
<i>For 3 Hour Rated, Add</i>	14.56	
23 33 13 16-0198 EA 18" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	90.72	9.81
<i>For Horizontal, Add</i>	9.20	
<i>For Dynamic Damper, Add</i>	13.79	
<i>For 3 Hour Rated, Add</i>	12.26	
23 33 13 16-0199 EA 18" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	95.29	10.51
<i>For Horizontal, Add</i>	9.56	
<i>For Dynamic Damper, Add</i>	14.35	
<i>For 3 Hour Rated, Add</i>	12.75	
23 33 13 16-0200 EA 18" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	101.26	11.70
<i>For Horizontal, Add</i>	9.94	
<i>For Dynamic Damper, Add</i>	14.90	
<i>For 3 Hour Rated, Add</i>	13.25	
23 33 13 16-0201 EA 18" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	108.86	12.82
<i>For Horizontal, Add</i>	10.55	
<i>For Dynamic Damper, Add</i>	15.82	
<i>For 3 Hour Rated, Add</i>	14.07	
23 33 13 16-0202 EA 18" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	115.64	14.01
<i>For Horizontal, Add</i>	11.04	
<i>For Dynamic Damper, Add</i>	16.56	
<i>For 3 Hour Rated, Add</i>	14.72	
23 33 13 16-0203 EA 18" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	123.25	15.13
<i>For Horizontal, Add</i>	11.66	
<i>For Dynamic Damper, Add</i>	17.48	
<i>For 3 Hour Rated, Add</i>	15.54	
23 33 13 16-0204 EA 18" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	129.20	16.32
<i>For Horizontal, Add</i>	12.03	
<i>For Dynamic Damper, Add</i>	18.04	
<i>For 3 Hour Rated, Add</i>	16.03	
23 33 13 16-0205 EA 20" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	94.48	10.51
<i>For Horizontal, Add</i>	9.44	
<i>For Dynamic Damper, Add</i>	14.16	
<i>For 3 Hour Rated, Add</i>	12.59	
23 33 13 16-0206 EA 20" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	101.24	11.70
<i>For Horizontal, Add</i>	9.93	
<i>For Dynamic Damper, Add</i>	14.90	
<i>For 3 Hour Rated, Add</i>	13.24	
23 33 13 16-0207 EA 20" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	108.04	12.82
<i>For Horizontal, Add</i>	10.43	
<i>For Dynamic Damper, Add</i>	15.64	
<i>For 3 Hour Rated, Add</i>	13.90	
23 33 13 16-0208 EA 20" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	118.11	14.01
<i>For Horizontal, Add</i>	11.41	
<i>For Dynamic Damper, Add</i>	17.12	
<i>For 3 Hour Rated, Add</i>	15.22	
23 33 13 16-0209 EA 20" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	124.08	15.13
<i>For Horizontal, Add</i>	11.78	
<i>For Dynamic Damper, Add</i>	17.67	
<i>For 3 Hour Rated, Add</i>	15.71	
23 33 13 16-0210 EA 20" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	130.02	16.32
<i>For Horizontal, Add</i>	12.15	
<i>For Dynamic Damper, Add</i>	18.22	
<i>For 3 Hour Rated, Add</i>	16.20	



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0211	EA		20" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	136.81	17.52
			<i>For Horizontal, Add</i>	12.64	
			<i>For Dynamic Damper, Add</i>	18.96	
			<i>For 3 Hour Rated, Add</i>	16.85	
23 33 13 16-0212	EA		20" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	143.58	18.64
			<i>For Horizontal, Add</i>	13.13	
			<i>For Dynamic Damper, Add</i>	19.70	
			<i>For 3 Hour Rated, Add</i>	17.51	
23 33 13 16-0213	EA		24" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	116.32	11.70
			<i>For Horizontal, Add</i>	12.20	
			<i>For Dynamic Damper, Add</i>	18.29	
			<i>For 3 Hour Rated, Add</i>	16.26	
23 33 13 16-0214	EA		24" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	124.76	12.82
			<i>For Horizontal, Add</i>	12.93	
			<i>For Dynamic Damper, Add</i>	19.40	
			<i>For 3 Hour Rated, Add</i>	17.25	
23 33 13 16-0215	EA		24" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	131.55	14.01
			<i>For Horizontal, Add</i>	13.43	
			<i>For Dynamic Damper, Add</i>	20.14	
			<i>For 3 Hour Rated, Add</i>	17.90	
23 33 13 16-0216	EA		24" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	139.96	15.13
			<i>For Horizontal, Add</i>	14.16	
			<i>For Dynamic Damper, Add</i>	21.24	
			<i>For 3 Hour Rated, Add</i>	18.88	
23 33 13 16-0217	EA		24" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	145.92	16.32
			<i>For Horizontal, Add</i>	14.53	
			<i>For Dynamic Damper, Add</i>	21.80	
			<i>For 3 Hour Rated, Add</i>	19.38	
23 33 13 16-0218	EA		24" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	151.88	17.52
			<i>For Horizontal, Add</i>	14.90	
			<i>For Dynamic Damper, Add</i>	22.35	
			<i>For 3 Hour Rated, Add</i>	19.87	
23 33 13 16-0219	EA		24" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	160.30	18.64
			<i>For Horizontal, Add</i>	15.64	
			<i>For Dynamic Damper, Add</i>	23.46	
			<i>For 3 Hour Rated, Add</i>	20.85	
23 33 13 16-0220	EA		24" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	172.22	21.01
			<i>For Horizontal, Add</i>	16.38	
			<i>For Dynamic Damper, Add</i>	24.57	
			<i>For 3 Hour Rated, Add</i>	21.84	
23 33 13 16-0221	EA		24" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	185.79	23.32
			<i>For Horizontal, Add</i>	17.36	
			<i>For Dynamic Damper, Add</i>	26.04	
			<i>For 3 Hour Rated, Add</i>	23.15	
23 33 13 16-0222	EA		28" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	124.76	12.82
			<i>For Horizontal, Add</i>	12.93	
			<i>For Dynamic Damper, Add</i>	19.40	
			<i>For 3 Hour Rated, Add</i>	17.25	
23 33 13 16-0223	EA		28" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	131.55	14.01
			<i>For Horizontal, Add</i>	13.43	
			<i>For Dynamic Damper, Add</i>	20.14	
			<i>For 3 Hour Rated, Add</i>	17.90	
23 33 13 16-0224	EA		28" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	139.96	15.13
			<i>For Horizontal, Add</i>	14.16	
			<i>For Dynamic Damper, Add</i>	21.24	
			<i>For 3 Hour Rated, Add</i>	18.88	
23 33 13 16-0225	EA		28" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	146.73	16.32
			<i>For Horizontal, Add</i>	14.66	
			<i>For Dynamic Damper, Add</i>	21.98	
			<i>For 3 Hour Rated, Add</i>	19.54	
23 33 13 16-0226	EA		28" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	154.35	17.52
			<i>For Horizontal, Add</i>	15.27	
			<i>For Dynamic Damper, Add</i>	22.91	
			<i>For 3 Hour Rated, Add</i>	20.36	
23 33 13 16-0227	EA		28" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	161.93	18.64
			<i>For Horizontal, Add</i>	15.88	
			<i>For Dynamic Damper, Add</i>	23.83	
			<i>For 3 Hour Rated, Add</i>	21.18	
23 33 13 16-0228	EA		28" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	173.86	21.01
			<i>For Horizontal, Add</i>	16.62	
			<i>For Dynamic Damper, Add</i>	24.93	
			<i>For 3 Hour Rated, Add</i>	22.16	
23 33 13 16-0229	EA		28" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	185.79	23.32
			<i>For Horizontal, Add</i>	17.36	
			<i>For Dynamic Damper, Add</i>	26.04	
			<i>For 3 Hour Rated, Add</i>	23.15	
23 33 13 16-0230	EA		28" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	199.14	24.52
			<i>For Horizontal, Add</i>	18.84	
			<i>For Dynamic Damper, Add</i>	28.26	
			<i>For 3 Hour Rated, Add</i>	25.12	
23 33 13 16-0231	EA		28" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	214.34	26.83
			<i>For Horizontal, Add</i>	20.07	
			<i>For Dynamic Damper, Add</i>	30.10	
			<i>For 3 Hour Rated, Add</i>	26.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0232 EA 32" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	136.45	14.01
<i>For Horizontal, Add</i>	14.16	
<i>For Dynamic Damper, Add</i>	21.24	
<i>For 3 Hour Rated, Add</i>	18.88	
23 33 13 16-0233 EA 32" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	141.59	15.13
<i>For Horizontal, Add</i>	14.41	
<i>For Dynamic Damper, Add</i>	21.61	
<i>For 3 Hour Rated, Add</i>	19.21	
23 33 13 16-0234 EA 32" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	146.73	16.32
<i>For Horizontal, Add</i>	14.66	
<i>For Dynamic Damper, Add</i>	21.98	
<i>For 3 Hour Rated, Add</i>	19.54	
23 33 13 16-0235 EA 32" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	153.51	17.52
<i>For Horizontal, Add</i>	15.15	
<i>For Dynamic Damper, Add</i>	22.72	
<i>For 3 Hour Rated, Add</i>	20.19	
23 33 13 16-0236 EA 32" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	162.24	18.64
<i>For Horizontal, Add</i>	15.93	
<i>For Dynamic Damper, Add</i>	23.90	
<i>For 3 Hour Rated, Add</i>	21.24	
23 33 13 16-0237 EA 32" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	173.86	21.01
<i>For Horizontal, Add</i>	16.62	
<i>For Dynamic Damper, Add</i>	24.93	
<i>For 3 Hour Rated, Add</i>	22.16	
23 33 13 16-0238 EA 32" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	187.44	23.32
<i>For Horizontal, Add</i>	17.61	
<i>For Dynamic Damper, Add</i>	26.41	
<i>For 3 Hour Rated, Add</i>	23.48	
23 33 13 16-0239 EA 32" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	201.00	25.64
<i>For Horizontal, Add</i>	18.59	
<i>For Dynamic Damper, Add</i>	27.89	
<i>For 3 Hour Rated, Add</i>	24.79	
23 33 13 16-0240 EA 32" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	214.34	26.83
<i>For Horizontal, Add</i>	20.07	
<i>For Dynamic Damper, Add</i>	30.10	
<i>For 3 Hour Rated, Add</i>	26.76	
23 33 13 16-0241 EA 32" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	231.42	28.72
<i>For Horizontal, Add</i>	21.79	
<i>For Dynamic Damper, Add</i>	32.68	
<i>For 3 Hour Rated, Add</i>	29.05	
23 33 13 16-0242 EA 32" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	249.44	30.33
<i>For Horizontal, Add</i>	23.76	
<i>For Dynamic Damper, Add</i>	35.64	
<i>For 3 Hour Rated, Add</i>	31.68	
23 33 13 16-0243 EA 36" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	153.32	15.13
<i>For Horizontal, Add</i>	16.17	
<i>For Dynamic Damper, Add</i>	24.25	
<i>For 3 Hour Rated, Add</i>	21.56	
23 33 13 16-0244 EA 36" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	160.54	16.32
<i>For Horizontal, Add</i>	16.73	
<i>For Dynamic Damper, Add</i>	25.09	
<i>For 3 Hour Rated, Add</i>	22.30	
23 33 13 16-0245 EA 36" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	167.80	17.52
<i>For Horizontal, Add</i>	17.29	
<i>For Dynamic Damper, Add</i>	25.93	
<i>For 3 Hour Rated, Add</i>	23.05	
23 33 13 16-0246 EA 36" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	176.93	18.64
<i>For Horizontal, Add</i>	18.13	
<i>For Dynamic Damper, Add</i>	27.20	
<i>For 3 Hour Rated, Add</i>	24.18	
23 33 13 16-0247 EA 36" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	186.75	21.01
<i>For Horizontal, Add</i>	18.56	
<i>For Dynamic Damper, Add</i>	27.83	
<i>For 3 Hour Rated, Add</i>	24.74	
23 33 13 16-0248 EA 36" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	193.08	22.13
<i>For Horizontal, Add</i>	18.98	
<i>For Dynamic Damper, Add</i>	28.47	
<i>For 3 Hour Rated, Add</i>	25.31	
23 33 13 16-0249 EA 36" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	212.95	25.64
<i>For Horizontal, Add</i>	20.39	
<i>For Dynamic Damper, Add</i>	30.58	
<i>For 3 Hour Rated, Add</i>	27.18	
23 33 13 16-0250 EA 36" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	229.32	28.02
<i>For Horizontal, Add</i>	21.79	
<i>For Dynamic Damper, Add</i>	32.68	
<i>For 3 Hour Rated, Add</i>	29.05	
23 33 13 16-0251 EA 36" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	243.37	28.93
<i>For Horizontal, Add</i>	23.48	
<i>For Dynamic Damper, Add</i>	35.21	
<i>For 3 Hour Rated, Add</i>	31.30	
23 33 13 16-0252 EA 36" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	264.66	31.03
<i>For Horizontal, Add</i>	25.72	
<i>For Dynamic Damper, Add</i>	38.59	
<i>For 3 Hour Rated, Add</i>	34.30	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0253	EA		36" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	282.67	32.65
			<i>For Horizontal, Add</i>	27.69	
			<i>For Dynamic Damper, Add</i>	41.54	
			<i>For 3 Hour Rated, Add</i>	36.92	
23 33 13 16-0254	EA		36" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	301.18	33.83
			<i>For Horizontal, Add</i>	29.94	
			<i>For Dynamic Damper, Add</i>	44.91	
			<i>For 3 Hour Rated, Add</i>	39.92	
23 33 13 16-0255	EA		40" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	172.11	17.52
			<i>For Horizontal, Add</i>	18.46	
			<i>For Dynamic Damper, Add</i>	27.69	
			<i>For 3 Hour Rated, Add</i>	24.62	
23 33 13 16-0256	EA		40" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	183.12	18.64
			<i>For Horizontal, Add</i>	19.59	
			<i>For Dynamic Damper, Add</i>	29.38	
			<i>For 3 Hour Rated, Add</i>	26.12	
23 33 13 16-0257	EA		40" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	188.49	19.83
			<i>For Horizontal, Add</i>	19.87	
			<i>For Dynamic Damper, Add</i>	29.80	
			<i>For 3 Hour Rated, Add</i>	26.49	
23 33 13 16-0258	EA		40" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	193.88	21.01
			<i>For Horizontal, Add</i>	20.15	
			<i>For Dynamic Damper, Add</i>	30.22	
			<i>For 3 Hour Rated, Add</i>	26.87	
23 33 13 16-0259	EA		40" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	207.44	22.13
			<i>For Horizontal, Add</i>	21.13	
			<i>For Dynamic Damper, Add</i>	31.70	
			<i>For 3 Hour Rated, Add</i>	28.18	
23 33 13 16-0260	EA		40" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	217.50	23.32
			<i>For Horizontal, Add</i>	22.12	
			<i>For Dynamic Damper, Add</i>	33.18	
			<i>For 3 Hour Rated, Add</i>	29.49	
23 33 13 16-0261	EA		40" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	235.51	26.83
			<i>For Horizontal, Add</i>	23.24	
			<i>For Dynamic Damper, Add</i>	34.86	
			<i>For 3 Hour Rated, Add</i>	30.99	
23 33 13 16-0262	EA		40" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	250.01	29.14
			<i>For Horizontal, Add</i>	24.37	
			<i>For Dynamic Damper, Add</i>	36.55	
			<i>For 3 Hour Rated, Add</i>	32.49	
23 33 13 16-0263	EA		40" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	266.86	31.03
			<i>For Horizontal, Add</i>	26.05	
			<i>For Dynamic Damper, Add</i>	39.08	
			<i>For 3 Hour Rated, Add</i>	34.74	
23 33 13 16-0264	EA		40" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	292.37	32.65
			<i>For Horizontal, Add</i>	29.15	
			<i>For Dynamic Damper, Add</i>	43.72	
			<i>For 3 Hour Rated, Add</i>	38.86	
23 33 13 16-0265	EA		40" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	309.21	34.53
			<i>For Horizontal, Add</i>	30.83	
			<i>For Dynamic Damper, Add</i>	46.25	
			<i>For 3 Hour Rated, Add</i>	41.11	
23 33 13 16-0266	EA		40" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	332.63	35.45
			<i>For Horizontal, Add</i>	33.92	
			<i>For Dynamic Damper, Add</i>	50.89	
			<i>For 3 Hour Rated, Add</i>	45.23	
23 33 13 16-0267	EA		40" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	356.98	37.33
			<i>For Horizontal, Add</i>	36.74	
			<i>For Dynamic Damper, Add</i>	55.10	
			<i>For 3 Hour Rated, Add</i>	48.98	
23 33 13 16-0268	EA		44" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	179.37	17.52
			<i>For Horizontal, Add</i>	19.02	
			<i>For Dynamic Damper, Add</i>	28.54	
			<i>For 3 Hour Rated, Add</i>	25.37	
23 33 13 16-0269	EA		44" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	190.37	18.64
			<i>For Horizontal, Add</i>	20.15	
			<i>For Dynamic Damper, Add</i>	30.22	
			<i>For 3 Hour Rated, Add</i>	26.87	
23 33 13 16-0270	EA		44" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	199.51	19.83
			<i>For Horizontal, Add</i>	20.99	
			<i>For Dynamic Damper, Add</i>	31.49	
			<i>For 3 Hour Rated, Add</i>	27.99	
23 33 13 16-0271	EA		44" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	204.87	21.01
			<i>For Horizontal, Add</i>	21.27	
			<i>For Dynamic Damper, Add</i>	31.91	
			<i>For 3 Hour Rated, Add</i>	28.37	
23 33 13 16-0272	EA		44" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	215.88	22.13
			<i>For Horizontal, Add</i>	22.40	
			<i>For Dynamic Damper, Add</i>	33.60	
			<i>For 3 Hour Rated, Add</i>	29.87	
23 33 13 16-0273	EA		44" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	226.88	23.32
			<i>For Horizontal, Add</i>	23.52	
			<i>For Dynamic Damper, Add</i>	35.29	
			<i>For 3 Hour Rated, Add</i>	31.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0274 EA 44" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	250.26	28.02
<i>For Horizontal, Add</i>	24.93	
<i>For Dynamic Damper, Add</i>	37.40	
<i>For 3 Hour Rated, Add</i>	33.24	
23 33 13 16-0275 EA 44" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	266.62	30.33
<i>For Horizontal, Add</i>	26.33	
<i>For Dynamic Damper, Add</i>	39.50	
<i>For 3 Hour Rated, Add</i>	35.11	
23 33 13 16-0276 EA 44" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	292.37	32.65
<i>For Horizontal, Add</i>	29.15	
<i>For Dynamic Damper, Add</i>	43.72	
<i>For 3 Hour Rated, Add</i>	38.86	
23 33 13 16-0277 EA 44" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	316.24	35.02
<i>For Horizontal, Add</i>	31.68	
<i>For Dynamic Damper, Add</i>	47.51	
<i>For 3 Hour Rated, Add</i>	42.23	
23 33 13 16-0278 EA 44" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	341.98	37.33
<i>For Horizontal, Add</i>	34.49	
<i>For Dynamic Damper, Add</i>	51.73	
<i>For 3 Hour Rated, Add</i>	45.98	
23 33 13 16-0279 EA 44" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	362.35	38.46
<i>For Horizontal, Add</i>	37.02	
<i>For Dynamic Damper, Add</i>	55.52	
<i>For 3 Hour Rated, Add</i>	49.35	
23 33 13 16-0280 EA 44" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	382.72	39.65
<i>For Horizontal, Add</i>	39.55	
<i>For Dynamic Damper, Add</i>	59.32	
<i>For 3 Hour Rated, Add</i>	52.73	
23 33 13 16-0281 EA 44" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	403.11	40.84
<i>For Horizontal, Add</i>	42.08	
<i>For Dynamic Damper, Add</i>	63.12	
<i>For 3 Hour Rated, Add</i>	56.10	
23 33 13 16-0282 EA 48" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	188.49	18.64
<i>For Horizontal, Add</i>	19.87	
<i>For Dynamic Damper, Add</i>	29.80	
<i>For 3 Hour Rated, Add</i>	26.49	
23 33 13 16-0283 EA 48" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	199.51	19.83
<i>For Horizontal, Add</i>	20.99	
<i>For Dynamic Damper, Add</i>	31.49	
<i>For 3 Hour Rated, Add</i>	27.99	
23 33 13 16-0284 EA 48" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	204.87	21.01
<i>For Horizontal, Add</i>	21.27	
<i>For Dynamic Damper, Add</i>	31.91	
<i>For 3 Hour Rated, Add</i>	28.37	
23 33 13 16-0285 EA 48" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	217.50	23.32
<i>For Horizontal, Add</i>	22.12	
<i>For Dynamic Damper, Add</i>	33.18	
<i>For 3 Hour Rated, Add</i>	29.49	
23 33 13 16-0286 EA 48" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	232.00	25.64
<i>For Horizontal, Add</i>	23.24	
<i>For Dynamic Damper, Add</i>	34.86	
<i>For 3 Hour Rated, Add</i>	30.99	
23 33 13 16-0287 EA 48" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	246.50	28.02
<i>For Horizontal, Add</i>	24.37	
<i>For Dynamic Damper, Add</i>	36.55	
<i>For 3 Hour Rated, Add</i>	32.49	
23 33 13 16-0288 EA 48" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	264.75	30.33
<i>For Horizontal, Add</i>	26.05	
<i>For Dynamic Damper, Add</i>	39.08	
<i>For 3 Hour Rated, Add</i>	34.74	
23 33 13 16-0289 EA 48" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	283.00	32.65
<i>For Horizontal, Add</i>	27.74	
<i>For Dynamic Damper, Add</i>	41.61	
<i>For 3 Hour Rated, Add</i>	36.99	
23 33 13 16-0290 EA 48" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	306.87	35.02
<i>For Horizontal, Add</i>	30.27	
<i>For Dynamic Damper, Add</i>	45.41	
<i>For 3 Hour Rated, Add</i>	40.36	
23 33 13 16-0291 EA 48" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	334.48	37.33
<i>For Horizontal, Add</i>	33.36	
<i>For Dynamic Damper, Add</i>	50.04	
<i>For 3 Hour Rated, Add</i>	44.48	
23 33 13 16-0292 EA 48" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	354.87	38.46
<i>For Horizontal, Add</i>	35.89	
<i>For Dynamic Damper, Add</i>	53.84	
<i>For 3 Hour Rated, Add</i>	47.86	
23 33 13 16-0293 EA 48" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	380.84	39.65
<i>For Horizontal, Add</i>	39.26	
<i>For Dynamic Damper, Add</i>	58.90	
<i>For 3 Hour Rated, Add</i>	52.35	
23 33 13 16-0294 EA 48" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	404.73	41.96
<i>For Horizontal, Add</i>	41.80	
<i>For Dynamic Damper, Add</i>	62.69	
<i>For 3 Hour Rated, Add</i>	55.73	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0295	EA		48" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	430.72	43.15
			<i>For Horizontal, Add</i>	45.17	
			<i>For Dynamic Damper, Add</i>	67.75	
			<i>For 3 Hour Rated, Add</i>	60.23	
23 33 13 16-0296	EA		48" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	456.22	46.66
			<i>For Horizontal, Add</i>	47.42	
			<i>For Dynamic Damper, Add</i>	71.13	
			<i>For 3 Hour Rated, Add</i>	63.22	
23 33 13 16-0297	EA		52" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	197.63	19.83
			<i>For Horizontal, Add</i>	20.71	
			<i>For Dynamic Damper, Add</i>	31.07	
			<i>For 3 Hour Rated, Add</i>	27.62	
23 33 13 16-0298	EA		52" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	208.62	21.01
			<i>For Horizontal, Add</i>	21.84	
			<i>For Dynamic Damper, Add</i>	32.76	
			<i>For 3 Hour Rated, Add</i>	29.12	
23 33 13 16-0299	EA		52" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	223.13	23.32
			<i>For Horizontal, Add</i>	22.96	
			<i>For Dynamic Damper, Add</i>	34.44	
			<i>For 3 Hour Rated, Add</i>	30.62	
23 33 13 16-0300	EA		52" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	232.00	25.64
			<i>For Horizontal, Add</i>	23.24	
			<i>For Dynamic Damper, Add</i>	34.86	
			<i>For 3 Hour Rated, Add</i>	30.99	
23 33 13 16-0301	EA		52" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	247.45	28.02
			<i>For Horizontal, Add</i>	24.51	
			<i>For Dynamic Damper, Add</i>	36.76	
			<i>For 3 Hour Rated, Add</i>	32.68	
23 33 13 16-0302	EA		52" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	262.87	30.33
			<i>For Horizontal, Add</i>	25.77	
			<i>For Dynamic Damper, Add</i>	38.66	
			<i>For 3 Hour Rated, Add</i>	34.36	
23 33 13 16-0303	EA		52" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	281.13	32.65
			<i>For Horizontal, Add</i>	27.46	
			<i>For Dynamic Damper, Add</i>	41.19	
			<i>For 3 Hour Rated, Add</i>	36.61	
23 33 13 16-0304	EA		52" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	299.37	35.02
			<i>For Horizontal, Add</i>	29.15	
			<i>For Dynamic Damper, Add</i>	43.72	
			<i>For 3 Hour Rated, Add</i>	38.86	
23 33 13 16-0305	EA		52" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	323.25	37.33
			<i>For Horizontal, Add</i>	31.68	
			<i>For Dynamic Damper, Add</i>	47.51	
			<i>For 3 Hour Rated, Add</i>	42.23	
23 33 13 16-0306	EA		52" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	352.73	39.65
			<i>For Horizontal, Add</i>	35.05	
			<i>For Dynamic Damper, Add</i>	52.57	
			<i>For 3 Hour Rated, Add</i>	46.73	
23 33 13 16-0307	EA		52" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	374.98	40.84
			<i>For Horizontal, Add</i>	37.86	
			<i>For Dynamic Damper, Add</i>	56.79	
			<i>For 3 Hour Rated, Add</i>	50.48	
23 33 13 16-0308	EA		52" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	402.85	41.96
			<i>For Horizontal, Add</i>	41.51	
			<i>For Dynamic Damper, Add</i>	62.27	
			<i>For 3 Hour Rated, Add</i>	55.35	
23 33 13 16-0309	EA		52" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	432.33	44.34
			<i>For Horizontal, Add</i>	44.89	
			<i>For Dynamic Damper, Add</i>	67.33	
			<i>For 3 Hour Rated, Add</i>	59.85	
23 33 13 16-0310	EA		52" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	456.22	46.66
			<i>For Horizontal, Add</i>	47.42	
			<i>For Dynamic Damper, Add</i>	71.13	
			<i>For 3 Hour Rated, Add</i>	63.22	
23 33 13 16-0311	EA		52" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	489.21	50.15
			<i>For Horizontal, Add</i>	50.79	
			<i>For Dynamic Damper, Add</i>	76.19	
			<i>For 3 Hour Rated, Add</i>	67.72	
23 33 13 16-0312	EA		52" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	514.96	52.47
			<i>For Horizontal, Add</i>	53.60	
			<i>For Dynamic Damper, Add</i>	80.40	
			<i>For 3 Hour Rated, Add</i>	71.47	
23 33 13 16-0313	EA		56" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	204.87	21.01
			<i>For Horizontal, Add</i>	21.27	
			<i>For Dynamic Damper, Add</i>	31.91	
			<i>For 3 Hour Rated, Add</i>	28.37	
23 33 13 16-0314	EA		56" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	221.24	23.32
			<i>For Horizontal, Add</i>	22.68	
			<i>For Dynamic Damper, Add</i>	34.02	
			<i>For 3 Hour Rated, Add</i>	30.24	
23 33 13 16-0315	EA		56" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	233.88	25.64
			<i>For Horizontal, Add</i>	23.52	
			<i>For Dynamic Damper, Add</i>	35.29	
			<i>For 3 Hour Rated, Add</i>	31.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0316 EA 56" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	242.75	28.02
<i>For Horizontal, Add</i>	23.80	
<i>For Dynamic Damper, Add</i>	35.71	
<i>For 3 Hour Rated, Add</i>	31.74	
23 33 13 16-0317 EA 56" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	260.07	30.33
<i>For Horizontal, Add</i>	25.35	
<i>For Dynamic Damper, Add</i>	38.03	
<i>For 3 Hour Rated, Add</i>	33.80	
23 33 13 16-0318 EA 56" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	277.38	32.65
<i>For Horizontal, Add</i>	26.90	
<i>For Dynamic Damper, Add</i>	40.34	
<i>For 3 Hour Rated, Add</i>	35.86	
23 33 13 16-0319 EA 56" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	294.69	35.02
<i>For Horizontal, Add</i>	28.44	
<i>For Dynamic Damper, Add</i>	42.66	
<i>For 3 Hour Rated, Add</i>	37.92	
23 33 13 16-0320 EA 56" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	312.00	37.33
<i>For Horizontal, Add</i>	29.99	
<i>For Dynamic Damper, Add</i>	44.98	
<i>For 3 Hour Rated, Add</i>	39.98	
23 33 13 16-0321 EA 56" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	341.48	39.65
<i>For Horizontal, Add</i>	33.36	
<i>For Dynamic Damper, Add</i>	50.04	
<i>For 3 Hour Rated, Add</i>	44.48	
23 33 13 16-0322 EA 56" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	367.49	40.84
<i>For Horizontal, Add</i>	36.74	
<i>For Dynamic Damper, Add</i>	55.10	
<i>For 3 Hour Rated, Add</i>	48.98	
23 33 13 16-0323 EA 56" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	391.60	41.96
<i>For Horizontal, Add</i>	39.83	
<i>For Dynamic Damper, Add</i>	59.74	
<i>For 3 Hour Rated, Add</i>	53.10	
23 33 13 16-0324 EA 56" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	424.85	44.34
<i>For Horizontal, Add</i>	43.76	
<i>For Dynamic Damper, Add</i>	65.65	
<i>For 3 Hour Rated, Add</i>	58.35	
23 33 13 16-0325 EA 56" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	454.34	46.66
<i>For Horizontal, Add</i>	47.14	
<i>For Dynamic Damper, Add</i>	70.70	
<i>For 3 Hour Rated, Add</i>	62.85	
23 33 13 16-0326 EA 56" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	485.70	48.96
<i>For Horizontal, Add</i>	50.79	
<i>For Dynamic Damper, Add</i>	76.19	
<i>For 3 Hour Rated, Add</i>	67.72	
23 33 13 16-0327 EA 56" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	511.46	51.34
<i>For Horizontal, Add</i>	53.60	
<i>For Dynamic Damper, Add</i>	80.40	
<i>For 3 Hour Rated, Add</i>	71.47	
23 33 13 16-0328 EA 56" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	542.82	53.66
<i>For Horizontal, Add</i>	57.26	
<i>For Dynamic Damper, Add</i>	85.88	
<i>For 3 Hour Rated, Add</i>	76.34	
23 33 13 16-0329 EA 56" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	574.19	55.97
<i>For Horizontal, Add</i>	60.91	
<i>For Dynamic Damper, Add</i>	91.37	
<i>For 3 Hour Rated, Add</i>	81.21	
23 33 13 16-0330 EA 60" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	217.50	23.32
<i>For Horizontal, Add</i>	22.12	
<i>For Dynamic Damper, Add</i>	33.18	
<i>For 3 Hour Rated, Add</i>	29.49	
23 33 13 16-0331 EA 60" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	233.88	25.64
<i>For Horizontal, Add</i>	23.52	
<i>For Dynamic Damper, Add</i>	35.29	
<i>For 3 Hour Rated, Add</i>	31.37	
23 33 13 16-0332 EA 60" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	244.62	28.02
<i>For Horizontal, Add</i>	24.08	
<i>For Dynamic Damper, Add</i>	36.13	
<i>For 3 Hour Rated, Add</i>	32.11	
23 33 13 16-0333 EA 60" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	253.50	30.33
<i>For Horizontal, Add</i>	24.37	
<i>For Dynamic Damper, Add</i>	36.55	
<i>For 3 Hour Rated, Add</i>	32.49	
23 33 13 16-0334 EA 60" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	271.76	32.65
<i>For Horizontal, Add</i>	26.05	
<i>For Dynamic Damper, Add</i>	39.08	
<i>For 3 Hour Rated, Add</i>	34.74	
23 33 13 16-0335 EA 60" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	290.00	35.02
<i>For Horizontal, Add</i>	27.74	
<i>For Dynamic Damper, Add</i>	41.61	
<i>For 3 Hour Rated, Add</i>	36.99	
23 33 13 16-0336 EA 60" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	309.19	37.33
<i>For Horizontal, Add</i>	29.57	
<i>For Dynamic Damper, Add</i>	44.35	
<i>For 3 Hour Rated, Add</i>	39.42	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0337 EA 60" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	328.37	39.65
For Horizontal, Add	31.39	
For Dynamic Damper, Add	47.09	
For 3 Hour Rated, Add	41.86	
23 33 13 16-0338 EA 60" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	356.24	40.84
For Horizontal, Add	35.05	
For Dynamic Damper, Add	52.57	
For 3 Hour Rated, Add	46.73	
23 33 13 16-0339 EA 60" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	382.23	41.96
For Horizontal, Add	38.42	
For Dynamic Damper, Add	57.63	
For 3 Hour Rated, Add	51.23	
23 33 13 16-0340 EA 60" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	413.61	44.34
For Horizontal, Add	42.08	
For Dynamic Damper, Add	63.12	
For 3 Hour Rated, Add	56.10	
23 33 13 16-0341 EA 60" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	444.98	46.66
For Horizontal, Add	45.73	
For Dynamic Damper, Add	68.60	
For 3 Hour Rated, Add	60.98	
23 33 13 16-0342 EA 60" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	470.72	48.96
For Horizontal, Add	48.54	
For Dynamic Damper, Add	72.81	
For 3 Hour Rated, Add	64.72	
23 33 13 16-0343 EA 60" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	507.71	51.34
For Horizontal, Add	53.04	
For Dynamic Damper, Add	79.56	
For 3 Hour Rated, Add	70.72	
23 33 13 16-0344 EA 60" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	540.94	53.66
For Horizontal, Add	56.97	
For Dynamic Damper, Add	85.46	
For 3 Hour Rated, Add	75.97	
23 33 13 16-0345 EA 60" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	574.19	55.97
For Horizontal, Add	60.91	
For Dynamic Damper, Add	91.37	
For 3 Hour Rated, Add	81.21	
23 33 13 16-0346 EA 60" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	603.67	58.35
For Horizontal, Add	64.28	
For Dynamic Damper, Add	96.42	
For 3 Hour Rated, Add	85.71	
23 33 13 16-0347 EA 60" x 60" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	633.19	60.66
For Horizontal, Add	67.66	
For Dynamic Damper, Add	101.49	
For 3 Hour Rated, Add	90.21	
<b>23 33 13 16-0348 Round 2 Hour Fire Damper</b> (23 33 13 16)		
23 33 13 16-0349 EA 4" Round 2 Hour Fire Damper .....	47.02	14.01
23 33 13 16-0350 EA 5" Round 2 Hour Fire Damper .....	48.38	14.01
23 33 13 16-0351 EA 6" Round 2 Hour Fire Damper .....	56.29	15.90
23 33 13 16-0352 EA 7" Round 2 Hour Fire Damper .....	57.76	15.90
23 33 13 16-0353 EA 8" Round 2 Hour Fire Damper .....	67.61	17.52
23 33 13 16-0354 EA 9" Round 2 Hour Fire Damper .....	71.68	17.52
23 33 13 16-0355 EA 10" Round 2 Hour Fire Damper .....	79.65	19.47
23 33 13 16-0356 EA 12" Round 2 Hour Fire Damper .....	89.51	21.92
23 33 13 16-0357 EA 14" Round 2 Hour Fire Damper .....	101.88	25.01
<b>23 33 13 16-0358 Round 4 Hour Fire Damper</b> (23 33 13 16)		
23 33 13 16-0359 EA 4" Round 4 Hour Fire Damper .....	53.12	15.90
23 33 13 16-0360 EA 5" Round 4 Hour Fire Damper .....	56.83	15.90
23 33 13 16-0361 EA 6" Round 4 Hour Fire Damper .....	63.77	17.52
23 33 13 16-0362 EA 7" Round 4 Hour Fire Damper .....	68.55	17.52
23 33 13 16-0363 EA 8" Round 4 Hour Fire Damper .....	77.24	19.47
23 33 13 16-0364 EA 9" Round 4 Hour Fire Damper .....	80.16	19.47
23 33 13 16-0365 EA 10" Round 4 Hour Fire Damper .....	89.60	21.92
23 33 13 16-0366 EA 12" Round 4 Hour Fire Damper .....	100.03	25.01
23 33 13 16-0367 EA 14" Round 4 Hour Fire Damper .....	116.71	29.21
<b>23 33 13 19 Smoke-Control Dampers</b> (23 33 13)		
<b>23 33 13 19-0001 Combination Smoke/Fire Damper</b> (23 33 13 19)		
Note: Leakage class I with Firestat UL 555S air foil blades.		
23 33 13 19-0002 EA 6" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	89.68	11.66
For 3 Hour Rated, Add	10.94	
23 33 13 19-0003 EA 8" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	92.60	12.19
For 3 Hour Rated, Add	11.21	
23 33 13 19-0004 EA 8" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	94.16	12.30
For 3 Hour Rated, Add	11.48	
23 33 13 19-0005 EA 10" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	94.16	12.30
For 3 Hour Rated, Add	11.48	
23 33 13 19-0006 EA 10" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	96.55	12.61
For 3 Hour Rated, Add	11.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0007 EA 10" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	103.45 12.28	13.98
23 33 13 19-0008 EA 12" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	96.55 11.74	12.61
23 33 13 19-0009 EA 12" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	101.35 12.28	13.34
23 33 13 19-0010 EA 12" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	104.79 12.55	13.98
23 33 13 19-0011 EA 12" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	111.39 12.82	15.76
23 33 13 19-0012 EA 14" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	100.68 12.15	13.34
23 33 13 19-0013 EA 14" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	104.79 12.55	13.98
23 33 13 19-0014 EA 14" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	108.25 12.82	14.72
23 33 13 19-0015 EA 14" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	112.75 13.09	15.76
23 33 13 19-0016 EA 14" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	121.37 13.77	17.55
23 33 13 19-0017 EA 16" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	154.06 22.41	13.98
23 33 13 19-0018 EA 16" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	158.56 22.68	15.03
23 33 13 19-0019 EA 16" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	164.12 22.95	16.50
23 33 13 19-0020 EA 16" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	168.60 23.21	17.55
23 33 13 19-0021 EA 16" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	177.23 23.89	19.23
23 33 13 19-0022 EA 16" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	185.85 24.56	21.01
23 33 13 19-0023 EA 18" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	157.52 22.68	14.72
23 33 13 19-0024 EA 18" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	162.67 23.08	15.76
23 33 13 19-0025 EA 18" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	169.97 23.49	17.55
23 33 13 19-0026 EA 18" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	178.58 24.16	19.23
23 33 13 19-0027 EA 18" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	186.52 24.70	21.01
23 33 13 19-0028 EA 18" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	195.14 25.37	22.70
23 33 13 19-0029 EA 18" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	202.43 25.77	24.48
23 33 13 19-0030 EA 20" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	162.01 22.95	15.76
23 33 13 19-0031 EA 20" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	169.96 23.48	17.55
23 33 13 19-0032 EA 20" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	177.90 24.02	19.23
23 33 13 19-0033 EA 20" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	188.55 25.10	21.01
23 33 13 19-0034 EA 20" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	195.82 25.51	22.70
23 33 13 19-0035 EA 20" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	203.11 25.91	24.48
23 33 13 19-0036 EA 20" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	211.05 26.45	26.27
23 33 13 19-0037 EA 20" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	218.99 26.99	27.95
23 33 13 19-0038 EA 24" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	225.04 34.50	17.55
23 33 13 19-0039 EA 24" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	234.34 35.31	19.23
23 33 13 19-0040 EA 24" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	242.30 35.85	21.01
23 33 13 19-0041 EA 24" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	251.58 36.66	22.70
23 33 13 19-0042 EA 24" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	258.87 37.06	24.48
23 33 13 19-0043 EA 24" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	266.14 37.47	26.27
23 33 13 19-0044 EA 24" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	275.43 38.27	27.95
23 33 13 19-0045 EA 24" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	289.98 39.08	31.53
23 33 13 19-0046 EA 24" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	305.87 40.16	34.99
23 33 13 19-0047 EA 28" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	234.34 35.31	19.23
23 33 13 19-0048 EA 28" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	242.30 35.85	21.01



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0049	EA		28" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....251.58 <i>For 3 Hour Rated, Add</i>	36.66	22.70
23 33 13 19-0050	EA		28" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....259.54 <i>For 3 Hour Rated, Add</i>	37.20	24.48
23 33 13 19-0051	EA		28" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....268.16 <i>For 3 Hour Rated, Add</i>	37.87	26.27
23 33 13 19-0052	EA		28" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....276.77 <i>For 3 Hour Rated, Add</i>	38.54	27.95
23 33 13 19-0053	EA		28" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....291.32 <i>For 3 Hour Rated, Add</i>	39.35	31.53
23 33 13 19-0054	EA		28" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....305.87 <i>For 3 Hour Rated, Add</i>	40.16	34.99
23 33 13 19-0055	EA		28" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....319.20 <i>For 3 Hour Rated, Add</i>	41.78	36.78
23 33 13 19-0056	EA		28" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....336.45 <i>For 3 Hour Rated, Add</i>	43.12	40.25
23 33 13 19-0057	EA		32" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....246.33 <i>For 3 Hour Rated, Add</i>	36.66	21.01
23 33 13 19-0058	EA		32" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....252.92 <i>For 3 Hour Rated, Add</i>	36.93	22.70
23 33 13 19-0059	EA		32" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....259.54 <i>For 3 Hour Rated, Add</i>	37.20	24.48
23 33 13 19-0060	EA		32" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....267.48 <i>For 3 Hour Rated, Add</i>	37.73	26.27
23 33 13 19-0061	EA		32" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....277.02 <i>For 3 Hour Rated, Add</i>	38.59	27.95
23 33 13 19-0062	EA		32" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....291.32 <i>For 3 Hour Rated, Add</i>	39.35	31.53
23 33 13 19-0063	EA		32" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....307.22 <i>For 3 Hour Rated, Add</i>	40.43	34.99
23 33 13 19-0064	EA		32" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....323.12 <i>For 3 Hour Rated, Add</i>	41.51	38.46
23 33 13 19-0065	EA		32" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....336.45 <i>For 3 Hour Rated, Add</i>	43.12	40.25
23 33 13 19-0066	EA		32" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....354.29 <i>For 3 Hour Rated, Add</i>	45.01	43.08
23 33 13 19-0067	EA		32" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....372.42 <i>For 3 Hour Rated, Add</i>	47.16	45.50
23 33 13 19-0068	EA		36" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....259.84 <i>For 3 Hour Rated, Add</i>	38.31	22.70
23 33 13 19-0069	EA		36" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....268.03 <i>For 3 Hour Rated, Add</i>	38.89	24.48
23 33 13 19-0070	EA		36" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....276.20 <i>For 3 Hour Rated, Add</i>	39.48	26.27
23 33 13 19-0071	EA		36" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....285.85 <i>For 3 Hour Rated, Add</i>	40.36	27.95
23 33 13 19-0072	EA		36" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....298.57 <i>For 3 Hour Rated, Add</i>	40.80	31.53
23 33 13 19-0073	EA		36" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....306.01 <i>For 3 Hour Rated, Add</i>	41.24	33.20
23 33 13 19-0074	EA		36" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....329.10 <i>For 3 Hour Rated, Add</i>	42.70	38.46
23 33 13 19-0075	EA		36" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....346.92 <i>For 3 Hour Rated, Add</i>	44.17	42.03
23 33 13 19-0076	EA		36" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....359.90 <i>For 3 Hour Rated, Add</i>	45.92	43.40
23 33 13 19-0077	EA		36" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....381.07 <i>For 3 Hour Rated, Add</i>	48.27	46.54
23 33 13 19-0078	EA		36" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....398.67 <i>For 3 Hour Rated, Add</i>	50.31	48.96
23 33 13 19-0079	EA		36" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....415.63 <i>For 3 Hour Rated, Add</i>	52.66	50.75
23 33 13 19-0080	EA		40" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....315.83 <i>For 3 Hour Rated, Add</i>	48.45	26.27
23 33 13 19-0081	EA		40" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....326.93 <i>For 3 Hour Rated, Add</i>	49.62	27.95
23 33 13 19-0082	EA		40" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....333.65 <i>For 3 Hour Rated, Add</i>	49.92	29.73
23 33 13 19-0083	EA		40" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....340.37 <i>For 3 Hour Rated, Add</i>	50.21	31.53
23 33 13 19-0084	EA		40" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....356.00 <i>For 3 Hour Rated, Add</i>	51.24	33.20
23 33 13 19-0085	EA		40" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....366.38 <i>For 3 Hour Rated, Add</i>	52.26	34.99
23 33 13 19-0086	EA		40" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....388.01 <i>For 3 Hour Rated, Add</i>	53.43	40.25
23 33 13 19-0087	EA		40" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....404.36 <i>For 3 Hour Rated, Add</i>	54.60	43.71
23 33 13 19-0088	EA		40" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....421.55 <i>For 3 Hour Rated, Add</i>	56.36	46.54
23 33 13 19-0089	EA		40" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....445.01 <i>For 3 Hour Rated, Add</i>	59.58	48.96
23 33 13 19-0090	EA		40" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....462.20 <i>For 3 Hour Rated, Add</i>	61.34	51.81



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0091 EA 40" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	482.51 64.56	53.17
23 33 13 19-0092 EA 40" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	505.57 67.49	56.01
23 33 13 19-0093 EA 44" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	324.01 49.04	26.27
23 33 13 19-0094 EA 44" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	335.12 50.21	27.95
23 33 13 19-0095 EA 44" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	344.76 51.09	29.73
23 33 13 19-0096 EA 44" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	351.49 51.38	31.53
23 33 13 19-0097 EA 44" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	362.60 52.56	33.20
23 33 13 19-0098 EA 44" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	373.70 53.73	34.99
23 33 13 19-0099 EA 44" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	402.05 55.19	42.03
23 33 13 19-0100 EA 44" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	419.87 56.65	45.50
23 33 13 19-0101 EA 44" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	445.01 59.58	48.96
23 33 13 19-0102 EA 44" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	468.70 62.22	52.54
23 33 13 19-0103 EA 44" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	493.84 65.14	56.01
23 33 13 19-0104 EA 44" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	512.27 67.78	57.68
23 33 13 19-0105 EA 44" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	530.71 70.42	59.48
23 33 13 19-0106 EA 44" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	549.15 73.05	61.26
23 33 13 19-0107 EA 48" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	333.65 49.92	27.95
23 33 13 19-0108 EA 48" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	344.76 51.09	29.73
23 33 13 19-0109 EA 48" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	351.49 51.38	31.53
23 33 13 19-0110 EA 48" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	366.38 52.26	34.99
23 33 13 19-0111 EA 48" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	382.75 53.43	38.46
23 33 13 19-0112 EA 48" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	399.11 54.60	42.03
23 33 13 19-0113 EA 48" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	418.41 56.36	45.50
23 33 13 19-0114 EA 48" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	437.69 58.12	48.96
23 33 13 19-0115 EA 48" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	461.38 60.75	52.54
23 33 13 19-0116 EA 48" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	487.98 63.97	56.01
23 33 13 19-0117 EA 48" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	506.43 66.61	57.68
23 33 13 19-0118 EA 48" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	529.24 70.12	59.48
23 33 13 19-0119 EA 48" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	552.93 72.76	62.94
23 33 13 19-0120 EA 48" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	575.75 76.27	64.73
23 33 13 19-0121 EA 48" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	603.23 78.62	69.98
23 33 13 19-0122 EA 52" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	343.29 50.80	29.73
23 33 13 19-0123 EA 52" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	354.41 51.97	31.53
23 33 13 19-0124 EA 52" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	370.77 53.14	34.99
23 33 13 19-0125 EA 52" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	382.75 53.43	38.46
23 33 13 19-0126 EA 52" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	399.85 54.75	42.03
23 33 13 19-0127 EA 52" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	416.95 56.07	45.50
23 33 13 19-0128 EA 52" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	436.23 57.83	48.96
23 33 13 19-0129 EA 52" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	455.52 59.58	52.54
23 33 13 19-0130 EA 52" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	479.21 62.22	56.01
23 33 13 19-0131 EA 52" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	507.29 65.73	59.48
23 33 13 19-0132 EA 52" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For 3 Hour Rated, Add</i>	527.17 68.66	61.26

**23 Heating, Ventilating, And Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0133	EA		52" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....551.47		62.94
			<i>For 3 Hour Rated, Add</i>	72.47	
23 33 13 19-0134	EA		52" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....579.53		66.51
			<i>For 3 Hour Rated, Add</i>	75.98	
23 33 13 19-0135	EA		52" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....603.23		69.98
			<i>For 3 Hour Rated, Add</i>	78.62	
23 33 13 19-0136	EA		52" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....636.55		75.23
			<i>For 3 Hour Rated, Add</i>	82.13	
23 33 13 19-0137	EA		52" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....661.71		78.70
			<i>For 3 Hour Rated, Add</i>	85.06	
23 33 13 19-0138	EA		56" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....351.49		31.53
			<i>For 3 Hour Rated, Add</i>	51.38	
23 33 13 19-0139	EA		56" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....369.30		34.99
			<i>For 3 Hour Rated, Add</i>	52.85	
23 33 13 19-0140	EA		56" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....384.21		38.46
			<i>For 3 Hour Rated, Add</i>	53.73	
23 33 13 19-0141	EA		56" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....396.18		42.03
			<i>For 3 Hour Rated, Add</i>	54.02	
23 33 13 19-0142	EA		56" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....414.75		45.50
			<i>For 3 Hour Rated, Add</i>	55.63	
23 33 13 19-0143	EA		56" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....433.30		48.96
			<i>For 3 Hour Rated, Add</i>	57.24	
23 33 13 19-0144	EA		56" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....451.86		52.54
			<i>For 3 Hour Rated, Add</i>	58.85	
23 33 13 19-0145	EA		56" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....470.42		56.01
			<i>For 3 Hour Rated, Add</i>	60.46	
23 33 13 19-0146	EA		56" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....498.49		59.48
			<i>For 3 Hour Rated, Add</i>	63.97	
23 33 13 19-0147	EA		56" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....521.33		61.26
			<i>For 3 Hour Rated, Add</i>	67.49	
23 33 13 19-0148	EA		56" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....542.67		62.94
			<i>For 3 Hour Rated, Add</i>	70.71	
23 33 13 19-0149	EA		56" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....573.68		66.51
			<i>For 3 Hour Rated, Add</i>	74.81	
23 33 13 19-0150	EA		56" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....601.76		69.98
			<i>For 3 Hour Rated, Add</i>	78.32	
23 33 13 19-0151	EA		56" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....631.30		73.45
			<i>For 3 Hour Rated, Add</i>	82.13	
23 33 13 19-0152	EA		56" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....656.45		77.02
			<i>For 3 Hour Rated, Add</i>	85.06	
23 33 13 19-0153	EA		56" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....685.99		80.49
			<i>For 3 Hour Rated, Add</i>	88.86	
23 33 13 19-0154	EA		56" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....715.52		83.96
			<i>For 3 Hour Rated, Add</i>	92.67	
23 33 13 19-0155	EA		60" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....366.38		34.99
			<i>For 3 Hour Rated, Add</i>	52.26	
23 33 13 19-0156	EA		60" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....384.21		38.46
			<i>For 3 Hour Rated, Add</i>	53.73	
23 33 13 19-0157	EA		60" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....397.65		42.03
			<i>For 3 Hour Rated, Add</i>	54.31	
23 33 13 19-0158	EA		60" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....409.62		45.50
			<i>For 3 Hour Rated, Add</i>	54.60	
23 33 13 19-0159	EA		60" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....428.91		48.96
			<i>For 3 Hour Rated, Add</i>	56.36	
23 33 13 19-0160	EA		60" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....448.20		52.54
			<i>For 3 Hour Rated, Add</i>	58.12	
23 33 13 19-0161	EA		60" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....468.22		56.01
			<i>For 3 Hour Rated, Add</i>	60.02	
23 33 13 19-0162	EA		60" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....488.26		59.48
			<i>For 3 Hour Rated, Add</i>	61.93	
23 33 13 19-0163	EA		60" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....512.54		61.26
			<i>For 3 Hour Rated, Add</i>	65.73	
23 33 13 19-0164	EA		60" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....535.35		62.94
			<i>For 3 Hour Rated, Add</i>	69.24	
23 33 13 19-0165	EA		60" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....564.91		66.51
			<i>For 3 Hour Rated, Add</i>	73.05	
23 33 13 19-0166	EA		60" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....594.45		69.98
			<i>For 3 Hour Rated, Add</i>	76.86	
23 33 13 19-0167	EA		60" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....619.60		73.45
			<i>For 3 Hour Rated, Add</i>	79.79	
23 33 13 19-0168	EA		60" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....653.52		77.02
			<i>For 3 Hour Rated, Add</i>	84.47	
23 33 13 19-0169	EA		60" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....684.53		80.49
			<i>For 3 Hour Rated, Add</i>	88.57	
23 33 13 19-0170	EA		60" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....715.52		83.96
			<i>For 3 Hour Rated, Add</i>	92.67	
23 33 13 19-0171	EA		60" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....743.60		87.53
			<i>For 3 Hour Rated, Add</i>	96.18	
23 33 13 19-0172	EA		60" x 60" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....771.69		90.99
			<i>For 3 Hour Rated, Add</i>	99.70	

23 33 13 19-0173

**Smoke Damper** (23 33 13 19)

Note: Leakage class I with Firestat UL 555S air foil blades.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0174 EA 6" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	71.89	7.77
<i>For Dynamic Damper, Add</i>	10.93	
<i>For 3 Hour Rated, Add</i>	9.71	
23 33 13 19-0175 EA 8" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	74.17	8.12
<i>For Dynamic Damper, Add</i>	11.20	
<i>For 3 Hour Rated, Add</i>	9.96	
23 33 13 19-0176 EA 8" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	75.55	8.19
<i>For Dynamic Damper, Add</i>	11.48	
<i>For 3 Hour Rated, Add</i>	10.21	
23 33 13 19-0177 EA 10" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	75.55	8.19
<i>For Dynamic Damper, Add</i>	11.48	
<i>For 3 Hour Rated, Add</i>	10.21	
23 33 13 19-0178 EA 10" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	77.48	8.41
<i>For Dynamic Damper, Add</i>	11.76	
<i>For 3 Hour Rated, Add</i>	10.45	
23 33 13 19-0179 EA 10" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	82.73	9.31
<i>For Dynamic Damper, Add</i>	12.31	
<i>For 3 Hour Rated, Add</i>	10.94	
23 33 13 19-0180 EA 12" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	77.48	8.41
<i>For Dynamic Damper, Add</i>	11.76	
<i>For 3 Hour Rated, Add</i>	10.45	
23 33 13 19-0181 EA 12" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	81.33	8.90
<i>For Dynamic Damper, Add</i>	12.31	
<i>For 3 Hour Rated, Add</i>	10.94	
23 33 13 19-0182 EA 12" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	83.97	9.31
<i>For Dynamic Damper, Add</i>	12.59	
<i>For 3 Hour Rated, Add</i>	11.19	
23 33 13 19-0183 EA 12" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	88.70	10.51
<i>For Dynamic Damper, Add</i>	12.86	
<i>For 3 Hour Rated, Add</i>	11.43	
23 33 13 19-0184 EA 14" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	80.72	8.90
<i>For Dynamic Damper, Add</i>	12.17	
<i>For 3 Hour Rated, Add</i>	10.82	
23 33 13 19-0185 EA 14" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	83.97	9.31
<i>For Dynamic Damper, Add</i>	12.59	
<i>For 3 Hour Rated, Add</i>	11.19	
23 33 13 19-0186 EA 14" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	86.59	9.81
<i>For Dynamic Damper, Add</i>	12.86	
<i>For 3 Hour Rated, Add</i>	11.43	
23 33 13 19-0187 EA 14" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	89.94	10.51
<i>For Dynamic Damper, Add</i>	13.14	
<i>For 3 Hour Rated, Add</i>	11.68	
23 33 13 19-0188 EA 14" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	96.50	11.70
<i>For Dynamic Damper, Add</i>	13.83	
<i>For 3 Hour Rated, Add</i>	12.30	
23 33 13 19-0189 EA 16" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	128.75	9.31
<i>For Dynamic Damper, Add</i>	22.66	
<i>For 3 Hour Rated, Add</i>	20.15	
23 33 13 19-0190 EA 16" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	132.09	10.02
<i>For Dynamic Damper, Add</i>	22.94	
<i>For 3 Hour Rated, Add</i>	20.39	
23 33 13 19-0191 EA 16" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	136.12	11.00
<i>For Dynamic Damper, Add</i>	23.22	
<i>For 3 Hour Rated, Add</i>	20.64	
23 33 13 19-0192 EA 16" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	139.43	11.70
<i>For Dynamic Damper, Add</i>	23.49	
<i>For 3 Hour Rated, Add</i>	20.88	
23 33 13 19-0193 EA 16" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	146.03	12.82
<i>For Dynamic Damper, Add</i>	24.19	
<i>For 3 Hour Rated, Add</i>	21.50	
23 33 13 19-0194 EA 16" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	152.60	14.01
<i>For Dynamic Damper, Add</i>	24.88	
<i>For 3 Hour Rated, Add</i>	22.11	
23 33 13 19-0195 EA 18" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	131.38	9.81
<i>For Dynamic Damper, Add</i>	22.94	
<i>For 3 Hour Rated, Add</i>	20.39	
23 33 13 19-0196 EA 18" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	135.33	10.51
<i>For Dynamic Damper, Add</i>	23.36	
<i>For 3 Hour Rated, Add</i>	20.76	
23 33 13 19-0197 EA 18" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	140.68	11.70
<i>For Dynamic Damper, Add</i>	23.77	
<i>For 3 Hour Rated, Add</i>	21.13	
23 33 13 19-0198 EA 18" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	147.26	12.82
<i>For Dynamic Damper, Add</i>	24.46	
<i>For 3 Hour Rated, Add</i>	21.75	
23 33 13 19-0199 EA 18" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	153.21	14.01
<i>For Dynamic Damper, Add</i>	25.02	
<i>For 3 Hour Rated, Add</i>	22.24	
23 33 13 19-0200 EA 18" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	159.80	15.13
<i>For Dynamic Damper, Add</i>	25.71	
<i>For 3 Hour Rated, Add</i>	22.85	
23 33 13 19-0201 EA 18" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	165.14	16.32
<i>For Dynamic Damper, Add</i>	26.12	
<i>For 3 Hour Rated, Add</i>	23.22	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0202	EA		20" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	134.72	10.51
			<i>For Dynamic Damper, Add</i>	23.22	
			<i>For 3 Hour Rated, Add</i>	20.64	
23 33 13 19-0203	EA		20" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	140.67	11.70
			<i>For Dynamic Damper, Add</i>	23.77	
			<i>For 3 Hour Rated, Add</i>	21.13	
23 33 13 19-0204	EA		20" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	146.64	12.82
			<i>For Dynamic Damper, Add</i>	24.32	
			<i>For 3 Hour Rated, Add</i>	21.62	
23 33 13 19-0205	EA		20" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	155.07	14.01
			<i>For Dynamic Damper, Add</i>	25.43	
			<i>For 3 Hour Rated, Add</i>	22.61	
23 33 13 19-0206	EA		20" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	160.42	15.13
			<i>For Dynamic Damper, Add</i>	25.85	
			<i>For 3 Hour Rated, Add</i>	22.98	
23 33 13 19-0207	EA		20" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	165.76	16.32
			<i>For Dynamic Damper, Add</i>	26.26	
			<i>For 3 Hour Rated, Add</i>	23.35	
23 33 13 19-0208	EA		20" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	171.72	17.52
			<i>For Dynamic Damper, Add</i>	26.82	
			<i>For 3 Hour Rated, Add</i>	23.84	
23 33 13 19-0209	EA		20" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	177.68	18.64
			<i>For Dynamic Damper, Add</i>	27.37	
			<i>For 3 Hour Rated, Add</i>	24.33	
23 33 13 19-0210	EA		24" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	177.72	11.70
			<i>For Dynamic Damper, Add</i>	32.11	
			<i>For 3 Hour Rated, Add</i>	28.54	
23 33 13 19-0211	EA		24" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	184.93	12.82
			<i>For Dynamic Damper, Add</i>	32.94	
			<i>For 3 Hour Rated, Add</i>	29.28	
23 33 13 19-0212	EA		24" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	190.90	14.01
			<i>For Dynamic Damper, Add</i>	33.50	
			<i>For 3 Hour Rated, Add</i>	29.77	
23 33 13 19-0213	EA		24" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	198.10	15.13
			<i>For Dynamic Damper, Add</i>	34.33	
			<i>For 3 Hour Rated, Add</i>	30.51	
23 33 13 19-0214	EA		24" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	203.43	16.32
			<i>For Dynamic Damper, Add</i>	34.74	
			<i>For 3 Hour Rated, Add</i>	30.88	
23 33 13 19-0215	EA		24" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	208.78	17.52
			<i>For Dynamic Damper, Add</i>	35.15	
			<i>For 3 Hour Rated, Add</i>	31.25	
23 33 13 19-0216	EA		24" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	215.97	18.64
			<i>For Dynamic Damper, Add</i>	35.98	
			<i>For 3 Hour Rated, Add</i>	31.99	
23 33 13 19-0217	EA		24" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	226.66	21.01
			<i>For Dynamic Damper, Add</i>	36.81	
			<i>For 3 Hour Rated, Add</i>	32.72	
23 33 13 19-0218	EA		24" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	238.59	23.32
			<i>For Dynamic Damper, Add</i>	37.92	
			<i>For 3 Hour Rated, Add</i>	33.71	
23 33 13 19-0219	EA		28" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	184.93	12.82
			<i>For Dynamic Damper, Add</i>	32.94	
			<i>For 3 Hour Rated, Add</i>	29.28	
23 33 13 19-0220	EA		28" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	190.90	14.01
			<i>For Dynamic Damper, Add</i>	33.50	
			<i>For 3 Hour Rated, Add</i>	29.77	
23 33 13 19-0221	EA		28" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	198.10	15.13
			<i>For Dynamic Damper, Add</i>	34.33	
			<i>For 3 Hour Rated, Add</i>	30.51	
23 33 13 19-0222	EA		28" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	204.04	16.32
			<i>For Dynamic Damper, Add</i>	34.88	
			<i>For 3 Hour Rated, Add</i>	31.00	
23 33 13 19-0223	EA		28" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	210.62	17.52
			<i>For Dynamic Damper, Add</i>	35.57	
			<i>For 3 Hour Rated, Add</i>	31.62	
23 33 13 19-0224	EA		28" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	217.19	18.64
			<i>For Dynamic Damper, Add</i>	36.26	
			<i>For 3 Hour Rated, Add</i>	32.23	
23 33 13 19-0225	EA		28" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	227.88	21.01
			<i>For Dynamic Damper, Add</i>	37.09	
			<i>For 3 Hour Rated, Add</i>	32.97	
23 33 13 19-0226	EA		28" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	238.59	23.32
			<i>For Dynamic Damper, Add</i>	37.92	
			<i>For 3 Hour Rated, Add</i>	33.71	
23 33 13 19-0227	EA		28" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	249.48	24.52
			<i>For Dynamic Damper, Add</i>	39.58	
			<i>For 3 Hour Rated, Add</i>	35.18	
23 33 13 19-0228	EA		28" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	262.63	26.83
			<i>For Dynamic Damper, Add</i>	40.97	
			<i>For 3 Hour Rated, Add</i>	36.41	
23 33 13 19-0229	EA		32" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	194.59	14.01
			<i>For Dynamic Damper, Add</i>	34.33	
			<i>For 3 Hour Rated, Add</i>	30.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0230 EA 32" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	199.31 34.60 30.75	15.13
23 33 13 19-0231 EA 32" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	204.04 34.88 31.00	16.32
23 33 13 19-0232 EA 32" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	210.00 35.43 31.49	17.52
23 33 13 19-0233 EA 32" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	217.43 36.31 32.28	18.64
23 33 13 19-0234 EA 32" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	227.88 37.09 32.97	21.01
23 33 13 19-0235 EA 32" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	239.82 38.20 33.95	23.32
23 33 13 19-0236 EA 32" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	251.75 39.31 34.94	25.64
23 33 13 19-0237 EA 32" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	262.63 40.97 36.41	26.83
23 33 13 19-0238 EA 32" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	276.85 42.91 38.14	28.72
23 33 13 19-0239 EA 32" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	291.58 45.12 40.10	30.33
23 33 13 19-0240 EA 36" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	203.89 35.63 31.67	15.13
23 33 13 19-0241 EA 36" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	209.95 36.21 32.18	16.32
23 33 13 19-0242 EA 36" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	216.03 36.79 32.70	17.52
23 33 13 19-0243 EA 36" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	223.40 37.66 33.47	18.64
23 33 13 19-0244 EA 36" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	232.35 38.09 33.86	21.01
23 33 13 19-0245 EA 36" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	237.79 38.53 34.25	22.13
23 33 13 19-0246 EA 36" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	254.73 39.98 35.54	25.64
23 33 13 19-0247 EA 36" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	268.17 41.42 36.82	28.02
23 33 13 19-0248 EA 36" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	278.71 43.17 38.37	28.93
23 33 13 19-0249 EA 36" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	295.32 45.48 40.43	31.03
23 33 13 19-0250 EA 36" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	309.24 47.51 42.23	32.65
23 33 13 19-0251 EA 36" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	323.06 49.83 44.30	33.83
23 33 13 19-0252 EA 40" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	235.53 41.96 37.30	17.52
23 33 13 19-0253 EA 40" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	244.19 43.12 38.33	18.64
23 33 13 19-0254 EA 40" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	248.98 43.41 38.59	19.83
23 33 13 19-0255 EA 40" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	253.78 43.70 38.85	21.01
23 33 13 19-0256 EA 40" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	265.30 44.72 39.75	22.13
23 33 13 19-0257 EA 40" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	273.31 45.73 40.65	23.32

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0258	EA		40" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	288.97	26.83
			<i>For Dynamic Damper, Add</i>	46.89	
			<i>For 3 Hour Rated, Add</i>	41.68	
23 33 13 19-0259	EA		40" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	301.14	29.14
			<i>For Dynamic Damper, Add</i>	48.05	
			<i>For 3 Hour Rated, Add</i>	42.71	
23 33 13 19-0260	EA		40" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	314.47	31.03
			<i>For Dynamic Damper, Add</i>	49.79	
			<i>For 3 Hour Rated, Add</i>	44.26	
23 33 13 19-0261	EA		40" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	333.54	32.65
			<i>For Dynamic Damper, Add</i>	52.98	
			<i>For 3 Hour Rated, Add</i>	47.09	
23 33 13 19-0262	EA		40" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	346.86	34.53
			<i>For Dynamic Damper, Add</i>	54.72	
			<i>For 3 Hour Rated, Add</i>	48.64	
23 33 13 19-0263	EA		40" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	363.84	35.45
			<i>For Dynamic Damper, Add</i>	57.91	
			<i>For 3 Hour Rated, Add</i>	51.47	
23 33 13 19-0264	EA		40" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	382.34	37.33
			<i>For Dynamic Damper, Add</i>	60.81	
			<i>For 3 Hour Rated, Add</i>	54.05	
23 33 13 19-0265	EA		44" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	241.62	17.52
			<i>For Dynamic Damper, Add</i>	42.54	
			<i>For 3 Hour Rated, Add</i>	37.82	
23 33 13 19-0266	EA		44" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	250.27	18.64
			<i>For Dynamic Damper, Add</i>	43.70	
			<i>For 3 Hour Rated, Add</i>	38.85	
23 33 13 19-0267	EA		44" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	257.66	19.83
			<i>For Dynamic Damper, Add</i>	44.57	
			<i>For 3 Hour Rated, Add</i>	39.62	
23 33 13 19-0268	EA		44" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	262.44	21.01
			<i>For Dynamic Damper, Add</i>	44.87	
			<i>For 3 Hour Rated, Add</i>	39.88	
23 33 13 19-0269	EA		44" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	271.10	22.13
			<i>For Dynamic Damper, Add</i>	46.02	
			<i>For 3 Hour Rated, Add</i>	40.91	
23 33 13 19-0270	EA		44" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	279.75	23.32
			<i>For Dynamic Damper, Add</i>	47.18	
			<i>For 3 Hour Rated, Add</i>	41.94	
23 33 13 19-0271	EA		44" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	300.21	28.02
			<i>For Dynamic Damper, Add</i>	48.63	
			<i>For 3 Hour Rated, Add</i>	43.23	
23 33 13 19-0272	EA		44" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	313.64	30.33
			<i>For Dynamic Damper, Add</i>	50.08	
			<i>For 3 Hour Rated, Add</i>	44.52	
23 33 13 19-0273	EA		44" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	333.54	32.65
			<i>For Dynamic Damper, Add</i>	52.98	
			<i>For 3 Hour Rated, Add</i>	47.09	
23 33 13 19-0274	EA		44" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	352.14	35.02
			<i>For Dynamic Damper, Add</i>	55.59	
			<i>For 3 Hour Rated, Add</i>	49.41	
23 33 13 19-0275	EA		44" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	372.02	37.33
			<i>For Dynamic Damper, Add</i>	58.49	
			<i>For 3 Hour Rated, Add</i>	51.99	
23 33 13 19-0276	EA		44" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	387.12	38.46
			<i>For Dynamic Damper, Add</i>	61.10	
			<i>For 3 Hour Rated, Add</i>	54.31	
23 33 13 19-0277	EA		44" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	402.22	39.65
			<i>For Dynamic Damper, Add</i>	63.71	
			<i>For 3 Hour Rated, Add</i>	56.63	
23 33 13 19-0278	EA		44" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	417.33	40.84
			<i>For Dynamic Damper, Add</i>	66.32	
			<i>For 3 Hour Rated, Add</i>	58.95	
23 33 13 19-0279	EA		48" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	248.98	18.64
			<i>For Dynamic Damper, Add</i>	43.41	
			<i>For 3 Hour Rated, Add</i>	38.59	
23 33 13 19-0280	EA		48" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	257.66	19.83
			<i>For Dynamic Damper, Add</i>	44.57	
			<i>For 3 Hour Rated, Add</i>	39.62	
23 33 13 19-0281	EA		48" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	262.44	21.01
			<i>For Dynamic Damper, Add</i>	44.87	
			<i>For 3 Hour Rated, Add</i>	39.88	
23 33 13 19-0282	EA		48" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	273.31	23.32
			<i>For Dynamic Damper, Add</i>	45.73	
			<i>For 3 Hour Rated, Add</i>	40.65	
23 33 13 19-0283	EA		48" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	285.46	25.64
			<i>For Dynamic Damper, Add</i>	46.89	
			<i>For 3 Hour Rated, Add</i>	41.68	
23 33 13 19-0284	EA		48" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	297.63	28.02
			<i>For Dynamic Damper, Add</i>	48.05	
			<i>For 3 Hour Rated, Add</i>	42.71	
23 33 13 19-0285	EA		48" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	312.36	30.33
			<i>For Dynamic Damper, Add</i>	49.79	
			<i>For 3 Hour Rated, Add</i>	44.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0286 EA 48" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	327.09 51.53 45.80	32.65
23 33 13 19-0287 EA 48" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	345.69 54.14 48.12	35.02
23 33 13 19-0288 EA 48" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	366.87 57.33 50.96	37.33
23 33 13 19-0289 EA 48" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	381.98 59.94 53.28	38.46
23 33 13 19-0290 EA 48" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	400.93 63.42 56.37	39.65
23 33 13 19-0291 EA 48" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	419.54 66.03 58.69	41.96
23 33 13 19-0292 EA 48" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	438.50 69.50 61.78	43.15
23 33 13 19-0293 EA 48" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	459.32 71.82 63.84	46.66
23 33 13 19-0294 EA 52" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	256.37 44.28 39.36	19.83
23 33 13 19-0295 EA 52" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	265.01 45.44 40.39	21.01
23 33 13 19-0296 EA 52" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	277.17 46.60 41.42	23.32
23 33 13 19-0297 EA 52" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	285.46 46.89 41.68	25.64
23 33 13 19-0298 EA 52" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	298.28 48.20 42.84	28.02
23 33 13 19-0299 EA 52" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	311.07 49.50 44.00	30.33
23 33 13 19-0300 EA 52" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	325.81 51.24 45.55	32.65
23 33 13 19-0301 EA 52" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	340.54 52.98 47.09	35.02
23 33 13 19-0302 EA 52" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	359.15 55.59 49.41	37.33
23 33 13 19-0303 EA 52" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	381.60 59.07 52.50	39.65
23 33 13 19-0304 EA 52" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	397.99 61.97 55.08	40.84
23 33 13 19-0305 EA 52" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	418.25 65.74 58.43	41.96
23 33 13 19-0306 EA 52" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	440.70 69.21 61.52	44.34
23 33 13 19-0307 EA 52" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	459.32 71.82 63.84	46.66
23 33 13 19-0308 EA 52" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	485.29 75.30 66.94	50.15
23 33 13 19-0309 EA 52" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	505.18 78.20 69.51	52.47
23 33 13 19-0310 EA 56" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	262.44 44.87 39.88	21.01
23 33 13 19-0311 EA 56" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	275.88 46.31 41.17	23.32
23 33 13 19-0312 EA 56" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	286.75 47.18 41.94	25.64
23 33 13 19-0313 EA 56" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add For 3 Hour Rated, Add</i>	295.04 47.47 42.20	28.02



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0314	EA		56" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	309.14	30.33
			<i>For Dynamic Damper, Add</i>	49.07	
			<i>For 3 Hour Rated, Add</i>	43.62	
23 33 13 19-0315	EA		56" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	323.23	32.65
			<i>For Dynamic Damper, Add</i>	50.66	
			<i>For 3 Hour Rated, Add</i>	45.03	
23 33 13 19-0316	EA		56" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	337.32	35.02
			<i>For Dynamic Damper, Add</i>	52.26	
			<i>For 3 Hour Rated, Add</i>	46.45	
23 33 13 19-0317	EA		56" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	351.41	37.33
			<i>For Dynamic Damper, Add</i>	53.85	
			<i>For 3 Hour Rated, Add</i>	47.87	
23 33 13 19-0318	EA		56" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	373.87	39.65
			<i>For Dynamic Damper, Add</i>	57.33	
			<i>For 3 Hour Rated, Add</i>	50.96	
23 33 13 19-0319	EA		56" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	392.85	40.84
			<i>For Dynamic Damper, Add</i>	60.81	
			<i>For 3 Hour Rated, Add</i>	54.05	
23 33 13 19-0320	EA		56" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	410.52	41.96
			<i>For Dynamic Damper, Add</i>	64.00	
			<i>For 3 Hour Rated, Add</i>	56.89	
23 33 13 19-0321	EA		56" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	435.56	44.34
			<i>For Dynamic Damper, Add</i>	68.06	
			<i>For 3 Hour Rated, Add</i>	60.49	
23 33 13 19-0322	EA		56" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	458.03	46.66
			<i>For Dynamic Damper, Add</i>	71.53	
			<i>For 3 Hour Rated, Add</i>	63.59	
23 33 13 19-0323	EA		56" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	481.78	48.96
			<i>For Dynamic Damper, Add</i>	75.30	
			<i>For 3 Hour Rated, Add</i>	66.94	
23 33 13 19-0324	EA		56" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	501.68	51.34
			<i>For Dynamic Damper, Add</i>	78.20	
			<i>For 3 Hour Rated, Add</i>	69.51	
23 33 13 19-0325	EA		56" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	525.43	53.66
			<i>For Dynamic Damper, Add</i>	81.97	
			<i>For 3 Hour Rated, Add</i>	72.86	
23 33 13 19-0326	EA		56" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	549.19	55.97
			<i>For Dynamic Damper, Add</i>	85.74	
			<i>For 3 Hour Rated, Add</i>	76.21	
23 33 13 19-0327	EA		60" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	273.31	23.32
			<i>For Dynamic Damper, Add</i>	45.73	
			<i>For 3 Hour Rated, Add</i>	40.65	
23 33 13 19-0328	EA		60" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	286.75	25.64
			<i>For Dynamic Damper, Add</i>	47.18	
			<i>For 3 Hour Rated, Add</i>	41.94	
23 33 13 19-0329	EA		60" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	296.33	28.02
			<i>For Dynamic Damper, Add</i>	47.76	
			<i>For 3 Hour Rated, Add</i>	42.45	
23 33 13 19-0330	EA		60" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	304.63	30.33
			<i>For Dynamic Damper, Add</i>	48.05	
			<i>For 3 Hour Rated, Add</i>	42.71	
23 33 13 19-0331	EA		60" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	319.37	32.65
			<i>For Dynamic Damper, Add</i>	49.79	
			<i>For 3 Hour Rated, Add</i>	44.26	
23 33 13 19-0332	EA		60" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	334.09	35.02
			<i>For Dynamic Damper, Add</i>	51.53	
			<i>For 3 Hour Rated, Add</i>	45.80	
23 33 13 19-0333	EA		60" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	349.48	37.33
			<i>For Dynamic Damper, Add</i>	53.42	
			<i>For 3 Hour Rated, Add</i>	47.48	
23 33 13 19-0334	EA		60" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	364.85	39.65
			<i>For Dynamic Damper, Add</i>	55.30	
			<i>For 3 Hour Rated, Add</i>	49.15	
23 33 13 19-0335	EA		60" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	385.11	40.84
			<i>For Dynamic Damper, Add</i>	59.07	
			<i>For 3 Hour Rated, Add</i>	52.50	
23 33 13 19-0336	EA		60" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	404.07	41.96
			<i>For Dynamic Damper, Add</i>	62.55	
			<i>For 3 Hour Rated, Add</i>	55.60	
23 33 13 19-0337	EA		60" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	427.83	44.34
			<i>For Dynamic Damper, Add</i>	66.32	
			<i>For 3 Hour Rated, Add</i>	58.95	
23 33 13 19-0338	EA		60" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	451.59	46.66
			<i>For Dynamic Damper, Add</i>	70.09	
			<i>For 3 Hour Rated, Add</i>	62.30	
23 33 13 19-0339	EA		60" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	471.47	48.96
			<i>For Dynamic Damper, Add</i>	72.98	
			<i>For 3 Hour Rated, Add</i>	64.87	
23 33 13 19-0340	EA		60" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	499.09	51.34
			<i>For Dynamic Damper, Add</i>	77.62	
			<i>For 3 Hour Rated, Add</i>	69.00	
23 33 13 19-0341	EA		60" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated .....	524.13	53.66
			<i>For Dynamic Damper, Add</i>	81.68	
			<i>For 3 Hour Rated, Add</i>	72.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0342 EA 60" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	549.19 85.74 76.21	55.97
23 33 13 19-0343 EA 60" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	571.63 89.21 79.30	58.35
23 33 13 19-0344 EA 60" x 60" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	594.12 92.70 82.40	60.66

**23 33 13 23 Backdraft Dampers (23 33 13)**

**23 33 13 23-0001 Horizontally Mounted Backdraft Damper (23 33 13 23)**  
 Note: Galvanized steel frame, aluminum blades. Exclude motor pack.

23 33 13 23-0002 EA 6" x 6" Horizontally Mounted Backdraft Damper .....	45.77	7.77
23 33 13 23-0003 EA 8" x 6" Horizontally Mounted Backdraft Damper .....	54.30	8.12
23 33 13 23-0004 EA 8" x 8" Horizontally Mounted Backdraft Damper .....	64.42	8.19
23 33 13 23-0005 EA 10" x 6" Horizontally Mounted Backdraft Damper .....	61.93	8.19
23 33 13 23-0006 EA 10" x 8" Horizontally Mounted Backdraft Damper .....	59.66	8.41
23 33 13 23-0007 EA 10" x 10" Horizontally Mounted Backdraft Damper .....	71.07	9.31
23 33 13 23-0008 EA 12" x 6" Horizontally Mounted Backdraft Damper .....	56.22	8.41
23 33 13 23-0009 EA 12" x 8" Horizontally Mounted Backdraft Damper .....	69.35	9.31
23 33 13 23-0010 EA 12" x 10" Horizontally Mounted Backdraft Damper .....	67.04	9.81
23 33 13 23-0011 EA 12" x 12" Horizontally Mounted Backdraft Damper .....	76.68	10.51
23 33 13 23-0012 EA 14" x 6" Horizontally Mounted Backdraft Damper .....	62.78	8.90
23 33 13 23-0013 EA 14" x 8" Horizontally Mounted Backdraft Damper .....	64.53	9.81
23 33 13 23-0014 EA 14" x 10" Horizontally Mounted Backdraft Damper .....	75.43	10.51
23 33 13 23-0015 EA 14" x 12" Horizontally Mounted Backdraft Damper .....	68.79	11.70
23 33 13 23-0016 EA 14" x 14" Horizontally Mounted Backdraft Damper .....	77.93	12.82
23 33 13 23-0017 EA 16" x 6" Horizontally Mounted Backdraft Damper .....	69.35	9.31
23 33 13 23-0018 EA 16" x 8" Horizontally Mounted Backdraft Damper .....	71.66	10.51
23 33 13 23-0019 EA 16" x 10" Horizontally Mounted Backdraft Damper .....	67.18	11.70
23 33 13 23-0020 EA 16" x 12" Horizontally Mounted Backdraft Damper .....	73.61	11.70
23 33 13 23-0021 EA 16" x 14" Horizontally Mounted Backdraft Damper .....	83.55	12.82
23 33 13 23-0022 EA 16" x 16" Horizontally Mounted Backdraft Damper .....	93.48	14.01
23 33 13 23-0023 EA 18" x 6" Horizontally Mounted Backdraft Damper .....	63.28	9.81
23 33 13 23-0024 EA 18" x 8" Horizontally Mounted Backdraft Damper .....	60.47	10.51
23 33 13 23-0025 EA 18" x 10" Horizontally Mounted Backdraft Damper .....	71.19	11.70
23 33 13 23-0026 EA 18" x 12" Horizontally Mounted Backdraft Damper .....	81.94	12.82
23 33 13 23-0027 EA 18" x 14" Horizontally Mounted Backdraft Damper .....	92.67	14.01
23 33 13 23-0028 EA 18" x 16" Horizontally Mounted Backdraft Damper .....	105.27	15.13
23 33 13 23-0029 EA 18" x 18" Horizontally Mounted Backdraft Damper .....	119.74	17.52
23 33 13 23-0030 EA 18" x 20" Horizontally Mounted Backdraft Damper .....	101.33	18.64
23 33 13 23-0031 EA 18" x 24" Horizontally Mounted Backdraft Damper .....	117.38	21.01
23 33 13 23-0032 EA 20" x 6" Horizontally Mounted Backdraft Damper .....	69.15	10.51
23 33 13 23-0033 EA 20" x 8" Horizontally Mounted Backdraft Damper .....	67.18	11.70
23 33 13 23-0034 EA 20" x 10" Horizontally Mounted Backdraft Damper .....	78.72	12.82
23 33 13 23-0035 EA 20" x 12" Horizontally Mounted Backdraft Damper .....	90.27	14.01
23 33 13 23-0036 EA 20" x 14" Horizontally Mounted Backdraft Damper .....	103.62	15.13
23 33 13 23-0037 EA 20" x 16" Horizontally Mounted Backdraft Damper .....	115.40	16.32
23 33 13 23-0038 EA 20" x 18" Horizontally Mounted Backdraft Damper .....	101.33	18.64
23 33 13 23-0039 EA 20" x 20" Horizontally Mounted Backdraft Damper .....	106.36	18.64
23 33 13 23-0040 EA 20" x 24" Horizontally Mounted Backdraft Damper .....	123.42	21.01
23 33 13 23-0041 EA 20" x 28" Horizontally Mounted Backdraft Damper .....	140.48	23.32
23 33 13 23-0042 EA 20" x 32" Horizontally Mounted Backdraft Damper .....	134.55	25.64
23 33 13 23-0043 EA 20" x 36" Horizontally Mounted Backdraft Damper .....	148.74	28.02
23 33 13 23-0044 EA 24" x 6" Horizontally Mounted Backdraft Damper .....	63.96	11.70
23 33 13 23-0045 EA 24" x 8" Horizontally Mounted Backdraft Damper .....	77.12	12.82
23 33 13 23-0046 EA 24" x 10" Horizontally Mounted Backdraft Damper .....	90.27	14.01
23 33 13 23-0047 EA 24" x 12" Horizontally Mounted Backdraft Damper .....	105.27	15.13
23 33 13 23-0048 EA 24" x 14" Horizontally Mounted Backdraft Damper .....	94.80	17.52
23 33 13 23-0049 EA 24" x 16" Horizontally Mounted Backdraft Damper .....	104.34	18.64
23 33 13 23-0050 EA 24" x 18" Horizontally Mounted Backdraft Damper .....	117.38	21.01
23 33 13 23-0051 EA 24" x 20" Horizontally Mounted Backdraft Damper .....	123.42	21.01
23 33 13 23-0052 EA 24" x 24" Horizontally Mounted Backdraft Damper .....	142.50	23.32
23 33 13 23-0053 EA 24" x 28" Horizontally Mounted Backdraft Damper .....	137.41	25.64
23 33 13 23-0054 EA 24" x 32" Horizontally Mounted Backdraft Damper .....	153.06	28.02
23 33 13 23-0055 EA 24" x 36" Horizontally Mounted Backdraft Damper .....	168.68	30.33
23 33 13 23-0056 EA 24" x 40" Horizontally Mounted Backdraft Damper .....	167.07	32.65
23 33 13 23-0057 EA 24" x 44" Horizontally Mounted Backdraft Damper .....	180.96	35.02
23 33 13 23-0058 EA 24" x 48" Horizontally Mounted Backdraft Damper .....	187.86	35.02
23 33 13 23-0059 EA 28" x 6" Horizontally Mounted Backdraft Damper .....	68.79	11.70
23 33 13 23-0060 EA 28" x 8" Horizontally Mounted Backdraft Damper .....	83.55	12.82
23 33 13 23-0061 EA 28" x 10" Horizontally Mounted Backdraft Damper .....	103.62	15.13
23 33 13 23-0062 EA 28" x 12" Horizontally Mounted Backdraft Damper .....	94.80	17.52
23 33 13 23-0063 EA 28" x 14" Horizontally Mounted Backdraft Damper .....	105.35	18.64
23 33 13 23-0064 EA 28" x 16" Horizontally Mounted Backdraft Damper .....	119.39	21.01
23 33 13 23-0065 EA 28" x 18" Horizontally Mounted Backdraft Damper .....	133.45	23.32
23 33 13 23-0066 EA 28" x 20" Horizontally Mounted Backdraft Damper .....	140.48	23.32
23 33 13 23-0067 EA 28" x 24" Horizontally Mounted Backdraft Damper .....	137.41	25.64
23 33 13 23-0068 EA 28" x 28" Horizontally Mounted Backdraft Damper .....	154.49	28.02

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0069 EA 28" x 32" Horizontally Mounted Backdraft Damper .....	171.55	30.33
23 33 13 23-0070 EA 28" x 36" Horizontally Mounted Backdraft Damper .....	177.51	35.02
23 33 13 23-0071 EA 28" x 40" Horizontally Mounted Backdraft Damper .....	185.56	35.02
23 33 13 23-0072 EA 28" x 44" Horizontally Mounted Backdraft Damper .....	200.62	37.33
23 33 13 23-0073 EA 28" x 48" Horizontally Mounted Backdraft Damper .....	215.67	39.65
23 33 13 23-0074 EA 28" x 52" Horizontally Mounted Backdraft Damper .....	223.72	39.65
23 33 13 23-0075 EA 28" x 56" Horizontally Mounted Backdraft Damper .....	224.70	41.96
23 33 13 23-0076 EA 28" x 60" Horizontally Mounted Backdraft Damper .....	231.73	41.96
23 33 13 23-0077 EA 32" x 6" Horizontally Mounted Backdraft Damper .....	77.12	12.82
23 33 13 23-0078 EA 32" x 8" Horizontally Mounted Backdraft Damper .....	98.64	15.13
23 33 13 23-0079 EA 32" x 10" Horizontally Mounted Backdraft Damper .....	115.40	16.32
23 33 13 23-0080 EA 32" x 12" Horizontally Mounted Backdraft Damper .....	104.34	18.64
23 33 13 23-0081 EA 32" x 14" Horizontally Mounted Backdraft Damper .....	119.39	21.01
23 33 13 23-0082 EA 32" x 16" Horizontally Mounted Backdraft Damper .....	134.45	23.32
23 33 13 23-0083 EA 32" x 18" Horizontally Mounted Backdraft Damper .....	121.79	23.32
23 33 13 23-0084 EA 32" x 20" Horizontally Mounted Backdraft Damper .....	134.55	25.64
23 33 13 23-0085 EA 32" x 24" Horizontally Mounted Backdraft Damper .....	153.06	28.02
23 33 13 23-0086 EA 32" x 28" Horizontally Mounted Backdraft Damper .....	171.55	30.33
23 33 13 23-0087 EA 32" x 32" Horizontally Mounted Backdraft Damper .....	178.66	35.02
23 33 13 23-0088 EA 32" x 36" Horizontally Mounted Backdraft Damper .....	187.86	35.02
23 33 13 23-0089 EA 32" x 40" Horizontally Mounted Backdraft Damper .....	204.07	37.33
23 33 13 23-0090 EA 32" x 44" Horizontally Mounted Backdraft Damper .....	220.27	39.65
23 33 13 23-0091 EA 32" x 48" Horizontally Mounted Backdraft Damper .....	222.68	41.96
23 33 13 23-0092 EA 32" x 52" Horizontally Mounted Backdraft Damper .....	230.73	41.96
23 33 13 23-0093 EA 32" x 56" Horizontally Mounted Backdraft Damper .....	245.78	44.34
23 33 13 23-0094 EA 32" x 60" Horizontally Mounted Backdraft Damper .....	253.83	44.34
23 33 13 23-0095 EA 32" x 64" Horizontally Mounted Backdraft Damper .....	250.49	46.66
23 33 13 23-0096 EA 32" x 68" Horizontally Mounted Backdraft Damper .....	257.38	46.66
23 33 13 23-0097 EA 32" x 72" Horizontally Mounted Backdraft Damper .....	271.28	48.96
23 33 13 23-0098 EA 36" x 6" Horizontally Mounted Backdraft Damper .....	81.94	12.82
23 33 13 23-0099 EA 36" x 8" Horizontally Mounted Backdraft Damper .....	108.76	16.32
23 33 13 23-0100 EA 36" x 10" Horizontally Mounted Backdraft Damper .....	101.33	18.64
23 33 13 23-0101 EA 36" x 12" Horizontally Mounted Backdraft Damper .....	117.38	21.01
23 33 13 23-0102 EA 36" x 14" Horizontally Mounted Backdraft Damper .....	133.45	23.32
23 33 13 23-0103 EA 36" x 16" Horizontally Mounted Backdraft Damper .....	121.79	23.32
23 33 13 23-0104 EA 36" x 18" Horizontally Mounted Backdraft Damper .....	135.26	25.64
23 33 13 23-0105 EA 36" x 20" Horizontally Mounted Backdraft Damper .....	148.74	28.02
23 33 13 23-0106 EA 36" x 24" Horizontally Mounted Backdraft Damper .....	168.68	30.33
23 33 13 23-0107 EA 36" x 28" Horizontally Mounted Backdraft Damper .....	177.51	35.02
23 33 13 23-0108 EA 36" x 32" Horizontally Mounted Backdraft Damper .....	187.86	35.02
23 33 13 23-0109 EA 36" x 36" Horizontally Mounted Backdraft Damper .....	205.22	37.33
23 33 13 23-0110 EA 36" x 40" Horizontally Mounted Backdraft Damper .....	222.57	39.65
23 33 13 23-0111 EA 36" x 44" Horizontally Mounted Backdraft Damper .....	225.69	41.96
23 33 13 23-0112 EA 36" x 48" Horizontally Mounted Backdraft Damper .....	241.75	44.34
23 33 13 23-0113 EA 36" x 52" Horizontally Mounted Backdraft Damper .....	250.81	44.34
23 33 13 23-0114 EA 36" x 56" Horizontally Mounted Backdraft Damper .....	248.76	46.66
23 33 13 23-0115 EA 36" x 60" Horizontally Mounted Backdraft Damper .....	256.52	46.66
23 33 13 23-0116 EA 36" x 64" Horizontally Mounted Backdraft Damper .....	271.28	48.96
23 33 13 23-0117 EA 36" x 68" Horizontally Mounted Backdraft Damper .....	279.04	48.96
23 33 13 23-0118 EA 36" x 72" Horizontally Mounted Backdraft Damper .....	286.81	48.96
23 33 13 23-0119 EA 40" x 6" Horizontally Mounted Backdraft Damper .....	90.27	14.01
23 33 13 23-0120 EA 40" x 8" Horizontally Mounted Backdraft Damper .....	118.91	17.52
23 33 13 23-0121 EA 40" x 10" Horizontally Mounted Backdraft Damper .....	106.36	18.64
23 33 13 23-0122 EA 40" x 12" Horizontally Mounted Backdraft Damper .....	123.42	21.01
23 33 13 23-0123 EA 40" x 14" Horizontally Mounted Backdraft Damper .....	140.48	23.32
23 33 13 23-0124 EA 40" x 16" Horizontally Mounted Backdraft Damper .....	134.55	25.64
23 33 13 23-0125 EA 40" x 18" Horizontally Mounted Backdraft Damper .....	148.74	28.02
23 33 13 23-0126 EA 40" x 20" Horizontally Mounted Backdraft Damper .....	162.92	30.33
23 33 13 23-0127 EA 40" x 24" Horizontally Mounted Backdraft Damper .....	167.07	32.65
23 33 13 23-0128 EA 40" x 28" Horizontally Mounted Backdraft Damper .....	185.56	35.02
23 33 13 23-0129 EA 40" x 32" Horizontally Mounted Backdraft Damper .....	204.07	37.33
23 33 13 23-0130 EA 40" x 36" Horizontally Mounted Backdraft Damper .....	222.57	39.65
23 33 13 23-0131 EA 40" x 40" Horizontally Mounted Backdraft Damper .....	226.70	41.96
23 33 13 23-0132 EA 40" x 44" Horizontally Mounted Backdraft Damper .....	243.76	44.34
23 33 13 23-0133 EA 40" x 48" Horizontally Mounted Backdraft Damper .....	253.83	44.34
23 33 13 23-0134 EA 40" x 50" Horizontally Mounted Backdraft Damper .....	247.90	46.66
23 33 13 23-0135 EA 44" x 6" Horizontally Mounted Backdraft Damper .....	100.30	15.13
23 33 13 23-0136 EA 44" x 8" Horizontally Mounted Backdraft Damper .....	100.32	18.64
23 33 13 23-0137 EA 44" x 10" Horizontally Mounted Backdraft Damper .....	118.39	21.01
23 33 13 23-0138 EA 44" x 12" Horizontally Mounted Backdraft Damper .....	136.46	23.32
23 33 13 23-0139 EA 44" x 14" Horizontally Mounted Backdraft Damper .....	132.39	25.64
23 33 13 23-0140 EA 44" x 16" Horizontally Mounted Backdraft Damper .....	147.30	28.02
23 33 13 23-0141 EA 44" x 18" Horizontally Mounted Backdraft Damper .....	155.21	28.02
23 33 13 23-0142 EA 44" x 20" Horizontally Mounted Backdraft Damper .....	170.11	30.33
23 33 13 23-0143 EA 44" x 24" Horizontally Mounted Backdraft Damper .....	180.96	35.02
23 33 13 23-0144 EA 44" x 28" Horizontally Mounted Backdraft Damper .....	200.62	37.33
23 33 13 23-0145 EA 44" x 32" Horizontally Mounted Backdraft Damper .....	220.27	39.65
23 33 13 23-0146 EA 44" x 36" Horizontally Mounted Backdraft Damper .....	225.69	41.96
23 33 13 23-0147 EA 44" x 40" Horizontally Mounted Backdraft Damper .....	243.76	44.34
23 33 13 23-0148 EA 44" x 44" Horizontally Mounted Backdraft Damper .....	254.83	44.34
23 33 13 23-0149 EA 44" x 48" Horizontally Mounted Backdraft Damper .....	253.94	46.66



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0150	EA		44" x 50" Horizontally Mounted Backdraft Damper	258.68	46.66
23 33 13 23-0151	EA		48" x 6" Horizontally Mounted Backdraft Damper	108.76	16.32
23 33 13 23-0152	EA		48" x 8" Horizontally Mounted Backdraft Damper	104.34	18.64
23 33 13 23-0153	EA		48" x 10" Horizontally Mounted Backdraft Damper	123.42	21.01
23 33 13 23-0154	EA		48" x 12" Horizontally Mounted Backdraft Damper	121.79	23.32
23 33 13 23-0155	EA		48" x 14" Horizontally Mounted Backdraft Damper	137.41	25.64
23 33 13 23-0156	EA		48" x 16" Horizontally Mounted Backdraft Damper	153.06	28.02
23 33 13 23-0157	EA		48" x 18" Horizontally Mounted Backdraft Damper	168.68	30.33
23 33 13 23-0158	EA		48" x 20" Horizontally Mounted Backdraft Damper	167.07	32.65
23 33 13 23-0159	EA		48" x 24" Horizontally Mounted Backdraft Damper	187.86	35.02
23 33 13 23-0160	EA		48" x 28" Horizontally Mounted Backdraft Damper	215.67	39.65
23 33 13 23-0161	EA		48" x 32" Horizontally Mounted Backdraft Damper	222.68	41.96
23 33 13 23-0162	EA		48" x 36" Horizontally Mounted Backdraft Damper	241.75	44.34
23 33 13 23-0163	EA		48" x 40" Horizontally Mounted Backdraft Damper	253.83	44.34
23 33 13 23-0164	EA		48" x 44" Horizontally Mounted Backdraft Damper	253.94	46.66
23 33 13 23-0165	EA		48" x 48" Horizontally Mounted Backdraft Damper	271.28	48.96
23 33 13 23-0166	EA		48" x 50" Horizontally Mounted Backdraft Damper	276.46	48.96
23 33 13 23-0167	EA		50" x 6" Horizontally Mounted Backdraft Damper	111.25	16.32
23 33 13 23-0168	EA		50" x 8" Horizontally Mounted Backdraft Damper	113.36	21.01
23 33 13 23-0169	EA		50" x 10" Horizontally Mounted Backdraft Damper	132.95	23.32
23 33 13 23-0170	EA		50" x 12" Horizontally Mounted Backdraft Damper	130.95	25.64
23 33 13 23-0171	EA		50" x 14" Horizontally Mounted Backdraft Damper	146.94	28.02
23 33 13 23-0172	EA		50" x 16" Horizontally Mounted Backdraft Damper	162.92	30.33
23 33 13 23-0173	EA		50" x 18" Horizontally Mounted Backdraft Damper	178.92	32.65
23 33 13 23-0174	EA		50" x 20" Horizontally Mounted Backdraft Damper	176.93	35.02
23 33 13 23-0175	EA		50" x 24" Horizontally Mounted Backdraft Damper	198.32	37.33
23 33 13 23-0176	EA		50" x 28" Horizontally Mounted Backdraft Damper	219.69	39.65
23 33 13 23-0177	EA		50" x 32" Horizontally Mounted Backdraft Damper	226.70	41.96
23 33 13 23-0178	EA		50" x 36" Horizontally Mounted Backdraft Damper	246.28	44.34
23 33 13 23-0179	EA		50" x 40" Horizontally Mounted Backdraft Damper	247.90	46.66
23 33 13 23-0180	EA		50" x 44" Horizontally Mounted Backdraft Damper	258.68	46.66
23 33 13 23-0181	EA		50" x 48" Horizontally Mounted Backdraft Damper	276.46	48.96
23 33 13 23-0182	EA		50" x 50" Horizontally Mounted Backdraft Damper	281.85	48.96

23 33 13 23-0183

Vertically Mounted Backdraft Damper (23 33 13 23)

Note: Galvanized steel frame, aluminum blades. Excludes motor pack.

23 33 13 23-0184	EA		6" x 6" Vertically Mounted Backdraft Damper	49.17	7.77
23 33 13 23-0185	EA		8" x 6" Vertically Mounted Backdraft Damper	58.85	8.12
23 33 13 23-0186	EA		10" x 6" Vertically Mounted Backdraft Damper	60.43	8.19
23 33 13 23-0187	EA		8" x 8" Vertically Mounted Backdraft Damper	62.82	8.19
23 33 13 23-0188	EA		12" x 6" Vertically Mounted Backdraft Damper	68.31	8.41
23 33 13 23-0189	EA		10" x 8" Vertically Mounted Backdraft Damper	75.90	9.31
23 33 13 23-0190	EA		14" x 6" Vertically Mounted Backdraft Damper	75.49	8.41
23 33 13 23-0191	EA		12" x 8" Vertically Mounted Backdraft Damper	85.48	9.31
23 33 13 23-0192	EA		16" x 6" Vertically Mounted Backdraft Damper	86.88	9.81
23 33 13 23-0193	EA		10" x 10" Vertically Mounted Backdraft Damper	91.38	10.51
23 33 13 23-0194	EA		18" x 6" Vertically Mounted Backdraft Damper	73.87	8.90
23 33 13 23-0195	EA		14" x 8" Vertically Mounted Backdraft Damper	78.42	9.81
23 33 13 23-0196	EA		12" x 10" Vertically Mounted Backdraft Damper	84.03	10.51
23 33 13 23-0197	EA		20" x 6" Vertically Mounted Backdraft Damper	87.52	11.70
23 33 13 23-0198	EA		16" x 8" Vertically Mounted Backdraft Damper	94.53	12.82
23 33 13 23-0199	EA		14" x 10" Vertically Mounted Backdraft Damper	89.27	9.31
23 33 13 23-0200	EA		12" x 12" Vertically Mounted Backdraft Damper	94.53	10.51
23 33 13 23-0201	EA		18" x 8" Vertically Mounted Backdraft Damper	85.17	11.70
23 33 13 23-0202	EA		24" x 6" Vertically Mounted Backdraft Damper	85.17	11.70
23 33 13 23-0203	EA		16" x 10" Vertically Mounted Backdraft Damper	94.24	12.82
23 33 13 23-0204	EA		20" x 8" Vertically Mounted Backdraft Damper	97.74	14.01
23 33 13 23-0205	EA		14" x 12" Vertically Mounted Backdraft Damper	87.92	9.81
23 33 13 23-0206	EA		28" x 6" Vertically Mounted Backdraft Damper	90.03	10.51
23 33 13 23-0207	EA		18" x 10" Vertically Mounted Backdraft Damper	97.69	11.70
23 33 13 23-0208	EA		16" x 12" Vertically Mounted Backdraft Damper	105.38	12.82
23 33 13 23-0209	EA		24" x 8" Vertically Mounted Backdraft Damper	108.88	14.01
23 33 13 23-0210	EA		32" x 6" Vertically Mounted Backdraft Damper	112.39	15.13
23 33 13 23-0211	EA		14" x 14" Vertically Mounted Backdraft Damper	120.79	17.52
23 33 13 23-0212	EA		20" x 10" Vertically Mounted Backdraft Damper	120.85	18.64
23 33 13 23-0213	EA		18" x 12" Vertically Mounted Backdraft Damper	133.03	21.01
23 33 13 23-0214	EA		36" x 6" Vertically Mounted Backdraft Damper	101.52	10.51
23 33 13 23-0215	EA		16" x 14" Vertically Mounted Backdraft Damper	107.61	11.70
23 33 13 23-0216	EA		28" x 8" Vertically Mounted Backdraft Damper	111.12	12.82
23 33 13 23-0217	EA		20" x 12" Vertically Mounted Backdraft Damper	119.79	14.01
23 33 13 23-0218	EA		24" x 10" Vertically Mounted Backdraft Damper	123.30	15.13
23 33 13 23-0219	EA		40" x 6" Vertically Mounted Backdraft Damper	126.79	16.32
23 33 13 23-0220	EA		18" x 14" Vertically Mounted Backdraft Damper	137.70	18.64
23 33 13 23-0221	EA		16" x 16" Vertically Mounted Backdraft Damper	138.99	18.64
23 33 13 23-0222	EA		32" x 8" Vertically Mounted Backdraft Damper	145.99	21.01
23 33 13 23-0223	EA		44" x 6" Vertically Mounted Backdraft Damper	155.59	23.32
23 33 13 23-0224	EA		20" x 14" Vertically Mounted Backdraft Damper	167.78	25.64
23 33 13 23-0225	EA		28" x 10" Vertically Mounted Backdraft Damper	174.79	28.02
23 33 13 23-0226	EA		18" x 16" Vertically Mounted Backdraft Damper	128.34	11.70
23 33 13 23-0227	EA		24" x 12" Vertically Mounted Backdraft Damper	131.85	12.82

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33	13 23	0228	EA 36" x 8" Vertically Mounted Backdraft Damper .....	135.35	14.01
23 33	13 23	0229	EA 48" x 6" Vertically Mounted Backdraft Damper .....	138.86	15.13
23 33	13 23	0230	EA 50" x 6" Vertically Mounted Backdraft Damper .....	149.75	17.52
23 33	13 23	0231	EA 20" x 16" Vertically Mounted Backdraft Damper .....	159.73	18.64
23 33	13 23	0232	EA 32" x 10" Vertically Mounted Backdraft Damper .....	166.73	21.01
23 33	13 23	0233	EA 40" x 8" Vertically Mounted Backdraft Damper .....	166.73	21.01
23 33	13 23	0234	EA 18" x 18" Vertically Mounted Backdraft Damper .....	153.00	23.32
23 33	13 23	0235	EA 24" x 14" Vertically Mounted Backdraft Damper .....	148.48	25.64
23 33	13 23	0236	EA 28" x 12" Vertically Mounted Backdraft Damper .....	155.49	28.02
23 33	13 23	0237	EA 44" x 8" Vertically Mounted Backdraft Damper .....	165.89	30.33
23 33	13 23	0238	EA 18" x 20" Vertically Mounted Backdraft Damper .....	174.60	32.65
23 33	13 23	0239	EA 20" x 18" Vertically Mounted Backdraft Damper .....	181.60	35.02
23 33	13 23	0240	EA 36" x 10" Vertically Mounted Backdraft Damper .....	181.60	35.02
23 33	13 23	0241	EA 24" x 16" Vertically Mounted Backdraft Damper .....	116.66	11.70
23 33	13 23	0242	EA 32" x 12" Vertically Mounted Backdraft Damper .....	120.17	12.82
23 33	13 23	0243	EA 48" x 8" Vertically Mounted Backdraft Damper .....	127.18	15.13
23 33	13 23	0244	EA 28" x 14" Vertically Mounted Backdraft Damper .....	135.88	17.52
23 33	13 23	0245	EA 20" x 20" Vertically Mounted Backdraft Damper .....	141.08	18.64
23 33	13 23	0246	EA 40" x 10" Vertically Mounted Backdraft Damper .....	148.08	21.01
23 33	13 23	0247	EA 50" x 8" Vertically Mounted Backdraft Damper .....	155.09	23.32
23 33	13 23	0248	EA 18" x 24" Vertically Mounted Backdraft Damper .....	161.89	23.32
23 33	13 23	0249	EA 24" x 18" Vertically Mounted Backdraft Damper .....	168.89	25.64
23 33	13 23	0250	EA 36" x 12" Vertically Mounted Backdraft Damper .....	175.90	28.02
23 33	13 23	0251	EA 44" x 10" Vertically Mounted Backdraft Damper .....	184.60	30.33
23 33	13 23	0252	EA 28" x 16" Vertically Mounted Backdraft Damper .....	200.32	35.02
23 33	13 23	0253	EA 32" x 14" Vertically Mounted Backdraft Damper .....	200.32	35.02
23 33	13 23	0254	EA 20" x 24" Vertically Mounted Backdraft Damper .....	214.98	37.33
23 33	13 23	0255	EA 24" x 20" Vertically Mounted Backdraft Damper .....	206.31	39.65
23 33	13 23	0256	EA 40" x 12" Vertically Mounted Backdraft Damper .....	206.31	39.65
23 33	13 23	0257	EA 48" x 10" Vertically Mounted Backdraft Damper .....	213.32	41.96
23 33	13 23	0258	EA 50" x 10" Vertically Mounted Backdraft Damper .....	216.96	41.96
23 33	13 23	0259	EA 28" x 18" Vertically Mounted Backdraft Damper .....	130.12	12.82
23 33	13 23	0260	EA 36" x 14" Vertically Mounted Backdraft Damper .....	137.13	15.13
23 33	13 23	0261	EA 32" x 16" Vertically Mounted Backdraft Damper .....	142.08	16.32
23 33	13 23	0262	EA 44" x 12" Vertically Mounted Backdraft Damper .....	151.99	18.64
23 33	13 23	0263	EA 20" x 28" Vertically Mounted Backdraft Damper .....	164.81	21.01
23 33	13 23	0264	EA 28" x 20" Vertically Mounted Backdraft Damper .....	171.82	23.32
23 33	13 23	0265	EA 40" x 14" Vertically Mounted Backdraft Damper .....	171.82	23.32
23 33	13 23	0266	EA 24" x 24" Vertically Mounted Backdraft Damper .....	181.72	25.64
23 33	13 23	0267	EA 32" x 18" Vertically Mounted Backdraft Damper .....	188.73	28.02
23 33	13 23	0268	EA 36" x 16" Vertically Mounted Backdraft Damper .....	195.73	30.33
23 33	13 23	0269	EA 48" x 12" Vertically Mounted Backdraft Damper .....	209.74	35.02
23 33	13 23	0270	EA 50" x 12" Vertically Mounted Backdraft Damper .....	214.11	35.02
23 33	13 23	0271	EA 44" x 14" Vertically Mounted Backdraft Damper .....	224.03	37.33
23 33	13 23	0272	EA 20" x 32" Vertically Mounted Backdraft Damper .....	235.39	39.65
23 33	13 23	0273	EA 32" x 20" Vertically Mounted Backdraft Damper .....	242.40	41.96
23 33	13 23	0274	EA 40" x 16" Vertically Mounted Backdraft Damper .....	242.40	41.96
23 33	13 23	0275	EA 36" x 18" Vertically Mounted Backdraft Damper .....	250.85	44.34
23 33	13 23	0276	EA 24" x 28" Vertically Mounted Backdraft Damper .....	255.94	44.34
23 33	13 23	0277	EA 28" x 24" Vertically Mounted Backdraft Damper .....	252.42	46.66
23 33	13 23	0278	EA 48" x 14" Vertically Mounted Backdraft Damper .....	252.42	46.66
23 33	13 23	0279	EA 50" x 14" Vertically Mounted Backdraft Damper .....	264.10	48.96
23 33	13 23	0280	EA 44" x 16" Vertically Mounted Backdraft Damper .....	156.19	12.82
23 33	13 23	0281	EA 20" x 36" Vertically Mounted Backdraft Damper .....	169.37	16.32
23 33	13 23	0282	EA 36" x 20" Vertically Mounted Backdraft Damper .....	176.38	18.64
23 33	13 23	0283	EA 40" x 18" Vertically Mounted Backdraft Damper .....	183.38	21.01
23 33	13 23	0284	EA 24" x 32" Vertically Mounted Backdraft Damper .....	198.41	23.32
23 33	13 23	0285	EA 32" x 24" Vertically Mounted Backdraft Damper .....	198.41	23.32
23 33	13 23	0286	EA 48" x 16" Vertically Mounted Backdraft Damper .....	205.41	25.64
23 33	13 23	0287	EA 28" x 28" Vertically Mounted Backdraft Damper .....	215.10	28.02
23 33	13 23	0288	EA 44" x 18" Vertically Mounted Backdraft Damper .....	223.43	30.33
23 33	13 23	0289	EA 40" x 20" Vertically Mounted Backdraft Damper .....	238.78	35.02
23 33	13 23	0290	EA 50" x 16" Vertically Mounted Backdraft Damper .....	238.78	35.02
23 33	13 23	0291	EA 24" x 36" Vertically Mounted Backdraft Damper .....	256.49	37.33
23 33	13 23	0292	EA 36" x 24" Vertically Mounted Backdraft Damper .....	263.49	39.65
23 33	13 23	0293	EA 48" x 18" Vertically Mounted Backdraft Damper .....	270.50	41.96
23 33	13 23	0294	EA 44" x 20" Vertically Mounted Backdraft Damper .....	280.17	44.34
23 33	13 23	0295	EA 28" x 32" Vertically Mounted Backdraft Damper .....	282.85	44.34
23 33	13 23	0296	EA 32" x 28" Vertically Mounted Backdraft Damper .....	289.86	46.66
23 33	13 23	0297	EA 50" x 18" Vertically Mounted Backdraft Damper .....	290.52	46.66
23 33	13 23	0298	EA 24" x 40" Vertically Mounted Backdraft Damper .....	307.55	48.96
23 33	13 23	0299	EA 40" x 24" Vertically Mounted Backdraft Damper .....	307.55	48.96
23 33	13 23	0300	EA 48" x 20" Vertically Mounted Backdraft Damper .....	307.55	48.96
23 33	13 23	0301	EA 50" x 20" Vertically Mounted Backdraft Damper .....	209.17	14.01
23 33	13 23	0302	EA 28" x 36" Vertically Mounted Backdraft Damper .....	221.01	17.52
23 33	13 23	0303	EA 36" x 28" Vertically Mounted Backdraft Damper .....	224.51	18.64
23 33	13 23	0304	EA 32" x 32" Vertically Mounted Backdraft Damper .....	234.19	21.01
23 33	13 23	0305	EA 24" x 44" Vertically Mounted Backdraft Damper .....	227.47	23.32
23 33	13 23	0306	EA 44" x 24" Vertically Mounted Backdraft Damper .....	234.47	25.64
23 33	13 23	0307	EA 28" x 40" Vertically Mounted Backdraft Damper .....	251.01	28.02
23 33	13 23	0308	EA 40" x 28" Vertically Mounted Backdraft Damper .....	258.01	30.33



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0309 EA 24" x 48" Vertically Mounted Backdraft Damper .....	269.80	32.65
23 33 13 23-0310 EA 32" x 36" Vertically Mounted Backdraft Damper .....	276.80	35.02
23 33 13 23-0311 EA 36" x 32" Vertically Mounted Backdraft Damper .....	283.81	37.33
23 33 13 23-0312 EA 48" x 24" Vertically Mounted Backdraft Damper .....	290.81	39.65
23 33 13 23-0313 EA 50" x 24" Vertically Mounted Backdraft Damper .....	304.97	41.96
23 33 13 23-0314 EA 28" x 44" Vertically Mounted Backdraft Damper .....	316.73	44.34
23 33 13 23-0315 EA 44" x 28" Vertically Mounted Backdraft Damper .....	316.73	44.34
23 33 13 23-0316 EA 32" x 40" Vertically Mounted Backdraft Damper .....	330.91	46.66
23 33 13 23-0317 EA 40" x 32" Vertically Mounted Backdraft Damper .....	236.35	15.13
23 33 13 23-0318 EA 36" x 36" Vertically Mounted Backdraft Damper .....	249.23	18.64
23 33 13 23-0319 EA 28" x 48" Vertically Mounted Backdraft Damper .....	263.38	21.01
23 33 13 23-0320 EA 48" x 28" Vertically Mounted Backdraft Damper .....	270.39	23.32
23 33 13 23-0321 EA 50" x 28" Vertically Mounted Backdraft Damper .....	285.74	25.64
23 33 13 23-0322 EA 32" x 44" Vertically Mounted Backdraft Damper .....	293.94	28.02
23 33 13 23-0323 EA 44" x 32" Vertically Mounted Backdraft Damper .....	293.94	28.02
23 33 13 23-0324 EA 36" x 40" Vertically Mounted Backdraft Damper .....	306.31	30.33
23 33 13 23-0325 EA 40" x 36" Vertically Mounted Backdraft Damper .....	298.26	35.02
23 33 13 23-0326 EA 28" x 52" Vertically Mounted Backdraft Damper .....	307.41	37.33
23 33 13 23-0327 EA 32" x 48" Vertically Mounted Backdraft Damper .....	325.14	39.65
23 33 13 23-0328 EA 48" x 32" Vertically Mounted Backdraft Damper .....	332.15	41.96
23 33 13 23-0329 EA 28" x 56" Vertically Mounted Backdraft Damper .....	343.45	44.34
23 33 13 23-0330 EA 36" x 44" Vertically Mounted Backdraft Damper .....	345.60	44.34
23 33 13 23-0331 EA 44" x 36" Vertically Mounted Backdraft Damper .....	352.61	46.66
23 33 13 23-0332 EA 40" x 40" Vertically Mounted Backdraft Damper .....	354.75	46.66
23 33 13 23-0333 EA 50" x 32" Vertically Mounted Backdraft Damper .....	263.68	16.32
23 33 13 23-0334 EA 32" x 52" Vertically Mounted Backdraft Damper .....	279.28	18.64
23 33 13 23-0335 EA 28" x 60" Vertically Mounted Backdraft Damper .....	288.42	21.01
23 33 13 23-0336 EA 36" x 48" Vertically Mounted Backdraft Damper .....	301.88	23.32
23 33 13 23-0337 EA 48" x 36" Vertically Mounted Backdraft Damper .....	308.88	25.64
23 33 13 23-0338 EA 40" x 44" Vertically Mounted Backdraft Damper .....	320.18	28.02
23 33 13 23-0339 EA 44" x 40" Vertically Mounted Backdraft Damper .....	327.18	30.33
23 33 13 23-0340 EA 32" x 56" Vertically Mounted Backdraft Damper .....	338.48	32.65
23 33 13 23-0341 EA 50" x 36" Vertically Mounted Backdraft Damper .....	319.72	35.02
23 33 13 23-0342 EA 36" x 52" Vertically Mounted Backdraft Damper .....	342.32	39.65
23 33 13 23-0343 EA 32" x 60" Vertically Mounted Backdraft Damper .....	355.05	41.96
23 33 13 23-0344 EA 40" x 48" Vertically Mounted Backdraft Damper .....	362.05	44.34
23 33 13 23-0345 EA 48" x 40" Vertically Mounted Backdraft Damper .....	362.05	44.34
23 33 13 23-0346 EA 44" x 44" Vertically Mounted Backdraft Damper .....	370.97	46.66
23 33 13 23-0347 EA 40" x 50" Vertically Mounted Backdraft Damper .....	385.61	48.96
23 33 13 23-0348 EA 50" x 40" Vertically Mounted Backdraft Damper .....	385.61	48.96
23 33 13 23-0349 EA 36" x 56" Vertically Mounted Backdraft Damper .....	289.44	16.32
23 33 13 23-0350 EA 32" x 64" Vertically Mounted Backdraft Damper .....	307.27	21.01
23 33 13 23-0351 EA 44" x 48" Vertically Mounted Backdraft Damper .....	321.91	23.32
23 33 13 23-0352 EA 48" x 44" Vertically Mounted Backdraft Damper .....	328.91	25.64
23 33 13 23-0353 EA 36" x 60" Vertically Mounted Backdraft Damper .....	341.65	28.02
23 33 13 23-0354 EA 32" x 68" Vertically Mounted Backdraft Damper .....	350.56	30.33
23 33 13 23-0355 EA 44" x 50" Vertically Mounted Backdraft Damper .....	327.63	32.65
23 33 13 23-0356 EA 50" x 44" Vertically Mounted Backdraft Damper .....	334.63	35.02
23 33 13 23-0357 EA 32" x 72" Vertically Mounted Backdraft Damper .....	352.49	37.33
23 33 13 23-0358 EA 36" x 64" Vertically Mounted Backdraft Damper .....	359.49	39.65
23 33 13 23-0359 EA 48" x 48" Vertically Mounted Backdraft Damper .....	366.50	41.96
23 33 13 23-0360 EA 48" x 50" Vertically Mounted Backdraft Damper .....	383.51	44.34
23 33 13 23-0361 EA 50" x 48" Vertically Mounted Backdraft Damper .....	390.52	46.66
23 33 13 23-0362 EA 36" x 68" Vertically Mounted Backdraft Damper .....	395.53	46.66
23 33 13 23-0363 EA 50" x 50" Vertically Mounted Backdraft Damper .....	407.96	48.96
23 33 13 23-0364 EA 36" x 72" Vertically Mounted Backdraft Damper .....	417.56	48.96
<b>23 33 13 23-0365 Backdraft Damper Accessories (23 33 13 23)</b>		
23 33 13 23-0366 EA For Motor Pack For Horizontally Mounted Backdraft Damper .....	113.41	18.38
23 33 13 23-0367 EA For Motor Pack For Vertically Mounted Backdraft Damper .....	183.76	18.38
<b>23 33 13 33 Splitter Damper Hardware (23 33 13)</b>		
23 33 13 33-0001 EA Splitter Damper, Hardware .....	22.04	4.90
<b>23 33 13 43 Blower Check Valve (23 33 13)</b>		
<b>23 33 13 43-0001 Blower Check Valves With Silicone Seals (23 33 13 43)</b>		
23 33 13 43-0002 EA 2-1/2" Blower Check Valves, Silicone Seals .....	156.25	18.07
23 33 13 43-0003 EA 3" Blower Check Valves, Silicone Seals .....	174.47	20.59
23 33 13 43-0004 EA 4" Blower Check Valves, Silicone Seals .....	224.14	27.32
23 33 13 43-0005 EA 5" Blower Check Valves, Silicone Seals .....	309.44	31.53
23 33 13 43-0006 EA 6" Blower Check Valves, Silicone Seals .....	346.82	37.83
23 33 13 43-0007 EA 8" Blower Check Valves, Silicone Seals .....	516.62	47.92
<b>23 33 13 43-0008 Blower Check Valves With Viton Seats (23 33 13 43)</b>		
23 33 13 43-0009 EA 2-1/2" Blower Check Valves, Viton Seats .....	215.80	18.07
23 33 13 43-0010 EA 3" Blower Check Valves, Viton Seats .....	245.25	20.59

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 43-0011	EA		4" Blower Check Valves, Viton Seats.....	273.42	27.32
23 33 13 43-0012	EA		5" Blower Check Valves, Viton Seats.....	383.22	31.53
23 33 13 43-0013	EA		6" Blower Check Valves, Viton Seats.....	428.26	37.83
23 33 13 43-0014	EA		8" Blower Check Valves, Viton Seats.....	660.69	47.92
<b>23 33 19 Duct Silencers (23 33)</b>					
<b>23 33 19 00-0001 36" Long Packaged Duct Sound Trap (23 33 19)</b>					
23 33 19 00-0002	EA		12" x 12" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	242.06	28.72
23 33 19 00-0003	EA		12" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	292.59	32.91
23 33 19 00-0004	EA		12" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	385.95	37.82
23 33 19 00-0005	EA		12" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	473.94	42.72
23 33 19 00-0006	EA		24" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	434.56	42.72
23 33 19 00-0007	EA		24" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	567.09	44.82
23 33 19 00-0008	EA		24" x 30" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	629.00	47.62
23 33 19 00-0009	EA		24" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	692.31	50.42
23 33 19 00-0010	EA		24" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	919.81	57.42
23 33 19 00-0011	EA		36" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	559.47	47.62
23 33 19 00-0012	EA		36" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	764.54	57.42
23 33 19 00-0013	EA		36" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,385.09	77.03
23 33 19 00-0014	EA		36" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,537.60	81.24
23 33 19 00-0015	EA		48" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,719.80	87.54
23 33 19 00-0016	EA		48" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,934.71	95.24
<b>23 33 19 00-0017 60" Long Packaged Duct Sound Trap (23 33 19)</b>					
23 33 19 00-0018	EA		12" x 12" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	270.89	63.03
23 33 19 00-0019	EA		12" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	328.28	72.83
23 33 19 00-0020	EA		12" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	434.07	84.04
23 33 19 00-0021	EA		12" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	533.13	94.54
23 33 19 00-0022	EA		24" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	488.36	94.54
23 33 19 00-0023	EA		24" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	639.89	100.14
23 33 19 00-0024	EA		24" x 30" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	707.83	105.04
23 33 19 00-0025	EA		24" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	776.83	110.65
23 33 19 00-0026	EA		24" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,036.89	126.05
23 33 19 00-0027	EA		36" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	628.82	105.04
23 33 19 00-0028	EA		36" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	860.45	126.05
23 33 19 00-0029	EA		36" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,556.32	165.97
23 33 19 00-0030	EA		36" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,740.12	179.97
23 33 19 00-0031	EA		48" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,938.40	191.19
23 33 19 00-0032	EA		48" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,184.65	210.09
<b>23 33 19 00-0033 84" Long Packaged Duct Sound Trap (23 33 19)</b>					
23 33 19 00-0034	EA		6" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	234.08	52.52
23 33 19 00-0035	EA		6" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	407.76	78.43
23 33 19 00-0036	EA		6" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	566.28	114.85
23 33 19 00-0037	EA		12" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	320.93	63.03
23 33 19 00-0038	EA		12" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	402.02	72.83
23 33 19 00-0039	EA		12" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	555.21	84.04
23 33 19 00-0040	EA		12" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	662.01	90.34
23 33 19 00-0041	EA		12" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	723.27	97.34
23 33 19 00-0042	EA		12" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	921.15	105.04
23 33 19 00-0043	EA		12" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,095.62	114.85
23 33 19 00-0044	EA		24" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	612.66	97.34
23 33 19 00-0045	EA		24" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	895.93	101.54
23 33 19 00-0046	EA		24" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	981.72	105.04
23 33 19 00-0047	EA		24" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,071.78	110.65
23 33 19 00-0048	EA		24" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,357.09	119.06
23 33 19 00-0049	EA		24" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,474.06	126.05
<b>23 33 23 Turning Vanes (23 33)</b>					
<b>23 33 23 00-0001 Duct Turning Vane Components (23 33 23)</b>					
23 33 23 00-0002	LF		Duct Turning Vane Rail.....	5.40	1.75
			<i>For Stainless Steel, Add</i>	2.30	
23 33 23 00-0003	LF		Double Thick Factory Fabricated, Duct Turning Vane.....	4.12	0.70
			<i>For Stainless Steel, Add</i>	3.47	
<b>23 33 23 00-0004 Duct Turning Vane Sets (23 33 23)</b>					
			Note: Measured from inside corner to outside corner of ductwork.		
23 33 23 00-0005	LF		12" High Duct Turning Vanes, Sets.....	15.53	2.62
			<i>For Stainless Steel, Add</i>	15.91	
23 33 23 00-0006	LF		14" High Duct Turning Vanes, Sets.....	18.99	2.80
			<i>For Stainless Steel, Add</i>	20.14	
23 33 23 00-0007	LF		16" High Duct Turning Vanes, Sets.....	25.39	2.94
			<i>For Stainless Steel, Add</i>	28.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 23 00-0008 LF 18" High Duct Turning Vanes, Sets ..... <i>For Stainless Steel, Add</i>	31.82 36.24	3.16
23 33 23 00-0009 LF 20" High Duct Turning Vanes, Sets ..... <i>For Stainless Steel, Add</i>	35.18 40.27	3.36
23 33 23 00-0010 LF 22" High Duct Turning Vanes, Sets ..... <i>For Stainless Steel, Add</i>	44.20 52.35	3.16
23 33 23 00-0011 LF 24" High Duct Turning Vanes, Sets ..... <i>For Stainless Steel, Add</i>	54.24 64.44	3.71
23 33 23 00-0012 LF 26" High Duct Turning Vanes, Sets ..... <i>For Stainless Steel, Add</i>	58.15 69.29	3.88
23 33 23 00-0013 LF 30" High Duct Turning Vanes, Sets ..... <i>For Stainless Steel, Add</i>	64.73 77.60	4.03
<b>23 33 33 Duct-Mounting Access Doors (23 33)</b>		
<b>23 33 33 00-0001 Duct Access Doors, Insulated Factory Fabrication (23 33 33)</b>		
23 33 33 00-0002 EA 6" x 6" Duct Access Doors Insulated Factory Fabrication ..... <i>For Stainless Steel, Add</i>	68.95 59.12	9.80
23 33 33 00-0003 EA 10" x 10" Duct Access Doors Insulated Factory Fabrication ..... <i>For Stainless Steel, Add</i>	75.16 71.54	9.80
23 33 33 00-0004 EA 12" x 12" Duct Access Doors Insulated Factory Fabrication ..... <i>For Stainless Steel, Add</i>	78.20 77.62	9.80
23 33 33 00-0005 EA 12" x 18" Duct Access Doors Insulated Factory Fabrication ..... <i>For Stainless Steel, Add</i>	103.21 109.44	11.91
23 33 33 00-0006 EA 16" x 12" Duct Access Doors Insulated Factory Fabrication ..... <i>For Stainless Steel, Add</i>	104.44 111.90	11.91
23 33 33 00-0007 EA 18" x 18" Duct Access Doors Insulated Factory Fabrication ..... <i>For Stainless Steel, Add</i>	127.42 128.78	16.11
23 33 33 00-0008 EA 24" x 18" Duct Access Doors Insulated Factory Fabrication ..... <i>For Stainless Steel, Add</i>	148.13 138.68	19.61
23 33 33 00-0009 EA 24" x 24" Duct Access Doors Insulated Factory Fabrication ..... <i>For Stainless Steel, Add</i>	190.18 170.28	26.61
<b>23 33 43 Flexible Connectors (23 33)</b>		
23 33 43 00-0001 LF Flex Duct Connector, Fabric/Sheet Metal .....	8.06	2.10
23 33 43 00-0002 LF Flex Duct Connector, Rubber Vinyl.....	7.99	1.90
<b>23 33 46 Flexible Ducts (23 33)</b>		
<b>23 33 46 00-0001 Flexible Duct, R8.0 Insulated With Metallized Outer Jacket (23 33 46)</b>		
Note: Polyester inner liner encapsulating a corrosion resistant steel wire helix, supporting a blanket of fiberglass insulation over a fiberglass scrim and a bi-directional reinforced metallized outer vapor barrier jacket.		
23 33 46 00-0002 LF 4" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket .....	4.28	0.70
23 33 46 00-0003 LF 5" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket .....	4.76	1.40
23 33 46 00-0004 LF 6" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket .....	5.42	1.40
23 33 46 00-0005 LF 7" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket .....	6.31	1.40
23 33 46 00-0006 LF 8" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket .....	7.51	2.10
23 33 46 00-0007 LF 10" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket .....	9.68	2.10
23 33 46 00-0008 LF 12" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket .....	13.13	2.80
23 33 46 00-0009 LF 14" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket .....	16.36	2.80
23 33 46 00-0010 LF 16" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket .....	21.51	3.50
23 33 46 00-0011 LF 18" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket .....	25.75	4.55
23 33 46 00-0012 LF 20" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner And Metallized Outer Jacket .....	30.04	4.90
<b>23 33 46 00-0013 Collars, Sheet Metal Spin-In Type With Damper (23 33 46)</b>		
23 33 46 00-0014 EA Up To 4" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper ..... <i>For Stainless Steel, Add</i>	30.96 19.76	4.20
23 33 46 00-0015 EA 5" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper ..... <i>For Stainless Steel, Add</i>	33.41 20.02	4.90
23 33 46 00-0016 EA 6" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper ..... <i>For Stainless Steel, Add</i>	37.99 22.07	4.90
23 33 46 00-0017 EA 7" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper ..... <i>For Stainless Steel, Add</i>	42.73 22.78	6.30
23 33 46 00-0018 EA 8" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper ..... <i>For Stainless Steel, Add</i>	51.31 25.73	7.70
23 33 46 00-0019 EA 10" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper ..... <i>For Stainless Steel, Add</i>	60.41 31.72	9.10
23 33 46 00-0020 EA 12" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper ..... <i>For Stainless Steel, Add</i>	68.30 34.18	10.51
23 33 46 00-0021 EA 14" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper ..... <i>For Stainless Steel, Add</i>	81.24 42.80	11.91
23 33 46 00-0022 EA 16" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper ..... <i>For Stainless Steel, Add</i>	88.54 46.83	13.31
23 33 46 00-0023 EA 18" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper ..... <i>For Stainless Steel, Add</i>	98.61 50.80	15.05
23 33 46 00-0024 EA 20" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper ..... <i>For Stainless Steel, Add</i>	117.06 70.24	16.11



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**23 33 53 Duct Liners** (23 33)**23 33 53 00-0001 Fiberglass Duct Liner Board, Rigid, Acoustical Insulation** (23 33 53)

23 33 53 00-0002	SF	1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	7.43	1.86
23 33 53 00-0003	SF	3/4" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	8.12	1.86
23 33 53 00-0004	SF	1" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	9.03	2.48
23 33 53 00-0005	SF	1-1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	11.09	2.48
23 33 53 00-0006	SF	2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board	13.38	2.78
23 33 53 00-0007	SF	1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	7.34	2.10
23 33 53 00-0008	SF	3/4" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	8.01	2.10
23 33 53 00-0009	SF	1" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	8.95	2.80
23 33 53 00-0010	SF	1-1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	10.93	2.80
23 33 53 00-0011	SF	2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board	13.22	3.16

**23 33 53 00-0012 Fiberglass Duct Liner Blanket, Flexible, Acoustical Insulation** (23 33 53)

23 33 53 00-0013	SF	1/2", R2, 2 LB/CF, T200, Fiberglass Duct Liner Blanket	1.80	1.68
23 33 53 00-0014	SF	1", R3.8, 1.5 LB/CF, T150, Fiberglass Duct Liner Blanket	2.78	1.90
23 33 53 00-0015	SF	1", R4.1, 2 LB/CF, T200, Fiberglass Duct Liner Blanket	2.69	1.90
23 33 53 00-0016	SF	1", R4.3, 3 LB/CF, T300, Fiberglass Duct Liner Blanket	3.55	1.90
23 33 53 00-0017	SF	1-1/2", T150, 1.5 LB/CF, Fiberglass Duct Liner Blanket	2.91	2.10
23 33 53 00-0018	SF	2", R7.7, 1.5 LB/CF, T150 Fiberglass Duct Liner Blanket	3.09	2.31
23 33 53 00-0019	SF	2", R8, 2 LB/CF, T200 Fiberglass Duct Liner Blanket	4.93	2.31

**23 33 56 Duct Air Extractors** (23 33)

23 33 56 00-0001	EA	12" x 4" Duct Air Extractor	34.50	11.55
		<i>For Stainless Steel, Add</i>	14.81	
23 33 56 00-0002	EA	8" x 6" Duct Air Extractor	36.60	12.60
		<i>For Stainless Steel, Add</i>	14.81	
23 33 56 00-0003	EA	12" x 6" Duct Air Extractor	42.38	13.31
		<i>For Stainless Steel, Add</i>	20.50	
23 33 56 00-0004	EA	16" x 6" Duct Air Extractor	48.01	14.00
		<i>For Stainless Steel, Add</i>	26.00	
23 33 56 00-0005	EA	24" x 6" Duct Air Extractor	63.83	15.41
		<i>For Stainless Steel, Add</i>	42.93	
23 33 56 00-0006	EA	12" x 8" Duct Air Extractor	45.68	14.00
		<i>For Stainless Steel, Add</i>	22.97	
23 33 56 00-0007	EA	20" x 8" Duct Air Extractor	60.60	17.50
		<i>For Stainless Steel, Add</i>	33.25	
23 33 56 00-0008	EA	18" x 10" Duct Air Extractor	65.03	19.95
		<i>For Stainless Steel, Add</i>	32.64	
23 33 56 00-0009	EA	24" x 10" Duct Air Extractor	79.47	23.45
		<i>For Stainless Steel, Add</i>	42.33	
23 33 56 00-0010	EA	24" x 12" Duct Air Extractor	90.91	28.01
		<i>For Stainless Steel, Add</i>	45.34	
23 33 56 00-0011	EA	30" x 12" Duct Air Extractor	113.75	35.02
		<i>For Stainless Steel, Add</i>	56.84	

**23 33 59 Duct Pressure Relief Doors** (23 33)**23 33 59 00-0001 Duct Pressure Relief Doors** (23 33 59)

23 33 59 00-0002	EA	18" x 18" Duct Pressure Relief Door (Ruskin PRD18)	698.42	21.01
23 33 59 00-0003	EA	24" x 10" Duct Pressure Relief Door (Ruskin PRD18)	573.82	17.50
23 33 59 00-0004	EA	24" x 12" Duct Pressure Relief Door (Ruskin PRD18)	568.53	19.26

**23 34 HVAC Fans** (23 30)**23 34 13 Axial HVAC Fans** (23 34)**23 34 13 00-0001 Tube-Axial Fans** (23 34 13)**23 34 13 00-0002 Direct Drive Tube-Axial Duct Fans** (23 34 13 00-0001)

23 34 13 00-0003	EA	12" Direct Drive Axial Flow Fan, 1/6 HP 1,060 CFM Constant Speed, 1/8" Static Pressure	1,079.18	214.80
		<i>For 1/4" Static Pressure, Add</i>	51.93	
		<i>For 3/8" Static Pressure, Add</i>	103.86	
		<i>For 1/2" Static Pressure, Add</i>	142.81	
23 34 13 00-0004	EA	12" Direct Drive Axial Flow Fan, 1/2 HP 2,095 CFM Constant Speed, 1/8" Static Pressure	1,125.55	215.45
		<i>For 1/4" Static Pressure, Add</i>	55.64	
		<i>For 3/8" Static Pressure, Add</i>	111.28	
		<i>For 1/2" Static Pressure, Add</i>	153.01	
23 34 13 00-0005	EA	16" Direct Drive Axial Flow Fan, 1/3 HP 2,490 CFM Constant Speed, 1/8" Static Pressure	1,218.28	214.80
		<i>For 1/4" Static Pressure, Add</i>	63.06	
		<i>For 3/8" Static Pressure, Add</i>	126.12	
		<i>For 1/2" Static Pressure, Add</i>	173.41	
23 34 13 00-0006	EA	20" Direct Drive Axial Flow Fan, 3/4 HP 4,130 CFM Constant Speed, 1/8" Static Pressure	1,311.01	215.45
		<i>For 1/4" Static Pressure, Add</i>	70.48	
		<i>For 3/8" Static Pressure, Add</i>	140.96	
		<i>For 1/2" Static Pressure, Add</i>	193.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0007 EA 22" Direct Drive Axial Flow Fan, 3/4 HP 4,700 CFM Constant Speed, 1/8" Static Pressure.....	1,536.12	258.03
<i>For 1/4" Static Pressure, Add</i>	81.61	
<i>For 3/8" Static Pressure, Add</i>	163.21	
<i>For 1/2" Static Pressure, Add</i>	224.42	
23 34 13 00-0008 EA 24" Direct Drive Axial Flow Fan, 1 HP 5,850 CFM Constant Speed, 1/8" Static Pressure.....	1,766.46	280.60
<i>For 1/4" Static Pressure, Add</i>	96.44	
<i>For 3/8" Static Pressure, Add</i>	192.89	
<i>For 1/2" Static Pressure, Add</i>	265.22	
23 34 13 00-0009 EA 24" Direct Drive Axial Flow Fan, 1-1/2 HP 7,925 CFM Constant Speed, 1/8" Static Pressure.....	1,866.25	307.05
<i>For 1/4" Static Pressure, Add</i>	100.15	
<i>For 3/8" Static Pressure, Add</i>	200.31	
<i>For 1/2" Static Pressure, Add</i>	275.42	
23 34 13 00-0010 EA 30" Direct Drive Axial Flow Fan, 1 HP 10,640 CFM Constant Speed, 1/8" Static Pressure.....	2,128.80	322.52
<i>For 1/4" Static Pressure, Add</i>	118.70	
<i>For 3/8" Static Pressure, Add</i>	237.40	
<i>For 1/2" Static Pressure, Add</i>	326.43	
23 34 13 00-0011 EA 30" Direct Drive Axial Flow Fan, 2-1/2 HP 14,765 CFM Constant Speed, 1/8" Static Pressure.....	2,568.27	403.16
<i>For 1/4" Static Pressure, Add</i>	140.96	
<i>For 3/8" Static Pressure, Add</i>	281.91	
<i>For 1/2" Static Pressure, Add</i>	387.63	
23 34 13 00-0012 EA 36" Direct Drive Axial Flow Fan, 2 HP 16,780 CFM Constant Speed, 1/8" Static Pressure.....	2,900.22	430.25
<i>For 1/4" Static Pressure, Add</i>	163.21	
<i>For 3/8" Static Pressure, Add</i>	326.42	
<i>For 1/2" Static Pressure, Add</i>	448.83	
23 34 13 00-0013 EA 36" Direct Drive Axial Flow Fan, 5 HP 22,920 CFM Constant Speed, 1/8" Static Pressure.....	3,403.48	496.05
<i>For 1/4" Static Pressure, Add</i>	192.89	
<i>For 3/8" Static Pressure, Add</i>	385.77	
<i>For 1/2" Static Pressure, Add</i>	530.44	
<b>23 34 13 00-0014 Belt Drive Tube-Axial Duct Fans (23 34 13 00-0001)</b>		
23 34 13 00-0015 EA 15" Belt Drive Axial Flow Fan, 1/3 HP 2,800 CFM Constant Speed, 1/8" Static Pressure.....	1,023.45	208.35
<i>For 1/4" Static Pressure, Add</i>	48.58	
<i>For 3/8" Static Pressure, Add</i>	97.17	
<i>For 1/2" Static Pressure, Add</i>	133.60	
23 34 13 00-0016 EA 15" Belt Drive Axial Flow Fan, 1/2 HP 3,400 CFM Constant Speed, 1/8" Static Pressure.....	1,085.28	215.45
<i>For 1/4" Static Pressure, Add</i>	52.42	
<i>For 3/8" Static Pressure, Add</i>	104.84	
<i>For 1/2" Static Pressure, Add</i>	144.15	
23 34 13 00-0017 EA 18" Belt Drive Axial Flow Fan, 1/3 HP 3,280 CFM Constant Speed, 1/8" Static Pressure.....	1,121.42	222.54
<i>For 1/4" Static Pressure, Add</i>	54.12	
<i>For 3/8" Static Pressure, Add</i>	108.25	
<i>For 1/2" Static Pressure, Add</i>	148.84	
23 34 13 00-0018 EA 18" Belt Drive Axial Flow Fan, 1/2 HP 3,900 CFM Constant Speed, 1/8" Static Pressure.....	1,187.02	230.29
<i>For 1/4" Static Pressure, Add</i>	58.10	
<i>For 3/8" Static Pressure, Add</i>	116.20	
<i>For 1/2" Static Pressure, Add</i>	159.78	
23 34 13 00-0019 EA 18" Belt Drive Axial Flow Fan, 1 HP 5,250 CFM Constant Speed, 1/8" Static Pressure.....	1,339.03	239.31
<i>For 1/4" Static Pressure, Add</i>	68.90	
<i>For 3/8" Static Pressure, Add</i>	137.80	
<i>For 1/2" Static Pressure, Add</i>	189.47	
23 34 13 00-0020 EA 24" Belt Drive Axial Flow Fan, 1/2 HP 4,800 CFM Constant Speed, 1/8" Static Pressure.....	1,412.46	248.34
<i>For 1/4" Static Pressure, Add</i>	73.30	
<i>For 3/8" Static Pressure, Add</i>	146.60	
<i>For 1/2" Static Pressure, Add</i>	201.58	
23 34 13 00-0021 EA 24" Belt Drive Axial Flow Fan, 1 HP 6,430 CFM Constant Speed, 1/8" Static Pressure.....	1,581.47	258.03
<i>For 1/4" Static Pressure, Add</i>	85.23	
<i>For 3/8" Static Pressure, Add</i>	170.47	
<i>For 1/2" Static Pressure, Add</i>	234.39	
23 34 13 00-0022 EA 24" Belt Drive Axial Flow Fan, 2 HP 8,860 CFM Constant Speed, 1/8" Static Pressure.....	1,784.63	258.03
<i>For 1/4" Static Pressure, Add</i>	101.55	
<i>For 3/8" Static Pressure, Add</i>	203.11	
<i>For 1/2" Static Pressure, Add</i>	279.27	
23 34 13 00-0023 EA 30" Belt Drive Axial Flow Fan, 1 HP 9,250 CFM Constant Speed, 1/8" Static Pressure.....	2,069.29	280.60
<i>For 1/4" Static Pressure, Add</i>	120.75	
<i>For 3/8" Static Pressure, Add</i>	241.50	
<i>For 1/2" Static Pressure, Add</i>	332.06	
23 34 13 00-0024 EA 30" Belt Drive Axial Flow Fan, 5 HP 16,900 CFM Constant Speed, 1/8" Static Pressure.....	2,453.29	339.94
<i>For 1/4" Static Pressure, Add</i>	142.06	
<i>For 3/8" Static Pressure, Add</i>	284.11	
<i>For 1/2" Static Pressure, Add</i>	390.66	
23 34 13 00-0025 EA 30" Belt Drive Axial Flow Fan, 5 HP 16,150 CFM Constant Speed, 1/8" Static Pressure.....	2,796.14	339.94
<i>For 1/4" Static Pressure, Add</i>	169.26	
<i>For 3/8" Static Pressure, Add</i>	338.51	
<i>For 1/2" Static Pressure, Add</i>	465.45	
23 34 13 00-0026 EA 36" Belt Drive Axial Flow Fan, 3/4 HP 8,090 CFM Constant Speed, 1/8" Static Pressure.....	3,079.06	358.65
<i>For 1/4" Static Pressure, Add</i>	188.99	
<i>For 3/8" Static Pressure, Add</i>	377.97	
<i>For 1/2" Static Pressure, Add</i>	519.71	
23 34 13 00-0027 EA 36" Belt Drive Axial Flow Fan, 2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure.....	3,363.82	379.29
<i>For 1/4" Static Pressure, Add</i>	208.54	
<i>For 3/8" Static Pressure, Add</i>	417.08	
<i>For 1/2" Static Pressure, Add</i>	573.48	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0028 EA 36" Belt Drive Axial Flow Fan, 7-1/2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure.....	3,830.49	496.05
For 1/4" Static Pressure, Add	227.29	
For 3/8" Static Pressure, Add	454.58	
For 1/2" Static Pressure, Add	625.05	
23 34 13 00-0029 EA 36" Belt Drive Axial Flow Fan, 5 HP 20,080 CFM Constant Speed, 1/8" Static Pressure.....	4,374.48	496.69
For 1/4" Static Pressure, Add	270.81	
For 3/8" Static Pressure, Add	541.62	
For 1/2" Static Pressure, Add	744.73	
23 34 13 00-0030 EA 42" Belt Drive Axial Flow Fan, 7-1/2 HP 29,000 CFM Constant Speed, 1/8" Static Pressure.....	4,940.30	586.23
For 1/4" Static Pressure, Add	301.74	
For 3/8" Static Pressure, Add	603.48	
For 1/2" Static Pressure, Add	829.78	
<b>23 34 16 Centrifugal HVAC Fans (23 34)</b>		
23 34 16 00-0001 Centrifugal Fans (23 34 16)		
Note: All belt fans to be supplied with belt guard.		
23 34 16 00-0002 Utility Backward Inclined Steel Wheel Centrifugal Fans (23 34 16 00-0001)		
Note: V-belt driven.		
23 34 16 00-0003 Industrial Type Utility Backward Centrifugal Fans (23 34 16 00-0002)		
Note: Under 30" diameter wheel.		
23 34 16 00-0004 12-1/4" Diameter Wheel 650 To 2,950 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0005 EA 1/6 HP Centrifugal Fan, 12-1/4" Wheel, 450 - 1,750 CFM At 1/8" Static Pressure .....	909.97	141.72
23 34 16 00-0006 EA 1/4 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure .....	1,335.50	147.07
23 34 16 00-0007 EA 1/3 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure .....	1,372.26	117.21
23 34 16 00-0008 EA 1/2 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure .....	1,433.62	160.62
23 34 16 00-0009 EA 3/4 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure .....	1,465.67	170.29
23 34 16 00-0010 EA 1 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure .....	1,511.67	177.39
23 34 16 00-0011 EA 1-1/2 HP Centrifugal Fan, 12-1/4" Wheel, 650 - 2,950 CFM At 1/8" Static Pressure .....	1,555.58	189.00
23 34 16 00-0012 13-1/2" Diameter Wheel 734 To 3,343 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0013 EA 1/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure .....	1,547.49	154.82
23 34 16 00-0014 EA 1/3 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure .....	1,573.85	160.62
23 34 16 00-0015 EA 1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure .....	1,623.47	170.29
23 34 16 00-0016 EA 3/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure .....	1,651.72	177.39
23 34 16 00-0017 EA 1 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure .....	1,704.66	189.00
23 34 16 00-0018 EA 1-1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure .....	1,758.84	198.03
23 34 16 00-0019 15" Diameter Wheel 1,258 To 4,146 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0020 EA 1/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure.....	1,556.35	160.62
23 34 16 00-0021 EA 1/3 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure.....	1,588.46	170.29
23 34 16 00-0022 EA 1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure.....	1,634.21	177.39
23 34 16 00-0023 EA 3/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure.....	1,669.64	189.00
23 34 16 00-0024 EA 1 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure.....	1,718.00	198.03
23 34 16 00-0025 EA 1-1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure .....	1,784.24	212.87
23 34 16 00-0026 EA 2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure.....	1,836.23	223.83
23 34 16 00-0027 16-1/2" Diameter Wheel 977 To 4,711 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0028 EA 1/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure .....	1,789.78	170.29
23 34 16 00-0029 EA 1/3 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure .....	1,853.71	177.39
23 34 16 00-0030 EA 1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure .....	1,922.40	189.00
23 34 16 00-0031 EA 3/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure .....	1,957.17	198.03
23 34 16 00-0032 EA 1 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure .....	2,001.08	212.87
23 34 16 00-0033 EA 1-1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure .....	2,039.48	223.83
23 34 16 00-0034 EA 2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure .....	2,267.97	243.19
23 34 16 00-0035 18-1/4" Diameter Wheel 2,193 To 6,498 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0036 EA 1/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure .....	1,848.66	177.39
23 34 16 00-0037 EA 1/3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure .....	1,888.45	189.00
23 34 16 00-0038 EA 1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure .....	1,945.57	198.03
23 34 16 00-0039 EA 3/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure .....	1,985.57	212.87
23 34 16 00-0040 EA 1 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure .....	2,046.30	223.83
23 34 16 00-0041 EA 1-1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure .....	2,136.68	243.19
23 34 16 00-0042 EA 2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure .....	2,194.03	258.03
23 34 16 00-0043 EA 3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure .....	2,277.39	283.82
23 34 16 00-0044 20" Diameter Wheel 2,412 To 7,364 CFM At 1/8" Static Pressure (23 34 16 00-0003)		
23 34 16 00-0045 EA 1/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	1,862.20	189.00
23 34 16 00-0046 EA 1/3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	1,919.30	198.03
23 34 16 00-0047 EA 1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	1,985.57	212.87
23 34 16 00-0048 EA 3/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,046.30	223.83
23 34 16 00-0049 EA 1 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure.....	2,162.93	243.19



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				23 34 16 00-0050 EA 1-1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure .....	2,332.81	258.03
				23 34 16 00-0051 EA 2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure .....	2,443.20	283.82
				23 34 16 00-0052 EA 3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure .....	2,561.44	303.82
<b>23 34 16 00-0053</b>				<b>22-1/4" Diameter Wheel 2,265 To 8,483 CFM At 1/8" Static Pressure</b> (23 34 16 00-0003)		
				23 34 16 00-0054 EA 1/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure .....	2,254.83	198.03
				23 34 16 00-0055 EA 1/3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure .....	2,290.72	212.87
				23 34 16 00-0056 EA 1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure .....	2,345.35	223.83
				23 34 16 00-0057 EA 3/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure .....	2,410.93	243.19
				23 34 16 00-0058 EA 1 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure .....	2,504.01	258.03
				23 34 16 00-0059 EA 1-1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure .....	2,523.42	283.82
				23 34 16 00-0060 EA 2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure .....	2,578.95	303.82
				23 34 16 00-0061 EA 3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure .....	2,677.99	340.59
<b>23 34 16 00-0062</b>				<b>24-1/2" Diameter Wheel 3,055 To 11,380 CFM At 1/8" Static Pressure</b> (23 34 16 00-0003)		
				23 34 16 00-0063 EA 1/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure .....	2,726.64	212.87
				23 34 16 00-0064 EA 1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure .....	2,801.89	243.19
				23 34 16 00-0065 EA 3/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure .....	2,885.50	258.03
				23 34 16 00-0066 EA 1 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure .....	2,968.37	283.82
				23 34 16 00-0067 EA 1-1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure .....	3,042.84	303.82
				23 34 16 00-0068 EA 2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure .....	3,098.13	340.59
				23 34 16 00-0069 EA 3 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure .....	3,186.78	370.26
				23 34 16 00-0070 EA 5 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure .....	3,402.20	425.73
<b>23 34 16 00-0071</b>				<b>27" Diameter Wheel 2,734 To 13,266 CFM At 1/8" Static Pressure</b> (23 34 16 00-0003)		
				23 34 16 00-0072 EA 1/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure .....	3,028.08	223.83
				23 34 16 00-0073 EA 1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure .....	3,104.33	258.03
				23 34 16 00-0074 EA 3/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure .....	3,187.19	283.82
				23 34 16 00-0075 EA 1 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure .....	3,261.67	303.82
				23 34 16 00-0076 EA 1-1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure .....	3,360.72	340.59
				23 34 16 00-0077 EA 2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure .....	3,449.10	370.26
				23 34 16 00-0078 EA 3 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure .....	3,683.12	425.73
				23 34 16 00-0079 EA 5 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure .....	3,692.70	472.82
<b>23 34 16 00-0080</b>				<b>Large Industrial Type Utility Backward Centrifugal Fans</b> (23 34 16 00-0002)		
				Note: Over 30" diameter wheel.		
<b>23 34 16 00-0081</b>				<b>30" Diameter Wheel 4,926 To 17,456 CFM At 1/8" Static Pressure</b> (23 34 16 00-0080)		
				23 34 16 00-0082 EA 1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure .....	4,259.42	283.82
				23 34 16 00-0083 EA 3/4 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure .....	4,330.46	303.82
				23 34 16 00-0084 EA 1 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure .....	4,437.33	340.59
				23 34 16 00-0085 EA 1-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure .....	4,534.45	370.26
				23 34 16 00-0086 EA 2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure .....	4,671.37	425.73
				23 34 16 00-0087 EA 3 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure .....	4,795.55	472.82
				23 34 16 00-0088 EA 5 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure .....	4,991.43	567.65
				23 34 16 00-0089 EA 7-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure .....	5,173.22	654.73
<b>23 34 16 00-0090</b>				<b>33" Diameter Wheel 5,734 To 19,799 CFM At 1/8" Static Pressure</b> (23 34 16 00-0080)		
				23 34 16 00-0091 EA 1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure .....	5,012.25	303.82
				23 34 16 00-0092 EA 3/4 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure .....	5,155.06	340.59
				23 34 16 00-0093 EA 1 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure .....	5,287.47	370.26
				23 34 16 00-0094 EA 1-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure .....	5,459.14	425.73
				23 34 16 00-0095 EA 2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure .....	5,618.34	472.82
				23 34 16 00-0096 EA 3 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure .....	5,849.21	567.65
				23 34 16 00-0097 EA 5 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure .....	6,117.41	654.73
				23 34 16 00-0098 EA 7-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure .....	6,454.31	851.47
<b>23 34 16 00-0099</b>				<b>36-1/2" Diameter Wheel 5,388 To 22,500 CFM At 1/8" Static Pressure</b> (23 34 16 00-0080)		
				23 34 16 00-0100 EA 1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure .....	4,102.51	340.59
				23 34 16 00-0101 EA 3/4 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure .....	4,147.39	370.26
				23 34 16 00-0102 EA 1 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure .....	4,231.52	425.73
				23 34 16 00-0103 EA 1-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure .....	4,320.83	472.82
				23 34 16 00-0104 EA 2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure .....	4,893.90	567.65
				23 34 16 00-0105 EA 3 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure .....	5,100.57	654.73
				23 34 16 00-0106 EA 5 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure .....	5,475.17	851.47
				23 34 16 00-0107 EA 7-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure .....	5,874.56	1,064.34
<b>23 34 16 00-0108</b>				<b>Kitchen System Fans</b> (23 34 16 00-0001)		
<b>23 34 16 00-0109</b>				<b>Upblast Kitchen Exhaust Fans</b> (23 34 16 00-0108)		
<b>23 34 16 00-0110</b>				<b>Direct Drive Kitchen Upblast Exhaust Fans</b> (23 34 16 00-0109)		
				Note: Greenheck CUE.		

**23 Heating, Ventilating, And Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 34 HVAC Fans**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0111 EA Up To 12" Wheel Diameter, 1/6 HP Direct Drive, Kitchen Upblast Exhaust Fan.....	664.55	83.85
Note: 115V. For roof or wall installations. Includes disconnect switch.		
For Bird Screen, Add	28.15	
For Backdraft Damper, Add	68.80	
For Damper Motor, Add	108.90	
23 34 16 00-0112 EA 14" Wheel Diameter, 1/4 HP Direct Drive, Kitchen Upblast Exhaust Fan .....	776.38	83.85
Note: 115V. For roof or wall installations. Includes disconnect switch.		
For Bird Screen, Add	28.15	
For Backdraft Damper, Add	68.80	
For Damper Motor, Add	108.90	
<b>23 34 16 00-0113 Belt Drive Kitchen Upblast Exhaust Fans (23 34 16 00-0109)</b>		
Note: Greenheck CUBE.		
23 34 16 00-0114 EA 10" Diameter Wheel, Up To 1/3 HP, 1,458 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....	1,129.68	83.85
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	28.15	
For Wall Mounted Fan, Add	45.19	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	81.77	
For Backdraft Damper, Add	68.80	
For Damper Motor, Add	108.90	
23 34 16 00-0115 EA 12" Diameter Wheel, 1/2 HP, 1,923 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....	1,178.22	83.85
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	28.15	
For Wall Mounted Fan, Add	47.13	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	85.89	
For Backdraft Damper, Add	68.80	
For Damper Motor, Add	108.90	
23 34 16 00-0116 EA 14" Diameter Wheel, 1/3 HP, 2,006 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....	1,016.67	96.75
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	32.03	
For Wall Mounted Fan, Add	40.67	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	69.97	
For Backdraft Damper, Add	78.03	
For Damper Motor, Add	108.90	
23 34 16 00-0117 EA 14" Diameter Wheel, 1 HP, 2,757 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....	1,086.56	96.75
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	32.03	
For Wall Mounted Fan, Add	43.46	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	75.91	
For Backdraft Damper, Add	78.03	
For Damper Motor, Add	108.90	
23 34 16 00-0118 EA 16" Diameter Wheel, 1/2 HP, 2,940 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....	1,378.96	112.88
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	32.03	
For Wall Mounted Fan, Add	55.16	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	98.02	
For Backdraft Damper, Add	78.03	
For Damper Motor, Add	108.90	
23 34 16 00-0119 EA 16" Diameter Wheel, 1 HP, 3,129 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....	1,453.71	112.88
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	32.03	
For Wall Mounted Fan, Add	58.15	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	104.37	
For Backdraft Damper, Add	78.03	
For Damper Motor, Add	108.90	
23 34 16 00-0120 EA 18" Diameter Wheel, 1/2 HP , 3,243 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....	1,583.41	120.94
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	53.39	
For Wall Mounted Fan, Add	63.34	
For 3 Phase Motor, Deduct	-50.00	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	114.03	
For Damper Motor, Add	108.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0121 EA 18" Diameter Wheel, 1 HP, 4,223 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	1,699.89	120.94
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	53.39	
<i>For Wall Mounted Fan, Add</i>	68.00	
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	123.93	
<i>For Damper Motor, Add</i>	108.90	
23 34 16 00-0122 EA 20" Diameter Wheel, 3/4 HP, 4,438 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	1,729.61	129.01
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	53.39	
<i>For Wall Mounted Fan, Add</i>	69.18	
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	125.08	
<i>For Damper Motor, Add</i>	108.90	
23 34 16 00-0123 EA 20" Diameter Wheel, 2 HP, 6,450 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	1,893.66	129.01
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	53.39	
<i>For Wall Mounted Fan, Add</i>	75.75	
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	139.03	
<i>For Damper Motor, Add</i>	108.90	
23 34 16 00-0124 EA 24" Diameter Wheel, 3/4 HP, 5,460 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	2,180.22	145.13
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	63.10	
<i>For Wall Mounted Fan, Add</i>	87.21	
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	160.65	
<i>For Damper Motor, Add</i>	108.90	
23 34 16 00-0125 EA 24" Diameter Wheel, 2 HP, 7,985 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	2,330.68	145.13
Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	63.10	
<i>For Wall Mounted Fan, Add</i>	93.23	
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	173.43	
<i>For Damper Motor, Add</i>	108.90	
23 34 16 00-0126 EA 30" Diameter Wheel, 3/4 HP, 7,771 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	2,759.95	161.26
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	67.95	
<i>For Wall Mounted Fan, Add</i>	110.40	
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	207.18	
<i>For Damper Motor, Add</i>	108.90	
23 34 16 00-0127 EA 30" Diameter Wheel, 2 HP, 10,192 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	2,809.45	161.26
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	67.95	
<i>For Wall Mounted Fan, Add</i>	112.38	
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	211.39	
<i>For Damper Motor, Add</i>	108.90	
23 34 16 00-0128 EA 30" Diameter Wheel, 3 HP, 11,903 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	3,060.86	161.26
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	67.95	
<i>For Wall Mounted Fan, Add</i>	122.43	
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	232.76	
<i>For Damper Motor, Add</i>	108.90	
23 34 16 00-0129 EA 30" Diameter Wheel, 5 HP, 14,266 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	3,182.20	161.26
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
<i>For Bird Screen, Add</i>	67.95	
<i>For Wall Mounted Fan, Add</i>	127.29	
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
<i>For Grease Trap Kit, Add</i>	76.41	
<i>For Hinged Curb Kit, Add</i>	243.07	
<i>For Damper Motor, Add</i>	108.90	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0130 EA 36" Diameter Wheel, 3 HP , 14,769 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....3,503.88		177.39
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	77.66	
For Wall Mounted Fan, Add	140.16	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	267.67	
For Damper Motor, Add	108.90	
For Backdraft Damper, Add	135.07	
23 34 16 00-0131 EA 36" Diameter Wheel, 5 HP , 17,884 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....3,643.41		177.39
Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	77.66	
For Wall Mounted Fan, Add	145.74	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	279.53	
For Damper Motor, Add	108.90	
For Backdraft Damper, Add	135.07	
23 34 16 00-0132 EA 42" Diameter Wheel, 3 HP , 17,316 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....3,679.58		193.52
Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	77.66	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	279.87	
For Damper Motor, Add	108.90	
For Backdraft Damper, Add	155.82	
23 34 16 00-0133 EA 42" Diameter Wheel, 7-1/2 HP , 24,604 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....3,985.93		193.52
Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.		
For Bird Screen, Add	77.66	
For Totally Enclosed Motor, Add	85.00	
For Grease Trap Kit, Add	76.41	
For Hinged Curb Kit, Add	305.91	
For Damper Motor, Add	108.90	
For Backdraft Damper, Add	155.82	
23 34 16 00-0134 Untempered Kitchen Make-Up Air Fans <small>(23 34 16 00-0108)</small>		
Note: Roof mounted with downblast discharge, weatherhood and filter.		
23 34 16 00-0135 Direct Drive Kitchen Make-Up Air Fans <small>(23 34 16 00-0134)</small>		
23 34 16 00-0136 EA 7" Diameter Wheel, 1/2 HP Direct Drive, Kitchen Make-Up Air Fan .....767.78		83.85
Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
For Extended Weatherhood, Add	131.92	
23 34 16 00-0137 EA 8" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan .....805.78		83.85
Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
For Extended Weatherhood, Add	137.62	
23 34 16 00-0138 EA 9" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan .....852.40		83.85
Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
For Extended Weatherhood, Add	144.62	
23 34 16 00-0139 Belt Drive Kitchen Make-Up Air Fans <small>(23 34 16 00-0134)</small>		
23 34 16 00-0140 EA 9" Diameter Wheel, 1/2 HP Belt Drive, Kitchen Make-Up Air Fan .....870.48		83.85
Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
For Extended Weatherhood, Add	147.33	
23 34 16 00-0141 EA 10" Diameter Wheel, 1-1/2 HP Belt Drive, Kitchen Make-Up Air Fan .....980.37		112.88
Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
For Extended Weatherhood, Add	169.63	
23 34 16 00-0142 EA 12" Diameter Wheel, 2 HP Belt Drive, Kitchen Make-Up Air Fan .....1,180.19		129.01
Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
For Extended Weatherhood, Add	202.83	
23 34 16 00-0143 EA 15" Diameter Wheel, 3 HP Belt Drive, Kitchen Make-Up Air Fan .....1,370.88		161.26
Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
For Extended Weatherhood, Add	237.88	
23 34 16 00-0144 EA 18" Diameter Wheel, 5 HP Belt Drive, Kitchen Make-Up Air Fan .....1,658.62		193.52
Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.		
For Extended Weatherhood, Add	287.49	
23 34 16 00-0145 Replacement Parts <small>(23 34 16 00-0001)</small>		
23 34 16 00-0146 Replace Belts And Accessories <small>(23 34 16 00-0145)</small>		
23 34 16 00-0147 EA Fan Shaft Bearing, Replacement .....519.50		232.79
23 34 16 00-0148 EA Fan Belt, Replacement .....84.76		31.58
23 34 16 00-0149 Corrosive Fume Resistant Plastic <small>(23 34 16 00-0001)</small>		
23 34 16 00-0150 Centrifugal Roof Ventilators, Belt Drive, 1/4" Static Pressure <small>(23 34 16 00-0149)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0151 EA 250 CFM, 1/4 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	3,537.18	116.59
<i>For Explosion Proof Motor, Add</i>	495.60	
23 34 16 00-0152 EA 895 CFM, 1/3 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	3,841.56	140.06
<i>For Explosion Proof Motor, Add</i>	534.22	
23 34 16 00-0153 EA 1,630 CFM, 1/2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	4,555.23	175.07
<i>For Explosion Proof Motor, Add</i>	630.76	
23 34 16 00-0154 EA 2,240 CFM, 1 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	4,886.77	233.55
<i>For Explosion Proof Motor, Add</i>	662.94	
23 34 16 00-0155 EA 3,810 CFM, 2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	5,591.92	350.15
<i>For Explosion Proof Motor, Add</i>	733.74	
23 34 16 00-0156 EA 11,760 CFM, 5 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	9,639.12	700.30
<i>For Explosion Proof Motor, Add</i>	1,235.78	
23 34 16 00-0157 EA 18,810 CFM, 10 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic.....	14,059.54	1,001.08
<i>For Explosion Proof Motor, Add</i>	1,808.61	
<b>23 34 16 00-0158 Utility Set, Centrifugal, Belt Drive</b> <small>(23 34 16 00-0149)</small>		
23 34 16 00-0159 EA 1,200 CFM, 1/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic .....	3,537.18	116.59
<i>For Explosion Proof Motor, Add</i>	495.60	
23 34 16 00-0160 EA 1,520 CFM, 1/3 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic .....	3,627.02	140.06
<i>For Explosion Proof Motor, Add</i>	502.04	
23 34 16 00-0161 EA 1,850 CFM, 1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic .....	3,697.05	175.07
<i>For Explosion Proof Motor, Add</i>	502.04	
23 34 16 00-0162 EA 2,180 CFM, 3/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic .....	3,814.05	233.55
<i>For Explosion Proof Motor, Add</i>	502.04	
23 34 16 00-0163 EA 3,600 CFM, 1 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic .....	5,248.65	350.15
<i>For Explosion Proof Motor, Add</i>	682.25	
23 34 16 00-0164 EA 4,250 CFM, 1-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic .....	5,423.73	437.68
<i>For Explosion Proof Motor, Add</i>	682.25	
23 34 16 00-0165 EA 4,800 CFM, 2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic .....	5,550.05	500.85
<i>For Explosion Proof Motor, Add</i>	682.25	
23 34 16 00-0166 EA 6,920 CFM, 5 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic .....	5,684.62	525.22
<i>For Explosion Proof Motor, Add</i>	695.13	
23 34 16 00-0167 EA 7,700 CFM, 7-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic .....	5,844.25	583.56
<i>For Explosion Proof Motor, Add</i>	701.56	
<b>23 34 16 00-0168 In-Line Duct Fans</b> <small>(23 34 16 00-0001)</small>		
<b>23 34 16 00-0169 Direct Drive In-Line Duct Fans</b> <small>(23 34 16 00-0168)</small>		
Note: Greenheck SQ.		
23 34 16 00-0170 EA Up To 10" Wheel Diameter, 1/16 HP Direct Drive, In Line Duct Fan .....	872.17	83.85
Note: 115V. Includes disconnect switch.		
23 34 16 00-0171 EA 13" Wheel Diameter, 1/6 HP Direct Drive, In Line Duct Fan .....	1,114.54	90.31
Note: 115V. Includes disconnect switch.		
23 34 16 00-0172 EA 14" Wheel Diameter, 1/3 HP Direct Drive, In Line Duct Fan .....	1,222.15	96.75
Note: 115V. Includes disconnect switch.		
<b>23 34 16 00-0173 Belt Drive In-Line Duct Fans</b> <small>(23 34 16 00-0168)</small>		
Note: Greenheck BSQ.		
23 34 16 00-0174 EA Up To 12" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan .....	1,276.94	96.75
Note: 115/208-230/60/1. Includes disconnect switch.		
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0175 EA 13" Or 14" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan .....	1,467.63	112.88
Note: 115/208-230/60/1. Includes disconnect switch.		
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0176 EA 13" Or 14" Wheel Diameter, 3/4 HP Belt Drive, In Line Duct Fan .....	1,650.49	112.88
Note: 115/208-230/60/1. Includes disconnect switch.		
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0177 EA 13" Or 14" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan .....	1,805.94	112.88
Note: 115/208-230/60/1. Includes disconnect switch.		
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0178 EA 16" Or 18" Wheel Diameter, 1/3 HP Belt Drive, In Line Duct Fan .....	1,758.99	129.01
Note: 115/208-230/60/1. Includes disconnect switch.		
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0179 EA 16" Or 18" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan .....	2,022.25	129.01
Note: 115/208-230/60/1. Includes disconnect switch.		
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0180 EA 24" Wheel Diameter, 1 HP Belt Drive, In Line Duct Fan .....	2,573.35	161.26
Note: 115/208-230/60/1. Includes disconnect switch.		
<i>For 3 Phase Motor, Deduct</i>	-50.00	
<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0181 EA 24" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan .....	2,718.68	161.26
Note: 230/460/60/3. Includes disconnect switch.		
<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0182 EA 24" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan .....	2,821.13	161.26
Note: Belt drive. 230/460/60/3. Includes disconnect switch.		
<i>For Totally Enclosed Motor, Add</i>	85.00	



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0183 EA 30 Or 36" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan ..... Note: 230/460/60/3. Includes disconnect switch.	3,262.72	193.52
For Totally Enclosed Motor, Add	85.00	
23 34 16 00-0184 EA 30 Or 36" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan ..... Note: 230/460/60/3. Includes disconnect switch.	3,384.99	193.52
For Totally Enclosed Motor, Add	85.00	
23 34 16 00-0185 EA 30 Or 36" Wheel Diameter, 7-1/2 HP Belt Drive, In Line Duct Fan ..... Note: 230/460/60/3. Includes disconnect switch.	3,535.26	193.52
For Totally Enclosed Motor, Add	85.00	
<b>23 34 16 00-0186 In-Line Cabinet Fans (23 34 16 00-0001)</b>		
23 34 16 00-0187 EA 950 CFM, 80 Watts, Direct Drive In-Line Cabinet Fan .....	252.53	56.45
23 34 16 00-0188 EA 1,050 CFM, 129 Watts, Direct Drive In-Line Cabinet Fan .....	267.23	56.45
23 34 16 00-0189 EA 1,100 CFM, 173 Watts, Direct Drive In-Line Cabinet Fan .....	287.18	56.45
23 34 16 00-0190 EA 950 CFM, 48.7 Watts, Direct Drive In-Line Cabinet Fan .....	286.13	56.45
23 34 16 00-0191 EA 1,100 CFM, 52.5 Watts, Direct Drive In-Line Cabinet Fan .....	286.13	56.45
23 34 16 00-0192 EA 1,400 CFM, 100 Watts, Direct Drive In-Line Cabinet Fan .....	317.63	56.45
23 34 16 00-0193 EA 900 CFM, 48.2 Watts, Direct Drive In-Line Cabinet Fan .....	380.79	59.66
23 34 16 00-0194 EA 1,000 CFM, 82.7 Watts, Direct Drive In-Line Cabinet Fan .....	325.14	59.66
23 34 16 00-0195 EA 1,050 CFM, 80.7 Watts, Direct Drive In-Line Cabinet Fan .....	346.14	59.66
23 34 16 00-0196 EA 1,350 CFM, 140 Watts, Direct Drive In-Line Cabinet Fan .....	359.79	59.66
23 34 16 00-0197 EA 1,000 CFM, 135 Watts, Direct Drive In-Line Cabinet Fan .....	375.54	59.66
23 34 16 00-0198 EA 1,070 CFM, 217 Watts, Direct Drive In-Line Cabinet Fan .....	375.54	59.66
23 34 16 00-0199 EA 1,100 CFM, 350 Watts, Direct Drive In-Line Cabinet Fan .....	609.84	62.89
23 34 16 00-0200 EA 1,080 CFM, 325 Watts, Direct Drive In-Line Cabinet Fan .....	514.29	62.89
23 34 16 00-0201 EA 1,600 CFM, 405 Watts, Direct Drive In-Line Cabinet Fan .....	514.29	62.89
23 34 16 00-0202 EA 950 CFM, 328 Watts, Direct Drive In-Line Cabinet Fan .....	693.84	62.89
23 34 16 00-0203 EA 1,095 CFM, 455 Watts, Direct Drive In-Line Cabinet Fan .....	693.84	62.89
23 34 16 00-0204 EA 1,450 CFM, 822 Watts, Direct Drive In-Line Cabinet Fan .....	693.84	62.89
23 34 16 00-0205 EA 1,610 CFM, 830 Watts, Direct Drive In-Line Cabinet Fan .....	753.69	62.89
<b>23 34 16 00-0206 Propeller And Ceiling Fans (23 34 16)</b>		
<b>23 34 16 00-0207 Direct Drive, Sidewall Propeller Exhaust Fan (23 34 16 00-0206)</b> Note: Greenheck SE1.		
23 34 16 00-0208 EA 1/25 HP, 307 CFM At 1/8" Static Pressure, 8" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... Note: Includes motor side guard.	359.69	69.03
For Backdraft Damper, Add	76.35	
For Wall Mount Collar, Add	134.56	
23 34 16 00-0209 EA 1/12 HP, 763 CFM At 1/8" Static Pressure, 10" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... Note: Includes motor side guard.	381.97	76.76
For Backdraft Damper, Add	82.57	
For Wall Mount Collar, Add	134.56	
23 34 16 00-0210 EA 1/8 HP, 1,149 CFM At 1/8" Static Pressure, 12" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... Note: Includes motor side guard.	423.00	85.14
For Backdraft Damper, Add	90.80	
For Wall Mount Collar, Add	138.11	
23 34 16 00-0211 EA 1/6 HP, 1,350 CFM At 1/8" Static Pressure, 14" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... For Backdraft Damper, Add For Wall Mount Collar, Add For Motor Side Guard, Add	610.60 108.03 140.70 115.17	94.18
23 34 16 00-0212 EA 1/6 HP, 2,012 CFM At 1/8" Static Pressure, 16" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... For Backdraft Damper, Add For Wall Mount Collar, Add For Motor Side Guard, Add	737.12 108.03 144.26 122.60	104.50
23 34 16 00-0213 EA 1/4 HP, 2,908 CFM At 1/8" Static Pressure, 18" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... For Backdraft Damper, Add For Wall Mount Collar, Add For Motor Side Guard, Add	828.88 130.25 147.81 130.05	116.11
23 34 16 00-0214 EA 1/3 HP, 3,974 CFM At 1/8" Static Pressure, 20" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... For Backdraft Damper, Add For Wall Mount Collar, Add For Motor Side Guard, Add	946.84 130.25 150.39 140.40	129.01
<b>23 34 16 00-0215 Belt Drive Propeller Exhaust Fans (23 34 16 00-0206)</b> Note: Wall shutter 1/8" static pressure, with birdscreen.		
23 34 16 00-0216 EA 24" Propeller Exhaust Fan, V-Belt Drive, 5,795 CFM, 1/2 HP, With Wall Shutter .....	1,400.52	184.48
23 34 16 00-0217 EA 30" Propeller Exhaust Fan, V-Belt Drive, 9,060 CFM, 3/4 HP, With Wall Shutter .....	1,603.79	214.80
23 34 16 00-0218 EA 36" Propeller Exhaust Fan, V-Belt Drive, 11,850 CFM, 1 HP, With Wall Shutter .....	1,818.48	258.03
23 34 16 00-0219 EA 42" Propeller Exhaust Fan, V-Belt Drive, 17,400 CFM, 1-1/2 HP, With Wall Shutter .....	2,534.16	322.52
23 34 16 00-0220 EA 48" Propeller Exhaust Fan, V-Belt Drive, 19,870 CFM, 1-1/2 HP, With Wall Shutter .....	3,020.53	430.25
23 34 16 00-0221 EA 54" Propeller Exhaust Fan, V-Belt Drive, 26,000 CFM, 2 HP, With Wall Shutter .....	4,192.68	645.05
23 34 16 00-0222 EA 60" Propeller Exhaust Fan, V-Belt Drive, 35,120 CFM, 3 HP, With Wall Shutter .....	5,029.34	826.95
<b>23 34 16 00-0223 Propeller Exhaust Fan Accessories (23 34 16 00-0206)</b>		
23 34 16 00-0224 SF Hinged Mesh Screen For Wall Propeller Fans, 1" x 1" Frame (SF Of Fan Opening) .....	71.87	
23 34 16 00-0225 SF Galvanized Weather Hood For Wall Propeller Fan (SF Of Fan Opening) .....	165.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 34 16 00-0226</b> <b>Reversible Ceiling Fans</b> <small>(23 34 16 00-0206)</small>		
<b>23 34 16 00-0227</b> <b>4 Blade Ceiling Fans</b> <small>(23 34 16 00-0226)</small>		
23 34 16 00-0228    EA    42" 4-Blade Ceiling Fan, Three Speed ..... <i>For Brass Plated Motor, Add</i> <i>For Light Kit, Add</i>	334.58 20.25 25.61	36.39
<b>23 34 16 00-0229</b> <b>5 Blade Ceiling Fans</b> <small>(23 34 16 00-0226)</small>		
23 34 16 00-0230    EA    42" 5-Blade Ceiling Fan, Three Speed ..... <i>For Brass Plated Motor, Add</i> <i>For Light Kit, Add</i>	366.04 20.25 25.64	90.06
23 34 16 00-0231    EA    52" 5-Blade Ceiling Fan, Three Speed ..... <i>For Brass Plated Motor, Add</i> <i>For Light Kit, Add</i>	417.85 20.25 25.72	90.06
<b>23 34 16 00-0232</b> <b>3 Blade Weatherproof Ceiling Fans</b> <small>(23 34 16 00-0226)</small>		
23 34 16 00-0233    EA    3-Blade Ceiling Fan, Weatherproof, Three Speed .....	337.03	31.93
<b>23 34 16 00-0234</b> <b>Explosion Proof Industrial Blowers</b> <small>(23 34 16 00-0206)</small>		
23 34 16 00-0235    EA    355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, Explosion Proof .....	3,023.70	
23 34 16 00-0236    EA    355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, Explosion Proof .....	3,331.71	
23 34 16 00-0237    EA    355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, Explosion Proof .....	4,470.07	
23 34 16 00-0238    EA    355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, Explosion Proof .....	4,682.12	
23 34 16 00-0239    EA    355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, TEFC Motor Enclosure .....	2,746.93	
23 34 16 00-0240    EA    355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, TEFC Motor Enclosure .....	2,931.78	
23 34 16 00-0241    EA    355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, TEFC Motor Enclosure .....	4,062.50	
23 34 16 00-0242    EA    355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, TEFC Motor Enclosure .....	4,411.27	
<b>23 34 16 00-0243</b> <b>Exhaust Fans</b> <small>(23 34 16)</small>		
<b>23 34 16 00-0244</b> <b>Exhaust Fans</b> <small>(23 34 16 00-0243)</small> Note: Excludes ducting.		
<b>23 34 16 00-0245</b> <b>Light Duty Exhaust Fans</b> <small>(23 34 16 00-0244)</small>		
<b>23 34 16 00-0246</b> <b>Light Duty Exhaust Fans</b> <small>(23 34 16 00-0245)</small>		
23 34 16 00-0247    EA    50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 670) .....	88.75	29.41
23 34 16 00-0248    EA    70 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 671) .....	93.75	29.41
23 34 16 00-0249    EA    180 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 505) .....	153.77	29.41
23 34 16 00-0250    EA    350 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 504) .....	193.91	29.41
23 34 16 00-0251    EA    160 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 503) .....	173.53	29.41
23 34 16 00-0252    EA    270 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 502) .....	230.53	29.41
<b>23 34 16 00-0253</b> <b>Light Duty Exhaust Fans With Lights</b> <small>(23 34 16 00-0245)</small>		
23 34 16 00-0254    EA    50 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 678) .....	115.49	29.41
23 34 16 00-0255    EA    70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 679) .....	128.01	29.41
23 34 16 00-0256    EA    100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 680) .....	238.18	29.41
<b>23 34 16 00-0257</b> <b>Light Duty Exhaust Fans With Heaters</b> <small>(23 34 16 00-0245)</small>		
23 34 16 00-0258    EA    70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater Bulb (Broan® 162) .....	118.20	29.41
23 34 16 00-0259    EA    70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater (Broan® 658) .....	186.89	29.41
<b>23 34 16 00-0260</b> <b>Light Duty Exhaust Fans With Heaters And Lights</b> <small>(23 34 16 00-0245)</small>		
23 34 16 00-0261    EA    70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 655) .....	198.80	29.41
23 34 16 00-0262    EA    100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 100HL) .....	301.03	29.41
<b>23 34 16 00-0263</b> <b>Heavy Duty/Continuous Operation Exhaust Fans</b> <small>(23 34 16 00-0244)</small>		
<b>23 34 16 00-0264</b> <b>Heavy Duty/Continuous Operation Exhaust Fans</b> <small>(23 34 16 00-0263)</small> Note: Includes enamel steel or aluminum grille.		

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0265 EA 50 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50) .....	137.12	29.41
23 34 16 00-0266 EA 80 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80) .....	151.47	29.41
23 34 16 00-0267 EA 109 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L100MG).....	275.73	29.41
23 34 16 00-0268 EA 157 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L150MG).....	282.38	29.41
23 34 16 00-0269 EA 210 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L200MG).....	303.09	29.41
23 34 16 00-0270 EA 259 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L250MG).....	316.32	29.41
23 34 16 00-0271 EA 308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300MG).....	321.45	29.41
23 34 16 00-0272 EA 434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400).....	367.67	29.41
23 34 16 00-0273 EA 514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500) .....	418.66	29.41
23 34 16 00-0274 EA 701 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L700) .....	447.70	29.41
23 34 16 00-0275 EA 901 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L900) .....	532.53	29.41
23 34 16 00-0276 EA 1,513 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L1500) .....	683.66	29.41
<b>23 34 16 00-0277 Heavy Duty/Continuous Operation Kitchen Exhaust Fans</b> <small>(23 34 16 00-0263)</small> Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0278 EA 308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300KMG).....	286.26	29.41
23 34 16 00-0279 EA 434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400K) .....	414.85	29.41
23 34 16 00-0280 EA 514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500K) .....	438.66	29.41
<b>23 34 16 00-0281 Heavy Duty/Continuous Operation Exhaust Fans With Lights</b> <small>(23 34 16 00-0263)</small>		
23 34 16 00-0282 EA 50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD50L) .....	148.87	29.41
23 34 16 00-0283 EA 80 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD80L) .....	162.36	29.41
<b>23 34 16 00-0284 Fire Rated, Heavy Duty/Continuous Operation Exhaust Fans</b> <small>(23 34 16 00-0263)</small>		
23 34 16 00-0285 EA 50 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50RDF) .....	154.79	29.41
23 34 16 00-0286 EA 80 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80RDF) .....	163.72	29.41
23 34 16 00-0287 EA 110 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® 110RDF).....	168.03	29.41
<b>23 34 16 00-0288 Low Sound, Direct Drive, Centrifugal Ceiling Exhaust Fans</b> <small>(23 34 16 00-0244)</small>		
23 34 16 00-0289 EA 900 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A900) .....	734.47	29.41
23 34 16 00-0290 EA 1050 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1050) .....	734.47	29.41
23 34 16 00-0291 EA 1410 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1410) .....	734.47	29.41
23 34 16 00-0292 EA 1550 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1550) .....	805.84	29.41
<b>23 34 16 00-0293 Room-To-Room Exhaust Fans</b> <small>(23 34 16 00-0244)</small>		
23 34 16 00-0294 EA 90 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 512) .....	112.12	29.41
23 34 16 00-0295 EA 180 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 511) .....	185.02	29.41
23 34 16 00-0296 EA 380 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 510) .....	211.59	29.41
<b>23 34 16 00-0297 Through-Wall Exhaust Fans</b> <small>(23 34 16 00-0244)</small>		
23 34 16 00-0298 EA 250 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 507) .....	197.70	29.41
23 34 16 00-0299 EA 470 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 506) .....	234.31	29.41
23 34 16 00-0300 EA 180 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 509) .....	172.52	29.41
23 34 16 00-0301 EA 270 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 508) .....	230.53	29.41
23 34 16 00-0302 EA 360 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan With Motorized Door (Broan® 12C) .....	402.24	29.41
<b>23 34 16 00-0303 Exhaust Fan Accessories</b> <small>(23 34 16 00-0244)</small>		
<b>23 34 16 00-0304 Exhaust Fan Controls</b> <small>(23 34 16 00-0303)</small>		
23 34 16 00-0305 EA Electronic Variable Speed Control Dial, Single Gang, Exhaust Fan Controls (Broan® 57) .....	108.73	18.38
23 34 16 00-0306 EA 60-Minute Time Control Dial, Single Gang, Exhaust Fan Controls (Broan® 59).....	76.34	18.38
23 34 16 00-0307 EA 60-Minute Time Control Dial With Rocker Switch, Double Gang, Exhaust Fan Controls (Broan® 61) .....	77.11	18.38



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 34 16 00-0308</b> <b>Roof And Wall Caps For Exhaust Fans</b> <small>(23 34 16 00-0303)</small>		
<b>23 34 16 00-0309</b> <b>Wall Caps For Exhaust Fans</b> <small>(23 34 16 00-0308)</small>		
23 34 16 00-0310    EA    Aluminum Wall Cap For Up To 12" Duct, Installed On Exterior Walls (Broan® 613).....	170.09	35.02
23 34 16 00-0311    EA    Aluminum Wall Cap For Up To 18" Duct, Installed On Exterior Walls (Broan® 643).....	172.64	35.02
<b>23 34 16 00-0312</b> <b>Roof Caps For Exhaust Fans</b> <small>(23 34 16 00-0308)</small>		
Note: Includes flashing and built in bird screen.		
23 34 16 00-0313    EA    Aluminum Roof Cap For Up To 8" Duct, Installed On Flat Roofs (Broan® 611).....	143.77	35.02
23 34 16 00-0314    EA    Aluminum Roof Cap For Up To 12" Duct, Installed On Flat Roofs (Broan® 612).....	209.99	35.02
23 34 16 00-0315    EA    CRCQ Steel Roof Cap For Up To 4" Duct, Installed On Sloped Roofs (Broan® 636).....	92.88	35.02
23 34 16 00-0316    EA    CRCQ Steel Roof Cap For Up To 8" Duct, Installed On Sloped Roofs (Broan® 634).....	112.74	35.02
<b>23 34 16 00-0317</b> <b>Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan</b> <small>(23 34 16 00-0244)</small>		
Note: Includes storage and cleaning.		
23 34 16 00-0318    EA    Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan.....	48.38	
<b>23 34 23</b> <b>HVAC Power Ventilators</b> <small>(23 34)</small>		
<b>23 34 23 00-0001</b> <b>Power Roof Ventilators</b> <small>(23 34 23)</small>		
<b>23 34 23 00-0002</b> <b>Direct Drive, Aluminum, Centrifugal Roof Exhausters</b> <small>(23 34 23 00-0001)</small>		
Note: Greenheck G.		
23 34 23 00-0003    EA    1/25 HP, 310 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	445.65	92.25
Note: Three speed motor.		
For 12" Roof Curb, Add	113.05	
For Backdraft Damper, Add	63.57	
For Solid State Speed Control, Add	57.83	
For Damper Motor, Add	108.90	
23 34 23 00-0004    EA    1/8 HP, 863 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	489.16	104.50
Note: Three speed motor.		
For 12" Roof Curb, Add	113.05	
For Backdraft Damper, Add	63.57	
For Solid State Speed Control, Add	57.83	
For Damper Motor, Add	108.90	
23 34 23 00-0005    EA    1/6 HP, 1,213 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	716.66	121.91
Note: Three speed motor.		
For 12" Roof Curb, Add	115.96	
For Backdraft Damper, Add	68.80	
For Solid State Speed Control, Add	57.83	
For Damper Motor, Add	108.90	
23 34 23 00-0006    EA    1/4 HP, 1,374 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	735.47	137.40
Note: Three speed motor.		
For 12" Roof Curb, Add	115.96	
For Backdraft Damper, Add	68.80	
For Solid State Speed Control, Add	57.83	
For Damper Motor, Add	108.90	
23 34 23 00-0007    EA    1/3 HP, 1,905 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	953.00	151.59
Note: Three speed motor.		
For 12" Roof Curb, Add	120.81	
For Backdraft Damper, Add	78.03	
For Solid State Speed Control, Add	87.92	
For Damper Motor, Add	108.90	
23 34 23 00-0008    EA    1/2 HP, 3,072 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	1,080.41	161.26
Note: Three speed motor.		
For 12" Roof Curb, Add	120.81	
For Backdraft Damper, Add	78.03	
For Solid State Speed Control, Add	87.92	
For Damper Motor, Add	108.90	
<b>23 34 23 00-0009</b> <b>Belt Drive, Aluminum, Centrifugal Roof Exhausters</b> <small>(23 34 23 00-0001)</small>		
Note: Greenheck GB.		
23 34 23 00-0010    EA    1/4 HP, 1,556 CFM At 1/4" Static Pressure, 19" x 19" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	1,017.24	137.40
Note: Three speed motor.		
For 12" Roof Curb, Add	115.96	
For Backdraft Damper, Add	68.80	
For Damper Motor, Add	108.90	
23 34 23 00-0011    EA    1/3 HP, 1,966 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	1,113.11	174.81
Note: Three speed motor.		
For 12" Roof Curb, Add	120.81	
For Backdraft Damper, Add	78.03	
For Damper Motor, Add	108.90	
23 34 23 00-0012    EA    1/2 HP, 2,943 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	1,529.13	208.35
Note: Three speed motor.		
For 12" Roof Curb, Add	120.81	
For Backdraft Damper, Add	78.03	
For Damper Motor, Add	108.90	
23 34 23 00-0013    EA    3/4 HP, 4,289 CFM At 1/4" Static Pressure, 30" x 30" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	1,956.29	258.03
Note: Three speed motor.		
For 12" Roof Curb, Add	108.90	
23 34 23 00-0014    EA    1 HP, 6,157 CFM At 1/4" Static Pressure, 34" x 34" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	2,594.53	322.52
Note: Three speed motor.		
For 12" Roof Curb, Add	108.90	
23 34 23 00-0015    EA    1-1/2 HP, 8,906 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	2,865.17	403.16
Note: Three speed motor.		
For 12" Roof Curb, Add	108.90	
23 34 23 00-0016    EA    2 HP, 10,059 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	2,888.47	403.16
Note: Three speed motor.		
For 12" Roof Curb, Add	108.90	
23 34 23 00-0017    EA    3 HP, 11,703 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	3,139.88	403.16
Note: Three speed motor.		
For 12" Roof Curb, Add	108.90	
23 34 23 00-0018    EA    5 HP, 13,897 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	3,794.33	403.16
Note: Three speed motor.		
For 12" Roof Curb, Add	108.90	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 34 23 00-0019 Propeller Exhaust Fans, Roof Mounted Upblast</b> (23 34 23 00-0001) Note: Includes back draft damper and birdscreen and curb.		
23 34 23 00-0020 EA 30,300 CFM Belt Drive 5 HP Propeller Exhaust Fan, Roof Mounted, 3/8" Static Pressure .....	4,766.03	496.05
23 34 23 00-0021 EA 36,000 CFM Belt Drive 15 HP Propeller Exhaust Fan, Roof Mounted, 1/2" Static Pressure .....	7,836.29	644.86
<b>23 34 23 00-0022 Belt Drive Supply Fans</b> (23 34 23 00-0001)		
23 34 23 00-0023 EA 4,500 CFM, 24" x 24" Supply Fan, Roof Mounted .....	1,873.68	257.57
23 34 23 00-0024 EA 10,000 CFM, 36" x 36" Supply Fan, Roof Mounted .....	2,536.28	322.46
<b>23 34 23 00-0025 Fan Thermostat</b> (23 34 23 00-0001)		
23 34 23 00-0026 EA 50 To 120 Degree Line Voltage Fan Thermostat .....	84.50	
<b>23 34 23 00-0027 Power Wall Ventilators</b> (23 34 23)		
<b>23 34 23 00-0028 Centrifugal Sidewall Exhausters</b> (23 34 23 00-0027)		
<b>23 34 23 00-0029 Direct Drive, Aluminum, Centrifugal Sidewall Exhauster</b> (23 34 23 00-0028) Note: Greenheck CW.		
23 34 23 00-0030 EA 1/25 HP, 297 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster .....	570.81	103.86
For Solid State Speed Control, Add	87.92	
For Backdraft Damper, Add	83.13	
For Damper Motor, Add	179.25	
For Interior Wall Grill, Add	64.69	
23 34 23 00-0031 EA 1/8 HP, 861 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster .....	653.40	121.91
For Solid State Speed Control, Add	87.92	
For Backdraft Damper, Add	92.35	
For Damper Motor, Add	179.25	
For Interior Wall Grill, Add	76.98	
23 34 23 00-0032 EA 1/6 HP, 1,179 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster .....	1,008.20	137.40
For Solid State Speed Control, Add	87.92	
For Backdraft Damper, Add	104.57	
For Damper Motor, Add	179.25	
For Interior Wall Grill, Add	89.28	
<b>23 34 23 00-0033 Belt Drive, Aluminum, Centrifugal Sidewall Exhausters</b> (23 34 23 00-0028) Note: Greenheck CWB.		
23 34 23 00-0034 EA 1/4 HP, 1,633 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster .....	1,218.39	77.74
For Solid State Speed Control, Add	87.92	
For Backdraft Damper, Add	98.39	
For Damper Motor, Add	179.25	
For Interior Wall Grill, Add	135.54	
23 34 23 00-0035 EA 1/2 HP, 2,291 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster .....	1,288.46	87.54
For Solid State Speed Control, Add	87.92	
For Backdraft Damper, Add	98.39	
For Damper Motor, Add	179.25	
For Interior Wall Grill, Add	135.54	
23 34 23 00-0036 EA 3/4 HP, 3,646 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster .....	1,580.63	100.14
For Solid State Speed Control, Add	87.92	
For Backdraft Damper, Add	122.35	
For Damper Motor, Add	179.25	
For Interior Wall Grill, Add	157.55	
<b>23 34 33 Air Curtains</b> (23 34)		
<b>23 34 33 00-0001 Unheated Air Curtains For Entrances</b> (23 34 33)		
<b>23 34 33 00-0002 Unheated Air Curtains, Standard Velocity</b> (23 34 33 00-0001)		
23 34 33 00-0003 EA Air Curtain For 3' x 8' - 10' Personnel Entrance, Unheated .....	1,433.98	472.82
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	113.18	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	308.09	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	228.87	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	352.11	
For Flat Side Extension Plates, Add	102.45	
For Clearance Adjustable-Angle Mounting Bracket, Add	204.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	245.87	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	259.53	
23 34 33 00-0004 EA Air Curtain For 3.5' x 8' - 10' Personnel Entrance, Unheated .....	1,455.08	472.82
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	113.18	
For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	308.09	
For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø	228.87	
For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add	352.11	
For Flat Side Extension Plates, Add	102.45	
For Clearance Adjustable-Angle Mounting Bracket, Add	204.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	245.87	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	259.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0005 EA Air Curtain For 4' x 8' - 10' Personnel Entrance, Unheated.....	1,477.93	472.82
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	113.18	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	308.09	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	228.87	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	352.11	
<i>For Flat Side Extension Plates, Add</i>	102.45	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	204.89	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	245.87	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	259.53	
23 34 33 00-0006 EA Air Curtain For 5' x 8' - 10' Personnel Entrance, Unheated.....	1,855.90	472.82
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	113.18	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	308.09	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	228.87	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	352.11	
<i>For Flat Side Extension Plates, Add</i>	102.45	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	204.89	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	245.87	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	259.53	
23 34 33 00-0007 EA Air Curtain For 6' x 8' - 10' Personnel Entrance, Unheated.....	2,101.22	567.65
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	113.18	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	308.09	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	228.87	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	352.11	
<i>For Flat Side Extension Plates, Add</i>	102.45	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	204.89	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	245.87	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	259.53	
23 34 33 00-0008 EA Air Curtain For 7' x 8' - 10' Personnel Entrance, Unheated.....	2,233.07	567.65
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	113.18	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	308.09	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	228.87	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	352.11	
<i>For Flat Side Extension Plates, Add</i>	102.45	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	204.89	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	245.87	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	259.53	
23 34 33 00-0009 EA Air Curtain For 8' x 8' - 10' Personnel Entrance, Unheated.....	2,470.87	654.73
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	113.18	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	308.09	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	228.87	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	352.11	
<i>For Flat Side Extension Plates, Add</i>	102.45	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	204.89	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	245.87	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	259.53	
23 34 33 00-0010 EA Air Curtain For 9' x 8' - 10' Personnel Entrance, Unheated.....	2,997.39	654.73
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	113.18	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	308.09	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	228.87	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	352.11	
<i>For Flat Side Extension Plates, Add</i>	102.45	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	204.89	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	245.87	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	259.53	
23 34 33 00-0011 EA Air Curtain For 10' x 8' - 10' Personnel Entrance, Unheated.....	3,064.19	654.73
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	113.18	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	308.09	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	228.87	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	352.11	
<i>For Flat Side Extension Plates, Add</i>	102.45	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	204.89	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	245.87	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	259.53	
23 34 33 00-0012 EA Air Curtain For 12' x 8' - 10' Personnel Entrance, Unheated.....	3,241.75	654.73
Note: Includes housing, mounting brackets and manual controls.		
<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	113.18	
<i>For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add</i>	308.09	
<i>For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø</i>	228.87	
<i>For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add</i>	352.11	
<i>For Flat Side Extension Plates, Add</i>	102.45	
<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	204.89	
<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	245.87	
<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	259.53	

23 34 33 00-0013 Unheated Air Curtains, High Velocity (23 34 33 00-0001)

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0014 EA High Velocity Air Curtain For 3' x 10' - 12' Entrance, Unheated.....	1,783.83	472.82
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	113.18	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	204.89	
For Flat Side Extension Plates, Add	102.45	
For Clearance Adjustable-Angle Mounting Bracket, Add	204.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	245.87	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	259.53	
23 34 33 00-0015 EA High Velocity Air Curtain For 3.5' x 10' - 12' Entrance, Unheated.....	1,811.08	472.82
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	113.18	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	204.89	
For Flat Side Extension Plates, Add	102.45	
For Clearance Adjustable-Angle Mounting Bracket, Add	204.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	245.87	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	259.53	
23 34 33 00-0016 EA High Velocity Air Curtain For 4' x 10' - 12' Entrance, Unheated.....	1,822.50	472.82
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	113.18	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	204.89	
For Flat Side Extension Plates, Add	102.45	
For Clearance Adjustable-Angle Mounting Bracket, Add	204.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	245.87	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	259.53	
23 34 33 00-0017 EA High Velocity Air Curtain For 5' x 10' - 12' Entrance, Unheated.....	1,844.48	472.82
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	113.18	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	204.89	
For Flat Side Extension Plates, Add	102.45	
For Clearance Adjustable-Angle Mounting Bracket, Add	204.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	245.87	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	259.53	
23 34 33 00-0018 EA High Velocity Air Curtain For 6' x 10' - 12' Entrance, Unheated.....	2,902.87	567.65
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	113.18	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	204.89	
For Flat Side Extension Plates, Add	102.45	
For Clearance Adjustable-Angle Mounting Bracket, Add	204.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	245.87	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	259.53	
23 34 33 00-0019 EA High Velocity Air Curtain For 7' x 10' - 12' Entrance, Unheated.....	3,038.23	567.65
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	113.18	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	204.89	
For Flat Side Extension Plates, Add	102.45	
For Clearance Adjustable-Angle Mounting Bracket, Add	204.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	245.87	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	259.53	
23 34 33 00-0020 EA High Velocity Air Curtain For 8' x 10' - 12' Entrance, Unheated.....	3,225.93	654.73
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	113.18	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	204.89	
For Flat Side Extension Plates, Add	102.45	
For Clearance Adjustable-Angle Mounting Bracket, Add	204.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	245.87	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	259.53	
23 34 33 00-0021 EA High Velocity Air Curtain For 9' x 10' - 12' Entrance, Unheated.....	3,694.44	654.73
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	113.18	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	204.89	
For Flat Side Extension Plates, Add	102.45	
For Clearance Adjustable-Angle Mounting Bracket, Add	204.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	245.87	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	259.53	
23 34 33 00-0022 EA High Velocity Air Curtain For 10' x 10' - 12' Entrance, Unheated.....	3,743.66	654.73
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	113.18	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	204.89	
For Flat Side Extension Plates, Add	102.45	
For Clearance Adjustable-Angle Mounting Bracket, Add	204.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	245.87	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	259.53	
23 34 33 00-0023 EA High Velocity Air Curtain For 12' x 10' - 12' Entrance, Unheated.....	3,935.28	654.73
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	113.18	
For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	204.89	
For Flat Side Extension Plates, Add	102.45	
For Clearance Adjustable-Angle Mounting Bracket, Add	204.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	245.87	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	259.53	

23 34 33 00-0024 Service Window Unheated Air Curtains (23 34 33 00-0001)

Note: Normal window sizes.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0025 EA Air Curtain For 2.5' x 5' Service Window, Unheated .....	1,231.53	372.84
Note: Includes housing, mounting brackets and manual controls.		
For Door Limit Switch, Combination Roller And Plunger, Add	113.18	
For Flat Side Extension Plates, Add	102.45	
For Clearance Adjustable-Angle Mounting Bracket, Add	204.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	245.87	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	259.53	
<b>23 34 33 00-0026 Heated Air Curtains For Entrances</b> <small>(23 34 33)</small>		
Note: Includes housing, mounting brackets and manual controls.		
23 34 33 00-0027 EA 60" Heated Air Curtain With 1- 300 MBH Heater .....	2,944.33	416.38
For Door Limit Switch, Combination Roller And Plunger, Add	113.18	
For Flat Side Extension Plates, Add	102.45	
For Clearance Adjustable-Angle Mounting Bracket, Add	204.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	245.87	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	259.53	
23 34 33 00-0028 EA 60" Heated Air Curtain With 1- 400 MBH Heater .....	3,225.85	416.38
For Door Limit Switch, Combination Roller And Plunger, Add	113.18	
For Flat Side Extension Plates, Add	102.45	
For Clearance Adjustable-Angle Mounting Bracket, Add	204.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	245.87	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	259.53	
23 34 33 00-0029 EA 72" Heated Air Curtain With 1- 350 MBH Heater .....	3,532.77	499.59
For Door Limit Switch, Combination Roller And Plunger, Add	113.18	
For Flat Side Extension Plates, Add	102.45	
For Clearance Adjustable-Angle Mounting Bracket, Add	204.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	245.87	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	259.53	
23 34 33 00-0030 EA 72" Heated Air Curtain With 2- 250 MBH Heaters .....	3,870.59	499.59
For Door Limit Switch, Combination Roller And Plunger, Add	113.18	
For Flat Side Extension Plates, Add	102.45	
For Clearance Adjustable-Angle Mounting Bracket, Add	204.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	245.87	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	259.53	
23 34 33 00-0031 EA 96" Heated Air Curtain With 1- 400 MBH Heater .....	4,709.83	666.02
For Door Limit Switch, Combination Roller And Plunger, Add	113.18	
For Flat Side Extension Plates, Add	102.45	
For Clearance Adjustable-Angle Mounting Bracket, Add	204.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	245.87	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	259.53	
23 34 33 00-0032 EA 96" Heated Air Curtain With 2- 350 MBH Heaters .....	5,160.25	666.02
For Door Limit Switch, Combination Roller And Plunger, Add	113.18	
For Flat Side Extension Plates, Add	102.45	
For Clearance Adjustable-Angle Mounting Bracket, Add	204.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	245.87	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	259.53	
23 34 33 00-0033 EA 117" Heated Air Curtain With 2- 300 MBH Heaters .....	5,739.51	811.48
For Door Limit Switch, Combination Roller And Plunger, Add	113.18	
For Flat Side Extension Plates, Add	102.45	
For Clearance Adjustable-Angle Mounting Bracket, Add	204.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	245.87	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	259.53	
23 34 33 00-0034 EA 117" Heated Air Curtain With 2- 400 MBH Heaters .....	6,288.46	811.48
For Door Limit Switch, Combination Roller And Plunger, Add	113.18	
For Flat Side Extension Plates, Add	102.45	
For Clearance Adjustable-Angle Mounting Bracket, Add	204.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	245.87	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	259.53	
23 34 33 00-0035 EA 147" Heated Air Curtain With 2- 350 MBH Heaters .....	7,211.55	1,019.51
For Door Limit Switch, Combination Roller And Plunger, Add	113.18	
For Flat Side Extension Plates, Add	102.45	
For Clearance Adjustable-Angle Mounting Bracket, Add	204.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	245.87	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	259.53	
23 34 33 00-0036 EA 147" Heated Air Curtain With 3- 350 MBH Heaters .....	8,576.89	1,019.51
For Door Limit Switch, Combination Roller And Plunger, Add	113.18	
For Flat Side Extension Plates, Add	102.45	
For Clearance Adjustable-Angle Mounting Bracket, Add	204.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	245.87	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	259.53	
23 34 33 00-0037 EA 168" Heated Air Curtain With 2- 400 MBH Heaters .....	8,242.18	1,165.29
For Door Limit Switch, Combination Roller And Plunger, Add	113.18	
For Flat Side Extension Plates, Add	102.45	
For Clearance Adjustable-Angle Mounting Bracket, Add	204.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	245.87	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	259.53	
23 34 33 00-0038 EA 168" Heated Air Curtain With 3- 400 MBH Heaters .....	9,802.24	1,165.29
For Door Limit Switch, Combination Roller And Plunger, Add	113.18	
For Flat Side Extension Plates, Add	102.45	
For Clearance Adjustable-Angle Mounting Bracket, Add	204.89	
For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	245.87	
For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	259.53	



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34	33 00-0039	EA	192" Heated Air Curtain With 2- 400 MBH Heaters .....	9,417.44	1,331.71
			<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	113.18	
			<i>For Flat Side Extension Plates, Add</i>	102.45	
			<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	204.89	
			<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	245.87	
			<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	259.53	
23 34	33 00-0040	EA	192" Heated Air Curtain With 4- 350 MBH Heaters .....	11,200.36	1,331.71
			<i>For Door Limit Switch, Combination Roller And Plunger, Add</i>	113.18	
			<i>For Flat Side Extension Plates, Add</i>	102.45	
			<i>For Clearance Adjustable-Angle Mounting Bracket, Add</i>	204.89	
			<i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	245.87	
			<i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	259.53	

**23 35 Special Exhaust Systems** (23 30)

See CSI section 23 31 13 16-0075 for spiral duct/piping.

**23 35 13 Dust Collection Systems** (23 35)**23 35 13 13 Sawdust Collection Systems** (23 35 13)

23 35 13 13-0001	Dust Collector System			(23 35 13 13)		
23 35 13 13-0002	EA	1.5 HP Dust Collector Central Vacuum Unit .....	2,552.77		560.24	
		Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.				
23 35 13 13-0003	EA	2 HP Dust Collector Central Vacuum Unit .....	2,861.80		665.29	
		Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.				
23 35 13 13-0004	EA	2-1/2 HP Dust Collector Central Vacuum Unit .....	3,438.44		770.33	
		Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.				
23 35 13 13-0005	EA	3 HP Dust Collector Central Vacuum Unit .....	3,921.79		910.39	
		Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.				
23 35 13 13-0006	EA	5 HP Dust Collector Central Vacuum Unit .....	8,210.73		1,009.22	
		Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.				
23 35 13 13-0007	EA	7-1/2 HP Dust Collector Central Vacuum Unit .....	9,963.85		1,177.42	
		Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.				
23 35 13 13-0008	EA	10 HP Dust Collector Central Vacuum Unit .....	11,413.38		1,345.63	
		Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.				
23 35 13 13-0009	EA	15 HP Dust Collector Central Vacuum Unit .....	12,832.09		1,547.47	
		Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.				
23 35 13 13-0010	EA	20 HP Dust Collector Central Vacuum Unit .....	14,317.67		1,749.31	
		Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.				

**23 35 13 13-0011 Vacuum Tubing And Accessories** (23 35 13 13)**23 35 13 13-0012 Vacuum Tubing** (23 35 13 13-0011)**23 35 13 13-0013 Flexible Hose** (23 35 13 13-0012)

23 35 13 13-0014	LF	2" Flexible Hose .....	7.21		1.16	
23 35 13 13-0015	LF	3" Flexible Hose .....	8.63		1.29	
23 35 13 13-0016	LF	4" Flexible Hose .....	9.37		1.42	

**23 35 13 13-0017 Galvanized Vacuum Tubing** (23 35 13 13-0012)

23 35 13 13-0018	LF	2-1/8" Outside Diameter Vacuum Tubing, Galvanized .....	6.83		1.16	
23 35 13 13-0019	LF	2-1/2" Outside Diameter Vacuum Tubing, Galvanized .....	7.68		1.23	
23 35 13 13-0020	LF	3" Outside Diameter Vacuum Tubing, Galvanized .....	9.20		1.29	
23 35 13 13-0021	LF	3-1/2" Outside Diameter Vacuum Tubing, Galvanized .....	12.10		1.35	
23 35 13 13-0022	LF	4" Outside Diameter Vacuum Tubing, Galvanized .....	12.43		1.42	
23 35 13 13-0023	LF	5" Outside Diameter Vacuum Tubing, Galvanized .....	20.87		1.61	
23 35 13 13-0024	LF	6" Outside Diameter Vacuum Tubing, Galvanized .....	23.50		1.87	
23 35 13 13-0025	LF	8" Outside Diameter Vacuum Tubing, Galvanized .....	31.76		2.58	
23 35 13 13-0026	LF	10" Outside Diameter Vacuum Tubing, Galvanized .....	37.13		3.23	
23 35 13 13-0027	LF	12" Outside Diameter Vacuum Tubing, Galvanized .....	93.96		4.26	

**23 35 13 13-0028 Vacuum Fittings, Galvanized** (23 35 13 13-0011)**23 35 13 13-0029 90 Degree Elbow** (23 35 13 13-0028)

23 35 13 13-0030	EA	2-1/8" 90 Degree Elbow, Vacuum Tubing, Galvanized .....	33.71		7.41	
23 35 13 13-0031	EA	2-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized .....	42.15		7.94	
23 35 13 13-0032	EA	3" 90 Degree Elbow, Vacuum Tubing, Galvanized .....	53.00		8.64	
23 35 13 13-0033	EA	3-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized .....	62.81		9.35	
23 35 13 13-0034	EA	4" 90 Degree Elbow, Vacuum Tubing, Galvanized .....	75.15		10.32	
23 35 13 13-0035	EA	5" 90 Degree Elbow, Vacuum Tubing, Galvanized .....	126.21		11.48	
23 35 13 13-0036	EA	6" 90 Degree Elbow, Vacuum Tubing, Galvanized .....	168.36		12.90	
23 35 13 13-0037	EA	8" 90 Degree Elbow, Vacuum Tubing, Galvanized .....	304.29		17.22	

**23 35 13 13-0038 45 Degree Elbow** (23 35 13 13-0028)

23 35 13 13-0039	EA	2-1/8" 45 Degree Elbow, Vacuum Tubing, Galvanized .....	31.41		7.41	
23 35 13 13-0040	EA	2-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized .....	40.26		7.94	
23 35 13 13-0041	EA	3" 45 Degree Elbow, Vacuum Tubing, Galvanized .....	46.64		8.64	
23 35 13 13-0042	EA	3-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized .....	55.63		9.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 13 13-0043 EA 4" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	68.52	10.32
23 35 13 13-0044 EA 5" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	103.21	11.48
23 35 13 13-0045 EA 6" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	134.53	12.90
23 35 13 13-0046 EA 8" 45 Degree Elbow, Vacuum Tubing, Galvanized.....	247.46	17.22
<b>23 35 13 13-0047 Wye</b> <small>(23 35 13 13-0028)</small>		
23 35 13 13-0048 EA 2-1/8" Wye, Vacuum Tubing, Galvanized.....	61.56	12.26
23 35 13 13-0049 EA 2-1/2" Wye, Vacuum Tubing, Galvanized.....	74.44	13.22
23 35 13 13-0050 EA 3" Wye, Vacuum Tubing, Galvanized.....	91.42	14.19
23 35 13 13-0051 EA 3-1/2" Wye, Vacuum Tubing, Galvanized.....	111.68	15.81
23 35 13 13-0052 EA 4" Wye, Vacuum Tubing, Galvanized.....	150.03	17.10
23 35 13 13-0053 EA 5" Wye, Vacuum Tubing, Galvanized.....	256.78	19.02
23 35 13 13-0054 EA 6" Wye, Vacuum Tubing, Galvanized.....	341.50	21.61
23 35 13 13-0055 EA 8" Wye, Vacuum Tubing, Galvanized.....	681.03	23.54
23 35 13 13-0056 EA 10" Wye, Vacuum Tubing, Galvanized.....	945.41	25.80
23 35 13 13-0057 EA 12" Wye, Vacuum Tubing, Galvanized.....	1,195.52	28.90
<b>23 35 13 13-0058 Reducer</b> <small>(23 35 13 13-0028)</small>		
23 35 13 13-0059 EA 3" Reducer, Vacuum Tubing, Galvanized.....	34.46	8.64
23 35 13 13-0060 EA 4" Reducer, Vacuum Tubing, Galvanized.....	38.38	9.35
23 35 13 13-0061 EA 5" Reducer, Vacuum Tubing, Galvanized.....	49.01	10.32
23 35 13 13-0062 EA 6" Reducer, Vacuum Tubing, Galvanized.....	52.75	11.48
23 35 13 13-0063 EA 8" Reducer, Vacuum Tubing, Galvanized.....	61.90	12.90
<b>23 35 13 13-0064 Air Gate Valve, Galvanized</b> <small>(23 35 13 13-0011)</small>		
23 35 13 13-0065 EA 2-1/8" Air Gate Valve, Vacuum Tubing, Galvanized.....	252.95	17.22
23 35 13 13-0066 EA 2-1/2" Air Gate Valve, Vacuum Tubing, Galvanized.....	264.85	18.39
23 35 13 13-0067 EA 3" Air Gate Valve, Vacuum Tubing, Galvanized.....	304.66	19.80
23 35 13 13-0068 EA 3-1/2" Air Gate Valve, Vacuum Tubing, Galvanized.....	347.76	21.16
23 35 13 13-0069 EA 4" Air Gate Valve, Vacuum Tubing, Galvanized.....	392.38	22.44
23 35 13 13-0070 EA 5" Air Gate Valve, Vacuum Tubing, Galvanized.....	463.68	25.61
23 35 13 13-0071 EA 6" Air Gate Valve, Vacuum Tubing, Galvanized.....	534.42	28.71
<b>23 35 16 Engine Exhaust Systems</b> <small>(23 35)</small>		
<b>23 35 16 16 Mechanical Engine Exhaust Systems</b> <small>(23 35 16)</small>		
23 35 16 16-0001 Overhead Tailpipe Exhaust System <small>(23 35 16 16)</small>		
23 35 16 16-0002 Overhead Tailpipe Exhaust Blowers <small>(23 35 16 16-0001)</small>		
23 35 16 16-0003 Overhead Direct Drive Tailpipe Exhaust Blowers <small>(23 35 16 16-0002)</small>		
23 35 16 16-0004 EA 495 CFM 1/3 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System.....	2,096.23	137.40
23 35 16 16-0005 EA 1,445 CFM 3/4 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System.....	2,415.32	280.60
23 35 16 16-0006 EA 1,840 CFM 1-1/2 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System.....	3,366.17	339.94
23 35 16 16-0007 Overhead Belt Drive Tailpipe Exhaust Blowers <small>(23 35 16 16-0002)</small>		
23 35 16 16-0008 EA 1,400 CFM 1 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	2,347.69	280.60
23 35 16 16-0009 EA 2,023 CFM 1-1/2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	2,497.37	339.94
23 35 16 16-0010 EA 2,750 CFM 2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	2,977.83	537.97
23 35 16 16-0011 EA 4,400 CFM 3 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	3,641.14	694.08
23 35 16 16-0012 EA 7,060 CFM 5 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	4,605.94	826.95
23 35 16 16-0013 Spiral Exhaust Duct Accessories <small>(23 35 16 16-0001)</small>		
23 35 16 16-0014 Flex Hose x Length <small>(23 35 16 16-0013)</small>		
Note: Includes duct coupler, damper and tailpipe adapter.		
23 35 16 16-0015 EA 3" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	100.52	34.18
23 35 16 16-0016 EA 3" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	85.62	34.18
23 35 16 16-0017 EA 4" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	154.08	54.19
23 35 16 16-0018 EA 4" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	129.19	54.19
23 35 16 16-0019 EA 5" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	218.08	85.79
23 35 16 16-0020 EA 5" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	209.17	85.79
23 35 16 16-0021 EA 6" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	332.96	136.10
23 35 16 16-0022 EA 6" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	314.22	136.10
23 35 16 16-0023 Flex Hose With Duct Coupler, Damper And Diesel Exhaust Adapter <small>(23 35 16 16-0013)</small>		
23 35 16 16-0024 EA 4" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	112.40	34.18
23 35 16 16-0025 EA 5" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	162.76	54.19
23 35 16 16-0026 EA 4" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	95.24	34.18
23 35 16 16-0027 EA 5" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	137.30	54.19
23 35 16 16-0028 EA 6" x 25' High Pressure, Stainless Steel Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	897.22	46.06
23 35 16 16-0029 EA 8" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter.....	781.93	84.50
23 35 16 16-0030 EA 10" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter.....	862.60	84.50

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 35 Special Exhaust Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 16 16-0031 LF 8" Heat-Resistant Fabric Flex Hose (650 Degree F.).....	41.41	6.58
23 35 16 16-0032 LF 10" Heat-Resistant Fabric Flex Hose (650 Degree F.).....	46.36	6.58
<b>23 35 16 16-0033 Flexible Hose</b> <small>(23 35 16 16-0013)</small>		
23 35 16 16-0034 LF 3" Stainless Steel Flexible Tubing.....	23.76	1.61
23 35 16 16-0035 LF 4" Stainless Steel Flexible Tubing.....	30.27	1.81
23 35 16 16-0036 LF 5" Stainless Steel Flexible Tubing.....	35.99	1.87
23 35 16 16-0037 LF 6" Stainless Steel Flexible Tubing.....	42.52	2.00
23 35 16 16-0038 LF 3" Galvanized Flexible Tubing.....	13.20	1.61
23 35 16 16-0039 LF 4" Galvanized Flexible Tubing.....	15.50	1.81
23 35 16 16-0040 LF 5" Galvanized Flexible Tubing.....	17.77	1.87
23 35 16 16-0041 LF 6" Galvanized Flexible Tubing.....	19.84	2.00
<b>23 35 16 16-0042 Accessories</b> <small>(23 35 16 16-0001)</small>		
23 35 16 16-0043 EA 3" Tail Pipe Adapter.....	34.29	4.84
23 35 16 16-0044 EA 4" Tail Pipe Adapter.....	35.28	4.84
23 35 16 16-0045 EA 5" Tail Pipe Adapter.....	37.55	5.49
23 35 16 16-0046 EA 3" Bullnose (Guide).....	19.03	3.23
23 35 16 16-0047 EA 4" Bullnose (Guide).....	20.22	3.55
23 35 16 16-0048 EA 5" Bullnose (Guide).....	21.58	3.87
23 35 16 16-0049 EA Flex-Hose Winch And Associated Hardware.....	139.42	36.58
23 35 16 16-0050 LF Flex-Hose Winch Cable, 1/8" Galvanized Wire Rope.....	0.08	
<b>23 35 19 Fume Exhaust Systems</b> <small>(23 35)</small>		
23 35 19 00-0001 EA Fume Exhauster, 1 1/2 HP 630 CFM With Out Hose And Intake Nozzle.....	1,465.55	257.82
23 35 19 00-0002 EA Hose Extension Kit 5'.....	236.75	57.28
<b>23 36 Air Terminal Units</b> <small>(23 30)</small>		
<b>23 36 13 Constant-Air-Volume Units</b> <small>(23 36)</small>		
<b>23 36 13 00-0001 Vertical Units, With Electric Heating Coils</b> <small>(23 36 13)</small>		
23 36 13 00-0002 EA 60 CFM Vertical Induction Unit, With Electric Heating Coils.....	1,428.86	94.52
23 36 13 00-0003 EA 90 CFM Vertical Induction Unit, With Electric Heating Coils.....	1,729.56	101.79
23 36 13 00-0004 EA 120 CFM Vertical Induction Unit, With Electric Heating Coils.....	1,848.05	105.43
23 36 13 00-0005 EA 150 CFM Vertical Induction Unit, With Electric Heating Coils.....	1,973.80	112.70
23 36 13 00-0006 EA 175 CFM Vertical Induction Unit, With Electric Heating Coils.....	2,236.19	116.34
<b>23 36 13 00-0007 Horizontal Units, With Electric Heating Coils</b> <small>(23 36 13)</small>		
23 36 13 00-0008 EA 60 CFM Horizontal Induction Unit, With Electric Heating Coils.....	1,200.03	94.52
23 36 13 00-0009 EA 90 CFM Horizontal Induction Unit, With Electric Heating Coils.....	1,443.40	101.79
23 36 13 00-0010 EA 120 CFM Horizontal Induction Unit, With Electric Heating Coils.....	1,734.98	107.25
<b>23 36 13 00-0011 Duct Boxes, Constant Volume Control</b> <small>(23 36 13)</small>		
<b>23 36 13 00-0012 Single Duct Boxes, Constant Volume Control</b> <small>(23 36 13 00-0011)</small>		
23 36 13 00-0013 EA 4 - 6" Diameter Inlet, 50 - 240 CFM, Single Duct Boxes, Constant Volume Control.....	471.21	26.61
For Boxes With Motor, Add.....	20.00	
23 36 13 00-0014 EA 6 - 8" Diameter Inlet, 100 - 480 CFM, Single Duct Boxes, Constant Volume Control.....	520.79	28.72
For Boxes With Motor, Add.....	20.00	
23 36 13 00-0015 EA 7 - 10" Diameter Inlet, 150 - 720 CFM, Single Duct Boxes, Constant Volume Control.....	544.25	31.52
For Boxes With Motor, Add.....	20.00	
23 36 13 00-0016 EA 9 - 12" Diameter Inlet, 200 - 960 CFM, Single Duct Boxes, Constant Volume Control.....	555.51	32.91
For Boxes With Motor, Add.....	20.00	
23 36 13 00-0017 EA 12" Diameter Inlet, 250 - 1,200 CFM, Single Duct Boxes, Constant Volume Control.....	569.09	36.42
For Boxes With Motor, Add.....	20.00	
23 36 13 00-0018 EA 14" Diameter Inlet, 350 - 1,680 CFM, Single Duct Boxes, Constant Volume Control.....	649.94	40.61
For Boxes With Motor, Add.....	20.00	
23 36 13 00-0019 EA 16" Diameter Inlet, 450 - 2,160 CFM, Single Duct Boxes, Constant Volume Control.....	686.93	45.52
For Boxes With Motor, Add.....	20.00	
23 36 13 00-0020 EA 20" x 16" Inlet, 550 - 2,640 CFM, Single Duct Boxes, Constant Volume Control.....	739.75	54.63
For Boxes With Motor, Add.....	20.00	
23 36 13 00-0021 EA 24" x 16" Inlet, 650 - 3,120 CFM, Single Duct Boxes, Constant Volume Control.....	792.36	63.03
For Boxes With Motor, Add.....	20.00	
<b>23 36 13 00-0022 Dual Duct Boxes, Constant Volume Control</b> <small>(23 36 13 00-0011)</small>		
23 36 13 00-0023 EA 4 - 6" Diameter Inlet, 50 - 240 CFM, Dual Duct Boxes, Constant Volume Control.....	643.47	26.61
For Boxes With Motor, Add.....	20.00	
23 36 13 00-0024 EA 6 - 8" Diameter Inlet, 100 - 480 CFM, Dual Duct Boxes, Constant Volume Control.....	689.38	28.72
For Boxes With Motor, Add.....	20.00	
23 36 13 00-0025 EA 7 - 10" Diameter Inlet, 150 - 720 CFM, Dual Duct Boxes, Constant Volume Control.....	722.42	31.52
For Boxes With Motor, Add.....	20.00	
23 36 13 00-0026 EA 9 - 12" Diameter Inlet, 200 - 960 CFM, Dual Duct Boxes, Constant Volume Control.....	752.67	32.91
For Boxes With Motor, Add.....	20.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 13 00-0027 EA 12" Diameter Inlet, 250 - 1,200 CFM, Dual Duct Boxes, Constant Volume Control .....	766.25	36.42
For Boxes With Motor, Add	20.00	
23 36 13 00-0028 EA 14" Diameter Inlet, 350 - 1,680 CFM, Dual Duct Boxes, Constant Volume Control .....	879.35	41.32
For Boxes With Motor, Add	20.00	
23 36 13 00-0029 EA 16" Diameter Inlet, 450 - 2,160 CFM, Dual Duct Boxes, Constant Volume Control .....	962.98	45.52
For Boxes With Motor, Add	20.00	
23 36 13 00-0030 EA 20" x 16" Inlet, 550 - 2,640 CFM, Dual Duct Boxes, Constant Volume Control .....	1,046.56	54.63
For Boxes With Motor, Add	20.00	
23 36 13 00-0031 EA 24" x 16" Inlet, 650 - 3,120 CFM, Dual Duct Boxes, Constant Volume Control .....	1,104.05	63.03
For Boxes With Motor, Add	20.00	
 <b>23 36 16 Variable-Air-Volume Units (23 36)</b>		
23 36 16 00-0001 Variable Volume Terminal Unit (23 36 16)		
Note: Includes flow controllers, insulated plenum, system powered box mounted thermostat.		
23 36 16 00-0002 Single Duct Variable Volume Terminal Unit (23 36 16 00-0001)		
Note: Enclosure only. For mounting DDC controls.		
23 36 16 00-0003 EA 6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls .....	402.49	32.21
For Filters And Frames, Add	6.30	
23 36 16 00-0004 EA 8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls .....	449.67	36.42
For Filters And Frames, Add	6.30	
23 36 16 00-0005 EA 10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls .....	499.81	40.61
For Filters And Frames, Add	6.30	
23 36 16 00-0006 EA 12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls .....	530.98	45.52
For Filters And Frames, Add	6.30	
23 36 16 00-0007 EA 14" Diameter Inlet, 450 - 3,000 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls .....	735.39	97.97
For Filters And Frames, Add	6.30	
23 36 16 00-0008 EA 16" Diameter Inlet, 580 - 4,000 CFM, Variable Air Volume Box With enclosure only. For mounting DDC controls .....	869.25	116.25
For Filters And Frames, Add	6.30	
 <b>23 36 16 00-0009 Single Duct Variable Volume Terminal Unit (23 36 16 00-0001)</b>		
Note: With pneumatic controls.		
23 36 16 00-0010 EA 6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With pneumatic controller .....	885.01	32.21
For Fan Powered Variable Air Volume Box, Add	969.64	
For Hot Water Coils, Add	40.55	
For Pressure Independent Actuator, Add	67.57	
For Filters And Frames, Add	6.30	
23 36 16 00-0011 EA 8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With pneumatic controller .....	954.83	36.42
For Fan Powered Variable Air Volume Box, Add	1,038.06	
For Hot Water Coils, Add	40.55	
For Pressure Independent Actuator, Add	67.57	
For Filters And Frames, Add	6.30	
23 36 16 00-0012 EA 10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With pneumatic controller .....	996.26	40.61
For Fan Powered Variable Air Volume Box, Add	1,069.68	
For Hot Water Coils, Add	40.55	
For Pressure Independent Actuator, Add	67.57	
For Filters And Frames, Add	6.30	
23 36 16 00-0013 EA 12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With pneumatic controller .....	1,036.14	45.52
For Fan Powered Variable Air Volume Box, Add	1,099.16	
For Hot Water Coils, Add	40.55	
For Pressure Independent Actuator, Add	67.57	
For Filters And Frames, Add	6.30	
23 36 16 00-0014 EA 14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With pneumatic controller .....	1,193.51	97.97
For Fan Powered Variable Air Volume Box, Add	1,231.65	
For Hot Water Coils, Add	40.55	
For Pressure Independent Actuator, Add	67.57	
For Filters And Frames, Add	6.30	
23 36 16 00-0015 EA 16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With pneumatic controller .....	1,365.70	116.25
For Fan Powered Variable Air Volume Box, Add	1,331.24	
For Hot Water Coils, Add	40.55	
For Pressure Independent Actuator, Add	67.57	
For Filters And Frames, Add	6.30	
 <b>23 36 16 00-0016 Single Duct Variable Volume Terminal Unit (23 36 16 00-0001)</b>		
Note: With analog electronic controls.		
23 36 16 00-0017 EA 6" Diameter Inlet, 60 - 500 CFM, Variable Air Volume Box With analog electronic controls .....	1,485.98	32.21
For Hot Water Coils, Add	40.55	
For Filters And Frames, Add	6.30	
23 36 16 00-0018 EA 8" Diameter Inlet, 105 - 900 CFM, Variable Air Volume Box With analog electronic controls .....	1,541.86	36.42
For Hot Water Coils, Add	40.55	
For Filters And Frames, Add	6.30	
23 36 16 00-0019 EA 10" Diameter Inlet, 165 - 1,400 CFM, Variable Air Volume Box With analog electronic controls .....	1,592.00	40.61
For Hot Water Coils, Add	40.55	
For Filters And Frames, Add	6.30	
23 36 16 00-0020 EA 12" Diameter Inlet, 235 - 2,000 CFM, Variable Air Volume Box With analog electronic controls .....	1,664.97	45.52
For Hot Water Coils, Add	40.55	
For Filters And Frames, Add	6.30	
23 36 16 00-0021 EA 14" Diameter Inlet, 320 - 3,000 CFM, Variable Air Volume Box With analog electronic controls .....	1,824.09	97.97
For Hot Water Coils, Add	40.55	
For Filters And Frames, Add	6.30	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 36 Air Terminal Units**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0022	EA		16" Diameter Inlet, 420 - 4,000 CFM, Variable Air Volume Box With analog electronic controls	1,858.93	97.97
			<i>For Hot Water Coils, Add</i>	40.55	
			<i>For Filters And Frames, Add</i>	6.30	
<b>23 36 16 00-0023</b>			<b>Dual Duct Variable Volume Terminal Unit</b> <small>(23 36 16 00-0001)</small>		
			Note: With flow control installation, plenum system power box, thermostat.		
23 36 16 00-0024	EA		6" Diameter Inlet, 75 - 500 CFM, Variable Air Volume Box, Dual Duct	1,007.02	63.66
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0025	EA		8" Diameter Inlet, 200 - 700 CFM, Variable Air Volume Box, Dual Duct	1,099.52	72.48
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0026	EA		10" Diameter Inlet, 400 - 1,000 CFM, Variable Air Volume Box, Dual Duct	1,174.49	81.86
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0027	EA		12" Diameter Inlet, 600 - 1,400 CFM, Variable Air Volume Box, Dual Duct	1,287.06	91.32
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0028	EA		14" Diameter Inlet, 800 - 2,700 CFM, Variable Air Volume Box, Dual Duct	1,445.49	105.04
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0029	EA		16" Diameter Inlet, 1,000 - 3,500 CFM, Variable Air Volume Box, Dual Duct	1,581.09	126.05
			<i>For Filters And Frames, Add</i>	6.30	
<b>23 36 16 00-0030</b>			<b>Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M)</b> <small>(23 36 16 00-0001)</small>		
23 36 16 00-0031	EA		0 To 200 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-A)	346.39	43.77
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0032	EA		0 To 300 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-B)	375.90	48.14
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0033	EA		0 To 400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-C)	406.23	52.52
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0034	EA		0 To 700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-D)	437.46	56.90
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0035	EA		0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-E)	469.68	61.27
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0036	EA		0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-F)	502.89	65.66
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0037	EA		0 To 1,100 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-G)	540.05	70.03
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0038	EA		0 To 1,900 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-H)	575.76	74.41
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0039	EA		0 To 2,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-J)	612.73	78.79
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0040	EA		0 To 3,800 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-K)	651.07	83.16
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0041	EA		0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-L)	690.87	87.54
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0042	EA		0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M)	732.22	91.91
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0043	EA		0 To 6,700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-N)	775.24	96.29
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0044	EA		0 To 10,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-P)	816.19	100.66
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0045	EA		0 To 15,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-R)	862.65	105.04
			<i>For Filters And Frames, Add</i>	6.30	
<b>23 37 Air Outlets And Inlets</b> <small>(23 30)</small>					
<b>23 37 13 Diffusers, Registers, And Grilles</b> <small>(23 37)</small>					
<b>23 37 13 13 Diffusers, Registers, and Grilles</b> <small>(23 37 13)</small>					
<b>23 37 13 13-0001 Ceiling Diffusers</b> <small>(23 37 13 13)</small>					
<b>23 37 13 13-0002 Ceiling Diffusers With Perforated Face</b> <small>(23 37 13 13-0001)</small>					
			Note: Flush mount, aluminum construction, includes damper.		
23 37 13 13-0003	EA		6" x 6" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	72.33	9.10
			<i>For Steel Construction, Deduct</i>	-5.45	
			<i>For Surface Mount, Deduct</i>	-4.36	
			<i>For Diffuser Without Damper, Deduct</i>	-7.26	
			<i>For Stainless Steel, Add</i>	90.80	
23 37 13 13-0004	EA		8" x 8" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	80.40	9.10
			<i>For Steel Construction, Deduct</i>	-6.66	
			<i>For Surface Mount, Deduct</i>	-5.33	
			<i>For Diffuser Without Damper, Deduct</i>	-8.88	
			<i>For Stainless Steel, Add</i>	110.98	
23 37 13 13-0005	EA		9" x 9" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	80.40	9.10
			<i>For Steel Construction, Deduct</i>	-6.66	
			<i>For Surface Mount, Deduct</i>	-5.33	
			<i>For Diffuser Without Damper, Deduct</i>	-8.88	
			<i>For Stainless Steel, Add</i>	110.98	
23 37 13 13-0006	EA		10" x 10" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	96.61	11.20
			<i>For Steel Construction, Deduct</i>	-7.97	
			<i>For Surface Mount, Deduct</i>	-6.38	
			<i>For Diffuser Without Damper, Deduct</i>	-10.63	
			<i>For Stainless Steel, Add</i>	132.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0007 EA 12" x 12" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper .....	96.61	10.51
<i>For Steel Construction, Deduct</i>	-7.97	
<i>For Surface Mount, Deduct</i>	-6.38	
<i>For Diffuser Without Damper, Deduct</i>	-10.63	
<i>For Stainless Steel, Add</i>	132.85	
23 37 13 13-0008 EA 16" x 16" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper .....	111.41	10.51
<i>For Steel Construction, Deduct</i>	-10.19	
<i>For Surface Mount, Deduct</i>	-8.15	
<i>For Diffuser Without Damper, Deduct</i>	-13.59	
<i>For Stainless Steel, Add</i>	169.85	
23 37 13 13-0009 EA 18" x 18" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper .....	127.62	14.00
<i>For Steel Construction, Deduct</i>	-10.96	
<i>For Surface Mount, Deduct</i>	-8.77	
<i>For Diffuser Without Damper, Deduct</i>	-14.61	
<i>For Stainless Steel, Add</i>	182.63	
23 37 13 13-0010 EA 20" x 20" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper .....	148.51	14.71
<i>For Steel Construction, Deduct</i>	-13.68	
<i>For Surface Mount, Deduct</i>	-10.95	
<i>For Diffuser Without Damper, Deduct</i>	-18.24	
<i>For Stainless Steel, Add</i>	228.03	
23 37 13 13-0011 EA 24" x 24" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper .....	168.14	16.81
<i>For Steel Construction, Deduct</i>	-15.22	
<i>For Surface Mount, Deduct</i>	-12.17	
<i>For Lay-In Mount, Deduct</i>	-12.17	
<i>For Diffuser Without Damper, Deduct</i>	-20.29	
<i>For Stainless Steel, Add</i>	253.60	
<b>23 37 13 13-0012 Ceiling Diffusers With Louver Face</b> <small>(23 37 13 13-0001)</small>		
Note: 1 To 4 way adjustable pattern, surface mount aluminum construction.		
23 37 13 13-0013 EA 6" x 6" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	75.02	9.10
<i>For Steel Construction, Deduct</i>	-5.85	
<i>For Flush Mount, Add</i>	5.85	
<i>For Stainless Steel, Add</i>	97.53	
23 37 13 13-0014 EA 8" x 8" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	85.52	9.10
<i>For Steel Construction, Deduct</i>	-7.43	
<i>For Flush Mount, Add</i>	7.43	
<i>For Stainless Steel, Add</i>	123.78	
23 37 13 13-0015 EA 9" x 9" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	85.52	9.10
<i>For Steel Construction, Deduct</i>	-7.43	
<i>For Flush Mount, Add</i>	7.43	
<i>For Stainless Steel, Add</i>	123.78	
23 37 13 13-0016 EA 10" x 10" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	102.66	10.51
<i>For Steel Construction, Deduct</i>	-8.88	
<i>For Flush Mount, Add</i>	8.88	
<i>For Stainless Steel, Add</i>	147.98	
23 37 13 13-0017 EA 12" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	102.66	11.20
<i>For Steel Construction, Deduct</i>	-8.88	
<i>For Flush Mount, Add</i>	8.88	
<i>For Stainless Steel, Add</i>	147.98	
23 37 13 13-0018 EA 24" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	132.30	14.00
<i>For Steel Construction, Deduct</i>	-11.62	
<i>For Flush Mount, Add</i>	11.62	
<i>For Stainless Steel, Add</i>	193.73	
23 37 13 13-0019 EA 14" x 14" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	118.04	14.00
<i>For Steel Construction, Deduct</i>	-9.48	
<i>For Flush Mount, Add</i>	9.48	
<i>For Stainless Steel, Add</i>	158.08	
23 37 13 13-0020 EA 18" x 18" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	147.46	16.81
<i>For Steel Construction, Deduct</i>	-12.17	
<i>For Flush Mount, Add</i>	12.17	
<i>For Stainless Steel, Add</i>	202.80	
23 37 13 13-0021 EA 21" x 21" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	170.85	18.90
<i>For Steel Construction, Deduct</i>	-15.14	
<i>For Flush Mount, Add</i>	15.14	
<i>For Stainless Steel, Add</i>	252.25	
23 37 13 13-0022 EA 24" x 24" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	186.75	37.04
<i>For Steel Construction, Deduct</i>	-16.89	
<i>For Flush Mount, Add</i>	16.89	
<i>For Lay-In Mount, Add</i>	22.52	
<i>For Stainless Steel, Add</i>	281.50	
<b>23 37 13 13-0023 Round Ceiling Diffusers With Fixed Pattern</b> <small>(23 37 13 13-0001)</small>		
Note: Aluminum construction.		
23 37 13 13-0024 EA 6" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	123.33	9.10
<i>For Steel Construction, Deduct</i>	-26.20	
<i>For Stainless Steel, Add</i>	218.30	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0025 EA 8" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	127.81	9.10
For Steel Construction, Deduct	-27.54	
For Stainless Steel, Add	229.50	
23 37 13 13-0026 EA 10" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	144.23	11.20
For Steel Construction, Deduct	-30.23	
For Stainless Steel, Add	251.90	
23 37 13 13-0027 EA 12" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	155.42	10.51
For Steel Construction, Deduct	-33.59	
For Stainless Steel, Add	279.88	
23 37 13 13-0028 EA 14" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	222.83	12.60
For Steel Construction, Deduct	-51.72	
For Stainless Steel, Add	431.03	
23 37 13 13-0029 EA 16" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	235.00	13.31
For Steel Construction, Deduct	-54.74	
For Stainless Steel, Add	456.20	
23 37 13 13-0030 EA 18" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	247.37	14.00
For Steel Construction, Deduct	-57.77	
For Stainless Steel, Add	481.40	
23 37 13 13-0031 EA 20" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	286.18	14.00
For Steel Construction, Deduct	-68.66	
For Stainless Steel, Add	572.20	
23 37 13 13-0032 EA 24" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	341.67	16.11
For Steel Construction, Deduct	-83.59	
For Stainless Steel, Add	696.60	
23 37 13 13-0033 EA 28" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	384.79	16.81
For Steel Construction, Deduct	-95.54	
For Stainless Steel, Add	796.13	
23 37 13 13-0034 EA 32" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	459.77	18.90
For Steel Construction, Deduct	-115.69	
For Stainless Steel, Add	964.05	
<b>23 37 13 13-0035 Round Ceiling Diffusers With Adjustable Pattern Dropped Style (23 37 13 13-0001)</b>		
Note: Aluminum construction.		
23 37 13 13-0036 EA 6" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	130.05	9.10
For Steel Construction, Deduct	-9.40	
For Flush Mount, Deduct	-4.70	
For Stainless Steel, Add	235.10	
23 37 13 13-0037 EA 8" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	141.62	9.10
For Steel Construction, Deduct	-10.56	
For Flush Mount, Deduct	-5.28	
For Stainless Steel, Add	264.03	
23 37 13 13-0038 EA 10" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	160.40	11.20
For Steel Construction, Deduct	-11.69	
For Flush Mount, Deduct	-5.85	
For Stainless Steel, Add	292.33	
23 37 13 13-0039 EA 12" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	173.34	11.20
For Steel Construction, Deduct	-12.99	
For Flush Mount, Deduct	-6.49	
For Stainless Steel, Add	324.68	
23 37 13 13-0040 EA 14" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	251.94	12.60
For Steel Construction, Deduct	-20.15	
For Flush Mount, Deduct	-10.08	
For Stainless Steel, Add	503.80	
23 37 13 13-0041 EA 16" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	220.57	13.31
For Steel Construction, Deduct	-21.53	
For Flush Mount, Deduct	-10.77	
For Stainless Steel, Add	538.30	
23 37 13 13-0042 EA 18" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	283.94	14.00
For Steel Construction, Deduct	-22.91	
For Flush Mount, Deduct	-11.46	
For Stainless Steel, Add	572.83	
23 37 13 13-0043 EA 20" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	329.72	14.71
For Steel Construction, Deduct	-27.24	
For Flush Mount, Deduct	-13.62	
For Stainless Steel, Add	681.05	
23 37 13 13-0044 EA 24" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	372.52	16.11
For Steel Construction, Deduct	-30.95	
For Flush Mount, Deduct	-15.47	
For Stainless Steel, Add	773.73	
23 37 13 13-0045 EA 28" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	451.96	16.81
For Steel Construction, Deduct	-38.56	
For Flush Mount, Deduct	-19.28	
For Stainless Steel, Add	964.05	
23 37 13 13-0046 EA 32" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	544.60	18.90
For Steel Construction, Deduct	-47.05	
For Flush Mount, Deduct	-23.52	
For Stainless Steel, Add	1,176.13	
23 37 13 13-0047 EA 36" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction.....	603.49	39.42
For Steel Construction, Deduct	-115.69	
For Stainless Steel, Add	1,311.75	
<b>23 37 13 13-0048 Linear Type Ceiling Diffusers With 2-Way Air Deflection (23 37 13 13-0001)</b>		
23 37 13 13-0049 LF 4" Linear Type Ceiling Diffuser 40-200 CFM/LF, With 2-Way Air Deflection.....	98.52	10.51
For Stainless Steel, Add	141.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0050 LF 6-1/4" Linear Type Ceiling Diffuser, 41 - 206 CFM/LF, With 2-Way Air Deflection ..... <i>For Stainless Steel, Add</i>	106.20 160.48	10.51
23 37 13 13-0051 LF 9-1/4" Linear Type Ceiling Diffuser, 62 - 312 CFM/LF, With 2-Way Air Deflection ..... <i>For Stainless Steel, Add</i>	115.65 184.10	10.51
23 37 13 13-0052 LF 12-1/4" Linear Type Ceiling Diffuser, 131 - 656 CFM/LF, With 2-Way Air Deflection ..... <i>For Stainless Steel, Add</i>	124.86 207.13	10.51
<b>23 37 13 13-0053 VAV Ceiling Diffuser With Blade Damper</b> <small>(23 37 13 13-0001)</small>		
23 37 13 13-0054 EA 24" x 24" T-Bar Lay-In, VAV Ceiling Diffuser With Blade Damper (Acutherm TF-HC)..... Note: Individual setpoints for VAV heating and VAV cooling.	547.49	31.52
<b>23 37 13 13-0055 Wall And Floor Diffusers</b> <small>(23 37 13 13)</small>		
<b>23 37 13 13-0056 Slot Type Linear Diffusers</b> <small>(23 37 13 13-0055)</small> Note: For sidewall sill or ceiling 1/2" 3/4" or 1" slot spacing 1-1/8" border.		
23 37 13 13-0057 LF 1 Slot Linear Diffusers 10 - 70 CFM/LF, Sidewall, Sill, Ceiling..... <i>For 3/4" Border, Add</i> <i>For Floor Mounted Diffusers, Add</i> <i>For Stainless Steel, Add</i>	33.37 4.67 5.60 24.26	3.50
23 37 13 13-0058 LF 2 Slot Linear Diffusers 20 - 140 CFM/LF, Sidewall, Sill, Ceiling..... <i>For 3/4" Border, Add</i> <i>For Floor Mounted Diffusers, Add</i> <i>For Stainless Steel, Add</i>	40.98 6.22 7.46 32.34	4.20
23 37 13 13-0059 LF 3 Slot Linear Diffusers 30 - 210 CFM/LF, Sidewall, Sill, Ceiling..... <i>For 3/4" Border, Add</i> <i>For Floor Mounted Diffusers, Add</i> <i>For Stainless Steel, Add</i>	57.40 9.80 11.75 50.93	4.90
23 37 13 13-0060 LF 4 Slot Linear Diffusers 40 - 280 CFM/LF, Sidewall, Sill, Ceiling..... <i>For 3/4" Border, Add</i> <i>For Floor Mounted Diffusers, Add</i> <i>For Stainless Steel, Add</i>	76.28 14.00 16.79 72.77	4.90
23 37 13 13-0061 LF 5 Slot Linear Diffusers 50 - 350 CFM/LF, Sidewall, Sill, Ceiling..... <i>For 3/4" Border, Add</i> <i>For Floor Mounted Diffusers, Add</i> <i>For Stainless Steel, Add</i>	95.90 18.19 21.83 94.60	5.61
23 37 13 13-0062 LF 6 Slot Linear Diffusers 60 - 420 CFM/LF, Sidewall, Sill, Ceiling..... <i>For 3/4" Border, Add</i> <i>For Floor Mounted Diffusers, Add</i> <i>For Stainless Steel, Add</i>	112.43 21.46 25.75 111.58	7.01
<b>23 37 13 13-0063 Linear Bar Grilles And Registers</b> <small>(23 37 13 13-0055)</small> Note: For sidewall sill or ceiling or 15 degree deflection 1/2" bar spacing 1" border aluminum construction.		
23 37 13 13-0064 LF 2" Wide Linear Bar Grilles/Registers 30 - 70 CFM/LF, Sidewall, Sill, Ceiling..... <i>For Floor Mount, Add</i> <i>For Opposed Blade Damper, Add</i> <i>For Stainless Steel, Add</i>	106.28 9.02 18.04 117.23	4.20
23 37 13 13-0065 LF 3" Wide Linear Bar Grilles/Registers 55 - 143 CFM/LF, Sidewall, Sill, Ceiling..... <i>For Floor Mount, Add</i> <i>For Opposed Blade Damper, Add</i> <i>For Stainless Steel, Add</i>	127.06 10.88 21.77 141.49	4.90
23 37 13 13-0066 LF 4" Wide Linear Bar Grilles/Registers 80 - 208 CFM/LF, Sidewall, Sill, Ceiling..... <i>For Floor Mount, Add</i> <i>For Opposed Blade Damper, Add</i> <i>For Stainless Steel, Add</i>	138.47 11.82 23.63 153.62	4.90
23 37 13 13-0067 LF 6" Wide Linear Bar Grilles/Registers 125 - 325 CFM/LF, Sidewall, Sill, Ceiling..... <i>For Floor Mount, Add</i> <i>For Opposed Blade Damper, Add</i> <i>For Stainless Steel, Add</i>	169.65 14.31 28.61 185.97	7.01
23 37 13 13-0068 LF 9" Wide Linear Bar Grilles/Registers 225 - 450 CFM/LF, Sidewall, Sill, Ceiling..... <i>For Floor Mount, Add</i> <i>For Opposed Blade Damper, Add</i> <i>For Stainless Steel, Add</i>	234.74 19.90 39.81 258.74	9.10
23 37 13 13-0069 LF 12" Wide Linear Bar Grilles/Registers 225 - 495 CFM/LF, Sidewall, Sill, Ceiling..... <i>For Floor Mount, Add</i> <i>For Opposed Blade Damper, Add</i> <i>For Stainless Steel, Add</i>	270.49 22.70 45.40 295.13	10.51
<b>23 37 13 13-0070 Return/Exhaust Registers And Grilles</b> <small>(23 37 13 13)</small>		
<b>23 37 13 13-0071 Return/Exhaust Registers With Frame</b> <small>(23 37 13 13-0070)</small> Note: Single deflection with opposed blade damper aluminum construction wall or ceiling mount.		
23 37 13 13-0072 EA 8" x 4" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling..... <i>For Steel Construction, Deduct</i> <i>For Grilles (No Damper), Deduct</i> <i>For Removable Core, Add</i> <i>For Cube Core With Frame, Add</i> <i>For Cube Core Lay In, Add</i> <i>For Stainless Steel, Add</i>	71.81 -10.01 -20.03 35.00 5.01 10.01 125.18	5.61



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0073 EA 8" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	82.69	5.61
For Steel Construction, Deduct	-12.19	
For Grilles (No Damper), Deduct	-24.38	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	6.10	
For Cube Core Lay In, Add	12.19	
For Stainless Steel, Add	152.38	
23 37 13 13-0074 EA 10" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	92.69	6.30
For Steel Construction, Deduct	-13.50	
For Grilles (No Damper), Deduct	-26.99	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	6.75	
For Cube Core Lay In, Add	13.50	
For Stainless Steel, Add	168.70	
23 37 13 13-0075 EA 10" x 10" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	96.79	7.01
For Steel Construction, Deduct	-13.50	
For Grilles (No Damper), Deduct	-26.99	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	6.75	
For Cube Core Lay In, Add	13.50	
For Stainless Steel, Add	168.70	
23 37 13 13-0076 EA 12" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	92.44	7.01
For Steel Construction, Deduct	-12.63	
For Grilles (No Damper), Deduct	-25.25	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	6.31	
For Cube Core Lay In, Add	12.63	
For Stainless Steel, Add	157.83	
23 37 13 13-0077 EA 12" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	118.73	9.10
For Steel Construction, Deduct	-16.54	
For Grilles (No Damper), Deduct	-33.09	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	8.27	
For Cube Core Lay In, Add	16.54	
For Stainless Steel, Add	206.80	
23 37 13 13-0078 EA 16" x 16" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	142.24	10.51
For Steel Construction, Deduct	-19.75	
For Grilles (No Damper), Deduct	-39.51	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	9.88	
For Cube Core Lay In, Add	19.75	
For Stainless Steel, Add	246.93	
23 37 13 13-0079 EA 18" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	174.50	12.60
For Steel Construction, Deduct	-24.82	
For Grilles (No Damper), Deduct	-49.63	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	12.41	
For Cube Core Lay In, Add	24.82	
For Stainless Steel, Add	310.20	
23 37 13 13-0080 EA 20" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	205.07	14.00
For Steel Construction, Deduct	-30.05	
For Grilles (No Damper), Deduct	-60.10	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	15.03	
For Cube Core Lay In, Add	30.05	
For Stainless Steel, Add	375.65	
23 37 13 13-0081 EA 24" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	182.98	14.00
For Steel Construction, Deduct	-25.14	
For Grilles (No Damper), Deduct	-50.27	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	12.57	
For Cube Core Lay In, Add	25.14	
For Stainless Steel, Add	314.20	
23 37 13 13-0082 EA 24" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	209.68	14.00
For Steel Construction, Deduct	-30.48	
For Grilles (No Damper), Deduct	-60.95	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	15.24	
For Cube Core Lay In, Add	30.48	
For Stainless Steel, Add	380.95	
23 37 13 13-0083 EA 24" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	220.96	16.11
For Steel Construction, Deduct	-31.59	
For Grilles (No Damper), Deduct	-63.17	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	15.79	
For Cube Core Lay In, Add	31.59	
For Stainless Steel, Add	394.83	
23 37 13 13-0084 EA 30" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	234.19	16.81
For Steel Construction, Deduct	-33.57	
For Grilles (No Damper), Deduct	-67.14	
For Removable Core, Add	35.00	
For Cube Core With Frame, Add	16.79	
For Cube Core Lay In, Add	33.57	
For Stainless Steel, Add	419.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0085 EA 30" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	270.06	18.90
<i>For Steel Construction, Deduct</i>	-39.18	
<i>For Grilles (No Damper), Deduct</i>	-78.36	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	19.59	
<i>For Cube Core Lay In, Add</i>	39.18	
<i>For Stainless Steel, Add</i>	489.78	
23 37 13 13-0086 EA 30" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	302.05	22.41
<i>For Steel Construction, Deduct</i>	-42.40	
<i>For Grilles (No Damper), Deduct</i>	-84.80	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	21.20	
<i>For Cube Core Lay In, Add</i>	42.40	
<i>For Stainless Steel, Add</i>	530.03	
23 37 13 13-0087 EA 30" x 30" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	394.23	22.41
<i>For Steel Construction, Deduct</i>	-60.84	
<i>For Grilles (No Damper), Deduct</i>	-121.68	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	30.42	
<i>For Cube Core Lay In, Add</i>	60.84	
<i>For Stainless Steel, Add</i>	760.48	
23 37 13 13-0088 EA 36" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	326.00	24.51
<i>For Steel Construction, Deduct</i>	-45.81	
<i>For Grilles (No Damper), Deduct</i>	-91.62	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	22.90	
<i>For Cube Core Lay In, Add</i>	45.81	
<i>For Stainless Steel, Add</i>	572.60	
23 37 13 13-0089 EA 36" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	317.24	23.82
<i>For Steel Construction, Deduct</i>	-44.06	
<i>For Grilles (No Damper), Deduct</i>	-88.11	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	22.03	
<i>For Cube Core Lay In, Add</i>	44.06	
<i>For Stainless Steel, Add</i>	550.70	
23 37 13 13-0090 EA 36" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	361.58	26.61
<i>For Steel Construction, Deduct</i>	-51.31	
<i>For Grilles (No Damper), Deduct</i>	-102.62	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	25.65	
<i>For Cube Core Lay In, Add</i>	51.31	
<i>For Stainless Steel, Add</i>	641.35	
23 37 13 13-0091 EA 36" x 36" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	492.15	28.72
<i>For Steel Construction, Deduct</i>	-75.51	
<i>For Grilles (No Damper), Deduct</i>	-151.02	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	37.76	
<i>For Cube Core Lay In, Add</i>	75.51	
<i>For Stainless Steel, Add</i>	943.88	
23 37 13 13-0092 EA 24" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	217.39	16.17
<i>For Steel Construction, Deduct</i>	-30.55	
<i>For Grilles (No Damper), Deduct</i>	-61.10	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	15.28	
<i>For Cube Core Lay In, Add</i>	30.55	
<i>For Stainless Steel, Add</i>	381.90	
23 37 13 13-0093 EA 32" x 40" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	393.64	28.64
<i>For Steel Construction, Deduct</i>	-55.81	
<i>For Grilles (No Damper), Deduct</i>	-111.62	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	27.90	
<i>For Cube Core Lay In, Add</i>	55.81	
<i>For Stainless Steel, Add</i>	697.60	
23 37 13 13-0094 EA 48" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	425.24	28.01
<i>For Steel Construction, Deduct</i>	-64.04	
<i>For Grilles (No Damper), Deduct</i>	-128.08	
<i>For Removable Core, Add</i>	35.00	
<i>For Cube Core With Frame, Add</i>	32.02	
<i>For Cube Core Lay In, Add</i>	64.04	
<i>For Stainless Steel, Add</i>	800.50	
<b>23 37 13 13-0095 Return/Exhaust Registers Removable-Reversible</b> <small>(23 37 13 13-0070)</small>		
<i>Note: Double deflection core and opposed blade damper radiused frame with boarder aluminum construction.</i>		
23 37 13 13-0096 EA 8" x 4" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	66.15	5.61
<i>For Steel Construction, Deduct</i>	-4.44	
<i>For Flat Frame, Deduct</i>	-0.44	
<i>For Grilles (No Damper), Deduct</i>	-8.88	
<i>For Stainless Steel, Add</i>	111.03	
23 37 13 13-0097 EA 8" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	66.15	5.61
<i>For Steel Construction, Deduct</i>	-4.44	
<i>For Flat Frame, Deduct</i>	-0.44	
<i>For Grilles (No Damper), Deduct</i>	-8.88	
<i>For Stainless Steel, Add</i>	111.03	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13	13-0098	EA	10" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	81.37	6.30
			<i>For Steel Construction, Deduct</i>	-5.62	
			<i>For Flat Frame, Deduct</i>	-0.56	
			<i>For Grilles (No Damper), Deduct</i>	-11.23	
			<i>For Stainless Steel, Add</i>	140.40	
23 37 13	13-0099	EA	10" x 10" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	93.31	7.70
			<i>For Steel Construction, Deduct</i>	-6.40	
			<i>For Flat Frame, Deduct</i>	-0.64	
			<i>For Grilles (No Damper), Deduct</i>	-12.80	
			<i>For Stainless Steel, Add</i>	160.00	
23 37 13	13-0100	EA	12" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	92.00	7.01
			<i>For Steel Construction, Deduct</i>	-6.27	
			<i>For Flat Frame, Deduct</i>	-0.63	
			<i>For Grilles (No Damper), Deduct</i>	-12.54	
			<i>For Stainless Steel, Add</i>	156.73	
23 37 13	13-0101	EA	12" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	119.60	9.10
			<i>For Steel Construction, Deduct</i>	-8.36	
			<i>For Flat Frame, Deduct</i>	-0.84	
			<i>For Grilles (No Damper), Deduct</i>	-16.72	
			<i>For Stainless Steel, Add</i>	208.98	
23 37 13	13-0102	EA	16" x 16" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	194.55	11.20
			<i>For Steel Construction, Deduct</i>	-15.11	
			<i>For Flat Frame, Deduct</i>	-1.51	
			<i>For Grilles (No Damper), Deduct</i>	-30.22	
			<i>For Stainless Steel, Add</i>	377.70	
23 37 13	13-0103	EA	18" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	234.58	12.60
			<i>For Steel Construction, Deduct</i>	-18.42	
			<i>For Flat Frame, Deduct</i>	-1.84	
			<i>For Grilles (No Damper), Deduct</i>	-36.83	
			<i>For Stainless Steel, Add</i>	460.40	
23 37 13	13-0104	EA	20" x 20" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	265.10	14.00
			<i>For Steel Construction, Deduct</i>	-21.03	
			<i>For Flat Frame, Deduct</i>	-2.10	
			<i>For Grilles (No Damper), Deduct</i>	-42.06	
			<i>For Stainless Steel, Add</i>	525.73	
23 37 13	13-0105	EA	24" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	219.26	14.00
			<i>For Steel Construction, Deduct</i>	-16.20	
			<i>For Flat Frame, Deduct</i>	-1.62	
			<i>For Grilles (No Damper), Deduct</i>	-32.39	
			<i>For Stainless Steel, Add</i>	404.90	
23 37 13	13-0106	EA	24" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	297.63	14.71
			<i>For Steel Construction, Deduct</i>	-24.03	
			<i>For Flat Frame, Deduct</i>	-2.40	
			<i>For Grilles (No Damper), Deduct</i>	-48.07	
			<i>For Stainless Steel, Add</i>	600.83	
23 37 13	13-0107	EA	24" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	347.77	16.11
			<i>For Steel Construction, Deduct</i>	-28.47	
			<i>For Flat Frame, Deduct</i>	-2.85	
			<i>For Grilles (No Damper), Deduct</i>	-56.95	
			<i>For Stainless Steel, Add</i>	711.85	
23 37 13	13-0108	EA	30" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	264.87	16.81
			<i>For Steel Construction, Deduct</i>	-19.85	
			<i>For Flat Frame, Deduct</i>	-1.99	
			<i>For Grilles (No Damper), Deduct</i>	-39.71	
			<i>For Stainless Steel, Add</i>	496.33	
23 37 13	13-0109	EA	30" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	366.72	18.90
			<i>For Steel Construction, Deduct</i>	-29.26	
			<i>For Flat Frame, Deduct</i>	-2.93	
			<i>For Grilles (No Damper), Deduct</i>	-58.51	
			<i>For Stainless Steel, Add</i>	731.43	
23 37 13	13-0110	EA	30" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	441.39	22.41
			<i>For Steel Construction, Deduct</i>	-35.14	
			<i>For Flat Frame, Deduct</i>	-3.51	
			<i>For Grilles (No Damper), Deduct</i>	-70.27	
			<i>For Stainless Steel, Add</i>	878.38	
23 37 13	13-0111	EA	30" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	507.35	22.41
			<i>For Steel Construction, Deduct</i>	-41.73	
			<i>For Flat Frame, Deduct</i>	-4.17	
			<i>For Grilles (No Damper), Deduct</i>	-83.46	
			<i>For Stainless Steel, Add</i>	1,043.28	
23 37 13	13-0112	EA	36" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	341.21	23.82
			<i>For Steel Construction, Deduct</i>	-24.43	
			<i>For Flat Frame, Deduct</i>	-2.44	
			<i>For Grilles (No Damper), Deduct</i>	-48.85	
			<i>For Stainless Steel, Add</i>	610.63	
23 37 13	13-0113	EA	36" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	466.59	23.82
			<i>For Steel Construction, Deduct</i>	-36.96	
			<i>For Flat Frame, Deduct</i>	-3.70	
			<i>For Grilles (No Damper), Deduct</i>	-73.93	
			<i>For Stainless Steel, Add</i>	924.08	
23 37 13	13-0114	EA	36" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	541.29	26.61
			<i>For Steel Construction, Deduct</i>	-43.63	
			<i>For Flat Frame, Deduct</i>	-4.36	
			<i>For Grilles (No Damper), Deduct</i>	-87.25	
			<i>For Stainless Steel, Add</i>	1,090.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0115 EA 36" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	633.79	28.72
For Steel Construction, Deduct	-51.92	
For Flat Frame, Deduct	-5.19	
For Grilles (No Damper), Deduct	-103.84	
For Stainless Steel, Add	1,297.98	
23 37 13 13-0116 EA 36" x 36" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	670.36	28.72
For Steel Construction, Deduct	-55.58	
For Flat Frame, Deduct	-5.56	
For Grilles (No Damper), Deduct	-111.15	
For Stainless Steel, Add	1,389.40	
<b>23 37 13 13-0117 Aluminum Eggcrate Ceiling Return Air And Exhaust Grilles (23 37 13 13-0070)</b>		
23 37 13 13-0118 EA 6" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	33.64	6.84
23 37 13 13-0119 EA 8" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	33.64	6.84
23 37 13 13-0120 EA 8" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	36.59	6.84
23 37 13 13-0121 EA 8" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	37.77	6.84
23 37 13 13-0122 EA 10" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	36.59	6.84
23 37 13 13-0123 EA 10" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	37.77	6.84
23 37 13 13-0124 EA 10" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	45.40	8.97
23 37 13 13-0125 EA 10" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	46.58	8.97
23 37 13 13-0126 EA 12" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	44.22	8.97
23 37 13 13-0127 EA 12" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	46.58	8.97
23 37 13 13-0128 EA 12" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	47.77	8.97
23 37 13 13-0129 EA 12" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	48.95	8.97
23 37 13 13-0130 EA 14" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	47.18	8.97
23 37 13 13-0131 EA 14" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	49.54	8.97
23 37 13 13-0132 EA 14" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	50.72	8.97
23 37 13 13-0133 EA 14" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	56.04	8.97
23 37 13 13-0134 EA 16" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	49.54	8.97
23 37 13 13-0135 EA 16" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	53.67	8.97
23 37 13 13-0136 EA 16" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	56.04	8.97
23 37 13 13-0137 EA 16" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	71.89	13.22
23 37 13 13-0138 EA 16" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	73.07	13.22
23 37 13 13-0139 EA 18" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	70.71	13.22
23 37 13 13-0140 EA 18" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	86.61	15.35
23 37 13 13-0141 EA 20" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	69.53	13.22
23 37 13 13-0142 EA 20" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	92.52	15.35
23 37 13 13-0143 EA 22" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	48.36	8.97
23 37 13 13-0144 EA 22" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	70.71	13.22
23 37 13 13-0145 EA 22" x 22" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	103.70	17.48
23 37 13 13-0146 EA 24" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	69.53	13.22
23 37 13 13-0147 EA 24" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	71.89	13.22
23 37 13 13-0148 EA 24" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	83.07	15.35
For Lay-In Installation, Deduct	-32.43	
23 37 13 13-0149 EA 24" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	86.61	15.35
23 37 13 13-0150 EA 24" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	96.62	17.48
23 37 13 13-0151 EA 24" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	100.16	17.48
23 37 13 13-0152 EA 24" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	104.30	17.48
23 37 13 13-0153 EA 24" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	111.98	17.48
For Lay-In Installation, Deduct	-37.13	
23 37 13 13-0154 EA 30" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	84.84	15.35
23 37 13 13-0155 EA 48" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	137.80	19.16
23 37 13 13-0156 EA 48" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille.....	236.36	23.41
For Lay-In Installation, Deduct	-53.41	
<b>23 37 13 13-0157 Supply Registers and Grilles (23 37 13 13)</b>		
<b>23 37 13 13-0158 Adjustable Curved Blade Register (23 37 13 13-0157)</b>		
Note: Ceiling mount aluminum construction four way pattern flush frame.		
23 37 13 13-0159 EA 6" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	59.76	5.61
For Steel Construction, Deduct	-5.71	
For Lay In Frame, Deduct	-9.52	
For Three Way Pattern, Deduct	-3.81	
For Two Way Pattern, Deduct	-3.04	
For One Way Pattern, Deduct	-3.04	
For Grille (No Damper), Deduct	-5.71	
For Stainless Steel, Add	95.15	
23 37 13 13-0160 EA 8" x 8" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	62.00	5.61
For Steel Construction, Deduct	-6.05	
For Lay In Frame, Deduct	-10.08	
For Three Way Pattern, Deduct	-4.03	
For Two Way Pattern, Deduct	-3.22	
For One Way Pattern, Deduct	-3.22	
For Grille (No Damper), Deduct	-6.05	
For Stainless Steel, Add	100.75	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 37 Air Outlets And Inlets**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0161 EA 12" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	67.44	7.70
For Steel Construction, Deduct	-5.71	
For Lay In Frame, Deduct	-9.52	
For Three Way Pattern, Deduct	-3.81	
For Two Way Pattern, Deduct	-3.04	
For One Way Pattern, Deduct	-3.04	
For Grille (No Damper), Deduct	-5.71	
For Stainless Steel, Add	95.15	
23 37 13 13-0162 EA 10" x 10" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	75.65	7.01
For Steel Construction, Deduct	-6.94	
For Lay In Frame, Deduct	-11.57	
For Three Way Pattern, Deduct	-4.63	
For Two Way Pattern, Deduct	-3.70	
For One Way Pattern, Deduct	-3.70	
For Grille (No Damper), Deduct	-6.94	
For Stainless Steel, Add	115.68	
23 37 13 13-0163 EA 12" x 12" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	90.94	9.10
For Steel Construction, Deduct	-8.28	
For Lay In Frame, Deduct	-13.81	
For Three Way Pattern, Deduct	-5.52	
For Two Way Pattern, Deduct	-4.42	
For One Way Pattern, Deduct	-4.42	
For Grille (No Damper), Deduct	-8.28	
For Stainless Steel, Add	138.08	
23 37 13 13-0164 EA 14" x 14" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	112.14	10.51
For Steel Construction, Deduct	-10.30	
For Lay In Frame, Deduct	-17.17	
For Three Way Pattern, Deduct	-6.87	
For Two Way Pattern, Deduct	-5.49	
For One Way Pattern, Deduct	-5.49	
For Grille (No Damper), Deduct	-10.30	
For Stainless Steel, Add	171.68	
23 37 13 13-0165 EA 16" x 16" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	112.14	10.51
For Steel Construction, Deduct	-10.30	
For Lay In Frame, Deduct	-17.17	
For Three Way Pattern, Deduct	-6.87	
For Two Way Pattern, Deduct	-5.49	
For One Way Pattern, Deduct	-5.49	
For Grille (No Damper), Deduct	-10.30	
For Stainless Steel, Add	171.68	
23 37 13 13-0166 EA 18" x 18" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	138.16	14.00
For Steel Construction, Deduct	-12.54	
For Lay In Frame, Deduct	-20.90	
For Three Way Pattern, Deduct	-8.36	
For Two Way Pattern, Deduct	-6.69	
For One Way Pattern, Deduct	-6.69	
For Grille (No Damper), Deduct	-12.54	
For Stainless Steel, Add	208.98	
23 37 13 13-0167 EA 24" x 24" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	183.43	14.71
For Steel Construction, Deduct	-18.92	
For Lay In Frame, Deduct	-31.53	
For Three Way Pattern, Deduct	-12.61	
For Two Way Pattern, Deduct	-10.09	
For One Way Pattern, Deduct	-10.09	
For Grille (No Damper), Deduct	-18.92	
For Stainless Steel, Add	315.33	
23 37 13 13-0168 EA 30" x 30" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	301.59	29.69
For Steel Construction, Deduct	-36.33	
For Lay In Frame, Deduct	-60.55	
For Three Way Pattern, Deduct	-24.22	
For Two Way Pattern, Deduct	-19.38	
For One Way Pattern, Deduct	-19.38	
For Grille (No Damper), Deduct	-36.33	
For Stainless Steel, Add	605.48	
<b>23 37 13 13-0169 Removable-Reversible Core Registers</b> <small>(23 37 13 13-0157)</small>		
Note: Double deflection radiused frame aluminum construction.		
23 37 13 13-0170 EA 6" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	69.47	5.61
For Steel Construction, Deduct	-4.78	
For Flat Frame, Deduct	-4.78	
For Grille (No Damper), Deduct	-14.33	
For Stainless Steel, Add	119.43	
23 37 13 13-0171 EA 8" x 8" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	88.87	5.61
For Steel Construction, Deduct	-6.72	
For Flat Frame, Deduct	-6.72	
For Grille (No Damper), Deduct	-20.15	
For Stainless Steel, Add	167.93	
23 37 13 13-0172 EA 12" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	112.97	7.70
For Steel Construction, Deduct	-8.36	
For Flat Frame, Deduct	-8.36	
For Grille (No Damper), Deduct	-25.08	
For Stainless Steel, Add	208.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0173 EA 10" x 10" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	114.46	7.70
<i>For Steel Construction, Deduct</i>	-8.51	
<i>For Flat Frame, Deduct</i>	-8.51	
<i>For Grille (No Damper), Deduct</i>	-25.52	
<i>For Stainless Steel, Add</i>	212.70	
23 37 13 13-0174 EA 12" x 12" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	146.17	9.10
<i>For Steel Construction, Deduct</i>	-11.05	
<i>For Flat Frame, Deduct</i>	-11.05	
<i>For Grille (No Damper), Deduct</i>	-33.14	
<i>For Stainless Steel, Add</i>	276.15	
23 37 13 13-0175 EA 14" x 14" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	209.16	11.20
<i>For Steel Construction, Deduct</i>	-16.57	
<i>For Flat Frame, Deduct</i>	-16.57	
<i>For Grille (No Damper), Deduct</i>	-49.71	
<i>For Stainless Steel, Add</i>	414.23	
23 37 13 13-0176 EA 16" x 16" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	236.03	10.51
<i>For Steel Construction, Deduct</i>	-19.26	
<i>For Flat Frame, Deduct</i>	-19.26	
<i>For Grille (No Damper), Deduct</i>	-57.77	
<i>For Stainless Steel, Add</i>	481.40	
23 37 13 13-0177 EA 18" x 18" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	284.45	14.00
<i>For Steel Construction, Deduct</i>	-22.99	
<i>For Flat Frame, Deduct</i>	-22.99	
<i>For Grille (No Damper), Deduct</i>	-68.96	
<i>For Stainless Steel, Add</i>	574.70	
23 37 13 13-0178 EA 24" x 24" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	360.32	14.00
<i>For Steel Construction, Deduct</i>	-30.30	
<i>For Flat Frame, Deduct</i>	-30.30	
<i>For Grille (No Damper), Deduct</i>	-90.91	
<i>For Stainless Steel, Add</i>	757.55	
<b>23 37 13 13-0179 Adjustable Shutter Blade Registers</b> <small>(23 37 13 13-0157)</small>		
<i>Note: Double deflection flat frame aluminum construction.</i>		
23 37 13 13-0180 EA 6" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame .....	108.78	5.61
<i>For Steel Construction, Deduct</i>	-8.71	
<i>For Single Deflection, Deduct</i>	-17.42	
<i>For Grille (No Damper), Deduct</i>	-13.06	
<i>For Stainless Steel, Add</i>	217.70	
23 37 13 13-0181 EA 8" x 8" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame .....	126.19	5.61
<i>For Steel Construction, Deduct</i>	-10.45	
<i>For Single Deflection, Deduct</i>	-20.90	
<i>For Grille (No Damper), Deduct</i>	-15.67	
<i>For Stainless Steel, Add</i>	261.23	
23 37 13 13-0182 EA 12" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame .....	133.87	7.70
<i>For Steel Construction, Deduct</i>	-10.45	
<i>For Single Deflection, Deduct</i>	-20.90	
<i>For Grille (No Damper), Deduct</i>	-15.67	
<i>For Stainless Steel, Add</i>	261.23	
23 37 13 13-0183 EA 10" x 10" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame .....	138.85	7.01
<i>For Steel Construction, Deduct</i>	-10.95	
<i>For Single Deflection, Deduct</i>	-21.89	
<i>For Grille (No Damper), Deduct</i>	-16.42	
<i>For Stainless Steel, Add</i>	273.68	
23 37 13 13-0184 EA 12" x 12" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame .....	170.05	9.10
<i>For Steel Construction, Deduct</i>	-13.43	
<i>For Single Deflection, Deduct</i>	-26.87	
<i>For Grille (No Damper), Deduct</i>	-20.15	
<i>For Stainless Steel, Add</i>	335.85	
23 37 13 13-0185 EA 14" x 14" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame .....	227.57	10.51
<i>For Steel Construction, Deduct</i>	-18.41	
<i>For Single Deflection, Deduct</i>	-36.82	
<i>For Grille (No Damper), Deduct</i>	-27.62	
<i>For Stainless Steel, Add</i>	460.25	
23 37 13 13-0186 EA 16" x 16" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame .....	269.87	11.20
<i>For Steel Construction, Deduct</i>	-22.64	
<i>For Single Deflection, Deduct</i>	-45.28	
<i>For Grille (No Damper), Deduct</i>	-33.96	
<i>For Stainless Steel, Add</i>	566.00	
23 37 13 13-0187 EA 18" x 18" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame .....	333.21	14.00
<i>For Steel Construction, Deduct</i>	-27.86	
<i>For Single Deflection, Deduct</i>	-55.73	
<i>For Grille (No Damper), Deduct</i>	-41.80	
<i>For Stainless Steel, Add</i>	696.60	
23 37 13 13-0188 EA 24" x 24" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame .....	462.82	14.71
<i>For Steel Construction, Deduct</i>	-40.55	
<i>For Single Deflection, Deduct</i>	-81.10	
<i>For Grille (No Damper), Deduct</i>	-60.83	
<i>For Stainless Steel, Add</i>	1,013.80	
<b>23 37 13 13-0189 Air Conditioning And Ventilation</b> <small>(23 37 13 13-0157)</small>		
23 37 13 13-0190 EA 10" x 16" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	55.27	14.71
<i>For Stainless Steel, Add</i>	64.73	
23 37 13 13-0191 EA 18" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	95.54	21.89
<i>For Stainless Steel, Add</i>	129.43	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 37 13 13-0192	EA	30" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	147.56		30.64
		<i>For Stainless Steel, Add</i>	215.73		
23 37 13 13-0193	EA	48" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	368.79		42.01
		<i>For Stainless Steel, Add</i>	711.88		
<b>23 37 13 13-0194</b>		<b>Square Wall Return Air And Exhaust Grilles</b> (23 37 13 13-0157)			
		Note: Egg crate design aluminum construction.			
23 37 13 13-0195	EA	8" x 8" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	50.58		17.52
23 37 13 13-0196	EA	12" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	55.36		17.52
23 37 13 13-0197	EA	18" x 18" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	82.46		26.27
23 37 13 13-0198	EA	24" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	106.39		26.27
23 37 13 13-0199	EA	28" x 28" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	177.76		35.02
23 37 13 13-0200	EA	36" x 36" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	322.42		35.02
<b>23 37 13 13-0201</b>		<b>Rectangular Four-Way Adjustable Deflection Wall Supply Grilles</b> (23 37 13 13-0157)			
		Note: Aluminum construction.			
23 37 13 13-0202	EA	12" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction .....	153.82		12.61
23 37 13 13-0203	EA	14" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction .....	176.21		12.61
23 37 13 13-0204	EA	18" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction .....	212.78		14.01
23 37 13 13-0205	EA	24" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction .....	252.56		14.01
23 37 13 13-0206	EA	36" x 20" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction .....	323.01		43.78
<b>23 37 13 13-0207</b>		<b>Square Ceiling Return Air And Exhaust Grilles</b> (23 37 13 13-0157)			
		Note: Egg crate design, plastic construction.			
23 37 13 13-0208	EA	24" x 24" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction .....	29.08		8.38
23 37 13 13-0209	EA	24" x 48" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction .....	42.31		8.45
<b>23 37 13 13-0210</b>		<b>Door Grilles Sight Proof Inverted Vee Cross Section</b> (23 37 13 13-0157)			
		Note: Painted steel louvers and frame.			
23 37 13 13-0211	EA	12" x 6" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel .....	85.65		12.61
23 37 13 13-0212	EA	12" x 12" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel .....	106.55		12.61
23 37 13 13-0213	EA	18" x 18" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel .....	133.92		13.31
23 37 13 13-0214	EA	24" x 24" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel .....	186.16		15.90
23 37 13 13-0215	EA	24" x 30" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel .....	206.37		29.21
<b>23 37 13 13-0216</b>		<b>Stainless Steel Devices</b> (23 37 13 13-0157)			
<b>23 37 13 13-0217</b>		<b>304 Stainless Steel, Louvered Partition/Door Grilles</b> (23 37 13 13-0216)			
23 37 13 13-0218	SF	Up To 4 SF, 304 Stainless Steel, Louvered Partition/Door Grille .....	160.54		10.93
		<i>For 316 Stainless Steel, Add</i>	28.47		
23 37 13 13-0219	SF	>4 SF, 304 Stainless Steel, Louvered Partition/Door Grille .....	134.57		10.93
		<i>For 316 Stainless Steel, Add</i>	23.27		
<b>23 37 13 13-0220</b>		<b>304 Stainless Steel, Single Deflection Supply Grilles</b> (23 37 13 13-0216)			
23 37 13 13-0221	SF	Up To 4 SF, 304 Stainless Steel, Single Deflection Supply Grille .....	120.18		10.93
		<i>For 316 Stainless Steel, Add</i>	20.39		
23 37 13 13-0222	SF	>4 SF, 304 Stainless Steel, Single Deflection Supply Grille .....	101.29		10.93
		<i>For 316 Stainless Steel, Add</i>	16.62		
<b>23 37 13 13-0223</b>		<b>304 Stainless Steel, Double Deflection Supply Grilles</b> (23 37 13 13-0216)			
23 37 13 13-0224	SF	Up To 4 SF, 304 Stainless Steel, Double Deflection Supply Grille .....	178.60		10.93
		<i>For 316 Stainless Steel, Add</i>	32.08		
23 37 13 13-0225	SF	>4 SF, 304 Stainless Steel, Double Deflection Supply Grille .....	151.34		10.93
		<i>For 316 Stainless Steel, Add</i>	26.63		
<b>23 37 13 13-0226</b>		<b>304 Stainless Steel Return Grilles</b> (23 37 13 13-0216)			
23 37 13 13-0227	SF	Up To 4 SF, 304 Stainless Steel Return Grille .....	120.18		10.93
		<i>For 316 Stainless Steel, Add</i>	20.39		
23 37 13 13-0228	SF	>4 SF, 304 Stainless Steel Return Grille .....	101.29		10.93
		<i>For 316 Stainless Steel, Add</i>	16.62		
<b>23 37 13 13-0229</b>		<b>304 Stainless Steel, Louvered Supply/Return Grilles</b> (23 37 13 13-0216)			
23 37 13 13-0230	SF	Up To 4 SF, 304 Stainless Steel, Louvered Supply/Return Grille .....	120.18		10.93
		<i>For 316 Stainless Steel, Add</i>	20.39		
23 37 13 13-0231	SF	>4 SF, 304 Stainless Steel, Louvered Supply/Return Grille .....	101.29		10.93
		<i>For 316 Stainless Steel, Add</i>	16.62		
<b>23 37 13 13-0232</b>		<b>304 Stainless Steel, Perforated Return Grilles</b> (23 37 13 13-0216)			
23 37 13 13-0233	SF	Up To 4 SF, 304 Stainless Steel, Perforated Return Grille .....	120.18		10.93
		<i>For 316 Stainless Steel, Add</i>	20.39		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0234 SF >4 SF, 304 Stainless Steel, Perforated Return Grille..... <i>For 316 Stainless Steel, Add</i>	96.10 15.58	10.93
<b>23 37 13 13-0235 304 Stainless Steel, Perforated Supply Grilles</b> (23 37 13 13-0216)		
23 37 13 13-0236 SF Up To 4 SF, 304 Stainless Steel, Perforated Supply Grille..... <i>For 316 Stainless Steel, Add</i>	146.73 25.70	10.93
23 37 13 13-0237 SF >4 SF, 304 Stainless Steel, Perforated Supply Grille ..... <i>For 316 Stainless Steel, Add</i>	98.86 16.13	10.93
<b>23 37 13 13-0238 304 Stainless Steel, Door Grilles</b> (23 37 13 13-0216)		
23 37 13 13-0239 SF Up To 4 SF, 304 Stainless Steel, Door Grille..... <i>For 316 Stainless Steel, Add</i>	222.15 40.79	10.93
23 37 13 13-0240 SF >4 SF, 304 Stainless Steel, Door Grille ..... <i>For 316 Stainless Steel, Add</i>	184.39 33.24	10.93
<b>23 37 13 13-0241 304 Stainless Steel, Linear Bar Grilles</b> (23 37 13 13-0216)		
23 37 13 13-0242 SF Up To 4 SF, 304 Stainless Steel, Linear Bar Grille..... <i>For 316 Stainless Steel, Add</i>	285.53 53.46	10.93
23 37 13 13-0243 SF >4 SF, 304 Stainless Steel, Linear Bar Grille..... <i>For 316 Stainless Steel, Add</i>	243.62 45.08	10.93
<b>23 37 13 13-0244 304 Stainless Steel, Hinged Filter Grilles</b> (23 37 13 13-0216)		
23 37 13 13-0245 SF Up To 4 SF, 304 Stainless Steel, Hinged Filter Grille..... <i>For 316 Stainless Steel, Add</i>	208.34 38.03	10.93
23 37 13 13-0246 SF >4 SF, 304 Stainless Steel, Hinged Filter Grille..... <i>For 316 Stainless Steel, Add</i>	142.25 24.81	10.93
<b>23 37 13 13-0247 304 Stainless Steel, Opposed Blade Dampers Grilles</b> (23 37 13 13-0216)		
23 37 13 13-0248 SF Up To 4 SF, 304 Stainless Steel, Opposed Blade Dampers Grille..... <i>For 316 Stainless Steel, Add</i>	109.56 18.27	10.93
23 37 13 13-0249 SF Opposed Blade Dampers Grille, Stainless Steel 304, > 4 SF..... <i>For 316 Stainless Steel, Add</i>	82.06 12.77	10.93
<b>23 37 13 13-0250 304 Stainless Steel, Plaster Frames Replacement</b> (23 37 13 13-0216)		
Note: For frequent replacement.		
23 37 13 13-0251 SF To 4 SF, 304 Stainless Steel, Plaster Frames Replacement..... <i>For 316 Stainless Steel, Add</i>	84.07 13.17	10.93
23 37 13 13-0252 SF >4 SF, 304 Stainless Steel, Plaster Frames Replacement..... <i>For 316 Stainless Steel, Add</i>	41.93 4.74	10.93
<b>23 37 13 13-0253 304 Stainless Steel, Modular Louvered Ceiling Diffusers</b> (23 37 13 13-0216)		
23 37 13 13-0254 SF Up To 4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser..... <i>For 316 Stainless Steel, Add</i>	205.15 37.39	10.93
23 37 13 13-0255 SF >4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser..... <i>For 316 Stainless Steel, Add</i>	159.25 28.21	10.93
<b>23 37 13 13-0256 304 Stainless Steel, Latticed Supply/Return Grilles</b> (23 37 13 13-0216)		
23 37 13 13-0257 SF Up To 4 SF, 304 Stainless Steel, Latticed Supply/Return Grille..... <i>For 316 Stainless Steel, Add</i>	68.13 9.98	10.93
23 37 13 13-0258 SF >4 SF, 304 Stainless Steel, Latticed Supply/Return Grille..... <i>For 316 Stainless Steel, Add</i>	68.13 9.98	10.93
<b>23 37 13 13-0259 Removal And Reinstallation Of Distribution Devices</b> (23 37 13 13)		
Note: Includes storage and cleaning. Excludes ductwork.		
23 37 13 13-0260 EA Removal And Reinstallation Of Variable Air Volume Terminal Unit.....	131.31	
23 37 13 13-0261 EA Removal And Reinstallation Of Fan Powered Variable Volume Terminal Unit.....	144.83	
23 37 13 13-0262 EA Removal And Reinstallation Of Lay-in Diffuser/Register/Grille.....	21.71	
23 37 13 13-0263 EA Removal And Reinstallation Of Surface Mounted Diffuser/Register/Grille.....	29.40	
<b>23 37 13 43 Security Registers and Grilles</b> (23 37 13)		
<b>23 37 13 43-0001 Security Supply Or Return Grille</b> (23 37 13 43)		
Note: Designed for maximum security applications, 3/16" steel face plate with 2" x 2" square holes, 1/4" steel backer plate, 3/16" welded steel sleeve, 10 gauge x 2 wire mesh between face and backer plates, 1" x 1" x 3/16" angle iron frame, standard finish.		
23 37 13 43-0002 EA 8" x 4" Steel Security Grille.....	155.67	10.51
<i>For Anchoring Tabs, Add</i>		
<i>For Angle Iron Frame, Add</i>		
<i>For Rear Operated Opposed Blade Damper, Add</i>		
<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>		
<i>For 1" x 1" Square Holes On Face, Add</i>		
<i>For Stainless Steel, Add</i>		
	13.47 22.30 49.23 0.35 33.67 175.06	



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0003	EA		8" x 6" Steel Security Grille .....	172.70	10.85
			For Anchoring Tabs, Add	15.10	
			For Angle Iron Frame, Add	24.82	
			For Rear Operated Opposed Blade Damper, Add	55.02	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	37.75	
			For Stainless Steel, Add	196.29	
23 37 13 43-0004	EA		8" x 8" Steel Security Grille .....	197.94	12.26
			For Anchoring Tabs, Add	17.34	
			For Angle Iron Frame, Add	28.47	
			For Rear Operated Opposed Blade Damper, Add	63.15	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	43.36	
			For Stainless Steel, Add	225.46	
23 37 13 43-0005	EA		10" x 4" Steel Security Grille .....	172.77	11.91
			For Anchoring Tabs, Add	14.90	
			For Angle Iron Frame, Add	24.72	
			For Rear Operated Opposed Blade Damper, Add	54.51	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	37.24	
			For Stainless Steel, Add	193.64	
23 37 13 43-0006	EA		10" x 6" Steel Security Grille .....	184.37	12.61
			For Anchoring Tabs, Add	15.92	
			For Angle Iron Frame, Add	26.39	
			For Rear Operated Opposed Blade Damper, Add	58.22	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	39.79	
			For Stainless Steel, Add	206.90	
23 37 13 43-0007	EA		10" x 8" Steel Security Grille .....	210.94	13.66
			For Anchoring Tabs, Add	18.36	
			For Angle Iron Frame, Add	30.28	
			For Rear Operated Opposed Blade Damper, Add	67.00	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	45.91	
			For Stainless Steel, Add	238.72	
23 37 13 43-0008	EA		10" x 10" Steel Security Grille .....	235.50	14.72
			For Anchoring Tabs, Add	20.61	
			For Angle Iron Frame, Add	33.85	
			For Rear Operated Opposed Blade Damper, Add	75.07	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	51.52	
			For Stainless Steel, Add	267.90	
23 37 13 43-0009	EA		12" x 4" Steel Security Grille .....	181.69	13.31
			For Anchoring Tabs, Add	15.51	
			For Angle Iron Frame, Add	25.92	
			For Rear Operated Opposed Blade Damper, Add	56.94	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	38.77	
			For Stainless Steel, Add	201.59	
23 37 13 43-0010	EA		12" x 6" Steel Security Grille .....	202.85	14.72
			For Anchoring Tabs, Add	17.34	
			For Angle Iron Frame, Add	28.96	
			For Rear Operated Opposed Blade Damper, Add	63.64	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	43.36	
			For Stainless Steel, Add	225.46	
23 37 13 43-0011	EA		12" x 8" Steel Security Grille .....	231.48	15.76
			For Anchoring Tabs, Add	20.00	
			For Angle Iron Frame, Add	33.15	
			For Rear Operated Opposed Blade Damper, Add	73.14	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	49.99	
			For Stainless Steel, Add	259.95	
23 37 13 43-0012	EA		12" x 10" Steel Security Grille .....	251.94	16.81
			For Anchoring Tabs, Add	21.83	
			For Angle Iron Frame, Add	36.11	
			For Rear Operated Opposed Blade Damper, Add	79.77	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	54.58	
			For Stainless Steel, Add	283.82	
23 37 13 43-0013	EA		12" x 12" Steel Security Grille .....	278.52	17.86
			For Anchoring Tabs, Add	24.28	
			For Angle Iron Frame, Add	39.99	
			For Rear Operated Opposed Blade Damper, Add	88.55	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	60.70	
			For Stainless Steel, Add	315.64	
23 37 13 43-0014	EA		14" x 4" Steel Security Grille .....	193.98	14.36
			For Anchoring Tabs, Add	16.53	
			For Angle Iron Frame, Add	27.66	
			For Rear Operated Opposed Blade Damper, Add	60.72	
			For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
			For 1" x 1" Square Holes On Face, Add	41.32	
			For Stainless Steel, Add	214.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0015 EA 14" x 6" Steel Security Grille .....	218.53	15.41
For Anchoring Tabs, Add	18.77	
For Angle Iron Frame, Add	31.24	
For Rear Operated Opposed Blade Damper, Add	68.78	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	46.93	
For Stainless Steel, Add	244.02	
23 37 13 43-0016 EA 14" x 8" Steel Security Grille .....	243.78	16.81
For Anchoring Tabs, Add	21.02	
For Angle Iron Frame, Add	34.89	
For Rear Operated Opposed Blade Damper, Add	76.92	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	52.54	
For Stainless Steel, Add	273.21	
23 37 13 43-0017 EA 14" x 10" Steel Security Grille .....	275.15	18.21
For Anchoring Tabs, Add	23.87	
For Angle Iron Frame, Add	39.45	
For Rear Operated Opposed Blade Damper, Add	87.20	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	59.68	
For Stainless Steel, Add	310.34	
23 37 13 43-0018 EA 14" x 12" Steel Security Grille .....	303.13	19.97
For Anchoring Tabs, Add	26.32	
For Angle Iron Frame, Add	43.47	
For Rear Operated Opposed Blade Damper, Add	96.12	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	65.80	
For Stainless Steel, Add	342.17	
23 37 13 43-0019 EA 14" x 14" Steel Security Grille .....	326.33	21.37
For Anchoring Tabs, Add	28.36	
For Angle Iron Frame, Add	46.81	
For Rear Operated Opposed Blade Damper, Add	103.54	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	70.90	
For Stainless Steel, Add	368.69	
23 37 13 43-0020 EA 16" x 6" Steel Security Grille .....	233.58	16.81
For Anchoring Tabs, Add	20.00	
For Angle Iron Frame, Add	33.36	
For Rear Operated Opposed Blade Damper, Add	73.35	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	49.99	
For Stainless Steel, Add	259.95	
23 37 13 43-0021 EA 16" x 8" Steel Security Grille .....	266.99	18.21
For Anchoring Tabs, Add	23.06	
For Angle Iron Frame, Add	38.23	
For Rear Operated Opposed Blade Damper, Add	84.34	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	57.64	
For Stainless Steel, Add	299.73	
23 37 13 43-0022 EA 16" x 10" Steel Security Grille .....	288.15	19.61
For Anchoring Tabs, Add	24.89	
For Angle Iron Frame, Add	41.26	
For Rear Operated Opposed Blade Damper, Add	91.05	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	62.23	
For Stainless Steel, Add	323.60	
23 37 13 43-0023 EA 16" x 12" Steel Security Grille .....	324.93	20.66
For Anchoring Tabs, Add	28.36	
For Angle Iron Frame, Add	46.67	
For Rear Operated Opposed Blade Damper, Add	103.40	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	70.90	
For Stainless Steel, Add	368.69	
23 37 13 43-0024 EA 16" x 14" Steel Security Grille .....	344.06	22.06
For Anchoring Tabs, Add	29.99	
For Angle Iron Frame, Add	49.40	
For Rear Operated Opposed Blade Damper, Add	109.39	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	74.98	
For Stainless Steel, Add	389.91	
23 37 13 43-0025 EA 16" x 16" Steel Security Grille .....	373.39	23.46
For Anchoring Tabs, Add	32.65	
For Angle Iron Frame, Add	53.66	
For Rear Operated Opposed Blade Damper, Add	118.95	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	81.62	
For Stainless Steel, Add	424.40	
23 37 13 43-0026 EA 18" x 6" Steel Security Grille .....	247.99	18.92
For Anchoring Tabs, Add	21.02	
For Angle Iron Frame, Add	35.31	
For Rear Operated Opposed Blade Damper, Add	77.34	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	52.54	
For Stainless Steel, Add	273.21	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0027	EA		18" x 8" Steel Security Grille .....	283.43	20.32
			<i>For Anchoring Tabs, Add</i>	24.28	
			<i>For Angle Iron Frame, Add</i>	40.48	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	89.04	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	60.70	
			<i>For Stainless Steel, Add</i>	315.64	
23 37 13 43-0028	EA		18" x 10" Steel Security Grille .....	310.72	21.72
			<i>For Anchoring Tabs, Add</i>	26.73	
			<i>For Angle Iron Frame, Add</i>	44.44	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	97.89	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	66.82	
			<i>For Stainless Steel, Add</i>	347.48	
23 37 13 43-0029	EA		18" x 12" Steel Security Grille .....	342.08	23.12
			<i>For Anchoring Tabs, Add</i>	29.59	
			<i>For Angle Iron Frame, Add</i>	49.00	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	108.17	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	73.96	
			<i>For Stainless Steel, Add</i>	384.61	
23 37 13 43-0030	EA		18" x 14" Steel Security Grille .....	365.88	22.77
			<i>For Anchoring Tabs, Add</i>	32.03	
			<i>For Angle Iron Frame, Add</i>	52.61	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	116.67	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	80.09	
			<i>For Stainless Steel, Add</i>	416.44	
23 37 13 43-0031	EA		18" x 16" Steel Security Grille .....	400.61	23.82
			<i>For Anchoring Tabs, Add</i>	35.30	
			<i>For Angle Iron Frame, Add</i>	57.71	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	128.31	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	88.25	
			<i>For Stainless Steel, Add</i>	458.87	
23 37 13 43-0032	EA		18" x 18" Steel Security Grille .....	429.24	24.86
			<i>For Anchoring Tabs, Add</i>	37.95	
			<i>For Angle Iron Frame, Add</i>	61.90	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	137.80	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	94.88	
			<i>For Stainless Steel, Add</i>	493.36	
23 37 13 43-0033	EA		20" x 6" Steel Security Grille .....	265.76	20.66
			<i>For Anchoring Tabs, Add</i>	22.44	
			<i>For Angle Iron Frame, Add</i>	37.80	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	82.69	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	56.11	
			<i>For Stainless Steel, Add</i>	291.77	
23 37 13 43-0034	EA		20" x 8" Steel Security Grille .....	300.59	22.77
			<i>For Anchoring Tabs, Add</i>	25.51	
			<i>For Angle Iron Frame, Add</i>	42.81	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	93.82	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	63.76	
			<i>For Stainless Steel, Add</i>	331.57	
23 37 13 43-0035	EA		20" x 10" Steel Security Grille .....	331.24	23.82
			<i>For Anchoring Tabs, Add</i>	28.36	
			<i>For Angle Iron Frame, Add</i>	47.30	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	104.03	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	70.90	
			<i>For Stainless Steel, Add</i>	368.69	
23 37 13 43-0036	EA		20" x 12" Steel Security Grille .....	364.65	25.22
			<i>For Anchoring Tabs, Add</i>	31.42	
			<i>For Angle Iron Frame, Add</i>	52.18	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	115.02	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	78.56	
			<i>For Stainless Steel, Add</i>	408.49	
23 37 13 43-0037	EA		20" x 14" Steel Security Grille .....	401.43	26.27
			<i>For Anchoring Tabs, Add</i>	34.89	
			<i>For Angle Iron Frame, Add</i>	57.59	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	127.37	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	87.23	
			<i>For Stainless Steel, Add</i>	453.57	
23 37 13 43-0038	EA		20" x 16" Steel Security Grille .....	434.15	27.32
			<i>For Anchoring Tabs, Add</i>	37.95	
			<i>For Angle Iron Frame, Add</i>	62.39	
			<i>For Rear Operated Opposed Blade Damper, Add</i>	138.29	
			<i>For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add</i>	0.35	
			<i>For 1" x 1" Square Holes On Face, Add</i>	94.88	
			<i>For Stainless Steel, Add</i>	493.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0039 EA 20" x 18" Steel Security Grille .....	464.80	28.37
For Anchoring Tabs, Add	40.81	
For Angle Iron Frame, Add	66.88	
For Rear Operated Opposed Blade Damper, Add	148.50	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	102.02	
For Stainless Steel, Add	530.49	
23 37 13 43-0040 EA 20" x 20" Steel Security Grille .....	501.60	29.42
For Anchoring Tabs, Add	44.28	
For Angle Iron Frame, Add	72.30	
For Rear Operated Opposed Blade Damper, Add	160.85	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	110.69	
For Stainless Steel, Add	575.59	
23 37 13 43-0041 EA 24" x 6" Steel Security Grille .....	295.15	23.12
For Anchoring Tabs, Add	24.89	
For Angle Iron Frame, Add	41.96	
For Rear Operated Opposed Blade Damper, Add	91.75	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	62.23	
For Stainless Steel, Add	323.60	
23 37 13 43-0042 EA 24" x 8" Steel Security Grille .....	334.04	25.22
For Anchoring Tabs, Add	28.36	
For Angle Iron Frame, Add	47.58	
For Rear Operated Opposed Blade Damper, Add	104.31	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	70.90	
For Stainless Steel, Add	368.69	
23 37 13 43-0043 EA 24" x 10" Steel Security Grille .....	366.05	25.92
For Anchoring Tabs, Add	31.42	
For Angle Iron Frame, Add	52.32	
For Rear Operated Opposed Blade Damper, Add	115.16	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	78.56	
For Stainless Steel, Add	408.49	
23 37 13 43-0044 EA 24" x 12" Steel Security Grille .....	410.41	28.72
For Anchoring Tabs, Add	35.30	
For Angle Iron Frame, Add	58.69	
For Rear Operated Opposed Blade Damper, Add	129.29	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	88.25	
For Stainless Steel, Add	458.87	
23 37 13 43-0045 EA 24" x 14" Steel Security Grille .....	443.13	29.77
For Anchoring Tabs, Add	38.36	
For Angle Iron Frame, Add	63.49	
For Rear Operated Opposed Blade Damper, Add	140.21	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	95.90	
For Stainless Steel, Add	498.67	
23 37 13 43-0046 EA 24" x 16" Steel Security Grille .....	483.99	30.82
For Anchoring Tabs, Add	42.24	
For Angle Iron Frame, Add	69.52	
For Rear Operated Opposed Blade Damper, Add	153.99	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	105.59	
For Stainless Steel, Add	549.07	
23 37 13 43-0047 EA 24" x 18" Steel Security Grille .....	530.97	31.87
For Anchoring Tabs, Add	46.72	
For Angle Iron Frame, Add	76.46	
For Rear Operated Opposed Blade Damper, Add	169.91	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	116.81	
For Stainless Steel, Add	607.41	
23 37 13 43-0048 EA 24" x 20" Steel Security Grille .....	563.69	32.93
For Anchoring Tabs, Add	49.79	
For Angle Iron Frame, Add	81.26	
For Rear Operated Opposed Blade Damper, Add	180.83	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	124.46	
For Stainless Steel, Add	647.21	
23 37 13 43-0049 EA 24" x 24" Steel Security Grille .....	633.17	35.02
For Anchoring Tabs, Add	56.31	
For Angle Iron Frame, Add	91.47	
For Rear Operated Opposed Blade Damper, Add	204.10	
For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	0.35	
For 1" x 1" Square Holes On Face, Add	140.79	
For Stainless Steel, Add	732.08	

**23 37 23 HVAC Gravity Ventilators (23 37)**

**23 37 23 13 HVAC Gravity Dome Ventilators (23 37 23)**

**23 37 23 13-0001 Rectangular Gravity Intake/Refilif Ventilator Hood (23 37 23 13)**

Note: Includes flange base and bird screen. Excludes curb.

23 37 23 13-0002 EA 8" x 8" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) .....	531.54	40.61
23 37 23 13-0003 EA 8" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	563.25	46.50

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 37 Air Outlets And Inlets**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 37 23 13-0004	EA	8" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	704.10	57.84
23 37 23 13-0005	EA	8" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	749.99	61.55
23 37 23 13-0006	EA	8" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	875.56	71.64
23 37 23 13-0007	EA	10" x 10" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	626.25	46.22
23 37 23 13-0008	EA	12" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	689.01	52.11
23 37 23 13-0009	EA	12" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	798.36	56.03
23 37 23 13-0010	EA	12" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	871.00	67.90
23 37 23 13-0011	EA	12" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,000.92	72.83
23 37 23 13-0012	EA	12" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,130.71	77.31
23 37 23 13-0013	EA	14" x 14" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	747.25	52.73
23 37 23 13-0014	EA	14" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	851.53	60.08
23 37 23 13-0015	EA	14" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	955.82	67.44
23 37 23 13-0016	EA	14" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,077.43	76.05
23 37 23 13-0017	EA	14" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,216.50	85.85
23 37 23 13-0018	EA	16" x 16" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	903.63	63.79
23 37 23 13-0019	EA	16" x 20" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	938.41	66.25
23 37 23 13-0020	EA	16" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,042.69	73.60
23 37 23 13-0021	EA	16" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,181.69	83.40
23 37 23 13-0022	EA	16" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,320.69	93.21
23 37 23 13-0023	EA	16" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,511.87	106.72
23 37 23 13-0024	EA	18" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	898.03	62.89
23 37 23 13-0025	EA	18" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,044.95	73.18
23 37 23 13-0026	EA	18" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,191.94	83.47
23 37 23 13-0027	EA	18" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,355.20	94.89
23 37 23 13-0028	EA	18" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,502.13	105.18
23 37 23 13-0029	EA	20" x 20" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	944.66	69.75
23 37 23 13-0030	EA	20" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,068.51	78.93
23 37 23 13-0031	EA	20" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,192.42	88.03
23 37 23 13-0032	EA	20" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,378.27	101.75
23 37 23 13-0033	EA	20" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,517.62	112.05
23 37 23 13-0034	EA	24" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,193.79	93.77
23 37 23 13-0035	EA	24" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,324.79	104.06
23 37 23 13-0036	EA	24" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,514.07	118.91
23 37 23 13-0037	EA	24" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,659.65	130.33
23 37 23 13-0038	EA	24" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,819.80	142.93
23 37 23 13-0039	EA	30" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,433.14	106.72
23 37 23 13-0040	EA	30" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,579.12	117.58
23 37 23 13-0041	EA	30" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,738.41	129.42
23 37 23 13-0042	EA	30" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,897.63	141.32
23 37 23 13-0043	EA	30" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,308.97	171.93
23 37 23 13-0044	EA	30" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,468.26	183.75
23 37 23 13-0045	EA	36" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,657.63	132.42
23 37 23 13-0046	EA	36" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,818.40	145.24
23 37 23 13-0047	EA	36" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,177.15	173.88
23 37 23 13-0048	EA	36" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,424.51	193.64
23 37 23 13-0049	EA	36" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,573.01	205.53
23 37 23 13-0050	EA	36" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,770.91	221.29
23 37 23 13-0051	EA	36" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,117.30	248.96
23 37 23 13-0052	EA	42" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	1,972.60	148.25
23 37 23 13-0053	EA	42" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,449.10	184.04
23 37 23 13-0054	EA	42" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,792.67	209.88
23 37 23 13-0055	EA	42" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,892.36	217.37
23 37 23 13-0056	EA	42" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,224.83	242.30
23 37 23 13-0057	EA	42" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,546.20	266.46
23 37 23 13-0058	EA	48" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,614.02	214.01
23 37 23 13-0059	EA	48" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	2,827.67	231.52
23 37 23 13-0060	EA	48" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,041.25	249.03
23 37 23 13-0061	EA	48" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,376.90	276.47
23 37 23 13-0062	EA	48" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,569.05	280.12
23 37 23 13-0063	EA	54" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,030.57	241.26
23 37 23 13-0064	EA	54" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,399.41	270.60
23 37 23 13-0065	EA	54" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,688.54	293.63
23 37 23 13-0066	EA	54" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,927.73	312.68
23 37 23 13-0067	EA	60" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,777.22	300.36
23 37 23 13-0068	EA	60" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,969.12	320.17
23 37 23 13-0069	EA	60" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,255.68	344.75
23 37 23 13-0070	EA	66" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	3,981.83	346.37
23 37 23 13-0071	EA	66" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,656.29	405.06
23 37 23 13-0072	EA	72" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).....	4,777.46	373.47

**23 38 Ventilation Hoods** (23 30)**23 38 13 Commercial-Kitchen Hoods** (23 38)**23 38 13 13 Listed Commercial-Kitchen Hoods** (23 38 13)**23 38 13 13-0001 Universal Ventless Hood** (23 38 13 13)

23 38 13 13-0002	EA	109" Wide x 50" Deep x 102" High, Ventless Exhaust Hood With Stand, (Wells WVU-96) .....	29,646.12	300.84
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**23 38 13 16 Standard Commercial-Kitchen Hoods (23 38 13)****23 38 13 16-0001 Commercial Kitchen Hood Ventilation System (23 38 13 16)**

Note: Excludes fire suppression. See CSI section 23 34 16 00-0108 for exhaust and supply fans.

**23 38 13 16-0002 Dry Filter Exhaust Hoods (23 38 13 16-0001)**

Note: Includes stainless steel filters, exhaust damper and 48" long fluorescent light fixtures.

23 38 13 16-0003	EA	8' Long x 60" Deep Dry Filter Exhaust Hood.....	7,055.79	564.44
23 38 13 16-0004	EA	8'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	7,350.45	599.71
23 38 13 16-0005	EA	9' Long x 60" Deep Dry Filter Exhaust Hood.....	8,197.81	634.98
23 38 13 16-0006	EA	9'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	8,446.56	670.27
23 38 13 16-0007	EA	10' Long x 60" Deep Dry Filter Exhaust Hood.....	8,749.35	705.54
23 38 13 16-0008	EA	10'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	9,069.32	740.82
23 38 13 16-0009	EA	11' Long x 60" Deep Dry Filter Exhaust Hood.....	9,372.52	776.10
23 38 13 16-0010	EA	11'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	9,685.00	811.38
23 38 13 16-0011	EA	12' Long x 60" Deep Dry Filter Exhaust Hood.....	10,032.65	846.65
23 38 13 16-0012	EA	12'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	10,334.09	881.93
23 38 13 16-0013	EA	13' Long x 60" Deep Dry Filter Exhaust Hood.....	10,583.52	917.21
23 38 13 16-0014	EA	13'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	11,003.81	952.48
23 38 13 16-0015	EA	14' Long x 60" Deep Dry Filter Exhaust Hood.....	12,312.64	987.76
23 38 13 16-0016	EA	14'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	12,644.48	1,023.04
23 38 13 16-0017	EA	15" Long x 60" Deep Dry Filter Exhaust Hood.....	13,095.31	1,058.31
23 38 13 16-0018	EA	15'-6" Long x 60" Deep Dry Filter Exhaust Hood.....	13,434.61	1,093.59
23 38 13 16-0019	EA	16' Long x 60" Deep Dry Filter Exhaust Hood.....	13,941.96	1,128.87

**23 38 13 16-0020 Dry Extractor Exhaust Hoods (23 38 13 16-0001)**

Note: Includes extractor inserts, exhaust damper, 48" long fluorescent light fixtures, and UDS filler panels.

23 38 13 16-0021	EA	8' Long x 60" Deep Dry Extractor Exhaust Hood.....	9,876.82	564.44
23 38 13 16-0022	EA	8'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	10,189.34	599.71
23 38 13 16-0023	EA	9' Long x 60" Deep Dry Extractor Exhaust Hood.....	11,090.26	634.98
23 38 13 16-0024	EA	9'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	11,410.43	670.27
23 38 13 16-0025	EA	10' Long x 60" Deep Dry Extractor Exhaust Hood.....	11,731.07	705.54
23 38 13 16-0026	EA	10'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	12,033.19	740.82
23 38 13 16-0027	EA	11' Long x 60" Deep Dry Extractor Exhaust Hood.....	12,354.25	776.10
23 38 13 16-0028	EA	11'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	12,657.80	811.38
23 38 13 16-0029	EA	12' Long x 60" Deep Dry Extractor Exhaust Hood.....	12,942.95	846.65
23 38 13 16-0030	EA	12'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	13,351.52	881.93
23 38 13 16-0031	EA	13' Long x 60" Deep Dry Extractor Exhaust Hood.....	13,824.14	917.21
23 38 13 16-0032	EA	13'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	14,324.77	952.48
23 38 13 16-0033	EA	14' Long x 60" Deep Dry Extractor Exhaust Hood.....	15,374.71	987.76
23 38 13 16-0034	EA	14'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	15,885.10	1,023.04
23 38 13 16-0035	EA	15" Long x 60" Deep Dry Extractor Exhaust Hood.....	16,880.50	1,058.31
23 38 13 16-0036	EA	15'-6" Long x 60" Deep Dry Extractor Exhaust Hood.....	17,889.35	1,093.59
23 38 13 16-0037	EA	16' Long x 60" Deep Dry Extractor Exhaust Hood.....	18,887.70	1,128.87

**23 38 13 16-0038 Single Manifold Water Wash Exhaust Hoods (23 38 13 16-0001)**

Note: Includes extraction baffles, 48" long fluorescent light fixtures, and UDS filler panels. Excludes fan wash control panel.

23 38 13 16-0039	EA	8' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	10,591.01	564.44
23 38 13 16-0040	EA	8'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	10,921.38	599.71
23 38 13 16-0041	EA	9' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	11,840.16	634.98
23 38 13 16-0042	EA	9'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	12,169.25	670.27
23 38 13 16-0043	EA	10' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	12,516.68	705.54
23 38 13 16-0044	EA	10'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	12,836.65	740.82
23 38 13 16-0045	EA	11' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	13,166.63	776.10
23 38 13 16-0046	EA	11'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	13,496.97	811.38
23 38 13 16-0047	EA	12' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	13,791.05	846.65
23 38 13 16-0048	EA	12'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	14,235.33	881.93
23 38 13 16-0049	EA	13' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	14,743.65	917.21
23 38 13 16-0050	EA	13'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	15,280.00	952.48
23 38 13 16-0051	EA	14' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	16,365.64	987.76
23 38 13 16-0052	EA	14'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	16,911.74	1,023.04
23 38 13 16-0053	EA	15" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	18,005.34	1,058.31
23 38 13 16-0054	EA	15'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	18,549.97	1,093.59
23 38 13 16-0055	EA	16' Long x 60" Deep Single Manifold Water Wash Exhaust Hood.....	19,093.03	1,128.87
23 38 13 16-0056	EA	Fan Wash Control Panel.....	7,596.81	282.21

Note: Includes time clock and backflow preventer.

**23 38 13 16-0057 Utility Distribution System (UDS) (23 38 13 16-0001)**

Note: Includes "L" shaped primary riser, secondary riser, horizontal mechanical and electrical raceway; 2" IPS looped gas manifold with two (2) solenoid gas valves; 1" hot water manifold; 1" cold water manifold; 100 Amp 120-208 VAC/3 Ph/60 Hz main shunt trip connectors; equipment restraints; flexible drain connectors; and power interruption device. Excludes main shunt breaker.

23 38 13 16-0058	EA	8' Long UDS.....	25,891.07	287.02
23 38 13 16-0059	EA	8'-6" Long UDS.....	26,656.02	294.00
23 38 13 16-0060	EA	9' Long UDS.....	27,412.66	300.84
23 38 13 16-0061	EA	9'-6" Long UDS.....	28,174.85	310.44
23 38 13 16-0062	EA	10' Long UDS.....	28,933.08	318.06
23 38 13 16-0063	EA	10'-6" Long UDS.....	29,684.00	326.10

**23 Heating, Ventilating, And Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 38 Ventilation Hoods**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 38 13 16-0064	EA		11' Long UDS.....	30,446.18	331.68
23 38 13 16-0065	EA		11'-6" Long UDS.....	31,206.60	340.42
23 38 13 16-0066	EA		12' Long UDS.....	31,974.30	352.77
23 38 13 16-0067	EA		12'-6" Long UDS.....	32,750.86	369.56
23 38 13 16-0068	EA		13' Long UDS.....	33,515.55	380.43
23 38 13 16-0069	EA		13'-6" Long UDS.....	34,289.57	395.95
23 38 13 16-0070	EA		14' Long UDS.....	35,057.53	408.44
23 38 13 16-0071	EA		14'-6" Long UDS.....	35,827.12	421.77
23 38 13 16-0072	EA		15' Long UDS.....	36,598.51	436.02
23 38 13 16-0073	EA		15'-6" Long UDS.....	37,371.88	451.20
23 38 13 16-0074	EA		16' Long UDS.....	38,136.33	461.99

**23 38 13 16-0075 Stainless Steel Exhaust Hood Material** (23 38 13 16)

Note: Welded seams.

23 38 13 16-0076	SF		16 Gauge, Type 304, Stainless Steel Exhaust Hood Material .....	26.36	8.60
			<i>For Type 316 Stainless Steel, Add</i>	0.85	
23 38 13 16-0077	SF		14 Gauge, Type 304, Stainless Steel Exhaust Hood Material .....	32.96	11.46
			<i>For Type 316 Stainless Steel, Add</i>	1.07	
23 38 13 16-0078	SF		12 Gauge, Type 304, Stainless Steel Exhaust Hood Material .....	45.78	15.47
			<i>For Type 316 Stainless Steel, Add</i>	1.49	
23 38 13 16-0079	SF		10 Gauge, Type 304, Stainless Steel Exhaust Hood Material .....	57.41	18.92
			<i>For Type 316 Stainless Steel, Add</i>	1.92	

**23 40 HVAC Air Cleaning Devices** (23)

**23 41 Particulate Air Filtration** (23 40)

**23 41 13 Panel Air Filters** (23 41)

**23 41 13 00-0001 Disposable Air Filters** (23 41 13)

23 41 13 00-0002	EA		Throwaway Glass Or Paper Media Filter, Residential.....	9.42	
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**23 41 13 00-0003 Electrostatic Air Filters With Frame, Element And Busbar** (23 41 13)

23 41 13 00-0004	MF3		Electrostatic Air Filter, High Efficiency Non Supported With Frame, Element And Busbar .....	65.04	
23 41 13 00-0005	MF3		Electrostatic Air Filter, Medium Efficiency Non Supported With Frame, Element And Busbar .....	62.82	
23 41 13 00-0006	MF3		Electrostatic Air Filter, Glass/Paper Throwaway With Frame, Element And Busbar .....	2.71	

**23 41 16 Renewable-Media Air Filters** (23 41)

**23 41 16 00-0001 Renewable-Media Electrostatic Air Filters With Frame, Element And Busbar** (23 41 16)

23 41 16 00-0002	MF3		Electrostatic Air Filter, 5' Disposable Roll Renewable With Frame, Element And Busbar.....	111.93	
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**23 41 19 Washable Air Filters** (23 41)

**23 41 19 00-0001 Washable Electrostatic Air Filters With Frame, Element And Busbar** (23 41 19)

23 41 19 00-0002	MF3		Electrostatic Air Filter, Permanent, Washable With Frame, Element And Busbar .....	42.74	
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**23 41 33 High-Efficiency Particulate Filtration** (23 41)

**23 41 33 00-0001 HEPA Filters** (23 41 33)

Note: Includes particle board and kraft paper frame and separator material.

**23 41 33 00-0002 HEPA Filters DOP Efficiency-95%** (23 41 33 00-0001)

23 41 33 00-0003	EA		12" x 12" x 6" HEPA Filter, 95% DOP Efficiency, 150 CFM, Complete.....	104.38	9.81
			<i>For Removal And Replacement In Existing Equipment, Add</i>	1.96	
			<i>For &gt;10 To 25, Deduct</i>	-2.61	
			<i>For &gt;25 To 50, Deduct</i>	-5.22	
			<i>For &gt;50 To 100, Deduct</i>	-7.83	
			<i>For &gt;100, Deduct</i>	-10.44	
23 41 33 00-0004	EA		24" x 12" x 6" HEPA Filter, 95% DOP Efficiency, 375 CFM, Complete.....	140.74	11.21
			<i>For Removal And Replacement In Existing Equipment, Add</i>	2.24	
			<i>For &gt;10 To 25, Deduct</i>	-3.52	
			<i>For &gt;25 To 50, Deduct</i>	-7.04	
			<i>For &gt;50 To 100, Deduct</i>	-10.56	
			<i>For &gt;100, Deduct</i>	-14.07	
23 41 33 00-0005	EA		24" x 18" x 6" HEPA Filter, 95% DOP Efficiency, 450 CFM, Complete.....	164.89	12.96
			<i>For Removal And Replacement In Existing Equipment, Add</i>	2.59	
			<i>For &gt;10 To 25, Deduct</i>	-4.12	
			<i>For &gt;25 To 50, Deduct</i>	-8.24	
			<i>For &gt;50 To 100, Deduct</i>	-12.37	
			<i>For &gt;100, Deduct</i>	-16.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0006 EA 24" x 24" x 6" HEPA Filter, 95% DOP Efficiency, 700 CFM, Complete.....	189.06	14.72
<i>For Removal And Replacement In Existing Equipment, Add</i>	2.94	
<i>For &gt;10 To 25, Deduct</i>	-4.73	
<i>For &gt;25 To 50, Deduct</i>	-9.45	
<i>For &gt;50 To 100, Deduct</i>	-14.18	
<i>For &gt;100, Deduct</i>	-18.91	
23 41 33 00-0007 EA 12" x 12" x 12" HEPA Filter, 95% DOP Efficiency, 250 CFM, Complete.....	128.71	10.51
<i>For Removal And Replacement In Existing Equipment, Add</i>	2.10	
<i>For &gt;10 To 25, Deduct</i>	-3.22	
<i>For &gt;25 To 50, Deduct</i>	-6.44	
<i>For &gt;50 To 100, Deduct</i>	-9.65	
<i>For &gt;100, Deduct</i>	-12.87	
23 41 33 00-0008 EA 24" x 12" x 12" HEPA Filter, 95% DOP Efficiency, 500 CFM, Complete.....	174.83	12.26
<i>For Removal And Replacement In Existing Equipment, Add</i>	2.45	
<i>For &gt;10 To 25, Deduct</i>	-4.37	
<i>For &gt;25 To 50, Deduct</i>	-8.74	
<i>For &gt;50 To 100, Deduct</i>	-13.11	
<i>For &gt;100, Deduct</i>	-17.48	
23 41 33 00-0009 EA 24" x 18" x 12" HEPA Filter, 95% DOP Efficiency, 875 CFM, Complete.....	209.66	14.01
<i>For Removal And Replacement In Existing Equipment, Add</i>	2.80	
<i>For &gt;10 To 25, Deduct</i>	-5.24	
<i>For &gt;25 To 50, Deduct</i>	-10.48	
<i>For &gt;50 To 100, Deduct</i>	-15.72	
<i>For &gt;100, Deduct</i>	-20.97	
23 41 33 00-0010 EA 24" x 24" x 12" HEPA Filter, 95% DOP Efficiency, 1,000 CFM, Complete.....	247.99	17.52
<i>For Removal And Replacement In Existing Equipment, Add</i>	3.50	
<i>For &gt;10 To 25, Deduct</i>	-6.20	
<i>For &gt;25 To 50, Deduct</i>	-12.40	
<i>For &gt;50 To 100, Deduct</i>	-18.60	
<i>For &gt;100, Deduct</i>	-24.80	
<b>23 41 33 00-0011 HEPA Filters DOP Efficiency-99.99%</b> <small>(23 41 33 00-0001)</small>		
23 41 33 00-0012 EA 12" x 12" x 3" HEPA Filter, 99.99% DOP Efficiency, Complete.....	89.05	8.76
<i>For Removal And Replacement In Existing Equipment, Add</i>	1.75	
<i>For &gt;10 To 25, Deduct</i>	-2.23	
<i>For &gt;25 To 50, Deduct</i>	-4.45	
<i>For &gt;50 To 100, Deduct</i>	-6.68	
<i>For &gt;100, Deduct</i>	-8.91	
23 41 33 00-0013 EA 24" x 12" x 3" HEPA Filter, 99.99% DOP Efficiency, Complete.....	124.96	10.51
<i>For Removal And Replacement In Existing Equipment, Add</i>	2.10	
<i>For &gt;10 To 25, Deduct</i>	-3.12	
<i>For &gt;25 To 50, Deduct</i>	-6.25	
<i>For &gt;50 To 100, Deduct</i>	-9.37	
<i>For &gt;100, Deduct</i>	-12.50	
23 41 33 00-0014 EA 24" x 24" x 3" HEPA Filter, 99.99% DOP Efficiency, Complete.....	195.32	12.26
<i>For Removal And Replacement In Existing Equipment, Add</i>	2.45	
<i>For &gt;10 To 25, Deduct</i>	-4.88	
<i>For &gt;25 To 50, Deduct</i>	-9.77	
<i>For &gt;50 To 100, Deduct</i>	-14.65	
<i>For &gt;100, Deduct</i>	-19.53	
23 41 33 00-0015 EA 36" x 24" x 3" HEPA Filter, 99.99% DOP Efficiency, Complete.....	252.99	14.01
<i>For Removal And Replacement In Existing Equipment, Add</i>	2.80	
<i>For &gt;10 To 25, Deduct</i>	-6.32	
<i>For &gt;25 To 50, Deduct</i>	-12.65	
<i>For &gt;50 To 100, Deduct</i>	-18.97	
<i>For &gt;100, Deduct</i>	-25.30	
23 41 33 00-0016 EA 8" x 8" x 6" HEPA Filter, 99.99% DOP Efficiency, Complete.....	85.48	7.00
<i>For Removal And Replacement In Existing Equipment, Add</i>	1.40	
<i>For &gt;10 To 25, Deduct</i>	-2.14	
<i>For &gt;25 To 50, Deduct</i>	-4.27	
<i>For &gt;50 To 100, Deduct</i>	-6.41	
<i>For &gt;100, Deduct</i>	-8.55	
23 41 33 00-0017 EA 12" x 12" x 6" HEPA Filter, 99.99% DOP Efficiency, 150 CFM, Complete.....	113.11	9.45
<i>For Removal And Replacement In Existing Equipment, Add</i>	1.89	
<i>For &gt;10 To 25, Deduct</i>	-2.83	
<i>For &gt;25 To 50, Deduct</i>	-5.66	
<i>For &gt;50 To 100, Deduct</i>	-8.48	
<i>For &gt;100, Deduct</i>	-11.31	
23 41 33 00-0018 EA 24" x 12" x 6" HEPA Filter, 99.99% DOP Efficiency, 325 CFM, Complete.....	153.89	11.21
<i>For Removal And Replacement In Existing Equipment, Add</i>	2.24	
<i>For &gt;10 To 25, Deduct</i>	-3.85	
<i>For &gt;25 To 50, Deduct</i>	-7.69	
<i>For &gt;50 To 100, Deduct</i>	-11.54	
<i>For &gt;100, Deduct</i>	-15.39	
23 41 33 00-0019 EA 24" x 18" x 6" HEPA Filter, 99.99% DOP Efficiency, 550 CFM, Complete.....	180.68	13.13
<i>For Removal And Replacement In Existing Equipment, Add</i>	2.63	
<i>For &gt;10 To 25, Deduct</i>	-4.52	
<i>For &gt;25 To 50, Deduct</i>	-9.03	
<i>For &gt;50 To 100, Deduct</i>	-13.55	
<i>For &gt;100, Deduct</i>	-18.07	



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 40 HVAC Air Cleaning Devices****23 41 Particulate Air Filtration**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0020	EA		24" x 24" x 6" HEPA Filter, 99.99% DOP Efficiency, 775 CFM, Complete.....	206.79	14.72
			<i>For Removal And Replacement In Existing Equipment, Add</i>	2.94	
			<i>For &gt;10 To 25, Deduct</i>	-5.17	
			<i>For &gt;25 To 50, Deduct</i>	-10.34	
			<i>For &gt;50 To 100, Deduct</i>	-15.51	
			<i>For &gt;100, Deduct</i>	-20.68	
23 41 33 00-0021	EA		12" x 12" x 12" HEPA Filter, 99.99% DOP Efficiency, 250 CFM, Complete.....	140.67	10.51
			<i>For Removal And Replacement In Existing Equipment, Add</i>	2.10	
			<i>For &gt;10 To 25, Deduct</i>	-3.52	
			<i>For &gt;25 To 50, Deduct</i>	-7.03	
			<i>For &gt;50 To 100, Deduct</i>	-10.55	
			<i>For &gt;100, Deduct</i>	-14.07	
23 41 33 00-0022	EA		24" x 12" x 12" HEPA Filter, 99.99% DOP Efficiency, 500 CFM, Complete.....	191.54	12.26
			<i>For Removal And Replacement In Existing Equipment, Add</i>	2.45	
			<i>For &gt;10 To 25, Deduct</i>	-4.79	
			<i>For &gt;25 To 50, Deduct</i>	-9.58	
			<i>For &gt;50 To 100, Deduct</i>	-14.37	
			<i>For &gt;100, Deduct</i>	-19.15	
23 41 33 00-0023	EA		24" x 18" x 12" HEPA Filter, 99.99% DOP Efficiency, 775 CFM, Complete.....	229.85	14.01
			<i>For Removal And Replacement In Existing Equipment, Add</i>	2.80	
			<i>For &gt;10 To 25, Deduct</i>	-5.75	
			<i>For &gt;25 To 50, Deduct</i>	-11.49	
			<i>For &gt;50 To 100, Deduct</i>	-17.24	
			<i>For &gt;100, Deduct</i>	-22.99	
23 41 33 00-0024	EA		24" x 24" x 12" HEPA Filter, 99.99% DOP Efficiency, 1,100 CFM, Complete.....	282.91	17.52
			<i>For Removal And Replacement In Existing Equipment, Add</i>	3.50	
			<i>For &gt;10 To 25, Deduct</i>	-7.07	
			<i>For &gt;25 To 50, Deduct</i>	-14.15	
			<i>For &gt;50 To 100, Deduct</i>	-21.22	
			<i>For &gt;100, Deduct</i>	-28.29	
23 41 33 00-0025			<b>HEPA Filter Housings, 14 Gauge Galvanized Sheet Metal</b> <small>(23 41 33)</small>		
			Note: Nominal sizes.		
23 41 33 00-0026	EA		12" x 12" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal.....	225.80	52.25
23 41 33 00-0027	EA		24" x 12" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal.....	413.46	103.86
23 41 33 00-0028	EA		24" x 18" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal.....	421.63	103.86
23 41 33 00-0029	EA		24" x 24" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal.....	427.08	103.86
23 41 33 00-0030	EA		24" x 48" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal.....	465.22	103.86
23 41 33 00-0031	EA		24" x 72" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal.....	512.90	103.86
23 41 33 00-0032	EA		48" x 48" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal.....	794.22	208.35
23 41 33 00-0033	EA		48" x 72" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal.....	910.00	208.35
23 41 33 00-0034	EA		48" x 96" x 6" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal.....	1,057.11	208.35
23 41 33 00-0035	EA		12" x 12" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal.....	248.96	52.25
23 41 33 00-0036	EA		24" x 12" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal.....	452.96	103.86
23 41 33 00-0037	EA		24" x 18" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal.....	462.50	103.86
23 41 33 00-0038	EA		24" x 24" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal.....	469.31	103.86
23 41 33 00-0039	EA		24" x 48" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal.....	514.26	103.86
23 41 33 00-0040	EA		24" x 72" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal.....	574.19	103.86
23 41 33 00-0041	EA		48" x 48" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal.....	889.57	208.35
23 41 33 00-0042	EA		48" x 72" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal.....	1,033.96	208.35
23 41 33 00-0043	EA		48" x 96" x 12" HEPA Filter Housings 14 Gauge Galvanized Sheet Metal.....	1,216.48	208.35
23 41 33 00-0044			<b>Filter, Bag Type, 90-95% Efficiency</b> <small>(23 41 33)</small>		
23 41 33 00-0045	EA		0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 90 - 95% Efficiency.....	176.08	67.73
23 41 33 00-0046	EA		1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 90 - 95% Efficiency.....	214.19	67.73
23 41 33 00-0047			<b>Filter, Bag Type, 80-85% Efficiency</b> <small>(23 41 33)</small>		
23 41 33 00-0048	EA		0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 80 - 85% Efficiency.....	171.70	67.73
23 41 33 00-0049	EA		1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 80 - 85% Efficiency.....	199.82	67.73
23 42			<b>Gas-Phase Air Filtration</b> <small>(23 40)</small>		
23 42 13			<b>Activated-Carbon Air Filtration</b> <small>(23 42)</small>		
23 42 13 00-0001	EA		12" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	37.67	5.25
23 42 13 00-0002	EA		16" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	38.14	5.25
23 42 13 00-0003	EA		16" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	38.43	5.25
23 42 13 00-0004	EA		20" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	38.43	5.25
23 42 13 00-0005	EA		20" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	42.00	5.25
23 42 13 00-0006	EA		24" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter.....	47.88	5.25
23 42 13 00-0007	EA		12" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	48.10	5.96
23 42 13 00-0008	EA		16" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	48.50	5.96
23 42 13 00-0009	EA		16" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	48.84	5.96
23 42 13 00-0010	EA		20" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	48.84	5.96
23 42 13 00-0011	EA		20" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	52.79	5.96
23 42 13 00-0012	EA		24" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	63.80	5.96
23 42 13 00-0013	EA		16" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter.....	21.32	5.25
23 42 13 00-0014	EA		16" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter.....	23.02	5.25
23 42 13 00-0015	EA		20" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter.....	23.08	5.25



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 42 13 00-0016 EA 20" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter.....	25.31	5.25
23 42 13 00-0017 EA 24" x 24" x 1" Thick Carbon Impregnated Pleated Air Filter.....	27.28	5.25
23 42 13 00-0018 EA 16" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter.....	24.78	5.96
23 42 13 00-0019 EA 16" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter.....	27.74	5.96
23 42 13 00-0020 EA 20" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter.....	28.37	5.96
23 42 13 00-0021 EA 20" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter.....	32.04	5.96
23 42 13 00-0022 EA 24" x 24" x 2" Thick Carbon Impregnated Pleated Air Filter.....	34.38	5.96
23 42 13 00-0023 EA 24" x 24" x 4" Thick Carbon Impregnated Pleated Air Filter.....	59.19	6.31

## 23 50 Central Heating Equipment <sup>(23)</sup>

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0010 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

### 23 51 Breechings, Chimneys, And Stacks <sup>(23 50)</sup>

#### 23 51 13 Draft Control Devices <sup>(23 51)</sup>

##### 23 51 13 13 Draft-Induction Fans <sup>(23 51 13)</sup>

##### 23 51 13 13-0001 Vertical Discharge Fans <sup>(23 51 13 13)</sup>

Note: Includes chimney adapter. Excludes wiring.

##### 23 51 13 13-0002 Axial Vane Vertical Discharge Fans <sup>(23 51 13 13-0001)</sup>

23 51 13 13-0003 EA 450 CFM Vertical Discharge Chimney Fan, Axial Vane.....	1,997.93	141.91
23 51 13 13-0004 EA 950 CFM Vertical Discharge Chimney Fan, Axial Vane.....	2,265.70	154.82
23 51 13 13-0005 EA 1,400 CFM Vertical Discharge Chimney Fan, Axial Vane.....	2,721.39	170.93
23 51 13 13-0006 EA 1,800 CFM Vertical Discharge Chimney Fan, Axial Vane.....	3,559.40	198.35

##### 23 51 13 13-0007 Centrifugal Impeller Vertical Discharge Fans <sup>(23 51 13 13-0001)</sup>

23 51 13 13-0008 EA 700 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	2,403.53	154.82
23 51 13 13-0009 EA 1,100 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	2,933.20	170.93
23 51 13 13-0010 EA 2,300 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	3,811.36	199.97
23 51 13 13-0011 EA 3,000 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	4,515.12	224.15

##### 23 51 13 13-0012 Accessories For Vertical Discharge Fans <sup>(23 51 13 13-0001)</sup>

23 51 13 13-0013 EA Modulating Fan Controller And Sensor.....	278.24	48.38
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#### 23 51 13 16 Vent Dampers <sup>(23 51 13)</sup>

##### 23 51 13 16-0001 Flue Shutter Draft Control Damper, Parallel Blade <sup>(23 51 13 16)</sup>

23 51 13 16-0002 EA 3" Round Flue Shutter Draft Control Damper .....	315.16	28.64
23 51 13 16-0003 EA 4" Round Flue Shutter Draft Control Damper .....	343.47	30.38
23 51 13 16-0004 EA 5" Round Flue Shutter Draft Control Damper .....	376.55	32.25
23 51 13 16-0005 EA 6" Round Flue Shutter Draft Control Damper .....	402.18	34.40
23 51 13 16-0006 EA 7" Round Flue Shutter Draft Control Damper .....	437.64	36.85
23 51 13 16-0007 EA 8" Round Flue Shutter Draft Control Damper .....	466.00	39.67
23 51 13 16-0008 EA 10" Round Flue Shutter Draft Control Damper .....	513.47	43.01
23 51 13 16-0009 EA 12" Round Flue Shutter Draft Control Damper .....	563.17	46.90
23 51 13 16-0010 EA 14" Round Flue Shutter Draft Control Damper .....	623.61	49.18
23 51 13 16-0011 EA 16" Round Flue Shutter Draft Control Damper .....	667.40	51.61
23 51 13 16-0012 EA 18" Round Flue Shutter Draft Control Damper .....	724.66	54.19
23 51 13 16-0013 EA 20" Round Flue Shutter Draft Control Damper .....	902.25	85.79
23 51 13 16-0014 EA 22" Round Flue Shutter Draft Control Damper .....	983.31	91.12
23 51 13 16-0015 EA 24" Round Flue Shutter Draft Control Damper .....	1,061.44	96.75
23 51 13 16-0016 EA 26" Round Flue Shutter Draft Control Damper .....	1,082.79	99.98
23 51 13 16-0017 EA 28" Round Flue Shutter Draft Control Damper .....	1,117.05	103.21
23 51 13 16-0018 EA 30" Round Flue Shutter Draft Control Damper .....	1,155.66	109.66
23 51 13 16-0019 EA 32" Round Flue Shutter Draft Control Damper .....	1,202.78	112.81
23 51 13 16-0020 EA 34" Round Flue Shutter Draft Control Damper .....	1,258.27	119.26
23 51 13 16-0021 EA 36" Round Flue Shutter Draft Control Damper .....	1,326.97	129.01
23 51 13 16-0022 EA 38" Round Flue Shutter Draft Control Damper .....	1,389.72	133.44
23 51 13 16-0023 EA 40" Round Flue Shutter Draft Control Damper .....	1,443.33	135.46
23 51 13 16-0024 EA 42" Round Flue Shutter Draft Control Damper .....	1,513.80	141.91
23 51 13 16-0025 EA 44" Round Flue Shutter Draft Control Damper .....	1,584.60	148.36
23 51 13 16-0026 EA 46" Round Flue Shutter Draft Control Damper .....	1,655.55	154.82
23 51 13 16-0027 EA 48" Round Flue Shutter Draft Control Damper .....	1,726.27	161.26

#### 23 51 13 19 Barometric Dampers <sup>(23 51 13)</sup>

##### 23 51 13 19-0001 Barometric Dampers <sup>(23 51 13 19)</sup>

23 51 13 19-0002 EA 6" x 6" Barometric Damper .....	128.76	5.61
23 51 13 19-0003 EA 12" x 12" Barometric Damper .....	185.19	7.70
23 51 13 19-0004 EA 18" x 18" Barometric Damper .....	252.27	11.91
23 51 13 19-0005 EA 24" x 24" Barometric Damper .....	320.47	22.41
23 51 13 19-0006 EA 6" Diameter Barometric Damper .....	69.25	5.61

For Stainless Steel, Add

61.76

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 13 19-0007	EA		7" Diameter Barometric Damper .....	81.65	6.30
			<i>For Stainless Steel, Add</i>	73.37	
23 51 13 19-0008	EA		8" Diameter Barometric Damper .....	94.77	7.01
			<i>For Stainless Steel, Add</i>	85.10	
23 51 13 19-0009	EA		9" Diameter Barometric Damper .....	113.73	7.01
			<i>For Stainless Steel, Add</i>	107.80	
23 51 13 19-0010	EA		10" Diameter Barometric Damper .....	145.29	8.40
			<i>For Stainless Steel, Add</i>	146.86	
23 51 13 19-0011	EA		12" Diameter Barometric Damper .....	181.72	9.10
			<i>For Stainless Steel, Add</i>	189.41	
23 51 13 19-0012	EA		14" Diameter Barometric Damper .....	225.21	9.80
			<i>For Stainless Steel, Add</i>	241.57	
23 51 13 19-0013	EA		15" Diameter Barometric Damper .....	266.81	10.51
			<i>For Stainless Steel, Add</i>	290.34	
23 51 13 19-0014	EA		16" Diameter Barometric Damper .....	307.46	11.91
			<i>For Stainless Steel, Add</i>	339.01	
23 51 13 19-0015	EA		18" Diameter Barometric Damper .....	398.83	12.60
			<i>For Stainless Steel, Add</i>	452.93	
23 51 13 19-0016	EA		20" Diameter Barometric Damper .....	471.85	14.00
			<i>For Stainless Steel, Add</i>	542.15	
23 51 13 19-0017	EA		24" Diameter Barometric Damper .....	564.08	14.00
			<i>For Stainless Steel, Add</i>	658.81	
23 51 13 19-0018	EA		30" Diameter Barometric Damper .....	691.23	16.11
			<i>For Stainless Steel, Add</i>	816.66	
23 51 13 19-0019	EA		36" Diameter Barometric Damper .....	874.02	16.81
			<i>For Stainless Steel, Add</i>	1,049.98	
<b>23 51 16</b>			<b>Fabricated Breechings And Accessories</b> (23 51)		
23 51 16 00-0001			Round Galvanized Double Wall Flue/Vent Pipe And Fittings (23 51 16)		
23 51 16 00-0002			Round Galvanized Double Wall Flue/Vent Pipe (23 51 16 00-0001)		
23 51 16 00-0003	LF		3" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe .....	18.52	5.74
			<i>For Aluminum Liner, Add</i>	0.23	
			<i>For Stainless Steel Liner, Add</i>	0.32	
			<i>For 2" Wall Instead Of 1", Add</i>	2.69	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	4.75	
			<i>For Type BW, Add</i>	0.25	
			<i>For Type L, Add</i>	0.53	
			<i>For Positive Pressure Joints, Add</i>	2.57	
23 51 16 00-0004	LF		4" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe .....	19.95	6.06
			<i>For Aluminum Liner, Add</i>	0.28	
			<i>For Stainless Steel Liner, Add</i>	0.39	
			<i>For 2" Wall Instead Of 1", Add</i>	3.03	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	5.28	
			<i>For Type BW, Add</i>	0.31	
			<i>For Type L, Add</i>	0.64	
			<i>For Positive Pressure Joints, Add</i>	2.74	
23 51 16 00-0005	LF		5" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe .....	22.06	6.45
			<i>For Aluminum Liner, Add</i>	0.34	
			<i>For Stainless Steel Liner, Add</i>	0.46	
			<i>For 2" Wall Instead Of 1", Add</i>	3.43	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	5.94	
			<i>For Type BW, Add</i>	0.37	
			<i>For Type L, Add</i>	0.76	
			<i>For Positive Pressure Joints, Add</i>	3.00	
23 51 16 00-0006	LF		6" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe .....	24.10	6.90
			<i>For Aluminum Liner, Add</i>	0.39	
			<i>For Stainless Steel Liner, Add</i>	0.53	
			<i>For 2" Wall Instead Of 1", Add</i>	3.83	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	6.59	
			<i>For Type BW, Add</i>	0.43	
			<i>For Type L, Add</i>	0.89	
			<i>For Positive Pressure Joints, Add</i>	3.26	
23 51 16 00-0007	LF		7" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe .....	28.48	7.35
			<i>For Aluminum Liner, Add</i>	0.57	
			<i>For Stainless Steel Liner, Add</i>	0.78	
			<i>For 2" Wall Instead Of 1", Add</i>	4.94	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	8.31	
			<i>For Type BW, Add</i>	0.63	
			<i>For Type L, Add</i>	1.31	
			<i>For Positive Pressure Joints, Add</i>	3.75	
23 51 16 00-0008	LF		8" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe .....	31.64	7.94
			<i>For Aluminum Liner, Add</i>	0.64	
			<i>For Stainless Steel Liner, Add</i>	0.87	
			<i>For 2" Wall Instead Of 1", Add</i>	5.49	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	9.23	
			<i>For Type BW, Add</i>	0.70	
			<i>For Type L, Add</i>	1.45	
			<i>For Positive Pressure Joints, Add</i>	4.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0009 LF 10" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	46.21	8.51
For Aluminum Liner, Add	1.35	
For Stainless Steel Liner, Add	1.84	
For 2" Wall Instead Of 1", Add	9.53	
For 3" To 4" Wall Instead Of 1", Add	15.38	
For Type BW, Add	1.47	
For Type L, Add	3.07	
For Positive Pressure Joints, Add	5.70	
23 51 16 00-0010 LF 12" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	56.42	9.42
For Aluminum Liner, Add	1.81	
For Stainless Steel Liner, Add	2.47	
For 2" Wall Instead Of 1", Add	12.23	
For 3" To 4" Wall Instead Of 1", Add	19.52	
For Type BW, Add	1.98	
For Type L, Add	4.12	
For Positive Pressure Joints, Add	6.82	
23 51 16 00-0011 LF 14" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	79.89	9.80
For Aluminum Liner, Add	3.04	
For Stainless Steel Liner, Add	4.15	
For 2" Wall Instead Of 1", Add	19.05	
For 3" To 4" Wall Instead Of 1", Add	29.81	
For Type BW, Add	3.32	
For Type L, Add	6.92	
For Positive Pressure Joints, Add	9.22	
23 51 16 00-0012 LF 16" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	100.27	10.32
For Aluminum Liner, Add	4.10	
For Stainless Steel Liner, Add	5.59	
For 2" Wall Instead Of 1", Add	24.94	
For 3" To 4" Wall Instead Of 1", Add	38.70	
For Type BW, Add	4.47	
For Type L, Add	9.32	
For Positive Pressure Joints, Add	11.31	
23 51 16 00-0013 LF 18" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	123.72	10.83
For Aluminum Liner, Add	5.30	
For Stainless Steel Liner, Add	7.23	
For 2" Wall Instead Of 1", Add	31.64	
For 3" To 4" Wall Instead Of 1", Add	48.83	
For Type BW, Add	5.78	
For Type L, Add	12.04	
For Positive Pressure Joints, Add	13.74	
23 51 16 00-0014 LF 20" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	156.86	17.22
For Aluminum Liner, Add	6.29	
For Stainless Steel Liner, Add	8.58	
For 2" Wall Instead Of 1", Add	38.56	
For 3" To 4" Wall Instead Of 1", Add	59.96	
For Type BW, Add	6.86	
For Type L, Add	14.30	
For Positive Pressure Joints, Add	17.81	
23 51 16 00-0015 LF 22" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	190.10	18.19
For Aluminum Liner, Add	7.93	
For Stainless Steel Liner, Add	10.81	
For 2" Wall Instead Of 1", Add	47.85	
For 3" To 4" Wall Instead Of 1", Add	74.07	
For Type BW, Add	8.65	
For Type L, Add	18.02	
For Positive Pressure Joints, Add	21.31	
23 51 16 00-0016 LF 24" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	226.52	19.35
For Aluminum Liner, Add	9.78	
For Stainless Steel Liner, Add	13.33	
For 2" Wall Instead Of 1", Add	58.20	
For 3" To 4" Wall Instead Of 1", Add	89.74	
For Type BW, Add	10.67	
For Type L, Add	22.22	
For Positive Pressure Joints, Add	25.09	
23 51 16 00-0017 LF 26" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	263.73	19.99
For Aluminum Liner, Add	11.76	
For Stainless Steel Liner, Add	16.04	
For 2" Wall Instead Of 1", Add	69.13	
For 3" To 4" Wall Instead Of 1", Add	106.20	
For Type BW, Add	12.83	
For Type L, Add	26.73	
For Positive Pressure Joints, Add	28.87	
23 51 16 00-0018 LF 28" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	276.57	20.64
For Aluminum Liner, Add	12.37	
For Stainless Steel Liner, Add	16.87	
For 2" Wall Instead Of 1", Add	72.66	
For 3" To 4" Wall Instead Of 1", Add	111.56	
For Type BW, Add	13.50	
For Type L, Add	28.12	
For Positive Pressure Joints, Add	30.24	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)**

**23 50 Central Heating Equipment**

**23 51 Breechings, Chimneys, And Stacks**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0019	LF		30" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	293.89	22.12
			<i>For Aluminum Liner, Add</i>	13.13	
			<i>For Stainless Steel Liner, Add</i>	17.90	
			<i>For 2" Wall Instead Of 1", Add</i>	77.12	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	118.44	
			<i>For Type BW, Add</i>	14.32	
			<i>For Type L, Add</i>	29.83	
			<i>For Positive Pressure Joints, Add</i>	32.15	
23 51 16 00-0020	LF		32" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	333.23	22.97
			<i>For Aluminum Liner, Add</i>	15.18	
			<i>For Stainless Steel Liner, Add</i>	20.70	
			<i>For 2" Wall Instead Of 1", Add</i>	88.51	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	135.63	
			<i>For Type BW, Add</i>	16.56	
			<i>For Type L, Add</i>	34.49	
			<i>For Positive Pressure Joints, Add</i>	36.19	
23 51 16 00-0021	LF		34" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	373.97	23.81
			<i>For Aluminum Liner, Add</i>	17.30	
			<i>For Stainless Steel Liner, Add</i>	23.59	
			<i>For 2" Wall Instead Of 1", Add</i>	100.30	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	153.42	
			<i>For Type BW, Add</i>	18.87	
			<i>For Type L, Add</i>	39.31	
			<i>For Positive Pressure Joints, Add</i>	40.37	
23 51 16 00-0022	LF		36" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	393.74	24.77
			<i>For Aluminum Liner, Add</i>	18.25	
			<i>For Stainless Steel Liner, Add</i>	24.89	
			<i>For 2" Wall Instead Of 1", Add</i>	105.75	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	161.72	
			<i>For Type BW, Add</i>	19.91	
			<i>For Type L, Add</i>	41.49	
			<i>For Positive Pressure Joints, Add</i>	42.47	
23 51 16 00-0023	LF		38" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	427.40	25.80
			<i>For Aluminum Liner, Add</i>	19.96	
			<i>For Stainless Steel Liner, Add</i>	27.22	
			<i>For 2" Wall Instead Of 1", Add</i>	115.33	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	176.22	
			<i>For Type BW, Add</i>	21.78	
			<i>For Type L, Add</i>	45.37	
			<i>For Positive Pressure Joints, Add</i>	45.96	
23 51 16 00-0024	LF		40" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	471.27	26.90
			<i>For Aluminum Liner, Add</i>	22.22	
			<i>For Stainless Steel Liner, Add</i>	30.30	
			<i>For 2" Wall Instead Of 1", Add</i>	127.93	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	195.25	
			<i>For Type BW, Add</i>	24.24	
			<i>For Type L, Add</i>	50.50	
			<i>For Positive Pressure Joints, Add</i>	50.49	
23 51 16 00-0025	LF		42" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	493.02	28.12
			<i>For Aluminum Liner, Add</i>	23.24	
			<i>For Stainless Steel Liner, Add</i>	31.70	
			<i>For 2" Wall Instead Of 1", Add</i>	133.83	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	204.26	
			<i>For Type BW, Add</i>	25.36	
			<i>For Type L, Add</i>	52.83	
			<i>For Positive Pressure Joints, Add</i>	52.82	
23 51 16 00-0026	LF		44" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	546.09	29.47
			<i>For Aluminum Liner, Add</i>	25.98	
			<i>For Stainless Steel Liner, Add</i>	35.43	
			<i>For 2" Wall Instead Of 1", Add</i>	149.08	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	227.31	
			<i>For Type BW, Add</i>	28.34	
			<i>For Type L, Add</i>	59.04	
			<i>For Positive Pressure Joints, Add</i>	58.30	
23 51 16 00-0027	LF		46" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	593.28	30.97
			<i>For Aluminum Liner, Add</i>	28.37	
			<i>For Stainless Steel Liner, Add</i>	38.69	
			<i>For 2" Wall Instead Of 1", Add</i>	162.50	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	247.62	
			<i>For Type BW, Add</i>	30.95	
			<i>For Type L, Add</i>	64.48	
			<i>For Positive Pressure Joints, Add</i>	63.20	
23 51 16 00-0028	LF		48" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	653.12	32.57
			<i>For Aluminum Liner, Add</i>	31.45	
			<i>For Stainless Steel Liner, Add</i>	42.89	
			<i>For 2" Wall Instead Of 1", Add</i>	179.67	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	273.57	
			<i>For Type BW, Add</i>	34.31	
			<i>For Type L, Add</i>	71.48	
			<i>For Positive Pressure Joints, Add</i>	69.38	

23 51 16 00-0029 90 Degree Elbows (23 51 16 00-0001)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0030 EA 3" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	47.71	11.48
For Aluminum Liner, Add	1.06	
For Stainless Steel Liner, Add	1.44	
For 2" Wall Instead Of 1", Add	8.62	
For 3" To 4" Wall Instead Of 1", Add	14.36	
For Type BW, Add	1.16	
For Type L, Add	2.41	
For Positive Pressure Joints, Add	6.19	
23 51 16 00-0031 EA 4" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	52.97	12.12
For Aluminum Liner, Add	1.25	
For Stainless Steel Liner, Add	1.70	
For 2" Wall Instead Of 1", Add	9.84	
For 3" To 4" Wall Instead Of 1", Add	16.28	
For Type BW, Add	1.36	
For Type L, Add	2.84	
For Positive Pressure Joints, Add	6.81	
23 51 16 00-0032 EA 5" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	59.25	12.90
For Aluminum Liner, Add	1.49	
For Stainless Steel Liner, Add	2.04	
For 2" Wall Instead Of 1", Add	11.35	
For 3" To 4" Wall Instead Of 1", Add	18.64	
For Type BW, Add	1.63	
For Type L, Add	3.39	
For Positive Pressure Joints, Add	7.53	
23 51 16 00-0033 EA 6" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	65.66	13.74
For Aluminum Liner, Add	1.73	
For Stainless Steel Liner, Add	2.37	
For 2" Wall Instead Of 1", Add	12.87	
For 3" To 4" Wall Instead Of 1", Add	21.02	
For Type BW, Add	1.89	
For Type L, Add	3.94	
For Positive Pressure Joints, Add	8.27	
23 51 16 00-0034 EA 7" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	78.74	14.71
For Aluminum Liner, Add	2.32	
For Stainless Steel Liner, Add	3.16	
For 2" Wall Instead Of 1", Add	16.31	
For 3" To 4" Wall Instead Of 1", Add	26.29	
For Type BW, Add	2.53	
For Type L, Add	5.27	
For Positive Pressure Joints, Add	9.70	
23 51 16 00-0035 EA 8" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	92.50	15.87
For Aluminum Liner, Add	2.91	
For Stainless Steel Liner, Add	3.96	
For 2" Wall Instead Of 1", Add	19.82	
For 3" To 4" Wall Instead Of 1", Add	31.71	
For Type BW, Add	3.17	
For Type L, Add	6.60	
For Positive Pressure Joints, Add	11.23	
23 51 16 00-0036 EA 10" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	164.64	17.22
For Aluminum Liner, Add	6.68	
For Stainless Steel Liner, Add	9.11	
For 2" Wall Instead Of 1", Add	40.77	
For 3" To 4" Wall Instead Of 1", Add	63.31	
For Type BW, Add	7.29	
For Type L, Add	15.19	
For Positive Pressure Joints, Add	18.62	
23 51 16 00-0037 EA 12" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	200.09	18.77
For Aluminum Liner, Add	8.43	
For Stainless Steel Liner, Add	11.49	
For 2" Wall Instead Of 1", Add	50.65	
For 3" To 4" Wall Instead Of 1", Add	78.32	
For Type BW, Add	9.19	
For Type L, Add	19.15	
For Positive Pressure Joints, Add	22.35	
23 51 16 00-0038 EA 14" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	260.99	19.67
For Aluminum Liner, Add	11.65	
For Stainless Steel Liner, Add	15.89	
For 2" Wall Instead Of 1", Add	68.47	
For 3" To 4" Wall Instead Of 1", Add	105.16	
For Type BW, Add	12.71	
For Type L, Add	26.48	
For Positive Pressure Joints, Add	28.56	
23 51 16 00-0039 EA 16" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	321.99	20.64
For Aluminum Liner, Add	14.88	
For Stainless Steel Liner, Add	20.29	
For 2" Wall Instead Of 1", Add	86.30	
For 3" To 4" Wall Instead Of 1", Add	132.02	
For Type BW, Add	16.23	
For Type L, Add	33.81	
For Positive Pressure Joints, Add	34.77	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0040 EA 18" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	417.83	21.74
For Aluminum Liner, Add	19.99	
For Stainless Steel Liner, Add	27.26	
For 2" Wall Instead Of 1", Add	114.48	
For 3" To 4" Wall Instead Of 1", Add	174.43	
For Type BW, Add	21.81	
For Type L, Add	45.43	
For Positive Pressure Joints, Add	44.50	
23 51 16 00-0041 EA 20" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	587.93	34.38
For Aluminum Liner, Add	27.60	
For Stainless Steel Liner, Add	37.64	
For 2" Wall Instead Of 1", Add	159.17	
For 3" To 4" Wall Instead Of 1", Add	243.06	
For Type BW, Add	30.11	
For Type L, Add	62.74	
For Positive Pressure Joints, Add	63.10	
23 51 16 00-0042 EA 22" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	777.89	36.44
For Aluminum Liner, Add	37.77	
For Stainless Steel Liner, Add	51.51	
For 2" Wall Instead Of 1", Add	215.15	
For 3" To 4" Wall Instead Of 1", Add	327.27	
For Type BW, Add	41.21	
For Type L, Add	85.85	
For Positive Pressure Joints, Add	82.34	
23 51 16 00-0043 EA 24" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	878.73	38.70
For Aluminum Liner, Add	43.00	
For Stainless Steel Liner, Add	58.64	
For 2" Wall Instead Of 1", Add	244.25	
For 3" To 4" Wall Instead Of 1", Add	371.21	
For Type BW, Add	46.91	
For Type L, Add	97.73	
For Positive Pressure Joints, Add	92.72	
<b>23 51 16 00-0044 45 Degree Elbows</b> <small>(23 51 16 00-0001)</small>		
23 51 16 00-0045 EA 3" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	39.73	11.48
For Aluminum Liner, Add	0.61	
For Stainless Steel Liner, Add	0.83	
For 2" Wall Instead Of 1", Add	6.19	
For 3" To 4" Wall Instead Of 1", Add	10.72	
For Type BW, Add	0.67	
For Type L, Add	1.39	
For Positive Pressure Joints, Add	5.41	
23 51 16 00-0046 EA 4" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	43.46	12.12
For Aluminum Liner, Add	0.72	
For Stainless Steel Liner, Add	0.98	
For 2" Wall Instead Of 1", Add	6.96	
For 3" To 4" Wall Instead Of 1", Add	11.96	
For Type BW, Add	0.78	
For Type L, Add	1.64	
For Positive Pressure Joints, Add	5.87	
23 51 16 00-0047 EA 5" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	47.65	12.90
For Aluminum Liner, Add	0.85	
For Stainless Steel Liner, Add	1.15	
For 2" Wall Instead Of 1", Add	7.84	
For 3" To 4" Wall Instead Of 1", Add	13.38	
For Type BW, Add	0.92	
For Type L, Add	1.92	
For Positive Pressure Joints, Add	6.38	
23 51 16 00-0048 EA 6" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	52.82	13.74
For Aluminum Liner, Add	1.01	
For Stainless Steel Liner, Add	1.38	
For 2" Wall Instead Of 1", Add	8.97	
For 3" To 4" Wall Instead Of 1", Add	15.17	
For Type BW, Add	1.11	
For Type L, Add	2.30	
For Positive Pressure Joints, Add	7.00	
23 51 16 00-0049 EA 7" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	63.26	14.71
For Aluminum Liner, Add	1.45	
For Stainless Steel Liner, Add	1.98	
For 2" Wall Instead Of 1", Add	11.61	
For 3" To 4" Wall Instead Of 1", Add	19.25	
For Type BW, Add	1.58	
For Type L, Add	3.30	
For Positive Pressure Joints, Add	8.17	
23 51 16 00-0050 EA 8" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	70.05	15.87
For Aluminum Liner, Add	1.67	
For Stainless Steel Liner, Add	2.28	
For 2" Wall Instead Of 1", Add	13.08	
For 3" To 4" Wall Instead Of 1", Add	21.61	
For Type BW, Add	1.82	
For Type L, Add	3.80	
For Positive Pressure Joints, Add	8.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0051 EA 10" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	118.95	17.22
<i>For Aluminum Liner, Add</i>	4.18	
<i>For Stainless Steel Liner, Add</i>	5.70	
<i>For 2" Wall Instead Of 1", Add</i>	27.08	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	42.78	
<i>For Type BW, Add</i>	4.56	
<i>For Type L, Add</i>	9.49	
<i>For Positive Pressure Joints, Add</i>	14.05	
23 51 16 00-0052 EA 12" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	142.65	18.77
<i>For Aluminum Liner, Add</i>	5.27	
<i>For Stainless Steel Liner, Add</i>	7.18	
<i>For 2" Wall Instead Of 1", Add</i>	33.42	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	52.47	
<i>For Type BW, Add</i>	5.75	
<i>For Type L, Add</i>	11.97	
<i>For Positive Pressure Joints, Add</i>	16.61	
23 51 16 00-0053 EA 14" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	183.87	19.67
<i>For Aluminum Liner, Add</i>	7.41	
<i>For Stainless Steel Liner, Add</i>	10.10	
<i>For 2" Wall Instead Of 1", Add</i>	45.33	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	70.45	
<i>For Type BW, Add</i>	8.08	
<i>For Type L, Add</i>	16.84	
<i>For Positive Pressure Joints, Add</i>	20.85	
23 51 16 00-0054 EA 16" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	220.63	20.64
<i>For Aluminum Liner, Add</i>	9.30	
<i>For Stainless Steel Liner, Add</i>	12.68	
<i>For 2" Wall Instead Of 1", Add</i>	55.87	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	86.39	
<i>For Type BW, Add</i>	10.14	
<i>For Type L, Add</i>	21.13	
<i>For Positive Pressure Joints, Add</i>	24.64	
23 51 16 00-0055 EA 18" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	281.49	21.74
<i>For Aluminum Liner, Add</i>	12.49	
<i>For Stainless Steel Liner, Add</i>	17.04	
<i>For 2" Wall Instead Of 1", Add</i>	73.58	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	113.09	
<i>For Type BW, Add</i>	13.63	
<i>For Type L, Add</i>	28.40	
<i>For Positive Pressure Joints, Add</i>	30.87	
23 51 16 00-0056 EA 20" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	342.00	34.32
<i>For Aluminum Liner, Add</i>	14.09	
<i>For Stainless Steel Liner, Add</i>	19.22	
<i>For 2" Wall Instead Of 1", Add</i>	85.44	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	132.46	
<i>For Type BW, Add</i>	15.37	
<i>For Type L, Add</i>	32.03	
<i>For Positive Pressure Joints, Add</i>	38.49	
23 51 16 00-0057 EA 22" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	476.76	36.44
<i>For Aluminum Liner, Add</i>	21.21	
<i>For Stainless Steel Liner, Add</i>	28.92	
<i>For 2" Wall Instead Of 1", Add</i>	124.81	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	191.76	
<i>For Type BW, Add</i>	23.14	
<i>For Type L, Add</i>	48.21	
<i>For Positive Pressure Joints, Add</i>	52.23	
23 51 16 00-0058 EA 24" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	585.36	38.70
<i>For Aluminum Liner, Add</i>	26.88	
<i>For Stainless Steel Liner, Add</i>	36.65	
<i>For 2" Wall Instead Of 1", Add</i>	156.27	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	239.24	
<i>For Type BW, Add</i>	29.32	
<i>For Type L, Add</i>	61.08	
<i>For Positive Pressure Joints, Add</i>	63.37	
23 51 16 00-0059 EA 26" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	1,064.05	39.99
<i>For Aluminum Liner, Add</i>	53.03	
<i>For Stainless Steel Liner, Add</i>	72.31	
<i>For 2" Wall Instead Of 1", Add</i>	299.23	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	453.84	
<i>For Type BW, Add</i>	57.85	
<i>For Type L, Add</i>	120.52	
<i>For Positive Pressure Joints, Add</i>	111.40	
23 51 16 00-0060 EA 28" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	1,093.69	41.29
<i>For Aluminum Liner, Add</i>	54.48	
<i>For Stainless Steel Liner, Add</i>	74.29	
<i>For 2" Wall Instead Of 1", Add</i>	307.48	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	466.38	
<i>For Type BW, Add</i>	59.43	
<i>For Type L, Add</i>	123.82	
<i>For Positive Pressure Joints, Add</i>	114.53	



**23 Heating, Ventilating, And Air-Conditioning (HVAC)**

**23 50 Central Heating Equipment**

**23 51 Breechings, Chimneys, And Stacks**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0061	EA		30" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,152.98	43.87
			<i>For Aluminum Liner, Add</i>	57.39	
			<i>For Stainless Steel Liner, Add</i>	78.25	
			<i>For 2" Wall Instead Of 1", Add</i>	323.97	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	491.44	
			<i>For Type BW, Add</i>	62.60	
			<i>For Type L, Add</i>	130.42	
			<i>For Positive Pressure Joints, Add</i>	120.78	
23 51 16 00-0062	EA		32" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,288.26	45.15
			<i>For Aluminum Liner, Add</i>	64.65	
			<i>For Stainless Steel Liner, Add</i>	88.16	
			<i>For 2" Wall Instead Of 1", Add</i>	363.92	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	551.51	
			<i>For Type BW, Add</i>	70.53	
			<i>For Type L, Add</i>	146.93	
			<i>For Positive Pressure Joints, Add</i>	134.47	
23 51 16 00-0063	EA		34" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,406.97	47.73
			<i>For Aluminum Liner, Add</i>	70.82	
			<i>For Stainless Steel Liner, Add</i>	96.58	
			<i>For 2" Wall Instead Of 1", Add</i>	398.24	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	603.32	
			<i>For Type BW, Add</i>	77.26	
			<i>For Type L, Add</i>	160.96	
			<i>For Positive Pressure Joints, Add</i>	146.66	
23 51 16 00-0064	EA		36" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,449.66	51.61
			<i>For Aluminum Liner, Add</i>	72.64	
			<i>For Stainless Steel Liner, Add</i>	99.05	
			<i>For 2" Wall Instead Of 1", Add</i>	409.11	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	620.11	
			<i>For Type BW, Add</i>	79.24	
			<i>For Type L, Add</i>	165.09	
			<i>For Positive Pressure Joints, Add</i>	151.41	
23 51 16 00-0065	EA		38" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,553.22	53.41
			<i>For Aluminum Liner, Add</i>	78.09	
			<i>For Stainless Steel Liner, Add</i>	106.48	
			<i>For 2" Wall Instead Of 1", Add</i>	439.28	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	665.59	
			<i>For Type BW, Add</i>	85.19	
			<i>For Type L, Add</i>	177.47	
			<i>For Positive Pressure Joints, Add</i>	161.99	
23 51 16 00-0066	EA		40" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,654.22	54.19
			<i>For Aluminum Liner, Add</i>	83.54	
			<i>For Stainless Steel Liner, Add</i>	113.91	
			<i>For 2" Wall Instead Of 1", Add</i>	469.19	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	710.55	
			<i>For Type BW, Add</i>	91.13	
			<i>For Type L, Add</i>	189.86	
			<i>For Positive Pressure Joints, Add</i>	172.19	
23 51 16 00-0067	EA		42" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,726.69	56.76
			<i>For Aluminum Liner, Add</i>	87.17	
			<i>For Stainless Steel Liner, Add</i>	118.87	
			<i>For 2" Wall Instead Of 1", Add</i>	489.64	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	741.56	
			<i>For Type BW, Add</i>	95.09	
			<i>For Type L, Add</i>	198.11	
			<i>For Positive Pressure Joints, Add</i>	179.76	
23 51 16 00-0068	EA		44" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,832.19	59.34
			<i>For Aluminum Liner, Add</i>	92.62	
			<i>For Stainless Steel Liner, Add</i>	126.29	
			<i>For 2" Wall Instead Of 1", Add</i>	520.01	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	787.42	
			<i>For Type BW, Add</i>	101.04	
			<i>For Type L, Add</i>	210.49	
			<i>For Positive Pressure Joints, Add</i>	190.63	
23 51 16 00-0069	EA		46" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,970.70	61.92
			<i>For Aluminum Liner, Add</i>	99.88	
			<i>For Stainless Steel Liner, Add</i>	136.20	
			<i>For 2" Wall Instead Of 1", Add</i>	560.27	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	848.14	
			<i>For Type BW, Add</i>	108.96	
			<i>For Type L, Add</i>	227.00	
			<i>For Positive Pressure Joints, Add</i>	204.81	
23 51 16 00-0070	EA		48" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	2,043.19	64.51
			<i>For Aluminum Liner, Add</i>	103.51	
			<i>For Stainless Steel Liner, Add</i>	141.15	
			<i>For 2" Wall Instead Of 1", Add</i>	580.73	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	879.15	
			<i>For Type BW, Add</i>	112.92	
			<i>For Type L, Add</i>	235.26	
			<i>For Positive Pressure Joints, Add</i>	212.38	

23 51 16 00-0071 Tees (23 51 16 00-0001)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0072 EA 3" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	65.36	15.29
For Aluminum Liner, Add	1.49	
For Stainless Steel Liner, Add	2.03	
For 2" Wall Instead Of 1", Add	11.95	
For 3" To 4" Wall Instead Of 1", Add	19.84	
For Type BW, Add	1.62	
For Type L, Add	3.39	
For Positive Pressure Joints, Add	8.45	
23 51 16 00-0073 EA 4" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	68.07	15.87
For Aluminum Liner, Add	1.56	
For Stainless Steel Liner, Add	2.13	
For 2" Wall Instead Of 1", Add	12.49	
For 3" To 4" Wall Instead Of 1", Add	20.71	
For Type BW, Add	1.70	
For Type L, Add	3.55	
For Positive Pressure Joints, Add	8.79	
23 51 16 00-0074 EA 5" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	71.01	16.51
For Aluminum Liner, Add	1.63	
For Stainless Steel Liner, Add	2.23	
For 2" Wall Instead Of 1", Add	13.05	
For 3" To 4" Wall Instead Of 1", Add	21.63	
For Type BW, Add	1.78	
For Type L, Add	3.72	
For Positive Pressure Joints, Add	9.17	
23 51 16 00-0075 EA 6" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	76.05	17.22
For Aluminum Liner, Add	1.82	
For Stainless Steel Liner, Add	2.48	
For 2" Wall Instead Of 1", Add	14.21	
For 3" To 4" Wall Instead Of 1", Add	23.47	
For Type BW, Add	1.98	
For Type L, Add	4.13	
For Positive Pressure Joints, Add	9.76	
23 51 16 00-0076 EA 7" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	90.47	17.93
For Aluminum Liner, Add	2.51	
For Stainless Steel Liner, Add	3.42	
For 2" Wall Instead Of 1", Add	18.16	
For 3" To 4" Wall Instead Of 1", Add	29.49	
For Type BW, Add	2.73	
For Type L, Add	5.70	
For Positive Pressure Joints, Add	11.29	
23 51 16 00-0077 EA 8" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	97.08	18.77
For Aluminum Liner, Add	2.76	
For Stainless Steel Liner, Add	3.76	
For 2" Wall Instead Of 1", Add	19.75	
For 3" To 4" Wall Instead Of 1", Add	31.96	
For Type BW, Add	3.01	
For Type L, Add	6.27	
For Positive Pressure Joints, Add	12.05	
23 51 16 00-0078 EA 10" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	185.19	19.67
For Aluminum Liner, Add	7.48	
For Stainless Steel Liner, Add	10.20	
For 2" Wall Instead Of 1", Add	45.73	
For 3" To 4" Wall Instead Of 1", Add	71.05	
For Type BW, Add	8.16	
For Type L, Add	17.01	
For Positive Pressure Joints, Add	20.98	
23 51 16 00-0079 EA 12" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	215.35	20.64
For Aluminum Liner, Add	9.01	
For Stainless Steel Liner, Add	12.28	
For 2" Wall Instead Of 1", Add	54.29	
For 3" To 4" Wall Instead Of 1", Add	84.01	
For Type BW, Add	9.83	
For Type L, Add	20.47	
For Positive Pressure Joints, Add	24.11	
23 51 16 00-0080 EA 14" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	324.11	22.97
For Aluminum Liner, Add	14.67	
For Stainless Steel Liner, Add	20.01	
For 2" Wall Instead Of 1", Add	85.77	
For 3" To 4" Wall Instead Of 1", Add	131.52	
For Type BW, Add	16.01	
For Type L, Add	33.35	
For Positive Pressure Joints, Add	35.28	
23 51 16 00-0081 EA 16" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	442.21	25.80
For Aluminum Liner, Add	20.78	
For Stainless Steel Liner, Add	28.33	
For 2" Wall Instead Of 1", Add	119.77	
For 3" To 4" Wall Instead Of 1", Add	182.87	
For Type BW, Add	22.66	
For Type L, Add	47.22	
For Positive Pressure Joints, Add	47.45	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0082	EA		18" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	549.17	29.47
			<i>For Aluminum Liner, Add</i>	26.15	
			<i>For Stainless Steel Liner, Add</i>	35.66	
			<i>For 2" Wall Instead Of 1", Add</i>	150.01	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	228.70	
			<i>For Type BW, Add</i>	28.53	
			<i>For Type L, Add</i>	59.43	
			<i>For Positive Pressure Joints, Add</i>	58.60	
23 51 16 00-0083	EA		20" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	731.56	36.44
			<i>For Aluminum Liner, Add</i>	35.23	
			<i>For Stainless Steel Liner, Add</i>	48.04	
			<i>For 2" Wall Instead Of 1", Add</i>	201.27	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	306.45	
			<i>For Type BW, Add</i>	38.43	
			<i>For Type L, Add</i>	80.07	
			<i>For Positive Pressure Joints, Add</i>	77.71	
23 51 16 00-0084	EA		22" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	918.06	47.60
			<i>For Aluminum Liner, Add</i>	43.95	
			<i>For Stainless Steel Liner, Add</i>	59.93	
			<i>For 2" Wall Instead Of 1", Add</i>	251.61	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	383.37	
			<i>For Type BW, Add</i>	47.94	
			<i>For Type L, Add</i>	99.88	
			<i>For Positive Pressure Joints, Add</i>	97.76	
23 51 16 00-0085	EA		24" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,056.91	50.31
			<i>For Aluminum Liner, Add</i>	51.21	
			<i>For Stainless Steel Liner, Add</i>	69.83	
			<i>For 2" Wall Instead Of 1", Add</i>	291.91	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	444.16	
			<i>For Type BW, Add</i>	55.87	
			<i>For Type L, Add</i>	116.39	
			<i>For Positive Pressure Joints, Add</i>	111.98	
23 51 16 00-0086	EA		26" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,456.25	54.19
			<i>For Aluminum Liner, Add</i>	72.64	
			<i>For Stainless Steel Liner, Add</i>	99.05	
			<i>For 2" Wall Instead Of 1", Add</i>	409.77	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	621.43	
			<i>For Type BW, Add</i>	79.24	
			<i>For Type L, Add</i>	165.09	
			<i>For Positive Pressure Joints, Add</i>	152.40	
23 51 16 00-0087	EA		28" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,626.53	56.32
			<i>For Aluminum Liner, Add</i>	81.72	
			<i>For Stainless Steel Liner, Add</i>	111.44	
			<i>For 2" Wall Instead Of 1", Add</i>	459.82	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	696.76	
			<i>For Type BW, Add</i>	89.15	
			<i>For Type L, Add</i>	185.73	
			<i>For Positive Pressure Joints, Add</i>	169.69	
23 51 16 00-0088	EA		30" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,766.25	59.34
			<i>For Aluminum Liner, Add</i>	88.98	
			<i>For Stainless Steel Liner, Add</i>	121.34	
			<i>For 2" Wall Instead Of 1", Add</i>	500.20	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	757.72	
			<i>For Type BW, Add</i>	97.07	
			<i>For Type L, Add</i>	202.24	
			<i>For Positive Pressure Joints, Add</i>	184.04	
23 51 16 00-0089	EA		32" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,036.81	61.92
			<i>For Aluminum Liner, Add</i>	103.51	
			<i>For Stainless Steel Liner, Add</i>	141.15	
			<i>For 2" Wall Instead Of 1", Add</i>	580.09	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	877.87	
			<i>For Type BW, Add</i>	112.92	
			<i>For Type L, Add</i>	235.26	
			<i>For Positive Pressure Joints, Add</i>	211.42	
23 51 16 00-0090	EA		34" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,076.32	64.51
			<i>For Aluminum Liner, Add</i>	105.33	
			<i>For Stainless Steel Liner, Add</i>	143.63	
			<i>For 2" Wall Instead Of 1", Add</i>	590.64	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	894.03	
			<i>For Type BW, Add</i>	114.90	
			<i>For Type L, Add</i>	239.38	
			<i>For Positive Pressure Joints, Add</i>	215.70	
23 51 16 00-0091	EA		36" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,417.34	68.82
			<i>For Aluminum Liner, Add</i>	123.49	
			<i>For Stainless Steel Liner, Add</i>	168.39	
			<i>For 2" Wall Instead Of 1", Add</i>	690.78	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,044.78	
			<i>For Type BW, Add</i>	134.71	
			<i>For Type L, Add</i>	280.66	
			<i>For Positive Pressure Joints, Add</i>	250.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0092 EA 38" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,471.85	77.41
<i>For Aluminum Liner, Add</i>	125.30	
<i>For Stainless Steel Liner, Add</i>	170.87	
<i>For 2" Wall Instead Of 1", Add</i>	702.84	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,063.94	
<i>For Type BW, Add</i>	136.70	
<i>For Type L, Add</i>	284.78	
<i>For Positive Pressure Joints, Add</i>	256.86	
23 51 16 00-0093 EA 40" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,697.58	88.50
<i>For Aluminum Liner, Add</i>	136.20	
<i>For Stainless Steel Liner, Add</i>	185.73	
<i>For 2" Wall Instead Of 1", Add</i>	765.03	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,158.61	
<i>For Type BW, Add</i>	148.58	
<i>For Type L, Add</i>	309.55	
<i>For Positive Pressure Joints, Add</i>	280.82	
23 51 16 00-0094 EA 42" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,965.52	103.21
<i>For Aluminum Liner, Add</i>	148.91	
<i>For Stainless Steel Liner, Add</i>	203.06	
<i>For 2" Wall Instead Of 1", Add</i>	838.05	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,269.98	
<i>For Type BW, Add</i>	162.45	
<i>For Type L, Add</i>	338.44	
<i>For Positive Pressure Joints, Add</i>	309.45	
23 51 16 00-0095 EA 44" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,228.66	116.11
<i>For Aluminum Liner, Add</i>	161.62	
<i>For Stainless Steel Liner, Add</i>	220.40	
<i>For 2" Wall Instead Of 1", Add</i>	910.59	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,380.39	
<i>For Type BW, Add</i>	176.32	
<i>For Type L, Add</i>	367.33	
<i>For Positive Pressure Joints, Add</i>	337.37	
23 51 16 00-0096 EA 46" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,535.54	119.98
<i>For Aluminum Liner, Add</i>	177.97	
<i>For Stainless Steel Liner, Add</i>	242.68	
<i>For 2" Wall Instead Of 1", Add</i>	1,000.71	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,516.06	
<i>For Type BW, Add</i>	194.15	
<i>For Type L, Add</i>	404.47	
<i>For Positive Pressure Joints, Add</i>	368.54	
23 51 16 00-0097 EA 48" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,743.43	123.85
<i>For Aluminum Liner, Add</i>	188.86	
<i>For Stainless Steel Liner, Add</i>	257.54	
<i>For 2" Wall Instead Of 1", Add</i>	1,061.12	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,607.16	
<i>For Type BW, Add</i>	206.03	
<i>For Type L, Add</i>	429.24	
<i>For Positive Pressure Joints, Add</i>	389.82	
<b>23 51 16 00-0098 Vent Top Caps <small>(23 51 16 00-0001)</small></b>		
23 51 16 00-0099 EA 3" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe .....	32.67	8.97
<i>For Aluminum Liner, Add</i>	0.56	
<i>For Stainless Steel Liner, Add</i>	0.77	
<i>For 2" Wall Instead Of 1", Add</i>	5.32	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	9.09	
<i>For Type BW, Add</i>	0.61	
<i>For Type L, Add</i>	1.28	
<i>For Positive Pressure Joints, Add</i>	4.39	
23 51 16 00-0100 EA 4" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe .....	34.23	9.42
<i>For Aluminum Liner, Add</i>	0.59	
<i>For Stainless Steel Liner, Add</i>	0.81	
<i>For 2" Wall Instead Of 1", Add</i>	5.58	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	9.54	
<i>For Type BW, Add</i>	0.65	
<i>For Type L, Add</i>	1.35	
<i>For Positive Pressure Joints, Add</i>	4.60	
23 51 16 00-0101 EA 6" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe .....	44.49	10.32
<i>For Aluminum Liner, Add</i>	1.03	
<i>For Stainless Steel Liner, Add</i>	1.40	
<i>For 2" Wall Instead Of 1", Add</i>	8.19	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	13.57	
<i>For Type BW, Add</i>	1.12	
<i>For Type L, Add</i>	2.34	
<i>For Positive Pressure Joints, Add</i>	5.74	
23 51 16 00-0102 EA 8" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe .....	47.33	11.48
<i>For Aluminum Liner, Add</i>	1.03	
<i>For Stainless Steel Liner, Add</i>	1.40	
<i>For 2" Wall Instead Of 1", Add</i>	8.47	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	14.14	
<i>For Type BW, Add</i>	1.12	
<i>For Type L, Add</i>	2.34	
<i>For Positive Pressure Joints, Add</i>	6.17	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0103	EA		10" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	57.86	12.12
			<i>For Aluminum Liner, Add</i>	1.51	
			<i>For Stainless Steel Liner, Add</i>	2.07	
			<i>For 2" Wall Instead Of 1", Add</i>	11.29	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	18.46	
			<i>For Type BW, Add</i>	1.65	
			<i>For Type L, Add</i>	3.44	
			<i>For Positive Pressure Joints, Add</i>	7.30	
23 51 16 00-0104	EA		12" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	68.57	12.90
			<i>For Aluminum Liner, Add</i>	2.00	
			<i>For Stainless Steel Liner, Add</i>	2.72	
			<i>For 2" Wall Instead Of 1", Add</i>	14.12	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	22.79	
			<i>For Type BW, Add</i>	2.18	
			<i>For Type L, Add</i>	4.54	
			<i>For Positive Pressure Joints, Add</i>	8.47	
23 51 16 00-0105	EA		16" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	164.29	14.71
			<i>For Aluminum Liner, Add</i>	7.01	
			<i>For Stainless Steel Liner, Add</i>	9.56	
			<i>For 2" Wall Instead Of 1", Add</i>	41.92	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	64.72	
			<i>For Type BW, Add</i>	7.65	
			<i>For Type L, Add</i>	15.93	
			<i>For Positive Pressure Joints, Add</i>	18.27	
23 51 16 00-0106	EA		18" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	307.56	18.45
			<i>For Aluminum Liner, Add</i>	14.38	
			<i>For Stainless Steel Liner, Add</i>	19.61	
			<i>For 2" Wall Instead Of 1", Add</i>	83.06	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	126.89	
			<i>For Type BW, Add</i>	15.69	
			<i>For Type L, Add</i>	32.69	
			<i>For Positive Pressure Joints, Add</i>	33.06	
23 51 16 00-0107	EA		20" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	570.37	22.12
			<i>For Aluminum Liner, Add</i>	28.33	
			<i>For Stainless Steel Liner, Add</i>	38.63	
			<i>For 2" Wall Instead Of 1", Add</i>	160.05	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	242.84	
			<i>For Type BW, Add</i>	30.90	
			<i>For Type L, Add</i>	64.39	
			<i>For Positive Pressure Joints, Add</i>	59.80	
23 51 16 00-0108	EA		24" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	949.10	30.97
			<i>For Aluminum Liner, Add</i>	47.94	
			<i>For Stainless Steel Liner, Add</i>	65.38	
			<i>For 2" Wall Instead Of 1", Add</i>	269.25	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	407.74	
			<i>For Type BW, Add</i>	52.30	
			<i>For Type L, Add</i>	108.96	
			<i>For Positive Pressure Joints, Add</i>	98.78	
23 51 16 00-0109	EA		26" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	1,402.17	32.57
			<i>For Aluminum Liner, Add</i>	72.64	
			<i>For Stainless Steel Liner, Add</i>	99.05	
			<i>For 2" Wall Instead Of 1", Add</i>	404.36	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	610.62	
			<i>For Type BW, Add</i>	79.24	
			<i>For Type L, Add</i>	165.09	
			<i>For Positive Pressure Joints, Add</i>	144.29	
23 51 16 00-0110	EA		28" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	1,571.83	34.38
			<i>For Aluminum Liner, Add</i>	81.72	
			<i>For Stainless Steel Liner, Add</i>	111.44	
			<i>For 2" Wall Instead Of 1", Add</i>	454.35	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	685.82	
			<i>For Type BW, Add</i>	89.15	
			<i>For Type L, Add</i>	185.73	
			<i>For Positive Pressure Joints, Add</i>	161.48	
23 51 16 00-0111	EA		30" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	1,775.04	36.44
			<i>For Aluminum Liner, Add</i>	92.62	
			<i>For Stainless Steel Liner, Add</i>	126.29	
			<i>For 2" Wall Instead Of 1", Add</i>	514.29	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	775.99	
			<i>For Type BW, Add</i>	101.04	
			<i>For Type L, Add</i>	210.49	
			<i>For Positive Pressure Joints, Add</i>	182.06	
23 51 16 00-0112	EA		32" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	1,879.78	38.70
			<i>For Aluminum Liner, Add</i>	98.06	
			<i>For Stainless Steel Liner, Add</i>	133.72	
			<i>For 2" Wall Instead Of 1", Add</i>	544.57	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	821.70	
			<i>For Type BW, Add</i>	106.98	
			<i>For Type L, Add</i>	222.87	
			<i>For Positive Pressure Joints, Add</i>	192.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0113 EA 34" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe .....	1,985.28	41.29
<i>For Aluminum Liner, Add</i>	103.51	
<i>For Stainless Steel Liner, Add</i>	141.15	
<i>For 2" Wall Instead Of 1", Add</i>	574.94	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	867.57	
<i>For Type BW, Add</i>	112.92	
<i>For Type L, Add</i>	235.26	
<i>For Positive Pressure Joints, Add</i>	203.69	
23 51 16 00-0114 EA 36" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe .....	2,124.64	44.25
<i>For Aluminum Liner, Add</i>	110.78	
<i>For Stainless Steel Liner, Add</i>	151.06	
<i>For 2" Wall Instead Of 1", Add</i>	615.29	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	928.46	
<i>For Type BW, Add</i>	120.85	
<i>For Type L, Add</i>	251.76	
<i>For Positive Pressure Joints, Add</i>	217.99	
<b>23 51 16 00-0115 Wall Thimbles <small>(23 51 16 00-0001)</small></b>		
23 51 16 00-0116 EA 3" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe .....	13.22	4.84
<i>For Aluminum Liner, Add</i>	0.06	
<i>For Stainless Steel Liner, Add</i>	0.09	
<i>For 2" Wall Instead Of 1", Add</i>	1.56	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	2.94	
<i>For Type BW, Add</i>	0.07	
<i>For Type L, Add</i>	0.15	
<i>For Positive Pressure Joints, Add</i>	1.92	
23 51 16 00-0117 EA 4" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe .....	16.75	6.19
<i>For Aluminum Liner, Add</i>	0.07	
<i>For Stainless Steel Liner, Add</i>	0.09	
<i>For 2" Wall Instead Of 1", Add</i>	1.92	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	3.65	
<i>For Type BW, Add</i>	0.07	
<i>For Type L, Add</i>	0.15	
<i>For Positive Pressure Joints, Add</i>	2.45	
23 51 16 00-0118 EA 5" Or 6" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe .....	22.29	8.32
<i>For Aluminum Liner, Add</i>	0.08	
<i>For Stainless Steel Liner, Add</i>	0.11	
<i>For 2" Wall Instead Of 1", Add</i>	2.53	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	4.83	
<i>For Type BW, Add</i>	0.09	
<i>For Type L, Add</i>	0.19	
<i>For Positive Pressure Joints, Add</i>	3.27	
23 51 16 00-0119 EA 7" Or 8" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe .....	27.90	10.32
<i>For Aluminum Liner, Add</i>	0.12	
<i>For Stainless Steel Liner, Add</i>	0.16	
<i>For 2" Wall Instead Of 1", Add</i>	3.21	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	6.11	
<i>For Type BW, Add</i>	0.13	
<i>For Type L, Add</i>	0.26	
<i>For Positive Pressure Joints, Add</i>	4.08	
23 51 16 00-0120 EA 10" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe .....	40.24	13.93
<i>For Aluminum Liner, Add</i>	0.30	
<i>For Stainless Steel Liner, Add</i>	0.41	
<i>For 2" Wall Instead Of 1", Add</i>	5.11	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	9.40	
<i>For Type BW, Add</i>	0.32	
<i>For Type L, Add</i>	0.68	
<i>For Positive Pressure Joints, Add</i>	5.77	
23 51 16 00-0121 EA 12" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe .....	50.88	17.29
<i>For Aluminum Liner, Add</i>	0.42	
<i>For Stainless Steel Liner, Add</i>	0.57	
<i>For 2" Wall Instead Of 1", Add</i>	6.62	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	12.09	
<i>For Type BW, Add</i>	0.46	
<i>For Type L, Add</i>	0.96	
<i>For Positive Pressure Joints, Add</i>	7.25	
23 51 16 00-0122 EA 14" Or 16" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe .....	64.59	20.64
<i>For Aluminum Liner, Add</i>	0.71	
<i>For Stainless Steel Liner, Add</i>	0.97	
<i>For 2" Wall Instead Of 1", Add</i>	9.06	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	16.16	
<i>For Type BW, Add</i>	0.78	
<i>For Type L, Add</i>	1.62	
<i>For Positive Pressure Joints, Add</i>	9.04	
23 51 16 00-0123 EA 18" Or 20" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe .....	84.52	24.51
<i>For Aluminum Liner, Add</i>	1.28	
<i>For Stainless Steel Liner, Add</i>	1.74	
<i>For 2" Wall Instead Of 1", Add</i>	13.10	
<i>For 3" To 4" Wall Instead Of 1", Add</i>	22.71	
<i>For Type BW, Add</i>	1.39	
<i>For Type L, Add</i>	2.91	
<i>For Positive Pressure Joints, Add</i>	11.52	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0124	EA		22" Or 24" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe .....	114.44	27.09
			<i>For Aluminum Liner, Add</i>	2.57	
			<i>For Stainless Steel Liner, Add</i>	3.50	
			<i>For 2" Wall Instead Of 1", Add</i>	20.79	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	34.57	
			<i>For Type BW, Add</i>	2.80	
			<i>For Type L, Add</i>	5.84	
			<i>For Positive Pressure Joints, Add</i>	14.83	
<b>23 51 16 00-0125</b>			<b>Adjustable Roof Flashing</b> (23 51 16 00-0001)		
23 51 16 00-0126	EA		3" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	36.24	11.48
			<i>For Aluminum Liner, Add</i>	0.42	
			<i>For Stainless Steel Liner, Add</i>	0.57	
			<i>For 2" Wall Instead Of 1", Add</i>	5.14	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	9.15	
			<i>For Type BW, Add</i>	0.46	
			<i>For Type L, Add</i>	0.95	
			<i>For Positive Pressure Joints, Add</i>	5.06	
23 51 16 00-0127	EA		4" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	40.14	12.12
			<i>For Aluminum Liner, Add</i>	0.54	
			<i>For Stainless Steel Liner, Add</i>	0.73	
			<i>For 2" Wall Instead Of 1", Add</i>	5.97	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	10.47	
			<i>For Type BW, Add</i>	0.59	
			<i>For Type L, Add</i>	1.22	
			<i>For Positive Pressure Joints, Add</i>	5.53	
23 51 16 00-0128	EA		6" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	50.76	13.74
			<i>For Aluminum Liner, Add</i>	0.90	
			<i>For Stainless Steel Liner, Add</i>	1.23	
			<i>For 2" Wall Instead Of 1", Add</i>	8.35	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	14.25	
			<i>For Type BW, Add</i>	0.98	
			<i>For Type L, Add</i>	2.05	
			<i>For Positive Pressure Joints, Add</i>	6.80	
23 51 16 00-0129	EA		8" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	62.06	15.87
			<i>For Aluminum Liner, Add</i>	1.23	
			<i>For Stainless Steel Liner, Add</i>	1.68	
			<i>For 2" Wall Instead Of 1", Add</i>	10.68	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	18.01	
			<i>For Type BW, Add</i>	1.34	
			<i>For Type L, Add</i>	2.80	
			<i>For Positive Pressure Joints, Add</i>	8.19	
23 51 16 00-0130	EA		10" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	104.44	17.22
			<i>For Aluminum Liner, Add</i>	3.38	
			<i>For Stainless Steel Liner, Add</i>	4.61	
			<i>For 2" Wall Instead Of 1", Add</i>	22.73	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	36.24	
			<i>For Type BW, Add</i>	3.68	
			<i>For Type L, Add</i>	7.68	
			<i>For Positive Pressure Joints, Add</i>	12.60	
23 51 16 00-0131	EA		12" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	124.81	18.77
			<i>For Aluminum Liner, Add</i>	4.29	
			<i>For Stainless Steel Liner, Add</i>	5.84	
			<i>For 2" Wall Instead Of 1", Add</i>	28.07	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	44.44	
			<i>For Type BW, Add</i>	4.68	
			<i>For Type L, Add</i>	9.74	
			<i>For Positive Pressure Joints, Add</i>	14.83	
23 51 16 00-0132	EA		14" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	147.36	20.64
			<i>For Aluminum Liner, Add</i>	5.27	
			<i>For Stainless Steel Liner, Add</i>	7.18	
			<i>For 2" Wall Instead Of 1", Add</i>	33.89	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	53.41	
			<i>For Type BW, Add</i>	5.75	
			<i>For Type L, Add</i>	11.97	
			<i>For Positive Pressure Joints, Add</i>	17.32	
23 51 16 00-0133	EA		16" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	176.28	22.97
			<i>For Aluminum Liner, Add</i>	6.54	
			<i>For Stainless Steel Liner, Add</i>	8.92	
			<i>For 2" Wall Instead Of 1", Add</i>	41.40	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	64.97	
			<i>For Type BW, Add</i>	7.13	
			<i>For Type L, Add</i>	14.86	
			<i>For Positive Pressure Joints, Add</i>	20.50	
23 51 16 00-0134	EA		18" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	269.24	25.80
			<i>For Aluminum Liner, Add</i>	11.26	
			<i>For Stainless Steel Liner, Add</i>	15.35	
			<i>For 2" Wall Instead Of 1", Add</i>	67.87	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	105.03	
			<i>For Type BW, Add</i>	12.28	
			<i>For Type L, Add</i>	25.59	
			<i>For Positive Pressure Joints, Add</i>	30.15	



<b>Heating, Ventilating, And Air-Conditioning (HVAC)</b>	<b>23</b>
<b>Central Heating Equipment</b>	<b>23 50</b>
<b>Breechings, Chimneys, And Stacks</b>	<b>23 51</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0135 EA 20" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	294.69	34.38
For Aluminum Liner, Add	11.48	
For Stainless Steel Liner, Add	15.65	
For 2" Wall Instead Of 1", Add	71.21	
For 3" To 4" Wall Instead Of 1", Add	111.11	
For Type BW, Add	12.52	
For Type L, Add	26.09	
For Positive Pressure Joints, Add	33.77	
23 51 16 00-0136 EA 22" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	374.75	44.25
For Aluminum Liner, Add	14.53	
For Stainless Steel Liner, Add	19.81	
For 2" Wall Instead Of 1", Add	90.31	
For 3" To 4" Wall Instead Of 1", Add	140.99	
For Type BW, Add	15.85	
For Type L, Add	33.02	
For Positive Pressure Joints, Add	43.01	
23 51 16 00-0137 EA 24" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	445.98	51.61
For Aluminum Liner, Add	17.43	
For Stainless Steel Liner, Add	23.77	
For 2" Wall Instead Of 1", Add	107.99	
For 3" To 4" Wall Instead Of 1", Add	168.44	
For Type BW, Add	19.02	
For Type L, Add	39.62	
For Positive Pressure Joints, Add	51.05	
<b>23 51 16 00-0138 Galvanized Storm Collars (23 51 16 00-0001)</b>		
23 51 16 00-0139 EA 3" Round Galvanized Storm Collar, Double Wall .....	14.24	4.84
For Aluminum Liner, Add	0.12	
For Stainless Steel Liner, Add	0.16	
For 2" Wall Instead Of 1", Add	1.86	
For 3" To 4" Wall Instead Of 1", Add	3.40	
For Type BW, Add	0.13	
For Type L, Add	0.27	
For Positive Pressure Joints, Add	2.03	
23 51 16 00-0140 EA 4" Round Galvanized Storm Collar, Double Wall .....	18.00	6.19
For Aluminum Liner, Add	0.14	
For Stainless Steel Liner, Add	0.19	
For 2" Wall Instead Of 1", Add	2.30	
For 3" To 4" Wall Instead Of 1", Add	4.23	
For Type BW, Add	0.15	
For Type L, Add	0.32	
For Positive Pressure Joints, Add	2.57	
23 51 16 00-0141 EA 5" Round Galvanized Storm Collar, Double Wall .....	21.20	7.22
For Aluminum Liner, Add	0.17	
For Stainless Steel Liner, Add	0.23	
For 2" Wall Instead Of 1", Add	2.75	
For 3" To 4" Wall Instead Of 1", Add	5.02	
For Type BW, Add	0.19	
For Type L, Add	0.39	
For Positive Pressure Joints, Add	3.02	
23 51 16 00-0142 EA 6" Round Galvanized Storm Collar, Double Wall .....	24.41	8.26
For Aluminum Liner, Add	0.21	
For Stainless Steel Liner, Add	0.28	
For 2" Wall Instead Of 1", Add	3.19	
For 3" To 4" Wall Instead Of 1", Add	5.82	
For Type BW, Add	0.23	
For Type L, Add	0.47	
For Positive Pressure Joints, Add	3.47	
23 51 16 00-0143 EA 7" Or 8" Round Galvanized Storm Collar, Double Wall .....	30.80	10.32
For Aluminum Liner, Add	0.28	
For Stainless Steel Liner, Add	0.38	
For 2" Wall Instead Of 1", Add	4.08	
For 3" To 4" Wall Instead Of 1", Add	7.41	
For Type BW, Add	0.30	
For Type L, Add	0.63	
For Positive Pressure Joints, Add	4.37	
23 51 16 00-0144 EA 10" Round Galvanized Storm Collar, Double Wall .....	42.68	13.93
For Aluminum Liner, Add	0.43	
For Stainless Steel Liner, Add	0.59	
For 2" Wall Instead Of 1", Add	5.84	
For 3" To 4" Wall Instead Of 1", Add	10.50	
For Type BW, Add	0.47	
For Type L, Add	0.98	
For Positive Pressure Joints, Add	6.01	
23 51 16 00-0145 EA 12" Round Galvanized Storm Collar, Double Wall .....	52.64	17.29
For Aluminum Liner, Add	0.52	
For Stainless Steel Liner, Add	0.71	
For 2" Wall Instead Of 1", Add	7.15	
For 3" To 4" Wall Instead Of 1", Add	12.88	
For Type BW, Add	0.57	
For Type L, Add	1.18	
For Positive Pressure Joints, Add	7.43	



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0146	EA		14" Or 16" Round Galvanized Storm Collar, Double Wall.....	67.59	20.64
			<i>For Aluminum Liner, Add</i>	0.88	
			<i>For Stainless Steel Liner, Add</i>	1.20	
			<i>For 2" Wall Instead Of 1", Add</i>	9.96	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	17.51	
			<i>For Type BW, Add</i>	0.96	
			<i>For Type L, Add</i>	2.00	
			<i>For Positive Pressure Joints, Add</i>	9.34	
23 51 16 00-0147	EA		18" Or 20" Round Galvanized Storm Collar, Double Wall.....	90.21	24.51
			<i>For Aluminum Liner, Add</i>	1.59	
			<i>For Stainless Steel Liner, Add</i>	2.17	
			<i>For 2" Wall Instead Of 1", Add</i>	14.81	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	25.27	
			<i>For Type BW, Add</i>	1.74	
			<i>For Type L, Add</i>	3.62	
			<i>For Positive Pressure Joints, Add</i>	12.09	
23 51 16 00-0148	EA		22" Or 24" Round Galvanized Storm Collar, Double Wall.....	128.68	27.09
			<i>For Aluminum Liner, Add</i>	3.35	
			<i>For Stainless Steel Liner, Add</i>	4.57	
			<i>For 2" Wall Instead Of 1", Add</i>	25.06	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	40.98	
			<i>For Type BW, Add</i>	3.66	
			<i>For Type L, Add</i>	7.62	
			<i>For Positive Pressure Joints, Add</i>	16.25	
23 51 16 00-0149			<b>Oval Galvanized Double Wall Flue/Vent Pipe And Fittings</b> <small>(23 51 16)</small>		
23 51 16 00-0150			<b>Oval Galvanized Double Wall Flue/Vent Pipe</b> <small>(23 51 16 00-0149)</small>		
23 51 16 00-0151	LF		4" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	24.63	6.06
			<i>For 2" Wall Instead Of 1", Add</i>	4.36	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	7.29	
23 51 16 00-0152	LF		5" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	27.25	6.45
			<i>For 2" Wall Instead Of 1", Add</i>	4.97	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	8.26	
23 51 16 00-0153	LF		6" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	30.26	6.90
			<i>For 2" Wall Instead Of 1", Add</i>	5.63	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	9.31	
23 51 16 00-0154			<b>45 Degree Elbows</b> <small>(23 51 16 00-0149)</small>		
23 51 16 00-0155	EA		4" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	54.15	12.58
			<i>For 2" Wall Instead Of 1", Add</i>	9.95	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	16.50	
23 51 16 00-0156	EA		5" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	63.18	14.71
			<i>For 2" Wall Instead Of 1", Add</i>	11.60	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	19.24	
23 51 16 00-0157	EA		6" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	75.49	16.64
			<i>For 2" Wall Instead Of 1", Add</i>	14.32	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	23.57	
23 51 16 00-0158	EA		4" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	55.28	12.58
			<i>For 2" Wall Instead Of 1", Add</i>	10.29	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	17.01	
23 51 16 00-0159	EA		5" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	65.94	14.71
			<i>For 2" Wall Instead Of 1", Add</i>	12.43	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	20.48	
23 51 16 00-0160	EA		6" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	77.27	16.64
			<i>For 2" Wall Instead Of 1", Add</i>	14.86	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	24.37	
23 51 16 00-0161			<b>Tees</b> <small>(23 51 16 00-0149)</small>		
23 51 16 00-0162	EA		4" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe.....	91.05	19.09
			<i>For 2" Wall Instead Of 1", Add</i>	17.76	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	29.03	
23 51 16 00-0163	EA		4" Short Snout Oval Flue/Vent Tee, Galvanized Double Wall Breech/Smoke Pipe.....	92.83	19.09
			<i>For 2" Wall Instead Of 1", Add</i>	18.29	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	29.83	
23 51 16 00-0164	EA		5" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe.....	106.69	21.93
			<i>For 2" Wall Instead Of 1", Add</i>	21.04	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	34.30	
23 51 16 00-0165	EA		6" Oval Flue/Vent Tee With Round Coupling, Galvanized Double Wall Breech/Smoke Pipe.....	122.20	24.57
			<i>For 2" Wall Instead Of 1", Add</i>	24.37	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	39.63	
23 51 16 00-0166			<b>Tops/Caps And Adjustable Flashing</b> <small>(23 51 16 00-0149)</small>		
23 51 16 00-0167	EA		4" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe.....	35.15	6.19
			<i>For 2" Wall Instead Of 1", Add</i>	7.44	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	11.93	
23 51 16 00-0168	EA		6" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe.....	55.25	8.32
			<i>For 2" Wall Instead Of 1", Add</i>	12.41	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	19.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0169 EA 4" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe..... <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	28.18 5.35 8.80	6.19
23 51 16 00-0170 EA 6" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe..... <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	48.68 10.44 16.70	8.32
<b>23 51 16 00-0171 Storm Collars</b> <small>(23 51 16 00-0149)</small>		
23 51 16 00-0172 EA 4" Oval Galvanized Storm Collar, Double Wall..... <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	18.00 2.30 4.23	6.19
23 51 16 00-0173 EA 5" Oval Galvanized Storm Collar, Double Wall..... <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	21.20 2.75 5.02	7.22
23 51 16 00-0174 EA 6" Oval Galvanized Storm Collar, Double Wall..... <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	24.41 3.19 5.82	8.26
<b>23 51 16 00-0175 Round Double Wall Flue/Vent Pipe And Fittings</b> <small>(23 51 16)</small>		
Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.		
<b>23 51 16 00-0176 Round Double Wall Flue/Vent Pipe</b> <small>(23 51 16 00-0175)</small>		
Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.		
23 51 16 00-0177 LF 6" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket..... <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	77.98 9.72 6.08 12.15	6.90
23 51 16 00-0178 LF 8" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket..... <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	94.02 11.86 7.42 14.83	7.94
23 51 16 00-0179 LF 10" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket..... <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	104.56 13.29 8.31 16.62	8.58
23 51 16 00-0180 LF 12" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket..... <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	118.15 15.15 9.47 18.94	9.35
23 51 16 00-0181 LF 14" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket..... <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	133.58 17.44 10.90 21.80	9.80
23 51 16 00-0182 LF 16" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket..... <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	141.10 18.44 11.53 23.05	10.32
23 51 16 00-0183 LF 18" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket..... <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	156.73 20.73 12.95 25.91	10.90
23 51 16 00-0184 LF 20" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket..... <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	191.33 23.73 14.83 29.66	17.22
23 51 16 00-0185 LF 24" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket..... <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	239.58 30.59 19.12 38.24	19.35
23 51 16 00-0186 LF 28" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket..... <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	271.36 35.16 21.98 43.96	20.64
23 51 16 00-0187 LF 32" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket..... <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	303.86 39.45 24.66 49.32	22.90
23 51 16 00-0188 LF 36" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket..... <i>For 316 Stainless Steel, Add</i> <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	338.80 44.31 27.70 55.39	24.77

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0189	LF		42" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	386.80	28.19
			<i>For 316 Stainless Steel, Add</i>	50.60	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	31.63	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	63.25	
23 51 16 00-0190	LF		48" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	453.26	32.64
			<i>For 316 Stainless Steel, Add</i>	59.47	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	37.17	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	74.33	
<b>23 51 16 00-0191</b>			<b>90 Degree Elbows</b> <small>(23 51 16 00-0175)</small>		
23 51 16 00-0192	EA		6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	380.47	14.25
			<i>For 316 Stainless Steel, Add</i>	68.97	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	34.49	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	68.97	
23 51 16 00-0193	EA		8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	420.25	15.87
			<i>For 316 Stainless Steel, Add</i>	76.12	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	38.06	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	76.12	
23 51 16 00-0194	EA		10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	479.03	17.22
			<i>For 316 Stainless Steel, Add</i>	87.20	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	43.60	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	87.20	
23 51 16 00-0195	EA		12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	541.85	18.77
			<i>For 316 Stainless Steel, Add</i>	98.99	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	49.50	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	98.99	
23 51 16 00-0196	EA		14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	629.87	19.67
			<i>For 316 Stainless Steel, Add</i>	116.14	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	58.07	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	116.14	
23 51 16 00-0197	EA		16" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	694.85	20.64
			<i>For 316 Stainless Steel, Add</i>	128.65	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	64.33	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	128.65	
23 51 16 00-0198	EA		18" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	804.77	21.74
			<i>For 316 Stainless Steel, Add</i>	150.09	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	75.05	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	150.09	
23 51 16 00-0199	EA		20" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	925.81	34.38
			<i>For 316 Stainless Steel, Add</i>	167.96	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	83.98	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	167.96	
23 51 16 00-0200	EA		24" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,142.03	38.70
			<i>For 316 Stainless Steel, Add</i>	209.06	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	104.53	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	209.06	
23 51 16 00-0201	EA		28" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,389.71	41.29
			<i>For 316 Stainless Steel, Add</i>	257.30	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	128.65	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	257.30	
23 51 16 00-0202	EA		32" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,843.74	44.18
			<i>For 316 Stainless Steel, Add</i>	346.64	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	173.32	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	346.64	
23 51 16 00-0203	EA		36" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,094.50	51.61
			<i>For 316 Stainless Steel, Add</i>	393.10	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	196.55	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	393.10	
23 51 16 00-0204	EA		42" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	3,088.94	56.32
			<i>For 316 Stainless Steel, Add</i>	589.65	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	294.82	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	589.65	
23 51 16 00-0205	EA		48" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	3,862.44	61.92
			<i>For 316 Stainless Steel, Add</i>	741.53	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	370.76	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	741.53	
<b>23 51 16 00-0206</b>			<b>45 Degree Elbows</b> <small>(23 51 16 00-0175)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0207 EA 6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	250.58	13.74
<i>For 316 Stainless Steel, Add</i>	43.24	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	21.62	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	43.24	
23 51 16 00-0208 EA 8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	286.24	15.87
<i>For 316 Stainless Steel, Add</i>	49.32	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	24.66	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	49.32	
23 51 16 00-0209 EA 10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	318.20	17.22
<i>For 316 Stainless Steel, Add</i>	55.03	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	27.52	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	55.03	
23 51 16 00-0210 EA 12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	363.17	18.77
<i>For 316 Stainless Steel, Add</i>	63.25	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	31.63	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	63.25	
23 51 16 00-0211 EA 14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	410.09	19.67
<i>For 316 Stainless Steel, Add</i>	72.19	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	36.09	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	72.19	
23 51 16 00-0212 EA 16" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	460.78	20.64
<i>For 316 Stainless Steel, Add</i>	81.84	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	40.92	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	81.84	
23 51 16 00-0213 EA 18" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	517.09	21.74
<i>For 316 Stainless Steel, Add</i>	92.56	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	46.28	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	92.56	
23 51 16 00-0214 EA 20" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	614.91	34.38
<i>For 316 Stainless Steel, Add</i>	105.78	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	52.89	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	105.78	
23 51 16 00-0215 EA 24" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	775.75	38.70
<i>For 316 Stainless Steel, Add</i>	135.80	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	67.90	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	135.80	
23 51 16 00-0216 EA 28" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	871.54	41.29
<i>For 316 Stainless Steel, Add</i>	153.67	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	76.83	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	153.67	
23 51 16 00-0217 EA 32" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,137.95	44.18
<i>For 316 Stainless Steel, Add</i>	205.48	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	102.74	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	205.48	
23 51 16 00-0218 EA 36" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,513.79	51.61
<i>For 316 Stainless Steel, Add</i>	276.96	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	138.48	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	276.96	
23 51 16 00-0219 EA 42" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,016.85	56.32
<i>For 316 Stainless Steel, Add</i>	375.23	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	187.62	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	375.23	
23 51 16 00-0220 EA 48" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,701.04	61.92
<i>For 316 Stainless Steel, Add</i>	509.24	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	254.62	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	509.24	
<b>23 51 16 00-0221 Tees</b> <small>(23 51 16 00-0175)</small>		
23 51 16 00-0222 EA 6" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	269.98	17.22
<i>For 316 Stainless Steel, Add</i>	49.92	
<i>For Tee Cap, Add</i>	60.45	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	22.69	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	45.39	
23 51 16 00-0223 EA 8" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	307.77	18.77
<i>For 316 Stainless Steel, Add</i>	57.39	
<i>For Tee Cap, Add</i>	68.59	
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	26.09	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	52.17	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0224	EA		10" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	354.68	19.67
			<i>For 316 Stainless Steel, Add</i> .....	67.22	
			<i>For Tee Cap, Add</i> .....	78.31	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	30.55	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	61.11	
23 51 16 00-0225	EA		12" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	408.95	20.64
			<i>For 316 Stainless Steel, Add</i> .....	78.62	
			<i>For Tee Cap, Add</i> .....	89.53	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	35.74	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	71.47	
23 51 16 00-0226	EA		14" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	479.03	22.97
			<i>For 316 Stainless Steel, Add</i> .....	92.77	
			<i>For Tee Cap, Add</i> .....	104.41	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	42.17	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	84.34	
23 51 16 00-0227	EA		16" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	537.98	25.80
			<i>For 316 Stainless Steel, Add</i> .....	104.17	
			<i>For Tee Cap, Add</i> .....	117.27	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	47.35	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	94.70	
23 51 16 00-0228	EA		18" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	627.57	29.47
			<i>For 316 Stainless Steel, Add</i> .....	121.86	
			<i>For Tee Cap, Add</i> .....	136.56	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	55.39	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	110.78	
23 51 16 00-0229	EA		20" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	716.45	36.44
			<i>For 316 Stainless Steel, Add</i> .....	137.58	
			<i>For Tee Cap, Add</i> .....	156.95	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	62.54	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	125.08	
23 51 16 00-0230	EA		24" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	906.27	51.61
			<i>For 316 Stainless Steel, Add</i> .....	171.00	
			<i>For Tee Cap, Add</i> .....	200.61	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	77.73	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	155.45	
23 51 16 00-0231	EA		28" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,105.58	56.32
			<i>For 316 Stainless Steel, Add</i> .....	212.27	
			<i>For Tee Cap, Add</i> .....	242.22	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	96.49	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	192.98	
23 51 16 00-0232	EA		32" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,477.05	61.92
			<i>For 316 Stainless Steel, Add</i> .....	290.89	
			<i>For Tee Cap, Add</i> .....	318.63	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	132.22	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	264.45	
23 51 16 00-0233	EA		36" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,646.22	68.82
			<i>For 316 Stainless Steel, Add</i> .....	324.31	
			<i>For Tee Cap, Add</i> .....	355.06	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	147.41	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	294.82	
23 51 16 00-0234	EA		42" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,625.56	103.21
			<i>For 316 Stainless Steel, Add</i> .....	520.86	
			<i>For Tee Cap, Add</i> .....	563.82	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	236.75	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	473.51	
23 51 16 00-0235	EA		48" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	3,302.55	123.85
			<i>For 316 Stainless Steel, Add</i> .....	658.44	
			<i>For Tee Cap, Add</i> .....	706.96	
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	299.29	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	598.58	
23 51 16 00-0236			<b>Bellows</b> <small>(23 51 16 00-0175)</small>		
23 51 16 00-0237	EA		6" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	523.97	13.74
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	48.96	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	97.92	
23 51 16 00-0238	EA		8" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	570.34	15.87
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	53.07	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	106.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0239 EA 10" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	623.76	17.22
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	58.07	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	116.14	
23 51 16 00-0240 EA 12" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	690.15	18.77
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	64.33	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	128.65	
23 51 16 00-0241 EA 14" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	772.81	19.67
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	72.37	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	144.73	
23 51 16 00-0242 EA 16" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	855.67	20.64
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	80.41	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	160.81	
23 51 16 00-0243 EA 18" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	956.65	21.74
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	90.23	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	180.47	
23 51 16 00-0244 EA 20" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,104.48	34.38
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	101.85	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	203.70	
23 51 16 00-0245 EA 24" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,365.40	38.70
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	126.86	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	253.73	
23 51 16 00-0246 EA 28" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,532.67	41.29
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	142.95	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	285.89	
23 51 16 00-0247 EA 32" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,754.47	44.25
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	164.39	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	328.77	
23 51 16 00-0248 EA 36" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,005.17	51.61
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	187.62	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	375.23	
23 51 16 00-0249 EA 42" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,552.91	56.32
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	241.22	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	482.44	
23 51 16 00-0250 EA 48" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	3,103.07	61.92
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	294.82	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	589.65	
<b>23 51 16 00-0251</b> <b>Ventilated Roof Thimbles</b> <small>(23 51 16 00-0175)</small>		
23 51 16 00-0252 EA 6" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	343.45	15.87
<i>For 316 Stainless Steel, Add</i>	30.38	
23 51 16 00-0253 EA 8" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	372.10	18.77
<i>For 316 Stainless Steel, Add</i>	32.52	
23 51 16 00-0254 EA 10" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	407.16	20.64
<i>For 316 Stainless Steel, Add</i>	35.56	
23 51 16 00-0255 EA 12" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	439.76	22.97
<i>For 316 Stainless Steel, Add</i>	38.24	
23 51 16 00-0256 EA 14" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	562.81	24.32
<i>For 316 Stainless Steel, Add</i>	50.21	
23 51 16 00-0257 EA 16" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	500.48	25.80
<i>For 316 Stainless Steel, Add</i>	43.60	
23 51 16 00-0258 EA 18" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	538.76	27.55
<i>For 316 Stainless Steel, Add</i>	46.99	
23 51 16 00-0259 EA 20" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	600.64	38.70
<i>For 316 Stainless Steel, Add</i>	50.39	
23 51 16 00-0260 EA 24" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	673.31	44.18
<i>For 316 Stainless Steel, Add</i>	56.29	
23 51 16 00-0261 EA 28" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	771.21	47.60
<i>For 316 Stainless Steel, Add</i>	65.22	
23 51 16 00-0262 EA 32" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	861.52	51.54
<i>For 316 Stainless Steel, Add</i>	73.26	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0263	EA		36" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	958.78	61.86
			<i>For 316 Stainless Steel, Add</i> .....	80.41	
23 51 16 00-0264	EA		42" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,235.09	68.76
			<i>For 316 Stainless Steel, Add</i> .....	106.32	
23 51 16 00-0265	EA		48" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,533.50	77.34
			<i>For 316 Stainless Steel, Add</i> .....	134.01	
<b>23 51 16 00-0266</b>			<b>Exit Cones</b> <small>(23 51 16 00-0175)</small>		
23 51 16 00-0267	EA		6" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	238.66	8.97
23 51 16 00-0268	EA		8" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	251.51	9.80
23 51 16 00-0269	EA		10" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	270.58	10.32
23 51 16 00-0270	EA		12" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	282.66	10.83
23 51 16 00-0271	EA		14" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	311.98	11.16
23 51 16 00-0272	EA		16" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	341.31	11.42
23 51 16 00-0273	EA		18" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	415.41	11.80
23 51 16 00-0274	EA		20" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	514.51	22.12
23 51 16 00-0275	EA		24" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	649.18	23.81
23 51 16 00-0276	EA		28" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	776.65	24.77
23 51 16 00-0277	EA		32" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	957.93	25.80
23 51 16 00-0278	EA		36" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,088.88	28.19
23 51 16 00-0279	EA		42" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,378.12	29.47
23 51 16 00-0280	EA		48" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,765.96	30.97
<b>23 51 16 00-0281</b>			<b>Vent Top Caps</b> <small>(23 51 16 00-0175)</small>		
23 51 16 00-0282	EA		6" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	261.83	8.97
23 51 16 00-0283	EA		8" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	303.32	9.80
23 51 16 00-0284	EA		10" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	352.77	10.32
23 51 16 00-0285	EA		12" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	405.94	10.83
23 51 16 00-0286	EA		14" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	474.56	11.16
23 51 16 00-0287	EA		16" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	539.69	11.48
23 51 16 00-0288	EA		18" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	601.26	11.80
23 51 16 00-0289	EA		20" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	716.36	22.12
23 51 16 00-0290	EA		24" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	854.66	23.81
23 51 16 00-0291	EA		28" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	928.49	24.77
23 51 16 00-0292	EA		32" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,056.16	25.80
23 51 16 00-0293	EA		36" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,231.75	28.12
23 51 16 00-0294	EA		42" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,503.15	29.47
23 51 16 00-0295	EA		48" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,748.04	30.97
<b>23 51 16 00-0296</b>			<b>Roof Support Assemblies</b> <small>(23 51 16 00-0175)</small>		
23 51 16 00-0297	EA		6" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	393.23	16.51
			<i>For 316 Stainless Steel, Add</i> .....	70.40	
23 51 16 00-0298	EA		8" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	433.31	19.67
			<i>For 316 Stainless Steel, Add</i> .....	76.83	
23 51 16 00-0299	EA		10" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	475.97	21.74
			<i>For 316 Stainless Steel, Add</i> .....	84.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0300 EA 12" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	507.37	24.25
<i>For 316 Stainless Steel, Add</i>	89.34	
23 51 16 00-0301 EA 14" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	566.60	25.80
<i>For 316 Stainless Steel, Add</i>	100.42	
23 51 16 00-0302 EA 16" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	601.28	27.55
<i>For 316 Stainless Steel, Add</i>	106.49	
23 51 16 00-0303 EA 18" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	645.57	29.54
<i>For 316 Stainless Steel, Add</i>	114.36	
23 51 16 00-0304 EA 20" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	710.73	41.29
<i>For 316 Stainless Steel, Add</i>	121.50	
23 51 16 00-0305 EA 24" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	798.09	47.67
<i>For 316 Stainless Steel, Add</i>	135.80	
23 51 16 00-0306 EA 28" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	924.14	51.61
<i>For 316 Stainless Steel, Add</i>	159.03	
23 51 16 00-0307 EA 32" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,105.59	56.32
<i>For 316 Stainless Steel, Add</i>	192.98	
23 51 16 00-0308 EA 36" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,279.92	68.82
<i>For 316 Stainless Steel, Add</i>	221.56	
23 51 16 00-0309 EA 42" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,926.71	77.41
<i>For 316 Stainless Steel, Add</i>	346.64	
23 51 16 00-0310 EA 48" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,364.18	87.99
<i>For 316 Stainless Steel, Add</i>	428.83	
<b>23 51 16 00-0311 Round Stainless Steel Double Wall Flue/Vent Pipe And Fittings</b> <small>(23 51 16)</small>		
Note: With 1" insulation.		
<b>23 51 16 00-0312 Round Stainless Steel Double Wall Flue/Vent Pipe</b> <small>(23 51 16 00-0311)</small>		
Note: With 1" insulation.		
23 51 16 00-0313 LF 6" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe .....	67.26	6.90
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	5.00	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	10.01	
23 51 16 00-0314 LF 7" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe .....	82.77	7.35
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	6.43	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	12.87	
23 51 16 00-0315 LF 8" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe .....	94.92	7.94
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	7.51	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	15.01	
23 51 16 00-0316 LF 10" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe .....	130.44	8.58
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	10.90	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	21.80	
23 51 16 00-0317 LF 12" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe .....	170.00	9.42
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	14.65	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	29.30	
23 51 16 00-0318 LF 14" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe .....	217.61	9.87
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	19.30	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	38.60	
<b>23 51 16 00-0319 90 Degree Elbows</b> <small>(23 51 16 00-0311)</small>		
23 51 16 00-0320 EA 6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe .....	146.09	13.74
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	11.17	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	22.34	
23 51 16 00-0321 EA 7" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe .....	161.91	14.71
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	12.51	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	25.02	
23 51 16 00-0322 EA 8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe .....	182.63	15.87
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	14.29	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	28.59	
23 51 16 00-0323 EA 10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe .....	228.86	17.22
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	18.58	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	37.17	
23 51 16 00-0324 EA 12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe .....	273.83	18.77
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	22.69	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	45.39	
23 51 16 00-0325 EA 14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe .....	320.72	19.67
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	27.16	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	54.32	
<b>23 51 16 00-0326 45 Degree Elbows</b> <small>(23 51 16 00-0311)</small>		
23 51 16 00-0327 EA 6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe .....	118.17	13.74
<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	8.38	
<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	16.75	



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0328 EA 7" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe .....	130.64	14.71
For 2" Insulated Wall Instead Of 1" Thickness, Add	9.38	
For 3" Insulated Wall Instead Of 1" Thickness, Add	18.76	
23 51 16 00-0329 EA 8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe .....	146.90	15.87
For 2" Insulated Wall Instead Of 1" Thickness, Add	10.72	
For 3" Insulated Wall Instead Of 1" Thickness, Add	21.44	
23 51 16 00-0330 EA 10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe .....	182.39	17.22
For 2" Insulated Wall Instead Of 1" Thickness, Add	13.94	
For 3" Insulated Wall Instead Of 1" Thickness, Add	27.87	
23 51 16 00-0331 EA 12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe .....	217.08	18.77
For 2" Insulated Wall Instead Of 1" Thickness, Add	17.02	
For 3" Insulated Wall Instead Of 1" Thickness, Add	34.04	
23 51 16 00-0332 EA 14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe .....	252.85	19.67
For 2" Insulated Wall Instead Of 1" Thickness, Add	20.37	
For 3" Insulated Wall Instead Of 1" Thickness, Add	40.74	
<b>23 51 16 00-0333 Tees With Tee Caps (23 51 16 00-0311)</b>		
23 51 16 00-0334 EA 6" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe.....	245.22	13.74
For 2" Insulated Wall Instead Of 1" Thickness, Add	21.08	
For 3" Insulated Wall Instead Of 1" Thickness, Add	42.17	
23 51 16 00-0335 EA 7" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe.....	312.01	14.71
For 2" Insulated Wall Instead Of 1" Thickness, Add	27.52	
For 3" Insulated Wall Instead Of 1" Thickness, Add	55.03	
23 51 16 00-0336 EA 8" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe.....	350.58	15.87
For 2" Insulated Wall Instead Of 1" Thickness, Add	31.09	
For 3" Insulated Wall Instead Of 1" Thickness, Add	62.18	
23 51 16 00-0337 EA 10" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe.....	480.75	17.22
For 2" Insulated Wall Instead Of 1" Thickness, Add	43.78	
For 3" Insulated Wall Instead Of 1" Thickness, Add	87.55	
23 51 16 00-0338 EA 12" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe.....	663.33	18.77
For 2" Insulated Wall Instead Of 1" Thickness, Add	61.65	
For 3" Insulated Wall Instead Of 1" Thickness, Add	123.29	
23 51 16 00-0339 EA 14" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe.....	853.18	19.67
For 2" Insulated Wall Instead Of 1" Thickness, Add	80.41	
For 3" Insulated Wall Instead Of 1" Thickness, Add	160.81	
<b>23 51 16 00-0340 Joist Shields (23 51 16 00-0311)</b>		
23 51 16 00-0341 EA 6" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe .....	98.72	13.74
23 51 16 00-0342 EA 7" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe .....	106.53	14.71
23 51 16 00-0343 EA 8" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe .....	125.44	15.87
23 51 16 00-0344 EA 10" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe .....	158.30	17.22
23 51 16 00-0345 EA 12" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe .....	190.73	18.77
23 51 16 00-0346 EA 14" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe .....	227.80	19.67
<b>23 51 16 00-0347 Adjustable Roof Flashing (23 51 16 00-0311)</b>		
23 51 16 00-0348 EA 6" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe .....	119.25	13.74
23 51 16 00-0349 EA 7" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe .....	133.32	14.71
23 51 16 00-0350 EA 8" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe .....	145.08	15.87
23 51 16 00-0351 EA 10" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe .....	177.93	17.22
23 51 16 00-0352 EA 12" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe .....	221.15	18.77
23 51 16 00-0353 EA 14" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe .....	267.09	19.61
<b>23 51 16 00-0354 Vent Top Caps (23 51 16 00-0311)</b>		
23 51 16 00-0355 EA 6" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe .....	105.86	13.74
23 51 16 00-0356 EA 7" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe .....	134.21	14.71
23 51 16 00-0357 EA 8" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe .....	170.11	15.87
23 51 16 00-0358 EA 10" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe .....	277.12	17.22
23 51 16 00-0359 EA 12" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe .....	381.06	18.77
23 51 16 00-0360 EA 14" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe .....	488.69	19.67
<b>23 51 16 00-0361 Roof Support Assemblies (23 51 16 00-0311)</b>		
23 51 16 00-0362 EA 6" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe .....	162.09	13.74
23 51 16 00-0363 EA 7" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe .....	180.67	14.71
23 51 16 00-0364 EA 8" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe .....	196.01	15.87
23 51 16 00-0365 EA 10" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe .....	248.48	17.22
23 51 16 00-0366 EA 12" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe .....	295.27	18.77
23 51 16 00-0367 EA 14" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe .....	363.62	19.67
<b>23 51 16 00-0368 Polyvinyl Chloride (PVC) Flue/Vent Accessories (23 51 16)</b>		
<b>23 51 16 00-0369 Concentric Polyvinyl Chloride (PVC) Vent Termination (23 51 16 00-0368)</b>		
23 51 16 00-0370 EA 2" Concentric Polyvinyl Chloride (PVC) Vent Termination .....	135.29	26.27
23 51 16 00-0371 EA 3" Concentric Polyvinyl Chloride (PVC) Vent Termination .....	147.11	26.27



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0372				<b>Polypropylene (PP) Flue/Vent Pipe And Fittings</b> <small>(23 51 16)</small> Note: Centrotherm InnoFlue® Vent System		
23 51 16 00-0373				<b>Polypropylene Flue/Vent Rigid Pipe Sections</b> <small>(23 51 16 00-0372)</small> Note: Gasketed rigid single wall polypropylene vent lengths with dedicated male and female ends.		
	23 51 16 00-0374	EA		2" x 12" Polypropylene Flue/Vent Rigid Pipe Section .....	24.63	7.98
	23 51 16 00-0375	EA		2" x 24" Polypropylene Flue/Vent Rigid Pipe Section .....	28.16	8.40
	23 51 16 00-0376	EA		2" x 36" Polypropylene Flue/Vent Rigid Pipe Section .....	32.34	9.33
	23 51 16 00-0377	EA		2" x 72" Polypropylene Flue/Vent Rigid Pipe Section .....	40.30	10.97
	23 51 16 00-0378	EA		3" x 12" Polypropylene Flue/Vent Rigid Pipe Section .....	29.72	9.15
	23 51 16 00-0379	EA		3" x 24" Polypropylene Flue/Vent Rigid Pipe Section .....	36.19	9.63
	23 51 16 00-0380	EA		3" x 36" Polypropylene Flue/Vent Rigid Pipe Section .....	44.65	10.70
	23 51 16 00-0381	EA		3" x 72" Polypropylene Flue/Vent Rigid Pipe Section .....	55.36	12.59
	23 51 16 00-0382	EA		4" x 12" Polypropylene Flue/Vent Rigid Pipe Section .....	49.80	12.10
	23 51 16 00-0383	EA		4" x 24" Polypropylene Flue/Vent Rigid Pipe Section .....	59.16	12.73
	23 51 16 00-0384	EA		4" x 36" Polypropylene Flue/Vent Rigid Pipe Section .....	73.96	14.15
	23 51 16 00-0385	EA		4" x 72" Polypropylene Flue/Vent Rigid Pipe Section .....	96.20	16.65
	23 51 16 00-0386	EA		5" x 12" Polypropylene Flue/Vent Rigid Pipe Section .....	73.89	17.86
	23 51 16 00-0387	EA		5" x 24" Polypropylene Flue/Vent Rigid Pipe Section .....	84.86	18.79
	23 51 16 00-0388	EA		5" x 36" Polypropylene Flue/Vent Rigid Pipe Section .....	111.15	20.89
	23 51 16 00-0389	EA		5" x 72" Polypropylene Flue/Vent Rigid Pipe Section .....	145.05	24.57
23 51 16 00-0390				<b>Polypropylene Flue/Vent Elbows</b> <small>(23 51 16 00-0372)</small> Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
	23 51 16 00-0391	EA		2" Polypropylene Flue/Vent 15 Degree Elbow .....	30.49	9.69
	23 51 16 00-0392	EA		3" Polypropylene Flue/Vent 15 Degree Elbow .....	35.93	10.21
	23 51 16 00-0393	EA		4" Polypropylene Flue/Vent 15 Degree Elbow .....	45.35	10.58
	23 51 16 00-0394	EA		5" Polypropylene Flue/Vent 15 Degree Elbow .....	52.94	11.02
	23 51 16 00-0395	EA		2" Polypropylene Flue/Vent 30 Degree Elbow .....	30.49	9.69
	23 51 16 00-0396	EA		3" Polypropylene Flue/Vent 30 Degree Elbow .....	35.93	10.21
	23 51 16 00-0397	EA		4" Polypropylene Flue/Vent 30 Degree Elbow .....	45.35	10.58
	23 51 16 00-0398	EA		5" Polypropylene Flue/Vent 30 Degree Elbow .....	52.94	11.02
	23 51 16 00-0399	EA		2" Polypropylene Flue/Vent 45 Degree Elbow .....	30.49	9.69
	23 51 16 00-0400	EA		3" Polypropylene Flue/Vent 45 Degree Elbow .....	35.93	10.21
	23 51 16 00-0401	EA		4" Polypropylene Flue/Vent 45 Degree Elbow .....	45.35	10.58
	23 51 16 00-0402	EA		5" Polypropylene Flue/Vent 45 Degree Elbow .....	52.94	11.02
	23 51 16 00-0403	EA		2" Polypropylene Flue/Vent 87 Degree Elbow .....	30.49	9.69
	23 51 16 00-0404	EA		3" Polypropylene Flue/Vent 87 Degree Elbow .....	35.93	10.21
	23 51 16 00-0405	EA		4" Polypropylene Flue/Vent 87 Degree Elbow .....	44.76	10.58
	23 51 16 00-0406	EA		5" Polypropylene Flue/Vent 87 Degree Elbow .....	54.39	11.02
23 51 16 00-0407				<b>Polypropylene Flue/Vent Tees</b> <small>(23 51 16 00-0372)</small> Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
	23 51 16 00-0408	EA		2" Polypropylene Flue/Vent Tee .....	98.24	14.55
	23 51 16 00-0409	EA		3" Polypropylene Flue/Vent Tee .....	124.08	15.31
	23 51 16 00-0410	EA		4" Polypropylene Flue/Vent Tee .....	146.06	15.87
	23 51 16 00-0411	EA		5" Polypropylene Flue/Vent Tee .....	160.00	16.51
23 51 16 00-0412				<b>Polypropylene Flue/Vent Adaptors</b> <small>(23 51 16 00-0372)</small> Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
	23 51 16 00-0413	EA		2" Polypropylene Flue/Vent Adaptor With Gasket .....	36.22	9.69
	23 51 16 00-0414	EA		3" Polypropylene Flue/Vent Adaptor With Gasket .....	52.61	10.21
	23 51 16 00-0415	EA		4" Polypropylene Flue/Vent Adaptor With Gasket .....	61.50	10.58
	23 51 16 00-0416	EA		5" Polypropylene Flue/Vent Adaptor With Gasket .....	84.53	11.02
23 51 16 00-0417				<b>Polypropylene Flue/Vent Increases</b> <small>(23 51 16 00-0372)</small> Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
	23 51 16 00-0418	EA		2" to 3" Polypropylene Flue/Vent Centric Increaser .....	40.29	9.96
	23 51 16 00-0419	EA		3" to 4" Polypropylene Flue/Vent Centric Increaser .....	44.22	10.39
	23 51 16 00-0420	EA		4" to 5" Polypropylene Flue/Vent Centric Increaser .....	81.05	10.79
	23 51 16 00-0421	EA		2" to 3" Polypropylene Flue/Vent Eccentric Increaser .....	55.00	9.96
	23 51 16 00-0422	EA		3" to 4" Polypropylene Flue/Vent Eccentric Increaser .....	43.02	10.39
	23 51 16 00-0423	EA		4" to 5" Polypropylene Flue/Vent Eccentric Increaser .....	112.45	10.79
23 51 16 00-0424				<b>Polypropylene Flue/Vent Reducers</b> <small>(23 51 16 00-0372)</small> Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
	23 51 16 00-0425	EA		3" to 2" Polypropylene Flue/Vent Reducer .....	40.29	9.96
	23 51 16 00-0426	EA		4" to 3" Polypropylene Flue/Vent Reducer .....	44.22	10.39
	23 51 16 00-0427	EA		5" to 4" Polypropylene Flue/Vent Reducer .....	100.63	10.79
23 51 16 00-0428				<b>Polypropylene Flue/Vent Test Ports</b> <small>(23 51 16 00-0372)</small> Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
	23 51 16 00-0429	EA		2" Polypropylene Flue/Vent Test Port .....	50.74	14.55
	23 51 16 00-0430	EA		3" Polypropylene Flue/Vent Test Port .....	57.11	15.31
	23 51 16 00-0431	EA		4" Polypropylene Flue/Vent Test Port .....	88.85	15.87

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, And Stacks**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0432 EA 5" Polypropylene Flue/Vent Test Port.....	94.96	16.51
<b>23 51 16 00-0433 Polypropylene Flue/Vent Cascade Components</b> (23 51 16 00-0372)		
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0434 EA 4" x 15" Polypropylene Flue/Vent Branch Tee With 4" Feeder .....	148.70	15.87
23 51 16 00-0435 EA 4" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder .....	194.92	19.83
23 51 16 00-0436 EA 5" x 12" Polypropylene Flue/Vent Branch Tee With 4" Feeder .....	121.66	16.51
23 51 16 00-0437 EA 5" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder .....	180.93	20.64
23 51 16 00-0438 EA 3" to 4" Polypropylene Flue/Vent Non-Return Valve.....	191.67	10.39
23 51 16 00-0439 EA 4" to 4" Polypropylene Flue/Vent Non-Return Valve.....	222.13	10.79
<b>23 51 16 00-0440 Polypropylene Flue/Vent Condensate Management</b> (23 51 16 00-0372)		
Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0441 EA 2" Polypropylene Flue/Vent Horizontal Drain Tee.....	70.59	14.55
23 51 16 00-0442 EA 3" Polypropylene Flue/Vent Horizontal Drain Tee.....	85.75	15.31
23 51 16 00-0443 EA 4" Polypropylene Flue/Vent Horizontal Drain Tee.....	98.53	15.87
23 51 16 00-0444 EA 5" Polypropylene Flue/Vent Horizontal Drain Tee.....	112.73	16.51
23 51 16 00-0445 EA 4" Polypropylene Flue/Vent Horizontal Drain Fittings .....	125.39	15.87
23 51 16 00-0446 EA 5" Polypropylene Flue/Vent Horizontal Drain Fittings .....	138.43	16.51
23 51 16 00-0447 EA 2" Polypropylene Flue/Vent Tee Cap.....	41.35	4.85
23 51 16 00-0448 EA 3" Polypropylene Flue/Vent Tee Cap.....	53.29	5.10
23 51 16 00-0449 EA 4" Polypropylene Flue/Vent Tee Cap.....	63.48	5.29
23 51 16 00-0450 EA 5" Polypropylene Flue/Vent Tee Cap.....	83.17	5.50
23 51 16 00-0451 EA 2" Polypropylene Flue/Vent Tee Cap With Drain .....	79.19	14.55
23 51 16 00-0452 EA 3" Polypropylene Flue/Vent Tee Cap With Drain .....	97.66	15.31
23 51 16 00-0453 EA 4" Polypropylene Flue/Vent Tee Cap With Drain .....	113.31	15.87
23 51 16 00-0454 EA 5" Polypropylene Flue/Vent Tee Cap With Drain .....	137.02	16.51
<b>23 51 16 00-0455 Polypropylene Flue/Vent Terminations</b> (23 51 16 00-0372)		
23 51 16 00-0456 EA 2" Polypropylene-UV Black Flue/Vent Chimney Cover.....	104.65	9.69
23 51 16 00-0457 EA 3" Polypropylene-UV Black Flue/Vent Chimney Cover.....	92.02	10.21
23 51 16 00-0458 EA 4" Polypropylene-UV Black Flue/Vent Chimney Cover.....	115.56	10.58
23 51 16 00-0459 EA 3" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe.....	238.18	10.21
23 51 16 00-0460 EA 4" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe.....	254.38	10.58
23 51 16 00-0461 EA 5" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe.....	297.21	11.02
23 51 16 00-0462 EA 2"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	61.06	9.69
23 51 16 00-0463 EA 2"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	64.74	9.69
23 51 16 00-0464 EA 2"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	68.42	9.69
23 51 16 00-0465 EA 2"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	72.10	9.69
23 51 16 00-0466 EA 3"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	66.02	10.21
23 51 16 00-0467 EA 3"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	69.70	10.21
23 51 16 00-0468 EA 3"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	73.38	10.21
23 51 16 00-0469 EA 3"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	77.07	10.21
23 51 16 00-0470 EA 4"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	74.31	10.58
23 51 16 00-0471 EA 4"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	78.00	10.58
23 51 16 00-0472 EA 4"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	81.68	10.58
23 51 16 00-0473 EA 2" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination .....	64.70	9.69
23 51 16 00-0474 EA 3" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination .....	83.33	10.21
23 51 16 00-0475 EA 2" Polypropylene-UV Black Flue/Vent Termination Tee.....	74.59	14.55
23 51 16 00-0476 EA 3" Polypropylene-UV Black Flue/Vent Termination Tee.....	98.96	15.31
23 51 16 00-0477 EA 4" Polypropylene-UV Black Flue/Vent Termination Tee.....	117.42	15.87
23 51 16 00-0478 EA 5" Polypropylene-UV Black Flue/Vent Termination Tee.....	129.57	16.51
23 51 16 00-0479 EA 2" x 20" Polypropylene-UV Black Flue/Vent End Pipe.....	25.93	8.40
23 51 16 00-0480 EA 2" x 39" Polypropylene-UV Black Flue/Vent End Pipe.....	31.16	9.33
23 51 16 00-0481 EA 3" x 20" Polypropylene-UV Black Flue/Vent End Pipe.....	31.29	9.63
23 51 16 00-0482 EA 3" x 39" Polypropylene-UV Black Flue/Vent End Pipe.....	39.35	10.70
23 51 16 00-0483 EA 4" x 20" Polypropylene-UV Black Flue/Vent End Pipe.....	47.58	12.73
23 51 16 00-0484 EA 5" x 20" Polypropylene-UV Black Flue/Vent End Pipe.....	65.42	18.79
23 51 16 00-0485 EA 5" x 39" Polypropylene-UV Black Flue/Vent End Pipe.....	79.67	20.89
23 51 16 00-0486 EA 2" x 24" Polypropylene-UV Black Flue/Vent Vent Length.....	28.88	8.40
23 51 16 00-0487 EA 3" x 24" Polypropylene-UV Black Flue/Vent Vent Length.....	37.41	9.63
23 51 16 00-0488 EA 4" x 24" Polypropylene-UV Black Flue/Vent Vent Length.....	61.89	12.73
23 51 16 00-0489 EA 2" Polypropylene-UV Black Flue/Vent 45 Degree Elbow.....	31.66	9.69
23 51 16 00-0490 EA 3" Polypropylene-UV Black Flue/Vent 45 Degree Elbow.....	37.40	10.21
23 51 16 00-0491 EA 4" Polypropylene-UV Black Flue/Vent 45 Degree Elbow.....	47.23	10.58
23 51 16 00-0492 EA 2" Polypropylene-UV Black Flue/Vent 87 Degree Elbow.....	31.11	9.69
23 51 16 00-0493 EA 3" Polypropylene-UV Black Flue/Vent 87 Degree Elbow.....	37.03	10.21
23 51 16 00-0494 EA 4" Polypropylene-UV Black Flue/Vent 87 Degree Elbow.....	46.58	10.58
23 51 16 00-0495 EA 2" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent.....	20.61	4.85
23 51 16 00-0496 EA 3" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent.....	24.14	5.10
23 51 16 00-0497 EA 4" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent.....	27.14	5.29
23 51 16 00-0498 EA 3" Stainless Steel Bird Screen For Polypropylene Flue/Vent.....	54.31	5.10
23 51 16 00-0499 EA 5" Stainless Steel Bird Screen For Polypropylene Flue/Vent.....	62.49	5.50
<b>23 51 16 00-0500 Polypropylene Flue/Vent Accessories</b> (23 51 16 00-0372)		
23 51 16 00-0501 EA 2" Spacer For Polypropylene Flue/Vent.....	10.51	2.42
23 51 16 00-0502 EA 3" Spacer For Polypropylene Flue/Vent.....	9.96	2.55



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
	23 51	16 00-0503	EA	4" Spacer For Polypropylene Flue/Vent.....	10.26	2.64	
	23 51	16 00-0504	EA	5" Spacer For Polypropylene Flue/Vent.....	16.51	2.75	
	23 51	16 00-0505	EA	2" Flue Clamp For Polypropylene Flue/Vent.....	20.07	3.64	
	23 51	16 00-0506	EA	3" Flue Clamp For Polypropylene Flue/Vent.....	23.68	3.82	
	23 51	16 00-0507	EA	4" Flue Clamp For Polypropylene Flue/Vent.....	27.60	3.96	
	23 51	16 00-0508	EA	2" Support Clamp For Polypropylene Flue/Vent.....	19.05	3.64	
	23 51	16 00-0509	EA	4" Support Clamp For Polypropylene Flue/Vent.....	18.93	3.96	
	23 51	16 00-0510	EA	5" Support Clamp For Polypropylene Flue/Vent.....	23.22	4.13	
	23 51	16 00-0511	EA	3" Plastic Support Clamp For Polypropylene Flue/Vent.....	14.28	3.82	
	23 51	16 00-0512	EA	2" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	27.95	9.69	
	23 51	16 00-0513	EA	3" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	30.93	10.21	
	23 51	16 00-0514	EA	4" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	33.41	10.58	
	23 51	16 00-0515	EA	5" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent.....	37.51	11.02	
	23 51	16 00-0516	EA	2" Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	2.36		
	23 51	16 00-0517	EA	3" Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	2.64		
	23 51	16 00-0518	EA	4" Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	3.58		
	23 51	16 00-0519	EA	5" Single Wall EDPM Gasket For Polypropylene Flue/Vent.....	5.91		
	23 51	16 00-0520	EA	2" Connector Ring For Polypropylene Flue/Vent.....	8.59	2.42	
	23 51	16 00-0521	EA	3" Connector Ring For Polypropylene Flue/Vent.....	9.78	2.55	
	23 51	16 00-0522	EA	4" Connector Ring For Polypropylene Flue/Vent.....	10.56	2.64	
	23 51	16 00-0523	EA	5" Connector Ring For Polypropylene Flue/Vent.....	11.71	2.75	
	23 51	16 00-0524	EA	2 1/4" Polypropylene Flue/Vent Air Intake, White.....	45.04	4.85	
	23 51	16 00-0525	EA	3 1/5" Polypropylene Flue/Vent Air Intake, White.....	46.14	5.10	
	23 51	16 00-0526	EA	4 1/6" Polypropylene Flue/Vent Air Intake, White.....	33.90	5.29	
	23 51	16 00-0527	EA	2" Base Support For Polypropylene Flue/Vent.....	39.30	3.64	
	23 51	16 00-0528	EA	3" Base Support For Polypropylene Flue/Vent.....	40.51	3.82	
	23 51	16 00-0529	EA	4" Base Support For Polypropylene Flue/Vent.....	54.70	3.96	
	23 51	16 00-0530	EA	5" Base Support For Polypropylene Flue/Vent.....	93.35	4.13	
	23 51	16 00-0531	<b>Polypropylene Flue/Vent Flex Pipe</b> (23 51 16 00-0372)				
	23 51	16 00-0532	LF	2", Up To 50', Polypropylene Flue/Vent Flex Pipe.....	7.04	0.85	
	23 51	16 00-0533	LF	2", > 50', Polypropylene Flue/Vent Flex Pipe.....	6.06	0.85	
	23 51	16 00-0534	LF	3", Up To 50', Polypropylene Flue/Vent Flex Pipe.....	8.66	1.01	
	23 51	16 00-0535	LF	3", > 50', Polypropylene Flue/Vent Flex Pipe.....	7.43	1.01	
	23 51	16 00-0536	LF	4", Up To 50', Polypropylene Flue/Vent Flex Pipe.....	12.56	1.24	
	23 51	16 00-0537	LF	4", > 50', Polypropylene Flue/Vent Flex Pipe.....	10.66	1.24	
	23 51	16 00-0538	<b>Polypropylene Flue/Vent Couplers</b> (23 51 16 00-0372)				
				Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.			
	23 51	16 00-0539	EA	2" Polypropylene Flue/Vent Coupler, Single Wall to Flex.....	48.64	9.69	
	23 51	16 00-0540	EA	2" Polypropylene Flue/Vent Coupler, Flex to Single Wall.....	54.79	9.69	
	23 51	16 00-0541	EA	3" Polypropylene Flue/Vent Coupler, Flex to Single Wall.....	114.07	10.21	
	23 51	16 00-0542	EA	4" Polypropylene Flue/Vent Coupler, Flex to Single Wall.....	210.55	10.58	
	23 51	16 00-0543	EA	2" Polypropylene Flue/Vent Coupler, Flex to Flex.....	56.60	9.69	
	23 51	16 00-0544	EA	3" Polypropylene Flue/Vent Coupler, Flex to Flex.....	136.53	10.21	
	23 51	16 00-0545	EA	4" Polypropylene Flue/Vent Coupler, Flex to Flex.....	357.82	10.58	
	23 51	16 00-0546	<b>Polypropylene Flue/Vent Flex End Terminations</b> (23 51 16 00-0372)				
	23 51	16 00-0547	EA	2" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination.....	64.76	9.69	
	23 51	16 00-0548	EA	3" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination.....	59.50	10.21	
	23 51	16 00-0549	EA	4" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination.....	74.12	10.58	
	23 51	16 00-0550	<b>Aluminum Flue/Vent Fittings</b> (23 51 16)				
	23 51	16 00-0551	<b>Aluminum Vent Top Caps</b> (23 51 16 00-0550)				
	23 51	16 00-0552	EA	3" Aluminum Vent Cap (Star-Kap® 3-SK).....	61.29	9.61	
	23 51	16 00-0553	EA	4" Aluminum Vent Cap (Star-Kap® 4-SK).....	65.23	9.42	
	23 51	16 00-0554	EA	5" Aluminum Vent Cap (Star-Kap® 5-SK).....	70.82	9.87	
	23 51	16 00-0555	EA	6" Aluminum Vent Cap (Star-Kap® 6-SK).....	99.75	10.32	
	23 51	16 00-0556	EA	8" Aluminum Vent Cap (Star-Kap® 8-SK).....	111.59	11.48	
	23 51	16 00-0557	EA	10" Aluminum Vent Cap (Star-Kap® 10-SK).....	324.27	12.12	
	23 51	16 00-0558	EA	12" Aluminum Vent Cap (Star-Kap® 12-SK).....	332.20	12.90	
	<b>23 52 Heating Boilers</b> (23 50)						
	<b>23 52 13 Electric Boilers</b> (23 52)						
	<b>23 52 13 00-0001 Packaged Electric Steam Boiler</b> (23 52 13)						
				Note: Includes burners, standard controls and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Rated by KW and MBH output.			
	23 52	13 00-0002	EA	12 KW, 42 MBH Electric Steam Boiler With Packaged Standard Controls.....	6,853.27	401.68	
	23 52	13 00-0003	EA	24 KW, 84 MBH Electric Steam Boiler With Packaged Standard Controls.....	7,445.49	468.63	
	23 52	13 00-0004	EA	36 KW, 126 MBH Electric Steam Boiler With Packaged Standard Controls.....	8,154.08	502.11	
	23 52	13 00-0005	EA	48 KW, 168 MBH Electric Steam Boiler With Packaged Standard Controls.....	9,174.35	535.59	
	23 52	13 00-0006	EA	60 KW, 210 MBH Electric Steam Boiler With Packaged Standard Controls.....	10,167.11	569.06	
	23 52	13 00-0007	EA	80 KW, 280 MBH Electric Steam Boiler With Packaged Standard Controls.....	11,950.97	636.01	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)**

**23 50 Central Heating Equipment**

**23 52 Heating Boilers**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 13 00-0008 EA 100 KW, 350 MBH Electric Steam Boiler With Packaged Standard Controls	13,734.84	702.95
23 52 13 00-0009 EA 120 KW, 420 MBH Electric Steam Boiler With Packaged Standard Controls	14,150.12	736.43
23 52 13 00-0010 EA 140 KW, 490 MBH Electric Steam Boiler With Packaged Standard Controls	14,556.23	769.90
23 52 13 00-0011 EA 160 KW, 560 MBH Electric Steam Boiler With Packaged Standard Controls	19,548.38	836.85
23 52 13 00-0012 EA 180 KW, 630 MBH Electric Steam Boiler With Packaged Standard Controls	20,440.30	870.32
23 52 13 00-0013 EA 200 KW, 700 MBH Electric Steam Boiler With Packaged Standard Controls	21,269.51	872.43
23 52 13 00-0014 EA 220 KW, 770 MBH Electric Steam Boiler With Packaged Standard Controls	22,223.74	937.06
23 52 13 00-0015 EA 240 KW, 840 MBH Electric Steam Boiler With Packaged Standard Controls	24,076.30	1,001.68
23 52 13 00-0016 EA 260 KW, 910 MBH Electric Steam Boiler With Packaged Standard Controls	26,030.13	1,098.62
23 52 13 00-0017 EA 280 KW, 980 MBH Electric Steam Boiler With Packaged Standard Controls	27,469.75	1,130.93
23 52 13 00-0018 EA 300 KW, 1,050 MBH Electric Steam Boiler With Packaged Standard Controls	28,909.34	1,163.24
23 52 13 00-0019 EA 320 KW, 1,120 MBH Electric Steam Boiler With Packaged Standard Controls	29,890.61	1,195.56
23 52 13 00-0020 EA 360 KW, 1,260 MBH Electric Steam Boiler With Packaged Standard Controls	30,871.88	1,227.87
23 52 13 00-0021 EA 400 KW, 1,400 MBH Electric Steam Boiler With Packaged Standard Controls	33,017.77	1,292.49
23 52 13 00-0022 EA 460 KW, 1,610 MBH Electric Steam Boiler With Packaged Standard Controls	35,163.64	1,357.12
23 52 13 00-0023 EA 500 KW, 1,750 MBH Electric Steam Boiler With Packaged Standard Controls	37,244.90	1,389.43
23 52 13 00-0024 EA 600 KW, 2,100 MBH Electric Steam Boiler With Packaged Standard Controls	41,892.77	1,421.74
23 52 13 00-0025 EA 700 KW, 2,450 MBH Electric Steam Boiler With Packaged Standard Controls	45,046.97	1,486.37
23 52 13 00-0026 EA 756 KW, 2,646 MBH Electric Steam Boiler With Packaged Standard Controls	46,184.53	1,550.99
23 52 13 00-0027 EA 828 KW, 2,898 MBH Electric Steam Boiler With Packaged Standard Controls	51,511.64	1,647.92
23 52 13 00-0028 EA 936 KW, 3,276 MBH Electric Steam Boiler With Packaged Standard Controls	52,988.83	1,744.87
23 52 13 00-0029 EA 1,008 KW, 3,528 MBH Electric Steam Boiler With Packaged Standard Controls	54,466.01	1,841.80
23 52 13 00-0030 EA 1,116 KW, 3,906 MBH Electric Steam Boiler With Packaged Standard Controls	58,509.82	1,938.73
23 52 13 00-0031 EA 1,224 KW, 4,284 MBH Electric Steam Boiler With Packaged Standard Controls	60,289.03	2,003.37
23 52 13 00-0032 EA 1,368 KW, 4,788 MBH Electric Steam Boiler With Packaged Standard Controls	62,747.49	2,132.61
23 52 13 00-0033 EA 1,440 KW, 5,040 MBH Electric Steam Boiler With Packaged Standard Controls	65,022.62	2,261.87
23 52 13 00-0034 EA 1,512 KW, 5,292 MBH Electric Steam Boiler With Packaged Standard Controls	71,697.67	2,391.11
23 52 13 00-0035 EA 1,620 KW, 5,670 MBH Electric Steam Boiler With Packaged Standard Controls	75,806.10	2,520.36

**23 52 13 00-0036 Packaged Electric Hot Water Boiler (23 52 13)**

Note: Flush jacketed steel shell. Includes burners, and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.). Rated by KW and MBH output.

23 52 13 00-0037 EA 9 KW, 31 MBH, Electric Hot Boiler With Packaged Standard Controls	5,319.58	368.21
23 52 13 00-0038 EA 12 KW, 41 MBH, Electric Hot Boiler With Packaged Standard Controls	5,719.85	401.68
23 52 13 00-0039 EA 18 KW, 61 MBH, Electric Hot Boiler With Packaged Standard Controls	6,120.11	435.16
23 52 13 00-0040 EA 24 KW, 82 MBH, Electric Hot Boiler With Packaged Standard Controls	6,462.05	468.63
23 52 13 00-0041 EA 36 KW, 123 MBH, Electric Hot Boiler With Packaged Standard Controls	6,812.31	502.11
23 52 13 00-0042 EA 48 KW, 164 MBH, Electric Hot Boiler With Packaged Standard Controls	7,154.25	535.59
23 52 13 00-0043 EA 60 KW, 205 MBH Electric Hot Boiler With Packaged Standard Controls	7,554.52	569.06
23 52 13 00-0044 EA 72 KW, 246 MBH Electric Hot Boiler With Packaged Standard Controls	8,121.45	602.53
23 52 13 00-0045 EA 84 KW, 287 MBH Electric Hot Boiler With Packaged Standard Controls	8,463.38	636.01
23 52 13 00-0046 EA 90 KW, 307 MBH Electric Hot Boiler With Packaged Standard Controls	8,796.99	669.48
23 52 13 00-0047 EA 105 KW, 358 MBH Electric Hot Boiler With Packaged Standard Controls	9,363.92	702.95
23 52 13 00-0048 EA 120 KW, 409 MBH Electric Hot Boiler With Packaged Standard Controls	9,847.51	736.43
23 52 13 00-0049 EA 135 KW, 461 MBH Electric Hot Boiler With Packaged Standard Controls	10,622.77	769.90
23 52 13 00-0050 EA 150 KW, 512 MBH Electric Hot Boiler With Packaged Standard Controls	11,023.04	803.37
23 52 13 00-0051 EA 165 KW, 563 MBH Electric Hot Boiler With Packaged Standard Controls	11,464.98	836.85
23 52 13 00-0052 EA 180 KW, 614 MBH Electric Hot Boiler With Packaged Standard Controls	12,631.87	870.32
23 52 13 00-0053 EA 195 KW, 665 MBH Electric Hot Boiler With Packaged Standard Controls	13,744.39	872.43
23 52 13 00-0054 EA 225 KW, 768 MBH Electric Hot Boiler With Packaged Standard Controls	14,973.59	937.06
23 52 13 00-0055 EA 240 KW, 819 MBH Electric Hot Boiler With Packaged Standard Controls	16,211.13	1,001.68
23 52 13 00-0056 EA 270 KW, 921 MBH Electric Hot Boiler With Packaged Standard Controls	17,504.95	1,098.62
23 52 13 00-0057 EA 300 KW, 1,024 MBH Electric Hot Boiler With Packaged Standard Controls	18,742.50	1,163.24
23 52 13 00-0058 EA 330 KW, 1,126 MBH Electric Hot Boiler With Packaged Standard Controls	19,746.71	1,227.87
23 52 13 00-0059 EA 360 KW, 1,228 MBH Electric Hot Boiler With Packaged Standard Controls	20,686.30	1,260.18
23 52 13 00-0060 EA 390 KW, 1,331 MBH Electric Hot Boiler With Packaged Standard Controls	22,034.21	1,292.49
23 52 13 00-0061 EA 420 KW, 1,433 MBH Electric Hot Boiler With Packaged Standard Controls	23,380.07	1,357.12
23 52 13 00-0062 EA 450 KW, 1,535 MBH Electric Hot Boiler With Packaged Standard Controls	24,713.35	1,357.12
23 52 13 00-0063 EA 504 KW, 1,720 MBH Electric Hot Boiler With Packaged Standard Controls	27,111.22	1,389.43
23 52 13 00-0064 EA 612 KW, 2,088 MBH Electric Hot Boiler With Packaged Standard Controls	28,467.46	1,421.74
23 52 13 00-0065 EA 684 KW, 2,334 MBH Electric Hot Boiler With Packaged Standard Controls	29,888.32	1,486.37
23 52 13 00-0066 EA 720 KW, 2,457 MBH Electric Hot Boiler With Packaged Standard Controls	31,244.55	1,518.68
23 52 13 00-0067 EA 750 KW, 2,559 MBH Electric Hot Boiler With Packaged Standard Controls	32,600.80	1,550.99
23 52 13 00-0068 EA 810 KW, 2,764 MBH Electric Hot Boiler With Packaged Standard Controls	33,627.97	1,647.92
23 52 13 00-0069 EA 900 KW, 3,071 MBH Electric Hot Boiler With Packaged Standard Controls	35,488.45	1,744.87
23 52 13 00-0070 EA 1,020 KW, 3,480 MBH Electric Hot Boiler With Packaged Standard Controls	41,848.74	1,841.80
23 52 13 00-0071 EA 1,110 KW, 3,787 MBH Electric Hot Boiler With Packaged Standard Controls	46,042.46	1,938.73
23 52 13 00-0072 EA 1,200 KW, 4,094 MBH Electric Hot Boiler With Packaged Standard Controls	48,171.62	2,003.37
23 52 13 00-0073 EA 1350 KW, 4,606 MBH Electric Hot Boiler With Packaged Standard Controls	50,513.37	2,132.61
23 52 13 00-0074 EA 1,440 KW, 4,913 MBH Electric Hot Boiler With Packaged Standard Controls	52,855.12	2,261.87
23 52 13 00-0075 EA 1,560 KW, 5,323 MBH Electric Hot Boiler With Packaged Standard Controls	59,113.38	2,391.11
23 52 13 00-0076 EA 1,680 KW, 5,732 MBH Electric Hot Boiler With Packaged Standard Controls	63,038.40	2,520.36
23 52 13 00-0077 EA 1,740 KW, 5,937 MBH Electric Hot Boiler With Packaged Standard Controls	64,750.92	2,584.99
23 52 13 00-0078 EA 1,800 KW, 6,142 MBH Electric Hot Boiler With Packaged Standard Controls	66,463.44	2,649.61
23 52 13 00-0079 EA 1,980 KW, 6,756 MBH Electric Hot Boiler With Packaged Standard Controls	66,657.31	2,746.54
23 52 13 00-0080 EA 2,100 KW, 7,165 MBH Electric Hot Boiler With Packaged Standard Controls	71,619.70	2,811.17
23 52 13 00-0081 EA 2,220 KW, 7,575 MBH Electric Hot Boiler With Packaged Standard Controls	74,980.11	2,908.11
23 52 13 00-0082 EA 2,600 KW, 8,871 MBH Electric Hot Boiler With Packaged Standard Controls	80,367.66	3,101.98
23 52 13 00-0083 EA 2,960 KW, 10,100 MBH Electric Hot Boiler With Packaged Standard Controls	85,930.35	3,425.10
23 52 13 00-0084 EA 3,240 KW, 11,055 MBH Electric Hot Boiler With Packaged Standard Controls	91,955.66	3,812.85



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				23 52 13 00-0085 EA 3,360 KW, 11,464 MBH Electric Hot Boiler With Packaged Standard Controls.....	97,730.96	4,200.60
<b>23 52 16 Condensing Boilers (23 52)</b>						
<b>23 52 16 13 Stainless-Steel Condensing Boilers (23 52 16)</b>						
<b>23 52 16 13-0001 Hamilton Evo Series Stainless Steel Condensing Boilers (23 52 16 13)</b>						
Note: Includes circulating pump, mounting rack, disconnect panel, plumbing and gas manifold, manual reset high limit and LWCO (Cal Code).						
				23 52 16 13-0002 EA 75 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW79) .....	10,744.30	267.79
				23 52 16 13-0003 EA 127 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW129) .....	9,987.35	353.49
				23 52 16 13-0004 EA 168 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW179) .....	10,633.62	397.67
				23 52 16 13-0005 EA 187 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW199.1) .....	11,340.67	441.85
				23 52 16 13-0006 EA 281 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW299) .....	14,803.18	441.85
				23 52 16 13-0007 EA 374 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW399) .....	17,316.47	535.59
				23 52 16 13-0008 EA 589 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW599) .....	23,340.73	574.41
				23 52 16 13-0009 EA 785 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW798) .....	32,760.34	706.97
Note: Includes vent manifold.						
				23 52 16 13-0010 EA 980 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW998) .....	40,139.29	773.25
Note: Includes vent manifold.						
				23 52 16 13-0011 EA 1,425 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1499) .....	58,127.73	905.81
				23 52 16 13-0012 EA 1,900 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1999) .....	64,078.75	972.08
<b>23 52 16 13-0013 Buderus SB615 Stainless Steel Condensing Boilers (23 52 16 13)</b>						
Note: Includes Riello burners. Capacity given is IBR rating.						
				23 52 16 13-0014 EA 484 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/145) .....	28,665.66	574.41
				23 52 16 13-0015 EA 612 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/185) .....	29,949.68	574.41
				23 52 16 13-0016 EA 791 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/240) .....	33,401.15	706.97
				23 52 16 13-0017 EA 1,022 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/310) .....	36,236.97	795.34
				23 52 16 13-0018 EA 1,317 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/400) .....	40,365.62	839.52
				23 52 16 13-0019 EA 1,459 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/510) .....	46,246.46	905.81
				23 52 16 13-0020 EA 2,104 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/640) .....	55,126.30	972.08
<b>23 52 16 13-0021 Buderus SB735 Stainless Steel Condensing Boilers (23 52 16 13)</b>						
Note: Includes Riello burners.						
				23 52 16 13-0022 EA 2,650 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/790) .....	59,784.12	1,060.45
				23 52 16 13-0023 EA 3,251 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/970) .....	69,346.45	1,104.64
				23 52 16 13-0024 EA 4,079 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/1200) .....	80,465.43	1,170.92
<b>23 52 16 13-0025 AERCO Benchmark Stainless-Steel Condensing Boilers (23 52 16 13)</b>						
				23 52 16 13-0026 EA 1,500 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK1.5LN) .....	36,981.60	905.81
Note: Includes gas PRV and pump delay relay.						
				23 52 16 13-0027 EA 2,000 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK2.0LN) .....	43,972.11	972.08
Note: Includes gas PRV and pump delay relay.						
				23 52 16 13-0028 EA 3,000 MBH Water, 220 Volt, 1 Phase, 230 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000).....	63,423.75	1,069.83
Note: Includes gas PRV and pump delay relay.						
				23 52 16 13-0029 EA 3,000 MBH Water, 480 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000).....	67,640.67	1,069.83
Note: Includes gas PRV and pump delay relay.						
<b>23 52 16 13-0030 Lochinvar Knight Stainless Steel Condensing Boilers (23 52 16 13)</b>						
				23 52 16 13-0031 EA 165 MBH 95.7% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN211).....	8,678.82	397.67
				23 52 16 13-0032 EA 226 MBH 96% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN286).....	11,440.09	441.85
<b>23 52 16 13-0033 Lochinvar Knight XL Stainless Steel Condensing Boilers (23 52 16 13)</b>						
				23 52 16 13-0034 EA 324 MBH 93.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN400).....	13,748.10	530.23
				23 52 16 13-0035 EA 406 MBH 93.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN501).....	17,058.46	535.59
				23 52 16 13-0036 EA 493 MBH 94.6% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN601).....	20,080.41	574.41
				23 52 16 13-0037 EA 574 MBH 94.3% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN701).....	23,094.52	574.41
				23 52 16 13-0038 EA 654 MBH 94% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBN801).....	26,604.93	640.69
<b>23 52 16 13-0039 Lochinvar SYNC Stainless Steel Condensing Boilers (23 52 16 13)</b>						
				23 52 16 13-0040 EA 941 MBH 94.1% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1000).....	36,532.97	773.25
				23 52 16 13-0041 EA 1,240 MBH 95.4% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1300).....	41,639.69	839.52
				23 52 16 13-0042 EA 1,443 MBH 96.2% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar SYNC SBN1500).....	44,716.48	905.81

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 52 16 13-0043		Lochinvar Crest Stainless Steel Condensing Boilers <small>(23 52 16 13)</small>			
23 52 16 13-0044	EA	1,380 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1500)	44,392.62		839.52
23 52 16 13-0045	EA	1,840 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2000)	53,231.80		927.90
23 52 16 13-0046	EA	2,300 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2500)	69,633.99		1,016.26
23 52 16 13-0047	EA	2,760 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3000)	76,826.71		1,069.83
23 52 16 13-0048	EA	3,220 MBH 92% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3500)	91,582.38		1,114.68

23 52 16 13-0049		Laars Neotherm Stainless Steel Condensing Boiler <small>(23 52 16 13)</small>			
Note: Compliant with SCAQMD.					
23 52 16 13-0050	EA	80 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH080)	6,338.70		265.11
23 52 16 13-0051	EA	105 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH105)	7,174.80		287.20
23 52 16 13-0052	EA	150 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH150)	8,162.91		397.67
23 52 16 13-0053	EA	210 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH210)	9,091.95		441.85
23 52 16 13-0054	EA	285 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH285)	11,607.37		441.85
23 52 16 13-0055	EA	399 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH399)	14,651.69		530.23
23 52 16 13-0056	EA	500 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH500)	18,933.83		574.41
23 52 16 13-0057	EA	600 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH600)	20,207.48		574.41
23 52 16 13-0058	EA	750 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH750)	21,981.69		662.78
23 52 16 13-0059	EA	850 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH850)	23,716.90		751.16
23 52 16 13-0060	EA	1,000 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1000)	34,318.88		795.34
23 52 16 13-0061	EA	1,700 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1700)	45,752.25		927.90
23 52 16 13-0062	EA	150 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV150)	8,776.11		397.67
23 52 16 13-0063	EA	199 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV199)	10,370.34		441.85
23 52 16 13-0064	EA	285 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV285)	13,275.64		441.85
23 52 16 13-0065	EA	399 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV399)	16,193.55		530.23
23 52 16 13-0066	EA	500 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV500)	20,302.00		574.41
23 52 16 13-0067	EA	600 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV600)	21,010.90		574.41
23 52 16 13-0068	EA	750 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV750)	23,192.73		662.78
23 52 16 13-0069	EA	800 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV800)	24,889.75		706.97
23 52 16 13-0070	EA	1,000 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV1000)	34,318.88		795.34
23 52 16 13-0071	EA	1,700 MBH, Gas Fired, Stainless Steel, Condensing Domestic Boiler (Laars Neotherm NTV1700)	45,752.25		927.90

23 52 16 16		Aluminum Condensing Boilers <small>(23 52 16)</small>			
23 52 16 16-0001		Weil McLain Aluminum Condensing Boilers <small>(23 52 16 16)</small>			
23 52 16 16-0002	EA	80 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80)	5,065.12		267.79
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.					
23 52 16 16-0003	EA	105 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80)	5,520.09		287.20
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.					
23 52 16 16-0004	EA	155 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80)	6,372.19		397.67
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.					
23 52 16 16-0005	EA	230 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80)	7,152.78		441.85
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.					
23 52 16 16-0006	EA	310 MBH Water Gas Fired Condensing Boiler (Weil McLain Ultra 80)	9,226.78		530.23
Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.					

23 52 16 16-0007		Patterson Kelly Mach Series Aluminum Condensing Boilers <small>(23 52 16 16)</small>			
23 52 16 16-0008	EA	300 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C300)	14,842.31		441.85
23 52 16 16-0009	EA	450 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C450)	16,863.46		535.59
23 52 16 16-0010	EA	750 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C750)	19,042.12		669.48
23 52 16 16-0011	EA	900 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C900)	28,427.54		751.16
23 52 16 16-0012	EA	1,050 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C1050)	29,686.22		795.34
23 52 16 16-0013	EA	1,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C1500)	46,364.66		905.81
23 52 16 16-0014	EA	2,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C2000)	50,215.15		972.08
23 52 16 16-0015	EA	2,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C2500)	58,191.05		1,060.45
23 52 16 16-0016	EA	3,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C3000)	72,195.37		1,060.45
23 52 16 16-0017	EA	4,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelly Mach C4000)	88,440.19		1,170.92

23 52 16 16-0018		Buderus GB142 Wall Hung Aluminum Condensing Boilers <small>(23 52 16 16)</small>			
Note: Includes standard controls.					
23 52 16 16-0019	EA	75 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/24)	6,170.58		267.79
Note: Includes an aluminum heat exchanger and three speed circulating pump.					
23 52 16 16-0020	EA	95 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/30)	7,096.40		287.20
Note: Includes an aluminum heat exchanger and three speed circulating pump.					
23 52 16 16-0021	EA	143 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/45)	8,153.25		353.49
Note: Includes an aluminum heat exchanger and three speed circulating pump.					
23 52 16 16-0022	EA	193 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/60)	9,047.36		441.85
Note: Includes an aluminum heat exchanger and three speed circulating pump.					
23 52 16 16-0023	EA	Optional Vertical Or Horizontal 3" Concentric Termination Kit For GB142 (Buderus 60L46)	252.31		66.95
23 52 16 16-0024	EA	Optional Stainless Steel Concentric Hood For GB142 (Buderus SJT3)	350.75		66.95
23 52 16 16-0025	EA	Optional GB Floor Stand For GB142 (Buderus 7098265)	824.41		66.95

23 52 16 16-0026		Buderus GB162 Wall Hung Aluminum Condensing Boilers <small>(23 52 16 16)</small>			
Note: Includes standard controls.					



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0027 EA 290 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/80) ..... Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.	8,262.93	441.85
23 52 16 16-0028 EA 333 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/100) ..... Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.	10,386.48	530.23
23 52 16 16-0029 EA 580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/80-TL2) ..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	20,683.28	629.64
23 52 16 16-0030 EA 580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/80-TR2) ..... Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	19,295.21	629.64
23 52 16 16-0031 EA 666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/100-TL2) ..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	24,696.05	640.69
23 52 16 16-0032 EA 666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/100-TR2) ..... Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	23,307.97	640.69
23 52 16 16-0033 EA 870 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/80-TL3) ..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	28,705.79	751.16
23 52 16 16-0034 EA 999 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/100-TL3) ..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	34,808.63	795.34
23 52 16 16-0035 EA 1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/80-TL4) ..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	35,755.95	839.52
23 52 16 16-0036 EA 1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/80-TR4) ..... Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	36,311.88	839.52
23 52 16 16-0037 EA 1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/100-TL4) ..... Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	43,714.55	839.52
23 52 16 16-0038 EA 1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/100-TR4) ..... Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	44,270.48	839.52
23 52 16 16-0039 EA EMS Control Module For Condensing Boiler (Buderus RC35) .....	574.90	66.95
<b>23 52 16 16-0040 Buderus GB312 Aluminum Condensing Boilers</b> <small>(23 52 16 16)</small> Note: Includes standard controls.		
23 52 16 16-0041 EA 305 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/90)..... Note: Includes an aluminum heat exchanger.	16,718.67	441.85
23 52 16 16-0042 EA 409 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/120)..... Note: Includes an aluminum heat exchanger.	18,541.56	535.59
23 52 16 16-0043 EA 544 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/160)..... Note: Includes an aluminum heat exchanger.	22,028.17	574.41
23 52 16 16-0044 EA 676 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/200)..... Note: Includes an aluminum heat exchanger.	25,424.80	640.69
23 52 16 16-0045 EA 810 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/240)..... Note: Includes an aluminum heat exchanger.	30,533.46	706.97
23 52 16 16-0046 EA 944 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/280)..... Note: Includes an aluminum heat exchanger.	33,730.35	773.25
23 52 16 16-0047 EA Optional CSD-1 Kit Consisting Of High And Low Gas Pressure Switches For GB312 (Buderus 7747019985).....	494.96	33.47
23 52 16 16-0048 EA Optional L4006E1125 Manual Reset Aquastat For GB312 (Buderus L4006E1125).....	223.89	33.47
23 52 16 16-0049 EA Optional Hydrolevel 550 low Water Cut-Off For GB312 (Buderus 550).....	333.74	33.47
23 52 16 16-0050 EA Optional Condensate Neutralization Tank For GB312 (Buderus 63035899).....	741.77	33.47
<b>23 52 16 19 Copper Water-Tube Condensing Boilers</b> <small>(23 52 16)</small>		
<b>23 52 16 19-0001 Laars Rheos+ Copper Fin Tube Condensing Boilers</b> <small>(23 52 16 19)</small>		
23 52 16 19-0002 EA 1,200 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	34,783.49	839.52
23 52 16 19-0003 EA 1,600 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	39,235.83	927.90
23 52 16 19-0004 EA 2,000 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	42,973.66	972.08



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 19-0005 EA 2,400 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	46,537.72	1,060.45
<b>23 52 16 23 Cast Iron Condensing Boilers (23 52 16)</b>		
<b>23 52 16 23-0001 Hydrotherm KN Cast Iron Condensing Boilers (23 52 16 23)</b>		
23 52 16 23-0002 EA 199 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-2).....	11,682.98	441.85
23 52 16 23-0003 EA 399 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-4).....	17,061.95	535.59
23 52 16 23-0004 EA 600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-6).....	28,092.82	574.41
23 52 16 23-0005 EA 1,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-10).....	37,062.32	795.34
23 52 16 23-0006 EA 1,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-16).....	49,498.78	927.90
23 52 16 23-0007 EA 1,999 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-20).....	54,021.94	972.08
23 52 16 23-0008 EA 2,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-26).....	68,877.72	1,060.45
23 52 16 23-0009 EA 3,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-30).....	75,271.99	1,060.45
<b>23 52 23 Cast-Iron Boilers (23 52)</b>		
<b>23 52 23 00-0001 Weil-McLain Model 80 Cast Iron Boiler (23 52 23)</b>		
Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
<b>23 52 23 00-0002 Gas Fired Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)</b>		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0003 EA 209 MBH Steam, 242 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 380).....	11,044.36	1,975.50
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0004 EA 297 MBH Steam, 344 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 480).....	12,143.48	2,107.21
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0005 EA 386 MBH Steam, 448 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 580).....	13,351.96	2,238.91
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0006 EA 476 MBH Steam, 551 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 680).....	14,471.69	2,370.60
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0007 EA 565 MBH Steam, 655 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 780).....	15,501.40	2,502.30
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0008 EA 654 MBH Steam, 758 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 880).....	16,932.34	2,634.01
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0009 EA 743 MBH Steam, 862 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 980).....	18,025.17	2,765.71
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0010 EA 833 MBH Steam, 965 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1080).....	18,880.69	2,897.41
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0011 EA 922 MBH Steam, 1,069 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1180).....	19,732.90	3,029.10
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0012 EA 1,018 MBH Steam, 1,172 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1280).....	20,725.95	3,160.81
Note: Includes field assembly of individual sections and testing.		
<b>23 52 23 00-0013 Gas Fired Package Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)</b>		
23 52 23 00-0014 EA 209 MBH Steam, 242 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 380).....	8,534.67	258.50
Note: Fire tested factory assembled package unit.		
23 52 23 00-0015 EA 297 MBH Steam, 344 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 480).....	9,521.49	258.50
Note: Fire tested factory assembled package unit.		
23 52 23 00-0016 EA 386 MBH Steam, 448 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 580).....	10,878.05	323.12
Note: Fire tested factory assembled package unit.		
23 52 23 00-0017 EA 476 MBH Steam, 551 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 680).....	11,884.26	323.12
Note: Fire tested factory assembled package unit.		
23 52 23 00-0018 EA 565 MBH Steam, 655 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 780).....	13,062.23	387.74
Note: Fire tested factory assembled package unit.		
23 52 23 00-0019 EA 654 MBH Steam, 758 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 880).....	14,392.96	387.74
Note: Fire tested factory assembled package unit.		
23 52 23 00-0020 EA 743 MBH Steam, 862 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 980).....	15,632.16	452.38
Note: Fire tested factory assembled package unit.		
23 52 23 00-0021 EA 833 MBH Steam, 965 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1080).....	16,634.61	517.00
Note: Fire tested factory assembled package unit.		
23 52 23 00-0022 EA 922 MBH Steam, 1,069 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1180).....	17,376.51	517.00
Note: Fire tested factory assembled package unit.		
23 52 23 00-0023 EA 1018 MBH Steam, 1172 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1280).....	18,514.68	581.62
Note: Fire tested factory assembled package unit.		
<b>23 52 23 00-0024 Gas/Oil Fired Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)</b>		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0025 EA 209 MBH Steam, 242 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 380).....	11,620.95	1,975.50
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0026 EA 297 MBH Steam, 344 MBH Water Gas/Oil Fired Cast Iron Boiler.....	12,823.14	2,107.21
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0027 EA 386 MBH Steam, 448 MBH Water Gas/Oil Fired Cast Iron Boiler.....	13,969.36	2,238.91
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0028 EA 476 MBH Steam, 551 MBH Water Gas/Oil Fired Cast Iron Boiler.....	15,256.45	2,370.60
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0029 EA 565 MBH Steam, 655 MBH Water Gas/Oil Fired Cast Iron Boiler.....	16,307.60	2,502.30
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0030 EA 654 MBH Steam, 758 MBH Water Gas/Oil Fired Cast Iron Boiler.....	17,869.16	2,634.01
Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0031 EA 743 MBH Steam, 862 MBH Water Gas/Oil Fired Cast Iron Boiler ..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	18,829.32	2,765.71
23 52 23 00-0032 EA 833 MBH Steam, 965 MBH Water Gas/Oil Fired Cast Iron Boiler ..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	19,761.38	2,897.41
23 52 23 00-0033 EA 922 MBH Steam, 1069 MBH Water Gas/Oil Fired Cast Iron Boiler ..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	20,614.61	3,029.10
23 52 23 00-0034 EA 1,018 MBH Steam, 1172 MBH Water Gas/Oil Fired Cast Iron Boiler ..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	21,635.22	3,160.81
<b>23 52 23 00-0035 Gas/Oil Fired Package Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)</b>		
23 52 23 00-0036 EA 209 MBH Steam, 242 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 380)..... Note: Fire tested factory assembled package cast iron unit.	9,111.25	258.50
23 52 23 00-0037 EA 297 MBH Steam, 344 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 480)..... Note: Fire tested factory assembled package cast iron unit.	10,201.14	258.50
23 52 23 00-0038 EA 386 MBH Steam, 448 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 580)..... Note: Fire tested factory assembled package cast iron unit.	11,495.45	323.12
23 52 23 00-0039 EA 476 MBH Steam, 551 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 680)..... Note: Fire tested factory assembled package cast iron unit.	12,669.02	323.12
23 52 23 00-0040 EA 565 MBH Steam, 655 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 780)..... Note: Fire tested factory assembled package cast iron unit.	13,868.43	387.74
23 52 23 00-0041 EA 654 MBH Steam, 758 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 880)..... Note: Fire tested factory assembled package cast iron unit.	15,329.78	387.74
23 52 23 00-0042 EA 743 MBH Steam, 862 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 980)..... Note: Fire tested factory assembled package cast iron unit.	16,436.32	452.38
23 52 23 00-0043 EA 833 MBH Steam, 965 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1080)..... Note: Fire tested factory assembled package cast iron unit.	17,515.30	517.00
23 52 23 00-0044 EA 922 MBH Steam, 1,069 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1180)..... Note: Fire tested factory assembled package cast iron unit.	18,258.22	517.00
23 52 23 00-0045 EA 1,018 MBH Steam, 1,172 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1280)..... Note: Fire tested factory assembled package cast iron unit.	19,423.95	581.62
<b>23 52 23 00-0046 Weil-McLain Model 88 Cast Iron Boiler (23 52 23)</b> Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
<b>23 52 23 00-0047 Gas Fired Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046)</b> Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0048 EA 629 MBH Steam, 730 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 488)..... Note: Includes field assembly of individual sections and testing.	18,373.35	2,963.26
23 52 23 00-0049 EA 845 MBH Steam, 979 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 588)..... Note: Includes field assembly of individual sections and testing.	20,397.93	3,144.35
23 52 23 00-0050 EA 1072 MBH Steam, 1229 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 688)..... Note: Includes field assembly of individual sections and testing.	22,922.61	3,325.44
23 52 23 00-0051 EA 1,311 MBH Steam, 1,478 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 788)..... Note: Includes field assembly of individual sections and testing.	25,137.79	3,506.53
23 52 23 00-0052 EA 1,543 MBH Steam, 1,728 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 888)..... Note: Includes field assembly of individual sections and testing.	27,053.46	3,687.60
23 52 23 00-0053 EA 1,766 MBH Steam, 1,977 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 988)..... Note: Includes field assembly of individual sections and testing.	29,865.01	3,868.69
23 52 23 00-0054 EA 1,988 MBH Steam, 2,227 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1088)..... Note: Includes field assembly of individual sections and testing.	31,799.55	4,049.78
23 52 23 00-0055 EA 2,211 MBH Steam, 2,477 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1188)..... Note: Includes field assembly of individual sections and testing.	33,501.86	4,230.87
23 52 23 00-0056 EA 2,434 MBH Steam, 2,726 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1288)..... Note: Includes field assembly of individual sections and testing.	35,800.88	4,411.96
23 52 23 00-0057 EA 2,657 MBH Steam, 2,976 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1388)..... Note: Includes field assembly of individual sections and testing.	37,634.65	4,593.05
23 52 23 00-0058 EA 2,880 MBH Steam, 3,225 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1488)..... Note: Includes field assembly of individual sections and testing.	40,459.90	4,774.14
23 52 23 00-0059 EA 3,102 MBH Steam, 3,475 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1588)..... Note: Includes field assembly of individual sections and testing.	42,200.88	4,955.22
23 52 23 00-0060 EA 3,325 MBH Steam, 3,724 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1688)..... Note: Includes field assembly of individual sections and testing.	44,052.41	5,136.31
23 52 23 00-0061 EA 3,548 MBH Steam, 3,974 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1788)..... Note: Includes field assembly of individual sections and testing.	46,124.23	5,317.40
23 52 23 00-0062 EA 3,771 MBH Steam, 4,223 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1888)..... Note: Includes field assembly of individual sections and testing.	47,795.39	5,498.49
<b>23 52 23 00-0063 Gas Fired Package Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046)</b>		
23 52 23 00-0064 EA 629 MBH Steam, 730 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 488)..... Note: Fire tested factory assembled package unit.	15,646.45	452.38
23 52 23 00-0065 EA 845 MBH Steam, 979 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 588)..... Note: Fire tested factory assembled package unit.	17,741.85	517.00
23 52 23 00-0066 EA 1,072 MBH Steam, 1,229 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 688)..... Note: Fire tested factory assembled package unit.	20,349.54	581.62
23 52 23 00-0067 EA 1,311 MBH Steam, 1,478 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 788)..... Note: Fire tested factory assembled package unit.	22,625.57	646.24
23 52 23 00-0068 EA 1,543 MBH Steam, 1,728 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 888)..... Note: Fire tested factory assembled package unit.	24,352.25	646.24
23 52 23 00-0069 EA 1,766 MBH Steam, 1,977 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 988)..... Note: Fire tested factory assembled package unit.	27,237.51	710.87

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-070 EA 1,988 MBH Steam, 2,227 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1088).....	28,985.63	710.87
Note: Fire tested factory assembled package unit.		
23 52 23 00-071 EA 2,211 MBH Steam, 2,477 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1188).....	30,758.55	775.50
Note: Fire tested factory assembled package unit.		
23 52 23 00-072 EA 2,434 MBH Steam, 2,726 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1288).....	32,872.01	775.50
Note: Fire tested factory assembled package unit.		
23 52 23 00-073 EA 2,657 MBH Steam, 2,976 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1388).....	34,776.59	840.12
Note: Fire tested factory assembled package unit.		
23 52 23 00-074 EA 2,880 MBH Steam, 3,225 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1488).....	36,618.90	904.74
Note: Fire tested factory assembled package unit.		
23 52 23 00-075 EA 3,102 MBH Steam, 3,475 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1588).....	38,174.14	904.74
Note: Fire tested factory assembled package unit.		
23 52 23 00-076 EA 3,325 MBH Steam, 3,724 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1688).....	40,097.07	969.37
Note: Fire tested factory assembled package unit.		
23 52 23 00-077 EA 3,548 MBH Steam, 3,974 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1788).....	41,981.93	969.37
Note: Fire tested factory assembled package unit.		
23 52 23 00-078 EA 3,771 MBH Steam, 4,223 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1888).....	43,745.63	1,033.99
Note: Fire tested factory assembled package unit.		
<b>23 52 23 00-079 Gas/Oil Fired Weil-McLain Model 88 Cast Iron Boiler</b> <small>(23 52 23 00-0046)</small>		
Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-080 EA 629 MBH Steam, 730 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 488).....	19,083.61	2,963.26
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-081 EA 845 MBH Steam, 979 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 588).....	21,104.12	3,144.35
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-082 EA 1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 688).....	23,812.49	3,325.44
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-083 EA 1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 788).....	26,117.47	3,506.53
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-084 EA 1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 888).....	27,933.13	3,687.60
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-085 EA 1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 988).....	30,689.57	3,868.69
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-086 EA 1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1088).....	33,037.42	4,049.78
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-087 EA 2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1188).....	34,739.72	4,230.87
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-088 EA 2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1288).....	37,014.26	4,411.96
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-089 EA 2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1388).....	39,369.50	4,593.05
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-090 EA 2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1488).....	42,282.51	4,774.14
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-091 EA 3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1588).....	44,636.82	4,955.22
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-092 EA 3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1688).....	45,874.00	5,136.31
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-093 EA 3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1788).....	47,890.71	5,317.40
Note: Includes field assembly of individual sections and testing.		
23 52 23 00-094 EA 3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1888).....	49,581.27	5,498.49
Note: Includes field assembly of individual sections and testing.		
<b>23 52 23 00-095 Gas/Oil Fired Package Weil-McLain Model 88 Cast Iron Boiler</b> <small>(23 52 23 00-0046)</small>		
23 52 23 00-096 EA 629 MBH Steam, 730 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 488).....	16,356.72	452.38
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-097 EA 845 MBH Steam, 979 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 588).....	18,448.04	517.00
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-098 EA 1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 688).....	21,229.21	581.62
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-099 EA 1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 788).....	23,605.25	646.24
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-100 EA 1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 888).....	25,233.97	646.24
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-101 EA 1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 988).....	28,062.08	710.87
Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.		
23 52 23 00-102 EA 1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1088).....	30,223.50	710.87
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-103 EA 2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1188).....	31,996.42	775.50
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-104 EA 2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1288).....	34,085.38	775.50
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-105 EA 2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1388).....	36,516.54	840.12
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-106 EA 2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1488).....	38,441.51	904.74
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-107 EA 3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1588).....	39,589.57	904.74
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-108 EA 3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1688).....	41,918.66	969.37
Note: Fire tested factory assembled package cast iron unit.		
23 52 23 00-109 EA 3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1788).....	43,748.42	969.37
Note: Fire tested factory assembled package cast iron unit.		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0110	EA			3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1888)..... Note: Fire tested factory assembled package cast iron unit.	45,511.09	1,033.99
<b>23 52 23 00-0111</b>				<b>Weil-McLain Model 94 Cast Iron Boiler</b> <small>(23 52 23)</small> Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
<b>23 52 23 00-0112</b>				<b>Gas Fired Weil-McLain Model 94 Cast Iron Boiler</b> <small>(23 52 23 00-0111)</small> Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0113	EA			1,584 MBH Steam, 1,784 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-894)..... Note: Includes field assembly of individual sections and testing.	52,044.98	5,761.88
23 52 23 00-0114	EA			1,800 MBH Steam, 2,050 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-994)..... Note: Includes field assembly of individual sections and testing.	56,541.93	6,091.14
23 52 23 00-0115	EA			2,024 MBH Steam, 2,310 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1094)..... Note: Includes field assembly of individual sections and testing.	60,635.04	6,420.39
23 52 23 00-0116	EA			2,249 MBH Steam, 2,571 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1194)..... Note: Includes field assembly of individual sections and testing.	64,639.78	6,749.65
23 52 23 00-0117	EA			2,474 MBH Steam, 2,834 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1294)..... Note: Includes field assembly of individual sections and testing.	68,682.69	7,078.89
23 52 23 00-0118	EA			2,703 MBH Steam, 3,098 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1394)..... Note: Includes field assembly of individual sections and testing.	73,644.41	7,408.15
23 52 23 00-0119	EA			2,928 MBH Steam, 3,362 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1494)..... Note: Includes field assembly of individual sections and testing.	77,444.80	7,737.39
23 52 23 00-0120	EA			3,154 MBH Steam, 3,628 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1594)..... Note: Includes field assembly of individual sections and testing.	81,116.94	8,066.65
23 52 23 00-0121	EA			3,378 MBH Steam, 3,894 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1694)..... Note: Includes field assembly of individual sections and testing.	87,192.91	8,395.89
23 52 23 00-0122	EA			3,604 MBH Steam, 4,162 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1794)..... Note: Includes field assembly of individual sections and testing.	90,862.89	8,725.15
23 52 23 00-0123	EA			3,834 MBH Steam, 4,430 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1894)..... Note: Includes field assembly of individual sections and testing.	93,989.24	9,054.39
23 52 23 00-0124	EA			4,059 MBH Steam, 4,700 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1994)..... Note: Includes field assembly of individual sections and testing.	99,847.96	9,383.65
23 52 23 00-0125	EA			4,285 MBH Steam, 4,970 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2094)..... Note: Includes field assembly of individual sections and testing.	103,549.88	9,712.89
23 52 23 00-0126	EA			4,510 MBH Steam, 5,241 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2194)..... Note: Includes field assembly of individual sections and testing.	109,546.23	10,042.15
23 52 23 00-0127	EA			4,781 MBH Steam, 5,568 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2294)..... Note: Includes field assembly of individual sections and testing.	113,451.64	10,371.40
23 52 23 00-0128	EA			4,961 MBH Steam, 5,787 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2394)..... Note: Includes field assembly of individual sections and testing.	117,739.35	10,700.66
23 52 23 00-0129	EA			5,232 MBH Steam, 6,117 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2494)..... Note: Includes field assembly of individual sections and testing.	121,400.25	11,029.90
23 52 23 00-0130	EA			5,413 MBH Steam, 6,338 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2594)..... Note: Includes field assembly of individual sections and testing.	125,171.00	11,359.16
<b>23 52 23 00-0131</b>				<b>Gas Fired Package Weil-McLain Model 94 Cast Iron Boiler</b> <small>(23 52 23 00-0111)</small>		
23 52 23 00-0132	EA			1,584 MBH Steam, 1,784 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-894)..... Note: Fire tested factory assembled package cast iron unit.	48,583.96	840.12
23 52 23 00-0133	EA			1,800 MBH Steam, 2,050 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-994)..... Note: Fire tested factory assembled package cast iron unit.	53,003.03	904.74
23 52 23 00-0134	EA			2,024 MBH Steam, 2,310 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1094)..... Note: Fire tested factory assembled package cast iron unit.	57,015.94	969.37
23 52 23 00-0135	EA			2,249 MBH Steam, 2,571 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1194)..... Note: Fire tested factory assembled package cast iron unit.	60,943.09	1,033.99
23 52 23 00-0136	EA			2,474 MBH Steam, 2,834 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1294)..... Note: Fire tested factory assembled package cast iron unit.	64,647.51	1,033.99
23 52 23 00-0137	EA			2,703 MBH Steam, 3,098 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1394)..... Note: Fire tested factory assembled package cast iron unit.	68,478.85	1,098.62
23 52 23 00-0138	EA			2,928 MBH Steam, 3,362 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1494)..... Note: Fire tested factory assembled package cast iron unit.	71,941.41	1,098.62
23 52 23 00-0139	EA			3,154 MBH Steam, 3,628 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1594)..... Note: Fire tested factory assembled package cast iron unit.	75,534.87	1,163.24
23 52 23 00-0140	EA			3,378 MBH Steam, 3,894 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1694)..... Note: Fire tested factory assembled package cast iron unit.	81,273.14	1,163.24
23 52 23 00-0141	EA			3,604 MBH Steam, 4,162 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1794)..... Note: Fire tested factory assembled package cast iron unit.	84,865.56	1,227.87
23 52 23 00-0142	EA			3,834 MBH Steam, 4,430 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1894)..... Note: Fire tested factory assembled package cast iron unit.	87,653.57	1,227.87
23 52 23 00-0143	EA			4,059 MBH Steam, 4,700 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1994)..... Note: Fire tested factory assembled package cast iron unit.	93,435.06	1,292.49
23 52 23 00-0144	EA			4,285 MBH Steam, 4,970 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2094)..... Note: Fire tested factory assembled package cast iron unit.	96,798.62	1,292.49
23 52 23 00-0145	EA			4,510 MBH Steam, 5,241 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2194)..... Note: Fire tested factory assembled package cast iron unit.	102,735.23	1,357.12
23 52 23 00-0146	EA			4,781 MBH Steam, 5,568 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2294)..... Note: Fire tested factory assembled package cast iron unit.	106,283.50	1,357.12
23 52 23 00-0147	EA			4,961 MBH Steam, 5,787 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2394)..... Note: Fire tested factory assembled package cast iron unit.	110,491.34	1,421.74
23 52 23 00-0148	EA			5,232 MBH Steam, 6,117 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2494)..... Note: Fire tested factory assembled package cast iron unit.	113,815.11	1,421.74

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0149 EA 5,413 MBH Steam, 6,338 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2594) ..... Note: Fire tested factory assembled package cast iron unit.	117,506.53	1,486.37
<b>23 52 23 00-0150 Oil Fired Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)</b> Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0151 EA 1,584 MBH Steam, 1,784 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-894) ..... Note: Includes field assembly of individual sections and testing.	48,999.81	5,761.88
23 52 23 00-0152 EA 1,800 MBH Steam, 2,050 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-994) ..... Note: Includes field assembly of individual sections and testing.	53,496.76	6,091.14
23 52 23 00-0153 EA 2,024 MBH Steam, 2,310 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1094) ..... Note: Includes field assembly of individual sections and testing.	59,000.20	6,420.39
23 52 23 00-0154 EA 2,249 MBH Steam, 2,571 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1194) ..... Note: Includes field assembly of individual sections and testing.	62,636.54	6,749.65
23 52 23 00-0155 EA 2,474 MBH Steam, 2,834 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1294) ..... Note: Includes field assembly of individual sections and testing.	66,428.41	7,078.89
23 52 23 00-0156 EA 2,703 MBH Steam, 3,098 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1394) ..... Note: Includes field assembly of individual sections and testing.	71,109.48	7,408.15
23 52 23 00-0157 EA 2,928 MBH Steam, 3,362 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1494) ..... Note: Includes field assembly of individual sections and testing.	75,099.69	7,737.39
23 52 23 00-0158 EA 3,154 MBH Steam, 3,628 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1594) ..... Note: Includes field assembly of individual sections and testing.	78,773.87	8,066.65
23 52 23 00-0159 EA 3,378 MBH Steam, 3,894 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1694) ..... Note: Includes field assembly of individual sections and testing.	85,578.48	8,395.89
23 52 23 00-0160 EA 3,604 MBH Steam, 4,162 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1794) ..... Note: Includes field assembly of individual sections and testing.	89,249.48	8,725.15
23 52 23 00-0161 EA 3,834 MBH Steam, 4,430 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1894) ..... Note: Includes field assembly of individual sections and testing.	92,919.76	9,054.39
23 52 23 00-0162 EA 4,059 MBH Steam, 4,700 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1994) ..... Note: Includes field assembly of individual sections and testing.	99,855.10	9,383.65
23 52 23 00-0163 EA 4,285 MBH Steam, 4,970 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2094) ..... Note: Includes field assembly of individual sections and testing.	103,557.02	9,712.89
23 52 23 00-0164 EA 4,510 MBH Steam, 5,241 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2194) ..... Note: Includes field assembly of individual sections and testing.	109,717.68	10,042.15
23 52 23 00-0165 EA 4,781 MBH Steam, 5,568 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2294) ..... Note: Includes field assembly of individual sections and testing.	113,622.07	10,371.40
23 52 23 00-0166 EA 4,961 MBH Steam, 5,787 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2394) ..... Note: Includes field assembly of individual sections and testing.	117,822.01	10,700.66
23 52 23 00-0167 EA 5,232 MBH Steam, 6,117 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2494) ..... Note: Includes field assembly of individual sections and testing.	121,482.91	11,029.90
23 52 23 00-0168 EA 5,413 MBH Steam, 6,338 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2594) ..... Note: Includes field assembly of individual sections and testing.	125,259.78	11,359.16
<b>23 52 23 00-0169 Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)</b>		
23 52 23 00-0170 EA 1,584 MBH Steam, 1,784 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-894) ..... Note: Fire tested factory assembled package cast iron unit.	45,373.46	840.12
23 52 23 00-0171 EA 1,800 MBH Steam, 2,050 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-994) ..... Note: Fire tested factory assembled package cast iron unit.	49,792.53	904.74
23 52 23 00-0172 EA 2,024 MBH Steam, 2,310 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094) ..... Note: Fire tested factory assembled package cast iron unit.	55,215.77	969.37
23 52 23 00-0173 EA 2,249 MBH Steam, 2,571 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194) ..... Note: Fire tested factory assembled package cast iron unit.	58,774.53	1,033.99
23 52 23 00-0174 EA 2,474 MBH Steam, 2,834 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294) ..... Note: Fire tested factory assembled package cast iron unit.	62,227.90	1,033.99
23 52 23 00-0175 EA 2,703 MBH Steam, 3,098 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394) ..... Note: Fire tested factory assembled package cast iron unit.	65,778.61	1,098.62
23 52 23 00-0176 EA 2,928 MBH Steam, 3,362 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494) ..... Note: Fire tested factory assembled package cast iron unit.	69,430.97	1,098.62
23 52 23 00-0177 EA 3,154 MBH Steam, 3,628 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594) ..... Note: Fire tested factory assembled package cast iron unit.	73,024.44	1,163.24
23 52 23 00-0178 EA 3,378 MBH Steam, 3,894 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694) ..... Note: Fire tested factory assembled package cast iron unit.	79,493.39	1,163.24
23 52 23 00-0179 EA 3,604 MBH Steam, 4,162 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794) ..... Note: Fire tested factory assembled package cast iron unit.	83,084.79	1,227.87
23 52 23 00-0180 EA 3,834 MBH Steam, 4,430 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894) ..... Note: Fire tested factory assembled package cast iron unit.	86,418.77	1,227.87
23 52 23 00-0181 EA 4,059 MBH Steam, 4,700 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994) ..... Note: Fire tested factory assembled package cast iron unit.	93,276.88	1,292.49
23 52 23 00-0182 EA 4,285 MBH Steam, 4,970 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094) ..... Note: Fire tested factory assembled package cast iron unit.	96,640.45	1,292.49
23 52 23 00-0183 EA 4,510 MBH Steam, 5,241 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194) ..... Note: Fire tested factory assembled package cast iron unit.	102,720.94	1,357.12
23 52 23 00-0184 EA 4,781 MBH Steam, 5,568 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294) ..... Note: Fire tested factory assembled package cast iron unit.	106,288.61	1,357.12
23 52 23 00-0185 EA 4,961 MBH Steam, 5,787 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394) ..... Note: Fire tested factory assembled package cast iron unit.	110,408.68	1,421.74
23 52 23 00-0186 EA 5,232 MBH Steam, 6,117 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494) ..... Note: Fire tested factory assembled package cast iron unit.	113,732.45	1,421.74
23 52 23 00-0187 EA 5,413 MBH Steam, 6,338 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594) ..... Note: Fire tested factory assembled package cast iron unit.	117,429.99	1,486.37



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 52 23 00-0188</b>				<b>Gas/Oil Fired Weil-McLain Model 94 Cast Iron Boiler</b> <small>(23 52 23 00-0111)</small>		
				Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
	23 52 23 00-0189	EA		1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-894).....	53,002.21	5,761.88
				Note: Includes field assembly of individual sections and testing.		
	23 52 23 00-0190	EA		1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-994).....	57,500.18	6,091.14
				Note: Includes field assembly of individual sections and testing.		
	23 52 23 00-0191	EA		2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1094).....	61,854.54	6,420.39
				Note: Includes field assembly of individual sections and testing.		
	23 52 23 00-0192	EA		2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1194).....	65,962.35	6,749.65
				Note: Includes field assembly of individual sections and testing.		
	23 52 23 00-0193	EA		2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1294).....	69,981.79	7,078.89
				Note: Includes field assembly of individual sections and testing.		
	23 52 23 00-0194	EA		2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1394).....	74,124.04	7,408.15
				Note: Includes field assembly of individual sections and testing.		
	23 52 23 00-0195	EA		2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1494).....	79,037.80	7,737.39
				Note: Includes field assembly of individual sections and testing.		
	23 52 23 00-0196	EA		3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1594).....	82,960.98	8,066.65
				Note: Includes field assembly of individual sections and testing.		
	23 52 23 00-0197	EA		3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1694).....	89,197.18	8,395.89
				Note: Includes field assembly of individual sections and testing.		
	23 52 23 00-0198	EA		3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1794).....	92,867.15	8,725.15
				Note: Includes field assembly of individual sections and testing.		
	23 52 23 00-0199	EA		3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1894).....	96,064.94	9,054.39
				Note: Includes field assembly of individual sections and testing.		
	23 52 23 00-0200	EA		4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1994).....	101,993.05	9,383.65
				Note: Includes field assembly of individual sections and testing.		
	23 52 23 00-0201	EA		4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2094).....	106,715.47	9,712.89
				Note: Includes field assembly of individual sections and testing.		
	23 52 23 00-0202	EA		4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2194).....	113,258.81	10,042.15
				Note: Includes field assembly of individual sections and testing.		
	23 52 23 00-0203	EA		4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2294).....	117,133.61	10,371.40
				Note: Includes field assembly of individual sections and testing.		
	23 52 23 00-0204	EA		4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2394).....	121,611.13	10,700.66
				Note: Includes field assembly of individual sections and testing.		
	23 52 23 00-0205	EA		5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2494).....	125,273.05	11,029.90
				Note: Includes field assembly of individual sections and testing.		
	23 52 23 00-0206	EA		5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2594).....	129,046.86	11,359.16
				Note: Includes field assembly of individual sections and testing.		
<b>23 52 23 00-0207</b>				<b>Gas/Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler</b> <small>(23 52 23 00-0111)</small>		
	23 52 23 00-0208	EA		1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-894).....	49,615.68	840.12
				Note: Fire tested factory assembled package cast iron unit.		
	23 52 23 00-0209	EA		1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-994).....	54,035.77	904.74
				Note: Fire tested factory assembled package cast iron unit.		
	23 52 23 00-0210	EA		2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094).....	58,312.99	969.37
				Note: Fire tested factory assembled package cast iron unit.		
	23 52 23 00-0211	EA		2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194).....	62,341.18	1,033.99
				Note: Fire tested factory assembled package cast iron unit.		
	23 52 23 00-0212	EA		2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294).....	66,022.12	1,033.99
				Note: Fire tested factory assembled package cast iron unit.		
	23 52 23 00-0213	EA		2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394).....	69,032.98	1,098.62
				Note: Fire tested factory assembled package cast iron unit.		
	23 52 23 00-0214	EA		2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494).....	73,608.90	1,098.62
				Note: Fire tested factory assembled package cast iron unit.		
	23 52 23 00-0215	EA		3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594).....	77,452.39	1,163.24
				Note: Fire tested factory assembled package cast iron unit.		
	23 52 23 00-0216	EA		3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694).....	83,352.92	1,163.24
				Note: Fire tested factory assembled package cast iron unit.		
	23 52 23 00-0217	EA		3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794).....	86,943.30	1,227.87
				Note: Fire tested factory assembled package cast iron unit.		
	23 52 23 00-0218	EA		3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894).....	89,803.76	1,227.87
				Note: Fire tested factory assembled package cast iron unit.		
	23 52 23 00-0219	EA		4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994).....	95,654.64	1,292.49
				Note: Fire tested factory assembled package cast iron unit.		
	23 52 23 00-0220	EA		4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094).....	100,039.73	1,292.49
				Note: Fire tested factory assembled package cast iron unit.		
	23 52 23 00-0221	EA		4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194).....	106,502.91	1,357.12
				Note: Fire tested factory assembled package cast iron unit.		
	23 52 23 00-0222	EA		4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294).....	110,040.99	1,357.12
				Note: Fire tested factory assembled package cast iron unit.		
	23 52 23 00-0223	EA		4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394).....	114,437.61	1,421.74
				Note: Fire tested factory assembled package cast iron unit.		
	23 52 23 00-0224	EA		5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494).....	117,762.40	1,421.74
				Note: Fire tested factory assembled package cast iron unit.		
	23 52 23 00-0225	EA		5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594).....	121,457.91	1,486.37
				Note: Fire tested factory assembled package cast iron unit.		

**23 52 33 Water-Tube Boilers** (23 52)

**23 52 33 13 Finned Water-Tube Boilers** (23 52 33)

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>23 52 33 13-0001</b>	<b>Laars Pennant 85% Efficient Water, Gas Fired, Copper Fin Tube LoNox Boiler</b> <small>(23 52 33 13)</small>		
23 52 33 13-0002	EA 200 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	6,681.07	397.67
23 52 33 13-0003	EA 300 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	7,349.66	441.85
23 52 33 13-0004	EA 400 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	8,428.81	530.23
23 52 33 13-0005	EA 500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	10,845.46	552.32
23 52 33 13-0006	EA 750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	12,732.18	662.78
23 52 33 13-0007	EA 1,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	15,657.24	795.34
23 52 33 13-0008	EA 1,250 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	17,826.97	839.52
23 52 33 13-0009	EA 1,500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	19,762.17	905.81
23 52 33 13-0010	EA 1,750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	21,573.35	949.99
23 52 33 13-0011	EA 2,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant).....	23,179.89	972.08
<b>23 52 33 13-0012</b>	<b>Patterson Kelly Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler</b> <small>(23 52 33 13)</small>		
23 52 33 13-0013	EA 1,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	23,697.57	795.34
23 52 33 13-0014	EA 1,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	29,653.47	905.81
23 52 33 13-0015	EA 2,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	31,593.64	972.08
23 52 33 13-0016	EA 2,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	44,875.22	1,104.64
23 52 33 13-0017	EA 3,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire).....	47,018.72	1,237.19
<b>23 52 33 13-0018</b>	<b>Lochinvar Copper-Fin II Finned Tube Boiler</b> <small>(23 52 33 13)</small>		
23 52 33 13-0019	EA 340 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0402).....	7,918.77	356.84
	<i>For High And Low Gas Pressure Switch With Manual Reset, Add</i>	292.06	
	<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>	258.73	
23 52 33 13-0020	EA 425 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0502).....	9,508.78	445.87
	<i>For High And Low Gas Pressure Switch With Manual Reset, Add</i>	292.06	
	<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>	258.73	
23 52 33 13-0021	EA 552.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0652).....	10,211.50	535.59
	<i>For High And Low Gas Pressure Switch With Manual Reset, Add</i>	292.06	
	<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>	258.73	
23 52 33 13-0022	EA 637.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0752).....	10,490.07	535.59
	<i>For High And Low Gas Pressure Switch With Manual Reset, Add</i>	292.06	
	<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>	258.73	
23 52 33 13-0023	EA 841.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0992).....	13,013.18	669.48
	<i>For High And Low Gas Pressure Switch With Manual Reset, Add</i>	292.06	
	<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>	258.73	
23 52 33 13-0024	EA 1,071 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1262).....	15,057.62	669.48
	<i>For High And Low Gas Pressure Switch With Manual Reset, Add</i>	292.06	
	<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>	258.73	
23 52 33 13-0025	EA 1,224 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1442).....	16,410.00	669.48
	<i>For High And Low Gas Pressure Switch With Manual Reset, Add</i>	292.06	
	<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>	258.73	
23 52 33 13-0026	EA 1,530 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1802).....	17,698.98	803.37
	<i>For High And Low Gas Pressure Switch With Manual Reset, Add</i>	292.06	
	<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>	258.73	
23 52 33 13-0027	EA 1,759.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN2072).....	20,931.63	937.27
	<i>For High And Low Gas Pressure Switch With Manual Reset, Add</i>	292.06	
	<i>For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add</i>	258.73	
<b>23 52 33 13-0028</b>	<b>Raypak Cupro-Nickel Finned-Tube Boiler With Pump</b> <small>(23 52 33 13)</small>		
23 52 33 13-0029	EA 385 MBH Water, Gas Fired, On/Off, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H4-399B).....	7,651.29	490.45
23 52 33 13-0030	EA 420 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-499B).....	8,238.54	441.85
23 52 33 13-0031	EA 546 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-649B).....	9,159.26	530.23
23 52 33 13-0032	EA 630 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-749B).....	9,722.45	601.93
23 52 33 13-0033	EA 756 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-899B).....	10,799.91	662.78
23 52 33 13-0034	EA 832 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-989B).....	11,615.63	713.40
23 52 33 13-0035	EA 1,058 MBH Water, Gas Fired, Three Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H8-1259B).....	13,271.09	795.34
23 52 33 13-0036	EA 1,285 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1529B).....	15,419.19	839.52
23 52 33 13-0037	EA 1,512 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1799B).....	16,360.77	905.81
23 52 33 13-0038	EA 1,679 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1999B).....	19,555.42	927.90
23 52 33 13-0039	EA 1,739 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2069B).....	19,622.36	949.99
23 52 33 13-0040	EA 1,966 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2339B).....	22,957.70	972.08
<b>23 52 33 16</b>	<b>Steel Water-Tube Boilers</b> <small>(23 52 33)</small>		
<b>23 52 33 16-0001</b>	<b>Package Oil Fired Water Tube Boiler</b> <small>(23 52 33 16)</small>		
	Note: Steel shell with insulating jacket, standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), burner, copper finned tubes, safety devices, all controls, set-up and wiring. Excludes flue piping, fuel piping, or circulator. Rated by MBH output.		
23 52 33 16-0002	EA 200 MBH Oil Fired Water Tube Boiler, Steel Shell.....	13,449.17	517.00
	Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
	<i>For Steam System, Add</i>	2,483.04	
23 52 33 16-0003	EA 285 MBH Oil Fired Water Tube Boiler, Steel Shell.....	13,804.16	581.62
	Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.		
	<i>For Steam System, Add</i>	2,528.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 16-0004 EA 350 MBH Oil Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	14,159.14 2,573.33	646.24
23 52 33 16-0005 EA 430 MBH Oil Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	14,871.67 2,689.99	710.87
23 52 33 16-0006 EA 520 MBH Oil Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	15,591.43 2,808.09	775.50
23 52 33 16-0007 EA 600 MBH Oil Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	16,894.48 3,042.85	840.12
23 52 33 16-0008 EA 680 MBH Oil Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	17,749.17 3,200.86	872.43
23 52 33 16-0009 EA 770 MBH Oil Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	18,603.85 3,358.87	904.74
23 52 33 16-0010 EA 860 MBH Oil Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	20,177.76 3,647.81	969.37
23 52 33 16-0011 EA 1,020 MBH Oil Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	21,751.70 3,936.74	1,033.99
23 52 33 16-0012 EA 1,220 MBH Oil Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	23,635.46 4,261.79	1,163.24
23 52 33 16-0013 EA 1,440 MBH Oil Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	25,338.64 4,550.73	1,292.49
23 52 33 16-0014 EA 1,700 MBH Oil Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	27,996.06 5,056.37	1,357.12
23 52 33 16-0015 EA 2,050 MBH Oil Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	29,569.99 5,345.30	1,421.74
23 52 33 16-0016 EA 2,200 MBH Oil Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	31,866.25 5,778.70	1,486.37
23 52 33 16-0017 EA 2,450 MBH Oil Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	35,607.19 6,501.04	1,550.99
23 52 33 16-0018 EA 2,750 MBH Oil Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	38,213.29 6,970.56	1,680.24
23 52 33 16-0019 EA 3,100 MBH Oil Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	40,819.40 7,440.08	1,809.49
23 52 33 16-0020 EA 3,450 MBH Oil Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	43,606.07 7,945.72	1,938.73
23 52 33 16-0021 EA 4,300 MBH Oil Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	48,306.95 8,834.19	2,067.99
23 52 33 16-0022 EA 5,160 MBH Oil Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	50,262.94 9,173.69	2,197.23

**23 52 33 16-0023**

**Package Gas Fired Water Tube Boiler** (23 52 33 16)

Note: Steel shell with insulating jacket, standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), burner, copper finned tubes, safety devices, all controls, set-up and wiring. Excludes flue piping, fuel piping, or circulator. Rated by MBH output.



**23 Heating, Ventilating, And Air-Conditioning (HVAC)**

**23 50 Central Heating Equipment**

**23 52 Heating Boilers**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 16-0024	EA		200 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	13,146.37	517.00
			<i>For Steam System, Add</i>	2,422.48	
			<i>For LP Gas Burner, Add</i>	605.62	
23 52 33 16-0025	EA		285 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	13,495.84	581.62
			<i>For Steam System, Add</i>	2,466.52	
			<i>For LP Gas Burner, Add</i>	616.63	
23 52 33 16-0026	EA		350 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	13,845.31	646.24
			<i>For Steam System, Add</i>	2,510.56	
			<i>For LP Gas Burner, Add</i>	627.64	
23 52 33 16-0027	EA		430 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	14,547.15	710.87
			<i>For Steam System, Add</i>	2,625.08	
			<i>For LP Gas Burner, Add</i>	656.27	
23 52 33 16-0028	EA		520 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	15,248.99	775.50
			<i>For Steam System, Add</i>	2,739.60	
			<i>For LP Gas Burner, Add</i>	684.90	
23 52 33 16-0029	EA		600 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	16,523.40	840.12
			<i>For Steam System, Add</i>	2,968.63	
			<i>For LP Gas Burner, Add</i>	742.16	
23 52 33 16-0030	EA		680 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	17,358.82	872.43
			<i>For Steam System, Add</i>	3,122.79	
			<i>For LP Gas Burner, Add</i>	780.70	
23 52 33 16-0031	EA		770 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	18,194.23	904.74
			<i>For Steam System, Add</i>	3,276.95	
			<i>For LP Gas Burner, Add</i>	819.24	
23 52 33 16-0032	EA		860 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	19,732.91	969.37
			<i>For Steam System, Add</i>	3,558.84	
			<i>For LP Gas Burner, Add</i>	889.71	
23 52 33 16-0033	EA		1,020 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	21,271.61	1,033.99
			<i>For Steam System, Add</i>	3,840.72	
			<i>For LP Gas Burner, Add</i>	960.18	
23 52 33 16-0034	EA		1,220 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	23,115.73	1,163.24
			<i>For Steam System, Add</i>	4,157.85	
			<i>For LP Gas Burner, Add</i>	1,039.46	
23 52 33 16-0035	EA		1,440 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	24,783.67	1,292.49
			<i>For Steam System, Add</i>	4,439.74	
			<i>For LP Gas Burner, Add</i>	1,109.93	
23 52 33 16-0036	EA		1,700 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	27,379.43	1,357.12
			<i>For Steam System, Add</i>	4,933.04	
			<i>For LP Gas Burner, Add</i>	1,233.26	
23 52 33 16-0037	EA		2,050 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	28,918.12	1,421.74
			<i>For Steam System, Add</i>	5,214.93	
			<i>For LP Gas Burner, Add</i>	1,303.73	
23 52 33 16-0038	EA		2,220 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	31,161.53	1,486.37
			<i>For Steam System, Add</i>	5,637.76	
			<i>For LP Gas Burner, Add</i>	1,409.44	
23 52 33 16-0039	EA		2,450 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	34,814.38	1,550.99
			<i>For Steam System, Add</i>	6,342.48	
			<i>For LP Gas Burner, Add</i>	1,585.62	
23 52 33 16-0040	EA		2,750 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	37,363.22	1,680.24
			<i>For Steam System, Add</i>	6,800.55	
			<i>For LP Gas Burner, Add</i>	1,700.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 16-0041 EA 3,100 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> ..... <i>For LP Gas Burner, Add</i> .....	39,912.07  7,258.62 1,814.65	1,809.49
23 52 33 16-0042 EA 3,450 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> ..... <i>For LP Gas Burner, Add</i> .....	42,637.08  7,751.92 1,937.98	1,938.73
23 52 33 16-0043 EA 4,300 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> ..... <i>For LP Gas Burner, Add</i> .....	46,172.53  8,407.31 2,101.83	2,067.99
23 52 33 16-0044 EA 5,160 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> ..... <i>For LP Gas Burner, Add</i> .....	48,087.12  8,738.53 2,184.63	2,197.23
<b>23 52 33 16-0045 Unilux 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler</b> <sup>(23 52 33 16)</sup> Note: Compliant with BAAQMD.		
23 52 33 16-0046 EA 1,250 MBH Input/1,062 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF100).....	49,284.18	1,071.16
23 52 33 16-0047 EA 1,750 MBH Input/1,488 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF150).....	53,010.52	1,338.95
23 52 33 16-0048 EA 2,200 MBH Input/1,870 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF200).....	53,986.68	1,472.85
23 52 33 16-0049 EA 2,750 MBH Input/2,338 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF250).....	58,153.59	1,606.75
23 52 33 16-0050 EA 3,000 MBH Input/2,550 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF300).....	60,150.66	1,807.59
23 52 33 16-0051 EA 3,750 MBH Output/3,188 MBH Input, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ350).....	66,400.41	2,008.43
23 52 33 16-0052 EA 4,300 MBH Input/3,655 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ400).....	69,192.87	2,075.38
<b>23 52 33 16-0053 Unilux 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler</b> <sup>(23 52 33 16)</sup> Note: Compliant with BAAQMD.		
23 52 33 16-0054 EA 1,250 MBH, 31 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100LS).....	57,527.62	1,205.06
23 52 33 16-0055 EA 1,750 MBH, 43.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150LS).....	60,410.47	1,405.90
23 52 33 16-0056 EA 2,200 MBH, 54.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200LS).....	62,096.22	1,539.80
23 52 33 16-0057 EA 2,750 MBH, 68 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250LS).....	69,452.66	1,673.70
23 52 33 16-0058 EA 3,000 MBH, 74 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300LS).....	72,024.21	1,807.59
23 52 33 16-0059 EA 3,750 MBH, 93 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350LS).....	77,033.38	2,008.43
23 52 33 16-0060 EA 4,300 MBH, 106.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400LS).....	81,558.83	2,142.33
23 52 33 16-0061 EA 5,400 MBH, 134 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500LS).....	136,230.80	2,276.22
23 52 33 16-0062 EA 6,250 MBH, 155 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600LS).....	147,486.36	2,410.11
23 52 33 16-0063 EA 7,235 MBH, 179 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700LS).....	155,197.61	2,544.02
23 52 33 16-0064 EA 8,270 MBH, 205 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800LS).....	159,187.11	2,677.91
<b>23 52 33 16-0065 Unilux 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler</b> <sup>(23 52 33 16)</sup> Note: Compliant with BAAQMD.		
23 52 33 16-0066 EA 1,250 MBH, 31 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100HS).....	61,957.71	1,205.06
23 52 33 16-0067 EA 1,750 MBH, 43.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150HS).....	65,727.57	1,405.90
23 52 33 16-0068 EA 2,200 MBH, 54.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200HS).....	68,121.70	1,539.80
23 52 33 16-0069 EA 2,750 MBH, 68 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250HS).....	75,655.53	1,673.70
23 52 33 16-0070 EA 3,000 MBH, 74 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300HS).....	78,227.08	1,807.59
23 52 33 16-0071 EA 3,750 MBH, 93 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350HS).....	82,350.49	2,008.43

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 16-0072 EA 4,300 MBH, 106.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400HS).....	87,049.61	2,142.33
23 52 33 16-0073 EA 5,400 MBH, 134 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500HS).....	141,370.50	2,276.22
23 52 33 16-0074 EA 6,250 MBH, 155 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600HS).....	153,513.08	2,410.11
23 52 33 16-0075 EA 7,235 MBH, 179 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700HS).....	158,388.36	2,544.02
23 52 33 16-0076 EA 8,270 MBH, 205 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800HS).....	165,213.82	2,677.91
23 52 33 16-0077 EA 9,300 MBH, 230 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 900HS).....	183,735.44	2,811.81
23 52 33 16-0078 EA 10,330 MBH, 256 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1000HS).....	265,791.86	2,945.70
23 52 33 16-0079 EA 12,400 MBH, 307 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1200HS).....	279,263.09	3,079.59

**23 52 36 Fire-Box Boiler (23 52)****23 52 36 00-0001 Package Oil Fired Firebox Boilers (23 52 36)**

Note: Prices are good for 15 PSI steam or 30 PSI water. Packaged type, complete with burner and all basic safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Normally required (Boiler HP). boiler sizes are based on HP rating and gross output.

23 52 36 00-0002 EA 40 HP, 1,339 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	73,283.54	1,550.99
23 52 36 00-0003 EA 46 HP, 1,553 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	76,545.94	1,680.24
23 52 36 00-0004 EA 53 HP, 1,784 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	80,081.39	1,809.49
23 52 36 00-0005 EA 61 HP, 2,062 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	86,620.72	1,938.73
23 52 36 00-0006 EA 69 HP, 2,313 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	90,429.22	2,067.99
23 52 36 00-0007 EA 80 HP, 2,678 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	94,169.56	2,197.23
23 52 36 00-0008 EA 100 HP, 3,348 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	104,886.99	2,326.49
23 52 36 00-0009 EA 127 HP, 4,251 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	121,502.05	2,584.99
23 52 36 00-0010 EA 151 HP, 5,055 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	138,403.89	2,843.48
23 52 36 00-0011 EA 183 HP, 6,126 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	151,820.19	3,134.29
23 52 36 00-0012 EA 220 HP, 7,388 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	165,236.58	3,425.10
23 52 36 00-0013 EA 257 HP, 8,606 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	173,226.92	4,006.72
23 52 36 00-0014 EA 294 HP, 9,842 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	211,460.74	4,588.34
23 52 36 00-0015 EA 368 HP, 12,302 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	250,650.33	5,169.97
23 52 36 00-0016 EA 441 HP, 14,766 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	290,174.03	5,816.21
23 52 36 00-0017 EA 514 HP, 17,220 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	328,964.93	6,300.90

**23 52 39 Fire-Tube Boilers (23 52)****23 52 39 13 Scotch Marine Boilers (23 52 39)****23 52 39 13-0001 15 PSI Steam Scotch Marine Boilers (23 52 39 13)**

Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH output.

**23 52 39 13-0002 15 PSI Gas Fired Steam Scotch Marine Boilers (23 52 39 13-0001)**

23 52 39 13-0003 EA 30 HP, 1,033 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler .....	58,184.86	710.87
Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0004 EA 40 HP, 1,339 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler .....	62,607.19	775.50
Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0005 EA 50 HP, 1,674 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler .....	68,002.74	840.12
Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0006 EA 60 HP, 2,009 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler .....	70,836.70	969.37
Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0007 EA 70 HP, 2,343 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler .....	74,181.73	1,033.99
Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0008 EA 80 HP, 2,678 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler .....	77,616.58	1,098.62
Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0009 EA 90 HP, 3,013 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler .....	80,015.69	1,130.93
Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0010 EA 100 HP, 3,348 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler .....	84,539.80	1,163.24
Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0011 EA 125 HP, 4,184 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler .....	95,642.25	1,292.49
Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0012 EA 150 HP, 5,021 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler .....	108,786.90	1,421.74
Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0013 EA 175 HP, 5,858 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler .....	119,308.95	1,567.15
Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0014 EA 200 HP, 6,695 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler .....	129,829.64	1,712.55
Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0015 EA 250 HP, 8,369 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler .....	136,470.87	2,003.37
Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0016 EA 300 HP, 10,043 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler .....	166,309.53	2,294.18
Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0017 EA 350 HP, 11,716 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler .....	179,795.27	2,584.99
Note: Burnham Series 3. Fire tested factory assembled unit.		
23 52 39 13-0018 EA 400 HP, 13,390 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler .....	212,104.52	2,875.80
Note: Burnham Series 3. Fire tested factory assembled unit.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0019 EA 500 HP, 16,738 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	258,394.10	3,166.61
23 52 39 13-0020 EA 600 HP, 20,085 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	302,848.69	3,457.42
23 52 39 13-0021 EA 700 HP, 23,433 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	345,414.32	3,748.22
23 52 39 13-0022 EA 800 HP, 26,780 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	386,231.44	4,039.03
23 52 39 13-0023 EA 900 HP, 30,128 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	591,164.09	4,329.84
23 52 39 13-0024 EA 1,000 HP, 33,476 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	643,382.73	4,620.65
<b>23 52 39 13-0025 15 PSI Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0001)</b>		
23 52 39 13-0026 EA 30 HP, 1,033 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	53,803.98	710.87
23 52 39 13-0027 EA 40 HP, 1,339 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	57,896.56	775.50
23 52 39 13-0028 EA 50 HP, 1,674 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	62,882.49	840.12
23 52 39 13-0029 EA 60 HP, 2,009 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	68,387.17	969.37
23 52 39 13-0030 EA 70 HP, 2,343 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	71,292.54	1,033.99
23 52 39 13-0031 EA 80 HP, 2,678 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	74,194.89	1,098.62
23 52 39 13-0032 EA 90 HP, 3,013 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	76,973.57	1,130.93
23 52 39 13-0033 EA 100 HP, 3,348 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	82,592.74	1,163.24
23 52 39 13-0034 EA 125 HP, 4,184 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	95,735.09	1,292.49
23 52 39 13-0035 EA 150 HP, 5,021 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	108,887.94	1,421.74
23 52 39 13-0036 EA 175 HP, 5,858 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	119,420.91	1,567.15
23 52 39 13-0037 EA 200 HP, 6,695 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	129,952.53	1,712.55
23 52 39 13-0038 EA 250 HP, 8,369 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	136,599.22	2,003.37
23 52 39 13-0039 EA 300 HP, 10,043 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	166,467.92	2,294.18
23 52 39 13-0040 EA 350 HP, 11,716 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	179,964.58	2,584.99
23 52 39 13-0041 EA 400 HP, 13,390 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	212,306.60	2,875.80
23 52 39 13-0042 EA 500 HP, 16,738 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	258,639.88	3,166.61
23 52 39 13-0043 EA 600 HP, 20,085 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	303,138.16	3,457.42
23 52 39 13-0044 EA 700 HP, 23,433 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	345,744.75	3,748.22
23 52 39 13-0045 EA 800 HP, 26,780 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	386,602.82	4,039.03
23 52 39 13-0046 EA 900 HP, 30,128 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	591,736.37	4,329.84
23 52 39 13-0047 EA 1,000 HP, 33,476 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	644,008.78	4,620.65
<b>23 52 39 13-0048 15 PSI Gas/Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0001)</b>		
23 52 39 13-0049 EA 30 HP, 1,033 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	60,102.29	710.87
23 52 39 13-0050 EA 40 HP, 1,339 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	64,668.95	775.50
23 52 39 13-0051 EA 50 HP, 1,674 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	70,239.26	840.12
23 52 39 13-0052 EA 60 HP, 2,009 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	73,616.65	969.37
23 52 39 13-0053 EA 70 HP, 2,343 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	76,737.76	1,033.99
23 52 39 13-0054 EA 80 HP, 2,678 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	79,855.84	1,098.62
23 52 39 13-0055 EA 90 HP, 3,013 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	82,847.53	1,130.93
23 52 39 13-0056 EA 100 HP, 3,348 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	85,839.66	1,163.24
23 52 39 13-0057 EA 125 HP, 4,184 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	99,509.06	1,292.49
23 52 39 13-0058 EA 150 HP, 5,021 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	113,188.95	1,421.74
23 52 39 13-0059 EA 175 HP, 5,858 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	124,137.00	1,567.15

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0060 EA 200 HP, 6,695 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	135,080.97	1,712.55
23 52 39 13-0061 EA 250 HP, 8,369 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	141,957.05	2,003.37
23 52 39 13-0062 EA 300 HP, 10,043 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	173,021.84	2,294.18
23 52 39 13-0063 EA 350 HP, 11,716 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	187,031.89	2,584.99
23 52 39 13-0064 EA 400 HP, 13,390 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	220,673.77	2,875.80
23 52 39 13-0065 EA 500 HP, 16,738 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	268,888.57	3,166.61
23 52 39 13-0066 EA 600 HP, 20,085 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	315,191.91	3,457.42
23 52 39 13-0067 EA 700 HP, 23,433 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	359,527.09	3,748.22
23 52 39 13-0068 EA 800 HP, 26,780 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	402,037.31	4,039.03
23 52 39 13-0069 EA 900 HP, 30,128 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	615,672.23	4,329.84
23 52 39 13-0070 EA 1,000 HP, 33,476 MBH 15 PSI Steam Gas/Oil Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	670,072.45	4,620.65
<b>23 52 39 13-0071 150 PSI Steam Scotch Marine Boilers</b> <small>(23 52 39 13)</small> Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH output.		
<b>23 52 39 13-0072 150 PSI Gas Fired Steam Scotch Marine Boilers</b> <small>(23 52 39 13-0071)</small>		
23 52 39 13-0073 EA 40 HP, 1,339 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	80,458.43	775.50
23 52 39 13-0074 EA 50 HP, 1,674 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	87,394.15	840.12
23 52 39 13-0075 EA 60 HP, 2,009 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	90,924.46	969.37
23 52 39 13-0076 EA 70 HP, 2,343 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	95,195.24	1,033.99
23 52 39 13-0077 EA 80 HP, 2,678 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	99,583.14	1,098.62
23 52 39 13-0078 EA 90 HP, 3,013 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	102,664.94	1,130.93
23 52 39 13-0079 EA 100 HP, 3,348 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	108,508.03	1,163.24
23 52 39 13-0080 EA 125 HP, 4,184 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	122,786.40	1,292.49
23 52 39 13-0081 EA 150 HP, 5,021 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	139,715.94	1,421.74
23 52 39 13-0082 EA 175 HP, 5,858 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	153,220.02	1,567.15
23 52 39 13-0083 EA 200 HP, 6,695 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	166,722.75	1,712.55
23 52 39 13-0084 EA 250 HP, 8,369 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	175,007.92	2,003.37
23 52 39 13-0085 EA 300 HP, 10,043 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	213,451.33	2,294.18
23 52 39 13-0086 EA 350 HP, 11,716 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	230,619.91	2,584.99
23 52 39 13-0087 EA 400 HP, 13,390 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	272,288.62	2,875.80
23 52 39 13-0088 EA 500 HP, 16,738 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	332,117.51	3,166.61
23 52 39 13-0089 EA 600 HP, 20,085 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	389,548.86	3,457.42
23 52 39 13-0090 EA 700 HP, 23,433 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	444,542.36	3,748.22
23 52 39 13-0091 EA 800 HP, 26,780 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	497,254.84	4,039.03
23 52 39 13-0092 EA 900 HP, 30,128 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	763,320.27	4,329.84
23 52 39 13-0093 EA 1,000 HP, 33,476 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	830,840.66	4,620.65
<b>23 52 39 13-0094 150 PSI Oil Fired Steam Scotch Marine Boilers</b> <small>(23 52 39 13-0071)</small>		
23 52 39 13-0095 EA 40 HP, 1,339 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	74,333.25	775.50
23 52 39 13-0096 EA 50 HP, 1,674 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	80,739.19	840.12
23 52 39 13-0097 EA 60 HP, 2,009 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	87,737.62	969.37
23 52 39 13-0098 EA 70 HP, 2,343 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	91,440.39	1,033.99



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0099 EA 80 HP, 2,678 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	95,137.39	1,098.62
23 52 39 13-0100 EA 90 HP, 3,013 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	98,708.01	1,130.93
23 52 39 13-0101 EA 100 HP, 3,348 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	105,973.85	1,163.24
23 52 39 13-0102 EA 125 HP, 4,184 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	122,903.82	1,292.49
23 52 39 13-0103 EA 150 HP, 5,021 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	139,849.75	1,421.74
23 52 39 13-0104 EA 175 HP, 5,858 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	153,367.48	1,567.15
23 52 39 13-0105 EA 200 HP, 6,695 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	166,883.86	1,712.55
23 52 39 13-0106 EA 250 HP, 8,369 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	175,174.50	2,003.37
23 52 39 13-0107 EA 300 HP, 10,043 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	213,656.14	2,294.18
23 52 39 13-0108 EA 350 HP, 11,716 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	230,841.11	2,584.99
23 52 39 13-0109 EA 400 HP, 13,390 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	272,550.78	2,875.80
23 52 39 13-0110 EA 500 HP, 16,738 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	332,437.01	3,166.61
23 52 39 13-0111 EA 600 HP, 20,085 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	389,925.71	3,457.42
23 52 39 13-0112 EA 700 HP, 23,433 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	444,971.09	3,748.22
23 52 39 13-0113 EA 800 HP, 26,780 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	497,735.46	4,039.03
23 52 39 13-0114 EA 900 HP, 30,128 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	764,065.38	4,329.84
23 52 39 13-0115 EA 1,000 HP, 33,476 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	831,654.91	4,620.65
<b>23 52 39 13-0116 150 PSI Gas/Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0071)</b>		
23 52 39 13-0117 EA 40 HP, 1,339 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	83,137.35	775.50
23 52 39 13-0118 EA 50 HP, 1,674 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	90,302.45	840.12
23 52 39 13-0119 EA 60 HP, 2,009 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	94,537.31	969.37
23 52 39 13-0120 EA 70 HP, 2,343 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	98,518.62	1,033.99
23 52 39 13-0121 EA 80 HP, 2,678 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	102,494.17	1,098.62
23 52 39 13-0122 EA 90 HP, 3,013 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	106,346.06	1,130.93
23 52 39 13-0123 EA 100 HP, 3,348 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	110,195.67	1,163.24
23 52 39 13-0124 EA 125 HP, 4,184 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	127,811.07	1,292.49
23 52 39 13-0125 EA 150 HP, 5,021 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	145,439.70	1,421.74
23 52 39 13-0126 EA 175 HP, 5,858 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	159,495.40	1,567.15
23 52 39 13-0127 EA 200 HP, 6,695 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	173,552.48	1,712.55
23 52 39 13-0128 EA 250 HP, 8,369 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	182,140.77	2,003.37
23 52 39 13-0129 EA 300 HP, 10,043 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	222,176.24	2,294.18
23 52 39 13-0130 EA 350 HP, 11,716 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	240,027.52	2,584.99
23 52 39 13-0131 EA 400 HP, 13,390 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	283,427.55	2,875.80
23 52 39 13-0132 EA 500 HP, 16,738 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	345,763.32	3,166.61
23 52 39 13-0133 EA 600 HP, 20,085 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	405,595.04	3,457.42
23 52 39 13-0134 EA 700 HP, 23,433 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	462,887.87	3,748.22
23 52 39 13-0135 EA 800 HP, 26,780 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	517,801.38	4,039.03
23 52 39 13-0136 EA 900 HP, 30,128 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	795,179.70	4,329.84
23 52 39 13-0137 EA 1,000 HP, 33,476 MBH 150 PSI Steam Gas/Oil Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	865,534.60	4,620.65

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
23 52 39 13-0138		<b>125 PSI Water Scotch Marine Boilers</b> <small>(23 52 39 13)</small>			
		Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH output.			
23 52 39 13-0139		<b>125 PSI Gas Fired Water Scotch Marine Boilers</b> <small>(23 52 39 13-0138)</small>			
23 52 39 13-0140	EA	40 HP, 1,339 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	69,038.23		775.50
23 52 39 13-0141	EA	50 HP, 1,674 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	77,544.15		840.12
23 52 39 13-0142	EA	60 HP, 2,009 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	83,149.87		969.37
23 52 39 13-0143	EA	70 HP, 2,343 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	89,400.48		1,033.99
23 52 39 13-0144	EA	80 HP, 2,678 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	95,787.32		1,098.62
23 52 39 13-0145	EA	90 HP, 3,013 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	100,911.77		1,130.93
23 52 39 13-0146	EA	100 HP, 3,348 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	108,778.38		1,163.24
23 52 39 13-0147	EA	125 HP, 4,184 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	116,601.14		1,292.49
23 52 39 13-0148	EA	150 HP, 5,021 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	127,080.53		1,421.74
23 52 39 13-0149	EA	175 HP, 5,858 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	135,054.74		1,567.15
23 52 39 13-0150	EA	200 HP, 6,695 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	139,622.29		1,712.55
23 52 39 13-0151	EA	250 HP, 8,369 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	169,180.40		2,003.37
23 52 39 13-0152	EA	300 HP, 10,043 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	197,069.26		2,294.18
23 52 39 13-0153	EA	350 HP, 11,716 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	212,138.87		2,584.99
23 52 39 13-0154	EA	400 HP, 13,390 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	236,722.68		2,875.80
23 52 39 13-0155	EA	500 HP, 16,738 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	287,602.74		3,166.61
23 52 39 13-0156	EA	600 HP, 20,085 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	337,199.43		3,457.42
23 52 39 13-0157	EA	700 HP, 23,433 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	384,688.68		3,748.22
23 52 39 13-0158	EA	800 HP, 26,780 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	430,219.16		4,039.03
23 52 39 13-0159	EA	900 HP, 30,128 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	659,372.86		4,329.84
23 52 39 13-0160	EA	1,000 HP, 33,476 MBH Water Gas Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	717,659.96		4,620.65
23 52 39 13-0161		<b>125 PSI Oil Fired Water Scotch Marine Boilers</b> <small>(23 52 39 13-0138)</small>			
23 52 39 13-0162	EA	40 HP, 1,339 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	63,816.94		775.50
23 52 39 13-0163	EA	50 HP, 1,674 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	71,667.47		840.12
23 52 39 13-0164	EA	60 HP, 2,009 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	80,247.03		969.37
23 52 39 13-0165	EA	70 HP, 2,343 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	85,885.94		1,033.99
23 52 39 13-0166	EA	80 HP, 2,678 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	91,519.08		1,098.62
23 52 39 13-0167	EA	90 HP, 3,013 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	97,025.84		1,130.93
23 52 39 13-0168	EA	100 HP, 3,348 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	106,238.74		1,163.24
23 52 39 13-0169	EA	125 HP, 4,184 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	116,713.10		1,292.49
23 52 39 13-0170	EA	150 HP, 5,021 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	127,200.69		1,421.74
23 52 39 13-0171	EA	175 HP, 5,858 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	135,183.09		1,567.15
23 52 39 13-0172	EA	200 HP, 6,695 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	139,756.10		1,712.55
23 52 39 13-0173	EA	250 HP, 8,369 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	169,341.51		2,003.37
23 52 39 13-0174	EA	300 HP, 10,043 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	197,257.69		2,294.18
23 52 39 13-0175	EA	350 HP, 11,716 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	212,340.94		2,584.99
23 52 39 13-0176	EA	400 HP, 13,390 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	236,949.34		2,875.80
23 52 39 13-0177	EA	500 HP, 16,738 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	287,878.55		3,166.61



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0178 EA 600 HP, 20,085 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	337,524.39	3,457.42
23 52 39 13-0179 EA 700 HP, 23,433 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	385,060.07	3,748.22
23 52 39 13-0180 EA 800 HP, 26,780 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	430,634.24	4,039.03
23 52 39 13-0181 EA 900 HP, 30,128 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	660,014.27	4,329.84
23 52 39 13-0182 EA 1,000 HP, 33,476 MBH Water Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	718,358.99	4,620.65
<b>23 52 39 13-0183 125 PSI Gas/Oil Fired Water Scotch Marine Boilers</b> <small>(23 52 39 13-0138)</small>		
23 52 39 13-0184 EA 40 HP, 1,339 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	71,321.18	775.50
23 52 39 13-0185 EA 50 HP, 1,674 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	80,111.10	840.12
23 52 39 13-0186 EA 60 HP, 2,009 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	86,440.49	969.37
23 52 39 13-0187 EA 70 HP, 2,343 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	92,513.59	1,033.99
23 52 39 13-0188 EA 80 HP, 2,678 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	98,583.66	1,098.62
23 52 39 13-0189 EA 90 HP, 3,013 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	104,527.35	1,130.93
23 52 39 13-0190 EA 100 HP, 3,348 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	110,471.48	1,163.24
23 52 39 13-0191 EA 125 HP, 4,184 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	121,360.92	1,292.49
23 52 39 13-0192 EA 150 HP, 5,021 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	132,263.59	1,421.74
23 52 39 13-0193 EA 175 HP, 5,858 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	140,554.57	1,567.15
23 52 39 13-0194 EA 200 HP, 6,695 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	145,294.16	1,712.55
23 52 39 13-0195 EA 250 HP, 8,369 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	176,064.74	2,003.37
23 52 39 13-0196 EA 300 HP, 10,043 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	205,095.09	2,294.18
23 52 39 13-0197 EA 350 HP, 11,716 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	220,757.27	2,584.99
23 52 39 13-0198 EA 400 HP, 13,390 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	246,343.29	2,875.80
23 52 39 13-0199 EA 500 HP, 16,738 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	299,347.91	3,166.61
23 52 39 13-0200 EA 600 HP, 20,085 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	351,011.81	3,457.42
23 52 39 13-0201 EA 700 HP, 23,433 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	400,480.90	3,748.22
23 52 39 13-0202 EA 800 HP, 26,780 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	447,903.82	4,039.03
23 52 39 13-0203 EA 900 HP, 30,128 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	686,796.17	4,329.84
23 52 39 13-0204 EA 1,000 HP, 33,476 MBH Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	747,518.34	4,620.65

**23 53 Heating Boiler Feedwater Equipment** (23 50)

**23 53 13 Boiler Feedwater Pumps** (23 53)  
See CSI section 23 53 16 00-0001 for boiler feedwater units.

**23 53 16 Deaerators** (23 53)

23 53 16 00-0001 Boiler Feed System (23 53 16)

23 53 16 00-0002 Low Pressure Boiler Feed System (23 53 16 00-0001)  
Note: With deaerator includes pumps and accessories.

23 53 16 00-0003 EA 20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	4,029.11	836.89
23 53 16 00-0004 EA 34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	4,369.66	985.94
23 53 16 00-0005 EA 54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	4,684.48	1,020.49
23 53 16 00-0006 EA 67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	4,835.43	1,057.93
23 53 16 00-0007 EA 78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	5,119.37	1,130.64
23 53 16 00-0008 EA 104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	8,048.99	1,225.16
23 53 16 00-0009 EA 158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	9,064.19	1,308.78
23 53 16 00-0010 EA 219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	10,388.41	1,490.55
23 53 16 00-0011 EA 254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	11,422.41	1,599.63
23 53 16 00-0012 EA 305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	12,302.73	1,708.69

23 53 16 00-0013 High Pressure Boiler Feed System (23 53 16 00-0001)  
Note: With deaerator includes pumps and accessories.

23 53 16 00-0014 EA 10 HP, 100 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	5,484.34	713.51
23 53 16 00-0015 EA 20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	5,735.90	836.89



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 53 Heating Boiler Feedwater Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 53 16 00-0016 EA 34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	6,397.36	985.94
23 53 16 00-0017 EA 54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	6,902.90	1,020.49
23 53 16 00-0018 EA 67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	7,027.67	1,057.93
23 53 16 00-0019 EA 78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	8,449.50	1,130.64
23 53 16 00-0020 EA 104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	10,935.50	1,225.16
23 53 16 00-0021 EA 158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	11,231.26	1,308.78
23 53 16 00-0022 EA 183 HP, 1,800 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	12,344.13	1,401.56
23 53 16 00-0023 EA 219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	13,279.00	1,490.55
23 53 16 00-0024 EA 254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	14,205.42	1,599.63
23 53 16 00-0025 EA 305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	15,323.98	1,708.69
<b>23 53 16 00-0026 Boiler Feedwater System</b> <sup>(23 53 16)</sup> Note: With deaerator includes pumps and accessories.		
23 53 16 00-0027 EA 1,380 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	6,874.84	985.94
23 53 16 00-0028 EA 2,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	8,927.85	1,129.55
23 53 16 00-0029 EA 4,300 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	11,739.26	1,292.78
23 53 16 00-0030 EA 6,900 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	14,108.26	1,491.28
23 53 16 00-0031 EA 8,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	14,976.77	1,599.63
23 53 16 00-0032 EA 11,000 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	15,805.75	1,708.69
23 53 16 00-0033 EA 13,800 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	17,608.18	1,963.25
23 53 16 00-0034 EA 17,250 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	22,710.59	2,254.16
23 53 16 00-0035 EA 20,700 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	29,414.51	2,604.62
23 53 16 00-0036 EA 27,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	37,181.24	2,989.84
23 53 16 00-0037 EA 34,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories .....	47,557.16	3,439.91
<b>23 53 16 00-0038 Duplex Vacuum Condensate Pumps</b> <sup>(23 53 16)</sup>		
23 53 16 00-0039 EA 7 CFM, 15 GPM, 45 Gallon Duplex Vacuum Condensate Pump .....	18,640.45	581.69
Note: Two 3/4 HP vacuum pumps rated for 7 CFM, two 3/4 HP condensate pumps rated for 15 GPM at 20 PSI and 45 GAL cast iron receiver. Skidmore JVC-7-45-102.		
23 53 16 00-0040 EA 9 CFM, 30 GPM, 45 Gallon Duplex Vacuum Condensate Pump .....	19,063.98	618.04
Note: Two 1 HP vacuum pumps rated for 9 CFM, two 3/4 HP condensate pumps rated for 30 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-9-45-201.5.		
23 53 16 00-0041 EA 12 CFM, 45 GPM, 45 Gallon Duplex Vacuum Condensate Pump .....	19,551.29	654.39
Note: Two 1-1/2 HP vacuum pumps rated for 12 CFM, two 1 HP condensate pumps rated for 45 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-12-45-301.5.		
23 53 16 00-0042 EA 18 CFM, 37.5 GPM, 65 Gallon Duplex Vacuum Condensate Pump .....	21,473.77	690.75
Note: Two 2 HP vacuum pumps rated for 18 CFM, two 1 HP condensate pumps rated for 37.5 GPM at 20 PSI and 65 GAL cast iron receiver. Skidmore JVC-18-65-252.		
23 53 16 00-0043 EA 28 CFM, 60 GPM, 110 Gallon Duplex Vacuum Condensate Pump .....	25,628.72	727.10
Note: Two 3 HP vacuum pumps rated for 28 CFM, two 1-1/2 HP condensate pumps rated for 60 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-28-110-402.		
23 53 16 00-0044 EA 42 CFM, 75 GPM, 110 Gallon Duplex Vacuum Condensate Pump .....	26,977.13	763.46
Note: Two 5 HP vacuum pumps rated for 42 CFM, two 2 HP condensate pumps rated for 75 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-42-110-502.		
<b>23 54 Furnaces</b> <sup>(23 50)</sup> Note: All units based on output. See CSI section 23 84 13 00-0000 for humidifiers.		
<b>23 54 13 Electric-Resistance Furnaces</b> <sup>(23 54)</sup>		
<b>23 54 13 00-0001 Down Flow Multi-Speed Air Handler/Electric Furnace</b> <sup>(23 54 13)</sup>		
23 54 13 00-0002 EA Up To 2 Ton Down Flow Multi-Speed Air Handler/Electric Furnace.....	938.53	64.51
Note: Excludes cooling equipment.		
23 54 13 00-0003 EA >2 To 3.5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace .....	1,250.61	80.64
Note: Excludes cooling equipment.		
23 54 13 00-0004 EA >3.5 To 5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace .....	1,635.63	96.75
Note: Excludes cooling equipment.		
<b>23 54 13 00-0005 Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace</b> <sup>(23 54 13)</sup>		
23 54 13 00-0006 EA Up To 2 Ton Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace.....	938.53	64.51
Note: Excludes cooling equipment.		
23 54 13 00-0007 EA >2 To 2.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace.....	1,133.30	72.57
Note: Excludes cooling equipment.		
23 54 13 00-0008 EA >2.5 To 3 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace.....	1,235.42	80.64
Note: Excludes cooling equipment.		
23 54 13 00-0009 EA >3 To 3.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace.....	1,282.87	88.70
Note: Excludes cooling equipment.		
23 54 13 00-0010 EA >3.5 To 5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace.....	1,635.63	96.75
Note: Excludes cooling equipment.		
<b>23 54 13 00-0011 Heating Coil For Air Handler/Electric Furnace</b> <sup>(23 54 13)</sup>		
23 54 13 00-0012 EA 5 KW Heating Coil For Air Handler/Electric Furnace.....	157.04	18.38
23 54 13 00-0013 EA 7 KW Heating Coil For Air Handler/Electric Furnace.....	181.10	20.22
23 54 13 00-0014 EA 10 KW Heating Coil For Air Handler/Electric Furnace.....	196.05	22.06
23 54 13 00-0015 EA 15 KW Heating Coil For Air Handler/Electric Furnace.....	279.35	23.89
23 54 13 00-0016 EA 20 KW Heating Coil For Air Handler/Electric Furnace.....	301.89	25.73



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 54 16</b>				<b>Fuel-Fired Furnaces</b> <small>(23 54)</small>		
<b>23 54 16 13</b>				<b>Gas-Fired Furnaces</b> <small>(23 54 16)</small>		
<b>23 54 16 13-0001</b>				<b>Natural Gas Fired Forced Air Furnaces</b> <small>(23 54 16 13)</small> Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
<b>23 54 16 13-0002</b>				<b>Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace</b> <small>(23 54 16 13-0001)</small>		
23 54 16 13-0003	EA			40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 3 tons.	1,580.72	56.45
23 54 16 13-0004	EA			60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 3 tons.	1,673.72	64.51
23 54 16 13-0005	EA			80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 4 tons.	1,935.33	72.57
23 54 16 13-0006	EA			100 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	2,253.51	88.70
23 54 16 13-0007	EA			120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	2,399.69	96.75
<b>23 54 16 13-0008</b>				<b>Up/Horizontal Flow Variable Speed, Two Stage 95% AFUE Gas Furnace</b> <small>(23 54 16 13-0001)</small>		
23 54 16 13-0009	EA			40 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 3 tons.	1,775.13	56.45
23 54 16 13-0010	EA			60 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 3 tons.	1,938.03	64.51
23 54 16 13-0011	EA			80 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 3 tons.	2,045.87	72.57
23 54 16 13-0012	EA			80 MBH, 1,600 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 3.5 tons.	1,721.14	80.64
23 54 16 13-0013	EA			100 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 5 tons.	2,406.93	88.70
23 54 16 13-0014	EA			120 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 5 tons.	2,530.32	96.75
<b>23 54 16 13-0015</b>				<b>Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace</b> <small>(23 54 16 13-0001)</small>		
23 54 16 13-0016	EA			45 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 4 tons.	1,547.22	56.45
23 54 16 13-0017	EA			70 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 4 tons.	1,776.95	64.51
23 54 16 13-0018	EA			90 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 4 tons.	1,902.20	80.64
23 54 16 13-0019	EA			90 MBH, 2,000 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 5 tons.	2,025.60	88.70
<b>23 54 16 13-0020</b>				<b>Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace</b> <small>(23 54 16 13-0001)</small>		
23 54 16 13-0021	EA			40 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	2,072.86	56.45
23 54 16 13-0022	EA			60 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	2,171.95	64.51
23 54 16 13-0023	EA			80 MBH, 1,600 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	2,416.85	72.57
23 54 16 13-0024	EA			100 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	2,618.07	88.70
23 54 16 13-0025	EA			120 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	2,802.22	96.75
<b>23 54 16 13-0026</b>				<b>Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace</b> <small>(23 54 16 13-0001)</small>		
23 54 16 13-0027	EA			40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 3 tons.	1,395.38	56.45
23 54 16 13-0028	EA			60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 3 tons.	1,459.54	64.51
23 54 16 13-0029	EA			80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 3 tons.	1,626.97	72.57
23 54 16 13-0030	EA			80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 4 tons.	1,642.16	72.57
23 54 16 13-0031	EA			80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 5 tons.	1,788.34	80.64
23 54 16 13-0032	EA			100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,876.80	88.70
23 54 16 13-0033	EA			120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,983.48	96.75
<b>23 54 16 13-0034</b>				<b>Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace</b> <small>(23 54 16 13-0001)</small>		
23 54 16 13-0035	EA			40 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 3 tons.	929.05	56.45
23 54 16 13-0036	EA			60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 3 tons.	1,009.92	64.51

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 54 Furnaces**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0037 EA 60 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	1,157.60	72.57
23 54 16 13-0038 EA 80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	1,159.12	72.57
23 54 16 13-0039 EA 80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,270.36	80.64
23 54 16 13-0040 EA 100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,290.47	88.70
23 54 16 13-0041 EA 120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,438.16	96.75
<b>23 54 16 13-0042 Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace (23 54 16 13-0001)</b>		
23 54 16 13-0043 EA 40 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 3 tons.	944.24	56.45
23 54 16 13-0044 EA 60 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 3 tons.	1,014.48	64.51
23 54 16 13-0045 EA 80 MBH, 1,600 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 4 tons.	1,225.96	72.57
23 54 16 13-0046 EA 100 MBH, 2,000 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 5 tons.	1,347.83	80.64
<b>23 54 16 13-0047 75% AFUE Gas Wall/Recessed Furnace (23 54 16 13-0001)</b>		
23 54 16 13-0048 EA 35 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace.....	1,713.96	48.38
23 54 16 13-0049 EA 55 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace.....	1,967.41	60.50
23 54 16 13-0050 EA 35 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,539.28	48.38
23 54 16 13-0051 EA 40 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,643.50	52.44
23 54 16 13-0052 EA 50 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,618.62	56.45
23 54 16 13-0053 EA 65 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,662.16	60.50
23 54 16 13-0054 EA 75 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,726.08	60.50
<b>23 54 16 13-0055 Gas Fired Indoor Duct Furnace (23 54 16 13-0001)</b> Note: Includes burner, controls and electronic ignition.		
<b>23 54 16 13-0056 Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace (23 54 16 13-0005)</b>		
23 54 16 13-0057 EA 100 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace .....	1,935.21	125.79
23 54 16 13-0058 EA 150 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace .....	2,144.02	154.82
23 54 16 13-0059 EA 200 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace .....	2,396.63	222.54
23 54 16 13-0060 EA 250 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace .....	2,702.66	251.57
23 54 16 13-0061 EA 300 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace .....	3,152.41	290.27
23 54 16 13-0062 EA 350 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace .....	3,441.08	348.32
23 54 16 13-0063 EA 400 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace .....	3,872.58	464.44
<b>23 54 16 13-0064 Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace (23 54 16 13-0005)</b> Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0065 EA 100 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace .....	2,179.46	125.79
23 54 16 13-0066 EA 150 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace .....	2,384.63	154.82
23 54 16 13-0067 EA 200 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace .....	2,727.16	222.54
23 54 16 13-0068 EA 250 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace .....	3,092.74	251.57
23 54 16 13-0069 EA 300 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace .....	3,825.63	290.27
23 54 16 13-0070 EA 350 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace .....	4,171.42	348.32
23 54 16 13-0071 EA 400 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace .....	4,562.81	464.44
<b>23 54 16 16 Oil-Fired Furnaces (23 54 16)</b>		
<b>23 54 16 16-0001 Oil Fired Forced Air Furnaces (23 54 16 16)</b> Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
<b>23 54 16 16-0002 Up Flow Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)</b>		
23 54 16 16-0003 EA 72 MBH, 1,220 CFM Up Flow Single Speed, One Stage 84% AFUE Oil Furnace..... Note: Blower cooling capacity up to 3 tons.	2,797.78	64.51
23 54 16 16-0004 EA 95 MBH, 1,590 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace..... Note: Blower cooling capacity up to 4 tons.	2,927.95	88.70
23 54 16 16-0005 EA 126 MBH, 1,835 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace..... Note: Blower cooling capacity up to 5 tons.	3,373.73	104.82
<b>23 54 16 16-0006 Down/Horizontal Flow Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)</b>		
23 54 16 16-0007 EA 95 MBH, 1,210 CFM Down/Horizontal Flow Single Speed, One Stage 83% AFUE Oil Furnace ..... Note: Blower cooling capacity up to 3 tons.	3,210.48	88.70
23 54 16 16-0008 EA 126 MBH, 2,005 CFM Down/Horizontal Flow Single Speed, One Stage 84% AFUE Oil Furnace ..... Note: Blower cooling capacity up to 5 tons.	3,202.08	104.82
<b>23 54 16 16-0009 Up Flow Lowboy Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)</b>		
23 54 16 16-0010 EA 95 MBH, 1,550 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace ..... Note: Blower cooling capacity up to 4 tons.	2,748.71	88.70



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 16-0011 EA 127 MBH, 2,130 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace ..... Note: Blower cooling capacity up to 5 tons.	3,264.36	104.82
<b>23 54 19 Furnace Accessories (23 54)</b>		
23 54 19 00-0001 EA LP Gas Furnace Conversion Kit .....	115.05	16.13
23 54 19 00-0002 EA 1" Furnace External Filter Rack .....	35.22	
23 54 19 00-0003 EA Removal And Reinstallation Of Forced Air Furnace ..... Note: Includes storage and cleaning. Excludes ductwork.	298.64	
<b>23 55 Fuel-Fired Heaters (23 50)</b>		
<b>23 55 23 Gas-Fired Radiant Heaters (23 55)</b>		
<b>23 55 23 13 Low-Intensity Gas-Fired Radiant Heaters (23 55 23)</b>		
23 55 23 13-0001 Infrared Heaters-Radiant Energy (23 55 23 13) Note: For spot localized or total heating, ceiling hung units, no fan required.		
23 55 23 13-0002 Gas Fired Electric Ignition Infrared Gas Heater (23 55 23 13-0001) Note: Ceramic combustion, surface chromized wire screen aluminized steel housing and polished aluminum reflector.		
23 55 23 13-0003 EA 15,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan .....	745.37	72.71
23 55 23 13-0004 EA 37,500 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan .....	814.70	79.98
23 55 23 13-0005 EA 50,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan .....	876.64	79.98
23 55 23 13-0006 EA 75,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan .....	1,103.58	95.98
23 55 23 13-0007 EA 100,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan .....	1,114.02	95.98
23 55 23 13-0008 Rolled Steel Or Aluminum Housing Infrared Electric Heater (23 55 23 13-0001) Note: Anodized aluminum reflector and quartz/tungsten tubular element with an inner heavy-duty coiled element.		
23 55 23 13-0009 EA 1,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required ..... <i>For Stainless Steel Housing, Add</i>	806.09 147.77	70.95
23 55 23 13-0010 EA 3,200 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required ..... <i>For Stainless Steel Housing, Add</i>	869.74 163.68	70.95
23 55 23 13-0011 EA 5,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required ..... <i>For Stainless Steel Housing, Add</i>	942.49 181.87	70.95
23 55 23 13-0012 EA 7,300 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required ..... <i>For Stainless Steel Housing, Add</i>	1,029.95 203.74	70.95
23 55 23 13-0013 EA 10,950 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required ..... <i>For Stainless Steel Housing, Add</i>	1,130.63 227.02	77.41
23 55 23 13-0014 EA 13,500 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required ..... <i>For Stainless Steel Housing, Add</i>	1,210.37 244.48	83.85
23 55 23 13-0015 EA 24,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required ..... <i>For Stainless Steel Housing, Add</i>	2,004.57 436.58	90.31
23 55 23 13-0016 Gas Fired Tubular Infrared Heater (23 55 23 13-0001) Note: Includes controls and supports.		
23 55 23 13-0017 "U" Package (23 55 23 13-0016)		
23 55 23 13-0018 LF Up To 75 MBH Input Radiant Heater .....	63.14	3.64
23 55 23 13-0019 LF 76 To 105 MBH Input Radiant Heater .....	72.77	4.36
23 55 23 13-0020 LF 106 To 130 MBH Input Radiant Heater .....	89.16	5.09
23 55 23 13-0021 "S" Straight Package (23 55 23 13-0016)		
23 55 23 13-0022 LF Up To 75 MBH Input Radiant Heater .....	51.24	2.91
23 55 23 13-0023 LF 76 To 105 MBH Input Radiant Heater .....	65.38	3.64
23 55 23 13-0024 LF 106 To 130 MBH Input Radiant Heater .....	79.51	4.36
<b>23 55 33 Fuel-Fired Unit Heaters (23 55)</b>		
<b>23 55 33 13 Oil-Fired Unit Heaters (23 55 33)</b>		
23 55 33 13-0001 Oil Fired Unit Heater (23 55 33 13)		
23 55 33 13-0002 Horizontal Fan Propelled Oil Fired Unit Heater, 115 Volt (23 55 33 13-0001)		
23 55 33 13-0003 EA 97 MBH Output, 2,000 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt .....	5,591.84	334.74
23 55 33 13-0004 EA 142 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt .....	5,996.26	368.21
23 55 33 13-0005 EA 188 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt .....	6,439.13	401.68
<b>23 55 33 16 Gas-Fired Unit Heaters (23 55 33)</b>		
23 55 33 16-0001 Gas Fired Unit Heaters (23 55 33 16)		
23 55 33 16-0002 Horizontal Fan Propelled Gas Fired Unit Heaters, 115 Volt (23 55 33 16-0001)		
23 55 33 16-0003 EA 24.3 MBH Output, 30 MBH Input, 500 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt .....	1,388.67	125.53
23 55 33 16-0004 EA 36.5 MBH Output, 45 MBH Input, 750 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt .....	1,517.06	150.64
23 55 33 16-0005 EA 48.6 MBH Output, 60 MBH Input, 1,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt .....	1,540.89	150.64
23 55 33 16-0006 EA 60.8 MBH Output, 75 MBH Input, 1,250 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt .....	1,680.75	175.73

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 55 Fuel-Fired Heaters**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 33 16-0007 EA 72.9 MBH Output, 90 MBH Input, 1,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,847.27	200.84
23 55 33 16-0008 EA 81 MBH Output, 100 MBH Input, 1,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,982.98	213.39
23 55 33 16-0009 EA 101.3 MBH Output, 125 MBH Input, 2,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,043.06	213.39
23 55 33 16-0010 EA 121.5 MBH Output, 150 MBH Input, 2,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	1,991.57	213.39
23 55 33 16-0011 EA 141.8 MBH Output, 175 MBH Input, 2,850 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,374.27	225.95
23 55 33 16-0012 EA 162 MBH Output, 200 MBH Input, 3,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,608.85	225.95
23 55 33 16-0013 EA 202.5 MBH Output, 250 MBH Input, 3,450 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,803.38	225.95
23 55 33 16-0014 EA 243 MBH Output, 300 MBH Input, 5,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	3,355.26	251.06
23 55 33 16-0015 EA 283.5 MBH Output, 350 MBH Input, 5,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	3,795.81	251.06
23 55 33 16-0016 EA 324 MBH Output, 400 MBH Input, 5,800 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	4,071.01	276.16
<b>23 55 33 16-0017 Removal And Reinstallation Of Unit Heaters (23 55 33 16)</b> Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 55 33 16-0018 EA Removal And Reinstallation Of Up To 101.3 MBH Output Gas or Oil Unit Heater.....	418.08	
23 55 33 16-0019 EA Removal And Reinstallation Of >101.3 MBH Output Gas or Oil Unit Heater .....	563.50	
<b>23 57 Heat Exchangers for HVAC (23 50)</b>		
<b>23 57 13 Steam-To-Steam Heat Exchangers (23 57)</b>		
<b>23 57 13 00-0001 Steam Generator Heat Exchanger (23 57 13)</b> Note: 35 PSI generated steam using 180 degree feed water; 400 degree F water to valve.		
23 57 13 00-0002 EA 75 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	12,502.41	1,163.36
23 57 13 00-0003 EA 300 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	16,838.79	1,236.07
23 57 13 00-0004 EA 525 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	22,599.33	1,486.41
<b>23 57 16 Steam-To-Water Heat Exchangers (23 57)</b>		
<b>23 57 16 00-0001 Heat Exchanger, Hot Water 40 To 180 Degree By Steam 10 PSI (23 57 16)</b> Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes. Excludes controls expansion tank and accessories.		
23 57 16 00-0002 EA 8 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	1,454.09	181.77
For Bronze Head And Tube Sheet, Add	545.27	
For Copper Nickel Tubes, Add	121.17	
For Double Wall Tube Bundles, Add	181.76	
23 57 16 00-0003 EA 10 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	2,125.73	181.77
For Bronze Head And Tube Sheet, Add	825.70	
For Copper Nickel Tubes, Add	183.49	
For Double Wall Tube Bundles, Add	275.23	
23 57 16 00-0004 EA 40 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	3,202.43	254.48
For Bronze Head And Tube Sheet, Add	1,277.50	
For Copper Nickel Tubes, Add	283.89	
For Double Wall Tube Bundles, Add	425.83	
23 57 16 00-0005 EA 64 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	5,054.66	254.48
For Bronze Head And Tube Sheet, Add	1,947.40	
For Copper Nickel Tubes, Add	432.76	
For Double Wall Tube Bundles, Add	649.13	
23 57 16 00-0006 EA 96 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	6,655.88	299.56
For Bronze Head And Tube Sheet, Add	2,586.15	
For Copper Nickel Tubes, Add	574.70	
For Double Wall Tube Bundles, Add	862.05	
23 57 16 00-0007 EA 120 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	8,717.25	368.49
For Bronze Head And Tube Sheet, Add	3,396.27	
For Copper Nickel Tubes, Add	754.73	
For Double Wall Tube Bundles, Add	1,132.09	
23 57 16 00-0008 EA 168 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	10,764.64	553.08
For Bronze Head And Tube Sheet, Add	4,159.65	
For Copper Nickel Tubes, Add	924.37	
For Double Wall Tube Bundles, Add	1,386.55	
23 57 16 00-0009 EA 240 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	16,303.34	553.08
For Bronze Head And Tube Sheet, Add	6,480.96	
For Copper Nickel Tubes, Add	1,440.21	
For Double Wall Tube Bundles, Add	2,160.32	
<b>23 57 19 Liquid-To-Liquid Heat Exchangers (23 57)</b>		
<b>23 57 19 13 Plate-Type, Liquid-To-Liquid Heat Exchangers (23 57 19)</b>		
<b>23 57 19 13-0001 Plate And Frame Heat Exchanger (23 57 19 13)</b>		
23 57 19 13-0002 EA 8" W x 18-7/8"H Plate And Frame Heat Exchanger.....	2,292.32	181.77
23 57 19 13-0003 EA 8" W x 24-9/16"H Plate And Frame Heat Exchanger.....	3,045.01	181.77
23 57 19 13-0004 EA 11-3/16" W x 34-11/16"H Plate And Frame Heat Exchanger.....	4,058.54	218.13
23 57 19 13-0005 EA 16-3/4" W x 46-1/4"H Plate And Frame Heat Exchanger.....	5,506.25	236.31
23 57 19 13-0006 EA 16-1/2" W x 49-5/8"H Plate And Frame Heat Exchanger.....	6,023.72	236.31
23 57 19 13-0007 EA 24" W x 57-11/16"H Plate And Frame Heat Exchanger.....	7,847.77	254.48
23 57 19 13-0008 EA 26-5/16" W x 56-5/8"H Plate And Frame Heat Exchanger.....	8,271.16	254.48
23 57 19 13-0009 EA 24-1/4" W x 68-3/8"H Plate And Frame Heat Exchanger.....	10,225.54	290.84
23 57 19 13-0010 EA 24" W x 69-11/16"H Plate And Frame Heat Exchanger.....	12,509.21	327.19
23 57 19 13-0011 EA 26-5/16" W x 68-3/4"H Plate And Frame Heat Exchanger.....	12,979.65	327.19



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 57 19 13-0012	EA	24" W x 89-13/16"H Plate And Frame Heat Exchanger.....	16,049.51	373.33
23 57 19 13-0013	EA	26-5/16" W x 88-9/16"H Plate And Frame Heat Exchanger.....	19,371.43	410.59
23 57 19 13-0014	EA	40-13/16" W x 89-1/4"H Plate And Frame Heat Exchanger.....	22,363.98	447.85

### 23 57 19 19 Copper Tube, Water-To-Water Heat Exchanger <sup>(23 57 19)</sup>

23 57 19 19-0001	Heat Exchanger Hot Water 40-140 Degree By Water At 200 Degree F <sup>(23 57 19)</sup>			
		<sup>19)</sup> Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes.		
23 57 19 19-0002	EA	7 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	1,731.05	181.77
		For Copper Nickel Tubes, Add	148.87	
		For Double Wall Tube Bundles, Add	223.30	
23 57 19 19-0003	EA	16 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	2,402.69	181.77
		For Copper Nickel Tubes, Add	211.19	
		For Double Wall Tube Bundles, Add	316.78	
23 57 19 19-0004	EA	34 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	3,583.26	254.48
		For Copper Nickel Tubes, Add	321.97	
		For Double Wall Tube Bundles, Add	482.96	
23 57 19 19-0005	EA	55 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	5,123.88	254.48
		For Copper Nickel Tubes, Add	463.92	
		For Double Wall Tube Bundles, Add	695.87	
23 57 19 19-0006	EA	74 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	6,344.64	290.84
		For Copper Nickel Tubes, Add	571.24	
		For Double Wall Tube Bundles, Add	856.86	
23 57 19 19-0007	EA	86 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	8,451.12	290.84
		For Copper Nickel Tubes, Add	768.58	
		For Double Wall Tube Bundles, Add	1,152.86	
23 57 19 19-0008	EA	112 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	10,449.95	276.54
		For Copper Nickel Tubes, Add	955.53	
		For Double Wall Tube Bundles, Add	1,433.29	
23 57 19 19-0009	EA	126 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	12,995.86	276.54
		For Copper Nickel Tubes, Add	1,190.95	
		For Double Wall Tube Bundles, Add	1,786.42	
23 57 19 19-0010	EA	152 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube.....	16,615.73	276.54
		For Copper Nickel Tubes, Add	1,523.30	
		For Double Wall Tube Bundles, Add	2,284.95	

### 23 57 19 23 Refrigerant-To-Water Heat Exchanger <sup>(23 57 19)</sup>

23 57 19 23-0001	Heat Exchanger Refrigerant To Water <sup>(23 57 19 23)</sup>			
23 57 19 23-0002	EA	10 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	1,957.26	145.42
		For Copper Nickel Tubes, Add	166.64	
		For Double Wall Tube Bundles, Add	249.96	
23 57 19 23-0003	EA	53 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	5,197.64	242.35
		For Copper Nickel Tubes, Add	471.29	
		For Double Wall Tube Bundles, Add	706.94	
23 57 19 23-0004	EA	70 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	7,002.38	316.14
		For Copper Nickel Tubes, Add	637.12	
		For Double Wall Tube Bundles, Add	955.68	
23 57 19 23-0005	EA	87 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	7,516.80	382.68
		For Copper Nickel Tubes, Add	675.30	
		For Double Wall Tube Bundles, Add	1,012.96	
23 57 19 23-0006	EA	105 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube.....	9,040.34	439.21
		For Copper Nickel Tubes, Add	814.78	
		For Double Wall Tube Bundles, Add	1,222.16	

## 23 60 Central Cooling Equipment <sup>(23)</sup>

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0010 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

### 23 61 Refrigerant Compressors <sup>(23 60)</sup>

#### 23 61 16 Reciprocating Refrigerant Compressors <sup>(23 61)</sup>

23 61 16 00-0001	Reciprocating Open Type Refrigerant Compressors <sup>(23 61 16)</sup>			
		Note: Includes manual reversible oil pump and automatic pressure regulator. Excludes muffler, vibration isolators, crank case oil heaters, couplings and flywheel.		
23 61 16 00-0002	EA	1/4 Ton Refrigerant Compressor, Reciprocating Open Type.....	313.94	63.19
23 61 16 00-0003	EA	1/3 Ton Refrigerant Compressor, Reciprocating Open Type.....	365.68	63.19
23 61 16 00-0004	EA	1/2 Ton Refrigerant Compressor, Reciprocating Open Type.....	492.13	78.96
23 61 16 00-0005	EA	3/4 Ton Refrigerant Compressor, Reciprocating Open Type.....	598.84	78.96
23 61 16 00-0006	EA	1 Ton Refrigerant Compressor, Reciprocating Open Type.....	663.51	78.96
23 61 16 00-0007	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Open Type.....	673.60	82.15
23 61 16 00-0008	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Open Type.....	677.38	82.15
23 61 16 00-0009	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Open Type.....	742.83	88.46
23 61 16 00-0010	EA	2 Ton Refrigerant Compressor, Reciprocating Open Type.....	798.59	94.79
23 61 16 00-0011	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Open Type.....	869.42	101.11
23 61 16 00-0012	EA	3 Ton Refrigerant Compressor, Reciprocating Open Type.....	980.45	101.11
23 61 16 00-0013	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,096.55	107.43
23 61 16 00-0014	EA	4 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,122.14	113.75
23 61 16 00-0015	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,141.38	116.88

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 60 Central Cooling Equipment****23 61 Refrigerant Compressors**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 61 16 00-0016	EA	5 Ton Refrigerant Compressor, Reciprocating Open Type	1,861.83	611.84
23 61 16 00-0017	EA	7.5 Ton Refrigerant Compressor, Reciprocating Open Type	2,711.45	699.22
23 61 16 00-0018	EA	10 Ton Refrigerant Compressor, Reciprocating Open Type	3,561.13	786.65
23 61 16 00-0019	EA	12.5 Ton Refrigerant Compressor, Reciprocating Open Type	4,625.26	852.15
23 61 16 00-0020	EA	15 Ton Refrigerant Compressor, Reciprocating Open Type	5,689.58	917.76
23 61 16 00-0021	EA	20 Ton Refrigerant Compressor, Reciprocating Open Type	6,827.49	1,101.31
23 61 16 00-0022	EA	25 Ton Refrigerant Compressor, Reciprocating Open Type	8,155.20	1,183.70
23 61 16 00-0023	EA	30 Ton Refrigerant Compressor, Reciprocating Open Type	9,424.34	1,251.50
23 61 16 00-0024	EA	50 Ton Refrigerant Compressor, Reciprocating Open Type	12,252.20	1,411.96
23 61 16 00-0025	EA	60 Ton Refrigerant Compressor, Reciprocating Open Type	14,355.98	1,448.98
23 61 16 00-0026	EA	70 Ton Refrigerant Compressor, Reciprocating Open Type	17,824.97	1,485.95
23 61 16 00-0027	EA	75 Ton Refrigerant Compressor, Reciprocating Open Type	18,695.79	1,504.50
23 61 16 00-0028	EA	80 Ton Refrigerant Compressor, Reciprocating Open Type	19,530.61	1,522.99
23 61 16 00-0029	EA	90 Ton Refrigerant Compressor, Reciprocating Open Type	21,094.04	1,559.96
23 61 16 00-0030	EA	100 Ton Refrigerant Compressor, Reciprocating Open Type	22,515.68	1,597.04
23 61 16 00-0031	EA	110 Ton Refrigerant Compressor, Reciprocating Open Type	24,148.76	1,787.46
23 61 16 00-0032	EA	120 Ton Refrigerant Compressor, Reciprocating Open Type	25,286.59	1,827.45
23 61 16 00-0033	EA	130 Ton Refrigerant Compressor, Reciprocating Open Type	26,257.36	1,850.72
23 61 16 00-0034	EA	140 Ton Refrigerant Compressor, Reciprocating Open Type	27,136.32	1,907.97
23 61 16 00-0035	EA	150 Ton Refrigerant Compressor, Reciprocating Open Type	27,846.17	1,947.98
23 61 16 00-0036	EA	175 Ton Refrigerant Compressor, Reciprocating Open Type	28,575.64	2,001.35
23 61 16 00-0037	EA	185 Ton Refrigerant Compressor, Reciprocating Open Type	29,256.73	2,022.88
23 61 16 00-0038	EA	200 Ton Refrigerant Compressor, Reciprocating Open Type	29,956.43	2,056.36
23 61 16 00-0039	EA	225 Ton Refrigerant Compressor, Reciprocating Open Type	30,821.65	2,195.03
23 61 16 00-0040	EA	250 Ton Refrigerant Compressor, Reciprocating Open Type	31,653.81	2,313.36

**23 61 16 00-0041 Reciprocating Hermetic Type Refrigerant Compressors** (23 61 16)

Note: Includes automatic reversible oil pump, suction and discharge shut-off valves, device for loading and unloading compressor cylinders and crank case oil heater. Excludes mufflers and vibration isolators.

**23 61 16 00-0042 Reciprocating Hermetic Type Refrigerant Compressors <5 Tons** (23 61 16 00-0041)

23 61 16 00-0043	EA	1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,180.00	63.19
23 61 16 00-0044	EA	1/3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,224.85	63.19
23 61 16 00-0045	EA	1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,301.28	78.96
23 61 16 00-0046	EA	3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,346.09	78.96
23 61 16 00-0047	EA	1 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,368.51	78.96
23 61 16 00-0048	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,410.70	82.15
23 61 16 00-0049	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,460.03	82.15
23 61 16 00-0050	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,566.80	88.46
23 61 16 00-0051	EA	2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,669.12	94.79
23 61 16 00-0052	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,816.25	101.11
23 61 16 00-0053	EA	3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,905.93	101.11
23 61 16 00-0054	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,053.05	107.43
23 61 16 00-0055	EA	4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,469.21	113.75
23 61 16 00-0056	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,722.12	116.88

**23 61 16 00-0057 Reciprocating Hermetic Type Refrigerant Compressors** (23 61 16 00-0041)

23 61 16 00-0058	EA	5 Ton Refrigerant Compressor, Reciprocating Hermetic Type	3,221.64	314.66
23 61 16 00-0059	EA	10 Ton Refrigerant Compressor, Reciprocating Hermetic Type	6,481.67	393.33
23 61 16 00-0060	EA	15 Ton Refrigerant Compressor, Reciprocating Hermetic Type	11,127.82	478.84
23 61 16 00-0061	EA	20 Ton Refrigerant Compressor, Reciprocating Hermetic Type	14,276.53	550.65
23 61 16 00-0062	EA	25 Ton Refrigerant Compressor, Reciprocating Hermetic Type	15,760.73	611.84
23 61 16 00-0063	EA	30 Ton Refrigerant Compressor, Reciprocating Hermetic Type	17,456.98	688.32
23 61 16 00-0064	EA	35 Ton Refrigerant Compressor, Reciprocating Hermetic Type	22,756.56	786.65
23 61 16 00-0065	EA	40 Ton Refrigerant Compressor, Reciprocating Hermetic Type	29,653.58	786.65
23 61 16 00-0066	EA	50 Ton Refrigerant Compressor, Reciprocating Hermetic Type	36,717.10	917.76
23 61 16 00-0067	EA	60 Ton Refrigerant Compressor, Reciprocating Hermetic Type	41,422.33	983.32
23 61 16 00-0068	EA	70 Ton Refrigerant Compressor, Reciprocating Hermetic Type	43,780.71	1,030.51
23 61 16 00-0069	EA	75 Ton Refrigerant Compressor, Reciprocating Hermetic Type	44,970.11	1,081.41
23 61 16 00-0070	EA	80 Ton Refrigerant Compressor, Reciprocating Hermetic Type	46,292.13	1,085.61
23 61 16 00-0071	EA	90 Ton Refrigerant Compressor, Reciprocating Hermetic Type	48,633.03	1,136.68
23 61 16 00-0072	EA	100 Ton Refrigerant Compressor, Reciprocating Hermetic Type	51,005.50	1,183.70

**23 61 19 Scroll Refrigerant Compressors** (23 61)**23 61 19 00-0001 Scroll Refrigerant Compressors** (23 61 19)

23 61 19 00-0002	EA	Up To 3 Ton Scroll Refrigerant Compressor	1,001.30	100.98
23 61 19 00-0003	EA	3.5 Ton Scroll Refrigerant Compressor	1,048.89	107.48
23 61 19 00-0004	EA	4 Ton Scroll Refrigerant Compressor	1,072.36	113.69
23 61 19 00-0005	EA	4.5 Ton Scroll Refrigerant Compressor	1,092.70	116.94
23 61 19 00-0006	EA	5 Ton Scroll Refrigerant Compressor	1,352.05	147.65
23 61 19 00-0007	EA	7.5 Ton Scroll Refrigerant Compressor	2,611.39	221.47
23 61 19 00-0008	EA	8.75 Ton Scroll Refrigerant Compressor	2,984.78	258.38
23 61 19 00-0009	EA	10 Ton Scroll Refrigerant Compressor	3,340.54	295.29
23 61 19 00-0010	EA	12 Ton Scroll Refrigerant Compressor	4,038.76	354.34
23 61 19 00-0011	EA	13.5 Ton Scroll Refrigerant Compressor	4,773.91	398.64
23 61 19 00-0012	EA	15 Ton Scroll Refrigerant Compressor	5,614.65	442.93
23 61 19 00-0013	EA	20 Ton Scroll Refrigerant Compressor	7,933.70	590.58



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 61 19 00-0014	EA	25 Ton Scroll Refrigerant Compressor .....	8,899.60	738.22
23 61 19 00-0015	EA	30 Ton Scroll Refrigerant Compressor .....	9,455.90	885.87

### 23 61 23 Rotary-Screw Refrigerant Compressors (23 61)

#### 23 61 23 00-0001 Rotary Screw Type Refrigerant Compressors (23 61 23)

23 61 23 00-0002	EA	75 Ton Refrigerant Compressor, Rotary Screw Type .....	52,134.86	1,504.50
23 61 23 00-0003	EA	80 Ton Refrigerant Compressor, Rotary Screw Type .....	53,771.21	1,522.99
23 61 23 00-0004	EA	90 Ton Refrigerant Compressor, Rotary Screw Type .....	57,324.94	1,559.96
23 61 23 00-0005	EA	100 Ton Refrigerant Compressor, Rotary Screw Type .....	60,837.69	1,597.04
23 61 23 00-0006	EA	110 Ton Refrigerant Compressor, Rotary Screw Type .....	65,315.41	1,787.46
23 61 23 00-0007	EA	120 Ton Refrigerant Compressor, Rotary Screw Type .....	69,438.89	1,827.45
23 61 23 00-0008	EA	130 Ton Refrigerant Compressor, Rotary Screw Type .....	73,498.44	1,850.72
23 61 23 00-0009	EA	140 Ton Refrigerant Compressor, Rotary Screw Type .....	77,641.57	1,907.97
23 61 23 00-0010	EA	150 Ton Refrigerant Compressor, Rotary Screw Type .....	81,766.32	1,947.98
23 61 23 00-0011	EA	170 Ton Refrigerant Compressor, Rotary Screw Type .....	87,594.06	2,001.35
23 61 23 00-0012	EA	185 Ton Refrigerant Compressor, Rotary Screw Type .....	91,667.58	2,022.88
23 61 23 00-0013	EA	200 Ton Refrigerant Compressor, Rotary Screw Type .....	93,530.07	2,056.36
23 61 23 00-0014	EA	215 Ton Refrigerant Compressor, Rotary Screw Type .....	105,184.53	2,195.03
23 61 23 00-0015	EA	225 Ton Refrigerant Compressor, Rotary Screw Type .....	116,744.32	2,313.36

### 23 62 Packaged Compressor and Condenser Units (23 60)

#### 23 62 13 Packaged Air-Cooled Refrigerant Compressor and Condenser Units (23 62)

##### 23 62 13 00-0001 Combination Direct-Expansion Liquid Cooler And Compressors (23 62 13)

Note: Shell and tube type. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0002	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	5,454.55	545.69
23 62 13 00-0003	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	12,498.48	584.68
23 62 13 00-0004	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	22,207.45	623.65
23 62 13 00-0005	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	26,355.45	662.63
23 62 13 00-0006	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	31,321.24	701.60
23 62 13 00-0007	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	34,710.51	779.56
23 62 13 00-0008	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	35,695.97	890.22
23 62 13 00-0009	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	38,372.55	1,023.44
23 62 13 00-0010	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	40,933.78	1,108.73
23 62 13 00-0011	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	46,964.67	1,194.01
23 62 13 00-0012	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	53,114.78	1,321.94
23 62 13 00-0013	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	56,152.07	1,373.65
23 62 13 00-0014	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	63,458.48	1,459.50
23 62 13 00-0015	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	69,394.53	1,545.35

##### 23 62 13 00-0016 Direct-Expansion Liquid Cooler Shell And Tube Type (23 62 13)

Note: For built-up systems. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Excludes compressors. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0017	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	5,190.45	545.69
23 62 13 00-0018	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	10,995.31	584.68
23 62 13 00-0019	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	17,344.48	623.65
23 62 13 00-0020	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	18,739.79	662.63
23 62 13 00-0021	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	20,135.11	701.60
23 62 13 00-0022	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	23,897.57	779.56
23 62 13 00-0023	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	27,102.19	890.22
23 62 13 00-0024	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	34,835.69	1,023.44
23 62 13 00-0025	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	39,095.17	1,108.73
23 62 13 00-0026	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	42,375.08	1,194.01
23 62 13 00-0027	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	48,697.53	1,321.94
23 62 13 00-0028	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	51,594.71	1,373.65
23 62 13 00-0029	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	56,628.14	1,459.50
23 62 13 00-0030	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	64,654.31	1,545.35

##### 23 62 13 00-0031 Packaged Chiller With Remote Air Cooled Condenser (23 62 13)

Note: With remote air cooled condenser rated by cooling capacity. Units are factory assembled package type and include hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, vibration eliminators, phase monitoring for 3 phase units, start-up and equipment rigging. Units include dual compressors. Excludes piping and power wiring.

23 62 13 00-0032	EA	15 Ton Packaged Chiller With Remote Air Cooled Condensers .....	37,295.93	4,972.60
		<i>For Gas Fired Engine Driven, Add</i>	<i>6,713.67</i>	
23 62 13 00-0033	EA	20 Ton Packaged Chiller With Remote Air Cooled Condensers .....	42,456.13	5,241.39
		<i>For Gas Fired Engine Driven, Add</i>	<i>7,705.42</i>	



**23 Heating, Ventilating, And Air-Conditioning (HVAC)**

**23 60 Central Cooling Equipment**

**23 62 Packaged Compressor and Condenser Units**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 62 13 00-0034	EA		25 Ton Packaged Chiller With Remote Air Cooled Condensers <i>For Gas Fired Engine Driven, Add</i>	49,636.62 9,072.18	5,703.81
23 62 13 00-0035	EA		30 Ton Packaged Chiller With Remote Air Cooled Condensers <i>For Gas Fired Engine Driven, Add</i>	55,793.26 10,250.06	6,060.33
23 62 13 00-0036	EA		40 Ton Packaged Chiller With Remote Air Cooled Condensers <i>For Gas Fired Engine Driven, Add</i>	70,572.40 13,111.89	6,687.25
23 62 13 00-0037	EA		50 Ton Packaged Chiller With Remote Air Cooled Condensers <i>For Gas Fired Engine Driven, Add</i>	78,282.54 14,618.12	6,926.06
23 62 13 00-0038	EA		60 Ton Packaged Chiller With Remote Air Cooled Condensers <i>For Gas Fired Engine Driven, Add</i>	85,135.96 15,908.92	7,458.84
23 62 13 00-0039	EA		70 Ton Packaged Chiller With Remote Air Cooled Condensers <i>For Gas Fired Engine Driven, Add</i>	104,448.05 19,678.15	7,980.70
23 62 13 00-0040	EA		75 Ton Packaged Chiller With Remote Air Cooled Condensers <i>For Gas Fired Engine Driven, Add</i>	105,717.79 19,924.06	8,134.05
23 62 13 00-0041	EA		80 Ton Packaged Chiller With Remote Air Cooled Condensers <i>For Gas Fired Engine Driven, Add</i>	107,437.33 20,214.94	8,487.74
23 62 13 00-0042	EA		90 Ton Packaged Chiller With Remote Air Cooled Condensers <i>For Gas Fired Engine Driven, Add</i>	119,740.62 22,617.76	8,873.57
23 62 13 00-0043	EA		100 Ton Packaged Chiller With Remote Air Cooled Condensers <i>For Gas Fired Engine Driven, Add</i>	132,988.00 25,203.88	9,296.13
23 62 13 00-0044	EA		110 Ton Packaged Chiller With Remote Air Cooled Condensers <i>For Gas Fired Engine Driven, Add</i>	147,980.56 28,132.71	9,760.91
23 62 13 00-0045	EA		120 Ton Packaged Chiller With Remote Air Cooled Condensers <i>For Gas Fired Engine Driven, Add</i>	160,283.45 30,516.26	10,274.66
23 62 13 00-0046	EA		140 Ton Packaged Chiller With Remote Air Cooled Condensers <i>For Gas Fired Engine Driven, Add</i>	177,357.06 33,845.41	10,845.45

**23 62 23 Packaged Water-Cooled Refrigerant Compressor and Condenser Units (23 62)**

**23 62 23 00-0001 Water Cooled Condensing Units (23 62 23)**

Note: Includes compressor, condenser and motor, and equipment rigging. Excludes piping and power wiring.

23 62 23 00-0002	EA		5 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	4,618.27	465.29
23 62 23 00-0003	EA		10 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	7,003.29	679.52
23 62 23 00-0004	EA		15 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	8,016.03	736.43
23 62 23 00-0005	EA		20 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	9,938.49	883.70
23 62 23 00-0006	EA		30 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	10,740.47	1,039.70
23 62 23 00-0007	EA		60 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	22,643.48	1,486.80
23 62 23 00-0008	EA		80 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	28,102.53	1,794.44
23 62 23 00-0009	EA		120 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	38,866.14	1,963.39

**23 63 Refrigerant Condensers (23 60)**

**23 63 13 Air-Cooled Refrigerant Condensers (23 63)**

**23 63 13 00-0001 Air Cooled Condensing Units (23 63 13)**

Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers and phase monitoring for 3 phase units and equipment rigging. Meets minimum ASHRAE EER requirements. Excludes piping and power wiring.

23 63 13 00-0002	EA		6 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	3,401.96	465.29
			<i>For &gt;10 To 25, Deduct</i>	-80.92	
			<i>For &gt;25 To 50, Deduct</i>	-134.86	
			<i>For &gt;50, Deduct</i>	-215.78	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	526.82	
			<i>For Winter Start Control, Add</i>	178.36	
23 63 13 00-0003	EA		7.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	4,073.55	552.32
			<i>For &gt;10 To 25, Deduct</i>	-97.10	
			<i>For &gt;25 To 50, Deduct</i>	-161.84	
			<i>For &gt;50, Deduct</i>	-258.94	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	468.15	
			<i>For Winter Start Control, Add</i>	148.42	
23 63 13 00-0004	EA		10 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	5,287.63	679.52
			<i>For &gt;10 To 25, Deduct</i>	-127.73	
			<i>For &gt;25 To 50, Deduct</i>	-212.88	
			<i>For &gt;50, Deduct</i>	-340.61	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	555.53	
			<i>For Winter Start Control, Add</i>	188.15	
23 63 13 00-0005	EA		12.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	6,512.72	706.97
			<i>For &gt;10 To 25, Deduct</i>	-163.25	
			<i>For &gt;25 To 50, Deduct</i>	-272.08	
			<i>For &gt;50, Deduct</i>	-435.32	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	648.70	
			<i>For Winter Start Control, Add</i>	215.95	
23 63 13 00-0006	EA		15 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	7,741.25	736.43
			<i>For &gt;10 To 25, Deduct</i>	-198.76	
			<i>For &gt;25 To 50, Deduct</i>	-331.27	
			<i>For &gt;50, Deduct</i>	-530.04	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	676.48	
			<i>For Winter Start Control, Add</i>	177.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0007 EA 20 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	9,962.90	883.70
<i>For &gt;10 To 25, Deduct</i>	-258.72	
<i>For &gt;25 To 50, Deduct</i>	-431.20	
<i>For &gt;50, Deduct</i>	-689.92	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	852.17	
<i>For Winter Start Control, Add</i>	220.13	
23 63 13 00-0008 EA 25 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	11,322.98	950.66
<i>For &gt;10 To 25, Deduct</i>	-296.52	
<i>For &gt;25 To 50, Deduct</i>	-494.19	
<i>For &gt;50, Deduct</i>	-790.71	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	903.39	
<i>For Winter Start Control, Add</i>	242.75	
23 63 13 00-0009 EA 30 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	12,974.54	1,037.69
<i>For &gt;10 To 25, Deduct</i>	-342.13	
<i>For &gt;25 To 50, Deduct</i>	-570.22	
<i>For &gt;50, Deduct</i>	-912.36	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	962.74	
<i>For Winter Start Control, Add</i>	271.05	
23 63 13 00-0010 EA 40 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	17,735.89	1,182.68
<i>For &gt;10 To 25, Deduct</i>	-477.36	
<i>For &gt;25 To 50, Deduct</i>	-795.60	
<i>For &gt;50, Deduct</i>	-1,272.96	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,251.58	
<i>For Winter Start Control, Add</i>	341.51	
23 63 13 00-0011 EA 50 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	21,544.79	1,486.80
<i>For &gt;10 To 25, Deduct</i>	-577.55	
<i>For &gt;25 To 50, Deduct</i>	-962.59	
<i>For &gt;50, Deduct</i>	-1,540.15	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,343.31	
<i>For Winter Start Control, Add</i>	325.56	
23 63 13 00-0012 EA 60 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	24,803.64	1,640.97
<i>For &gt;10 To 25, Deduct</i>	-670.19	
<i>For &gt;25 To 50, Deduct</i>	-1,116.99	
<i>For &gt;50, Deduct</i>	-1,787.18	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,509.57	
<i>For Winter Start Control, Add</i>	358.09	
23 63 13 00-0013 EA 80 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	32,093.15	1,794.44
<i>For &gt;10 To 25, Deduct</i>	-879.77	
<i>For &gt;25 To 50, Deduct</i>	-1,466.29	
<i>For &gt;50, Deduct</i>	-2,346.06	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,864.87	
<i>For Winter Start Control, Add</i>	423.37	
23 63 13 00-0014 EA 100 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	44,236.56	1,615.70
<i>For &gt;10 To 25, Deduct</i>	-1,228.42	
<i>For &gt;25 To 50, Deduct</i>	-2,047.37	
<i>For &gt;50, Deduct</i>	-3,275.80	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	2,050.69	
<i>For Winter Start Control, Add</i>	533.65	
23 63 13 00-0015 EA 120 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor.....	54,449.16	1,670.47
<i>For &gt;10 To 25, Deduct</i>	-1,531.46	
<i>For &gt;25 To 50, Deduct</i>	-2,552.43	
<i>For &gt;50, Deduct</i>	-4,083.89	
<i>For Low Ambient Protection, 0 Degree F, Add</i>	2,381.60	
<b>23 63 13 00-0016 Air Cooled Condensing Units <small>(23 63 13)</small></b>		
Note: Include compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers, 14 SEER, 1 or 3 phase and equipment rigging. Higher SEER ratings can be obtained by oversizing evaporators. Excludes piping and power wiring.		
23 63 13 00-0017 EA 1.5 Ton, 14 SEER, Air Cooled Condensing Unit.....	1,320.90	210.09
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For &gt;10 To 25, Deduct</i>	-30.17	
<i>For &gt;25 To 50, Deduct</i>	-50.29	
<i>For &gt;50, Deduct</i>	-80.46	
<i>For 15 SEER, Add</i>	241.38	
<i>For 16 SEER, Add</i>	412.37	
<i>For 18 SEER, Add</i>	864.96	
23 63 13 00-0018 EA 2 Ton, 14 SEER, Air Cooled Condensing Unit.....	1,420.00	233.55
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For &gt;10 To 25, Deduct</i>	-32.10	
<i>For &gt;25 To 50, Deduct</i>	-53.49	
<i>For &gt;50, Deduct</i>	-85.59	
<i>For 15 SEER, Add</i>	256.76	
<i>For 16 SEER, Add</i>	438.64	
<i>For 18 SEER, Add</i>	920.07	
23 63 13 00-0019 EA 2.5 Ton, 14 SEER, Air Cooled Condensing Unit.....	1,506.06	256.90
Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
<i>For &gt;10 To 25, Deduct</i>	-33.63	
<i>For &gt;25 To 50, Deduct</i>	-56.05	
<i>For &gt;50, Deduct</i>	-89.67	
<i>For 15 SEER, Add</i>	269.02	
<i>For 16 SEER, Add</i>	459.57	
<i>For 18 SEER, Add</i>	963.97	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 60 Central Cooling Equipment****23 63 Refrigerant Condensers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63	13 00-0020	EA	3 Ton, 14 SEER, Air Cooled Condensing Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	1,731.15	280.12
			<i>For &gt;10 To 25, Deduct</i>	-39.33	
			<i>For &gt;25 To 50, Deduct</i>	-65.55	
			<i>For &gt;50, Deduct</i>	-104.88	
			<i>For 15 SEER, Add</i>	314.63	
			<i>For 16 SEER, Add</i>	537.50	
			<i>For 18 SEER, Add</i>	1,127.43	
23 63	13 00-0021	EA	3.5 Ton, 14 SEER, Air Cooled Condensing Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	1,832.43	303.62
			<i>For &gt;10 To 25, Deduct</i>	-41.32	
			<i>For &gt;25 To 50, Deduct</i>	-68.86	
			<i>For &gt;50, Deduct</i>	-110.18	
			<i>For 15 SEER, Add</i>	330.54	
			<i>For 16 SEER, Add</i>	564.66	
			<i>For 18 SEER, Add</i>	1,184.42	
23 63	13 00-0022	EA	4 Ton, 14 SEER, Air Cooled Condensing Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	2,043.38	326.97
			<i>For &gt;10 To 25, Deduct</i>	-46.60	
			<i>For &gt;25 To 50, Deduct</i>	-77.66	
			<i>For &gt;50, Deduct</i>	-124.25	
			<i>For 15 SEER, Add</i>	372.76	
			<i>For 16 SEER, Add</i>	636.80	
			<i>For 18 SEER, Add</i>	1,335.73	
23 63	13 00-0023	EA	5 Ton, 14 SEER, Air Cooled Condensing Unit..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	2,308.07	350.15
			<i>For &gt;10 To 25, Deduct</i>	-53.49	
			<i>For &gt;25 To 50, Deduct</i>	-89.14	
			<i>For &gt;50, Deduct</i>	-142.63	
			<i>For 15 SEER, Add</i>	427.88	
			<i>For 16 SEER, Add</i>	730.97	
			<i>For 18 SEER, Add</i>	1,533.25	

**23 63 13 00-0024 Removal And Reinstallation Of AC Condensing Unit (23 63 13)**

Note: Includes storage and cleaning.

23 63	13 00-0025	EA	Removal And Reinstallation Of Up To 5 Tons Air Cooled Condensing Unit .....	215.01	
23 63	13 00-0026	EA	Removal And Reinstallation Of 7.5 To 15 Tons Air Cooled Condensing Unit .....	806.32	
23 63	13 00-0027	EA	Removal And Reinstallation Of 20 To 40 Tons Air Cooled Condensing Unit .....	1,406.47	

**23 64 Packaged Water Chillers (23 60)**

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

**23 64 13 Absorption Water Chillers (23 64)****23 64 13 16 Indirect-Fired Absorption Water Chillers (23 64 13)****23 64 13 16-0001 Packaged, Steam Driven, Water Cooled Absorption Chillers (23 64 13 16)**

Note: Includes refrigerant monitor with scanner, audible alarm, and lights, 460 V motor, and all accessories, controls (water temperature controller with PE switches, flow switch, etc.) factory wired and installed control panel, and also includes start-up. Price includes closed transition starter. (rated by cooling capacity in tons). Units are factory assembled package type consisting of motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, controls, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Exclude piping and power wiring.

23 64	13 16-0002	EA	50 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	98,693.41	3,969.32
			<i>For Two Stage Unit, Add</i>	66,557.12	
23 64	13 16-0003	EA	100 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	125,556.11	4,732.58
			<i>For Two Stage Unit, Add</i>	84,848.44	
23 64	13 16-0004	EA	150 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	159,957.77	4,858.76
			<i>For Two Stage Unit, Add</i>	108,848.51	
23 64	13 16-0005	EA	200 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	177,554.97	4,951.18
			<i>For Two Stage Unit, Add</i>	121,107.16	
23 64	13 16-0006	EA	250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	198,925.47	5,075.28
			<i>For Two Stage Unit, Add</i>	135,986.76	
23 64	13 16-0007	EA	300 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	224,997.93	5,374.73
			<i>For Two Stage Unit, Add</i>	154,045.09	
23 64	13 16-0008	EA	350 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	241,492.08	5,504.61
			<i>For Two Stage Unit, Add</i>	165,507.53	
23 64	13 16-0009	EA	400 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	288,383.51	5,729.66
			<i>For Two Stage Unit, Add</i>	198,186.94	
23 64	13 16-0010	EA	500 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	323,549.06	5,896.54
			<i>For Two Stage Unit, Add</i>	222,695.59	
23 64	13 16-0011	EA	650 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	397,236.53	8,319.82
			<i>For Two Stage Unit, Add</i>	272,719.80	
23 64	13 16-0012	EA	750 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	432,011.21	9,691.71
			<i>For Two Stage Unit, Add</i>	296,180.59	
23 64	13 16-0013	EA	850 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	462,947.59	10,122.40
			<i>For Two Stage Unit, Add</i>	317,559.29	
23 64	13 16-0014	EA	950 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	495,517.25	10,230.72
			<i>For Two Stage Unit, Add</i>	340,358.58	
23 64	13 16-0015	EA	1,125 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	568,202.10	10,585.27
			<i>For Two Stage Unit, Add</i>	391,012.60	
23 64	13 16-0016	EA	1,250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller .....	622,226.51	10,909.31
			<i>For Two Stage Unit, Add</i>	428,623.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 13 16-0017 EA 1,450 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller ..... <i>For Two Stage Unit, Add</i>	730,953.33 503,118.71	13,447.93
23 64 13 16-0018 EA 1,700 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller ..... <i>For Two Stage Unit, Add</i>	855,622.62 589,934.30	14,160.43
 <b>23 64 16 Centrifugal Water Chillers (23 64)</b>		
<b>23 64 16 13 Air-Cooled Centrifugal Water Chillers (23 64 16)</b>		
<b>23 64 16 13-0001 Magnetic Bearing, Air Cooled Centrifugal Chillers (23 64 16 13)</b>		
Note: SMARDT air cooled oil-free centrifugal chiller with variable speed control, magnetic bearings, lowest ARI IPLV in industry. Includes start up, freight, R-134a refrigerant charge, BACnet or equivalent interface.		
23 64 16 13-0002 EA 85 Ton, Single Compressor, Magnetic Bearing, Air Cooled Centrifugal Chiller ..... <i>For 5 Year Parts Only Compressor Warranty, Add</i>	133,860.97 3,721.80	3,604.66
23 64 16 13-0003 EA 175 Ton, Two Compressor, Magnetic Bearing, Air Cooled Centrifugal Chiller ..... <i>For 5 Year Parts Only Compressor Warranty, Add</i>	189,992.40 7,443.60	4,832.16
23 64 16 13-0004 EA 240 Ton, Three Compressor, Magnetic Bearing, Air Cooled Centrifugal Chiller ..... <i>For 5 Year Parts Only Compressor Warranty, Add</i>	237,605.77 11,165.40	5,110.40
 <b>23 64 16 16 Water-Cooled Centrifugal Water Chillers (23 64 16)</b>		
<b>23 64 16 16-0001 Packaged Water-Cooled Centrifugal Water Chillers (23 64 16 16)</b>		
Note: Includes integral heat exchanger, refrigerant monitor with scanner, audible alarm, and lights, 460 V motor, controls (water temperature controller with PE switches, flow switch, etc.), start-up, and closed transition starter. Rated by cooling capacity in tons. Units are factory assembled package type consisting of compressor, motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, factory wired and installed control panel, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.		
23 64 16 16-0002 EA 180 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	138,694.71 5,309.35	3,710.87
23 64 16 16-0003 EA 200 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	151,859.24 5,829.82	3,804.86
23 64 16 16-0004 EA 225 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	167,789.36 6,460.88	3,901.57
23 64 16 16-0005 EA 250 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	183,274.89 7,070.26	4,057.99
23 64 16 16-0006 EA 275 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	198,334.85 7,657.93	4,287.13
23 64 16 16-0007 EA 300 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	212,842.25 8,223.91	4,510.02
23 64 16 16-0008 EA 325 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	226,844.88 8,768.12	4,757.30
23 64 16 16-0009 EA 350 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	240,286.34 9,290.71	4,991.90
23 64 16 16-0010 EA 375 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	253,150.57 9,791.53	5,205.81
23 64 16 16-0011 EA 400 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	265,400.05 10,270.66	5,374.73
23 64 16 16-0012 EA 425 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	277,263.45 10,728.09	5,641.01
23 64 16 16-0013 EA 450 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	288,506.41 11,163.82	5,858.63
23 64 16 16-0014 EA 475 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	299,202.37 11,577.85	6,073.46
23 64 16 16-0015 EA 500 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	309,278.13 11,970.19	6,239.82
23 64 16 16-0016 EA 550 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	327,621.66 12,689.72	6,461.09
23 64 16 16-0017 EA 600 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	343,665.71 13,322.45	6,601.58
23 64 16 16-0018 EA 650 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	357,837.01 13,868.34	6,927.89
23 64 16 16-0019 EA 700 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	369,846.51 14,327.44	7,259.14

**23 Heating, Ventilating, And Air-Conditioning (HVAC)**

**23 60 Central Cooling Equipment**

**23 64 Packaged Water Chillers**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0020 EA 750 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	379,742.97 14,699.88	7,623.55
23 64 16 16-0021 EA 800 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	403,460.42 15,624.94	7,991.36
23 64 16 16-0022 EA 850 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	427,009.00 16,543.33	8,357.99
23 64 16 16-0023 EA 900 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	450,444.08 17,454.92	8,759.81
23 64 16 16-0024 EA 950 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	473,772.66 18,359.63	9,202.21
23 64 16 16-0025 EA 1,000 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	496,539.57 19,257.48	9,503.21
23 64 16 16-0026 EA 1,100 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	538,063.26 20,825.49	10,965.28
23 64 16 16-0027 EA 1,200 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	577,969.63 22,328.53	12,431.51
23 64 16 16-0028 EA 1,300 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	615,806.07 23,766.49	13,619.24
23 64 16 16-0029 EA 1,400 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	651,289.81 25,139.36	14,350.53
23 64 16 16-0030 EA 1,500 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	685,103.60 26,446.94	15,057.91
23 64 16 16-0031 EA 1,600 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	716,875.59 27,690.07	15,494.40
23 64 16 16-0032 EA 1,700 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	748,039.82 28,867.93	16,575.38
23 64 16 16-0033 EA 1,800 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	777,143.82 29,980.69	17,383.93
23 64 16 16-0034 EA 1,900 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	805,002.73 31,028.36	18,432.97
23 64 16 16-0035 EA 2,000 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	830,616.66 32,011.07	19,091.30
23 64 16 16-0036 EA 2,250 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	885,472.78 34,183.25	20,171.95
23 64 16 16-0037 EA 2,500 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. <i>For 208/230 Volt Motor, Add</i>	932,703.30 35,948.90	21,382.24
<b>23 64 16 16-0038 Magnetic Bearing, Water Cooled Centrifugal Water Chillers</b> <small>(23 64 16 16)</small> Note: SMARTD water cooled oil-free centrifugal chiller with variable speed control, magnetic bearings, 10 amp maximum inrush current and ARI part load <0.4kW per ton. Includes start up, freight, R-134a refrigerant charge, BACnet or equivalent interface, 12/18 month compressor warranty.		
23 64 16 16-0039 EA 60 To 85 Ton, Single Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller..... <i>For 5 Year Parts Only Compressor Warranty, Add</i> <i>For Marine Water Box Connections, Add</i>	84,279.80 3,721.80 3,473.68	3,121.93
23 64 16 16-0040 EA 130 To 137 Ton, Single Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller..... <i>For 5 Year Parts Only Compressor Warranty, Add</i> <i>For Marine Water Box Connections, Add</i>	106,124.77 3,721.80 3,473.68	3,628.60
23 64 16 16-0041 EA 125 To 170 Ton, Dual Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller ..... <i>For 5 Year Parts Only Compressor Warranty, Add</i> <i>For Marine Water Box Connections, Add</i>	132,926.41 7,443.60 3,473.68	3,710.87
23 64 16 16-0042 EA 240 To 270 Ton, Dual Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller ..... <i>For 5 Year Parts Only Compressor Warranty, Add</i> <i>For Marine Water Box Connections, Add</i>	173,115.84 7,443.60 3,473.68	4,287.13
23 64 16 16-0043 EA 210 To 260 Ton, Three Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller ..... <i>For 5 Year Parts Only Compressor Warranty, Add</i> <i>For Marine Water Box Connections, Add</i>	174,456.05 11,165.40 3,473.68	4,057.99
23 64 16 16-0044 EA 355 To 405 Ton, Three Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller ..... <i>For 5 Year Parts Only Compressor Warranty, Add</i> <i>For Marine Water Box Connections, Add</i>	261,740.86 11,165.40 3,473.68	5,374.73
23 64 16 16-0045 EA 299 To 340 Ton, Four Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller ..... <i>For 5 Year Parts Only Compressor Warranty, Add</i> <i>For Marine Water Box Connections, Add</i>	231,887.41 13,646.60 4,838.34	4,991.90
23 64 16 16-0046 EA 540 Ton, Four Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller ..... <i>For 5 Year Parts Only Compressor Warranty, Add</i> <i>For Marine Water Box Connections, Add</i>	322,199.84 13,646.60 4,838.34	6,461.09



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0047 EA 425 Ton, Five Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller..... <i>For 5 Year Parts Only Compressor Warranty, Add</i> <i>For Marine Water Box Connections, Add</i>	288,621.85 16,127.80 4,838.34	5,641.01
23 64 16 16-0048 EA 650 Ton, Five Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller..... <i>For 5 Year Parts Only Compressor Warranty, Add</i> <i>For Marine Water Box Connections, Add</i>	386,305.84 16,127.80 4,838.34	6,927.89
23 64 16 16-0049 EA 510 Ton, Six Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller..... <i>For 5 Year Parts Only Compressor Warranty, Add</i> <i>For Marine Water Box Connections, Add</i>	343,675.24 18,609.00 5,086.46	6,239.82
23 64 16 16-0050 EA 800 Ton, Six Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller..... <i>For 5 Year Parts Only Compressor Warranty, Add</i> <i>For Marine Water Box Connections, Add</i>	442,804.03 18,609.00 5,086.46	7,991.36

**23 64 23 Scroll Water Chillers (23 64)**

**23 64 23 13 Air-Cooled Scroll Water Chillers (23 64 23)**

**23 64 23 13-0001**

**Packaged Air Cooled Scroll Water Chillers (23 64 23 13)**

Note: With integral heat exchanger. Rated by cooling capacity, tons. Units are factory assembled package type and include scroll compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, factory charge of refrigerant, start-up and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0926 for crane lifting equipment.

23 64 23 13-0002 EA 10 Ton Packaged Air Cooled Scroll Water Chiller .....	17,845.69	1,056.31
23 64 23 13-0003 EA 15 Ton Packaged Air Cooled Scroll Water Chiller .....	26,182.82	1,069.85
23 64 23 13-0004 EA 18 Ton Packaged Air Cooled Scroll Water Chiller .....	28,577.38	1,144.33
23 64 23 13-0005 EA 22 Ton Packaged Air Cooled Scroll Water Chiller .....	31,443.50	1,225.58
23 64 23 13-0006 EA 25 Ton Packaged Air Cooled Scroll Water Chiller .....	31,949.80	1,306.84
23 64 23 13-0007 EA 30 Ton Packaged Air Cooled Scroll Water Chiller .....	33,710.06	1,401.64
23 64 23 13-0008 EA 40 Ton Packaged Air Cooled Scroll Water Chiller .....	38,554.43	1,516.75
23 64 23 13-0009 EA 45 Ton Packaged Air Cooled Scroll Water Chiller .....	41,404.02	1,645.40
23 64 23 13-0010 EA 50 Ton Packaged Air Cooled Scroll Water Chiller .....	43,725.99	1,692.80
23 64 23 13-0011 EA 55 Ton Packaged Air Cooled Scroll Water Chiller .....	45,669.31	1,767.28
23 64 23 13-0012 EA 60 Ton Packaged Air Cooled Scroll Water Chiller .....	47,203.04	1,828.22
23 64 23 13-0013 EA 70 Ton Packaged Air Cooled Scroll Water Chiller .....	54,463.68	2,058.44
23 64 23 13-0014 EA 80 Ton Packaged Air Cooled Scroll Water Chiller .....	58,620.49	2,254.80
23 64 23 13-0015 EA 90 Ton Packaged Air Cooled Scroll Water Chiller .....	59,692.80	2,261.58
23 64 23 13-0016 EA 100 Ton Packaged Air Cooled Scroll Water Chiller .....	63,173.76	2,268.35
23 64 23 13-0017 EA 110 Ton Packaged Air Cooled Scroll Water Chiller .....	66,563.10	2,275.12
23 64 23 13-0018 EA 120 Ton Packaged Air Cooled Scroll Water Chiller .....	69,994.61	2,281.89
23 64 23 13-0019 EA 130 Ton Packaged Air Cooled Scroll Water Chiller .....	73,601.90	2,288.67

**23 64 23 16 Water-Cooled Scroll Water Chillers (23 64 23)**

**23 64 23 16-0001**

**Packaged Water Cooled Scroll Water Chillers (23 64 23 16)**

Note: Integral heat exchanger. Rated by cooling capacity in tons. Units are factory assembled package type and include hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 23 16-0002 EA 20 Ton Packaged Water Cooled Scroll Water Chiller .....	38,510.87	1,229.88
23 64 23 16-0003 EA 25 Ton Packaged Water Cooled Scroll Water Chiller .....	44,550.42	1,267.04
23 64 23 16-0004 EA 30 Ton Packaged Water Cooled Scroll Water Chiller .....	49,447.02	1,390.95
23 64 23 16-0005 EA 40 Ton Packaged Water Cooled Scroll Water Chiller .....	60,652.00	1,731.51
23 64 23 16-0006 EA 50 Ton Packaged Water Cooled Scroll Water Chiller .....	67,126.68	1,897.56
23 64 23 16-0007 EA 60 Ton Packaged Water Cooled Scroll Water Chiller .....	70,366.00	2,096.57

**23 64 26 Rotary-Screw Water Chillers (23 64)**

**23 64 26 13 Air-Cooled, Rotary-Screw Water Chillers (23 64 26)**

**23 64 26 13-0001**

**Packaged Air Cooled Rotary-Screw Water Chillers (23 64 26 13)**

Note: Includes hermetic direct-drive compressors start-up, coil guards, copper fins, copper tubes, factory wired and installed control panel, refrigerant monitor with scanner, audible alarm, and lights, phase monitoring for 3 phase units, 440/460 V motor, motor starters, factory charge of refrigerant and equipment rigging. Units greater than 20 tons include dual compressors. Excludes crane and associated personnel. See CSI section 01 22 23 00-0926 for crane lifting equipment.

23 64 26 13-0002 EA 70 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	93,876.57 -1,349.85 3,599.60	2,593.37
23 64 26 13-0003 EA 80 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	100,871.77 -1,449.80 3,866.13	2,816.82
23 64 26 13-0004 EA 90 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	106,124.32 -1,525.74 4,068.65	2,938.70

**23 Heating, Ventilating, And Air-Conditioning (HVAC)**

**23 60 Central Cooling Equipment**

**23 64 Packaged Water Chillers**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 26 13-0005 EA 100 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	109,958.79 -1,578.28 4,208.76	3,162.15
23 64 26 13-0006 EA 110 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	118,070.74 -1,696.51 4,524.03	3,317.88
23 64 26 13-0007 EA 120 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	125,576.26 -1,807.47 4,819.91	3,385.59
23 64 26 13-0008 EA 130 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	132,617.99 -1,910.55 5,094.81	3,500.71
23 64 26 13-0009 EA 140 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	136,886.48 -1,972.86 5,260.95	3,575.19
23 64 26 13-0010 EA 160 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	144,640.35 -2,087.44 5,566.50	3,649.67
23 64 26 13-0011 EA 170 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	151,015.47 -2,180.52 5,814.73	3,764.79
23 64 26 13-0012 EA 180 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	159,289.55 -2,301.28 6,136.76	3,913.74
23 64 26 13-0013 EA 200 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	166,583.10 -2,408.96 6,423.89	3,995.01
23 64 26 13-0014 EA 215 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	178,736.23 -2,589.63 6,905.69	4,062.71
23 64 26 13-0015 EA 225 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	186,820.28 -2,710.08 7,226.88	4,103.34
23 64 26 13-0016 EA 240 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	194,904.31 -2,830.53 7,548.08	4,137.20
23 64 26 13-0017 EA 260 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	219,115.79 -3,191.87 8,511.66	4,218.46
23 64 26 13-0018 EA 280 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	231,275.70 -3,372.54 8,993.45	4,299.71
23 64 26 13-0019 EA 300 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	247,443.78 -3,613.44 9,635.84	4,367.41
23 64 26 13-0020 EA 325 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	271,641.72 -3,974.78 10,599.43	4,441.90
23 64 26 13-0021 EA 350 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Volt Motor, Add</i>	296,403.35 -4,344.89 11,586.37	4,496.07

**23 64 26 16 Water-Cooled, Rotary-Screw Water Chillers (23 64 26)**

**23 64 26 16-0001 Packaged Water Cooled Helical Rotary Water Chillers (23 64 26 16)**

Note: Integral heat exchanger. Rated by cooling capacity in tons. Factory assembled package type includes semi-hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gages, lead-lag switch, compressor unloaders, removable core filter dryer, 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, full factory refrigerant charge, vibration eliminators, NEMA 1 flow switches, wye-delta starter, extended warranty on compressor(s), start-up costs and equipment rigging. Excludes piping and power wiring.

23 64 26 16-0002 EA 70 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	74,701.11	2,926.81
23 64 26 16-0003 EA 80 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	81,319.65	3,040.63
23 64 26 16-0004 EA 90 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	87,052.17	3,121.93
23 64 26 16-0005 EA 100 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	91,962.04	3,253.64
23 64 26 16-0006 EA 110 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	96,901.57	3,343.06
23 64 26 16-0007 EA 125 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	102,931.40	3,436.92
23 64 26 16-0008 EA 130 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	105,566.82	3,532.99
23 64 26 16-0009 EA 150 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	114,583.95	3,628.60
23 64 26 16-0010 EA 175 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	123,353.73	3,718.41
23 64 26 16-0011 EA 190 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	127,502.36	3,904.36
23 64 26 16-0012 EA 200 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	164,681.38	4,092.66
23 64 26 16-0013 EA 210 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	166,861.29	4,180.27
23 64 26 16-0014 EA 235 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	181,794.45	4,271.71
23 64 26 16-0015 EA 255 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	193,262.41	4,467.22
23 64 26 16-0016 EA 275 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	204,118.87	4,648.03
23 64 26 16-0017 EA 300 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	216,799.62	4,832.16
23 64 26 16-0018 EA 350 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	237,978.95	5,260.45
23 64 26 16-0019 EA 400 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	255,094.07	5,785.98
23 64 26 16-0020 EA 450 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	268,157.60	6,364.83



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**23 65 Cooling Towers** (23 60)**23 65 13 Forced-Draft Cooling Towers** (23 65)**23 65 13 16 Closed-Circuit, Forced-Draft Cooling Towers** (23 65 13)**23 65 13 16-0001 Closed-Circuit, Forced-Draft Cooling Towers** (23 65 13 16)**23 65 13 16-0002 Blow-Thru Centrifugal Fan Type Cooling Towers** (23 65 13 16-0001)

Note: Including 2-speed motor internal piping, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Design temperature 95 degree F in, 85 degree F out. Excludes crane and associated personnel.

23 65 13 16-0003	EA 50 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	15,042.29		1,124.01
	<i>For Stainless Steel Cooling Tower, Add</i>	8,013.76		
23 65 13 16-0004	EA 75 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	20,810.47		1,374.55
	<i>For Stainless Steel Cooling Tower, Add</i>	11,255.28		
23 65 13 16-0005	EA 100 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	26,037.10		1,726.65
	<i>For Stainless Steel Cooling Tower, Add</i>	13,956.55		
23 65 13 16-0006	EA 125 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	30,056.71		1,929.79
	<i>For Stainless Steel Cooling Tower, Add</i>	16,173.30		
23 65 13 16-0007	EA 150 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	34,365.56		2,173.55
	<i>For Stainless Steel Cooling Tower, Add</i>	18,522.97		
23 65 13 16-0008	EA 175 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	38,644.31		2,437.63
	<i>For Stainless Steel Cooling Tower, Add</i>	20,838.34		
23 65 13 16-0009	EA 200 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	43,378.95		2,715.25
	<i>For Stainless Steel Cooling Tower, Add</i>	23,410.98		
23 65 13 16-0010	EA 225 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	47,364.37		3,060.58
	<i>For Stainless Steel Cooling Tower, Add</i>	25,469.09		
23 65 13 16-0011	EA 250 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	51,571.68		3,399.14
	<i>For Stainless Steel Cooling Tower, Add</i>	27,664.40		
23 65 13 16-0012	EA 275 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	56,340.25		4,022.09
	<i>For Stainless Steel Cooling Tower, Add</i>	29,928.32		
23 65 13 16-0013	EA 300 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	61,189.25		4,455.44
	<i>For Stainless Steel Cooling Tower, Add</i>	32,415.20		
23 65 13 16-0014	EA 325 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	64,467.56		4,739.83
	<i>For Stainless Steel Cooling Tower, Add</i>	34,130.29		
23 65 13 16-0015	EA 350 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	68,307.03		5,017.46
	<i>For Stainless Steel Cooling Tower, Add</i>	36,145.52		
23 65 13 16-0016	EA 375 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	72,058.47		5,261.22
	<i>For Stainless Steel Cooling Tower, Add</i>	38,160.75		
23 65 13 16-0017	EA 400 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	76,374.85		5,504.98
	<i>For Stainless Steel Cooling Tower, Add</i>	40,519.00		
23 65 13 16-0018	EA 425 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	80,928.93		5,802.92
	<i>For Stainless Steel Cooling Tower, Add</i>	42,963.00		
23 65 13 16-0019	EA 450 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	86,119.41		6,100.84
	<i>For Stainless Steel Cooling Tower, Add</i>	45,792.90		
23 65 13 16-0020	EA 475 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	91,177.50		6,358.14
	<i>For Stainless Steel Cooling Tower, Add</i>	48,579.92		
23 65 13 16-0021	EA 500 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	96,242.34		6,615.45
	<i>For Stainless Steel Cooling Tower, Add</i>	51,366.94		
23 65 13 16-0022	EA 550 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	105,972.54		6,893.07
	<i>For Stainless Steel Cooling Tower, Add</i>	56,940.98		
23 65 13 16-0023	EA 600 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	116,560.29		7,163.92
	<i>For Stainless Steel Cooling Tower, Add</i>	63,029.56		
23 65 13 16-0024	EA 650 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	120,902.18		7,312.89
	<i>For Stainless Steel Cooling Tower, Add</i>	65,602.19		
23 65 13 16-0025	EA 700 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	126,101.61		7,407.68
	<i>For Stainless Steel Cooling Tower, Add</i>	68,689.35		
23 65 13 16-0026	EA 750 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	131,985.69		7,786.87
	<i>For Stainless Steel Cooling Tower, Add</i>	71,862.27		
23 65 13 16-0027	EA 800 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	138,870.20		8,166.05
	<i>For Stainless Steel Cooling Tower, Add</i>	75,635.47		
23 65 13 16-0028	EA 850 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	145,808.90		8,579.10
	<i>For Stainless Steel Cooling Tower, Add</i>	79,408.66		
23 65 13 16-0029	EA 900 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	153,890.99		8,992.14
	<i>For Stainless Steel Cooling Tower, Add</i>	83,867.90		
23 65 13 16-0030	EA 950 Ton Blow-Thru Centrifugal Fan Type Cooling Tower.....	162,210.81		9,466.12
	<i>For Stainless Steel Cooling Tower, Add</i>	88,412.89		
23 65 13 16-0031	EA 1,000 Ton Centrifugal Type Cooling Tower.....	171,667.23		9,940.11
	<i>For Stainless Steel Cooling Tower, Add</i>	93,643.91		

**23 65 14 Induced-Draft Cooling Towers** (23 65)**23 65 14 13 Open-Circuit, Induced-Draft Counterflow Cooling Towers** (23 65 14)**23 65 14 13-0001 Induced Draft Axial Single Flow Propeller Type Cooling Towers** (23 65 14 13)

Note: Includes internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.

23 65 14 13-0002	EA 10 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower.....	7,590.59		758.37
	<i>For Polymer Coating Over Galvanized Components, Add</i>	967.95		
	<i>For Stainless Steel Support Structure, Add</i>	1,935.91		



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 60 Central Cooling Equipment****23 65 Cooling Towers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 13-0003 EA 20 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	9,036.02 1,170.55 2,341.10	819.31
23 65 14 13-0004 EA 30 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	10,835.76 1,418.16 2,836.33	920.88
23 65 14 13-0005 EA 40 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	12,028.45 1,575.74 3,151.48	1,015.68
23 65 14 13-0006 EA 50 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	14,291.94 1,890.89 3,781.77	1,124.01
23 65 14 13-0007 EA 60 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	16,678.49 2,229.57 4,459.14	1,212.04
23 65 14 13-0008 EA 75 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	19,159.69 2,566.20 5,132.41	1,374.55
23 65 14 13-0009 EA 100 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	23,786.04 3,151.48 6,302.96	1,726.65
23 65 14 13-0010 EA 125 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	25,911.91 3,421.61 6,843.21	1,929.79
23 65 14 13-0011 EA 150 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	39,992.71 5,474.82 10,949.63	2,173.55
23 65 14 13-0012 EA 200 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	48,349.14 6,598.27 13,196.55	2,715.25
23 65 14 13-0013 EA 300 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	62,037.94 8,231.10 16,462.21	4,455.44
<b>23 65 14 13-0014 Induced Draft Double Flow Propeller Type Packaged Cooling Towers</b> <small>(23 65 14 13)</small> Note: 3 GPM/ton draft. Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel.		
23 65 14 13-0015 EA 100 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	23,786.04 3,151.48 6,302.96	1,726.65
23 65 14 13-0016 EA 150 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	31,757.19 4,239.49 8,478.98	2,173.55
23 65 14 13-0017 EA 200 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	40,377.54 5,402.53 10,805.07	2,715.25
23 65 14 13-0018 EA 250 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	47,812.78 6,352.26 12,704.53	3,399.14
23 65 14 13-0019 EA 300 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	56,594.24 7,414.55 14,829.10	4,455.44
23 65 14 13-0020 EA 350 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	63,054.57 8,248.51 16,497.02	5,017.46
23 65 14 13-0021 EA 400 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	70,372.03 9,229.33 18,458.66	5,504.98
23 65 14 13-0022 EA 450 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	79,830.75 10,504.93 21,009.85	6,100.84
23 65 14 13-0023 EA 500 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	90,168.07 11,930.60 23,861.19	6,615.45
23 65 14 13-0024 EA 550 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	96,682.47 12,841.74 25,683.47	6,974.32
23 65 14 13-0025 EA 600 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	103,735.70 13,833.70 27,667.40	7,163.92
23 65 14 13-0026 EA 700 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	118,169.32 15,982.49 31,964.99	7,407.68
23 65 14 13-0027 EA 800 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	129,580.13 17,515.36 35,030.71	8,166.05
23 65 14 13-0028 EA 900 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	143,171.68 19,359.08 38,718.16	8,992.14



Heating, Ventilating, And Air-Conditioning (HVAC)

23

Central Cooling Equipment

23 60

Cooling Towers

23 65

23

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 65 14 13-0029</b>	<b>Draw-Thru Fiberglass Packaged Propeller Type Cooling Towers <sup>(23 65 14 13)</sup></b>	
Note: Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.		
23 65 14 13-0030 EA 5 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	2,638.47	419.82
23 65 14 13-0031 EA 8 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	2,908.40	521.39
23 65 14 13-0032 EA 10 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	3,536.32	589.09
23 65 14 13-0033 EA 15 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	4,122.47	643.27
23 65 14 13-0034 EA 20 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	5,471.27	697.43
23 65 14 13-0035 EA 25 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	5,841.39	765.15
23 65 14 13-0036 EA 30 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	6,690.92	995.37
23 65 14 13-0037 EA 40 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	7,705.56	907.34
23 65 14 13-0038 EA 50 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	8,667.41	1,042.76
23 65 14 13-0039 EA 60 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	9,802.30	1,164.64
23 65 14 13-0040 EA 70 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	11,381.58	1,286.52
23 65 14 13-0041 EA 80 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	12,812.26	1,631.86
23 65 14 13-0042 EA 100 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	15,192.31	1,841.76
23 65 14 13-0043 EA 125 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	18,799.91	2,044.90
23 65 14 13-0044 EA 150 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	20,853.01	2,146.47
23 65 14 13-0045 EA 175 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	25,122.93	2,241.27
23 65 14 13-0046 EA 200 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	27,773.61	2,342.83
23 65 14 13-0047 EA 225 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	30,342.33	2,444.40
23 65 14 13-0048 EA 250 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	32,937.88	2,640.76
23 65 14 13-0049 EA 300 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	38,369.52	2,945.47
23 65 14 13-0050 EA 350 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	43,543.36	3,256.94
23 65 14 13-0051 EA 400 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	48,936.18	3,859.58
23 65 14 13-0052 EA 500 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	59,283.85	4,482.53
23 65 14 13-0053 EA 600 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	68,057.18	4,861.71
23 65 14 13-0054 EA 700 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	76,557.70	5,504.98
23 65 14 13-0055 EA 800 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	84,299.49	6,155.01
23 65 14 13-0056 EA 1,000 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	100,222.72	6,805.05
<b>23 65 14 13-0057</b>	<b>Stainless Steel Packaged Propeller Type Cooling Towers <sup>(23 65 14 13)</sup></b>	
Note: Including internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 79 degree F wet Bulb. 3 GPM/ton.		
<b>23 65 14 13-0058</b>	<b>Draw-Thru Stainless Steel Propeller Type Cooling Towers <sup>(23 65 14 13-0057)</sup></b>	
Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0926 for crane lifting equipment.		
23 65 14 13-0059 EA 50 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower .....	27,230.09	1,124.01
23 65 14 13-0060 EA 75 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower .....	38,791.25	1,374.55
23 65 14 13-0061 EA 100 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower .....	45,625.98	1,726.65
23 65 14 13-0062 EA 125 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower .....	51,734.81	1,929.79
23 65 14 13-0063 EA 150 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower .....	56,729.78	2,173.55
23 65 14 13-0064 EA 200 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower .....	67,982.54	2,715.25
23 65 14 13-0065 EA 250 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower .....	79,922.72	3,399.14
23 65 14 13-0066 EA 300 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower .....	94,567.31	4,455.44
23 65 14 13-0067 EA 350 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower .....	103,471.22	5,017.46
23 65 14 13-0068 EA 400 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower .....	117,387.50	5,504.98
23 65 14 13-0069 EA 500 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower .....	135,978.16	6,615.45
23 65 14 13-0070 EA 600 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower .....	153,632.12	7,163.92
23 65 14 13-0071 EA 750 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower .....	190,371.37	7,786.87
23 65 14 13-0072 EA 1,000 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower .....	242,686.85	9,831.77
<b>23 65 14 13-0073</b>	<b>Belt Driven Stainless Steel Propeller Type Cooling Towers <sup>(23 65 14 13-0057)</sup></b>	
Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0926 for crane lifting equipment.		
23 65 14 13-0074 EA 100 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower .....	47,555.01	1,726.65
23 65 14 13-0075 EA 125 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower .....	51,434.52	1,929.79
23 65 14 13-0076 EA 150 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower .....	55,385.01	2,173.55
23 65 14 13-0077 EA 200 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower .....	65,439.88	2,715.25
23 65 14 13-0078 EA 250 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower .....	71,961.82	3,399.14
<b>23 65 14 14</b>	<b>Open-Circuit, Induced-Draft Crossflow Cooling Towers <sup>(23 65 14)</sup></b>	
<b>23 65 14 14-0001</b>	<b>Induced Draft Crossflow Film Filled Propeller Type Cooling Towers <sup>(23 65 14 14)</sup></b>	
Note: Galvanized Steel. Includes fan, 2-speed motor, geared speed reducer, louvers, drift eliminators, hot water distribution system, cold water collection basin, float valve and access door, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0926 for crane lifting equipment.		
23 65 14 14-0002 EA 10 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	6,393.62	758.37
For Polymer Coating Over Galvanized Components, Add	788.41	
For Stainless Steel Support Structure, Add	1,576.82	
23 65 14 14-0003 EA 15 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	6,926.00	771.91
For Polymer Coating Over Galvanized Components, Add	866.24	
For Stainless Steel Support Structure, Add	1,732.47	
23 65 14 14-0004 EA 20 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	7,530.62	839.63
For Polymer Coating Over Galvanized Components, Add	940.68	
For Stainless Steel Support Structure, Add	1,881.35	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 60 Central Cooling Equipment****23 65 Cooling Towers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 14-0005 EA 25 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	8,854.83	880.25
For Polymer Coating Over Galvanized Components, Add	1,130.17	
For Stainless Steel Support Structure, Add	2,260.33	
23 65 14 14-0006 EA 30 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	10,066.24	920.88
For Polymer Coating Over Galvanized Components, Add	1,302.74	
For Stainless Steel Support Structure, Add	2,605.47	
23 65 14 14-0007 EA 35 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	11,246.06	968.28
For Polymer Coating Over Galvanized Components, Add	1,468.54	
For Stainless Steel Support Structure, Add	2,937.08	
23 65 14 14-0008 EA 40 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	12,328.90	1,015.68
For Polymer Coating Over Galvanized Components, Add	1,620.81	
For Stainless Steel Support Structure, Add	3,241.61	
23 65 14 14-0009 EA 45 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	13,531.29	1,069.85
For Polymer Coating Over Galvanized Components, Add	1,789.99	
For Stainless Steel Support Structure, Add	3,579.99	
23 65 14 14-0010 EA 50 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	14,702.11	1,124.01
For Polymer Coating Over Galvanized Components, Add	1,952.41	
For Stainless Steel Support Structure, Add	3,904.82	
23 65 14 14-0011 EA 60 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	17,018.91	1,212.04
For Polymer Coating Over Galvanized Components, Add	2,280.63	
For Stainless Steel Support Structure, Add	4,561.27	
23 65 14 14-0012 EA 70 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	19,529.72	1,306.84
For Polymer Coating Over Galvanized Components, Add	2,635.93	
For Stainless Steel Support Structure, Add	5,271.85	
23 65 14 14-0013 EA 75 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	20,684.74	1,374.55
For Polymer Coating Over Galvanized Components, Add	2,794.96	
For Stainless Steel Support Structure, Add	5,589.92	
23 65 14 14-0014 EA 80 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	21,921.04	1,489.66
For Polymer Coating Over Galvanized Components, Add	2,954.00	
For Stainless Steel Support Structure, Add	5,907.99	
23 65 14 14-0015 EA 90 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	22,818.94	1,604.77
For Polymer Coating Over Galvanized Components, Add	3,062.28	
For Stainless Steel Support Structure, Add	6,124.55	
23 65 14 14-0016 EA 100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	24,477.18	1,726.65
For Polymer Coating Over Galvanized Components, Add	3,255.15	
For Stainless Steel Support Structure, Add	6,510.30	
23 65 14 14-0017 EA 125 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	25,411.27	1,929.79
For Polymer Coating Over Galvanized Components, Add	3,346.51	
For Stainless Steel Support Structure, Add	6,693.02	
23 65 14 14-0018 EA 150 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	29,548.66	2,173.55
For Polymer Coating Over Galvanized Components, Add	3,908.21	
For Stainless Steel Support Structure, Add	7,816.42	
23 65 14 14-0019 EA 175 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	32,630.33	2,437.63
For Polymer Coating Over Galvanized Components, Add	4,307.49	
For Stainless Steel Support Structure, Add	8,614.98	
23 65 14 14-0020 EA 200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	34,272.82	2,715.25
For Polymer Coating Over Galvanized Components, Add	4,486.83	
For Stainless Steel Support Structure, Add	8,973.65	
23 65 14 14-0021 EA 225 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	39,655.52	3,060.58
For Polymer Coating Over Galvanized Components, Add	5,210.94	
For Stainless Steel Support Structure, Add	10,421.89	
23 65 14 14-0022 EA 250 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	43,452.36	3,399.14
For Polymer Coating Over Galvanized Components, Add	5,698.20	
For Stainless Steel Support Structure, Add	11,396.40	
23 65 14 14-0023 EA 275 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	46,274.94	4,022.09
For Polymer Coating Over Galvanized Components, Add	5,972.28	
For Stainless Steel Support Structure, Add	11,944.57	
23 65 14 14-0024 EA 300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	49,866.59	4,455.44
For Polymer Coating Over Galvanized Components, Add	6,405.40	
For Stainless Steel Support Structure, Add	12,810.80	
23 65 14 14-0025 EA 350 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	57,038.35	5,017.46
For Polymer Coating Over Galvanized Components, Add	7,346.08	
For Stainless Steel Support Structure, Add	14,692.16	
23 65 14 14-0026 EA 400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	62,892.63	5,504.98
For Polymer Coating Over Galvanized Components, Add	8,107.42	
For Stainless Steel Support Structure, Add	16,214.84	
23 65 14 14-0027 EA 450 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	69,509.47	6,100.84
For Polymer Coating Over Galvanized Components, Add	8,956.73	
For Stainless Steel Support Structure, Add	17,913.47	
23 65 14 14-0028 EA 500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	75,756.29	6,615.45
For Polymer Coating Over Galvanized Components, Add	9,768.83	
For Stainless Steel Support Structure, Add	19,537.66	
23 65 14 14-0029 EA 600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	86,787.74	7,163.92
For Polymer Coating Over Galvanized Components, Add	11,291.51	
For Stainless Steel Support Structure, Add	22,583.01	
23 65 14 14-0030 EA 700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	97,746.57	7,407.68
For Polymer Coating Over Galvanized Components, Add	12,919.08	
For Stainless Steel Support Structure, Add	25,838.16	
23 65 14 14-0031 EA 800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	109,315.07	8,166.05
For Polymer Coating Over Galvanized Components, Add	14,475.60	
For Stainless Steel Support Structure, Add	28,951.19	
23 65 14 14-0032 EA 900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower .....	120,495.63	8,992.14
For Polymer Coating Over Galvanized Components, Add	15,957.67	
For Stainless Steel Support Structure, Add	31,915.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 14-0033 EA 1,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	131,385.29 17,368.69 34,737.37	9,940.11
23 65 14 14-0034 EA 1,100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	144,025.06 19,151.91 38,303.82	10,420.87
23 65 14 14-0035 EA 1,200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	156,218.18 20,874.23 41,748.46	10,867.76
23 65 14 14-0036 EA 1,300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	166,049.83 22,129.59 44,259.19	11,802.18
23 65 14 14-0037 EA 1,400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	175,516.13 23,313.90 46,627.80	12,804.33
23 65 14 14-0038 EA 1,500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	184,596.73 24,427.15 48,854.30	13,860.63
23 65 14 14-0039 EA 1,600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	192,989.20 25,462.57 50,925.14	14,815.37
23 65 14 14-0040 EA 1,700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	201,108.83 26,423.55 52,847.09	15,905.52
23 65 14 14-0041 EA 1,800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	209,025.57 27,313.47 54,626.94	17,164.98
23 65 14 14-0042 EA 1,900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	216,416.75 28,125.56 56,251.13	18,424.41
23 65 14 14-0043 EA 2,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	224,051.94 28,866.60 57,733.20	20,144.30
 <b>23 65 14 14-0044 Induced Draft Crossflow Stainless Steel Propeller Type Cooling Towers</b> <small>(23 65 14 14)</small>		
Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0926 for crane lifting equipment.		
23 65 14 14-0045 EA 100 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	65,118.59 3,117.12	1,726.65
23 65 14 14-0046 EA 125 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	73,819.03 3,535.89	1,916.25
23 65 14 14-0047 EA 150 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	80,648.37 3,857.72	2,173.55
23 65 14 14-0048 EA 200 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	89,528.20 4,258.38	2,715.25
23 65 14 14-0049 EA 250 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	101,269.28 4,790.25	3,399.14
23 65 14 14-0050 EA 300 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	116,034.64 5,443.54	4,455.44
23 65 14 14-0051 EA 350 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	126,348.60 5,914.21	5,017.46
23 65 14 14-0052 EA 400 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	136,540.65 6,384.87	5,504.98
23 65 14 14-0053 EA 500 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	157,484.66 7,342.69	6,615.45
23 65 14 14-0054 EA 600 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	178,013.92 8,325.14	7,163.92
23 65 14 14-0055 EA 750 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	220,825.35 10,398.00	7,786.87
23 65 14 14-0056 EA 1,000 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	286,919.62 13,566.28	9,940.11
 <b>23 65 43 Cooling Tower Basins And Accessories</b> <small>(23 65 43)</small>		
<b>23 65 43 00-0001 Fiberglass Cooling Tower Sump Basins</b> <small>(23 65 43)</small>		
Note: Includes one inlet sleeve. Excludes cover, excavation, backfill, concrete cut and concrete patch. Excludes crane and associated personnel. See CSI section 01 22 23 00-0926 for crane lifting equipment.		
23 65 43 00-0002 EA 30" Diameter x 30" Depth, 92 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	783.53 115.00 80.00	
23 65 43 00-0003 EA 30" Diameter x 36" Depth, 110 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	887.09 115.00 80.00	
23 65 43 00-0004 EA 36" Diameter x 30" Depth, 132 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	869.52 253.00 80.00	
23 65 43 00-0005 EA 36" Diameter x 36" Depth, 159 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	1,019.96 253.00 80.00	
23 65 43 00-0006 EA 42" Diameter x 30" Depth, 180 Gallon Capacity, Fiberglass Cooling Tower Sump Basin..... <i>For Anti-Flotation Flanges, Add</i> <i>For Perforated Basins, Add</i>	1,107.23 276.00 100.00	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 60 Central Cooling Equipment****23 65 Cooling Towers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 43 00-0007 EA 42" Diameter x 36" Depth, 216 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,228.70	
For Anti-Flotation Flanges, Add	276.00	
For Perforated Basins, Add	100.00	
23 65 43 00-0008 EA 42" Diameter x 42" Depth, 252 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,350.18	
For Anti-Flotation Flanges, Add	276.00	
For Perforated Basins, Add	100.00	
23 65 43 00-0009 EA 48" Diameter x 36" Depth, 282 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,363.57	
For Anti-Flotation Flanges, Add	294.00	
For Perforated Basins, Add	140.00	
23 65 43 00-0010 EA 48" Diameter x 42" Depth, 329 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,506.23	
For Anti-Flotation Flanges, Add	294.00	
For Perforated Basins, Add	140.00	
23 65 43 00-0011 EA 48" Diameter x 48" Depth, 376 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,718.22	
For Anti-Flotation Flanges, Add	294.00	
For Perforated Basins, Add	140.00	
23 65 43 00-0012 EA 48" Diameter x 54" Depth, 423 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,931.85	
For Anti-Flotation Flanges, Add	294.00	
For Perforated Basins, Add	140.00	
23 65 43 00-0013 EA 48" Diameter x 60" Depth, 470 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	2,071.24	
For Anti-Flotation Flanges, Add	294.00	
For Perforated Basins, Add	140.00	

**23 70 Central HVAC Equipment** <sup>(23)</sup>

Note: New air filters shall be provided on HVAC equipment prior to turning over to owner. Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0010 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

**23 71 Thermal Storage** <sup>(23 70)</sup>**23 71 13 Thermal Heat Storage** <sup>(23 71)</sup>**23 71 13 23 Pressurized-Water Thermal Storage Tanks** <sup>(23 71 13)</sup>**23 71 13 23-0001 Nickelshield Storage Tanks** <sup>(23 71 13 23)</sup>

23 71 13 23-0002 EA 325 Gallon Nickelshield Storage Tank.....	16,802.91	118.00
23 71 13 23-0003 EA 490 Gallon Nickelshield Storage Tank.....	23,449.03	156.45
23 71 13 23-0004 EA 605 Gallon Nickelshield Storage Tank.....	26,844.86	189.22
23 71 13 23-0005 EA 740 Gallon Nickelshield Storage Tank.....	31,783.64	236.53
23 71 13 23-0006 EA 940 Gallon Nickelshield Storage Tank.....	36,974.87	314.42
23 71 13 23-0007 EA 1,505 Gallon Nickelshield Storage Tank.....	47,767.40	473.11
23 71 13 23-0008 EA 1,615 Gallon Nickelshield Storage Tank.....	53,941.87	532.88
23 71 13 23-0009 EA 2,275 Gallon Nickelshield Storage Tank.....	74,078.78	707.81
23 71 13 23-0010 EA 3,815 Gallon Nickelshield Storage Tank.....	95,860.02	822.86

**23 72 Air-To-Air Energy Recovery Equipment** <sup>(23 70)</sup>**23 72 13 Heat-Wheel Air-To-Air Energy-Recovery Equipment** <sup>(23 72)</sup>**23 72 13 00-0001 Enthalpy Recovery Wheel** <sup>(23 72 13)</sup>

23 72 13 00-0002 EA Up To 1,000 CFM Enthalpy Recovery Wheel.....	6,028.14	484.61
23 72 13 00-0003 EA >1,000 To 2,000 CFM Enthalpy Recovery Wheel.....	6,698.94	581.69
23 72 13 00-0004 EA >2,000 To 4,000 CFM Enthalpy Recovery Wheel.....	8,382.37	727.10
23 72 13 00-0005 EA >4,000 To 6,000 CFM Enthalpy Recovery Wheel.....	9,799.42	830.71
23 72 13 00-0006 EA >6,000 To 8,000 CFM Enthalpy Recovery Wheel.....	10,835.42	872.52
23 72 13 00-0007 EA >8,000 To 10,000 CFM Enthalpy Recovery Wheel.....	13,154.95	969.59
23 72 13 00-0008 EA >10,000 To 15,000 CFM Enthalpy Recovery Wheel.....	17,431.50	1,017.94
23 72 13 00-0009 EA >15,000 To 20,000 CFM Enthalpy Recovery Wheel.....	21,683.70	1,090.65
23 72 13 00-0010 EA >20,000 To 25,000 CFM Enthalpy Recovery Wheel.....	26,247.22	1,246.25
23 72 13 00-0011 EA >25,000 To 30,000 CFM Enthalpy Recovery Wheel.....	29,446.68	1,599.63
23 72 13 00-0012 EA >30,000 To 40,000 CFM Enthalpy Recovery Wheel.....	39,412.73	1,817.76
23 72 13 00-0013 EA >40,000 To 50,000 CFM Enthalpy Recovery Wheel.....	46,881.23	2,181.30

**23 72 16 Heat-Pipe Air-To-Air Energy-Recovery Equipment** <sup>(23 72)</sup>**23 72 16 00-0001 Glycol Heat Pipe Type, 50 Percent Efficient** <sup>(23 72 16)</sup>

23 72 16 00-0002 EA 100 MBH, 1,700 CFM Glycol Heat Recovery Unit.....	10,786.69	363.55
23 72 16 00-0003 EA 160 MBH, 2,700 CFM Glycol Heat Recovery Unit.....	16,946.46	484.76
23 72 16 00-0004 EA 620 MBH, 4,000 CFM Glycol Heat Recovery Unit.....	25,123.82	727.10

**23 73 Indoor Central-Station Air-Handling Units** <sup>(23 70)</sup>**23 73 13 Modular Indoor Central-Station Air-Handling Units** <sup>(23 73)</sup>

Note: Sized by CFM. Includes motor drive vibration isolators. Use modifiers for Filters and heating and cooling coils. Includes double wall insulated casing, fan section, fan motor, internal dampers, starter, vibration isolators and equipment rigging. Variable speed drives are included on units with 10 HP or greater fans. Modifiers include cooling coil sections with 6 row aluminum fin coil and drain pan, heating coil section with 1 row aluminum fin coil, and filter section with replaceable filters.

**23 73 13 00-0001 Single Zone Units** <sup>(23 73 13)</sup>

Note: Horizontal/vertical draw-thru fan, motor and cabinet.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0002 EA 300 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	1,800.69	330.44
For Flat Filter Box And Throwaway Filters, Add	156.47	
For Medium Capacity Filter Box And Throwaway Filters, Add	298.77	
For Combination Filter Mixing Box And Throwaway Filters, Add	445.80	
For Manual Roll Filter, Add	777.96	
For Automatic Roll Filter, Add	844.39	
For Hot Water Heating Coil, Aluminum Fins, Add	379.37	
For Electric Heating Coil, Add	645.09	
For Chilled Water Cooling Coil, Aluminum Fins, Add	645.09	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	578.66	
For Steam Heating Coil, Aluminum Fins, Add	512.23	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	422.19	
For Chilled Water Cooling Coil, Copper Fins, Add	777.96	
For Direct Expansion Cooling Coil, Copper Fins, Add	711.53	
For Hot Water Heating Coil, Copper Fins, Add	512.23	
For Variable Air Volume, Add	186.01	
For Economizer, Panel, Controls And Damper(s), Add	970.44	
For 2 Coils, Independent Circuits, Add	206.64	
23 73 13 00-0003 EA 500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	2,916.68	396.52
For Flat Filter Box And Throwaway Filters, Add	263.37	
For Medium Capacity Filter Box And Throwaway Filters, Add	509.75	
For Combination Filter Mixing Box And Throwaway Filters, Add	761.80	
For Manual Roll Filter, Add	1,349.47	
For Automatic Roll Filter, Add	1,467.00	
For Hot Water Heating Coil, Aluminum Fins, Add	644.27	
For Electric Heating Coil, Add	1,114.40	
For Chilled Water Cooling Coil, Aluminum Fins, Add	1,114.40	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	996.87	
For Steam Heating Coil, Aluminum Fins, Add	879.34	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	733.50	
For Chilled Water Cooling Coil, Copper Fins, Add	1,349.47	
For Direct Expansion Cooling Coil, Copper Fins, Add	1,231.94	
For Hot Water Heating Coil, Copper Fins, Add	879.34	
For Variable Air Volume, Add	329.09	
For Economizer, Panel, Controls And Damper(s), Add	1,036.21	
For 2 Coils, Independent Circuits, Add	338.68	
23 73 13 00-0004 EA 800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	3,309.79	425.85
For Flat Filter Box And Throwaway Filters, Add	300.56	
For Medium Capacity Filter Box And Throwaway Filters, Add	582.88	
For Combination Filter Mixing Box And Throwaway Filters, Add	871.27	
For Manual Roll Filter, Add	1,546.64	
For Automatic Roll Filter, Add	1,681.71	
For Hot Water Heating Coil, Aluminum Fins, Add	736.20	
For Electric Heating Coil, Add	1,276.49	
For Chilled Water Cooling Coil, Aluminum Fins, Add	1,276.49	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,141.42	
For Steam Heating Coil, Aluminum Fins, Add	1,006.35	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	840.86	
For Chilled Water Cooling Coil, Copper Fins, Add	1,546.64	
For Direct Expansion Cooling Coil, Copper Fins, Add	1,411.57	
For Hot Water Heating Coil, Copper Fins, Add	1,006.35	
For Variable Air Volume, Add	378.21	
For Economizer, Panel, Controls And Damper(s), Add	1,065.82	
For 2 Coils, Independent Circuits, Add	385.01	
23 73 13 00-0005 EA 1,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	3,747.52	457.59
For Flat Filter Box And Throwaway Filters, Add	342.06	
For Medium Capacity Filter Box And Throwaway Filters, Add	664.51	
For Combination Filter Mixing Box And Throwaway Filters, Add	993.49	
For Manual Roll Filter, Add	1,766.92	
For Automatic Roll Filter, Add	1,921.61	
For Hot Water Heating Coil, Aluminum Fins, Add	838.81	
For Electric Heating Coil, Add	1,457.55	
For Chilled Water Cooling Coil, Aluminum Fins, Add	1,457.55	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,302.87	
For Steam Heating Coil, Aluminum Fins, Add	1,148.18	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	960.80	
For Chilled Water Cooling Coil, Copper Fins, Add	1,766.92	
For Direct Expansion Cooling Coil, Copper Fins, Add	1,612.24	
For Hot Water Heating Coil, Copper Fins, Add	1,148.18	
For Variable Air Volume, Add	433.12	
For Economizer, Panel, Controls And Damper(s), Add	1,097.67	
For 2 Coils, Independent Circuits, Add	436.63	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0006	EA		1,200 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	4,265.75	492.29
			For Flat Filter Box And Throwaway Filters, Add	391.45	
			For Medium Capacity Filter Box And Throwaway Filters, Add	761.83	
			For Combination Filter Mixing Box And Throwaway Filters, Add	1,139.23	
			For Manual Roll Filter, Add	2,030.06	
			For Automatic Roll Filter, Add	2,208.22	
			For Hot Water Heating Coil, Aluminum Fins, Add	961.07	
			For Electric Heating Coil, Add	1,673.73	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	1,673.73	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,495.56	
			For Steam Heating Coil, Aluminum Fins, Add	1,317.40	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,104.11	
			For Chilled Water Cooling Coil, Copper Fins, Add	2,030.06	
			For Direct Expansion Cooling Coil, Copper Fins, Add	1,851.89	
			For Hot Water Heating Coil, Copper Fins, Add	1,317.40	
			For Variable Air Volume, Add	498.86	
			For Economizer, Panel, Controls And Damper(s), Add	1,131.72	
			For 2 Coils, Independent Circuits, Add	497.84	
23 73 13 00-0007	EA		1,400 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	4,871.50	529.05
			For Flat Filter Box And Throwaway Filters, Add	449.36	
			For Medium Capacity Filter Box And Throwaway Filters, Add	876.05	
			For Combination Filter Mixing Box And Throwaway Filters, Add	1,310.30	
			For Manual Roll Filter, Add	2,339.23	
			For Automatic Roll Filter, Add	2,545.02	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,104.51	
			For Electric Heating Coil, Add	1,927.66	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	1,927.66	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,721.87	
			For Steam Heating Coil, Aluminum Fins, Add	1,516.09	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,272.51	
			For Chilled Water Cooling Coil, Copper Fins, Add	2,339.23	
			For Direct Expansion Cooling Coil, Copper Fins, Add	2,133.45	
			For Hot Water Heating Coil, Copper Fins, Add	1,516.09	
			For Variable Air Volume, Add	576.20	
			For Economizer, Panel, Controls And Damper(s), Add	1,169.03	
			For 2 Coils, Independent Circuits, Add	569.46	
23 73 13 00-0008	EA		1,600 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	5,340.89	568.76
			For Flat Filter Box And Throwaway Filters, Add	493.55	
			For Medium Capacity Filter Box And Throwaway Filters, Add	962.77	
			For Combination Filter Mixing Box And Throwaway Filters, Add	1,440.11	
			For Manual Roll Filter, Add	2,572.63	
			For Automatic Roll Filter, Add	2,799.13	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,213.60	
			For Electric Heating Coil, Add	2,119.62	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	2,119.62	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	1,893.11	
			For Steam Heating Coil, Aluminum Fins, Add	1,666.61	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,399.56	
			For Chilled Water Cooling Coil, Copper Fins, Add	2,572.63	
			For Direct Expansion Cooling Coil, Copper Fins, Add	2,346.12	
			For Hot Water Heating Coil, Copper Fins, Add	1,666.61	
			For Variable Air Volume, Add	634.21	
			For Economizer, Panel, Controls And Damper(s), Add	1,207.57	
			For 2 Coils, Independent Circuits, Add	624.69	
23 73 13 00-0009	EA		1,800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	5,847.51	612.96
			For Flat Filter Box And Throwaway Filters, Add	540.98	
			For Medium Capacity Filter Box And Throwaway Filters, Add	1,055.69	
			For Combination Filter Mixing Box And Throwaway Filters, Add	1,579.16	
			For Manual Roll Filter, Add	2,822.17	
			For Automatic Roll Filter, Add	3,070.77	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,330.56	
			For Electric Heating Coil, Add	2,324.97	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	2,324.97	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,076.36	
			For Steam Heating Coil, Aluminum Fins, Add	1,827.76	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,535.39	
			For Chilled Water Cooling Coil, Copper Fins, Add	2,822.17	
			For Direct Expansion Cooling Coil, Copper Fins, Add	2,573.57	
			For Hot Water Heating Coil, Copper Fins, Add	1,827.76	
			For Variable Air Volume, Add	696.09	
			For Economizer, Panel, Controls And Damper(s), Add	1,231.51	
			For 2 Coils, Independent Circuits, Add	684.19	



<b>Heating, Ventilating, And Air-Conditioning (HVAC)</b>	<b>23</b>
<b>Central HVAC Equipment</b>	<b>23 70</b>
<b>Indoor Central-Station Air-Handling Units</b>	<b>23 73</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0010 EA 2,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	6,408.09	657.16
For Flat Filter Box And Throwaway Filters, Add	593.87	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,159.57	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,734.66	
For Manual Roll Filter, Add	3,101.97	
For Automatic Roll Filter, Add	3,375.43	
For Hot Water Heating Coil, Aluminum Fins, Add	1,461.20	
For Electric Heating Coil, Add	2,555.04	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,555.04	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,281.58	
For Steam Heating Coil, Aluminum Fins, Add	2,008.12	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,687.71	
For Chilled Water Cooling Coil, Copper Fins, Add	3,101.97	
For Direct Expansion Cooling Coil, Copper Fins, Add	2,828.51	
For Hot Water Heating Coil, Copper Fins, Add	2,008.12	
For Variable Air Volume, Add	765.69	
For Economizer, Panel, Controls And Damper(s), Add	1,266.37	
For 2 Coils, Independent Circuits, Add	750.19	
23 73 13 00-0011 EA 2,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	6,920.29	706.37
For Flat Filter Box And Throwaway Filters, Add	641.57	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,252.88	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,874.27	
For Manual Roll Filter, Add	3,352.07	
For Automatic Roll Filter, Add	3,647.63	
For Hot Water Heating Coil, Aluminum Fins, Add	1,578.71	
For Electric Heating Coil, Add	2,760.95	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,760.95	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,465.39	
For Steam Heating Coil, Aluminum Fins, Add	2,169.83	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,823.81	
For Chilled Water Cooling Coil, Copper Fins, Add	3,352.07	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,056.51	
For Hot Water Heating Coil, Copper Fins, Add	2,169.83	
For Variable Air Volume, Add	827.57	
For Economizer, Panel, Controls And Damper(s), Add	1,305.00	
For 2 Coils, Independent Circuits, Add	810.25	
23 73 13 00-0012 EA 2,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	7,466.45	760.06
For Flat Filter Box And Throwaway Filters, Add	692.36	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,352.15	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,022.80	
For Manual Roll Filter, Add	3,618.00	
For Automatic Roll Filter, Add	3,937.04	
For Hot Water Heating Coil, Aluminum Fins, Add	1,703.76	
For Electric Heating Coil, Add	2,979.92	
For Chilled Water Cooling Coil, Aluminum Fins, Add	2,979.92	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	2,660.88	
For Steam Heating Coil, Aluminum Fins, Add	2,341.84	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	1,968.52	
For Chilled Water Cooling Coil, Copper Fins, Add	3,618.00	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,298.96	
For Hot Water Heating Coil, Copper Fins, Add	2,341.84	
For Variable Air Volume, Add	893.31	
For Economizer, Panel, Controls And Damper(s), Add	1,347.12	
For 2 Coils, Independent Circuits, Add	874.26	
23 73 13 00-0013 EA 3,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	8,687.23	879.79
For Flat Filter Box And Throwaway Filters, Add	805.88	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,574.06	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,354.81	
For Manual Roll Filter, Add	4,212.42	
For Automatic Roll Filter, Add	4,583.94	
For Hot Water Heating Coil, Aluminum Fins, Add	1,983.29	
For Electric Heating Coil, Add	3,469.37	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,469.37	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,097.85	
For Steam Heating Coil, Aluminum Fins, Add	2,726.33	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,291.97	
For Chilled Water Cooling Coil, Copper Fins, Add	4,212.42	
For Direct Expansion Cooling Coil, Copper Fins, Add	3,840.90	
For Hot Water Heating Coil, Copper Fins, Add	2,726.33	
For Variable Air Volume, Add	1,040.26	
For Economizer, Panel, Controls And Damper(s), Add	1,441.24	
For 2 Coils, Independent Circuits, Add	1,017.33	



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0014	EA		3,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	9,085.32	945.46
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	840.98	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,641.43	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	2,455.39	
			<i>For Manual Roll Filter, Add</i>	4,388.96	
			<i>For Automatic Roll Filter, Add</i>	4,775.67	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	2,068.67	
			<i>For Electric Heating Coil, Add</i>	3,615.53	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	3,615.53	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	3,228.82	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	2,842.10	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,387.84	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	4,388.96	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	4,002.24	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	2,842.10	
			<i>For Variable Air Volume, Add</i>	1,082.80	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,493.07	
			<i>For 2 Coils, Independent Circuits, Add</i>	1,063.22	
23 73 13 00-0015	EA		3,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	9,489.71	1,016.09
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	876.39	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,709.24	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	2,556.60	
			<i>For Manual Roll Filter, Add</i>	4,566.13	
			<i>For Automatic Roll Filter, Add</i>	4,968.04	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	2,154.69	
			<i>For Electric Heating Coil, Add</i>	3,762.32	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	3,762.32	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	3,360.41	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	2,958.50	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,484.02	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	4,566.13	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	4,164.22	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	2,958.50	
			<i>For Variable Air Volume, Add</i>	1,125.34	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,548.37	
			<i>For 2 Coils, Independent Circuits, Add</i>	1,109.73	
23 73 13 00-0016	EA		4,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	10,377.38	1,173.05
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	953.92	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,857.55	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	2,777.95	
			<i>For Manual Roll Filter, Add</i>	4,953.22	
			<i>For Automatic Roll Filter, Add</i>	5,388.27	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	2,342.90	
			<i>For Electric Heating Coil, Add</i>	4,083.11	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	4,083.11	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	3,648.06	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	3,213.00	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,694.13	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	4,953.22	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	4,518.16	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	3,213.00	
			<i>For Variable Air Volume, Add</i>	1,218.15	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,610.53	
			<i>For 2 Coils, Independent Circuits, Add</i>	1,211.76	
23 73 13 00-0017	EA		4,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	10,377.38	1,173.05
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	953.92	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,857.55	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	2,777.95	
			<i>For Manual Roll Filter, Add</i>	4,953.22	
			<i>For Automatic Roll Filter, Add</i>	5,388.27	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	2,342.90	
			<i>For Electric Heating Coil, Add</i>	4,083.11	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	4,083.11	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	3,648.06	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	3,213.00	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,694.13	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	4,953.22	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	4,518.16	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	3,213.00	
			<i>For Variable Air Volume, Add</i>	1,218.15	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,610.53	
			<i>For 2 Coils, Independent Circuits, Add</i>	1,211.76	



<b>Heating, Ventilating, And Air-Conditioning (HVAC)</b>	<b>23</b>
<b>Central HVAC Equipment</b>	<b>23 70</b>
<b>Indoor Central-Station Air-Handling Units</b>	<b>23 73</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0018 EA 5,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	11,344.41	1,347.35
For Flat Filter Box And Throwaway Filters, Add	1,038.18	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,018.61	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,018.29	
For Manual Roll Filter, Add	5,373.10	
For Automatic Roll Filter, Add	5,844.07	
For Hot Water Heating Coil, Aluminum Fins, Add	2,547.33	
For Electric Heating Coil, Add	4,431.18	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,431.18	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,960.22	
For Steam Heating Coil, Aluminum Fins, Add	3,489.25	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,922.03	
For Chilled Water Cooling Coil, Copper Fins, Add	5,373.10	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,902.14	
For Hot Water Heating Coil, Copper Fins, Add	3,489.25	
For Variable Air Volume, Add	1,318.70	
For Economizer, Panel, Controls And Damper(s), Add	1,710.06	
For 2 Coils, Independent Circuits, Add	1,322.83	
23 73 13 00-0019 EA 5,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	11,894.69	1,461.77
For Flat Filter Box And Throwaway Filters, Add	1,085.03	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,107.40	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,150.66	
For Manual Roll Filter, Add	5,602.15	
For Automatic Roll Filter, Add	6,092.45	
For Hot Water Heating Coil, Aluminum Fins, Add	2,660.36	
For Electric Heating Coil, Add	4,621.56	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,621.56	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,131.26	
For Steam Heating Coil, Aluminum Fins, Add	3,640.96	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,046.22	
For Chilled Water Cooling Coil, Copper Fins, Add	5,602.15	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,111.85	
For Hot Water Heating Coil, Copper Fins, Add	3,640.96	
For Variable Air Volume, Add	1,372.83	
For Economizer, Panel, Controls And Damper(s), Add	1,775.49	
For 2 Coils, Independent Circuits, Add	1,385.59	
23 73 13 00-0020 EA 6,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	12,436.27	1,570.39
For Flat Filter Box And Throwaway Filters, Add	1,131.45	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,195.59	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,282.16	
For Manual Roll Filter, Add	5,830.33	
For Automatic Roll Filter, Add	6,339.97	
For Hot Water Heating Coil, Aluminum Fins, Add	2,772.53	
For Electric Heating Coil, Add	4,811.07	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,811.07	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,301.43	
For Steam Heating Coil, Aluminum Fins, Add	3,791.80	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,169.98	
For Chilled Water Cooling Coil, Copper Fins, Add	5,830.33	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,320.70	
For Hot Water Heating Coil, Copper Fins, Add	3,791.80	
For Variable Air Volume, Add	1,426.98	
For Economizer, Panel, Controls And Damper(s), Add	1,837.44	
For 2 Coils, Independent Circuits, Add	1,447.48	
23 73 13 00-0021 EA 6,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	12,980.47	1,681.09
For Flat Filter Box And Throwaway Filters, Add	1,177.99	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,283.95	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,413.93	
For Manual Roll Filter, Add	6,058.77	
For Automatic Roll Filter, Add	6,587.74	
For Hot Water Heating Coil, Aluminum Fins, Add	2,884.96	
For Electric Heating Coil, Add	5,000.83	
For Chilled Water Cooling Coil, Aluminum Fins, Add	5,000.83	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,471.86	
For Steam Heating Coil, Aluminum Fins, Add	3,942.89	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,293.87	
For Chilled Water Cooling Coil, Copper Fins, Add	6,058.77	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,529.80	
For Hot Water Heating Coil, Copper Fins, Add	3,942.89	
For Variable Air Volume, Add	1,481.11	
For Economizer, Panel, Controls And Damper(s), Add	1,900.43	
For 2 Coils, Independent Circuits, Add	1,509.63	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0022 EA 7,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	13,606.52	1,809.55
For Flat Filter Box And Throwaway Filters, Add	1,231.39	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,385.23	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,564.92	
For Manual Roll Filter, Add	6,320.26	
For Automatic Roll Filter, Add	6,871.33	
For Hot Water Heating Coil, Aluminum Fins, Add	3,013.85	
For Electric Heating Coil, Add	5,218.12	
For Chilled Water Cooling Coil, Aluminum Fins, Add	5,218.12	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,667.06	
For Steam Heating Coil, Aluminum Fins, Add	4,115.99	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,435.66	
For Chilled Water Cooling Coil, Copper Fins, Add	6,320.26	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,769.19	
For Hot Water Heating Coil, Copper Fins, Add	4,115.99	
For Variable Air Volume, Add	1,542.99	
For Economizer, Panel, Controls And Damper(s), Add	1,974.07	
For 2 Coils, Independent Circuits, Add	1,581.08	
23 73 13 00-0023 EA 7,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	14,240.08	1,938.83
For Flat Filter Box And Throwaway Filters, Add	1,285.17	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,487.04	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,716.67	
For Manual Roll Filter, Add	6,582.50	
For Automatic Roll Filter, Add	7,155.66	
For Hot Water Heating Coil, Aluminum Fins, Add	3,143.50	
For Electric Heating Coil, Add	5,436.17	
For Chilled Water Cooling Coil, Aluminum Fins, Add	5,436.17	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,863.00	
For Steam Heating Coil, Aluminum Fins, Add	4,289.84	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,577.83	
For Chilled Water Cooling Coil, Copper Fins, Add	6,582.50	
For Direct Expansion Cooling Coil, Copper Fins, Add	6,009.33	
For Hot Water Heating Coil, Copper Fins, Add	4,289.84	
For Variable Air Volume, Add	1,604.86	
For Economizer, Panel, Controls And Damper(s), Add	2,013.03	
For 2 Coils, Independent Circuits, Add	1,653.27	
23 73 13 00-0024 EA 8,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	14,889.16	2,087.89
For Flat Filter Box And Throwaway Filters, Add	1,339.72	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,589.93	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,869.97	
For Manual Roll Filter, Add	6,846.29	
For Automatic Roll Filter, Add	7,441.55	
For Hot Water Heating Coil, Aluminum Fins, Add	3,274.71	
For Electric Heating Coil, Add	5,655.76	
For Chilled Water Cooling Coil, Aluminum Fins, Add	5,655.76	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,060.50	
For Steam Heating Coil, Aluminum Fins, Add	4,465.23	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,720.78	
For Chilled Water Cooling Coil, Copper Fins, Add	6,846.29	
For Direct Expansion Cooling Coil, Copper Fins, Add	6,251.02	
For Hot Water Heating Coil, Copper Fins, Add	4,465.23	
For Variable Air Volume, Add	1,666.74	
For Economizer, Panel, Controls And Damper(s), Add	2,075.17	
For 2 Coils, Independent Circuits, Add	1,727.02	
23 73 13 00-0025 EA 9,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	15,626.86	2,261.83
For Flat Filter Box And Throwaway Filters, Add	1,401.47	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,706.20	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,043.18	
For Manual Roll Filter, Add	7,143.80	
For Automatic Roll Filter, Add	7,763.92	
For Hot Water Heating Coil, Aluminum Fins, Add	3,423.06	
For Electric Heating Coil, Add	5,903.55	
For Chilled Water Cooling Coil, Aluminum Fins, Add	5,903.55	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,283.43	
For Steam Heating Coil, Aluminum Fins, Add	4,663.30	
For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,881.96	
For Chilled Water Cooling Coil, Copper Fins, Add	7,143.80	
For Direct Expansion Cooling Coil, Copper Fins, Add	6,523.67	
For Hot Water Heating Coil, Copper Fins, Add	4,663.30	
For Variable Air Volume, Add	1,736.35	
For Economizer, Panel, Controls And Damper(s), Add	2,147.32	
For 2 Coils, Independent Circuits, Add	1,810.74	



<b>Heating, Ventilating, And Air-Conditioning (HVAC)</b>	<b>23</b>
<b>Central HVAC Equipment</b>	<b>23 70</b>
<b>Indoor Central-Station Air-Handling Units</b>	<b>23 73</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0026 EA 10,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	16,350.34 1,462.50 2,821.48 4,214.97 7,439.89 8,084.87 3,569.98 6,149.92 6,149.92 5,504.94 4,859.95 4,042.43 7,439.89 6,794.90 4,859.95 1,805.95 2,215.20 1,893.03	2,414.90
23 73 13 00-0027 EA 11,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	16,477.26 1,481.28 2,862.68 4,277.38 7,564.45 8,221.86 3,619.97 6,249.62 6,249.62 5,592.21 4,934.79 4,110.93 7,564.45 6,907.03 4,934.79 1,840.76 2,178.70 1,910.69	2,338.25
23 73 13 00-0028 EA 12,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	17,102.15 1,524.95 2,938.74 4,389.59 7,738.81 8,408.66 3,719.75 6,399.12 6,399.12 5,729.28 5,059.44 4,204.33 7,738.81 7,068.97 5,059.44 1,875.56 2,291.58 1,978.15	2,594.22
23 73 13 00-0029 EA 13,700 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	18,035.74 1,611.68 3,108.23 4,643.16 8,192.64 8,902.54 3,933.26 6,772.85 6,772.85 6,062.95 5,353.06 4,451.27 8,192.64 7,482.75 5,353.06 1,987.71 2,167.56 2,087.53	2,698.43

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0030 EA 15,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	19,006.21 1,700.26 3,280.30 4,900.42 8,650.16 9,400.11 4,150.47 7,150.26 7,150.26 6,400.32 5,650.37 4,700.06 8,650.16 7,900.21 5,650.37 2,099.86 2,201.45 2,200.60	2,802.93
23 73 13 00-0031 EA 16,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	20,052.94 1,798.17 3,472.07 5,187.40 9,165.03 9,960.55 4,391.87 7,573.98 7,573.98 6,778.45 5,982.92 4,980.28 9,165.03 8,369.50 5,982.92 2,227.47 2,228.48 2,323.50	2,910.73
23 73 13 00-0032 EA 17,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	21,132.59 1,897.73 3,666.15 5,477.67 9,683.19 10,524.29 4,636.57 8,000.98 8,000.98 7,159.88 6,318.77 5,262.14 9,683.19 8,842.08 6,318.77 2,355.09 2,262.11 2,449.70	3,018.65
23 73 13 00-0033 EA 20,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	23,630.17 2,131.72 4,124.66 7,114.07 10,344.79 10,914.92 4,263.44 4,643.52 8,064.29 7,114.07 6,163.86 4,982.35 9,964.71 9,014.50 7,114.07 2,660.59 2,544.54 2,743.10	3,236.21



<b>Heating, Ventilating, And Air-Conditioning (HVAC)</b>	<b>23</b>
<b>Central HVAC Equipment</b>	<b>23 70</b>
<b>Indoor Central-Station Air-Handling Units</b>	<b>23 73</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0034 EA 22,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	26,269.81 2,376.95 4,603.89 7,944.30 11,560.07 12,198.15 4,753.91 5,179.29 9,007.76 7,944.30 6,880.84 5,567.34 11,134.69 10,071.23 7,944.30 2,977.70 2,610.09 3,052.37	3,487.75
23 73 13 00-0035 EA 25,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	29,180.79 2,650.95 5,141.61 8,877.62 12,930.10 13,645.25 5,301.89 5,778.66 10,069.52 8,877.62 7,685.71 6,226.67 12,453.34 11,261.43 8,877.62 3,337.34 2,669.96 3,394.84	3,737.05
23 73 13 00-0036 EA 27,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	36,242.54 3,336.89 6,501.35 11,248.04 16,432.22 17,347.08 6,673.77 7,283.67 12,772.80 11,248.04 9,723.29 7,911.16 15,822.32 14,297.56 11,248.04 4,269.32 2,740.79 4,234.16	4,024.71
23 73 13 00-0037 EA 30,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Steam Heating Coil, Aluminum Fins, Add For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For Hot Water Heating Coil, Copper Fins, Add For Variable Air Volume, Add For Economizer, Panel, Controls And Damper(s), Add For 2 Coils, Independent Circuits, Add	40,605.10 3,753.89 7,323.82 12,678.71 18,539.08 19,573.27 7,507.79 8,197.24 14,402.35 12,678.71 10,955.07 8,924.81 17,849.63 16,125.99 12,678.71 4,826.19 2,684.85 4,749.97	4,295.78

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0038	EA		32,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	44,530.77	4,625.93
			For Flat Filter Box And Throwaway Filters, Add	4,122.82	
			For Medium Capacity Filter Box And Throwaway Filters, Add	8,047.48	
			For Combination Filter Mixing Box And Throwaway Filters, Add	13,934.47	
			For Manual Roll Filter, Add	20,381.82	
			For Automatic Roll Filter, Add	21,519.59	
			For Hot Water Heating Coil, Aluminum Fins, Add	8,245.64	
			For Electric Heating Coil, Add	9,004.15	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	15,830.75	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	13,934.47	
			For Steam Heating Coil, Aluminum Fins, Add	12,038.20	
			For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	9,811.66	
			For Chilled Water Cooling Coil, Copper Fins, Add	19,623.31	
			For Direct Expansion Cooling Coil, Copper Fins, Add	17,727.03	
			For Hot Water Heating Coil, Copper Fins, Add	13,934.47	
			For Variable Air Volume, Add	5,309.58	
			For Economizer, Panel, Controls And Damper(s), Add	2,755.78	
			For 2 Coils, Independent Circuits, Add	5,211.59	
23 73 13 00-0039	EA		35,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	48,886.34	5,475.60
			For Flat Filter Box And Throwaway Filters, Add	4,529.81	
			For Medium Capacity Filter Box And Throwaway Filters, Add	8,844.33	
			For Combination Filter Mixing Box And Throwaway Filters, Add	15,316.10	
			For Manual Roll Filter, Add	22,406.78	
			For Automatic Roll Filter, Add	23,658.07	
			For Hot Water Heating Coil, Aluminum Fins, Add	9,059.62	
			For Electric Heating Coil, Add	9,893.82	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	17,401.59	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	15,316.10	
			For Steam Heating Coil, Aluminum Fins, Add	13,230.61	
			For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	10,786.29	
			For Chilled Water Cooling Coil, Copper Fins, Add	21,572.58	
			For Direct Expansion Cooling Coil, Copper Fins, Add	19,487.09	
			For Hot Water Heating Coil, Copper Fins, Add	15,316.10	
			For Variable Air Volume, Add	5,839.38	
			For Economizer, Panel, Controls And Damper(s), Add	2,841.47	
			For 2 Coils, Independent Circuits, Add	5,722.83	
23 73 13 00-0040	EA		37,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	52,660.47	5,328.34
			For Flat Filter Box And Throwaway Filters, Add	4,885.63	
			For Medium Capacity Filter Box And Throwaway Filters, Add	9,543.02	
			For Combination Filter Mixing Box And Throwaway Filters, Add	16,529.09	
			For Manual Roll Filter, Add	24,187.96	
			For Automatic Roll Filter, Add	25,539.53	
			For Hot Water Heating Coil, Aluminum Fins, Add	9,771.27	
			For Electric Heating Coil, Add	10,672.31	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	18,781.70	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	16,529.09	
			For Steam Heating Coil, Aluminum Fins, Add	14,276.48	
			For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	11,643.46	
			For Chilled Water Cooling Coil, Copper Fins, Add	23,286.92	
			For Direct Expansion Cooling Coil, Copper Fins, Add	21,034.31	
			For Hot Water Heating Coil, Copper Fins, Add	16,529.09	
			For Variable Air Volume, Add	6,307.31	
			For Economizer, Panel, Controls And Damper(s), Add	2,906.24	
			For 2 Coils, Independent Circuits, Add	6,167.09	
23 73 13 00-0041	EA		40,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	56,813.24	5,700.02
			For Flat Filter Box And Throwaway Filters, Add	5,272.82	
			For Medium Capacity Filter Box And Throwaway Filters, Add	10,300.53	
			For Combination Filter Mixing Box And Throwaway Filters, Add	17,842.10	
			For Manual Roll Filter, Add	26,111.42	
			For Automatic Roll Filter, Add	27,570.71	
			For Hot Water Heating Coil, Aluminum Fins, Add	10,545.63	
			For Electric Heating Coil, Add	11,518.49	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	20,274.25	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	17,842.10	
			For Steam Heating Coil, Aluminum Fins, Add	15,409.94	
			For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	12,569.28	
			For Chilled Water Cooling Coil, Copper Fins, Add	25,138.56	
			For Direct Expansion Cooling Coil, Copper Fins, Add	22,706.41	
			For Hot Water Heating Coil, Copper Fins, Add	17,842.10	
			For Variable Air Volume, Add	6,810.03	
			For Economizer, Panel, Controls And Damper(s), Add	2,851.27	
			For 2 Coils, Independent Circuits, Add	6,654.19	



<b>Heating, Ventilating, And Air-Conditioning (HVAC)</b>	<b>23</b>
<b>Central HVAC Equipment</b>	<b>23 70</b>
<b>Indoor Central-Station Air-Handling Units</b>	<b>23 73</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0042 EA 45,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	61,330.22 5,693.40 11,123.04 19,267.48 28,198.92 29,775.05 11,386.81 12,437.56 21,894.38 19,267.48 16,640.59 13,574.08 27,148.16 24,521.27 19,267.48 7,355.30 2,929.05 7,183.78	6,154.43
23 73 13 00-0043 EA 47,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	63,880.23 5,928.63 11,581.63 20,061.12 29,358.83 30,999.60 11,857.26 12,951.11 22,795.74 20,061.12 17,326.50 14,132.49 28,264.98 25,530.36 20,061.12 7,656.94 2,978.48 7,481.87	6,443.51
23 73 13 00-0044 EA 50,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	66,287.89 6,151.22 12,015.89 20,812.90 30,458.10 32,160.20 12,302.44 13,437.16 23,649.73 20,812.90 17,976.08 14,661.69 29,323.37 26,486.55 20,812.90 7,943.10 3,023.93 7,763.52	6,691.33
23 73 13 00-0045 EA 55,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... <i>For Flat Filter Box And Throwaway Filters, Add</i> <i>For Medium Capacity Filter Box And Throwaway Filters, Add</i> <i>For Combination Filter Mixing Box And Throwaway Filters, Add</i> <i>For Manual Roll Filter, Add</i> <i>For Automatic Roll Filter, Add</i> <i>For Hot Water Heating Coil, Aluminum Fins, Add</i> <i>For Electric Heating Coil, Add</i> <i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i> <i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i> <i>For Steam Heating Coil, Aluminum Fins, Add</i> <i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i> <i>For Chilled Water Cooling Coil, Copper Fins, Add</i> <i>For Direct Expansion Cooling Coil, Copper Fins, Add</i> <i>For Hot Water Heating Coil, Copper Fins, Add</i> <i>For Variable Air Volume, Add</i> <i>For Economizer, Panel, Controls And Damper(s), Add</i> <i>For 2 Coils, Independent Circuits, Add</i>	71,506.81 6,640.05 12,973.72 22,474.22 32,894.23 34,733.05 13,280.10 14,505.98 25,538.93 22,474.22 19,409.51 15,834.17 31,668.35 28,603.64 22,474.22 8,581.18 3,106.58 8,376.56	7,145.68



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 73 13 00-0046	EA	60,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	78,325.83	7,641.33
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	7,286.23	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	14,244.64	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	24,682.26	
		<i>For Manual Roll Filter, Add</i>	36,140.05	
		<i>For Automatic Roll Filter, Add</i>	38,162.01	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	14,572.46	
		<i>For Electric Heating Coil, Add</i>	15,920.43	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	28,052.20	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	24,682.26	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	21,312.33	
		<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	17,396.04	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	34,792.07	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	31,422.14	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	24,682.26	
		<i>For Variable Air Volume, Add</i>	9,435.82	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	2,992.71	
		<i>For 2 Coils, Independent Circuits, Add</i>	9,180.56	
23 73 13 00-0047	EA	65,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	85,939.88	8,260.90
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	8,003.92	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	15,653.81	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	27,128.64	
		<i>For Manual Roll Filter, Add</i>	39,732.20	
		<i>For Automatic Roll Filter, Add</i>	41,956.35	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	16,007.85	
		<i>For Electric Heating Coil, Add</i>	17,490.62	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	30,835.57	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	27,128.64	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	23,421.71	
		<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	19,124.71	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	38,249.42	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	34,542.49	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	27,128.64	
		<i>For Variable Air Volume, Add</i>	10,379.40	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,080.13	
		<i>For 2 Coils, Independent Circuits, Add</i>	10,076.76	
23 73 13 00-0048	EA	70,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....	94,396.49	8,963.08
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	8,798.28	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	17,211.73	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	29,831.90	
		<i>For Manual Roll Filter, Add</i>	43,698.64	
		<i>For Automatic Roll Filter, Add</i>	46,145.71	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	17,596.55	
		<i>For Electric Heating Coil, Add</i>	19,227.93	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	33,910.36	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	29,831.90	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	25,753.45	
		<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	21,033.63	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	42,067.26	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	37,988.81	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	29,831.90	
		<i>For Variable Air Volume, Add</i>	11,419.66	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,182.75	
		<i>For 2 Coils, Independent Circuits, Add</i>	11,071.03	
23 73 13 00-0049	<b>Multi-Zone Units <sup>(23 73 13)</sup></b>			
		Note: Horizontal/vertical blow-thru fan, motor and cabinet.		
23 73 13 00-0050	EA	1,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	5,481.34	743.36
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,383.23	
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	495.05	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	958.24	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	1,211.07	
		<i>For Manual Roll Filter, Add</i>	2,536.95	
		<i>For Automatic Roll Filter, Add</i>	2,536.95	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	548.13	
		<i>For Electric Heating Coil, Add</i>	636.53	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	2,094.99	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	2,094.99	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	2,536.95	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	2,536.95	
		<i>For 2 Coils, Independent Circuits, Add</i>	636.53	
23 73 13 00-0051	EA	1,200 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	6,827.34	931.30
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,571.34	
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	616.21	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,192.51	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	1,507.26	
		<i>For Manual Roll Filter, Add</i>	3,156.32	
		<i>For Automatic Roll Filter, Add</i>	3,156.32	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	682.73	
		<i>For Electric Heating Coil, Add</i>	792.67	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	2,606.64	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	2,606.64	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	3,156.32	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	3,156.32	
		<i>For 2 Coils, Independent Circuits, Add</i>	792.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0052 EA 1,600 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	8,542.46	991.19
For Economizer, Panel, Controls And Damper(s), Add	1,631.11	
For Flat Filter Box And Throwaway Filters, Add	783.45	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,524.43	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,923.23	
For Manual Roll Filter, Add	4,061.21	
For Automatic Roll Filter, Add	4,061.21	
For Hot Water Heating Coil, Aluminum Fins, Add	854.25	
For Electric Heating Coil, Add	996.78	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,348.55	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,348.55	
For Chilled Water Cooling Coil, Copper Fins, Add	4,061.21	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,061.21	
For 2 Coils, Independent Circuits, Add	996.78	
23 73 13 00-0053 EA 2,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	8,863.47	1,061.41
For Economizer, Panel, Controls And Damper(s), Add	1,701.13	
For Flat Filter Box And Throwaway Filters, Add	810.55	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,575.63	
For Combination Filter Mixing Box And Throwaway Filters, Add	1,988.48	
For Manual Roll Filter, Add	4,192.75	
For Automatic Roll Filter, Add	4,192.75	
For Hot Water Heating Coil, Aluminum Fins, Add	886.35	
For Electric Heating Coil, Add	1,033.30	
For Chilled Water Cooling Coil, Aluminum Fins, Add	3,458.00	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,458.00	
For Chilled Water Cooling Coil, Copper Fins, Add	4,192.75	
For Direct Expansion Cooling Coil, Copper Fins, Add	4,192.75	
For 2 Coils, Independent Circuits, Add	1,033.30	
23 73 13 00-0054 EA 2,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	10,437.07	1,137.82
For Economizer, Panel, Controls And Damper(s), Add	1,777.86	
For Flat Filter Box And Throwaway Filters, Add	962.43	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,876.10	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,365.44	
For Manual Roll Filter, Add	5,008.90	
For Automatic Roll Filter, Add	5,008.90	
For Hot Water Heating Coil, Aluminum Fins, Add	1,043.71	
For Electric Heating Coil, Add	1,219.94	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,127.75	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,127.75	
For Chilled Water Cooling Coil, Copper Fins, Add	5,008.90	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,008.90	
For 2 Coils, Independent Circuits, Add	1,219.94	
23 73 13 00-0055 EA 3,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	10,994.12	1,218.48
For Economizer, Panel, Controls And Damper(s), Add	1,858.43	
For Flat Filter Box And Throwaway Filters, Add	1,012.38	
For Medium Capacity Filter Box And Throwaway Filters, Add	1,972.54	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,487.44	
For Manual Roll Filter, Add	5,263.49	
For Automatic Roll Filter, Add	5,263.49	
For Hot Water Heating Coil, Aluminum Fins, Add	1,099.41	
For Electric Heating Coil, Add	1,284.48	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,338.14	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,338.14	
For Chilled Water Cooling Coil, Copper Fins, Add	5,263.49	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,263.49	
For 2 Coils, Independent Circuits, Add	1,284.48	
23 73 13 00-0056 EA 3,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	11,581.56	1,301.04
For Economizer, Panel, Controls And Damper(s), Add	1,940.93	
For Flat Filter Box And Throwaway Filters, Add	1,065.23	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,074.71	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,616.62	
For Manual Roll Filter, Add	5,533.55	
For Automatic Roll Filter, Add	5,533.55	
For Hot Water Heating Coil, Aluminum Fins, Add	1,158.16	
For Electric Heating Coil, Add	1,352.62	
For Chilled Water Cooling Coil, Aluminum Fins, Add	4,561.24	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,561.24	
For Chilled Water Cooling Coil, Copper Fins, Add	5,533.55	
For Direct Expansion Cooling Coil, Copper Fins, Add	5,533.55	
For 2 Coils, Independent Circuits, Add	1,352.62	
23 73 13 00-0057 EA 4,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	12,956.20	1,396.10
For Economizer, Panel, Controls And Damper(s), Add	1,844.56	
For Flat Filter Box And Throwaway Filters, Add	1,196.12	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,332.53	
For Combination Filter Mixing Box And Throwaway Filters, Add	2,940.54	
For Manual Roll Filter, Add	6,230.37	
For Automatic Roll Filter, Add	6,230.37	
For Hot Water Heating Coil, Aluminum Fins, Add	1,295.62	
For Electric Heating Coil, Add	1,514.94	
For Chilled Water Cooling Coil, Aluminum Fins, Add	5,133.76	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,133.76	
For Chilled Water Cooling Coil, Copper Fins, Add	6,230.37	
For Direct Expansion Cooling Coil, Copper Fins, Add	6,230.37	
For 2 Coils, Independent Circuits, Add	1,514.94	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0058 EA 4,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	14,179.36	1,495.11
For Economizer, Panel, Controls And Damper(s), Add	1,924.79	
For Flat Filter Box And Throwaway Filters, Add	1,311.14	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,558.19	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,224.44	
For Manual Roll Filter, Add	6,837.46	
For Automatic Roll Filter, Add	6,837.46	
For Hot Water Heating Coil, Aluminum Fins, Add	1,417.94	
For Electric Heating Coil, Add	1,658.80	
For Chilled Water Cooling Coil, Aluminum Fins, Add	5,633.12	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,633.12	
For Chilled Water Cooling Coil, Copper Fins, Add	6,837.46	
For Direct Expansion Cooling Coil, Copper Fins, Add	6,837.46	
For 2 Coils, Independent Circuits, Add	1,658.80	
23 73 13 00-0059 EA 5,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	14,982.36	1,596.83
For Economizer, Panel, Controls And Damper(s), Add	2,001.82	
For Flat Filter Box And Throwaway Filters, Add	1,384.43	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,700.59	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,404.18	
For Manual Roll Filter, Add	7,216.08	
For Automatic Roll Filter, Add	7,216.08	
For Hot Water Heating Coil, Aluminum Fins, Add	1,498.24	
For Electric Heating Coil, Add	1,752.36	
For Chilled Water Cooling Coil, Aluminum Fins, Add	5,945.45	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,945.45	
For Chilled Water Cooling Coil, Copper Fins, Add	7,216.08	
For Direct Expansion Cooling Coil, Copper Fins, Add	7,216.08	
For 2 Coils, Independent Circuits, Add	1,752.36	
23 73 13 00-0060 EA 5,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	16,553.34	1,705.99
For Economizer, Panel, Controls And Damper(s), Add	2,091.05	
For Flat Filter Box And Throwaway Filters, Add	1,533.42	
For Medium Capacity Filter Box And Throwaway Filters, Add	2,993.69	
For Combination Filter Mixing Box And Throwaway Filters, Add	3,772.59	
For Manual Roll Filter, Add	8,007.11	
For Automatic Roll Filter, Add	8,007.11	
For Hot Water Heating Coil, Aluminum Fins, Add	1,655.33	
For Electric Heating Coil, Add	1,937.64	
For Chilled Water Cooling Coil, Aluminum Fins, Add	6,595.61	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,595.61	
For Chilled Water Cooling Coil, Copper Fins, Add	8,007.11	
For Direct Expansion Cooling Coil, Copper Fins, Add	8,007.11	
For 2 Coils, Independent Circuits, Add	1,937.64	
23 73 13 00-0061 EA 6,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	17,607.00	1,825.78
For Economizer, Panel, Controls And Damper(s), Add	2,184.41	
For Flat Filter Box And Throwaway Filters, Add	1,630.30	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,182.36	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,010.55	
For Manual Roll Filter, Add	8,510.24	
For Automatic Roll Filter, Add	8,510.24	
For Hot Water Heating Coil, Aluminum Fins, Add	1,760.70	
For Electric Heating Coil, Add	2,060.68	
For Chilled Water Cooling Coil, Aluminum Fins, Add	7,010.34	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,010.34	
For Chilled Water Cooling Coil, Copper Fins, Add	8,510.24	
For Direct Expansion Cooling Coil, Copper Fins, Add	8,510.24	
For 2 Coils, Independent Circuits, Add	2,060.68	
23 73 13 00-0062 EA 6,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	19,320.63	1,982.62
For Economizer, Panel, Controls And Damper(s), Add	2,306.52	
For Flat Filter Box And Throwaway Filters, Add	1,790.56	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,496.22	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,405.65	
For Manual Roll Filter, Add	9,352.83	
For Automatic Roll Filter, Add	9,352.83	
For Hot Water Heating Coil, Aluminum Fins, Add	1,932.06	
For Electric Heating Coil, Add	2,261.87	
For Chilled Water Cooling Coil, Aluminum Fins, Add	7,703.77	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,703.77	
For Chilled Water Cooling Coil, Copper Fins, Add	9,352.83	
For Direct Expansion Cooling Coil, Copper Fins, Add	9,352.83	
For 2 Coils, Independent Circuits, Add	2,261.87	
23 73 13 00-0063 EA 7,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	20,755.40	2,135.50
For Economizer, Panel, Controls And Damper(s), Add	2,427.19	
For Flat Filter Box And Throwaway Filters, Add	1,923.07	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,754.65	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,731.44	
For Manual Roll Filter, Add	10,043.23	
For Automatic Roll Filter, Add	10,043.23	
For Hot Water Heating Coil, Aluminum Fins, Add	2,075.54	
For Electric Heating Coil, Add	2,429.66	
For Chilled Water Cooling Coil, Aluminum Fins, Add	8,272.63	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,272.63	
For Chilled Water Cooling Coil, Copper Fins, Add	10,043.23	
For Direct Expansion Cooling Coil, Copper Fins, Add	10,043.23	
For 2 Coils, Independent Circuits, Add	2,429.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0064 EA 7,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	21,743.63	2,308.92
For Economizer, Panel, Controls And Damper(s), Add	2,256.74	
For Flat Filter Box And Throwaway Filters, Add	2,009.77	
For Medium Capacity Filter Box And Throwaway Filters, Add	3,920.79	
For Combination Filter Mixing Box And Throwaway Filters, Add	4,942.13	
For Manual Roll Filter, Add	10,477.66	
For Automatic Roll Filter, Add	10,477.66	
For Hot Water Heating Coil, Aluminum Fins, Add	2,174.36	
For Electric Heating Coil, Add	2,543.40	
For Chilled Water Cooling Coil, Aluminum Fins, Add	8,632.49	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,632.49	
For Chilled Water Cooling Coil, Copper Fins, Add	10,477.66	
For Direct Expansion Cooling Coil, Copper Fins, Add	10,477.66	
For 2 Coils, Independent Circuits, Add	2,543.40	
23 73 13 00-0065 EA 8,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	24,166.29	2,490.55
For Economizer, Panel, Controls And Damper(s), Add	2,363.98	
For Flat Filter Box And Throwaway Filters, Add	2,238.63	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,370.46	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,507.58	
For Manual Roll Filter, Add	11,689.48	
For Automatic Roll Filter, Add	11,689.48	
For Hot Water Heating Coil, Aluminum Fins, Add	2,416.63	
For Electric Heating Coil, Add	2,828.76	
For Chilled Water Cooling Coil, Aluminum Fins, Add	9,628.84	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	9,628.84	
For Chilled Water Cooling Coil, Copper Fins, Add	11,689.48	
For Direct Expansion Cooling Coil, Copper Fins, Add	11,689.48	
For 2 Coils, Independent Circuits, Add	2,828.76	
23 73 13 00-0066 EA 8,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	25,410.92	2,684.68
For Economizer, Panel, Controls And Damper(s), Add	2,475.12	
For Flat Filter Box And Throwaway Filters, Add	2,349.20	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,583.27	
For Combination Filter Mixing Box And Throwaway Filters, Add	5,777.06	
For Manual Roll Filter, Add	12,248.99	
For Automatic Roll Filter, Add	12,248.99	
For Hot Water Heating Coil, Aluminum Fins, Add	2,541.09	
For Electric Heating Coil, Add	2,972.55	
For Chilled Water Cooling Coil, Aluminum Fins, Add	10,091.68	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	10,091.68	
For Chilled Water Cooling Coil, Copper Fins, Add	12,248.99	
For Direct Expansion Cooling Coil, Copper Fins, Add	12,248.99	
For 2 Coils, Independent Circuits, Add	2,972.55	
23 73 13 00-0067 EA 9,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	26,791.19	2,907.83
For Economizer, Panel, Controls And Damper(s), Add	2,596.32	
For Flat Filter Box And Throwaway Filters, Add	2,472.08	
For Medium Capacity Filter Box And Throwaway Filters, Add	4,819.93	
For Combination Filter Mixing Box And Throwaway Filters, Add	6,076.68	
For Manual Roll Filter, Add	12,871.79	
For Automatic Roll Filter, Add	12,871.79	
For Hot Water Heating Coil, Aluminum Fins, Add	2,679.12	
For Electric Heating Coil, Add	3,132.13	
For Chilled Water Cooling Coil, Aluminum Fins, Add	10,606.76	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	10,606.76	
For Chilled Water Cooling Coil, Copper Fins, Add	12,871.79	
For Direct Expansion Cooling Coil, Copper Fins, Add	12,871.79	
For 2 Coils, Independent Circuits, Add	3,132.13	
23 73 13 00-0068 EA 10,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	28,270.09	3,138.97
For Economizer, Panel, Controls And Damper(s), Add	2,526.15	
For Flat Filter Box And Throwaway Filters, Add	2,602.65	
For Medium Capacity Filter Box And Throwaway Filters, Add	5,070.68	
For Combination Filter Mixing Box And Throwaway Filters, Add	6,394.45	
For Manual Roll Filter, Add	13,529.32	
For Automatic Roll Filter, Add	13,529.32	
For Hot Water Heating Coil, Aluminum Fins, Add	2,827.01	
For Electric Heating Coil, Add	3,302.67	
For Chilled Water Cooling Coil, Aluminum Fins, Add	11,151.03	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	11,151.03	
For Chilled Water Cooling Coil, Copper Fins, Add	13,529.32	
For Direct Expansion Cooling Coil, Copper Fins, Add	13,529.32	
For 2 Coils, Independent Circuits, Add	3,302.67	
23 73 13 00-0069 EA 11,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	29,043.38	3,258.93
For Economizer, Panel, Controls And Damper(s), Add	2,579.98	
For Flat Filter Box And Throwaway Filters, Add	2,671.01	
For Medium Capacity Filter Box And Throwaway Filters, Add	5,202.02	
For Combination Filter Mixing Box And Throwaway Filters, Add	6,560.86	
For Manual Roll Filter, Add	13,873.89	
For Automatic Roll Filter, Add	13,873.89	
For Hot Water Heating Coil, Aluminum Fins, Add	2,904.34	
For Electric Heating Coil, Add	3,391.87	
For Chilled Water Cooling Coil, Aluminum Fins, Add	11,436.21	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	11,436.21	
For Chilled Water Cooling Coil, Copper Fins, Add	13,873.89	
For Direct Expansion Cooling Coil, Copper Fins, Add	13,873.89	
For 2 Coils, Independent Circuits, Add	3,391.87	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0070 EA 12,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	29,789.71	3,375.22
For Economizer, Panel, Controls And Damper(s), Add	2,625.71	
For Flat Filter Box And Throwaway Filters, Add	2,738.02	
For Medium Capacity Filter Box And Throwaway Filters, Add	5,331.47	
For Combination Filter Mixing Box And Throwaway Filters, Add	6,724.57	
For Manual Roll Filter, Add	14,215.77	
For Automatic Roll Filter, Add	14,215.77	
For Hot Water Heating Coil, Aluminum Fins, Add	2,978.97	
For Electric Heating Coil, Add	3,478.38	
For Chilled Water Cooling Coil, Aluminum Fins, Add	11,718.71	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	11,718.71	
For Chilled Water Cooling Coil, Copper Fins, Add	14,215.77	
For Direct Expansion Cooling Coil, Copper Fins, Add	14,215.77	
For 2 Coils, Independent Circuits, Add	3,478.38	
23 73 13 00-0071 EA 13,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	33,866.77	3,510.88
For Economizer, Panel, Controls And Damper(s), Add	2,405.79	
For Flat Filter Box And Throwaway Filters, Add	3,135.23	
For Medium Capacity Filter Box And Throwaway Filters, Add	6,119.59	
For Combination Filter Mixing Box And Throwaway Filters, Add	7,712.35	
For Manual Roll Filter, Add	16,363.69	
For Automatic Roll Filter, Add	16,363.69	
For Hot Water Heating Coil, Aluminum Fins, Add	3,386.68	
For Electric Heating Coil, Add	3,963.43	
For Chilled Water Cooling Coil, Aluminum Fins, Add	13,479.91	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	13,479.91	
For Chilled Water Cooling Coil, Copper Fins, Add	16,363.69	
For Direct Expansion Cooling Coil, Copper Fins, Add	16,363.69	
For 2 Coils, Independent Circuits, Add	3,963.43	
23 73 13 00-0072 EA 15,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	37,921.62	3,649.96
For Economizer, Panel, Controls And Damper(s), Add	2,647.92	
For Flat Filter Box And Throwaway Filters, Add	3,531.33	
For Medium Capacity Filter Box And Throwaway Filters, Add	6,906.16	
For Combination Filter Mixing Box And Throwaway Filters, Add	8,697.90	
For Manual Roll Filter, Add	18,509.39	
For Automatic Roll Filter, Add	18,509.39	
For Hot Water Heating Coil, Aluminum Fins, Add	3,792.16	
For Electric Heating Coil, Add	4,446.26	
For Chilled Water Cooling Coil, Aluminum Fins, Add	15,238.89	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	15,238.89	
For Chilled Water Cooling Coil, Copper Fins, Add	18,509.39	
For Direct Expansion Cooling Coil, Copper Fins, Add	18,509.39	
For 2 Coils, Independent Circuits, Add	4,446.26	
23 73 13 00-0073 EA 16,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	43,872.15	3,787.62
For Economizer, Panel, Controls And Damper(s), Add	2,681.39	
For Flat Filter Box And Throwaway Filters, Add	4,116.82	
For Medium Capacity Filter Box And Throwaway Filters, Add	8,071.40	
For Combination Filter Mixing Box And Throwaway Filters, Add	10,156.85	
For Manual Roll Filter, Add	21,696.12	
For Automatic Roll Filter, Add	21,696.12	
For Hot Water Heating Coil, Aluminum Fins, Add	4,387.22	
For Electric Heating Coil, Add	5,156.50	
For Chilled Water Cooling Coil, Aluminum Fins, Add	17,849.70	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	17,849.70	
For Chilled Water Cooling Coil, Copper Fins, Add	21,696.12	
For Direct Expansion Cooling Coil, Copper Fins, Add	21,696.12	
For 2 Coils, Independent Circuits, Add	5,156.50	
23 73 13 00-0074 EA 17,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	49,825.37	3,923.93
For Economizer, Panel, Controls And Damper(s), Add	2,715.33	
For Flat Filter Box And Throwaway Filters, Add	4,702.44	
For Medium Capacity Filter Box And Throwaway Filters, Add	9,236.83	
For Combination Filter Mixing Box And Throwaway Filters, Add	11,616.06	
For Manual Roll Filter, Add	24,883.11	
For Automatic Roll Filter, Add	24,883.11	
For Hot Water Heating Coil, Aluminum Fins, Add	4,982.54	
For Electric Heating Coil, Add	5,867.01	
For Chilled Water Cooling Coil, Aluminum Fins, Add	20,460.76	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	20,460.76	
For Chilled Water Cooling Coil, Copper Fins, Add	24,883.11	
For Direct Expansion Cooling Coil, Copper Fins, Add	24,883.11	
For 2 Coils, Independent Circuits, Add	5,867.01	
23 73 13 00-0075 EA 20,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	56,045.16	4,254.36
For Economizer, Panel, Controls And Damper(s), Add	2,798.33	
For Flat Filter Box And Throwaway Filters, Add	5,300.71	
For Medium Capacity Filter Box And Throwaway Filters, Add	7,920.68	
For Combination Filter Mixing Box And Throwaway Filters, Add	13,099.86	
For Manual Roll Filter, Add	20,595.21	
For Automatic Roll Filter, Add	25,592.10	
For Hot Water Heating Coil, Aluminum Fins, Add	5,604.52	
For Electric Heating Coil, Add	6,603.90	
For Chilled Water Cooling Coil, Aluminum Fins, Add	20,595.21	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	20,595.21	
For Steam Heating Coil, Aluminum Fins, Add	10,601.41	
For Chilled Water Cooling Coil, Copper Fins, Add	25,592.10	
For Direct Expansion Cooling Coil, Copper Fins, Add	25,592.10	
For 2 Coils, Independent Circuits, Add	6,603.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0076 EA 22,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	60,436.22	4,626.11
For Economizer, Panel, Controls And Damper(s), Add	2,750.87	
For Flat Filter Box And Throwaway Filters, Add	5,715.00	
For Medium Capacity Filter Box And Throwaway Filters, Add	8,539.63	
For Combination Filter Mixing Box And Throwaway Filters, Add	14,123.18	
For Manual Roll Filter, Add	22,202.74	
For Automatic Roll Filter, Add	27,589.11	
For Hot Water Heating Coil, Aluminum Fins, Add	6,043.62	
For Electric Heating Coil, Add	7,120.90	
For Chilled Water Cooling Coil, Aluminum Fins, Add	22,202.74	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	22,202.74	
For Steam Heating Coil, Aluminum Fins, Add	11,430.00	
For Chilled Water Cooling Coil, Copper Fins, Add	27,589.11	
For Direct Expansion Cooling Coil, Copper Fins, Add	27,589.11	
For 2 Coils, Independent Circuits, Add	7,120.90	
23 73 13 00-0077 EA 25,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	72,437.29	4,997.67
For Economizer, Panel, Controls And Damper(s), Add	2,835.68	
For Flat Filter Box And Throwaway Filters, Add	6,886.84	
For Medium Capacity Filter Box And Throwaway Filters, Add	10,294.56	
For Combination Filter Mixing Box And Throwaway Filters, Add	17,038.64	
For Manual Roll Filter, Add	26,833.55	
For Automatic Roll Filter, Add	33,363.49	
For Hot Water Heating Coil, Aluminum Fins, Add	7,243.73	
For Electric Heating Coil, Add	8,549.72	
For Chilled Water Cooling Coil, Aluminum Fins, Add	26,833.55	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	26,833.55	
For Steam Heating Coil, Aluminum Fins, Add	13,773.67	
For Chilled Water Cooling Coil, Copper Fins, Add	33,363.49	
For Direct Expansion Cooling Coil, Copper Fins, Add	33,363.49	
For 2 Coils, Independent Circuits, Add	8,549.72	
23 73 13 00-0078 EA 27,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	82,050.81	5,410.88
For Economizer, Panel, Controls And Damper(s), Add	2,922.83	
For Flat Filter Box And Throwaway Filters, Add	7,819.14	
For Medium Capacity Filter Box And Throwaway Filters, Add	11,690.11	
For Combination Filter Mixing Box And Throwaway Filters, Add	19,354.87	
For Manual Roll Filter, Add	30,504.67	
For Automatic Roll Filter, Add	37,937.86	
For Hot Water Heating Coil, Aluminum Fins, Add	8,205.08	
For Electric Heating Coil, Add	9,691.72	
For Chilled Water Cooling Coil, Aluminum Fins, Add	30,504.67	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	30,504.67	
For Steam Heating Coil, Aluminum Fins, Add	15,638.28	
For Chilled Water Cooling Coil, Copper Fins, Add	37,937.86	
For Direct Expansion Cooling Coil, Copper Fins, Add	37,937.86	
For 2 Coils, Independent Circuits, Add	9,691.72	
23 73 13 00-0079 EA 30,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	88,953.66	5,824.11
For Economizer, Panel, Controls And Damper(s), Add	3,013.57	
For Flat Filter Box And Throwaway Filters, Add	8,479.18	
For Medium Capacity Filter Box And Throwaway Filters, Add	12,677.15	
For Combination Filter Mixing Box And Throwaway Filters, Add	20,989.85	
For Manual Roll Filter, Add	33,084.32	
For Automatic Roll Filter, Add	41,147.31	
For Hot Water Heating Coil, Aluminum Fins, Add	8,895.37	
For Electric Heating Coil, Add	10,507.96	
For Chilled Water Cooling Coil, Aluminum Fins, Add	33,084.32	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	33,084.32	
For Steam Heating Coil, Aluminum Fins, Add	16,958.35	
For Chilled Water Cooling Coil, Copper Fins, Add	41,147.31	
For Direct Expansion Cooling Coil, Copper Fins, Add	41,147.31	
For 2 Coils, Independent Circuits, Add	10,507.96	
23 73 13 00-0080 EA 32,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	99,222.99	6,815.07
For Economizer, Panel, Controls And Damper(s), Add	3,045.79	
For Flat Filter Box And Throwaway Filters, Add	9,435.98	
For Medium Capacity Filter Box And Throwaway Filters, Add	14,105.34	
For Combination Filter Mixing Box And Throwaway Filters, Add	23,346.80	
For Manual Roll Filter, Add	36,771.30	
For Automatic Roll Filter, Add	45,720.96	
For Hot Water Heating Coil, Aluminum Fins, Add	9,922.30	
For Electric Heating Coil, Add	11,712.23	
For Chilled Water Cooling Coil, Aluminum Fins, Add	36,771.30	
For Direct Expansion Cooling Coil, Aluminum Fins, Add	36,771.30	
For Steam Heating Coil, Aluminum Fins, Add	18,871.97	
For Chilled Water Cooling Coil, Copper Fins, Add	45,720.96	
For Direct Expansion Cooling Coil, Copper Fins, Add	45,720.96	
For 2 Coils, Independent Circuits, Add	11,712.23	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)**

**23 70 Central HVAC Equipment**

**23 73 Indoor Central-Station Air-Handling Units**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0081	EA		35,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	99,586.76	7,063.06
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,091.26	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	9,454.17	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	14,130.81	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	23,383.18	
			<i>For Manual Roll Filter, Add</i>	36,807.67	
			<i>For Automatic Roll Filter, Add</i>	45,757.34	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	9,958.68	
			<i>For Electric Heating Coil, Add</i>	11,748.61	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	36,807.67	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	36,807.67	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	18,908.34	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	45,757.34	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	45,757.34	
			<i>For 2 Coils, Independent Circuits, Add</i>	11,748.61	
23 73 13 00-0082	EA		37,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	104,204.39	7,310.66
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,136.74	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	9,897.75	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	14,794.35	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	24,483.02	
			<i>For Manual Roll Filter, Add</i>	38,545.59	
			<i>For Automatic Roll Filter, Add</i>	47,920.64	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	10,420.44	
			<i>For Electric Heating Coil, Add</i>	12,295.45	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	38,545.59	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	38,545.59	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	19,795.49	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	47,920.64	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	47,920.64	
			<i>For 2 Coils, Independent Circuits, Add</i>	12,295.45	
23 73 13 00-0083	EA		40,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	108,904.25	7,847.85
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,230.47	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	10,330.24	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	15,439.34	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	25,545.50	
			<i>For Manual Roll Filter, Add</i>	40,200.58	
			<i>For Automatic Roll Filter, Add</i>	49,970.63	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	10,890.43	
			<i>For Electric Heating Coil, Add</i>	12,844.44	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	40,200.58	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	40,200.58	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	20,660.48	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	49,970.63	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	49,970.63	
			<i>For 2 Coils, Independent Circuits, Add</i>	12,844.44	
23 73 13 00-0084	EA		45,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	117,515.34	8,260.90
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,298.63	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	11,164.08	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	16,687.38	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	27,616.47	
			<i>For Manual Roll Filter, Add</i>	43,481.42	
			<i>For Automatic Roll Filter, Add</i>	54,058.04	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	11,751.53	
			<i>For Electric Heating Coil, Add</i>	13,866.86	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	43,481.42	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	43,481.42	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	22,328.16	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	54,058.04	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	54,058.04	
			<i>For 2 Coils, Independent Circuits, Add</i>	13,866.86	
23 73 13 00-0085	EA		50,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	126,408.67	8,715.25
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,146.62	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	12,017.56	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	17,964.01	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	29,732.24	
			<i>For Manual Roll Filter, Add</i>	46,823.62	
			<i>For Automatic Roll Filter, Add</i>	58,217.87	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	12,640.87	
			<i>For Electric Heating Coil, Add</i>	14,919.72	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	46,823.62	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	46,823.62	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	24,035.12	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	58,217.87	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	58,217.87	
			<i>For 2 Coils, Independent Circuits, Add</i>	14,919.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0086 EA 55,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	136,268.32	9,252.21
<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,221.04	
<i>For Flat Filter Box And Throwaway Filters, Add</i>	12,966.31	
<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	19,383.42	
<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	32,085.52	
<i>For Manual Roll Filter, Add</i>	50,544.21	
<i>For Automatic Roll Filter, Add</i>	62,850.00	
<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	13,626.83	
<i>For Electric Heating Coil, Add</i>	16,087.99	
<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	50,544.21	
<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	50,544.21	
<i>For Steam Heating Coil, Aluminum Fins, Add</i>	25,932.62	
<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	62,850.00	
<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	62,850.00	
<i>For 2 Coils, Independent Circuits, Add</i>	16,087.99	
23 73 13 00-0087 EA 60,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	146,466.51	9,500.04
<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,254.74	
<i>For Flat Filter Box And Throwaway Filters, Add</i>	13,969.28	
<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	20,886.18	
<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	34,584.52	
<i>For Manual Roll Filter, Add</i>	54,522.38	
<i>For Automatic Roll Filter, Add</i>	67,814.30	
<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	14,646.65	
<i>For Electric Heating Coil, Add</i>	17,305.03	
<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	54,522.38	
<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	54,522.38	
<i>For Steam Heating Coil, Aluminum Fins, Add</i>	27,938.56	
<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	67,814.30	
<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	67,814.30	
<i>For 2 Coils, Independent Circuits, Add</i>	17,305.03	
<b>23 73 13 00-0088 Return/Supply Air Fan <small>(23 73 13)</small></b>		
Note: Includes vibration mounts.		
23 73 13 00-0089 EA 300 CFM Return Air Fan.....	2,363.42	330.38
23 73 13 00-0090 EA 500 CFM Return Air Fan.....	3,086.50	396.46
23 73 13 00-0091 EA 750 CFM Return Air Fan.....	3,224.79	412.98
23 73 13 00-0092 EA 1,000 CFM Return Air Fan.....	3,703.77	437.77
23 73 13 00-0093 EA 1,250 CFM Return Air Fan.....	3,811.53	458.42
23 73 13 00-0094 EA 1,500 CFM Return Air Fan.....	3,893.14	479.08
23 73 13 00-0095 EA 1,750 CFM Return Air Fan.....	4,085.14	503.86
23 73 13 00-0096 EA 2,000 CFM Return Air Fan.....	4,564.11	528.63
23 73 13 00-0097 EA 2,250 CFM Return Air Fan.....	4,782.14	553.42
23 73 13 00-0098 EA 2,500 CFM Return Air Fan.....	4,895.83	578.20
23 73 13 00-0099 EA 3,000 CFM Return Air Fan.....	5,166.79	640.16
23 73 13 00-0100 EA 3,500 CFM Return Air Fan.....	5,292.38	673.21
23 73 13 00-0101 EA 4,000 CFM Return Air Fan.....	5,411.93	702.12
23 73 13 00-0102 EA 4,500 CFM Return Air Fan.....	5,563.60	735.22
23 73 13 00-0103 EA 5,000 CFM Return Air Fan.....	5,694.90	772.39
23 73 13 00-0104 EA 5,500 CFM Return Air Fan.....	5,928.96	863.27
23 73 13 00-0105 EA 6,000 CFM Return Air Fan.....	6,706.93	1,024.35
23 73 13 00-0106 EA 6,500 CFM Return Air Fan.....	6,887.42	1,040.87
23 73 13 00-0107 EA 7,000 CFM Return Air Fan.....	6,971.33	1,045.00
23 73 13 00-0108 EA 8,000 CFM Return Air Fan.....	7,360.55	1,061.52
23 73 13 00-0109 EA 9,000 CFM Return Air Fan.....	7,532.83	1,073.92
23 73 13 00-0110 EA 10,000 CFM Return Air Fan.....	7,933.05	1,115.40
23 73 13 00-0111 EA 12,500 CFM Return Air Fan.....	8,483.27	1,135.82
23 73 13 00-0112 EA 15,000 CFM Return Air Fan.....	9,652.08	1,168.09
23 73 13 00-0113 EA 17,500 CFM Return Air Fan.....	10,550.36	1,230.82
23 73 13 00-0114 EA 20,000 CFM Return Air Fan.....	12,661.81	1,284.40
23 73 13 00-0115 EA 22,500 CFM Return Air Fan.....	13,277.73	1,329.18
23 73 13 00-0116 EA 25,000 CFM Return Air Fan.....	13,898.86	1,367.18
23 73 13 00-0117 EA 27,500 CFM Return Air Fan.....	14,695.89	1,503.49
23 73 13 00-0118 EA 30,000 CFM Return Air Fan.....	15,726.45	1,585.97
23 73 13 00-0119 EA 35,000 CFM Return Air Fan.....	17,830.35	1,652.01
23 73 13 00-0120 EA 40,000 CFM Return Air Fan.....	21,092.82	1,817.23
23 73 13 00-0121 EA 45,000 CFM Return Air Fan.....	26,064.15	2,065.05
23 73 13 00-0122 EA 50,000 CFM Return Air Fan.....	31,962.66	2,139.58
23 73 13 00-0123 EA 55,000 CFM Return Air Fan.....	33,482.99	2,201.35
23 73 13 00-0124 EA 60,000 CFM Return Air Fan.....	34,247.26	2,259.18
23 73 13 00-0125 EA 65,000 CFM Return Air Fan.....	35,924.62	2,358.25
23 73 13 00-0126 EA 70,000 CFM Return Air Fan.....	37,734.49	2,474.37
23 73 13 00-0127 EA 75,000 CFM Return Air Fan.....	40,625.40	2,595.75
23 73 13 00-0128 EA 80,000 CFM Return Air Fan.....	42,413.37	2,733.35
23 73 13 00-0129 EA 90,000 CFM Return Air Fan.....	43,753.77	2,889.01
23 73 13 00-0130 EA 100,000 CFM Return Air Fan.....	47,098.98	3,021.25
23 73 13 00-0131 EA 115,000 CFM Return Air Fan.....	50,723.15	3,165.76
23 73 13 00-0132 EA 130,000 CFM Return Air Fan.....	54,655.06	3,325.24
23 73 13 00-0133 EA 150,000 CFM Return Air Fan.....	59,889.37	3,502.38
<b>23 73 13 00-0134 Removal And Reinstallation Of Air Handling Unit <small>(23 73 13)</small></b>		
Note: Air handling units with filter and coils. Includes storage and cleaning. Excludes ductwork.		



**23 Heating, Ventilating, And Air-Conditioning (HVAC)**

**23 70 Central HVAC Equipment**

**23 73 Indoor Central-Station Air-Handling Units**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0135	EA		Removal And Reinstallation Of Up To 11,500 CFM Air Handling Unit.....	1,512.98	
23 73 13 00-0136	EA		Removal And Reinstallation Of >11,500 To 16,500 CFM Air Handling Unit.....	2,052.40	
23 73 13 00-0137	EA		Removal And Reinstallation Of >16,500 To 22,000 CFM Air Handling Unit.....	2,553.16	
23 73 13 00-0138	EA		Removal And Reinstallation Of >22,000 CFM Air Handling Unit.....	4,658.41	
<b>23 74 Packaged Outdoor HVAC Equipment</b> <small>(23 70)</small>					
<b>23 74 16 Packaged Rooftop Air-Conditioning Units</b> <small>(23 74)</small>					
<b>23 74 16 13 Packaged, Large-Capacity, Rooftop Air-Conditioning Units</b> <small>(23 74 16)</small>					
23 74 16 13-0001			Electric Cooling, Electric Heat, Self Contained Packaged Rooftop Air-Conditioning Units <small>(23 74 16 13)</small> Note: Units up to 5 tons have 13 SEER. Units >5 to 11 tons have 11.7 EER, >11 to 20 tons have 11.7 EER, >20 to 63 tons have 10.5 EER and >63 tons have 9.2 EER. Excludes crane and associated personnel. See CSI section 01 22 23 00-0926 for crane lifting equipment, 26 28 16 16-0001 for disconnects.		
23 74 16 13-0002	EA		2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit..... Note: Electric load approximately 1/2 the cooling capacity.	3,014.76	188.24
			<i>For Unit Without Heat, Deduct</i>	-414.63	
			<i>For Unit Economizer, Add</i>	412.04	
			<i>For Equipment Base Roof Curb, Add</i>	370.58	
23 74 16 13-0003	EA		3 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit..... Note: Electric load approximately 1/2 the cooling capacity.	4,430.71	213.30
			<i>For Unit Without Heat, Deduct</i>	-621.95	
			<i>For Unit Economizer, Add</i>	608.92	
			<i>For Equipment Base Roof Curb, Add</i>	546.73	
23 74 16 13-0004	EA		4 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit..... Note: Electric load approximately 1/2 the cooling capacity.	5,515.83	218.71
			<i>For Unit Without Heat, Deduct</i>	-783.70	
			<i>For Unit Economizer, Add</i>	760.57	
			<i>For Equipment Base Roof Curb, Add</i>	682.20	
23 74 16 13-0005	EA		5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit..... Note: Electric load approximately 1/2 the cooling capacity.	6,896.48	274.24
			<i>For Unit Without Heat, Deduct</i>	-979.63	
			<i>For Unit Economizer, Add</i>	950.88	
			<i>For Equipment Base Roof Curb, Add</i>	852.92	
23 74 16 13-0006	EA		6 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit..... Note: Electric load approximately 1/2 the cooling capacity.	8,271.51	294.55
			<i>For Unit Without Heat, Deduct</i>	-1,181.82	
			<i>For Unit Economizer, Add</i>	1,142.30	
			<i>For Equipment Base Roof Curb, Add</i>	1,024.12	
23 74 16 13-0007	EA		7.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit..... Note: Electric load approximately 1/2 the cooling capacity.	9,646.53	314.86
			<i>For Unit Without Heat, Deduct</i>	-1,384.01	
			<i>For Unit Economizer, Add</i>	1,333.72	
			<i>For Equipment Base Roof Curb, Add</i>	1,195.32	
23 74 16 13-0008	EA		8.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit..... Note: Electric load approximately 1/2 the cooling capacity.	11,198.61	325.02
			<i>For Unit Without Heat, Deduct</i>	-1,614.79	
			<i>For Unit Economizer, Add</i>	1,550.47	
			<i>For Equipment Base Roof Curb, Add</i>	1,388.99	
23 74 16 13-0009	EA		10 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit..... Note: Electric load approximately 1/2 the cooling capacity.	12,742.41	330.43
			<i>For Unit Without Heat, Deduct</i>	-1,845.34	
			<i>For Unit Economizer, Add</i>	1,766.33	
			<i>For Equipment Base Roof Curb, Add</i>	1,581.80	
23 74 16 13-0010	EA		12.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit..... Note: Electric load approximately 1/2 the cooling capacity.	15,933.09	416.43
			<i>For Unit Without Heat, Deduct</i>	-2,306.68	
			<i>For Unit Economizer, Add</i>	2,208.42	
			<i>For Equipment Base Roof Curb, Add</i>	1,977.76	
23 74 16 13-0011	EA		15 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit..... Note: Electric load approximately 1/2 the cooling capacity.	19,117.00	497.68
			<i>For Unit Without Heat, Deduct</i>	-2,768.01	
			<i>For Unit Economizer, Add</i>	2,649.84	
			<i>For Equipment Base Roof Curb, Add</i>	2,373.04	
23 74 16 13-0012	EA		17.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit..... Note: Electric load approximately 1/2 the cooling capacity.	21,534.74	574.19
			<i>For Unit Without Heat, Deduct</i>	-3,115.44	
			<i>For Unit Economizer, Add</i>	2,984.26	
			<i>For Equipment Base Roof Curb, Add</i>	2,672.71	
23 74 16 13-0013	EA		20 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit..... Note: Electric load approximately 1/2 the cooling capacity.	23,959.24	655.45
			<i>For Unit Without Heat, Deduct</i>	-3,462.86	
			<i>For Unit Economizer, Add</i>	3,319.35	
			<i>For Equipment Base Roof Curb, Add</i>	2,973.07	
23 74 16 13-0014	EA		22.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit..... Note: Electric load approximately 1/2 the cooling capacity.	26,844.96	655.45
			<i>For Unit Without Heat, Deduct</i>	-3,895.72	
			<i>For Unit Economizer, Add</i>	3,723.36	
			<i>For Equipment Base Roof Curb, Add</i>	3,333.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0015 EA 25 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	29,967.68	832.85
Note: Electric load approximately 1/2 the cooling capacity.		
For Unit Without Heat, Deduct	-4,328.58	
For Unit Economizer, Add	4,151.06	
For Equipment Base Roof Curb, Add	3,718.20	
23 74 16 13-0016 EA 27.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	32,975.28	924.27
Note: Electric load approximately 1/2 the cooling capacity.		
For Unit Without Heat, Deduct	-4,761.44	
For Unit Economizer, Add	4,567.24	
For Equipment Base Roof Curb, Add	4,091.10	
23 74 16 13-0017 EA 30 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	35,982.88	1,015.68
Note: Electric load approximately 1/2 the cooling capacity.		
For Unit Without Heat, Deduct	-5,194.30	
For Unit Economizer, Add	4,983.43	
For Equipment Base Roof Curb, Add	4,464.00	
23 74 16 13-0018 EA 35 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	41,889.74	1,117.25
Note: Electric load approximately 1/2 the cooling capacity.		
For Unit Without Heat, Deduct	-6,060.01	
For Unit Economizer, Add	5,804.98	
For Equipment Base Roof Curb, Add	5,198.98	
23 74 16 13-0019 EA 40 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	44,752.23	1,214.07
Note: Electric load approximately 1/2 the cooling capacity.		
For Unit Without Heat, Deduct	-6,470.09	
For Unit Economizer, Add	6,200.58	
For Equipment Base Roof Curb, Add	5,553.57	
23 74 16 13-0020 EA 45 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	50,353.88	1,371.16
Note: Electric load approximately 1/2 the cooling capacity.		
For Unit Without Heat, Deduct	-7,278.85	
For Unit Economizer, Add	6,976.41	
For Equipment Base Roof Curb, Add	6,248.53	
23 74 16 13-0021 EA 50 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	55,948.76	1,523.52
Note: Electric load approximately 1/2 the cooling capacity.		
For Unit Without Heat, Deduct	-8,087.61	
For Unit Economizer, Add	7,751.57	
For Equipment Base Roof Curb, Add	6,942.81	
23 74 16 13-0022 EA 55 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	59,619.50	1,600.03
Note: Electric load approximately 1/2 the cooling capacity.		
For Unit Without Heat, Deduct	-8,622.99	
For Unit Economizer, Add	8,261.41	
For Equipment Base Roof Curb, Add	7,399.11	
23 74 16 13-0023 EA 60 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	63,263.17	1,655.55
Note: Electric load approximately 1/2 the cooling capacity.		
For Unit Without Heat, Deduct	-9,158.36	
For Unit Economizer, Add	8,768.55	
For Equipment Base Roof Curb, Add	7,852.71	
23 74 16 13-0024 EA 65 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	68,459.48	1,736.81
Note: Electric load approximately 1/2 the cooling capacity.		
For Unit Without Heat, Deduct	-9,921.56	
For Unit Economizer, Add	9,491.70	
For Equipment Base Roof Curb, Add	8,499.54	
23 74 16 13-0025 EA 70 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	73,655.81	1,818.07
Note: Electric load approximately 1/2 the cooling capacity.		
For Unit Without Heat, Deduct	-10,684.76	
For Unit Economizer, Add	10,214.85	
For Equipment Base Roof Curb, Add	9,146.37	
23 74 16 13-0026 EA 75 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	78,472.43	1,899.32
Note: Electric load approximately 1/2 the cooling capacity.		
For Unit Without Heat, Deduct	-11,391.00	
For Unit Economizer, Add	10,884.84	
For Equipment Base Roof Curb, Add	9,745.74	
 23 74 16 13-0027 Electric Cooling, Gas Heat, Self Contained Packaged Rooftop Air-Conditioning Units <small>(23 74 16 13)</small>		
Note: Units up to 5 tons have 13 SEER. Units >5 to 11 tons have 11.2 EER, >11 to 20 tons have 11 EER, >20 to 63 tons have 10 EER and >63 tons have 9.7 EER. Excludes crane and associated personnel. See CSI section 01 22 23 00-0926 for crane lifting equipment.		
23 74 16 13-0028 EA 2 Ton Electric Cooling, 50 MBH Gas Heating, Self Contained Package Rooftop Unit.....	4,238.33	188.24
For Hot Water Heating Coil Instead Of Gas, Deduct	-199.39	
For Steam Heating Coil Instead Of Gas, Deduct	-79.76	
For Unit Economizer, Add	583.34	
For Equipment Base Roof Curb, Add	523.53	
23 74 16 13-0029 EA 3 Ton Electric Cooling, 60 MBH Gas Heating, Self Contained Package Rooftop Unit.....	4,318.36	213.30
For Hot Water Heating Coil Instead Of Gas, Deduct	-201.70	
For Steam Heating Coil Instead Of Gas, Deduct	-80.68	
For Unit Economizer, Add	593.19	
For Equipment Base Roof Curb, Add	532.69	
23 74 16 13-0030 EA 4 Ton Electric Cooling, 80 MBH Gas Heating, Self Contained Package Rooftop Unit.....	5,071.86	218.71
For Hot Water Heating Coil Instead Of Gas, Deduct	-239.04	
For Steam Heating Coil Instead Of Gas, Deduct	-95.61	
For Unit Economizer, Add	698.41	
For Equipment Base Roof Curb, Add	626.70	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0031	EA	5 Ton Electric Cooling, 100 MBH Gas Heating, Self Contained Package Rooftop Unit.....	5,704.05	274.24
		<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-266.92	
		<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-106.77	
		<i>For Unit Economizer, Add</i>	783.94	
		<i>For Equipment Base Roof Curb, Add</i>	703.87	
23 74 16 13-0032	EA	6 Ton Electric Cooling, 140 MBH Gas Heating, Self Contained Package Rooftop Unit.....	6,594.51	294.55
		<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-310.09	
		<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-124.04	
		<i>For Unit Economizer, Add</i>	907.52	
		<i>For Equipment Base Roof Curb, Add</i>	814.50	
23 74 16 13-0033	EA	7.5 Ton Electric Cooling, 150 MBH Gas Heating, Self Contained Package Rooftop Unit.....	8,444.87	314.86
		<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-401.25	
		<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-160.50	
		<i>For Unit Economizer, Add</i>	1,165.49	
		<i>For Equipment Base Roof Curb, Add</i>	1,045.11	
23 74 16 13-0034	EA	8.5 Ton Electric Cooling, 170 MBH Gas Heating, Self Contained Package Rooftop Unit.....	9,420.98	325.02
		<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-449.38	
		<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-179.75	
		<i>For Unit Economizer, Add</i>	1,301.60	
		<i>For Equipment Base Roof Curb, Add</i>	1,166.79	
23 74 16 13-0035	EA	10 Ton Electric Cooling, 200 MBH Gas Heating, Self Contained Package Rooftop Unit.....	11,098.11	330.43
		<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-532.90	
		<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-213.16	
		<i>For Unit Economizer, Add</i>	1,536.13	
		<i>For Equipment Base Roof Curb, Add</i>	1,376.26	
23 74 16 13-0036	EA	12.5 Ton Electric Cooling, 250 MBH Gas Heating, Self Contained Package Rooftop Unit.....	13,333.80	416.43
		<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-638.93	
		<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-255.57	
		<i>For Unit Economizer, Add</i>	1,844.52	
		<i>For Equipment Base Roof Curb, Add</i>	1,652.84	
23 74 16 13-0037	EA	15 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit.....	16,581.70	497.68
		<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-795.91	
		<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-318.36	
		<i>For Unit Economizer, Add</i>	2,294.89	
		<i>For Equipment Base Roof Curb, Add</i>	2,056.12	
23 74 16 13-0038	EA	17.5 Ton Electric Cooling, 330 MBH Gas Heating, Self Contained Package Rooftop Unit.....	19,767.75	574.19
		<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-950.13	
		<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-380.05	
		<i>For Unit Economizer, Add</i>	2,736.88	
		<i>For Equipment Base Roof Curb, Add</i>	2,451.84	
23 74 16 13-0039	EA	20 Ton Electric Cooling, 350 MBH Gas Heating, Self Contained Package Rooftop Unit.....	22,971.58	655.45
		<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-1,104.91	
		<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-441.96	
		<i>For Unit Economizer, Add</i>	3,181.08	
		<i>For Equipment Base Roof Curb, Add</i>	2,849.61	
23 74 16 13-0040	EA	22.5 Ton Electric Cooling, 380 MBH Gas Heating, Self Contained Package Rooftop Unit.....	25,794.50	744.15
		<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-1,240.13	
		<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-496.05	
		<i>For Unit Economizer, Add</i>	3,571.55	
		<i>For Equipment Base Roof Curb, Add</i>	3,199.51	
23 74 16 13-0041	EA	25 Ton Electric Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit.....	23,489.48	832.85
		<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-1,118.95	
		<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-447.58	
		<i>For Unit Economizer, Add</i>	3,244.11	
		<i>For Equipment Base Roof Curb, Add</i>	2,908.42	
23 74 16 13-0042	EA	27.5 Ton Electric Cooling, 450 MBH Gas Heating, Self Contained Package Rooftop Unit.....	26,558.01	924.27
		<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-1,266.28	
		<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-506.51	
		<i>For Unit Economizer, Add</i>	3,668.83	
		<i>For Equipment Base Roof Curb, Add</i>	3,288.94	
23 74 16 13-0043	EA	30 Ton Electric Cooling, 500 MBH Gas Heating, Self Contained Package Rooftop Unit.....	24,388.70	1,015.68
		<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-1,151.72	
		<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-460.69	
		<i>For Unit Economizer, Add</i>	3,360.25	
		<i>For Equipment Base Roof Curb, Add</i>	3,014.73	
23 74 16 13-0044	EA	35 Ton Electric Cooling, 550 MBH Gas Heating, Self Contained Package Rooftop Unit.....	32,141.68	1,117.25
		<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-1,532.60	
		<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-613.04	
		<i>For Unit Economizer, Add</i>	4,440.25	
		<i>For Equipment Base Roof Curb, Add</i>	3,980.47	
23 74 16 13-0045	EA	40 Ton Electric Cooling, 600 MBH Gas Heating, Self Contained Package Rooftop Unit.....	33,548.19	1,214.07
		<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-1,596.49	
		<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-638.60	
		<i>For Unit Economizer, Add</i>	4,632.01	
		<i>For Equipment Base Roof Curb, Add</i>	4,153.07	
23 74 16 13-0046	EA	45 Ton Electric Cooling, 650 MBH Gas Heating, Self Contained Package Rooftop Unit.....	41,513.36	1,371.16
		<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-1,984.26	
		<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-793.70	
		<i>For Unit Economizer, Add</i>	5,738.74	
		<i>For Equipment Base Roof Curb, Add</i>	5,143.46	
23 74 16 13-0047	EA	50 Ton Electric Cooling, 750 MBH Gas Heating, Self Contained Package Rooftop Unit.....	41,264.84	1,523.52
		<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-1,961.67	
		<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-784.67	
		<i>For Unit Economizer, Add</i>	5,695.82	
		<i>For Equipment Base Roof Curb, Add</i>	5,107.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0048 EA 55 Ton Electric Cooling, 800 MBH Gas Heating, Self Contained Package Rooftop Unit.....	52,365.88	1,600.03
<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-2,511.65	
<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-1,004.66	
<i>For Unit Economizer, Add</i>	7,245.91	
<i>For Equipment Base Roof Curb, Add</i>	6,492.41	
23 74 16 13-0049 EA 60 Ton Electric Cooling, 850 MBH Gas Heating, Self Contained Package Rooftop Unit.....	53,046.25	1,655.55
<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-2,541.94	
<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-1,016.78	
<i>For Unit Economizer, Add</i>	7,338.18	
<i>For Equipment Base Roof Curb, Add</i>	6,575.60	
23 74 16 13-0050 EA 65 Ton Electric Cooling, 900 MBH Gas Heating, Self Contained Package Rooftop Unit.....	62,253.80	1,736.81
<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-2,996.90	
<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-1,198.76	
<i>For Unit Economizer, Add</i>	8,622.90	
<i>For Equipment Base Roof Curb, Add</i>	7,723.83	
23 74 16 13-0051 EA 70 Ton Electric Cooling, 950 MBH Gas Heating, Self Contained Package Rooftop Unit.....	67,759.99	1,818.07
<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-3,266.80	
<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-1,306.72	
<i>For Unit Economizer, Add</i>	9,389.44	
<i>For Equipment Base Roof Curb, Add</i>	8,409.40	
23 74 16 13-0052 EA 75 Ton Electric Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit.....	72,181.09	1,899.32
<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-3,482.43	
<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-1,392.97	
<i>For Unit Economizer, Add</i>	10,004.06	
<i>For Equipment Base Roof Curb, Add</i>	8,959.33	
23 74 16 13-0053 EA 80 Ton Electric Cooling, 1,100 MBH Gas Heating, Self Contained Package Rooftop Unit.....	68,962.53	1,986.00
<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-3,315.75	
<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-1,326.30	
<i>For Unit Economizer, Add</i>	9,548.85	
<i>For Equipment Base Roof Curb, Add</i>	8,554.13	
23 74 16 13-0054 EA 90 Ton Electric Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit.....	81,051.03	2,077.40
<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-3,914.08	
<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-1,565.63	
<i>For Unit Economizer, Add</i>	11,236.37	
<i>For Equipment Base Roof Curb, Add</i>	10,062.14	
23 74 16 13-0055 EA 100 Ton Electric Cooling, 1,350 MBH Gas Heating, Self Contained Package Rooftop Unit.....	87,212.24	2,285.28
<i>For Hot Water Heating Coil Instead Of Gas, Deduct</i>	-4,208.26	
<i>For Steam Heating Coil Instead Of Gas, Deduct</i>	-1,683.30	
<i>For Unit Economizer, Add</i>	12,087.83	
<i>For Equipment Base Roof Curb, Add</i>	10,825.35	

**23 74 16 13-0056 Gas Cooling, Gas Heat, Self Contained Packaged Rooftop Air-Conditioning**

**Units** (23 74 16 13)

Note: Units up to 5 tons have 13 SEER. Units > 5 to 11 tons have 10.1 EER, >11 to 19 tons have 9.5 EER, >19 to 63 tons have 9.3 EER and >63 tons have 9.0 EER. Excludes crane and associated personnel. See CSI section 01 22 23 00-0926 for crane lifting equipment.

23 74 16 13-0057 EA 2 Ton Gas Cooling, 80 MBH Gas Heating, Self Contained Package Rooftop Unit.....	4,468.60	188.24
<i>For Unit Economizer, Add</i>	615.58	
<i>For Equipment Base Roof Curb, Add</i>	552.31	
23 74 16 13-0058 EA 3 Ton Gas Cooling, 90 MBH Gas Heating, Self Contained Package Rooftop Unit.....	4,938.07	213.30
<i>For Unit Economizer, Add</i>	679.95	
<i>For Equipment Base Roof Curb, Add</i>	610.15	
23 74 16 13-0059 EA 4 Ton Gas Cooling, 110 MBH Gas Heating, Self Contained Package Rooftop Unit.....	5,780.30	218.71
<i>For Unit Economizer, Add</i>	797.60	
<i>For Equipment Base Roof Curb, Add</i>	715.26	
23 74 16 13-0060 EA 5 Ton Gas Cooling, 112 MBH Gas Heating, Self Contained Package Rooftop Unit.....	6,614.31	274.24
<i>For Unit Economizer, Add</i>	911.38	
<i>For Equipment Base Roof Curb, Add</i>	817.65	
23 74 16 13-0061 EA 6 Ton Gas Cooling, 150 MBH Gas Heating, Self Contained Package Rooftop Unit.....	7,698.92	294.55
<i>For Unit Economizer, Add</i>	1,062.14	
<i>For Equipment Base Roof Curb, Add</i>	952.55	
23 74 16 13-0062 EA 7.5 Ton Gas Cooling, 200 MBH Gas Heating, Self Contained Package Rooftop Unit.....	9,997.79	314.86
<i>For Unit Economizer, Add</i>	1,382.90	
<i>For Equipment Base Roof Curb, Add</i>	1,239.23	
23 74 16 13-0063 EA 8.5 Ton Gas Cooling, 240 MBH Gas Heating, Self Contained Package Rooftop Unit.....	12,857.64	325.02
<i>For Unit Economizer, Add</i>	1,782.74	
<i>For Equipment Base Roof Curb, Add</i>	1,596.37	
23 74 16 13-0064 EA 10 Ton Gas Cooling, 270 MBH Gas Heating, Self Contained Package Rooftop Unit.....	14,026.24	330.43
<i>For Unit Economizer, Add</i>	1,946.07	
<i>For Equipment Base Roof Curb, Add</i>	1,742.28	
23 74 16 13-0065 EA 12.5 Ton Gas Cooling, 335 MBH Gas Heating, Self Contained Package Rooftop Unit.....	16,097.74	416.43
<i>For Unit Economizer, Add</i>	2,231.47	
<i>For Equipment Base Roof Curb, Add</i>	1,998.34	
23 74 16 13-0066 EA 15 Ton Gas Cooling, 375 MBH Gas Heating, Self Contained Package Rooftop Unit.....	18,159.52	497.68
<i>For Unit Economizer, Add</i>	2,515.79	
<i>For Equipment Base Roof Curb, Add</i>	2,253.35	
23 74 16 13-0067 EA 17.5 Ton Gas Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit.....	23,702.07	574.19
<i>For Unit Economizer, Add</i>	3,287.68	
<i>For Equipment Base Roof Curb, Add</i>	2,943.63	
23 74 16 13-0068 EA 20 Ton Gas Cooling, 450 MBH Gas Heating, Self Contained Package Rooftop Unit.....	29,247.70	655.45
<i>For Unit Economizer, Add</i>	4,059.74	
<i>For Equipment Base Roof Curb, Add</i>	3,634.13	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0069	EA		22.5 Ton Gas Cooling, 490 MBH Gas Heating, Self Contained Package Rooftop Unit .....	34,328.67	744.15
			<i>For Unit Economizer, Add</i>	4,766.33	
			<i>For Equipment Base Roof Curb, Add</i>	4,266.28	
23 74 16 13-0070	EA		25 Ton Gas Cooling, 525 MBH Gas Heating, Self Contained Package Rooftop Unit .....	34,891.44	832.85
			<i>For Unit Economizer, Add</i>	4,840.38	
			<i>For Equipment Base Roof Curb, Add</i>	4,333.67	
23 74 16 13-0071	EA		30 Ton Gas Cooling, 650 MBH Gas Heating, Self Contained Package Rooftop Unit .....	41,301.56	1,015.68
			<i>For Unit Economizer, Add</i>	5,728.05	
			<i>For Equipment Base Roof Curb, Add</i>	5,128.84	
23 74 16 13-0072	EA		35 Ton Gas Cooling, 725 MBH Gas Heating, Self Contained Package Rooftop Unit .....	50,812.06	1,117.25
			<i>For Unit Economizer, Add</i>	7,054.10	
			<i>For Equipment Base Roof Curb, Add</i>	6,314.27	
23 74 16 13-0073	EA		40 Ton Gas Cooling, 800 MBH Gas Heating, Self Contained Package Rooftop Unit .....	53,630.26	1,214.07
			<i>For Unit Economizer, Add</i>	7,443.50	
			<i>For Equipment Base Roof Curb, Add</i>	6,663.32	
23 74 16 13-0074	EA		45 Ton Gas Cooling, 900 MBH Gas Heating, Self Contained Package Rooftop Unit .....	63,612.37	1,371.16
			<i>For Unit Economizer, Add</i>	8,832.60	
			<i>For Equipment Base Roof Curb, Add</i>	7,905.84	
23 74 16 13-0075	EA		50 Ton Gas Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit .....	65,214.26	1,523.52
			<i>For Unit Economizer, Add</i>	9,048.74	
			<i>For Equipment Base Roof Curb, Add</i>	8,101.00	
23 74 16 13-0076	EA		55 Ton Gas Cooling, 1,100 MBH Gas Heating, Self Contained Package Rooftop Unit .....	74,366.76	1,600.03
			<i>For Unit Economizer, Add</i>	10,326.03	
			<i>For Equipment Base Roof Curb, Add</i>	9,242.52	
23 74 16 13-0077	EA		60 Ton Gas Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit .....	73,701.50	1,655.55
			<i>For Unit Economizer, Add</i>	10,229.91	
			<i>For Equipment Base Roof Curb, Add</i>	9,157.50	
23 74 16 13-0078	EA		65 Ton Gas Cooling, 1,250 MBH Gas Heating, Self Contained Package Rooftop Unit .....	87,635.31	1,736.81
			<i>For Unit Economizer, Add</i>	12,176.31	
			<i>For Equipment Base Roof Curb, Add</i>	10,896.52	
23 74 16 13-0079	EA		70 Ton Gas Cooling, 1,300 MBH Gas Heating, Self Contained Package Rooftop Unit .....	96,371.91	1,818.07
			<i>For Unit Economizer, Add</i>	13,395.10	
			<i>For Equipment Base Roof Curb, Add</i>	11,985.89	
23 74 16 13-0080	EA		75 Ton Gas Cooling, 1,350 MBH Gas Heating, Self Contained Package Rooftop Unit .....	105,115.01	1,899.32
			<i>For Unit Economizer, Add</i>	14,614.80	
			<i>For Equipment Base Roof Curb, Add</i>	13,076.07	
23 74 16 13-0081	EA		80 Ton Gas Cooling, 1,400 MBH Gas Heating, Self Contained Package Rooftop Unit .....	106,318.45	1,986.00
			<i>For Unit Economizer, Add</i>	14,778.68	
			<i>For Equipment Base Roof Curb, Add</i>	13,223.62	
23 74 16 13-0082	EA		90 Ton Gas Cooling, 1,500 MBH Gas Heating, Self Contained Package Rooftop Unit .....	123,332.16	2,077.40
			<i>For Unit Economizer, Add</i>	17,155.73	
			<i>For Equipment Base Roof Curb, Add</i>	15,347.28	
23 74 16 13-0083	EA		100 Ton Gas Cooling, 1,700 MBH Gas Heating, Self Contained Package Rooftop Unit .....	138,711.56	2,285.28
			<i>For Unit Economizer, Add</i>	19,297.74	
			<i>For Equipment Base Roof Curb, Add</i>	17,262.77	
23 74 16 13-0084			<b>AAON Rooftop Units</b> <small>(23 74 16 13)</small> Note: The minimum EER for units 5 to 10 tons is 11.2, >10 to 20 tons is 11.0, and >20 is 10.0. Excludes crane and associated personnel. See CSI section 01 22 23 00-0926 for crane lifting equipment, 26 28 16 16-0001 for disconnects.		
23 74 16 13-0085			<b>AAON RQ Rooftop Units</b> <small>(23 74 16 13-0084)</small> Note: Includes 2" double wall foam panel construction, direct drive fan with VFD (or ECM motor), single stage on/off scroll compressor, terminal strip for field supplied thermostat, gas heat, manually adjustable OSA damper, microchannel condenser coils. Excludes economizer, controls, disconnect, freight, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0926 for crane lifting equipment.		
23 74 16 13-0086	EA		2 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-002) .....	5,996.06	135.42
			<i>For Factory Installed And Wired Dry Bulb Economizer, Add</i>	724.09	
			<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	785.59	
			<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	618.49	
			<i>For Factory Installed Non-Fused Disconnect, Add</i>	707.84	
			<i>For Factory Installed Exhaust Fan, Add</i>	3,608.84	
			<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	842.45	
23 74 16 13-0087	EA		3 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-003) .....	6,462.17	142.19
			<i>For Factory Installed And Wired Dry Bulb Economizer, Add</i>	776.31	
			<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	842.45	
			<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	662.59	
			<i>For Factory Installed Non-Fused Disconnect, Add</i>	758.90	
			<i>For Factory Installed Exhaust Fan, Add</i>	3,608.84	
			<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	842.45	
23 74 16 13-0088	EA		4 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-004) .....	6,578.98	148.97
			<i>For Factory Installed And Wired Dry Bulb Economizer, Add</i>	776.31	
			<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	842.45	
			<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	662.59	
			<i>For Factory Installed Non-Fused Disconnect, Add</i>	758.90	
			<i>For Factory Installed Exhaust Fan, Add</i>	3,608.84	
			<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	842.45	
23 74 16 13-0089	EA		5 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-005) .....	6,684.20	162.51
			<i>For Factory Installed And Wired Dry Bulb Economizer, Add</i>	776.31	
			<i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i>	842.45	
			<i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i>	662.59	
			<i>For Factory Installed Non-Fused Disconnect, Add</i>	758.90	
			<i>For Factory Installed Exhaust Fan, Add</i>	3,608.84	
			<i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	842.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0090 EA 6 Ton, Air Cooled Packaged Rooftop Units (AAON RQ-006) ..... <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	7,318.56 776.31 842.45 662.59 758.90 3,608.84 842.45	169.28
<b>23 74 16 13-0091 AAON RNA Rooftop Units</b> <small>(23 74 16 13-0084)</small> Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, single stage on/off compressor, terminal strip for field provided thermostat, gas heat, manually adjustable OSA damper. Excludes economizer, controls, disconnect, freight, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0926 for crane lifting equipment.		
23 74 16 13-0092 EA 6 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-006) ..... <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	9,143.48 755.42 1,160.40 773.99 714.81 1,927.42 656.79	176.05
23 74 16 13-0093 EA 7 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-007) ..... <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	9,796.03 755.42 1,160.40 773.99 714.81 1,927.42 656.79	189.60
23 74 16 13-0094 EA 8 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-008) ..... <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	11,340.91 755.42 1,160.40 773.99 714.81 1,927.42 656.79	203.13
23 74 16 13-0095 EA 10 Ton, Air Cooled Packaged Rooftop Units (AAON RNA-010) ..... <i>For Factory Installed And Wired Dry Bulb Economizer, Add</i> <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	11,443.04 755.42 1,160.40 773.99 714.81 1,927.42 656.79	223.45
<b>23 74 16 13-0096 AAON RNB Rooftop Units</b> <small>(23 74 16 13-0084)</small> Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, freight, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0926 for crane lifting equipment.		
23 74 16 13-0097 EA 9 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-009) ..... <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	13,850.87 1,112.82 870.30 690.44 1,838.07 660.27	223.45
23 74 16 13-0098 EA 11 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-011) ..... <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	14,082.39 1,112.82 870.30 690.44 1,838.07 660.27	250.54
23 74 16 13-0099 EA 13 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-013) ..... <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	15,317.85 1,112.82 870.30 690.44 1,838.07 660.27	277.61
23 74 16 13-0100 EA 15 Ton, Air Cooled Packaged Rooftop Units (AAON RNB-015) ..... <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	15,641.22 1,112.82 870.30 690.44 1,838.07 660.27	304.70
<b>23 74 16 13-0101 AAON RNC Rooftop Units</b> <small>(23 74 16 13-0084)</small> Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, freight, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 16 13-0102 EA 16 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-016) ..... <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	20,675.84 1,643.13 1,160.40 690.44 3,370.96 300.54	331.79

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0103	EA		18 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-018)..... <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	22,356.89 1,643.13 1,160.40 690.44 3,370.96 300.54	358.88
23 74 16 13-0104	EA		20 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-020)..... <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	23,690.79 1,643.13 1,160.40 690.44 3,370.96 300.54	385.96
23 74 16 13-0105	EA		25 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-025)..... <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	25,350.58 1,643.13 1,160.40 690.44 3,370.96 300.54	440.13
23 74 16 13-0106	EA		30 Ton, Air Cooled Packaged Rooftop Units (AAON RNC-030)..... <i>For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add</i> <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Factory Installed Exhaust Fan, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	28,621.01 1,643.13 1,160.40 690.44 3,370.96 300.54	501.07
<b>23 74 16 13-0107</b>			<b>AAON RND Rooftop Units</b> <small>(23 74 16 13-0084)</small> Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) variable capacity digital scroll compressor and (2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), factory installed non-fused disconnect, freight and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 16 13-0108	EA		26 Ton, Air Cooled Packaged Rooftop Units (AAON RND-026)..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	39,878.28 1,450.50 1,571.18 2,204.76	555.24
23 74 16 13-0109	EA		31 Ton, Air Cooled Packaged Rooftop Units (AAON RND-031)..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	45,290.81 1,450.50 1,571.18 2,204.76	609.40
23 74 16 13-0110	EA		40 Ton, Air Cooled Packaged Rooftop Units (AAON RND-040)..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	52,734.63 1,450.50 1,571.18 2,204.76	690.66
23 74 16 13-0111	EA		50 Ton, Air Cooled Packaged Rooftop Units (AAON RND-050)..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	61,379.67 1,450.50 1,571.18 2,204.76	778.69
23 74 16 13-0112	EA		60 Ton, Air Cooled Packaged Rooftop Units (AAON RND-060)..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	66,811.36 1,450.50 1,571.18 2,204.76	859.94
23 74 16 13-0113	EA		70 Ton, Air Cooled Packaged Rooftop Units (AAON RND-070)..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	70,161.49 1,450.50 1,571.18 2,204.76	941.19
<b>23 74 16 13-0114</b>			<b>AAON RNE Rooftop Units</b> <small>(23 74 16 13-0084)</small> Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1 or 2) variable speed VFD controlled scroll compressor and (1 or 2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), Microchannel condenser coils with VFD controlled condenser fans, factory installed non fused disconnect, freight and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.		
23 74 16 13-0115	EA		55 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-055)..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	65,763.07 1,638.48 2,353.29 3,133.08	1,049.54
23 74 16 13-0116	EA		65 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-065)..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	72,212.06 1,638.48 2,353.29 3,133.08	1,164.64
23 74 16 13-0117	EA		75 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-075)..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	76,732.66 1,638.48 2,353.29 3,133.08	1,272.98
23 74 16 13-0118	EA		95 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-090)..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	91,384.53 1,638.48 2,353.29 3,133.08	1,388.09
23 74 16 13-0119	EA		105 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-105)..... <i>For Factory Authorized Start Up, 4 Hour, One Trip, Add</i> <i>For Factory Installed Non-Fused Disconnect, Add</i> <i>For Hot Water Coil In Lieu Of Gas Heat, Add</i>	98,388.99 1,638.48 2,353.29 3,133.08	1,523.52



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0120 EA 120 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-120) .....	115,322.98	1,658.94
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,638.48	
For Factory Installed Non-Fused Disconnect, Add	2,353.29	
For Hot Water Coil In Lieu Of Gas Heat, Add	3,133.08	
23 74 16 13-0121 EA 130 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-130) .....	117,836.70	1,801.13
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,638.48	
For Factory Installed Non-Fused Disconnect, Add	2,353.29	
For Hot Water Coil In Lieu Of Gas Heat, Add	3,133.08	
23 74 16 13-0122 EA 140 Ton, Air Cooled Packaged Rooftop Units (AAON RNE-140) .....	122,569.08	1,936.56
For Factory Authorized Start Up, 4 Hour, One Trip, Add	1,638.48	
For Factory Installed Non-Fused Disconnect, Add	2,353.29	
For Hot Water Coil In Lieu Of Gas Heat, Add	3,133.08	
<b>23 74 16 13-0123 Heating Only Packaged Rooftop Units <small>(23 74 16 13)</small></b>		
Note: Includes throwaway filters and filter rack. Manual outside air damper, roof curbs and electric heat. Units are shipped fully factory assembled in one piece, prewired and include start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0926 for crane lifting equipment.		
23 74 16 13-0124 EA 24 MBH Electric Heating Only Self Contained Package Rooftop Unit .....	2,925.84	209.91
For Gas Heat, Add	196.41	
23 74 16 13-0125 EA 32 MBH Electric Heating Only Self Contained Package Rooftop Unit .....	3,456.77	243.76
For Gas Heat, Add	232.22	
23 74 16 13-0126 EA 45 MBH Electric Heating Only Self Contained Package Rooftop Unit .....	4,814.46	250.54
For Gas Heat, Add	326.99	
23 74 16 13-0127 EA 60 MBH Electric Heating Only Self Contained Package Rooftop Unit .....	5,565.82	318.25
For Gas Heat, Add	377.01	
23 74 16 13-0128 EA 95 MBH Electric Heating Only Self Contained Package Rooftop Unit .....	6,593.85	365.64
For Gas Heat, Add	446.94	
23 74 16 13-0129 EA 112 MBH Electric Heating Only Self Contained Package Rooftop Unit .....	7,474.95	392.73
For Gas Heat, Add	507.40	
23 74 16 13-0130 EA 140 MBH Electric Heating Only Self Contained Package Rooftop Unit .....	8,997.92	426.58
For Gas Heat, Add	613.20	
23 74 16 13-0131 EA 170 MBH Electric Heating Only Self Contained Package Rooftop Unit .....	11,731.26	440.13
For Gas Heat, Add	803.45	
23 74 16 13-0132 EA 200 MBH Electric Heating Only Self Contained Package Rooftop Unit .....	15,841.64	501.07
For Gas Heat, Add	1,089.01	
23 74 16 13-0133 EA 230 MBH Electric Heating Only Self Contained Package Rooftop Unit .....	18,667.81	555.24
For Gas Heat, Add	1,284.54	
23 74 16 13-0134 EA 270 MBH Electric Heating Only Self Contained Package Rooftop Unit .....	24,655.67	677.12
For Gas Heat, Add	1,698.81	
23 74 16 13-0135 EA 330 MBH Electric Heating Only Self Contained Package Rooftop Unit .....	30,923.56	812.54
For Gas Heat, Add	2,132.28	
23 74 16 13-0136 EA 360 MBH Electric Heating Only Self Contained Package Rooftop Unit .....	38,566.09	1,015.68
For Gas Heat, Add	2,659.00	
23 74 16 13-0137 EA 450 MBH Electric Heating Only Self Contained Package Rooftop Unit .....	46,875.32	1,110.48
For Gas Heat, Add	3,237.12	
23 74 16 13-0138 EA 540 MBH Electric Heating Only Self Contained Package Rooftop Unit .....	60,612.53	1,327.15
For Gas Heat, Add	4,189.93	
<b>23 74 16 13-0139 Heat Pump, Packaged Rooftop Heat Pump Units <small>(23 74 16 13)</small></b>		
Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel. See CSI section 01 22 23 00-0926 for crane lifting equipment.		
<b>23 74 16 13-0140 Packaged Rooftop Heat Pump Units <small>(23 74 16 13-0139)</small></b>		
Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel.		
23 74 16 13-0141 EA 2 Ton Packaged Rooftop Heat Pump .....	4,928.45	277.61
For Economizer With Outside Air Control, Add	1,195.99	
For Upgrade Of Economizer To OS Air Enthalpy Control, Add	218.66	
23 74 16 13-0142 EA 2.5 Ton Packaged Rooftop Heat Pump .....	5,154.53	291.16
For Economizer With Outside Air Control, Add	1,253.29	
For Upgrade Of Economizer To OS Air Enthalpy Control, Add	228.27	
23 74 16 13-0143 EA 3 Ton Packaged Rooftop Heat Pump .....	5,435.45	318.25
For Economizer With Outside Air Control, Add	1,324.06	
For Upgrade Of Economizer To OS Air Enthalpy Control, Add	240.29	
23 74 16 13-0144 EA 3.5 Ton Packaged Rooftop Heat Pump .....	5,834.95	338.56
For Economizer With Outside Air Control, Add	1,217.63	
For Upgrade Of Economizer To OS Air Enthalpy Control, Add	257.55	
23 74 16 13-0145 EA 4 Ton Packaged Rooftop Heat Pump .....	6,227.67	365.64
For Economizer With Outside Air Control, Add	1,300.03	
For Upgrade Of Economizer To OS Air Enthalpy Control, Add	274.82	
23 74 16 13-0146 EA 5 Ton Packaged Rooftop Heat Pump .....	6,674.65	392.73
For Economizer With Outside Air Control, Add	1,396.13	
For Upgrade Of Economizer To OS Air Enthalpy Control, Add	235.30	
23 74 16 13-0147 EA 6 Ton Packaged Rooftop Heat Pump .....	7,574.28	419.82
For Economizer With Outside Air Control, Add	1,564.71	
For Economizer With Outside Air Control, Add	1,160.63	
For Upgrade Of Economizer To OS Air Enthalpy Control, Add	202.04	



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 74 Packaged Outdoor HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0148 EA 7.5 Ton Packaged Rooftop Heat Pump ..... <i>For Economizer With Outside Air Control, Add</i> <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	10,194.08 1,560.36 1,467.29 279.21	440.13
23 74 16 13-0149 EA 8.5 Ton Packaged Rooftop Heat Pump ..... <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	11,468.61 1,628.61 315.82	473.98
23 74 16 13-0150 EA 10 Ton Packaged Rooftop Heat Pump ..... <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	12,435.23 1,641.67 228.80	501.07
23 74 16 13-0151 EA 12.5 Ton Packaged Rooftop Heat Pump ..... <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	14,626.59 1,906.85 270.32	555.24
23 74 16 13-0152 EA 15 Ton Packaged Rooftop Heat Pump ..... <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	16,811.17 2,168.65 311.85	609.40
23 74 16 13-0153 EA 17.5 Ton Packaged Rooftop Heat Pump ..... <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	18,862.80 2,373.81 352.88	636.49
23 74 16 13-0154 EA 20 Ton Packaged Rooftop Heat Pump ..... <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	21,022.75 2,633.14 393.91	663.58

**23 74 23 Packaged, Outdoor, Heating-Only Makeup-Air Units (23 74)****23 74 23 13 Packaged, Direct-Fired, Outdoor, Heating-Only Makeup-Air Units (23 74 23)****23 74 23 13-0001 Make-Up Air Units (23 74 23 13)**

Note: Including throwaway filters. Units are shipped fully factory assembled in one piece, prewired, prepiped, charged with refrigerant, and include start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0926 for crane lifting equipment.

**23 74 23 13-0002 Gas-Fired Electric Spark Make-Up Air Units (23 74 23 13-0001)**

Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0927 for crane lifting equipment.

23 74 23 13-0003 EA 100,000 BTU 1/2 HP, 1,200 CFM, Make-up Air Unit, Gas Fired, Electric Spark ..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	4,201.86 1,108.21 510.00	304.70
23 74 23 13-0004 EA 300,000 BTU 1-1/2 HP, 3,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark ..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	5,423.85 1,452.80 660.55	345.33
23 74 23 13-0005 EA 500,000 BTU 2 HP, 4,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark ..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	7,534.59 2,057.24 921.51	406.27
23 74 23 13-0006 EA 670,000 BTU 3 HP, 6,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark ..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	7,601.04 2,061.94 928.29	433.36
23 74 23 13-0007 EA 800,000 BTU 5 HP, 7,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark ..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	10,370.23 2,867.30 1,271.90	487.52
23 74 23 13-0008 EA 1,200,000 BTU 10 HP, 10,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark ..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	15,703.53 4,406.35 1,932.47	609.40

**23 74 23 13-0009 Electric Make-Up Air Units (23 74 23 13-0001)**

Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0927 for crane lifting equipment.

23 74 23 13-0010 EA 33 KW, 1/2 HP, 1,200 CFM Make-up Air Unit, Electric ..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	8,625.41 2,435.27 1,062.94	304.70
23 74 23 13-0011 EA 100 KW, 1-1/2 HP, 3,500 CFM Make-up Air Unit, Electric ..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	12,327.53 3,523.90 1,523.51	345.33
23 74 23 13-0012 EA 150 KW, 2 HP, 4,000 CFM Make-up Air Unit, Electric ..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	15,271.57 4,378.34 1,888.63	406.27
23 74 23 13-0013 EA 250 KW, 5 HP, 7,500 CFM Make-up Air Unit, Electric ..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	19,754.03 5,682.44 2,444.88	487.52
23 74 23 13-0014 EA 400 KW, 10 HP, 10,000 CFM Make-up Air Unit, Electric ..... <i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i> <i>For Equipment Base Roof Curb, Add</i>	31,928.30 9,273.79 3,960.57	609.40

**23 80 Decentralized Unitary HVAC Equipment (23)**

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 23 05 29 00-0000 for hangers and supports, 26 05 19 16-0010 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

**23 81 Decentralized Unitary HVAC Equipment (23 80)****23 81 13 Packaged Terminal Air-Conditioners (23 81)**

Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord,



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<p>multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.</p>		
<b>23 81 13 11</b>	<b>Packaged Terminal Air-Conditioners, Through-Wall Units (23 81 13)</b>	
23 81 13 11-0001	Packaged Terminal Air-Conditioners (23 81 13 11)	
23 81 13 11-0002	Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioners (23 81 13 11-0001)	
23 81 13 11-0003	EA 7,200 BTU, 13 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner.....	1,141.90
	For >35 To 70, Deduct	-27.00
	For >70 To 100, Deduct	-45.00
	For >100, Deduct	-63.00
23 81 13 11-0004	EA 9,400 BTU, 12.1 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner.....	1,224.73
	For >35 To 70, Deduct	-27.46
	For >70 To 100, Deduct	-45.77
	For >100, Deduct	-64.07
23 81 13 11-0005	EA 11,800 BTU, 11.6 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner.....	1,296.56
	For >35 To 70, Deduct	-28.98
	For >70 To 100, Deduct	-48.30
	For >100, Deduct	-67.62
23 81 13 11-0006	EA 14,500 BTU, 10.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner.....	1,400.95
	For >35 To 70, Deduct	-31.39
	For >70 To 100, Deduct	-52.31
	For >100, Deduct	-73.24
23 81 13 11-0007	Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioners (23 81 13 11-0001)	
23 81 13 11-0008	EA 7,200 BTU, 13 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner .....	1,236.79
	For >35 To 70, Deduct	-28.87
	For >70 To 100, Deduct	-48.12
	For >100, Deduct	-67.37
23 81 13 11-0009	EA 9,400 BTU, 12.1 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner .....	1,306.12
	For >35 To 70, Deduct	-29.90
	For >70 To 100, Deduct	-49.84
	For >100, Deduct	-69.77
23 81 13 11-0010	EA 11,800 BTU, 11.6 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner .....	1,355.53
	For >35 To 70, Deduct	-30.75
	For >70 To 100, Deduct	-51.25
	For >100, Deduct	-71.75
23 81 13 11-0011	EA 14,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner .....	1,478.80
	For >35 To 70, Deduct	-33.72
	For >70 To 100, Deduct	-56.21
	For >100, Deduct	-78.69
23 81 13 11-0012	Packaged Terminal Air-Conditioners, Through-Wall Unit Sleeve (23 81 13 11)	
	Note: Includes wall case, exterior grille, weather panel and steel closure panels. Includes bolts, nuts, washers, caulking and lintel supports. Not for use with new A/C units where wall sleeve is provided. Excludes cutting opening for unit or patching masonry or concrete.	
23 81 13 11-0013	EA Up To 10,000 BTU Unit, Thru Wall A/C Sleeve .....	61.12
23 81 13 11-0014	EA >10,000 To 20,000 BTU Unit, Thru Wall A/C Sleeve .....	69.16
23 81 13 11-0015	EA >20,000 To 30,000 BTU Unit, Thru Wall A/C Sleeve.....	77.19
23 81 13 11-0016	Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units (23 81 13 11)	
	Note: Includes storage and cleaning.	
23 81 13 11-0017	EA Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units.....	129.01
<b>23 81 13 13</b>	<b>Packaged Terminal Air-Conditioners, Outdoor, Wall-Mounted Units (23 81 13)</b>	
23 81 13 13-0001	Single Package Vertical Wall Cooling Unit (23 81 13 13)	
	Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0927 for crane lifting equipment.	
23 81 13 13-0002	EA 1/2 Ton Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	2,820.73
23 81 13 13-0003	EA 1 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	5,545.89
23 81 13 13-0004	EA 1-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	7,277.66
23 81 13 13-0005	EA 2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	8,375.75
23 81 13 13-0006	EA 2-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	10,515.62
23 81 13 13-0007	EA 3 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	11,261.34
23 81 13 13-0008	EA 3-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	12,464.85
23 81 13 13-0009	EA 4 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	13,724.67
23 81 13 13-0010	EA 5 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	15,427.68
23 81 13 13-0011	EA 7-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	19,953.40
23 81 13 13-0012	EA 10 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	23,760.38
23 81 13 13-0013	EA 15 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	33,382.54
23 81 13 13-0014	EA 20 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	38,442.79
23 81 13 13-0015	EA 25 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat .....	45,988.48

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**23 81 16****Room Air-Conditioners (23 81)**

Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.

23 81 16 00-0001	Window Unit, Room Air-Conditioners (23 81 16)		
23 81 16 00-0002	Cooling Only, Window Unit, Room Air-Conditioners (23 81 16 00-0001)		
23 81 16 00-0003	Cooling Only, Window Unit, Room Air-Conditioners (Frigidaire) (23 81 16 00-0002)		
23 81 16 00-0004	EA 5,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0533Q1) .....	338.08	67.73
	For >10 To 50, Deduct	-10.13	
	For >50 To 75, Deduct	-14.18	
	For >75 To 100, Deduct	-20.26	
	For >100, Deduct	-24.31	
23 81 16 00-0005	EA 6,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0633Q1) .....	358.45	67.73
	For >10 To 50, Deduct	-11.15	
	For >50 To 75, Deduct	-15.61	
	For >75 To 100, Deduct	-22.30	
	For >100, Deduct	-26.76	
23 81 16 00-0006	EA 8,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0833U1) .....	409.36	67.73
	For >10 To 50, Deduct	-13.70	
	For >50 To 75, Deduct	-19.17	
	For >75 To 100, Deduct	-27.39	
	For >100, Deduct	-32.87	
23 81 16 00-0007	EA 10,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1033U1) .....	480.63	67.73
	For >10 To 50, Deduct	-17.26	
	For >50 To 75, Deduct	-24.16	
	For >75 To 100, Deduct	-34.52	
	For >100, Deduct	-41.42	
23 81 16 00-0008	EA 12,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1233Q1) .....	572.27	67.73
	For >10 To 50, Deduct	-21.84	
	For >50 To 75, Deduct	-30.58	
	For >75 To 100, Deduct	-43.68	
	For >100, Deduct	-52.42	
23 81 16 00-0009	EA 15,100 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1533Q1) .....	674.09	67.73
	For >10 To 50, Deduct	-26.93	
	For >50 To 75, Deduct	-37.70	
	For >75 To 100, Deduct	-53.86	
	For >100, Deduct	-64.64	
23 81 16 00-0010	EA 8,000 BTU, 10.9 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS0833Q1) .....	633.36	67.73
	For >10 To 50, Deduct	-24.90	
	For >50 To 75, Deduct	-34.85	
	For >75 To 100, Deduct	-49.79	
	For >100, Deduct	-59.75	
23 81 16 00-0011	EA 10,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1022Q1) .....	684.27	67.73
	For >10 To 50, Deduct	-27.44	
	For >50 To 75, Deduct	-38.42	
	For >75 To 100, Deduct	-54.88	
	For >100, Deduct	-65.86	
23 81 16 00-0012	EA 12,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1222Q1) .....	725.00	67.73
	For >10 To 50, Deduct	-29.48	
	For >50 To 75, Deduct	-41.27	
	For >75 To 100, Deduct	-58.95	
	For >100, Deduct	-70.74	
23 81 16 00-0013	EA 18,500 BTU, 11.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1833Q2) .....	765.73	67.73
	For >10 To 50, Deduct	-31.51	
	For >50 To 75, Deduct	-44.12	
	For >75 To 100, Deduct	-63.03	
	For >100, Deduct	-75.63	
23 81 16 00-0014	EA 22,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2233S2) .....	847.18	67.73
	For >10 To 50, Deduct	-35.59	
	For >50 To 75, Deduct	-49.82	
	For >75 To 100, Deduct	-71.17	
	For >100, Deduct	-85.41	
23 81 16 00-0015	EA 25,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2533S2) .....	857.36	67.73
	For >10 To 50, Deduct	-36.10	
	For >50 To 75, Deduct	-50.53	
	For >75 To 100, Deduct	-72.19	
	For >100, Deduct	-86.63	
23 81 16 00-0016	EA 28,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRA2822R2) .....	1,074.63	67.73
	For >10 To 50, Deduct	-46.96	
	For >50 To 75, Deduct	-65.74	
	For >75 To 100, Deduct	-93.92	
	For >100, Deduct	-112.70	
23 81 16 00-0017	Cooling Only, Window Unit, Room Air-Conditioners (Friedrich Kuhl) (23 81 16 00-0002)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0018 EA 8,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS08N10C) .....	1,124.46	67.73
23 81 16 00-0019 EA 10,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS10N10C) .....	1,234.46	67.73
23 81 16 00-0020 EA 11,900 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N10C) .....	1,284.46	67.73
23 81 16 00-0021 EA 12,000 BTU, 12.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N30C) .....	1,304.46	67.73
23 81 16 00-0022 EA 20,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SM18N30C).....	1,484.46	67.73
23 81 16 00-0023 EA 24,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL24N30C).....	1,934.46	67.73
23 81 16 00-0024 EA 28,000 BTU, 10.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL28N30C).....	2,084.46	67.73
23 81 16 00-0025 EA 36,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL36N30B).....	2,284.46	67.73
<b>23 81 16 00-0026 Heating And Cooling, Window Unit, Room Air-Conditioners (23 81 16 00-0001)</b>		
<b>23 81 16 00-0027 Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Frigidaire) (23 81 16 00-0026)</b>		
23 81 16 00-0028 EA 8,000 BTU, 9.8 EER, 115 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH0822R1) .....	725.00	67.73
For >10 To 50, Deduct	-29.48	
For >50 To 75, Deduct	-41.27	
For >75 To 100, Deduct	-58.95	
For >100, Deduct	-70.74	
23 81 16 00-0029 EA 12,000 BTU, 10.9 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1222R2) .....	837.00	67.73
For >10 To 50, Deduct	-35.08	
For >50 To 75, Deduct	-49.11	
For >75 To 100, Deduct	-70.15	
For >100, Deduct	-84.18	
23 81 16 00-0030 EA 18,500 BTU, 10.7 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1822R2) .....	898.09	67.73
For >10 To 50, Deduct	-38.13	
For >50 To 75, Deduct	-53.38	
For >75 To 100, Deduct	-76.26	
For >100, Deduct	-91.52	
23 81 16 00-0031 EA 25,000 BTU, 9.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH2522R2) .....	1,122.10	67.73
For >10 To 50, Deduct	-49.33	
For >50 To 75, Deduct	-69.06	
For >75 To 100, Deduct	-98.66	
For >100, Deduct	-118.40	
<b>23 81 16 00-0032 Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Friedrich) (23 81 16 00-0026)</b>		
23 81 16 00-0033 EA 12,000 BTU, 11.3 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich ES12N33B) .....	1,354.46	67.73
<b>23 81 16 00-0034 Accessories (23 81 16 00-0001)</b>		
23 81 16 00-0035 SET Aluminum Air Conditioner Unit Frame And Bracket Assembly.....	346.63	39.99
<b>23 81 16 00-0036 Removal And Reinstallation Of Room Air-Conditioners (23 81 16)</b>		
Note: Includes storage and cleaning.		
23 81 16 00-0037 EA Removal And Reinstallation Of Room Air-Conditioning Unit In Window Lower Sash .....	80.64	
23 81 16 00-0038 EA Removal And Reinstallation Of Room Air-Conditioning Unit In Window Upper Sash .....	177.39	
<b>23 81 16 00-0039 Through-The-Wall, Room Air-Conditioners (23 81 16)</b>		
Note: Base unit excludes wall sleeve.		
<b>23 81 16 00-0040 Cooling Only, Through-The-Wall, Room Air-Conditioners (23 81 16 00-0039)</b>		
<b>23 81 16 00-0041 Cooling Only, Through-The-Wall, Room Air-Conditioners (Friedrich) (23 81 16 00-0040)</b>		
23 81 16 00-0042 EA 8,000 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08D10A).....	845.75	48.38
For >10 To 50, Deduct	-37.45	
For >50 To 75, Deduct	-52.43	
For >75 To 100, Deduct	-74.90	
For >100, Deduct	-89.88	
For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	188.73	
23 81 16 00-0043 EA 9,800 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D10B).....	915.75	48.38
For >10 To 50, Deduct	-40.95	
For >50 To 75, Deduct	-57.33	
For >75 To 100, Deduct	-81.90	
For >100, Deduct	-98.28	
For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	188.73	
23 81 16 00-0044 EA 12,000 BTU, 9.8 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D10A).....	1,045.75	48.38
For >10 To 50, Deduct	-47.45	
For >50 To 75, Deduct	-66.43	
For >75 To 100, Deduct	-94.90	
For >100, Deduct	-113.88	
For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	188.73	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)**

**23 80 Decentralized Unitary HVAC Equipment**

**23 81 Decentralized Unitary HVAC Equipment**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0045	EA		10,000 BTU, 10.7 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D30A).....	915.75	48.38
			<i>For &gt;10 To 50, Deduct</i>	-40.95	
			<i>For &gt;50 To 75, Deduct</i>	-57.33	
			<i>For &gt;75 To 100, Deduct</i>	-81.90	
			<i>For &gt;100, Deduct</i>	-98.28	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	188.73	
23 81 16 00-0046	EA		12,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D30A).....	1,045.75	48.38
			<i>For &gt;10 To 50, Deduct</i>	-47.45	
			<i>For &gt;50 To 75, Deduct</i>	-66.43	
			<i>For &gt;75 To 100, Deduct</i>	-94.90	
			<i>For &gt;100, Deduct</i>	-113.88	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	188.73	
23 81 16 00-0047			<b>Heating And Cooling, Through-The-Wall, Room Air-Conditioners</b> (23 81 16 00-0039)		
23 81 16 00-0048			<b>Electric Heat, Heating And Cooling, Through-The-Wall, Room Air-Conditioners (Friedrich)</b> (23 81 16 00-0047)		
23 81 16 00-0049	EA		10,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE10D33).....	1,075.75	48.38
			<i>For &gt;10 To 50, Deduct</i>	-48.95	
			<i>For &gt;50 To 75, Deduct</i>	-68.53	
			<i>For &gt;75 To 100, Deduct</i>	-97.90	
			<i>For &gt;100, Deduct</i>	-117.48	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	188.73	
23 81 16 00-0050	EA		12,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE12D33).....	1,155.75	48.38
			<i>For &gt;10 To 50, Deduct</i>	-52.95	
			<i>For &gt;50 To 75, Deduct</i>	-74.13	
			<i>For &gt;75 To 100, Deduct</i>	-105.90	
			<i>For &gt;100, Deduct</i>	-127.08	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	188.73	
<b>23 81 23</b>			<b>Computer-Room Air-Conditioners</b> (23 81)		
			Note: Includes equipment rigging. Indoor units include filters.		
<b>23 81 23 12</b>			<b>Large-Capacity, Computer-Room Air-Conditioners, Floor Mounted Units</b> (23 81 23)		
23 81 23 12-0001			<b>Floor Mounted Air Cooled Direct Expansion Type</b> (23 81 23 12)		
			Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquidect sensors, floor stand, and outdoor air cooled condenser complete with fan speed control. Excludes precharged copper pipe.		
23 81 23 12-0002	EA		3 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type .....	28,666.54	1,376.80
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	3,324.88	
23 81 23 12-0003	EA		5 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type .....	31,644.39	1,505.87
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	3,671.64	
23 81 23 12-0004	EA		6 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type .....	44,073.54	1,721.00
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	5,189.23	
23 81 23 12-0005	EA		8 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type .....	48,280.49	1,828.56
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	5,695.10	
23 81 23 12-0006	EA		10 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type .....	52,487.46	1,936.12
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	6,200.97	
23 81 23 12-0007	EA		16 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type .....	58,677.81	2,323.35
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	6,896.51	
23 81 23 12-0008	EA		20 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type .....	66,355.15	2,581.50
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	7,814.44	
23 81 23 12-0009	EA		22 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type .....	69,438.44	2,666.64
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	8,181.50	
23 81 23 12-0010	EA		24 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type .....	75,696.52	2,753.61
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	8,945.20	
23 81 23 12-0011	EA		30 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type .....	81,809.99	3,097.80
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	9,650.31	
23 81 23 12-0012			<b>Floor Mounted Chilled Water Type</b> (23 81 23 12)		
			Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquidect sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 12-0020 for water source.		
23 81 23 12-0013	EA		3 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source .....	19,437.97	943.39
			<i>For Liebert Unit, Add</i>	2,272.52	
23 81 23 12-0014	EA		5 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source .....	20,868.05	1,044.99
			<i>For Liebert Unit, Add</i>	2,434.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 12-0015 EA 12 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source .....	25,614.61	1,591.67
For Liebert Unit, Add	2,936.55	
23 81 23 12-0016 EA 16 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source .....	26,813.98	1,612.63
For Liebert Unit, Add	3,083.00	
23 81 23 12-0017 EA 20 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source .....	27,838.70	1,677.14
For Liebert Unit, Add	3,199.24	
23 81 23 12-0018 EA 22 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source .....	28,417.06	1,838.40
For Liebert Unit, Add	3,245.73	
23 81 23 12-0019 EA 31 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source .....	30,114.48	1,999.66
For Liebert Unit, Add	3,431.71	
<b>23 81 23 12-0020 Floor Mounted Water Source</b> <small>(23 81 23 12)</small>		
Note: Includes mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liqitect sensors, floor stand. Excludes water source.		
23 81 23 12-0021 EA 3 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	14,899.53	860.50
For Liebert Unit, Add	1,701.69	
23 81 23 12-0022 EA 5 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	16,430.22	903.52
For Liebert Unit, Add	1,884.95	
23 81 23 12-0023 EA 6 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	21,468.37	946.55
For Liebert Unit, Add	2,506.72	
23 81 23 12-0024 EA 8 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	23,122.83	1,032.60
For Liebert Unit, Add	2,696.53	
23 81 23 12-0025 EA 10 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	25,555.87	1,118.65
For Liebert Unit, Add	2,984.51	
23 81 23 12-0026 EA 12 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	26,525.74	1,204.70
For Liebert Unit, Add	3,089.23	
23 81 23 12-0027 EA 15 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	27,680.80	1,290.76
For Liebert Unit, Add	3,220.13	
23 81 23 12-0028 EA 20 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	28,430.62	1,376.80
For Liebert Unit, Add	3,298.66	
23 81 23 12-0029 EA 25 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit.....	32,462.97	1,634.95
For Liebert Unit, Add	3,752.45	
<b>23 81 23 12-0030 Floor Mounted Glycol System Type</b> <small>(23 81 23 12)</small>		
Note: Includes drycoolers, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liqitect sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 12-0020 for water source.		
23 81 23 12-0031 EA 3 Ton Computer Room Air Conditioner, Glycol System Type .....	28,310.39	943.39
For Liebert Unit, Add	3,381.57	
23 81 23 12-0032 EA 5 Ton Computer Room Air Conditioner, Glycol System Type .....	30,458.79	1,044.99
For Liebert Unit, Add	3,633.19	
23 81 23 12-0033 EA 6 Ton Computer Room Air Conditioner, Glycol System Type .....	47,218.73	1,170.77
For Liebert Unit, Add	5,707.21	
23 81 23 12-0034 EA 9 Ton Computer Room Air Conditioner, Glycol System Type .....	48,677.97	1,296.56
For Liebert Unit, Add	5,868.66	
23 81 23 12-0035 EA 10 Ton Computer Room Air Conditioner, Glycol System Type .....	52,080.37	1,422.34
For Liebert Unit, Add	6,272.99	
23 81 23 12-0036 EA 16 Ton Computer Room Air Conditioner, Glycol System Type .....	62,374.63	1,612.63
For Liebert Unit, Add	7,526.71	
23 81 23 12-0037 EA 20 Ton Computer Room Air Conditioner, Glycol System Type .....	68,439.15	1,677.14
For Liebert Unit, Add	8,274.30	
23 81 23 12-0038 EA 22 Ton Computer Room Air Conditioner, Glycol System Type .....	70,926.14	1,838.40
For Liebert Unit, Add	8,559.37	
23 81 23 12-0039 EA 30 Ton Computer Room Air Conditioner, Glycol System Type .....	86,517.89	1,999.66
For Liebert Unit, Add	10,462.13	
<b>23 81 23 12-0040 Removal And Reinstallation Of Computer Room Unit</b> <small>(23 81 23 12)</small>		
Note: Includes storage and cleaning. Excludes main mechanical piping. Reconnection of existing valves are included.		
23 81 23 12-0041 EA Removal And Reinstallation Up To 6 Ton, Floor Mounted Chilled Water Computer Room Unit.....	1,290.11	
23 81 23 12-0042 EA Removal And Reinstallation Up To 6 Ton Direct Expansion Computer Room Unit .....	1,075.08	
<b>23 81 23 13 Computer-Room Air-Conditioners, Ceiling Mounted Units</b> <small>(23 81 23)</small>		
<b>23 81 23 13-0001 Ceiling Mounted Packaged Computer Room Air Conditioner</b> <small>(23 81 23 13)</small>		
Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liqitect sensors, floor stand, and outdoor air cooled condenser complete with fan speed control.		
23 81 23 13-0002 EA 1 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System .....	11,450.89	408.97
For Liebert Unit, Add	1,354.72	
23 81 23 13-0003 EA 1.5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System .....	12,638.94	491.15
For Liebert Unit, Add	1,487.82	
23 81 23 13-0004 EA 2 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System .....	14,405.01	614.67
For Liebert Unit, Add	1,685.44	
23 81 23 13-0005 EA 3 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System .....	17,720.49	717.11
For Liebert Unit, Add	2,080.68	
23 81 23 13-0006 EA 5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System .....	24,137.76	779.41
For Liebert Unit, Add	2,871.15	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 81 26 Split-System Air-Conditioners <sup>(23 81)</sup>				
23 81 26 13 Small-Capacity Split-System Air-Conditioners <sup>(23 81 26)</sup>				
23 81 26 13-0001	EA	Split System A/C Unit <sup>(23 81 26 13)</sup> See CSI section 23 23 16 00-0001 for piping.		
23 81 26 13-0002	EA	Ductless Split System Air Conditioners <sup>(23 81 26 13-0001)</sup> Note: Excludes refrigerant piping, electrical, and pad. Panasonic units or equal. See CSI section 23 81 49 00-0024 for ductless heat pumps.		
23 81 26 13-0003	EA	Wall Mounted Ductless Split System Air Conditioners <sup>(23 81 26 13-0002)</sup>		
23 81 26 13-0004	EA	9,000 BTU, 16 SEER, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	1,868.19	212.87
23 81 26 13-0005	EA	11,900 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioner ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,014.42	232.22
23 81 26 13-0006	EA	17,500 BTU, 20 SEER, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,555.62	258.03
23 81 26 13-0007	EA	24,200 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,836.48	283.82
23 81 26 13-0008	EA	25,200 BTU, 14.9 SEER, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,546.23	309.62
23 81 26 13-0009	EA	29,800 BTU, 15 SEER, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,345.45	322.52
23 81 26 13-0010	EA	31,400 BTU, 15.9 SEER, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,878.61	343.82
23 81 26 13-0011	EA	Dual and Tri Zone Wall Mounted Ductless Split System Air Conditioners <sup>(23 81 26 13-0002)</sup> Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 26 13-0012	EA	7,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes indoor unit and wireless thermostat.	790.47	103.21
23 81 26 13-0013	EA	9,000 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes indoor unit and wireless thermostat.	832.64	109.66
23 81 26 13-0014	EA	11,900 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes indoor unit and wireless thermostat.	875.70	116.11
23 81 26 13-0015	EA	17,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes indoor unit and wireless thermostat.	1,000.46	122.56
23 81 26 13-0016	EA	24,200 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes indoor unit and wireless thermostat.	1,071.33	129.01
23 81 26 13-0017	EA	19,700 BTU, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes outdoor unit and refrigerant charge.	2,349.57	154.82
23 81 26 13-0018	EA	25,400 BTU, 16.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes outdoor unit and refrigerant charge.	2,601.78	167.72
23 81 26 13-0019	EA	30,600 BTU, 17.6 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners ..... Note: Includes outdoor unit and refrigerant charge.	4,236.48	180.62
23 81 26 13-0020	EA	Suspended Ceiling Mounted Ductless Split System Air Conditioners <sup>(23 81 26 13-0002)</sup> Note: Excludes hangers.		
23 81 26 13-0021	EA	24,400 BTU, 14.5 SEER, Ceiling Suspended Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,899.34	309.62
23 81 26 13-0022	EA	31,200 BTU, 15.1 SEER, Ceiling Suspended Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,969.49	369.62
23 81 26 13-0023	EA	39,000 BTU, 15.6 SEER, Ceiling Suspended Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,377.59	387.03
23 81 26 13-0024	EA	Recessed Ceiling Mounted Ductless Split System Air Conditioners <sup>(23 81 26 13-0002)</sup> Note: Excludes hangers.		
23 81 26 13-0025	EA	11,900 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,919.20	258.03
23 81 26 13-0026	EA	17,500 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,420.91	283.82
23 81 26 13-0027	EA	24,800 BTU, 14.1 SEER, Ceiling Recessed Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,829.19	335.42
23 81 26 13-0028	EA	32,600 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,610.40	369.62
23 81 26 13-0029	EA	39,500 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,198.04	387.03
23 81 26 13-0030	EA	Ductless Split System Accessories <sup>(23 81 26 13-0002)</sup>		
23 81 26 13-0031	LF	3" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	7.85	0.93
23 81 26 13-0032	LF	4" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	10.15	1.02
23 81 26 13-0033	LF	6" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	12.68	1.12
23 81 26 13-0034	EA	3" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	13.12	1.73
23 81 26 13-0035	EA	4" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	22.84	1.90
23 81 26 13-0036	EA	6" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	26.05	2.10
23 81 26 13-0037	EA	3" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	32.83	3.47
23 81 26 13-0038	EA	4" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	54.90	3.81
23 81 26 13-0039	EA	6" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	61.30	4.19
23 81 26 13-0040	EA	3" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	44.04	3.70



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 13-0041	EA			4" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	51.73	4.07
23 81 26 13-0042	EA			6" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	80.56	4.48
23 81 26 13-0043	EA			3" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	32.83	3.47
23 81 26 13-0044	EA			4" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	54.90	3.81
23 81 26 13-0045	EA			6" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	61.30	4.19
23 81 26 13-0046	EA			3" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	42.47	5.78
23 81 26 13-0047	EA			4" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	62.60	6.36
23 81 26 13-0048	EA			6" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	75.04	6.99
23 81 26 13-0049	EA			2-1/2" Wall Sleeve, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	24.52	1.16
23 81 26 13-0050	EA			3" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	26.26	3.47
23 81 26 13-0051	EA			4" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	43.08	3.81
23 81 26 13-0052	EA			3" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	23.63	3.47
23 81 26 13-0053	EA			4" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	32.57	3.81
23 81 26 13-0054	EA			6" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	35.03	4.19
23 81 26 13-0055	EA			4" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	117.78	4.63
23 81 26 13-0056	EA			6" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	133.63	5.09
23 81 26 13-0057	EA			14" Condensing Unit Mounting Blocks With End Caps .....	70.92	17.34
23 81 26 13-0058	EA			17" Condensing Unit Mounting Blocks With End Caps .....	78.36	18.49
23 81 26 13-0059	EA			36" Condensing Unit Mounting Blocks With End Caps .....	108.14	19.65
23 81 26 13-0060	EA			End Cap, Set of 4 .....	13.12	
23 81 26 13-0061	EA			18" Condensing Unit Type 2 Wall Bracket, 165 LB Capacity .....	151.12	34.67
23 81 26 13-0062	EA			21" Condensing Unit Type 2 Wall Bracket, 220 LB Capacity .....	160.38	36.99
23 81 26 13-0063	LF			5/8" ID Condensate Drain Line .....	1.74	0.09
23 81 26 13-0064	LF			3/4" ID Condensate Drain Line .....	1.80	0.09
<b>23 81 26 13-0065</b>				<b>Cased A/C Evaporator Coils <small>(23 81 26 13-0001)</small></b>		
<b>23 81 26 13-0066</b>				<b>Vertical Cased A/C Evaporator Coils <small>(23 81 26 13-0065)</small></b>		
23 81 26 13-0067	EA			1-1/2 Ton Vertical Cased A/C Evaporator Coil .....	405.86	72.71
23 81 26 13-0068	EA			2 Ton Vertical Cased A/C Evaporator Coil .....	424.06	78.16
23 81 26 13-0069	EA			2-1/2 Ton Vertical Cased A/C Evaporator Coil .....	501.64	83.62
23 81 26 13-0070	EA			3 Ton Vertical Cased A/C Evaporator Coil .....	569.85	89.07
23 81 26 13-0071	EA			3-1/2 Ton Vertical Cased A/C Evaporator Coil .....	656.29	92.70
23 81 26 13-0072	EA			4 Ton Vertical Cased A/C Evaporator Coil .....	730.24	96.34
23 81 26 13-0073	EA			4-1/2 Ton Vertical Cased A/C Evaporator Coil .....	784.37	103.61
23 81 26 13-0074	EA			5 Ton Vertical Cased A/C Evaporator Coil .....	791.12	109.06
<b>23 81 26 13-0075</b>				<b>"A" Style Horizontal Cased A/C Evaporator Coils <small>(23 81 26 13-0065)</small></b>		
23 81 26 13-0076	EA			2 Ton "A" Style Horizontal Cased A/C Evaporator Coil .....	492.84	74.53
23 81 26 13-0077	EA			2-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil .....	564.71	78.71
23 81 26 13-0078	EA			3 Ton "A" Style Horizontal Cased A/C Evaporator Coil .....	644.69	83.62
23 81 26 13-0079	EA			3-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil .....	668.10	86.63
23 81 26 13-0080	EA			4 Ton "A" Style Horizontal Cased A/C Evaporator Coil .....	699.53	90.89
23 81 26 13-0081	EA			4-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil .....	709.08	95.61
23 81 26 13-0082	EA			5 Ton "A" Style Horizontal Cased A/C Evaporator Coil .....	718.44	100.34
<b>23 81 26 13-0083</b>				<b>Slab Style Horizontal Cased A/C Evaporator Coils <small>(23 81 26 13-0065)</small></b>		
23 81 26 13-0084	EA			2 Ton Slab Style Horizontal Cased A/C Evaporator Coil .....	433.46	74.53
23 81 26 13-0085	EA			3 Ton Slab Style Horizontal Cased A/C Evaporator Coil .....	518.63	83.62
23 81 26 13-0086	EA			4 Ton Slab Style Horizontal Cased A/C Evaporator Coil .....	597.44	90.89
23 81 26 13-0087	EA			5 Ton Slab Style Horizontal Cased A/C Evaporator Coil .....	717.40	100.34
<b>23 81 26 16</b>				<b>Large-Capacity Split-System Air-Conditioners <small>(23 81 26)</small></b>		
<b>23 81 26 16-0001</b>				<b>Split System Air Conditioners, Variable Refrigerant Flow (Mitsubishi City Multi) <small>(23 81 26 16)</small></b>		
<b>23 81 26 16-0002</b>				<b>Outdoor Units <small>(23 81 26 16-0001)</small></b>		
23 81 26 16-0003	EA			6 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P72YKMU-A) .....	10,954.35	338.65
23 81 26 16-0004	EA			8 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P96YKMU-A) .....	11,863.65	403.16
23 81 26 16-0005	EA			10 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P120YKMU-A) .....	13,345.39	483.79
23 81 26 16-0006	EA			12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YKMU-A) .....	16,465.44	499.91
23 81 26 16-0007	EA			12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YSKMU-A) .....	21,959.65	516.04
23 81 26 16-0008	EA			14 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P168YKMU-A) .....	22,772.20	532.17
23 81 26 16-0009	EA			16 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P192YKMU-A) .....	23,584.73	548.29
23 81 26 16-0010	EA			18 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P216YKMU-A) .....	24,969.72	580.55
23 81 26 16-0011	EA			20 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P240YKMU-A) .....	26,354.69	612.80
23 81 26 16-0012	EA			22 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P264YKMU-A) .....	29,506.99	645.05
23 81 26 16-0013	EA			24 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P288YKMU-A) .....	32,659.27	677.30
<b>23 81 26 16-0014</b>				<b>Indoor Units <small>(23 81 26 16-0001)</small></b>		
23 81 26 16-0015	EA			6 MBH Cooling, 6.7 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P06NBMU-E2) .....	1,109.97	104.82
23 81 26 16-0016	EA			8 MBH Cooling, 9 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P08NHMU-E2) .....	1,166.11	112.88
23 81 26 16-0017	EA			12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P12NHMU-E2) .....	1,215.59	120.94
23 81 26 16-0018	EA			15 MBH Cooling, 17 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P15NHMU-E2) .....	1,275.06	129.01
23 81 26 16-0019	EA			18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P18NHMU-E2) .....	1,376.79	153.20



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0020 EA 24 MBH Cooling, 27 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P24NKMU-E2) .....	1,532.66	185.45
23 81 26 16-0021 EA 30 MBH Cooling, 34 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P30NKMU-E2) .....	1,660.28	201.58
23 81 26 16-0022 EA 6 MBH Cooling, 6.7 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P06NMAU-E3) .....	1,621.11	115.30
23 81 26 16-0023 EA 8 MBH Cooling, 9 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P08NMAU-E3) .....	1,675.52	124.17
23 81 26 16-0024 EA 12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P12NMAU-E3) .....	1,766.63	133.04
23 81 26 16-0025 EA 15 MBH Cooling, 17 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P15NMAU-E3) .....	1,917.74	141.91
23 81 26 16-0026 EA 18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P18NMAU-E3) .....	2,017.65	168.52
23 81 26 16-0027 EA 24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P24NMAU-E3) .....	2,208.65	204.00
23 81 26 16-0028 EA 27 MBH Cooling, 30 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P27NMAU-E3) .....	2,323.08	212.87
23 81 26 16-0029 EA 30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P30NMAU-E3) .....	2,450.87	221.73
23 81 26 16-0030 EA 36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P36NMAU-E3) .....	2,718.63	243.91
23 81 26 16-0031 EA 48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P48NMAU-E3) .....	3,014.16	268.30
23 81 26 16-0032 EA 54 MBH Cooling, 60 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P54NMAU-E3) .....	3,261.23	295.14
23 81 26 16-0033 EA 72 MBH Cooling, 80 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P72NMHSU-E) .....	4,150.56	324.64
23 81 26 16-0034 EA 96 MBH Cooling, 108 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P96NMHSU-E) .....	4,715.67	357.11
23 81 26 16-0035 EA 12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP12NEMU-E) .....	1,841.99	133.04
23 81 26 16-0036 EA 15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP15NEMU-E) .....	1,941.75	141.91
23 81 26 16-0037 EA 18 MBH Cooling, 20 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP18NEMU-E) .....	2,043.66	168.52
23 81 26 16-0038 EA 24 MBH Cooling, 27 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP24NEMU-E) .....	2,286.01	204.00
23 81 26 16-0039 EA 30 MBH Cooling, 34 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP30NEMU-E) .....	2,462.21	221.73
23 81 26 16-0040 EA 36 MBH Cooling, 40 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP36NEMU-E) .....	3,022.07	243.91
23 81 26 16-0041 EA 6 MBH Cooling, 6.7 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P06NBMU-ER5) .....	1,657.79	115.30
23 81 26 16-0042 EA 8 MBH Cooling, 9 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P08NBMU-ER5) .....	1,742.21	124.17
23 81 26 16-0043 EA 12 MBH Cooling, 13.5 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P12NBMU-ER5) .....	1,873.34	133.04
23 81 26 16-0044 EA 15 MBH Cooling, 17 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P15NBMU-ER5) .....	1,971.10	141.91
23 81 26 16-0045 EA 8 MBH Cooling, 9 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P08NCMU-ER4) .....	1,528.80	124.17
23 81 26 16-0046 EA 12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P12NCMU-ER4) .....	1,606.58	133.04
23 81 26 16-0047 EA 15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P15NCMU-ER4) .....	1,687.66	141.91
<b>23 81 26 16-0048</b> <b>Controllers For Outdoor Units</b> <small>(23 81 26 16-0001)</small>		
23 81 26 16-0049 EA 8 Branch (Main BC) (Mitsubishi CMB-P108NU-HA1) .....	5,962.27	96.75
23 81 26 16-0050 EA 10 Branch (Main BC) (Mitsubishi CMB-P1010NU-HA1) .....	6,894.85	112.88
23 81 26 16-0051 EA 13 Branch (Main BC) (Mitsubishi CMB-P1013NU-GA) .....	7,617.36	129.01
23 81 26 16-0052 EA 16 Branch (Main BC) (Mitsubishi CMB-P1016NU-HA) .....	9,043.44	145.13
23 81 26 16-0053 EA 4 Branch (Sub BC) (Mitsubishi CMB-P104NU-GB) .....	3,320.16	64.51
23 81 26 16-0054 EA 8 Branch (Sub BC) (Mitsubishi CMB-P108NU-GB) .....	5,115.30	96.75
23 81 26 16-0055 EA 16 Branch (Sub BC) (Mitsubishi CMB-P1016NU-HB) .....	7,819.66	145.13
<b>23 81 26 16-0056</b> <b>Energy Recovery Units</b> <small>(23 81 26 16-0001)</small>		
23 81 26 16-0057 EA 36.2 MBH Cooling, 39.9 MBH Heating Hydronic Heat Exchanger Auxiliary Unit (Mitsubishi PWFY-P36NMMU-E2-AU) .....	4,208.31	96.75
23 81 26 16-0058 EA 39.9 MBH Hydronic Heat Exchanger Booster Unit (Mitsubishi PWFY-P36NMMU-E-BU) .....	7,996.34	96.75
23 81 26 16-0059 EA 112 MBH Cooling, 61.4 MBH Heating Reheat Unit (Mitsubishi PEFY-AF1200CFMR) .....	8,105.29	112.88
23 81 26 16-0060 EA Lossnay Energy Recovery Ventilator ERV, 300 CFM (Mitsubishi LGH-F300RX5-E) .....	1,661.80	80.64
23 81 26 16-0061 EA Lossnay Energy Recovery Ventilator ERV, 470 CFM (Mitsubishi LGH-F470RX5-E) .....	2,125.10	83.85
23 81 26 16-0062 EA Lossnay Energy Recovery Ventilator ERV, 600 CFM (Mitsubishi LGH-F600RX5-E) .....	2,538.35	87.08
23 81 26 16-0063 EA Lossnay Energy Recovery Ventilator ERV, 1,200 CFM (Mitsubishi LGH-F1200RX5-E1) .....	4,651.80	96.75
<b>23 81 26 16-0064</b> <b>Piping Specialties</b> <small>(23 81 26 16-0001)</small>		
23 81 26 16-0065 EA Maintenance Tool Interface (Mitsubishi CMS-MNG-E) .....	593.55	
23 81 26 16-0066 EA Branch Joint (Mitsubishi CMY-Y102SS-G2) .....	153.15	26.91
23 81 26 16-0067 EA Branch Joint (Mitsubishi CMY-Y102LS-G2) .....	153.15	26.91
23 81 26 16-0068 EA Branch Joint (Mitsubishi CMY-Y202S-G2) .....	170.02	28.32
23 81 26 16-0069 EA Branch Joint (Mitsubishi CMY-Y302S-G2) .....	213.77	31.87
23 81 26 16-0070 EA Header - 4 Branch (Mitsubishi CMY-Y64-G-E) .....	278.78	46.03
23 81 26 16-0071 EA Header - 8 Branch (Mitsubishi CMY-Y68-G-E) .....	470.88	92.05
23 81 26 16-0072 EA Refrigeration Ball Valve-Flare/Schrader/Insulated - 3/8" (Mitsubishi BV38FFSI) .....	86.02	11.33
23 81 26 16-0073 EA Refrigeration Ball Valve-Flare/Schrader/Insulated - 5/8" (Mitsubishi BV58FFSI) .....	96.51	15.58
<b>23 81 26 16-0074</b> <b>Split System Air Conditioners (Daikin VRV)</b> <small>(23 81 26 16)</small>		
<b>23 81 26 16-0075</b> <b>Heat Pump Outdoor Units</b> <small>(23 81 26 16-0074)</small>		
23 81 26 16-0076 EA 6 Ton Heat Pump Outdoor Unit (Daikin RXYQ72PBTJ) .....	14,240.68	338.65
23 81 26 16-0077 EA 8 Ton Heat Pump Outdoor Unit (Daikin RXYQ96PBTJ) .....	15,916.41	403.16
23 81 26 16-0078 EA 10 Ton Heat Pump Outdoor Unit (Daikin RXYQ120PBTJ) .....	17,743.34	483.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0079 EA 12 Ton Heat Pump Outdoor Unit (Daikin RXYQ144PBTJ) .....	22,177.75	499.91
23 81 26 16-0080 EA 14 Ton Heat Pump Outdoor Unit (Daikin RXYQ168PBTJ) .....	29,737.81	532.17
23 81 26 16-0081 EA 16 Ton Heat Pump Outdoor Unit (Daikin RXYQ192PBTJ) .....	31,435.74	548.29
23 81 26 16-0082 EA 18 Ton Heat Pump Outdoor Unit (Daikin RXYQ216PBTJ) .....	33,046.95	580.55
23 81 26 16-0083 EA 20 Ton Heat Pump Outdoor Unit (Daikin RXYQ240PBTJ) .....	34,777.13	612.80
23 81 26 16-0084 EA 22 Ton Heat Pump Outdoor Unit (Daikin RXYQ264PBTJ) .....	45,073.66	645.05
23 81 26 16-0085 EA 24 Ton Heat Pump Outdoor Unit (Daikin RXYQ288PBTJ) .....	46,803.84	677.30
23 81 26 16-0086 EA 26 Ton Heat Pump Outdoor Unit (Daikin RXYQ312PBTJ) .....	48,534.02	709.56
23 81 26 16-0087 EA 28 Ton Heat Pump Outdoor Unit (Daikin RXYQ336PBTJ) .....	50,145.23	741.81
23 81 26 16-0088 EA 30 Ton Heat Pump Outdoor Unit (Daikin RXYQ360PBTJ) .....	51,875.42	774.07
<b>23 81 26 16-0089 Heat Recovery Heat Pump Outdoor Units (23 81 26 16-0074)</b>		
23 81 26 16-0090 EA 6 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ72PBTJ) .....	18,236.56	440.25
23 81 26 16-0091 EA 8 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ96PBTJ) .....	19,884.75	524.10
23 81 26 16-0092 EA 10 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ120PBTJ) .....	21,840.88	628.93
23 81 26 16-0093 EA 12 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ144PBTJ) .....	27,474.73	649.89
23 81 26 16-0094 EA 14 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ168PBTJ) .....	37,195.73	691.82
23 81 26 16-0095 EA 16 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ192PBTJ) .....	40,093.11	712.78
23 81 26 16-0096 EA 18 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ216PBTJ) .....	41,604.69	754.71
23 81 26 16-0097 EA 20 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ240PBTJ) .....	43,116.28	796.64
23 81 26 16-0098 EA 22 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ264PBTJ) .....	56,823.00	838.56
23 81 26 16-0099 EA 24 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ288PBTJ) .....	58,334.58	880.50
23 81 26 16-0100 EA 26 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ312PBTJ) .....	61,273.90	922.43
23 81 26 16-0101 EA 28 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin REYQ336PBTJ) .....	62,785.47	964.35
<b>23 81 26 16-0102 Indoor Units (23 81 26 16-0074)</b>		
23 81 26 16-0103 EA 7.5 MBH Cooling, 8.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ07PVJU) .....	1,617.58	112.88
23 81 26 16-0104 EA 9.5 MBH Cooling, 10.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ09PVJU) .....	1,690.25	116.11
23 81 26 16-0105 EA 12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ12PVJU) .....	1,914.31	120.94
23 81 26 16-0106 EA 18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ18PVJU) .....	2,142.69	153.20
23 81 26 16-0107 EA 24 MBH Cooling, 26.5 MBH Heating Wall Mounted Indoor Unit (Daikin FXAQ24PVJU) .....	2,348.62	185.45
23 81 26 16-0108 EA 7.5 MBH Cooling, 8.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ07PVJU) .....	2,376.46	124.17
23 81 26 16-0109 EA 9.5 MBH Cooling, 10.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ09PVJU) .....	2,456.52	127.72
23 81 26 16-0110 EA 12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ12PVJU) .....	2,580.53	70.95
23 81 26 16-0111 EA 18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ18PVJU) .....	2,735.66	168.52
23 81 26 16-0112 EA 24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ24PVJU) .....	3,241.00	204.00
23 81 26 16-0113 EA 30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ30PVJU) .....	3,708.61	221.73
23 81 26 16-0114 EA 36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ36PVJU) .....	3,961.73	243.91
23 81 26 16-0115 EA 48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin FXMQ48PVJU) .....	4,094.69	268.30
23 81 26 16-0116 EA 7.5 MBH Cooling, 8.7 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ07M7VJU) .....	2,661.55	124.17
23 81 26 16-0117 EA 9.5 MBH Cooling, 11.1 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ09M7VJU) .....	2,724.78	127.72
23 81 26 16-0118 EA 12 MBH Cooling, 14 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ12M7VJU) .....	2,898.18	133.04
23 81 26 16-0119 EA 18 MBH Cooling, 21 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin FXZQ18M7VJU) .....	3,086.98	168.52
<b>23 81 26 16-0120 Branch Selector Boxes (23 81 26 16-0074)</b>		
23 81 26 16-0121 EA 144 MBH, 4 Branch, Multi Port Branch Selector Box (Daikin BSV4Q36PVJU) .....	8,142.76	145.13
23 81 26 16-0122 EA 216 MBH, 6 Branch, Multi Port Branch Selector Box (Daikin BSV6Q36PVJU) .....	12,046.78	193.52
23 81 26 16-0123 EA 36 MBH, 4 Branch, Single Port Branch Selector Box (Daikin BSVQ36PVJU) .....	1,599.39	64.51
23 81 26 16-0124 EA 60 MBH, 8 Branch, Single Port Branch Selector Box (Daikin BSVQ60PVJU) .....	2,154.40	96.75
23 81 26 16-0125 EA 96 MBH, 8 Branch, Single Port Branch Selector Box (Daikin BSVQ96PVJU) .....	2,669.81	145.13
<b>23 81 26 16-0126 Controllers (23 81 26 16-0074)</b>		
23 81 26 16-0127 EA Up To 16 Units, Navigation Controller (Daikin BRC1E71) .....	493.80	12.90
23 81 26 16-0128 EA Individual Zone Controller (Daikin BRC2A71) .....	354.62	12.90
23 81 26 16-0129 EA Up To 16 Groups, Unified ON/OFF Controller (Daikin DCS301C71) .....	694.71	12.90
23 81 26 16-0130 EA Up To 64 Units, Multizone Controller (Daikin DCS302C71) .....	976.44	12.90
23 81 26 16-0131 EA I-Touch Manager Replaced Both Daikin IMP-128 thru 1024 and DCS601C71 (Daikin DCM601A71) .....	9,068.38	154.82
23 81 26 16-0132 EA I-Touch Manager D3net Plus Adapter (Daikin DCM601A72) .....	1,700.41	12.90
23 81 26 16-0133 EA 24 Volt AC, Wired Thermostat For Split A/C Systems (Daikin DACA-TS1-1) .....	373.46	22.77
<b>23 81 26 16-0134 Energy Recovery Units (23 81 26 16-0074)</b>		
23 81 26 16-0135 EA 300 CFM Energy Recovery Unit (Daikin VAM300GVJU) .....	2,809.06	80.64
23 81 26 16-0136 EA 470 CFM Energy Recovery Unit (Daikin VAM470GVJU) .....	3,648.36	83.85
23 81 26 16-0137 EA 600 CFM Energy Recovery Unit (Daikin VAM600GVJU) .....	4,368.66	87.08
23 81 26 16-0138 EA 1,200 CFM Energy Recovery Unit (Daikin VAM1200GVJU) .....	8,164.98	96.75

**23 81 43 Air-Source Unitary Heat Pumps (23 81)**

**23 81 43 00-0001 Single Package Thru-Wall Heat Pumps (23 81 43)**

Note: Air-to-air type with electric heat. Includes throwaway filters. Through the wall units are wired for 230/208 V, 1 phase, 60 HZ. With electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls all mounted in a steel cabinet, wall sleeve and outdoor grille. Excludes crane and associated personnel. See CSI section 01 22 23 00-0927 for crane lifting equipment.

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81	43 00-0002	EA	1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	1,673.35	105.04
			<i>For Unit Economizer, Add</i>	226.15	
			<i>For &gt;35 To 70, Deduct</i>	-44.11	
			<i>For &gt;70 To 100, Deduct</i>	-73.51	
			<i>For &gt;100, Deduct</i>	-102.92	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	183.09	
23 81	43 00-0003	EA	1 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	1,850.73	112.05
			<i>For Unit Economizer, Add</i>	250.42	
			<i>For &gt;35 To 70, Deduct</i>	-49.01	
			<i>For &gt;70 To 100, Deduct</i>	-81.68	
			<i>For &gt;100, Deduct</i>	-114.35	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	201.30	
23 81	43 00-0004	EA	1-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	3,222.98	112.05
			<i>For Unit Economizer, Add</i>	442.53	
			<i>For &gt;35 To 70, Deduct</i>	-90.18	
			<i>For &gt;70 To 100, Deduct</i>	-150.29	
			<i>For &gt;100, Deduct</i>	-210.41	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	324.80	
23 81	43 00-0005	EA	2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	3,531.03	112.05
			<i>For Unit Economizer, Add</i>	485.10	
			<i>For &gt;35 To 70, Deduct</i>	-99.00	
			<i>For &gt;70 To 100, Deduct</i>	-165.00	
			<i>For &gt;100, Deduct</i>	-231.00	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	156.77	
23 81	43 00-0006	EA	2-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	4,002.46	119.06
			<i>For Unit Economizer, Add</i>	550.54	
			<i>For &gt;35 To 70, Deduct</i>	-112.72	
			<i>For &gt;70 To 100, Deduct</i>	-187.87	
			<i>For &gt;100, Deduct</i>	-263.01	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	174.00	
23 81	43 00-0007	EA	3 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	4,198.50	126.05
			<i>For Unit Economizer, Add</i>	577.99	
			<i>For &gt;35 To 70, Deduct</i>	-118.60	
			<i>For &gt;70 To 100, Deduct</i>	-197.67	
			<i>For &gt;100, Deduct</i>	-276.74	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	575.22	
23 81	43 00-0008	EA	3-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	4,735.26	126.05
			<i>For Unit Economizer, Add</i>	652.57	
			<i>For &gt;35 To 70, Deduct</i>	-134.28	
			<i>For &gt;70 To 100, Deduct</i>	-223.81	
			<i>For &gt;100, Deduct</i>	-313.33	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	646.68	
23 81	43 00-0009	EA	4 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	5,232.35	133.06
			<i>For Unit Economizer, Add</i>	721.88	
			<i>For &gt;35 To 70, Deduct</i>	-148.99	
			<i>For &gt;70 To 100, Deduct</i>	-248.31	
			<i>For &gt;100, Deduct</i>	-347.64	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	712.14	
23 81	43 00-0010	EA	5 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	6,025.84	154.06
			<i>For Unit Economizer, Add</i>	831.29	
			<i>For &gt;35 To 70, Deduct</i>	-171.53	
			<i>For &gt;70 To 100, Deduct</i>	-285.89	
			<i>For &gt;100, Deduct</i>	-400.24	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	820.33	
23 81	43 00-0011	EA	7-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	11,120.45	182.08
			<i>For Unit Economizer, Add</i>	1,542.02	
			<i>For &gt;35 To 70, Deduct</i>	-322.48	
			<i>For &gt;70 To 100, Deduct</i>	-537.46	
			<i>For &gt;100, Deduct</i>	-752.45	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,490.20	
23 81	43 00-0012	EA	10 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	14,322.38	231.10
			<i>For Unit Economizer, Add</i>	1,986.37	
			<i>For &gt;35 To 70, Deduct</i>	-415.60	
			<i>For &gt;70 To 100, Deduct</i>	-692.66	
			<i>For &gt;100, Deduct</i>	-969.72	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	255.83	
23 81	43 00-0013	EA	12-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	17,507.97	259.11
			<i>For Unit Economizer, Add</i>	2,430.39	
			<i>For &gt;35 To 70, Deduct</i>	-509.69	
			<i>For &gt;70 To 100, Deduct</i>	-849.49	
			<i>For &gt;100, Deduct</i>	-1,189.28	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	299.45	
23 81	43 00-0014	EA	15 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	21,622.41	294.13
			<i>For Unit Economizer, Add</i>	3,003.89	
			<i>For &gt;35 To 70, Deduct</i>	-631.23	
			<i>For &gt;70 To 100, Deduct</i>	-1,052.06	
			<i>For &gt;100, Deduct</i>	-1,472.88	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	355.72	
23 81	43 00-0015	EA	20 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	28,859.40	315.13
			<i>For Unit Economizer, Add</i>	4,015.11	
			<i>For &gt;35 To 70, Deduct</i>	-846.87	
			<i>For &gt;70 To 100, Deduct</i>	-1,411.46	
			<i>For &gt;100, Deduct</i>	-1,976.04	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	439.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0016 EA 25 Ton Single Package Heat Pump, Air To Air Type With Electric Heat..... <i>For Unit Economizer, Add</i> <i>For &gt;35 To 70, Deduct</i> <i>For &gt;70 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Low Ambient Protection, 0 Degree F, Add</i>	34,796.49 4,844.06 -1,023.31 -1,705.51 -2,387.71 512.67	343.15
<b>23 81 43 00-0017 Single Package Vertical Wall Heat Pumps</b> <small>(23 81 43)</small> Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 V, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0927 for crane lifting equipment.		
23 81 43 00-0018 EA 1/2 Ton Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat .....	2,578.34	140.06
23 81 43 00-0019 EA 1 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat .....	3,147.96	154.06
23 81 43 00-0020 EA 1-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat .....	4,100.35	161.07
23 81 43 00-0021 EA 2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat .....	4,708.68	175.07
23 81 43 00-0022 EA 2-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat .....	5,900.64	203.08
23 81 43 00-0023 EA 3 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat .....	6,295.38	231.10
23 81 43 00-0024 EA 3-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat .....	6,827.59	259.11
23 81 43 00-0025 EA 4 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat .....	7,686.17	287.12
23 81 43 00-0026 EA 5 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat .....	8,650.17	343.15
<b>23 81 43 00-0027 Heat Pump, Room Air-Conditioners</b> <small>(23 81 43)</small> Note: Includes throwaway filters and supplemental heat.		
<b>23 81 43 00-0028 Heat Pump, Window Unit, Room Air-Conditioners</b> <small>(23 81 43 00-0027)</small>		
<b>23 81 43 00-0029 Heat Pump, Window Unit, Room Air-Conditioners (Friedrich)</b> <small>(23 81 43 00-0028)</small>		
23 81 43 00-0030 EA 10,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS10N10C) .....	1,384.46	67.73
<i>For &gt;10 To 50, Deduct</i>	-62.45	
<i>For &gt;50 To 75, Deduct</i>	-87.43	
<i>For &gt;75 To 100, Deduct</i>	-124.90	
<i>For &gt;100, Deduct</i>	-149.88	
23 81 43 00-0031 EA 12,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS12N33C) .....	1,564.46	67.73
<i>For &gt;10 To 50, Deduct</i>	-71.45	
<i>For &gt;50 To 75, Deduct</i>	-100.03	
<i>For &gt;75 To 100, Deduct</i>	-142.90	
<i>For &gt;100, Deduct</i>	-171.48	
23 81 43 00-0032 EA 18,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YM18N34C) .....	1,784.46	67.73
<i>For &gt;10 To 50, Deduct</i>	-82.45	
<i>For &gt;50 To 75, Deduct</i>	-115.43	
<i>For &gt;75 To 100, Deduct</i>	-164.90	
<i>For &gt;100, Deduct</i>	-197.88	
23 81 43 00-0033 EA 24,000 BTU, 10.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YL24N35D) .....	2,134.46	67.73
<i>For &gt;10 To 50, Deduct</i>	-99.95	
<i>For &gt;50 To 75, Deduct</i>	-139.93	
<i>For &gt;75 To 100, Deduct</i>	-199.90	
<i>For &gt;100, Deduct</i>	-239.88	
<b>23 81 43 00-0034 Heat Pump, Through-The-Wall, Room Air-Conditioners</b> <small>(23 81 43 00-0027)</small> Note: Base unit excludes wall sleeve.		
<b>23 81 43 00-0035 Heat Pump, Through-The-Wall, Room Air-Conditioners (Friedrich)</b> <small>(23 81 43 00-0034)</small>		
23 81 43 00-0036 EA 9,300 BTU, 9.8 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY09C33D) .....	1,395.75	48.38
<i>For &gt;10 To 50, Deduct</i>	-64.95	
<i>For &gt;50 To 75, Deduct</i>	-90.93	
<i>For &gt;75 To 100, Deduct</i>	-129.90	
<i>For &gt;100, Deduct</i>	-155.88	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	188.73	
23 81 43 00-0037 EA 11,300 BTU, 9.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY12D33A) .....	1,395.75	48.38
<i>For &gt;10 To 50, Deduct</i>	-64.95	
<i>For &gt;50 To 75, Deduct</i>	-90.93	
<i>For &gt;75 To 100, Deduct</i>	-129.90	
<i>For &gt;100, Deduct</i>	-155.88	
<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	188.73	
<b>23 81 46 Water-Source Unitary Heat Pumps</b> <small>(23 81)</small>		
<b>23 81 46 00-0001 Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pumps</b> <small>(23 81 46)</small> Note: R410a. Includes rubber isolator hanger brackets. McQuay CCW Series.		
23 81 46 00-0002 EA 7 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump .....	1,962.55	145.42
23 81 46 00-0003 EA 9 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump .....	2,023.96	145.42
23 81 46 00-0004 EA 12 MBH, 400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump .....	2,338.26	159.96
23 81 46 00-0005 EA 19 MBH, 630 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump .....	2,464.23	174.50
23 81 46 00-0006 EA 24 MBH, 800 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump .....	2,643.43	189.05
23 81 46 00-0007 EA 30 MBH, 1,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump .....	3,109.20	203.59

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 46 00-0008	EA		36 MBH, 1,200 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump .....	3,179.23	218.13
23 81 46 00-0009	EA		42 MBH, 1,400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump .....	3,467.60	232.67
23 81 46 00-0010	EA		48 MBH, 1,600 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump .....	3,701.38	247.21
23 81 46 00-0011	EA		60 MBH, 2,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump .....	3,764.58	261.76
<b>23 81 49 Split System Heat Pumps (23 81)</b>					
<b>23 81 49 00-0001 Air Cooled, Outdoor Section (23 81 49)</b>					
23 81 49 00-0002	EA		1.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	3,424.14	207.99
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For Low Ambient Protection, 0 Degree F, Add	607.31	
			For Winterstart Control, Add	155.87	
			For 16 SEER, Add	901.61	
			For 18 SEER, Add	1,367.96	
23 81 49 00-0003	EA		2 Ton, 14 SEER, Outdoor Heat Pump Unit.....	3,519.75	231.10
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For Low Ambient Protection, 0 Degree F, Add	626.37	
			For Winterstart Control, Add	161.80	
			For 16 SEER, Add	919.18	
			For 18 SEER, Add	1,394.62	
23 81 49 00-0004	EA		2.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	3,834.86	268.22
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For Low Ambient Protection, 0 Degree F, Add	684.42	
			For Winterstart Control, Add	177.77	
			For 16 SEER, Add	994.32	
			For 18 SEER, Add	1,508.62	
23 81 49 00-0005	EA		3 Ton, 14 SEER, Outdoor Heat Pump Unit.....	4,175.55	308.13
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For Low Ambient Protection, 0 Degree F, Add	561.76	
			For Winterstart Control, Add	195.04	
			For 16 SEER, Add	1,075.51	
			For 18 SEER, Add	1,631.81	
23 81 49 00-0006	EA		3.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	4,306.30	320.04
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For Low Ambient Protection, 0 Degree F, Add	579.78	
			For Winterstart Control, Add	201.34	
			For 16 SEER, Add	1,108.23	
			For 18 SEER, Add	1,681.46	
23 81 49 00-0007	EA		4 Ton, 14 SEER, Outdoor Heat Pump Unit.....	4,789.66	367.66
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For Low Ambient Protection, 0 Degree F, Add	643.04	
			For Winterstart Control, Add	223.10	
			For 16 SEER, Add	1,236.69	
			For 18 SEER, Add	1,876.35	
23 81 49 00-0008	EA		5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	5,462.75	404.42
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For Low Ambient Protection, 0 Degree F, Add	388.69	
			For Winterstart Control, Add	106.63	
			For 16 SEER, Add	1,416.65	
			For 18 SEER, Add	2,149.40	
23 81 49 00-0009	EA		7.5 Ton, 11.5 EER, Outdoor Heat Pump Unit.....	5,701.45	451.54
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For Low Ambient Protection, 0 Degree F, Add	414.08	
			For Winterstart Control, Add	115.07	
23 81 49 00-0010	EA		10 Ton, 11.1 EER, Outdoor Heat Pump Unit .....	7,933.45	541.84
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For Low Ambient Protection, 0 Degree F, Add	274.43	
			For Winterstart Control, Add	149.11	
23 81 49 00-0011	EA		15 Ton, 10.9 EER, Outdoor Heat Pump Unit .....	10,482.49	632.15
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For Low Ambient Protection, 0 Degree F, Add	305.83	
			For Winterstart Control, Add	185.91	
23 81 49 00-0012	EA		20 Ton, 10.3 EER, Outdoor Heat Pump Unit .....	19,095.84	677.30
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For Low Ambient Protection, 0 Degree F, Add	322.45	
			For Winterstart Control, Add	278.02	
<b>23 81 49 00-0013 Indoor Section, Horizontal Upflow (23 81 49)</b>					
			Note: Electric heat. Includes throwaway filters.		
23 81 49 00-0014	EA		2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat .....	975.46	69.03
			For Additional 5 KW Electric Heat, Add	90.61	
23 81 49 00-0015	EA		2-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat .....	1,067.89	85.98
			For Additional 5 KW Electric Heat, Add	98.19	
23 81 49 00-0016	EA		3 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat .....	1,103.97	103.86
			For Additional 5 KW Electric Heat, Add	99.99	
23 81 49 00-0017	EA		3-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat .....	1,502.32	121.59
			For Additional 5 KW Electric Heat, Add	138.06	
23 81 49 00-0018	EA		4 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat .....	1,533.39	137.07
			For Additional 5 KW Electric Heat, Add	139.61	
23 81 49 00-0019	EA		5 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat .....	1,696.94	157.40
			For Additional 5 KW Electric Heat, Add	153.96	
23 81 49 00-0020	EA		7-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat .....	3,681.21	258.03
			For Additional 5 KW Electric Heat, Add	342.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0021 EA 10 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 kW Electric Heat ..... <i>For Additional 5 KW Electric Heat, Add</i>	5,497.20 520.70	290.27
23 81 49 00-0022 EA 15 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15KW Electric Heat ..... <i>For Additional 5 KW Electric Heat, Add</i>	7,777.60 745.51	322.52
23 81 49 00-0023 EA 20 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat ..... <i>For Additional 5 KW Electric Heat, Add</i>	8,823.88 843.68	387.03
<b>23 81 49 00-0024 Ductless Split System Heat Pumps</b> <small>(23 81 49)</small> Note: Excludes refrigerant piping, electrical, and pad. Sanyo units or equal. See CSI section 23 81 26 13-0030 for accessories.		
<b>23 81 49 00-0025 Wall Mounted Ductless Split System Heat Pumps</b> <small>(23 81 49 00-0024)</small>		
23 81 49 00-0026 EA 9,000 BTU Cooling, 12,200 BTU Heating, 16 SEER, Wall Mounted Ductless Split System Heat Pumps ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,047.74	212.87
23 81 49 00-0027 EA 11,900 BTU Cooling, 13,300 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,260.40	232.22
23 81 49 00-0028 EA 17,500 BTU Cooling, 20,400 BTU Heating, 20 SEER, Wall Mounted Ductless Split System Heat Pumps ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,785.44	258.03
23 81 49 00-0029 EA 24,200 BTU Cooling, 29,000 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,218.02	283.82
23 81 49 00-0030 EA 25,200 BTU Cooling, 29,200 BTU Heating, 14.9 SEER, Wall Mounted Ductless Split System Heat Pumps ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,689.27	309.62
23 81 49 00-0031 EA 29,800 BTU Cooling, 34,800 BTU Heating, 15 SEER, Wall Mounted Ductless Split System Heat Pumps ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,481.91	322.52
23 81 49 00-0032 EA 31,400 BTU Cooling, 36,400 BTU Heating, 15.9 SEER, Wall Mounted Ductless Split System Heat Pumps ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,026.74	343.82
<b>23 81 49 00-0033 Dual and Tri Zone Wall Mounted Ductless Split System Heat Pumps</b> <small>(23 81 49 00-0024)</small> Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 49 00-0034 EA 7,500 BTU Cooling, 8,500 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit and wireless thermostat.	829.97	103.21
23 81 49 00-0035 EA 9,000 BTU Cooling, 12,200 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit and wireless thermostat.	873.04	109.66
23 81 49 00-0036 EA 11,900 BTU Cooling, 14,300 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit and wireless thermostat.	917.00	116.11
23 81 49 00-0037 EA 17,500 BTU Cooling, 20,400 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit and wireless thermostat.	1,055.22	122.56
23 81 49 00-0038 EA 24,200 BTU Cooling, 29,000 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps..... Note: Includes indoor unit and wireless thermostat.	1,125.19	129.01
23 81 49 00-0039 EA 19,700 BTU Cooling, 24,800 BTU Heating, 16.4 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps ..... Note: Includes outdoor unit and refrigerant charge.	2,681.73	154.82
23 81 49 00-0040 EA 23,200 BTU Cooling, 29,200 BTU Heating, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps ..... Note: Includes outdoor unit and refrigerant charge.	3,198.77	167.72
23 81 49 00-0041 EA 30,600 BTU Cooling, 32,000 BTU Heating, 17.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps ..... Note: Includes outdoor unit and refrigerant charge.	5,320.04	180.62
<b>23 81 49 00-0042 Suspended Ceiling Mounted Ductless Split System Heat Pumps</b> <small>(23 81 49 00-0024)</small> Note: Excludes hangers.		
23 81 49 00-0043 EA 24,400 BTU Cooling, 30,800 BTU Heating, 14.5 SEER, Ceiling Suspended Ductless Split System Heat Pumps ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,042.98	309.62
23 81 49 00-0044 EA 31,200 BTU Cooling, 37,400 BTU Heating, 15.1 SEER, Ceiling Suspended Ductless Split System Heat Pumps ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,117.62	369.62
23 81 49 00-0045 EA 39,000 BTU Cooling, 44,500 BTU Heating, 15.6 SEER, Ceiling Suspended Ductless Split System Heat Pumps ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,467.36	387.03
<b>23 81 49 00-0046 Recessed Ceiling Mounted Ductless Split System Heat Pumps</b> <small>(23 81 49 00-0024)</small> Note: Excludes hangers.		
23 81 49 00-0047 EA 11,900 BTU Cooling, 13,600 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,278.30	258.03
23 81 49 00-0048 EA 17,500 BTU Cooling, 20,400 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,723.44	283.82
23 81 49 00-0049 EA 24,800 BTU Cooling, 29,800 BTU Heating, 14.1 SEER, Ceiling Recessed Ductless Split System Heat Pumps ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,972.83	335.42
23 81 49 00-0050 EA 32,600 BTU Cooling, 37,600 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,758.53	369.62
23 81 49 00-0051 EA 39,500 BTU Cooling, 48,000 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,287.82	387.03
<b>23 82 Convection Heating And Cooling Units</b> <small>(23 80)</small>		
<b>23 82 16 Air Coils</b> <small>(23 82)</small>		
<b>23 82 16 11 Hydronic Air Coils</b> <small>(23 82 16)</small>		
<b>23 82 16 11-0001 Chilled Water Cooling Coils</b> <small>(23 82 16 11)</small> Note: Flanged construction, 16 gauge galvanized steel casing.		

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0002			<b>2 Row Chilled Water Cooling Coils</b> <small>(23 82 16 11-0001)</small>		
23 82 16 11-0003	EA		12" x 12" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	942.33	36.35
23 82 16 11-0004	EA		12" x 24" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,560.91	49.44
23 82 16 11-0005	EA		24" x 30" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,104.54	77.80
23 82 16 11-0006	EA		24" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,548.18	111.25
23 82 16 11-0007	EA		30" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,710.71	136.69
23 82 16 11-0008	EA		30" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,037.51	165.78
23 82 16 11-0009	EA		30" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,259.44	191.95
23 82 16 11-0010	EA		30" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,531.71	339.12
23 82 16 11-0011	EA		34" x 32" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,166.89	128.92
23 82 16 11-0012	EA		34" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,796.21	219.51
23 82 16 11-0013	EA		34" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,130.12	272.67
23 82 16 11-0014	EA		34" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,447.55	329.30
23 82 16 11-0015	EA		34" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,771.20	383.47
23 82 16 11-0016			<b>4 Row Chilled Water Cooling Coils</b> <small>(23 82 16 11-0001)</small>		
23 82 16 11-0017	EA		12" x 12" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,171.47	75.61
23 82 16 11-0018	EA		12" x 24" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,883.03	109.06
23 82 16 11-0019	EA		24" x 30" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,573.54	181.77
23 82 16 11-0020	EA		24" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,156.57	269.75
23 82 16 11-0021	EA		30" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,652.98	330.83
23 82 16 11-0022	EA		30" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,343.87	404.27
23 82 16 11-0023	EA		30" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,845.44	484.97
23 82 16 11-0024	EA		30" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,754.48	564.52
23 82 16 11-0025	EA		34" x 32" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,969.10	243.66
23 82 16 11-0026	EA		34" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,797.26	366.46
23 82 16 11-0027	EA		34" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,216.31	454.44
23 82 16 11-0028	EA		34" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,720.68	547.50
23 82 16 11-0029	EA		34" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,185.58	640.07
23 82 16 11-0030			<b>6 Row Chilled Water Cooling Coils</b> <small>(23 82 16 11-0001)</small>		
23 82 16 11-0031	EA		12" x 12" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,653.33	95.98
23 82 16 11-0032	EA		12" x 24" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,951.13	142.51
23 82 16 11-0033	EA		24" x 30" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,660.72	242.85
23 82 16 11-0034	EA		24" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,617.08	363.55
23 82 16 11-0035	EA		30" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,750.85	454.44
23 82 16 11-0036	EA		30" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,402.58	559.15
23 82 16 11-0037	EA		30" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,285.97	660.94
23 82 16 11-0038	EA		30" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,002.57	770.22
23 82 16 11-0039	EA		34" x 32" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,720.32	332.94
23 82 16 11-0040	EA		34" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,770.19	499.37
23 82 16 11-0041	EA		34" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,377.38	625.30
23 82 16 11-0042	EA		34" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,964.58	751.17



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0043 EA 34" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,554.55	873.90
<b>23 82 16 11-0044 8 Row Chilled Water Cooling Coils</b> <small>(23 82 16 11-0001)</small>		
23 82 16 11-0045 EA 12" x 12" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,066.81	115.61
23 82 16 11-0046 EA 12" x 24" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,530.67	177.42
23 82 16 11-0047 EA 24" x 30" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,777.24	316.29
23 82 16 11-0048 EA 24" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,015.44	484.97
23 82 16 11-0049 EA 30" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,022.81	606.40
23 82 16 11-0050 EA 30" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,996.16	727.10
23 82 16 11-0051 EA 30" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,041.74	807.81
23 82 16 11-0052 EA 30" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,893.84	937.01
23 82 16 11-0053 EA 34" x 32" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,247.80	405.72
23 82 16 11-0054 EA 34" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,462.81	609.96
23 82 16 11-0055 EA 34" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,166.96	759.82
23 82 16 11-0056 EA 34" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,837.85	908.88
23 82 16 11-0057 EA 34" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,546.12	1,069.28
<b>23 82 16 11-0058 Hot Water Heating Coils</b> <small>(23 82 16 11)</small> Note: Flanged construction.		
<b>23 82 16 11-0059 1 Row Hot Water Heating Coils</b> <small>(23 82 16 11-0058)</small>		
23 82 16 11-0060 EA 12" x 12" Hot Water Heating Coil, 1 Row Flanged Construction	944.51	98.15
For 10 Fins Per Inch, Add	14.96	
For 12 Fins Per Inch, Add	37.40	
For 230 PSIG Heavy Duty, Add	208.55	
23 82 16 11-0061 EA 12" x 24" Hot Water Heating Coil, 1 Row Flanged Construction	1,406.71	125.78
For 10 Fins Per Inch, Add	23.12	
For 12 Fins Per Inch, Add	57.80	
For 230 PSIG Heavy Duty, Add	306.41	
23 82 16 11-0062 EA 24" x 30" Hot Water Heating Coil, 1 Row Flanged Construction	1,706.23	173.05
For 10 Fins Per Inch, Add	27.20	
For 12 Fins Per Inch, Add	68.00	
For 230 PSIG Heavy Duty, Add	375.87	
23 82 16 11-0063 EA 24" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	2,014.72	242.85
For 10 Fins Per Inch, Add	30.60	
For 12 Fins Per Inch, Add	76.50	
For 230 PSIG Heavy Duty, Add	451.42	
23 82 16 11-0064 EA 30" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	2,281.68	290.84
For 10 Fins Per Inch, Add	34.00	
For 12 Fins Per Inch, Add	85.00	
For 230 PSIG Heavy Duty, Add	514.51	
23 82 16 11-0065 EA 30" x 60" Hot Water Heating Coil, 1 Row Flanged Construction	2,665.09	363.55
For 10 Fins Per Inch, Add	38.76	
For 12 Fins Per Inch, Add	96.90	
For 230 PSIG Heavy Duty, Add	605.73	
23 82 16 11-0066 EA 30" x 72" Hot Water Heating Coil, 1 Row Flanged Construction	2,983.88	403.54
For 10 Fins Per Inch, Add	43.52	
For 12 Fins Per Inch, Add	108.80	
For 230 PSIG Heavy Duty, Add	677.57	
23 82 16 11-0067 EA 30" x 84" Hot Water Heating Coil, 1 Row Flanged Construction	3,700.00	469.20
For 10 Fins Per Inch, Add	55.16	
For 12 Fins Per Inch, Add	137.91	
For 230 PSIG Heavy Duty, Add	834.18	
23 82 16 11-0068 EA 34" x 32" Hot Water Heating Coil, 1 Row Flanged Construction	1,597.50	203.29
For 10 Fins Per Inch, Add	23.82	
For 12 Fins Per Inch, Add	59.54	
For 230 PSIG Heavy Duty, Add	360.17	
23 82 16 11-0069 EA 34" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	2,396.22	305.02
For 10 Fins Per Inch, Add	35.72	
For 12 Fins Per Inch, Add	89.31	
For 230 PSIG Heavy Duty, Add	540.24	
23 82 16 11-0070 EA 34" x 72" Hot Water Heating Coil, 1 Row Flanged Construction	3,602.10	461.34
For 10 Fins Per Inch, Add	53.59	
For 12 Fins Per Inch, Add	133.97	
For 230 PSIG Heavy Duty, Add	812.69	
23 82 16 11-0071 EA 34" x 84" Hot Water Heating Coil, 1 Row Flanged Construction	4,195.18	534.64
For 10 Fins Per Inch, Add	62.52	
For 12 Fins Per Inch, Add	156.30	
For 230 PSIG Heavy Duty, Add	945.96	



**23 Heating, Ventilating, And Air-Conditioning (HVAC)**

**23 80 Decentralized Unitary HVAC Equipment**

**23 82 Convection Heating And Cooling Units**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0072	SF		>15 SF Hot Water Heating Coil, 1 Row, Flanged Construction.....	190.69	26.90
			<i>For 10 Fins Per Inch, Add</i>	2.74	
			<i>For 12 Fins Per Inch, Add</i>	6.84	
			<i>For 230 PSIG Heavy Duty, Add</i>	43.52	
<b>23 82 16 11-0073</b>			<b>2 Row Hot Water Heating Coils</b> <small>(23 82 16 11-0058)</small>		
23 82 16 11-0074	EA		12" x 12" Hot Water Heating Coil, 2 Row Flanged Construction.....	1,534.36	121.43
			<i>For 10 Fins Per Inch, Add</i>	25.84	
			<i>For 12 Fins Per Inch, Add</i>	64.60	
			<i>For 230 PSIG Heavy Duty, Add</i>	331.11	
23 82 16 11-0075	EA		12" x 24" Hot Water Heating Coil, 2 Row Flanged Construction.....	1,649.15	161.42
			<i>For 10 Fins Per Inch, Add</i>	26.52	
			<i>For 12 Fins Per Inch, Add</i>	66.30	
			<i>For 230 PSIG Heavy Duty, Add</i>	362.15	
23 82 16 11-0076	EA		24" x 30" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,218.72	242.85
			<i>For 10 Fins Per Inch, Add</i>	34.68	
			<i>For 12 Fins Per Inch, Add</i>	86.70	
			<i>For 230 PSIG Heavy Duty, Add</i>	492.22	
23 82 16 11-0077	EA		24" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,664.47	346.10
			<i>For 10 Fins Per Inch, Add</i>	39.44	
			<i>For 12 Fins Per Inch, Add</i>	98.60	
			<i>For 230 PSIG Heavy Duty, Add</i>	602.14	
23 82 16 11-0078	EA		30" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	3,065.40	427.53
			<i>For 10 Fins Per Inch, Add</i>	44.20	
			<i>For 12 Fins Per Inch, Add</i>	110.50	
			<i>For 230 PSIG Heavy Duty, Add</i>	698.62	
23 82 16 11-0079	EA		30" x 60" Hot Water Heating Coil, 2 Row Flanged Construction.....	3,248.71	519.15
			<i>For 10 Fins Per Inch, Add</i>	44.20	
			<i>For 12 Fins Per Inch, Add</i>	110.50	
			<i>For 230 PSIG Heavy Duty, Add</i>	753.61	
23 82 16 11-0080	EA		30" x 72" Hot Water Heating Coil, 2 Row Flanged Construction.....	3,659.82	606.40
			<i>For 10 Fins Per Inch, Add</i>	48.96	
			<i>For 12 Fins Per Inch, Add</i>	122.40	
			<i>For 230 PSIG Heavy Duty, Add</i>	853.15	
23 82 16 11-0081	EA		30" x 84" Hot Water Heating Coil, 2 Row Flanged Construction.....	4,512.05	704.56
			<i>For 10 Fins Per Inch, Add</i>	62.06	
			<i>For 12 Fins Per Inch, Add</i>	155.15	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,043.32	
23 82 16 11-0082	EA		34" x 32" Hot Water Heating Coil, 2 Row Flanged Construction.....	1,947.62	304.00
			<i>For 10 Fins Per Inch, Add</i>	26.79	
			<i>For 12 Fins Per Inch, Add</i>	66.98	
			<i>For 230 PSIG Heavy Duty, Add</i>	450.32	
23 82 16 11-0083	EA		34" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,922.96	456.69
			<i>For 10 Fins Per Inch, Add</i>	40.19	
			<i>For 12 Fins Per Inch, Add</i>	100.48	
			<i>For 230 PSIG Heavy Duty, Add</i>	675.94	
23 82 16 11-0084	EA		34" x 72" Hot Water Heating Coil, 2 Row Flanged Construction.....	4,391.35	688.57
			<i>For 10 Fins Per Inch, Add</i>	60.29	
			<i>For 12 Fins Per Inch, Add</i>	150.71	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,015.98	
23 82 16 11-0085	EA		34" x 84" Hot Water Heating Coil, 2 Row Flanged Construction.....	5,125.30	804.32
			<i>For 10 Fins Per Inch, Add</i>	70.33	
			<i>For 12 Fins Per Inch, Add</i>	175.83	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,185.92	
<b>23 82 16 11-0086</b>			<b>Hot Water Preheat Coils For Multi-Zone Air Handling Units</b> <small>(23 82 16 11)</small>		
			Note: 2 Row coils. Coils are sized by air handling unit capacity.		
23 82 16 11-0087	EA		3,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	1,248.27	92.34
23 82 16 11-0088	EA		4,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	1,601.87	91.61
23 82 16 11-0089	EA		5,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	1,967.90	98.15
23 82 16 11-0090	EA		6,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	2,287.85	106.88
23 82 16 11-0091	EA		7,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	2,297.72	111.97
23 82 16 11-0092	EA		9,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	2,784.53	117.79
23 82 16 11-0093	EA		11,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	2,882.38	132.34
23 82 16 11-0094	EA		13,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	3,186.76	148.32
23 82 16 11-0095	EA		16,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	3,584.66	177.42
23 82 16 11-0096	EA		19,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	3,908.85	186.14
23 82 16 11-0097	EA		22,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	5,017.00	197.04
23 82 16 11-0098	EA		27,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	6,386.55	269.75
23 82 16 11-0099	EA		34,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	8,025.35	330.83
23 82 16 11-0100	EA		40,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	9,356.34	346.10
23 82 16 11-0101	EA		47,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	10,990.82	403.54
<b>23 82 16 12</b>			<b>Steam Air Coils</b> <small>(23 82 16)</small>		
<b>23 82 16 12-0001</b>			<b>Steam Heating Coils</b> <small>(23 82 16 12)</small>		
			Note: Flanged construction.		
23 82 16 12-0002	EA		12" x 12" Steam Heating Coils, 1 Row Flanged Construction.....	1,087.90	68.35
			<i>For 2 Row Coil, Add</i>	353.55	
			<i>For 4 Row Coil, Add</i>	928.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 12-0003 EA 12" x 24" Steam Heating Coils, 1 Row Flanged Construction..... <i>For 2 Row Coil, Add</i> <i>For 4 Row Coil, Add</i>	1,208.85 400.43 1,048.29	94.52
23 82 16 12-0004 EA 24" x 30" Steam Heating Coils, 1 Row Flanged Construction..... <i>For 2 Row Coil, Add</i> <i>For 4 Row Coil, Add</i>	1,596.18 546.49 1,422.37	169.41
23 82 16 12-0005 EA 24" x 48" Steam Heating Coils, 1 Row Flanged Construction..... <i>For 2 Row Coil, Add</i> <i>For 4 Row Coil, Add</i>	2,014.72 701.36 1,820.21	242.85
23 82 16 12-0006 EA 30" x 48" Steam Heating Coils, 1 Row Flanged Construction..... <i>For 2 Row Coil, Add</i> <i>For 4 Row Coil, Add</i>	2,247.68 790.64 2,048.27	290.84
23 82 16 12-0007 EA 30" x 60" Steam Heating Coils, 1 Row Flanged Construction..... <i>For 2 Row Coil, Add</i> <i>For 4 Row Coil, Add</i>	2,529.09 904.15 2,335.93	363.55
23 82 16 12-0008 EA 30" x 72" Steam Heating Coils, 1 Row Flanged Construction..... <i>For 2 Row Coil, Add</i> <i>For 4 Row Coil, Add</i>	2,779.88 995.54 2,571.30	403.54
23 82 16 12-0009 EA 30" x 84" Steam Heating Coils, 1 Row Flanged Construction..... <i>For 2 Row Coil, Add</i> <i>For 4 Row Coil, Add</i>	3,441.41 1,220.79 3,158.12	470.94
23 82 16 12-0010 EA 34" x 32" Steam Heating Coils, 1 Row Flanged Construction..... <i>For 2 Row Coil, Add</i> <i>For 4 Row Coil, Add</i>	1,485.85 527.09 1,363.54	203.29
23 82 16 12-0011 EA 34" x 48" Steam Heating Coils, 1 Row Flanged Construction..... <i>For 2 Row Coil, Add</i> <i>For 4 Row Coil, Add</i>	2,228.76 790.62 2,045.30	305.02
23 82 16 12-0012 EA 34" x 72" Steam Heating Coils, 1 Row Flanged Construction..... <i>For 2 Row Coil, Add</i> <i>For 4 Row Coil, Add</i>	3,341.61 1,185.17 3,066.07	456.69
23 82 16 12-0013 EA 34" x 84" Steam Heating Coils, 1 Row Flanged Construction..... <i>For 2 Row Coil, Add</i> <i>For 4 Row Coil, Add</i>	3,902.13 1,384.49 3,581.49	534.64

**23 82 16 13 Refrigerant Air Coils** (23 82 16)

**23 82 16 13-0001 Direct Expansion Cooling Coils** (23 82 16 13)  
Note: Flanged construction 16 gauge galvanized steel casing.

**23 82 16 13-0002 2 Row Direct Expansion Cooling Coils** (23 82 16 13-0001)

23 82 16 13-0003 EA 12" x 12" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	796.14 13.74 34.34	54.54
23 82 16 13-0004 EA 12" x 24" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	1,523.51 27.47 68.68	74.89
23 82 16 13-0005 EA 24" x 30" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	2,104.54 37.40 93.50	117.79
23 82 16 13-0006 EA 24" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	2,548.18 44.20 110.50	169.41
23 82 16 13-0007 EA 30" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	2,965.47 51.00 127.50	207.22
23 82 16 13-0008 EA 30" x 60" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	3,323.42 56.44 141.10	250.85
23 82 16 13-0009 EA 30" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	3,811.67 64.60 161.50	290.84
23 82 16 13-0010 EA 30" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	4,772.42 81.88 204.71	339.12
23 82 16 13-0011 EA 34" x 32" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	1,831.87 31.48 78.70	128.92
23 82 16 13-0012 EA 34" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	2,382.55 38.87 97.17	219.51
23 82 16 13-0013 EA 34" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	2,958.12 45.99 114.98	329.30
23 82 16 13-0014 EA 34" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	3,243.92 49.54 123.85	383.47

**23 82 16 13-0015 4 Row Direct Expansion Cooling Coils** (23 82 16 13-0001)

23 82 16 13-0016 EA 12" x 12" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing..... <i>For 10 Fins Per Inch, Add</i> <i>For 12 Fins Per Inch, Add</i>	1,317.67 23.32 58.31	75.61
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**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 13-0017	EA		12" x 24" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,883.03	109.06
			<i>For 10 Fins Per Inch, Add</i>	33.32	
			<i>For 12 Fins Per Inch, Add</i>	83.30	
23 82 16 13-0018	EA		24" x 30" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,573.54	181.77
			<i>For 10 Fins Per Inch, Add</i>	44.20	
			<i>For 12 Fins Per Inch, Add</i>	110.50	
23 82 16 13-0019	EA		24" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,156.57	269.75
			<i>For 10 Fins Per Inch, Add</i>	52.36	
			<i>For 12 Fins Per Inch, Add</i>	130.90	
23 82 16 13-0020	EA		30" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,652.98	330.83
			<i>For 10 Fins Per Inch, Add</i>	59.84	
			<i>For 12 Fins Per Inch, Add</i>	149.60	
23 82 16 13-0021	EA		30" x 60" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,343.87	404.27
			<i>For 10 Fins Per Inch, Add</i>	70.72	
			<i>For 12 Fins Per Inch, Add</i>	176.80	
23 82 16 13-0022	EA		30" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,845.44	484.97
			<i>For 10 Fins Per Inch, Add</i>	77.52	
			<i>For 12 Fins Per Inch, Add</i>	193.80	
23 82 16 13-0023	EA		30" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,754.48	564.52
			<i>For 10 Fins Per Inch, Add</i>	72.51	
			<i>For 12 Fins Per Inch, Add</i>	181.27	
23 82 16 13-0024	EA		34" x 32" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,969.10	243.66
			<i>For 10 Fins Per Inch, Add</i>	49.64	
			<i>For 12 Fins Per Inch, Add</i>	124.09	
23 82 16 13-0025	EA		34" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,797.26	366.46
			<i>For 10 Fins Per Inch, Add</i>	61.29	
			<i>For 12 Fins Per Inch, Add</i>	153.22	
23 82 16 13-0026	EA		34" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,754.48	644.58
			<i>For 10 Fins Per Inch, Add</i>	89.31	
			<i>For 12 Fins Per Inch, Add</i>	223.26	
23 82 16 13-0027	EA		34" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,591.59	751.17
			<i>For 10 Fins Per Inch, Add</i>	101.79	
			<i>For 12 Fins Per Inch, Add</i>	254.47	
<b>23 82 16 13-0028</b>			<b>6 Row Direct Expansion Cooling Coils</b> <small>(23 82 16 13-0001)</small>		
23 82 16 13-0029	EA		12" x 12" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,687.33	95.25
			<i>For 10 Fins Per Inch, Add</i>	29.92	
			<i>For 12 Fins Per Inch, Add</i>	74.80	
23 82 16 13-0030	EA		12" x 24" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	1,951.13	142.51
			<i>For 10 Fins Per Inch, Add</i>	33.32	
			<i>For 12 Fins Per Inch, Add</i>	83.30	
23 82 16 13-0031	EA		24" x 30" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,830.71	242.85
			<i>For 10 Fins Per Inch, Add</i>	46.92	
			<i>For 12 Fins Per Inch, Add</i>	117.30	
23 82 16 13-0032	EA		24" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,617.08	363.55
			<i>For 10 Fins Per Inch, Add</i>	57.80	
			<i>For 12 Fins Per Inch, Add</i>	144.50	
23 82 16 13-0033	EA		30" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,750.85	454.44
			<i>For 10 Fins Per Inch, Add</i>	76.84	
			<i>For 12 Fins Per Inch, Add</i>	192.10	
23 82 16 13-0034	EA		30" x 60" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,402.58	559.15
			<i>For 10 Fins Per Inch, Add</i>	85.68	
			<i>For 12 Fins Per Inch, Add</i>	214.20	
23 82 16 13-0035	EA		30" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,285.97	660.94
			<i>For 10 Fins Per Inch, Add</i>	99.28	
			<i>For 12 Fins Per Inch, Add</i>	248.20	
23 82 16 13-0036	EA		30" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,002.57	770.22
			<i>For 10 Fins Per Inch, Add</i>	89.24	
			<i>For 12 Fins Per Inch, Add</i>	223.11	
23 82 16 13-0037	EA		34" x 32" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,720.32	332.94
			<i>For 10 Fins Per Inch, Add</i>	61.09	
			<i>For 12 Fins Per Inch, Add</i>	152.72	
23 82 16 13-0038	EA		34" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,770.19	499.37
			<i>For 10 Fins Per Inch, Add</i>	75.43	
			<i>For 12 Fins Per Inch, Add</i>	188.57	
23 82 16 13-0039	EA		34" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,952.26	744.99
			<i>For 10 Fins Per Inch, Add</i>	89.25	
			<i>For 12 Fins Per Inch, Add</i>	223.12	
23 82 16 13-0040	EA		34" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,554.55	873.90
			<i>For 10 Fins Per Inch, Add</i>	96.13	
			<i>For 12 Fins Per Inch, Add</i>	240.34	
<b>23 82 16 13-0041</b>			<b>8 Row Direct Expansion Cooling Coils</b> <small>(23 82 16 13-0001)</small>		
23 82 16 13-0042	EA		12" x 12" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,100.81	114.88
			<i>For 10 Fins Per Inch, Add</i>	37.40	
			<i>For 12 Fins Per Inch, Add</i>	93.50	
23 82 16 13-0043	EA		12" x 24" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	2,530.67	177.42
			<i>For 10 Fins Per Inch, Add</i>	43.52	
			<i>For 12 Fins Per Inch, Add</i>	108.80	
23 82 16 13-0044	EA		24" x 30" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,777.24	316.29
			<i>For 10 Fins Per Inch, Add</i>	62.90	
			<i>For 12 Fins Per Inch, Add</i>	157.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 13-0045 EA 24" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,015.44	484.97
For 10 Fins Per Inch, Add	80.92	
For 12 Fins Per Inch, Add	202.30	
23 82 16 13-0046 EA 30" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,022.81	606.40
For 10 Fins Per Inch, Add	96.22	
For 12 Fins Per Inch, Add	240.55	
23 82 16 13-0047 EA 30" x 60" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,996.16	727.10
For 10 Fins Per Inch, Add	110.84	
For 12 Fins Per Inch, Add	277.10	
23 82 16 13-0048 EA 30" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	8,041.74	807.81
For 10 Fins Per Inch, Add	128.52	
For 12 Fins Per Inch, Add	321.30	
23 82 16 13-0049 EA 30" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,893.84	937.01
For 10 Fins Per Inch, Add	100.40	
For 12 Fins Per Inch, Add	250.99	
23 82 16 13-0050 EA 34" x 32" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,247.80	405.72
For 10 Fins Per Inch, Add	68.73	
For 12 Fins Per Inch, Add	171.82	
23 82 16 13-0051 EA 34" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,462.81	609.96
For 10 Fins Per Inch, Add	84.86	
For 12 Fins Per Inch, Add	212.14	
23 82 16 13-0052 EA 34" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,856.20	918.04
For 10 Fins Per Inch, Add	100.40	
For 12 Fins Per Inch, Add	251.00	
23 82 16 13-0053 EA 34" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	7,546.12	1,069.28
For 10 Fins Per Inch, Add	108.15	
For 12 Fins Per Inch, Add	270.38	

**23 82 16 14 Electric-Resistance Air Coils (23 82 16)****23 82 16 14-0001 Standard Electric Slip-In Blast Coil Heater (23 82 16 14)****23 82 16 14-0002 Electric Slip-In Blast Coil Heater With Open Coil Element (23 82 16 14-0001)**

23 82 16 14-0003 EA 1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	294.30	49.67
23 82 16 14-0004 EA 1 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	302.57	53.54
23 82 16 14-0005 EA 2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	312.34	58.70
23 82 16 14-0006 EA 3 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	315.63	60.63
23 82 16 14-0007 EA 4 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	324.07	64.51
23 82 16 14-0008 EA 5 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	333.78	69.66
23 82 16 14-0009 EA 6 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	384.33	78.05
23 82 16 14-0010 EA 7 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	392.21	81.93
23 82 16 14-0011 EA 8 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	398.65	84.50
23 82 16 14-0012 EA 9 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	408.09	89.66
23 82 16 14-0013 EA 10 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	446.49	94.82
23 82 16 14-0014 EA 12-1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	464.86	103.86
23 82 16 14-0015 EA 15 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	483.10	112.88
23 82 16 14-0016 EA 20 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	502.18	121.91
23 82 16 14-0017 EA 30 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	687.96	170.29
23 82 16 14-0018 EA 40 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,227.91	181.26
23 82 16 14-0019 EA 50 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,349.68	207.71
23 82 16 14-0020 EA 60 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,594.69	230.29
23 82 16 14-0021 EA 70 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,673.22	250.28
23 82 16 14-0022 EA 80 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,833.35	274.79
23 82 16 14-0023 EA 90 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	2,252.18	293.50
23 82 16 14-0024 EA 100 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	2,474.21	315.43
23 82 16 14-0025 EA 125 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	3,004.08	340.59
23 82 16 14-0026 EA 150 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	3,383.35	370.26

**23 82 16 14-0027 Electric Slip-In Blast Coil Heater With Finned Tubular Element (23 82 16 14-0001)**

23 82 16 14-0028 EA 1 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	800.18	70.95
23 82 16 14-0029 EA 2 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	833.83	77.41
23 82 16 14-0030 EA 3 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	853.74	77.41
23 82 16 14-0031 EA 4 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	889.35	85.14
23 82 16 14-0032 EA 5 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,221.76	85.14
23 82 16 14-0033 EA 6 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,253.60	85.14
23 82 16 14-0034 EA 8 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,267.94	94.82
23 82 16 14-0035 EA 9 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,285.85	106.44
23 82 16 14-0036 EA 10 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,303.77	106.44
23 82 16 14-0037 EA 15 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,515.90	121.91
23 82 16 14-0038 EA 20 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,826.40	121.91
23 82 16 14-0039 EA 30 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,982.51	141.91
23 82 16 14-0040 EA 40 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	2,716.98	141.91

**23 82 19 Fan Coil Units (23 82)****23 82 19 00-0001 Ceiling Suspended Horizontal Fan Coil Units (23 82 19)**

Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds. Excludes supports.

**23 82 19 00-0002 Horizontal Fan Coil Units With Electric Heating Coil (23 82 19 00-0001)**

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 19 00-0003	EA		200 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet .....	1,620.80	117.79
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-46.73	
23 82 19 00-0004	EA		300 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet .....	1,778.16	137.42
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-48.72	
23 82 19 00-0005	EA		400 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet .....	1,966.88	154.88
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-50.47	
23 82 19 00-0006	EA		600 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet .....	2,283.38	177.42
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-52.73	
23 82 19 00-0007	EA		800 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet .....	2,572.79	186.14
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-92.97	
23 82 19 00-0008	EA		1,000 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet .....	3,557.30	197.04
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-94.48	
23 82 19 00-0009	EA		1,200 CFM Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet .....	4,345.38	213.77
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-97.08	
<b>23 82 19 00-0010</b>			<b>Horizontal Fan Coil Units With Hot Water Heating Coil</b> <small>(23 82 19 00-0001)</small>		
23 82 19 00-0011	EA		200 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet .....	844.80	117.79
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-46.73	
23 82 19 00-0012	EA		300 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet .....	1,033.81	137.42
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-48.72	
23 82 19 00-0013	EA		400 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet .....	1,234.57	154.88
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-50.47	
23 82 19 00-0014	EA		600 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet .....	2,464.19	177.42
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-52.73	
23 82 19 00-0015	EA		800 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet .....	2,783.74	186.86
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-92.97	
23 82 19 00-0016	EA		1,000 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet .....	3,858.66	197.04
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-94.48	
23 82 19 00-0017	EA		1,200 CFM Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet .....	4,917.96	213.77
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-97.08	
<b>23 82 19 00-0018</b>			<b>Floor Mounted Vertical Fan Coil Units</b> <small>(23 82 19)</small>		
			Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds.		
<b>23 82 19 00-0019</b>			<b>Vertical Fan Coil Units With Electric Heating Coil</b> <small>(23 82 19 00-0018)</small>		
23 82 19 00-0020	EA		200 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet .....	1,560.53	117.06
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-210.62	
			<i>For Thru-Wall Sleeve, Add</i>	101.91	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-46.73	
23 82 19 00-0021	EA		300 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet .....	1,781.18	137.42
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-239.74	
			<i>For Thru-Wall Sleeve, Add</i>	109.88	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-48.72	
23 82 19 00-0022	EA		400 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet .....	2,117.56	154.88
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-286.69	
			<i>For Thru-Wall Sleeve, Add</i>	116.88	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-50.47	
23 82 19 00-0023	EA		600 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet .....	2,434.06	177.42
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-329.64	
			<i>For Thru-Wall Sleeve, Add</i>	125.94	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-52.73	
23 82 19 00-0024	EA		800 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet .....	2,753.61	186.86
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-375.75	
			<i>For Thru-Wall Sleeve, Add</i>	129.57	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-92.97	
23 82 19 00-0025	EA		1,000 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet .....	3,557.30	197.04
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-494.29	
			<i>For Thru-Wall Sleeve, Add</i>	133.61	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-94.48	
23 82 19 00-0026	EA		1,200 CFM Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet .....	4,194.70	213.77
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-586.43	
			<i>For Thru-Wall Sleeve, Add</i>	140.54	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-97.08	
<b>23 82 19 00-0027</b>			<b>Vertical Fan Coil Units With Hot Water Heating Coil</b> <small>(23 82 19 00-0018)</small>		
23 82 19 00-0028	EA		200 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet .....	1,741.35	117.06
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-237.75	
			<i>For Thru-Wall Sleeve, Add</i>	101.91	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-46.73	
23 82 19 00-0029	EA		300 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet .....	1,961.99	137.42
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-266.86	
			<i>For Thru-Wall Sleeve, Add</i>	109.88	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-48.72	
23 82 19 00-0030	EA		400 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet .....	2,418.91	154.88
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-331.90	
			<i>For Thru-Wall Sleeve, Add</i>	116.88	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-50.47	
23 82 19 00-0031	EA		600 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet .....	2,765.55	177.42
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-379.36	
			<i>For Thru-Wall Sleeve, Add</i>	125.94	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-52.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 19 00-0032 EA 800 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet ..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	3,085.10 -425.48 129.57 -92.97	186.86
23 82 19 00-0033 EA 1,000 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet ..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	3,707.98 -516.89 133.61 -94.48	197.04
23 82 19 00-0034 EA 1,200 CFM Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet ..... <i>For Fan Coil Units Without Cabinet, Deduct</i> <i>For Thru-Wall Sleeve, Add</i> <i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	4,345.38 -609.04 140.54 -97.08	213.77
<b>23 82 19 00-0035 Removal And Reinstallation Of Fan Coil Units</b> (23 82 19) Note: Includes storage and cleaning. Excludes supports.		
23 82 19 00-0036 EA Removal And Reinstallation Of Fan Coil Unit Horizontal Or Vertical .....	309.14	
<b>23 82 29 Radiators</b> (23 82)		
<b>23 82 29 00-0001 Demolish Cast Iron Radiators</b> (23 82 29)		
23 82 29 00-0002 LF Demolish Cast Iron Radiator .....	21.24	
23 82 29 00-0003 EA Cap Radiator .....	32.98	
<b>23 82 29 00-0004 Cast Iron Radiator</b> (23 82 29)		
23 82 29 00-0005 EA 19" High Cast Iron Radiator Section, Free Standing ..... <i>For Wall Support Bracket, Add</i>	42.62 24.02	
23 82 29 00-0006 EA 25" High Cast Iron Radiator Section, Free Standing ..... <i>For Wall Support Bracket, Add</i>	62.05 24.96	
23 82 29 00-0007 EA 30" High Cast Iron Radiator Section, Free Standing .....	72.76	
23 82 29 00-0008 EA 36" High Cast Iron Radiator Section, Free Standing .....	92.67	
23 82 29 00-0009 EA 20" High Cast Iron Radiator Section, Recessed With Grille .....	58.11	
<b>23 82 29 00-0010 Radiator Covers</b> (23 82 29) Note: Includes field cutouts, vent grilles, and insulation backing. To calculate quantity, measure the surface area of front, top and sides.		
23 82 29 00-0011 SF 14 Gauge Stainless Steel Radiator Cover .....	74.40	3.51
23 82 29 00-0012 SF Primed And Painted, Galvanized Steel Radiator Cover .....	46.32	3.51
<b>23 82 29 00-0013 Radiator Shields</b> (23 82 29)		
23 82 29 00-0014 SF Stainless Steel Radiator Shield .....	46.01	3.51
23 82 29 00-0015 SF Primed And Painted, Galvanized Steel Radiator Shield .....	26.70	3.51
<b>23 82 29 00-0016 Remove And Reinstall Radiator</b> (23 82 29) Note: Includes storage and cleaning.		
23 82 29 00-0017 LF Removal And Reinstallation Of Cast Iron Radiator .....	54.54	
23 82 29 00-0018 LF Removal And Reinstallation Of Electric Radiator .....	36.35	
<b>23 82 33 Convectors</b> (23 82)		
<b>23 82 33 00-0001 Multi-Fin Convectors For Two-Pipe System</b> (23 82 33) Note: Complete with 6-1/4" deep cabinet enclosure.		
<b>23 82 33 00-0002 20" High Multi-Fin Convectors For Two-Pipe System</b> (23 82 33 00-0001)		
23 82 33 00-0003 EA 20" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet ..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	389.81 15.00 42.36 34.24 15.00 18.00 94.02	79.98
23 82 33 00-0004 EA 20" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet ..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	460.51 15.00 45.66 36.44 15.00 18.00 114.91	87.26
23 82 33 00-0005 EA 20" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet ..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	529.38 15.00 52.89 41.26 15.00 18.00 130.58	103.24

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0006	EA		20" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	634.51	119.97
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	60.53	
			<i>For Snap-On Inlet Grille, Add</i>	46.35	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	158.46	
23 82 33 00-0007	EA		20" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	756.49	143.97
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	71.42	
			<i>For Snap-On Inlet Grille, Add</i>	53.62	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	188.44	
23 82 33 00-0008	EA		20" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	851.71	158.36
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	77.96	
			<i>For Snap-On Inlet Grille, Add</i>	57.98	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	214.14	
23 82 33 00-0009	EA		20" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	988.24	191.95
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	93.23	
			<i>For Snap-On Inlet Grille, Add</i>	68.15	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	244.12	
23 82 33 00-0010	EA		20" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,079.84	203.95
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	98.68	
			<i>For Snap-On Inlet Grille, Add</i>	71.79	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	269.82	
23 82 33 00-0011	EA		20" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,177.34	227.95
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	109.58	
			<i>For Snap-On Inlet Grille, Add</i>	79.05	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	291.23	
23 82 33 00-0012	EA		20" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,299.38	251.94
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	120.49	
			<i>For Snap-On Inlet Grille, Add</i>	86.33	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	321.21	
23 82 33 00-0013	EA		20" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,396.90	275.93
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	131.39	
			<i>For Snap-On Inlet Grille, Add</i>	93.59	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	342.63	
<b>23 82 33 00-0014</b>			<b>26" High Multi-Fin Convectors For Two-Pipe System</b> (23 82 33 00-0001)		
23 82 33 00-0015	EA		26" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	456.26	105.21
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	53.34	
			<i>For Snap-On Inlet Grille, Add</i>	41.56	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	104.46	
23 82 33 00-0016	EA		26" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	535.98	122.23
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	60.97	
			<i>For Snap-On Inlet Grille, Add</i>	46.65	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	123.46	
23 82 33 00-0017	EA		26" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	649.26	143.53
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	70.54	
			<i>For Snap-On Inlet Grille, Add</i>	53.02	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	151.95	
23 82 33 00-0018	EA		26" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	762.54	160.04
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	77.94	
			<i>For Snap-On Inlet Grille, Add</i>	57.96	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	182.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0019 EA 26" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	891.32	179.96
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	86.91	
For Snap-On Inlet Grille, Add	63.94	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	217.57	
23 82 33 00-0020 EA 26" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	998.63	194.94
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	93.67	
For Snap-On Inlet Grille, Add	68.45	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	247.24	
23 82 33 00-0021 EA 26" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,138.82	222.13
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	106.06	
For Snap-On Inlet Grille, Add	76.71	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	281.85	
23 82 33 00-0022 EA 26" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,243.69	235.72
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	112.09	
For Snap-On Inlet Grille, Add	80.73	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	311.52	
23 82 33 00-0023 EA 26" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,345.81	257.03
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	121.54	
For Snap-On Inlet Grille, Add	87.02	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	336.24	
23 82 33 00-0024 EA 26" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,476.51	277.90
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	131.08	
For Snap-On Inlet Grille, Add	93.38	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	370.86	
23 82 33 00-0025 EA 26" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,575.76	297.02
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	139.66	
For Snap-On Inlet Grille, Add	99.11	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	395.58	
<b>23 82 33 00-0026 32" High Multi-Fin Convectors For Two-Pipe System</b> <small>(23 82 33 00-0001)</small>		
23 82 33 00-0027 EA 32" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	522.10	127.97
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	64.14	
For Snap-On Inlet Grille, Add	48.76	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	114.91	
23 82 33 00-0028 EA 32" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	622.56	154.88
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	76.37	
For Snap-On Inlet Grille, Add	56.91	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	135.80	
23 82 33 00-0029 EA 32" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	751.72	181.05
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	88.25	
For Snap-On Inlet Grille, Add	64.83	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	167.14	
23 82 33 00-0030 EA 32" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	873.09	196.75
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	95.43	
For Snap-On Inlet Grille, Add	69.62	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	201.25	
23 82 33 00-0031 EA 32" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,005.62	212.61
For Knob Operated Damper, Add	15.00	
For Metal Trim Strips, Add	102.55	
For Snap-On Inlet Grille, Add	74.37	
For Access Doors Hinged, Add	15.00	
For Air Chamber, Auto-vent, Add	18.00	
For 3 Tubes System, Add	239.32	



**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0032	EA		32" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,122.27	227.95
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	109.58	
			<i>For Snap-On Inlet Grille, Add</i>	79.05	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	271.96	
23 82 33 00-0033	EA		32" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,260.29	247.14
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	118.34	
			<i>For Snap-On Inlet Grille, Add</i>	84.90	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	310.03	
23 82 33 00-0034	EA		32" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,377.68	262.99
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	125.59	
			<i>For Snap-On Inlet Grille, Add</i>	89.73	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	342.67	
23 82 33 00-0035	EA		32" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,481.56	280.73
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	133.44	
			<i>For Snap-On Inlet Grille, Add</i>	94.96	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	369.86	
23 82 33 00-0036	EA		32" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,616.48	297.53
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	141.28	
			<i>For Snap-On Inlet Grille, Add</i>	100.19	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	407.94	
23 82 33 00-0037	EA		32" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	1,715.63	311.93
			<i>For Knob Operated Damper, Add</i>	15.00	
			<i>For Metal Trim Strips, Add</i>	147.72	
			<i>For Snap-On Inlet Grille, Add</i>	104.48	
			<i>For Access Doors Hinged, Add</i>	15.00	
			<i>For Air Chamber, Auto-vent, Add</i>	18.00	
			<i>For 3 Tubes System, Add</i>	435.13	
23 82 33 00-0038			<b>Electric Convectors, Floor Standing Units</b> <small>(23 82 33)</small>		
23 82 33 00-0039			<b>4" Deep Electric Convectors</b> <small>(23 82 33 00-0038)</small>		
23 82 33 00-0040	EA		38" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units.....	473.08	69.33
23 82 33 00-0041	EA		50" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units.....	528.71	69.33
23 82 33 00-0042			<b>6" Deep Electric Convectors</b> <small>(23 82 33 00-0038)</small>		
23 82 33 00-0043	EA		38" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units.....	554.39	69.33
23 82 33 00-0044	EA		50" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units.....	639.98	69.33
23 82 33 00-0045	EA		62" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units.....	714.87	69.33
23 82 33 00-0046	EA		74" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units.....	832.55	69.33
23 82 36			<b>Finned-Tube Radiation Heaters</b> <small>(23 82)</small>		
23 82 36 00-0001			<b>Finned Tube Baseboard Units</b> <small>(23 82 36)</small>		
			Note: Complete with steel enclosure. Single heating element.		
23 82 36 00-0002			<b>3/4" IPS Steel Tube With Steel Fins</b> <small>(23 82 36 00-0001)</small>		
23 82 36 00-0003	EA		4' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	241.65	28.36
			<i>For 90 Degree Corner, Add</i>	37.44	
			<i>For Valve Enclosure, Add</i>	37.44	
			<i>For Filler Piece, Add</i>	30.44	
			<i>For End Cap, Add</i>	25.83	
			<i>For Copper Tube With Aluminum Fins, Add</i>	5.75	
23 82 36 00-0004	EA		6' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	321.94	42.90
			<i>For 90 Degree Corner, Add</i>	43.05	
			<i>For Valve Enclosure, Add</i>	43.05	
			<i>For Filler Piece, Add</i>	36.05	
			<i>For End Cap, Add</i>	29.48	
			<i>For Copper Tube With Aluminum Fins, Add</i>	8.62	
23 82 36 00-0005	EA		8' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	390.69	56.71
			<i>For 90 Degree Corner, Add</i>	46.35	
			<i>For Valve Enclosure, Add</i>	46.35	
			<i>For Filler Piece, Add</i>	39.35	
			<i>For End Cap, Add</i>	31.63	
			<i>For Copper Tube With Aluminum Fins, Add</i>	11.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0006 EA 10' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	486.63	79.40
<i>For 90 Degree Corner, Add</i>	55.37	
<i>For Valve Enclosure, Add</i>	55.37	
<i>For Filler Piece, Add</i>	48.37	
<i>For End Cap, Add</i>	37.49	
<i>For Copper Tube With Aluminum Fins, Add</i>	14.29	
23 82 36 00-0007 EA 12' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	581.91	95.39
<i>For 90 Degree Corner, Add</i>	64.53	
<i>For Valve Enclosure, Add</i>	64.53	
<i>For Filler Piece, Add</i>	57.53	
<i>For End Cap, Add</i>	43.44	
<i>For Copper Tube With Aluminum Fins, Add</i>	17.01	
23 82 36 00-0008 EA 14' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	661.95	101.79
<i>For 90 Degree Corner, Add</i>	68.17	
<i>For Valve Enclosure, Add</i>	68.17	
<i>For Filler Piece, Add</i>	61.17	
<i>For End Cap, Add</i>	45.81	
<i>For Copper Tube With Aluminum Fins, Add</i>	20.41	
23 82 36 00-0009 EA 16' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	729.61	112.48
<i>For 90 Degree Corner, Add</i>	74.28	
<i>For Valve Enclosure, Add</i>	74.28	
<i>For Filler Piece, Add</i>	67.28	
<i>For End Cap, Add</i>	49.78	
<i>For Copper Tube With Aluminum Fins, Add</i>	22.45	
23 82 36 00-0010 EA 18' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	833.62	127.25
<i>For 90 Degree Corner, Add</i>	82.71	
<i>For Valve Enclosure, Add</i>	82.71	
<i>For Filler Piece, Add</i>	75.71	
<i>For End Cap, Add</i>	55.26	
<i>For Copper Tube With Aluminum Fins, Add</i>	25.85	
23 82 36 00-0011 EA 20' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	919.49	139.97
<i>For 90 Degree Corner, Add</i>	89.99	
<i>For Valve Enclosure, Add</i>	89.99	
<i>For Filler Piece, Add</i>	82.99	
<i>For End Cap, Add</i>	59.99	
<i>For Copper Tube With Aluminum Fins, Add</i>	28.58	
<b>23 82 36 00-0012 1" IPS Steel Tube With Steel Fins <small>(23 82 36 00-0001)</small></b>		
23 82 36 00-0013 EA 4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	286.42	28.36
<i>For 90 Degree Corner, Add</i>	37.44	
<i>For Valve Enclosure, Add</i>	37.44	
<i>For Filler Piece, Add</i>	30.44	
<i>For End Cap, Add</i>	25.83	
<i>For Copper Tube With Aluminum Fins, Add</i>	8.21	
23 82 36 00-0014 EA 6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	389.10	42.90
<i>For 90 Degree Corner, Add</i>	43.05	
<i>For Valve Enclosure, Add</i>	43.05	
<i>For Filler Piece, Add</i>	36.05	
<i>For End Cap, Add</i>	29.48	
<i>For Copper Tube With Aluminum Fins, Add</i>	12.31	
23 82 36 00-0015 EA 8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	480.24	56.71
<i>For 90 Degree Corner, Add</i>	46.35	
<i>For Valve Enclosure, Add</i>	46.35	
<i>For Filler Piece, Add</i>	39.35	
<i>For End Cap, Add</i>	31.63	
<i>For Copper Tube With Aluminum Fins, Add</i>	16.42	
23 82 36 00-0016 EA 10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	598.05	79.40
<i>For 90 Degree Corner, Add</i>	55.39	
<i>For Valve Enclosure, Add</i>	55.39	
<i>For Filler Piece, Add</i>	48.39	
<i>For End Cap, Add</i>	37.50	
<i>For Copper Tube With Aluminum Fins, Add</i>	20.41	
23 82 36 00-0017 EA 12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	714.34	95.39
<i>For 90 Degree Corner, Add</i>	64.51	
<i>For Valve Enclosure, Add</i>	64.51	
<i>For Filler Piece, Add</i>	57.51	
<i>For End Cap, Add</i>	43.43	
<i>For Copper Tube With Aluminum Fins, Add</i>	24.30	
23 82 36 00-0018 EA 14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	821.01	101.79
<i>For 90 Degree Corner, Add</i>	68.17	
<i>For Valve Enclosure, Add</i>	68.17	
<i>For Filler Piece, Add</i>	61.17	
<i>For End Cap, Add</i>	45.81	
<i>For Copper Tube With Aluminum Fins, Add</i>	29.16	
23 82 36 00-0019 EA 16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	904.33	112.48
<i>For 90 Degree Corner, Add</i>	74.23	
<i>For Valve Enclosure, Add</i>	74.23	
<i>For Filler Piece, Add</i>	67.23	
<i>For End Cap, Add</i>	49.75	
<i>For Copper Tube With Aluminum Fins, Add</i>	32.07	

**23 Heating, Ventilating, And Air-Conditioning (HVAC)**

**23 80 Decentralized Unitary HVAC Equipment**

**23 82 Convection Heating And Cooling Units**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0020	EA		18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element ..... <i>For 90 Degree Corner, Add</i> <i>For Valve Enclosure, Add</i> <i>For Filler Piece, Add</i> <i>For End Cap, Add</i> <i>For Copper Tube With Aluminum Fins, Add</i>	1,035.10 82.71 82.71 75.71 55.26 36.94	127.25
23 82 36 00-0021	EA		20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element ..... <i>For 90 Degree Corner, Add</i> <i>For Valve Enclosure, Add</i> <i>For Filler Piece, Add</i> <i>For End Cap, Add</i> <i>For Copper Tube With Aluminum Fins, Add</i>	1,141.74 89.90 89.90 82.90 59.94 40.82	139.97
<b>23 82 36 00-0022</b>			<b>1-1/4" IPS Steel Tube With Steel Fins</b> <small>(23 82 36 00-0001)</small>		
23 82 36 00-0023	EA		4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element ..... <i>For 90 Degree Corner, Add</i> <i>For Valve Enclosure, Add</i> <i>For Filler Piece, Add</i> <i>For End Cap, Add</i> <i>For Copper Tube With Aluminum Fins, Add</i>	331.19 37.44 37.44 30.44 25.83 10.67	28.36
23 82 36 00-0024	EA		6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element ..... <i>For 90 Degree Corner, Add</i> <i>For Valve Enclosure, Add</i> <i>For Filler Piece, Add</i> <i>For End Cap, Add</i> <i>For Copper Tube With Aluminum Fins, Add</i>	456.25 43.05 43.05 36.05 29.48 16.01	42.90
23 82 36 00-0025	EA		8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element ..... <i>For 90 Degree Corner, Add</i> <i>For Valve Enclosure, Add</i> <i>For Filler Piece, Add</i> <i>For End Cap, Add</i> <i>For Copper Tube With Aluminum Fins, Add</i>	569.77 46.35 46.35 39.35 31.63 21.34	56.71
23 82 36 00-0026	EA		10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element ..... <i>For 90 Degree Corner, Add</i> <i>For Valve Enclosure, Add</i> <i>For Filler Piece, Add</i> <i>For End Cap, Add</i> <i>For Copper Tube With Aluminum Fins, Add</i>	709.38 55.39 55.39 48.39 37.50 26.53	79.40
23 82 36 00-0027	EA		12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element ..... <i>For 90 Degree Corner, Add</i> <i>For Valve Enclosure, Add</i> <i>For Filler Piece, Add</i> <i>For End Cap, Add</i> <i>For Copper Tube With Aluminum Fins, Add</i>	846.88 64.51 64.51 57.51 43.43 31.59	95.39
23 82 36 00-0028	EA		14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element ..... <i>For 90 Degree Corner, Add</i> <i>For Valve Enclosure, Add</i> <i>For Filler Piece, Add</i> <i>For End Cap, Add</i> <i>For Copper Tube With Aluminum Fins, Add</i>	980.06 68.17 68.17 61.17 45.81 37.91	101.79
23 82 36 00-0029	EA		16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element ..... <i>For 90 Degree Corner, Add</i> <i>For Valve Enclosure, Add</i> <i>For Filler Piece, Add</i> <i>For End Cap, Add</i> <i>For Copper Tube With Aluminum Fins, Add</i>	1,079.29 74.23 74.23 67.23 49.75 41.70	112.48
23 82 36 00-0030	EA		18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element ..... <i>For 90 Degree Corner, Add</i> <i>For Valve Enclosure, Add</i> <i>For Filler Piece, Add</i> <i>For End Cap, Add</i> <i>For Copper Tube With Aluminum Fins, Add</i>	1,236.56 82.71 82.71 75.71 55.26 48.02	127.25
23 82 36 00-0031	EA		20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element ..... <i>For 90 Degree Corner, Add</i> <i>For Valve Enclosure, Add</i> <i>For Filler Piece, Add</i> <i>For End Cap, Add</i> <i>For Copper Tube With Aluminum Fins, Add</i>	1,364.41 89.90 89.90 82.90 59.94 53.07	139.97
<b>23 82 36 00-0032</b>			<b>Electric Baseboard Heating</b> <small>(23 82 36)</small> Note: Includes 24 gauge steel enclosure and heating element		
<b>23 82 36 00-0033</b>			<b>Electric Wall Heating 10" Enclosure</b> <small>(23 82 36 00-0032)</small>		
23 82 36 00-0034	LF		Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element <250 Watts/FT.....	91.91	38.52
23 82 36 00-0035	LF		Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element >= 250 Watts/FT.....	94.48	38.52
<b>23 82 36 00-0036</b>			<b>Electric Wall Heating 16" Enclosure</b> <small>(23 82 36 00-0032)</small>		
23 82 36 00-0037	LF		Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element <350 Watts/FT.....	117.59	38.52
23 82 36 00-0038	LF		Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element >= 350 Watts/FT.....	124.01	38.52

**23 82 39 Unit Heaters** (23 82)



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 82 39 13 Cabinet Unit Heaters <small>(23 82 39)</small></b>				
23 82 39 13-0001		<b>Electric Cabinet Unit Heaters <small>(23 82 39 13)</small></b> <small>Note: Can be mounted on the ceiling, floor or wall. Includes built-in thermostat. 208, 240/208, 277, or 480 Volt.</small>		
23 82 39 13-0002		<b>Electric Cabinet Unit Heaters, 35" Cabinet Length <small>(23 82 39 13-0001)</small></b>		
23 82 39 13-0003	EA	2 KW, 250 CFM, 35" Electric Cabinet Unit Heater ..... <small>Note: Wall or floor mounted.</small>	2,513.90	87.54
23 82 39 13-0004	EA	3 KW, 250 CFM, 35" Electric Cabinet Unit Heater ..... <small>Note: Wall or floor mounted.</small>	2,534.42	87.54
23 82 39 13-0005	EA	4 KW, 250 CFM, 35" Electric Cabinet Unit Heater ..... <small>Note: Wall or floor mounted.</small>	2,554.95	87.54
23 82 39 13-0006	EA	5 KW, 250 CFM, 35" Electric Cabinet Unit Heater ..... <small>Note: Wall or floor mounted.</small>	2,575.46	87.54
23 82 39 13-0007	EA	6 KW, 250 CFM, 35" Electric Cabinet Unit Heater ..... <small>Note: Wall or floor mounted.</small>	2,595.99	87.54
23 82 39 13-0008	EA	7 KW, 250 CFM, 35" Electric Cabinet Unit Heater ..... <small>Note: Wall or floor mounted.</small>	2,616.52	87.54
23 82 39 13-0009	EA	8 KW, 250 CFM, 35" Electric Cabinet Unit Heater .....	2,637.86	87.54
23 82 39 13-0010	EA	For Ceiling Installation of 35" Cabinet Unit Heater, Add .....	116.95	58.13
23 82 39 13-0011		<b>Electric Cabinet Unit Heaters, 45" Cabinet Length <small>(23 82 39 13-0001)</small></b>		
23 82 39 13-0012	EA	4 KW, 500 CFM, 45" Electric Cabinet Unit Heater ..... <small>Note: Wall or floor mounted.</small>	2,659.74	105.04
23 82 39 13-0013	EA	6 KW, 500 CFM, 45" Electric Cabinet Unit Heater ..... <small>Note: Wall or floor mounted.</small>	2,700.79	105.04
23 82 39 13-0014	EA	8 KW, 500 CFM, 45" Electric Cabinet Unit Heater ..... <small>Note: Wall or floor mounted.</small>	2,741.83	105.04
23 82 39 13-0015	EA	10 KW, 500 CFM, 45" Electric Cabinet Unit Heater ..... <small>Note: Wall or floor mounted.</small>	2,782.89	105.04
23 82 39 13-0016	EA	12 KW, 500 CFM, 45" Electric Cabinet Unit Heater ..... <small>Note: Wall or floor mounted.</small>	2,823.92	105.04
23 82 39 13-0017	EA	14 KW, 500 CFM, 45" Electric Cabinet Unit Heater ..... <small>Note: Wall or floor mounted.</small>	2,864.98	105.04
23 82 39 13-0018	EA	16 KW, 500 CFM, 45" Electric Cabinet Unit Heater ..... <small>Note: Wall or floor mounted.</small>	2,906.02	105.04
23 82 39 13-0019	EA	For Ceiling Installation of 45" Cabinet Unit Heater, Add .....	140.06	70.03
23 82 39 13-0020		<b>Electric Cabinet Unit Heaters, 58" Cabinet Length <small>(23 82 39 13-0001)</small></b>		
23 82 39 13-0021	EA	6 KW, 750 CFM, 58" Electric Cabinet Unit Heater ..... <small>Note: Wall or floor mounted.</small>	3,331.52	140.06
23 82 39 13-0022	EA	8 KW, 750 CFM, 58" Electric Cabinet Unit Heater ..... <small>Note: Wall or floor mounted.</small>	3,372.56	140.06
23 82 39 13-0023	EA	10 KW, 750 CFM, 58" Electric Cabinet Unit Heater ..... <small>Note: Wall or floor mounted.</small>	3,413.61	140.06
23 82 39 13-0024	EA	12 KW, 750 CFM, 58" Electric Cabinet Unit Heater ..... <small>Note: Wall or floor mounted.</small>	3,454.65	140.06
23 82 39 13-0025	EA	14 KW, 750 CFM, 58" Electric Cabinet Unit Heater ..... <small>Note: Wall or floor mounted.</small>	3,495.70	140.06
23 82 39 13-0026	EA	16 KW, 750 CFM, 58" Electric Cabinet Unit Heater ..... <small>Note: Wall or floor mounted.</small>	3,536.74	140.06
23 82 39 13-0027	EA	For Ceiling Installation of 58" Cabinet Unit Heater, Add .....	175.07	87.54
23 82 39 13-0028		<b>Electric Cabinet Unit Heaters, 68" Cabinet Length <small>(23 82 39 13-0001)</small></b>		
23 82 39 13-0029	EA	6 KW, 750 CFM, 68" Electric Cabinet Unit Heater ..... <small>Note: Wall or floor mounted.</small>	3,921.20	175.07
23 82 39 13-0030	EA	9 KW, 750 CFM, 68" Electric Cabinet Unit Heater ..... <small>Note: Wall or floor mounted.</small>	3,982.77	175.07
23 82 39 13-0031	EA	12 KW, 750 CFM, 68" Electric Cabinet Unit Heater ..... <small>Note: Wall or floor mounted.</small>	4,044.34	175.07
23 82 39 13-0032	EA	15 KW, 750 CFM, 68" Electric Cabinet Unit Heater ..... <small>Note: Wall or floor mounted.</small>	4,105.90	175.07
23 82 39 13-0033	EA	18 KW, 750 CFM, 68" Electric Cabinet Unit Heater ..... <small>Note: Wall or floor mounted.</small>	4,167.48	175.07
23 82 39 13-0034	EA	21 KW, 750 CFM, 68" Electric Cabinet Unit Heater ..... <small>Note: Wall or floor mounted.</small>	4,229.05	175.07
23 82 39 13-0035	EA	24 KW, 750 CFM, 68" Electric Cabinet Unit Heater ..... <small>Note: Wall or floor mounted.</small>	4,290.61	175.07
23 82 39 13-0036	EA	For Ceiling Installation of 68" Cabinet Unit Heater, Add .....	233.90	116.95
23 82 39 13-0037		<b>Electric Cabinet Unit Heaters, 78" Cabinet Length <small>(23 82 39 13-0001)</small></b>		
23 82 39 13-0038	EA	8 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater ..... <small>Note: Wall or floor mounted.</small>	4,592.97	210.09
23 82 39 13-0039	EA	12 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater ..... <small>Note: Wall or floor mounted.</small>	4,675.06	210.09
23 82 39 13-0040	EA	16 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater ..... <small>Note: Wall or floor mounted.</small>	4,757.15	210.09
23 82 39 13-0041	EA	20 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater ..... <small>Note: Wall or floor mounted.</small>	4,839.25	210.09

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating And Cooling Units**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 13-0042 EA 24 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	4,921.34	210.09
23 82 39 13-0043 EA 28 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	5,003.43	210.09
23 82 39 13-0044 EA 32 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	5,085.53	210.09
23 82 39 13-0045 EA For Ceiling Installation of 78" Cabinet Unit Heater, Add.....	280.12	140.06
<b>23 82 39 13-0046 Removal and Reinstallation of Cabinet Unit Heaters (23 82 39 13)</b> Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 13-0047 EA Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Floor or Wall.....	199.95	
23 82 39 13-0048 EA Removal And Reinstallation Of >58" Cabinet Unit Heater, Floor or Wall .....	345.38	
23 82 39 13-0049 EA Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Ceiling.....	412.26	
23 82 39 13-0050 EA Removal And Reinstallation Of >58" Cabinet Unit Heater, Ceiling .....	557.68	
<b>23 82 39 16 Propeller Unit Heaters (23 82 39)</b>		
<b>23 82 39 16-0001 Hydronic Unit Heaters Using Steam Or Hot Water (23 82 39 16)</b> Note: For use with either steam or heating hot water. Heating output capacities for both are listed.		
<b>23 82 39 16-0002 Horizontal Hydronic Unit Heaters, Fan Propelled, 115 Volt (23 82 39 16-0001)</b>		
23 82 39 16-0003 EA 18 MBH Steam, 13 MBH Hot Water, 395 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	668.46	72.71
23 82 39 16-0004 EA 24 MBH Steam, 17.4 MBH Hot Water, 450 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	669.89	72.71
23 82 39 16-0005 EA 36 MBH Steam, 26.1 MBH Hot Water, 550 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	751.89	72.71
23 82 39 16-0006 EA 48 MBH Steam, 34.8 MBH Hot Water, 750 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	909.95	109.06
23 82 39 16-0007 EA 60 MBH Steam, 43.6 MBH Hot Water, 900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	951.91	109.06
23 82 39 16-0008 EA 72 MBH Steam, 52.3 MBH Hot Water, 1,100 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	1,014.39	109.06
23 82 39 16-0009 EA 84 MBH Steam, 61 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	1,210.09	145.42
23 82 39 16-0010 EA 96 MBH Steam, 69.7 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	1,335.96	145.42
23 82 39 16-0011 EA 108 MBH Steam, 78.4 MBH Hot Water, 2,800 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	1,416.06	145.42
23 82 39 16-0012 EA 120 MBH Steam, 87.1 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	1,480.90	145.42
23 82 39 16-0013 EA 132 MBH Steam, 95.8 MBH Hot Water, 2,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	1,662.32	181.77
23 82 39 16-0014 EA 144 MBH Steam, 104 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	1,684.26	181.77
23 82 39 16-0015 EA 156 MBH Steam, 113 MBH Hot Water, 2,600 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	1,705.24	181.77
23 82 39 16-0016 EA 180 MBH Steam, 118 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	1,803.65	218.13
23 82 39 16-0017 EA 204 MBH Steam, 148 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	1,967.66	218.13
23 82 39 16-0018 EA 240 MBH Steam, 174 MBH Hot Water, 3,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	2,241.70	254.48
23 82 39 16-0019 EA 280 MBH Steam, 209.1 MBH Hot Water, 4,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	2,835.76	254.48
23 82 39 16-0020 EA 300 MBH Steam, 230 MBH Hot Water, 5,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	3,005.68	290.84
23 82 39 16-0021 EA 360 MBH Steam, 261.3 MBH Hot Water, 5,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt.....	3,615.97	290.84
23 82 39 16-0022 EA Fan Guard For Fan Propelled Steam Unit Heater, Horizontal.....	181.76	18.18
Note: Required only for unit heaters located within 7' of a working surface.		
<b>23 82 39 16-0023 Vertical Hydronic Unit Heaters, Fan Propelled, 115 Volt (23 82 39 16-0001)</b>		
23 82 39 16-0024 EA 41.3 MBH Steam, 22.7 MBH Hot Water, 595 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	966.22	72.71
23 82 39 16-0025 EA 65.5 MBH Steam, 39.6 MBH Hot Water, 989 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,011.51	109.06
23 82 39 16-0026 EA 80.6 MBH Steam, 48.4 MBH Hot Water, 1,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,094.00	109.06
23 82 39 16-0027 EA 101.8 MBH Steam, 68.3 MBH Hot Water, 1,490 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,338.83	145.42
23 82 39 16-0028 EA 124.4 MBH Steam, 83.7 MBH Hot Water, 1,790 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,419.87	145.42
23 82 39 16-0029 EA 152 MBH Steam, 105.2 MBH Hot Water, 2,220 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,656.80	218.13
23 82 39 16-0030 EA 173 MBH Steam, 118.6 MBH Hot Water, 2,620 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,780.76	218.13
23 82 39 16-0031 EA 210.2 MBH Steam, 139.7 MBH Hot Water, 3,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,884.71	218.13
23 82 39 16-0032 EA 249.8 MBH Steam, 180.1 MBH Hot Water, 4,180 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,099.60	254.48
23 82 39 16-0033 EA 283.8 MBH Steam, 205.4 MBH Hot Water, 4,430 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,222.62	254.48
23 82 39 16-0034 EA 333.4 MBH Steam, 242.9 MBH Hot Water, 5,210 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,471.50	254.48
23 82 39 16-0035 EA 386 MBH Steam, 280.8 MBH Hot Water, 6,140 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,843.80	327.19
23 82 39 16-0036 EA 496 MBH Steam, 368.1 MBH Hot Water, 8,020 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,671.50	327.19
23 82 39 16-0037 EA 585 MBH Steam, 431.1 MBH Hot Water, 9,450 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,925.15	327.19
23 82 39 16-0038 EA 705 MBH Steam, 519.4 MBH Hot Water, 11,000 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	4,472.74	363.55
23 82 39 16-0039 EA Fan Guard For Fan Propelled Steam Unit Heater, Vertical.....	252.32	18.18
Note: Required only for unit heaters located within 7' of a working surface.		
<b>23 82 39 16-0040 Removal and Reinstallation of Propeller Unit Heaters (23 82 39 16)</b> Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 16-0041 EA Removal And Reinstallation Of Up To 120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical.....	436.26	
23 82 39 16-0042 EA Removal And Reinstallation Of >120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical.....	581.69	
<b>23 82 39 19 Wall and Ceiling Unit Heaters (23 82 39)</b>		
<b>23 82 39 19-0001 Electric Unit Heaters (23 82 39 19)</b> Note: May be mounted both vertically and horizontally.		
23 82 39 19-0002 EA 3 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt .....	687.92	70.03
23 82 39 19-0003 EA 5 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt .....	687.92	70.03
23 82 39 19-0004 EA 7.5 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt .....	929.18	87.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 19-0005 EA 10 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt .....	1,061.05	105.04
23 82 39 19-0006 EA 15 KW, 910 CFM Electric Unit Heater, 208, 240/208, or 277 Volt .....	1,561.52	140.06
23 82 39 19-0007 EA 20 KW, 1,320 CFM Electric Unit Heater, 208, 240/208, 277, or 480 Volt .....	2,303.71	175.07
23 82 39 19-0008 EA 30 KW, 2,100 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt.....	3,211.46	210.09
23 82 39 19-0009 EA 50 KW, 3,000 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt.....	4,756.64	245.11
23 82 39 19-0010 EA 3 KW, 350 CFM Electric Unit Heater - 480 Volt .....	866.02	70.03
23 82 39 19-0011 EA 5 KW, 350 CFM Electric Unit Heater - 480 Volt .....	831.26	70.03
23 82 39 19-0012 EA 7.5 KW, 650 CFM Electric Unit Heater - 480 Volt .....	980.08	87.54
23 82 39 19-0013 EA 10 KW, 650 CFM Electric Unit Heater - 480 Volt .....	1,127.27	105.04
23 82 39 19-0014 EA 15 KW, 910 CFM Electric Unit Heater - 480 Volt .....	1,693.97	140.06

**23 82 39 19-0015****Electric Ceiling and Wall Heaters** (23 82 39 19)

Note: The "/" between wattages indicates two or three speed operation. 120, 240/208 or 277 Volt.

23 82 39 19-0016 EA 1,000, 1,500 Or 2,000 Watt Recessed Electric Wall Heater .....	274.37	43.77
23 82 39 19-0017 EA 1,500/750 Or 2,000/1,000 Watt Recessed Electric Wall Heater .....	322.31	49.02
23 82 39 19-0018 EA 3,000, 3,600, 4,000 Or 4,800 Watt Recessed Electric Wall Heater .....	520.45	49.02
23 82 39 19-0019 EA 1,000, 1,500 Or 2,000 Watt Surface Mounted Electric Wall Heater .....	315.06	43.77
23 82 39 19-0020 EA 1,500/750 Or 2,000/1,000 Watt Surface Mounted Electric Wall Heater .....	386.53	49.02
23 82 39 19-0021 EA 3,000, 3,600, 4,000 Or 4,800 Watt Surface Mounted Electric Wall Heater .....	595.89	49.02
23 82 39 19-0022 EA 1,000, 1,500 Or 2,000/1,500 Watt Recessed Electric Ceiling Heater .....	414.24	57.77
23 82 39 19-0023 EA 3,000, 4,000 Or 4,000/3,000 Watt Recessed Electric Ceiling Heater .....	799.63	61.27
23 82 39 19-0024 EA 4,800/3,600 Watt Recessed Electric Ceiling Heater .....	904.35	61.27
23 82 39 19-0025 EA 4,000/3,000/2,000 Watt Recessed Or Surface Mounted Electric Ceiling Heater .....	1,053.52	64.78
23 82 39 19-0026 EA 5,000/3,800/2,500 Watt Recessed Or Surface Mounted Electric Ceiling Heater .....	1,145.46	64.78
23 82 39 19-0027 EA 1,000, 1,500 Or 2,000/1,500 Watt Surface Mounted Electric Ceiling Heater .....	468.63	57.77
23 82 39 19-0028 EA 3,000, 4,000 Or 4,000/3,000 Watt Surface Mounted Electric Ceiling Heater .....	885.31	61.27
23 82 39 19-0029 EA 4,800/3,600 Watt Surface Mounted Electric Ceiling Heater .....	990.02	61.27
23 82 39 19-0030 EA Selectable Wattage (500 Or 750 Or 1000 Or 1,250 Or 1,500 Or 1,750 Or 2,250 Watt), 240 Volt, Surface Mounted, Electric Wall Heater (Markel Series 305 - Model H30522TDWB) .....	365.90	43.77

**23 82 39 19-0031****Removal And Reinstallation Of Electric Unit Heaters** (23 82 39 19)

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 82 39 19-0032 EA Removal And Reinstallation Of Up To 15KW Electric Unit Heater .....	261.77	
23 82 39 19-0033 EA Removal And Reinstallation Of >15 KW Electric Unit Heater .....	538.12	

**23 83 Radiant Heating Units** (23 80)**23 83 13 Radiant-Heating Electric Cables** (23 83)**23 83 13 13 Radiant-Heating Electric Cables** (23 83 13)**23 83 13 13-0001 Self Regulating Heating Cable** (23 83 13 13)

23 83 13 13-0002 LF 3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable .....	5.07	0.51		
Note: Tinned copper braid, @ 50° F.				
<i>For TPE Covering, Add</i> .....			1.01	
23 83 13 13-0003 LF 5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable .....	5.56	0.51		
Note: Tinned copper braid, @ 50° F.				
<i>For TPE Covering, Add</i> .....			1.14	
23 83 13 13-0004 LF 8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable .....	5.99	0.51		
Note: Tinned copper braid, @ 50° F.				
<i>For TPE Covering, Add</i> .....			1.24	
23 83 13 13-0005 LF 3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable .....	5.22	0.51		
Note: Tinned copper braid, @ 50° F.				
<i>For TPE Covering, Add</i> .....			1.05	
23 83 13 13-0006 LF 5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable .....	5.70	0.51		
Note: Tinned copper braid, @ 50° F.				
<i>For TPE Covering, Add</i> .....			1.17	
23 83 13 13-0007 LF 8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable .....	6.19	0.51		
Note: Tinned copper braid, @ 50° F.				
<i>For TPE Covering, Add</i> .....			1.29	
23 83 13 13-0008 EA Power Connection Kit With Pre-set Thermostat For Self Regulating Low Temperature Heating Cable .....	187.73	40.44		
23 83 13 13-0009 EA Splice And Tee Kit For Self Regulating Low Temperature Heating Cable .....	187.73	40.44		
23 83 13 13-0010 EA End Seal Kit For Self Regulating Low Temperature Heating Cable .....	121.57	7.35		
23 83 13 13-0011 EA Ambient Air Sensing Thermostat For Self Regulating Low Temperature Heating Cable .....	329.48	18.38		
23 83 13 13-0012 EA Mechanical Or Electrical Line Sensing Thermostat For Self Regulating Low Temperature Heating Cable .....	362.74	18.38		

**23 83 33 Electric Radiant Heaters** (23 83)**23 83 33 00-0001 Residential Wall Heaters** (23 83 33)

23 83 33 00-0002 EA 750 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt.....	279.09	70.03
23 83 33 00-0003 EA 1,000 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt.....	279.09	70.03
23 83 33 00-0004 EA 1,250 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt.....	313.85	70.03
23 83 33 00-0005 EA 1,500 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt.....	313.85	70.03
23 83 33 00-0006 EA 2,000 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt.....	320.80	70.03
23 83 33 00-0007 EA 2,500 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt.....	320.80	70.03
23 83 33 00-0008 EA 3,000 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt.....	348.60	70.03
23 83 33 00-0009 EA 4,000 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt.....	362.51	70.03

**23 Heating, Ventilating, And Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 83 Radiant Heating Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 83 33 00-0010			<b>Commercial Wall Heaters</b> <sup>(23 83 33)</sup>		
23 83 33 00-0011	EA		750 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt .....	334.70	70.03
23 83 33 00-0012	EA		1,000 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt .....	334.70	70.03
23 83 33 00-0013	EA		1,250 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt .....	334.70	70.03
23 83 33 00-0014	EA		1,500 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt .....	362.51	70.03
23 83 33 00-0015	EA		2,000 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt .....	383.36	70.03
23 83 33 00-0016	EA		2,500 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt .....	383.36	70.03
23 83 33 00-0017	EA		3,000 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt .....	487.64	70.03
23 83 33 00-0018	EA		4,000 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt .....	487.64	70.03
<b>23 84</b>			<b>Humidity Control Equipment</b> <sup>(23 80)</sup>		
<b>23 84 13</b>			<b>Humidifiers</b> <sup>(23 84)</sup>		
<b>23 84 13 16</b>			<b>Wetted-Element Humidifiers</b> <sup>(23 84 13)</sup>		
23 84 13 16-0001			<b>Electric Steam Humidifiers, Self-Steam Producing</b> <sup>(23 84 13 16)</sup>		
			Note: Electronic modulating duct or air handling unit installation 208V-108V with 12"-72" manifolds included.		
23 84 13 16-0002	EA		1-96 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold.....	7,326.47	299.56
23 84 13 16-0003	EA		20-168 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold.....	9,282.47	300.29
<b>23 84 13 23</b>			<b>Direct-Steam-Injection Humidifiers</b> <sup>(23 84 13)</sup>		
23 84 13 23-0001			<b>Steam Type Pneumatically Controlled</b> <sup>(23 84 13 23)</sup>		
			Note: For duct or air handling installation standard unit with integral operator distribution manifold strainer trap and pneumatic modulating valve. Excludes humidistat and piping.		
23 84 13 23-0002	EA		3-191 LB/Hour Steam Humidifier, 24" Manifold, Pneumatic Controls .....	1,196.02	191.95
			For Electrically Controlled Unit, Add	700.00	
			For Each Additional Manifold, Add	368.50	
23 84 13 23-0003	EA		3-191 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls .....	1,196.02	191.95
			For Electrically Controlled Unit, Add	700.00	
			For Each Additional Manifold, Add	368.50	
23 84 13 23-0004	EA		65-334 LB/Hour Steam Humidifier, 36" Manifold, Pneumatic Controls .....	1,710.65	191.95
			For Electrically Controlled Unit, Add	700.00	
			For Each Additional Manifold, Add	522.89	
23 84 13 23-0005	EA		65-334 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls .....	1,783.36	239.95
			For Electrically Controlled Unit, Add	700.00	
			For Each Additional Manifold, Add	547.13	
23 84 13 23-0006	EA		100-690 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls .....	2,556.84	191.95
			For Electrically Controlled Unit, Add	700.00	
			For Each Additional Manifold, Add	776.75	
23 84 13 23-0007	EA		100-690 LB/Hour Steam Humidifier, 84" Manifold, Pneumatic Controls .....	2,629.55	239.95
			For Electrically Controlled Unit, Add	700.00	
			For Each Additional Manifold, Add	800.98	
23 84 13 23-0008	EA		220-2,000 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls .....	3,951.72	239.95
			For Electrically Controlled Unit, Add	700.00	
			For Each Additional Manifold, Add	1,197.63	
23 84 13 23-0009	EA		220-2,000 LB/Hour Steam Humidifier, 144" Manifold, Pneumatic Controls .....	4,042.61	300.29
			For Electrically Controlled Unit, Add	700.00	
			For Each Additional Manifold, Add	1,227.93	
<b>23 84 13 29</b>			<b>Self-Contained Steam Humidifiers</b> <sup>(23 84 13)</sup>		
23 84 13 29-0001			<b>Residential Humidifiers</b> <sup>(23 84 13 29)</sup>		
			Note: Includes solenoid valve and flow through water supply.		
23 84 13 29-0002	EA		Duct Or Furnace Mounted Humidifier, Residential Type.....	348.83	36.35
<b>23 84 16</b>			<b>Mechanical Dehumidification Units</b> <sup>(23 84)</sup>		
<b>23 84 16 16</b>			<b>Indoor, Mechanical Dehumidification Units</b> <sup>(23 84 16)</sup>		
23 84 16 16-0001			<b>Mechanical Dehumidification Units</b> <sup>(23 84 16 16)</sup>		
			Note: Sized by moisture removal per 24 hours.		
23 84 16 16-0002	EA		65 Pint Per Day, 160 CFM, 8" Duct Connection, Refrigerant Dehumidifier.....	1,297.92	35.02
23 84 16 16-0003	EA		90 Pint Per Day, 235 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier.....	1,633.38	40.84
23 84 16 16-0004	EA		120 Pint Per Day, 350 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier.....	2,190.48	46.69
<b>23 84 16 33</b>			<b>Portable Dehumidifiers</b> <sup>(23 84 16)</sup>		
23 84 16 33-0001			<b>Self Contained Free Standing Unit</b> <sup>(23 84 16 33)</sup>		
			Note: Sized by moisture removal per 24 hours.		
23 84 16 33-0002	EA		30 Pint/24 Hour Dehumidifier.....	293.97	75.65
23 84 16 33-0003	EA		50 Pint/24 Hour Dehumidifier.....	354.08	75.65
23 84 16 33-0004	EA		70 Pint/24 Hour Dehumidifier.....	390.14	75.65



<b>Heating, Ventilating, And Air-Conditioning (HVAC)</b>	<b>23</b>	<b>23</b>
Decentralized Unitary HVAC Equipment	23 80	
Humidity Control Equipment	23 84	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**END OF SECTION 23**



**23 Heating, Ventilating, And Air-Conditioning (HVAC)**

23 80 Decentralized Unitary HVAC Equipment

23 84 Humidity Control Equipment



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MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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<b>Integrated Automation</b>	<b>25</b>	<b>25</b>
Integrated Automation Facility Controls	25 50	
Integrated Automation Control Of HVAC	25 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**25 Integrated Automation**

**25 50 Integrated Automation Facility Controls** (25)

**25 55 Integrated Automation Control Of HVAC** (25 50)

See CSI section 23 09 00 00-0000 for Instrumentation And Control For HVAC.

**END OF SECTION 25**

**25 Integrated Automation**

25 50 Integrated Automation Facility Controls

25 55 Integrated Automation Control Of HVAC

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**THIS PAGE INTENTIONALLY LEFT BLANK**



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 26 Electrical

Note: Termination costs are included with all electrical equipment, panel boards, fixtures and devices. Terminations are not included with patch panels.

### 26 01 Operation and Maintenance of Electrical Systems <sup>(26)</sup>

#### 26 01 10 Operation And Maintenance Of Medium-Voltage Electrical Distribution <sup>(26 01)</sup>

##### 26 01 10 91 Medium-Voltage Electrical Distribution Restoration <sup>(26 01 10)</sup>

26 01 10 91-0001	Retrofit Distribution Enclosures <sup>(26 01 10 91)</sup> Note: Includes removal of equipment housing, punch or drill hole for window, touch-up area, and reinstallation of equipment housing.		
26 01 10 91-0002	EA 2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-2C) .....	309.06	
	Note: 2mm thick, aluminum frame, hinged cover.		
	For Up To 20, Add	65.93	
	For >20 To 50, Add	52.74	
	For >50 To 100, Add	26.37	
26 01 10 91-0003	EA 3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-3C) .....	403.58	
	Note: 2mm thick, aluminum frame, hinged cover.		
	For Up To 20, Add	89.56	
	For >20 To 50, Add	71.65	
	For >50 To 100, Add	35.82	
26 01 10 91-0004	EA 4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-4C) .....	611.52	
	Note: 4mm thick, aluminum frame, hinged cover.		
	For Up To 20, Add	141.54	
	For >20 To 50, Add	113.23	
	For >50 To 100, Add	56.62	
26 01 10 91-0005	EA 3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 1 Rated (Fluke CLKTO) .....	306.37	
	Note: 2mm thick, aluminum frame, twist cover.		
	For Up To 20, Add	65.26	
	For >20 To 50, Add	52.20	
	For >50 To 100, Add	26.10	
26 01 10 91-0006	EA 2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-2) .....	308.03	
	Note: 2mm thick, aluminum frame, twist cover.		
	For Up To 20, Add	65.67	
	For >20 To 50, Add	52.54	
	For >50 To 100, Add	26.27	
26 01 10 91-0007	EA 3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-3) .....	395.88	
	Note: 2mm thick, aluminum frame, twist cover.		
	For Up To 20, Add	87.63	
	For >20 To 50, Add	70.11	
	For >50 To 100, Add	35.05	
26 01 10 91-0008	EA 4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-4) .....	594.43	
	Note: 4mm thick, aluminum frame, twist cover.		
	For Up To 20, Add	137.27	
	For >20 To 50, Add	109.82	
	For >50 To 100, Add	54.91	
26 01 10 91-0009	EA 2" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPPFR) .....	241.01	
	Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		
	For Up To 20, Add	48.92	
	For >20 To 50, Add	39.13	
	For >50 To 100, Add	19.57	
26 01 10 91-0010	EA 3" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPPFR) .....	343.09	
	Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		
	For Up To 20, Add	74.44	
	For >20 To 50, Add	59.55	
	For >50 To 100, Add	29.77	
26 01 10 91-0011	EA 4" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPPFR) .....	491.96	
	Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		
	For Up To 20, Add	111.65	
	For >20 To 50, Add	89.32	
	For >50 To 100, Add	44.66	
26 01 10 91-0012	EA 2" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) .....	447.79	
	Note: 4mm thick, aluminum frame, magnetic cover.		
	For Up To 20, Add	100.61	
	For >20 To 50, Add	80.49	
	For >50 To 100, Add	40.24	
26 01 10 91-0013	EA 3" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) .....	618.58	
	Note: 4mm thick, aluminum frame, magnetic cover.		
	For Up To 20, Add	143.31	
	For >20 To 50, Add	114.65	
	For >50 To 100, Add	57.32	

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 10 Operation And Maintenance Of Medium-Voltage Electrical Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01	10 91-0014	EA	4" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) .....	1,140.22	
			Note: 4mm thick, aluminum frame, magnetic cover.		
			For Up To 20, Add .....	273.72	
			For >20 To 50, Add .....	218.97	
			For >50 To 100, Add .....	109.49	
26 01	10 91-0015	EA	3" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) .....	515.67	
			Note: 4mm thick, aluminum frame, magnetic cover.		
			For Up To 20, Add .....	117.58	
			For >20 To 50, Add .....	94.06	
			For >50 To 100, Add .....	47.03	
26 01	10 91-0016	EA	4" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) .....	762.96	
			Note: 4mm thick, aluminum frame, magnetic cover.		
			For Up To 20, Add .....	179.40	
			For >20 To 50, Add .....	143.52	
			For >50 To 100, Add .....	71.76	

## 26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution (26 01)

### 26 01 20 91 Low-Voltage Electrical Distribution Restoration (26 01 20)

26 01	20 91-0001		Lock Out/Tag Out Devices <small>(26 01 20 91)</small> Note: Includes the installation and removal of device lock, pad lock and identifying markers. Includes following OSHA procedures and completing Owner's paperwork. Excludes circuit tracing.		
26 01	20 91-0002	EA	Lock Out/Tag Out Local Disconnect .....	18.38	
26 01	20 91-0003	EA	Lock Out/Tag Out Breaker Or Motor Starter .....	18.38	
26 01	20 91-0004	EA	Lock Out/Tag Out Tags.....	3.68	
26 01	20 91-0005		Existing Circuit Tracing <small>(26 01 20 91)</small>		
26 01	20 91-0006	EA	Motors, Diconnects And Other Single Source Devices, Existing Circuit Tracing Per Device .....	15.29	
26 01	20 91-0007	EA	Lighting, Existing Circuit Tracing Per Circuit.....	15.29	

## 26 01 50 Operation and Maintenance of Lighting (26 01)

### 26 01 50 51 Luminaire Relamping (26 01 50)

26 01	50 51-0001		Replace Lamps In Existing Fixtures <small>(26 01 50 51)</small> Note: Includes removal of existing lamp from fixture and installation of new lamp. Excludes disposal of hazardous lamps. See CSI section 26 01 50 51-0372 for disposal of hazardous lamps.		
26 01	50 51-0002		Halogen Lamps <small>(26 01 50 51-0001)</small>		
26 01	50 51-0003	EA	300 Watt, T3, Tungsten Halogen Lamp .....	34.90	
26 01	50 51-0004	EA	500 Watt, T3, Tungsten Halogen Lamp .....	45.26	
26 01	50 51-0005	EA	1,000 Watt, T3, Tungsten Halogen Lamp .....	67.92	
26 01	50 51-0006	EA	60 Watt, PAR38, Halogen Lamp .....	16.66	
26 01	50 51-0007	EA	75 Watt, PAR38, Halogen Lamp .....	16.66	
26 01	50 51-0008	EA	90 Watt, PAR38, Halogen Lamp .....	15.74	
26 01	50 51-0009	EA	100 Watt, PAR38, Halogen Lamp .....	15.74	
26 01	50 51-0010	EA	60 Watt, PAR38, Halogen IR Reflective Lamp.....	18.24	
26 01	50 51-0011	EA	67 Watt, PAR38, Halogen IR Reflective Lamp.....	19.79	
26 01	50 51-0012	EA	70 Watt, PAR38, Halogen IR Reflective Lamp.....	19.39	
26 01	50 51-0013	EA	90 Watt, PAR38, Halogen IR Reflective Lamp.....	20.57	
26 01	50 51-0014	EA	100 Watt, PAR38, Halogen IR Reflective Lamp.....	20.82	
26 01	50 51-0015	EA	12 Watt, 10 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-65-B01-12-830-10) .....	22.58	
26 01	50 51-0016	EA	12 Watt, 20 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-20) .....	22.58	
26 01	50 51-0017	EA	12 Watt, 25 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-25) .....	25.49	
26 01	50 51-0018	EA	12 Watt, 36 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-36) .....	25.49	
26 01	50 51-0019		Incandescent Lamps <small>(26 01 50 51-0001)</small>		
26 01	50 51-0020	EA	100 Watt, Frosted, Interior Incandescent Lamp .....	4.25	
			For Multiple Lamps In Fixture, Deduct .....	-1.21	
26 01	50 51-0021	EA	150 Watt, Frosted, Interior Incandescent Lamp .....	5.41	
			For Multiple Lamps In Fixture, Deduct .....	-1.21	
26 01	50 51-0022	EA	200 Watt, Frosted, Interior Incandescent Lamp .....	6.73	
			For Multiple Lamps In Fixture, Deduct .....	-1.21	
26 01	50 51-0023	EA	300 Watt, PS25, Interior Incandescent Lamp .....	8.38	
			For Multiple Lamps In Fixture, Deduct .....	-1.21	
26 01	50 51-0024	EA	60 Watt, G25, Clear, Interior Incandescent Lamp .....	6.15	
			For Multiple Lamps In Fixture, Deduct .....	-1.21	
26 01	50 51-0025	EA	75 Watt, R20, Interior Incandescent Lamp.....	9.94	
			For Multiple Lamps In Fixture, Deduct .....	-1.46	
26 01	50 51-0026	EA	75 Watt, PAR38, Exterior Incandescent Lamp.....	12.25	
			For Multiple Lamps In Fixture, Deduct .....	-1.46	
26 01	50 51-0027	EA	100 Watt, PAR38, Exterior Incandescent Lamp.....	11.33	
			For Multiple Lamps In Fixture, Deduct .....	-1.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0028 EA 150 Watt, PAR38, Exterior Incandescent Lamp.....	20.10	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.46	
26 01 50 51-0029 EA 250 Watt, PAR38, Exterior Incandescent Lamp.....	42.09	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.70	
26 01 50 51-0030 EA 300 Watt, PAR56, Exterior Incandescent Lamp.....	48.53	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.70	
<b>26 01 50 51-0031 Exit Light Lamps</b> <small>(26 01 50 51-0001)</small>		
26 01 50 51-0032 EA Convert Exit Light Lamps To Red LED Lamps .....	71.71	
<i>For Green LED Lamps, Add</i>	25.00	
26 01 50 51-0033 EA Fluorescent Lamp For Exit Light .....	20.51	
<i>For Multiple Lamps In Fixture, Deduct</i>	-4.85	
26 01 50 51-0034 EA Lamp Replacement For Emergency Lights On Exit Sign.....	28.35	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.43	
<b>26 01 50 51-0035 Fluorescent Lamps</b> <small>(26 01 50 51-0001)</small>		
26 01 50 51-0036 EA 18", 15 Watt, T8 Fluorescent Lamp .....	7.61	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.94	
26 01 50 51-0037 EA 2', 17 Watt, T8 Fluorescent Lamp .....	9.09	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.94	
26 01 50 51-0038 EA 3', 25 Watt, T8 Fluorescent Lamp .....	10.43	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.18	
26 01 50 51-0039 EA 4', 32 Watt, T8 Fluorescent Lamp .....	10.11	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.18	
26 01 50 51-0040 EA 4', 30 Watt, T8 Fluorescent Lamp .....	12.99	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.18	
26 01 50 51-0041 EA 4', 28 Watt, T8 Fluorescent Lamp .....	11.43	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.18	
26 01 50 51-0042 EA 4', 25 Watt, T8 Fluorescent Lamp .....	11.37	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.18	
26 01 50 51-0043 EA 4', 44 Watt, T8HO Fluorescent Lamp.....	18.09	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.18	
26 01 50 51-0044 EA 8', 59 Watt, T8 Fluorescent Lamp .....	13.87	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.18	
26 01 50 51-0045 EA 18", 15 Watt, T12 Fluorescent Lamp .....	11.35	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.94	
26 01 50 51-0046 EA 2', 20 Watt, T12 Fluorescent Lamp .....	8.67	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.94	
26 01 50 51-0047 EA 3', 30 Watt, T12 Fluorescent Lamp .....	9.73	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.18	
26 01 50 51-0048 EA 4', 34 Watt, T12 Fluorescent Lamp .....	9.78	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.18	
26 01 50 51-0049 EA 4', 40 Watt, T12 Fluorescent Lamp .....	9.58	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.18	
26 01 50 51-0050 EA 8', 60 Watt, T12 Fluorescent Lamp .....	14.21	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.18	
26 01 50 51-0051 EA 8', 75 Watt, T12 Fluorescent Lamp .....	12.05	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.18	
26 01 50 51-0052 EA 6" Diameter, 20 Watt, Circular T9 Fluorescent Lamp.....	11.48	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.94	
26 01 50 51-0053 EA 8" Diameter, 22 Watt, Circular T9 Fluorescent Lamp.....	9.50	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.94	
26 01 50 51-0054 EA 12" Diameter, 32 Watt, Circular T9 Fluorescent Lamp.....	9.19	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.94	
26 01 50 51-0055 EA 16" Diameter, 40 Watt, Circular T9 Fluorescent Lamp.....	10.14	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.94	
26 01 50 51-0056 EA 6", 4 Watt, T5 Fluorescent Lamp .....	8.41	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.94	
26 01 50 51-0057 EA 9", 6 Watt, T5 Fluorescent Lamp .....	8.28	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.94	
26 01 50 51-0058 EA 12", 8 Watt, T5 Fluorescent Lamp .....	8.53	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.94	
26 01 50 51-0059 EA 21", 13 Watt, T5 Fluorescent Lamp .....	8.91	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.94	
26 01 50 51-0060 EA 24", 14 Watt, T5 Fluorescent Lamp .....	10.23	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.94	
26 01 50 51-0061 EA 34", 21 Watt, T5 Fluorescent Lamp .....	11.13	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.18	
26 01 50 51-0062 EA 46", 28 Watt, T5 Fluorescent Lamp .....	10.79	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.18	
26 01 50 51-0063 EA 46", 54 Watt T5HO Fluorescent Lamp .....	11.77	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.18	
26 01 50 51-0064 EA 5-13 Watt, 2-Pin Compact Fluorescent Lamp.....	6.60	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.21	
26 01 50 51-0065 EA 9-26 Watt, 4-Pin Compact Fluorescent Lamp .....	7.29	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.21	
26 01 50 51-0066 EA 27-55 Watt, 4-Pin Compact Fluorescent Lamp .....	14.80	
<i>For Multiple Lamps In Fixture, Deduct</i>	-1.21	
26 01 50 51-0067 EA 32 Watt, Rapid Start, U-Shaped T8 Fluorescent Lamp.....	16.63	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.43	
26 01 50 51-0068 EA 40 Watt, Rapid Start, U-Shaped T12 Fluorescent Lamp.....	16.05	
<i>For Multiple Lamps In Fixture, Deduct</i>	-2.43	

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01	50 51-0069	EA	<9 Watt Spiral Compact Fluorescent Lamps, Screw-In.....	6.62	
26 01	50 51-0070	EA	9-27 Watt Spiral Compact Fluorescent Lamps, Screw-In .....	5.77	
26 01	50 51-0071	EA	29-32 Watt Spiral Compact Fluorescent Lamps, Screw-In .....	5.77	
26 01	50 51-0072	EA	33-42 Watt Spiral Compact Fluorescent Lamps, Screw-In .....	23.63	
26 01	50 51-0073	EA	43-65 Watt Spiral Compact Fluorescent Lamps, Screw-In .....	25.74	
26 01	50 51-0074	EA	85 Watt Spiral Compact Fluorescent Lamps, Screw-In.....	48.67	
26 01	50 51-0075	EA	105 Watt Spiral Compact Fluorescent Lamps, Screw-In.....	58.22	
26 01	50 51-0076	EA	200 Watt Spiral Compact Fluorescent Lamps, Screw-In.....	60.16	
26 01	50 51-0077	EA	11 Watt Compact Fluorescent Reflector Lamps, Screw-In .....	22.14	
26 01	50 51-0078	EA	15 Watt Compact Fluorescent Reflector Lamps, Screw-In .....	23.08	
26 01	50 51-0079	EA	20-28 Watt Compact Fluorescent Reflector Lamps, Screw-In .....	26.58	
<b>26 01 50 51-0080</b>			<b>Mercury Vapor Lamps (26 01 50 51-0001)</b>		
26 01	50 51-0081	EA	100 Watt, Mercury Vapor Lamp .....	28.23	
26 01	50 51-0082	EA	175 Watt, Mercury Vapor Lamp .....	25.63	
26 01	50 51-0083	EA	250 Watt, Mercury Vapor Lamp .....	24.33	
26 01	50 51-0084	EA	400 Watt, Mercury Vapor Lamp .....	29.84	
26 01	50 51-0085	EA	1,000 Watt, Mercury Vapor Lamp .....	52.00	
<b>26 01 50 51-0086</b>			<b>Metal Halide Lamps (26 01 50 51-0001)</b>		
26 01	50 51-0087	EA	50 Watt, Pulse Start Metal Halide Lamp .....	28.78	
26 01	50 51-0088	EA	70 Watt, Pulse Start Metal Halide Lamp .....	27.56	
26 01	50 51-0089	EA	100 Watt, Pulse Start Metal Halide Lamp .....	31.40	
26 01	50 51-0090	EA	150 Watt, Pulse Start Metal Halide Lamp .....	30.53	
26 01	50 51-0091	EA	175 Watt, Pulse Start Metal Halide Lamp .....	30.28	
26 01	50 51-0092	EA	250 Watt, Pulse Start Metal Halide Lamp .....	30.45	
26 01	50 51-0093	EA	400 Watt, Pulse Start Metal Halide Lamp .....	36.58	
26 01	50 51-0094	EA	1,000 Watt, Pulse Start Metal Halide Lamp .....	42.46	
26 01	50 51-0095	EA	1,500 Watt, Pulse Start Metal Halide Lamp .....	42.21	
<b>26 01 50 51-0096</b>			<b>High Pressure Sodium Lamps (26 01 50 51-0001)</b>		
26 01	50 51-0097	EA	35 Watt, High Pressure Sodium Lamp.....	23.82	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.87	
26 01	50 51-0098	EA	50 Watt, High Pressure Sodium Lamp.....	23.82	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.87	
26 01	50 51-0099	EA	70 Watt, High Pressure Sodium Lamp.....	24.34	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.87	
26 01	50 51-0100	EA	100 Watt, High Pressure Sodium Lamp .....	25.34	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.87	
26 01	50 51-0101	EA	150 Watt, High Pressure Sodium Lamp .....	24.34	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.87	
26 01	50 51-0102	EA	250 Watt, High Pressure Sodium Lamp .....	24.34	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.87	
26 01	50 51-0103	EA	400 Watt, High Pressure Sodium Lamp .....	22.85	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.87	
26 01	50 51-0104	EA	1,000 Watt, High Pressure Sodium Lamp .....	52.50	
<b>26 01 50 51-0105</b>			<b>Low Pressure Sodium Lamps (26 01 50 51-0001)</b>		
26 01	50 51-0106	EA	35 Watt, Low Pressure Sodium Lamp.....	59.86	
26 01	50 51-0107	EA	55 Watt, Low Pressure Sodium Lamp.....	66.75	
26 01	50 51-0108	EA	70 Watt, Low Pressure Sodium Lamp.....	68.30	
26 01	50 51-0109	EA	90 Watt, Low Pressure Sodium Lamp.....	69.85	
26 01	50 51-0110	EA	135 Watt, Low Pressure Sodium Lamp.....	76.05	
26 01	50 51-0111	EA	180 Watt, Low Pressure Sodium Lamp.....	103.96	
<b>26 01 50 51-0112</b>			<b>LED Lamps (26 01 50 51-0001)</b>		
<b>26 01 50 51-0113</b>			<b>LED Lamps, Candelabra Base, CA10 (26 01 50 51-0112)</b>		
26 01	50 51-0114	EA	3 Watt (25 Watt Incandescent Equivalent), Candelabra Base, CA10, Dimmable LED Lamp (Energy Star) .....	8.75	
<b>26 01 50 51-0115</b>			<b>LED Lamps, Medium Base, A19 Or A21 (26 01 50 51-0112)</b>		
26 01	50 51-0116	EA	6 Watt (40 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star).....	11.35	
26 01	50 51-0117	EA	11 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star).....	11.35	
26 01	50 51-0118	EA	14 Watt (75 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star).....	18.31	
26 01	50 51-0119	EA	17 Watt (75 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star).....	13.11	
26 01	50 51-0120	EA	18 Watt (100 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star).....	22.66	
<b>26 01 50 51-0121</b>			<b>LED Lamps, Medium Base, BR30 Or BR40 (26 01 50 51-0112)</b>		
26 01	50 51-0122	EA	9.5 Watt (65 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star) .....	15.48	
26 01	50 51-0123	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star) .....	14.01	
26 01	50 51-0124	EA	11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star) .....	17.92	
26 01	50 51-0125	EA	14.5 Watt (75 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star) .....	15.32	
26 01	50 51-0126	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star) .....	19.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0127 EA 18 Watt (90 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	15.32	
<b>26 01 50 51-0128 LED Lamps, Medium Base, PAR <small>(26 01 50 51-0112)</small></b>		
26 01 50 51-0129 EA 7 Watt (45 Watt Halogen Equivalent), Medium Base, PAR20, Dimmable LED Lamp (Energy Star) .....	16.87	
26 01 50 51-0130 EA 12 Watt (60 Watt Halogen Equivalent), Medium Base, Short Neck Par30, Dimmable LED Lamp (Energy Star) .....	22.28	
26 01 50 51-0131 EA 16.3 Watt (65 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	22.28	
26 01 50 51-0132 EA 15.6 Watt (70 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	21.41	
26 01 50 51-0133 EA 12 Watt (50 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	20.54	
26 01 50 51-0134 EA 15 Watt (75 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star) .....	20.54	
26 01 50 51-0135 EA 18 Watt (90 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star) .....	38.12	
26 01 50 51-0136 EA 15 Watt (75 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star) .....	22.28	
26 01 50 51-0137 EA 18 Watt (90 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star) .....	21.41	
26 01 50 51-0138 EA 19 Watt (120 Watt Halogen Equivalent), Medium Base, Par38, Dimmable LED Lamp (Energy Star) .....	22.28	
26 01 50 51-0139 EA 24 Watt (120 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star) .....	22.28	
<b>26 01 50 51-0140 LED Lamps, GU Base, MR16 <small>(26 01 50 51-0112)</small></b>		
26 01 50 51-0141 EA 4 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, LED Lamp (Energy Star).....	12.27	
26 01 50 51-0142 EA 6 Watt (30 Watt Halogen Equivalent), GU10 Base, MR16, Dimmable LED Lamp (Energy Star).....	15.48	
26 01 50 51-0143 EA 8 Watt (50 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star).....	16.87	
<b>26 01 50 51-0144 LED Lamps, PL Series <small>(26 01 50 51-0112)</small></b>		
26 01 50 51-0145 EA 3.5 Watt, 2-Pin CFL G23 Base , Hybrid Lamp (GreenCreative PLS 3.5 HYB G23) .....	17.18	
26 01 50 51-0146 EA 26 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/827/DIR).....	21.90	
26 01 50 51-0147 EA 26 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/830/DIR).....	17.53	
26 01 50 51-0148 EA 26 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/835/DIR).....	20.26	
26 01 50 51-0149 EA 26 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/840/DIR).....	20.26	
26 01 50 51-0150 EA 26 Watt, 3000K CCT, High CRI, PL EDGE DIRect Series (Green Creative 10.5PLH/930/DIR) .....	25.18	
26 01 50 51-0151 EA 13-18 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/827/DIR) .....	20.26	
26 01 50 51-0152 EA 13-18 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/830/DIR) .....	20.26	
26 01 50 51-0153 EA 13-18 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/835/DIR) .....	20.26	
26 01 50 51-0154 EA 13-18 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/840/DIR) .....	20.26	
26 01 50 51-0155 EA 26 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 10PLV/827/DIR).....	23.54	
26 01 50 51-0156 EA 26 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 10PLV/830/DIR).....	23.54	
26 01 50 51-0157 EA 26 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 10PLV/835/DIR).....	23.54	
26 01 50 51-0158 EA 26 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 10PLV/840/DIR).....	23.54	
26 01 50 51-0159 EA 26 Watt, 3000K CCT, High CRI, PL EDGE DIRect Series (Green Creative 11PLV/930/DIR) .....	21.90	
26 01 50 51-0160 EA 13-18 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/827/DIR).....	21.90	
26 01 50 51-0161 EA 13-18 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/830/DIR).....	21.90	
26 01 50 51-0162 EA 13-18 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/835/DIR).....	22.99	
26 01 50 51-0163 EA 13-18 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/840/DIR).....	22.99	
26 01 50 51-0164 EA 26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/827/BYP) .....	23.23	
26 01 50 51-0165 EA 26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/830/BYP) .....	23.23	
26 01 50 51-0166 EA 26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/835/BYP) .....	23.23	
26 01 50 51-0167 EA 26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/840/BYP).....	23.23	
26 01 50 51-0168 EA 13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP).....	24.08	
26 01 50 51-0169 EA 13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP).....	24.08	
26 01 50 51-0170 EA 13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/E26) .....	24.08	
26 01 50 51-0171 EA 13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/E26) .....	24.08	
26 01 50 51-0172 EA 13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/E26) .....	24.08	
26 01 50 51-0173 EA 13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/GU24) .....	24.08	
26 01 50 51-0174 EA 13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/GU24) .....	24.08	
26 01 50 51-0175 EA 13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/GU24) .....	24.08	
26 01 50 51-0176 EA 26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/827/BYP).....	32.62	
26 01 50 51-0177 EA 26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/830/BYP).....	32.62	
26 01 50 51-0178 EA 26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/835/BYP).....	32.62	
26 01 50 51-0179 EA 26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/840/BYP).....	30.65	
26 01 50 51-0180 EA 13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 7PLV/835/BYP).....	30.65	
26 01 50 51-0181 EA 13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 7PLV/840/BYP).....	30.65	
26 01 50 51-0182 EA 4 Pin, 6 Watt, 560 Lumens 4000K Horizontal Mount LED PL Lamp (Green Creative 57898) .....	14.89	
<b>26 01 50 51-0183 HID LED Lamps, Medium Base E26 <small>(26 01 50 51-0112)</small></b>		
26 01 50 51-0184 EA 27 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/840/277V/E26) .....	68.36	
26 01 50 51-0185 EA 27 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/850/277V/E26) .....	68.36	
26 01 50 51-0186 EA 45 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/840/277V/E26) .....	88.57	
26 01 50 51-0187 EA 45 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/850/277V/E26) .....	88.57	
26 01 50 51-0188 EA 10 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-3026) .....	53.29	
26 01 50 51-0189 EA 10 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-4026) .....	53.29	
26 01 50 51-0190 EA 10 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-5026) .....	53.29	
26 01 50 51-0191 EA 10 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-6026) .....	53.29	
26 01 50 51-0192 EA 15 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-3026) .....	55.48	
26 01 50 51-0193 EA 15 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-4026) .....	55.48	
26 01 50 51-0194 EA 15 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-5026) .....	55.48	
26 01 50 51-0195 EA 15 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-6026) .....	55.48	
26 01 50 51-0196 EA 20 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-3026) .....	64.22	
26 01 50 51-0197 EA 20 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-4026) .....	64.22	
26 01 50 51-0198 EA 20 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-5026) .....	64.22	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 01 50 51-0199	EA	20 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-6026)	64.22	
26 01 50 51-0200	EA	25 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-3026)	75.15	
26 01 50 51-0201	EA	25 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-4026)	75.15	
26 01 50 51-0202	EA	25 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-5026)	75.15	
26 01 50 51-0203	EA	25 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-6026)	75.15	
26 01 50 51-0204	EA	30 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-3026)	99.19	
26 01 50 51-0205	EA	30 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-4026)	99.19	
26 01 50 51-0206	EA	30 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-5026)	99.19	
26 01 50 51-0207	EA	30 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-6026)	99.19	
26 01 50 51-0208	EA	40 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-3026)	119.96	
26 01 50 51-0209	EA	40 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-4026)	119.96	
26 01 50 51-0210	EA	40 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-5026)	119.96	
26 01 50 51-0211	EA	40 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-6026)	119.96	
26 01 50 51-0212	EA	60 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-3026)	134.16	
26 01 50 51-0213	EA	60 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-4026)	134.16	
26 01 50 51-0214	EA	60 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-5026)	134.16	
26 01 50 51-0215	EA	60 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-6026)	134.16	
26 01 50 51-0216	EA	80 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-3026)	185.53	
26 01 50 51-0217	EA	80 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-4026)	185.53	
26 01 50 51-0218	EA	80 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-5026)	185.53	
26 01 50 51-0219	EA	80 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-6026)	185.53	
26 01 50 51-0220	EA	100 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-3026)	192.09	
26 01 50 51-0221	EA	100 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-4026)	192.09	
26 01 50 51-0222	EA	100 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-5026)	192.09	
26 01 50 51-0223	EA	100 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-6026)	192.09	
26 01 50 51-0224	EA	120 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-3026)	230.34	
26 01 50 51-0225	EA	120 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-4026)	230.34	
26 01 50 51-0226	EA	120 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-5026)	230.34	
26 01 50 51-0227	EA	120 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-6026)	230.34	
26 01 50 51-0228	EA	150 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-3026)	276.24	
26 01 50 51-0229	EA	150 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-4026)	276.24	
26 01 50 51-0230	EA	150 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-5026)	276.24	
26 01 50 51-0231	EA	150 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-6026)	276.24	
26 01 50 51-0232	EA	20 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED20WPT40KMED-G6)	86.35	
26 01 50 51-0233	EA	20 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED20WPT50KMED-G6)	94.00	
26 01 50 51-0234	EA	27 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED27WPT40KMED-G5)	94.00	
26 01 50 51-0235	EA	27 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED27WPT50KMED-G5)	86.35	
26 01 50 51-0236	EA	36 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED36WPT40KMED-G5)	110.39	
26 01 50 51-0237	EA	36 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED36WPT50KMED-G5)	100.55	
26 01 50 51-0238	EA	45 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED45WPT40KMED-G5)	122.41	
26 01 50 51-0239	EA	45 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED45WPT50KMED-G5)	121.12	
26 01 50 51-0240	EA	54 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED54WPT40KMED-G5)	124.05	
26 01 50 51-0241	EA	54 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED54WPT50KMED-G5)	124.05	
26 01 50 51-0242	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED27WPT40KMED-G7)	72.17	
26 01 50 51-0243	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED27WPT50KMED-G7)	72.17	
26 01 50 51-0244	EA	36 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED36WPT40KMED-G7)	82.28	
26 01 50 51-0245	EA	36 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED36WPT50KMED-G7)	82.28	
26 01 50 51-0246	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED45WPT40KMED-G7)	89.00	
26 01 50 51-0247	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED45WPT50KMED-G7)	89.00	
26 01 50 51-0248	EA	54 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED54WPT40KMED-G7)	99.10	
26 01 50 51-0249	EA	54 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED54WPT50KMED-G7)	99.10	
26 01 50 51-0250	EA	20 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-20W8-55K-E26)	99.63	
26 01 50 51-0251	EA	30 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-30W8-55K-E26)	108.59	
26 01 50 51-0252	EA	40 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-40W8-55K-E26)	136.89	
26 01 50 51-0253	EA	50 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-50W8-55K-E26)	151.54	
26 01 50 51-0254	EA	10 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-10W12-55K-E26)	55.04	
26 01 50 51-0255	EA	15 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-15W12-55K-E26)	62.90	
26 01 50 51-0256	EA	20 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-20W12-55K-E26)	66.84	
26 01 50 51-0257	EA	25 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-25W12-55K-E26)	74.16	
26 01 50 51-0258	EA	15 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148015-UNV)	90.69	
26 01 50 51-0259	EA	20 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148020-UNV)	107.51	
26 01 50 51-0260	EA	25 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148025-UNV)	149.54	
26 01 50 51-0261	EA	30 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148030-UNV)	157.94	
26 01 50 51-0262	EA	35 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148035-UNV)	171.40	
26 01 50 51-0263	EA	40 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148040-UNV)	179.80	
26 01 50 51-0264	EA	60 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148060-UNV)	262.19	
26 01 50 51-0265	EA	20 Watts, 5000K CCT, 120-277 Volts, E26 (Medium) Base, LED Retrofit Omni-Directional Lamp (HYLITE HL-IOD-20W-E26-50K)	59.20	

### 26 01 50 51-0266 HID LED Lamps, Mogul Base E39 Or EX39 (26 01 50 51-0112)

26 01 50 51-0267	EA	120 Watt, 2700K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/827/277V/EX39)	247.89	
26 01 50 51-0268	EA	120 Watt, 5000K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/850/277V/EX39)	247.89	
26 01 50 51-0269	EA	120 Watt, 5700 CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/857/277V/EX39)	247.89	
26 01 50 51-0270	EA	27 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/830/277V/EX39)	68.36	
26 01 50 51-0271	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/840/277V/EX39/R)	68.36	
26 01 50 51-0272	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/850/277V/EX39)	68.36	
26 01 50 51-0273	EA	45 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/830/277V/EX39)	88.57	
26 01 50 51-0274	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/840/277V/EX39/R)	88.57	
26 01 50 51-0275	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/850/277V/EX39)	88.57	
26 01 50 51-0276	EA	80 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 80HID/850/277V/EX39)	170.53	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0277	EA			80 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-3039) .....	185.53	
26 01 50 51-0278	EA			80 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-4039) .....	185.53	
26 01 50 51-0279	EA			80 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-5039) .....	185.53	
26 01 50 51-0280	EA			80 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-6039) .....	185.53	
26 01 50 51-0281	EA			100 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-3039) .....	192.09	
26 01 50 51-0282	EA			100 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-4039) .....	192.09	
26 01 50 51-0283	EA			100 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-5039) .....	192.09	
26 01 50 51-0284	EA			100 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-6039) .....	192.09	
26 01 50 51-0285	EA			120 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-3039) .....	230.34	
26 01 50 51-0286	EA			120 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-4039) .....	230.34	
26 01 50 51-0287	EA			120 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-5039) .....	230.34	
26 01 50 51-0288	EA			120 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-6039) .....	230.34	
26 01 50 51-0289	EA			150 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-3039) .....	276.24	
26 01 50 51-0290	EA			150 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-4039) .....	276.24	
26 01 50 51-0291	EA			150 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-5039) .....	276.24	
26 01 50 51-0292	EA			150 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-6039) .....	276.24	
26 01 50 51-0293	EA			27 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT40KMOG-G5) .....	94.00	
26 01 50 51-0294	EA			27 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT50KMOG-G5) .....	94.00	
26 01 50 51-0295	EA			36 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT40KMOG-G5) .....	110.39	
26 01 50 51-0296	EA			36 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT50KMOG-G5) .....	108.88	
26 01 50 51-0297	EA			45 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT40KMOG-G5) .....	122.41	
26 01 50 51-0298	EA			45 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT50KMOG-G5) .....	121.12	
26 01 50 51-0299	EA			54 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT40KMOG-G5) .....	124.05	
26 01 50 51-0300	EA			54 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT50KMOG-G5) .....	120.25	
26 01 50 51-0301	EA			100 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED100WPT40KMOG-G5) .....	268.86	
26 01 50 51-0302	EA			20 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT180/40KMOG-G7) .....	93.96	
26 01 50 51-0303	EA			20 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT180/50KMOG-G7) .....	93.96	
26 01 50 51-0304	EA			30 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT180/40KMOG-G7) .....	107.56	
26 01 50 51-0305	EA			30 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT180/50KMOG-G7) .....	107.56	
26 01 50 51-0306	EA			40 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT180/40KMOG-G7) .....	115.74	
26 01 50 51-0307	EA			40 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT180/50KMOG-G7) .....	115.74	
26 01 50 51-0308	EA			27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT40KMOG-G7) .....	72.04	
26 01 50 51-0309	EA			27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT50KMOG-G7) .....	72.04	
26 01 50 51-0310	EA			36 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT40KMOG-G7) .....	82.28	
26 01 50 51-0311	EA			36 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT50KMOG-G7) .....	82.28	
26 01 50 51-0312	EA			45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT40KMOG-G7) .....	89.00	
26 01 50 51-0313	EA			45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT50KMOG-G7) .....	89.00	
26 01 50 51-0314	EA			54 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT40KMOG-G7) .....	99.10	
26 01 50 51-0315	EA			54 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT50KMOG-G7) .....	99.10	
26 01 50 51-0316	EA			65 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-65W8-55K-E39) .....	184.22	
26 01 50 51-0317	EA			80 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-80W8-55K-E39) .....	214.16	
26 01 50 51-0318	EA			100 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-100W8-55K-E39) .....	256.78	
26 01 50 51-0319	EA			120 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-120W8-55K-E39) .....	507.78	
26 01 50 51-0320	EA			150 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-150W8-55K-E39) .....	479.11	
26 01 50 51-0321	EA			200 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-200W8-55K-E39) .....	507.78	
26 01 50 51-0322	EA			250 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-250W8-55K-E39) .....	510.01	
26 01 50 51-0323	EA			24 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M30-A) .....	71.54	
26 01 50 51-0324	EA			24 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M40-A) .....	71.54	
26 01 50 51-0325	EA			24 Watt, 5700K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M57-A) .....	71.54	
26 01 50 51-0326	EA			100 Watt, Mogul Base E39, LED Area Lamp (MaxLite AR100LED50) .....	219.30	
26 01 50 51-0327	EA			115 Watt, 4000K CCT, Mogul Base EX39, HID LED Lamp (Keystone KT-LED115HID-V-EX39-840-D) .....	230.70	
26 01 50 51-0328	EA			40 Watts, 120-277 Volts, 5000K CCT, E39 Base, LED Arc-Cob Lamp (HYLITE HL-AC-40W-E39-50K) .....	169.91	
26 01 50 51-0329	EA			100 Watts, 480 Volts, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-100W-E39-50K) .....	201.55	
26 01 50 51-0330	EA			45 Watts, 120-277 Volts, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-45W-E39-50K) .....	84.50	
26 01 50 51-0331	EA			40 Watt, 5680 Lumens, Mogul Base E39, LED Directional Flood Lamp (HYLITE HL-IDL-40W-E39-50K) .....	158.71	
26 01 50 51-0332				<b>LED Lamps, 2G11 Base</b> <small>(26 01 50 51-0112)</small>		
26 01 50 51-0333	EA			19 Watt, 1550 Lumens, 3500K, 2G11 Base, Dimmable LED Lamp (Green Creative 14.5PLL/835/DIR) .....	26.89	
26 01 50 51-0334				<b>LED Lamps, GX23 Base</b> <small>(26 01 50 51-0112)</small>		
26 01 50 51-0335	EA			5 Watt, 580 Lumens, 2 Pin GX23 Base, Dimmable LED Lamp (Lunera HN-H-GX23-U-5W-840-G4) .....	13.40	
26 01 50 51-0336				<b>LED Lamps, G24 Base</b> <small>(26 01 50 51-0112)</small>		
26 01 50 51-0337	EA			5.5 Watt, 500 Lumens, G24 Base, LED Lamp (Green Creative 5.5PLH/835/DIR/R) .....	17.31	
26 01 50 51-0338				<b>LED Tubes (Fluorescent Lamp Replacement)</b> <small>(26 01 50 51-0112)</small>		
26 01 50 51-0339	EA			2', 1,250 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24IN-4000K) .....	24.03	
				<i>For Multiple Lamps In Fixture, Deduct</i> .....	-1.94	
26 01 50 51-0340	EA			2', 1,900 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24INU-4000K) .....	31.17	
				<i>For Multiple Lamps In Fixture, Deduct</i> .....	-1.94	
26 01 50 51-0341	EA			3', 1,900 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-36IN-4000K) .....	25.88	
				<i>For Multiple Lamps In Fixture, Deduct</i> .....	-2.06	

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0342	EA	4'	1,900 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-48IN-4000K).....	28.33	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-2.18	
26 01 50 51-0343	EA	4'	2,200 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2HO-T8-48IN-4000K).....	31.01	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-2.18	
26 01 50 51-0344	EA	4'	2,539 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02018TBN).....	19.64	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-2.18	
26 01 50 51-0345	EA	2'	1,348 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02010TBN).....	18.91	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.94	
26 01 50 51-0346	EA	2'	1,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED9T8/L24/FG/835/BF).....	17.25	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.94	
26 01 50 51-0347	EA	3'	1,650 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED12T8/L36/FG/835/BF).....	17.55	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-2.06	
26 01 50 51-0348	EA	4'	1,700 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED14T8/L48/FG/835/BF).....	17.58	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-2.18	
26 01 50 51-0349	EA	4'	2,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED17T8/L48/FG/835/BF).....	18.21	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-2.18	
<b>26 01 50 51-0350</b>			<b>Filament LED Lamps</b> <small>(26 01 50 51-0112)</small>		
26 01 50 51-0351	EA	7.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 7.5FA19DIM/827 ).....	19.70		
26 01 50 51-0352	EA	4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5A19DIM/827/R ).....	19.70		
26 01 50 51-0353	EA	4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5FA19DIM/827).....	18.61		
26 01 50 51-0354	EA	4.5 Watt, 2400 CCT, Amber A19 Filament LED Lamp (Green Creative 4.5FA19DIM/824/A).....	18.61		
26 01 50 51-0355	EA	4.5 Watt, 2700K CCT, Clear G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/827).....	20.36		
26 01 50 51-0356	EA	4.5 Watt, 2400 CCT, Amber G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/824/A).....	20.36		
26 01 50 51-0357	EA	3.5 Watt, 2700K CCT, Clear B10 Candle Filament LED Lamp (Green Creative 3.5FB10DIM/827).....	16.42		
26 01 50 51-0358	EA	3.5 Watt, 2700K CCT, Clear B11 Candle Filament LED Lamp (Green Creative 3.5FB11DIM/827/E26).....	16.42		
26 01 50 51-0359	EA	3.5 Watt, 2400 CCT, Amber B10 Candle Filament LED Lamp (Green Creative 3.5FBA10DIM/824/FT/A).....	17.08		
26 01 50 51-0360	EA	3.5 Watt, 2400 CCT, Amber ST19 Filament LED Lamp (Green Creative 5FST19DIM/824/A).....	21.89		
26 01 50 51-0361	EA	4.5 Watt, 120 Volt 450 Lumens ULTRA LED Filament Lamp (Sylvania 79521).....	13.00		
<b>26 01 50 51-0362</b>			<b>Other Lamps</b> <small>(26 01 50 51-0112)</small>		
26 01 50 51-0363	EA	8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 8A19/END/2700 DIM 6/1).....	18.43		
26 01 50 51-0364	EA	8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 7A19/2700 DIM).....	18.43		
26 01 50 51-0365	EA	11 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 11A19/2700 DIM).....	18.43		
26 01 50 51-0366	EA	12 Watt, Medium Base, Dimmable BR40 LED Lamp (Philips 12BR40/F90 2700 DIM AF 6/1).....	19.52		
26 01 50 51-0367	EA	13 Watt, Medium Base, Dimmable PAR38 LED Single Optic Lamp (Philips 13PAR38/S15 4000 DIM AF SO 6/1).....	19.52		
26 01 50 51-0368	EA	8 Watt, Medium Base, Dimmable PAR20 LED Lamp (Philips 8PAR20/END/F36 3000 DIM 6/1).....	19.52		
<b>26 01 50 51-0369</b>			<b>LED Lamps, Light Engines, Round, LER Series</b> <small>(26 01 50 51-0112)</small>		
26 01 50 51-0370	EA	5.5" Diameter, 17 Watt, 3000K Round LED Light Engine (Maxlite LER5.5A1730).....	31.45		
26 01 50 51-0371	EA	9 Watt, 120 Volt, 800 Lumens, 2700K, Omnidirectional Ultra LED A-line Lamp (Sylvania LED9A19/DIM/O/827/U).....	18.47		
<b>26 01 50 51-0372</b>			<b>Recycle Hazardous Lamps</b> <small>(26 01 50 51)</small>		
			Note: Includes containers, shipping costs and recycling fees. Excludes lamp removal.		
26 01 50 51-0373	EA	Recycle 2' Length Linear Fluorescent Lamps.....	0.26		
26 01 50 51-0374	EA	Recycle 3' Length Linear Fluorescent Lamps.....	0.39		
26 01 50 51-0375	EA	Recycle 4' Length Linear Fluorescent Lamps.....	0.53		
26 01 50 51-0376	EA	Recycle 6' Length Linear Fluorescent Lamps.....	0.79		
26 01 50 51-0377	EA	Recycle 8' Length Linear Fluorescent Lamps.....	1.05		
26 01 50 51-0378	EA	Recycle Compact Fluorescent Lamps.....	0.47		
26 01 50 51-0379	EA	Recycle U-Shaped Or Circular Fluorescent Lamps.....	0.47		
26 01 50 51-0380	EA	Recycle High Intensity Discharge (HID) Lamps.....	1.64		
<b>26 01 50 52</b>			<b>Ballasts Replacement</b> <small>(26 01 50)</small>		
26 01 50 52-0001			<b>Lighting Ballasts</b> <small>(26 01 50 52)</small>		
			Note: Excludes recycling fees. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 52-0002			<b>Fluorescent Ballasts</b> <small>(26 01 50 52-0001)</small>		
26 01 50 52-0003			<b>T5 Fluorescent Ballasts</b> <small>(26 01 50 52-0002)</small>		
26 01 50 52-0004			<b>T5 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0003)</small>		
			Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0005			<b>14 Watt, T5 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0004)</small>		
26 01 50 52-0006	EA	1 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	71.50	14.70	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.41		
		<i>For High Ballast Factor, Add</i>	3.99		
26 01 50 52-0007	EA	2 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	75.18	18.38	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.51		
		<i>For High Ballast Factor, Add</i>	3.99		
26 01 50 52-0008			<b>21 Watt, T5 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0004)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0009 EA 1 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add</i>	71.50 4.41 3.99	14.70
26 01 50 52-0010 EA 2 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add</i>	75.18 5.51 3.99	18.38
<b>26 01 50 52-0011 28 Watt, T5 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0004)</small>		
26 01 50 52-0012 EA 1 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add</i>	71.50 4.41 3.99	14.70
26 01 50 52-0013 EA 2 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add</i>	75.18 5.51 3.99	18.38
<b>26 01 50 52-0014 35 Watt, T5 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0004)</small>		
26 01 50 52-0015 EA 1 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.50 4.41	14.70
26 01 50 52-0016 EA 2 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.18 5.51	18.38
<b>26 01 50 52-0017 54 Watt, T5 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0004)</small>		
26 01 50 52-0018 EA 1 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.42 4.41	14.70
26 01 50 52-0019 EA 2 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.10 5.51	18.38
26 01 50 52-0020 EA 3 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	102.63 6.62	22.06
26 01 50 52-0021 EA 4 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	106.30 7.72	25.73
<b>26 01 50 52-0022 High-Output, T5HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0003)</small> Note: Includes 120/277 Volt and normal ballast factor.		
<b>26 01 50 52-0023 12 Watt, High-Output, T5HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0022)</small>		
26 01 50 52-0024 EA 1 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.17 4.41	14.70
26 01 50 52-0025 EA 2 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.85 5.51	18.38
<b>26 01 50 52-0026 24 Watt, High-Output, T5HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0022)</small>		
26 01 50 52-0027 EA 1 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.28 4.41	14.70
26 01 50 52-0028 EA 2 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.96 5.51	18.38
<b>26 01 50 52-0029 39 Watt, High-Output, T5HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0022)</small>		
26 01 50 52-0030 EA 1 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.28 4.41	14.70
26 01 50 52-0031 EA 2 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.96 5.51	18.38
<b>26 01 50 52-0032 54 Watt, High-Output, T5HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0022)</small>		
26 01 50 52-0033 EA 1 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.17 4.41	14.70
26 01 50 52-0034 EA 2 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.85 5.51	18.38
<b>26 01 50 52-0035 Dimming, T5 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0003)</small>		
<b>26 01 50 52-0036 Step Dimming, T5 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0035)</small> Note: Includes 120/277 Volt and normal ballast factor.		
<b>26 01 50 52-0037 28 Watt, Step Dimming, T5 Fluorescent Electronic Ballast</b> <small>(26 01 50 52-0036)</small>		
26 01 50 52-0038 EA 2 Lamp, 28 Watt, Programmed Start, Step Dimming, T5 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.24 5.51	18.38
<b>26 01 50 52-0039 Dimming To 5%, T5 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0035)</small> Note: Includes 120/277 Volt and normal ballast factor.		
<b>26 01 50 52-0040 54 Watt, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0039)</small>		
26 01 50 52-0041 EA 1 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	249.83 4.41	14.70

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0042 EA 2 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	246.66 5.51	18.38
<b>26 01 50 52-0043 T8 Fluorescent Ballasts</b> (26 01 50 52-0002)		
<b>26 01 50 52-0044 T8 Fluorescent Electronic Ballasts</b> (26 01 50 52-0043) Note: Includes 120/277 Volt and low or normal ballast factor.		
<b>26 01 50 52-0045 17 Watt, T8 Fluorescent Electronic Ballasts</b> (26 01 50 52-0044)		
26 01 50 52-0046 EA 1 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	32.04 4.41 9.70	14.70
26 01 50 52-0047 EA 1 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	55.38 4.41 6.38	14.70
26 01 50 52-0048 EA 2 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	35.72 5.51 9.70	18.38
26 01 50 52-0049 EA 2 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	59.06 5.51 6.38	18.38
26 01 50 52-0050 EA 3 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	43.50 6.62 9.45	22.06
26 01 50 52-0051 EA 3 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	66.33 6.62 5.42	22.06
26 01 50 52-0052 EA 4 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	49.84 7.72 23.92	25.73
26 01 50 52-0053 EA 4 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	72.80 7.72 13.96	25.73
<b>26 01 50 52-0054 25 Watt, T8 Fluorescent Electronic Ballasts</b> (26 01 50 52-0044)		
26 01 50 52-0055 EA 1 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	32.04 4.41 9.70	14.70
26 01 50 52-0056 EA 1 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	55.38 4.41 6.38	14.70
26 01 50 52-0057 EA 2 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	35.72 5.51 9.70	18.38
26 01 50 52-0058 EA 2 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	59.06 5.51 6.38	18.38
26 01 50 52-0059 EA 3 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	43.50 6.62 9.45	22.06
26 01 50 52-0060 EA 3 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	66.33 6.62 5.42	22.06
26 01 50 52-0061 EA 4 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	49.84 7.72 23.92	25.73
26 01 50 52-0062 EA 4 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	72.80 7.72 13.96	25.73
<b>26 01 50 52-0063 28 Watt, T8 Fluorescent Electronic Ballasts</b> (26 01 50 52-0044)		
26 01 50 52-0064 EA 1 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	32.04 4.41 9.70	14.70
26 01 50 52-0065 EA 1 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	55.38 4.41 6.38	14.70
26 01 50 52-0066 EA 2 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	35.72 5.51 9.70	18.38
26 01 50 52-0067 EA 2 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	59.06 5.51 6.38	18.38
26 01 50 52-0068 EA 3 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	43.50 6.62 9.45	22.06
26 01 50 52-0069 EA 3 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	66.33 6.62 5.42	22.06
26 01 50 52-0070 EA 4 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> <i>For High Ballast Factor, Add</i>	49.84 7.72 23.92	25.73



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0071 EA 4 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add</i>	72.80 7.72 13.96	25.73
<b>26 01 50 52-0072 32 Watt, T8 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0044)</small>		
26 01 50 52-0073 EA 1 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add</i>	32.04 4.41 9.70	14.70
26 01 50 52-0074 EA 1 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add</i>	55.38 4.41 6.38	14.70
26 01 50 52-0075 EA 2 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add</i>	35.72 5.51 9.70	18.38
26 01 50 52-0076 EA 2 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add</i>	59.06 5.51 6.38	18.38
26 01 50 52-0077 EA 3 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add</i>	43.50 6.62 9.45	22.06
26 01 50 52-0078 EA 3 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add</i>	66.33 6.62 5.42	22.06
26 01 50 52-0079 EA 4 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add</i>	49.84 7.72 23.92	25.73
26 01 50 52-0080 EA 4 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add</i>	72.80 7.72 13.96	25.73
<b>26 01 50 52-0081 40 Watt, T8 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0044)</small>		
26 01 50 52-0082 EA 1 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add</i>	50.44 4.41 4.15	14.70
26 01 50 52-0083 EA 1 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add</i>	55.38 4.41 6.38	14.70
26 01 50 52-0084 EA 2 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add</i>	54.12 5.51 4.15	18.38
26 01 50 52-0085 EA 2 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add</i>	59.06 5.51 6.38	18.38
26 01 50 52-0086 EA 3 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add</i>	67.53 6.62 2.55	22.06
26 01 50 52-0087 EA 3 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add</i>	66.33 6.62 2.55	22.06
26 01 50 52-0088 EA 4 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add</i>	71.20 7.72 2.55	25.73
26 01 50 52-0089 EA 4 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add</i>	72.80 7.72	25.73
<b>26 01 50 52-0090 96 Watt, T8 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0044)</small>		
26 01 50 52-0091 EA 1 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add</i>	60.17 4.41 8.89	14.70
26 01 50 52-0092 EA 2 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add</i>	63.85 5.51 8.89	18.38
<b>26 01 50 52-0093 High-Output, T8HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0043)</small> Note: Includes 120/277 Volt and normal ballast factor.		
<b>26 01 50 52-0094 48 Watt, High-Output, T8HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0093)</small>		
26 01 50 52-0095 EA 1 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.70 4.41	14.70
26 01 50 52-0096 EA 1 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.33 4.41	14.70
26 01 50 52-0097 EA 2 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.38 5.51	18.38
26 01 50 52-0098 EA 2 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	98.01 5.51	18.38
<b>26 01 50 52-0099 60 Watt, High-Output, T8HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0093)</small>		
26 01 50 52-0100 EA 1 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.70 4.41	14.70

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0101	EA		1 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	94.33	14.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.41	
26 01 50 52-0102	EA		2 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	76.38	18.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.51	
26 01 50 52-0103	EA		2 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	98.01	18.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.51	
<b>26 01 50 52-0104</b>			<b>72 Watt, High-Output, T8HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0093)</small>		
26 01 50 52-0105	EA		1 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	72.70	14.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.41	
26 01 50 52-0106	EA		1 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	94.33	14.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.41	
26 01 50 52-0107	EA		2 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	76.38	18.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.51	
26 01 50 52-0108	EA		2 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	98.01	18.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.51	
<b>26 01 50 52-0109</b>			<b>96 Watt, High-Output, T8HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0093)</small>		
26 01 50 52-0110	EA		1 Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	72.70	14.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.41	
26 01 50 52-0111	EA		1 Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	94.33	14.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.41	
26 01 50 52-0112	EA		2 Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast.....	76.38	18.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.51	
26 01 50 52-0113	EA		2 Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast.....	98.01	18.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.51	
<b>26 01 50 52-0114</b>			<b>Dimming, T8 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0043)</small>		
<b>26 01 50 52-0115</b>			<b>Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0114)</small>		
			Note: Includes 120/277 Volt and high ballast factor.		
<b>26 01 50 52-0116</b>			<b>17 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0115)</small>		
26 01 50 52-0117	EA		1 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast .....	39.80	14.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.41	
26 01 50 52-0118	EA		2 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast .....	43.48	18.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.51	
26 01 50 52-0119	EA		3 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast .....	50.13	22.06
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.62	
26 01 50 52-0120	EA		4 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast .....	60.42	25.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.72	
26 01 50 52-0121	EA		5 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast .....	90.45	29.41
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.82	
26 01 50 52-0122	EA		6 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast .....	94.13	33.09
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
<b>26 01 50 52-0123</b>			<b>25 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0115)</small>		
26 01 50 52-0124	EA		1 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast .....	39.80	14.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.41	
26 01 50 52-0125	EA		2 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast .....	43.48	18.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.51	
26 01 50 52-0126	EA		3 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast .....	50.13	22.06
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.62	
26 01 50 52-0127	EA		4 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast .....	60.42	25.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.72	
26 01 50 52-0128	EA		5 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast .....	90.45	29.41
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.82	
26 01 50 52-0129	EA		6 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast .....	94.13	33.09
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
<b>26 01 50 52-0130</b>			<b>28 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0115)</small>		
26 01 50 52-0131	EA		1 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast .....	39.80	14.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.41	
26 01 50 52-0132	EA		2 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast .....	43.48	18.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.51	
26 01 50 52-0133	EA		3 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast .....	50.13	22.06
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.62	
26 01 50 52-0134	EA		4 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast .....	60.42	25.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.72	
26 01 50 52-0135	EA		5 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast .....	90.45	29.41
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.82	
26 01 50 52-0136	EA		6 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast .....	94.13	33.09
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
<b>26 01 50 52-0137</b>			<b>32 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0115)</small>		





**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0176 EA 3 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	48.81	22.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.62	
26 01 50 52-0177 EA 4 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	60.42	25.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.72	
26 01 50 52-0178 EA 5 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	86.23	29.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.82	
26 01 50 52-0179 EA 6 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	89.91	33.09
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
<b>26 01 50 52-0180 40 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts (26 01 50 52-0151)</b>		
26 01 50 52-0181 EA 1 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	39.80	14.70
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.41	
26 01 50 52-0182 EA 2 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	43.48	18.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.51	
26 01 50 52-0183 EA 3 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	48.81	22.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.62	
26 01 50 52-0184 EA 4 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	60.42	25.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.72	
26 01 50 52-0185 EA 5 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	86.23	29.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.82	
26 01 50 52-0186 EA 6 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast.....	89.91	33.09
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
<b>26 01 50 52-0187 Dimming To 3%, T8 Fluorescent Electronic Ballasts (26 01 50 52-0114)</b>		
Note: Includes 120/277 Volt and normal ballast factor.		
<b>26 01 50 52-0188 17 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts (26 01 50 52-0187)</b>		
26 01 50 52-0189 EA 1 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast .....	89.29	14.70
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.41	
26 01 50 52-0190 EA 2 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast .....	92.97	18.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.51	
26 01 50 52-0191 EA 3 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast .....	111.09	22.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.62	
26 01 50 52-0192 EA 4 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast .....	114.76	25.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.72	
<b>26 01 50 52-0193 25 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts (26 01 50 52-0187)</b>		
26 01 50 52-0194 EA 1 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast .....	89.29	14.70
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.41	
26 01 50 52-0195 EA 2 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast .....	92.97	18.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.51	
26 01 50 52-0196 EA 3 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast .....	111.09	22.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.62	
26 01 50 52-0197 EA 4 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast .....	114.76	25.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.72	
<b>26 01 50 52-0198 28 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts (26 01 50 52-0187)</b>		
26 01 50 52-0199 EA 1 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast .....	89.29	14.70
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.41	
26 01 50 52-0200 EA 2 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast .....	92.97	18.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.51	
26 01 50 52-0201 EA 3 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast .....	111.09	22.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.62	
26 01 50 52-0202 EA 4 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast .....	114.76	25.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.72	
<b>26 01 50 52-0203 32 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts (26 01 50 52-0187)</b>		
26 01 50 52-0204 EA 1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast .....	89.29	14.70
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.41	
26 01 50 52-0205 EA 2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast .....	92.97	18.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.51	
26 01 50 52-0206 EA 3 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast .....	111.09	22.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.62	
26 01 50 52-0207 EA 4 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast .....	114.76	25.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.72	
<b>26 01 50 52-0208 T10 Fluorescent Ballasts (26 01 50 52-0002)</b>		
<b>26 01 50 52-0209 T10 Fluorescent Electronic Ballasts (26 01 50 52-0208)</b>		
Note: Includes 120/277 Volt and normal ballast factor.		
<b>26 01 50 52-0210 40 Watt, T10 Fluorescent Electronic Ballasts (26 01 50 52-0209)</b>		
26 01 50 52-0211 EA 1 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast.....	44.85	14.70
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.41	
26 01 50 52-0212 EA 2 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast.....	48.53	18.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0213 EA 3 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.47 6.62	22.06
<b>26 01 50 52-0214 T12 Fluorescent Ballasts</b> <small>(26 01 50 52-0002)</small>		
<b>26 01 50 52-0215 T12 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0214)</small> Note: Includes 120/277 Volt and normal ballast factor.		
<b>26 01 50 52-0216 25 Watt, T12 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0215)</small>		
26 01 50 52-0217 EA 1 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.04 4.41	14.70
26 01 50 52-0218 EA 1 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.85 4.41	14.70
26 01 50 52-0219 EA 2 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.72 5.51	18.38
26 01 50 52-0220 EA 2 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.53 5.51	18.38
26 01 50 52-0221 EA 3 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.50 6.62	22.06
26 01 50 52-0222 EA 4 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.84 7.72	25.73
<b>26 01 50 52-0223 30 Watt, T12 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0215)</small>		
26 01 50 52-0224 EA 1 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.85 4.41	14.70
26 01 50 52-0225 EA 2 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.53 5.51	18.38
26 01 50 52-0226 EA 3 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.47 6.62	22.06
<b>26 01 50 52-0227 34 Watt, T12 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0215)</small>		
26 01 50 52-0228 EA 1 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.85 4.41	14.70
26 01 50 52-0229 EA 2 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.53 5.51	18.38
26 01 50 52-0230 EA 3 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.47 6.62	22.06
<b>26 01 50 52-0231 40 Watt, T12 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0215)</small>		
26 01 50 52-0232 EA 1 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.85 4.41	14.70
26 01 50 52-0233 EA 2 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.53 5.51	18.38
26 01 50 52-0234 EA 3 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.47 6.62	22.06
<b>26 01 50 52-0235 96 Watt, T12 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0215)</small>		
26 01 50 52-0236 EA 1 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.94 4.41	14.70
26 01 50 52-0237 EA 2 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.85 5.51	18.38
<b>26 01 50 52-0238 High-Output, T12HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0214)</small> Note: Includes 120/277 Volt and normal ballast factor.		
<b>26 01 50 52-0239 48 Watt, High-Output, T12HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0238)</small>		
26 01 50 52-0240 EA 1 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.93 4.41	14.70
26 01 50 52-0241 EA 2 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.61 5.51	18.38
<b>26 01 50 52-0242 60 Watt, High-Output, T12HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0238)</small>		
26 01 50 52-0243 EA 1 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.93 4.41	14.70
26 01 50 52-0244 EA 2 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.61 5.51	18.38
<b>26 01 50 52-0245 72 Watt, High-Output, T12HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0238)</small>		
26 01 50 52-0246 EA 1 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.93 4.41	14.70
26 01 50 52-0247 EA 2 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.61 5.51	18.38

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 01 50 52-0248 96 Watt, High-Output, T12HO Fluorescent Electronic Ballasts</b> (26 01 50 52-0238)		
26 01 50 52-0249 EA 2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast .....	72.93	14.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.41	
26 01 50 52-0250 EA 2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast .....	76.61	18.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.51	
<b>26 01 50 52-0251 Emergency Fluorescent Ballasts</b> (26 01 50 52-0002)		
Note: 120/277 Volt.		
26 01 50 52-0252 EA One Lamp, 350-450 Lumens, Code Compliance, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B100).....	114.64	14.70
For Factory Installation In New Fixtures, Deduct	-29.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.82	
26 01 50 52-0253 EA Two Lamp, 600-700 Lumens, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B60) .....	188.24	18.38
For Factory Installation In New Fixtures, Deduct	-30.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.26	
26 01 50 52-0254 EA One Or Two Lamp, 1,100-1,400 Lumens, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50) .....	233.73	18.38
For Factory Installation In New Fixtures, Deduct	-30.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.26	
26 01 50 52-0255 EA One Or Two Lamp, 600-700 Lumens, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine B70A) .....	173.04	18.38
For Factory Installation In New Fixtures, Deduct	-30.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.26	
26 01 50 52-0256 EA Two Or Three Lamp, 2,700-3,400 Lumens, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B33) .....	809.05	22.06
For Factory Installation In New Fixtures, Deduct	-32.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.70	
26 01 50 52-0257 EA One Lamp, 225-450 Lumens, Four Hour Illumination, Emergency Fluorescent Ballast (Bodine B54).....	237.05	14.70
For Factory Installation In New Fixtures, Deduct	-29.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.82	
26 01 50 52-0258 EA One Or Two Lamp, 325-1,000 Lumens, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B84CG) .....	396.88	18.38
For Factory Installation In New Fixtures, Deduct	-30.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.26	
26 01 50 52-0259 EA One Or Two Lamp, 300-750 Lumens, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B94CG) .....	218.75	18.38
For Factory Installation In New Fixtures, Deduct	-30.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.26	
26 01 50 52-0260 EA One Lamp, 200-625 Lumens, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B413).....	298.01	14.70
For Factory Installation In New Fixtures, Deduct	-29.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.82	
26 01 50 52-0261 EA One Lamp, 300-650 Lumens, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B463) .....	231.24	14.70
For Factory Installation In New Fixtures, Deduct	-29.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.82	
26 01 50 52-0262 EA One Or Two Lamp, 450-950 Lumens, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B426) .....	261.12	18.38
For Factory Installation In New Fixtures, Deduct	-30.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.26	
26 01 50 52-0263 EA One Or Two Lamp, 1,100-1,400 Lumens, Ninety Minute Illumination, Damp Location, Emergency Fluorescent Ballast (Bodine BDL500) .....	282.52	18.38
For Factory Installation In New Fixtures, Deduct	-30.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.26	
26 01 50 52-0264 EA Two Lamp, 600-700 Lumens, Damp Location, Emergency Fluorescent Ballast (Bodine BDL600) .....	237.89	18.38
For Factory Installation In New Fixtures, Deduct	-30.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.26	
26 01 50 52-0265 EA One Lamp, 600-700 Lumens, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine BDL700).....	241.48	14.70
For Factory Installation In New Fixtures, Deduct	-29.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.82	
26 01 50 52-0266 EA One Lamp, 500-600 Lumens, Damp Location, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine BDL900) .....	210.54	14.70
For Factory Installation In New Fixtures, Deduct	-29.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.82	
26 01 50 52-0267 EA One Or Two Lamp, 300-750 Lumens, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine BDL94C) .....	218.75	18.38
For Factory Installation In New Fixtures, Deduct	-30.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.26	
26 01 50 52-0268 EA One Lamp, 450 Lumens, Low Profile, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine LP400).....	213.88	14.70
For Factory Installation In New Fixtures, Deduct	-29.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.82	
26 01 50 52-0269 EA One Or Two Lamp, 1,100-1,400 Lumens, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50ST) .....	390.66	18.38
For Factory Installation In New Fixtures, Deduct	-30.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.26	
26 01 50 52-0270 EA One Or Two Lamp, 1,800-3,500 Lumens, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30ST) .....	488.25	18.38
For Factory Installation In New Fixtures, Deduct	-30.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.26	
26 01 50 52-0271 EA One Or Two Lamp, 1,450-3,500 Lumens, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30RCT).....	912.78	18.38
For Factory Installation In New Fixtures, Deduct	-30.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0272 EA One Or Two Lamp, 1,100-1,400 Lumens, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50RCT).....	634.37	18.38
<i>For Factory Installation In New Fixtures, Deduct</i>	-30.88	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.26	
26 01 50 52-0273 EA One Or Two Lamp, 1,100-3,100 Lumens, Central Battery, Emergency Fluorescent Ballast With Voltage Sensing Circuit (Bodine CB90-48).....	323.09	18.38
<i>For Factory Installation In New Fixtures, Deduct</i>	-30.88	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.26	
26 01 50 52-0274 EA One Lamp, 1,050-3,200 Lumens, Interim Lighting For Generator Backup, Five Minute Illumination, Emergency Fluorescent Ballast (Bodine GEN1).....	418.51	14.70
<i>For Factory Installation In New Fixtures, Deduct</i>	-29.41	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.82	
26 01 50 52-0275 EA 250 Watt, Self-Diagnostic, Ninety Minute Illumination, Fluorescent Emergency Lighting Inverter (Bodine ELI-250-SD).....	2,337.18	18.38
<i>For Factory Installation In New Fixtures, Deduct</i>	-29.41	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.82	
<b>26 01 50 52-0276 LED Emergency Ballasts</b> <small>(26 01 50 52-0001)</small>		
26 01 50 52-0277 EA Up To 520 Lumens, Ninety Minute Illumination, 120-277 Volt, 4 Watt Output, Emergency LED Driver (Bodine BSL4L).....	127.42	14.70
<i>For Factory Installation In New Fixtures, Deduct</i>	-29.41	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.82	
26 01 50 52-0278 EA Up To 780 Lumens, Ninety Minute Illumination, 120-277 Volt, 6 Watt Output, Emergency LED Driver (Bodine BSL6LST).....	147.88	14.70
<i>For Factory Installation In New Fixtures, Deduct</i>	-29.41	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.82	
26 01 50 52-0279 EA Up To 975 Lumens, Ninety Minute Illumination, 120-277 Volt, 7.5 Watt Output, Emergency LED Driver (Bodine BSL17C).....	172.39	14.70
<i>For Factory Installation In New Fixtures, Deduct</i>	-29.41	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.82	
26 01 50 52-0280 EA Up To 1,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 10 Watt Output, Emergency LED Driver (Bodine BSL310).....	163.60	14.70
<i>For Factory Installation In New Fixtures, Deduct</i>	-29.41	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.82	
26 01 50 52-0281 EA Up To 2,200 Lumens, Ninety Minute Illumination, 120-277 Volt, 18 Watt Output, Emergency LED Driver (Bodine BSL718).....	290.26	14.70
<i>For Factory Installation In New Fixtures, Deduct</i>	-29.41	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.82	
26 01 50 52-0282 EA Up To 2,600 Lumens, Ninety Minute Illumination, 120-277 Volt, 20 Watt Output, Emergency LED Driver (Bodine BSL20LV).....	274.53	14.70
<i>For Factory Installation In New Fixtures, Deduct</i>	-29.41	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.82	
26 01 50 52-0283 EA Up To 2,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 23 Watt LED Emergency Battery Backup (LiteTronics EB23UQ).....	261.01	14.70
<i>For Factory Installation In New Fixtures, Deduct</i>	-29.41	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.82	
<b>26 01 50 52-0284 Compact Fluorescent Ballasts</b> <small>(26 01 50 52-0001)</small>		
<b>26 01 50 52-0285 Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0284)</small>		
Note: Includes 120/277 Volt and normal ballast factor.		
<b>26 01 50 52-0286 18 Watt, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0285)</small>		
26 01 50 52-0287 EA 1 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	67.67	14.70
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.41	
26 01 50 52-0288 EA 2 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	71.35	18.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.51	
<b>26 01 50 52-0289 26 Watt, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0285)</small>		
26 01 50 52-0290 EA 1 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	67.67	14.70
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.41	
26 01 50 52-0291 EA 2 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	71.35	18.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.51	
<b>26 01 50 52-0292 32 Watt, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0285)</small>		
26 01 50 52-0293 EA 1 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	83.70	14.70
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.41	
26 01 50 52-0294 EA 2 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	87.38	18.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.51	
<b>26 01 50 52-0295 40 Watt, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0285)</small>		
26 01 50 52-0296 EA 1 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast.....	65.76	14.70
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.41	
26 01 50 52-0297 EA 1 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	83.70	14.70
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.41	
26 01 50 52-0298 EA 2 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast.....	123.30	18.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.51	
26 01 50 52-0299 EA 2 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast.....	87.38	18.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.51	

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0300 EA 3 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	145.75 6.62	22.06
<b>26 01 50 52-0301 42 Watt, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0285)</small>		
26 01 50 52-0302 EA 1 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.70 4.41	14.70
26 01 50 52-0303 EA 2 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.38 5.51	18.38
<b>26 01 50 52-0304 55 Watt, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0285)</small>		
26 01 50 52-0305 EA 1 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.70 4.41	14.70
26 01 50 52-0306 EA 2 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.38 5.51	18.38
<b>26 01 50 52-0307 Dimming, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0284)</small>		
<b>26 01 50 52-0308 Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0307)</small> Note: Includes 120/277 Volt and normal ballast factor.		
<b>26 01 50 52-0309 18 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0306)</small>		
26 01 50 52-0310 EA 1 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	124.71 4.41	14.70
26 01 50 52-0311 EA 2 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	128.39 5.51	18.38
<b>26 01 50 52-0312 26 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0306)</small>		
26 01 50 52-0313 EA 1 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	124.71 4.41	14.70
26 01 50 52-0314 EA 2 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	128.39 5.51	18.38
<b>26 01 50 52-0315 32 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0306)</small>		
26 01 50 52-0316 EA 1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	124.71 4.41	14.70
26 01 50 52-0317 EA 2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.24 5.51	18.38
<b>26 01 50 52-0318 40 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0306)</small>		
26 01 50 52-0319 EA 2 Lamp, 40 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.24 5.51	18.38
<b>26 01 50 52-0320 42 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0306)</small>		
26 01 50 52-0321 EA 1 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	124.71 4.41	14.70
26 01 50 52-0322 EA 2 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	137.24 5.51	18.38
<b>26 01 50 52-0323 55 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0306)</small>		
26 01 50 52-0324 EA 1 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	198.90 4.41	14.70
26 01 50 52-0325 EA 2 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	223.40 5.51	18.38
<b>26 01 50 52-0326 High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0001)</small>		
<b>26 01 50 52-0327 Magnetic High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0326)</small>		
<b>26 01 50 52-0328 Core And Coil High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0327)</small>		
<b>26 01 50 52-0329 Metal Halide, Core And Coil High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0328)</small>		
26 01 50 52-0330 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.80 7.72	18.38
26 01 50 52-0331 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.71 7.72	18.38
26 01 50 52-0332 EA 1 Lamp, 250 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.71 7.72	18.38
26 01 50 52-0333 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.62 7.72	18.38



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0334 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.62 7.72	18.38
26 01 50 52-0335 EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	165.99 7.72	18.38
26 01 50 52-0336 EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	165.99 7.72	18.38
26 01 50 52-0337 EA 1 Lamp, 1,500 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	214.94 7.72	18.38
26 01 50 52-0338 EA 1 Lamp, 1,500 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	239.90 7.72	18.38
<b>26 01 50 52-0339 High Pressure Sodium, Core And Coil High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0328)</small>		
26 01 50 52-0340 EA 1 Lamp, 50 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	104.29 7.72	18.38
26 01 50 52-0341 EA 1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110.80 7.72	18.38
26 01 50 52-0342 EA 1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	107.99 7.72	18.38
26 01 50 52-0343 EA 1 Lamp, 150 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	127.56 7.72	18.38
26 01 50 52-0344 EA 1 Lamp, 150 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	124.77 7.72	18.38
26 01 50 52-0345 EA 1 Lamp, 250 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	142.93 7.72	18.38
26 01 50 52-0346 EA 1 Lamp, 250 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	142.93 7.72	18.38
26 01 50 52-0347 EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	173.14 7.72	18.38
26 01 50 52-0348 EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	173.14 7.72	18.38
26 01 50 52-0349 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	279.14 7.72	18.38
26 01 50 52-0350 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	279.14 7.72	18.38
<b>26 01 50 52-0351 Mounting Brackets For Core And Coil High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0328)</small>		
26 01 50 52-0352 EA Single Mounting Bracket For Core And Coil Type ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.76 2.21	
26 01 50 52-0353 EA Double Mounting Bracket For Core And Coil Type ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.88 3.31	
<b>26 01 50 52-0354 F-Can High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0327)</small>		
<b>26 01 50 52-0355 Metal Halide, F-Can High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0354)</small>		
26 01 50 52-0356 EA 1 Lamp, 70 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Pulse Start Ballast, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	147.88 12.22 7.72	18.38
26 01 50 52-0357 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Pulse Start Ballast, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	155.95 13.02 7.72	18.38
26 01 50 52-0358 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Pulse Start Ballast, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	141.76 11.60 7.72	18.38
26 01 50 52-0359 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Pulse Start Ballast, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	165.09 13.94 7.72	18.38
26 01 50 52-0360 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Pulse Start Ballast, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	230.47 20.47 7.72	18.38
<b>26 01 50 52-0361 High Pressure Sodium, F-Can High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0354)</small>		
26 01 50 52-0362 EA 1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	178.49 7.72	18.38
26 01 50 52-0363 EA 1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	191.09 7.72	18.38
<b>26 01 50 52-0364 Postline High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0327)</small>		
<b>26 01 50 52-0365 Metal Halide, Postline High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0364)</small>		
26 01 50 52-0366 EA 1 Lamp, 50 Watt Metal Halide, 120 Volt, Postline High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	299.23 7.72	18.38
<b>26 01 50 52-0367 High Pressure Sodium, Postline High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0364)</small>		

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0368 EA 1 Lamp, 70 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	462.80 7.72	18.38
26 01 50 52-0369 EA 1 Lamp, 100 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	516.49 7.72	18.38
26 01 50 52-0370 EA 1 Lamp, 150 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	497.92 7.72	18.38
<b>26 01 50 52-0371 Indoor Enclosed High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0327)</small>		
<b>26 01 50 52-0372 Metal Halide, Indoor Enclosed High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0371)</small>		
26 01 50 52-0373 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	369.16 7.72	18.38
26 01 50 52-0374 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	419.43 7.72	18.38
26 01 50 52-0375 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	555.01 7.72	18.38
26 01 50 52-0376 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	552.10 7.72	18.38
26 01 50 52-0377 EA 2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	774.63 8.16	19.85
26 01 50 52-0378 EA 2 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	774.63 8.16	19.85
26 01 50 52-0379 EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	532.15 7.72	18.38
26 01 50 52-0380 EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	626.64 7.72	18.38
<b>26 01 50 52-0381 High Pressure Sodium, Indoor Enclosed High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0371)</small>		
26 01 50 52-0382 EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	691.61 7.72	18.38
26 01 50 52-0383 EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	658.31 7.72	18.38
26 01 50 52-0384 EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	847.12 7.72	18.38
26 01 50 52-0385 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	847.12 7.72	18.38
<b>26 01 50 52-0386 Outdoor Weatherproof High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0327)</small>		
<b>26 01 50 52-0387 Metal Halide, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0386)</small>		
26 01 50 52-0388 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	415.23 7.72	18.38
26 01 50 52-0389 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	448.78 7.72	18.38
26 01 50 52-0390 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	445.48 7.72	18.38
26 01 50 52-0391 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	467.96 7.72	18.38
26 01 50 52-0392 EA 2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	745.32 8.16	19.85
26 01 50 52-0393 EA 2 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	916.98 8.16	19.85
26 01 50 52-0394 EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	695.52 7.72	18.38
26 01 50 52-0395 EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	632.93 7.72	18.38
<b>26 01 50 52-0396 High Pressure Sodium, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0386)</small>		
26 01 50 52-0397 EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	536.99 7.72	18.38
26 01 50 52-0398 EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	579.31 7.72	18.38
26 01 50 52-0399 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	866.66 7.72	18.38
26 01 50 52-0400 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	745.25 7.72	18.38
<b>26 01 50 52-0401 Electronic High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0326)</small>		
<b>26 01 50 52-0402 Electronic Low Frequency High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0401)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0403 EA 1 Lamp, 70 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	163.97	18.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.72	
26 01 50 52-0404 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	163.97	18.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.72	
26 01 50 52-0405 EA 1 Lamp, 150 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	185.18	18.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.72	
26 01 50 52-0406 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	482.43	18.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.72	
26 01 50 52-0407 EA 1 Lamp, 300 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	482.43	18.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.72	
26 01 50 52-0408 EA 1 Lamp, 320 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	482.43	18.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.72	
26 01 50 52-0409 EA 1 Lamp, 350 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	482.43	18.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.72	
26 01 50 52-0410 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	482.43	18.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.72	
<b>26 01 50 52-0411 Owner Supplied Ballasts</b> <small>(26 01 50 52-0001)</small>		
26 01 50 52-0412 EA Install Owner Supplied, 1 Lamp Fluorescent Ballast.....	14.70	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.41	
26 01 50 52-0413 EA Install Owner Supplied, 2 Lamp Fluorescent Ballast.....	18.38	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.51	
26 01 50 52-0414 EA Install Owner Supplied, 3 Lamp Fluorescent Ballast.....	21.32	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.40	
26 01 50 52-0415 EA Install Owner Supplied, 4 Lamp Fluorescent Ballast.....	22.79	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.84	
26 01 50 52-0416 EA Install Owner Supplied, 1 Lamp High Intensity Discharge (HID) Ballast.....	25.73	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.72	
26 01 50 52-0417 EA Install Owner Supplied, 2 Lamp High Intensity Discharge (HID) Ballast.....	27.20	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.16	
<b>26 01 50 52-0418 Retrofit Lighting Fixtures</b> <small>(26 01 50 52)</small>		
<b>26 01 50 52-0419 Retrofit Existing Fixtures</b> <small>(26 01 50 52-0418)</small>		
<b>26 01 50 52-0420 LED Lighting Retrofits For Existing Downlight Fixtures (GreenCreative)</b> <small>(26 01 50 52-0419)</small>		
<small>Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0372 for disposal of hazardous lamps.</small>		
26 01 50 52-0421 EA 15 Watt, 7" Round Downlight, 2700K CCT, LED Retrofit (GreenCreative 15SMR7DIM/927) .....	92.05	
26 01 50 52-0422 EA 15 Watt, 7" Round Downlight, 3000K CCT, LED Retrofit (GreenCreative 15SMR7DIM/930) .....	92.05	
26 01 50 52-0423 EA 15 Watt, 7" Round Downlight, 4000K CCT, LED Retrofit (GreenCreative 15SMR7DIM/940) .....	92.05	
26 01 50 52-0424 EA 8.5 Watt, 4" Diameter, 2700K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/827) .....	71.29	
26 01 50 52-0425 EA 8.5 Watt, 4" Diameter, 3000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/830) .....	71.29	
26 01 50 52-0426 EA 8.5 Watt, 4" Diameter, 4000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/840) .....	71.29	
26 01 50 52-0427 EA 11.6 Watt, 6" Diameter, 2700K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/827) .....	80.03	
26 01 50 52-0428 EA 11.6 Watt, 6" Diameter, 3000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/830) .....	80.03	
26 01 50 52-0429 EA 11.6 Watt, 6" Diameter, 4000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/840) .....	80.03	
<b>26 01 50 52-0430 LED Lighting Retrofits For Existing Site Fixtures (Daylight Technology)</b> <small>(26 01 50 52-0419)</small>		
<small>Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0372 for disposal of hazardous lamps.</small>		
26 01 50 52-0431 EA 23 Watt, 2,300 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-20w) .....	299.23	
26 01 50 52-0432 EA 33 Watt, 3,300 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-30w) .....	312.35	
26 01 50 52-0433 EA 44 Watt, 4,400 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-40w) .....	325.46	
26 01 50 52-0434 EA 54 Watt, 5,400 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-50w) .....	340.04	
26 01 50 52-0435 EA 65 Watt, 6,500 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-60w) .....	378.29	
26 01 50 52-0436 EA 75 Watt, 7,600 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-70w) .....	392.88	
26 01 50 52-0437 EA 86 Watt, 8,600 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-80w) .....	428.95	
26 01 50 52-0438 EA 96 Watt, 9,600 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-90w) .....	442.07	
26 01 50 52-0439 EA 107 Watt, 10,700 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-100w) .....	456.65	
26 01 50 52-0440 EA 117 Watt, 11,700 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-110w) .....	480.69	
26 01 50 52-0441 EA 128 Watt, 12,800 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-120w) .....	505.10	
26 01 50 52-0442 EA 138 Watt, 13,800 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-130w) .....	530.24	
26 01 50 52-0443 EA 149 Watt, 14,900 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-140w) .....	543.36	
26 01 50 52-0444 EA 161 Watt, 16,100 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-150w) .....	565.21	
26 01 50 52-0445 EA 172 Watt, 17,200 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-160w) .....	589.28	
26 01 50 52-0446 EA 182 Watt, 18,200 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-170w) .....	616.60	
26 01 50 52-0447 EA 193 Watt, 19,300 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-180w) .....	658.13	
26 01 50 52-0448 EA 203 Watt, 20,300 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-190w) .....	676.71	
26 01 50 52-0449 EA 214 Watt, 21,400 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-200w) .....	707.69	
26 01 50 52-0450 EA 224 Watt, 22,400 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-210w) .....	750.32	
26 01 50 52-0451 EA 235 Watt, 23,500 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-220w) .....	772.17	
26 01 50 52-0452 EA 245 Watt, 24,500 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-230w) .....	822.47	
26 01 50 52-0453 EA 256 Watt, 25,600 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-240w) .....	870.56	
26 01 50 52-0454 EA 266 Watt, 26,600 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-250w) .....	902.63	
26 01 50 52-0455 EA 277 Watt, 27,700 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-260w) .....	949.62	
26 01 50 52-0456 EA 287 Watt, 28,700 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-270w) .....	1,039.62	



**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0457 EA 298 Watt, 29,800 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-280w).....	1,050.55	
26 01 50 52-0458 EA 319 Watt, 31,900 Lumens, LED Site Retrofit Plate (Daylight Technology DL-S-300w).....	1,076.79	
<b>26 01 50 52-0459 LED Lighting Retrofits For Existing Fixtures (Optilumen)</b> <small>(26 01 50 52-0419)</small>		
Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0372 for disposal of hazardous lamps.		
26 01 50 52-0460 EA 20 Watt, 1 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT1418M-35).....	117.63	
Note: Fits 1' x 4' Troffer/Strip		
26 01 50 52-0461 EA 20 Watt, 1 x 42", 4000L CCT, LED Retrofit Kit (Optilumen RKT1418M-40).....	117.63	
Note: Fits 1' x 4' Troffer/Strip		
26 01 50 52-0462 EA 20 Watt, 1 x 42", 5000L CCT, LED Retrofit Kit (Optilumen RKT1418M-50).....	117.63	
Note: Fits 1' x 4' Troffer/Strip		
26 01 50 52-0463 EA 30 Watt, 2 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT2415M-35).....	123.10	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 52-0464 EA 30 Watt, 2 x 42", 4000L CCT, LED Retrofit Kit (Optilumen RKT2415M-40).....	123.10	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 52-0465 EA 30 Watt, 2 x 42", 5000L CCT, LED Retrofit Kit (Optilumen RKT2415M-50).....	123.10	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 52-0466 EA 40 Watt, 2 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT2418M-35).....	134.03	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 52-0467 EA 40 Watt, 2 x 42", 4000L CCT, LED Retrofit Kit (Optilumen RKT2418M-40).....	134.03	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 52-0468 EA 40 Watt, 2 x 42", 5000L CCT, LED Retrofit Kit (Optilumen RKT2418M-50).....	134.03	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 52-0469 EA 30 Watt, 3 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT3415M-35).....	123.10	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 52-0470 EA 30 Watt, 3 x 42", 4000L CCT, LED Retrofit Kit (Optilumen RKT3415M-40).....	123.10	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 52-0471 EA 30 Watt, 3 x 42", 5000L CCT, LED Retrofit Kit (Optilumen RKT3415M-50).....	123.10	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 52-0472 EA 40 Watt, 3 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT3418M-35).....	134.03	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 52-0473 EA 40 Watt, 3 x 42", 4000L CCT, LED Retrofit Kit (Optilumen RKT3418M-40).....	134.03	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 52-0474 EA 40 Watt, 3 x 42", 5000L CCT, LED Retrofit Kit (Optilumen RKT3418M-50).....	134.03	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 52-0475 EA 50 Watt, 3 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT3424M-35).....	155.89	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 52-0476 EA 50 Watt, 3 x 42", 4000L CCT, LED Retrofit Kit (Optilumen RKT3424M-40).....	155.89	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 52-0477 EA 50 Watt, 3 x 42", 5000L CCT, LED Retrofit Kit (Optilumen RKT3424M-50).....	155.89	
Note: Fits 2' x 4' Troffer/Strip		
26 01 50 52-0478 EA 10 Watt, 1 x 21", 3500L CCT, LED Retrofit Kit (Optilumen RKT1209M-35).....	117.63	
Note: Fits 1' x 2' Troffer/Strip		
26 01 50 52-0479 EA 10 Watt, 1 x 21", 4000L CCT, LED Retrofit Kit (Optilumen RKT1209M-40).....	117.63	
Note: Fits 1' x 2' Troffer/Strip		
26 01 50 52-0480 EA 10 Watt, 1 x 21", 5000L CCT, LED Retrofit Kit (Optilumen RKT1209M-50).....	117.63	
Note: Fits 1' x 2' Troffer/Strip		
26 01 50 52-0481 EA 22 Watt, 2 x 21", 3500L CCT, LED Retrofit Kit (Optilumen RKT2209M-35).....	117.63	
Note: Fits 2' x 2' Troffer/Strip		
26 01 50 52-0482 EA 22 Watt, 2 x 21", 4000L CCT, LED Retrofit Kit (Optilumen RKT2209M-40).....	117.63	
Note: Fits 2' x 2' Troffer/Strip		
26 01 50 52-0483 EA 22 Watt, 2 x 21", 5000L CCT, LED Retrofit Kit (Optilumen RKT2209M-50).....	117.63	
Note: Fits 2' x 2' Troffer/Strip		
26 01 50 52-0484 EA 20 Watt, 3 x 21", 3500L CCT, LED Retrofit Kit (Optilumen RKT3209M-35).....	123.10	
Note: Fits 2' x 2' Troffer/Strip		
26 01 50 52-0485 EA 20 Watt, 3 x 21", 4000L CCT, LED Retrofit Kit (Optilumen RKT3209M-40).....	123.10	
Note: Fits 2' x 2' Troffer/Strip		
26 01 50 52-0486 EA 20 Watt, 3 x 21", 5000L CCT, LED Retrofit Kit (Optilumen RKT3209M-50).....	123.10	
Note: Fits 2' x 2' Troffer/Strip		
26 01 50 52-0487 EA 30 Watt, 3 x 21", 3500L CCT, LED Retrofit Kit (Optilumen RKT3210M-35).....	129.66	
Note: Fits 2' x 2' Troffer/Strip		
26 01 50 52-0488 EA 30 Watt, 3 x 21", 4000L CCT, LED Retrofit Kit (Optilumen RKT3210M-40).....	129.66	
Note: Fits 2' x 2' Troffer/Strip		
26 01 50 52-0489 EA 30 Watt, 3 x 21", 5000L CCT, LED Retrofit Kit (Optilumen RKT3210M-50).....	129.66	
Note: Fits 2' x 2' Troffer/Strip		
<b>26 01 50 52-0490 LED Lighting Retrofits For Existing Lay-In/Troffer Fixtures (LG)</b> <small>(26 01 50 52-0419)</small>		
Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0372 for disposal of hazardous lamps.		
26 01 50 52-0491 EA 34 Watt, 3,500K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-35-4400-R(W)-SN).....	301.29	
26 01 50 52-0492 EA 34 Watt, 4,000K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-40-4500-R(W)-SN).....	301.29	
26 01 50 52-0493 EA 26 Watt, 3,500K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-35-3400-R(W)-SN).....	269.60	
26 01 50 52-0494 EA 26 Watt, 4,000K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-40-3400-R(W)-SN).....	269.60	
26 01 50 52-0495 EA 25 Watt, 3250lm, 3500K Layin Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-35-3200-RV).....	122.71	
Note: No sensor, ZigBee ready driver		
26 01 50 52-0496 EA 25 Watt, 3250lm, 4000K Layin Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-40-3200-RV).....	122.71	
Note: No sensor, ZigBee ready driver		
26 01 50 52-0497 EA 31 Watt, 4050lm, 3500K Layin Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-35-3200-RV).....	143.47	
Note: No sensor, ZigBee ready driver		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 01 50 52-0498	EA		31 Watt, 4050lm, 4000K Layin Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-40-3200-RV)..... 143.47 Note: No sensor, ZigBee ready driver	143.47	
	26 01 50 52-0499	EA		25 Watt, 3250lm, 3500K Layin Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-35-3200-RV)..... 158.77 Note: Factory installed sensor and ZigBee dongle	158.77	
	26 01 50 52-0500	EA		25 Watt, 3250lm, 4000K Layin Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-40-3200-RV)..... 158.77 Note: Factory installed sensor and ZigBee dongle	158.77	
	26 01 50 52-0501	EA		31 Watt, 3250lm, 3500K Layin Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-35-3200-RV) ..... 164.24 Note: Factory installed sensor and ZigBee dongle	164.24	
	26 01 50 52-0502	EA		31 Watt, 3250lm, 4000K Layin Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-40-3200-RV)..... 164.24 Note: Factory installed sensor and ZigBee dongle	164.24	
	26 01 50 52-0503	EA		2' x 2' 2-Board, 25 Watt, 3120lm, 3500k Retrofit Board Kits (LG LGE-2BDK-25-35-3120)..... 91.01 Note: No sensor, ZigBee ready driver	91.01	
	26 01 50 52-0504	EA		2' x 2' 2-Board, 25 Watt, 3120lm, 4000k Retrofit Board Kits (LG LGE-2BDK-25-40-3120)..... 91.01 Note: No sensor, ZigBee ready driver	91.01	
	26 01 50 52-0505	EA		2' x 4' 4-Board, 31 Watt, 3120lm, 3500k Retrofit Board Kits (LG LGE-4BDK-31-35-3880)..... 104.13 Note: No sensor, ZigBee ready driver	104.13	
	26 01 50 52-0506	EA		2' x 4' 4-Board, 31 Watt, 3120lm, 4000k Retrofit Board Kits (LG LGE-4BDK-31-40-3880)..... 104.13 Note: No sensor, ZigBee ready driver	104.13	
	26 01 50 52-0507	EA		2' x 2' 2-Board, 25 Watt, 3120lm, 3500k With Lens Retrofit Board Kits (LG LGE-2BDK-25-35-3120-L)..... 94.29 Note: No sensor, ZigBee ready driver	94.29	
	26 01 50 52-0508	EA		2' x 2' 2-Board, 25 Watt, 3120lm, 4000k With Lens Retrofit Board Kits (LG LGE-2BDK-25-40-3120-L)..... 94.29 Note: No sensor, ZigBee ready driver	94.29	
	26 01 50 52-0509	EA		2' x 4' 4-Board, 31 Watt, 3120lm, 3500k With Lens Retrofit Board Kits (LG LGE-4BDK-31-35-3880-L)..... 107.41 Note: No sensor, ZigBee ready driver	107.41	
	26 01 50 52-0510	EA		2' x 4' 4-Board, 31 Watt, 3120lm, 4000k With Lens Retrofit Board Kits (LG LGE-4BDK-31-40-3880-L)..... 107.41 Note: No sensor, ZigBee ready driver	107.41	
	26 01 50 52-0511	EA		6" 16 Watt, 1450lm, 3500k Comm Retrofit Downlight (LG LGE-CRDL-16-35-1450) ..... 93.20 Note: No sensor, ZigBee ready driver	93.20	
	26 01 50 52-0512	EA		6" 16 Watt, 1450lm, 4000k Comm Retrofit Downlight (LG LGE-CRDL-16-40-1450) ..... 93.20 Note: No sensor, ZigBee ready driver	93.20	
	26 01 50 52-0513	EA		8" 22 Watt, 2000lm, 3500k Comm Retrofit Downlight (LG LGE-CRDL-22-35-2000) ..... 103.04 Note: No sensor, ZigBee ready driver	103.04	
	26 01 50 52-0514	EA		8" 22 Watt, 2000lm, 4000k Comm Retrofit Downlight (LG LGE-CRDL-22-40-2000) ..... 103.04 Note: No sensor, ZigBee ready driver	103.04	
	<b>26 01 50 52-0515</b>			<b>LED Lighting Retrofit Accessories (LG)</b> <small>(26 01 50 52-0419)</small> See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0372 for disposal of hazardous lamps.		
	26 01 50 52-0516	EA		Dongle (LG LGE-DONGLE)..... 14.28	14.28	
	26 01 50 52-0517	EA		1-group On/Off/Dim, 2-Button, Wireless Switch (LG LGE-SWITCH-BAT-2B)..... 77.97	77.97	8.38
	26 01 50 52-0518	EA		2-group On/Off/Dim, 4-Button, Wireless Switch (LG LGE-SWITCH-BAT-4B)..... 81.33	81.33	10.06
	26 01 50 52-0519	EA		1-group On/Off/Dim, 2-Button, AC Powered Switch (LG LGE-SWITCH-AC-2B) ..... 99.83	99.83	8.38
	26 01 50 52-0520	EA		2-group On/Off/Dim, 4-Button, AC Powered Switch (LG LGE-SWITCH-AC-4B) ..... 103.19	103.19	10.06
	26 01 50 52-0521	EA		Photo, Motion Sensor With ZigBee Dongle plugin (LG LGE-MULTI-SENSOR)..... 51.67	51.67	6.71
	26 01 50 52-0522	EA		Tube Clip For Multi Sensor (LG LGE-TUBE-CLIP) ..... 17.92	17.92	6.71
	26 01 50 52-0523	EA		Ceiling Plate For Multi Sensor (LG LGE-CEILING-PLATE) ..... 19.20	19.20	6.71
	26 01 50 52-0524	EA		Wireless Interface Module (LG PIHN-W005A)..... 49.09 Note: includes dongle	49.09	10.06
	<b>26 01 50 52-0525</b>			<b>Retrofit Existing (T12) Fluorescent Fixtures</b> <small>(26 01 50 52-0418)</small> Note: Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 02 84 16 00-0008 for leaking ballast disposal, 26 01 50 51-0372 for hazardous lamp recycling.		
	<b>26 01 50 52-0526</b>			<b>Retrofit Existing (T12) Strip Style Fluorescent Fixtures Without Reflector</b> <small>(26 01 50 52-0525)</small> Note: Includes ballast, white reflective ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
	26 01 50 52-0527	EA		Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate One 4' (T8) Lamp..... 62.25 <i>For Specular Ballast Cover, Add</i> 7.30	62.25	
	26 01 50 52-0528	EA		Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps..... 66.43 <i>For Specular Ballast Cover, Add</i> 8.14	66.43	
	26 01 50 52-0529	EA		Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps..... 89.62 <i>For Specular Ballast Cover, Add</i> 12.78	89.62	
	26 01 50 52-0530	EA		Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Four 4' (T8) Lamps ..... 103.37 <i>For Specular Ballast Cover, Add</i> 15.53	103.37	
	<b>26 01 50 52-0531</b>			<b>Retrofit Existing (T12) Strip Style Fluorescent Fixtures With Reflector</b> <small>(26 01 50 52-0525)</small> Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
	26 01 50 52-0532	EA		Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate One 4' (T8) Lamp..... 65.67 <i>For Specular Reflector, Add</i> 17.05	65.67	
	26 01 50 52-0533	EA		Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps..... 70.25 <i>For Specular Reflector, Add</i> 17.05	70.25	
	26 01 50 52-0534	EA		Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps..... 94.40 <i>For Specular Reflector, Add</i> 17.05	94.40	
	26 01 50 52-0535	EA		Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Four 4' (T8) Lamps ..... 120.46 <i>For Specular Reflector, Add</i> 17.05	120.46	
	<b>26 01 50 52-0536</b>			<b>Retrofit Existing (T12) Troffer Style Fluorescent Fixtures</b> <small>(26 01 50 52-0525)</small> Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0537 EA Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate One 4' (T8) Lamps ..... <i>For Specular Reflector, Add</i>	81.90 17.05	
26 01 50 52-0538 EA Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps ..... <i>For Specular Reflector, Add</i>	86.07 17.05	
26 01 50 52-0539 EA Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Two 2' (T8) Lamps ..... <i>For Specular Reflector, Add</i>	86.86 17.05	
26 01 50 52-0540 EA Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Three 2' (T8) Lamps ..... <i>For Specular Reflector, Add</i>	96.90 17.05	
26 01 50 52-0541 EA Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Four 2' (T8) Lamps ..... <i>For Specular Reflector, Add</i>	117.13 17.05	
26 01 50 52-0542 EA Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps ..... <i>For Specular Reflector, Add</i>	90.16 17.05	
26 01 50 52-0543 EA Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Three 4' (T8) Lamps ..... <i>For Specular Reflector, Add</i>	99.11 17.05	
26 01 50 52-0544 EA Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Four 4' (T8) Lamps ..... <i>For Specular Reflector, Add</i>	106.63 17.05	
<b>26 01 50 52-0545 Retrofit Existing Recessed Lay-In/Troffer Fixtures</b> <small>(26 01 50 52-0418)</small>		
<b>26 01 50 52-0546 Fluorescent Volumetric Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Lithonia)</b> <small>(26 01 50 52-0545)</small>		
Note: Includes removing existing lamps and ballast. Includes installing adaptor frame, volumetric reflectors, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0372 for disposal of hazardous lamps.		
26 01 50 52-0547 EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	176.84	
26 01 50 52-0548 EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	176.84	
26 01 50 52-0549 EA 2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	176.84	
26 01 50 52-0550 EA 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	196.08	
26 01 50 52-0551 EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	176.84	
26 01 50 52-0552 EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	176.84	
26 01 50 52-0553 EA 2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	176.84	
26 01 50 52-0554 EA 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	196.08	
26 01 50 52-0555 EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	177.36	
26 01 50 52-0556 EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	177.36	
26 01 50 52-0557 EA 2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	177.36	
26 01 50 52-0558 EA 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R).....	196.61	
26 01 50 52-0559 EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	177.36	
26 01 50 52-0560 EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	177.36	
26 01 50 52-0561 EA 2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	177.36	
26 01 50 52-0562 EA 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT).....	196.61	
<b>26 01 50 52-0563 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (PlanLED)</b> <small>(26 01 50 52-0545)</small>		
Note: Includes adaptor frame, optical system, LEDs and driver. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0372 for disposal of hazardous lamps.		
26 01 50 52-0564 EA 2,400 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-025).....	268.76	
26 01 50 52-0565 EA 4,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-045).....	281.86	
<b>26 01 50 52-0566 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Raffino™)</b> <small>(26 01 50 52-0545)</small>		
Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0372 for disposal of hazardous lamps.		
26 01 50 52-0567 EA 1,800 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-1800L).....	199.63	
26 01 50 52-0568 EA 2,600 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-2700L).....	204.38	
26 01 50 52-0569 EA 2,200 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-2200L).....	199.63	
26 01 50 52-0570 EA 3,300 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-3300L).....	204.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0571 EA 3,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-3000L).....	228.18	
26 01 50 52-0572 EA 4,150 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-4000L).....	235.31	
26 01 50 52-0573 EA 5,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-5000L).....	251.97	
<b>26 01 50 52-0574 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Orion) <small>(26 01 50 52-0545)</small></b>		
Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0372 for disposal of hazardous lamps.		
26 01 50 52-0575 EA 3,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-030L-FO-UNV-FDX-840-22-1P-CT-M-ST).....	185.07	
26 01 50 52-0576 EA 3,500 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-035L-FO-UNV-FDX-840-22-1P-CT-M-ST).....	191.70	
26 01 50 52-0577 EA 3,200 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-032L-FO-UNV-FDX-840-24-1P-CT-M-ST).....	193.69	
26 01 50 52-0578 EA 3,800 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-038L-FO-UNV-FDX-840-24-1P-CT-M-ST).....	200.33	
26 01 50 52-0579 EA 2,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1A1UNVFDX84022MST).....	140.27	
26 01 50 52-0580 EA 4,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1B1UNVFDX84022MST).....	143.42	
26 01 50 52-0581 EA 3,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1D1UNVFDX84024MST).....	148.46	
26 01 50 52-0582 EA 4,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1E1UNVFDX84024MST).....	151.62	
26 01 50 52-0583 EA 6,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1F1UNVFDX84024MST).....	186.92	
26 01 50 52-0584 EA 8,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (ORION LDRE1G1UNVFDX84024MST).....	222.23	
<b>26 01 50 52-0585 Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) <small>(26 01 50 52-0545)</small></b>		
Note: Includes adaptor frame, optical system, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0372 for disposal of hazardous lamps.		
26 01 50 52-0586 EA 1 T5 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	167.47	
26 01 50 52-0587 EA 1 T8 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	124.17	
26 01 50 52-0588 EA 2 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	171.73	
26 01 50 52-0589 EA 2 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	128.37	
26 01 50 52-0590 EA 3 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	179.56	
26 01 50 52-0591 EA 3 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	139.64	
26 01 50 52-0592 EA 1 T5 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	197.20	
26 01 50 52-0593 EA 1 T8 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	153.78	
26 01 50 52-0594 EA 2 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	201.19	
26 01 50 52-0595 EA 2 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	157.79	
26 01 50 52-0596 EA 3 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	208.95	
26 01 50 52-0597 EA 3 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components).....	169.03	
<b>26 01 50 52-0598 LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT) <small>(26 01 50 52-0545)</small></b>		
Note: Includes removing existing lamps and ballast. Includes installing LED light engine assembly, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0372 for disposal of hazardous lamps.		
26 01 50 52-0599 EA 3,300 Lumens, 2' x 2', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT).....	366.61	
26 01 50 52-0600 EA 4,800 Lumens, 2' x 4', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL4R/RT).....	407.14	
<b>26 01 50 52-0601 Retrofit Existing HID Fixtures <small>(26 01 50 52-0418)</small></b>		
26 01 50 52-0602 EA Tear Drop LED Retrofit Kit (Holophane LTDRL2 P35S 40K AS BK TDRD 3 P).....	818.48	
<b>26 01 50 53 Lens and Accessory Replacement <small>(26 01 50)</small></b>		

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 01 50 53-0001	EA	Parabolic Aluminum Louver Replacement.....	99.76	
26 01 50 53-0002	EA	Visor For Fixtures.....	173.16	
26 01 50 53-0003	EA	Replace Globe On Pole.....	235.62	
26 01 50 53-0004	EA	Replace Lenses For Flat Top Pole Fixtures.....	79.87	
26 01 50 53-0005	EA	Replace 1' x 4' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick.....	24.46	
26 01 50 53-0006	EA	Replace 2' x 2' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick.....	26.02	
26 01 50 53-0007	EA	Replace 2' x 4' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick.....	32.82	
26 01 50 53-0008	EA	Replace Slide-On Lampholder.....	9.81	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.21	
26 01 50 53-0009	EA	Replace Screw Mount Lampholder.....	10.05	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.21	
26 01 50 53-0010	EA	Replace Medium Bi-Pin Lampholder.....	12.12	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.21	
26 01 50 53-0011	EA	Replace Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type.....	15.31	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.21	
26 01 50 53-0012	EA	Replace Plunger High Output Lampholder, Recessed, Double Contact Double Pedestal Type.....	17.39	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.21	
26 01 50 53-0013	EA	Replace Compact Twin-Tube Lampholder, Snap-in.....	11.81	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.21	
26 01 50 53-0014	EA	Replace Exterior Light Globes.....	46.46	

**26 05 Common Work Results For Electrical** <sup>(26)</sup>**26 05 13 Medium-Voltage Cables** <sup>(26 05)</sup>**26 05 13 16 Medium-Voltage, Single-And Multi-Conductor Cables** <sup>(26 05 13)</sup>**26 05 13 16-0001 Wire And Cable** <sup>(26 05 13 16)</sup>

Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.

**26 05 13 16-0002 5 KV Cable** <sup>(26 05 13 16-0001)</sup>**26 05 13 16-0003 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct** <sup>(26 05 13 16-0002)</sup>

26 05 13 16-0004	MLF	#6 AWG Cable, XLP, 5 KV, Installed In Duct, Shielded, Single Copper Conductor.....	2,359.22	579.46
26 05 13 16-0005	MLF	#4 AWG Cable, XLP, 5 KV, Installed In Duct, Shielded, Single Copper Conductor.....	2,812.84	632.71
26 05 13 16-0006	MLF	#2 AWG Cable, XLP, 5 KV, Installed In Duct, Shielded, Single Copper Conductor.....	3,372.42	714.86
26 05 13 16-0007	MLF	#1/0 AWG Cable, XLP, 5 KV, Installed In Duct, Shielded, Single Copper Conductor.....	4,394.15	880.74
26 05 13 16-0008	MLF	#2/0 AWG Cable, XLP, 5 KV, Installed In Duct, Shielded, Single Copper Conductor.....	5,009.15	991.80
26 05 13 16-0009	MLF	#3/0 AWG Cable, XLP, 5 KV, Installed In Duct, Shielded, Single Copper Conductor.....	6,192.57	1,100.86
26 05 13 16-0010	MLF	#4/0 AWG Cable, XLP, 5 KV, Installed In Duct, Shielded, Single Copper Conductor.....	6,971.21	1,236.93
26 05 13 16-0011	MLF	250 MCM Cable, XLP, 5 KV, Installed In Duct, Shielded, Single Copper Conductor.....	8,310.73	1,376.15
26 05 13 16-0012	MLF	350 MCM Cable, XLP, 5 KV, Installed In Duct, Shielded, Single Copper Conductor.....	9,673.06	1,643.08
26 05 13 16-0013	MLF	500 MCM Cable, XLP, 5 KV, Installed In Duct, Shielded, Single Copper Conductor.....	12,248.81	1,931.40
26 05 13 16-0014	MLF	750 MCM Cable, XLP, 5 KV, Installed In Duct, Shielded, Single Copper Conductor.....	18,480.72	2,276.37
26 05 13 16-0015	MLF	1,000 MCM Cable, XLP, 5 KV, Installed In Duct, Shielded, Single Copper Conductor.....	24,716.24	2,621.17

**26 05 13 16-0016 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial** <sup>(26 05 13 16-0002)</sup>

Note: Excludes excavation.

26 05 13 16-0017	MLF	#6 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	2,286.79	
26 05 13 16-0018	MLF	#4 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	2,607.21	
26 05 13 16-0019	MLF	#2 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	2,961.37	
26 05 13 16-0020	MLF	#1/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	3,704.58	
26 05 13 16-0021	MLF	#2/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	4,041.87	
26 05 13 16-0022	MLF	#3/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	5,088.38	
26 05 13 16-0023	MLF	#4/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	5,526.86	
26 05 13 16-0024	MLF	250 MCM Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	6,657.61	
26 05 13 16-0025	MLF	350 MCM Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	7,424.88	
26 05 13 16-0026	MLF	500 MCM Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	9,344.98	

**26 05 13 16-0027 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial)** <sup>(26 05 13 16-0002)</sup>

26 05 13 16-0028	MLF	#6 AWG Cable, XLP, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation.....	1,863.81	363.22
26 05 13 16-0029	MLF	#4 AWG Cable, XLP, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation.....	2,253.22	389.44
26 05 13 16-0030	MLF	#2 AWG Cable, XLP, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation.....	2,877.64	492.48
26 05 13 16-0031	MLF	#1/0 AWG Cable, XLP, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation.....	3,761.31	597.87
26 05 13 16-0032	MLF	#2/0 AWG Cable, XLP, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation.....	4,371.46	701.83
26 05 13 16-0033	MLF	#3/0 AWG Cable, XLP, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation.....	5,546.71	802.63
26 05 13 16-0034	MLF	#4/0 AWG Cable, XLP, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation.....	6,322.74	931.27
26 05 13 16-0035	MLF	250 MCM Cable, XLP, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation.....	7,945.06	1,171.59
26 05 13 16-0036	MLF	350 MCM Cable, XLP, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation.....	9,455.59	1,482.43
26 05 13 16-0037	MLF	500 MCM Cable, XLP, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation.....	12,308.19	1,862.54

**26 05 13 16-0038 5 KV Non-Shielded Single Copper Conductor** <sup>(26 05 13 16-0002)</sup>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0039 MLF #1/0 AWG Cable, 5 KV, Non-Shielded, Single Copper Conductor .....	5,163.05	1,154.77
26 05 13 16-0040 MLF #3/0 AWG Cable, 5 KV, Non-Shielded, Single Copper Conductor .....	6,839.41	1,187.97
26 05 13 16-0041 MLF #4/0 AWG Cable, 5 KV, Non-Shielded, Single Copper Conductor .....	7,132.53	1,214.22
26 05 13 16-0042 MLF 350 MCM Cable, 5 KV, Non-Shielded, Single Copper Conductor .....	8,598.04	1,260.54
26 05 13 16-0043 MLF 500 MCM Cable, 5 KV, Non-Shielded, Single Copper Conductor .....	12,407.09	1,321.07
26 05 13 16-0044 MLF 750 MCM Cable, 5 KV, Non-Shielded, Single Copper Conductor .....	19,302.37	1,651.34
26 05 13 16-0045 MLF 1,000 MCM Cable, 5 KV, Non-Shielded, Single Copper Conductor .....	22,195.89	2,201.81
<b>26 05 13 16-0046 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct <small>(26 05 13 16-0002)</small></b>		
26 05 13 16-0047 MLF #6 AWG Cable, EPR, 5 KV, Installed In Duct, Shielded, Single Copper Conductor .....	2,523.14	579.46
26 05 13 16-0048 MLF #4 AWG Cable, EPR, 5 KV, Installed In Duct, Shielded, Single Copper Conductor .....	3,034.44	632.71
26 05 13 16-0049 MLF #2 AWG Cable, EPR, 5 KV, Installed In Duct, Shielded, Single Copper Conductor .....	3,657.76	714.86
26 05 13 16-0050 MLF #1 AWG Cable, EPR, 5 KV, Installed In Duct, Shielded, Single Copper Conductor .....	4,223.16	797.77
26 05 13 16-0051 MLF #1/0 AWG Cable, EPR, 5 KV, Installed In Duct, Shielded, Single Copper Conductor .....	4,788.78	880.74
26 05 13 16-0052 MLF #2/0 AWG Cable, EPR, 5 KV, Installed In Duct, Shielded, Single Copper Conductor .....	5,464.49	991.80
26 05 13 16-0053 MLF #3/0 AWG Cable, EPR, 5 KV, Installed In Duct, Shielded, Single Copper Conductor .....	6,811.83	1,100.86
26 05 13 16-0054 MLF #4/0 AWG Cable, EPR, 5 KV, Installed In Duct, Shielded, Single Copper Conductor .....	7,669.39	1,236.93
26 05 13 16-0055 MLF 250 MCM Cable, EPR, 5 KV, Installed In Duct, Shielded, Single Copper Conductor .....	9,187.41	1,376.15
26 05 13 16-0056 MLF 350 MCM Cable, EPR, 5 KV, Installed In Duct, Shielded, Single Copper Conductor .....	10,674.80	1,643.08
26 05 13 16-0057 MLF 500 MCM Cable, EPR, 5 KV, Installed In Duct, Shielded, Single Copper Conductor .....	13,584.47	1,931.40
26 05 13 16-0058 MLF 750 MCM Cable, EPR, 5 KV, Installed In Duct, Shielded, Single Copper Conductor .....	20,783.25	2,276.37
26 05 13 16-0059 MLF 1,000 MCM Cable, EPR, 5 KV, Installed In Duct, Shielded, Single Copper Conductor .....	27,985.64	2,621.17
<b>26 05 13 16-0060 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial <small>(26 05 13 16-0002)</small></b>		
Note: Excludes excavation.		
26 05 13 16-0061 MLF #6 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation .....	2,450.71	
26 05 13 16-0062 MLF #4 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation .....	2,828.81	
26 05 13 16-0063 MLF #2 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation .....	3,246.72	
26 05 13 16-0064 MLF #1 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation .....	3,673.28	
26 05 13 16-0065 MLF #1/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation .....	4,099.21	
26 05 13 16-0066 MLF #2/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation .....	4,497.21	
26 05 13 16-0067 MLF #3/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation .....	5,707.64	
26 05 13 16-0068 MLF #4/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation .....	6,225.04	
26 05 13 16-0069 MLF 250 MCM Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation .....	7,534.29	
26 05 13 16-0070 MLF 350 MCM Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation .....	8,426.62	
26 05 13 16-0071 MLF 500 MCM Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation .....	10,680.64	
<b>26 05 13 16-0072 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) <small>(26 05 13 16-0002)</small></b>		
26 05 13 16-0073 MLF #6 AWG Cable, EPR, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation .....	2,027.73	363.22
26 05 13 16-0074 MLF #4 AWG Cable, EPR, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation .....	2,474.82	389.44
26 05 13 16-0075 MLF #2 AWG Cable, EPR, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation .....	3,162.98	492.48
26 05 13 16-0076 MLF #1 AWG Cable, EPR, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation .....	3,658.49	544.78
26 05 13 16-0077 MLF #1/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation .....	4,155.94	597.87
26 05 13 16-0078 MLF #2/0 AWG Cable, EPR, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation .....	4,826.80	701.83
26 05 13 16-0079 MLF #3/0 AWG Cable, EPR, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation .....	6,165.97	802.63
26 05 13 16-0080 MLF #4/0 AWG Cable, EPR, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation .....	7,020.92	931.27
26 05 13 16-0081 MLF 250 MCM Cable, EPR, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation .....	8,821.74	1,171.59
26 05 13 16-0082 MLF 350 MCM Cable, EPR, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation .....	10,457.33	1,482.43
26 05 13 16-0083 MLF 500 MCM Cable, EPR, 5 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation .....	13,643.85	1,862.54
<b>26 05 13 16-0084 15 KV Cable <small>(26 05 13 16-0001)</small></b>		
<b>26 05 13 16-0085 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 16-0084)</small></b>		
<b>26 05 13 16-0086 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct <small>(26 05 13 16-0085)</small></b>		
26 05 13 16-0087 MLF #4 AWG, XLP, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable .....	4,956.27	1,154.77
26 05 13 16-0088 MLF #2 AWG, XLP, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable .....	5,377.23	1,154.77
26 05 13 16-0089 MLF #1 AWG, XLP, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable .....	5,537.80	1,154.77
26 05 13 16-0090 MLF #1/0 AWG, XLP, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable .....	6,060.88	1,154.77
26 05 13 16-0091 MLF #2/0 AWG, XLP, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable .....	6,557.36	1,154.77
26 05 13 16-0092 MLF #3/0 AWG, XLP, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable .....	7,517.18	1,205.40
26 05 13 16-0093 MLF #4/0 AWG, XLP, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable .....	7,712.23	1,205.40
26 05 13 16-0094 MLF 250 MCM, XLP, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable .....	8,914.12	1,260.54
26 05 13 16-0095 MLF 350 MCM, XLP, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable .....	10,131.67	1,290.10
26 05 13 16-0096 MLF 500 MCM, XLP, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable .....	12,516.40	1,453.18
<b>26 05 13 16-0097 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial <small>(26 05 13 16-0085)</small></b>		
Note: Excludes excavation.		

**26 Electrical****26 05 Common Work Results For Electrical****26 05 13 Medium-Voltage Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0098 MLF #1 AWG, XLP, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	4,295.62	
26 05 13 16-0099 MLF #1/0 AWG, XLP, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	4,818.69	
26 05 13 16-0100 MLF #2/0 AWG, XLP, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,315.17	
26 05 13 16-0101 MLF #3/0 AWG, XLP, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,290.95	
26 05 13 16-0102 MLF #4/0 AWG, XLP, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,485.99	
26 05 13 16-0103 MLF 250 MCM, XLP, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,756.16	
26 05 13 16-0104 MLF 350 MCM, XLP, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,975.74	
26 05 13 16-0105 MLF 500 MCM, XLP, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	11,195.35	
<b>26 05 13 16-0106 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) (26 05 13 16-0095)</b>		
26 05 13 16-0107 MLF #1 AWG, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	4,012.48	518.86
26 05 13 16-0108 MLF #1/0 AWG, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	4,742.87	597.87
26 05 13 16-0109 MLF #2/0 AWG, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,512.21	701.83
26 05 13 16-0110 MLF #3/0 AWG, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,610.16	802.63
26 05 13 16-0111 MLF #4/0 AWG, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,142.75	931.27
26 05 13 16-0112 MLF 250 MCM, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,607.89	1,084.12
26 05 13 16-0113 MLF 350 MCM, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	10,221.64	1,263.28
26 05 13 16-0114 MLF 500 MCM, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	12,734.50	1,467.41
<b>26 05 13 16-0115 Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable (26 05 13 16-0084)</b>		
<b>26 05 13 16-0116 Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct (26 05 13 16-0115)</b>		
26 05 13 16-0117 MLF #4 AWG, EPR, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,328.75	1,154.77
26 05 13 16-0118 MLF #2 AWG, EPR, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,825.48	1,154.77
26 05 13 16-0119 MLF #1 AWG, EPR, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,014.96	1,154.77
26 05 13 16-0120 MLF #1/0 AWG, EPR, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,632.19	1,154.77
26 05 13 16-0121 MLF #2/0 AWG, EPR, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,218.04	1,154.77
26 05 13 16-0122 MLF #3/0 AWG, EPR, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,327.86	1,205.40
26 05 13 16-0123 MLF #4/0 AWG, EPR, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,558.02	1,205.40
26 05 13 16-0124 MLF 250 MCM, EPR, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable.....	9,951.41	1,260.54
26 05 13 16-0125 MLF 350 MCM, EPR, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable.....	11,374.83	1,290.10
26 05 13 16-0126 MLF 500 MCM, EPR, 15 KV, Installed In Duct, Shielded, Single Copper Conductor, 133% Insulation Cable.....	14,115.42	1,453.18
<b>26 05 13 16-0127 Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial (26 05 13 16-0115)</b>		
Note: Excludes excavation.		
26 05 13 16-0128 MLF #1 AWG, EPR, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	4,772.77	
26 05 13 16-0129 MLF #1/0 AWG, EPR, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,390.00	
26 05 13 16-0130 MLF #2/0 AWG, EPR, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,975.84	
26 05 13 16-0131 MLF #3/0 AWG, EPR, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,101.63	
26 05 13 16-0132 MLF #4/0 AWG, EPR, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,331.78	
26 05 13 16-0133 MLF 250 MCM, EPR, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,790.44	
26 05 13 16-0134 MLF 350 MCM, EPR, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	10,213.72	
26 05 13 16-0135 MLF 500 MCM, EPR, 15 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation Cable.....	12,794.37	
<b>26 05 13 16-0136 Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) (26 05 13 16-0115)</b>		
26 05 13 16-0137 MLF #1 AWG, EPR, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	4,489.63	518.86
26 05 13 16-0138 MLF #1/0 AWG, EPR, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,314.18	597.87
26 05 13 16-0139 MLF #2/0 AWG, EPR, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,172.88	701.83
26 05 13 16-0140 MLF #3/0 AWG, EPR, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,420.84	802.63
26 05 13 16-0141 MLF #4/0 AWG, EPR, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,988.54	931.27
26 05 13 16-0142 MLF 250 MCM, EPR, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	9,645.18	1,084.12
26 05 13 16-0143 MLF 350 MCM, EPR, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	11,464.79	1,263.28
26 05 13 16-0144 MLF 500 MCM, EPR, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	14,333.52	1,467.41
<b>26 05 13 16-0145 15 KV Non-Shielded Single Copper Conductor (26 05 13 16-0084)</b>		
26 05 13 16-0146 MLF #1/0 AWG Cable, 15 KV, Non-Shielded, Single Copper Conductor.....	7,204.71	1,158.82
26 05 13 16-0147 MLF #3/0 AWG Cable, 15 KV, Non-Shielded, Single Copper Conductor.....	9,417.21	1,214.22
26 05 13 16-0148 MLF 350 MCM Cable, 15 KV, Non-Shielded, Single Copper Conductor.....	13,013.03	1,295.14
<b>26 05 13 16-0149 Shielded, Armored Copper, 15 KV, 3 Conductor Cable (26 05 13 16-0084)</b>		
Note: Laid in cable tray or hung in vertical cable shaft.		
<b>26 05 13 16-0150 Galvanized Steel Interlocked Armor Cable (26 05 13 16-0149)</b>		
26 05 13 16-0151 LF #2 AWG TC 3 Conductor 15 KV Galvanized Armored Shielded, Laid In Cable Tray Or Hung Vertically.....	33.61	8.84
26 05 13 16-0152 LF #1/0 AWG TC 3 Conductor 15 KV Galvanized Armored Shielded, Laid In Cable Tray Or Hung Vertically.....	40.37	9.42
<b>26 05 13 16-0153 Aluminum Interlocked Armor Cable (26 05 13 16-0149)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0154 LF #2 AWG TC 3 Conductor 15 KV Aluminum Armored Shielded, Laid In Cable Tray Or Hung Vertically.....	33.61	8.84
26 05 13 16-0155 LF #1/0 AWG TC 3 Conductor 15 KV Aluminum Armored Shielded, Laid In Cable Tray Or Hung Vertically.....	40.37	9.42
<b>26 05 13 16-0156 Type URD, 15 KV Primary Concentric UD Cable</b> (26 05 13 16-0084) Note: 0.175" XLPE insulation, copper conductor.		
26 05 13 16-0157 MLF #4 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor .....	2,452.21	579.46
26 05 13 16-0158 MLF #2 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor .....	2,938.55	632.71
26 05 13 16-0159 MLF #1 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor .....	3,534.29	714.86
26 05 13 16-0160 MLF #1/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor .....	4,612.17	878.34
26 05 13 16-0161 MLF #2/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor .....	5,260.02	988.82
26 05 13 16-0162 MLF #3/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor .....	6,543.86	1,100.86
26 05 13 16-0163 MLF #4/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor .....	7,355.74	1,232.31
<b>26 05 13 16-0164 15 KV, URD Copper Cable, Direct Burial</b> (26 05 13 16-0084)		
26 05 13 16-0165 MLF #6 AWG Cable, 3 Conductor, 15 KV, URD Copper Cable, Direct Burial .....	12,341.35	
<b>26 05 13 16-0166 Wire Connections</b> (26 05 13 16-0001)		
<b>26 05 13 16-0167 Medium Voltage Up To 5 KV</b> (26 05 13 16-0166)		
<b>26 05 13 16-0168 Shielded One Conductor Cable Splice</b> (26 05 13 16-0167)		
26 05 13 16-0169 EA #6 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	199.44	73.38
26 05 13 16-0170 EA #2 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	248.49	73.38
26 05 13 16-0171 EA 1/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	248.49	73.38
26 05 13 16-0172 EA 2/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	270.33	88.05
26 05 13 16-0173 EA 3/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	270.33	88.05
26 05 13 16-0174 EA 4/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	270.33	88.05
26 05 13 16-0175 EA 250 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	299.45	102.73
26 05 13 16-0176 EA 350 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	299.45	102.73
26 05 13 16-0177 EA 500 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	299.45	102.73
<b>26 05 13 16-0178 Cable Termination Without Stress Cone</b> (26 05 13 16-0167)		
26 05 13 16-0179 EA #6 To 4/0 AWG Cable Termination Without Stress Cone, Medium Voltage To 5 KV .....	178.85	88.05
26 05 13 16-0180 EA 250 To 500 MCM Cable Termination Without Stress Cone, Medium Voltage To 5 KV .....	212.19	102.73
<b>26 05 13 16-0181 Cable Termination With Stress Cone</b> (26 05 13 16-0167)		
26 05 13 16-0182 EA #6 To 4/0 AWG Cable Termination With Stress Cone, Medium Voltage To 5 KV .....	770.95	176.11
26 05 13 16-0183 EA 250 To 500 MCM Cable Termination With Stress Cone, Medium Voltage To 5 KV .....	1,062.91	242.14
<b>26 05 13 16-0184 Connect To Pothead, Pothead Included</b> (26 05 13 16-0167)		
26 05 13 16-0185 EA #6 To 4/0 AWG Connection To Pothead (Included) Medium Voltage To 5 KV .....	800.58	176.11
26 05 13 16-0186 EA 250 To 500 MCM Connection To Pothead (Included) Medium Voltage To 5 KV .....	1,011.01	201.79
<b>26 05 13 16-0187 Two Conductor Pothead</b> (26 05 13 16-0167) Note: Includes 5 KV pothead.		
26 05 13 16-0188 EA #6 To 4/0 AWG 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV .....	667.66	242.14
26 05 13 16-0189 EA 250 To 350 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV .....	879.19	308.19
26 05 13 16-0190 EA 400 To 700 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV .....	1,260.27	349.42
26 05 13 16-0191 EA 750 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV .....	1,938.17	407.69
26 05 13 16-0192 EA 1,000 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV .....	3,468.67	611.46
<b>26 05 13 16-0193 Three Conductor Pothead</b> (26 05 13 16-0167) Note: Includes 5 KV pothead.		
26 05 13 16-0194 EA #6 To 4/0 3/c 5 KV Pothead (Included) Medium Voltage To 5 KV .....	2,262.45	352.21
26 05 13 16-0195 EA 250 To 500 MCM 3/c 5 KV Pothead (Included) Medium Voltage To 5 KV .....	2,494.74	410.92
<b>26 05 13 16-0196 Copper Cable Splice, Crimp Compression Connection</b> (26 05 13 16-0167) Note: For bare wire.		
26 05 13 16-0197 EA #6 AWG Crimp Compression Connection For Bare Copper Wire.....	47.43	
26 05 13 16-0198 EA #4 AWG Crimp Compression Connection For Bare Copper Wire.....	52.20	
26 05 13 16-0199 EA #3 AWG Crimp Compression Connection For Bare Copper Wire.....	60.87	
26 05 13 16-0200 EA #2 AWG Crimp Compression Connection For Bare Copper Wire.....	69.13	
26 05 13 16-0201 EA #1 AWG Crimp Compression Connection For Bare Copper Wire.....	77.97	
26 05 13 16-0202 EA 1/0 AWG Crimp Compression Connection For Bare Copper Wire.....	86.57	
26 05 13 16-0203 EA 2/0 AWG Crimp Compression Connection For Bare Copper Wire.....	95.09	
26 05 13 16-0204 EA 3/0 AWG Crimp Compression Connection For Bare Copper Wire.....	104.01	
26 05 13 16-0205 EA 4/0 AWG Crimp Compression Connection For Bare Copper Wire.....	112.68	
26 05 13 16-0206 EA 250 MCM Crimp Compression Connection For Bare Copper Wire.....	121.52	
26 05 13 16-0207 EA 300 MCM Crimp Compression Connection For Bare Copper Wire.....	130.60	
26 05 13 16-0208 EA 350 MCM Crimp Compression Connection For Bare Copper Wire.....	139.14	
26 05 13 16-0209 EA 400 MCM Crimp Compression Connection For Bare Copper Wire.....	157.15	
26 05 13 16-0210 EA 500 MCM Crimp Compression Connection For Bare Copper Wire.....	175.71	



**26 Electrical****26 05 Common Work Results For Electrical****26 05 13 Medium-Voltage Cables**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0211			<b>Aluminum Cable Splice, Crimp Compression Connection</b> <small>(26 05 13 16-0167)</small> Note: For bare wire.		
26 05 13 16-0212	EA		#6 AWG Crimp Compression Connection For Bare Aluminum Wire.....	48.48	
26 05 13 16-0213	EA		#4 AWG Crimp Compression Connection For Bare Aluminum Wire.....	52.78	
26 05 13 16-0214	EA		#2 AWG Crimp Compression Connection For Bare Aluminum Wire.....	71.06	
26 05 13 16-0215	EA		#1 AWG Crimp Compression Connection For Bare Aluminum Wire.....	82.87	
26 05 13 16-0216	EA		1/0 AWG Crimp Compression Connection For Bare Aluminum Wire.....	91.20	
26 05 13 16-0217	EA		2/0 AWG Crimp Compression Connection For Bare Aluminum Wire.....	99.51	
26 05 13 16-0218	EA		3/0 AWG Crimp Compression Connection For Bare Aluminum Wire.....	109.14	
26 05 13 16-0219	EA		4/0 AWG Crimp Compression Connection For Bare Aluminum Wire.....	118.10	
26 05 13 16-0220	EA		250 MCM Crimp Compression Connection For Bare Aluminum Wire.....	126.82	
26 05 13 16-0221	EA		300 MCM Crimp Compression Connection For Bare Aluminum Wire.....	135.78	
26 05 13 16-0222	EA		350 MCM Crimp Compression Connection For Bare Aluminum Wire.....	144.58	
26 05 13 16-0223	EA		400 MCM Crimp Compression Connection For Bare Aluminum Wire.....	164.94	
26 05 13 16-0224	EA		500 MCM Crimp Compression Connection For Bare Aluminum Wire.....	185.42	
26 05 13 16-0225			<b>15 KV</b> <small>(26 05 13 16-0166)</small>		
26 05 13 16-0226			<b>Single Conductor Pothead On Racks</b> <small>(26 05 13 16-0225)</small> Note: Includes pothead.		
26 05 13 16-0227	EA		#2 To 4/0 AWG 1/c 15 KV Pothead (Included), On Racks.....	817.30	308.19
26 05 13 16-0228	EA		250 To 500 MCM 1/c 15 KV Pothead (Included), On Racks.....	1,037.16	381.56
26 05 13 16-0229			<b>Two Conductor Pothead On Rack</b> <small>(26 05 13 16-0225)</small> Note: Includes pothead.		
26 05 13 16-0230	EA		#2 To 4/0 AWG 2/c 15 KV Pothead (Included), On Racks.....	1,218.32	469.62
26 05 13 16-0231	EA		250 To 500 MCM 2/c 15 KV Pothead (Included), On Racks.....	1,458.14	557.67
26 05 13 16-0232			<b>Three Conductor Pothead On Rack</b> <small>(26 05 13 16-0225)</small> Note: Includes pothead.		
26 05 13 16-0233	EA		#2 To 4/0 AWG 3/c 15 KV Pothead (Included), On Racks.....	1,563.32	609.04
26 05 13 16-0234	EA		250 To 500 MCM 3/c 15 KV Pothead (Included), On Racks.....	1,949.38	763.13
26 05 13 16-0235			<b>Stress Relief Cone On Rack</b> <small>(26 05 13 16-0225)</small>		
26 05 13 16-0236	EA		#2 To 4/0 AWG Stress Relief Cone, On Rack.....	781.51	308.19
26 05 13 16-0237	EA		250 To 500 MCM Stress Relief Cone, On Rack.....	996.91	381.56
26 05 13 16-0238			<b>Grounded, Shielded Cable Splice</b> <small>(26 05 13 16-0225)</small>		
26 05 13 16-0239	EA		#2 To 4/0 AWG Cable Splice, Grounded, Shielded, 15 KV.....	550.56	227.48
26 05 13 16-0240	EA		250 To 500 MCM Cable Splice, Grounded, Shielded, 15 KV.....	706.88	293.51
26 05 13 16-0241	EA		3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 2-Way.....	2,966.98	807.15
26 05 13 16-0242	EA		3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE - CE 3-Way.....	3,698.85	880.54
26 05 13 16-0243			<b>Cable Termination</b> <small>(26 05 13 16-0225)</small>		
26 05 13 16-0244	EA		#2 To 3/0 AWG Cable Termination 15 KV.....	349.21	128.41
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.05	
26 05 13 16-0245	EA		4/0 To 250 MCM Cable Termination 15 KV.....	443.23	165.10
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.06	
26 05 13 16-0246	EA		350 To 500 MCM Cable Termination 15 KV.....	547.44	201.79
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.07	
26 05 13 16-0247	EA		#2 To 3/0 AWG Cable Elbow Termination 15 KV.....	216.44	73.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.03	
26 05 13 16-0248			<b>Stress Cones, 5-15 KV, 4 Skirted</b> <small>(26 05 13 16-0225)</small>		
26 05 13 16-0249	EA		#4 To 1/0 AWG Stress Cones, 5-15 KV, 4 Skirted.....	397.06	95.39
26 05 13 16-0250	EA		2/0 To 3/0 AWG Stress Cones, 5-15 KV, 4 Skirted.....	449.84	105.43
26 05 13 16-0251	EA		4/0 To 350 MCM Stress Cones, 5-15 KV, 4 Skirted.....	527.22	115.38
26 05 13 16-0252	EA		400 To 500 MCM Stress Cones, 5-15 KV, 4 Skirted.....	667.09	132.94
26 05 13 16-0253			<b>Stress Cones, 5-15 KV, 6 Skirted</b> <small>(26 05 13 16-0225)</small>		
26 05 13 16-0254	EA		#4 To 1/0 AWG Stress Cones, 5-15 KV, 6 Skirted.....	794.15	191.10
26 05 13 16-0255	EA		2/0 To 3/0 AWG Stress Cones, 5-15 KV, 6 Skirted.....	899.77	210.86
26 05 13 16-0256	EA		4/0 To 350 MCM Stress Cones, 5-15 KV, 6 Skirted.....	1,045.89	226.47
26 05 13 16-0257	EA		400 To 500 MCM Stress Cones, 5-15 KV, 6 Skirted.....	1,334.17	265.86
26 05 13 16-0258			<b>35 KV</b> <small>(26 05 13 16-0166)</small>		
26 05 13 16-0259			<b>35 KV One Conductor Splice</b> <small>(26 05 13 16-0258)</small>		
26 05 13 16-0260	EA		Cable Splicing, #1 Stranded To 4/0 Stranded, 35 KV.....	1,371.65	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 13 16-0261			<b>Cable Termination</b> <small>(26 05 13 16-0258)</small>		
26 05 13 16-0262	EA		#2 To 3/0 AWG Cable Termination 35 KV .....	287.72	88.12
26 05 13 16-0263	EA		3/0 AWG To 250 MCM Cable Termination 35 KV .....	402.28	132.96
26 05 13 16-0264	EA		350 To 500 MCM Cable Termination 35 KV .....	458.02	142.21
26 05 13 16-0265	EA		#2 To 3/0 AWG Cable Elbow Termination 35 KV .....	230.85	73.38

26 05 13 16-0266 **70 KV** (26 05 13 16-0166)

26 05 13 16-0267			<b>Cable Splice</b> <small>(26 05 13 16-0266)</small>		
26 05 13 16-0268	EA		Cable Splicing, 350 MCM 70 KV .....	5,665.33	
26 05 13 16-0269	EA		Cable Splicing, #2 To 4/0 70 KV .....	1,407.86	

**26 05 19 Low-Voltage Electrical Power Conductors And Cables** (26 05)

**26 05 19 13 Undercarpet Electrical Power Cables** (26 05 19)

26 05 19 13-0001			<b>Under Carpet Power System</b> <small>(26 05 19 13)</small>		
<small>Note: Includes laying out, floor prep, taping, testing, drill floor, folds.</small>					
26 05 19 13-0002	LF		3-Conductor, #12 Flat Cable With Attached Bottom Shield .....	6.73	0.33
26 05 19 13-0003	LF		Top Shield, Steel .....	7.59	0.33
26 05 19 13-0004	EA		Splice, 3-Conductor .....	30.97	5.71
26 05 19 13-0005	EA		Splice Top Shield For 3 Conductor .....	6.98	2.69
26 05 19 13-0006	EA		Tap 3-Conductor .....	39.39	6.71
26 05 19 13-0007	EA		Insulating Patch, Splice Tap And End .....	70.45	5.71
26 05 19 13-0008	EA		Transition Block Assembly 3-conductor .....	46.66	3.35
26 05 19 13-0009	EA		Receptacles, Direct Connected Single, With Box .....	139.56	10.73
26 05 19 13-0010	EA		Receptacles, Direct Connected Dual, With Box .....	234.72	16.77
26 05 19 13-0011	EA		Box, Floor Mounted With Cover .....	240.17	13.42
26 05 19 13-0012	LF		5-Conductor #12 With Attached Bottom Shield .....	11.09	0.33
26 05 19 13-0013	LF		Shield, Top, Steel For 5 Conductor .....	11.00	0.33
26 05 19 13-0014	EA		Splice, 5 Conductor .....	31.53	5.71
26 05 19 13-0015	EA		Transition Block Assembly 5 Conductor .....	63.79	3.35
26 05 19 13-0016	EA		Box, Wall, Flush With Cover .....	93.77	13.42
26 05 19 13-0017	EA		Telephone Transition Fitting Wall Box .....	57.56	11.07
26 05 19 13-0018	EA		Telephone Fitting With Duplex Jack And Cover RJ-45 .....	79.22	12.75
26 05 19 13-0019	EA		Telephone Miniature With Duplex RJ-45 .....	34.96	5.03
26 05 19 13-0020	LF		Telephone 4-Pair Level 5 Under Carpet Wire .....	1.95	0.33
26 05 19 13-0021	EA		BNC Coax Connector Plug .....	22.77	6.71
26 05 19 13-0022	EA		TNC Connector Coax Plug .....	22.77	6.71
26 05 19 13-0023	CLF		Flat RG A/U 59, 75 Ohm, RG A/U 62, 93 Ohm, RG A/U 58, 50 Ohm .....	123.00	33.54

**26 05 19 16 Low-Voltage, Single-And Multi-Conductor Cables** (26 05 19)

26 05 19 16-0001			<b>Cable Installation Methods</b> <small>(26 05 19 16)</small>		
26 05 19 16-0002			<b>Pull Cord</b> <small>(26 05 19 16-0001)</small>		
<small>Note: Left in conduit for others to pull cable. Not to be used when contractor has priced new wire in a conduit. Priced when owner wants a pull cord left in a conduit for owner to pull wire at a later time.</small>					
26 05 19 16-0003	LF		Pull String Installed To Remain In Place, In Existing Conduit .....	0.23	
26 05 19 16-0004	LF		Pull String Installed To Remain In Place, In New Conduits .....	0.12	
26 05 19 16-0005	LF		1/4" Nylon Pull Cord Installed To Remain In Place, In Existing Conduit .....	0.39	
26 05 19 16-0006	LF		1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits .....	0.25	

26 05 19 16-0007 **Bore Conduit Into Dirt Or Sand** (26 05 19 16-0001)

<small>Note: For installation under roads, driveways or other structures up to 20'.</small>					
26 05 19 16-0008	LF		Bore 1" To 4" Conduit Into Dirt Or Sand .....	1.46	
26 05 19 16-0009	LF		Bore 5" To 8" Conduit Into Dirt Or Sand .....	1.85	

26 05 19 16-0010 **Wire and Cable** (26 05 19 16)

Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. For tasks placed in conduit, tasks exclude conduit. Excludes terminations. See CSI section 26 05 33 13-0057 for various conduit types.

26 05 19 16-0011			<b>600 Volt Wire</b> <small>(26 05 19 16-0010)</small>		
26 05 19 16-0012			<b>Single Solid Conductor, Copper</b> <small>(26 05 19 16-0011)</small>		
26 05 19 16-0013	MLF		#14 AWG Cable - Type THHN-THWN, 600 Volt Copper, Single Solid, Placed In Conduit .....	407.36	162.81
26 05 19 16-0014	MLF		#12 AWG Cable - Type THHN-THWN, 600 Volt Copper, Single Solid, Placed In Conduit .....	510.54	191.53
26 05 19 16-0015	MLF		#10 AWG Cable - Type THHN-THWN, 600 Volt Copper, Single Solid, Placed In Conduit .....	632.73	234.19
26 05 19 16-0016	MLF		#14 AWG Cable - Type XHHW, 600 Volt Copper, Single Solid, Placed In Conduit .....	538.09	162.81
26 05 19 16-0017	MLF		#12 AWG Cable - Type XHHW, 600 Volt Copper, Single Solid, Placed In Conduit .....	653.08	191.53
26 05 19 16-0018	MLF		#10 AWG Cable - Type XHHW, 600 Volt Copper, Single Solid, Placed In Conduit .....	787.78	234.19

26 05 19 16-0019 **Power Cable, Stranded Conductor, Copper** (26 05 19 16-0011)

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 19 16-0020		Power Cable, Stranded, Single Conductor, XHHW-2 (26 05 19 16-0019)		
26 05 19 16-0021	MLF	#16 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	418.04	134.17
26 05 19 16-0022	MLF	#14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	493.85	161.00
26 05 19 16-0023	MLF	#12 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	606.54	187.84
26 05 19 16-0024	MLF	#10 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	744.13	214.66
26 05 19 16-0025	MLF	#8 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	989.48	268.34
26 05 19 16-0026	MLF	#6 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	1,331.84	322.00
26 05 19 16-0027	MLF	#4 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	1,818.66	402.50
26 05 19 16-0028	MLF	#3 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	2,149.35	456.17
26 05 19 16-0029	MLF	#2 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	2,541.33	509.84
26 05 19 16-0030	MLF	#1 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	3,142.14	563.51
26 05 19 16-0031	MLF	1/0 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	3,765.99	644.00
26 05 19 16-0032	MLF	2/0 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	4,505.68	724.50
26 05 19 16-0033	MLF	3/0 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	5,385.63	805.01
26 05 19 16-0034	MLF	4/0 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	6,444.29	885.51
26 05 19 16-0035	MLF	250 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	6,832.74	966.00
26 05 19 16-0036	MLF	300 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	8,089.98	1,046.51
26 05 19 16-0037	MLF	350 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	8,631.44	1,127.01
26 05 19 16-0038	MLF	400 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	9,648.43	1,207.50
26 05 19 16-0039	MLF	500 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	11,159.14	1,288.01
26 05 19 16-0040	MLF	600 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	12,840.80	1,395.34
26 05 19 16-0041	MLF	750 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	19,451.09	1,556.35
26 05 19 16-0042	MLF	1,000 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Single Stranded, Placed In Conduit	27,391.30	1,824.68

26 05 19 16-0043		Power Cable, Stranded, Multi Conductor, XHHW-2 (26 05 19 16-0019)		
26 05 19 16-0044	MLF	2/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	987.71	321.93
26 05 19 16-0045	MLF	3/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	1,213.23	375.74
26 05 19 16-0046	MLF	4/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	1,505.90	456.17
26 05 19 16-0047	MLF	6/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	1,788.62	496.22
26 05 19 16-0048	MLF	7/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	1,947.45	523.19
26 05 19 16-0049	MLF	9/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	2,264.07	576.78
26 05 19 16-0050	MLF	10/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	1,594.28	601.20
26 05 19 16-0051	MLF	12/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	2,739.79	657.42
26 05 19 16-0052	MLF	14/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	3,023.37	697.81
26 05 19 16-0053	MLF	24/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	4,406.36	885.57
26 05 19 16-0054	MLF	37/c #14 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	6,667.12	1,314.85
26 05 19 16-0055	MLF	2/c #12 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	1,213.26	375.74
26 05 19 16-0056	MLF	3/c #12 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	1,551.38	456.17
26 05 19 16-0057	MLF	4/c #12 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	1,889.50	536.67
26 05 19 16-0058	MLF	2/c #10 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	1,621.91	482.80
26 05 19 16-0059	MLF	3/c #10 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	2,096.95	589.80
26 05 19 16-0060	MLF	4/c #10 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	2,708.49	751.47
26 05 19 16-0061	MLF	6/c #10 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	3,660.59	966.34
26 05 19 16-0062	MLF	9/c #10 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	4,953.11	1,234.41
26 05 19 16-0063	MLF	2/c #8 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	2,012.50	550.09
26 05 19 16-0064	MLF	3/c #8 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	2,565.93	644.00
26 05 19 16-0065	MLF	4/c #8 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	3,320.62	818.43
26 05 19 16-0066	MLF	2/c #6 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	2,596.64	617.17
26 05 19 16-0067	MLF	3/c #6 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	3,492.37	764.76
26 05 19 16-0068	MLF	4/c #6 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	4,465.30	943.20
26 05 19 16-0069	MLF	2/c #4 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	3,496.72	748.79
26 05 19 16-0070	MLF	3/c #4 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	4,578.38	856.46
26 05 19 16-0071	MLF	4/c #4 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	5,921.51	1,068.78
26 05 19 16-0072	MLF	2/c #2 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	4,813.63	912.07
26 05 19 16-0073	MLF	3/c #2 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	6,350.05	1,019.94
26 05 19 16-0074	MLF	4/c #2 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	8,421.13	1,341.67
26 05 19 16-0075	MLF	3/c #1 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	8,419.61	1,287.81
26 05 19 16-0076	MLF	4/c #1 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	10,956.83	1,609.34
26 05 19 16-0077	MLF	3/c #1/0 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	9,956.94	1,395.61
26 05 19 16-0078	MLF	3/c #2/0 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	12,106.55	1,609.34
26 05 19 16-0079	MLF	3/c #3/0 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	14,813.16	1,877.54
26 05 19 16-0080	MLF	4/c #3/0 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	19,527.38	2,414.01
26 05 19 16-0081	MLF	3/c #4/0 AWG Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	18,062.88	2,148.50
26 05 19 16-0082	MLF	3/c 250 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	19,288.10	2,414.01
26 05 19 16-0083	MLF	3/c 350 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	24,150.11	2,683.35
26 05 19 16-0084	MLF	3/c 500 MCM Cable - XLP (XHHW-2), 600 Volt Copper, Stranded, Placed In Conduit	31,190.20	2,949.14

## 26 05 19 16-0085 Underground Feeder And Branch Circuit Suitable, Single Stranded Copper

(26 05 19 16-0011)

Note: Direct bury.

26 05 19 16-0086	MLF	#14 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	606.39	
26 05 19 16-0087	MLF	#12 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	713.98	
26 05 19 16-0088	MLF	#10 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	899.16	
26 05 19 16-0089	MLF	#8 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	1,185.83	
26 05 19 16-0090	MLF	#6 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	1,670.32	
26 05 19 16-0091	MLF	#4 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	2,204.49	
26 05 19 16-0092	MLF	#2 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	3,200.25	
26 05 19 16-0093	MLF	#1 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	3,993.74	
26 05 19 16-0094	MLF	#1/0 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits	4,907.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0095 MLF #2/0 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits .....	5,955.89	
26 05 19 16-0096 MLF #3/0 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits .....	7,191.74	
26 05 19 16-0097 MLF #4/0 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits .....	8,128.40	
26 05 19 16-0098 MLF 250 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits .....	8,801.12	
26 05 19 16-0099 MLF 300 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits .....	10,556.03	
26 05 19 16-0100 MLF 350 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits .....	11,809.66	
26 05 19 16-0101 MLF 400 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits .....	13,278.37	
26 05 19 16-0102 MLF 500 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits .....	15,751.68	
26 05 19 16-0103 MLF 600 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits .....	18,620.87	
26 05 19 16-0104 MLF 750 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits .....	29,718.44	
26 05 19 16-0105 MLF #14 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	490.15	
26 05 19 16-0106 MLF #12 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	586.90	
26 05 19 16-0107 MLF #10 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	701.26	
26 05 19 16-0108 MLF #8 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	860.88	
26 05 19 16-0109 MLF #6 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	1,103.95	
26 05 19 16-0110 MLF #4 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	1,464.34	
26 05 19 16-0111 MLF #2 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	1,982.93	
26 05 19 16-0112 MLF #1 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	2,340.50	
26 05 19 16-0113 MLF #1/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	2,650.21	
26 05 19 16-0114 MLF #2/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	2,986.77	
26 05 19 16-0115 MLF #3/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	3,465.55	
26 05 19 16-0116 MLF #4/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	4,042.00	
26 05 19 16-0117 MLF 250 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	4,579.29	
26 05 19 16-0118 MLF 300 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	5,145.40	
26 05 19 16-0119 MLF 350 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	5,758.87	
26 05 19 16-0120 MLF 400 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	6,392.94	
26 05 19 16-0121 MLF 500 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	7,428.96	
26 05 19 16-0122 MLF 750 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	12,338.48	
26 05 19 16-0123 MLF #14 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	411.12	
26 05 19 16-0124 MLF #12 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	510.80	
26 05 19 16-0125 MLF #10 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	632.27	
26 05 19 16-0126 MLF #8 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	886.94	
26 05 19 16-0127 MLF #6 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	1,206.14	
26 05 19 16-0128 MLF #4 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	1,593.70	
26 05 19 16-0129 MLF #2 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	2,276.03	
26 05 19 16-0130 MLF #1 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	2,710.72	
26 05 19 16-0131 MLF #1/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	3,153.48	
26 05 19 16-0132 MLF #2/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	3,578.71	
26 05 19 16-0133 MLF #3/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	4,245.09	
26 05 19 16-0134 MLF #4/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	5,057.67	
26 05 19 16-0135 MLF 250 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	5,936.66	
26 05 19 16-0136 MLF 300 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	6,852.45	
26 05 19 16-0137 MLF 350 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	7,836.74	
26 05 19 16-0138 MLF 400 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	8,786.48	
26 05 19 16-0139 MLF 500 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	10,431.65	
26 05 19 16-0140 MLF 600 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	12,539.22	
26 05 19 16-0141 MLF 750 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	19,806.84	
26 05 19 16-0142 MLF #2 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	4,010.93	
26 05 19 16-0143 MLF #1/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	5,815.26	
26 05 19 16-0144 MLF #2/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	6,450.45	
26 05 19 16-0145 MLF #3/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	7,338.25	
26 05 19 16-0146 MLF #4/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	8,161.55	
26 05 19 16-0147 MLF 250 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	8,787.87	
26 05 19 16-0148 MLF 350 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	12,767.27	
26 05 19 16-0149 MLF 400 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	13,891.16	
26 05 19 16-0150 MLF 500 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit .....	15,900.35	

26 05 19 16-0151 600 Volt, Armored Cable, Copper Conductors (26 05 19 16-0011)

26 05 19 16-0152 ACTHH, Solid (26 05 19 16-0151)

26 05 19 16-0153 MLF #8 AWG Cable - Type ACT, 1 Conductor, Solid .....	1,599.92	440.26
26 05 19 16-0154 MLF #6 AWG Cable - Type ACT, 1 Conductor, Solid .....	1,846.53	498.97
26 05 19 16-0155 MLF #4 AWG Cable - Type ACT, 1 Conductor, Solid .....	2,119.13	528.32
26 05 19 16-0156 MLF #14 AWG Cable - Type ACTHH, 2 Conductors, Solid .....	2,292.89	733.77
26 05 19 16-0157 MLF #12 AWG Cable - Type ACTHH, 2 Conductors, Solid .....	2,451.46	821.69
26 05 19 16-0158 MLF #10 AWG Cable - Type ACTHH, 2 Conductors, Solid .....	3,122.64	910.40
26 05 19 16-0159 MLF #8 AWG Cable - Type ACTHH, 2 Conductors, Solid .....	4,109.33	998.30
26 05 19 16-0160 MLF #14 AWG Cable - Type ACTHH, 3 Conductors, Solid .....	2,782.13	821.69
26 05 19 16-0161 MLF #12 AWG Cable - Type ACTHH, 3 Conductors, Solid .....	2,907.41	910.40
26 05 19 16-0162 MLF #10 AWG Cable - Type ACTHH, 3 Conductors, Solid .....	3,737.69	1,027.73
26 05 19 16-0163 MLF #8 AWG Cable - Type ACTHH, 3 Conductors, Solid .....	4,887.30	1,115.20
26 05 19 16-0164 MLF #14 AWG Cable - Type ACTHH, 4 Conductors, Solid .....	3,327.58	910.40
26 05 19 16-0165 MLF #12 AWG Cable - Type ACTHH, 4 Conductors, Solid .....	3,641.93	1,027.73
26 05 19 16-0166 MLF #10 AWG Cable - Type ACTHH, 4 Conductors, Solid .....	4,657.95	1,144.76
26 05 19 16-0167 MLF #8 AWG Cable - Type ACTHH, 4 Conductors, Solid .....	6,078.92	1,233.26

**26 Electrical****26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 19 16-0168 ACTHH, Stranded</b> <small>(26 05 19 16-0151)</small>		
26 05 19 16-0169 MLF #8 AWG Cable - Type ACTHH, 2 Conductors, Stranded.....	4,256.78	1,057.30
26 05 19 16-0170 MLF #6 AWG Cable - Type ACTHH, 2 Conductors, Stranded.....	5,205.00	1,202.88
26 05 19 16-0171 MLF #8 AWG Cable - Type ACTHH, 3 Conductors, Stranded.....	5,034.50	1,174.05
26 05 19 16-0172 MLF #6 AWG Cable - Type ACTHH, 3 Conductors, Stranded.....	6,339.25	1,319.77
26 05 19 16-0173 MLF #4 AWG Cable - Type ACTHH, 3 Conductors, Stranded.....	8,056.00	1,467.55
26 05 19 16-0174 MLF #3 AWG Cable - Type ACTHH, 3 Conductors, Stranded.....	9,274.46	1,612.70
26 05 19 16-0175 MLF #2 AWG Cable - Type ACTHH, 3 Conductors, Stranded.....	10,642.39	1,759.67
26 05 19 16-0176 MLF #8 AWG Cable - Type ACTHH, 4 Conductors, Stranded.....	6,516.83	1,408.41
26 05 19 16-0177 MLF #6 AWG Cable - Type ACTHH, 4 Conductors, Stranded.....	7,915.45	1,554.58
26 05 19 16-0178 MLF #4 AWG Cable - Type ACTHH, 4 Conductors, Stranded.....	10,233.24	1,702.51
26 05 19 16-0179 MLF #3 AWG Cable - Type ACTHH, 4 Conductors, Stranded.....	11,217.73	1,848.31
26 05 19 16-0180 MLF #2 AWG Cable - Type ACTHH, 4 Conductors, Stranded.....	13,343.56	1,993.96
<b>26 05 19 16-0181 HCFC, Solid</b> <small>(26 05 19 16-0151)</small>		
26 05 19 16-0182 MLF #14 AWG Cable - Type HCF, 2 Conductors, Solid.....	2,580.85	733.77
26 05 19 16-0183 MLF #12 AWG Cable - Type HCF, 2 Conductors, Solid.....	2,822.25	824.47
26 05 19 16-0184 MLF #10 AWG Cable - Type HCF, 2 Conductors, Solid.....	3,157.22	905.92
26 05 19 16-0185 MLF #14 AWG Cable - Type HCF, 3 Conductors, Solid.....	3,139.59	824.47
26 05 19 16-0186 MLF #12 AWG Cable - Type HCF, 3 Conductors, Solid.....	3,364.87	905.92
26 05 19 16-0187 MLF #10 AWG Cable - Type HCF, 3 Conductors, Solid.....	4,426.42	1,033.52
26 05 19 16-0188 MLF #14 AWG Cable - Type HCF, 4 Conductors, Solid.....	3,875.68	905.92
26 05 19 16-0189 MLF #12 AWG Cable - Type HCF, 4 Conductors, Solid.....	4,227.22	1,033.52
26 05 19 16-0190 MLF #10 AWG Cable - Type HCF, 4 Conductors, Solid.....	5,823.86	1,146.53
<b>26 05 19 16-0191 MC, Solid Or Stranded, Galvanized Steel Armor</b> <small>(26 05 19 16-0151)</small>		
26 05 19 16-0192 MLF #14 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	2,311.90	733.77
26 05 19 16-0193 MLF #12 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	2,580.47	824.47
26 05 19 16-0194 MLF #10 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	3,133.08	905.92
26 05 19 16-0195 MLF #8 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	4,076.58	968.07
26 05 19 16-0196 MLF #6 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	5,141.40	1,026.26
26 05 19 16-0197 MLF #14 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	2,678.69	824.47
26 05 19 16-0198 MLF #12 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	3,031.22	905.92
26 05 19 16-0199 MLF #10 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	3,895.15	1,033.52
26 05 19 16-0200 MLF #8 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	5,145.93	1,115.20
26 05 19 16-0201 MLF #6 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	6,055.39	1,202.88
26 05 19 16-0202 MLF #4 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	7,566.27	1,291.89
26 05 19 16-0203 MLF #2 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	10,617.58	1,379.28
26 05 19 16-0204 MLF #14 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	3,124.17	905.92
26 05 19 16-0205 MLF #12 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	3,580.66	1,033.52
26 05 19 16-0206 MLF #10 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	5,565.97	1,146.53
26 05 19 16-0207 MLF #8 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	7,659.17	1,262.97
26 05 19 16-0208 MLF #6 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	9,433.47	1,351.33
26 05 19 16-0209 MLF #4 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	12,578.67	1,438.79
26 05 19 16-0210 MLF #2 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	16,376.95	1,525.53
<b>26 05 19 16-0211 MC, Solid Or Stranded, Aluminum Armor</b> <small>(26 05 19 16-0151)</small>		
26 05 19 16-0212 MLF #14 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Aluminum Armor.....	2,290.77	733.77
26 05 19 16-0213 MLF #12 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Aluminum Armor.....	2,525.66	824.47
26 05 19 16-0214 MLF #10 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Aluminum Armor.....	3,084.61	905.92
26 05 19 16-0215 MLF #8 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Aluminum Armor.....	2,766.96	824.47
26 05 19 16-0216 MLF #12 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Aluminum Armor.....	2,982.53	905.92
26 05 19 16-0217 MLF #10 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Aluminum Armor.....	3,856.64	1,033.52
26 05 19 16-0218 MLF #8 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Aluminum Armor.....	3,543.83	905.92
26 05 19 16-0219 MLF #12 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Aluminum Armor.....	3,884.82	1,033.52
26 05 19 16-0220 MLF #10 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Aluminum Armor.....	5,565.97	1,146.53
<b>26 05 19 16-0221 FPLP Solid TFN Red Armored Cable</b> <small>(26 05 19 16-0151)</small>		
Note: Color coded red.		
26 05 19 16-0222 MLF #18/2 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	2,346.06	557.67
26 05 19 16-0223 MLF #18/4 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	2,662.64	645.72
26 05 19 16-0224 MLF #18/6 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	3,309.07	733.77
26 05 19 16-0225 MLF #18/8 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	3,797.99	821.83
26 05 19 16-0226 MLF #16/2 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	2,668.92	645.72
26 05 19 16-0227 MLF #16/4 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	3,158.41	733.77
26 05 19 16-0228 MLF #16/6 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	3,978.89	821.83
26 05 19 16-0229 MLF #16/8 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	4,529.45	909.88
<b>26 05 19 16-0230 FPLP Solid THHN Red Armored Cable</b> <small>(26 05 19 16-0151)</small>		
Note: Color coded red.		
26 05 19 16-0231 MLF #14/2 With #14 Ground Type THHN FPLP Red Armored Cable.....	2,962.67	733.77
26 05 19 16-0232 MLF #14/4 With #14 Ground Type THHN FPLP Red Armored Cable.....	3,690.13	821.83
26 05 19 16-0233 MLF #14/6 With #14 Ground Type THHN FPLP Red Armored Cable.....	4,932.92	909.88
26 05 19 16-0234 MLF #14/8 With #14 Ground Type THHN FPLP Red Armored Cable.....	5,726.58	997.93
26 05 19 16-0235 MLF #12/2 With #12 Ground Type THHN FPLP Red Armored Cable.....	3,750.62	821.83



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0236 MLF #12/4 With #12 Ground Type THHN FPLP Red Armored Cable .....	4,601.36	909.88
<b>26 05 19 16-0237 FPLP Twisted Shielded Pair Red Armored Cable</b> (26 05 19 16-0151)		
Note: Color coded red.		
26 05 19 16-0238 MLF #18/2 With #18 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	2,551.50	557.67
26 05 19 16-0239 MLF #18/2 With #18 Tinned Ground And #14/2 With #14 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable .....	4,097.59	821.83
26 05 19 16-0240 MLF #16/2 With #16 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	3,143.15	645.72
26 05 19 16-0241 MLF #16/4 With Two #16 Tinned Grounds FPLP Twisted Shielded Pair Red Armored Cable .....	3,716.53	733.77
26 05 19 16-0242 MLF #16/2 With #16 Tinned Ground And #12/2 With #12 Ground FPLP Twisted Shielded Pair Red Armored Cable .....	5,182.30	909.88
26 05 19 16-0243 MLF #14/2 With One #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable .....	3,680.91	763.13
26 05 19 16-0244 MLF #14/4 With Two #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable .....	4,555.37	880.54
<b>26 05 19 16-0245 Armored Cable Connectors</b> (26 05 19 16-0151)		
26 05 19 16-0246 EA 3/4" Armored Cable Connector .....	4.44	1.61
<i>For Work In Restricted Working Space, Add</i>		
	1.21	
<i>For Installation Above 14', Add</i>		
	0.60	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	1.21	
26 05 19 16-0247 EA 1" Armored Cable Connector.....	5.94	2.15
<i>For Work In Restricted Working Space, Add</i>		
	1.61	
<i>For Installation Above 14', Add</i>		
	0.81	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	1.61	
26 05 19 16-0248 EA 1-1/4" Armored Cable Connector.....	7.47	2.69
<i>For Work In Restricted Working Space, Add</i>		
	2.01	
<i>For Installation Above 14', Add</i>		
	1.01	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	2.01	
<b>26 05 19 16-0249 600 Volt, Feeder Wire, Single Stranded Copper</b> (26 05 19 16-0011)		
26 05 19 16-0250 MLF #14 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	550.63	107.53
<i>For EPR Insulation, Add</i>		
	22.22	
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>		
	51.85	
26 05 19 16-0251 MLF #12 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	620.58	119.08
<i>For EPR Insulation, Add</i>		
	22.65	
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>		
	52.85	
26 05 19 16-0252 MLF #10 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	757.13	148.86
<i>For EPR Insulation, Add</i>		
	33.07	
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>		
	77.16	
26 05 19 16-0253 MLF #8 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,033.28	236.81
<i>For EPR Insulation, Add</i>		
	54.37	
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>		
	126.85	
26 05 19 16-0254 MLF #6 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,414.04	284.16
<i>For EPR Insulation, Add</i>		
	91.35	
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>		
	213.16	
26 05 19 16-0255 MLF #4 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,927.64	329.92
<i>For EPR Insulation, Add</i>		
	138.21	
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>		
	322.49	
26 05 19 16-0256 MLF #3 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,199.33	377.62
<i>For EPR Insulation, Add</i>		
	158.84	
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>		
	370.62	
26 05 19 16-0257 MLF #2 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,771.05	425.31
<i>For EPR Insulation, Add</i>		
	224.47	
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>		
	523.76	
26 05 19 16-0258 MLF #1 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,430.73	473.67
<i>For EPR Insulation, Add</i>		
	303.30	
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>		
	707.69	
26 05 19 16-0259 MLF #1/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	4,135.30	534.39
<i>For EPR Insulation, Add</i>		
	378.80	
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>		
	883.86	
26 05 19 16-0260 MLF #2/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	4,985.62	592.62
<i>For EPR Insulation, Add</i>		
	476.15	
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>		
	1,111.03	
26 05 19 16-0261 MLF #3/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	5,979.26	661.58
<i>For EPR Insulation, Add</i>		
	595.01	
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>		
	1,388.36	
26 05 19 16-0262 MLF #4/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	6,743.78	735.57
<i>For EPR Insulation, Add</i>		
	679.50	
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>		
	1,585.50	
26 05 19 16-0263 MLF 250 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	7,182.33	806.75
<i>For EPR Insulation, Add</i>		
	715.10	
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>		
	1,668.56	
26 05 19 16-0264 MLF 300 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	8,472.13	886.84
<i>For EPR Insulation, Add</i>		
	878.38	
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>		
	2,049.55	
26 05 19 16-0265 MLF 350 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	9,449.54	940.18
<i>For EPR Insulation, Add</i>		
	994.80	
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>		
	2,321.21	
26 05 19 16-0266 MLF 400 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	10,585.57	1,050.80
<i>For EPR Insulation, Add</i>		
	1,135.02	
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>		
	2,648.38	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0267 MLF 500 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	12,092.83	1,168.66
For EPR Insulation, Add	1,330.92	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	3,105.48	
26 05 19 16-0268 MLF 600 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	14,155.16	1,215.89
For EPR Insulation, Add	1,600.02	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	3,733.38	
26 05 19 16-0269 MLF 750 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	22,939.54	1,263.06
For EPR Insulation, Add	2,857.30	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	6,667.04	
26 05 19 16-0270 MLF 1,000 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit.....	28,874.19	1,349.59
For EPR Insulation, Add	3,707.25	
For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	8,650.25	
26 05 19 16-0271 MLF #16 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	943.19	241.37
26 05 19 16-0272 MLF #14 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,175.04	268.34
26 05 19 16-0273 MLF #12 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,472.85	322.27
26 05 19 16-0274 MLF #10 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,745.35	375.53
26 05 19 16-0275 MLF #8 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,579.67	402.10
26 05 19 16-0276 MLF #18 AWG Cable - Type TFFN 600 Volt Copper, Single Stranded, Placed In Conduit.....	318.59	134.17
26 05 19 16-0277 MLF #16 AWG Cable - Type TFFN 600 Volt Copper, Single Stranded, Placed In Conduit.....	397.26	147.59
26 05 19 16-0278 MLF #14 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	407.51	107.60
26 05 19 16-0279 MLF #12 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	505.64	128.26
26 05 19 16-0280 MLF #10 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	624.54	161.34
26 05 19 16-0281 MLF #8 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	873.45	212.66
26 05 19 16-0282 MLF #6 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,183.84	256.80
26 05 19 16-0283 MLF #4 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,559.34	303.49
26 05 19 16-0284 MLF #3 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,861.77	343.54
26 05 19 16-0285 MLF #2 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,221.95	384.73
26 05 19 16-0286 MLF #1 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,642.33	434.17
26 05 19 16-0287 MLF #1/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,073.60	475.42
26 05 19 16-0288 MLF #2/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,484.97	525.39
26 05 19 16-0289 MLF #3/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	4,126.00	555.72
26 05 19 16-0290 MLF #4/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	4,909.47	625.22
26 05 19 16-0291 MLF 250 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	5,756.19	665.13
26 05 19 16-0292 MLF 300 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	6,637.95	753.29
26 05 19 16-0293 MLF 350 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	7,584.96	833.65
26 05 19 16-0294 MLF 400 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	8,499.06	856.46
26 05 19 16-0295 MLF 500 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	10,075.46	906.10
26 05 19 16-0296 MLF 600 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	12,472.14	1,066.29
26 05 19 16-0297 MLF 750 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	19,036.15	1,263.06
26 05 19 16-0298 MLF 1,000 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	22,797.31	1,524.95
26 05 19 16-0299 MLF #16 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,985.24	322.27
26 05 19 16-0300 MLF #14 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,190.03	375.53
26 05 19 16-0301 MLF #12 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,543.22	429.67
26 05 19 16-0302 MLF #10 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,374.08	482.80
26 05 19 16-0303 MLF #8 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,833.26	536.67
26 05 19 16-0304 MLF #6 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	4,975.54	589.80
<b>26 05 19 16-0305 600 Volt, Single Stranded Copper, Low Smoke Zero Halogen (26 05 19 16-0011)</b>		
26 05 19 16-0306 MLF #14 AWG Cable - Type LSZH 600 Volt Copper, Single Stranded.....	413.76	107.60
26 05 19 16-0307 MLF #12 AWG Cable - Type LSZH 600 Volt Copper, Single Stranded.....	527.70	128.26
26 05 19 16-0308 MLF #10 AWG Cable - Type LSZH 600 Volt Copper, Single Stranded.....	714.46	161.34
26 05 19 16-0309 MLF #8 AWG Cable - Type LSZH 600 Volt Copper, Single Stranded.....	1,073.11	212.66
26 05 19 16-0310 MLF #6 AWG Cable - Type LSZH 600 Volt Copper, Single Stranded.....	1,537.15	256.80
26 05 19 16-0311 MLF #4 AWG Cable - Type LSZH 600 Volt Copper, Single Stranded.....	1,999.53	303.49
26 05 19 16-0312 MLF #3 AWG Cable - Type LSZH 600 Volt Copper, Single Stranded.....	2,403.40	343.54
26 05 19 16-0313 MLF #2 AWG Cable - Type LSZH 600 Volt Copper, Single Stranded.....	2,914.50	384.73
26 05 19 16-0314 MLF #1 AWG Cable - Type LSZH 600 Volt Copper, Single Stranded.....	3,342.51	434.17
26 05 19 16-0315 MLF #1/0 AWG Cable - Type LSZH 600 Volt Copper, Single Stranded.....	3,825.26	475.42
26 05 19 16-0316 MLF #2/0 AWG Cable - Type LSZH 600 Volt Copper, Single Stranded.....	4,407.57	525.39
26 05 19 16-0317 MLF #3/0 AWG Cable - Type LSZH 600 Volt Copper, Single Stranded.....	5,319.88	555.72
26 05 19 16-0318 MLF #4/0 AWG Cable - Type LSZH 600 Volt Copper, Single Stranded.....	6,454.32	625.22
26 05 19 16-0319 MLF 250 MCM Cable - Type LSZH 600 Volt Copper, Single Stranded.....	7,336.66	665.13
26 05 19 16-0320 MLF 300 MCM Cable - Type LSZH 600 Volt Copper, Single Stranded.....	8,626.76	753.29
26 05 19 16-0321 MLF 350 MCM Cable - Type LSZH 600 Volt Copper, Single Stranded.....	9,999.89	833.65
26 05 19 16-0322 MLF 400 MCM Cable - Type LSZH 600 Volt Copper, Single Stranded.....	10,937.05	856.46
26 05 19 16-0323 MLF 500 MCM Cable - Type LSZH 600 Volt Copper, Single Stranded.....	13,165.25	906.10
26 05 19 16-0324 MLF 600 MCM Cable - Type LSZH 600 Volt Copper, Single Stranded.....	15,743.51	1,066.29
26 05 19 16-0325 MLF 750 MCM Cable - Type LSZH 600 Volt Copper, Single Stranded.....	20,473.32	1,263.06
26 05 19 16-0326 MLF 1,000 MCM Cable - Type LSZH 600 Volt Copper, Single Stranded.....	26,626.61	1,524.95
<b>26 05 19 16-0327 600 Volt, Feeder Wire, Single Stranded Aluminum (26 05 19 16-0011)</b>		
26 05 19 16-0328 MLF #6 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	649.50	189.01
26 05 19 16-0329 MLF #4 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	767.60	219.78
26 05 19 16-0330 MLF #2 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	1,001.38	282.12
26 05 19 16-0331 MLF #1 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	1,221.20	315.04
26 05 19 16-0332 MLF #1/0 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	1,407.76	354.94
26 05 19 16-0333 MLF #2/0 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	1,594.34	391.76
26 05 19 16-0334 MLF #3/0 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	1,869.27	442.12
26 05 19 16-0335 MLF #4/0 AWG Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit.....	2,068.34	487.77



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0336 MLF 250 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	2,376.90	536.22
26 05 19 16-0337 MLF 300 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	2,889.30	583.13
26 05 19 16-0338 MLF 350 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	3,030.24	630.03
26 05 19 16-0339 MLF 400 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	3,453.20	700.77
26 05 19 16-0340 MLF 500 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	3,805.24	771.48
26 05 19 16-0341 MLF 600 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	4,624.26	898.68
26 05 19 16-0342 MLF 700 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	5,207.75	985.20
26 05 19 16-0343 MLF 750 MCM Cable - Type THHN-THWN, 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	5,326.97	1,021.73
26 05 19 16-0344 MLF 1,000 MCM Cable - Type THHN-THWN, 600 Volt, Aluminum, Single Stranded, Placed In Conduit .....	7,226.57	1,239.41
26 05 19 16-0345 MLF #8 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	745.04	238.21
26 05 19 16-0346 MLF #6 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	838.34	268.34
26 05 19 16-0347 MLF #4 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	1,031.74	330.12
26 05 19 16-0348 MLF #2 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	1,291.95	404.64
26 05 19 16-0349 MLF #1 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	1,601.35	476.36
26 05 19 16-0350 MLF 1/0 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	1,834.79	536.87
26 05 19 16-0351 MLF 2/0 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	2,072.84	596.31
26 05 19 16-0352 MLF 3/0 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	2,349.53	650.58
26 05 19 16-0353 MLF 4/0 AWG Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	2,534.43	692.37
26 05 19 16-0354 MLF 250 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	2,832.89	740.81
26 05 19 16-0355 MLF 300 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	3,339.72	793.93
26 05 19 16-0356 MLF 350 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	3,521.38	857.67
26 05 19 16-0357 MLF 400 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	3,948.43	935.28
26 05 19 16-0358 MLF 500 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	4,459.47	1,073.34
26 05 19 16-0359 MLF 600 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	5,074.35	1,129.56
26 05 19 16-0360 MLF 700 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	5,575.08	1,190.87
26 05 19 16-0361 MLF 750 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	5,788.44	1,265.60
26 05 19 16-0362 MLF 1,000 MCM Cable - XHHW, 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	8,341.31	1,773.70
26 05 19 16-0363 MLF #6 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	873.39	268.34
26 05 19 16-0364 MLF #4 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	1,085.46	330.05
26 05 19 16-0365 MLF #2 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	1,348.64	405.19
26 05 19 16-0366 MLF #1 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	1,664.46	473.67
26 05 19 16-0367 MLF #1/0 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	1,879.93	534.39
26 05 19 16-0368 MLF #2/0 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	2,118.15	592.62
26 05 19 16-0369 MLF #3/0 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	2,425.11	650.58
26 05 19 16-0370 MLF #4/0 AWG Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	2,633.74	692.37
26 05 19 16-0371 MLF 250 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	2,950.42	740.34
26 05 19 16-0372 MLF 300 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	3,492.01	794.95
26 05 19 16-0373 MLF 350 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	3,709.58	858.80
26 05 19 16-0374 MLF 400 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	4,092.20	933.14
26 05 19 16-0375 MLF 500 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	4,708.85	1,073.34
26 05 19 16-0376 MLF 600 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	5,304.77	1,126.54
26 05 19 16-0377 MLF 700 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	5,836.09	1,190.87
26 05 19 16-0378 MLF 750 MCM Cable - XLPE-USE 600 Volt Aluminum, Single Stranded, Placed In Conduit .....	6,082.80	1,261.78
<b>26 05 19 16-0379 Non-Metallic Sheathed Cable</b> <small>(26 05 19 16-0011)</small>		
<b>26 05 19 16-0380 Indoor Installation</b> <small>(26 05 19 16-0379)</small>		
Note: For NM, NM-B, NMC-B and NMS-B.		
26 05 19 16-0381 MLF #14-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable .....	1,522.73	509.77
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		191.16
26 05 19 16-0382 MLF #14-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable .....	1,880.29	617.17
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		231.45
26 05 19 16-0383 MLF #12-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable .....	1,671.70	579.60
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		206.28
26 05 19 16-0384 MLF #12-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable .....	2,104.69	643.87
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		241.46
26 05 19 16-0385 MLF #10-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable .....	2,139.88	644.21
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		241.58
26 05 19 16-0386 MLF #10-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable .....	2,646.26	751.47
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		281.80
26 05 19 16-0387 MLF #8-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable .....	2,777.84	771.46
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		274.71
26 05 19 16-0388 MLF #8-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable .....	3,642.39	932.47
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		332.07
26 05 19 16-0389 MLF #6-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable .....	3,369.90	878.80
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		311.94
26 05 19 16-0390 MLF #6-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable .....	4,380.83	1,059.93
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		377.34
26 05 19 16-0391 MLF #4-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable .....	5,791.96	1,167.26
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		415.08
26 05 19 16-0392 MLF #2-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable .....	8,245.45	1,267.88
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		452.81
<b>26 05 19 16-0393 Direct Burial Cable</b> <small>(26 05 19 16-0379)</small>		
Note: Excludes trench and backfill. For NM, NM-B, NMC-B and NMS-B. Copper.		
26 05 19 16-0394 MLF #14-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching .....	1,632.85	
26 05 19 16-0395 MLF #14-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching .....	2,077.02	
26 05 19 16-0396 MLF #12-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching .....	2,077.23	
26 05 19 16-0397 MLF #12-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching .....	2,455.76	
26 05 19 16-0398 MLF #10-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching .....	2,349.04	



**26 Electrical****26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0399 MLF #10-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	2,961.85	
26 05 19 16-0400 MLF #8-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	3,222.46	
26 05 19 16-0401 MLF #8-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	4,100.71	
26 05 19 16-0402 MLF #6-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	4,203.61	
26 05 19 16-0403 MLF #6-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	5,014.10	
<b>26 05 19 16-0404 SEU Cable Copper, 3 Conductor (26 05 19 16-0379)</b>		
26 05 19 16-0405 MLF 12-12-12 Cable SEU Copper.....	2,012.45	645.94
26 05 19 16-0406 MLF 10-10-10 Cable SEU Copper.....	2,545.26	733.77
26 05 19 16-0407 MLF 8-8-8 Cable SEU Copper.....	3,190.43	821.69
26 05 19 16-0408 MLF 6-6-8 Cable SEU Copper.....	3,881.73	880.90
26 05 19 16-0409 MLF 6-6-6 Cable SEU Copper.....	4,185.29	910.40
26 05 19 16-0410 MLF 4-4-6 Cable SEU Copper.....	5,131.03	998.30
26 05 19 16-0411 MLF 4-4-4 Cable SEU Copper.....	5,541.31	1,027.73
26 05 19 16-0412 MLF 3-3-5 Cable SEU Copper.....	6,473.42	1,115.20
26 05 19 16-0413 MLF 3-3-3 Cable SEU Copper.....	6,878.64	1,174.05
26 05 19 16-0414 MLF 2-2-4 Cable SEU Copper.....	7,353.81	1,233.26
26 05 19 16-0415 MLF 2-2-2 Cable SEU Copper.....	7,869.37	1,291.89
26 05 19 16-0416 MLF 1-1-1 Cable SEU Copper.....	9,663.06	1,467.55
26 05 19 16-0417 MLF 1/0-1/0-1/0 Cable SEU Copper.....	11,527.12	1,645.28
26 05 19 16-0418 MLF 2/0-2/0-2/0 Cable SEU Copper.....	13,915.63	1,853.00
26 05 19 16-0419 MLF 3/0-3/0-3/0 Cable SEU Copper.....	16,787.85	2,061.18
26 05 19 16-0420 MLF 4/0-4/0-4/0 Cable SEU Copper.....	18,762.22	2,300.24
<b>26 05 19 16-0421 SEU Cable Aluminum, 3 Conductor (26 05 19 16-0379)</b>		
26 05 19 16-0422 MLF 8-8-8 Cable SEU Aluminum.....	2,433.02	824.47
26 05 19 16-0423 MLF 6-6-6 Cable SEU Aluminum.....	2,742.82	905.92
26 05 19 16-0424 MLF 4-4-6 Cable SEU Aluminum.....	3,057.01	991.63
26 05 19 16-0425 MLF 4-4-4 Cable SEU Aluminum.....	3,196.68	1,033.52
26 05 19 16-0426 MLF 2-2-4 Cable SEU Aluminum.....	3,812.46	1,222.98
26 05 19 16-0427 MLF 2-2-2 Cable SEU Aluminum.....	4,037.20	1,287.33
26 05 19 16-0428 MLF 1-1-1 Cable SEU Aluminum.....	4,778.58	1,467.55
26 05 19 16-0429 MLF 1/0-1/0-2 Cable SEU Aluminum.....	5,050.56	1,544.82
26 05 19 16-0430 MLF 1/0-1/0-1/0 Cable SEU Aluminum.....	5,916.46	1,630.60
26 05 19 16-0431 MLF 2/0-2/0-1 Cable SEU Aluminum.....	5,705.02	1,747.13
26 05 19 16-0432 MLF 2/0-2/0-2/0 Cable SEU Aluminum.....	6,016.73	1,834.44
26 05 19 16-0433 MLF 3/0-3/0-1/0 Cable SEU Aluminum.....	6,484.71	1,920.89
26 05 19 16-0434 MLF 3/0-3/0-3/0 Cable SEU Aluminum.....	6,922.49	2,038.28
26 05 19 16-0435 MLF 4/0-4/0-2/0 Cable SEU Aluminum.....	7,354.92	2,203.53
26 05 19 16-0436 MLF 4/0-4/0-4/0 Cable SEU Aluminum.....	7,737.08	2,293.06
<b>26 05 19 16-0437 SER Cable Copper, 4 Conductor (26 05 19 16-0379)</b>		
26 05 19 16-0438 MLF 6-6-6-6 Cable SER Copper.....	6,907.21	1,057.30
26 05 19 16-0439 MLF 4-4-4-6 Cable SER Copper.....	9,007.31	1,144.76
26 05 19 16-0440 MLF 3-3-3-5 Cable SER Copper.....	10,599.63	1,291.89
26 05 19 16-0441 MLF 2-2-2-4 Cable SER Copper.....	12,418.96	1,408.41
26 05 19 16-0442 MLF 1-1-1-3 Cable SER Copper.....	15,173.56	1,612.70
26 05 19 16-0443 MLF 1/0-1/0-1/0-2 Cable SER Copper.....	19,395.30	1,848.31
26 05 19 16-0444 MLF 2/0-2/0-2/0-1 Cable SER Copper.....	23,263.41	1,993.96
26 05 19 16-0445 MLF 3/0-3/0-3/0-1/0 Cable SER Copper.....	28,140.95	2,230.32
<b>26 05 19 16-0446 Control Tray Cable, Low Voltage (26 05 19 16-0010)</b>		
Note: Type "TC" multi-conductor (individually numbered conductors) control cables installed in conduit.		
26 05 19 16-0447 MLF 2 Conductor #18 AWG, Stranded, Type TC Control Cable.....	741.08	325.42
For Work In Restricted Working Space, Add	162.71	
26 05 19 16-0448 MLF 3 Conductor #18 AWG, Stranded, Type TC Control Cable.....	862.18	364.03
For Work In Restricted Working Space, Add	182.01	
26 05 19 16-0449 MLF 4 Conductor #18 AWG, Stranded, Type TC Control Cable.....	914.23	364.00
For Work In Restricted Working Space, Add	182.01	
26 05 19 16-0450 MLF 5 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,144.16	456.56
For Work In Restricted Working Space, Add	228.28	
26 05 19 16-0451 MLF 7 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,452.42	556.35
For Work In Restricted Working Space, Add	278.18	
26 05 19 16-0452 MLF 9 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,672.58	611.81
For Work In Restricted Working Space, Add	305.90	
26 05 19 16-0453 MLF 12 Conductor #18 AWG, Stranded, Type TC Control Cable.....	2,010.22	695.16
For Work In Restricted Working Space, Add	347.58	
26 05 19 16-0454 MLF 15 Conductor #18 AWG, Stranded, Type TC Control Cable.....	2,561.09	849.69
For Work In Restricted Working Space, Add	424.84	
26 05 19 16-0455 MLF 19 Conductor #18 AWG, Stranded, Type TC Control Cable.....	2,954.83	926.96
For Work In Restricted Working Space, Add	463.48	
26 05 19 16-0456 MLF 25 Conductor #18 AWG, Stranded, Type TC Control Cable.....	3,589.80	955.94
For Work In Restricted Working Space, Add	477.97	
26 05 19 16-0457 MLF 30 Conductor #18 AWG, Stranded, Type TC Control Cable.....	4,389.10	1,194.23
For Work In Restricted Working Space, Add	597.11	
26 05 19 16-0458 MLF 37 Conductor #18 AWG, Stranded, Type TC Control Cable.....	5,287.86	1,395.68
For Work In Restricted Working Space, Add	697.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0459 MLF 2 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	819.28 171.27	342.79
26 05 19 16-0460 MLF 3 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	957.99 191.59	383.18
26 05 19 16-0461 MLF 4 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,119.64 220.57	441.14
26 05 19 16-0462 MLF 5 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,280.01 240.29	480.58
26 05 19 16-0463 MLF 7 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,632.52 292.82	585.64
26 05 19 16-0464 MLF 9 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,889.47 322.00	644.00
26 05 19 16-0465 MLF 12 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,284.10 365.87	731.75
26 05 19 16-0466 MLF 15 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,921.79 447.18	894.36
26 05 19 16-0467 MLF 19 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,388.48 487.83	975.66
26 05 19 16-0468 MLF 25 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,172.81 503.13	1,006.26
26 05 19 16-0469 MLF 30 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	5,093.42 628.51	1,257.02
26 05 19 16-0470 MLF 37 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	6,150.72 734.57	1,469.13
26 05 19 16-0471 MLF 2 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	897.98 178.91	357.83
26 05 19 16-0472 MLF 3 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,090.73 201.25	402.50
26 05 19 16-0473 MLF 4 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,287.20 230.03	460.06
26 05 19 16-0474 MLF 5 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,464.51 247.74	495.48
26 05 19 16-0475 MLF 7 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,988.11 303.69	607.37
26 05 19 16-0476 MLF 9 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,312.92 335.49	670.84
26 05 19 16-0477 MLF 12 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,891.85 374.33	748.65
26 05 19 16-0478 MLF 15 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,454.05 447.18	894.23
26 05 19 16-0479 MLF 19 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	6,178.77 519.43	1,039.13
26 05 19 16-0480 MLF 25 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	5,266.13 607.58	1,214.89
26 05 19 16-0481 MLF 30 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	6,160.66 678.82	1,357.64
26 05 19 16-0482 MLF 37 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	7,457.26 793.34	1,586.66
26 05 19 16-0483 MLF 2 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,070.35 191.59	383.18
26 05 19 16-0484 MLF 3 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,303.70 211.92	423.97
26 05 19 16-0485 MLF 4 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,605.54 243.92	487.84
26 05 19 16-0486 MLF 5 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,841.19 259.61	519.23
26 05 19 16-0487 MLF 7 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,474.76 309.52	619.05
26 05 19 16-0488 MLF 9 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,076.58 365.87	731.75
26 05 19 16-0489 MLF 12 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,788.79 412.76	825.54
26 05 19 16-0490 MLF 15 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,535.48 473.54	947.09
26 05 19 16-0491 MLF 19 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	5,396.66 536.74	1,073.48
26 05 19 16-0492 MLF 25 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	6,999.62 627.30	1,254.60
26 05 19 16-0493 MLF 30 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	8,095.84 733.16	1,466.32
26 05 19 16-0494 MLF 37 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	9,835.01 856.93	1,713.85
26 05 19 16-0495 MLF 2 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,315.47 201.25	402.50
26 05 19 16-0496 MLF 3 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,687.38 220.57	441.41
26 05 19 16-0497 MLF 4 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,080.48 251.56	503.13
26 05 19 16-0498 MLF 5 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,447.30 272.90	545.79
26 05 19 16-0499 MLF 7 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,353.60 342.53	685.06
26 05 19 16-0500 MLF 9 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,010.22 383.39	766.77

**26 Electrical****26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0501 MLF 12 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,672.33 447.18	894.36
26 05 19 16-0502 MLF 15 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	5,548.70 511.38	1,022.76
26 05 19 16-0503 MLF 19 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	6,621.81 579.60	1,159.20
26 05 19 16-0504 MLF 25 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	8,639.24 677.41	1,354.82
26 05 19 16-0505 MLF 30 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	9,986.64 791.72	1,583.45
26 05 19 16-0506 MLF 37 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	12,157.33 925.55	1,851.11
<b>26 05 19 16-0507 ACSR (Aluminum Conductor Steel Reinforced)</b> (26 05 19 16-0010) Note: Concentric lay stranded Class A galvanizing installed on poles, aerially.		
<b>26 05 19 16-0508 ACSR Cable</b> (26 05 19 16-0507)		
26 05 19 16-0509 MLF #4 AWG ACSR Cable Swan 6/1 Installed On Poles, Aluminum Cable.....	967.79	336.83
26 05 19 16-0510 MLF #4 AWG ACSR Cable Swanate 7/1 Installed On Poles, Aluminum Cable.....	1,018.77	349.75
26 05 19 16-0511 MLF #2 AWG ACSR Cable Sparrow 6/1 Installed On Poles, Aluminum Cable.....	1,083.36	363.22
26 05 19 16-0512 MLF #2 AWG ACSR Cable Sparate 7/1 Installed On Poles, Aluminum Cable.....	1,134.74	376.37
26 05 19 16-0513 MLF #1/0 AWG ACSR Cable Raven 6/1 Installed On Poles, Aluminum Cable.....	1,228.74	389.13
26 05 19 16-0514 MLF #2/0 AWG ACSR Cable Quail 6/1 Installed On Poles, Aluminum Cable.....	1,417.28	441.12
26 05 19 16-0515 MLF #3/0 AWG ACSR Cable Pigeon 6/1 Installed On Poles, Aluminum Cable.....	1,617.77	491.94
26 05 19 16-0516 MLF #4/0 AWG ACSR Cable Penguin 6/1 Installed On Poles, Aluminum Cable.....	1,834.48	543.46
26 05 19 16-0517 MLF #1 Bare Aluminum Wire.....	1,348.45	463.14
26 05 19 16-0518 MLF 336 AWG ACSR Cable Merlin 18/1 Installed On Pole, Aluminum Cable.....	2,221.47	698.41
26 05 19 16-0519 MLF 477 AWG ACSR Cable Hawk 26/1 Installed On Pole, Aluminum Cable.....	2,534.73	801.14
<b>26 05 19 16-0520 All Aluminum Conductors</b> (26 05 19 16-0507)		
26 05 19 16-0521 MLF 795.0 ACSR Conductor Aluminum.....	18,595.13	6,605.35
<b>26 05 19 16-0522 Single Conductor Installed On Poles</b> (26 05 19 16-0010)		
<b>26 05 19 16-0523 Bare Stranded Conductor</b> (26 05 19 16-0522)		
26 05 19 16-0524 MLF #12 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	858.78	285.39
26 05 19 16-0525 MLF #10 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	1,010.58	311.07
26 05 19 16-0526 MLF #8 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	1,163.20	337.07
26 05 19 16-0527 MLF #6 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	1,434.38	363.22
26 05 19 16-0528 MLF #4 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	1,753.84	389.44
26 05 19 16-0529 MLF #2 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	2,528.92	467.12
26 05 19 16-0530 MLF #1 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	2,909.49	518.86
26 05 19 16-0531 MLF #1/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	3,324.41	569.69
26 05 19 16-0532 MLF #2/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	4,475.00	675.68
26 05 19 16-0533 MLF #3/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	5,438.47	776.86
26 05 19 16-0534 MLF #4/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	5,828.51	880.44
26 05 19 16-0535 MLF 250 MCM 1/c Bare Stranded Copper Cable, Installed On Poles.....	7,392.18	1,037.66
26 05 19 16-0536 MLF 300 MCM 1/c Bare Stranded Copper Cable, Installed On Poles.....	7,555.91	1,092.29
26 05 19 16-0537 MLF 350 MCM 1/c Bare Stranded Copper Cable, Installed On Poles.....	9,474.91	1,143.89
26 05 19 16-0538 MLF 400 MCM 1/c Bare Stranded Copper Cable, Installed On Poles.....	10,484.44	1,190.82
26 05 19 16-0539 MLF 500 MCM 1/c Bare Stranded Copper Cable, Installed On Poles.....	12,250.30	1,241.64
<b>26 05 19 16-0540 Insulated Stranded Conductor</b> (26 05 19 16-0522)		
26 05 19 16-0541 MLF #12 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	932.85	285.39
26 05 19 16-0542 MLF #10 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	1,106.15	311.07
26 05 19 16-0543 MLF #8 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	1,351.87	337.07
26 05 19 16-0544 MLF #6 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	1,470.09	363.22
26 05 19 16-0545 MLF #4 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	1,808.33	389.44
26 05 19 16-0546 MLF #2 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	2,450.23	467.12
26 05 19 16-0547 MLF #1 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	2,901.64	518.86
26 05 19 16-0548 MLF #1/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	3,433.98	569.69
26 05 19 16-0549 MLF #2/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	4,138.55	675.68
26 05 19 16-0550 MLF #3/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	4,969.49	776.86
26 05 19 16-0551 MLF #4/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles.....	5,865.10	880.44
26 05 19 16-0552 MLF 250 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles.....	7,168.33	1,037.66
26 05 19 16-0553 MLF 300 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles.....	8,148.44	1,092.29
26 05 19 16-0554 MLF 350 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles.....	8,946.36	1,143.89
26 05 19 16-0555 MLF 400 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles.....	10,046.20	1,190.82
26 05 19 16-0556 MLF 500 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles.....	11,318.17	1,241.64
<b>26 05 19 16-0557 Bare Solid Conductor</b> (26 05 19 16-0522)		
26 05 19 16-0558 MLF #12 AWG 1/c Bare Solid Copper Cable, Installed On Poles.....	858.78	285.39
26 05 19 16-0559 MLF #8 AWG 1/c Bare Solid Copper Cable, Installed On Poles.....	1,163.20	337.07
26 05 19 16-0560 MLF #6 AWG 1/c Bare Solid Copper Cable, Installed On Poles.....	1,434.38	363.22
26 05 19 16-0561 MLF #4 AWG 1/c Bare Solid Copper Cable, Installed On Poles.....	1,731.33	389.44



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0562				<b>Multi-Conductor Cords, Cables And Associated Equipment</b> (26 05 19 16-0010)		
26 05 19 16-0563				<b>Multi-Conductor Cords</b> (26 05 19 16-0562) Note: Includes installation in cable tray, surface mounting or installation between junction boxes. Excludes strain relief devices, plugs and connector bodies.		
26 05 19 16-0564				<b>Multi-Conductor Type SOOW And SJOOW Cord</b> (26 05 19 16-0563) Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0565				<b>300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord</b> (26 05 19 16-0564)		
26 05 19 16-0566				<b>#18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord</b> (26 05 19 16-0565)		
	26 05 19 16-0567	LF		2/c #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	0.87	0.29
	26 05 19 16-0568	LF		3/c #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	0.93	0.29
	26 05 19 16-0569	LF		4/c #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.08	0.29
26 05 19 16-0570				<b>#16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord</b> (26 05 19 16-0565)		
	26 05 19 16-0571	LF		2/c #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.02	0.29
	26 05 19 16-0572	LF		3/c #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.11	0.29
	26 05 19 16-0573	LF		4/c #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.25	0.29
26 05 19 16-0574				<b>#14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord</b> (26 05 19 16-0565)		
	26 05 19 16-0575	LF		2/c #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.20	0.29
	26 05 19 16-0576	LF		3/c #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.35	0.29
	26 05 19 16-0577	LF		4/c #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.64	0.29
26 05 19 16-0578				<b>#12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord</b> (26 05 19 16-0565)		
	26 05 19 16-0579	LF		2/c #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.44	0.29
	26 05 19 16-0580	LF		3/c #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.62	0.29
	26 05 19 16-0581	LF		4/c #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.88	0.29
26 05 19 16-0582				<b>#10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord</b> (26 05 19 16-0565)		
	26 05 19 16-0583	LF		2/c #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.97	0.37
	26 05 19 16-0584	LF		3/c #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.09	0.37
	26 05 19 16-0585	LF		4/c #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.28	0.37
26 05 19 16-0586				<b>600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> (26 05 19 16-0564)		
26 05 19 16-0587				<b>#18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> (26 05 19 16-0586)		
	26 05 19 16-0588	LF		2/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	0.93	0.29
	26 05 19 16-0589	LF		3/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.03	0.29
	26 05 19 16-0590	LF		4/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.18	0.29
	26 05 19 16-0591	LF		5/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.22	0.40
	26 05 19 16-0592	LF		6/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.45	0.41
	26 05 19 16-0593	LF		7/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.62	0.42
	26 05 19 16-0594	LF		8/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.90	0.43
	26 05 19 16-0595	LF		10/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.39	0.45
	26 05 19 16-0596	LF		12/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.92	0.46
	26 05 19 16-0597	LF		14/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.34	0.47
	26 05 19 16-0598	LF		16/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.43	0.48
	26 05 19 16-0599	LF		18/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.57	0.49
	26 05 19 16-0600	LF		20/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.26	0.50
	26 05 19 16-0601	LF		24/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.03	0.52
	26 05 19 16-0602	LF		30/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.36	0.55
26 05 19 16-0603				<b>#16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> (26 05 19 16-0586)		
	26 05 19 16-0604	LF		2/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.11	0.29
	26 05 19 16-0605	LF		3/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.20	0.29
	26 05 19 16-0606	LF		4/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.39	0.29
	26 05 19 16-0607	LF		5/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.34	0.40
	26 05 19 16-0608	LF		6/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.61	0.41
	26 05 19 16-0609	LF		7/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.88	0.42
	26 05 19 16-0610	LF		8/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.22	0.43
	26 05 19 16-0611	LF		9/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.36	0.44
	26 05 19 16-0612	LF		10/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.78	0.45
	26 05 19 16-0613	LF		12/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.49	0.46
	26 05 19 16-0614	LF		14/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.85	0.47
	26 05 19 16-0615	LF		16/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.53	0.48
	26 05 19 16-0616	LF		18/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.45	0.49
	26 05 19 16-0617	LF		20/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.30	0.50
	26 05 19 16-0618	LF		24/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.93	0.52
	26 05 19 16-0619	LF		26/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.87	0.53

**26 Electrical****26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0620 LF 30/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	11.56	0.55
<b>26 05 19 16-0621 #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0586)</small>		
26 05 19 16-0622 LF 2/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.37	0.29
26 05 19 16-0623 LF 3/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.48	0.29
26 05 19 16-0624 LF 4/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.74	0.29
26 05 19 16-0625 LF 5/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.17	0.40
26 05 19 16-0626 LF 6/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.87	0.41
26 05 19 16-0627 LF 7/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.11	0.42
26 05 19 16-0628 LF 8/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.66	0.43
26 05 19 16-0629 LF 9/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.04	0.44
26 05 19 16-0630 LF 10/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.67	0.45
26 05 19 16-0631 LF 12/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.28	0.46
26 05 19 16-0632 LF 14/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.98	0.47
26 05 19 16-0633 LF 16/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.49	0.48
26 05 19 16-0634 LF 20/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.56	0.50
26 05 19 16-0635 LF 24/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	11.37	0.52
26 05 19 16-0636 LF 30/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	13.51	0.55
<b>26 05 19 16-0637 #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0586)</small>		
26 05 19 16-0638 LF 2/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.64	0.29
26 05 19 16-0639 LF 3/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.84	0.29
26 05 19 16-0640 LF 4/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.04	0.29
26 05 19 16-0641 LF 5/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.69	0.40
26 05 19 16-0642 LF 6/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.34	0.41
26 05 19 16-0643 LF 7/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.01	0.42
26 05 19 16-0644 LF 8/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.72	0.43
26 05 19 16-0645 LF 9/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.23	0.44
26 05 19 16-0646 LF 10/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.11	0.45
26 05 19 16-0647 LF 12/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.16	0.46
26 05 19 16-0648 LF 14/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.13	0.47
26 05 19 16-0649 LF 16/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	10.10	0.48
26 05 19 16-0650 LF 18/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	10.55	0.49
26 05 19 16-0651 LF 20/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	12.23	0.50
26 05 19 16-0652 LF 24/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	13.97	0.52
26 05 19 16-0653 LF 26/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	15.70	0.53
26 05 19 16-0654 LF 28/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	16.25	0.54
26 05 19 16-0655 LF 30/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	16.85	0.55
<b>26 05 19 16-0656 #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0586)</small>		
26 05 19 16-0657 LF 2/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.91	0.37
26 05 19 16-0658 LF 3/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.09	0.37
26 05 19 16-0659 LF 4/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.27	0.37
26 05 19 16-0660 LF 5/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.13	0.40
26 05 19 16-0661 LF 6/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.42	0.41
26 05 19 16-0662 LF 7/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.44	0.42
26 05 19 16-0663 LF 10/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.39	0.45
26 05 19 16-0664 LF 12/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.67	0.46
26 05 19 16-0665 LF 16/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	12.46	0.48
26 05 19 16-0666 LF 20/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	18.36	0.50
<b>26 05 19 16-0667 #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0586)</small>		
26 05 19 16-0668 LF 3/c #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	4.08	0.44
26 05 19 16-0669 LF 4/c #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	4.48	0.51
26 05 19 16-0670 LF 5/c #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	6.31	0.51
<b>26 05 19 16-0671 #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0586)</small>		
26 05 19 16-0672 LF 3/c #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	6.08	0.51
26 05 19 16-0673 LF 4/c #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	7.36	0.59
26 05 19 16-0674 LF 5/c #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	8.82	0.73
<b>26 05 19 16-0675 #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0586)</small>		
26 05 19 16-0676 LF 3/c #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	9.82	0.73
26 05 19 16-0677 LF 4/c #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	10.82	0.81
26 05 19 16-0678 LF 5/c #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	13.15	0.88
<b>26 05 19 16-0679 #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0586)</small>		
26 05 19 16-0680 LF 3/c #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	14.28	1.46
26 05 19 16-0681 LF 4/c #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	18.21	1.83



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0682 LF 5/c #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	21.74	2.43
<b>26 05 19 16-0683 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0564)</small>		
<b>26 05 19 16-0684 #18, 300 Volt, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0683)</small>		
26 05 19 16-0685 LF 2/c #18, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III) .....	1.25	0.29
26 05 19 16-0686 LF 3/c #18, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III) .....	1.42	0.29
26 05 19 16-0687 LF 4/c #18, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III) .....	1.75	0.29
<b>26 05 19 16-0688 #16, 300 Volt, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0683)</small>		
26 05 19 16-0689 LF 2/c #16, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III) .....	1.35	0.29
26 05 19 16-0690 LF 3/c #16, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III) .....	1.62	0.29
26 05 19 16-0691 LF 4/c #16, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III) .....	1.74	0.29
<b>26 05 19 16-0692 #14, 300 Volt, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0683)</small>		
26 05 19 16-0693 LF 2/c #14, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III) .....	2.02	0.29
26 05 19 16-0694 LF 3/c #14, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III) .....	3.10	0.29
26 05 19 16-0695 LF 4/c #14, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III) .....	4.05	0.37
<b>26 05 19 16-0696 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0564)</small>		
<b>26 05 19 16-0697 #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0696)</small>		
26 05 19 16-0698 LF 2/c #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) .....	1.94	0.29
26 05 19 16-0699 LF 3/c #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) .....	2.39	0.29
26 05 19 16-0700 LF 4/c #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) .....	2.87	0.29
<b>26 05 19 16-0701 #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0696)</small>		
26 05 19 16-0702 LF 2/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) .....	2.10	0.29
26 05 19 16-0703 LF 3/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) .....	2.56	0.29
26 05 19 16-0704 LF 4/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) .....	3.30	0.29
26 05 19 16-0705 LF 5/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) .....	3.57	0.37
<b>26 05 19 16-0706 #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0696)</small>		
26 05 19 16-0707 LF 3/c #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) .....	2.67	0.29
26 05 19 16-0708 LF 4/c #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) .....	3.27	0.29
26 05 19 16-0709 LF 5/c #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) .....	3.67	0.37
<b>26 05 19 16-0710 #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0696)</small>		
26 05 19 16-0711 LF 3/c #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) .....	3.24	0.29
26 05 19 16-0712 LF 4/c #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) .....	3.76	0.29
26 05 19 16-0713 LF 5/c #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) .....	4.22	0.37
<b>26 05 19 16-0714 #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0696)</small>		
26 05 19 16-0715 LF 3/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) .....	3.73	0.37
26 05 19 16-0716 LF 4/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) .....	4.21	0.37
26 05 19 16-0717 LF 5/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III) .....	4.66	0.37
<b>26 05 19 16-0718 Multi-Conductor Type SEOW Cord</b> <small>(26 05 19 16-0563)</small>		
Note: Includes thermoplastic elastomeric (TPE) insulation.		
<b>26 05 19 16-0719 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord</b> <small>(26 05 19 16-0718)</small>		
<b>26 05 19 16-0720 #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord</b> <small>(26 05 19 16-0719)</small>		
26 05 19 16-0721 LF 3/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	1.38	0.29
26 05 19 16-0722 LF 4/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	1.55	0.29
26 05 19 16-0723 LF 5/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.53	0.37
<b>26 05 19 16-0724 #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord</b> <small>(26 05 19 16-0719)</small>		
26 05 19 16-0725 LF 3/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	1.93	0.29
26 05 19 16-0726 LF 4/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.27	0.29
26 05 19 16-0727 LF 5/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.40	0.37
<b>26 05 19 16-0728 #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord</b> <small>(26 05 19 16-0719)</small>		
26 05 19 16-0729 LF 3/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.49	0.29
26 05 19 16-0730 LF 4/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.94	0.29

**26 Electrical****26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0731 LF 5/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.77	0.37
<b>26 05 19 16-0732 #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord</b> <small>(26 05 19 16-0719)</small>		
26 05 19 16-0733 LF 3/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.23	0.37
26 05 19 16-0734 LF 4/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.77	0.37
26 05 19 16-0735 LF 5/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	4.05	0.37
<b>26 05 19 16-0736 Multi-Conductor Type W Cord</b> <small>(26 05 19 16-0563)</small> Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
<b>26 05 19 16-0737 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord</b> <small>(26 05 19 16-0736)</small>		
<b>26 05 19 16-0738 #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord</b> <small>(26 05 19 16-0737)</small>		
26 05 19 16-0739 LF 3/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	4.54	0.44
26 05 19 16-0740 LF 4/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	4.91	0.51
26 05 19 16-0741 LF 5/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	5.88	0.51
<b>26 05 19 16-0742 #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord</b> <small>(26 05 19 16-0737)</small>		
26 05 19 16-0743 LF 3/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	4.86	0.51
26 05 19 16-0744 LF 4/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	5.81	0.59
26 05 19 16-0745 LF 5/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	7.25	0.73
<b>26 05 19 16-0746 #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord</b> <small>(26 05 19 16-0737)</small>		
26 05 19 16-0747 LF 3/c #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	6.85	0.51
26 05 19 16-0748 LF 4/c #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	8.10	0.59
26 05 19 16-0749 LF 5/c #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	10.47	0.73
<b>26 05 19 16-0750 Cord Grips, Cable Reels, Extension Cords, And Accessories</b> <small>(26 05 19 16-0562)</small>		
<b>26 05 19 16-0751 Cord Grips</b> <small>(26 05 19 16-0750)</small>		
26 05 19 16-0752 EA Cord Grip With Watertight Connector For 1/2" NPT Zinc Plated Steel.....	46.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.34	
26 05 19 16-0753 EA Cord Grip With Watertight Connector For 3/4" NPT Zinc Plated Steel.....	46.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.34	
<b>26 05 19 16-0754 Cable Reels</b> <small>(26 05 19 16-0750)</small> Note: Includes handling, mounting, electrical connections and installing cord.		
26 05 19 16-0755 EA 30', 16-3, SJO, Extension Cord Reel (Cox Reels PC10-3016-A).....	553.13	36.69
26 05 19 16-0756 EA 50', 10-4, SEOW, Extension Cord Reel (Reelcraft L 7050 104 X 1).....	1,583.90	36.69
26 05 19 16-0757 EA 50', 16-3, SOOW, Extension Cord Reel (KH Industries RTFD3L-WW-B16K).....	1,176.45	36.69
<b>26 05 19 16-0758 Extension Cords</b> <small>(26 05 19 16-0750)</small>		
26 05 19 16-0759 EA 100 LF, 120 Volt, 12 Gauge, 3 Wire, Extension Cord.....	116.95	
26 05 19 16-0760 EA 100 LF, 240 Volt, 10 Gauge, 3 Wire, Extension Cord.....	165.91	
<b>26 05 19 16-0761 Plugs And Connector Bodies</b> <small>(26 05 19 16-0750)</small> Note: Up to 277 volts.		
<b>26 05 19 16-0762 NEMA Twist-Lock Plugs</b> <small>(26 05 19 16-0761)</small>		
26 05 19 16-0763 EA 15 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7545C).....	56.04	
26 05 19 16-0764 EA 15 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL4770CBK).....	57.53	
26 05 19 16-0765 EA 20 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7102C).....	51.27	
26 05 19 16-0766 EA 20 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2331).....	55.86	
26 05 19 16-0767 EA 20 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2411).....	77.38	
26 05 19 16-0768 EA 20 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2441).....	83.21	
26 05 19 16-0769 EA 20 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2511BK).....	88.92	
26 05 19 16-0770 EA 30 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2611BK).....	78.25	
26 05 19 16-0771 EA 30 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2711BK).....	92.27	
26 05 19 16-0772 EA 30 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2761).....	95.00	
26 05 19 16-0773 EA 30 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2811BK).....	98.47	
<b>26 05 19 16-0774 NEMA Twist-Lock Connector Bodies</b> <small>(26 05 19 16-0761)</small>		
26 05 19 16-0775 EA 15 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7506C).....	60.26	
26 05 19 16-0776 EA 15 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL4779C).....	65.53	
26 05 19 16-0777 EA 20 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7101C).....	54.43	
26 05 19 16-0778 EA 20 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2323BK).....	78.25	
26 05 19 16-0779 EA 20 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2413BK).....	93.63	
26 05 19 16-0780 EA 20 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2443).....	101.08	
26 05 19 16-0781 EA 20 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2513BK).....	126.14	
26 05 19 16-0782 EA 30 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2623BK).....	119.81	
26 05 19 16-0783 EA 30 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2713BK).....	151.20	
26 05 19 16-0784 EA 30 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2753).....	159.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0785 EA 30 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2813BK).....	150.45	
<b>26 05 19 16-0786 Watertight Pin And Sleeve Plug</b> <small>(26 05 19 16-0761)</small>		
26 05 19 16-0787 EA 20 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P4W).....	186.63	22.02
26 05 19 16-0788 EA 20 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P6W).....	188.70	22.02
26 05 19 16-0789 EA 20 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P7W).....	204.75	22.02
26 05 19 16-0790 EA 20 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P12W).....	204.31	24.21
26 05 19 16-0791 EA 20 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P9W).....	201.20	24.21
26 05 19 16-0792 EA 20 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P7W).....	202.13	24.21
26 05 19 16-0793 EA 30 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P4W).....	287.01	27.08
26 05 19 16-0794 EA 30 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P6W).....	279.25	27.08
26 05 19 16-0795 EA 30 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P7W).....	312.57	27.08
26 05 19 16-0796 EA 30 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P12W).....	305.98	29.72
26 05 19 16-0797 EA 30 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P9W).....	292.51	29.72
26 05 19 16-0798 EA 30 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P7W).....	301.78	29.72
26 05 19 16-0799 EA 60 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P4W).....	390.51	35.22
26 05 19 16-0800 EA 60 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P6W).....	397.90	35.22
26 05 19 16-0801 EA 60 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P7W).....	380.38	35.22
26 05 19 16-0802 EA 60 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P12W).....	433.53	39.18
26 05 19 16-0803 EA 60 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P9W).....	422.03	39.18
26 05 19 16-0804 EA 60 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P7W).....	427.00	39.18
26 05 19 16-0805 EA 100 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P6W).....	537.44	44.03
26 05 19 16-0806 EA 100 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P7W).....	565.98	44.03
26 05 19 16-0807 EA 100 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P12W).....	549.84	48.43
26 05 19 16-0808 EA 100 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P9W).....	540.09	48.43
26 05 19 16-0809 EA 100 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P7W).....	545.36	48.43
<b>26 05 19 16-0810 Watertight Pin And Sleeve Connector</b> <small>(26 05 19 16-0761)</small>		
26 05 19 16-0811 EA 20 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C4W).....	198.52	22.02
26 05 19 16-0812 EA 20 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C6W).....	199.95	22.02
26 05 19 16-0813 EA 20 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C7W).....	236.94	22.02
26 05 19 16-0814 EA 20 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C12W).....	234.28	24.21
26 05 19 16-0815 EA 20 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C9W).....	230.53	24.21
26 05 19 16-0816 EA 20 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C7W).....	233.92	24.21
26 05 19 16-0817 EA 30 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C4W).....	294.11	27.08
26 05 19 16-0818 EA 30 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C6W).....	294.03	27.08
26 05 19 16-0819 EA 30 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C7W).....	306.79	27.08
26 05 19 16-0820 EA 30 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C12W).....	302.52	29.72
26 05 19 16-0821 EA 30 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C9W).....	305.15	29.72
26 05 19 16-0822 EA 30 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C7W).....	302.38	29.72
26 05 19 16-0823 EA 60 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C4W).....	463.40	35.22
26 05 19 16-0824 EA 60 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C6W).....	447.78	35.22
26 05 19 16-0825 EA 60 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C7W).....	438.47	35.22
26 05 19 16-0826 EA 60 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C12W).....	476.91	39.18
26 05 19 16-0827 EA 60 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C9W).....	490.49	39.18
26 05 19 16-0828 EA 60 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C7W).....	491.49	39.18
26 05 19 16-0829 EA 100 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C6W).....	617.40	44.03
26 05 19 16-0830 EA 100 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C7W).....	635.32	44.03
26 05 19 16-0831 EA 100 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C12W).....	686.20	48.43
26 05 19 16-0832 EA 100 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C9W).....	661.59	48.43
26 05 19 16-0833 EA 100 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C7W).....	669.99	48.43
<b>26 05 19 16-0834 Accessories</b> <small>(26 05 19 16-0750)</small>		
26 05 19 16-0835 EA 1/2" Straight Steel Cord Connector.....	36.10	7.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.40	
26 05 19 16-0836 EA 1/2" Straight Nylon Cord Connector.....	21.72	5.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.30	
26 05 19 16-0837 EA 1/2" 90 Degree Steel Cord Connector.....	41.37	9.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.51	
26 05 19 16-0838 EA 1/2" 90 Degree Nylon Cord Connector.....	26.19	7.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.40	
26 05 19 16-0839 EA 1/2" Straight Steel Cord Connector With Strain Relief Mesh.....	40.84	9.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.51	
26 05 19 16-0840 EA 1/2" 90 Degree Steel Cord Connector With Strain Relief Mesh.....	70.36	11.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.61	
26 05 19 16-0841 EA 1/2" Straight Nylon Cord Connector With Strain Relief Mesh.....	25.78	7.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.40	
26 05 19 16-0842 EA 1/2" 90 Degree Nylon Cord Connector With Strain Relief Mesh.....	43.32	9.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.51	
26 05 19 16-0843 EA 3/4" Straight Steel Cord Connector.....	37.61	7.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.40	
26 05 19 16-0844 EA 3/4" Straight Nylon Cord Connector.....	22.47	5.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.30	
26 05 19 16-0845 EA 3/4" 90 Degree Steel Cord Connector.....	46.08	9.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.51	
26 05 19 16-0846 EA 3/4" 90 Degree Nylon Cord Connector.....	28.54	7.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.40	
26 05 19 16-0847 EA 3/4" Straight Steel Cord Connector With Strain Relief Mesh.....	46.10	11.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.61	



**26 Electrical****26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0848 EA 3/4" 90 Degree Steel Cord Connector With Strain Relief Mesh ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.80 7.70	12.84
26 05 19 16-0849 EA 3/4" Straight Nylon Cord Connector With Strain Relief Mesh..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.03 5.51	9.17
26 05 19 16-0850 EA 3/4" 90 Degree Nylon Cord Connector With Strain Relief Mesh ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.48 6.61	11.01
26 05 19 16-0851 EA 1" Straight Steel Cord Connector..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.28 4.40	7.34
26 05 19 16-0852 EA 1" Straight Nylon Cord Connector..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.31 3.30	5.50
26 05 19 16-0853 EA 1" 90 Degree Steel Cord Connector ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.47 5.51	9.17
26 05 19 16-0854 EA 1" 90 Degree Nylon Cord Connector ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.74 4.40	7.34
26 05 19 16-0855 EA 1" Straight Steel Cord Connector With Strain Relief Mesh..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.25 6.61	11.01
26 05 19 16-0856 EA 1" 90 Degree Steel Cord Connector With Strain Relief Mesh ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.50 7.70	12.84
26 05 19 16-0857 EA 1" Straight Nylon Cord Connector With Strain Relief Mesh..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.19 5.51	9.17
26 05 19 16-0858 EA 1" 90 Degree Nylon Cord Connector With Strain Relief Mesh..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.84 6.61	11.01

**26 05 23 Control-Voltage Electrical Power Cables (26 05)**

- 26 05 23 00-0001 Cable For HVAC System Controls (26 05 23)  
 26 05 23 00-0002 Low Voltage Thermostat Cable To 300 Volts (26 05 23 00-0001)  
 Note: For surface or conduit installation.

26 05 23 00-0003 MLF #20/2 Conductor, Low Volt Thermostat Cable .....	289.43	85.53
26 05 23 00-0004 MLF #20/3 Conductor, Low Volt Thermostat Cable .....	330.10	90.09
26 05 23 00-0005 MLF #20/4 Conductor, Low Volt Thermostat Cable .....	357.68	95.26
26 05 23 00-0006 MLF #20/5 Conductor, Low Volt Thermostat Cable .....	427.93	99.29
26 05 23 00-0007 MLF #20/6 Conductor, Low Volt Thermostat Cable .....	448.56	103.98
26 05 23 00-0008 MLF #20/7 Conductor, Low Volt Thermostat Cable .....	493.40	108.30
26 05 23 00-0009 MLF #20/8 Conductor, Low Volt Thermostat Cable .....	532.37	112.64
26 05 23 00-0010 MLF #20/9 Conductor, Low Volt Thermostat Cable .....	577.76	117.13
26 05 23 00-0011 MLF #20/10 Conductor, Low Volt Thermostat Cable .....	621.37	120.64
26 05 23 00-0012 MLF #18/2 Conductor, Low Volt Thermostat Cable .....	314.02	85.53
26 05 23 00-0013 MLF #18/3 Conductor, Low Volt Thermostat Cable .....	373.97	90.09
26 05 23 00-0014 MLF #18/4 Conductor, Low Volt Thermostat Cable .....	427.27	95.26
26 05 23 00-0015 MLF #18/5 Conductor, Low Volt Thermostat Cable .....	456.66	99.29
26 05 23 00-0016 MLF #18/6 Conductor, Low Volt Thermostat Cable .....	506.27	103.98
26 05 23 00-0017 MLF #18/7 Conductor, Low Volt Thermostat Cable .....	519.90	108.30
26 05 23 00-0018 MLF #18/8 Conductor, Low Volt Thermostat Cable .....	572.80	112.64
26 05 23 00-0019 MLF #18/9 Conductor, Low Volt Thermostat Cable .....	674.78	117.13
26 05 23 00-0020 MLF #18/10 Conductor, Low Volt Thermostat Cable .....	741.04	120.64

**26 05 26 Grounding And Bonding For Electrical Systems (26 05)**

- 26 05 26 00-0001 Conductors, Straps And Conduit Jumpers (26 05 26)  
 26 05 26 00-0002 Single Conductor (26 05 26 00-0001)  
 26 05 26 00-0003 Copper Bare Stranded Conductors (26 05 26 00-0002)

26 05 26 00-0004 MLF 12 AWG Copper Bare Single Stranded Conductor .....	371.23	127.95
26 05 26 00-0005 MLF 10 AWG Copper Bare Single Stranded Conductor .....	502.91	127.95
26 05 26 00-0006 MLF 8 AWG Copper Bare Single Stranded Conductor .....	635.13	154.12
26 05 26 00-0007 MLF 6 AWG Copper Bare Single Stranded Conductor .....	898.27	154.12
26 05 26 00-0008 MLF 4 AWG Copper Bare Single Stranded Conductor .....	1,227.64	186.11
26 05 26 00-0009 MLF 2 AWG Copper Bare Single Stranded Conductor .....	1,969.39	186.11
26 05 26 00-0010 MLF 1 AWG Copper Bare Single Stranded Conductor .....	2,289.38	223.91
26 05 26 00-0011 MLF 1/0 AWG Copper Bare Single Stranded Conductor .....	2,688.93	223.91
26 05 26 00-0012 MLF 2/0 AWG Copper Bare Single Stranded Conductor .....	3,803.13	282.07
26 05 26 00-0013 MLF 3/0 AWG Copper Bare Single Stranded Conductor .....	4,706.19	282.07
26 05 26 00-0014 MLF 4/0 AWG Copper Bare Single Stranded Conductor .....	4,970.31	375.12
26 05 26 00-0015 MLF 250 MCM Copper Bare Single Stranded Conductor .....	6,420.92	375.12
26 05 26 00-0016 MLF 300 MCM Copper Bare Single Stranded Conductor .....	6,426.44	433.28
26 05 26 00-0017 MLF 350 MCM Copper Bare Single Stranded Conductor .....	8,721.53	433.28
26 05 26 00-0018 MLF 500 MCM Copper Bare Single Stranded Conductor .....	11,944.84	535.06

**26 05 26 00-0019 Copper Insulated Single Stranded Conductors (26 05 26 00-0002)**

26 05 26 00-0020 MLF 12 AWG Copper Insulated Single Stranded Conductor .....	739.33	174.47
26 05 26 00-0021 MLF 10 AWG Copper Insulated Single Stranded Conductor .....	774.87	174.47
26 05 26 00-0022 MLF 8 AWG Copper Insulated Single Stranded Conductor .....	1,005.46	174.47
26 05 26 00-0023 MLF 6 AWG Copper Insulated Single Stranded Conductor .....	1,129.14	302.43
26 05 26 00-0024 MLF 4 AWG Copper Insulated Single Stranded Conductor .....	1,550.72	302.43
26 05 26 00-0025 MLF 2 AWG Copper Insulated Single Stranded Conductor .....	2,221.69	302.43
26 05 26 00-0026 MLF 1 AWG Copper Insulated Single Stranded Conductor .....	2,702.24	529.24



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0027 MLF 1/0 AWG Copper Insulated Single Stranded Conductor .....	3,313.77	529.24
26 05 26 00-0028 MLF 2/0 AWG Copper Insulated Single Stranded Conductor .....	3,910.17	529.24
26 05 26 00-0029 MLF 3/0 AWG Copper Insulated Single Stranded Conductor .....	4,689.33	529.24
26 05 26 00-0030 MLF 4/0 AWG Copper Insulated Single Stranded Conductor .....	5,558.14	692.09
26 05 26 00-0031 MLF 250 MCM Copper Insulated Single Stranded Conductor .....	6,761.73	692.09
26 05 26 00-0032 MLF 300 MCM Copper Insulated Single Stranded Conductor .....	7,904.98	692.09
26 05 26 00-0033 MLF 350 MCM Copper Insulated Single Stranded Conductor .....	9,188.03	1,075.94
26 05 26 00-0034 MLF 500 MCM Copper Insulated Single Stranded Conductor .....	12,079.11	1,075.94
<b>26 05 26 00-0035 Copper Bare Single Solid Conductors (26 05 26 00-0002)</b>		
26 05 26 00-0036 MLF 12 AWG Copper Bare Single Solid Conductor.....	371.23	127.95
26 05 26 00-0037 MLF 10 AWG Copper Bare Single Solid Conductor.....	502.91	127.95
26 05 26 00-0038 MLF 8 AWG Copper Bare Single Solid Conductor.....	635.13	154.12
26 05 26 00-0039 MLF 6 AWG Copper Bare Single Solid Conductor.....	898.27	154.12
26 05 26 00-0040 MLF 4 AWG Copper Bare Single Solid Conductor.....	1,227.64	186.11
26 05 26 00-0041 MLF 2 AWG Copper Bare Single Solid Conductor.....	1,969.39	186.11
26 05 26 00-0042 MLF 1/0 AWG Copper Bare Single Solid Conductor.....	2,688.93	223.91
26 05 26 00-0043 MLF 4/0 AWG Copper Bare Single Solid Conductor.....	4,970.31	296.61
<b>26 05 26 00-0044 Aluminum Bare Single Stranded Conductors (26 05 26 00-0002)</b>		
26 05 26 00-0045 MLF 8 AWG Aluminum Bare Single Stranded Conductor.....	403.73	154.12
26 05 26 00-0046 MLF 6 AWG Aluminum Bare Single Stranded Conductor.....	445.60	154.12
26 05 26 00-0047 MLF 4 AWG Aluminum Bare Single Stranded Conductor.....	510.67	186.11
26 05 26 00-0048 MLF 2 AWG Aluminum Bare Single Stranded Conductor.....	644.14	186.11
26 05 26 00-0049 MLF 1 AWG Aluminum Bare Single Stranded Conductor.....	749.25	223.91
26 05 26 00-0050 MLF 1/0 AWG Aluminum Bare Single Stranded Conductor.....	858.29	223.91
26 05 26 00-0051 MLF 2/0 AWG Aluminum Bare Single Stranded Conductor.....	981.74	282.07
26 05 26 00-0052 MLF 3/0 AWG Aluminum Bare Single Stranded Conductor.....	1,133.21	282.07
26 05 26 00-0053 MLF 4/0 AWG Aluminum Bare Single Stranded Conductor.....	1,347.31	375.12
26 05 26 00-0054 MLF 250 MCM Aluminum Bare Single Stranded Conductor.....	1,514.84	375.12
26 05 26 00-0055 MLF 300 MCM Aluminum Bare Single Stranded Conductor.....	1,816.01	433.28
26 05 26 00-0056 MLF 350 MCM Aluminum Bare Single Stranded Conductor.....	2,071.40	433.28
26 05 26 00-0057 MLF 500 MCM Aluminum Bare Single Stranded Conductor.....	2,434.60	535.06
<b>26 05 26 00-0058 Aluminum Bare Single Solid Conductors (26 05 26 00-0002)</b>		
26 05 26 00-0059 MLF 8 AWG Aluminum Bare Single Solid Conductor .....	403.73	154.12
26 05 26 00-0060 MLF 6 AWG Aluminum Bare Single Solid Conductor .....	445.60	154.12
26 05 26 00-0061 MLF 4 AWG Aluminum Bare Single Solid Conductor .....	510.67	186.11
26 05 26 00-0062 MLF 2 AWG Aluminum Bare Single Solid Conductor .....	644.14	186.11
26 05 26 00-0063 MLF 1 AWG Aluminum Bare Single Solid Conductor .....	725.78	296.61
26 05 26 00-0064 MLF 1/0 AWG Aluminum Bare Single Solid Conductor .....	858.29	296.61
26 05 26 00-0065 MLF 2/0 AWG Aluminum Bare Single Solid Conductor .....	923.60	282.07
26 05 26 00-0066 MLF 3/0 AWG Aluminum Bare Single Solid Conductor .....	1,016.13	282.07
26 05 26 00-0067 MLF 4/0 AWG Aluminum Bare Single Solid Conductor .....	1,347.31	375.12
26 05 26 00-0068 MLF 250 MCM Aluminum Bare Single Solid Conductor .....	1,514.84	375.12
26 05 26 00-0069 MLF 300 MCM Aluminum Bare Single Solid Conductor .....	1,816.01	433.28
26 05 26 00-0070 MLF 350 MCM Aluminum Bare Single Solid Conductor .....	2,071.40	433.28
26 05 26 00-0071 MLF 500 MCM Aluminum Bare Single Solid Conductor .....	2,434.60	535.06
<b>26 05 26 00-0072 Aluminum Smooth Woven Conductors (26 05 26 00-0002)</b>		
26 05 26 00-0073 LF 10 Strand x 14 AWG Smooth Weave Aluminum Conductor .....	1.73	0.50
26 05 26 00-0074 LF 16 Strand x 14 AWG Smooth Weave Aluminum Conductor .....	1.90	0.56
26 05 26 00-0075 LF 24 Strand x 14 AWG Smooth Weave Aluminum Conductor .....	2.27	0.64
26 05 26 00-0076 LF 26 Strand x 14 AWG Smooth Weave Aluminum Conductor .....	2.27	0.65
26 05 26 00-0077 LF 28 Strand x 14 AWG Smooth Weave Aluminum Conductor .....	2.39	0.68
<b>26 05 26 00-0078 Copper Flexible Braid Connector Jumper Strap (26 05 26 00-0001)</b>		
Note: Manufactured from flat extra flexible tinned braid. Ferrules are tin plated pure electrolytic copper with 2 holes, on each end.		
26 05 26 00-0079 EA 100 Amp, Copper Flexible Braid Jumper Strap, 12" Length .....	94.99	18.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>11.01</i>
26 05 26 00-0080 EA 225 Amp, Copper Flexible Braid Jumper Strap, 12" Length .....	167.93	22.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>13.21</i>
26 05 26 00-0081 EA 225 Amp, Copper Flexible Braid Jumper Strap, 18" Length .....	217.53	22.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>13.21</i>
26 05 26 00-0082 EA 225 Amp, Copper Flexible Braid Jumper Strap, 24" Length .....	266.46	22.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>13.21</i>
26 05 26 00-0083 EA 400 Amp, Copper Flexible Braid Jumper Strap, 12" Length .....	226.95	23.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>16.51</i>
26 05 26 00-0084 EA 400 Amp, Copper Flexible Braid Jumper Strap, 18" Length .....	298.31	23.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>16.51</i>
26 05 26 00-0085 EA 400 Amp, Copper Flexible Braid Jumper Strap, 24" Length .....	360.32	23.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>16.51</i>
26 05 26 00-0086 EA 600 Amp, Copper Flexible Braid Jumper Strap, 12" Length .....	297.72	30.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>18.16</i>

**26 Electrical****26 05 Common Work Results For Electrical****26 05 26 Grounding And Bonding For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0087	EA		800 Amp, Copper Flexible Braid Jumper Strap, 12" Length..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	357.92 22.01	36.69
<b>26 05 26 00-0088</b>			<b>Bonding Jumper For Metallic Conduit</b> <small>(26 05 26 00-0001)</small>		
26 05 26 00-0089	EA		1/2" To 1" Conductor, Bonding Jumper - Metallic Conduit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	120.92 22.93	40.36
26 05 26 00-0090	EA		1-1/4" To 2" Conductor, Bonding Jumper - Metallic Conduit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	149.01 28.22	40.36
26 05 26 00-0091	EA		2-1/2" To 4" Conductor, Bonding Jumper - Metallic Conduit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	223.99 33.35	62.37
26 05 26 00-0092	EA		5" To 6" Conductor, Bonding Jumper - Metallic Conduit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	337.19 40.76	62.37
<b>26 05 26 00-0093</b>			<b>Ground Rods</b> <small>(26 05 26)</small>		
<b>26 05 26 00-0094</b>			<b>Copper-Clad Ground Rods</b> <small>(26 05 26 00-0093)</small>		
26 05 26 00-0095	EA		1/2" Diameter x 8' Long Copper-Clad Ground Rods .....	66.32	55.03
26 05 26 00-0096	EA		5/8" Diameter x 8' Long Copper-Clad Ground Rods .....	69.65	55.03
26 05 26 00-0097	EA		3/4" Diameter x 8' Long Copper-Clad Ground Rods .....	83.09	55.03
26 05 26 00-0098	EA		1/2" Diameter x 10' Long Copper-Clad Ground Rods .....	78.33	55.03
26 05 26 00-0099	EA		5/8" Diameter x 10' Long Copper-Clad Ground Rods .....	82.49	55.03
26 05 26 00-0100	EA		3/4" Diameter x 10' Long Copper-Clad Ground Rods .....	99.29	55.03
<b>26 05 26 00-0101</b>			<b>Copper Grounding Shaft</b> <small>(26 05 26 00-0093)</small>		
26 05 26 00-0102	EA		2-1/8" Diameter x 10' Long Copper Grounding Shaft.....	167.72	55.03
26 05 26 00-0103	EA		2-1/8" Diameter "L" Shaped; 3' Riser x 10' Horizontal Copper Grounding Shaft.....	206.30	55.03
26 05 26 00-0104	EA		2-1/8" Diameter "L" Shaped; 3' Riser x 20' Horizontal Copper Grounding Shaft.....	307.99	55.03
<b>26 05 26 00-0105</b>			<b>Ground Access Wells</b> <small>(26 05 26 00-0093)</small>		
<b>26 05 26 00-0106</b>			<b>Precast Ground Access Wells</b> <small>(26 05 26 00-0105)</small>		
26 05 26 00-0107	EA		8" Diameter x 24" Deep Precast Ground Access Well ..... Note: With cast iron grate.	144.06	
26 05 26 00-0108	EA		10" Diameter x 24" Deep Precast Ground Access Well ..... Note: With cast iron grate.	148.27	
26 05 26 00-0109	EA		12" Diameter x 24" Deep Precast Ground Access Well ..... Note: With cast iron grate.	464.93	
26 05 26 00-0110	EA		18" Diameter x 24" Deep Precast Ground Access Well ..... Note: With cast iron grate.	469.15	
<b>26 05 26 00-0111</b>			<b>Polyvinyl Chloride (PVC) Ground Access Well</b> <small>(26 05 26 00-0105)</small>		
26 05 26 00-0112	EA		10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with cast iron grated cover.	395.68	
26 05 26 00-0113	EA		12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with cast iron grated cover.	469.19	
26 05 26 00-0114	EA		18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with cast iron grated cover.	896.78	
26 05 26 00-0115	EA		10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with flat steel cover.	376.89	
26 05 26 00-0116	EA		12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with flat steel cover.	273.47	
26 05 26 00-0117	EA		18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with flat steel cover.	858.71	
26 05 26 00-0118	EA		8" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well..... Note: Schedule 40 with flat steel cover.	200.16	
26 05 26 00-0119	EA		10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well..... Note: Schedule 40 with flat steel cover.	213.88	
26 05 26 00-0120	EA		12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well..... Note: Schedule 40 with flat steel cover.	226.58	
26 05 26 00-0121	EA		8" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover .....	147.58	
26 05 26 00-0122	EA		10" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover .....	229.03	
26 05 26 00-0123	EA		8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well ..... Note: Schedule 40 with flat steel cover.	422.46	
26 05 26 00-0124	EA		10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with flat steel cover.	570.27	
26 05 26 00-0125	EA		8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with plastic cover.	333.42	
26 05 26 00-0126	EA		10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with plastic cover.	497.49	
26 05 26 00-0127	EA		10" Diameter x 36" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well ..... Note: With cast iron grate, heavy duty.	534.94	
26 05 26 00-0128	EA		10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well ..... Note: With cast iron grate, heavy duty.	651.71	
26 05 26 00-0129	EA		12" Diameter x 12" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well ..... Note: With cast iron grate, heavy duty.	274.66	
26 05 26 00-0130	EA		12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well ..... Note: With cast iron grate, heavy duty.	500.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0131 EA 12" Diameter x 30" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well ..... Note: With cast iron grate, heavy duty.	540.61	
<b>26 05 26 00-0132 Polymer Concrete Ground Access Well</b> (26 05 26 00-0105)		
26 05 26 00-0133 EA 12" x 12" x 12" Polymer Concrete Ground Access Well .....	290.82	
26 05 26 00-0134 EA 12" x 12" x 12" Heavy Duty Polymer Concrete Ground Access Well .....	320.14	
26 05 26 00-0135 EA 12" x 12" x 18" Polymer Concrete Ground Access Well .....	321.19	
26 05 26 00-0136 EA 12" x 12" x 18" Heavy Duty Polymer Concrete Ground Access Well .....	353.49	
26 05 26 00-0137 EA 12" x 12" x 24" Polymer Concrete Ground Access Well .....	352.76	
26 05 26 00-0138 EA 12" x 12" x 24" Heavy Duty Polymer Concrete Ground Access Well .....	388.33	
26 05 26 00-0139 EA 13" x 24" x 18" Polymer Concrete Ground Access Well .....	474.79	
26 05 26 00-0140 EA 13" x 24" x 18" Heavy Duty Polymer Concrete Ground Access Well .....	523.45	
<b>26 05 26 00-0141 High Density Polyethylene (HDPE) Ground Access Well</b> (26 05 26 00-0105)		
26 05 26 00-0142 EA 9" Diameter x 10" Deep High Density Polyethylene (HDPE) Ground Access Well ..... Note: With cover.	99.86	
26 05 26 00-0143 EA 14" Diameter x 18" Deep High Density Polyethylene (HDPE) Ground Access Well ..... Note: With cover.	140.79	
<b>26 05 26 00-0144 Ground Rod Clamps And Fittings</b> (26 05 26)		
<b>26 05 26 00-0145 Bronze Ground Rod Clamp</b> (26 05 26 00-0144)		
26 05 26 00-0146 EA 1/2" Bronze Ground Rod Clamp .....	15.72	8.29
26 05 26 00-0147 EA 5/8" Bronze Ground Rod Clamp .....	16.56	8.29
26 05 26 00-0148 EA 3/4" Bronze Ground Rod Clamp .....	17.75	8.29
<b>26 05 26 00-0149 Bronze Pipe Clamps</b> (26 05 26 00-0144)		
26 05 26 00-0150 EA 1/2" To 1" Bronze Pipe Ground Clamps.....	19.93	13.79
26 05 26 00-0151 EA 1-1/4" To 2" Bronze Ground Clamps For Pipe.....	25.52	16.51
26 05 26 00-0152 EA 2-1/2" To 3" Bronze Ground Clamps For Pipe.....	38.82	19.30
26 05 26 00-0153 EA 2-1/2" To 4" Bronze Ground Clamps For Pipe.....	47.28	24.80
26 05 26 00-0154 EA 4" To 6" Bronze Ground Clamps For Pipe.....	72.73	35.81
<b>26 05 26 00-0155 Grounding Fittings</b> (26 05 26 00-0144)		
<b>26 05 26 00-0156 Embedded Fittings</b> (26 05 26 00-0155)		
26 05 26 00-0157 EA Ground Insert With 2 - 3/8 x 16 Holes #2-250 MCM Cable Range, Embedded.....	106.02	
26 05 26 00-0158 EA Ground Insert With 4 - 3/8 x 16 Holes #2-250 MCM Cable Range, Embedded.....	113.63	
26 05 26 00-0159 EA Ground Insert With 4 - 3/8 x 16 Holes 250-500 MCM Cable Range, Embedded.....	127.11	
26 05 26 00-0160 EA #8 - 1 AWG, Copper To Aluminum, Grounding Wire Splice .....	98.33	
26 05 26 00-0161 EA 1/0 - 3/0 AWG, Copper To Aluminum, Grounding Wire Splice.....	117.78	
26 05 26 00-0162 EA 4/0 - 300 MCM, Copper To Aluminum, Grounding Wire Splice.....	138.32	
26 05 26 00-0163 EA 350 MCM And Up, Copper To Aluminum, Grounding Wire Splice.....	156.30	
<b>26 05 26 00-0164 Ground Rod Receptacle</b> (26 05 26 00-0155)		
26 05 26 00-0165 EA 1/2" Ground Rod Receptacle .....	230.07	76.31
26 05 26 00-0166 EA 5/8" Ground Rod Receptacle.....	241.15	78.46
26 05 26 00-0167 EA 3/4" Ground Rod Receptacle.....	252.44	80.59
<b>26 05 26 00-0168 Ground Kits For Circuit Breaker Panels</b> (26 05 26 00-0155)		
26 05 26 00-0169 EA 14-8 AWG Copper Ground Kit.....	51.02	18.35
26 05 26 00-0170 EA 12-8 AWG Aluminum Ground Kit.....	49.53	18.35
26 05 26 00-0171 EA 14-4 AWG Copper Ground Kit.....	57.41	18.35
26 05 26 00-0172 EA 12-4 AWG Aluminum Ground Kit.....	58.52	18.35
<b>26 05 26 00-0173 Insulated Grounding Bars</b> (26 05 26 00-0144)		
26 05 26 00-0174 EA Insulated Ground Bar 1/2" x 4" x 10" ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	222.56 33.02	18.42
26 05 26 00-0175 EA Insulated Ground Bar SK 9560 1/2" x 4" x 20" ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	234.91 33.02	18.42
<b>26 05 26 00-0176 Ground Conductor Bonding</b> (26 05 26)		
<b>26 05 26 00-0177 Ground Conductor Bonding</b> (26 05 26 00-0176)		
<b>26 05 26 00-0178 Splice, Lug, Ground Rod, Rebar Or Structural Steel Cadweld</b> (26 05 26 00-0177)		
26 05 26 00-0179 EA Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel..... Note: Includes molds, materials and all necessary tools to make connections.	84.50	
26 05 26 00-0180 EA #4 To #1 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel..... Note: Includes molds, materials and all necessary tools to make connections.	91.83	
26 05 26 00-0181 EA 1/0 To 4/0 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel..... Note: Includes molds, materials and all necessary tools to make connections.	99.17	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 26 Grounding And Bonding For Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0182	EA	250 To 1,000 MCM AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel ..... Note: Includes molds, materials and all necessary tools to make connections.	143.19	
<b>26 05 26 00-0183</b>		<b>Tee, Wye Or Cross Cadweld</b> (26 05 26 00-0177)		
26 05 26 00-0184	EA	Up To #6 AWG Cadweld Connection For Tee, Wye Or Cross..... Note: Includes molds, materials and all necessary tools to make connections.	95.50	
26 05 26 00-0185	EA	#4 To #1 AWG Cadweld Connection For Tee, Wye Or Cross ..... Note: Includes molds, materials and all necessary tools to make connections.	110.18	
26 05 26 00-0186	EA	1/0 To 4/0 AWG Cadweld Connection For Tee, Wye Or Cross ..... Note: Includes molds, materials and all necessary tools to make connections.	135.87	
26 05 26 00-0187	EA	250 To 1,000 MCM AWG Cadweld Connection For Tee, Wye Or Cross..... Note: Includes molds, materials and all necessary tools to make connections.	165.21	
<b>26 05 26 00-0188</b>		<b>Grounding Equipment</b> (26 05 26)		
<b>26 05 26 00-0189</b>		<b>Special Grounding Equipment</b> (26 05 26 00-0188)		
<b>26 05 26 00-0190</b>		<b>Ground Reels And Ground Bus</b> (26 05 26 00-0189)		
26 05 26 00-0191	EA	Ground Reel With 50' Of Galvanized Steel Cable.....	550.89	
<b>26 05 26 00-0192</b>		<b>Copper Bars</b> (26 05 26 00-0189)		
26 05 26 00-0193	LF	1/4" x 2" Copper Bar .....	31.32	
<b>26 05 26 00-0194</b>		<b>Phenolic Insulators</b> (26 05 26 00-0189)		
26 05 26 00-0195	EA	2" x 2" x 1" Long Phenolic Insulators ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.41 4.40	
<b>26 05 26 00-0196</b>		<b>Grounding Studs</b> (26 05 26 00-0189)		
26 05 26 00-0197	EA	Ball Grounding Stud..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.40 6.57	
<b>26 05 26 00-0198</b>		<b>Equipment Ground Bar Kits</b> (26 05 26 00-0189)		
26 05 26 00-0199	EA	Switch Rating 30 Ground Bar Kit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.28 4.40	
26 05 26 00-0200	EA	Switch Rating 60 Ground Bar Kit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.29 4.84	
26 05 26 00-0201	EA	Switch Rating 100 Ground Bar Kit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.41 5.51	
26 05 26 00-0202	EA	Switch Rating 200 Ground Bar Kit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.54 6.61	
<b>26 05 26 00-0203</b>		<b>Panelboard Ground Bar Kits</b> (26 05 26 00-0189)		
26 05 26 00-0204	EA	Panelboard Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.05 5.51	5.50
<b>26 05 26 00-0205</b>		<b>Circuit Breaker Ground Bar Kits</b> (26 05 26 00-0189)		
26 05 26 00-0206	EA	3 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.61 3.30	3.30
26 05 26 00-0207	EA	4 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.21 3.30	3.30
26 05 26 00-0208	EA	7 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.87 3.30	3.30
26 05 26 00-0209	EA	12 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.52 3.74	3.74
26 05 26 00-0210	EA	20 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.72 4.19	4.18
26 05 26 00-0211	EA	24 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.37 4.62	4.62
26 05 26 00-0212	EA	30 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.63 5.28	5.28
26 05 26 00-0213	EA	54 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.54 6.16	6.17
26 05 26 00-0214	EA	24 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.72 4.62	4.62
26 05 26 00-0215	EA	30 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.04 5.28	5.28
26 05 26 00-0216	EA	54 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.09 6.16	6.17

**26 05 29 Hangers And Supports For Electrical Systems** (26 05)

26 05 29 00-0001 Metal Framing Channel And Fittings (26 05 29)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0002 Metal Framing Channel <small>(26 05 29 00-0001)</small> Note: Excludes fasteners and accessories.		
26 05 29 00-0003 14 Gauge Metal Framing Channels <small>(26 05 29 00-0002)</small>		
26 05 29 00-0004 14 Gauge, Steel Unistrut Channel <small>(26 05 29 00-0003)</small>		
26 05 29 00-0005 EA Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel .....	13.62	4.02
26 05 29 00-0006 EA >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....	15.85	4.02
26 05 29 00-0007 LF >2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....	7.26	1.51
26 05 29 00-0008 14 Gauge, 304 Stainless Steel Unistrut Channel <small>(26 05 29 00-0003)</small>		
26 05 29 00-0009 EA Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	24.43	4.02
26 05 29 00-0010 EA Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	27.20	4.02
26 05 29 00-0011 EA >1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	37.47	4.02
26 05 29 00-0012 EA >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel .....	42.99	4.02
26 05 29 00-0013 LF >2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel .....	18.07	1.51
26 05 29 00-0014 LF >2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel .....	20.84	1.51
26 05 29 00-0015 14 Gauge, 316 Stainless Steel Unistrut Channel <small>(26 05 29 00-0003)</small>		
26 05 29 00-0016 EA Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel.....	36.36	4.02
26 05 29 00-0017 EA >1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel.....	61.32	4.02
26 05 29 00-0018 LF >2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel .....	30.00	1.51
26 05 29 00-0019 12 Gauge Metal Framing Channels <small>(26 05 29 00-0002)</small>		
26 05 29 00-0020 12 Gauge, Steel Unistrut Channel <small>(26 05 29 00-0019)</small>		
26 05 29 00-0021 EA Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel .....	14.65	4.02
26 05 29 00-0022 EA Up To 1' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel .....	14.31	4.02
26 05 29 00-0023 EA Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel.....	14.08	4.02
26 05 29 00-0024 EA >1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....	17.91	4.02
26 05 29 00-0025 EA >1' To 2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel.....	17.21	4.02
26 05 29 00-0026 EA >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel.....	16.76	4.02
26 05 29 00-0027 LF >2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....	8.29	1.51
26 05 29 00-0028 LF >2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel.....	7.95	1.51
26 05 29 00-0029 LF >2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel.....	7.72	1.51
26 05 29 00-0030 12 Gauge, 304 Stainless Steel Unistrut Channel <small>(26 05 29 00-0019)</small>		
26 05 29 00-0031 EA Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	28.11	4.02
26 05 29 00-0032 EA Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	32.88	4.02
26 05 29 00-0033 EA >1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	44.82	4.02
26 05 29 00-0034 EA >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel .....	54.35	4.02
26 05 29 00-0035 LF >2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel .....	21.75	1.51
26 05 29 00-0036 LF >2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel .....	26.52	1.51
26 05 29 00-0037 Metal Framing Channel Fittings <small>(26 05 29 00-0001)</small>		
26 05 29 00-0038 Unistrut Channel Closure Strips And Caps <small>(26 05 29 00-0037)</small>		
26 05 29 00-0039 Steel Unistrut Channel Closure Strips And Caps <small>(26 05 29 00-0038)</small>		
26 05 29 00-0040 LF Steel Raceway Closure Strip, Unistrut Channel Fittings.....	4.26	0.37
26 05 29 00-0041 EA Steel End Cap, Unistrut Channel Fittings .....	8.74	3.68
26 05 29 00-0042 Stainless Steel Unistrut Channel Closure Strips And Caps <small>(26 05 29 00-0038)</small>		
26 05 29 00-0043 EA Stainless Steel End Cap For Unistrut Channel .....	14.48	3.68
26 05 29 00-0044 Flat Splice Plate, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0045 Steel Flat Splice Plate, Unistrut Channel Fittings <small>(26 05 29 00-0044)</small>		
26 05 29 00-0046 EA 2-Hole, 3-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting.....	4.20	
26 05 29 00-0047 EA 3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting.....	4.17	
26 05 29 00-0048 EA 4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting.....	5.09	
26 05 29 00-0049 Stainless Steel Flat Splice Plate, Unistrut Channel Fittings <small>(26 05 29 00-0044)</small>		
26 05 29 00-0050 EA 2-Hole, 3-1/2" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting .....	13.07	
26 05 29 00-0051 EA 3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting .....	19.54	
26 05 29 00-0052 EA 4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting .....	25.03	
26 05 29 00-0053 90 Degree Angle, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0054 Steel 90 Degree Angle, Unistrut Channel Fittings <small>(26 05 29 00-0053)</small>		
26 05 29 00-0055 EA 2-Hole, 1-7/8" x 2", 90 Degree Angle, Steel, Unistrut Channel Fitting .....	4.07	
26 05 29 00-0056 EA 2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, Steel, Unistrut Channel Fitting .....	3.40	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0057	EA		3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, Steel, Unistrut Channel Fitting .....	5.89	
26 05 29 00-0058	EA		3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, Steel, Unistrut Channel Fitting .....	5.81	
<b>26 05 29 00-0059</b>			<b>Stainless Steel 90 Degree Angle, Unistrut Channel Fittings</b> (26 05 29 00-0053)		
26 05 29 00-0060	EA		2-Hole, 1-7/8" x 2", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting .....	7.39	
26 05 29 00-0061	EA		2-Hole, 1-7/8" x 2", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting .....	9.29	
26 05 29 00-0062	EA		2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting .....	7.84	
26 05 29 00-0063	EA		2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting .....	11.23	
26 05 29 00-0064	EA		3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting .....	10.25	
26 05 29 00-0065	EA		3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting .....	19.10	
26 05 29 00-0066	EA		3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting .....	10.79	
26 05 29 00-0067	EA		3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting .....	15.74	
<b>26 05 29 00-0068</b>			<b>60 Degree Angle, Unistrut Channel Fittings</b> (26 05 29 00-0037)		
<b>26 05 29 00-0069</b>			<b>Steel 60 Degree Angle, Unistrut Channel Fittings</b> (26 05 29 00-0068)		
26 05 29 00-0070	EA		2-Hole, 1-7/8" x 3-3/8", 60 Degree Angle, Steel, Unistrut Channel Fitting .....	8.44	
<b>26 05 29 00-0071</b>			<b>U-Connector, Unistrut Channel Fittings</b> (26 05 29 00-0037)		
<b>26 05 29 00-0072</b>			<b>Steel, U-Connector, Unistrut Channel Fittings</b> (26 05 29 00-0071)		
26 05 29 00-0073	EA		3-Hole, 1-5/8" x 13/16", U-Connector, Steel, Unistrut Channel Fitting .....	2.96	
26 05 29 00-0074	EA		5-Hole, 1-5/8" x 1-5/8", U-Connector, Steel, Unistrut Channel Fitting .....	3.31	
<b>26 05 29 00-0075</b>			<b>Stainless Steel, U-Connector, Unistrut Channel Fittings</b> (26 05 29 00-0071)		
26 05 29 00-0076	EA		5-Hole, 1-5/8" x 1-5/8", U-Connector, 304 Stainless Steel, Unistrut Channel Fitting .....	15.63	
<b>26 05 29 00-0077</b>			<b>Z-Bracket, Unistrut Channel Fittings</b> (26 05 29 00-0037)		
<b>26 05 29 00-0078</b>			<b>Steel Z-Bracket, Unistrut Channel Fittings</b> (26 05 29 00-0077)		
26 05 29 00-0079	EA		3-Hole, Z-Bracket, Steel, Unistrut Channel Fitting .....	8.66	
<b>26 05 29 00-0080</b>			<b>Stainless Steel Z-Bracket, Unistrut Channel Fittings</b> (26 05 29 00-0077)		
26 05 29 00-0081	EA		3-Hole, Z-Bracket, 304 Stainless Steel, Unistrut Channel Fitting .....	30.60	
<b>26 05 29 00-0082</b>			<b>Standard Pipe And Rigid Conduit Clamps For Unistrut Channel</b> (26 05 29 00-0037) Note: Includes hex screw and nut.		
<b>26 05 29 00-0083</b>			<b>Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel</b> (26 05 29 00-0082) Note: Includes hex screw and nut.		
26 05 29 00-0084	EA		1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	3.19	1.10
26 05 29 00-0085	EA		3/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	3.20	1.10
26 05 29 00-0086	EA		1" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	3.28	1.10
26 05 29 00-0087	EA		1-1/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	4.12	1.47
26 05 29 00-0088	EA		1-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	4.52	1.47
26 05 29 00-0089	EA		2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	4.56	1.47
26 05 29 00-0090	EA		2-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	5.59	1.84
26 05 29 00-0091	EA		3" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	5.94	1.84
26 05 29 00-0092	EA		3-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	6.28	1.84
26 05 29 00-0093	EA		4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	6.40	1.84
<b>26 05 29 00-0094</b>			<b>304 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel</b> (26 05 29 00-0082) Note: Includes hex screw and nut.		
26 05 29 00-0095	EA		1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	5.69	1.10
26 05 29 00-0096	EA		3/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	6.41	1.10
26 05 29 00-0097	EA		1" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	7.13	1.10
26 05 29 00-0098	EA		1-1/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	8.81	1.47
26 05 29 00-0099	EA		1-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	10.82	1.47
26 05 29 00-0100	EA		2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	11.35	1.47
26 05 29 00-0101	EA		2-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	13.59	1.84
26 05 29 00-0102	EA		3" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	15.38	1.84
26 05 29 00-0103	EA		3-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	16.15	1.84
26 05 29 00-0104	EA		4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	18.98	1.84
<b>26 05 29 00-0105</b>			<b>316 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel</b> (26 05 29 00-0082) Note: Includes hex screw and nut.		
26 05 29 00-0106	EA		1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	6.13	1.10
26 05 29 00-0107	EA		3/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	7.15	1.10
26 05 29 00-0108	EA		1" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	7.44	1.10



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0109 EA 1-1/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	8.95	1.47
26 05 29 00-0110 EA 1-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	12.47	1.47
26 05 29 00-0111 EA 2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	12.64	1.47
26 05 29 00-0112 EA 2-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	14.95	1.84
26 05 29 00-0113 EA 3" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	15.86	1.84
26 05 29 00-0114 EA 3-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	22.33	1.84
26 05 29 00-0115 EA 4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	26.28	1.84
<b>26 05 29 00-0116 Beam Clamps, Unistrut Channel Fittings</b> (26 05 29 00-0037)		
<b>26 05 29 00-0117 Steel Beam Clamps, Unistrut Channel Fittings</b> (26 05 29 00-0116)		
26 05 29 00-0118 EA Set Screw Beam Clamp, Steel Unistrut Channel Fitting .....	23.71	6.71
26 05 29 00-0119 EA "C" Beam Clamp Use With 1/2" Rod, Steel Unistrut Channel Fittings .....	15.79	6.71
26 05 29 00-0120 EA "U" Bolt Beam Clamp, Steel Unistrut Channel Fitting .....	22.91	6.71
<b>26 05 29 00-0121 304 Stainless Steel Beam Clamps, Unistrut Channel Fittings</b> (26 05 29 00-0116)		
26 05 29 00-0122 EA "U" Bolt Beam Clamp, 304 Stainless Steel Unistrut Channel Fitting.....	34.82	6.71
<b>26 05 29 00-0123 Square Washers For Unistrut Channel</b> (26 05 29 00-0037)		
<b>26 05 29 00-0124 Steel Square Washers For Unistrut Channel</b> (26 05 29 00-0123)		
26 05 29 00-0125 EA 1/2" Bolt Size, Steel, Square Washer For Unistrut Channel .....	2.95	
<b>26 05 29 00-0126 Stainless Steel Square Washers For Unistrut Channel</b> (26 05 29 00-0123)		
26 05 29 00-0127 EA 1/2" Bolt Size, 304 Stainless Steel, Square Washer For Unistrut Channel .....	3.58	
26 05 29 00-0128 EA 1/2" Bolt Size, 316 Stainless Steel, Square Washer For Unistrut Channel .....	4.57	
<b>26 05 29 00-0129 Strut Braces, Unistrut Channel Fittings</b> (26 05 29 00-0037)		
26 05 29 00-0130 EA 16" Diagonal Steel Bar Brace For Unistrut Channel .....	23.83	
<b>26 05 29 00-0131 Trolley Hangers, Unistrut Channel Fittings</b> (26 05 29 00-0037)		
26 05 29 00-0132 EA Steel Trolley Track Hanger For Unistrut Channel .....	29.58	
<b>26 05 29 00-0133 Lock Nuts With Spring For Unistrut Channel</b> (26 05 29 00-0037)		
Note: Includes hex bolt.		
<b>26 05 29 00-0134 Steel Lock Nuts With Spring For Unistrut Channel</b> (26 05 29 00-0133)		
Note: Includes hex bolt.		
26 05 29 00-0135 EA 1/4-20, Steel Lock Nut With Spring For Unistrut Channel .....	5.05	
26 05 29 00-0136 EA 3/8-16, Steel Lock Nut With Spring For Unistrut Channel .....	5.53	
26 05 29 00-0137 EA 1/2-13, Steel Lock Nut With Spring For Unistrut Channel.....	5.89	
26 05 29 00-0138 EA 5/8-11, Steel Lock Nut With Spring For Unistrut Channel.....	7.85	
<b>26 05 29 00-0139 Stainless Steel Lock Nuts With Spring For Unistrut Channel</b> (26 05 29 00-0133)		
Note: Includes hex bolt.		
26 05 29 00-0140 EA 1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel .....	10.15	
26 05 29 00-0141 EA 3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel .....	10.82	
26 05 29 00-0142 EA 1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel .....	15.44	
26 05 29 00-0143 EA 5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel .....	26.64	
<b>26 05 29 00-0144 Lock Nuts Without Spring For Unistrut Channel</b> (26 05 29 00-0037)		
Note: Includes hex bolt.		
<b>26 05 29 00-0145 Steel Lock Nuts Without Spring For Unistrut Channel</b> (26 05 29 00-0144)		
Note: Includes hex bolt.		
26 05 29 00-0146 EA 1/4-20, Steel Lock Nut Without Spring For Unistrut Channel.....	5.06	
26 05 29 00-0147 EA 3/8-16, Steel Lock Nut Without Spring For Unistrut Channel.....	5.60	
26 05 29 00-0148 EA 1/2-13, Steel Lock Nut Without Spring For Unistrut Channel.....	5.92	
26 05 29 00-0149 EA 5/8-11, Steel Lock Nut Without Spring For Unistrut Channel.....	8.41	
<b>26 05 29 00-0150 Stainless Steel Lock Nuts Without Spring For Unistrut Channel</b> (26 05 29 00-0144)		
Note: Includes hex bolt.		
26 05 29 00-0151 EA 1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel .....	7.18	
26 05 29 00-0152 EA 3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel .....	8.72	
26 05 29 00-0153 EA 1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel .....	9.54	
26 05 29 00-0154 EA 5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel .....	25.94	
<b>26 05 29 00-0155 Mounting Assemblies</b> (26 05 29)		
<b>26 05 29 00-0156 Galvanized Steel Mounting Assemblies</b> (26 05 29 00-0155)		



**26 Electrical****26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 05 29 00-0157		<b>Galvanized Steel Back Plate</b> <small>(26 05 29 00-0156)</small>		
26 05 29 00-0158	EA	1/4" x 4' x 4', Galvanized Steel Back Plate, Painted.....	349.66	44.03
26 05 29 00-0159	EA	3/8" x 14" x 16", Galvanized Steel Back Plate, Painted .....	85.06	14.68
26 05 29 00-0160	EA	3/16" x 30" x 48", Galvanized Steel Back Plate, Painted .....	215.55	36.69
26 05 29 00-0161		<b>Aluminum Mounting Assemblies</b> <small>(26 05 29 00-0155)</small>		
26 05 29 00-0162		<b>Aluminum Back Plate</b> <small>(26 05 29 00-0161)</small>		
26 05 29 00-0163	EA	3/16" x 2' x 2' Aluminum Back Plate.....	242.74	55.03
26 05 29 00-0164	EA	3/16" x 4' x 4' Aluminum Back Plate.....	673.38	55.03
26 05 29 00-0165		<b>Supports</b> <small>(26 05 29)</small>		
26 05 29 00-0166		<b>One Hole Steel Conduit Straps</b> <small>(26 05 29 00-0165)</small>		
26 05 29 00-0167	EA	1/2", One Hole Steel Conduit Strap .....	2.71	
		<i>For Work In Restricted Working Space, Add</i>	0.71	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.69	
		<i>For &gt;50 To 100, Deduct</i>	-0.13	
		<i>For &gt;100 To 250, Deduct</i>	-0.25	
		<i>For &gt;250 To 500, Deduct</i>	-0.50	
		<i>For &gt;500, Deduct</i>	-0.74	
26 05 29 00-0168	EA	3/4", One Hole Steel Conduit Strap .....	2.75	
		<i>For Work In Restricted Working Space, Add</i>	0.71	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.69	
		<i>For &gt;50 To 100, Deduct</i>	-0.13	
		<i>For &gt;100 To 250, Deduct</i>	-0.26	
		<i>For &gt;250 To 500, Deduct</i>	-0.50	
		<i>For &gt;500, Deduct</i>	-0.75	
26 05 29 00-0169	EA	1", One Hole Steel Conduit Strap .....	2.97	
		<i>For Work In Restricted Working Space, Add</i>	0.71	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.69	
		<i>For &gt;50 To 100, Deduct</i>	-0.13	
		<i>For &gt;100 To 250, Deduct</i>	-0.27	
		<i>For &gt;250 To 500, Deduct</i>	-0.52	
		<i>For &gt;500, Deduct</i>	-0.77	
26 05 29 00-0170	EA	1-1/4", One Hole Steel Conduit Strap .....	3.13	
		<i>For Work In Restricted Working Space, Add</i>	0.71	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.69	
		<i>For &gt;50 To 100, Deduct</i>	-0.14	
		<i>For &gt;100 To 250, Deduct</i>	-0.27	
		<i>For &gt;250 To 500, Deduct</i>	-0.53	
		<i>For &gt;500, Deduct</i>	-0.78	
26 05 29 00-0171	EA	1-1/2", One Hole Steel Conduit Strap .....	3.23	
		<i>For Work In Restricted Working Space, Add</i>	0.71	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.69	
		<i>For &gt;50 To 100, Deduct</i>	-0.14	
		<i>For &gt;100 To 250, Deduct</i>	-0.28	
		<i>For &gt;250 To 500, Deduct</i>	-0.54	
		<i>For &gt;500, Deduct</i>	-0.79	
26 05 29 00-0172	EA	2", One Hole Steel Conduit Strap .....	3.88	
		<i>For Work In Restricted Working Space, Add</i>	0.71	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.69	
		<i>For &gt;50 To 100, Deduct</i>	-0.16	
		<i>For &gt;100 To 250, Deduct</i>	-0.31	
		<i>For &gt;250 To 500, Deduct</i>	-0.58	
		<i>For &gt;500, Deduct</i>	-0.86	
26 05 29 00-0173	EA	2-1/2", One Hole Steel Conduit Strap .....	4.54	
		<i>For Work In Restricted Working Space, Add</i>	0.71	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.69	
		<i>For &gt;50 To 100, Deduct</i>	-0.17	
		<i>For &gt;100 To 250, Deduct</i>	-0.34	
		<i>For &gt;250 To 500, Deduct</i>	-0.63	
		<i>For &gt;500, Deduct</i>	-0.92	
26 05 29 00-0174	EA	3", One Hole Steel Conduit Strap .....	4.77	
		<i>For Work In Restricted Working Space, Add</i>	0.71	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.69	
		<i>For &gt;50 To 100, Deduct</i>	-0.18	
		<i>For &gt;100 To 250, Deduct</i>	-0.36	
		<i>For &gt;250 To 500, Deduct</i>	-0.65	
		<i>For &gt;500, Deduct</i>	-0.95	
26 05 29 00-0175	EA	3-1/2", One Hole Steel Conduit Strap .....	5.86	
		<i>For Work In Restricted Working Space, Add</i>	0.71	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.69	
		<i>For &gt;50 To 100, Deduct</i>	-0.21	
		<i>For &gt;100 To 250, Deduct</i>	-0.41	
		<i>For &gt;250 To 500, Deduct</i>	-0.73	
		<i>For &gt;500, Deduct</i>	-1.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0176 EA 4", One Hole Steel Conduit Strap .....	6.73	
For Work In Restricted Working Space, Add	0.71	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.69	
For >50 To 100, Deduct	-0.23	
For >100 To 250, Deduct	-0.45	
For >250 To 500, Deduct	-0.80	
For >500, Deduct	-1.14	
<b>26 05 29 00-0177 One Hole Iron Conduit Straps (26 05 29 00-0165)</b>		
26 05 29 00-0178 EA 1/2", One Hole Iron Conduit Strap .....	2.82	
For Work In Restricted Working Space, Add	0.71	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.69	
For >50 To 100, Deduct	-0.13	
For >100 To 250, Deduct	-0.26	
For >250 To 500, Deduct	-0.51	
For >500, Deduct	-0.75	
26 05 29 00-0179 EA 3/4", One Hole Iron Conduit Strap .....	2.92	
For Work In Restricted Working Space, Add	0.71	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.69	
For >50 To 100, Deduct	-0.13	
For >100 To 250, Deduct	-0.26	
For >250 To 500, Deduct	-0.51	
For >500, Deduct	-0.76	
26 05 29 00-0180 EA 1", One Hole Iron Conduit Strap .....	3.11	
For Work In Restricted Working Space, Add	0.71	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.69	
For >50 To 100, Deduct	-0.14	
For >100 To 250, Deduct	-0.27	
For >250 To 500, Deduct	-0.53	
For >500, Deduct	-0.78	
26 05 29 00-0181 EA 1-1/4", One Hole Iron Conduit Strap .....	3.56	
For Work In Restricted Working Space, Add	0.71	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.69	
For >50 To 100, Deduct	-0.15	
For >100 To 250, Deduct	-0.30	
For >250 To 500, Deduct	-0.56	
For >500, Deduct	-0.83	
26 05 29 00-0182 EA 1-1/2", One Hole Iron Conduit Strap .....	3.74	
For Work In Restricted Working Space, Add	0.71	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.69	
For >50 To 100, Deduct	-0.15	
For >100 To 250, Deduct	-0.30	
For >250 To 500, Deduct	-0.57	
For >500, Deduct	-0.84	
26 05 29 00-0183 EA 2", One Hole Iron Conduit Strap .....	4.89	
For Work In Restricted Working Space, Add	0.71	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.69	
For >50 To 100, Deduct	-0.18	
For >100 To 250, Deduct	-0.36	
For >250 To 500, Deduct	-0.66	
For >500, Deduct	-0.96	
26 05 29 00-0184 EA 2-1/2", One Hole Iron Conduit Strap .....	7.36	
For Work In Restricted Working Space, Add	0.71	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.69	
For >50 To 100, Deduct	-0.24	
For >100 To 250, Deduct	-0.49	
For >250 To 500, Deduct	-0.85	
For >500, Deduct	-1.21	
26 05 29 00-0185 EA 3", One Hole Iron Conduit Strap .....	9.42	
For Work In Restricted Working Space, Add	0.71	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.69	
For >50 To 100, Deduct	-0.29	
For >100 To 250, Deduct	-0.59	
For >250 To 500, Deduct	-1.00	
For >500, Deduct	-1.41	
26 05 29 00-0186 EA 3-1/2", One Hole Iron Conduit Strap .....	12.43	
For Work In Restricted Working Space, Add	0.71	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.69	
For >50 To 100, Deduct	-0.37	
For >100 To 250, Deduct	-0.74	
For >250 To 500, Deduct	-1.23	
For >500, Deduct	-1.71	
26 05 29 00-0187 EA 4", One Hole Iron Conduit Strap .....	24.47	
For Work In Restricted Working Space, Add	0.71	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.69	
For >50 To 100, Deduct	-0.67	
For >100 To 250, Deduct	-1.34	
For >250 To 500, Deduct	-2.13	
For >500, Deduct	-2.92	
26 05 29 00-0188 EA 5", One Hole Iron Conduit Strap .....	30.95	
For Work In Restricted Working Space, Add	0.71	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.69	
For >50 To 100, Deduct	-0.83	
For >100 To 250, Deduct	-1.67	
For >250 To 500, Deduct	-2.62	
For >500, Deduct	-3.57	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0189			<b>Two Hole Steel Conduit Straps</b> <small>(26 05 29 00-0165)</small>		
26 05 29 00-0190	EA		1/2", Two Hole Steel Conduit Strap ..... 3.10		
			<i>For Work In Restricted Working Space, Add</i>	0.79	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.86	
			<i>For &gt;50 To 100, Deduct</i>	-0.14	
			<i>For &gt;100 To 250, Deduct</i>	-0.29	
			<i>For &gt;250 To 500, Deduct</i>	-0.56	
			<i>For &gt;500, Deduct</i>	-0.84	
26 05 29 00-0191	EA		3/4", Two Hole Steel Conduit Strap ..... 3.18		
			<i>For Work In Restricted Working Space, Add</i>	0.79	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.86	
			<i>For &gt;50 To 100, Deduct</i>	-0.15	
			<i>For &gt;100 To 250, Deduct</i>	-0.29	
			<i>For &gt;250 To 500, Deduct</i>	-0.57	
			<i>For &gt;500, Deduct</i>	-0.85	
26 05 29 00-0192	EA		1", Two Hole Steel Conduit Strap ..... 3.21		
			<i>For Work In Restricted Working Space, Add</i>	0.79	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.86	
			<i>For &gt;50 To 100, Deduct</i>	-0.15	
			<i>For &gt;100 To 250, Deduct</i>	-0.29	
			<i>For &gt;250 To 500, Deduct</i>	-0.57	
			<i>For &gt;500, Deduct</i>	-0.85	
26 05 29 00-0193	EA		1-1/4", Two Hole Steel Conduit Strap ..... 3.26		
			<i>For Work In Restricted Working Space, Add</i>	0.79	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.86	
			<i>For &gt;50 To 100, Deduct</i>	-0.15	
			<i>For &gt;100 To 250, Deduct</i>	-0.30	
			<i>For &gt;250 To 500, Deduct</i>	-0.57	
			<i>For &gt;500, Deduct</i>	-0.85	
26 05 29 00-0194	EA		1-1/2", Two Hole Steel Conduit Strap ..... 3.30		
			<i>For Work In Restricted Working Space, Add</i>	0.79	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.86	
			<i>For &gt;50 To 100, Deduct</i>	-0.15	
			<i>For &gt;100 To 250, Deduct</i>	-0.30	
			<i>For &gt;250 To 500, Deduct</i>	-0.58	
			<i>For &gt;500, Deduct</i>	-0.86	
26 05 29 00-0195	EA		2", Two Hole Steel Conduit Strap ..... 3.39		
			<i>For Work In Restricted Working Space, Add</i>	0.79	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.86	
			<i>For &gt;50 To 100, Deduct</i>	-0.15	
			<i>For &gt;100 To 250, Deduct</i>	-0.30	
			<i>For &gt;250 To 500, Deduct</i>	-0.58	
			<i>For &gt;500, Deduct</i>	-0.87	
26 05 29 00-0196	EA		2-1/2", Two Hole Steel Conduit Strap ..... 3.88		
			<i>For Work In Restricted Working Space, Add</i>	0.79	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.86	
			<i>For &gt;50 To 100, Deduct</i>	-0.16	
			<i>For &gt;100 To 250, Deduct</i>	-0.33	
			<i>For &gt;250 To 500, Deduct</i>	-0.62	
			<i>For &gt;500, Deduct</i>	-0.92	
26 05 29 00-0197	EA		3", Two Hole Steel Conduit Strap ..... 3.99		
			<i>For Work In Restricted Working Space, Add</i>	0.79	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.86	
			<i>For &gt;50 To 100, Deduct</i>	-0.17	
			<i>For &gt;100 To 250, Deduct</i>	-0.33	
			<i>For &gt;250 To 500, Deduct</i>	-0.63	
			<i>For &gt;500, Deduct</i>	-0.93	
26 05 29 00-0198	EA		3-1/2", Two Hole Steel Conduit Strap ..... 4.38		
			<i>For Work In Restricted Working Space, Add</i>	0.79	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.86	
			<i>For &gt;50 To 100, Deduct</i>	-0.18	
			<i>For &gt;100 To 250, Deduct</i>	-0.35	
			<i>For &gt;250 To 500, Deduct</i>	-0.66	
			<i>For &gt;500, Deduct</i>	-0.97	
26 05 29 00-0199	EA		4", Two Hole Steel Conduit Strap ..... 4.65		
			<i>For Work In Restricted Working Space, Add</i>	0.79	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.86	
			<i>For &gt;50 To 100, Deduct</i>	-0.18	
			<i>For &gt;100 To 250, Deduct</i>	-0.36	
			<i>For &gt;250 To 500, Deduct</i>	-0.68	
			<i>For &gt;500, Deduct</i>	-0.99	
26 05 29 00-0200	EA		5", Two Hole Steel Conduit Strap ..... 5.00		
			<i>For Work In Restricted Working Space, Add</i>	0.79	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.86	
			<i>For &gt;50 To 100, Deduct</i>	-0.19	
			<i>For &gt;100 To 250, Deduct</i>	-0.38	
			<i>For &gt;250 To 500, Deduct</i>	-0.71	
			<i>For &gt;500, Deduct</i>	-1.03	
26 05 29 00-0201			<b>Clamp Back Spacers</b> <small>(26 05 29 00-0165)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0202 EA 1/2" Conduit, Clamp Back Spacer.....	2.46	
For Work In Restricted Working Space, Add	0.55	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.56	
For >50 To 100, Deduct	-0.11	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.41	
For >500, Deduct	-0.61	
26 05 29 00-0203 EA 3/4" Conduit, Clamp Back Spacer.....	2.67	
For Work In Restricted Working Space, Add	0.55	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.56	
For >50 To 100, Deduct	-0.11	
For >100 To 250, Deduct	-0.23	
For >250 To 500, Deduct	-0.43	
For >500, Deduct	-0.63	
26 05 29 00-0204 EA 1" Conduit, Clamp Back Spacer.....	2.87	
For Work In Restricted Working Space, Add	0.55	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.56	
For >50 To 100, Deduct	-0.12	
For >100 To 250, Deduct	-0.24	
For >250 To 500, Deduct	-0.44	
For >500, Deduct	-0.65	
26 05 29 00-0205 EA 1-1/4" Conduit, Clamp Back Spacer .....	3.64	
For Work In Restricted Working Space, Add	0.55	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.56	
For >50 To 100, Deduct	-0.14	
For >100 To 250, Deduct	-0.27	
For >250 To 500, Deduct	-0.50	
For >500, Deduct	-0.73	
26 05 29 00-0206 EA 1-1/2" Conduit, Clamp Back Spacer .....	4.26	
For Work In Restricted Working Space, Add	0.55	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.56	
For >50 To 100, Deduct	-0.15	
For >100 To 250, Deduct	-0.30	
For >250 To 500, Deduct	-0.55	
For >500, Deduct	-0.79	
26 05 29 00-0207 EA 2" Conduit, Clamp Back Spacer.....	4.91	
For Work In Restricted Working Space, Add	0.55	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.56	
For >50 To 100, Deduct	-0.17	
For >100 To 250, Deduct	-0.34	
For >250 To 500, Deduct	-0.60	
For >500, Deduct	-0.86	
26 05 29 00-0208 EA 2-1/2" Conduit, Clamp Back Spacer .....	7.56	
For Work In Restricted Working Space, Add	0.55	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.56	
For >50 To 100, Deduct	-0.23	
For >100 To 250, Deduct	-0.47	
For >250 To 500, Deduct	-0.80	
For >500, Deduct	-1.12	
26 05 29 00-0209 EA 3" Conduit, Clamp Back Spacer.....	10.72	
For Work In Restricted Working Space, Add	0.55	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.56	
For >50 To 100, Deduct	-0.31	
For >100 To 250, Deduct	-0.63	
For >250 To 500, Deduct	-1.03	
For >500, Deduct	-1.44	
26 05 29 00-0210 EA 3-1/2" Conduit, Clamp Back Spacer .....	13.79	
For Work In Restricted Working Space, Add	0.55	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.56	
For >50 To 100, Deduct	-0.39	
For >100 To 250, Deduct	-0.78	
For >250 To 500, Deduct	-1.26	
For >500, Deduct	-1.75	
26 05 29 00-0211 EA 4" Conduit, Clamp Back Spacer.....	28.20	
For Work In Restricted Working Space, Add	0.55	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.56	
For >50 To 100, Deduct	-0.75	
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-2.34	
For >500, Deduct	-3.19	
26 05 29 00-0212 EA 5" Conduit, Clamp Back Spacer.....	52.54	
For Work In Restricted Working Space, Add	0.55	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.56	
For >50 To 100, Deduct	-1.36	
For >100 To 250, Deduct	-2.72	
For >250 To 500, Deduct	-4.17	
For >500, Deduct	-5.62	
<b>26 05 29 00-0213 Conduit Clips</b> <small>(26 05 29 00-0165)</small>		
Note: Push in or clip.		
26 05 29 00-0214 EA 1/2" Conduit Clip.....	3.00	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.69	
For >50 To 100, Deduct	-0.13	
For >100 To 250, Deduct	-0.27	
For >250 To 500, Deduct	-0.52	
For >500, Deduct	-0.77	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0215	EA		3/4" Conduit Clip.....	3.00	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.69	
			<i>For &gt;50 To 100, Deduct</i>	-0.13	
			<i>For &gt;100 To 250, Deduct</i>	-0.27	
			<i>For &gt;250 To 500, Deduct</i>	-0.52	
			<i>For &gt;500, Deduct</i>	-0.77	
26 05 29 00-0216	EA		1" Conduit Clip.....	2.95	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.69	
			<i>For &gt;50 To 100, Deduct</i>	-0.13	
			<i>For &gt;100 To 250, Deduct</i>	-0.27	
			<i>For &gt;250 To 500, Deduct</i>	-0.52	
			<i>For &gt;500, Deduct</i>	-0.77	
26 05 29 00-0217	EA		1-1/4" Conduit Clip.....	3.08	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.69	
			<i>For &gt;50 To 100, Deduct</i>	-0.14	
			<i>For &gt;100 To 250, Deduct</i>	-0.27	
			<i>For &gt;250 To 500, Deduct</i>	-0.52	
			<i>For &gt;500, Deduct</i>	-0.78	
<b>26 05 29 00-0218</b>			<b>Bolt And Nut Conduit Clips</b> <small>(26 05 29 00-0165)</small>		
26 05 29 00-0219	EA		3/4" Bolt And Nut Conduit Clip (Minerallac 1B).....	3.73	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.84	
			<i>For &gt;50 To 100, Deduct</i>	-0.17	
			<i>For &gt;100 To 250, Deduct</i>	-0.33	
			<i>For &gt;250 To 500, Deduct</i>	-0.65	
			<i>For &gt;500, Deduct</i>	-0.96	
26 05 29 00-0220	EA		1" Bolt And Nut Conduit Clip (Minerallac 2B).....	3.86	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.84	
			<i>For &gt;50 To 100, Deduct</i>	-0.17	
			<i>For &gt;100 To 250, Deduct</i>	-0.34	
			<i>For &gt;250 To 500, Deduct</i>	-0.66	
			<i>For &gt;500, Deduct</i>	-0.97	
26 05 29 00-0221	EA		1-1/4" Bolt And Nut Conduit Clip (Minerallac 2-1/2B).....	4.11	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.88	
			<i>For &gt;50 To 100, Deduct</i>	-0.18	
			<i>For &gt;100 To 250, Deduct</i>	-0.36	
			<i>For &gt;250 To 500, Deduct</i>	-0.70	
			<i>For &gt;500, Deduct</i>	-1.04	
26 05 29 00-0222	EA		1-1/2" Bolt And Nut Conduit Clip (Minerallac 3B).....	4.18	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.88	
			<i>For &gt;50 To 100, Deduct</i>	-0.18	
			<i>For &gt;100 To 250, Deduct</i>	-0.37	
			<i>For &gt;250 To 500, Deduct</i>	-0.70	
			<i>For &gt;500, Deduct</i>	-1.04	
26 05 29 00-0223	EA		2" Bolt And Nut Conduit Clip (Minerallac 5B).....	4.66	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.88	
			<i>For &gt;50 To 100, Deduct</i>	-0.19	
			<i>For &gt;100 To 250, Deduct</i>	-0.39	
			<i>For &gt;250 To 500, Deduct</i>	-0.74	
			<i>For &gt;500, Deduct</i>	-1.09	
26 05 29 00-0224	EA		2-1/2" Bolt And Nut Conduit Clip (Minerallac 6B).....	5.05	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.93	
			<i>For &gt;50 To 100, Deduct</i>	-0.21	
			<i>For &gt;100 To 250, Deduct</i>	-0.42	
			<i>For &gt;250 To 500, Deduct</i>	-0.79	
			<i>For &gt;500, Deduct</i>	-1.17	
26 05 29 00-0225	EA		3" Bolt And Nut Conduit Clip (Minerallac 7B).....	5.47	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.93	
			<i>For &gt;50 To 100, Deduct</i>	-0.22	
			<i>For &gt;100 To 250, Deduct</i>	-0.44	
			<i>For &gt;250 To 500, Deduct</i>	-0.82	
			<i>For &gt;500, Deduct</i>	-1.21	
26 05 29 00-0226	EA		4" Bolt And Nut Conduit Clip (Minerallac 9B).....	9.87	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.02	
			<i>For &gt;50 To 100, Deduct</i>	-0.34	
			<i>For &gt;100 To 250, Deduct</i>	-0.68	
			<i>For &gt;250 To 500, Deduct</i>	-1.20	
			<i>For &gt;500, Deduct</i>	-1.72	
<b>26 05 29 00-0227</b>			<b>Conduit Hanger From Flange, Wire Or Rod</b> <small>(26 05 29 00-0165)</small>		
			Note: Bat wing.		
26 05 29 00-0228	EA		1/2", Conduit Hanger From Flange, Wire Or Rod.....	2.17	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.54	
			<i>For &gt;50 To 100, Deduct</i>	-0.10	
			<i>For &gt;100 To 250, Deduct</i>	-0.20	
			<i>For &gt;250 To 500, Deduct</i>	-0.38	
			<i>For &gt;500, Deduct</i>	-0.57	
26 05 29 00-0229	EA		3/4", Conduit Hanger From Flange, Wire Or Rod.....	2.20	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.54	
			<i>For &gt;50 To 100, Deduct</i>	-0.10	
			<i>For &gt;100 To 250, Deduct</i>	-0.20	
			<i>For &gt;250 To 500, Deduct</i>	-0.39	
			<i>For &gt;500, Deduct</i>	-0.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0230 EA 1", Conduit Hanger From Flange, Wire Or Rod ..... <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	2.30 0.54 -0.10 -0.20 -0.39 -0.58	
26 05 29 00-0231 EA 1-1/4", Conduit Hanger From Flange, Wire Or Rod ..... <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	2.54 0.54 -0.11 -0.22 -0.41 -0.61	
<b>26 05 29 00-0232 Beam Flange Clamps</b> <small>(26 05 29 00-0165)</small> Note: For threaded rod, nut not required.		
26 05 29 00-0233 EA 1/8" To 1/4" Flange Thickness, Beam Clamp (Caddy 6TA24) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	3.18 -0.13 -0.25 -0.47 -0.68	
26 05 29 00-0234 EA 5/16" To 1/2" Flange Thickness, Beam Clamp (Caddy 6TA58) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	3.12 -0.12 -0.25 -0.46 -0.68	
26 05 29 00-0235 EA 9/16" To 3/4" Flange Thickness, Beam Clamp (Caddy 6TA912) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	3.49 -0.13 -0.27 -0.49 -0.72	
<b>26 05 29 00-0236 T-Bar Support Clips</b> <small>(26 05 29 00-0165)</small>		
26 05 29 00-0237 EA 9/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS95)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	5.31 -0.22 -0.45 -0.86 -1.27	
26 05 29 00-0238 EA 15/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	5.02 -0.22 -0.43 -0.84 -1.24	
26 05 29 00-0239 EA 15/16 Grid Size, Twist On T-Bar Support Clip (Caddy 4G16)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	1.91 -0.07 -0.14 -0.26 -0.37	
26 05 29 00-0240 EA 24" Long Snap On T-Bar Electrical Box Hanger (Caddy 512) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	15.91 -0.43 -0.87 -1.38 -1.88	
<b>26 05 29 00-0241 Switch And Outlet Box Type Supports</b> <small>(26 05 29 00-0165)</small>		
26 05 29 00-0242 EA 1/4" To 3/4" Drywall Thickness, Adjustable Switch And Outlet Box Support (Caddy MFS) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	3.93 -0.13 -0.27 -0.48 -0.69	
26 05 29 00-0243 EA 1/2" Drywall Thickness, Riveted Switch And Outlet Box Support (Caddy MF500)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	3.32 -0.12 -0.24 -0.43 -0.62	
26 05 29 00-0244 EA Flush, Riveted Switch And Outlet Box Support (Caddy MFO) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	3.84 -0.13 -0.27 -0.47 -0.68	
26 05 29 00-0245 EA Snap On, Switch And Outlet Box Support (Caddy MSF) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	2.45 -0.10 -0.20 -0.37 -0.54	
26 05 29 00-0246 EA 1/4-20 Thread Impression, Switch And Outlet Box Support (Caddy MFI) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	2.56 -0.10 -0.20 -0.37 -0.55	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0247			<b>Lighting Fixture Hanger</b> <small>(26 05 29 00-0165)</small>		
			Note: For existing or owner furnished fixtures.		
26 05 29 00-0248	EA		Lay-In/Troffer, Straight Lip Type Fixture Support Clip (Caddy 515) .....	3.53	
			For >50 To 100, Deduct	-0.16	
			For >100 To 250, Deduct	-0.32	
			For >250 To 500, Deduct	-0.63	
			For >500, Deduct	-0.94	
26 05 29 00-0249	PR		Support Bars For Recessed "High Hat" Light Fixtures (Caddy 517) .....	12.55	
			For >50 To 100, Deduct	-0.39	
			For >100 To 250, Deduct	-0.77	
			For >250 To 500, Deduct	-1.31	
			For >500, Deduct	-1.84	
26 05 29 00-0250	PR		Support Bars For Recessed "Lightolier" Light Fixtures (Caddy 520).....	17.29	
			For >50 To 100, Deduct	-0.51	
			For >100 To 250, Deduct	-1.01	
			For >250 To 500, Deduct	-1.66	
			For >500, Deduct	-2.32	
26 05 29 00-0251			<b>Rigid Steel Conduit Clamps For Unistrut Channel</b> <small>(26 05 29 00-0165)</small>		
26 05 29 00-0252	EA		1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel .....	3.19	
			For >50 To 100, Deduct	-0.14	
			For >100 To 250, Deduct	-0.27	
			For >250 To 500, Deduct	-0.52	
			For >500, Deduct	-0.76	
			For Work In Restricted Working Space, Add	0.66	
26 05 29 00-0253	EA		3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel .....	3.20	
			For >50 To 100, Deduct	-0.14	
			For >100 To 250, Deduct	-0.27	
			For >250 To 500, Deduct	-0.52	
			For >500, Deduct	-0.76	
			For Work In Restricted Working Space, Add	0.66	
26 05 29 00-0254	EA		1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel .....	3.28	
			For >50 To 100, Deduct	-0.14	
			For >100 To 250, Deduct	-0.27	
			For >250 To 500, Deduct	-0.52	
			For >500, Deduct	-0.77	
			For Work In Restricted Working Space, Add	0.66	
26 05 29 00-0255	EA		1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	4.12	
			For >50 To 100, Deduct	-0.18	
			For >100 To 250, Deduct	-0.35	
			For >250 To 500, Deduct	-0.68	
			For >500, Deduct	-1.00	
			For Work In Restricted Working Space, Add	0.88	
26 05 29 00-0256	EA		1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	4.52	
			For >50 To 100, Deduct	-0.19	
			For >100 To 250, Deduct	-0.37	
			For >250 To 500, Deduct	-0.71	
			For >500, Deduct	-1.04	
			For Work In Restricted Working Space, Add	0.88	
26 05 29 00-0257	EA		2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel .....	4.56	
			For >50 To 100, Deduct	-0.19	
			For >100 To 250, Deduct	-0.38	
			For >250 To 500, Deduct	-0.71	
			For >500, Deduct	-1.04	
			For Work In Restricted Working Space, Add	0.88	
26 05 29 00-0258	EA		2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	5.58	
			For >50 To 100, Deduct	-0.23	
			For >100 To 250, Deduct	-0.46	
			For >250 To 500, Deduct	-0.88	
			For >500, Deduct	-1.29	
			For Work In Restricted Working Space, Add	1.10	
26 05 29 00-0259	EA		3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel .....	5.93	
			For >50 To 100, Deduct	-0.24	
			For >100 To 250, Deduct	-0.48	
			For >250 To 500, Deduct	-0.90	
			For >500, Deduct	-1.33	
			For Work In Restricted Working Space, Add	1.10	
26 05 29 00-0260	EA		3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	6.27	
			For >50 To 100, Deduct	-0.25	
			For >100 To 250, Deduct	-0.50	
			For >250 To 500, Deduct	-0.93	
			For >500, Deduct	-1.36	
			For Work In Restricted Working Space, Add	1.10	
26 05 29 00-0261	EA		4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel .....	6.39	
			For >50 To 100, Deduct	-0.25	
			For >100 To 250, Deduct	-0.50	
			For >250 To 500, Deduct	-0.94	
			For >500, Deduct	-1.37	
			For Work In Restricted Working Space, Add	1.10	
26 05 29 00-0262			<b>Electrical Metallic Tubing (EMT) Conduit Clamps For Unistrut Channel</b> <small>(26 05 29 00-0165)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0263 EA 1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	3.45	
<i>For &gt;50 To 100, Deduct</i>	-0.14	
<i>For &gt;100 To 250, Deduct</i>	-0.28	
<i>For &gt;250 To 500, Deduct</i>	-0.54	
<i>For &gt;500, Deduct</i>	-0.79	
<i>For Work In Restricted Working Space, Add</i>	0.66	
26 05 29 00-0264 EA 3/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	3.42	
<i>For &gt;50 To 100, Deduct</i>	-0.14	
<i>For &gt;100 To 250, Deduct</i>	-0.28	
<i>For &gt;250 To 500, Deduct</i>	-0.53	
<i>For &gt;500, Deduct</i>	-0.78	
<i>For Work In Restricted Working Space, Add</i>	0.66	
26 05 29 00-0265 EA 1" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	3.38	
<i>For &gt;50 To 100, Deduct</i>	-0.14	
<i>For &gt;100 To 250, Deduct</i>	-0.28	
<i>For &gt;250 To 500, Deduct</i>	-0.53	
<i>For &gt;500, Deduct</i>	-0.78	
<i>For Work In Restricted Working Space, Add</i>	0.66	
26 05 29 00-0266 EA 1-1/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	4.44	
<i>For &gt;50 To 100, Deduct</i>	-0.18	
<i>For &gt;100 To 250, Deduct</i>	-0.37	
<i>For &gt;250 To 500, Deduct</i>	-0.70	
<i>For &gt;500, Deduct</i>	-1.03	
<i>For Work In Restricted Working Space, Add</i>	0.88	
26 05 29 00-0267 EA 1-1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	5.13	
<i>For &gt;50 To 100, Deduct</i>	-0.20	
<i>For &gt;100 To 250, Deduct</i>	-0.40	
<i>For &gt;250 To 500, Deduct</i>	-0.75	
<i>For &gt;500, Deduct</i>	-1.10	
<i>For Work In Restricted Working Space, Add</i>	0.88	
26 05 29 00-0268 EA 2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	5.17	
<i>For &gt;50 To 100, Deduct</i>	-0.20	
<i>For &gt;100 To 250, Deduct</i>	-0.41	
<i>For &gt;250 To 500, Deduct</i>	-0.76	
<i>For &gt;500, Deduct</i>	-1.11	
<i>For Work In Restricted Working Space, Add</i>	0.88	
<b>26 05 29 00-0269 "J" Type Conduit Hangers <small>(26 05 29 00-0165)</small></b>		
26 05 29 00-0270 EA 1/2", "J" Type Conduit Hanger (Unistrut J1205).....	15.08	
<i>For &gt;50 To 100, Deduct</i>	-0.51	
<i>For &gt;100 To 250, Deduct</i>	-1.01	
<i>For &gt;250 To 500, Deduct</i>	-1.77	
<i>For &gt;500, Deduct</i>	-2.53	
<i>For Work In Restricted Working Space, Add</i>	1.54	
26 05 29 00-0271 EA 3/4", "J" Type Conduit Hanger (Unistrut J1207).....	15.25	
<i>For &gt;50 To 100, Deduct</i>	-0.51	
<i>For &gt;100 To 250, Deduct</i>	-1.02	
<i>For &gt;250 To 500, Deduct</i>	-1.79	
<i>For &gt;500, Deduct</i>	-2.55	
<i>For Work In Restricted Working Space, Add</i>	1.54	
26 05 29 00-0272 EA 1", "J" Type Conduit Hanger (Unistrut J1210).....	16.15	
<i>For &gt;50 To 100, Deduct</i>	-0.55	
<i>For &gt;100 To 250, Deduct</i>	-1.10	
<i>For &gt;250 To 500, Deduct</i>	-1.95	
<i>For &gt;500, Deduct</i>	-2.79	
<i>For Work In Restricted Working Space, Add</i>	1.76	
26 05 29 00-0273 EA 1-1/4", "J" Type Conduit Hanger (Unistrut J1212).....	16.34	
<i>For &gt;50 To 100, Deduct</i>	-0.56	
<i>For &gt;100 To 250, Deduct</i>	-1.11	
<i>For &gt;250 To 500, Deduct</i>	-1.96	
<i>For &gt;500, Deduct</i>	-2.81	
<i>For Work In Restricted Working Space, Add</i>	1.76	
26 05 29 00-0274 EA 1-1/2", "J" Type Conduit Hanger (Unistrut J1215).....	17.20	
<i>For &gt;50 To 100, Deduct</i>	-0.60	
<i>For &gt;100 To 250, Deduct</i>	-1.19	
<i>For &gt;250 To 500, Deduct</i>	-2.12	
<i>For &gt;500, Deduct</i>	-3.04	
<i>For Work In Restricted Working Space, Add</i>	1.98	
26 05 29 00-0275 EA 2", "J" Type Conduit Hanger (Unistrut J1220).....	17.91	
<i>For &gt;50 To 100, Deduct</i>	-0.61	
<i>For &gt;100 To 250, Deduct</i>	-1.23	
<i>For &gt;250 To 500, Deduct</i>	-2.17	
<i>For &gt;500, Deduct</i>	-3.11	
<i>For Work In Restricted Working Space, Add</i>	1.98	
26 05 29 00-0276 EA 2-1/2", "J" Type Conduit Hanger (Unistrut J1225).....	28.74	
<i>For &gt;50 To 100, Deduct</i>	-0.90	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-3.07	
<i>For &gt;500, Deduct</i>	-4.34	
<i>For Work In Restricted Working Space, Add</i>	2.20	



**26 Electrical****26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0277	EA	3"	"J" Type Conduit Hanger (Unistrut J1230).....	30.54	
			<i>For &gt;50 To 100, Deduct</i>	-0.97	
			<i>For &gt;100 To 250, Deduct</i>	-1.93	
			<i>For &gt;250 To 500, Deduct</i>	-3.30	
			<i>For &gt;500, Deduct</i>	-4.67	
			<i>For Work In Restricted Working Space, Add</i>	2.42	
26 05 29 00-0278	EA	3-1/2"	"J" Type Conduit Hanger (Unistrut J1235).....	32.87	
			<i>For &gt;50 To 100, Deduct</i>	-1.04	
			<i>For &gt;100 To 250, Deduct</i>	-2.08	
			<i>For &gt;250 To 500, Deduct</i>	-3.57	
			<i>For &gt;500, Deduct</i>	-5.05	
			<i>For Work In Restricted Working Space, Add</i>	2.64	
26 05 29 00-0279	EA	4"	"J" Type Conduit Hanger (Unistrut J1240).....	43.82	
			<i>For &gt;50 To 100, Deduct</i>	-1.32	
			<i>For &gt;100 To 250, Deduct</i>	-2.63	
			<i>For &gt;250 To 500, Deduct</i>	-4.39	
			<i>For &gt;500, Deduct</i>	-6.14	
			<i>For Work In Restricted Working Space, Add</i>	2.64	
26 05 29 00-0280	EA	5"	"J" Type Conduit Hanger (Unistrut J1250).....	48.16	
			<i>For &gt;50 To 100, Deduct</i>	-1.44	
			<i>For &gt;100 To 250, Deduct</i>	-2.89	
			<i>For &gt;250 To 500, Deduct</i>	-4.80	
			<i>For &gt;500, Deduct</i>	-6.72	
			<i>For Work In Restricted Working Space, Add</i>	2.86	
26 05 29 00-0281	EA	6"	"J" Type Conduit Hanger (Unistrut J1260).....	67.99	
			<i>For &gt;50 To 100, Deduct</i>	-1.98	
			<i>For &gt;100 To 250, Deduct</i>	-3.95	
			<i>For &gt;250 To 500, Deduct</i>	-6.48	
			<i>For &gt;500, Deduct</i>	-9.00	
			<i>For Work In Restricted Working Space, Add</i>	3.30	
<b>26 05 29 00-0282</b>			<b>Between Studs Box Brackets</b> <small>(26 05 29 00-0165)</small>		
26 05 29 00-0283	EA	16"	Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB16A) .....	5.44	
			<i>For &gt;50 To 100, Deduct</i>	-0.19	
			<i>For &gt;100 To 250, Deduct</i>	-0.38	
			<i>For &gt;250 To 500, Deduct</i>	-0.68	
			<i>For &gt;500, Deduct</i>	-0.99	
			<i>For Work In Restricted Working Space, Add</i>	0.66	
26 05 29 00-0284	EA	24"	Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB24A) .....	6.55	
			<i>For &gt;50 To 100, Deduct</i>	-0.22	
			<i>For &gt;100 To 250, Deduct</i>	-0.44	
			<i>For &gt;250 To 500, Deduct</i>	-0.77	
			<i>For &gt;500, Deduct</i>	-1.10	
			<i>For Work In Restricted Working Space, Add</i>	0.66	
<b>26 05 29 00-0285</b>			<b>Hangers And Brackets</b> <small>(26 05 29 00-0165)</small>		
26 05 29 00-0286	EA		Rod Hangers Only With 1/4" Thread Impression (Caddy 4TI) .....	1.88	
			<i>For &gt;50 To 100, Deduct</i>	-0.08	
			<i>For &gt;100 To 250, Deduct</i>	-0.17	
			<i>For &gt;250 To 500, Deduct</i>	-0.32	
			<i>For &gt;500, Deduct</i>	-0.48	
26 05 29 00-0287	EA		Angle Bracket Only With 1/4" Hole (Caddy AB) .....	1.82	
			<i>For &gt;50 To 100, Deduct</i>	-0.08	
			<i>For &gt;100 To 250, Deduct</i>	-0.16	
			<i>For &gt;250 To 500, Deduct</i>	-0.32	
			<i>For &gt;500, Deduct</i>	-0.47	
26 05 29 00-0288	EA		Offset Bracket Only With 1/4" Hole (Caddy AO) .....	1.82	
			<i>For &gt;50 To 100, Deduct</i>	-0.08	
			<i>For &gt;100 To 250, Deduct</i>	-0.16	
			<i>For &gt;250 To 500, Deduct</i>	-0.32	
			<i>For &gt;500, Deduct</i>	-0.47	
26 05 29 00-0289	EA		Angle Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIB).....	2.49	
			<i>For &gt;50 To 100, Deduct</i>	-0.10	
			<i>For &gt;100 To 250, Deduct</i>	-0.20	
			<i>For &gt;250 To 500, Deduct</i>	-0.37	
			<i>For &gt;500, Deduct</i>	-0.54	
26 05 29 00-0290	EA		Angle Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIB).....	2.50	
			<i>For &gt;50 To 100, Deduct</i>	-0.10	
			<i>For &gt;100 To 250, Deduct</i>	-0.20	
			<i>For &gt;250 To 500, Deduct</i>	-0.37	
			<i>For &gt;500, Deduct</i>	-0.54	
26 05 29 00-0291	EA		Angle Bracket Mount, 1/4" Or 3/8" Threaded Rod Hanger With Nut (Caddy 6TB).....	2.43	
			<i>For &gt;50 To 100, Deduct</i>	-0.10	
			<i>For &gt;100 To 250, Deduct</i>	-0.19	
			<i>For &gt;250 To 500, Deduct</i>	-0.36	
			<i>For &gt;500, Deduct</i>	-0.54	
26 05 29 00-0292	EA		Offset Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIO).....	2.49	
			<i>For &gt;50 To 100, Deduct</i>	-0.10	
			<i>For &gt;100 To 250, Deduct</i>	-0.20	
			<i>For &gt;250 To 500, Deduct</i>	-0.37	
			<i>For &gt;500, Deduct</i>	-0.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0293 EA Offset Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIO).....	2.50	
<i>For &gt;50 To 100, Deduct</i>	-0.10	
<i>For &gt;100 To 250, Deduct</i>	-0.20	
<i>For &gt;250 To 500, Deduct</i>	-0.37	
<i>For &gt;500, Deduct</i>	-0.54	
<b>26 05 29 00-0294 Clips And Accessories <small>(26 05 29 00-0165)</small></b>		
26 05 29 00-0295 EA 1/2" Diameter Center, Bridle Ring (Caddy 2BR).....	1.28	
<i>For &gt;50 To 100, Deduct</i>	-0.05	
<i>For &gt;100 To 250, Deduct</i>	-0.11	
<i>For &gt;250 To 500, Deduct</i>	-0.21	
<i>For &gt;500, Deduct</i>	-0.31	
26 05 29 00-0296 EA 3/4" Diameter Center, Bridle Ring (Caddy 2BR12).....	1.31	
<i>For &gt;50 To 100, Deduct</i>	-0.06	
<i>For &gt;100 To 250, Deduct</i>	-0.11	
<i>For &gt;250 To 500, Deduct</i>	-0.21	
<i>For &gt;500, Deduct</i>	-0.31	
26 05 29 00-0297 EA 1-1/4" Diameter Center, Bridle Ring (Caddy 2BR20).....	1.41	
<i>For &gt;50 To 100, Deduct</i>	-0.06	
<i>For &gt;100 To 250, Deduct</i>	-0.12	
<i>For &gt;250 To 500, Deduct</i>	-0.22	
<i>For &gt;500, Deduct</i>	-0.32	
26 05 29 00-0298 EA 2" Diameter Center, Bridle Ring (Caddy 2BR32).....	1.62	
<i>For &gt;50 To 100, Deduct</i>	-0.06	
<i>For &gt;100 To 250, Deduct</i>	-0.13	
<i>For &gt;250 To 500, Deduct</i>	-0.24	
<i>For &gt;500, Deduct</i>	-0.34	
<b>26 05 29 00-0299 Wire Ties <small>(26 05 29 00-0165)</small></b>		
Note: Per hundred (C).		
26 05 29 00-0300 C 3" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	18.52	
<i>For Up To 0.1, Add</i>	15.32	
<i>For &gt;0.1 To 0.25, Add</i>	7.66	
<i>For &gt;0.25 To 0.75, Add</i>	3.83	
<i>For &gt;2.0, Deduct</i>	-1.53	
<i>For UV Black, Add</i>	0.48	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.60	
26 05 29 00-0301 C 4" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	18.64	
<i>For Up To 0.1, Add</i>	15.32	
<i>For &gt;0.1 To 0.25, Add</i>	7.66	
<i>For &gt;0.25 To 0.75, Add</i>	3.83	
<i>For &gt;2.0, Deduct</i>	-1.53	
<i>For UV Black, Add</i>	0.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.60	
26 05 29 00-0302 C 4-3/4" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	18.73	
<i>For Up To 0.1, Add</i>	15.32	
<i>For &gt;0.1 To 0.25, Add</i>	7.66	
<i>For &gt;0.25 To 0.75, Add</i>	3.83	
<i>For &gt;2.0, Deduct</i>	-1.53	
<i>For UV Black, Add</i>	0.51	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.60	
26 05 29 00-0303 C 5-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	18.77	
<i>For Up To 0.1, Add</i>	15.32	
<i>For &gt;0.1 To 0.25, Add</i>	7.66	
<i>For &gt;0.25 To 0.75, Add</i>	3.83	
<i>For &gt;2.0, Deduct</i>	-1.53	
<i>For UV Black, Add</i>	0.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.60	
26 05 29 00-0304 C 6-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	19.47	
<i>For Up To 0.1, Add</i>	15.98	
<i>For &gt;0.1 To 0.25, Add</i>	7.99	
<i>For &gt;0.25 To 0.75, Add</i>	4.00	
<i>For &gt;2.0, Deduct</i>	-1.60	
<i>For UV Black, Add</i>	0.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.79	
26 05 29 00-0305 C 8" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	22.89	
<i>For Up To 0.1, Add</i>	16.70	
<i>For &gt;0.1 To 0.25, Add</i>	8.35	
<i>For &gt;0.25 To 0.75, Add</i>	4.18	
<i>For &gt;2.0, Deduct</i>	-1.67	
<i>For UV Black, Add</i>	0.93	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 05 29 00-0306 C 4-3/4" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	21.96	
<i>For Up To 0.1, Add</i>	15.32	
<i>For &gt;0.1 To 0.25, Add</i>	7.66	
<i>For &gt;0.25 To 0.75, Add</i>	3.83	
<i>For &gt;2.0, Deduct</i>	-1.53	
<i>For UV Black, Add</i>	1.00	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.60	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0307	C		6" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	22.67	
			<i>For Up To 0.1, Add</i>	15.98	
			<i>For &gt;0.1 To 0.25, Add</i>	7.99	
			<i>For &gt;0.25 To 0.75, Add</i>	4.00	
			<i>For &gt;2.0, Deduct</i>	-1.60	
			<i>For UV Black, Add</i>	1.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.79	
26 05 29 00-0308	C		8" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	23.42	
			<i>For Up To 0.1, Add</i>	16.70	
			<i>For &gt;0.1 To 0.25, Add</i>	8.35	
			<i>For &gt;0.25 To 0.75, Add</i>	4.18	
			<i>For &gt;2.0, Deduct</i>	-1.67	
			<i>For UV Black, Add</i>	1.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 05 29 00-0309	C		10" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	33.53	
			<i>For Up To 0.1, Add</i>	18.02	
			<i>For &gt;0.1 To 0.25, Add</i>	9.01	
			<i>For &gt;0.25 To 0.75, Add</i>	4.51	
			<i>For &gt;2.0, Deduct</i>	-1.80	
			<i>For UV Black, Add</i>	2.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.41	
26 05 29 00-0310	C		11-1/2" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	34.93	
			<i>For Up To 0.1, Add</i>	18.02	
			<i>For &gt;0.1 To 0.25, Add</i>	9.01	
			<i>For &gt;0.25 To 0.75, Add</i>	4.51	
			<i>For &gt;2.0, Deduct</i>	-1.80	
			<i>For UV Black, Add</i>	2.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.41	
26 05 29 00-0311	C		7" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	24.40	
			<i>For Up To 0.1, Add</i>	16.70	
			<i>For &gt;0.1 To 0.25, Add</i>	8.35	
			<i>For &gt;0.25 To 0.75, Add</i>	4.18	
			<i>For &gt;2.0, Deduct</i>	-1.67	
			<i>For UV Black, Add</i>	1.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 05 29 00-0312	C		8" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	23.16	
			<i>For Up To 0.1, Add</i>	16.70	
			<i>For &gt;0.1 To 0.25, Add</i>	8.35	
			<i>For &gt;0.25 To 0.75, Add</i>	4.18	
			<i>For &gt;2.0, Deduct</i>	-1.67	
			<i>For UV Black, Add</i>	0.97	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 05 29 00-0313	C		11" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	33.91	
			<i>For Up To 0.1, Add</i>	18.02	
			<i>For &gt;0.1 To 0.25, Add</i>	9.01	
			<i>For &gt;0.25 To 0.75, Add</i>	4.51	
			<i>For &gt;2.0, Deduct</i>	-1.80	
			<i>For UV Black, Add</i>	2.38	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.41	
26 05 29 00-0314	C		14-1/2" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	38.68	
			<i>For Up To 0.1, Add</i>	19.14	
			<i>For &gt;0.1 To 0.25, Add</i>	9.57	
			<i>For &gt;0.25 To 0.75, Add</i>	4.79	
			<i>For &gt;2.0, Deduct</i>	-1.91	
			<i>For UV Black, Add</i>	2.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.74	
26 05 29 00-0315	C		8" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	37.67	
			<i>For Up To 0.1, Add</i>	16.70	
			<i>For &gt;0.1 To 0.25, Add</i>	8.35	
			<i>For &gt;0.25 To 0.75, Add</i>	4.18	
			<i>For &gt;2.0, Deduct</i>	-1.67	
			<i>For UV Black, Add</i>	3.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 05 29 00-0316	C		11" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	41.23	
			<i>For Up To 0.1, Add</i>	18.02	
			<i>For &gt;0.1 To 0.25, Add</i>	9.01	
			<i>For &gt;0.25 To 0.75, Add</i>	4.51	
			<i>For &gt;2.0, Deduct</i>	-1.80	
			<i>For UV Black, Add</i>	3.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.41	
26 05 29 00-0317	C		15" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	49.67	
			<i>For Up To 0.1, Add</i>	19.14	
			<i>For &gt;0.1 To 0.25, Add</i>	9.57	
			<i>For &gt;0.25 To 0.75, Add</i>	4.79	
			<i>For &gt;2.0, Deduct</i>	-1.91	
			<i>For UV Black, Add</i>	4.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.74	
26 05 29 00-0318	C		17" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	70.44	
			<i>For Up To 0.1, Add</i>	20.42	
			<i>For &gt;0.1 To 0.25, Add</i>	10.21	
			<i>For &gt;0.25 To 0.75, Add</i>	5.11	
			<i>For &gt;2.0, Deduct</i>	-2.04	
			<i>For UV Black, Add</i>	7.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0319 C 17-3/4" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	68.31	
For Up To 0.1, Add	20.42	
For >0.1 To 0.25, Add	10.21	
For >0.25 To 0.75, Add	5.11	
For >2.0, Deduct	-2.04	
For UV Black, Add	7.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.13	
26 05 29 00-0320 C 21-11/16" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	82.90	
For Up To 0.1, Add	21.37	
For >0.1 To 0.25, Add	10.69	
For >0.25 To 0.75, Add	5.34	
For >2.0, Deduct	-2.14	
For UV Black, Add	9.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.41	
26 05 29 00-0321 C 30" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	95.75	
For Up To 0.1, Add	22.41	
For >0.1 To 0.25, Add	11.21	
For >0.25 To 0.75, Add	5.60	
For >2.0, Deduct	-2.24	
For UV Black, Add	11.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.72	
26 05 29 00-0322 C 46" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	130.76	
For Up To 0.1, Add	24.19	
For >0.1 To 0.25, Add	12.10	
For >0.25 To 0.75, Add	6.05	
For >2.0, Deduct	-2.42	
For UV Black, Add	15.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.26	
26 05 29 00-0323 C 3/4" x 3/4" Self Adhesive Tie Mounts.....	24.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.89	
26 05 29 00-0324 C 1.1" x 1.1" Tie Mounts With Screw.....	48.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.79	
26 05 29 00-0325 EA 6" Length x 1/2" Width, Velcro Grip Cable Tie.....	1.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.11	
26 05 29 00-0326 EA 8" Length x 1/2" Width, Velcro Grip Cable Tie.....	1.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.09	
26 05 29 00-0327 EA 12" Length x 1/2" Width, Velcro Grip Cable Tie.....	1.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.09	
26 05 29 00-0328 EA 15" Length x 3/4" Width, Velcro Grip Cable Tie.....	2.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.09	
26 05 29 00-0329 EA 180" Length x 3/4" Width, Velcro Grip Cable Tie Roll.....	60.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.69	
<b>26 05 29 00-0330 Fastening Devices For Wireway And Conduit <small>(26 05 29)</small></b>		
Note: Bolts include drilling of holes with power tools in concrete, brick, concrete block, wood, tile or steel and alignment of hangers and supports.		
<b>26 05 29 00-0331 Toggle Bolts <small>(26 05 29 00-0330)</small></b>		
Note: Includes machine screw, toggle wing and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0332 EA 1/8" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt.....	5.78	
For >50 To 100, Deduct	-0.55	
For >100 To 250, Deduct	-1.09	
For >250 To 500, Deduct	-1.91	
For >500, Deduct	-2.73	
26 05 29 00-0333 EA 1/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	5.93	
For >50 To 100, Deduct	-0.56	
For >100 To 250, Deduct	-1.12	
For >250 To 500, Deduct	-1.96	
For >500, Deduct	-2.79	
26 05 29 00-0334 EA 3/16" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt.....	6.30	
For >50 To 100, Deduct	-0.58	
For >100 To 250, Deduct	-1.16	
For >250 To 500, Deduct	-2.02	
For >500, Deduct	-2.89	
26 05 29 00-0335 EA 3/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	6.45	
For >50 To 100, Deduct	-0.59	
For >100 To 250, Deduct	-1.19	
For >250 To 500, Deduct	-2.07	
For >500, Deduct	-2.95	
26 05 29 00-0336 EA 1/4" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	6.61	
For >50 To 100, Deduct	-0.61	
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-2.12	
For >500, Deduct	-3.03	
26 05 29 00-0337 EA 5/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	7.60	
For >50 To 100, Deduct	-0.64	
For >100 To 250, Deduct	-1.29	
For >250 To 500, Deduct	-2.23	
For >500, Deduct	-3.18	
26 05 29 00-0338 EA 3/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	7.93	
For >50 To 100, Deduct	-0.66	
For >100 To 250, Deduct	-1.32	
For >250 To 500, Deduct	-2.29	
For >500, Deduct	-3.26	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0339			<b>Machine Screws</b> <small>(26 05 29 00-0330)</small> Note: Includes drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0340	EA		#8 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	1.69	
			For >50 To 100, Deduct	-0.16	
			For >100 To 250, Deduct	-0.33	
			For >250 To 500, Deduct	-0.57	
			For >500, Deduct	-0.82	
26 05 29 00-0341	EA		#10 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	1.72	
			For >50 To 100, Deduct	-0.16	
			For >100 To 250, Deduct	-0.33	
			For >250 To 500, Deduct	-0.57	
			For >500, Deduct	-0.82	
26 05 29 00-0342	EA		1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	2.18	
			For >50 To 100, Deduct	-0.21	
			For >100 To 250, Deduct	-0.42	
			For >250 To 500, Deduct	-0.73	
			For >500, Deduct	-1.04	
26 05 29 00-0343	EA		5/16" Diameter, 2" Length, Zinc Plated Steel, Machine Screw .....	2.29	
			For >50 To 100, Deduct	-0.21	
			For >100 To 250, Deduct	-0.42	
			For >250 To 500, Deduct	-0.74	
			For >500, Deduct	-1.05	
26 05 29 00-0344	EA		3/8" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	2.84	
			For >50 To 100, Deduct	-0.25	
			For >100 To 250, Deduct	-0.51	
			For >250 To 500, Deduct	-0.89	
			For >500, Deduct	-1.26	
26 05 29 00-0345			<b>Hex Lag Bolts With Lag Shield Expansion Anchors</b> <small>(26 05 29 00-0330)</small> Note: Includes lag bolt, lag shield expansion anchor and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0346	EA		1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor .....	2.91	
			For >50 To 100, Deduct	-0.23	
			For >100 To 250, Deduct	-0.45	
			For >250 To 500, Deduct	-0.78	
			For >500, Deduct	-1.11	
26 05 29 00-0347	EA		5/16" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor .....	2.86	
			For >50 To 100, Deduct	-0.23	
			For >100 To 250, Deduct	-0.45	
			For >250 To 500, Deduct	-0.78	
			For >500, Deduct	-1.11	
26 05 29 00-0348	EA		3/8" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor .....	4.15	
			For >50 To 100, Deduct	-0.29	
			For >100 To 250, Deduct	-0.58	
			For >250 To 500, Deduct	-0.99	
			For >500, Deduct	-1.40	
26 05 29 00-0349	EA		1/2" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor .....	5.34	
			For >50 To 100, Deduct	-0.35	
			For >100 To 250, Deduct	-0.69	
			For >250 To 500, Deduct	-1.18	
			For >500, Deduct	-1.67	
26 05 29 00-0350			<b>Hanger Lag Bolts With Hex Nuts</b> <small>(26 05 29 00-0330)</small> Note: Includes hanger lag bolt (threaded one side), hex nut and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0351	EA		1/4" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut .....	2.14	
			For >50 To 100, Deduct	-0.18	
			For >100 To 250, Deduct	-0.35	
			For >250 To 500, Deduct	-0.61	
			For >500, Deduct	-0.86	
26 05 29 00-0352	EA		5/16" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut .....	2.18	
			For >50 To 100, Deduct	-0.18	
			For >100 To 250, Deduct	-0.35	
			For >250 To 500, Deduct	-0.61	
			For >500, Deduct	-0.87	
26 05 29 00-0353	EA		3/8" Diameter, 2-1/2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	2.62	
			For >50 To 100, Deduct	-0.20	
			For >100 To 250, Deduct	-0.40	
			For >250 To 500, Deduct	-0.70	
			For >500, Deduct	-0.99	
26 05 29 00-0354			<b>Hollow Wall Screw Anchors</b> <small>(26 05 29 00-0330)</small>		
26 05 29 00-0355	EA		6-32 Screw Size, 5/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor .....	1.26	
			For >50 To 100, Deduct	-0.11	
			For >100 To 250, Deduct	-0.21	
			For >250 To 500, Deduct	-0.36	
			For >500, Deduct	-0.52	
26 05 29 00-0356	EA		6-32 Screw Size, 5/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.31	
			For >50 To 100, Deduct	-0.11	
			For >100 To 250, Deduct	-0.21	
			For >250 To 500, Deduct	-0.37	
			For >500, Deduct	-0.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0357 EA 6-32 Screw Size, 5/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.38	
<i>For &gt;50 To 100, Deduct</i>	-0.11	
<i>For &gt;100 To 250, Deduct</i>	-0.22	
<i>For &gt;250 To 500, Deduct</i>	-0.37	
<i>For &gt;500, Deduct</i>	-0.53	
26 05 29 00-0358 EA 10-24 Screw Size, 3/8" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.77	
<i>For &gt;50 To 100, Deduct</i>	-0.13	
<i>For &gt;100 To 250, Deduct</i>	-0.26	
<i>For &gt;250 To 500, Deduct</i>	-0.45	
<i>For &gt;500, Deduct</i>	-0.63	
26 05 29 00-0359 EA 10-24 Screw Size, 3/8" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.87	
<i>For &gt;50 To 100, Deduct</i>	-0.13	
<i>For &gt;100 To 250, Deduct</i>	-0.26	
<i>For &gt;250 To 500, Deduct</i>	-0.45	
<i>For &gt;500, Deduct</i>	-0.64	
26 05 29 00-0360 EA 10-24 Screw Size, 3/8" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.90	
<i>For &gt;50 To 100, Deduct</i>	-0.13	
<i>For &gt;100 To 250, Deduct</i>	-0.27	
<i>For &gt;250 To 500, Deduct</i>	-0.46	
<i>For &gt;500, Deduct</i>	-0.65	
26 05 29 00-0361 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.91	
<i>For &gt;50 To 100, Deduct</i>	-0.13	
<i>For &gt;100 To 250, Deduct</i>	-0.27	
<i>For &gt;250 To 500, Deduct</i>	-0.46	
<i>For &gt;500, Deduct</i>	-0.65	
26 05 29 00-0362 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.06	
<i>For &gt;50 To 100, Deduct</i>	-0.14	
<i>For &gt;100 To 250, Deduct</i>	-0.27	
<i>For &gt;250 To 500, Deduct</i>	-0.47	
<i>For &gt;500, Deduct</i>	-0.66	
26 05 29 00-0363 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor .....	2.11	
<i>For &gt;50 To 100, Deduct</i>	-0.14	
<i>For &gt;100 To 250, Deduct</i>	-0.28	
<i>For &gt;250 To 500, Deduct</i>	-0.47	
<i>For &gt;500, Deduct</i>	-0.67	
<b>26 05 29 00-0364 Lead Screw Anchors</b> <small>(26 05 29 00-0330)</small>		
Note: Includes screw.		
26 05 29 00-0365 EA #6-8 Screw Size, 1/4" Hole Diameter, Lead Screw Anchor With Screw .....	2.87	
<i>For &gt;50 To 100, Deduct</i>	-0.26	
<i>For &gt;100 To 250, Deduct</i>	-0.52	
<i>For &gt;250 To 500, Deduct</i>	-0.90	
<i>For &gt;500, Deduct</i>	-1.29	
26 05 29 00-0366 EA #10-14 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw .....	3.44	
<i>For &gt;50 To 100, Deduct</i>	-0.30	
<i>For &gt;100 To 250, Deduct</i>	-0.61	
<i>For &gt;250 To 500, Deduct</i>	-1.06	
<i>For &gt;500, Deduct</i>	-1.50	
26 05 29 00-0367 EA #16-18 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw .....	4.70	
<i>For &gt;50 To 100, Deduct</i>	-0.39	
<i>For &gt;100 To 250, Deduct</i>	-0.79	
<i>For &gt;250 To 500, Deduct</i>	-1.36	
<i>For &gt;500, Deduct</i>	-1.94	
<b>26 05 29 00-0368 Acoustical T-Bar Clips</b> <small>(26 05 29 00-0330)</small>		
Note: For conduit installation above suspended ceilings up to 15' height.		
26 05 29 00-0369 EA 1/2" Conduit, Push-In Acoustical T-Bar Clip .....	4.66	
<i>For &gt;50 To 100, Deduct</i>	-0.35	
<i>For &gt;100 To 250, Deduct</i>	-0.70	
<i>For &gt;250 To 500, Deduct</i>	-1.21	
<i>For &gt;500, Deduct</i>	-1.72	
26 05 29 00-0370 EA 3/4" Conduit, Push-In Acoustical T-Bar Clip .....	4.88	
<i>For &gt;50 To 100, Deduct</i>	-0.37	
<i>For &gt;100 To 250, Deduct</i>	-0.74	
<i>For &gt;250 To 500, Deduct</i>	-1.27	
<i>For &gt;500, Deduct</i>	-1.80	
26 05 29 00-0371 EA 1" Conduit, Push-In Acoustical T-Bar Clip .....	5.32	
<i>For &gt;50 To 100, Deduct</i>	-0.39	
<i>For &gt;100 To 250, Deduct</i>	-0.79	
<i>For &gt;250 To 500, Deduct</i>	-1.35	
<i>For &gt;500, Deduct</i>	-1.92	
<b>26 05 29 00-0372 Threaded Rod, Accessories And Attachments</b> <small>(26 05 29)</small>		
<b>26 05 29 00-0373 Threaded Rod And Rod Accessories</b> <small>(26 05 29 00-0372)</small>		
<b>26 05 29 00-0374 Carbon Steel Threaded Rod</b> <small>(26 05 29 00-0373)</small>		
Note: Includes plain finish.		
26 05 29 00-0375 LF 3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	2.50	0.46
<i>For Galvanized, Add</i>	0.64	
<i>For Zinc Coated, Add</i>	0.45	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0376 LF 1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	3.50	0.49
For Galvanized, Add	1.01	
For Zinc Coated, Add	0.72	
26 05 29 00-0377 LF 5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	4.92	0.50
For Galvanized, Add	1.56	
For Zinc Coated, Add	1.11	
26 05 29 00-0378 LF 3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	8.15	0.52
For Galvanized, Add	2.84	
For Zinc Coated, Add	2.03	
26 05 29 00-0379 LF 7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	8.90	0.54
For Galvanized, Add	3.13	
For Zinc Coated, Add	2.23	
26 05 29 00-0380 LF 1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	12.20	0.61
For Galvanized, Add	4.39	
For Zinc Coated, Add	3.13	
26 05 29 00-0381 LF 1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	15.20	0.68
For Galvanized, Add	5.54	
For Zinc Coated, Add	3.94	
<b>26 05 29 00-0382 Threaded Rod Couplings (26 05 29 00-0373)</b>		
26 05 29 00-0383 EA 3/8" Diameter, Threaded Rod Coupling Nut.....	6.09	
26 05 29 00-0384 EA 1/2" Diameter, Threaded Rod Coupling Nut.....	6.93	
26 05 29 00-0385 EA 5/8" Diameter, Threaded Rod Coupling Nut.....	8.78	
26 05 29 00-0386 EA 3/4" Diameter, Threaded Rod Coupling Nut.....	10.83	
26 05 29 00-0387 EA 7/8" Diameter, Threaded Rod Coupling Nut.....	16.29	
26 05 29 00-0388 EA 1" Diameter, Threaded Rod Coupling Nut.....	19.34	
26 05 29 00-0389 EA 1-1/8" Diameter, Threaded Rod Coupling Nut .....	38.12	
<b>26 05 29 00-0390 Flat Washers (26 05 29 00-0373)</b>		
26 05 29 00-0391 EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	0.52	0.18
For Galvanized, Add	0.03	
26 05 29 00-0392 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	0.69	0.18
For Galvanized, Add	0.06	
26 05 29 00-0393 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	0.92	0.18
For Galvanized, Add	0.11	
26 05 29 00-0394 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	1.14	0.37
For Galvanized, Add	0.16	
26 05 29 00-0395 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	1.29	0.37
For Galvanized, Add	0.19	
26 05 29 00-0396 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.53	0.37
For Galvanized, Add	0.23	
26 05 29 00-0397 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.72	0.37
For Galvanized, Add	0.26	
<b>26 05 29 00-0398 Malleable Iron Eye Sockets (26 05 29 00-0373)</b>		
Note: Type 16.		
26 05 29 00-0399 EA 3/8" Rod Size, Malleable Iron Eye Socket.....	7.67	
26 05 29 00-0400 EA 1/2" Rod Size, Malleable Iron Eye Socket.....	9.22	
26 05 29 00-0401 EA 5/8" Rod Size, Malleable Iron Eye Socket.....	16.39	
26 05 29 00-0402 EA 3/4" Rod Size, Malleable Iron Eye Socket.....	23.53	
26 05 29 00-0403 EA 7/8" Rod Size, Malleable Iron Eye Socket.....	25.04	
<b>26 05 29 00-0404 Hex Nuts (26 05 29 00-0373)</b>		
26 05 29 00-0405 EA 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.51	0.18
For Galvanized, Add	0.02	
26 05 29 00-0406 EA 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.65	0.18
For Galvanized, Add	0.05	
26 05 29 00-0407 EA 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.92	0.18
For Galvanized, Add	0.11	
26 05 29 00-0408 EA 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.10	0.37
For Galvanized, Add	0.15	
26 05 29 00-0409 EA 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.65	0.37
For Galvanized, Add	0.28	
26 05 29 00-0410 EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	2.11	0.37
For Galvanized, Add	0.38	
26 05 29 00-0411 EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	3.52	0.37
For Galvanized, Add	0.71	
<b>26 05 29 00-0412 Forged Steel Turnbuckles (26 05 29 00-0373)</b>		
Note: Type 13.		
26 05 29 00-0413 EA 3/8" Thread Diameter, Forged Steel Turnbuckle Body .....	18.59	
26 05 29 00-0414 EA 1/2" Thread Diameter, Forged Steel Turnbuckle Body .....	23.10	
26 05 29 00-0415 EA 5/8" Thread Diameter, Forged Steel Turnbuckle Body .....	31.18	
26 05 29 00-0416 EA 3/4" Thread Diameter, Forged Steel Turnbuckle Body .....	38.72	
26 05 29 00-0417 EA 7/8" Thread Diameter, Forged Steel Turnbuckle Body .....	97.25	
26 05 29 00-0418 EA 1" Thread Diameter, Forged Steel Turnbuckle Body .....	63.78	
26 05 29 00-0419 EA 1-1/4" Thread Diameter, Forged Steel Turnbuckle Body .....	129.86	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0420				<b>Attachments</b> <small>(26 05 29 00-0372)</small>		
26 05 29 00-0421				<b>Welded Beam Attachments</b> <small>(26 05 29 00-0420)</small> Note: Type 22.		
26 05 29 00-0422	EA			3/8" Rod Size, Welded Beam Attachment .....	33.96	7.34
26 05 29 00-0423	EA			1/2" Rod Size, Welded Beam Attachment .....	36.25	7.71
26 05 29 00-0424	EA			5/8" Rod Size, Welded Beam Attachment .....	38.59	8.14
26 05 29 00-0425	EA			3/4" Rod Size, Welded Beam Attachment .....	49.55	8.66
26 05 29 00-0426	EA			7/8" Rod Size, Welded Beam Attachment .....	59.67	9.17
26 05 29 00-0427	EA			1" Rod Size, Welded Beam Attachment .....	84.04	10.50
26 05 29 00-0428	EA			1-1/8" Rod Size, Welded Beam Attachment .....	119.69	11.01
26 05 29 00-0429				<b>C-Clamp Style Beam Clamps</b> <small>(26 05 29 00-0420)</small> Note: Type 23. Top or bottom flange mount.		
26 05 29 00-0430	EA			3/8" Rod Size, C-Clamp Style Beam Clamp .....	11.55	5.51
26 05 29 00-0431	EA			1/2" Rod Size, C-Clamp Style Beam Clamp .....	13.88	5.88
26 05 29 00-0432	EA			5/8" Rod Size, C-Clamp Style Beam Clamp .....	15.82	6.30
26 05 29 00-0433	EA			3/4" Rod Size, C-Clamp Style Beam Clamp .....	20.52	6.79
26 05 29 00-0434	EA			7/8" Rod Size, C-Clamp Style Beam Clamp .....	30.14	7.35
26 05 29 00-0435				<b>Bottom Mount I-Beam Clamps</b> <small>(26 05 29 00-0420)</small> Note: Type 21. For attaching threaded rod centered under beam flanges.		
26 05 29 00-0436	EA			3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp .....	32.95	7.35
26 05 29 00-0437	EA			1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp .....	48.85	8.02
26 05 29 00-0438	EA			5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp .....	70.17	8.82
26 05 29 00-0439	EA			3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp .....	84.10	9.80
26 05 29 00-0440	EA			1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp .....	205.51	11.03
26 05 29 00-0441				<b>Steel U-Bolts</b> <small>(26 05 29 00-0420)</small> Note: Type 24. Includes plate and nuts.		
26 05 29 00-0442	EA			1/2" Pipe Size, Zinc Plated Steel, U-Bolt .....	9.42	4.41
26 05 29 00-0443	EA			3/4" Pipe Size, Zinc Plated Steel, U-Bolt .....	10.24	4.64
26 05 29 00-0444	EA			1" Pipe Size, Zinc Plated Steel, U-Bolt .....	11.04	4.90
26 05 29 00-0445	EA			1-1/4" Pipe Size, Zinc Plated Steel, U-Bolt .....	12.61	5.19
26 05 29 00-0446	EA			1-1/2" Pipe Size, Zinc Plated Steel, U-Bolt .....	13.00	5.51
26 05 29 00-0447	EA			2" Pipe Size, Zinc Plated Steel, U-Bolt .....	13.91	5.89
26 05 29 00-0448	EA			2-1/2" Pipe Size, Zinc Plated Steel, U-Bolt .....	20.37	6.30
26 05 29 00-0449	EA			3" Pipe Size, Zinc Plated Steel, U-Bolt .....	22.47	6.79
26 05 29 00-0450	EA			4" Pipe Size, Zinc Plated Steel, U-Bolt .....	27.27	7.35
26 05 29 00-0451				<b>Stainless Steel Threaded Rod</b> <small>(26 05 29 00-0372)</small>		
26 05 29 00-0452	LF			1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	2.26	0.37
				<i>For 316 Stainless Steel, Add</i>	0.62	
26 05 29 00-0453	LF			5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	3.43	0.40
				<i>For 316 Stainless Steel, Add</i>	1.06	
26 05 29 00-0454	LF			3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	4.41	0.46
				<i>For 316 Stainless Steel, Add</i>	1.42	
26 05 29 00-0455	LF			7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	6.15	0.47
				<i>For 316 Stainless Steel, Add</i>	2.11	
26 05 29 00-0456	LF			1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	7.38	0.49
				<i>For 316 Stainless Steel, Add</i>	2.60	
26 05 29 00-0457	LF			5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	11.10	0.50
				<i>For 316 Stainless Steel, Add</i>	4.09	
26 05 29 00-0458	LF			3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	15.56	0.50
				<i>For 316 Stainless Steel, Add</i>	5.89	
26 05 29 00-0459	LF			7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	21.42	0.52
				<i>For 316 Stainless Steel, Add</i>	8.25	
26 05 29 00-0460	LF			1" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	27.54	0.61
				<i>For 316 Stainless Steel, Add</i>	10.66	
26 05 29 00-0461	LF			1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	58.35	0.73
				<i>For 316 Stainless Steel, Add</i>	23.01	
26 05 29 00-0462				<b>Polyvinyl Chloride (PVC) Coated Supports</b> <small>(26 05 29)</small> Note: Includes stainless steel and/or Polyvinyl Chloride (PVC) coated hardware.		
26 05 29 00-0463				<b>Polyvinyl Chloride (PVC) Coated Beam Clamps</b> <small>(26 05 29 00-0462)</small>		
26 05 29 00-0464				<b>Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamps</b> <small>(26 05 29 00-0463)</small>		
26 05 29 00-0465	EA			1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	47.51	14.68
26 05 29 00-0466	EA			3/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	51.59	16.00
26 05 29 00-0467	EA			1", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	54.55	17.61
26 05 29 00-0468	EA			1-1/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	66.86	19.59
26 05 29 00-0469	EA			1-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	77.79	22.02
26 05 29 00-0470	EA			2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	94.99	24.21
26 05 29 00-0471	EA			2-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	103.95	26.42
26 05 29 00-0472	EA			3", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	114.91	28.61



**26 Electrical****26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0473 EA 3-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	120.80	30.82
26 05 29 00-0474 EA 4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	130.84	33.02
<b>26 05 29 00-0475 Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0463)</b>		
26 05 29 00-0476 EA 1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	51.97	14.68
26 05 29 00-0477 EA 3/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	54.60	16.00
26 05 29 00-0478 EA 1", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	63.58	17.61
26 05 29 00-0479 EA 1-1/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	70.07	19.59
26 05 29 00-0480 EA 1-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	79.03	22.02
26 05 29 00-0481 EA 2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	92.87	24.21
26 05 29 00-0482 EA 2-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	107.97	26.42
26 05 29 00-0483 EA 3", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	120.24	28.61
26 05 29 00-0484 EA 3-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	127.50	30.82
26 05 29 00-0485 EA 4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	131.73	33.02
<b>26 05 29 00-0486 Edge, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0463)</b>		
26 05 29 00-0487 EA 1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	48.46	14.53
26 05 29 00-0488 EA 3/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	51.92	15.85
26 05 29 00-0489 EA 1", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	59.08	17.61
26 05 29 00-0490 EA 1-1/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	70.49	19.37
26 05 29 00-0491 EA 1-1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	94.81	22.02
26 05 29 00-0492 EA 2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	103.87	24.21
<b>26 05 29 00-0493 Polyvinyl Chloride (PVC) Coated Conduit Straps (26 05 29 00-0462)</b>		
<b>26 05 29 00-0494 One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps (26 05 29 00-0493)</b>		
26 05 29 00-0495 EA 1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	7.07	0.44
26 05 29 00-0496 EA 3/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	7.71	0.44
26 05 29 00-0497 EA 1", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	11.52	0.44
26 05 29 00-0498 EA 1-1/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	14.09	0.44
26 05 29 00-0499 EA 1-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	18.67	0.44
26 05 29 00-0500 EA 2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	28.24	0.44
26 05 29 00-0501 EA 2-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	37.74	0.44
26 05 29 00-0502 EA 3", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	50.69	0.44
26 05 29 00-0503 EA 3-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	90.02	0.44
26 05 29 00-0504 EA 4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	95.69	0.44
<b>26 05 29 00-0505 Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps (26 05 29 00-0493)</b>		
26 05 29 00-0506 EA 1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	13.92	0.88
26 05 29 00-0507 EA 3/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	13.98	0.88
26 05 29 00-0508 EA 1", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	14.37	0.88
26 05 29 00-0509 EA 1-1/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	18.29	0.88
26 05 29 00-0510 EA 1-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	18.82	0.88
26 05 29 00-0511 EA 2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	21.71	0.88
26 05 29 00-0512 EA 2-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	24.51	0.88
26 05 29 00-0513 EA 3", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	25.67	0.88
26 05 29 00-0514 EA 3-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	27.47	0.88
26 05 29 00-0515 EA 4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	29.87	0.88
<b>26 05 29 00-0516 Polyvinyl Chloride (PVC) Coated Clamp Back Spacer (26 05 29 00-0462)</b>		
<b>26 05 29 00-0517 Polyvinyl Chloride (PVC) Coated Clamp Back Spacer (26 05 29 00-0516)</b>		
26 05 29 00-0518 EA 1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer .....	12.55	0.88
26 05 29 00-0519 EA 3/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer .....	14.73	0.88
26 05 29 00-0520 EA 1" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer .....	18.74	0.88
26 05 29 00-0521 EA 1-1/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer .....	22.05	0.88
26 05 29 00-0522 EA 1-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer .....	29.80	0.88
26 05 29 00-0523 EA 2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer .....	36.53	0.88
26 05 29 00-0524 EA 2-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer .....	74.37	0.88
26 05 29 00-0525 EA 3" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer .....	101.86	0.88
26 05 29 00-0526 EA 3-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer .....	178.90	0.88
26 05 29 00-0527 EA 4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer .....	178.90	0.88
<b>26 05 29 00-0528 Polyvinyl Chloride (PVC) Coated Threaded Rod And Accessories (26 05 29 00-0462)</b>		
<b>26 05 29 00-0529 Polyvinyl Chloride (PVC) Coated Threaded Rod (26 05 29 00-0528)</b>		
26 05 29 00-0530 LF 3/8" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod .....	8.70	0.59
26 05 29 00-0531 LF 1/2" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod .....	10.77	0.66
<b>26 05 29 00-0532 Attachments (26 05 29 00-0462)</b>		
<b>26 05 29 00-0533 Polyvinyl Chloride (PVC) Coated U-Bolts And Encapsulation Nuts (26 05 29 00-0532)</b>		
26 05 29 00-0534 EA 1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts .....	13.94	4.41
26 05 29 00-0535 EA 3/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts .....	14.32	4.63



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				26 05 29 00-0536 EA 1" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	15.08	4.92
				26 05 29 00-0537 EA 1-1/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	16.08	5.22
				26 05 29 00-0538 EA 1-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	17.13	5.51
				26 05 29 00-0539 EA 2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	19.54	5.89
				26 05 29 00-0540 EA 2-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	30.18	6.32
				26 05 29 00-0541 EA 3" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	31.50	6.76
				26 05 29 00-0542 EA 4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	33.46	7.35
				26 05 29 00-0543 EA 5" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	57.84	8.38
				26 05 29 00-0544 EA 6" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	72.32	9.70
<b>26 05 29 00-0545</b>				<b>Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamps</b> (26 05 29 00-0532)		
				26 05 29 00-0546 EA 1/4", 20 Hole, 15/16" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	49.13	14.53
				26 05 29 00-0547 EA 5/16", 18 Hole, 7/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	59.72	14.53
				26 05 29 00-0548 EA 3/8", 16 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	64.09	14.53
				26 05 29 00-0549 EA 1/2", 13 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	71.28	15.41
				26 05 29 00-0550 EA 1/2", 13 Hole, 2-1/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	83.85	17.61
<b>26 05 29 00-0551</b>				<b>Polyvinyl Chloride (PVC) Coated Pipe Straps</b> (26 05 29 00-0532)		
				Note: Includes stainless steel nuts and bolts.		
				26 05 29 00-0552 EA 1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	15.10	4.84
				26 05 29 00-0553 EA 3/4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	15.84	5.28
				26 05 29 00-0554 EA 1" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	17.27	5.72
				26 05 29 00-0555 EA 1-1/4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	19.42	6.61
				26 05 29 00-0556 EA 1-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	22.23	7.49
				26 05 29 00-0557 EA 2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	24.78	7.92
				26 05 29 00-0558 EA 2-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	27.39	8.80
				26 05 29 00-0559 EA 3" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	32.69	9.68
				26 05 29 00-0560 EA 3-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	35.81	10.13
				26 05 29 00-0561 EA 4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	37.58	11.01
				26 05 29 00-0562 EA 5" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	40.06	12.33
<b>26 05 29 00-0563</b>				<b>Polyvinyl Chloride (PVC) Coated Channel</b> (26 05 29 00-0462)		
				26 05 29 00-0564 LF Polyvinyl Chloride (PVC) Coated Channel, A12.....	16.09	2.21
				26 05 29 00-0565 LF Polyvinyl Chloride (PVC) Coated Channel, A12A.....	28.61	3.08
				26 05 29 00-0566 LF Polyvinyl Chloride (PVC) Coated Channel, A12P.....	17.20	2.21
				26 05 29 00-0567 LF Polyvinyl Chloride (PVC) Coated Channel, C14.....	12.67	2.21
				26 05 29 00-0568 LF Polyvinyl Chloride (PVC) Coated Channel, C14P.....	13.36	2.21
<b>26 05 29 00-0569</b>				<b>Polymer Concrete Pads</b> (26 05 29)		
				Note: Excludes excavation and backfill.		
<b>26 05 29 00-0570</b>				<b>Polymer Concrete, Box Pads</b> (26 05 29 00-0569)		
				26 05 29 00-0571 EA 24" x 36", 18" Depth, Polymer Concrete, Box Pad.....	747.76	60.02
				26 05 29 00-0572 EA 25" x 25", 24" Depth, Polymer Concrete, Box Pad.....	773.70	60.02
				26 05 29 00-0573 EA 40" x 44", 15" Depth, Polymer Concrete, Box Pad.....	1,012.05	60.02
				26 05 29 00-0574 EA 40" x 44", 24" Depth, Polymer Concrete, Box Pad.....	1,051.57	60.02
				26 05 29 00-0575 EA 52" x 36", 18" Depth, Polymer Concrete, Box Pad.....	975.26	60.02
				26 05 29 00-0576 EA 44" x 44", 32" Depth, Polymer Concrete, Box Pad.....	1,161.89	60.02
				26 05 29 00-0577 EA 40" x 58", 24" Depth, Polymer Concrete, Box Pad.....	1,304.99	60.02
				26 05 29 00-0578 EA 52" x 50", 18" Depth, Polymer Concrete, Box Pad.....	1,241.42	75.03
				26 05 29 00-0579 EA 74" x 76", 36" Depth, Polymer Concrete, Box Pad.....	1,910.04	75.03
				26 05 29 00-0580 EA 93" x 93", 36" Depth, Polymer Concrete, Box Pad.....	2,581.97	75.03
<b>26 05 29 00-0581</b>				<b>Polymer Concrete, Telecommunications Equipment Pads</b> (26 05 29 00-0569)		
				26 05 29 00-0582 EA 42" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	351.87	29.21
				26 05 29 00-0583 EA 48" x 46", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	422.73	29.21
				26 05 29 00-0584 EA 60" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	554.55	45.01
				26 05 29 00-0585 EA 54" x 48", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	580.88	45.01
				26 05 29 00-0586 EA 57" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	848.96	45.01
				26 05 29 00-0587 EA 72" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	886.22	45.01
				26 05 29 00-0588 EA 64" x 72", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	955.64	45.01
				26 05 29 00-0589 EA 72" x 64", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	955.64	45.01
				26 05 29 00-0590 EA 76" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,827.84	45.01
				26 05 29 00-0591 EA 96" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	2,076.70	45.01
<b>26 05 29 00-0592</b>				<b>Polymer Concrete, Electrical Equipment Pads</b> (26 05 29 00-0569)		
				26 05 29 00-0593 EA 24" x 25", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	201.80	29.21
				26 05 29 00-0594 EA 24" x 36", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	220.01	29.21
				26 05 29 00-0595 EA 24" x 44", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	236.61	29.21
				26 05 29 00-0596 EA 24" x 58", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	291.72	29.21
				26 05 29 00-0597 EA 40" x 40", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	267.13	29.21
				26 05 29 00-0598 EA 42" x 42", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	278.72	29.21
				26 05 29 00-0599 EA 48" x 42", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	308.77	29.21
				26 05 29 00-0600 EA 48" x 46", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	326.29	29.21
				26 05 29 00-0601 EA 54" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	384.83	29.21

**26 Electrical****26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0602	EA		56" x 44", 3" Thick, Polymer Concrete, Electrical Equipment Pad .....	481.25	29.21
26 05 29 00-0603	EA		64" x 64", 4" Thick, Polymer Concrete, Electrical Equipment Pad .....	719.81	45.01
26 05 29 00-0604	EA		66" x 72", 4" Thick, Polymer Concrete, Electrical Equipment Pad .....	755.05	45.01
26 05 29 00-0605	EA		75" x 52", 4" Thick, Polymer Concrete, Electrical Equipment Pad .....	766.17	45.01
26 05 29 00-0606	EA		90" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad .....	840.25	45.01
26 05 29 00-0607	EA		84" x 96", 4" Thick, Polymer Concrete, Electrical Equipment Pad .....	1,831.18	45.01
26 05 29 00-0608	EA		96" x 80", 4" Thick, Polymer Concrete, Electrical Equipment Pad .....	2,163.09	45.01

**26 05 33 Raceway And Boxes For Electrical Systems** (26 05)**26 05 33 13 Conduit For Electrical Systems** (26 05 33)**26 05 33 13-0001 Conduit Assemblies** (26 05 33 13)

Note: Includes conduit, fittings and wire. Excludes hangers or supports.

**26 05 33 13-0002 Electrical Metallic Tubing (EMT) Conduit Assemblies** (26 05 33 13-0001)

Note: Includes conduit, field bends, set screw connectors, set screw couplings, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0249 for larger copper conductor, 26 05 33 13-0598 for larger EMT conduit.

26 05 33 13-0003	CLF		1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....	550.25	163.96
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	140.55	
			<i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1.03	
26 05 33 13-0004	CLF		1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....	600.82	178.04
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	152.63	
			<i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1.55	
26 05 33 13-0005	CLF		1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....	651.37	192.13
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	164.70	
			<i>For 4 #12 THWN Conductor Instead Of THHN, Add</i>	2.06	
26 05 33 13-0006	CLF		1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....	580.74	171.00
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	146.59	
			<i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	1.55	
26 05 33 13-0007	CLF		1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....	643.18	187.43
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	160.68	
			<i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	2.32	
26 05 33 13-0008	CLF		1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor .....	649.12	185.09
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	158.67	
			<i>For 2 #8 THWN Conductor Instead Of THHN, Add</i>	2.70	
26 05 33 13-0009	CLF		3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....	613.45	176.76
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	151.50	
			<i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1.03	
26 05 33 13-0010	CLF		3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....	664.00	190.85
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	163.58	
			<i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1.55	
26 05 33 13-0011	CLF		3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....	714.58	204.94
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	175.65	
26 05 33 13-0012	CLF		3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....	765.14	219.03
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	187.73	
			<i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	2.58	
26 05 33 13-0013	CLF		3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....	643.93	183.81
			Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	157.54	
			<i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	1.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0014 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	706.39  171.63 2.32	200.24
26 05 33 13-0015 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	768.84  185.72 3.09	216.68
26 05 33 13-0016 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #10 THWN Conductor Instead Of THHN, Add</i>	831.29  199.80 3.87	233.12
26 05 33 13-0017 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	799.66  187.73 4.05	219.03
26 05 33 13-0018 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #8 THWN Conductor Instead Of THHN, Add</i>	887.00  205.84 5.39	240.16
26 05 33 13-0019 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #6 THWN Conductor Instead Of THHN, Add</i>	799.28  181.69 4.46	211.99
26 05 33 13-0020 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	917.67  203.83 6.69	237.81
26 05 33 13-0021 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	702.78  163.10 1.03	190.25
26 05 33 13-0022 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	753.33  175.17 1.55	204.33
26 05 33 13-0023 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	803.91  187.25	218.42
26 05 33 13-0024 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	854.47  199.32 2.58	232.51
26 05 33 13-0025 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	733.27  169.13 1.55	197.29
26 05 33 13-0026 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	795.72  183.22 2.32	213.73
26 05 33 13-0027 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	858.17  197.31 3.09	230.17

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0028	CLF		1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #10 THWN Conductor Instead Of THHN, Add</i>	920.63 211.40 3.87	246.60
26 05 33 13-0029	CLF		1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	888.99 199.32 4.05	232.51
26 05 33 13-0030	CLF		1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	1,006.99 215.42 6.69	251.30
26 05 33 13-0031	CLF		1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #6 THWN Conductor Instead Of THHN, Add</i>	1,125.38 237.56 8.92	277.12
26 05 33 13-0032			<b>Rigid Galvanized Steel (RGS) Conduit Assemblies</b> <small>(26 05 33 13-0001)</small> Note: Includes conduit, field bends, terminations, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0249 for larger copper conductor, 26 05 33 13-0059 for larger RGS conduit.		
26 05 33 13-0033	CLF		1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	732.42 159.95 1.03	186.63
26 05 33 13-0034	CLF		1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	782.99 172.03 1.55	200.71
26 05 33 13-0035	CLF		1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	762.92 165.99 1.55	193.67
26 05 33 13-0036	CLF		1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	825.36 180.08 2.32	210.11
26 05 33 13-0037	CLF		1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #8 THWN Conductor Instead Of THHN, Add</i>	831.29 178.07 2.70	207.76
26 05 33 13-0038	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	807.23 170.58 1.03	199.04
26 05 33 13-0039	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	857.80 182.66 1.55	213.13
26 05 33 13-0040	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	908.36 194.73	227.21
26 05 33 13-0041	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	837.73 176.62 1.55	206.08
26 05 33 13-0042	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	900.17 190.70 2.32	222.52
26 05 33 13-0043	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	962.63 204.79 3.09	238.95



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0044 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 3 #8 THWN Conductor Instead Of THHN, Add	993.45 206.81 4.05	241.30
26 05 33 13-0045 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 4 #8 THWN Conductor Instead Of THHN, Add	1,080.80 224.92 5.39	262.43
26 05 33 13-0046 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 2 #6 THWN Conductor Instead Of THHN, Add	993.07 200.77 4.46	234.26
26 05 33 13-0047 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 3 #6 THWN Conductor Instead Of THHN, Add	1,111.46 222.91 6.69	260.08
26 05 33 13-0048 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 3 #12 THWN Conductor Instead Of THHN, Add	1,041.98 203.73 1.55	237.68
26 05 33 13-0049 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add	1,092.54 215.80	251.76
26 05 33 13-0050 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 5 #12 THWN Conductor Instead Of THHN, Add	1,143.10 227.87 2.58	265.85
26 05 33 13-0051 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 3 #10 THWN Conductor Instead Of THHN, Add	1,084.35 211.78 2.32	247.07
26 05 33 13-0052 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 4 #10 THWN Conductor Instead Of THHN, Add	1,146.82 225.87 3.09	263.50
26 05 33 13-0053 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 5 #10 THWN Conductor Instead Of THHN, Add	1,209.26 239.95 3.87	279.94
26 05 33 13-0054 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 3 #8 THWN Conductor Instead Of THHN, Add	1,177.62 227.87 4.05	265.85
26 05 33 13-0055 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 3 #6 THWN Conductor Instead Of THHN, Add	1,295.64 243.98 6.69	284.64
26 05 33 13-0056 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 4 #6 THWN Conductor Instead Of THHN, Add	1,414.01 266.11 8.92	310.46
26 05 33 13-0057 Conduit <sup>(26 05 33 13)</sup> Note: Includes warning tape for underground conduits. Where 4-1/2" conduit is required, use tasks for 5" conduit. Add couplings as required at each fitting.		
26 05 33 13-0058 Conduit Installed Above Grade <sup>(26 05 33 13-0057)</sup>		
26 05 33 13-0059 Rigid Galvanized Steel (RGS) Or Galvanized Rigid Steel Conduit (GRC) Conduit <sup>(26 05 33 13-0058)</sup> Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0060 Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling <sup>(26 05 33 13-0059)</sup> Note: Includes field bending for conduit up to 1".		
26 05 33 13-0061 LF 1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling ..... For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Installation In Metal Stud Wall, Add For Installation In Wood Stud Wall (Includes Drilling), Add For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add For Installation Above 14', Add	5.30 -0.08 -0.31 -0.44 0.37 0.92 0.55 1.11 0.55	1.47

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0062 LF 3/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	6.00	1.61
For >250 To 500, Deduct	-0.10	
For >500 To 1,000, Deduct	-0.35	
For >1,000, Deduct	-0.50	
For Installation In Metal Stud Wall, Add	0.40	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.01	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.60	
For Work In Restricted Working Space, Add	1.21	
For Installation Above 14', Add	0.60	
26 05 33 13-0063 LF 1" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	7.76	1.88
For >250 To 500, Deduct	-0.15	
For >500 To 1,000, Deduct	-0.46	
For >1,000, Deduct	-0.66	
For Installation In Metal Stud Wall, Add	0.47	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.17	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.70	
For Work In Restricted Working Space, Add	1.41	
For Installation Above 14', Add	0.70	
26 05 33 13-0064 LF 1-1/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	9.46	2.15
For >250 To 500, Deduct	-0.20	
For >500 To 1,000, Deduct	-0.58	
For >1,000, Deduct	-0.81	
For Installation In Metal Stud Wall, Add	0.54	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.34	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.81	
For Work In Restricted Working Space, Add	1.61	
For Installation Above 14', Add	0.81	
26 05 33 13-0065 LF 1-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	11.05	2.42
For >250 To 500, Deduct	-0.25	
For >500 To 1,000, Deduct	-0.68	
For >1,000, Deduct	-0.95	
For Installation In Metal Stud Wall, Add	0.60	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.51	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.91	
For Work In Restricted Working Space, Add	1.81	
For Installation Above 14', Add	0.91	
26 05 33 13-0066 LF 2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	14.08	2.95
For >250 To 500, Deduct	-0.34	
For >500 To 1,000, Deduct	-0.87	
For >1,000, Deduct	-1.22	
For Installation In Metal Stud Wall, Add	0.74	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.85	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.11	
For Work In Restricted Working Space, Add	2.21	
For Installation Above 14', Add	1.11	
26 05 33 13-0067 LF 2-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	21.17	4.02
For >250 To 500, Deduct	-0.56	
For >500 To 1,000, Deduct	-1.34	
For >1,000, Deduct	-1.87	
For Installation In Metal Stud Wall, Add	1.01	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.52	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.51	
For Work In Restricted Working Space, Add	3.02	
For Installation Above 14', Add	1.51	
26 05 33 13-0068 LF 3" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	27.55	5.37
For >250 To 500, Deduct	-0.71	
For >500 To 1,000, Deduct	-1.73	
For >1,000, Deduct	-2.42	
For Installation In Metal Stud Wall, Add	1.34	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.36	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.01	
For Work In Restricted Working Space, Add	4.03	
For Installation Above 14', Add	2.01	
26 05 33 13-0069 LF 3-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	34.01	6.71
For >250 To 500, Deduct	-0.86	
For >500 To 1,000, Deduct	-2.13	
For >1,000, Deduct	-2.98	
For Installation In Metal Stud Wall, Add	1.68	
For Installation In Wood Stud Wall (Includes Drilling), Add	4.19	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.52	
For Work In Restricted Working Space, Add	5.03	
For Installation Above 14', Add	2.52	
26 05 33 13-0070 LF 4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	40.19	8.05
For >250 To 500, Deduct	-1.00	
For >500 To 1,000, Deduct	-2.51	
For >1,000, Deduct	-3.52	
For Installation In Metal Stud Wall, Add	2.01	
For Installation In Wood Stud Wall (Includes Drilling), Add	5.03	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.02	
For Work In Restricted Working Space, Add	6.04	
For Installation Above 14', Add	3.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0071 LF 5" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	66.16	10.20
For >250 To 500, Deduct	-2.03	
For >500 To 1,000, Deduct	-4.32	
For >1,000, Deduct	-5.98	
For Installation In Metal Stud Wall, Add	2.55	
For Installation In Wood Stud Wall (Includes Drilling), Add	6.37	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.82	
For Work In Restricted Working Space, Add	7.65	
For Installation Above 14', Add	3.82	
26 05 33 13-0072 LF 6" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	89.36	12.88
For >250 To 500, Deduct	-2.86	
For >500 To 1,000, Deduct	-5.90	
For >1,000, Deduct	-8.13	
For Installation In Metal Stud Wall, Add	3.22	
For Installation In Wood Stud Wall (Includes Drilling), Add	8.05	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	4.83	
For Work In Restricted Working Space, Add	9.66	
For Installation Above 14', Add	4.83	
<b>26 05 33 13-0073 Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow</b> <small>(26 05 33 13-0059)</small>		
See CSI section 26 05 33 13-2245 for conduit field bending.		
26 05 33 13-0074 EA 1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	20.36	6.64
For Work In Restricted Working Space, Add	5.00	
For Installation Above 14', Add	2.50	
26 05 33 13-0075 EA 3/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	25.59	8.25
For Work In Restricted Working Space, Add	6.21	
For Installation Above 14', Add	3.11	
26 05 33 13-0076 EA 1" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	32.75	10.13
For Work In Restricted Working Space, Add	7.58	
For Installation Above 14', Add	3.79	
26 05 33 13-0077 EA 1-1/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	42.17	11.74
For Work In Restricted Working Space, Add	8.80	
For Installation Above 14', Add	4.40	
26 05 33 13-0078 EA 1-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	48.97	13.48
For Work In Restricted Working Space, Add	10.10	
For Installation Above 14', Add	5.05	
26 05 33 13-0079 EA 2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	58.07	14.82
For Work In Restricted Working Space, Add	11.11	
For Installation Above 14', Add	5.55	
26 05 33 13-0080 EA 2-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	83.78	18.51
For Work In Restricted Working Space, Add	13.88	
For Installation Above 14', Add	6.94	
26 05 33 13-0081 EA 3" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	118.88	25.22
For Work In Restricted Working Space, Add	18.92	
For Installation Above 14', Add	9.46	
26 05 33 13-0082 EA 3-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	158.40	28.44
For Work In Restricted Working Space, Add	21.34	
For Installation Above 14', Add	10.67	
26 05 33 13-0083 EA 4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	193.14	37.03
For Work In Restricted Working Space, Add	27.77	
For Installation Above 14', Add	13.88	
26 05 33 13-0084 EA 5" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	315.99	60.38
For Work In Restricted Working Space, Add	45.29	
For Installation Above 14', Add	22.64	
26 05 33 13-0085 EA 6" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	475.07	90.69
For Work In Restricted Working Space, Add	68.02	
For Installation Above 14', Add	34.01	
<b>26 05 33 13-0086 Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow</b> <small>(26 05 33 13-0059)</small>		
See CSI section 26 05 33 13-2245 for conduit field bending.		
26 05 33 13-0087 EA 1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	20.36	6.64
For Work In Restricted Working Space, Add	5.00	
For Installation Above 14', Add	2.50	
26 05 33 13-0088 EA 3/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	25.59	8.25
For Work In Restricted Working Space, Add	6.21	
For Installation Above 14', Add	3.11	
26 05 33 13-0089 EA 1" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	32.75	10.13
For Work In Restricted Working Space, Add	7.58	
For Installation Above 14', Add	3.79	
26 05 33 13-0090 EA 1-1/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	42.17	11.74
For Work In Restricted Working Space, Add	8.80	
For Installation Above 14', Add	4.40	
26 05 33 13-0091 EA 1-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	48.97	13.48
For Work In Restricted Working Space, Add	10.10	
For Installation Above 14', Add	5.05	
26 05 33 13-0092 EA 2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	58.07	14.82
For Work In Restricted Working Space, Add	11.11	
For Installation Above 14', Add	5.55	
26 05 33 13-0093 EA 2-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	82.26	18.51
For Work In Restricted Working Space, Add	13.88	
For Installation Above 14', Add	6.94	
26 05 33 13-0094 EA 3" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	112.95	25.22
For Work In Restricted Working Space, Add	18.92	
For Installation Above 14', Add	9.46	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0095 EA 3-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	150.06	28.44
For Work In Restricted Working Space, Add	21.34	
For Installation Above 14', Add	10.67	
26 05 33 13-0096 EA 4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	182.05	37.03
For Work In Restricted Working Space, Add	27.77	
For Installation Above 14', Add	13.88	
26 05 33 13-0097 EA 5" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	315.99	60.38
For Work In Restricted Working Space, Add	45.29	
For Installation Above 14', Add	22.64	
26 05 33 13-0098 EA 6" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	475.07	90.69
For Work In Restricted Working Space, Add	68.02	
For Installation Above 14', Add	34.01	
<b>26 05 33 13-0099 Rigid Galvanized Steel (RGS) 12" Large Radius Elbow</b> (26 05 33 13-0059)		
See CSI section 26 05 33 13-2245 for conduit field bending.		
26 05 33 13-0100 EA 1" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow .....	51.01	16.57
For Work In Restricted Working Space, Add	9.94	
For Installation Above 14', Add	4.97	
26 05 33 13-0101 EA 1-1/4" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow .....	58.77	19.19
For Work In Restricted Working Space, Add	11.51	
For Installation Above 14', Add	5.76	
26 05 33 13-0102 EA 1-1/2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow .....	68.05	21.80
For Work In Restricted Working Space, Add	13.08	
For Installation Above 14', Add	6.54	
26 05 33 13-0103 EA 2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow .....	76.77	23.98
For Work In Restricted Working Space, Add	14.39	
For Installation Above 14', Add	7.20	
<b>26 05 33 13-0104 Rigid Galvanized Steel (RGS) 15" Large Radius Elbow</b> (26 05 33 13-0059)		
See CSI section 26 05 33 13-2245 for conduit field bending.		
26 05 33 13-0105 EA 1" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....	55.65	16.57
For Work In Restricted Working Space, Add	9.94	
For Installation Above 14', Add	4.97	
26 05 33 13-0106 EA 1-1/4" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....	64.73	19.19
For Work In Restricted Working Space, Add	11.51	
For Installation Above 14', Add	5.76	
26 05 33 13-0107 EA 1-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....	70.77	21.80
For Work In Restricted Working Space, Add	13.08	
For Installation Above 14', Add	6.54	
26 05 33 13-0108 EA 2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....	79.80	23.98
For Work In Restricted Working Space, Add	14.39	
For Installation Above 14', Add	7.20	
26 05 33 13-0109 EA 2-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....	106.36	30.09
For Work In Restricted Working Space, Add	18.05	
For Installation Above 14', Add	9.03	
26 05 33 13-0110 EA 3" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....	143.07	40.99
For Work In Restricted Working Space, Add	24.59	
For Installation Above 14', Add	12.30	
<b>26 05 33 13-0111 Rigid Galvanized Steel (RGS) 18" Large Radius Elbow</b> (26 05 33 13-0059)		
See CSI section 26 05 33 13-2245 for conduit field bending.		
26 05 33 13-0112 EA 1" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....	55.87	16.57
For Work In Restricted Working Space, Add	9.94	
For Installation Above 14', Add	4.97	
26 05 33 13-0113 EA 1-1/4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....	64.14	19.19
For Work In Restricted Working Space, Add	11.51	
For Installation Above 14', Add	5.76	
26 05 33 13-0114 EA 1-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....	73.70	21.80
For Work In Restricted Working Space, Add	13.08	
For Installation Above 14', Add	6.54	
26 05 33 13-0115 EA 2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....	86.37	23.98
For Work In Restricted Working Space, Add	14.39	
For Installation Above 14', Add	7.20	
26 05 33 13-0116 EA 2-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....	112.48	30.09
For Work In Restricted Working Space, Add	18.05	
For Installation Above 14', Add	9.03	
26 05 33 13-0117 EA 3" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....	148.01	40.99
For Work In Restricted Working Space, Add	24.59	
For Installation Above 14', Add	12.30	
26 05 33 13-0118 EA 3-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....	185.77	46.22
For Work In Restricted Working Space, Add	27.73	
For Installation Above 14', Add	13.87	
26 05 33 13-0119 EA 4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....	224.63	60.17
For Work In Restricted Working Space, Add	36.11	
For Installation Above 14', Add	18.05	
<b>26 05 33 13-0120 Rigid Galvanized Steel (RGS) 24" Large Radius Elbow</b> (26 05 33 13-0059)		
See CSI section 26 05 33 13-2245 for conduit field bending.		
26 05 33 13-0121 EA 1" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	63.26	16.57
For Work In Restricted Working Space, Add	9.94	
For Installation Above 14', Add	4.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0122 EA 1-1/4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	71.39 11.51 5.76	19.19
26 05 33 13-0123 EA 1-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	79.13 13.08 6.54	21.80
26 05 33 13-0124 EA 2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	94.37 14.39 7.20	23.98
26 05 33 13-0125 EA 2-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	123.40 18.05 9.03	30.09
26 05 33 13-0126 EA 3" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	165.13 24.59 12.30	40.99
26 05 33 13-0127 EA 3-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	202.41 27.73 13.87	46.22
26 05 33 13-0128 EA 4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	237.90 36.11 18.05	60.17
<b>26 05 33 13-0129 Rigid Galvanized Steel (RGS) 30" Large Radius Elbow</b> <small>(26 05 33 13-0059)</small> See CSI section 26 05 33 13-2245 for conduit field bending.		
26 05 33 13-0130 EA 1" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	62.81 9.94 4.97	16.57
26 05 33 13-0131 EA 1-1/4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	76.79 11.51 5.76	19.19
26 05 33 13-0132 EA 1-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	84.97 13.08 6.54	21.80
26 05 33 13-0133 EA 2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	102.00 14.39 7.20	23.98
26 05 33 13-0134 EA 2-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	133.88 18.05 9.03	30.09
26 05 33 13-0135 EA 3" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	178.64 24.59 12.30	40.99
26 05 33 13-0136 EA 3-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	218.87 27.73 13.87	46.22
26 05 33 13-0137 EA 4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	262.25 36.11 18.05	60.17
26 05 33 13-0138 EA 5" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	378.49 58.87 29.43	98.11
<b>26 05 33 13-0139 Rigid Galvanized Steel (RGS) 36" Large Radius Elbow</b> <small>(26 05 33 13-0059)</small> See CSI section 26 05 33 13-2245 for conduit field bending.		
26 05 33 13-0140 EA 1" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	66.76 9.94 4.97	16.57
26 05 33 13-0141 EA 1-1/4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	79.44 11.51 5.76	19.19
26 05 33 13-0142 EA 1-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	95.20 13.08 6.54	21.80
26 05 33 13-0143 EA 2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	107.96 14.39 7.20	23.98
26 05 33 13-0144 EA 2-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	146.30 18.05 9.03	30.09
26 05 33 13-0145 EA 3" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	190.20 24.59 12.30	40.99
26 05 33 13-0146 EA 3-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	240.11 27.73 13.87	46.22
26 05 33 13-0147 EA 4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	273.71 36.11 18.05	60.17
26 05 33 13-0148 EA 5" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	471.96 58.87 29.43	98.11

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0149 EA 6" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow .....	597.71	147.39
For Work In Restricted Working Space, Add	88.43	
For Installation Above 14', Add	44.22	
<b>26 05 33 13-0150 Rigid Galvanized Steel (RGS) 42" Large Radius Elbow</b> <small>(26 05 33 13-0059)</small>		
See CSI section 26 05 33 13-2245 for conduit field bending.		
26 05 33 13-0151 EA 1" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	72.54	16.57
For Work In Restricted Working Space, Add	9.94	
For Installation Above 14', Add	4.97	
26 05 33 13-0152 EA 1-1/4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	86.50	19.19
For Work In Restricted Working Space, Add	11.51	
For Installation Above 14', Add	5.76	
26 05 33 13-0153 EA 1-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	102.71	21.80
For Work In Restricted Working Space, Add	13.08	
For Installation Above 14', Add	6.54	
26 05 33 13-0154 EA 2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	115.81	23.98
For Work In Restricted Working Space, Add	14.39	
For Installation Above 14', Add	7.20	
26 05 33 13-0155 EA 2-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	155.80	30.09
For Work In Restricted Working Space, Add	18.05	
For Installation Above 14', Add	9.03	
26 05 33 13-0156 EA 3" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	207.14	40.99
For Work In Restricted Working Space, Add	24.59	
For Installation Above 14', Add	12.30	
26 05 33 13-0157 EA 3-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	257.10	46.22
For Work In Restricted Working Space, Add	27.73	
For Installation Above 14', Add	13.87	
26 05 33 13-0158 EA 4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	322.59	60.17
For Work In Restricted Working Space, Add	36.11	
For Installation Above 14', Add	18.05	
26 05 33 13-0159 EA 5" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	539.39	98.11
For Work In Restricted Working Space, Add	58.87	
For Installation Above 14', Add	29.43	
26 05 33 13-0160 EA 6" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	656.09	147.39
For Work In Restricted Working Space, Add	88.43	
For Installation Above 14', Add	44.22	
<b>26 05 33 13-0161 Rigid Galvanized Steel (RGS) 48" Large Radius Elbow</b> <small>(26 05 33 13-0059)</small>		
See CSI section 26 05 33 13-2245 for conduit field bending.		
26 05 33 13-0162 EA 1" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	77.35	16.57
For Work In Restricted Working Space, Add	9.94	
For Installation Above 14', Add	4.97	
26 05 33 13-0163 EA 1-1/4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	91.94	19.19
For Work In Restricted Working Space, Add	11.51	
For Installation Above 14', Add	5.76	
26 05 33 13-0164 EA 1-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	107.45	21.80
For Work In Restricted Working Space, Add	13.08	
For Installation Above 14', Add	6.54	
26 05 33 13-0165 EA 2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	130.47	23.98
For Work In Restricted Working Space, Add	14.39	
For Installation Above 14', Add	7.20	
26 05 33 13-0166 EA 2-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	173.33	30.09
For Work In Restricted Working Space, Add	18.05	
For Installation Above 14', Add	9.03	
26 05 33 13-0167 EA 3" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	224.21	40.99
For Work In Restricted Working Space, Add	24.59	
For Installation Above 14', Add	12.30	
26 05 33 13-0168 EA 3-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	278.46	46.22
For Work In Restricted Working Space, Add	27.73	
For Installation Above 14', Add	13.87	
26 05 33 13-0169 EA 4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	348.53	60.17
For Work In Restricted Working Space, Add	36.11	
For Installation Above 14', Add	18.05	
26 05 33 13-0170 EA 5" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	560.51	98.11
For Work In Restricted Working Space, Add	58.87	
For Installation Above 14', Add	29.43	
26 05 33 13-0171 EA 6" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	667.91	147.39
For Work In Restricted Working Space, Add	88.43	
For Installation Above 14', Add	44.22	
<b>26 05 33 13-0172 Rigid Galvanized Steel (RGS) Plastic Insulating Bushing</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0173 EA 1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	8.81	4.27
For Work In Restricted Working Space, Add	2.57	
For Installation Above 14', Add	1.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.57	
26 05 33 13-0174 EA 3/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	9.47	4.56
For Work In Restricted Working Space, Add	2.74	
For Installation Above 14', Add	1.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0175 EA 1" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.78 3.08 1.54 3.08	5.13
26 05 33 13-0176 EA 1-1/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.16 3.42 1.71 3.42	5.71
26 05 33 13-0177 EA 1-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.28 4.28 2.14 4.28	7.13
26 05 33 13-0178 EA 2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.03 5.13 2.57 5.13	8.55
26 05 33 13-0179 EA 2-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.20 5.99 2.99 5.99	9.98
26 05 33 13-0180 EA 3" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.28 6.84 3.42 6.84	11.40
26 05 33 13-0181 EA 3-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.86 7.70 3.85 7.70	10.73
26 05 33 13-0182 EA 4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.34 8.55 4.28 8.55	14.25
26 05 33 13-0183 EA 5" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.01 9.41 4.70 9.41	15.69
26 05 33 13-0184 EA 6" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.71 10.26 5.13 10.26	17.11
<b>26 05 33 13-0185 Rigid Galvanized Steel (RGS) Steel Bushing (26 05 33 13-0059)</b>		
26 05 33 13-0186 EA 1/2" Rigid Galvanized Steel (RGS) Steel Bushing ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.71 3.02 1.51 3.02	5.03
26 05 33 13-0187 EA 3/4" Rigid Galvanized Steel (RGS) Steel Bushing ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.68 3.22 1.61 3.22	5.37
26 05 33 13-0188 EA 1" Rigid Galvanized Steel (RGS) Steel Bushing ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.72 3.62 1.81 3.62	6.04
26 05 33 13-0189 EA 1-1/4" Rigid Galvanized Steel (RGS) Steel Bushing ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.45 4.03 2.01 4.03	6.71
26 05 33 13-0190 EA 1-1/2" Rigid Galvanized Steel (RGS) Steel Bushing ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.77 5.03 2.52 5.03	8.38
26 05 33 13-0191 EA 2" Rigid Galvanized Steel (RGS) Steel Bushing ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.36 6.04 3.02 6.04	10.06
26 05 33 13-0192 EA 2-1/2" Rigid Galvanized Steel (RGS) Steel Bushing ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.62 7.04 3.52 7.04	11.74
26 05 33 13-0193 EA 3" Rigid Galvanized Steel (RGS) Steel Bushing ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.15 8.05 4.03 8.05	13.42
26 05 33 13-0194 EA 3-1/2" Rigid Galvanized Steel (RGS) Steel Bushing ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.27 9.06 4.53 9.06	15.09
26 05 33 13-0195 EA 4" Rigid Galvanized Steel (RGS) Steel Bushing ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.94 10.06 5.03 10.06	16.77

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0196	EA	5" Rigid Galvanized Steel (RGS) Steel Bushing .....	113.35	18.44
			<i>For Work In Restricted Working Space, Add</i>	11.07	
			<i>For Installation Above 14', Add</i>	5.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.07	
26 05 33	13-0197	EA	6" Rigid Galvanized Steel (RGS) Steel Bushing .....	169.28	20.13
			<i>For Work In Restricted Working Space, Add</i>	12.08	
			<i>For Installation Above 14', Add</i>	6.04	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.08	
<b>26 05 33 13-0198 Rigid Galvanized Steel (RGS) Steel Insulated Bushing (26 05 33 13-0059)</b>					
26 05 33	13-0199	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	11.47	5.03
			<i>For Work In Restricted Working Space, Add</i>	3.02	
			<i>For Installation Above 14', Add</i>	1.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.02	
26 05 33	13-0200	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	12.83	5.37
			<i>For Work In Restricted Working Space, Add</i>	3.22	
			<i>For Installation Above 14', Add</i>	1.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.22	
26 05 33	13-0201	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	15.17	6.04
			<i>For Work In Restricted Working Space, Add</i>	3.62	
			<i>For Installation Above 14', Add</i>	1.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.62	
26 05 33	13-0202	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	17.90	6.71
			<i>For Work In Restricted Working Space, Add</i>	4.03	
			<i>For Installation Above 14', Add</i>	2.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.03	
26 05 33	13-0203	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	22.32	8.38
			<i>For Work In Restricted Working Space, Add</i>	5.03	
			<i>For Installation Above 14', Add</i>	2.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33	13-0204	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	27.89	10.06
			<i>For Work In Restricted Working Space, Add</i>	6.04	
			<i>For Installation Above 14', Add</i>	3.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.04	
26 05 33	13-0205	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	39.76	11.74
			<i>For Work In Restricted Working Space, Add</i>	7.04	
			<i>For Installation Above 14', Add</i>	3.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.04	
26 05 33	13-0206	EA	3" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	47.34	13.42
			<i>For Work In Restricted Working Space, Add</i>	8.05	
			<i>For Installation Above 14', Add</i>	4.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.05	
26 05 33	13-0207	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	62.61	15.09
			<i>For Work In Restricted Working Space, Add</i>	9.06	
			<i>For Installation Above 14', Add</i>	4.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.06	
26 05 33	13-0208	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	89.94	16.77
			<i>For Work In Restricted Working Space, Add</i>	10.06	
			<i>For Installation Above 14', Add</i>	5.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.06	
26 05 33	13-0209	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	119.88	18.44
			<i>For Work In Restricted Working Space, Add</i>	11.07	
			<i>For Installation Above 14', Add</i>	5.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.07	
26 05 33	13-0210	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	171.58	20.13
			<i>For Work In Restricted Working Space, Add</i>	12.08	
			<i>For Installation Above 14', Add</i>	6.04	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.08	
<b>26 05 33 13-0211 Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing (26 05 33 13-0059)</b>					
26 05 33	13-0212	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	17.77	6.04
			<i>For Work In Restricted Working Space, Add</i>	3.62	
			<i>For Installation Above 14', Add</i>	1.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.62	
26 05 33	13-0213	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	19.92	6.71
			<i>For Work In Restricted Working Space, Add</i>	4.03	
			<i>For Installation Above 14', Add</i>	2.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.03	
26 05 33	13-0214	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	22.87	7.38
			<i>For Work In Restricted Working Space, Add</i>	4.43	
			<i>For Installation Above 14', Add</i>	2.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.43	
26 05 33	13-0215	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	27.26	8.38
			<i>For Work In Restricted Working Space, Add</i>	5.03	
			<i>For Installation Above 14', Add</i>	2.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33	13-0216	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	32.91	10.40
			<i>For Work In Restricted Working Space, Add</i>	6.24	
			<i>For Installation Above 14', Add</i>	3.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0217 EA 2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	41.64 7.45 3.72 7.45	12.41
26 05 33 13-0218 EA 2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.32 8.65 4.33 8.65	14.42
26 05 33 13-0219 EA 3" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.89 10.06 5.03 10.06	16.77
26 05 33 13-0220 EA 3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.03 11.27 5.64 11.27	18.78
26 05 33 13-0221 EA 4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.28 12.48 6.24 12.48	20.80
26 05 33 13-0222 EA 5" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	131.15 13.68 6.84 13.68	22.81
26 05 33 13-0223 EA 6" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	182.17 15.10 7.55 15.10	25.15
<b>26 05 33 13-0224 Rigid Galvanized Steel (RGS) Box Connectors With Set Screw</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0225 EA 1/2" Rigid Galvanized Steel (RGS) Box Connector With Set Screw ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.23 2.30 1.15 2.30	3.09
26 05 33 13-0226 EA 3/4" Rigid Galvanized Steel (RGS) Box Connector With Set Screw ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.45 2.66 1.33 2.66	3.56
26 05 33 13-0227 EA 1" Rigid Galvanized Steel (RGS) Box Connector With Set Screw ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.40 3.21 1.60 3.21	4.29
26 05 33 13-0228 EA 1-1/4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.49 3.99 1.99 3.99	5.30
26 05 33 13-0229 EA 1-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.17 5.34 2.67 5.34	7.11
26 05 33 13-0230 EA 2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.81 8.00 4.00 8.00	10.67
26 05 33 13-0231 EA 2-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	104.16 8.86 4.43 8.86	11.80
26 05 33 13-0232 EA 3" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	124.09 10.73 5.36 10.73	14.29
26 05 33 13-0233 EA 3-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.13 13.43 6.71 13.43	17.91
26 05 33 13-0234 EA 4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	196.85 16.10 8.05 16.10	21.46
26 05 33 13-0235 EA 5" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	349.04 17.89 8.94 17.89	23.88
26 05 33 13-0236 EA 6" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	417.39 20.12 10.06 20.12	26.84
<b>26 05 33 13-0237 Rigid Galvanized Steel (RGS) Nipples</b> <small>(26 05 33 13-0059)</small>		

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0238	EA	1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	9.58	4.36
			<i>For Work In Restricted Working Space, Add</i>	2.62	
			<i>For Installation Above 14', Add</i>	1.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.62	
26 05 33	13-0239	EA	3/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	11.02	5.03
			<i>For Work In Restricted Working Space, Add</i>	3.02	
			<i>For Installation Above 14', Add</i>	1.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.02	
26 05 33	13-0240	EA	1" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	14.10	6.37
			<i>For Work In Restricted Working Space, Add</i>	3.83	
			<i>For Installation Above 14', Add</i>	1.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 05 33	13-0241	EA	1-1/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	16.46	7.38
			<i>For Work In Restricted Working Space, Add</i>	4.43	
			<i>For Installation Above 14', Add</i>	2.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.43	
26 05 33	13-0242	EA	1-1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	18.80	8.38
			<i>For Work In Restricted Working Space, Add</i>	5.03	
			<i>For Installation Above 14', Add</i>	2.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33	13-0243	EA	1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	9.65	4.36
			<i>For Work In Restricted Working Space, Add</i>	2.62	
			<i>For Installation Above 14', Add</i>	1.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.62	
26 05 33	13-0244	EA	3/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	11.13	5.03
			<i>For Work In Restricted Working Space, Add</i>	3.02	
			<i>For Installation Above 14', Add</i>	1.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.02	
26 05 33	13-0245	EA	1" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	14.21	6.37
			<i>For Work In Restricted Working Space, Add</i>	3.83	
			<i>For Installation Above 14', Add</i>	1.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 05 33	13-0246	EA	1-1/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	16.63	7.38
			<i>For Work In Restricted Working Space, Add</i>	4.43	
			<i>For Installation Above 14', Add</i>	2.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.43	
26 05 33	13-0247	EA	1-1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	19.06	8.38
			<i>For Work In Restricted Working Space, Add</i>	5.03	
			<i>For Installation Above 14', Add</i>	2.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33	13-0248	EA	2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	21.55	9.39
			<i>For Work In Restricted Working Space, Add</i>	5.63	
			<i>For Installation Above 14', Add</i>	2.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.63	
26 05 33	13-0249	EA	1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	9.72	4.36
			<i>For Work In Restricted Working Space, Add</i>	2.62	
			<i>For Installation Above 14', Add</i>	1.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.62	
26 05 33	13-0250	EA	3/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	11.23	5.03
			<i>For Work In Restricted Working Space, Add</i>	3.02	
			<i>For Installation Above 14', Add</i>	1.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.02	
26 05 33	13-0251	EA	1" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	14.38	6.37
			<i>For Work In Restricted Working Space, Add</i>	3.83	
			<i>For Installation Above 14', Add</i>	1.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 05 33	13-0252	EA	1-1/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	16.77	7.38
			<i>For Work In Restricted Working Space, Add</i>	4.43	
			<i>For Installation Above 14', Add</i>	2.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.43	
26 05 33	13-0253	EA	1-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	19.24	8.38
			<i>For Work In Restricted Working Space, Add</i>	5.03	
			<i>For Installation Above 14', Add</i>	2.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33	13-0254	EA	2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	21.98	9.39
			<i>For Work In Restricted Working Space, Add</i>	5.63	
			<i>For Installation Above 14', Add</i>	2.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.63	
26 05 33	13-0255	EA	2-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	29.42	11.40
			<i>For Work In Restricted Working Space, Add</i>	6.84	
			<i>For Installation Above 14', Add</i>	3.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.84	
26 05 33	13-0256	EA	3" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	39.65	15.77
			<i>For Work In Restricted Working Space, Add</i>	9.46	
			<i>For Installation Above 14', Add</i>	4.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.46	
26 05 33	13-0257	EA	1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	9.82	4.36
			<i>For Work In Restricted Working Space, Add</i>	2.62	
			<i>For Installation Above 14', Add</i>	1.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.62	
26 05 33	13-0258	EA	3/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	11.28	5.03
			<i>For Work In Restricted Working Space, Add</i>	3.02	
			<i>For Installation Above 14', Add</i>	1.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0259 EA 1" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	14.60 3.83 1.91 3.83	6.37
26 05 33 13-0260 EA 1-1/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.05 4.43 2.21 4.43	7.38
26 05 33 13-0261 EA 1-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.60 5.03 2.52 5.03	8.38
26 05 33 13-0262 EA 2" x 3-1/2" Long, Rigid Galvanized Steel (RGS), Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.42 5.63 2.82 5.63	9.39
26 05 33 13-0263 EA 2-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.62 6.84 3.42 6.84	11.40
26 05 33 13-0264 EA 3" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.69 9.46 4.73 9.46	15.77
26 05 33 13-0265 EA 1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.92 2.62 1.31 2.62	4.36
26 05 33 13-0266 EA 3/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.45 3.02 1.51 3.02	5.03
26 05 33 13-0267 EA 1" x 4" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.73 3.83 1.91 3.83	6.37
26 05 33 13-0268 EA 1-1/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.18 4.43 2.21 4.43	7.38
26 05 33 13-0269 EA 1-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.85 5.03 2.52 5.03	8.38
26 05 33 13-0270 EA 2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.80 5.63 2.82 5.63	9.39
26 05 33 13-0271 EA 2-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.99 6.84 3.42 6.84	11.40
26 05 33 13-0272 EA 3" x 4" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.46 9.46 4.73 9.46	15.77
26 05 33 13-0273 EA 3-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.64 10.67 5.33 10.67	17.78
26 05 33 13-0274 EA 4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.86 13.88 6.94 13.88	23.15
26 05 33 13-0275 EA 1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.06 2.62 1.31 2.62	4.36
26 05 33 13-0276 EA 3/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.65 3.02 1.51 3.02	5.03
26 05 33 13-0277 EA 1" x 5" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.00 3.83 1.91 3.83	6.37
26 05 33 13-0278 EA 1-1/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.57 4.43 2.21 4.43	7.38
26 05 33 13-0279 EA 1-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.23 5.03 2.52 5.03	8.38



**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0280	EA	2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	23.47	9.39
			<i>For Work In Restricted Working Space, Add</i>	5.63	
			<i>For Installation Above 14', Add</i>	2.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.63	
26 05 33	13-0281	EA	2-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	32.48	11.40
			<i>For Work In Restricted Working Space, Add</i>	6.84	
			<i>For Installation Above 14', Add</i>	3.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.84	
26 05 33	13-0282	EA	3" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	43.08	15.77
			<i>For Work In Restricted Working Space, Add</i>	9.46	
			<i>For Installation Above 14', Add</i>	4.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.46	
26 05 33	13-0283	EA	3-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	49.25	17.78
			<i>For Work In Restricted Working Space, Add</i>	10.67	
			<i>For Installation Above 14', Add</i>	5.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.67	
26 05 33	13-0284	EA	4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	62.20	23.15
			<i>For Work In Restricted Working Space, Add</i>	13.88	
			<i>For Installation Above 14', Add</i>	6.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.88	
26 05 33	13-0285	EA	5" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	94.62	31.86
			<i>For Work In Restricted Working Space, Add</i>	19.12	
			<i>For Installation Above 14', Add</i>	9.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.12	
26 05 33	13-0286	EA	6" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	120.27	40.86
			<i>For Work In Restricted Working Space, Add</i>	24.53	
			<i>For Installation Above 14', Add</i>	12.26	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.53	
26 05 33	13-0287	EA	1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	10.32	4.36
			<i>For Work In Restricted Working Space, Add</i>	2.62	
			<i>For Installation Above 14', Add</i>	1.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.62	
26 05 33	13-0288	EA	3/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	11.92	5.03
			<i>For Work In Restricted Working Space, Add</i>	3.02	
			<i>For Installation Above 14', Add</i>	1.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.02	
26 05 33	13-0289	EA	1" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	15.21	6.37
			<i>For Work In Restricted Working Space, Add</i>	3.83	
			<i>For Installation Above 14', Add</i>	1.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 05 33	13-0290	EA	1-1/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	17.92	7.38
			<i>For Work In Restricted Working Space, Add</i>	4.43	
			<i>For Installation Above 14', Add</i>	2.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.43	
26 05 33	13-0291	EA	1-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	21.02	8.38
			<i>For Work In Restricted Working Space, Add</i>	5.03	
			<i>For Installation Above 14', Add</i>	2.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33	13-0292	EA	2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	24.15	9.39
			<i>For Work In Restricted Working Space, Add</i>	5.63	
			<i>For Installation Above 14', Add</i>	2.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.63	
26 05 33	13-0293	EA	2-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	33.78	11.40
			<i>For Work In Restricted Working Space, Add</i>	6.84	
			<i>For Installation Above 14', Add</i>	3.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.84	
26 05 33	13-0294	EA	3" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	44.72	15.77
			<i>For Work In Restricted Working Space, Add</i>	9.46	
			<i>For Installation Above 14', Add</i>	4.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.46	
26 05 33	13-0295	EA	3-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	51.20	17.78
			<i>For Work In Restricted Working Space, Add</i>	10.67	
			<i>For Installation Above 14', Add</i>	5.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.67	
26 05 33	13-0296	EA	4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	64.06	23.15
			<i>For Work In Restricted Working Space, Add</i>	13.88	
			<i>For Installation Above 14', Add</i>	6.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.88	
26 05 33	13-0297	EA	5" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	97.34	31.86
			<i>For Work In Restricted Working Space, Add</i>	19.12	
			<i>For Installation Above 14', Add</i>	9.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.12	
26 05 33	13-0298	EA	6" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	124.25	40.86
			<i>For Work In Restricted Working Space, Add</i>	24.53	
			<i>For Installation Above 14', Add</i>	12.26	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.53	
26 05 33	13-0299	EA	1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	11.26	4.36
			<i>For Work In Restricted Working Space, Add</i>	2.62	
			<i>For Installation Above 14', Add</i>	1.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.62	
26 05 33	13-0300	EA	3/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	13.12	5.03
			<i>For Work In Restricted Working Space, Add</i>	3.02	
			<i>For Installation Above 14', Add</i>	1.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0301 EA 1" x 8" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.63 3.83 1.91 3.83	6.37
26 05 33 13-0302 EA 1-1/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.94 4.43 2.21 4.43	7.38
26 05 33 13-0303 EA 1-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.28 5.03 2.52 5.03	8.38
26 05 33 13-0304 EA 2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.52 5.63 2.82 5.63	9.39
26 05 33 13-0305 EA 2-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.24 6.84 3.42 6.84	11.40
26 05 33 13-0306 EA 3" x 8" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.69 9.46 4.73 9.46	15.77
26 05 33 13-0307 EA 3-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.16 10.67 5.33 10.67	17.78
26 05 33 13-0308 EA 4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.43 13.88 6.94 13.88	23.15
26 05 33 13-0309 EA 5" x 8" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.65 19.12 9.56 19.12	31.86
26 05 33 13-0310 EA 6" x 8" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	131.34 24.53 12.26 24.53	40.86
26 05 33 13-0311 EA 1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.90 2.62 1.31 2.62	4.36
26 05 33 13-0312 EA 3/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.74 3.02 1.51 3.02	5.03
26 05 33 13-0313 EA 1" x 10" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.76 3.83 1.91 3.83	6.37
26 05 33 13-0314 EA 1-1/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.29 4.43 2.21 4.43	7.38
26 05 33 13-0315 EA 1-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.60 5.03 2.52 5.03	8.38
26 05 33 13-0316 EA 2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.05 5.63 2.82 5.63	9.39
26 05 33 13-0317 EA 2-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.57 6.84 3.42 6.84	11.40
26 05 33 13-0318 EA 3" x 10" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.81 9.46 4.73 9.46	15.77
26 05 33 13-0319 EA 3-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.28 10.67 5.33 10.67	17.78
26 05 33 13-0320 EA 4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.64 13.88 6.94 13.88	23.15
26 05 33 13-0321 EA 5" x 10" Long, Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110.54 19.12 9.56 19.12	31.86

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0322	EA	6" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	143.73	40.86
			<i>For Work In Restricted Working Space, Add</i>	24.53	
			<i>For Installation Above 14', Add</i>	12.26	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.53	
26 05 33	13-0323	EA	1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	12.38	4.36
			<i>For Work In Restricted Working Space, Add</i>	2.62	
			<i>For Installation Above 14', Add</i>	1.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.62	
26 05 33	13-0324	EA	3/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	14.19	5.03
			<i>For Work In Restricted Working Space, Add</i>	3.02	
			<i>For Installation Above 14', Add</i>	1.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.02	
26 05 33	13-0325	EA	1" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	18.44	6.37
			<i>For Work In Restricted Working Space, Add</i>	3.83	
			<i>For Installation Above 14', Add</i>	1.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 05 33	13-0326	EA	1-1/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	22.36	7.38
			<i>For Work In Restricted Working Space, Add</i>	4.43	
			<i>For Installation Above 14', Add</i>	2.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.43	
26 05 33	13-0327	EA	1-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	25.26	8.38
			<i>For Work In Restricted Working Space, Add</i>	5.03	
			<i>For Installation Above 14', Add</i>	2.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33	13-0328	EA	2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	29.34	9.39
			<i>For Work In Restricted Working Space, Add</i>	5.63	
			<i>For Installation Above 14', Add</i>	2.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.63	
26 05 33	13-0329	EA	2-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	42.30	11.40
			<i>For Work In Restricted Working Space, Add</i>	6.84	
			<i>For Installation Above 14', Add</i>	3.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.84	
26 05 33	13-0330	EA	3" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	56.16	15.77
			<i>For Work In Restricted Working Space, Add</i>	9.46	
			<i>For Installation Above 14', Add</i>	4.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.46	
26 05 33	13-0331	EA	3-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	63.28	17.78
			<i>For Work In Restricted Working Space, Add</i>	10.67	
			<i>For Installation Above 14', Add</i>	5.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.67	
26 05 33	13-0332	EA	4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	78.86	23.15
			<i>For Work In Restricted Working Space, Add</i>	13.88	
			<i>For Installation Above 14', Add</i>	6.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.88	
26 05 33	13-0333	EA	5" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	120.43	31.86
			<i>For Work In Restricted Working Space, Add</i>	19.12	
			<i>For Installation Above 14', Add</i>	9.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.12	
26 05 33	13-0334	EA	6" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	150.61	40.86
			<i>For Work In Restricted Working Space, Add</i>	24.53	
			<i>For Installation Above 14', Add</i>	12.26	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.53	
26 05 33	13-0335		<b>Rigid Galvanized Steel (RGS) Off-Set Nipples</b> (26 05 33 13-0059)		
26 05 33	13-0336	EA	1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple	10.17	3.49
			<i>For Work In Restricted Working Space, Add</i>	2.64	
			<i>For Installation Above 14', Add</i>	1.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.64	
26 05 33	13-0337	EA	3/4" Rigid Galvanized Steel (RGS) Off-Set Nipple	12.11	4.02
			<i>For Work In Restricted Working Space, Add</i>	3.00	
			<i>For Installation Above 14', Add</i>	1.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.00	
26 05 33	13-0338	EA	1" Rigid Galvanized Steel (RGS) Off-Set Nipple	15.20	5.09
			<i>For Work In Restricted Working Space, Add</i>	3.84	
			<i>For Installation Above 14', Add</i>	1.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.84	
26 05 33	13-0339	EA	1-1/4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	19.21	6.11
			<i>For Work In Restricted Working Space, Add</i>	4.60	
			<i>For Installation Above 14', Add</i>	2.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.60	
26 05 33	13-0340	EA	1-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	21.04	6.71
			<i>For Work In Restricted Working Space, Add</i>	5.03	
			<i>For Installation Above 14', Add</i>	2.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33	13-0341	EA	2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	27.43	8.25
			<i>For Work In Restricted Working Space, Add</i>	6.20	
			<i>For Installation Above 14', Add</i>	3.10	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.20	
26 05 33	13-0342	EA	2-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	44.81	13.42
			<i>For Work In Restricted Working Space, Add</i>	10.06	
			<i>For Installation Above 14', Add</i>	5.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0343 EA 3" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.88 13.88 6.94 13.88	18.51
26 05 33 13-0344 EA 3-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.94 16.31 8.16 16.31	21.87
26 05 33 13-0345 EA 4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	106.55 18.92 9.46 18.92	25.22
<b>26 05 33 13-0346 Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling</b> <small>(26 05 33 13-0059)</small> Note: Erickson fittings.		
26 05 33 13-0347 EA 1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.65 8.06 4.03 8.06	10.73
26 05 33 13-0348 EA 3/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.26 8.99 4.50 8.99	12.00
26 05 33 13-0349 EA 1" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.61 10.02 5.01 10.02	13.35
26 05 33 13-0350 EA 1-1/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.52 10.97 5.48 10.97	14.62
26 05 33 13-0351 EA 1-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.74 12.00 6.00 12.00	15.97
26 05 33 13-0352 EA 2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.85 12.99 6.50 12.99	17.31
26 05 33 13-0353 EA 2-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.56 16.10 8.05 16.10	21.46
26 05 33 13-0354 EA 3" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	142.80 20.12 10.06 20.12	26.84
26 05 33 13-0355 EA 3-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	206.64 24.16 12.08 24.16	32.20
26 05 33 13-0356 EA 4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	235.51 26.16 13.08 26.16	34.88
26 05 33 13-0357 EA 5" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	411.71 32.20 16.10 32.20	42.93
26 05 33 13-0358 EA 6" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	529.81 37.23 18.61 37.23	49.64
<b>26 05 33 13-0359 Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connectors</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0360 EA 1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	17.11 4.03 2.01	5.37
26 05 33 13-0361 EA 3/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	19.13 4.43 2.21	5.91
26 05 33 13-0362 EA 1" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	21.97 5.03 2.52	6.71
26 05 33 13-0363 EA 1-1/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	24.97 5.43 2.72	7.24
26 05 33 13-0364 EA 1-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	29.70 6.04 3.02	8.05

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0365	EA	2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	36.29 6.64 3.32	8.86
26 05 33	13-0366	EA	2-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	49.52 8.05 4.03	10.73
26 05 33	13-0367	EA	3" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	61.21 10.06 5.03	13.42
26 05 33	13-0368	EA	3-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	73.53 12.08 6.04	16.10
26 05 33	13-0369	EA	4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	83.14 13.08 6.54	17.44
<b>26 05 33 13-0370 Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs (26 05 33 13-0059)</b>					
26 05 33	13-0371	EA	1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.21 3.62 1.81 3.62	6.04
26 05 33	13-0372	EA	3/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.96 4.03 2.01 4.03	6.71
26 05 33	13-0373	EA	1" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.92 5.03 2.52 5.03	8.38
26 05 33	13-0374	EA	1-1/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.77 6.04 3.02 6.04	10.06
26 05 33	13-0375	EA	1-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.03 8.05 4.03 8.05	13.42
26 05 33	13-0376	EA	2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.47 9.06 4.53 9.06	15.09
26 05 33	13-0377	EA	2-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.59 10.06 5.03 10.06	16.77
26 05 33	13-0378	EA	3" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.29 12.68 6.34 12.68	21.13
26 05 33	13-0379	EA	3-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.29 15.30 7.65 15.30	25.49
26 05 33	13-0380	EA	4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.73 18.11 9.06 18.11	30.19
<b>26 05 33 13-0381 Rigid Galvanized Steel (RGS) Expansion Fittings, 4" Conduit Movement (26 05 33 13-0059)</b>					
Note: Type AX					
26 05 33	13-0382	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	85.16 8.05 4.03	10.73
26 05 33	13-0383	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	96.76 9.06 4.53	12.08
26 05 33	13-0384	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	115.45 10.07 5.03	13.42
26 05 33	13-0385	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	142.98 11.07 5.54	14.76
26 05 33	13-0386	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	182.02 12.08 6.04	16.10
26 05 33	13-0387	EA	2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	256.26 13.08 6.54	17.44
26 05 33	13-0388	EA	2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	397.44 16.10 8.05	21.46



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0389 EA 3" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	509.84 20.12 10.06	26.84
26 05 33 13-0390 EA 3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	750.99 24.15 12.08	32.20
26 05 33 13-0391 EA 4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	800.02 26.16 13.08	34.88
26 05 33 13-0392 EA 5" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,235.47 32.20 16.10	42.93
26 05 33 13-0393 EA 6" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,522.57 35.74 17.87	47.63
<b>26 05 33 13-0394 Rigid Galvanized Steel (RGS) Expansion Fittings, 8" Conduit Movement</b> <small>(26 05 33 13-0059)</small> Note: Type AX-8		
26 05 33 13-0395 EA 1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	94.90 8.05 4.03	10.73
26 05 33 13-0396 EA 3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	105.40 9.06 4.53	12.08
26 05 33 13-0397 EA 1" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	129.00 10.07 5.03	13.42
26 05 33 13-0398 EA 1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	164.33 11.07 5.54	14.76
26 05 33 13-0399 EA 1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	224.44 12.08 6.04	16.10
26 05 33 13-0400 EA 2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	276.52 13.08 6.54	17.44
26 05 33 13-0401 EA 2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	528.83 16.10 8.05	21.46
26 05 33 13-0402 EA 3" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	599.56 20.12 10.06	26.84
26 05 33 13-0403 EA 3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	928.29 24.15 12.08	32.20
26 05 33 13-0404 EA 4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,004.95 26.16 13.08	34.88
26 05 33 13-0405 EA 5" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,408.22 32.20 16.10	42.93
26 05 33 13-0406 EA 6" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,744.83 35.74 17.87	47.63
<b>26 05 33 13-0407 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fittings, 8" Conduit Movement</b> <small>(26 05 33 13-0059)</small> Note: Type EX		
26 05 33 13-0408 EA 1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	109.18 8.05 4.03	10.73
26 05 33 13-0409 EA 3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	139.04 9.06 4.53	12.08
26 05 33 13-0410 EA 1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	174.45 10.07 5.03	13.42
26 05 33 13-0411 EA 1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	213.54 11.07 5.54	14.76
26 05 33 13-0412 EA 1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	291.07 12.08 6.04	16.10
26 05 33 13-0413 EA 2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	405.29 13.08 6.54	17.44
26 05 33 13-0414 EA 2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	634.84 16.10 8.05	21.46
26 05 33 13-0415 EA 3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	857.67 20.12 10.06	26.84

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0416	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,295.41	32.20
			<i>For Work In Restricted Working Space, Add</i>	24.15	
			<i>For Installation Above 14', Add</i>	12.08	
26 05 33	13-0417	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,339.34	34.88
			<i>For Work In Restricted Working Space, Add</i>	26.16	
			<i>For Installation Above 14', Add</i>	13.08	
26 05 33	13-0418	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	2,024.62	42.93
			<i>For Work In Restricted Working Space, Add</i>	32.20	
			<i>For Installation Above 14', Add</i>	16.10	
26 05 33	13-0419	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	2,515.13	47.63
			<i>For Work In Restricted Working Space, Add</i>	35.74	
			<i>For Installation Above 14', Add</i>	17.87	
<b>26 05 33 13-0420 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fittings</b> <small>(26 05 33 13-0059)</small>					
Note: Type DX					
26 05 33	13-0421	EA	1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	197.16	10.73
			<i>For Work In Restricted Working Space, Add</i>	8.05	
			<i>For Installation Above 14', Add</i>	4.03	
26 05 33	13-0422	EA	3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	235.54	12.08
			<i>For Work In Restricted Working Space, Add</i>	9.06	
			<i>For Installation Above 14', Add</i>	4.53	
26 05 33	13-0423	EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	285.80	13.42
			<i>For Work In Restricted Working Space, Add</i>	10.07	
			<i>For Installation Above 14', Add</i>	5.03	
26 05 33	13-0424	EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	336.92	14.76
			<i>For Work In Restricted Working Space, Add</i>	11.07	
			<i>For Installation Above 14', Add</i>	5.54	
26 05 33	13-0425	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	372.79	16.10
			<i>For Work In Restricted Working Space, Add</i>	12.08	
			<i>For Installation Above 14', Add</i>	6.04	
26 05 33	13-0426	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	462.99	17.44
			<i>For Work In Restricted Working Space, Add</i>	13.08	
			<i>For Installation Above 14', Add</i>	6.54	
26 05 33	13-0427	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	613.41	21.46
			<i>For Work In Restricted Working Space, Add</i>	16.10	
			<i>For Installation Above 14', Add</i>	8.05	
26 05 33	13-0428	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	778.28	26.84
			<i>For Work In Restricted Working Space, Add</i>	20.12	
			<i>For Installation Above 14', Add</i>	10.06	
26 05 33	13-0429	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	873.86	32.20
			<i>For Work In Restricted Working Space, Add</i>	24.15	
			<i>For Installation Above 14', Add</i>	12.08	
26 05 33	13-0430	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	1,063.52	34.88
			<i>For Work In Restricted Working Space, Add</i>	26.16	
			<i>For Installation Above 14', Add</i>	13.08	
26 05 33	13-0431	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	1,834.41	42.93
			<i>For Work In Restricted Working Space, Add</i>	32.20	
			<i>For Installation Above 14', Add</i>	16.10	
26 05 33	13-0432	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	2,935.77	47.63
			<i>For Work In Restricted Working Space, Add</i>	35.74	
			<i>For Installation Above 14', Add</i>	17.87	
<b>26 05 33 13-0433 Rigid Galvanized Steel (RGS) Conduit Bonding Jumpers</b> <small>(26 05 33 13-0059)</small>					
26 05 33	13-0434	EA	1/2" To 3/4" Conduit, 14" Bonding Jumper.....	48.54	5.37
			<i>For Work In Restricted Working Space, Add</i>	4.03	
			<i>For Installation Above 14', Add</i>	2.01	
26 05 33	13-0435	EA	1" To 1-1/4" Conduit, 14" Bonding Jumper.....	55.43	6.71
			<i>For Work In Restricted Working Space, Add</i>	5.03	
			<i>For Installation Above 14', Add</i>	2.52	
26 05 33	13-0436	EA	1-1/2" To 2" Conduit, 14" Bonding Jumper.....	68.55	8.05
			<i>For Work In Restricted Working Space, Add</i>	6.04	
			<i>For Installation Above 14', Add</i>	3.02	
26 05 33	13-0437	EA	2-1/2" To 3" Conduit, 14" Bonding Jumper.....	96.81	10.73
			<i>For Work In Restricted Working Space, Add</i>	8.05	
			<i>For Installation Above 14', Add</i>	4.03	
26 05 33	13-0438	EA	3-1/2" To 4" Conduit, 14" Bonding Jumper.....	146.82	16.10
			<i>For Work In Restricted Working Space, Add</i>	12.08	
			<i>For Installation Above 14', Add</i>	6.04	
26 05 33	13-0439	EA	5" To 6" Conduit, 14" Bonding Jumper.....	256.13	21.46
			<i>For Work In Restricted Working Space, Add</i>	16.10	
			<i>For Installation Above 14', Add</i>	8.05	
26 05 33	13-0440	EA	1/2" To 3/4" Conduit, 24" Bonding Jumper.....	54.55	5.37
			<i>For Work In Restricted Working Space, Add</i>	4.03	
			<i>For Installation Above 14', Add</i>	2.01	
26 05 33	13-0441	EA	1" To 1-1/4" Conduit, 24" Bonding Jumper.....	63.03	6.71
			<i>For Work In Restricted Working Space, Add</i>	5.03	
			<i>For Installation Above 14', Add</i>	2.52	
26 05 33	13-0442	EA	1-1/2" To 2" Conduit, 24" Bonding Jumper.....	75.51	8.05
			<i>For Work In Restricted Working Space, Add</i>	6.04	
			<i>For Installation Above 14', Add</i>	3.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0443 EA 2-1/2" To 3" Conduit, 24" Bonding Jumper .....	106.05	10.73
<i>For Work In Restricted Working Space, Add</i>	8.05	
<i>For Installation Above 14', Add</i>	4.03	
26 05 33 13-0444 EA 3-1/2" To 4" Conduit, 24" Bonding Jumper .....	159.08	16.10
<i>For Work In Restricted Working Space, Add</i>	12.08	
<i>For Installation Above 14', Add</i>	6.04	
26 05 33 13-0445 EA 5" To 6" Conduit, 24" Bonding Jumper .....	295.67	21.46
<i>For Work In Restricted Working Space, Add</i>	16.10	
<i>For Installation Above 14', Add</i>	8.05	
<b>26 05 33 13-0446 Rigid Galvanized Steel (RGS) Sealing Fittings, Vertical/Horizontal</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0447 EA 1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	59.16	16.77
<i>For Work In Restricted Working Space, Add</i>	10.06	
<i>For Installation Above 14', Add</i>	5.03	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.06	
26 05 33 13-0448 EA 3/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	70.33	20.13
<i>For Work In Restricted Working Space, Add</i>	12.08	
<i>For Installation Above 14', Add</i>	6.04	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.08	
26 05 33 13-0449 EA 1" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	85.62	23.48
<i>For Work In Restricted Working Space, Add</i>	14.09	
<i>For Installation Above 14', Add</i>	7.04	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.09	
26 05 33 13-0450 EA 1-1/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal .....	100.62	26.84
<i>For Work In Restricted Working Space, Add</i>	16.10	
<i>For Installation Above 14', Add</i>	8.05	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.10	
26 05 33 13-0451 EA 1-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal .....	131.07	30.19
<i>For Work In Restricted Working Space, Add</i>	18.11	
<i>For Installation Above 14', Add</i>	9.06	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.11	
26 05 33 13-0452 EA 2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	158.67	33.54
<i>For Work In Restricted Working Space, Add</i>	20.12	
<i>For Installation Above 14', Add</i>	10.06	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.12	
26 05 33 13-0453 EA 2-1/2" Rigid Galvanized Steel (RGS) Conduit Sealing Fitting, Vertical/Horizontal .....	222.80	40.25
<i>For Work In Restricted Working Space, Add</i>	24.15	
<i>For Installation Above 14', Add</i>	12.08	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.15	
26 05 33 13-0454 EA 3" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	267.73	46.96
<i>For Work In Restricted Working Space, Add</i>	28.17	
<i>For Installation Above 14', Add</i>	14.09	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.17	
26 05 33 13-0455 EA 3-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal .....	608.65	53.67
<i>For Work In Restricted Working Space, Add</i>	32.20	
<i>For Installation Above 14', Add</i>	16.10	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.20	
26 05 33 13-0456 EA 4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	700.95	60.38
<i>For Work In Restricted Working Space, Add</i>	36.23	
<i>For Installation Above 14', Add</i>	18.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.23	
<b>26 05 33 13-0457 Rigid Galvanized Steel (RGS) Threaded Couplings</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0458 EA 1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	8.98	4.02
<i>For Work In Restricted Working Space, Add</i>	2.42	
<i>For Installation Above 14', Add</i>	1.21	
26 05 33 13-0459 EA 3/4" Rigid Galvanized Steel (RGS) Threaded Coupling.....	12.57	5.71
<i>For Work In Restricted Working Space, Add</i>	3.42	
<i>For Installation Above 14', Add</i>	1.71	
26 05 33 13-0460 EA 1" Rigid Galvanized Steel (RGS) Threaded Coupling.....	16.54	7.38
<i>For Work In Restricted Working Space, Add</i>	4.43	
<i>For Installation Above 14', Add</i>	2.21	
26 05 33 13-0461 EA 1-1/4" Rigid Galvanized Steel (RGS) Threaded Coupling.....	19.02	8.38
<i>For Work In Restricted Working Space, Add</i>	5.03	
<i>For Installation Above 14', Add</i>	2.52	
26 05 33 13-0462 EA 1-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	22.94	10.06
<i>For Work In Restricted Working Space, Add</i>	6.04	
<i>For Installation Above 14', Add</i>	3.02	
26 05 33 13-0463 EA 2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	27.00	11.40
<i>For Work In Restricted Working Space, Add</i>	6.84	
<i>For Installation Above 14', Add</i>	3.42	
26 05 33 13-0464 EA 2-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	34.90	12.75
<i>For Work In Restricted Working Space, Add</i>	7.65	
<i>For Installation Above 14', Add</i>	3.82	
26 05 33 13-0465 EA 3" Rigid Galvanized Steel (RGS) Threaded Coupling.....	41.07	14.42
<i>For Work In Restricted Working Space, Add</i>	8.65	
<i>For Installation Above 14', Add</i>	4.33	
26 05 33 13-0466 EA 3-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	48.06	15.77
<i>For Work In Restricted Working Space, Add</i>	9.46	
<i>For Installation Above 14', Add</i>	4.73	
26 05 33 13-0467 EA 4" Threaded Rigid Galvanized Steel (RGS) Coupling.....	50.75	16.77
<i>For Work In Restricted Working Space, Add</i>	10.06	
<i>For Installation Above 14', Add</i>	5.03	



**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 33 13-0468 Rigid Galvanized Steel (RGS) Sealing Locknut</b> (26 05 33 13-0059)		
26 05 33 13-0469 EA 1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	2.16	0.67
26 05 33 13-0470 EA 3/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	2.97	1.00
26 05 33 13-0471 EA 1" Rigid Galvanized Steel (RGS) Sealing Locknut.....	4.92	1.67
26 05 33 13-0472 EA 1-1/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	7.14	2.35
26 05 33 13-0473 EA 1-1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	8.60	2.69
26 05 33 13-0474 EA 2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	10.15	3.02
<b>26 05 33 13-0475 Rigid Galvanized Steel (RGS) Fire Stop Fittings</b> (26 05 33 13-0059)		
26 05 33 13-0476 EA 1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	122.40	8.14
For Work In Restricted Working Space, Add	6.11	
For Installation Above 14', Add	3.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.11	
26 05 33 13-0477 EA 3/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	124.36	8.93
For Work In Restricted Working Space, Add	6.69	
For Installation Above 14', Add	3.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.69	
26 05 33 13-0478 EA 1" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	149.34	9.80
For Work In Restricted Working Space, Add	7.33	
For Installation Above 14', Add	3.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.33	
26 05 33 13-0479 EA 1-1/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	163.95	10.73
For Work In Restricted Working Space, Add	8.06	
For Installation Above 14', Add	4.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.06	
26 05 33 13-0480 EA 1-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	187.08	12.08
For Work In Restricted Working Space, Add	9.06	
For Installation Above 14', Add	4.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.06	
26 05 33 13-0481 EA 2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	277.27	13.42
For Work In Restricted Working Space, Add	10.07	
For Installation Above 14', Add	5.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.07	
26 05 33 13-0482 EA 2-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	318.92	17.91
For Work In Restricted Working Space, Add	13.43	
For Installation Above 14', Add	6.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.43	
26 05 33 13-0483 EA 3" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	353.81	19.66
For Work In Restricted Working Space, Add	14.75	
For Installation Above 14', Add	7.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.75	
26 05 33 13-0484 EA 3-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	411.63	21.46
For Work In Restricted Working Space, Add	16.10	
For Installation Above 14', Add	8.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.10	
26 05 33 13-0485 EA 4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	464.02	24.15
For Work In Restricted Working Space, Add	18.11	
For Installation Above 14', Add	9.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.11	
26 05 33 13-0486 EA 5" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	623.04	26.84
For Work In Restricted Working Space, Add	20.12	
For Installation Above 14', Add	10.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.12	
26 05 33 13-0487 EA 6" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	775.14	29.79
For Work In Restricted Working Space, Add	22.34	
For Installation Above 14', Add	11.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.34	
<b>26 05 33 13-0488 Rigid Galvanized Steel (RGS) Reducing Bushings</b> (26 05 33 13-0059)		
26 05 33 13-0489 EA 3/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	11.04	5.20
For Work In Restricted Working Space, Add	3.12	
For Installation Above 14', Add	1.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.12	
26 05 33 13-0490 EA 1" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	12.24	5.54
For Work In Restricted Working Space, Add	3.32	
For Installation Above 14', Add	1.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.32	
26 05 33 13-0491 EA 1" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	12.57	5.71
For Work In Restricted Working Space, Add	3.42	
For Installation Above 14', Add	1.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.42	
26 05 33 13-0492 EA 1-1/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	14.77	5.87
For Work In Restricted Working Space, Add	3.52	
For Installation Above 14', Add	1.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.52	
26 05 33 13-0493 EA 1-1/4" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	15.11	6.04
For Work In Restricted Working Space, Add	3.62	
For Installation Above 14', Add	1.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0494 EA 1-1/4" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	15.78 3.83 1.91 3.83	6.37
26 05 33 13-0495 EA 1-1/2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.09 4.03 2.01 4.03	6.71
26 05 33 13-0496 EA 1-1/2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.42 4.13 2.06 4.13	6.88
26 05 33 13-0497 EA 1-1/2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.09 4.33 2.16 4.33	7.21
26 05 33 13-0498 EA 1-1/2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.76 4.53 2.26 4.53	7.54
26 05 33 13-0499 EA 2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.15 4.53 2.26 4.53	7.54
26 05 33 13-0500 EA 2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.48 4.63 2.31 4.63	7.71
26 05 33 13-0501 EA 2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.16 4.83 2.42 4.83	8.05
26 05 33 13-0502 EA 2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.83 5.03 2.52 5.03	8.38
26 05 33 13-0503 EA 2" x 1-1/2" Rigid Galvanized Steel (RGS) Reducing Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.50 5.53 2.77 5.53	9.23
26 05 33 13-0504 EA 2-1/2" x 2" Rigid Galvanized Steel (RGS) Reducing Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.75 6.54 3.27 6.54	10.90
<b>26 05 33 13-0505 Rigid Galvanized Steel (RGS) Locknuts</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0506 EA 1/2" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1.40 0.40 0.20	0.67
26 05 33 13-0507 EA 3/4" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	2.10 0.61 0.30	1.00
26 05 33 13-0508 EA 1" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	3.49 1.01 0.50	1.67
26 05 33 13-0509 EA 1-1/4" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	4.91 1.41 0.70	2.35
26 05 33 13-0510 EA 1-1/2" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	5.66 1.61 0.81	2.69
26 05 33 13-0511 EA 2" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	6.40 1.81 0.91	3.02
26 05 33 13-0512 EA 2-1/2" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	9.01 2.42 1.21	4.02
26 05 33 13-0513 EA 3" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	11.11 3.02 1.51	5.03
26 05 33 13-0514 EA 3-1/2" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	13.15 3.42 1.71	5.71
26 05 33 13-0515 EA 4" Rigid Galvanized Steel (RGS) Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	14.77 3.83 1.91	6.37
<b>26 05 33 13-0516 Rigid Galvanized Steel (RGS) Grounding Locknuts</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0517 EA 1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	2.22 0.40 0.20	0.67

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0518 EA 3/4" Rigid Galvanized Steel (RGS) Grounding Locknuts ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	3.07 0.61 0.30	1.00
26 05 33 13-0519 EA 1" Rigid Galvanized Steel (RGS) Grounding Locknuts ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	4.85 1.01 0.50	1.67
26 05 33 13-0520 EA 1-1/4" Rigid Galvanized Steel (RGS) Grounding Locknuts ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	6.78 1.41 0.70	2.35
26 05 33 13-0521 EA 1-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	7.66 1.61 0.81	2.69
26 05 33 13-0522 EA 2" Rigid Galvanized Steel (RGS) Grounding Locknuts ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	9.02 1.81 0.91	3.02
26 05 33 13-0523 EA 2-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	13.59 2.42 1.21	4.02
26 05 33 13-0524 EA 3" Rigid Galvanized Steel (RGS) Grounding Locknuts ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	17.10 3.02 1.51	5.03
26 05 33 13-0525 EA 3-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	22.82 3.42 1.71	5.71
26 05 33 13-0526 EA 4" Rigid Galvanized Steel (RGS) Grounding Locknuts ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	27.48 3.83 1.91	6.37
<b>26 05 33 13-0527 Rigid Galvanized Steel (RGS) Insulated Ground Bushing</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0528 EA 1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	6.21 1.21 0.60	2.02
26 05 33 13-0529 EA 3/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	7.74 1.61 0.81	2.69
26 05 33 13-0530 EA 1" Rigid Galvanized Steel (RGS) Insulated Ground Bushing ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	9.91 2.01 1.01	3.35
26 05 33 13-0531 EA 1-1/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	14.30 3.22 1.61	5.37
26 05 33 13-0532 EA 1-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	16.12 3.62 1.81	6.04
26 05 33 13-0533 EA 2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	18.37 4.03 2.01	6.71
26 05 33 13-0534 EA 2-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	25.67 4.83 2.42	8.05
26 05 33 13-0535 EA 3" Rigid Galvanized Steel (RGS) Insulated Ground Bushing ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	31.09 6.04 3.02	10.06
26 05 33 13-0536 EA 3-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	38.16 8.05 4.03	13.42
26 05 33 13-0537 EA 4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	46.33 10.06 5.03	16.77
<b>26 05 33 13-0538 Rigid Galvanized Steel (RGS) Threadless Compression Connectors</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0539 EA 1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	13.61 3.62 1.81	6.04
26 05 33 13-0540 EA 3/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	15.89 4.03 2.01	6.71
26 05 33 13-0541 EA 1" Rigid Galvanized Steel (RGS) Threadless Compression Connectors ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	20.63 5.03 2.52	8.38
26 05 33 13-0542 EA 1-1/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	27.39 6.04 3.02	10.06
26 05 33 13-0543 EA 1-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	36.89 8.05 4.03	13.42
26 05 33 13-0544 EA 2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	52.83 10.06 5.03	16.77
26 05 33 13-0545 EA 2-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	84.74 12.08 6.04	20.13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0546 EA 3" Rigid Galvanized Steel (RGS) Threadless Compression Connectors ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	105.94 14.09 7.04	23.48
26 05 33 13-0547 EA 3-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	134.11 17.11 8.55	28.51
26 05 33 13-0548 EA 4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	161.44 20.12 10.06	33.54
<b>26 05 33 13-0549 Rigid Galvanized Steel (RGS) Compression Coupling</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0550 EA 1/2" Rigid Galvanized Steel (RGS) Compression Coupling ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	19.24 5.03 2.52	8.38
26 05 33 13-0551 EA 3/4" Rigid Galvanized Steel (RGS) Compression Coupling ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	24.10 6.04 3.02	10.06
26 05 33 13-0552 EA 1" Rigid Galvanized Steel (RGS) Compression Coupling ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	33.76 8.05 4.03	13.42
26 05 33 13-0553 EA 1-1/4" Rigid Galvanized Steel (RGS) Compression Coupling ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	43.78 10.06 5.03	16.77
26 05 33 13-0554 EA 1-1/2" Rigid Galvanized Steel (RGS) Compression Coupling ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	53.59 12.08 6.04	20.13
26 05 33 13-0555 EA 2" Rigid Galvanized Steel (RGS) Compression Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	76.13 14.09 7.04	23.48
26 05 33 13-0556 EA 2-1/2" Rigid Galvanized Steel (RGS) Compression Coupling ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	115.10 16.10 8.05	26.84
26 05 33 13-0557 EA 3" Rigid Galvanized Steel (RGS) Compression Coupling ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	127.67 13.88 6.94	23.15
26 05 33 13-0558 EA 3-1/2" Rigid Galvanized Steel (RGS) Compression Coupling ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	177.58 21.13 10.56	35.22
26 05 33 13-0559 EA 4" Rigid Galvanized Steel (RGS) Compression Coupling ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	217.60 24.15 12.08	40.25
<b>26 05 33 13-0560 Zinc Plated Steel Snap-in Knock Out Seal</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0561 EA 1/2" Zinc Plated Steel Snap-in Knock Out Seal ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	3.54 1.01 0.50	1.67
26 05 33 13-0562 EA 3/4" Zinc Plated Steel Snap-in Knock Out Seal ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	4.26 1.21 0.60	2.02
26 05 33 13-0563 EA 1" Zinc Plated Steel Snap-in Knock Out Seal ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	5.08 1.41 0.70	2.35
26 05 33 13-0564 EA 1-1/4" Zinc Plated Steel Snap-in Knock Out Seal ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	6.55 1.81 0.91	3.02
26 05 33 13-0565 EA 1-1/2" Zinc Plated Steel Snap-in Knock Out Seal ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	7.41 2.01 1.01	3.35
26 05 33 13-0566 EA 2" Zinc Plated Steel Snap-in Knock Out Seal ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	9.04 2.42 1.21	4.02
<b>26 05 33 13-0567 Zinc Plated Steel 3-Piece Knock Out Seal</b> <small>(26 05 33 13-0059)</small>		
26 05 33 13-0568 EA 1/2" Zinc Plated Steel 3-Piece Knock Out Seal ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	4.46 1.01 0.50	1.67
26 05 33 13-0569 EA 3/4" Zinc Plated Steel 3-Piece Knock Out Seal ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	5.31 1.21 0.60	2.02
26 05 33 13-0570 EA 1" Zinc Plated Steel 3-Piece Knock Out Seal ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	6.47 1.41 0.70	2.35
26 05 33 13-0571 EA 1-1/4" Zinc Plated Steel 3-Piece Knock Out Seal ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	8.33 1.81 0.91	3.02
26 05 33 13-0572 EA 1-1/2" Zinc Plated Steel 3-Piece Knock Out Seal ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	10.37 2.01 1.01	3.35
26 05 33 13-0573 EA 2" Zinc Plated Steel 3-Piece Knock Out Seal ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	12.55 2.42 1.21	4.02

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0574	EA	2-1/2" Zinc Plated Steel 3-Piece Knock Out Seal .....	15.36	5.03
			<i>For Work In Restricted Working Space, Add</i>	3.02	
			<i>For Installation Above 14', Add</i>	1.51	
26 05 33	13-0575	EA	3" Zinc Plated Steel 3-Piece Knock Out Seal.....	18.02	5.71
			<i>For Work In Restricted Working Space, Add</i>	3.42	
			<i>For Installation Above 14', Add</i>	1.71	
26 05 33	13-0576	EA	3-1/2" Zinc Plated Steel 3-Piece Knock Out Seal .....	22.07	6.37
			<i>For Work In Restricted Working Space, Add</i>	3.83	
			<i>For Installation Above 14', Add</i>	1.91	
26 05 33	13-0577	EA	4" Zinc Plated Steel 3-Piece Knock Out Seal.....	26.05	7.04
			<i>For Work In Restricted Working Space, Add</i>	4.23	
			<i>For Installation Above 14', Add</i>	2.11	
<b>26 05 33 13-0578 Rigid Galvanized Steel (RGS) Chase Nipples (26 05 33 13-0059)</b>					
26 05 33	13-0579	EA	1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	8.33	4.02
			<i>For Work In Restricted Working Space, Add</i>	2.42	
			<i>For Installation Above 14', Add</i>	1.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.42	
26 05 33	13-0580	EA	3/4" Rigid Galvanized Steel (RGS) Chase Nipple.....	9.86	4.69
			<i>For Work In Restricted Working Space, Add</i>	2.82	
			<i>For Installation Above 14', Add</i>	1.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.82	
26 05 33	13-0581	EA	1" Rigid Galvanized Steel (RGS) Chase Nipple.....	12.44	5.71
			<i>For Work In Restricted Working Space, Add</i>	3.42	
			<i>For Installation Above 14', Add</i>	1.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.42	
26 05 33	13-0582	EA	1-1/4" Rigid Galvanized Steel (RGS) Chase Nipple.....	15.22	6.71
			<i>For Work In Restricted Working Space, Add</i>	4.03	
			<i>For Installation Above 14', Add</i>	2.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.03	
26 05 33	13-0583	EA	1-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	19.08	8.38
			<i>For Work In Restricted Working Space, Add</i>	5.03	
			<i>For Installation Above 14', Add</i>	2.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33	13-0584	EA	2" Rigid Galvanized Steel (RGS) Chase Nipple.....	23.88	10.06
			<i>For Work In Restricted Working Space, Add</i>	6.04	
			<i>For Installation Above 14', Add</i>	3.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.04	
26 05 33	13-0585	EA	2-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	30.62	11.74
			<i>For Work In Restricted Working Space, Add</i>	7.04	
			<i>For Installation Above 14', Add</i>	3.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.04	
26 05 33	13-0586	EA	3" Rigid Galvanized Steel (RGS) Chase Nipple.....	34.16	13.42
			<i>For Work In Restricted Working Space, Add</i>	8.05	
			<i>For Installation Above 14', Add</i>	4.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.05	
26 05 33	13-0587	EA	3-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	43.14	15.09
			<i>For Work In Restricted Working Space, Add</i>	9.06	
			<i>For Installation Above 14', Add</i>	4.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.06	
26 05 33	13-0588	EA	4" Rigid Galvanized Steel (RGS) Chase Nipple.....	60.67	16.77
			<i>For Work In Restricted Working Space, Add</i>	10.06	
			<i>For Installation Above 14', Add</i>	5.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.06	
<b>26 05 33 13-0589 Rigid Galvanized Steel (RGS) Pulling Elbow (26 05 33 13-0059)</b>					
26 05 33	13-0590	EA	1/2" Rigid Galvanized Steel (RGS) Pulling Elbow .....	17.00	6.04
			<i>For Work In Restricted Working Space, Add</i>	3.62	
			<i>For Installation Above 14', Add</i>	1.81	
26 05 33	13-0591	EA	3/4" Rigid Galvanized Steel (RGS) Pulling Elbow.....	19.74	7.04
			<i>For Work In Restricted Working Space, Add</i>	4.23	
			<i>For Installation Above 14', Add</i>	2.11	
26 05 33	13-0592	EA	1" Rigid Galvanized Steel (RGS) Pulling Elbow.....	25.48	8.05
			<i>For Work In Restricted Working Space, Add</i>	4.83	
			<i>For Installation Above 14', Add</i>	2.42	
26 05 33	13-0593	EA	1-1/4" Rigid Galvanized Steel (RGS) Pulling Elbow.....	32.76	10.06
			<i>For Work In Restricted Working Space, Add</i>	6.04	
			<i>For Installation Above 14', Add</i>	3.02	
26 05 33	13-0594	EA	1-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	44.20	12.08
			<i>For Work In Restricted Working Space, Add</i>	7.25	
			<i>For Installation Above 14', Add</i>	3.62	
26 05 33	13-0595	EA	2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	59.90	14.09
			<i>For Work In Restricted Working Space, Add</i>	8.45	
			<i>For Installation Above 14', Add</i>	4.23	
26 05 33	13-0596	EA	2-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	84.58	16.10
			<i>For Work In Restricted Working Space, Add</i>	9.66	
			<i>For Installation Above 14', Add</i>	4.83	
26 05 33	13-0597	EA	3" Rigid Galvanized Steel (RGS) Pulling Elbow.....	151.22	20.13
			<i>For Work In Restricted Working Space, Add</i>	12.08	
			<i>For Installation Above 14', Add</i>	6.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0598 <b>Electrical Metallic Tubing (EMT) Thinwall Conduit</b> <small>(26 05 33 13-0058)</small> Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0599 <b>Electrical Metallic Tubing (EMT) Thinwall Conduit</b> <small>(26 05 33 13-0598)</small> Note: Includes field bending conduit up to and including 1".		
26 05 33 13-0600 LF 1/2" Electrical Metallic Tubing (EMT) Conduit.....	3.47	1.20
For >250 To 500, Deduct	-0.02	
For >500 To 1,000, Deduct	-0.18	
For >1,000, Deduct	-0.27	
For Installation In Metal Stud Wall, Add	0.30	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.76	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.45	
For Work In Restricted Working Space, Add	0.91	
For Installation Above 14', Add	0.45	
For Factory Applied Color Coating, Add	0.14	
26 05 33 13-0601 LF 3/4" Electrical Metallic Tubing (EMT) Conduit.....	4.05	1.34
For >250 To 500, Deduct	-0.04	
For >500 To 1,000, Deduct	-0.22	
For >1,000, Deduct	-0.32	
For Installation In Metal Stud Wall, Add	0.34	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.84	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.50	
For Work In Restricted Working Space, Add	1.01	
For Installation Above 14', Add	0.50	
For Factory Applied Color Coating, Add	0.21	
26 05 33 13-0602 LF 1" Electrical Metallic Tubing (EMT) Conduit.....	4.86	1.47
For >250 To 500, Deduct	-0.06	
For >500 To 1,000, Deduct	-0.27	
For >1,000, Deduct	-0.39	
For Installation In Metal Stud Wall, Add	0.37	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.92	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.55	
For Work In Restricted Working Space, Add	1.11	
For Installation Above 14', Add	0.55	
For Factory Applied Color Coating, Add	0.35	
26 05 33 13-0603 LF 1-1/4" Electrical Metallic Tubing (EMT) Conduit .....	6.00	1.66
For >250 To 500, Deduct	-0.09	
For >500 To 1,000, Deduct	-0.35	
For >1,000, Deduct	-0.50	
For Installation In Metal Stud Wall, Add	0.42	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.04	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.62	
For Work In Restricted Working Space, Add	1.25	
For Installation Above 14', Add	0.62	
For Factory Applied Color Coating, Add	0.55	
26 05 33 13-0604 LF 1-1/2" Electrical Metallic Tubing (EMT) Conduit .....	6.99	1.88
For >250 To 500, Deduct	-0.12	
For >500 To 1,000, Deduct	-0.41	
For >1,000, Deduct	-0.58	
For Installation In Metal Stud Wall, Add	0.47	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.17	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.70	
For Work In Restricted Working Space, Add	1.41	
For Installation Above 14', Add	0.70	
For Factory Applied Color Coating, Add	0.69	
26 05 33 13-0605 LF 2" Electrical Metallic Tubing (EMT) Conduit.....	8.09	2.15
For >250 To 500, Deduct	-0.14	
For >500 To 1,000, Deduct	-0.47	
For >1,000, Deduct	-0.67	
For Installation In Metal Stud Wall, Add	0.54	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.34	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.81	
For Work In Restricted Working Space, Add	1.61	
For Installation Above 14', Add	0.81	
For Factory Applied Color Coating, Add	0.82	
26 05 33 13-0606 LF 2-1/2" Electrical Metallic Tubing (EMT) Conduit .....	10.40	2.55
For >250 To 500, Deduct	-0.20	
For >500 To 1,000, Deduct	-0.62	
For >1,000, Deduct	-0.88	
For Installation In Metal Stud Wall, Add	0.64	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.59	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.96	
For Work In Restricted Working Space, Add	1.91	
For Installation Above 14', Add	0.96	
For Factory Applied Color Coating, Add	1.21	
26 05 33 13-0607 LF 3" Electrical Metallic Tubing (EMT) Conduit.....	12.43	2.95
For >250 To 500, Deduct	-0.25	
For >500 To 1,000, Deduct	-0.75	
For >1,000, Deduct	-1.06	
For Installation In Metal Stud Wall, Add	0.74	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.85	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.11	
For Work In Restricted Working Space, Add	2.21	
For Installation Above 14', Add	1.11	
For Factory Applied Color Coating, Add	1.52	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0608 LF 3-1/2" Electrical Metallic Tubing (EMT) Conduit.....	15.48	3.49
For >250 To 500, Deduct	-0.34	
For >500 To 1,000, Deduct	-0.94	
For >1,000, Deduct	-1.33	
For Installation In Metal Stud Wall, Add	0.87	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.18	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.31	
For Work In Restricted Working Space, Add	2.62	
For Installation Above 14', Add	1.31	
For Factory Applied Color Coating, Add	2.03	
26 05 33 13-0609 LF 4" Electrical Metallic Tubing (EMT) Conduit.....	20.13	5.28
For >250 To 500, Deduct	-0.35	
For >500 To 1,000, Deduct	-1.18	
For >1,000, Deduct	-1.68	
For Installation In Metal Stud Wall, Add	1.32	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.31	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.98	
For Work In Restricted Working Space, Add	3.97	
For Installation Above 14', Add	1.98	
For Factory Applied Color Coating, Add	2.07	
<b>26 05 33 13-0610 Electrical Metallic Tubing (EMT) 90 Degree Elbows</b> <small>(26 05 33 13-0598)</small>		
See CSI section 26 05 33 13-2245 for conduit field bending.		
26 05 33 13-0611 EA 1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	8.76	2.95
For Work In Restricted Working Space, Add	2.21	
For Installation Above 14', Add	1.11	
26 05 33 13-0612 EA 3/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	9.28	3.22
For Work In Restricted Working Space, Add	2.42	
For Installation Above 14', Add	1.21	
26 05 33 13-0613 EA 1" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	11.32	3.76
For Work In Restricted Working Space, Add	2.82	
For Installation Above 14', Add	1.41	
26 05 33 13-0614 EA 1-1/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	12.46	4.02
For Work In Restricted Working Space, Add	3.02	
For Installation Above 14', Add	1.51	
26 05 33 13-0615 EA 1-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	14.78	4.83
For Work In Restricted Working Space, Add	3.62	
For Installation Above 14', Add	1.81	
26 05 33 13-0616 EA 2" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	19.41	6.17
For Work In Restricted Working Space, Add	4.63	
For Installation Above 14', Add	2.31	
26 05 33 13-0617 EA 2-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	26.26	6.98
For Work In Restricted Working Space, Add	5.23	
For Installation Above 14', Add	2.62	
26 05 33 13-0618 EA 3" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	33.70	7.78
For Work In Restricted Working Space, Add	5.84	
For Installation Above 14', Add	2.92	
26 05 33 13-0619 EA 3-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	38.30	8.58
For Work In Restricted Working Space, Add	6.44	
For Installation Above 14', Add	3.22	
26 05 33 13-0620 EA 4" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	80.69	23.12
For Work In Restricted Working Space, Add	17.34	
For Installation Above 14', Add	8.67	
<b>26 05 33 13-0621 Electrical Metallic Tubing (EMT) 45 Degree Elbows</b> <small>(26 05 33 13-0598)</small>		
See CSI section 26 05 33 13-2245 for conduit field bending.		
26 05 33 13-0622 EA 1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	8.62	2.95
For Work In Restricted Working Space, Add	2.21	
For Installation Above 14', Add	1.11	
26 05 33 13-0623 EA 3/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	9.37	3.22
For Work In Restricted Working Space, Add	2.42	
For Installation Above 14', Add	1.21	
26 05 33 13-0624 EA 1" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	11.52	3.76
For Work In Restricted Working Space, Add	2.82	
For Installation Above 14', Add	1.41	
26 05 33 13-0625 EA 1-1/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	12.83	4.02
For Work In Restricted Working Space, Add	3.02	
For Installation Above 14', Add	1.51	
26 05 33 13-0626 EA 1-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	15.25	4.83
For Work In Restricted Working Space, Add	3.62	
For Installation Above 14', Add	1.81	
26 05 33 13-0627 EA 2" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	19.26	6.17
For Work In Restricted Working Space, Add	4.63	
For Installation Above 14', Add	2.31	
26 05 33 13-0628 EA 2-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	27.61	6.98
For Work In Restricted Working Space, Add	5.23	
For Installation Above 14', Add	2.62	
26 05 33 13-0629 EA 3" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	34.77	7.78
For Work In Restricted Working Space, Add	5.84	
For Installation Above 14', Add	2.92	
26 05 33 13-0630 EA 3-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	41.21	8.58
For Work In Restricted Working Space, Add	6.44	
For Installation Above 14', Add	3.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0631 EA 4" Electrical Metallic Tubing (EMT) 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	78.65 17.34 8.67	23.12
<b>26 05 33 13-0632 Electrical Metallic Tubing (EMT) Set Screw Couplings</b> <small>(26 05 33 13-0598)</small>		
26 05 33 13-0633 EA 1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	3.51 1.01 0.50	1.61
26 05 33 13-0634 EA 3/4" Electrical Metallic Tubing (EMT) Set Screw Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	4.25 1.21 0.60	1.61
26 05 33 13-0635 EA 1" Electrical Metallic Tubing (EMT) Set Screw Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	5.05 1.41 0.70	1.88
26 05 33 13-0636 EA 1-1/4" Electrical Metallic Tubing (EMT) Set Screw Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	6.82 1.81 0.91	2.42
26 05 33 13-0637 EA 1-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	8.41 2.21 1.11	2.95
26 05 33 13-0638 EA 2" Electrical Metallic Tubing (EMT) Set Screw Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	11.43 3.02 1.51	4.02
26 05 33 13-0639 EA 2-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	15.82 4.03 2.01	5.37
26 05 33 13-0640 EA 3" Electrical Metallic Tubing (EMT) Set Screw Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	20.49 5.03 2.52	6.17
26 05 33 13-0641 EA 3-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	23.08 6.04 3.02	6.71
26 05 33 13-0642 EA 4" Electrical Metallic Tubing (EMT) Set Screw Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	67.27 18.60 9.30	19.15
<b>26 05 33 13-0643 Electrical Metallic Tubing (EMT) Compression Couplings</b> <small>(26 05 33 13-0598)</small>		
26 05 33 13-0644 EA 1/2 Electrical Metallic Tubing (EMT) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	4.41 1.21 0.60	1.61
26 05 33 13-0645 EA 3/4" Electrical Metallic Tubing (EMT) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	5.12 1.41 0.70	1.88
26 05 33 13-0646 EA 1" Electrical Metallic Tubing (EMT) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	7.31 2.01 1.01	2.69
26 05 33 13-0647 EA 1-1/4" Electrical Metallic Tubing (EMT) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	9.31 2.42 1.21	3.22
26 05 33 13-0648 EA 1-1/2" Electrical Metallic Tubing (EMT) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	11.16 2.82 1.41	3.76
26 05 33 13-0649 EA 2" Electrical Metallic Tubing (EMT) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	14.87 3.62 1.81	4.83
26 05 33 13-0650 EA 2-1/2" Electrical Metallic Tubing (EMT) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	23.38 4.83 2.42	6.44
26 05 33 13-0651 EA 3" Electrical Metallic Tubing (EMT) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	27.05 5.63 2.82	7.51
26 05 33 13-0652 EA 3-1/2" Electrical Metallic Tubing (EMT) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	33.83 7.04 3.52	9.39
26 05 33 13-0653 EA 4" Electrical Metallic Tubing (EMT) Compression Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	43.38 9.06 4.53	12.08
<b>26 05 33 13-0654 Electrical Metallic Tubing (EMT) Straight Box Connectors With Set Screw</b> <small>(26 05 33 13-0598)</small>		
26 05 33 13-0655 EA 1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.48 1.01 0.50 1.01	1.34
26 05 33 13-0656 EA 3/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22 1.21 0.60 1.21	1.61
26 05 33 13-0657 EA 1" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.05 1.41 0.70 1.41	1.88



**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0658	EA	1-1/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	7.37	2.69
			<i>For Work In Restricted Working Space, Add</i>	2.01	
			<i>For Installation Above 14', Add</i>	1.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.01	
26 05 33	13-0659	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	9.00	3.22
			<i>For Work In Restricted Working Space, Add</i>	2.42	
			<i>For Installation Above 14', Add</i>	1.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.42	
26 05 33	13-0660	EA	2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	11.47	4.02
			<i>For Work In Restricted Working Space, Add</i>	3.02	
			<i>For Installation Above 14', Add</i>	1.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.02	
26 05 33	13-0661	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	17.35	5.37
			<i>For Work In Restricted Working Space, Add</i>	4.03	
			<i>For Installation Above 14', Add</i>	2.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.03	
26 05 33	13-0662	EA	3" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	21.58	6.71
			<i>For Work In Restricted Working Space, Add</i>	5.03	
			<i>For Installation Above 14', Add</i>	2.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33	13-0663	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	25.53	8.05
			<i>For Work In Restricted Working Space, Add</i>	6.04	
			<i>For Installation Above 14', Add</i>	3.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.04	
26 05 33	13-0664	EA	4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	29.73	9.39
			<i>For Work In Restricted Working Space, Add</i>	7.04	
			<i>For Installation Above 14', Add</i>	3.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.04	
<b>26 05 33 13-0665 Electrical Metallic Tubing (EMT) Insulated Straight Box Connectors With Set Screw</b> <small>(26 05 33 13-0598)</small>					
26 05 33	13-0666	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	4.70	1.82
			<i>For Work In Restricted Working Space, Add</i>	1.35	
			<i>For Installation Above 14', Add</i>	0.67	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.35	
26 05 33	13-0667	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	5.23	1.95
			<i>For Work In Restricted Working Space, Add</i>	1.47	
			<i>For Installation Above 14', Add</i>	0.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.47	
26 05 33	13-0668	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	6.57	2.42
			<i>For Work In Restricted Working Space, Add</i>	1.79	
			<i>For Installation Above 14', Add</i>	0.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.79	
26 05 33	13-0669	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	8.64	3.09
			<i>For Work In Restricted Working Space, Add</i>	2.30	
			<i>For Installation Above 14', Add</i>	1.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.30	
26 05 33	13-0670	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	10.25	3.56
			<i>For Work In Restricted Working Space, Add</i>	2.68	
			<i>For Installation Above 14', Add</i>	1.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.68	
26 05 33	13-0671	EA	2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	12.55	4.29
			<i>For Work In Restricted Working Space, Add</i>	3.22	
			<i>For Installation Above 14', Add</i>	1.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.22	
26 05 33	13-0672	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	20.84	5.97
			<i>For Work In Restricted Working Space, Add</i>	4.47	
			<i>For Installation Above 14', Add</i>	2.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.47	
26 05 33	13-0673	EA	3" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	26.98	7.91
			<i>For Work In Restricted Working Space, Add</i>	5.96	
			<i>For Installation Above 14', Add</i>	2.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.96	
26 05 33	13-0674	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	34.45	10.20
			<i>For Work In Restricted Working Space, Add</i>	7.67	
			<i>For Installation Above 14', Add</i>	3.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67	
26 05 33	13-0675	EA	4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	43.34	13.42
			<i>For Work In Restricted Working Space, Add</i>	10.06	
			<i>For Installation Above 14', Add</i>	5.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.06	
<b>26 05 33 13-0676 Electrical Metallic Tubing (EMT) Straight Box Compression Connectors</b> <small>(26 05 33 13-0598)</small>					
26 05 33	13-0677	EA	1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	4.22	1.61
			<i>For Work In Restricted Working Space, Add</i>	1.21	
			<i>For Installation Above 14', Add</i>	0.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.21	
26 05 33	13-0678	EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	5.00	1.88
			<i>For Work In Restricted Working Space, Add</i>	1.41	
			<i>For Installation Above 14', Add</i>	0.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0679 EA 1" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	7.15	2.69
<i>For Work In Restricted Working Space, Add</i>	2.01	
<i>For Installation Above 14', Add</i>	1.01	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.01	
26 05 33 13-0680 EA 1-1/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	8.88	3.22
<i>For Work In Restricted Working Space, Add</i>	2.42	
<i>For Installation Above 14', Add</i>	1.21	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.42	
26 05 33 13-0681 EA 1-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	10.56	3.76
<i>For Work In Restricted Working Space, Add</i>	2.82	
<i>For Installation Above 14', Add</i>	1.41	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.82	
26 05 33 13-0682 EA 2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	13.77	4.83
<i>For Work In Restricted Working Space, Add</i>	3.62	
<i>For Installation Above 14', Add</i>	1.81	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.62	
26 05 33 13-0683 EA 2-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	21.19	6.44
<i>For Work In Restricted Working Space, Add</i>	4.83	
<i>For Installation Above 14', Add</i>	2.42	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.83	
26 05 33 13-0684 EA 3" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	26.79	8.05
<i>For Work In Restricted Working Space, Add</i>	6.04	
<i>For Installation Above 14', Add</i>	3.02	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.04	
26 05 33 13-0685 EA 3-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	33.74	9.39
<i>For Work In Restricted Working Space, Add</i>	7.04	
<i>For Installation Above 14', Add</i>	3.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.04	
26 05 33 13-0686 EA 4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	37.97	10.73
<i>For Work In Restricted Working Space, Add</i>	8.05	
<i>For Installation Above 14', Add</i>	4.03	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.05	
<b>26 05 33 13-0687 Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connectors</b> <small>(26 05 33 13-0598)</small>		
26 05 33 13-0688 EA 1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	4.84	1.82
<i>For Work In Restricted Working Space, Add</i>	1.35	
<i>For Installation Above 14', Add</i>	0.67	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.35	
26 05 33 13-0689 EA 3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	5.37	1.95
<i>For Work In Restricted Working Space, Add</i>	1.47	
<i>For Installation Above 14', Add</i>	0.73	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.47	
26 05 33 13-0690 EA 1" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	6.69	2.42
<i>For Work In Restricted Working Space, Add</i>	1.79	
<i>For Installation Above 14', Add</i>	0.90	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.79	
26 05 33 13-0691 EA 1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	8.99	3.09
<i>For Work In Restricted Working Space, Add</i>	2.30	
<i>For Installation Above 14', Add</i>	1.15	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.30	
26 05 33 13-0692 EA 1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	10.83	3.56
<i>For Work In Restricted Working Space, Add</i>	2.68	
<i>For Installation Above 14', Add</i>	1.34	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.68	
26 05 33 13-0693 EA 2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	13.39	4.29
<i>For Work In Restricted Working Space, Add</i>	3.22	
<i>For Installation Above 14', Add</i>	1.61	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.22	
26 05 33 13-0694 EA 2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	23.91	5.97
<i>For Work In Restricted Working Space, Add</i>	4.47	
<i>For Installation Above 14', Add</i>	2.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.47	
26 05 33 13-0695 EA 3" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	32.14	7.91
<i>For Work In Restricted Working Space, Add</i>	5.96	
<i>For Installation Above 14', Add</i>	2.98	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.96	
26 05 33 13-0696 EA 3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	43.49	10.20
<i>For Work In Restricted Working Space, Add</i>	7.67	
<i>For Installation Above 14', Add</i>	3.83	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67	
26 05 33 13-0697 EA 4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	54.53	13.42
<i>For Work In Restricted Working Space, Add</i>	10.06	
<i>For Installation Above 14', Add</i>	5.03	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.06	
<b>26 05 33 13-0698 Electrical Metallic Tubing (EMT) Expansion Coupling</b> <small>(26 05 33 13-0598)</small>		
Note: Excludes jumper.		
26 05 33 13-0699 EA 1/2" Electrical Metallic Tubing (EMT) Expansion Coupling.....	36.55	8.93
<i>For Work In Restricted Working Space, Add</i>	6.70	
<i>For Installation Above 14', Add</i>	3.35	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0700	EA		3/4" Electrical Metallic Tubing (EMT) Expansion Coupling .....	44.04	10.80
			<i>For Work In Restricted Working Space, Add</i>	8.12	
			<i>For Installation Above 14', Add</i>	4.06	
26 05 33 13-0701	EA		1" Electrical Metallic Tubing (EMT) Expansion Coupling .....	54.10	13.55
			<i>For Work In Restricted Working Space, Add</i>	10.15	
			<i>For Installation Above 14', Add</i>	5.07	
26 05 33 13-0702	EA		1-1/4" Electrical Metallic Tubing (EMT) Expansion Coupling .....	70.02	16.64
			<i>For Work In Restricted Working Space, Add</i>	12.49	
			<i>For Installation Above 14', Add</i>	6.24	
26 05 33 13-0703	EA		1-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling .....	87.07	19.52
			<i>For Work In Restricted Working Space, Add</i>	14.64	
			<i>For Installation Above 14', Add</i>	7.32	
26 05 33 13-0704	EA		2" Electrical Metallic Tubing (EMT) Expansion Coupling .....	109.20	23.75
			<i>For Work In Restricted Working Space, Add</i>	17.83	
			<i>For Installation Above 14', Add</i>	8.91	
26 05 33 13-0705	EA		2-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling .....	209.53	30.52
			<i>For Work In Restricted Working Space, Add</i>	22.90	
			<i>For Installation Above 14', Add</i>	11.45	
26 05 33 13-0706	EA		3" Electrical Metallic Tubing (EMT) Expansion Coupling .....	256.40	35.68
			<i>For Work In Restricted Working Space, Add</i>	26.78	
			<i>For Installation Above 14', Add</i>	13.39	
26 05 33 13-0707	EA		3-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling .....	315.26	38.91
			<i>For Work In Restricted Working Space, Add</i>	29.19	
			<i>For Installation Above 14', Add</i>	14.60	
26 05 33 13-0708	EA		4" Electrical Metallic Tubing (EMT) Expansion Coupling .....	341.17	42.93
			<i>For Work In Restricted Working Space, Add</i>	32.21	
			<i>For Installation Above 14', Add</i>	16.11	
<b>26 05 33 13-0709</b>			<b>Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapters</b>		
			<small>(26 05 33 13-0598)</small>		
26 05 33 13-0710	EA		1/2" To 3/8" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter .....	6.82	2.42
			<i>For Work In Restricted Working Space, Add</i>	1.79	
			<i>For Installation Above 14', Add</i>	0.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.79	
26 05 33 13-0711	EA		1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter .....	7.28	2.42
			<i>For Work In Restricted Working Space, Add</i>	1.79	
			<i>For Installation Above 14', Add</i>	0.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.79	
26 05 33 13-0712	EA		3/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter .....	8.14	2.62
			<i>For Work In Restricted Working Space, Add</i>	1.99	
			<i>For Installation Above 14', Add</i>	0.99	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.99	
26 05 33 13-0713	EA		1" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter .....	9.48	3.02
			<i>For Work In Restricted Working Space, Add</i>	2.26	
			<i>For Installation Above 14', Add</i>	1.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.26	
26 05 33 13-0714	EA		1-1/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter .....	13.53	3.62
			<i>For Work In Restricted Working Space, Add</i>	2.73	
			<i>For Installation Above 14', Add</i>	1.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.73	
26 05 33 13-0715	EA		1-1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter .....	16.56	4.16
			<i>For Work In Restricted Working Space, Add</i>	3.12	
			<i>For Installation Above 14', Add</i>	1.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.12	
26 05 33 13-0716	EA		2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter .....	21.59	5.24
			<i>For Work In Restricted Working Space, Add</i>	3.91	
			<i>For Installation Above 14', Add</i>	1.95	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.91	
<b>26 05 33 13-0717</b>			<b>Electrical Metallic Tubing (EMT) Pulling Elbows</b>		
			<small>(26 05 33 13-0598)</small>		
26 05 33 13-0718	EA		1/2" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws .....	14.31	6.04
			<i>For Work In Restricted Working Space, Add</i>	3.62	
			<i>For Installation Above 14', Add</i>	1.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.62	
26 05 33 13-0719	EA		3/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws .....	16.68	7.04
			<i>For Work In Restricted Working Space, Add</i>	4.23	
			<i>For Installation Above 14', Add</i>	2.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.23	
26 05 33 13-0720	EA		1" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws .....	20.72	8.05
			<i>For Work In Restricted Working Space, Add</i>	4.83	
			<i>For Installation Above 14', Add</i>	2.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.83	
26 05 33 13-0721	EA		1-1/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws .....	26.49	10.06
			<i>For Work In Restricted Working Space, Add</i>	6.04	
			<i>For Installation Above 14', Add</i>	3.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.04	
26 05 33 13-0722			<b>Intermediate Metal Conduit (IMC)</b>		
			<small>(26 05 33 13-0058)</small>		
			Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0723			<b>Intermediate Metal Conduit (IMC) Conduit</b>		
			<small>(26 05 33 13-0722)</small>		
			Note: Includes field bending conduit up to 1".		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0724 LF 1/2" Intermediate Metal Conduit (IMC) Conduit .....	4.58	1.34
For >250 To 500, Deduct	-0.06	
For >500 To 1,000, Deduct	-0.09	
For >1,000, Deduct	-0.12	
For Installation In Metal Stub Wall, Add	0.34	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.84	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.50	
For Work In Restricted Working Space, Add	1.01	
For Installation Above 14', Add	0.50	
26 05 33 13-0725 LF 3/4" Intermediate Metal Conduit (IMC) Conduit .....	5.15	1.47
For >250 To 500, Deduct	-0.07	
For >500 To 1,000, Deduct	-0.11	
For >1,000, Deduct	-0.15	
For Installation In Metal Stub Wall, Add	0.37	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.92	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.55	
For Work In Restricted Working Space, Add	1.11	
For Installation Above 14', Add	0.55	
26 05 33 13-0726 LF 1" Intermediate Metal Conduit (IMC) Conduit .....	6.28	1.61
For >250 To 500, Deduct	-0.11	
For >500 To 1,000, Deduct	-0.17	
For >1,000, Deduct	-0.23	
For Installation In Metal Stub Wall, Add	0.40	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.01	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.60	
For Work In Restricted Working Space, Add	1.21	
For Installation Above 14', Add	0.60	
26 05 33 13-0727 LF 1-1/4" Intermediate Metal Conduit (IMC) Conduit .....	7.55	3.22
For >250 To 500, Deduct	-0.14	
For >500 To 1,000, Deduct	-0.21	
For >1,000, Deduct	-0.29	
For Installation In Metal Stub Wall, Add	0.47	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.17	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.70	
For Work In Restricted Working Space, Add	1.41	
For Installation Above 14', Add	0.70	
26 05 33 13-0728 LF 1-1/2" Intermediate Metal Conduit (IMC) Conduit .....	8.75	2.15
For >250 To 500, Deduct	-0.17	
For >500 To 1,000, Deduct	-0.25	
For >1,000, Deduct	-0.34	
For Installation In Metal Stub Wall, Add	0.54	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.34	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.81	
For Work In Restricted Working Space, Add	1.61	
For Installation Above 14', Add	0.81	
26 05 33 13-0729 LF 2" Intermediate Metal Conduit (IMC) Conduit .....	10.62	2.42
For >250 To 500, Deduct	-0.23	
For >500 To 1,000, Deduct	-0.34	
For >1,000, Deduct	-0.46	
For Installation In Metal Stub Wall, Add	0.60	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.51	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.91	
For Work In Restricted Working Space, Add	1.81	
For Installation Above 14', Add	0.91	
26 05 33 13-0730 LF 2-1/2" Intermediate Metal Conduit (IMC) Conduit .....	18.20	3.22
For >250 To 500, Deduct	-0.51	
For >500 To 1,000, Deduct	-0.76	
For >1,000, Deduct	-1.02	
For Installation In Metal Stub Wall, Add	0.81	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.01	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.21	
For Work In Restricted Working Space, Add	2.42	
For Installation Above 14', Add	1.21	
26 05 33 13-0731 LF 3" Intermediate Metal Conduit (IMC) Conduit .....	22.55	4.02
For >250 To 500, Deduct	-0.62	
For >500 To 1,000, Deduct	-0.94	
For >1,000, Deduct	-1.25	
For Installation In Metal Stub Wall, Add	1.01	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.52	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.51	
For Work In Restricted Working Space, Add	3.02	
For Installation Above 14', Add	1.51	
26 05 33 13-0732 LF 3-1/2" Intermediate Metal Conduit (IMC) Conduit .....	26.55	4.83
For >250 To 500, Deduct	-0.72	
For >500 To 1,000, Deduct	-1.09	
For >1,000, Deduct	-1.45	
For Installation In Metal Stub Wall, Add	1.21	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.02	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.81	
For Work In Restricted Working Space, Add	3.62	
For Installation Above 14', Add	1.81	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0733	LF	4" Intermediate Metal Conduit (IMC) Conduit .....	31.12	5.64
			<i>For &gt;250 To 500, Deduct</i>	-0.85	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.28	
			<i>For &gt;1,000, Deduct</i>	-1.70	
			<i>For Installation In Metal Stud Wall, Add</i>	1.41	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	3.52	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.11	
			<i>For Work In Restricted Working Space, Add</i>	4.23	
			<i>For Installation Above 14', Add</i>	2.11	
26 05 33	13-0734		<b>Intermediate Metal Conduit (IMC) 90 Degree Elbows</b> <small>(26 05 33 13-0722)</small>		
			See CSI section 26 05 33 13-2245 for conduit field bending.		
26 05 33	13-0735	EA	1" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	35.64	10.13
			<i>For Work In Restricted Working Space, Add</i>	7.58	
			<i>For Installation Above 14', Add</i>	3.79	
26 05 33	13-0736	EA	1-1/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	43.90	11.74
			<i>For Work In Restricted Working Space, Add</i>	8.80	
			<i>For Installation Above 14', Add</i>	4.40	
26 05 33	13-0737	EA	1-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	52.09	13.48
			<i>For Work In Restricted Working Space, Add</i>	10.10	
			<i>For Installation Above 14', Add</i>	5.05	
26 05 33	13-0738	EA	2" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	63.56	14.82
			<i>For Work In Restricted Working Space, Add</i>	11.11	
			<i>For Installation Above 14', Add</i>	5.55	
26 05 33	13-0739	EA	2-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	91.32	18.51
			<i>For Work In Restricted Working Space, Add</i>	13.88	
			<i>For Installation Above 14', Add</i>	6.94	
26 05 33	13-0740	EA	3" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	132.00	25.22
			<i>For Work In Restricted Working Space, Add</i>	18.92	
			<i>For Installation Above 14', Add</i>	9.46	
26 05 33	13-0741	EA	3-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	192.85	28.44
			<i>For Work In Restricted Working Space, Add</i>	21.34	
			<i>For Installation Above 14', Add</i>	10.67	
26 05 33	13-0742	EA	4" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	233.77	37.03
			<i>For Work In Restricted Working Space, Add</i>	27.77	
			<i>For Installation Above 14', Add</i>	13.88	
26 05 33	13-0743		<b>Intermediate Metal Conduit (IMC) Bushing Sets With Locknut</b> <small>(26 05 33 13-0722)</small>		
26 05 33	13-0744	EA	1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	9.18	3.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.62	
26 05 33	13-0745	EA	3/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	10.83	0.40
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.02	
26 05 33	13-0746	EA	1" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	14.04	5.09
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 05 33	13-0747	EA	1-1/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	17.13	6.17
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.63	
26 05 33	13-0748	EA	1-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	19.21	6.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33	13-0749	EA	2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	24.82	8.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.24	
26 05 33	13-0750	EA	2-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	46.11	13.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.07	
26 05 33	13-0751	EA	3" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	56.78	18.24
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.69	
26 05 33	13-0752	EA	3-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	74.52	21.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.30	
26 05 33	13-0753	EA	4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	88.02	25.22
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.92	
26 05 33	13-0754		<b>Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fittings</b> <small>(26 05 33 13-0722)</small>		
			Note: 3-Piece coupling.		
26 05 33	13-0755	EA	1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	30.36	10.73
			<i>For Work In Restricted Working Space, Add</i>	8.06	
			<i>For Installation Above 14', Add</i>	4.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.06	
26 05 33	13-0756	EA	3/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	34.48	12.00
			<i>For Work In Restricted Working Space, Add</i>	8.99	
			<i>For Installation Above 14', Add</i>	4.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.99	
26 05 33	13-0757	EA	1" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	42.08	13.35
			<i>For Work In Restricted Working Space, Add</i>	10.02	
			<i>For Installation Above 14', Add</i>	5.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.02	
26 05 33	13-0758	EA	1-1/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	52.51	14.62
			<i>For Work In Restricted Working Space, Add</i>	10.97	
			<i>For Installation Above 14', Add</i>	5.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.97	
26 05 33	13-0759	EA	1-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	60.02	15.97
			<i>For Work In Restricted Working Space, Add</i>	12.00	
			<i>For Installation Above 14', Add</i>	6.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0760 EA 2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.38 12.99 6.50 12.99	17.31
26 05 33 13-0761 EA 2-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	139.38 16.10 8.05 16.10	21.46
26 05 33 13-0762 EA 3" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	197.79 20.12 10.06 20.12	26.84
26 05 33 13-0763 EA 3-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	290.51 24.16 12.08 24.16	32.20
26 05 33 13-0764 EA 4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	335.76 26.16 13.08 26.16	34.88
<b>26 05 33 13-0765 Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connectors <small>(26 05 33 13-0722)</small></b>		
26 05 33 13-0766 EA 1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	17.22 4.03 2.01	5.37
26 05 33 13-0767 EA 3/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	19.26 4.43 2.21	5.91
26 05 33 13-0768 EA 1" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	22.13 5.03 2.52	6.71
26 05 33 13-0769 EA 1-1/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	25.18 5.43 2.72	7.24
26 05 33 13-0770 EA 1-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	29.99 6.04 3.02	8.05
26 05 33 13-0771 EA 2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	36.71 6.64 3.32	8.86
26 05 33 13-0772 EA 2-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	50.20 8.05 4.03	10.73
26 05 33 13-0773 EA 3" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	62.04 10.06 5.03	13.42
26 05 33 13-0774 EA 3-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	74.53 12.08 6.04	16.10
26 05 33 13-0775 EA 4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	84.32 13.08 6.54	17.44
<b>26 05 33 13-0776 Intermediate Metal Conduit (IMC) Rain Tight Threaded Hubs <small>(26 05 33 13-0722)</small></b>		
26 05 33 13-0777 EA 1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.01 4.03 2.01 4.03	5.37
26 05 33 13-0778 EA 3/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.15 5.03 2.52 5.03	6.71
26 05 33 13-0779 EA 1" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.64 6.04 3.02 6.04	8.05
26 05 33 13-0780 EA 1-1/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.45 7.04 3.52 7.04	9.39

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0781	EA		1-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub .....	33.24	10.73
			<i>For Work In Restricted Working Space, Add</i>	8.05	
			<i>For Installation Above 14', Add</i>	4.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.05	
26 05 33 13-0782	EA		2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	39.45	12.08
			<i>For Work In Restricted Working Space, Add</i>	9.06	
			<i>For Installation Above 14', Add</i>	4.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.06	
26 05 33 13-0783	EA		2-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub .....	49.05	13.42
			<i>For Work In Restricted Working Space, Add</i>	10.06	
			<i>For Installation Above 14', Add</i>	5.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.06	
26 05 33 13-0784	EA		3" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	57.79	14.76
			<i>For Work In Restricted Working Space, Add</i>	11.07	
			<i>For Installation Above 14', Add</i>	5.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.07	
26 05 33 13-0785	EA		3-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub .....	70.69	17.44
			<i>For Work In Restricted Working Space, Add</i>	13.08	
			<i>For Installation Above 14', Add</i>	6.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.08	
26 05 33 13-0786	EA		4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	81.14	18.78
			<i>For Work In Restricted Working Space, Add</i>	14.09	
			<i>For Installation Above 14', Add</i>	7.04	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.09	
<b>26 05 33 13-0787</b>			<b>Intermediate Metal Conduit (IMC) Expansion Fittings</b> <small>(26 05 33 13-0722)</small>		
26 05 33 13-0788	EA		1/2" Intermediate Metal Conduit (IMC) Expansion Fitting .....	95.41	10.73
			<i>For Work In Restricted Working Space, Add</i>	8.05	
			<i>For Installation Above 14', Add</i>	4.03	
26 05 33 13-0789	EA		3/4" Intermediate Metal Conduit (IMC) Expansion Fitting .....	105.62	12.08
			<i>For Work In Restricted Working Space, Add</i>	9.06	
			<i>For Installation Above 14', Add</i>	4.53	
26 05 33 13-0790	EA		1" Intermediate Metal Conduit (IMC) Expansion Fitting .....	117.37	13.42
			<i>For Work In Restricted Working Space, Add</i>	10.07	
			<i>For Installation Above 14', Add</i>	5.03	
26 05 33 13-0791	EA		1-1/4" Intermediate Metal Conduit (IMC) Expansion Fitting .....	141.47	14.76
			<i>For Work In Restricted Working Space, Add</i>	11.07	
			<i>For Installation Above 14', Add</i>	5.54	
26 05 33 13-0792	EA		1-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting .....	172.89	16.10
			<i>For Work In Restricted Working Space, Add</i>	12.08	
			<i>For Installation Above 14', Add</i>	6.04	
26 05 33 13-0793	EA		2" Intermediate Metal Conduit (IMC) Expansion Fitting .....	226.51	17.44
			<i>For Work In Restricted Working Space, Add</i>	13.08	
			<i>For Installation Above 14', Add</i>	6.54	
26 05 33 13-0794	EA		2-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting.....	340.97	21.46
			<i>For Work In Restricted Working Space, Add</i>	16.10	
			<i>For Installation Above 14', Add</i>	8.05	
26 05 33 13-0795	EA		3" Intermediate Metal Conduit (IMC) Expansion Fitting .....	410.14	26.84
			<i>For Work In Restricted Working Space, Add</i>	20.12	
			<i>For Installation Above 14', Add</i>	10.06	
26 05 33 13-0796	EA		3-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting.....	570.59	32.20
			<i>For Work In Restricted Working Space, Add</i>	24.15	
			<i>For Installation Above 14', Add</i>	12.08	
26 05 33 13-0797	EA		4" Intermediate Metal Conduit (IMC) Expansion Fitting .....	659.40	34.88
			<i>For Work In Restricted Working Space, Add</i>	26.16	
			<i>For Installation Above 14', Add</i>	13.08	
<b>26 05 33 13-0798</b>			<b>Intermediate Metal Conduit (IMC) Sealing Fittings, Vertical/Horizontal</b> <small>(26 05 33 13-0722)</small>		
26 05 33 13-0799	EA		1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	59.93	16.77
			<i>For Work In Restricted Working Space, Add</i>	10.06	
			<i>For Installation Above 14', Add</i>	5.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.06	
26 05 33 13-0800	EA		3/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	71.24	20.13
			<i>For Work In Restricted Working Space, Add</i>	12.08	
			<i>For Installation Above 14', Add</i>	6.04	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.08	
26 05 33 13-0801	EA		1" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	86.79	23.48
			<i>For Work In Restricted Working Space, Add</i>	14.09	
			<i>For Installation Above 14', Add</i>	7.04	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.09	
26 05 33 13-0802	EA		1-1/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	102.03	26.84
			<i>For Work In Restricted Working Space, Add</i>	16.10	
			<i>For Installation Above 14', Add</i>	8.05	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.10	
26 05 33 13-0803	EA		1-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	133.19	30.19
			<i>For Work In Restricted Working Space, Add</i>	18.11	
			<i>For Installation Above 14', Add</i>	9.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.11	
26 05 33 13-0804	EA		2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	161.42	33.54
			<i>For Work In Restricted Working Space, Add</i>	20.12	
			<i>For Installation Above 14', Add</i>	10.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0805 EA 2-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	227.07	40.25
<i>For Work In Restricted Working Space, Add</i>	24.15	
<i>For Installation Above 14', Add</i>	12.08	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.15	
26 05 33 13-0806 EA 3" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	272.95	46.96
<i>For Work In Restricted Working Space, Add</i>	28.17	
<i>For Installation Above 14', Add</i>	14.09	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.17	
26 05 33 13-0807 EA 3-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	623.70	53.67
<i>For Work In Restricted Working Space, Add</i>	32.20	
<i>For Installation Above 14', Add</i>	16.10	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.20	
26 05 33 13-0808 EA 4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	718.37	60.38
<i>For Work In Restricted Working Space, Add</i>	36.23	
<i>For Installation Above 14', Add</i>	18.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.23	
<b>26 05 33 13-0809 Intermediate Metal Conduit (IMC) Threaded Couplings</b> <small>(26 05 33 13-0722)</small>		
26 05 33 13-0810 EA 1/2" Intermediate Metal Conduit (IMC) Threaded Coupling.....	8.94	3.22
<i>For Work In Restricted Working Space, Add</i>	2.41	
<i>For Installation Above 14', Add</i>	1.21	
26 05 33 13-0811 EA 3/4" Intermediate Metal Conduit (IMC) Threaded Coupling.....	12.50	4.56
<i>For Work In Restricted Working Space, Add</i>	3.42	
<i>For Installation Above 14', Add</i>	1.71	
26 05 33 13-0812 EA 1" Intermediate Metal Conduit (IMC) Threaded Coupling.....	16.38	5.91
<i>For Work In Restricted Working Space, Add</i>	4.43	
<i>For Installation Above 14', Add</i>	2.21	
26 05 33 13-0813 EA 1-1/4" Intermediate Metal Conduit (IMC) Threaded Coupling.....	18.82	6.71
<i>For Work In Restricted Working Space, Add</i>	5.03	
<i>For Installation Above 14', Add</i>	2.52	
26 05 33 13-0814 EA 1-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling.....	22.69	8.05
<i>For Work In Restricted Working Space, Add</i>	6.04	
<i>For Installation Above 14', Add</i>	3.02	
26 05 33 13-0815 EA 2" Intermediate Metal Conduit (IMC) Threaded Coupling.....	26.21	9.13
<i>For Work In Restricted Working Space, Add</i>	6.85	
<i>For Installation Above 14', Add</i>	3.42	
26 05 33 13-0816 EA 2-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling.....	32.98	10.20
<i>For Work In Restricted Working Space, Add</i>	7.64	
<i>For Installation Above 14', Add</i>	3.82	
26 05 33 13-0817 EA 3" Intermediate Metal Conduit (IMC) Threaded Coupling.....	39.09	11.53
<i>For Work In Restricted Working Space, Add</i>	8.66	
<i>For Installation Above 14', Add</i>	4.33	
26 05 33 13-0818 EA 3-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling.....	45.23	12.62
<i>For Work In Restricted Working Space, Add</i>	9.46	
<i>For Installation Above 14', Add</i>	4.73	
26 05 33 13-0819 EA 4" Intermediate Metal Conduit (IMC) Threaded Coupling.....	47.33	13.42
<i>For Work In Restricted Working Space, Add</i>	10.06	
<i>For Installation Above 14', Add</i>	5.03	
<b>26 05 33 13-0820 Intermediate Metal Conduit (IMC) Reducer Bushings</b> <small>(26 05 33 13-0722)</small>		
26 05 33 13-0821 EA 1/2" To 3/4" Intermediate Metal Conduit (IMC) Reducing Bushing.....	4.36	1.34
<i>For Work In Restricted Working Space, Add</i>	1.01	
<i>For Installation Above 14', Add</i>	0.50	
26 05 33 13-0822 EA 3/4" To 1" Intermediate Metal Conduit (IMC) Reducing Bushing.....	4.94	1.34
<i>For Work In Restricted Working Space, Add</i>	1.01	
<i>For Installation Above 14', Add</i>	0.50	
<b>26 05 33 13-0823 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit</b> <small>(26 05 33 13-0058)</small>		
<small>Note: 40 mil polyvinyl chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney). Used in hazardous locations. Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.</small>		
<b>26 05 33 13-0824 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit</b> <small>(26 05 33 13-0823)</small>		
<small>Note: Includes field bending for conduit up to 1".</small>		
26 05 33 13-0825 LF 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	10.30	1.88
<i>For &gt;250 To 500, Deduct</i>	-0.40	
<i>For &gt;500 To 1,000, Deduct</i>	-0.66	
<i>For &gt;1,000, Deduct</i>	-0.91	
<i>For Installation Above 14', Add</i>	0.70	
<i>For Work In Restricted Working Space, Add</i>	1.41	
26 05 33 13-0826 LF 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	11.86	2.15
<i>For &gt;250 To 500, Deduct</i>	-0.46	
<i>For &gt;500 To 1,000, Deduct</i>	-0.76	
<i>For &gt;1,000, Deduct</i>	-1.05	
<i>For Installation Above 14', Add</i>	0.81	
<i>For Work In Restricted Working Space, Add</i>	1.61	



**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0827	LF	1"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	15.12	2.69
			<i>For &gt;250 To 500, Deduct</i>	-0.59	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.97	
			<i>For &gt;1,000, Deduct</i>	-1.34	
			<i>For Installation Above 14', Add</i>	1.01	
			<i>For Work In Restricted Working Space, Add</i>	2.01	
26 05 33 13-0828	LF	1-1/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	18.71	3.22
			<i>For &gt;250 To 500, Deduct</i>	-0.73	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.20	
			<i>For &gt;1,000, Deduct</i>	-1.67	
			<i>For Installation Above 14', Add</i>	1.21	
			<i>For Work In Restricted Working Space, Add</i>	2.42	
26 05 33 13-0829	LF	1-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	23.02	4.02
			<i>For &gt;250 To 500, Deduct</i>	-0.90	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.48	
			<i>For &gt;1,000, Deduct</i>	-2.05	
			<i>For Installation Above 14', Add</i>	1.51	
			<i>For Work In Restricted Working Space, Add</i>	3.02	
26 05 33 13-0830	LF	2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	28.97	4.83
			<i>For &gt;250 To 500, Deduct</i>	-1.15	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.87	
			<i>For &gt;1,000, Deduct</i>	-2.60	
			<i>For Installation Above 14', Add</i>	1.81	
			<i>For Work In Restricted Working Space, Add</i>	3.62	
26 05 33 13-0831	LF	2-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	39.70	5.64
			<i>For &gt;250 To 500, Deduct</i>	-1.63	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.63	
			<i>For &gt;1,000, Deduct</i>	-3.62	
			<i>For Installation Above 14', Add</i>	2.11	
			<i>For Work In Restricted Working Space, Add</i>	4.23	
26 05 33 13-0832	LF	3"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	49.74	6.98
			<i>For &gt;250 To 500, Deduct</i>	-2.05	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.29	
			<i>For &gt;1,000, Deduct</i>	-4.54	
			<i>For Installation Above 14', Add</i>	2.62	
			<i>For Work In Restricted Working Space, Add</i>	5.23	
26 05 33 13-0833	LF	3-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	60.97	8.58
			<i>For &gt;250 To 500, Deduct</i>	-2.51	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.04	
			<i>For &gt;1,000, Deduct</i>	-5.56	
			<i>For Installation Above 14', Add</i>	3.22	
			<i>For Work In Restricted Working Space, Add</i>	6.44	
26 05 33 13-0834	LF	4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	72.06	10.20
			<i>For &gt;250 To 500, Deduct</i>	-2.97	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.77	
			<i>For &gt;1,000, Deduct</i>	-6.57	
			<i>For Installation Above 14', Add</i>	3.82	
			<i>For Work In Restricted Working Space, Add</i>	7.65	
26 05 33 13-0835	LF	5"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	112.72	12.08
			<i>For &gt;250 To 500, Deduct</i>	-4.88	
			<i>For &gt;500 To 1,000, Deduct</i>	-7.70	
			<i>For &gt;1,000, Deduct</i>	-10.52	
			<i>For Installation Above 14', Add</i>	4.53	
			<i>For Work In Restricted Working Space, Add</i>	9.06	
26 05 33 13-0836	LF	6"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	153.35	16.10
			<i>For &gt;250 To 500, Deduct</i>	-6.66	
			<i>For &gt;500 To 1,000, Deduct</i>	-10.50	
			<i>For &gt;1,000, Deduct</i>	-14.33	
			<i>For Installation Above 14', Add</i>	6.04	
			<i>For Work In Restricted Working Space, Add</i>	12.08	
26 05 33 13-0837			<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings</b> <small>(26 05 33 13-0823)</small>		
26 05 33 13-0838	EA	1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	13.97	4.02
			<i>For Installation Above 14', Add</i>	1.21	
			<i>For Work In Restricted Working Space, Add</i>	2.42	
26 05 33 13-0839	EA	3/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	17.60	5.71
			<i>For Installation Above 14', Add</i>	1.71	
			<i>For Work In Restricted Working Space, Add</i>	3.42	
26 05 33 13-0840	EA	1"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	22.81	7.38
			<i>For Installation Above 14', Add</i>	2.21	
			<i>For Work In Restricted Working Space, Add</i>	4.43	
26 05 33 13-0841	EA	1-1/4"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	26.16	8.38
			<i>For Installation Above 14', Add</i>	2.52	
			<i>For Work In Restricted Working Space, Add</i>	5.03	
26 05 33 13-0842	EA	1-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	31.29	10.06
			<i>For Installation Above 14', Add</i>	3.02	
			<i>For Work In Restricted Working Space, Add</i>	6.04	
26 05 33 13-0843	EA	2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	39.15	11.40
			<i>For Installation Above 14', Add</i>	3.42	
			<i>For Work In Restricted Working Space, Add</i>	6.84	
26 05 33 13-0844	EA	2-1/2"	Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	65.93	11.40
			<i>For Installation Above 14', Add</i>	3.82	
			<i>For Work In Restricted Working Space, Add</i>	7.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0845 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	77.95	15.77
<i>For Installation Above 14', Add</i>	4.33	
<i>For Work In Restricted Working Space, Add</i>	8.65	
26 05 33 13-0846 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	94.54	15.77
<i>For Installation Above 14', Add</i>	4.73	
<i>For Work In Restricted Working Space, Add</i>	9.46	
26 05 33 13-0847 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	107.21	16.77
<i>For Installation Above 14', Add</i>	5.03	
<i>For Work In Restricted Working Space, Add</i>	10.06	
26 05 33 13-0848 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	280.31	20.13
<i>For Installation Above 14', Add</i>	6.04	
<i>For Work In Restricted Working Space, Add</i>	12.08	
26 05 33 13-0849 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	315.12	23.48
<i>For Installation Above 14', Add</i>	7.04	
<i>For Work In Restricted Working Space, Add</i>	14.09	
<b>26 05 33 13-0850 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows (26 05 33 13-0823)</b>		
Note: 90, 45, or 30 degree.		
26 05 33 13-0851 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	42.55	10.90
<i>For Installation Above 14', Add</i>	3.27	
<i>For Work In Restricted Working Space, Add</i>	6.54	
26 05 33 13-0852 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	48.58	13.52
<i>For Installation Above 14', Add</i>	4.06	
<i>For Work In Restricted Working Space, Add</i>	8.11	
26 05 33 13-0853 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	57.84	16.57
<i>For Installation Above 14', Add</i>	4.97	
<i>For Work In Restricted Working Space, Add</i>	9.94	
26 05 33 13-0854 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	68.72	19.19
<i>For Installation Above 14', Add</i>	5.76	
<i>For Work In Restricted Working Space, Add</i>	11.51	
26 05 33 13-0855 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	80.91	21.80
<i>For Installation Above 14', Add</i>	6.54	
<i>For Work In Restricted Working Space, Add</i>	13.08	
26 05 33 13-0856 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	100.03	23.98
<i>For Installation Above 14', Add</i>	7.20	
<i>For Work In Restricted Working Space, Add</i>	14.39	
26 05 33 13-0857 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	158.25	30.09
<i>For Installation Above 14', Add</i>	9.03	
<i>For Work In Restricted Working Space, Add</i>	18.05	
26 05 33 13-0858 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	238.71	40.99
<i>For Installation Above 14', Add</i>	12.30	
<i>For Work In Restricted Working Space, Add</i>	24.59	
26 05 33 13-0859 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	298.09	46.22
<i>For Installation Above 14', Add</i>	13.87	
<i>For Work In Restricted Working Space, Add</i>	27.73	
26 05 33 13-0860 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	337.74	60.17
<i>For Installation Above 14', Add</i>	18.05	
<i>For Work In Restricted Working Space, Add</i>	36.11	
26 05 33 13-0861 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	720.10	98.11
<i>For Installation Above 14', Add</i>	29.43	
<i>For Work In Restricted Working Space, Add</i>	58.87	
26 05 33 13-0862 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	1,136.86	147.39
<i>For Installation Above 14', Add</i>	44.22	
<i>For Work In Restricted Working Space, Add</i>	88.43	
<b>26 05 33 13-0863 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows (26 05 33 13-0823)</b>		
26 05 33 13-0864 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	106.74	16.57
<i>For Installation Above 14', Add</i>	4.97	
<i>For Work In Restricted Working Space, Add</i>	9.94	
26 05 33 13-0865 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	119.78	19.19
<i>For Installation Above 14', Add</i>	5.76	
<i>For Work In Restricted Working Space, Add</i>	11.51	
26 05 33 13-0866 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	136.81	21.80
<i>For Installation Above 14', Add</i>	6.54	
<i>For Work In Restricted Working Space, Add</i>	13.08	
26 05 33 13-0867 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	164.52	23.98
<i>For Installation Above 14', Add</i>	7.20	
<i>For Work In Restricted Working Space, Add</i>	14.39	
26 05 33 13-0868 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	231.25	30.09
<i>For Installation Above 14', Add</i>	9.03	
<i>For Work In Restricted Working Space, Add</i>	18.05	
<b>26 05 33 13-0869 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows (26 05 33 13-0823)</b>		
26 05 33 13-0870 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	119.96	16.57
<i>For Installation Above 14', Add</i>	4.97	
<i>For Work In Restricted Working Space, Add</i>	9.94	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0871	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	141.63 5.76 11.51	19.19
26 05 33 13-0872	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	152.47 6.54 13.08	21.80
26 05 33 13-0873	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	198.69 7.20 14.39	23.98
26 05 33 13-0874	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	264.19 9.03 18.05	30.09
26 05 33 13-0875	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	336.41 12.30 24.59	40.99
<b>26 05 33 13-0876 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows</b> <small>(26 05 33 13-0823)</small>					
26 05 33 13-0877	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	135.78 4.97 9.94	16.57
26 05 33 13-0878	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	153.01 5.76 11.51	19.19
26 05 33 13-0879	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	172.57 6.54 13.08	21.80
26 05 33 13-0880	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	210.02 7.20 14.39	23.98
26 05 33 13-0881	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	302.05 9.03 18.05	30.09
26 05 33 13-0882	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	380.85 12.30 24.59	40.99
26 05 33 13-0883	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	484.22 13.87 27.73	46.22
26 05 33 13-0884	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	540.52 18.05 36.11	60.17
<b>26 05 33 13-0885 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows</b> <small>(26 05 33 13-0823)</small>					
26 05 33 13-0886	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	163.09 4.97 9.94	16.57
26 05 33 13-0887	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	179.72 5.76 11.51	19.19
26 05 33 13-0888	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	202.91 6.54 13.08	21.80
26 05 33 13-0889	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	253.70 7.20 14.39	23.98
26 05 33 13-0890	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	369.80 9.03 18.05	30.09
26 05 33 13-0891	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	456.15 12.30 24.59	40.99
26 05 33 13-0892	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	530.20 13.87 27.73	46.22
26 05 33 13-0893	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	624.92 18.05 36.11	60.17
<b>26 05 33 13-0894 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows</b> <small>(26 05 33 13-0823)</small>					
26 05 33 13-0895	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	184.34 4.97 9.94	16.57
26 05 33 13-0896	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	204.59 5.76 11.51	19.19
26 05 33 13-0897	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	232.76 6.54 13.08	21.80



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0898 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	291.72 7.20 14.39	23.98
26 05 33 13-0899 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	406.77 9.03 18.05	30.09
26 05 33 13-0900 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	516.38 12.30 24.59	40.99
26 05 33 13-0901 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	641.98 13.87 27.73	46.22
26 05 33 13-0902 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	702.40 18.05 36.11	60.17
26 05 33 13-0903 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,172.43 29.43 58.87	98.11
 <b>26 05 33 13-0904 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows <small>(26 05 33 13-0823)</small></b>		
26 05 33 13-0905 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	212.13 4.97 9.94	16.57
26 05 33 13-0906 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	234.63 5.76 11.51	19.19
26 05 33 13-0907 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	265.48 6.54 13.08	21.80
26 05 33 13-0908 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	333.88 7.20 14.39	23.98
26 05 33 13-0909 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	468.36 9.03 18.05	30.09
26 05 33 13-0910 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	593.12 12.30 24.59	40.99
26 05 33 13-0911 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	698.00 13.87 27.73	46.22
26 05 33 13-0912 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	802.43 18.05 36.11	60.17
26 05 33 13-0913 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,242.53 29.43 58.87	98.11
26 05 33 13-0914 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,690.77 44.22 88.43	147.39
 <b>26 05 33 13-0915 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows <small>(26 05 33 13-0823)</small></b>		
26 05 33 13-0916 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	250.82 4.97 9.94	16.57
26 05 33 13-0917 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	261.42 5.76 11.51	19.19
26 05 33 13-0918 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	309.28 6.54 13.08	21.80
26 05 33 13-0919 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	392.58 7.20 14.39	23.98
26 05 33 13-0920 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	551.42 9.03 18.05	30.09
26 05 33 13-0921 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	696.57 12.30 24.59	40.99
26 05 33 13-0922 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	853.72 13.87 27.73	46.22
26 05 33 13-0923 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	997.01 18.05 36.11	60.17
26 05 33 13-0924 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,471.18 29.43 58.87	98.11

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0925 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	1,795.72	147.39
For Installation Above 14', Add	44.22	
For Work In Restricted Working Space, Add	88.43	
<b>26 05 33 13-0926 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows</b> <small>(26 05 33 13-0823)</small>		
26 05 33 13-0927 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	260.14	16.57
For Installation Above 14', Add	4.97	
For Work In Restricted Working Space, Add	9.94	
26 05 33 13-0928 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	306.72	19.19
For Installation Above 14', Add	5.76	
For Work In Restricted Working Space, Add	11.51	
26 05 33 13-0929 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	347.15	21.80
For Installation Above 14', Add	6.54	
For Work In Restricted Working Space, Add	13.08	
26 05 33 13-0930 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	410.24	23.98
For Installation Above 14', Add	7.20	
For Work In Restricted Working Space, Add	14.39	
26 05 33 13-0931 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	572.17	30.09
For Installation Above 14', Add	9.03	
For Work In Restricted Working Space, Add	18.05	
26 05 33 13-0932 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	728.38	40.99
For Installation Above 14', Add	12.30	
For Work In Restricted Working Space, Add	24.59	
26 05 33 13-0933 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	938.53	46.22
For Installation Above 14', Add	13.87	
For Work In Restricted Working Space, Add	27.73	
26 05 33 13-0934 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,041.14	60.17
For Installation Above 14', Add	18.05	
For Work In Restricted Working Space, Add	36.11	
26 05 33 13-0935 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,532.61	98.11
For Installation Above 14', Add	29.43	
For Work In Restricted Working Space, Add	58.87	
26 05 33 13-0936 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	1,849.05	147.39
For Installation Above 14', Add	44.22	
For Work In Restricted Working Space, Add	88.43	
<b>26 05 33 13-0937 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fittings</b> <small>(26 05 33 13-0823)</small>		
26 05 33 13-0938 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	91.56	10.90
For Installation Above 14', Add	3.27	
For Work In Restricted Working Space, Add	6.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.54	
26 05 33 13-0939 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	111.05	14.39
For Installation Above 14', Add	4.32	
For Work In Restricted Working Space, Add	8.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.63	
26 05 33 13-0940 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	150.63	16.57
For Installation Above 14', Add	4.97	
For Work In Restricted Working Space, Add	9.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.94	
26 05 33 13-0941 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	255.31	19.19
For Installation Above 14', Add	5.76	
For Work In Restricted Working Space, Add	11.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.51	
26 05 33 13-0942 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	281.30	21.80
For Installation Above 14', Add	6.54	
For Work In Restricted Working Space, Add	13.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.08	
26 05 33 13-0943 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	358.93	23.98
For Installation Above 14', Add	7.19	
For Work In Restricted Working Space, Add	14.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.39	
26 05 33 13-0944 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	1,012.75	30.09
For Installation Above 14', Add	9.03	
For Work In Restricted Working Space, Add	18.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.05	
26 05 33 13-0945 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	1,203.76	40.99
For Installation Above 14', Add	12.30	
For Work In Restricted Working Space, Add	24.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.60	
26 05 33 13-0946 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting.....	1,593.79	60.17
For Installation Above 14', Add	18.05	
For Work In Restricted Working Space, Add	36.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.10	
<b>26 05 33 13-0947 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fittings</b> <small>(26 05 33 13-0823)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0948 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	87.32	10.90
<i>For Installation Above 14', Add</i>	3.27	
<i>For Work In Restricted Working Space, Add</i>	6.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.54	
26 05 33 13-0949 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	106.26	14.39
<i>For Installation Above 14', Add</i>	4.32	
<i>For Work In Restricted Working Space, Add</i>	8.63	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.63	
26 05 33 13-0950 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	150.63	16.57
<i>For Installation Above 14', Add</i>	4.97	
<i>For Work In Restricted Working Space, Add</i>	9.94	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.94	
26 05 33 13-0951 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	252.84	19.19
<i>For Installation Above 14', Add</i>	5.76	
<i>For Work In Restricted Working Space, Add</i>	11.51	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.51	
26 05 33 13-0952 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	271.35	21.80
<i>For Installation Above 14', Add</i>	6.54	
<i>For Work In Restricted Working Space, Add</i>	13.08	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.08	
26 05 33 13-0953 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	359.05	23.98
<i>For Installation Above 14', Add</i>	7.19	
<i>For Work In Restricted Working Space, Add</i>	14.39	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.39	
26 05 33 13-0954 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	970.33	30.09
<i>For Installation Above 14', Add</i>	9.03	
<i>For Work In Restricted Working Space, Add</i>	18.05	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.05	
26 05 33 13-0955 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	1,172.81	40.99
<i>For Installation Above 14', Add</i>	12.30	
<i>For Work In Restricted Working Space, Add</i>	24.60	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.60	
26 05 33 13-0956 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	1,593.72	60.17
<i>For Installation Above 14', Add</i>	18.05	
<i>For Work In Restricted Working Space, Add</i>	36.10	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.10	
<b>26 05 33 13-0957 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fittings</b> <small>(26 05 33 13-0823)</small>		
26 05 33 13-0958 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting.....	77.93	10.90
<i>For Installation Above 14', Add</i>	3.27	
<i>For Work In Restricted Working Space, Add</i>	6.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.54	
26 05 33 13-0959 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting.....	92.00	14.39
<i>For Installation Above 14', Add</i>	4.32	
<i>For Work In Restricted Working Space, Add</i>	8.63	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.63	
26 05 33 13-0960 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting.....	108.97	16.57
<i>For Installation Above 14', Add</i>	4.97	
<i>For Work In Restricted Working Space, Add</i>	9.94	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.94	
26 05 33 13-0961 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting.....	159.09	19.19
<i>For Installation Above 14', Add</i>	5.76	
<i>For Work In Restricted Working Space, Add</i>	11.51	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.51	
26 05 33 13-0962 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting.....	186.45	21.80
<i>For Installation Above 14', Add</i>	6.54	
<i>For Work In Restricted Working Space, Add</i>	13.08	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.08	
26 05 33 13-0963 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting.....	297.70	23.98
<i>For Installation Above 14', Add</i>	7.19	
<i>For Work In Restricted Working Space, Add</i>	14.39	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.39	
26 05 33 13-0964 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting.....	852.17	30.09
<i>For Installation Above 14', Add</i>	9.03	
<i>For Work In Restricted Working Space, Add</i>	18.05	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.05	
26 05 33 13-0965 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting.....	952.11	40.99
<i>For Installation Above 14', Add</i>	12.30	
<i>For Work In Restricted Working Space, Add</i>	24.60	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.60	
26 05 33 13-0966 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting.....	1,208.09	60.17
<i>For Installation Above 14', Add</i>	18.05	
<i>For Work In Restricted Working Space, Add</i>	36.10	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.10	
<b>26 05 33 13-0967 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fittings</b> <small>(26 05 33 13-0823)</small>		

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0968	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	140.75	10.90
			<i>For Installation Above 14', Add</i>	3.27	
			<i>For Work In Restricted Working Space, Add</i>	6.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.54	
26 05 33 13-0969	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	214.17	14.39
			<i>For Installation Above 14', Add</i>	4.32	
			<i>For Work In Restricted Working Space, Add</i>	8.63	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.63	
26 05 33 13-0970	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	270.75	16.57
			<i>For Installation Above 14', Add</i>	4.97	
			<i>For Work In Restricted Working Space, Add</i>	9.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.94	
26 05 33 13-0971	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	312.47	19.19
			<i>For Installation Above 14', Add</i>	5.76	
			<i>For Work In Restricted Working Space, Add</i>	11.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.51	
26 05 33 13-0972	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	354.87	21.80
			<i>For Installation Above 14', Add</i>	6.54	
			<i>For Work In Restricted Working Space, Add</i>	13.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.08	
26 05 33 13-0973	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	471.68	23.98
			<i>For Installation Above 14', Add</i>	7.19	
			<i>For Work In Restricted Working Space, Add</i>	14.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.39	
26 05 33 13-0974	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	1,529.24	30.09
			<i>For Installation Above 14', Add</i>	9.03	
			<i>For Work In Restricted Working Space, Add</i>	18.05	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.05	
26 05 33 13-0975	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	1,779.78	40.99
			<i>For Installation Above 14', Add</i>	12.30	
			<i>For Work In Restricted Working Space, Add</i>	24.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.60	
26 05 33 13-0976	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealight Fitting.....	2,178.58	60.17
			<i>For Installation Above 14', Add</i>	18.05	
			<i>For Work In Restricted Working Space, Add</i>	36.10	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.10	
26 05 33 13-0977			<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fittings</b> <small>(26 05 33 13-0923)</small>		
26 05 33 13-0978	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	157.42	10.90
			<i>For Installation Above 14', Add</i>	3.27	
			<i>For Work In Restricted Working Space, Add</i>	6.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.54	
26 05 33 13-0979	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	229.91	14.39
			<i>For Installation Above 14', Add</i>	4.32	
			<i>For Work In Restricted Working Space, Add</i>	8.63	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.63	
26 05 33 13-0980	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	273.75	16.57
			<i>For Installation Above 14', Add</i>	4.97	
			<i>For Work In Restricted Working Space, Add</i>	9.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.94	
26 05 33 13-0981	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	317.41	19.19
			<i>For Installation Above 14', Add</i>	5.76	
			<i>For Work In Restricted Working Space, Add</i>	11.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.51	
26 05 33 13-0982	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	368.41	21.80
			<i>For Installation Above 14', Add</i>	6.54	
			<i>For Work In Restricted Working Space, Add</i>	13.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.08	
26 05 33 13-0983	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	590.65	23.98
			<i>For Installation Above 14', Add</i>	7.19	
			<i>For Work In Restricted Working Space, Add</i>	14.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.39	
26 05 33 13-0984	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	1,708.75	30.09
			<i>For Installation Above 14', Add</i>	9.03	
			<i>For Work In Restricted Working Space, Add</i>	18.05	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0985 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	2,406.52	40.99
<i>For Installation Above 14', Add</i>	12.30	
<i>For Work In Restricted Working Space, Add</i>	24.60	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.60	
26 05 33 13-0986 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealight Fitting.....	2,495.85	60.17
<i>For Installation Above 14', Add</i>	18.05	
<i>For Work In Restricted Working Space, Add</i>	36.10	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.10	
<b>26 05 33 13-0987 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fittings</b> <small>(26 05 33 13-0823)</small>		
26 05 33 13-0988 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	122.37	10.90
<i>For Installation Above 14', Add</i>	3.27	
<i>For Work In Restricted Working Space, Add</i>	6.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.54	
26 05 33 13-0989 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	153.79	14.39
<i>For Installation Above 14', Add</i>	4.32	
<i>For Work In Restricted Working Space, Add</i>	8.63	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.63	
26 05 33 13-0990 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	184.91	16.57
<i>For Installation Above 14', Add</i>	4.97	
<i>For Work In Restricted Working Space, Add</i>	9.94	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.94	
26 05 33 13-0991 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	204.09	19.19
<i>For Installation Above 14', Add</i>	5.76	
<i>For Work In Restricted Working Space, Add</i>	11.51	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.51	
26 05 33 13-0992 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	278.80	21.80
<i>For Installation Above 14', Add</i>	6.54	
<i>For Work In Restricted Working Space, Add</i>	13.08	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.08	
26 05 33 13-0993 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	400.76	23.98
<i>For Installation Above 14', Add</i>	7.19	
<i>For Work In Restricted Working Space, Add</i>	14.39	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.39	
26 05 33 13-0994 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	1,380.55	30.09
<i>For Installation Above 14', Add</i>	9.03	
<i>For Work In Restricted Working Space, Add</i>	18.05	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.05	
26 05 33 13-0995 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	1,547.29	40.99
<i>For Installation Above 14', Add</i>	12.30	
<i>For Work In Restricted Working Space, Add</i>	24.60	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.60	
26 05 33 13-0996 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealight Fitting.....	1,827.55	60.17
<i>For Installation Above 14', Add</i>	18.05	
<i>For Work In Restricted Working Space, Add</i>	36.10	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.10	
<b>26 05 33 13-0997 Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover</b> <small>(26 05 33 13-0823)</small>		
Note: Suitable for use in hazardous locations. Class I, Div 2.		
26 05 33 13-0998 EA 1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	99.96	20.93
<i>For Installation Above 14', Add</i>	6.28	
<i>For Work In Restricted Working Space, Add</i>	12.56	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.56	
26 05 33 13-0999 EA 3/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	112.38	23.98
<i>For Installation Above 14', Add</i>	7.19	
<i>For Work In Restricted Working Space, Add</i>	14.39	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.39	
26 05 33 13-1000 EA 1" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	141.14	27.47
<i>For Installation Above 14', Add</i>	8.24	
<i>For Work In Restricted Working Space, Add</i>	16.48	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.48	
26 05 33 13-1001 EA 1-1/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	188.79	31.83
<i>For Installation Above 14', Add</i>	9.55	
<i>For Work In Restricted Working Space, Add</i>	19.10	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.10	



**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1002	EA		1-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	222.56	34.88
			<i>For Installation Above 14', Add</i>	10.46	
			<i>For Work In Restricted Working Space, Add</i>	20.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.93	
26 05 33 13-1003	EA		2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	308.99	41.86
			<i>For Installation Above 14', Add</i>	12.56	
			<i>For Work In Restricted Working Space, Add</i>	25.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.12	
26 05 33 13-1004	EA		2-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	531.16	58.87
			<i>For Installation Above 14', Add</i>	17.66	
			<i>For Work In Restricted Working Space, Add</i>	35.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.32	
26 05 33 13-1005	EA		3" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	677.04	78.49
			<i>For Installation Above 14', Add</i>	23.55	
			<i>For Work In Restricted Working Space, Add</i>	47.10	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.10	
26 05 33 13-1006	EA		3-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	951.80	98.11
			<i>For Installation Above 14', Add</i>	29.43	
			<i>For Work In Restricted Working Space, Add</i>	58.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.87	
26 05 33 13-1007	EA		4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,085.90	119.48
			<i>For Installation Above 14', Add</i>	35.84	
			<i>For Work In Restricted Working Space, Add</i>	71.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.69	
26 05 33 13-1008			<b>Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover</b> <small>(26 05 33 13-0823)</small>		
			Note: Suitable for use in hazardous locations. Class I, Div 2.		
26 05 33 13-1009	EA		1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	130.48	27.47
			<i>For Installation Above 14', Add</i>	8.24	
			<i>For Work In Restricted Working Space, Add</i>	16.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.48	
26 05 33 13-1010	EA		3/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	149.50	30.52
			<i>For Installation Above 14', Add</i>	9.16	
			<i>For Work In Restricted Working Space, Add</i>	18.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.32	
26 05 33 13-1011	EA		1" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	186.28	33.58
			<i>For Installation Above 14', Add</i>	10.07	
			<i>For Work In Restricted Working Space, Add</i>	20.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.14	
26 05 33 13-1012	EA		1-1/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	257.26	38.37
			<i>For Installation Above 14', Add</i>	11.51	
			<i>For Work In Restricted Working Space, Add</i>	23.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.02	
26 05 33 13-1013	EA		1-1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	307.49	41.86
			<i>For Installation Above 14', Add</i>	12.56	
			<i>For Work In Restricted Working Space, Add</i>	25.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.12	
26 05 33 13-1014	EA		2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	424.33	51.45
			<i>For Installation Above 14', Add</i>	15.44	
			<i>For Work In Restricted Working Space, Add</i>	30.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.87	
26 05 33 13-1015			<b>Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover</b> <small>(26 05 33 13-0823)</small>		
			Note: Suitable for use in hazardous locations. Class I, Div 2.		
26 05 33 13-1016	EA		1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	115.03	23.98
			<i>For Installation Above 14', Add</i>	7.20	
			<i>For Work In Restricted Working Space, Add</i>	14.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.39	
26 05 33 13-1017	EA		3/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	130.70	27.91
			<i>For Installation Above 14', Add</i>	8.37	
			<i>For Work In Restricted Working Space, Add</i>	16.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.74	
26 05 33 13-1018	EA		1" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	161.39	30.52
			<i>For Installation Above 14', Add</i>	9.16	
			<i>For Work In Restricted Working Space, Add</i>	18.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.32	
26 05 33 13-1019	EA		1-1/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	211.03	34.88
			<i>For Installation Above 14', Add</i>	10.47	
			<i>For Work In Restricted Working Space, Add</i>	20.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1020 EA 1-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	253.14	38.37
<i>For Installation Above 14', Add</i>	11.51	
<i>For Work In Restricted Working Space, Add</i>	23.02	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.02	
26 05 33 13-1021 EA 2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	345.98	44.91
<i>For Installation Above 14', Add</i>	13.47	
<i>For Work In Restricted Working Space, Add</i>	26.95	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.95	
26 05 33 13-1022 EA 2-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	563.52	65.41
<i>For Installation Above 14', Add</i>	19.62	
<i>For Work In Restricted Working Space, Add</i>	39.25	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.25	
26 05 33 13-1023 EA 3" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	747.46	85.03
<i>For Installation Above 14', Add</i>	25.51	
<i>For Work In Restricted Working Space, Add</i>	51.02	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.02	
26 05 33 13-1024 EA 3-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	1,039.22	104.65
<i>For Installation Above 14', Add</i>	31.40	
<i>For Work In Restricted Working Space, Add</i>	62.79	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.79	
26 05 33 13-1025 EA 4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	1,152.40	126.02
<i>For Installation Above 14', Add</i>	37.81	
<i>For Work In Restricted Working Space, Add</i>	75.61	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.61	
<b>26 05 33 13-1026 Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined</b> <small>(26 05 33 13-0823)</small>		
26 05 33 13-1027 EA 1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	25.84	2.62
<i>For Installation Above 14', Add</i>	0.79	
<i>For Work In Restricted Working Space, Add</i>	1.57	
26 05 33 13-1028 EA 3/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	28.87	3.05
<i>For Installation Above 14', Add</i>	0.92	
<i>For Work In Restricted Working Space, Add</i>	1.83	
26 05 33 13-1029 EA 1" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	37.70	3.92
<i>For Installation Above 14', Add</i>	1.18	
<i>For Work In Restricted Working Space, Add</i>	2.36	
26 05 33 13-1030 EA 1-1/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	48.75	4.79
<i>For Installation Above 14', Add</i>	1.44	
<i>For Work In Restricted Working Space, Add</i>	2.88	
26 05 33 13-1031 EA 1-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	54.26	5.67
<i>For Installation Above 14', Add</i>	1.70	
<i>For Work In Restricted Working Space, Add</i>	3.40	
26 05 33 13-1032 EA 2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	67.66	6.54
<i>For Installation Above 14', Add</i>	1.96	
<i>For Work In Restricted Working Space, Add</i>	3.92	
26 05 33 13-1033 EA 2-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	88.61	7.41
<i>For Installation Above 14', Add</i>	2.22	
<i>For Work In Restricted Working Space, Add</i>	4.45	
26 05 33 13-1034 EA 3" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	94.72	10.46
<i>For Installation Above 14', Add</i>	3.14	
<i>For Work In Restricted Working Space, Add</i>	6.28	
26 05 33 13-1035 EA 3-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	116.07	11.77
<i>For Installation Above 14', Add</i>	3.53	
<i>For Work In Restricted Working Space, Add</i>	7.07	
26 05 33 13-1036 EA 4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	122.17	14.82
<i>For Installation Above 14', Add</i>	4.45	
<i>For Work In Restricted Working Space, Add</i>	8.90	
<b>26 05 33 13-1037 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Bodies</b> <small>(26 05 33 13-0823)</small>		
26 05 33 13-1038 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	115.58	20.93
<i>For Installation Above 14', Add</i>	6.28	
<i>For Work In Restricted Working Space, Add</i>	12.56	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.56	
26 05 33 13-1039 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	127.25	23.98
<i>For Installation Above 14', Add</i>	7.20	
<i>For Work In Restricted Working Space, Add</i>	14.39	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.39	
26 05 33 13-1040 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	149.12	27.47
<i>For Installation Above 14', Add</i>	8.24	
<i>For Work In Restricted Working Space, Add</i>	16.48	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.48	
26 05 33 13-1041 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	177.72	31.83
<i>For Installation Above 14', Add</i>	9.55	
<i>For Work In Restricted Working Space, Add</i>	19.10	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.10	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1042 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body .....225.69	225.69	34.88
For Installation Above 14', Add	10.47	
For Work In Restricted Working Space, Add	20.93	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.93	
26 05 33 13-1043 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....273.90	273.90	41.86
For Installation Above 14', Add	12.56	
For Work In Restricted Working Space, Add	25.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.12	
26 05 33 13-1044 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body .....398.30	398.30	58.87
For Installation Above 14', Add	17.66	
For Work In Restricted Working Space, Add	35.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.32	
26 05 33 13-1045 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....507.89	507.89	78.49
For Installation Above 14', Add	23.55	
For Work In Restricted Working Space, Add	47.09	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.09	
26 05 33 13-1046 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body .....1,071.59	1,071.59	98.11
For Installation Above 14', Add	29.43	
For Work In Restricted Working Space, Add	58.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.87	
26 05 33 13-1047 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....1,592.08	1,592.08	119.48
For Installation Above 14', Add	35.84	
For Work In Restricted Working Space, Add	71.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	71.69	
<b>26 05 33 13-1048 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Bodies (26 05 33 13-0823)</b>		
26 05 33 13-1049 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....211.53	211.53	20.93
For Installation Above 14', Add	6.28	
For Work In Restricted Working Space, Add	12.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.56	
26 05 33 13-1050 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....226.46	226.46	23.98
For Installation Above 14', Add	7.20	
For Work In Restricted Working Space, Add	14.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.39	
26 05 33 13-1051 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....258.51	258.51	27.47
For Installation Above 14', Add	8.24	
For Work In Restricted Working Space, Add	16.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.48	
26 05 33 13-1052 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body .....288.36	288.36	31.83
For Installation Above 14', Add	9.55	
For Work In Restricted Working Space, Add	19.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.10	
26 05 33 13-1053 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body .....353.05	353.05	34.88
For Installation Above 14', Add	10.47	
For Work In Restricted Working Space, Add	20.93	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.93	
26 05 33 13-1054 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....395.05	395.05	41.86
For Installation Above 14', Add	12.56	
For Work In Restricted Working Space, Add	25.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.12	
26 05 33 13-1055 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body .....555.82	555.82	58.87
For Installation Above 14', Add	17.66	
For Work In Restricted Working Space, Add	35.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.32	
26 05 33 13-1056 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....777.65	777.65	78.49
For Installation Above 14', Add	23.55	
For Work In Restricted Working Space, Add	47.09	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.09	
26 05 33 13-1057 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body .....1,149.93	1,149.93	98.11
For Installation Above 14', Add	29.43	
For Work In Restricted Working Space, Add	58.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.87	
26 05 33 13-1058 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....1,694.60	1,694.60	119.48
For Installation Above 14', Add	35.84	
For Work In Restricted Working Space, Add	71.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	71.69	
<b>26 05 33 13-1059 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Bodies (26 05 33 13-0823)</b>		
26 05 33 13-1060 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....165.34	165.34	20.93
For Installation Above 14', Add	6.28	
For Work In Restricted Working Space, Add	12.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1061 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	174.73	23.98
<i>For Installation Above 14', Add</i>	7.20	
<i>For Work In Restricted Working Space, Add</i>	14.39	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.39	
26 05 33 13-1062 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	200.82	27.47
<i>For Installation Above 14', Add</i>	8.24	
<i>For Work In Restricted Working Space, Add</i>	16.48	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.48	
26 05 33 13-1063 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body .....	222.93	31.83
<i>For Installation Above 14', Add</i>	9.55	
<i>For Work In Restricted Working Space, Add</i>	19.10	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.10	
26 05 33 13-1064 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body .....	314.95	34.88
<i>For Installation Above 14', Add</i>	10.47	
<i>For Work In Restricted Working Space, Add</i>	20.93	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.93	
26 05 33 13-1065 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	397.35	41.86
<i>For Installation Above 14', Add</i>	12.56	
<i>For Work In Restricted Working Space, Add</i>	25.12	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.12	
26 05 33 13-1066 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body .....	622.81	58.87
<i>For Installation Above 14', Add</i>	17.66	
<i>For Work In Restricted Working Space, Add</i>	35.32	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.32	
26 05 33 13-1067 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	913.95	78.49
<i>For Installation Above 14', Add</i>	23.55	
<i>For Work In Restricted Working Space, Add</i>	47.09	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.09	
26 05 33 13-1068 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body .....	1,149.93	98.11
<i>For Installation Above 14', Add</i>	29.43	
<i>For Work In Restricted Working Space, Add</i>	58.87	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.87	
<b>26 05 33 13-1069 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Bodies</b> <small>(26 05 33 13-0823)</small>		
26 05 33 13-1070 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	225.09	20.93
<i>For Installation Above 14', Add</i>	6.28	
<i>For Work In Restricted Working Space, Add</i>	12.56	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.56	
26 05 33 13-1071 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	249.07	23.98
<i>For Installation Above 14', Add</i>	7.20	
<i>For Work In Restricted Working Space, Add</i>	14.39	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.39	
26 05 33 13-1072 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	310.83	27.47
<i>For Installation Above 14', Add</i>	8.24	
<i>For Work In Restricted Working Space, Add</i>	16.48	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.48	
26 05 33 13-1073 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body .....	385.13	31.83
<i>For Installation Above 14', Add</i>	9.55	
<i>For Work In Restricted Working Space, Add</i>	19.10	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.10	
26 05 33 13-1074 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body .....	544.11	34.88
<i>For Installation Above 14', Add</i>	10.47	
<i>For Work In Restricted Working Space, Add</i>	20.93	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.93	
26 05 33 13-1075 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	652.05	41.86
<i>For Installation Above 14', Add</i>	12.56	
<i>For Work In Restricted Working Space, Add</i>	25.12	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.12	
<b>26 05 33 13-1076 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Couplings</b> <small>(26 05 33 13-0823)</small>		
26 05 33 13-1077 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	39.22	8.38
<i>For Installation Above 14', Add</i>	2.52	
<i>For Work In Restricted Working Space, Add</i>	5.03	
26 05 33 13-1078 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	53.02	10.06
<i>For Installation Above 14', Add</i>	3.02	
<i>For Work In Restricted Working Space, Add</i>	6.04	
26 05 33 13-1079 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	66.78	13.42
<i>For Installation Above 14', Add</i>	4.03	
<i>For Work In Restricted Working Space, Add</i>	8.05	
26 05 33 13-1080 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	93.48	16.77
<i>For Installation Above 14', Add</i>	5.03	
<i>For Work In Restricted Working Space, Add</i>	10.06	
26 05 33 13-1081 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	124.46	20.13
<i>For Installation Above 14', Add</i>	6.04	
<i>For Work In Restricted Working Space, Add</i>	12.08	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1082 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	225.01	23.48
For Installation Above 14', Add	7.04	
For Work In Restricted Working Space, Add	14.09	
26 05 33 13-1083 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	334.00	26.84
For Installation Above 14', Add	8.05	
For Work In Restricted Working Space, Add	16.10	
26 05 33 13-1084 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	419.87	30.19
For Installation Above 14', Add	9.06	
For Work In Restricted Working Space, Add	18.11	
26 05 33 13-1085 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	590.96	35.22
For Installation Above 14', Add	10.56	
For Work In Restricted Working Space, Add	21.13	
26 05 33 13-1086 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	719.96	40.25
For Installation Above 14', Add	12.08	
For Work In Restricted Working Space, Add	24.15	
26 05 33 13-1087 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	1,152.97	63.72
For Installation Above 14', Add	19.12	
For Work In Restricted Working Space, Add	38.24	
26 05 33 13-1088 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	1,566.31	97.27
For Installation Above 14', Add	29.18	
For Work In Restricted Working Space, Add	58.36	
<b>26 05 33 13-1089 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbows <small>(26 05 33 13-0823)</small></b>		
26 05 33 13-1090 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow .....	154.80	20.93
For Installation Above 14', Add	6.28	
For Work In Restricted Working Space, Add	12.56	
26 05 33 13-1091 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow .....	184.58	23.11
For Installation Above 14', Add	6.93	
For Work In Restricted Working Space, Add	13.87	
26 05 33 13-1092 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow .....	201.78	27.47
For Installation Above 14', Add	8.24	
For Work In Restricted Working Space, Add	16.48	
26 05 33 13-1093 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow .....	297.32	31.83
For Installation Above 14', Add	9.55	
For Work In Restricted Working Space, Add	19.10	
26 05 33 13-1094 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow .....	399.02	34.88
For Installation Above 14', Add	10.47	
For Work In Restricted Working Space, Add	20.93	
26 05 33 13-1095 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow .....	426.65	41.86
For Installation Above 14', Add	12.56	
For Work In Restricted Working Space, Add	25.12	
26 05 33 13-1096 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow .....	1,047.04	58.00
For Installation Above 14', Add	17.40	
For Work In Restricted Working Space, Add	34.80	
26 05 33 13-1097 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow .....	1,088.25	78.49
For Installation Above 14', Add	23.55	
For Work In Restricted Working Space, Add	47.10	
26 05 33 13-1098 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow .....	1,809.33	98.11
For Installation Above 14', Add	29.43	
For Work In Restricted Working Space, Add	58.87	
26 05 33 13-1099 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow .....	1,867.71	119.48
For Installation Above 14', Add	35.85	
For Work In Restricted Working Space, Add	71.69	
<b>26 05 33 13-1100 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbows <small>(26 05 33 13-0823)</small></b>		
26 05 33 13-1101 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow .....	235.18	20.93
For Installation Above 14', Add	6.28	
For Work In Restricted Working Space, Add	12.56	
26 05 33 13-1102 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow .....	267.78	23.98
For Installation Above 14', Add	7.20	
For Work In Restricted Working Space, Add	14.39	
26 05 33 13-1103 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow .....	547.56	27.47
For Installation Above 14', Add	8.24	
For Work In Restricted Working Space, Add	16.48	
26 05 33 13-1104 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow .....	571.49	31.83
For Installation Above 14', Add	9.55	
For Work In Restricted Working Space, Add	19.10	
26 05 33 13-1105 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow .....	789.58	34.88
For Installation Above 14', Add	10.47	
For Work In Restricted Working Space, Add	20.93	
26 05 33 13-1106 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow .....	837.67	41.86
For Installation Above 14', Add	12.56	
For Work In Restricted Working Space, Add	25.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1107 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	1,631.65	58.87
<i>For Installation Above 14', Add</i>	17.66	
<i>For Work In Restricted Working Space, Add</i>	35.32	
26 05 33 13-1108 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	1,700.82	78.49
<i>For Installation Above 14', Add</i>	23.55	
<i>For Work In Restricted Working Space, Add</i>	47.09	
26 05 33 13-1109 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	2,508.07	98.11
<i>For Installation Above 14', Add</i>	29.43	
<i>For Work In Restricted Working Space, Add</i>	58.87	
26 05 33 13-1110 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	2,831.83	119.48
<i>For Installation Above 14', Add</i>	35.84	
<i>For Work In Restricted Working Space, Add</i>	71.69	
<b>26 05 33 13-1111 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbows <small>(26 05 33 13-0823)</small></b>		
26 05 33 13-1112 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	87.42	10.90
<i>For Installation Above 14', Add</i>	3.27	
<i>For Work In Restricted Working Space, Add</i>	6.54	
26 05 33 13-1113 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	100.93	13.52
<i>For Installation Above 14', Add</i>	4.06	
<i>For Work In Restricted Working Space, Add</i>	8.11	
26 05 33 13-1114 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	119.77	16.57
<i>For Installation Above 14', Add</i>	4.97	
<i>For Work In Restricted Working Space, Add</i>	9.94	
26 05 33 13-1115 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	141.75	19.19
<i>For Installation Above 14', Add</i>	5.76	
<i>For Work In Restricted Working Space, Add</i>	11.51	
<b>26 05 33 13-1116 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbows <small>(26 05 33 13-0823)</small></b>		
26 05 33 13-1117 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	66.48	10.90
<i>For Installation Above 14', Add</i>	3.27	
<i>For Work In Restricted Working Space, Add</i>	6.54	
26 05 33 13-1118 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	75.79	13.52
<i>For Installation Above 14', Add</i>	4.06	
<i>For Work In Restricted Working Space, Add</i>	8.11	
26 05 33 13-1119 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	107.53	16.57
<i>For Installation Above 14', Add</i>	4.97	
<i>For Work In Restricted Working Space, Add</i>	9.94	
26 05 33 13-1120 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	141.84	19.19
<i>For Installation Above 14', Add</i>	5.76	
<i>For Work In Restricted Working Space, Add</i>	11.51	
26 05 33 13-1121 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	174.47	21.80
<i>For Installation Above 14', Add</i>	6.54	
<i>For Work In Restricted Working Space, Add</i>	13.08	
26 05 33 13-1122 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	258.37	23.98
<i>For Installation Above 14', Add</i>	7.20	
<i>For Work In Restricted Working Space, Add</i>	14.39	
26 05 33 13-1123 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	355.81	30.09
<i>For Installation Above 14', Add</i>	9.03	
<i>For Work In Restricted Working Space, Add</i>	18.05	
<b>26 05 33 13-1124 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbows <small>(26 05 33 13-0823)</small></b>		
26 05 33 13-1125 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	87.47	10.90
<i>For Installation Above 14', Add</i>	3.27	
<i>For Work In Restricted Working Space, Add</i>	6.54	
26 05 33 13-1126 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	103.82	13.52
<i>For Installation Above 14', Add</i>	4.06	
<i>For Work In Restricted Working Space, Add</i>	8.11	
26 05 33 13-1127 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	119.80	16.57
<i>For Installation Above 14', Add</i>	4.97	
<i>For Work In Restricted Working Space, Add</i>	9.94	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1128	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	141.80	19.19
			<i>For Installation Above 14', Add</i>	5.76	
			<i>For Work In Restricted Working Space, Add</i>	11.51	
<b>26 05 33 13-1129</b>			<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbows</b> <small>(26 05 33 13-0823)</small>		
26 05 33 13-1130	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	66.55	10.90
			<i>For Installation Above 14', Add</i>	3.27	
			<i>For Work In Restricted Working Space, Add</i>	6.54	
26 05 33 13-1131	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	75.79	13.52
			<i>For Installation Above 14', Add</i>	4.06	
			<i>For Work In Restricted Working Space, Add</i>	8.11	
26 05 33 13-1132	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	98.86	16.57
			<i>For Installation Above 14', Add</i>	4.97	
			<i>For Work In Restricted Working Space, Add</i>	9.94	
26 05 33 13-1133	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	125.00	19.19
			<i>For Installation Above 14', Add</i>	5.76	
			<i>For Work In Restricted Working Space, Add</i>	11.51	
26 05 33 13-1134	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	147.04	21.80
			<i>For Installation Above 14', Add</i>	6.54	
			<i>For Work In Restricted Working Space, Add</i>	13.08	
26 05 33 13-1135	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	170.51	23.98
			<i>For Installation Above 14', Add</i>	7.20	
			<i>For Work In Restricted Working Space, Add</i>	14.39	
26 05 33 13-1136	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	333.41	30.09
			<i>For Installation Above 14', Add</i>	9.03	
			<i>For Work In Restricted Working Space, Add</i>	18.05	
26 05 33 13-1137	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	375.51	40.99
			<i>For Installation Above 14', Add</i>	12.30	
			<i>For Work In Restricted Working Space, Add</i>	24.59	
26 05 33 13-1138	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	403.10	46.22
			<i>For Installation Above 14', Add</i>	13.87	
			<i>For Work In Restricted Working Space, Add</i>	27.73	
26 05 33 13-1139	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	494.12	60.17
			<i>For Installation Above 14', Add</i>	18.05	
			<i>For Work In Restricted Working Space, Add</i>	36.11	
<b>26 05 33 13-1140</b>			<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbows</b> <small>(26 05 33 13-0823)</small>		
26 05 33 13-1141	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow.....	141.24	20.93
			<i>For Installation Above 14', Add</i>	6.28	
			<i>For Work In Restricted Working Space, Add</i>	12.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.56	
26 05 33 13-1142	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow.....	151.25	23.98
			<i>For Installation Above 14', Add</i>	7.20	
			<i>For Work In Restricted Working Space, Add</i>	14.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.39	
26 05 33 13-1143	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow.....	164.33	27.47
			<i>For Installation Above 14', Add</i>	8.24	
			<i>For Work In Restricted Working Space, Add</i>	16.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.48	
26 05 33 13-1144	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow.....	225.85	31.83
			<i>For Installation Above 14', Add</i>	9.55	
			<i>For Work In Restricted Working Space, Add</i>	19.10	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.10	
26 05 33 13-1145	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow.....	293.08	34.88
			<i>For Installation Above 14', Add</i>	10.47	
			<i>For Work In Restricted Working Space, Add</i>	20.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.93	
<b>26 05 33 13-1146</b>			<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Boxes With Cast Iron Cover</b> <small>(26 05 33 13-0823)</small>		
26 05 33 13-1147	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover.....	174.42	20.93
			<i>For Installation Above 14', Add</i>	6.28	
			<i>For Work In Restricted Working Space, Add</i>	12.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1148 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	186.47 7.20 14.39	23.98
26 05 33 13-1149 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	218.52 8.24 16.48	27.47
26 05 33 13-1150 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	319.91 9.55 19.10	31.83
26 05 33 13-1151 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	536.80 10.47 20.93	34.88
26 05 33 13-1152 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	575.79 12.56 25.12	41.86
<b>26 05 33 13-1153 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Boxes With Cast Iron Cover <small>(26 05 33 13-0823)</small></b>		
26 05 33 13-1154 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	193.25 6.28 12.56	20.93
26 05 33 13-1155 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	217.88 7.20 14.39	23.98
26 05 33 13-1156 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	236.44 8.24 16.48	27.47
26 05 33 13-1157 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	338.12 9.55 19.10	31.83
26 05 33 13-1158 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	580.24 10.47 20.93	34.88
26 05 33 13-1159 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	615.65 12.56 25.12	41.86
<b>26 05 33 13-1160 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Boxes With Cast Iron Cover <small>(26 05 33 13-0823)</small></b>		
26 05 33 13-1161 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	193.39 6.28 12.56	20.93
26 05 33 13-1162 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	212.32 7.20 14.39	23.98
26 05 33 13-1163 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	253.74 8.24 16.48	27.47
26 05 33 13-1164 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	351.99 9.55 19.10	31.83
26 05 33 13-1165 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	600.94 10.47 20.93	34.88
26 05 33 13-1166 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	641.17 12.56 25.12	41.86
<b>26 05 33 13-1167 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Boxes With Cast Iron Cover <small>(26 05 33 13-0823)</small></b>		
26 05 33 13-1168 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	245.53 6.28 12.56	20.93



**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1169 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover.....	270.27	23.98
For Installation Above 14', Add	7.20	
For Work In Restricted Working Space, Add	14.39	
26 05 33 13-1170 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover.....	291.43	27.47
For Installation Above 14', Add	8.24	
For Work In Restricted Working Space, Add	16.48	
26 05 33 13-1171 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover.....	773.31	31.83
For Installation Above 14', Add	9.55	
For Work In Restricted Working Space, Add	19.10	
<b>26 05 33 13-1172 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Boxes (26 05 33 13-0823)</b>		
Note: Excludes cover.		
26 05 33 13-1173 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box .....	106.52	20.93
For Installation Above 14', Add	6.28	
For Work In Restricted Working Space, Add	12.56	
26 05 33 13-1174 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box .....	116.13	23.98
For Installation Above 14', Add	7.20	
For Work In Restricted Working Space, Add	14.39	
26 05 33 13-1175 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box .....	128.95	27.47
For Installation Above 14', Add	8.24	
For Work In Restricted Working Space, Add	16.48	
26 05 33 13-1176 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box .....	120.66	20.93
For Installation Above 14', Add	6.28	
For Work In Restricted Working Space, Add	12.56	
26 05 33 13-1177 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box .....	128.49	23.98
For Installation Above 14', Add	7.20	
For Work In Restricted Working Space, Add	14.39	
26 05 33 13-1178 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box .....	146.12	27.47
For Installation Above 14', Add	8.24	
For Work In Restricted Working Space, Add	16.48	
<b>26 05 33 13-1179 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Boxes (26 05 33 13-0823)</b>		
Note: Excludes cover.		
26 05 33 13-1180 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box .....	113.21	20.93
For Installation Above 14', Add	6.28	
For Work In Restricted Working Space, Add	12.56	
26 05 33 13-1181 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box .....	123.65	23.98
For Installation Above 14', Add	7.20	
For Work In Restricted Working Space, Add	14.39	
26 05 33 13-1182 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box .....	134.14	27.47
For Installation Above 14', Add	8.24	
For Work In Restricted Working Space, Add	16.48	
26 05 33 13-1183 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box .....	130.22	20.93
For Installation Above 14', Add	6.28	
For Work In Restricted Working Space, Add	12.56	
26 05 33 13-1184 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box .....	140.83	23.98
For Installation Above 14', Add	7.20	
For Work In Restricted Working Space, Add	14.39	
26 05 33 13-1185 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box .....	158.82	27.47
For Installation Above 14', Add	8.24	
For Work In Restricted Working Space, Add	16.48	
<b>26 05 33 13-1186 Polyvinyl Chloride (PVC) Coated, Urethane Lined, FS And FD Series Covers (26 05 33 13-0823)</b>		
26 05 33 13-1187 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS23, FS And FD Series Cover.....	45.25	2.62
For Installation Above 14', Add	0.79	
For Work In Restricted Working Space, Add	1.57	
26 05 33 13-1188 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS21G, FS And FD Series Cover.....	62.08	3.05
For Installation Above 14', Add	0.92	
For Work In Restricted Working Space, Add	1.83	
26 05 33 13-1189 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS32G, FS And FD Series Cover.....	58.41	3.05
For Installation Above 14', Add	0.92	
For Work In Restricted Working Space, Add	1.83	
26 05 33 13-1190 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS100G, FS And FD Series Cover.....	51.56	3.05
For Installation Above 14', Add	0.92	
For Work In Restricted Working Space, Add	1.83	
26 05 33 13-1191 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRD1, FS And FD Series Cover.....	262.68	4.36
For Installation Above 14', Add	1.31	
For Work In Restricted Working Space, Add	2.62	
26 05 33 13-1192 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRS1, FS And FD Series Cover .....	232.97	4.36
For Installation Above 14', Add	1.31	
For Work In Restricted Working Space, Add	2.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 33 13-1193 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Mogul Conduit Bodies</b> <small>(26 05 33 13-0823)</small>		
<i>Note: Includes covers.</i>		
26 05 33 13-1194 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	249.91	27.47
<i>For Installation Above 14', Add</i>	8.24	
<i>For Work In Restricted Working Space, Add</i>	16.48	
26 05 33 13-1195 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	279.66	31.83
<i>For Installation Above 14', Add</i>	9.55	
<i>For Work In Restricted Working Space, Add</i>	19.10	
26 05 33 13-1196 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	395.86	34.88
<i>For Installation Above 14', Add</i>	10.47	
<i>For Work In Restricted Working Space, Add</i>	20.93	
26 05 33 13-1197 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	471.38	41.86
<i>For Installation Above 14', Add</i>	12.56	
<i>For Work In Restricted Working Space, Add</i>	25.12	
26 05 33 13-1198 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	682.70	58.87
<i>For Installation Above 14', Add</i>	17.66	
<i>For Work In Restricted Working Space, Add</i>	35.32	
26 05 33 13-1199 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	856.93	78.49
<i>For Installation Above 14', Add</i>	23.55	
<i>For Work In Restricted Working Space, Add</i>	47.09	
26 05 33 13-1200 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	1,274.22	98.11
<i>For Installation Above 14', Add</i>	29.43	
<i>For Work In Restricted Working Space, Add</i>	58.87	
26 05 33 13-1201 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	1,583.48	119.48
<i>For Installation Above 14', Add</i>	35.84	
<i>For Work In Restricted Working Space, Add</i>	71.69	
26 05 33 13-1202 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....	249.91	27.47
<i>For Installation Above 14', Add</i>	8.24	
<i>For Work In Restricted Working Space, Add</i>	16.48	
26 05 33 13-1203 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....	279.66	31.83
<i>For Installation Above 14', Add</i>	9.55	
<i>For Work In Restricted Working Space, Add</i>	19.10	
26 05 33 13-1204 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....	394.66	34.88
<i>For Installation Above 14', Add</i>	10.47	
<i>For Work In Restricted Working Space, Add</i>	20.93	
26 05 33 13-1205 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....	459.28	41.86
<i>For Installation Above 14', Add</i>	12.56	
<i>For Work In Restricted Working Space, Add</i>	25.12	
26 05 33 13-1206 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....	693.84	58.87
<i>For Installation Above 14', Add</i>	17.66	
<i>For Work In Restricted Working Space, Add</i>	35.32	
26 05 33 13-1207 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....	906.91	78.49
<i>For Installation Above 14', Add</i>	23.55	
<i>For Work In Restricted Working Space, Add</i>	47.09	
26 05 33 13-1208 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....	1,334.55	98.11
<i>For Installation Above 14', Add</i>	29.43	
<i>For Work In Restricted Working Space, Add</i>	58.87	
26 05 33 13-1209 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body.....	1,621.05	119.48
<i>For Installation Above 14', Add</i>	35.84	
<i>For Work In Restricted Working Space, Add</i>	71.69	
26 05 33 13-1210 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	249.91	27.47
<i>For Installation Above 14', Add</i>	8.24	
<i>For Work In Restricted Working Space, Add</i>	16.48	
26 05 33 13-1211 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	279.66	31.83
<i>For Installation Above 14', Add</i>	9.55	
<i>For Work In Restricted Working Space, Add</i>	19.10	
26 05 33 13-1212 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	394.66	34.88
<i>For Installation Above 14', Add</i>	10.47	
<i>For Work In Restricted Working Space, Add</i>	20.93	
26 05 33 13-1213 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	459.28	41.86
<i>For Installation Above 14', Add</i>	12.56	
<i>For Work In Restricted Working Space, Add</i>	25.12	
26 05 33 13-1214 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	693.84	58.87
<i>For Installation Above 14', Add</i>	17.66	
<i>For Work In Restricted Working Space, Add</i>	35.32	
26 05 33 13-1215 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	906.91	78.49
<i>For Installation Above 14', Add</i>	23.55	
<i>For Work In Restricted Working Space, Add</i>	47.09	
26 05 33 13-1216 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	1,334.55	98.11
<i>For Installation Above 14', Add</i>	29.43	
<i>For Work In Restricted Working Space, Add</i>	58.87	
26 05 33 13-1217 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	1,621.05	119.48
<i>For Installation Above 14', Add</i>	35.84	
<i>For Work In Restricted Working Space, Add</i>	71.69	
26 05 33 13-1218 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	249.91	27.47
<i>For Installation Above 14', Add</i>	8.24	
<i>For Work In Restricted Working Space, Add</i>	16.48	
26 05 33 13-1219 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	279.66	31.83
<i>For Installation Above 14', Add</i>	9.55	
<i>For Work In Restricted Working Space, Add</i>	19.10	
26 05 33 13-1220 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	395.86	34.88
<i>For Installation Above 14', Add</i>	10.47	
<i>For Work In Restricted Working Space, Add</i>	20.93	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1221 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	465.80	41.86
For Installation Above 14', Add	12.56	
For Work In Restricted Working Space, Add	25.12	
26 05 33 13-1222 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	682.70	58.87
For Installation Above 14', Add	17.66	
For Work In Restricted Working Space, Add	35.32	
26 05 33 13-1223 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	856.93	78.49
For Installation Above 14', Add	23.55	
For Work In Restricted Working Space, Add	47.09	
26 05 33 13-1224 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	1,274.22	98.11
For Installation Above 14', Add	29.43	
For Work In Restricted Working Space, Add	58.87	
26 05 33 13-1225 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body.....	1,599.13	119.48
For Installation Above 14', Add	35.84	
For Work In Restricted Working Space, Add	71.69	
<b>26 05 33 13-1226 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Covers</b> <small>(26 05 33 13-0823)</small>		
26 05 33 13-1227 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	134.87	3.92
For Installation Above 14', Add	1.18	
For Work In Restricted Working Space, Add	2.36	
26 05 33 13-1228 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	135.75	4.36
For Installation Above 14', Add	1.31	
For Work In Restricted Working Space, Add	2.62	
26 05 33 13-1229 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	191.97	6.11
For Installation Above 14', Add	1.83	
For Work In Restricted Working Space, Add	3.66	
26 05 33 13-1230 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	193.71	6.98
For Installation Above 14', Add	2.09	
For Work In Restricted Working Space, Add	4.19	
26 05 33 13-1231 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	342.75	8.28
For Installation Above 14', Add	2.49	
For Work In Restricted Working Space, Add	4.97	
26 05 33 13-1232 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	347.11	10.46
For Installation Above 14', Add	3.14	
For Work In Restricted Working Space, Add	6.28	
26 05 33 13-1233 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	527.17	11.77
For Installation Above 14', Add	3.53	
For Work In Restricted Working Space, Add	7.07	
26 05 33 13-1234 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover.....	534.14	15.26
For Installation Above 14', Add	4.58	
For Work In Restricted Working Space, Add	9.16	
<b>26 05 33 13-1235 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings</b> <small>(26 05 33 13-0823)</small>		
26 05 33 13-1236 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	227.74	10.90
For Installation Above 14', Add	3.27	
For Work In Restricted Working Space, Add	6.54	
26 05 33 13-1237 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	268.39	13.52
For Installation Above 14', Add	4.06	
For Work In Restricted Working Space, Add	8.11	
26 05 33 13-1238 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	317.06	16.57
For Installation Above 14', Add	4.97	
For Work In Restricted Working Space, Add	9.94	
26 05 33 13-1239 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	391.94	19.19
For Installation Above 14', Add	5.76	
For Work In Restricted Working Space, Add	11.51	
26 05 33 13-1240 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	528.16	21.80
For Installation Above 14', Add	6.54	
For Work In Restricted Working Space, Add	13.08	
26 05 33 13-1241 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	738.03	23.98
For Installation Above 14', Add	7.20	
For Work In Restricted Working Space, Add	14.39	
26 05 33 13-1242 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,058.56	30.09
For Installation Above 14', Add	9.03	
For Work In Restricted Working Space, Add	18.05	
26 05 33 13-1243 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,312.36	40.99
For Installation Above 14', Add	12.30	
For Work In Restricted Working Space, Add	24.59	
26 05 33 13-1244 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,853.62	46.22
For Installation Above 14', Add	13.87	
For Work In Restricted Working Space, Add	27.73	
26 05 33 13-1245 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	2,128.83	60.17
For Installation Above 14', Add	18.05	
For Work In Restricted Working Space, Add	36.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 33 13-1246 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings With Bonding Jumper</b> <small>(26 05 33 13-0823)</small>		
26 05 33 13-1247 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper .....	368.83	10.90
<i>For Installation Above 14', Add</i>	3.27	
<i>For Work In Restricted Working Space, Add</i>	6.54	
26 05 33 13-1248 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper .....	380.61	13.52
<i>For Installation Above 14', Add</i>	4.06	
<i>For Work In Restricted Working Space, Add</i>	8.11	
26 05 33 13-1249 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper .....	425.95	16.57
<i>For Installation Above 14', Add</i>	4.97	
<i>For Work In Restricted Working Space, Add</i>	9.94	
26 05 33 13-1250 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper .....	516.38	19.19
<i>For Installation Above 14', Add</i>	5.76	
<i>For Work In Restricted Working Space, Add</i>	11.51	
26 05 33 13-1251 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper .....	627.51	21.80
<i>For Installation Above 14', Add</i>	6.54	
<i>For Work In Restricted Working Space, Add</i>	13.08	
26 05 33 13-1252 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper .....	806.43	23.98
<i>For Installation Above 14', Add</i>	7.20	
<i>For Work In Restricted Working Space, Add</i>	14.39	
26 05 33 13-1253 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper .....	1,196.34	30.09
<i>For Installation Above 14', Add</i>	9.03	
<i>For Work In Restricted Working Space, Add</i>	18.05	
26 05 33 13-1254 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper .....	1,496.47	40.99
<i>For Installation Above 14', Add</i>	12.30	
<i>For Work In Restricted Working Space, Add</i>	24.59	
26 05 33 13-1255 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper .....	1,913.06	46.22
<i>For Installation Above 14', Add</i>	13.87	
<i>For Work In Restricted Working Space, Add</i>	27.73	
26 05 33 13-1256 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper .....	2,392.07	60.17
<i>For Installation Above 14', Add</i>	18.05	
<i>For Work In Restricted Working Space, Add</i>	36.11	
<b>26 05 33 13-1257 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STG Knockout Hubs</b> <small>(26 05 33 13-0823)</small>		
26 05 33 13-1258 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....	73.47	5.24
<i>For Installation Above 14', Add</i>	1.57	
<i>For Work In Restricted Working Space, Add</i>	3.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.14	
26 05 33 13-1259 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....	78.75	6.54
<i>For Installation Above 14', Add</i>	1.96	
<i>For Work In Restricted Working Space, Add</i>	3.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.92	
26 05 33 13-1260 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....	85.94	7.85
<i>For Installation Above 14', Add</i>	2.36	
<i>For Work In Restricted Working Space, Add</i>	4.71	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.71	
26 05 33 13-1261 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....	96.48	9.60
<i>For Installation Above 14', Add</i>	2.88	
<i>For Work In Restricted Working Space, Add</i>	5.76	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.76	
26 05 33 13-1262 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....	131.89	10.90
<i>For Installation Above 14', Add</i>	3.27	
<i>For Work In Restricted Working Space, Add</i>	6.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.54	
26 05 33 13-1263 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....	162.34	12.21
<i>For Installation Above 14', Add</i>	3.66	
<i>For Work In Restricted Working Space, Add</i>	7.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.33	
26 05 33 13-1264 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....	234.74	15.26
<i>For Installation Above 14', Add</i>	4.58	
<i>For Work In Restricted Working Space, Add</i>	9.16	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.16	
26 05 33 13-1265 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....	305.84	20.49
<i>For Installation Above 14', Add</i>	6.15	
<i>For Work In Restricted Working Space, Add</i>	12.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.30	
26 05 33 13-1266 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....	393.75	23.11
<i>For Installation Above 14', Add</i>	6.93	
<i>For Work In Restricted Working Space, Add</i>	13.87	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.87	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1267	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	494.14 9.03 18.05 18.05	30.09
26 05 33 13-1268	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	602.36 14.65 29.30 29.30	48.84
26 05 33 13-1269	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	908.43 22.11 44.22 44.22	73.69
<b>26 05 33 13-1270 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs</b> <small>(26 05 33 13-0823)</small>				
26 05 33 13-1271	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.55 1.57 3.14 3.14	5.24
26 05 33 13-1272	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	119.12 1.96 3.92 3.92	6.54
26 05 33 13-1273	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	127.20 2.36 4.71 4.71	7.85
26 05 33 13-1274	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.58 2.88 5.76 5.76	9.60
26 05 33 13-1275	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	154.60 3.27 6.54 6.54	10.90
26 05 33 13-1276	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	174.99 3.66 7.33 7.33	12.21
26 05 33 13-1277	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	270.24 4.58 9.16 9.16	15.26
26 05 33 13-1278	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	321.15 6.15 12.30 12.30	20.49
26 05 33 13-1279	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	397.06 6.93 13.87 13.87	23.11
26 05 33 13-1280	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	515.49 9.03 18.05 18.05	30.09
26 05 33 13-1281	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	799.78 14.65 29.30 29.30	48.84
26 05 33 13-1282	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,315.26 22.11 44.22 44.22	73.69
<b>26 05 33 13-1283 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs</b> <small>(26 05 33 13-0823)</small>				
26 05 33 13-1284	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	122.46 1.57 3.14 3.14	5.24
26 05 33 13-1285	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	127.57 1.96 3.92 3.92	6.54
26 05 33 13-1286	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	136.04 2.36 4.71 4.71	7.85
26 05 33 13-1287	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	171.42 2.88 5.76 5.76	9.60



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1288 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	186.99 3.27 6.54 6.54	10.90
26 05 33 13-1289 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	197.35 3.66 7.33 7.33	12.21
<b>26 05 33 13-1290 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions</b> <small>(26 05 33 13-0823)</small>		
26 05 33 13-1291 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	83.64 3.27 6.54	10.90
26 05 33 13-1292 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	90.00 4.06 8.11	13.52
26 05 33 13-1293 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	117.54 4.97 9.94	16.57
26 05 33 13-1294 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	174.21 5.76 11.51	19.19
26 05 33 13-1295 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	207.46 6.54 13.08	21.80
26 05 33 13-1296 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	266.32 7.20 14.39	23.98
26 05 33 13-1297 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	355.78 9.03 18.05	30.09
26 05 33 13-1298 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	467.72 9.03 18.05	30.09
26 05 33 13-1299 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	597.97 13.87 27.73	46.22
26 05 33 13-1300 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	769.46 18.05 36.11	60.17
26 05 33 13-1301 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,409.49 29.43 58.87	98.11
26 05 33 13-1302 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,739.76 44.22 88.43	147.39
<b>26 05 33 13-1303 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions</b> <small>(26 05 33 13-0823)</small>		
26 05 33 13-1304 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	85.72 3.27 6.54	10.90
26 05 33 13-1305 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	97.96 4.06 8.11	13.52
26 05 33 13-1306 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	121.78 4.97 9.94	16.57
26 05 33 13-1307 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	182.00 5.76 11.51	19.19
26 05 33 13-1308 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	218.26 6.54 13.08	21.80
26 05 33 13-1309 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	289.66 7.20 14.39	23.98
26 05 33 13-1310 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	405.71 9.03 18.05	30.09
26 05 33 13-1311 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	518.48 9.03 18.05	30.09
26 05 33 13-1312 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	689.76 13.87 27.73	46.22
26 05 33 13-1313 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union ..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	860.91 18.05 36.11	60.17

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1314	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,577.12 29.43 58.87	98.11
26 05 33	13-1315	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	2,010.43 44.22 88.43	147.39
<b>26 05 33 13-1316 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Reducing Couplings <small>(26 05 33 13-0823)</small></b>					
26 05 33	13-1317	EA	3/4" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	48.80 1.05 2.09	3.49
26 05 33	13-1318	EA	1" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	53.08 1.31 2.62	4.36
26 05 33	13-1319	EA	1" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	60.89 1.31 2.62	4.36
26 05 33	13-1320	EA	1-1/4" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	75.76 1.44 2.88	4.79
26 05 33	13-1321	EA	1-1/4" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	80.27 1.44 2.88	4.79
26 05 33	13-1322	EA	1-1/2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	67.56 1.70 3.40	5.67
26 05 33	13-1323	EA	1-1/2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	77.62 1.70 3.40	5.67
26 05 33	13-1324	EA	1-1/2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	122.88 1.70 3.40	5.67
26 05 33	13-1325	EA	2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	136.39 1.96 3.92	6.54
26 05 33	13-1326	EA	2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	132.49 1.96 3.92	6.54
26 05 33	13-1327	EA	2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	139.74 1.96 3.92	6.54
26 05 33	13-1328	EA	2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	158.00 1.96 3.92	6.54
26 05 33	13-1329	EA	2-1/2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	155.71 2.36 4.71	7.85
26 05 33	13-1330	EA	3" x 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	197.75 3.27 6.54	10.90
26 05 33	13-1331	EA	3-1/2" x 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	294.22 3.79 7.59	12.65
26 05 33	13-1332	EA	4" x 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	393.17 5.23 10.46	17.44
26 05 33	13-1333	EA	5" x 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	489.73 7.20 14.39	23.98
<b>26 05 33 13-1334 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples <small>(26 05 33 13-0823)</small></b>					
26 05 33	13-1335	EA	1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.00 1.57 3.14 3.14	5.24
26 05 33	13-1336	EA	3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.95 1.96 3.92 3.92	6.54
26 05 33	13-1337	EA	1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.42 2.49 4.97 4.97	8.28
26 05 33	13-1338	EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.38 2.88 5.76 5.76	9.60



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1339 EA 1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	45.75	10.90
<i>For Installation Above 14', Add</i>	3.27	
<i>For Work In Restricted Working Space, Add</i>	6.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.54	
26 05 33 13-1340 EA 1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	31.12	5.67
<i>For Installation Above 14', Add</i>	1.70	
<i>For Work In Restricted Working Space, Add</i>	3.40	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.40	
26 05 33 13-1341 EA 3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	33.35	6.54
<i>For Installation Above 14', Add</i>	1.96	
<i>For Work In Restricted Working Space, Add</i>	3.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.92	
26 05 33 13-1342 EA 1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	37.84	8.28
<i>For Installation Above 14', Add</i>	2.49	
<i>For Work In Restricted Working Space, Add</i>	4.97	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.97	
26 05 33 13-1343 EA 1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	44.94	9.60
<i>For Installation Above 14', Add</i>	2.88	
<i>For Work In Restricted Working Space, Add</i>	5.76	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.76	
26 05 33 13-1344 EA 1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	48.51	10.90
<i>For Installation Above 14', Add</i>	3.27	
<i>For Work In Restricted Working Space, Add</i>	6.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.54	
26 05 33 13-1345 EA 2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	52.33	12.21
<i>For Installation Above 14', Add</i>	3.66	
<i>For Work In Restricted Working Space, Add</i>	7.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.33	
26 05 33 13-1346 EA 1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	31.29	5.67
<i>For Installation Above 14', Add</i>	1.70	
<i>For Work In Restricted Working Space, Add</i>	3.40	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.40	
26 05 33 13-1347 EA 3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	33.52	6.54
<i>For Installation Above 14', Add</i>	1.96	
<i>For Work In Restricted Working Space, Add</i>	3.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.92	
26 05 33 13-1348 EA 1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	38.16	8.28
<i>For Installation Above 14', Add</i>	2.49	
<i>For Work In Restricted Working Space, Add</i>	4.97	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.97	
26 05 33 13-1349 EA 1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	45.28	9.60
<i>For Installation Above 14', Add</i>	2.88	
<i>For Work In Restricted Working Space, Add</i>	5.76	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.76	
26 05 33 13-1350 EA 1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	48.85	10.90
<i>For Installation Above 14', Add</i>	3.27	
<i>For Work In Restricted Working Space, Add</i>	6.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.54	
26 05 33 13-1351 EA 2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	53.19	12.21
<i>For Installation Above 14', Add</i>	3.66	
<i>For Work In Restricted Working Space, Add</i>	7.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.33	
26 05 33 13-1352 EA 1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	33.56	5.67
<i>For Installation Above 14', Add</i>	1.70	
<i>For Work In Restricted Working Space, Add</i>	3.40	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.40	
26 05 33 13-1353 EA 3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	35.79	6.54
<i>For Installation Above 14', Add</i>	1.96	
<i>For Work In Restricted Working Space, Add</i>	3.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.92	
26 05 33 13-1354 EA 1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	40.60	8.28
<i>For Installation Above 14', Add</i>	2.49	
<i>For Work In Restricted Working Space, Add</i>	4.97	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.97	
26 05 33 13-1355 EA 1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	46.67	9.60
<i>For Installation Above 14', Add</i>	2.88	
<i>For Work In Restricted Working Space, Add</i>	5.76	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.76	
26 05 33 13-1356 EA 1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	50.38	10.90
<i>For Installation Above 14', Add</i>	3.27	
<i>For Work In Restricted Working Space, Add</i>	6.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.54	
26 05 33 13-1357 EA 2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	55.88	12.21
<i>For Installation Above 14', Add</i>	3.66	
<i>For Work In Restricted Working Space, Add</i>	7.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.33	
26 05 33 13-1358 EA 2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	79.58	14.82
<i>For Installation Above 14', Add</i>	4.45	
<i>For Work In Restricted Working Space, Add</i>	8.90	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.90	
26 05 33 13-1359 EA 3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	102.08	20.49
<i>For Installation Above 14', Add</i>	6.15	
<i>For Work In Restricted Working Space, Add</i>	12.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.30	



**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1360	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	33.73	5.67	
		<i>For Installation Above 14', Add</i>	1.70		
		<i>For Work In Restricted Working Space, Add</i>	3.40		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.40		
26 05 33 13-1361	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	36.10	6.54	
		<i>For Installation Above 14', Add</i>	1.96		
		<i>For Work In Restricted Working Space, Add</i>	3.92		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.92		
26 05 33 13-1362	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	40.93	8.28	
		<i>For Installation Above 14', Add</i>	2.49		
		<i>For Work In Restricted Working Space, Add</i>	4.97		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.97		
26 05 33 13-1363	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	48.06	9.60	
		<i>For Installation Above 14', Add</i>	2.88		
		<i>For Work In Restricted Working Space, Add</i>	5.76		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.76		
26 05 33 13-1364	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	51.91	10.90	
		<i>For Installation Above 14', Add</i>	3.27		
		<i>For Work In Restricted Working Space, Add</i>	6.54		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.54		
26 05 33 13-1365	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	58.56	12.21	
		<i>For Installation Above 14', Add</i>	3.66		
		<i>For Work In Restricted Working Space, Add</i>	7.33		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.33		
26 05 33 13-1366	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	81.95	14.82	
		<i>For Installation Above 14', Add</i>	4.45		
		<i>For Work In Restricted Working Space, Add</i>	8.90		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.90		
26 05 33 13-1367	EA	3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	107.19	20.49	
		<i>For Installation Above 14', Add</i>	6.15		
		<i>For Work In Restricted Working Space, Add</i>	12.30		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.30		
26 05 33 13-1368	EA	3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	128.77	23.11	
		<i>For Installation Above 14', Add</i>	6.93		
		<i>For Work In Restricted Working Space, Add</i>	13.86		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.86		
26 05 33 13-1369	EA	4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	148.50	30.09	
		<i>For Installation Above 14', Add</i>	9.03		
		<i>For Work In Restricted Working Space, Add</i>	18.05		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.05		
26 05 33 13-1370	EA	1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	34.04	5.67	
		<i>For Installation Above 14', Add</i>	1.70		
		<i>For Work In Restricted Working Space, Add</i>	3.40		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.40		
26 05 33 13-1371	EA	3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	36.44	6.54	
		<i>For Installation Above 14', Add</i>	1.96		
		<i>For Work In Restricted Working Space, Add</i>	3.92		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.92		
26 05 33 13-1372	EA	1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	41.29	8.28	
		<i>For Installation Above 14', Add</i>	2.49		
		<i>For Work In Restricted Working Space, Add</i>	4.97		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.97		
26 05 33 13-1373	EA	1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	48.71	9.60	
		<i>For Installation Above 14', Add</i>	2.88		
		<i>For Work In Restricted Working Space, Add</i>	5.76		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.76		
26 05 33 13-1374	EA	1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	52.59	10.90	
		<i>For Installation Above 14', Add</i>	3.27		
		<i>For Work In Restricted Working Space, Add</i>	6.54		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.54		
26 05 33 13-1375	EA	2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	60.02	12.21	
		<i>For Installation Above 14', Add</i>	3.66		
		<i>For Work In Restricted Working Space, Add</i>	7.33		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.33		
26 05 33 13-1376	EA	2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	91.39	14.82	
		<i>For Installation Above 14', Add</i>	4.45		
		<i>For Work In Restricted Working Space, Add</i>	8.90		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.90		
26 05 33 13-1377	EA	3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	114.83	20.49	
		<i>For Installation Above 14', Add</i>	6.15		
		<i>For Work In Restricted Working Space, Add</i>	12.30		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.30		
26 05 33 13-1378	EA	3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	130.40	23.11	
		<i>For Installation Above 14', Add</i>	6.93		
		<i>For Work In Restricted Working Space, Add</i>	13.86		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.86		
26 05 33 13-1379	EA	4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	152.86	30.09	
		<i>For Installation Above 14', Add</i>	9.03		
		<i>For Work In Restricted Working Space, Add</i>	18.05		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.05		
26 05 33 13-1380	EA	5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	227.02	41.42	
		<i>For Installation Above 14', Add</i>	12.43		
		<i>For Work In Restricted Working Space, Add</i>	24.85		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.85		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1381 EA 1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	34.64	5.67
<i>For Installation Above 14', Add</i>	1.70	
<i>For Work In Restricted Working Space, Add</i>	3.40	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.40	
26 05 33 13-1382 EA 3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	37.04	6.54
<i>For Installation Above 14', Add</i>	1.96	
<i>For Work In Restricted Working Space, Add</i>	3.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.92	
26 05 33 13-1383 EA 1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	41.94	8.28
<i>For Installation Above 14', Add</i>	2.49	
<i>For Work In Restricted Working Space, Add</i>	4.97	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.97	
26 05 33 13-1384 EA 1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	49.90	9.60
<i>For Installation Above 14', Add</i>	2.88	
<i>For Work In Restricted Working Space, Add</i>	5.76	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.76	
26 05 33 13-1385 EA 1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	54.02	10.90
<i>For Installation Above 14', Add</i>	3.27	
<i>For Work In Restricted Working Space, Add</i>	6.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.54	
26 05 33 13-1386 EA 2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	61.48	12.21
<i>For Installation Above 14', Add</i>	3.66	
<i>For Work In Restricted Working Space, Add</i>	7.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.33	
26 05 33 13-1387 EA 2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	100.97	14.82
<i>For Installation Above 14', Add</i>	4.45	
<i>For Work In Restricted Working Space, Add</i>	8.90	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.90	
26 05 33 13-1388 EA 3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	124.99	20.49
<i>For Installation Above 14', Add</i>	6.15	
<i>For Work In Restricted Working Space, Add</i>	12.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.30	
26 05 33 13-1389 EA 3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	139.55	23.11
<i>For Installation Above 14', Add</i>	6.93	
<i>For Work In Restricted Working Space, Add</i>	13.86	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.86	
26 05 33 13-1390 EA 4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	168.29	30.09
<i>For Installation Above 14', Add</i>	9.03	
<i>For Work In Restricted Working Space, Add</i>	18.05	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.05	
26 05 33 13-1391 EA 5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	250.09	41.42
<i>For Installation Above 14', Add</i>	12.43	
<i>For Work In Restricted Working Space, Add</i>	24.85	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.85	
26 05 33 13-1392 EA 1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	35.58	5.67
<i>For Installation Above 14', Add</i>	1.70	
<i>For Work In Restricted Working Space, Add</i>	3.40	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.40	
26 05 33 13-1393 EA 3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	37.95	6.54
<i>For Installation Above 14', Add</i>	1.96	
<i>For Work In Restricted Working Space, Add</i>	3.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.92	
26 05 33 13-1394 EA 1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	43.38	8.28
<i>For Installation Above 14', Add</i>	2.49	
<i>For Work In Restricted Working Space, Add</i>	4.97	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.97	
26 05 33 13-1395 EA 1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	50.22	9.60
<i>For Installation Above 14', Add</i>	2.88	
<i>For Work In Restricted Working Space, Add</i>	5.76	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.76	
26 05 33 13-1396 EA 1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	56.95	10.90
<i>For Installation Above 14', Add</i>	3.27	
<i>For Work In Restricted Working Space, Add</i>	6.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.54	
26 05 33 13-1397 EA 2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	68.62	12.21
<i>For Installation Above 14', Add</i>	3.66	
<i>For Work In Restricted Working Space, Add</i>	7.33	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.33	
26 05 33 13-1398 EA 2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	112.76	14.82
<i>For Installation Above 14', Add</i>	4.45	
<i>For Work In Restricted Working Space, Add</i>	8.90	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.90	
26 05 33 13-1399 EA 3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	138.88	20.49
<i>For Installation Above 14', Add</i>	6.15	
<i>For Work In Restricted Working Space, Add</i>	12.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.30	
26 05 33 13-1400 EA 3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	162.45	23.11
<i>For Installation Above 14', Add</i>	6.93	
<i>For Work In Restricted Working Space, Add</i>	13.86	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.86	
26 05 33 13-1401 EA 4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	191.46	30.09
<i>For Installation Above 14', Add</i>	9.03	
<i>For Work In Restricted Working Space, Add</i>	18.05	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.05	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1402	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	265.90	41.42	
		<i>For Installation Above 14', Add</i>	12.43		
		<i>For Work In Restricted Working Space, Add</i>	24.85		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.85		
26 05 33 13-1403	EA	1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	36.56	5.67	
		<i>For Installation Above 14', Add</i>	1.70		
		<i>For Work In Restricted Working Space, Add</i>	3.40		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.40		
26 05 33 13-1404	EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	38.91	6.54	
		<i>For Installation Above 14', Add</i>	1.96		
		<i>For Work In Restricted Working Space, Add</i>	3.92		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.92		
26 05 33 13-1405	EA	1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	44.79	8.28	
		<i>For Installation Above 14', Add</i>	2.49		
		<i>For Work In Restricted Working Space, Add</i>	4.97		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.97		
26 05 33 13-1406	EA	1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	54.53	9.60	
		<i>For Installation Above 14', Add</i>	2.88		
		<i>For Work In Restricted Working Space, Add</i>	5.76		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.76		
26 05 33 13-1407	EA	1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	63.89	10.90	
		<i>For Installation Above 14', Add</i>	3.27		
		<i>For Work In Restricted Working Space, Add</i>	6.54		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.54		
26 05 33 13-1408	EA	2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	79.12	12.21	
		<i>For Installation Above 14', Add</i>	3.66		
		<i>For Work In Restricted Working Space, Add</i>	7.33		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.33		
26 05 33 13-1409	EA	2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	125.22	14.82	
		<i>For Installation Above 14', Add</i>	4.45		
		<i>For Work In Restricted Working Space, Add</i>	8.90		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.90		
26 05 33 13-1410	EA	3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	156.68	20.49	
		<i>For Installation Above 14', Add</i>	6.15		
		<i>For Work In Restricted Working Space, Add</i>	12.30		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.30		
26 05 33 13-1411	EA	3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	186.51	23.11	
		<i>For Installation Above 14', Add</i>	6.93		
		<i>For Work In Restricted Working Space, Add</i>	13.86		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.86		
26 05 33 13-1412	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	231.99	30.09	
		<i>For Installation Above 14', Add</i>	9.03		
		<i>For Work In Restricted Working Space, Add</i>	18.05		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.05		
26 05 33 13-1413	EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	297.45	41.42	
		<i>For Installation Above 14', Add</i>	12.43		
		<i>For Work In Restricted Working Space, Add</i>	24.85		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.85		
26 05 33 13-1414	EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	37.56	5.67	
		<i>For Installation Above 14', Add</i>	1.70		
		<i>For Work In Restricted Working Space, Add</i>	3.40		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.40		
26 05 33 13-1415	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	40.03	6.54	
		<i>For Installation Above 14', Add</i>	1.96		
		<i>For Work In Restricted Working Space, Add</i>	3.92		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.92		
26 05 33 13-1416	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	48.39	8.28	
		<i>For Installation Above 14', Add</i>	2.49		
		<i>For Work In Restricted Working Space, Add</i>	4.97		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.97		
26 05 33 13-1417	EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	61.62	9.60	
		<i>For Installation Above 14', Add</i>	2.88		
		<i>For Work In Restricted Working Space, Add</i>	5.76		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.76		
26 05 33 13-1418	EA	1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	72.30	10.90	
		<i>For Installation Above 14', Add</i>	3.27		
		<i>For Work In Restricted Working Space, Add</i>	6.54		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.54		
26 05 33 13-1419	EA	2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	87.55	12.21	
		<i>For Installation Above 14', Add</i>	3.66		
		<i>For Work In Restricted Working Space, Add</i>	7.33		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.33		
26 05 33 13-1420	EA	2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	141.84	14.82	
		<i>For Installation Above 14', Add</i>	4.45		
		<i>For Work In Restricted Working Space, Add</i>	8.90		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.90		
26 05 33 13-1421	EA	3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	183.37	20.49	
		<i>For Installation Above 14', Add</i>	6.15		
		<i>For Work In Restricted Working Space, Add</i>	12.30		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.30		
26 05 33 13-1422	EA	3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	201.26	23.11	
		<i>For Installation Above 14', Add</i>	6.93		
		<i>For Work In Restricted Working Space, Add</i>	13.86		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.86		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1423 EA 4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	244.43	30.09
<i>For Installation Above 14', Add</i>	9.03	
<i>For Work In Restricted Working Space, Add</i>	18.05	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.05	
26 05 33 13-1424 EA 5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	301.96	41.42
<i>For Installation Above 14', Add</i>	12.43	
<i>For Work In Restricted Working Space, Add</i>	24.85	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.85	
<b>26 05 33 13-1425 Aluminum Rigid Conduit (ARC)</b> <small>(26 05 33 13-0058)</small>		
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
<b>26 05 33 13-1426 Aluminum Rigid Conduit (ARC) With Threaded Coupling</b> <small>(26 05 33 13-1425)</small>		
Note: Includes field bend conduit up to 1".		
26 05 33 13-1427 LF 1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	4.40	1.34
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.50	
<i>For Work In Restricted Working Space, Add</i>	1.01	
26 05 33 13-1428 LF 3/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	5.09	1.47
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.55	
<i>For Work In Restricted Working Space, Add</i>	1.11	
26 05 33 13-1429 LF 1" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	6.01	1.61
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.60	
<i>For Work In Restricted Working Space, Add</i>	1.21	
26 05 33 13-1430 LF 1-1/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling .....	6.97	1.75
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.65	
<i>For Work In Restricted Working Space, Add</i>	1.31	
26 05 33 13-1431 LF 1-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling .....	7.93	1.88
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.70	
<i>For Work In Restricted Working Space, Add</i>	1.41	
26 05 33 13-1432 LF 2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	9.71	2.15
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.81	
<i>For Work In Restricted Working Space, Add</i>	1.61	
26 05 33 13-1433 LF 2-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling .....	13.56	2.69
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.01	
<i>For Work In Restricted Working Space, Add</i>	2.01	
26 05 33 13-1434 LF 3" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	17.05	3.22
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.21	
<i>For Work In Restricted Working Space, Add</i>	2.42	
26 05 33 13-1435 LF 3-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling .....	20.86	4.02
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.51	
<i>For Work In Restricted Working Space, Add</i>	3.02	
26 05 33 13-1436 LF 4" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	25.55	5.09
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.91	
<i>For Work In Restricted Working Space, Add</i>	3.83	
26 05 33 13-1437 LF 5" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	34.41	6.44
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.42	
<i>For Work In Restricted Working Space, Add</i>	4.83	
26 05 33 13-1438 LF 6" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	44.23	8.05
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	3.02	
<i>For Work In Restricted Working Space, Add</i>	6.04	
<b>26 05 33 13-1439 Aluminum 90 Degree Elbows</b> <small>(26 05 33 13-1425)</small>		
26 05 33 13-1440 EA 1" Aluminum 90 Degree Elbow .....	28.59	6.98
<i>For Work In Restricted Working Space, Add</i>	5.23	
26 05 33 13-1441 EA 1-1/4" Aluminum 90 Degree Elbow .....	37.51	7.91
<i>For Work In Restricted Working Space, Add</i>	5.94	
26 05 33 13-1442 EA 1-1/2" Aluminum 90 Degree Elbow .....	46.39	9.13
<i>For Work In Restricted Working Space, Add</i>	6.84	
26 05 33 13-1443 EA 2" Aluminum 90 Degree Elbow .....	60.89	10.46
<i>For Work In Restricted Working Space, Add</i>	7.85	
26 05 33 13-1444 EA 2-1/2" Aluminum 90 Degree Elbow .....	90.37	12.75
<i>For Work In Restricted Working Space, Add</i>	9.56	
26 05 33 13-1445 EA 3" Aluminum 90 Degree Elbow .....	131.63	16.50
<i>For Work In Restricted Working Space, Add</i>	12.38	
26 05 33 13-1446 EA 3-1/2" Aluminum 90 Degree Elbow .....	187.22	18.51
<i>For Work In Restricted Working Space, Add</i>	13.88	
26 05 33 13-1447 EA 4" Aluminum 90 Degree Elbow .....	225.15	23.21
<i>For Work In Restricted Working Space, Add</i>	17.41	
26 05 33 13-1448 EA 5" Aluminum 90 Degree Elbow .....	588.71	37.84
<i>For Work In Restricted Working Space, Add</i>	28.37	
26 05 33 13-1449 EA 6" Aluminum 90 Degree Elbow .....	825.88	56.89
<i>For Work In Restricted Working Space, Add</i>	42.66	
<b>26 05 33 13-1450 Aluminum Bushing Set With Locknut</b> <small>(26 05 33 13-1425)</small>		
26 05 33 13-1451 EA 1/2" Aluminum Bushing Set With Locknut.....	7.56	2.69
<i>For Work In Restricted Working Space, Add</i>	2.01	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.01	
26 05 33 13-1452 EA 3/4" Aluminum Bushing Set With Locknut.....	12.15	3.49
<i>For Work In Restricted Working Space, Add</i>	2.62	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.62	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1453	EA		1" Aluminum Bushing Set With Locknut.....	11.28	4.29
			<i>For Work In Restricted Working Space, Add</i>	3.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.22	
26 05 33 13-1454	EA		1-1/4" Aluminum Bushing Set With Locknut.....	12.69	4.83
			<i>For Work In Restricted Working Space, Add</i>	3.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.62	
26 05 33 13-1455	EA		1-1/2" Aluminum Bushing Set With Locknut.....	15.55	5.91
			<i>For Work In Restricted Working Space, Add</i>	4.43	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.43	
26 05 33 13-1456	EA		2" Aluminum Bushing Set With Locknut.....	19.08	7.11
			<i>For Work In Restricted Working Space, Add</i>	5.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.33	
26 05 33 13-1457	EA		2-1/2" Aluminum Bushing Set With Locknut.....	23.77	8.45
			<i>For Work In Restricted Working Space, Add</i>	6.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.34	
26 05 33 13-1458	EA		3" Aluminum Bushing Set With Locknut.....	28.07	9.66
			<i>For Work In Restricted Working Space, Add</i>	7.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.25	
26 05 33 13-1459	EA		3-1/2" Aluminum Bushing Set With Locknut.....	30.34	10.46
			<i>For Work In Restricted Working Space, Add</i>	7.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.85	
26 05 33 13-1460	EA		4" Aluminum Bushing Set With Locknut.....	33.17	11.27
			<i>For Work In Restricted Working Space, Add</i>	8.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.45	
26 05 33 13-1461	EA		5" Aluminum Bushing Set With Locknut.....	43.83	15.02
			<i>For Work In Restricted Working Space, Add</i>	11.27	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.27	
26 05 33 13-1462	EA		6" Aluminum Bushing Set With Locknut.....	64.94	22.54
			<i>For Work In Restricted Working Space, Add</i>	16.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.91	
26 05 33 13-1463			<b>Schedule 40 Polyvinyl Chloride (PVC) Conduit</b> <small>(26 05 33 13-0058)</small>		
			Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-1464			<b>Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings</b> <small>(26 05 33 13-1463)</small>		
			Note: Includes field bend conduit up to 1".		
26 05 33 13-1465	LF		1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	2.56	0.95
			<i>For Schedule 60, Add</i>	0.16	
			<i>For Schedule 80, Add</i>	0.30	
26 05 33 13-1466	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	2.85	1.04
			<i>For Schedule 60, Add</i>	0.19	
			<i>For Schedule 80, Add</i>	0.34	
26 05 33 13-1467	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	3.41	1.22
			<i>For Schedule 60, Add</i>	0.24	
			<i>For Schedule 80, Add</i>	0.43	
26 05 33 13-1468	LF		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	3.95	1.39
			<i>For Schedule 60, Add</i>	0.29	
			<i>For Schedule 80, Add</i>	0.51	
26 05 33 13-1469	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	4.63	1.62
			<i>For Schedule 60, Add</i>	0.34	
			<i>For Schedule 80, Add</i>	0.60	
26 05 33 13-1470	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	5.39	1.86
			<i>For Schedule 60, Add</i>	0.42	
			<i>For Schedule 80, Add</i>	0.72	
26 05 33 13-1471	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	6.69	2.21
			<i>For Schedule 60, Add</i>	0.57	
			<i>For Schedule 80, Add</i>	0.96	
26 05 33 13-1472	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	7.78	2.56
			<i>For Schedule 60, Add</i>	0.67	
			<i>For Schedule 80, Add</i>	1.13	
26 05 33 13-1473	LF		3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	9.34	3.03
			<i>For Schedule 60, Add</i>	0.82	
			<i>For Schedule 80, Add</i>	1.38	
26 05 33 13-1474	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	11.27	3.72
			<i>For Schedule 60, Add</i>	0.96	
			<i>For Schedule 80, Add</i>	1.62	
26 05 33 13-1475	LF		5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	15.99	5.23
			<i>For Schedule 60, Add</i>	1.38	
			<i>For Schedule 80, Add</i>	2.32	
26 05 33 13-1476	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End.....	21.27	6.97
			<i>For Schedule 60, Add</i>	1.83	
			<i>For Schedule 80, Add</i>	3.08	
26 05 33 13-1477			<b>Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows</b> <small>(26 05 33 13-1463)</small>		
			See CSI section 26 05 33 13-2255 for conduit field bending.		
26 05 33 13-1478	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	12.46	4.65
			See CSI section 26 05 33 13-2255 for conduit field bending.		
			<i>For Schedule 60, Add</i>	0.79	
			<i>For Schedule 80, Add</i>	1.45	
26 05 33 13-1479	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	13.79	5.12
			See CSI section 26 05 33 13-2255 for conduit field bending.		
			<i>For Schedule 60, Add</i>	0.89	
			<i>For Schedule 80, Add</i>	1.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1480 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	16.09	5.81
See CSI section 26 05 33 13-2255 for conduit field bending.		
For Schedule 60, Add	1.11	
For Schedule 80, Add	2.00	
26 05 33 13-1481 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	20.85	7.45
See CSI section 26 05 33 13-2255 for conduit field bending.		
For Schedule 60, Add	1.49	
For Schedule 80, Add	2.65	
26 05 33 13-1482 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	26.29	9.31
See CSI section 26 05 33 13-2255 for conduit field bending.		
For Schedule 60, Add	1.92	
For Schedule 80, Add	3.39	
26 05 33 13-1483 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	33.27	11.63
See CSI section 26 05 33 13-2255 for conduit field bending.		
For Schedule 60, Add	2.50	
For Schedule 80, Add	4.37	
26 05 33 13-1484 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	42.31	13.96
See CSI section 26 05 33 13-2255 for conduit field bending.		
For Schedule 60, Add	3.60	
For Schedule 80, Add	6.09	
26 05 33 13-1485 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	52.84	16.28
See CSI section 26 05 33 13-2255 for conduit field bending.		
For Schedule 60, Add	5.07	
For Schedule 80, Add	8.32	
26 05 33 13-1486 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	66.30	19.77
See CSI section 26 05 33 13-2255 for conduit field bending.		
For Schedule 60, Add	6.69	
For Schedule 80, Add	10.85	
26 05 33 13-1487 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	79.84	23.26
See CSI section 26 05 33 13-2255 for conduit field bending.		
For Schedule 60, Add	8.33	
For Schedule 80, Add	13.41	
26 05 33 13-1488 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	110.94	29.08
See CSI section 26 05 33 13-2255 for conduit field bending.		
For Schedule 60, Add	13.20	
For Schedule 80, Add	20.65	
26 05 33 13-1489 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	135.98	34.89
See CSI section 26 05 33 13-2255 for conduit field bending.		
For Schedule 60, Add	16.55	
For Schedule 80, Add	25.78	
<b>26 05 33 13-1490 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows</b> <small>(26 05 33 13-1463)</small>		
See CSI section 26 05 33 13-2255 for conduit field bending.		
26 05 33 13-1491 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	12.46	4.65
See CSI section 26 05 33 13-2255 for conduit field bending.		
For Schedule 60, Add	0.79	
For Schedule 80, Add	1.45	
26 05 33 13-1492 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	13.73	5.12
See CSI section 26 05 33 13-2255 for conduit field bending.		
For Schedule 60, Add	0.87	
For Schedule 80, Add	1.61	
26 05 33 13-1493 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	16.01	5.81
See CSI section 26 05 33 13-2255 for conduit field bending.		
For Schedule 60, Add	1.09	
For Schedule 80, Add	1.97	
26 05 33 13-1494 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	20.61	7.45
See CSI section 26 05 33 13-2255 for conduit field bending.		
For Schedule 60, Add	1.43	
For Schedule 80, Add	2.56	
26 05 33 13-1495 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	25.75	9.31
See CSI section 26 05 33 13-2255 for conduit field bending.		
For Schedule 60, Add	1.79	
For Schedule 80, Add	3.20	
26 05 33 13-1496 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	32.99	11.63
See CSI section 26 05 33 13-2255 for conduit field bending.		
For Schedule 60, Add	2.43	
For Schedule 80, Add	4.28	
26 05 33 13-1497 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	41.77	13.96
See CSI section 26 05 33 13-2255 for conduit field bending.		
For Schedule 60, Add	3.46	
For Schedule 80, Add	5.90	
26 05 33 13-1498 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	52.15	16.28
See CSI section 26 05 33 13-2255 for conduit field bending.		
For Schedule 60, Add	4.90	
For Schedule 80, Add	8.08	
26 05 33 13-1499 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	64.39	19.77
See CSI section 26 05 33 13-2255 for conduit field bending.		
For Schedule 60, Add	6.21	
For Schedule 80, Add	10.18	
26 05 33 13-1500 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow.....	78.20	23.26
See CSI section 26 05 33 13-2255 for conduit field bending.		
For Schedule 60, Add	7.92	
For Schedule 80, Add	12.83	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1501	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2255 for conduit field bending.	108.80	29.08
			<i>For Schedule 60, Add</i>	12.66	
			<i>For Schedule 80, Add</i>	19.91	
26 05 33	13-1502	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2255 for conduit field bending.	129.63	34.89
			<i>For Schedule 60, Add</i>	14.96	
			<i>For Schedule 80, Add</i>	23.56	
<b>26 05 33 13-1503 Polyvinyl Chloride (PVC) Conduit Female Adapters (26 05 33 13-1463)</b>					
26 05 33	13-1504	EA	1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.52 2.44	3.26
26 05 33	13-1505	EA	3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.83 2.79	3.72
26 05 33	13-1506	EA	1" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.18 3.14	4.19
26 05 33	13-1507	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.61 3.49	4.65
26 05 33	13-1508	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.61 4.36	5.81
26 05 33	13-1509	EA	2" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.97 5.24	6.97
26 05 33	13-1510	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.06 6.98	9.31
26 05 33	13-1511	EA	3" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.89 8.72	11.63
26 05 33	13-1512	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.64 11.34	15.12
26 05 33	13-1513	EA	4" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.59 13.96	18.61
26 05 33	13-1514	EA	5" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.36 17.45	23.26
26 05 33	13-1515	EA	6" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.02 21.81	29.08
<b>26 05 33 13-1516 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug (26 05 33 13-1463)</b>					
26 05 33	13-1517	EA	1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.07 2.09	2.80
26 05 33	13-1518	EA	3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.46 2.44	3.26
26 05 33	13-1519	EA	1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.88 2.79	3.72
26 05 33	13-1520	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.37 3.14	4.19
26 05 33	13-1521	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.13 3.49	4.65
26 05 33	13-1522	EA	2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.60 4.01	5.35
26 05 33	13-1523	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.04 4.54	6.05
26 05 33	13-1524	EA	3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.07 5.24	6.97
26 05 33	13-1525	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.90 6.11	8.14
26 05 33	13-1526	EA	4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.03 6.98	9.31
26 05 33	13-1527	EA	5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.24 7.85	10.47
26 05 33	13-1528	EA	6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.65 8.72	11.63
<b>26 05 33 13-1529 Polyvinyl Chloride (PVC) Conduit Terminal Adapters (26 05 33 13-1463)</b>					
26 05 33	13-1530	EA	1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.27 2.69	
26 05 33	13-1531	EA	3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.24 3.22	
26 05 33	13-1532	EA	1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.53 3.57	
26 05 33	13-1533	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.10 3.98	
26 05 33	13-1534	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.47 4.36	5.81
26 05 33	13-1535	EA	2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.79 5.24	6.97
26 05 33	13-1536	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.69 6.98	9.31
26 05 33	13-1537	EA	3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.38 8.72	11.63
26 05 33	13-1538	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.99 11.34	15.12



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1539 EA 4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	50.92	18.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.96	
26 05 33 13-1540 EA 5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	67.04	23.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.45	
26 05 33 13-1541 EA 6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter.....	83.44	29.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.81	
<b>26 05 33 13-1542 Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover</b> <small>(26 05 33 13-1463)</small>		
26 05 33 13-1543 EA 1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	26.81	9.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.98	
26 05 33 13-1544 EA 3/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	31.20	10.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.85	
26 05 33 13-1545 EA 1" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	34.64	11.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.72	
26 05 33 13-1546 EA 1-1/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	42.83	13.96
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.47	
26 05 33 13-1547 EA 1-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	52.92	17.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.09	
26 05 33 13-1548 EA 2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	68.82	20.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.70	
26 05 33 13-1549 EA 2-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	119.97	23.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.45	
26 05 33 13-1550 EA 3" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	127.96	25.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.19	
26 05 33 13-1551 EA 3-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	138.82	29.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.81	
26 05 33 13-1552 EA 4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover.....	154.77	33.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.30	
<b>26 05 33 13-1553 Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover</b> <small>(26 05 33 13-1463)</small>		
26 05 33 13-1554 EA 1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover.....	38.26	13.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.06	
26 05 33 13-1555 EA 3/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover.....	42.82	14.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.07	
26 05 33 13-1556 EA 1" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover.....	46.31	16.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.08	
26 05 33 13-1557 EA 1-1/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover.....	57.89	18.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.09	
26 05 33 13-1558 EA 1-1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover.....	69.94	22.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.11	
26 05 33 13-1559 EA 2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover.....	85.96	26.84
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.12	
<b>26 05 33 13-1560 Polyvinyl Chloride (PVC) Conduit Expansion Joint</b> <small>(26 05 33 13-1463)</small>		
26 05 33 13-1561 EA 1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	59.41	11.63
26 05 33 13-1562 EA 3/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	65.99	13.96
26 05 33 13-1563 EA 1" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	73.03	16.28
26 05 33 13-1564 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	79.62	18.61
26 05 33 13-1565 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	86.02	20.93
26 05 33 13-1566 EA 2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	93.87	23.26
26 05 33 13-1567 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	115.17	26.76
26 05 33 13-1568 EA 3" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	138.27	30.24
26 05 33 13-1569 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	161.94	34.89
26 05 33 13-1570 EA 4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	192.78	40.71
26 05 33 13-1571 EA 5" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	255.75	48.85
26 05 33 13-1572 EA 6" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	336.54	62.81
<b>26 05 33 13-1573 Polyvinyl Chloride (PVC) Conduit End Caps</b> <small>(26 05 33 13-1463)</small>		
26 05 33 13-1574 EA 1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....	7.40	2.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.74	
26 05 33 13-1575 EA 3/4" Polyvinyl Chloride (PVC) Conduit End Cap.....	8.74	2.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.09	
26 05 33 13-1576 EA 1" Polyvinyl Chloride (PVC) Conduit End Cap.....	10.06	3.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.44	
26 05 33 13-1577 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit End Cap.....	12.07	3.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.79	
26 05 33 13-1578 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....	14.10	4.19
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.14	
26 05 33 13-1579 EA 2" Polyvinyl Chloride (PVC) Conduit End Cap.....	16.70	4.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.49	
26 05 33 13-1580 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....	24.12	5.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.01	
26 05 33 13-1581 EA 3" Polyvinyl Chloride (PVC) Conduit End Cap.....	26.37	6.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.54	
26 05 33 13-1582 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....	33.92	6.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.06	



**26 Electrical**

**26 05 Common Work Results For Electrical**

**26 05 33 Raceway And Boxes For Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1583	EA		4" Polyvinyl Chloride (PVC) Conduit End Cap ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.24 5.41	7.22
26 05 33 13-1584	EA		5" Polyvinyl Chloride (PVC) Conduit End Cap ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.98 6.11	8.14
26 05 33 13-1585	EA		6" Polyvinyl Chloride (PVC) Conduit End Cap ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.91 6.98	9.31
<b>26 05 33 13-1586 Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) <small>(26 05 33 13-1463)</small></b>					
26 05 33 13-1587	EA		2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways EZLB200) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.46 15.70	20.93
26 05 33 13-1588	EA		3/4" To 1-1/4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB121) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.53 10.47	13.96
26 05 33 13-1589	EA		1-1/2" To 2-1/2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB251) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	188.86 17.45	23.26
26 05 33 13-1590	EA		3" To 4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB401) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	368.74 25.30	33.73
<b>26 05 33 13-1591 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-0058)</small></b> Note: Exposed installation. Excludes supporting strap, hanger and fastening.					
<b>26 05 33 13-1592 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-1591)</small></b>					
26 05 33 13-1593	LF		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	4.36	0.95
26 05 33 13-1594	LF		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	4.85	1.04
26 05 33 13-1595	LF		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	5.41	1.21
26 05 33 13-1596	LF		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	5.97	1.39
26 05 33 13-1597	LF		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	6.76	1.62
26 05 33 13-1598	LF		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	7.41	1.86
26 05 33 13-1599	LF		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	8.82	2.21
26 05 33 13-1600	LF		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	10.35	2.56
26 05 33 13-1601	LF		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	12.02	3.03
26 05 33 13-1602	LF		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	14.26	3.72
26 05 33 13-1603	LF		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	19.28	5.23
26 05 33 13-1604	LF		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	25.19	6.97
<b>26 05 33 13-1605 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1591)</small></b>					
26 05 33 13-1606	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	48.20 3.32 4.82 6.32	4.65
26 05 33 13-1607	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	53.74 3.71 5.37 7.04	5.12
26 05 33 13-1608	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	55.90 3.83 5.59 7.35	5.81
26 05 33 13-1609	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	60.37 4.06 6.04 8.01	7.45
26 05 33 13-1610	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	65.43 4.33 6.54 8.76	9.31
26 05 33 13-1611	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	77.07 5.05 7.71 10.36	11.63
26 05 33 13-1612	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	92.33 6.05 9.23 12.41	13.96
26 05 33 13-1613	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	109.64 7.21 10.96 14.72	16.28
26 05 33 13-1614	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	126.98 8.29 12.70 17.11	19.77



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1615 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	144.31	23.26
<i>For 24" Radius, Add</i>	9.37	
<i>For 36" Radius, Add</i>	14.43	
<i>For 48" Radius, Add</i>	19.49	
26 05 33 13-1616 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	180.40	29.08
<i>For 24" Radius, Add</i>	11.71	
<i>For 36" Radius, Add</i>	18.04	
<i>For 48" Radius, Add</i>	24.37	
26 05 33 13-1617 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	221.86	34.89
<i>For 24" Radius, Add</i>	14.46	
<i>For 36" Radius, Add</i>	22.19	
<i>For 48" Radius, Add</i>	29.91	
<b>26 05 33 13-1618 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbows, 12" Large Radius Elbows</b> <small>(26 05 33 13-1591)</small>		
26 05 33 13-1619 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	41.61	4.65
<i>For 24" Radius, Add</i>	2.83	
<i>For 36" Radius, Add</i>	4.16	
<i>For 48" Radius, Add</i>	5.49	
26 05 33 13-1620 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	46.37	5.12
<i>For 24" Radius, Add</i>	3.16	
<i>For 36" Radius, Add</i>	4.64	
<i>For 48" Radius, Add</i>	6.12	
26 05 33 13-1621 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	48.45	5.81
<i>For 24" Radius, Add</i>	3.27	
<i>For 36" Radius, Add</i>	4.85	
<i>For 48" Radius, Add</i>	6.42	
26 05 33 13-1622 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	52.85	7.45
<i>For 24" Radius, Add</i>	3.50	
<i>For 36" Radius, Add</i>	5.29	
<i>For 48" Radius, Add</i>	7.07	
26 05 33 13-1623 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	57.84	9.31
<i>For 24" Radius, Add</i>	3.76	
<i>For 36" Radius, Add</i>	5.78	
<i>For 48" Radius, Add</i>	7.81	
26 05 33 13-1624 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	68.43	11.63
<i>For 24" Radius, Add</i>	4.41	
<i>For 36" Radius, Add</i>	6.84	
<i>For 48" Radius, Add</i>	9.28	
26 05 33 13-1625 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	81.99	13.96
<i>For 24" Radius, Add</i>	5.28	
<i>For 36" Radius, Add</i>	8.20	
<i>For 48" Radius, Add</i>	11.12	
26 05 33 13-1626 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	97.23	16.28
<i>For 24" Radius, Add</i>	6.27	
<i>For 36" Radius, Add</i>	9.72	
<i>For 48" Radius, Add</i>	13.17	
26 05 33 13-1627 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	113.02	19.77
<i>For 24" Radius, Add</i>	7.24	
<i>For 36" Radius, Add</i>	11.30	
<i>For 48" Radius, Add</i>	15.36	
26 05 33 13-1628 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	128.80	23.26
<i>For 24" Radius, Add</i>	8.21	
<i>For 36" Radius, Add</i>	12.88	
<i>For 48" Radius, Add</i>	17.55	
26 05 33 13-1629 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	161.01	29.08
<i>For 24" Radius, Add</i>	10.26	
<i>For 36" Radius, Add</i>	16.10	
<i>For 48" Radius, Add</i>	21.94	
26 05 33 13-1630 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows.....	197.63	34.89
<i>For 24" Radius, Add</i>	12.64	
<i>For 36" Radius, Add</i>	19.76	
<i>For 48" Radius, Add</i>	26.88	
<b>26 05 33 13-1631 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbows, 12" Large Radius Elbows</b> <small>(26 05 33 13-1591)</small>		
26 05 33 13-1632 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	38.63	4.19
<i>For 24" Radius, Add</i>	2.64	
<i>For 36" Radius, Add</i>	3.86	
<i>For 48" Radius, Add</i>	5.09	
26 05 33 13-1633 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	43.03	4.61
<i>For 24" Radius, Add</i>	2.94	
<i>For 36" Radius, Add</i>	4.30	
<i>For 48" Radius, Add</i>	5.67	
26 05 33 13-1634 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	44.93	5.23
<i>For 24" Radius, Add</i>	3.04	
<i>For 36" Radius, Add</i>	4.49	
<i>For 48" Radius, Add</i>	5.94	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1635	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows .....	48.90	6.70
			For 24" Radius, Add	3.25	
			For 36" Radius, Add	4.89	
			For 48" Radius, Add	6.53	
26 05 33 13-1636	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows .....	53.40	8.38
			For 24" Radius, Add	3.48	
			For 36" Radius, Add	5.34	
			For 48" Radius, Add	7.20	
26 05 33 13-1637	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows .....	63.13	10.47
			For 24" Radius, Add	4.08	
			For 36" Radius, Add	6.31	
			For 48" Radius, Add	8.55	
26 05 33 13-1638	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows .....	75.64	12.57
			For 24" Radius, Add	4.89	
			For 36" Radius, Add	7.56	
			For 48" Radius, Add	10.24	
26 05 33 13-1639	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows .....	89.71	14.65
			For 24" Radius, Add	5.81	
			For 36" Radius, Add	8.97	
			For 48" Radius, Add	12.13	
26 05 33 13-1640	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows .....	104.20	17.80
			For 24" Radius, Add	6.70	
			For 36" Radius, Add	10.42	
			For 48" Radius, Add	14.14	
26 05 33 13-1641	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows .....	118.68	20.93
			For 24" Radius, Add	7.59	
			For 36" Radius, Add	11.87	
			For 48" Radius, Add	16.14	
26 05 33 13-1642	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows .....	148.36	26.18
			For 24" Radius, Add	9.49	
			For 36" Radius, Add	14.84	
			For 48" Radius, Add	20.18	
26 05 33 13-1643	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows .....	182.18	31.41
			For 24" Radius, Add	11.70	
			For 36" Radius, Add	18.22	
			For 48" Radius, Add	24.74	
26 05 33 13-1644			<b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbows, 12" Large Radius Elbows</b> <small>(26 05 33 13-1591)</small>		
26 05 33 13-1645	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows .....	36.80	4.19
			For 24" Radius, Add	2.50	
			For 36" Radius, Add	3.68	
			For 48" Radius, Add	4.86	
26 05 33 13-1646	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows .....	40.99	4.61
			For 24" Radius, Add	2.79	
			For 36" Radius, Add	4.10	
			For 48" Radius, Add	5.41	
26 05 33 13-1647	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows .....	42.87	5.23
			For 24" Radius, Add	2.89	
			For 36" Radius, Add	4.29	
			For 48" Radius, Add	5.69	
26 05 33 13-1648	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows .....	46.82	6.70
			For 24" Radius, Add	3.09	
			For 36" Radius, Add	4.68	
			For 48" Radius, Add	6.27	
26 05 33 13-1649	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows .....	51.29	8.38
			For 24" Radius, Add	3.32	
			For 36" Radius, Add	5.13	
			For 48" Radius, Add	6.93	
26 05 33 13-1650	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows .....	60.73	10.47
			For 24" Radius, Add	3.90	
			For 36" Radius, Add	6.07	
			For 48" Radius, Add	8.25	
26 05 33 13-1651	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows .....	72.77	12.57
			For 24" Radius, Add	4.67	
			For 36" Radius, Add	7.28	
			For 48" Radius, Add	9.88	
26 05 33 13-1652	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows .....	86.27	14.65
			For 24" Radius, Add	5.55	
			For 36" Radius, Add	8.63	
			For 48" Radius, Add	11.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1653 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	100.32	17.80
<i>For 24" Radius, Add</i>	6.41	
<i>For 36" Radius, Add</i>	10.03	
<i>For 48" Radius, Add</i>	13.65	
26 05 33 13-1654 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	114.37	20.93
<i>For 24" Radius, Add</i>	7.27	
<i>For 36" Radius, Add</i>	11.44	
<i>For 48" Radius, Add</i>	15.60	
26 05 33 13-1655 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	142.97	26.18
<i>For 24" Radius, Add</i>	9.09	
<i>For 36" Radius, Add</i>	14.30	
<i>For 48" Radius, Add</i>	19.51	
26 05 33 13-1656 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	175.45	31.41
<i>For 24" Radius, Add</i>	11.20	
<i>For 36" Radius, Add</i>	17.55	
<i>For 48" Radius, Add</i>	23.89	
<b>26 05 33 13-1657 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings</b> <small>(26 05 33 13-1591)</small>		
26 05 33 13-1658 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	23.28	3.26
26 05 33 13-1659 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	26.18	3.72
26 05 33 13-1660 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	27.51	4.19
26 05 33 13-1661 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	28.82	4.65
26 05 33 13-1662 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	32.07	5.81
26 05 33 13-1663 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	38.33	6.97
26 05 33 13-1664 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	48.39	9.31
26 05 33 13-1665 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	59.23	11.63
26 05 33 13-1666 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	71.72	15.12
26 05 33 13-1667 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	84.22	18.61
26 05 33 13-1668 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	105.26	23.26
26 05 33 13-1669 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	131.57	29.08
<b>26 05 33 13-1670 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings</b> <small>(26 05 33 13-1591)</small>		
26 05 33 13-1671 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	16.68	3.26
26 05 33 13-1672 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	18.80	3.72
26 05 33 13-1673 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	20.06	4.19
26 05 33 13-1674 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	21.32	4.65
26 05 33 13-1675 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	24.33	5.81
26 05 33 13-1676 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	27.30	6.97
26 05 33 13-1677 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	35.08	9.31
26 05 33 13-1678 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	43.27	11.63
26 05 33 13-1679 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	53.76	15.12
26 05 33 13-1680 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	64.26	18.61
26 05 33 13-1681 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	80.34	23.26
26 05 33 13-1682 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	100.41	29.08
<b>26 05 33 13-1683 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings</b> <small>(26 05 33 13-1591)</small>		
26 05 33 13-1684 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	18.76	2.68
26 05 33 13-1685 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	21.11	3.72
26 05 33 13-1686 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	22.40	4.19
26 05 33 13-1687 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	23.63	4.65
26 05 33 13-1688 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	26.82	5.81
26 05 33 13-1689 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	32.07	6.97
26 05 33 13-1690 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	40.79	9.31
26 05 33 13-1691 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	50.12	11.63
26 05 33 13-1692 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	61.46	15.12
26 05 33 13-1693 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	72.82	18.61
26 05 33 13-1694 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	91.00	23.26
26 05 33 13-1695 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	113.78	29.08
<b>26 05 33 13-1696 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints</b> <small>(26 05 33 13-1591)</small>		
26 05 33 13-1697 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	40.78	11.63
26 05 33 13-1698 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	47.87	13.96
26 05 33 13-1699 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	53.83	16.28
26 05 33 13-1700 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	59.74	18.61
26 05 33 13-1701 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	65.85	20.93
26 05 33 13-1702 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	74.23	23.26
26 05 33 13-1703 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	86.18	26.76
26 05 33 13-1704 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	98.76	30.24
26 05 33 13-1705 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	113.30	34.89

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1706 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	130.73	40.71
26 05 33 13-1707 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	152.51	46.53
26 05 33 13-1708 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	176.09	52.34
<b>26 05 33 13-1709 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints</b> <small>(26 05 33 13-1591)</small>		
26 05 33 13-1710 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	45.54	11.63
26 05 33 13-1711 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	53.20	13.96
26 05 33 13-1712 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	59.19	16.28
26 05 33 13-1713 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	65.15	18.61
26 05 33 13-1714 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	71.31	20.93
26 05 33 13-1715 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	80.46	23.26
26 05 33 13-1716 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	93.66	26.76
26 05 33 13-1717 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	107.74	30.24
26 05 33 13-1718 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	123.40	34.89
26 05 33 13-1719 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	141.96	40.71
26 05 33 13-1720 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	166.58	46.53
26 05 33 13-1721 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	193.68	52.34
<b>26 05 33 13-1722 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters</b> <small>(26 05 33 13-1591)</small>		
26 05 33 13-1723 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	47.27	3.26
26 05 33 13-1724 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	52.78	3.72
26 05 33 13-1725 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	55.27	4.19
26 05 33 13-1726 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	57.82	4.65
26 05 33 13-1727 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	61.45	5.81
26 05 33 13-1728 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	68.83	6.97
26 05 33 13-1729 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	84.92	9.31
26 05 33 13-1730 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	103.03	11.63
26 05 33 13-1731 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	121.00	15.12
26 05 33 13-1732 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	138.98	18.61
26 05 33 13-1733 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	173.74	23.26
26 05 33 13-1734 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	216.30	29.08
<b>26 05 33 13-1735 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints</b> <small>(26 05 33 13-1591)</small>		
26 05 33 13-1736 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	53.80	11.63
26 05 33 13-1737 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	62.36	13.96
26 05 33 13-1738 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	74.64	16.28
26 05 33 13-1739 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	92.28	18.61
26 05 33 13-1740 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	115.06	20.93
26 05 33 13-1741 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	151.10	23.26
26 05 33 13-1742 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	213.15	26.76
26 05 33 13-1743 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	256.97	30.24
26 05 33 13-1744 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	310.30	34.89
26 05 33 13-1745 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	366.53	40.71
26 05 33 13-1746 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	430.80	46.53
26 05 33 13-1747 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	664.74	52.34
<b>26 05 33 13-1748 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover</b> <small>(26 05 33 13-1591)</small>		
26 05 33 13-1749 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover .....	45.14	9.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	6.98	
26 05 33 13-1750 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover .....	52.27	10.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	7.85	
26 05 33 13-1751 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover .....	68.86	11.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	8.72	
26 05 33 13-1752 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover .....	84.04	13.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	10.47	
26 05 33 13-1753 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover .....	106.81	17.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.09	
26 05 33 13-1754 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover .....	145.95	20.93
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	15.70	
26 05 33 13-1755 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover .....	236.59	24.42
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	18.32	
26 05 33 13-1756 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover .....	303.82	27.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	20.94	
26 05 33 13-1757 EA 3-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover .....	365.18	32.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	24.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1758 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	426.55	37.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.92	
26 05 33 13-1759 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	502.53	41.87
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.40	
26 05 33 13-1760 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	569.75	46.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.90	
<b>26 05 33 13-1761 Explosion Proof Conduit Fittings</b> <small>(26 05 33 13-0058)</small>		
<i>Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) conduit.</i>		
<b>26 05 33 13-1762 Explosion Proof Malleable Iron Conduit Unions</b> <small>(26 05 33 13-1761)</small>		
26 05 33 13-1763 EA 1/2" Explosion Proof Malleable Iron Conduit Union .....	31.38	5.58
26 05 33 13-1764 EA 3/4" Explosion Proof Malleable Iron Conduit Union .....	39.40	6.18
26 05 33 13-1765 EA 1" Explosion Proof Malleable Iron Conduit Union .....	64.07	8.24
26 05 33 13-1766 EA 1-1/4" Explosion Proof Malleable Iron Conduit Union .....	86.61	9.12
26 05 33 13-1767 EA 1-1/2" Explosion Proof Malleable Iron Conduit Union .....	109.28	11.18
26 05 33 13-1768 EA 2" Explosion Proof Malleable Iron Conduit Union .....	137.14	12.94
26 05 33 13-1769 EA 2-1/2" Explosion Proof Malleable Iron Conduit Union .....	209.90	18.49
26 05 33 13-1770 EA 3" Explosion Proof Malleable Iron Conduit Union .....	268.27	22.02
26 05 33 13-1771 EA 3-1/2" Explosion Proof Malleable Iron Conduit Union .....	461.09	26.42
26 05 33 13-1772 EA 4" Explosion Proof Malleable Iron Conduit Union .....	483.28	33.76
<b>26 05 33 13-1773 Explosion Proof Malleable Iron Conduit Bodies</b> <small>(26 05 33 13-1761)</small>		
26 05 33 13-1774 EA 1/2" Explosion Proof Malleable Iron Two Hub Conduit Body .....	113.28	17.65
26 05 33 13-1775 EA 3/4" Explosion Proof Malleable Iron Two Hub Conduit Body .....	127.57	20.00
26 05 33 13-1776 EA 1" Explosion Proof Malleable Iron Two Hub Conduit Body.....	150.78	22.06
26 05 33 13-1777 EA 1/2" Explosion Proof Malleable Iron Three Hub Conduit Body.....	125.61	22.06
26 05 33 13-1778 EA 3/4" Explosion Proof Malleable Iron Three Hub Conduit Body.....	149.46	26.47
26 05 33 13-1779 EA 1" Explosion Proof Malleable Iron Three Hub Conduit Body.....	177.94	30.29
<b>26 05 33 13-1780 Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical</b> <small>(26 05 33 13-1761)</small>		
<i>Note: Includes sealing gasket and lock nut.</i>		
26 05 33 13-1781 EA 1/2" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical .....	93.57	14.70
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.03	
26 05 33 13-1782 EA 3/4" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical .....	94.14	16.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.35	
26 05 33 13-1783 EA 1" x 1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical .....	102.80	17.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.46	
26 05 33 13-1784 EA 1-1/4" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	133.15	22.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.54	
26 05 33 13-1785 EA 1-1/2" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	172.34	25.87
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.41	
26 05 33 13-1786 EA 2" x 2-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	225.46	29.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.05	
26 05 33 13-1787 EA 2-1/2" x 3" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	318.74	44.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.02	
26 05 33 13-1788 EA 3" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	403.35	55.18
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.39	
26 05 33 13-1789 EA 3-1/2" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	587.44	60.75
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.57	
26 05 33 13-1790 EA 4" x 5" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	770.80	66.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.53	
<b>26 05 33 13-1791 Explosion Proof Flexible Conduit Couplings</b> <small>(26 05 33 13-1761)</small>		
26 05 33 13-1792 EA 1/2" x 12" Explosion Proof Flexible Conduit Coupling.....	284.64	6.76
26 05 33 13-1793 EA 3/4" x 15" Explosion Proof Flexible Conduit Coupling.....	373.68	7.64
<b>26 05 33 13-1794 Conduit Installed Below Grade</b> <small>(26 05 33 13-0057)</small>		
<i>Note: By direct burial In trench or in concrete slabs or duct banks. Excludes trenching, backfilling and concrete.</i>		
<b>26 05 33 13-1795 Schedule 40 Polyvinyl Chloride (PVC) Conduit, Direct Burial</b> <small>(26 05 33 13-1794)</small>		
<b>26 05 33 13-1796 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial</b> <small>(26 05 33 13-1795)</small>		
<i>Note: Includes field bend conduit up to 1".</i>		
26 05 33 13-1797 LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	2.06	
<i>For Schedule 60, Add</i>	0.14	
<i>For Schedule 80, Add</i>	0.25	
26 05 33 13-1798 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	2.26	
<i>For Schedule 60, Add</i>	0.16	
<i>For Schedule 80, Add</i>	0.28	
26 05 33 13-1799 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	2.53	
<i>For Schedule 60, Add</i>	0.20	
<i>For Schedule 80, Add</i>	0.34	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1800	LF		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	2.78	
			<i>For Schedule 60, Add</i>	0.23	
			<i>For Schedule 80, Add</i>	0.39	
26 05 33 13-1801	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	3.04	
			<i>For Schedule 60, Add</i>	0.26	
			<i>For Schedule 80, Add</i>	0.44	
26 05 33 13-1802	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	3.36	
			<i>For Schedule 60, Add</i>	0.32	
			<i>For Schedule 80, Add</i>	0.52	
26 05 33 13-1803	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	3.94	
			<i>For Schedule 60, Add</i>	0.43	
			<i>For Schedule 80, Add</i>	0.69	
26 05 33 13-1804	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	4.30	
			<i>For Schedule 60, Add</i>	0.49	
			<i>For Schedule 80, Add</i>	0.78	
26 05 33 13-1805	LF		3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	4.84	
			<i>For Schedule 60, Add</i>	0.60	
			<i>For Schedule 80, Add</i>	0.93	
26 05 33 13-1806	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	5.16	
			<i>For Schedule 60, Add</i>	0.65	
			<i>For Schedule 80, Add</i>	1.01	
26 05 33 13-1807	LF		5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	6.25	
			<i>For Schedule 60, Add</i>	0.89	
			<i>For Schedule 80, Add</i>	1.35	
26 05 33 13-1808	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	7.31	
			<i>For Schedule 60, Add</i>	1.13	
			<i>For Schedule 80, Add</i>	1.69	
26 05 33 13-1809			<b>Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows, Direct Burial</b> <small>(26 05 33 13-1795)</small>		
			See CSI section 26 05 33 13-2255 for conduit field bending.		
26 05 33 13-1810	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	15.37	
			<i>For Schedule 60, Add</i>	0.93	
			<i>For Schedule 80, Add</i>	1.74	
26 05 33 13-1811	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	18.44	
			<i>For Schedule 60, Add</i>	1.12	
			<i>For Schedule 80, Add</i>	2.09	
26 05 33 13-1812	EA		1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	21.90	
			<i>For Schedule 60, Add</i>	1.41	
			<i>For Schedule 80, Add</i>	2.58	
26 05 33 13-1813	EA		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	25.50	
			<i>For Schedule 60, Add</i>	1.72	
			<i>For Schedule 80, Add</i>	3.11	
26 05 33 13-1814	EA		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	29.21	
			<i>For Schedule 60, Add</i>	2.07	
			<i>For Schedule 80, Add</i>	3.68	
26 05 33 13-1815	EA		2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	33.27	
			<i>For Schedule 60, Add</i>	2.50	
			<i>For Schedule 80, Add</i>	4.37	
26 05 33 13-1816	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	39.41	
			<i>For Schedule 60, Add</i>	3.45	
			<i>For Schedule 80, Add</i>	5.80	
26 05 33 13-1817	EA		3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	47.02	
			<i>For Schedule 60, Add</i>	4.78	
			<i>For Schedule 80, Add</i>	7.73	
26 05 33 13-1818	EA		3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	57.57	
			<i>For Schedule 60, Add</i>	6.25	
			<i>For Schedule 80, Add</i>	9.97	
26 05 33 13-1819	EA		4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	68.22	
			<i>For Schedule 60, Add</i>	7.75	
			<i>For Schedule 80, Add</i>	12.24	
26 05 33 13-1820	EA		5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	90.58	
			<i>For Schedule 60, Add</i>	12.18	
			<i>For Schedule 80, Add</i>	18.62	
26 05 33 13-1821	EA		6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	106.89	
			<i>For Schedule 60, Add</i>	15.09	
			<i>For Schedule 80, Add</i>	22.87	
26 05 33 13-1822			<b>Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows, Direct Burial</b> <small>(26 05 33 13-1795)</small>		
			See CSI section 26 05 33 13-2255 for conduit field bending.		
26 05 33 13-1823	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	15.37	
			<i>For Schedule 60, Add</i>	0.93	
			<i>For Schedule 80, Add</i>	1.74	
26 05 33 13-1824	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	18.38	
			<i>For Schedule 60, Add</i>	1.11	
			<i>For Schedule 80, Add</i>	2.07	
26 05 33 13-1825	EA		1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	21.82	
			<i>For Schedule 60, Add</i>	1.39	
			<i>For Schedule 80, Add</i>	2.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1826 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	25.26	
<i>For Schedule 60, Add</i>	1.66	
<i>For Schedule 80, Add</i>	3.03	
26 05 33 13-1827 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	28.67	
<i>For Schedule 60, Add</i>	1.93	
<i>For Schedule 80, Add</i>	3.49	
26 05 33 13-1828 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	32.99	
<i>For Schedule 60, Add</i>	2.43	
<i>For Schedule 80, Add</i>	4.28	
26 05 33 13-1829 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	38.87	
<i>For Schedule 60, Add</i>	3.32	
<i>For Schedule 80, Add</i>	5.61	
26 05 33 13-1830 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	46.33	
<i>For Schedule 60, Add</i>	4.60	
<i>For Schedule 80, Add</i>	7.49	
26 05 33 13-1831 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	55.66	
<i>For Schedule 60, Add</i>	5.77	
<i>For Schedule 80, Add</i>	9.30	
26 05 33 13-1832 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	66.58	
<i>For Schedule 60, Add</i>	7.34	
<i>For Schedule 80, Add</i>	11.67	
26 05 33 13-1833 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	88.44	
<i>For Schedule 60, Add</i>	11.64	
<i>For Schedule 80, Add</i>	17.87	
26 05 33 13-1834 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	100.54	
<i>For Schedule 60, Add</i>	13.51	
<i>For Schedule 80, Add</i>	20.65	
<b>26 05 33 13-1835 Polyvinyl Chloride (PVC) Conduit Female Adapters, Direct Burial</b> <small>(26 05 33 13-1795)</small>		
26 05 33 13-1836 EA 1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	8.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.44	
26 05 33 13-1837 EA 3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	9.83	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.79	
26 05 33 13-1838 EA 1" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	11.18	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.14	
26 05 33 13-1839 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	12.61	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.49	
26 05 33 13-1840 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	13.87	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.84	
26 05 33 13-1841 EA 2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	15.48	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.19	
26 05 33 13-1842 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	18.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.71	
26 05 33 13-1843 EA 3" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	21.26	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.24	
26 05 33 13-1844 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	25.19	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.11	
26 05 33 13-1845 EA 4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	28.32	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.98	
26 05 33 13-1846 EA 5" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	36.39	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.85	
26 05 33 13-1847 EA 6" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	41.40	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.72	
<b>26 05 33 13-1848 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug, Direct Burial</b> <small>(26 05 33 13-1795)</small>		
26 05 33 13-1849 EA 1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	10.07	
26 05 33 13-1850 EA 3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	11.46	
26 05 33 13-1851 EA 1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	12.88	
26 05 33 13-1852 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	16.53	
26 05 33 13-1853 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	18.30	
26 05 33 13-1854 EA 2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	20.60	
26 05 33 13-1855 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	23.04	
26 05 33 13-1856 EA 3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	26.07	
26 05 33 13-1857 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	30.90	
26 05 33 13-1858 EA 4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	34.03	
26 05 33 13-1859 EA 5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	43.24	
26 05 33 13-1860 EA 6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	48.65	
<b>26 05 33 13-1861 Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial</b> <small>(26 05 33 13-1795)</small>		
26 05 33 13-1862 EA 1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial .....	8.46	
26 05 33 13-1863 EA 3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial .....	9.83	
26 05 33 13-1864 EA 1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial .....	11.09	
26 05 33 13-1865 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial .....	12.46	
26 05 33 13-1866 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....	13.73	
26 05 33 13-1867 EA 2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....	15.30	
26 05 33 13-1868 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....	18.13	
26 05 33 13-1869 EA 3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....	20.75	
26 05 33 13-1870 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....	24.54	
26 05 33 13-1871 EA 4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....	27.65	



**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1872	EA		5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	35.07	
26 05 33 13-1873	EA		6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial.....	39.82	
26 05 33 13-1874			<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial</b> <small>(26 05 33 13-1794)</small> Note: 40 mil Polyvinyl Chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney).		
26 05 33 13-1875			<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial</b> <small>(26 05 33 13-1874)</small> Note: Includes field bending for conduit up to 1".		
26 05 33 13-1876	LF		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	9.30	1.40
			For >250 To 500, Deduct	-0.37	
			For >500 To 1,000, Deduct	-0.61	
			For >1,000, Deduct	-0.84	
26 05 33 13-1877	LF		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	10.51	1.75
			For >250 To 500, Deduct	-0.43	
			For >500 To 1,000, Deduct	-0.69	
			For >1,000, Deduct	-0.95	
26 05 33 13-1878	LF		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	13.10	1.95
			For >250 To 500, Deduct	-0.54	
			For >500 To 1,000, Deduct	-0.87	
			For >1,000, Deduct	-1.19	
26 05 33 13-1879	LF		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	16.03	2.62
			For >250 To 500, Deduct	-0.67	
			For >500 To 1,000, Deduct	-1.07	
			For >1,000, Deduct	-1.47	
26 05 33 13-1880	LF		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	19.00	2.95
			For >250 To 500, Deduct	-0.80	
			For >500 To 1,000, Deduct	-1.27	
			For >1,000, Deduct	-1.75	
26 05 33 13-1881	LF		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	24.27	3.22
			For >250 To 500, Deduct	-1.03	
			For >500 To 1,000, Deduct	-1.64	
			For >1,000, Deduct	-2.24	
26 05 33 13-1882	LF		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	35.67	4.83
			For >250 To 500, Deduct	-1.53	
			For >500 To 1,000, Deduct	-2.42	
			For >1,000, Deduct	-3.32	
26 05 33 13-1883	LF		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	45.72	6.04
			For >250 To 500, Deduct	-1.95	
			For >500 To 1,000, Deduct	-3.09	
			For >1,000, Deduct	-4.24	
26 05 33 13-1884	LF		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	56.28	6.37
			For >250 To 500, Deduct	-2.39	
			For >500 To 1,000, Deduct	-3.80	
			For >1,000, Deduct	-5.21	
26 05 33 13-1885	LF		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	66.70	7.04
			For >250 To 500, Deduct	-2.83	
			For >500 To 1,000, Deduct	-4.50	
			For >1,000, Deduct	-6.17	
26 05 33 13-1886	LF		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	108.02	9.73
			For >250 To 500, Deduct	-4.76	
			For >500 To 1,000, Deduct	-7.46	
			For >1,000, Deduct	-10.16	
26 05 33 13-1887	LF		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	145.30	12.75
			For >250 To 500, Deduct	-6.46	
			For >500 To 1,000, Deduct	-10.09	
			For >1,000, Deduct	-13.73	
26 05 33 13-1888			<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings, Direct Burial</b> <small>(26 05 33 13-1874)</small>		
26 05 33 13-1889	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	9.94	2.02
26 05 33 13-1890	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	11.57	2.69
26 05 33 13-1891	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	14.76	3.35
26 05 33 13-1892	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	16.77	3.69
26 05 33 13-1893	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	19.89	4.36
26 05 33 13-1894	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	26.40	5.03
26 05 33 13-1895	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	52.52	6.04
26 05 33 13-1896	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	65.88	8.38
26 05 33 13-1897	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	82.47	9.73
26 05 33 13-1898	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	100.51	13.42
26 05 33 13-1899	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	276.96	18.44
26 05 33 13-1900	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	288.96	10.40
26 05 33 13-1901			<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows, Direct Burial</b> <small>(26 05 33 13-1874)</small> Note: 90, 45, or 30 degree.		
26 05 33 13-1902	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial .....	37.52	8.38



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1903 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	42.34	10.40
26 05 33 13-1904 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	50.19	12.75
26 05 33 13-1905 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	59.87	14.76
26 05 33 13-1906 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	70.84	16.77
26 05 33 13-1907 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	88.96	18.44
26 05 33 13-1908 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	144.36	23.15
26 05 33 13-1909 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	219.79	31.53
26 05 33 13-1910 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	276.76	35.55
26 05 33 13-1911 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	309.97	46.28
26 05 33 13-1912 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	674.82	75.47
26 05 33 13-1913 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	1,068.83	113.37
<b>26 05 33 13-1914 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1874)</small></b>		
26 05 33 13-1915 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	99.09	12.75
26 05 33 13-1916 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	110.93	14.76
26 05 33 13-1917 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	126.74	16.77
26 05 33 13-1918 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	153.45	18.44
26 05 33 13-1919 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	217.36	23.15
<b>26 05 33 13-1920 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1874)</small></b>		
26 05 33 13-1921 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	112.31	12.75
26 05 33 13-1922 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	132.78	14.76
26 05 33 13-1923 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	142.40	16.77
26 05 33 13-1924 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	187.62	18.44
26 05 33 13-1925 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	250.30	23.15
26 05 33 13-1926 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	317.49	31.53
<b>26 05 33 13-1927 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1874)</small></b>		
26 05 33 13-1928 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	128.13	12.75
26 05 33 13-1929 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	144.16	14.76
26 05 33 13-1930 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	162.50	16.77
26 05 33 13-1931 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	198.95	18.44
26 05 33 13-1932 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	288.16	23.15
26 05 33 13-1933 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	361.93	31.53
26 05 33 13-1934 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	462.89	35.55
26 05 33 13-1935 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	512.75	46.28
<b>26 05 33 13-1936 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1874)</small></b>		
26 05 33 13-1937 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	155.44	12.75
26 05 33 13-1938 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	170.87	14.76
26 05 33 13-1939 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	192.84	16.77

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1940	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	242.63	18.44
26 05 33 13-1941	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	355.91	23.15
26 05 33 13-1942	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	437.23	31.53
26 05 33 13-1943	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	508.87	35.55
26 05 33 13-1944	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	597.15	46.28
<b>26 05 33 13-1945</b>		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1874)</small></b>		
26 05 33 13-1946	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	176.69	12.75
26 05 33 13-1947	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	195.74	14.76
26 05 33 13-1948	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	222.69	16.77
26 05 33 13-1949	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	280.65	18.44
26 05 33 13-1950	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	392.88	23.15
26 05 33 13-1951	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	497.46	31.53
26 05 33 13-1952	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	620.65	35.55
26 05 33 13-1953	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	674.63	46.28
26 05 33 13-1954	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	1,127.15	75.47
<b>26 05 33 13-1955</b>		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1874)</small></b>		
26 05 33 13-1956	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	204.48	12.75
26 05 33 13-1957	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	225.78	14.76
26 05 33 13-1958	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	255.41	16.77
26 05 33 13-1959	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	322.81	18.44
26 05 33 13-1960	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	454.47	23.15
26 05 33 13-1961	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	574.20	31.53
26 05 33 13-1962	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	676.67	35.55
26 05 33 13-1963	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	774.66	46.28
26 05 33 13-1964	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	1,197.25	75.47
26 05 33 13-1965	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	1,622.74	113.37
<b>26 05 33 13-1966</b>		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1874)</small></b>		
26 05 33 13-1967	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	243.17	12.75
26 05 33 13-1968	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	252.57	14.76
26 05 33 13-1969	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	299.21	16.77
26 05 33 13-1970	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	381.51	18.44
26 05 33 13-1971	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	537.53	23.15
26 05 33 13-1972	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	677.65	31.53
26 05 33 13-1973	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	832.39	35.55
26 05 33 13-1974	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	969.24	46.28
26 05 33 13-1975	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,425.90	75.47
26 05 33 13-1976	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,727.69	113.37



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 33 13-1977</b>	<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1874)</small></b>	
26 05 33 13-1978 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	252.49	12.75
26 05 33 13-1979 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	297.87	14.76
26 05 33 13-1980 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	337.08	16.77
26 05 33 13-1981 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	399.17	18.44
26 05 33 13-1982 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	558.28	23.15
26 05 33 13-1983 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	709.46	31.53
26 05 33 13-1984 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	917.20	35.55
26 05 33 13-1985 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,013.37	46.28
26 05 33 13-1986 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,487.33	75.47
26 05 33 13-1987 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,781.02	113.37
<b>26 05 33 13-1988</b>	<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions, Direct Burial <small>(26 05 33 13-1874)</small></b>	
26 05 33 13-1989 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	78.61	8.38
26 05 33 13-1990 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	83.76	10.40
26 05 33 13-1991 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	109.89	12.75
26 05 33 13-1992 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	165.36	14.76
26 05 33 13-1993 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	197.39	16.77
26 05 33 13-1994 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	255.25	18.44
26 05 33 13-1995 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	341.89	23.15
26 05 33 13-1996 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	453.83	23.15
26 05 33 13-1997 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	576.64	35.55
26 05 33 13-1998 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	741.69	46.28
26 05 33 13-1999 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,364.21	75.47
26 05 33 13-2000 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,671.73	113.37
<b>26 05 33 13-2001</b>	<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions, Direct Burial <small>(26 05 33 13-1874)</small></b>	
26 05 33 13-2002 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	80.69	8.38
26 05 33 13-2003 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	91.72	10.40
26 05 33 13-2004 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	114.13	12.75
26 05 33 13-2005 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	173.15	14.76
26 05 33 13-2006 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	208.19	16.77
26 05 33 13-2007 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	278.59	18.44
26 05 33 13-2008 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	391.82	23.15
26 05 33 13-2009 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	504.59	23.15
26 05 33 13-2010 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	668.43	35.55
26 05 33 13-2011 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	833.14	46.28
26 05 33 13-2012 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	1,531.84	75.47
26 05 33 13-2013 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	1,942.40	113.37
<b>26 05 33 13-2014</b>	<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples, Direct Burial <small>(26 05 33 13-1874)</small></b>	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2015 EA 1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	25.59	4.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.42	
26 05 33 13-2016 EA 3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	27.93	5.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.02	
26 05 33 13-2017 EA 1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	31.60	6.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 05 33 13-2018 EA 1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.95	7.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.43	
26 05 33 13-2019 EA 1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.72	8.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33 13-2020 EA 1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	28.52	4.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.62	
26 05 33 13-2021 EA 3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	30.33	5.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.02	
26 05 33 13-2022 EA 1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	34.02	6.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 05 33 13-2023 EA 1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.51	7.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.43	
26 05 33 13-2024 EA 1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.48	8.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33 13-2025 EA 2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	46.69	9.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.63	
26 05 33 13-2026 EA 1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	28.68	4.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.62	
26 05 33 13-2027 EA 3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	30.50	5.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.02	
26 05 33 13-2028 EA 1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	34.34	6.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 05 33 13-2029 EA 1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.84	7.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.43	
26 05 33 13-2030 EA 1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.82	8.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33 13-2031 EA 2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.55	9.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.63	
26 05 33 13-2032 EA 1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	30.95	4.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.62	
26 05 33 13-2033 EA 3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	32.77	5.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.02	
26 05 33 13-2034 EA 1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.78	6.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 05 33 13-2035 EA 1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.23	7.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.43	
26 05 33 13-2036 EA 1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.35	8.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33 13-2037 EA 2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	50.24	9.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.63	
26 05 33 13-2038 EA 2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	72.74	11.40
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.84	
26 05 33 13-2039 EA 3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	92.62	15.77
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.46	
26 05 33 13-2040 EA 1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	31.13	4.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.62	
26 05 33 13-2041 EA 3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.08	5.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.02	
26 05 33 13-2042 EA 1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.11	6.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2043 EA 1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	43.62	7.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	4.43	
26 05 33 13-2044 EA 1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	46.88	8.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	5.03	
26 05 33 13-2045 EA 2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	52.92	9.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	5.63	
26 05 33 13-2046 EA 2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	75.11	11.40
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	6.84	
26 05 33 13-2047 EA 3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	97.73	15.77
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	9.46	
26 05 33 13-2048 EA 3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	118.11	17.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	10.67	
26 05 33 13-2049 EA 4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	134.61	23.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.88	
26 05 33 13-2050 EA 1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	31.44	4.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	2.62	
26 05 33 13-2051 EA 3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	33.42	5.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	3.02	
26 05 33 13-2052 EA 1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	37.47	6.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	3.83	
26 05 33 13-2053 EA 1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	44.27	7.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	4.43	
26 05 33 13-2054 EA 1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	47.56	8.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	5.03	
26 05 33 13-2055 EA 2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	54.38	9.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	5.63	
26 05 33 13-2056 EA 2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	84.55	11.40
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	6.84	
26 05 33 13-2057 EA 3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	105.37	15.77
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	9.46	
26 05 33 13-2058 EA 3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	119.74	17.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	10.67	
26 05 33 13-2059 EA 4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	138.97	23.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.88	
26 05 33 13-2060 EA 5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	207.90	31.86
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	19.12	
26 05 33 13-2061 EA 1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	32.04	4.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	2.62	
26 05 33 13-2062 EA 3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	34.02	5.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	3.02	
26 05 33 13-2063 EA 1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	38.12	6.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	3.83	
26 05 33 13-2064 EA 1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	45.46	7.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	4.43	
26 05 33 13-2065 EA 1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	48.99	8.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	5.03	
26 05 33 13-2066 EA 2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	55.84	9.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	5.63	
26 05 33 13-2067 EA 2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	94.13	11.40
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	6.84	
26 05 33 13-2068 EA 3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	115.53	15.77
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	9.46	
26 05 33 13-2069 EA 3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	128.89	17.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	10.67	
26 05 33 13-2070 EA 4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	154.40	23.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	13.88	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2071 EA 5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	230.97	31.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.12	
26 05 33 13-2072 EA 1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	32.98	4.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.62	
26 05 33 13-2073 EA 3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	34.93	5.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.02	
26 05 33 13-2074 EA 1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.56	6.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.83	
26 05 33 13-2075 EA 1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.78	7.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.43	
26 05 33 13-2076 EA 1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	51.92	8.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.03	
26 05 33 13-2077 EA 2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	62.98	9.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.63	
26 05 33 13-2078 EA 2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	105.92	11.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.84	
26 05 33 13-2079 EA 3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	129.42	15.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.46	
26 05 33 13-2080 EA 3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	151.79	17.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.67	
26 05 33 13-2081 EA 4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	177.57	23.15
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.88	
26 05 33 13-2082 EA 5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	246.78	31.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.12	
26 05 33 13-2083 EA 1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.96	4.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.62	
26 05 33 13-2084 EA 3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.89	5.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.02	
26 05 33 13-2085 EA 1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.97	6.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.83	
26 05 33 13-2086 EA 1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	50.09	7.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.43	
26 05 33 13-2087 EA 1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	58.86	8.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.03	
26 05 33 13-2088 EA 2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	73.48	9.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.63	
26 05 33 13-2089 EA 2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	118.38	11.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.84	
26 05 33 13-2090 EA 3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	147.22	15.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.46	
26 05 33 13-2091 EA 3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	175.85	17.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.67	
26 05 33 13-2092 EA 4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	218.10	23.15
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.88	
26 05 33 13-2093 EA 5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	278.33	31.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.12	
26 05 33 13-2094 EA 1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	34.96	4.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.62	
26 05 33 13-2095 EA 3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.01	5.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.02	
26 05 33 13-2096 EA 1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.57	6.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.83	
26 05 33 13-2097 EA 1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	57.18	7.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.43	
26 05 33 13-2098 EA 1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	67.27	8.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2099 EA 2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	81.91	9.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	5.63	
26 05 33 13-2100 EA 2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	135.00	11.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	6.84	
26 05 33 13-2101 EA 3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	173.91	15.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	9.46	
26 05 33 13-2102 EA 3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	190.60	17.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	10.67	
26 05 33 13-2103 EA 4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	230.54	23.15
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	13.88	
26 05 33 13-2104 EA 5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial .....	282.84	31.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	19.12	
<b>26 05 33 13-2105</b> <b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit</b> <small>(26 05 33 13-1794)</small>		
Note: Direct burial or encased application.		
<b>26 05 33 13-2106</b> <b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit</b> <small>(26 05 33 13-2105)</small>		
26 05 33 13-2107 LF 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial .....	3.86	0.75
For Work In Restricted Working Space, Add .....	0.57	
26 05 33 13-2108 LF 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial .....	4.26	0.81
For Work In Restricted Working Space, Add .....	0.61	
26 05 33 13-2109 LF 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial .....	4.53	0.87
For Work In Restricted Working Space, Add .....	0.65	
26 05 33 13-2110 LF 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial .....	4.80	0.93
For Work In Restricted Working Space, Add .....	0.70	
26 05 33 13-2111 LF 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial .....	5.17	0.99
For Work In Restricted Working Space, Add .....	0.74	
26 05 33 13-2112 LF 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial .....	5.38	1.04
For Work In Restricted Working Space, Add .....	0.79	
26 05 33 13-2113 LF 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial .....	6.07	1.10
For Work In Restricted Working Space, Add .....	0.83	
26 05 33 13-2114 LF 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial .....	6.87	1.16
For Work In Restricted Working Space, Add .....	0.87	
26 05 33 13-2115 LF 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial .....	7.52	1.22
For Work In Restricted Working Space, Add .....	0.92	
26 05 33 13-2116 LF 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial .....	8.15	1.28
For Work In Restricted Working Space, Add .....	0.96	
26 05 33 13-2117 LF 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial .....	9.54	1.33
For Work In Restricted Working Space, Add .....	1.01	
26 05 33 13-2118 LF 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial .....	11.23	1.39
For Work In Restricted Working Space, Add .....	1.05	
<b>26 05 33 13-2119</b> <b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows</b> <small>(26 05 33 13-2105)</small>		
26 05 33 13-2120 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial .....	51.11	5.81
For Work In Restricted Working Space, Add .....	4.36	
For 24" Radius, Add .....	3.47	
For 36" Radius, Add .....	5.11	
For 48" Radius, Add .....	6.75	
26 05 33 13-2121 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial .....	58.39	6.97
For Work In Restricted Working Space, Add .....	5.24	
For 24" Radius, Add .....	3.94	
For 36" Radius, Add .....	5.84	
For 48" Radius, Add .....	7.74	
26 05 33 13-2122 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial .....	61.71	8.14
For Work In Restricted Working Space, Add .....	6.11	
For 24" Radius, Add .....	4.12	
For 36" Radius, Add .....	6.17	
For 48" Radius, Add .....	8.22	
26 05 33 13-2123 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial .....	65.02	9.31
For Work In Restricted Working Space, Add .....	6.98	
For 24" Radius, Add .....	4.30	
For 36" Radius, Add .....	6.50	
For 48" Radius, Add .....	8.71	
26 05 33 13-2124 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial .....	68.35	10.47
For Work In Restricted Working Space, Add .....	7.85	
For 24" Radius, Add .....	4.47	
For 36" Radius, Add .....	6.84	
For 48" Radius, Add .....	9.20	



**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2125	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	77.07	11.63
			<i>For Work In Restricted Working Space, Add</i>	8.72	
			<i>For 24" Radius, Add</i>	5.05	
			<i>For 36" Radius, Add</i>	7.71	
			<i>For 48" Radius, Add</i>	10.36	
26 05 33	13-2126	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	89.43	12.80
			<i>For Work In Restricted Working Space, Add</i>	9.60	
			<i>For 24" Radius, Add</i>	5.91	
			<i>For 36" Radius, Add</i>	8.94	
			<i>For 48" Radius, Add</i>	11.98	
26 05 33	13-2127	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	103.82	13.96
			<i>For Work In Restricted Working Space, Add</i>	10.47	
			<i>For 24" Radius, Add</i>	6.91	
			<i>For 36" Radius, Add</i>	10.38	
			<i>For 48" Radius, Add</i>	13.85	
26 05 33	13-2128	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	118.25	16.28
			<i>For Work In Restricted Working Space, Add</i>	12.21	
			<i>For 24" Radius, Add</i>	7.85	
			<i>For 36" Radius, Add</i>	11.83	
			<i>For 48" Radius, Add</i>	15.80	
26 05 33	13-2129	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	132.69	20.93
			<i>For Work In Restricted Working Space, Add</i>	13.96	
			<i>For 24" Radius, Add</i>	8.79	
			<i>For 36" Radius, Add</i>	13.27	
			<i>For 48" Radius, Add</i>	17.75	
26 05 33	13-2130	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	160.04	20.93
			<i>For Work In Restricted Working Space, Add</i>	15.70	
			<i>For 24" Radius, Add</i>	10.69	
			<i>For 36" Radius, Add</i>	16.00	
			<i>For 48" Radius, Add</i>	21.31	
26 05 33	13-2131	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	192.77	23.26
			<i>For Work In Restricted Working Space, Add</i>	17.45	
			<i>For 24" Radius, Add</i>	13.00	
			<i>For 36" Radius, Add</i>	19.28	
			<i>For 48" Radius, Add</i>	25.55	
26 05 33	13-2132		<b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings</b> <small>(26 05 33 13-2105)</small>		
26 05 33	13-2133	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	23.28	3.26
			<i>For Work In Restricted Working Space, Add</i>	2.44	
26 05 33	13-2134	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	26.18	3.72
			<i>For Work In Restricted Working Space, Add</i>	2.79	
26 05 33	13-2135	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	27.51	4.19
			<i>For Work In Restricted Working Space, Add</i>	3.14	
26 05 33	13-2136	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	28.82	4.65
			<i>For Work In Restricted Working Space, Add</i>	3.49	
26 05 33	13-2137	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	30.33	5.12
			<i>For Work In Restricted Working Space, Add</i>	3.84	
26 05 33	13-2138	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	34.84	5.58
			<i>For Work In Restricted Working Space, Add</i>	4.19	
26 05 33	13-2139	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	40.83	6.28
			<i>For Work In Restricted Working Space, Add</i>	4.71	
26 05 33	13-2140	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	47.60	6.97
			<i>For Work In Restricted Working Space, Add</i>	5.24	
26 05 33	13-2141	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	54.27	8.14
			<i>For Work In Restricted Working Space, Add</i>	6.11	
26 05 33	13-2142	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	60.95	9.31
			<i>For Work In Restricted Working Space, Add</i>	6.98	
26 05 33	13-2143	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	73.29	10.47
			<i>For Work In Restricted Working Space, Add</i>	7.85	
26 05 33	13-2144	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	87.95	11.63
			<i>For Work In Restricted Working Space, Add</i>	8.72	
26 05 33	13-2145		<b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings</b> <small>(26 05 33 13-2105)</small>		
26 05 33	13-2146	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	16.68	3.26
			<i>For Work In Restricted Working Space, Add</i>	2.44	
26 05 33	13-2147	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	18.80	3.72
			<i>For Work In Restricted Working Space, Add</i>	2.79	
26 05 33	13-2148	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	20.06	4.19
			<i>For Work In Restricted Working Space, Add</i>	3.14	
26 05 33	13-2149	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	21.32	4.65
			<i>For Work In Restricted Working Space, Add</i>	3.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2150 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	22.59	5.12
For Work In Restricted Working Space, Add	3.84	
26 05 33 13-2151 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	23.81	5.58
For Work In Restricted Working Space, Add	4.19	
26 05 33 13-2152 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	27.52	6.28
For Work In Restricted Working Space, Add	4.71	
26 05 33 13-2153 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	31.64	6.97
For Work In Restricted Working Space, Add	5.24	
26 05 33 13-2154 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	36.31	8.14
For Work In Restricted Working Space, Add	6.11	
26 05 33 13-2155 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	40.99	9.31
For Work In Restricted Working Space, Add	6.98	
26 05 33 13-2156 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	48.37	10.47
For Work In Restricted Working Space, Add	7.85	
26 05 33 13-2157 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	56.79	11.63
For Work In Restricted Working Space, Add	8.72	
 <b>26 05 33 13-2158 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings</b> <small>(26 05 33 13-2105)</small>		
26 05 33 13-2159 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	15.27	1.86
For Work In Restricted Working Space, Add	1.40	
26 05 33 13-2160 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	17.03	2.09
For Work In Restricted Working Space, Add	1.57	
26 05 33 13-2161 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	17.74	2.32
For Work In Restricted Working Space, Add	1.74	
26 05 33 13-2162 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	18.39	2.56
For Work In Restricted Working Space, Add	1.92	
26 05 33 13-2163 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	19.25	2.80
For Work In Restricted Working Space, Add	2.09	
26 05 33 13-2164 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	22.76	3.26
For Work In Restricted Working Space, Add	2.44	
26 05 33 13-2165 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	27.42	3.96
For Work In Restricted Working Space, Add	2.97	
26 05 33 13-2166 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	32.67	4.65
For Work In Restricted Working Space, Add	3.49	
26 05 33 13-2167 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	38.20	5.81
For Work In Restricted Working Space, Add	4.36	
26 05 33 13-2168 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	43.74	6.97
For Work In Restricted Working Space, Add	5.24	
26 05 33 13-2169 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	53.20	8.14
For Work In Restricted Working Space, Add	6.11	
26 05 33 13-2170 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	64.34	9.31
For Work In Restricted Working Space, Add	6.98	
 <b>26 05 33 13-2171 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints</b> <small>(26 05 33 13-2105)</small>		
26 05 33 13-2172 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	40.78	11.63
For Work In Restricted Working Space, Add	8.72	
26 05 33 13-2173 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	47.87	13.96
For Work In Restricted Working Space, Add	10.47	
26 05 33 13-2174 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	53.83	16.28
For Work In Restricted Working Space, Add	12.21	
26 05 33 13-2175 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	59.74	18.61
For Work In Restricted Working Space, Add	13.96	
26 05 33 13-2176 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	62.95	19.77
For Work In Restricted Working Space, Add	14.83	
26 05 33 13-2177 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	68.42	20.93
For Work In Restricted Working Space, Add	15.70	
26 05 33 13-2178 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	74.55	22.10
For Work In Restricted Working Space, Add	16.58	
26 05 33 13-2179 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	81.31	23.26
For Work In Restricted Working Space, Add	17.45	
26 05 33 13-2180 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	87.13	24.42
For Work In Restricted Working Space, Add	18.32	
26 05 33 13-2181 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	92.93	25.59
For Work In Restricted Working Space, Add	19.19	
26 05 33 13-2182 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	103.07	26.76
For Work In Restricted Working Space, Add	20.06	
26 05 33 13-2183 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	115.02	27.92
For Work In Restricted Working Space, Add	20.94	
 <b>26 05 33 13-2184 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints</b> <small>(26 05 33 13-2105)</small>		
26 05 33 13-2185 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	45.54	11.63
For Work In Restricted Working Space, Add	8.72	
26 05 33 13-2186 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	53.20	13.96
For Work In Restricted Working Space, Add	10.47	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2187	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	59.19	16.28
			<i>For Work In Restricted Working Space, Add</i>	12.21	
26 05 33 13-2188	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial .....	65.15	18.61
			<i>For Work In Restricted Working Space, Add</i>	13.96	
26 05 33 13-2189	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial .....	68.41	19.77
			<i>For Work In Restricted Working Space, Add</i>	14.83	
26 05 33 13-2190	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	74.65	20.93
			<i>For Work In Restricted Working Space, Add</i>	15.70	
26 05 33 13-2191	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial .....	82.03	22.10
			<i>For Work In Restricted Working Space, Add</i>	16.58	
26 05 33 13-2192	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	90.29	23.26
			<i>For Work In Restricted Working Space, Add</i>	17.45	
26 05 33 13-2193	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial .....	97.23	24.42
			<i>For Work In Restricted Working Space, Add</i>	18.32	
26 05 33 13-2194	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	104.16	25.59
			<i>For Work In Restricted Working Space, Add</i>	19.19	
26 05 33 13-2195	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	117.14	26.76
			<i>For Work In Restricted Working Space, Add</i>	20.06	
26 05 33 13-2196	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial.....	132.61	27.92
			<i>For Work In Restricted Working Space, Add</i>	20.94	
<b>26 05 33 13-2197 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters</b>					
			<small>(26 05 33 13-2105)</small>		
26 05 33 13-2198	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	47.27	3.26
			<i>For Work In Restricted Working Space, Add</i>	2.44	
26 05 33 13-2199	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	52.78	3.72
			<i>For Work In Restricted Working Space, Add</i>	2.79	
26 05 33 13-2200	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	55.27	4.19
			<i>For Work In Restricted Working Space, Add</i>	3.14	
26 05 33 13-2201	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial .....	57.82	4.65
			<i>For Work In Restricted Working Space, Add</i>	3.49	
26 05 33 13-2202	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial .....	59.71	5.12
			<i>For Work In Restricted Working Space, Add</i>	3.84	
26 05 33 13-2203	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	65.34	5.58
			<i>For Work In Restricted Working Space, Add</i>	4.19	
26 05 33 13-2204	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial .....	77.36	6.28
			<i>For Work In Restricted Working Space, Add</i>	4.71	
26 05 33 13-2205	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	91.40	6.97
			<i>For Work In Restricted Working Space, Add</i>	5.24	
26 05 33 13-2206	EA		3-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial .....	103.55	8.14
			<i>For Work In Restricted Working Space, Add</i>	6.11	
26 05 33 13-2207	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	115.71	9.31
			<i>For Work In Restricted Working Space, Add</i>	6.98	
26 05 33 13-2208	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	141.77	10.47
			<i>For Work In Restricted Working Space, Add</i>	7.85	
26 05 33 13-2209	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	172.68	11.63
			<i>For Work In Restricted Working Space, Add</i>	8.72	
<b>26 05 33 13-2210 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints</b>					
			<small>(26 05 33 13-2105)</small>		
26 05 33 13-2211	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial .....	53.80	11.63
			<i>For Work In Restricted Working Space, Add</i>	8.72	
26 05 33 13-2212	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial .....	62.36	13.96
			<i>For Work In Restricted Working Space, Add</i>	10.47	
26 05 33 13-2213	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial .....	74.64	16.28
			<i>For Work In Restricted Working Space, Add</i>	12.21	
26 05 33 13-2214	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial .....	92.28	18.61
			<i>For Work In Restricted Working Space, Add</i>	13.96	
26 05 33 13-2215	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial .....	112.16	19.77
			<i>For Work In Restricted Working Space, Add</i>	14.83	
26 05 33 13-2216	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial .....	145.29	20.93
			<i>For Work In Restricted Working Space, Add</i>	15.70	
26 05 33 13-2217	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial .....	201.52	22.10
			<i>For Work In Restricted Working Space, Add</i>	16.58	
26 05 33 13-2218	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial .....	239.52	23.26
			<i>For Work In Restricted Working Space, Add</i>	17.45	
26 05 33 13-2219	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial .....	284.13	24.42
			<i>For Work In Restricted Working Space, Add</i>	18.32	
26 05 33 13-2220	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial .....	328.73	25.59
			<i>For Work In Restricted Working Space, Add</i>	19.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2221 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	381.36	26.76
<i>For Work In Restricted Working Space, Add</i>	20.06	
26 05 33 13-2222 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial.....	603.67	27.92
<i>For Work In Restricted Working Space, Add</i>	20.94	
<b>26 05 33 13-2223 Spacers</b> <small>(26 05 33 13-1794)</small>		
<small>Note: For concrete encasement applications. See CSI section 03 31 13 00-0039 for concrete., 26 05 33 13-1794 for conduit.</small>		
26 05 33 13-2224 EA 1" Base Spacers, Average 4" Wide, Direct Burial.....	6.29	
26 05 33 13-2225 EA 1" Intermediate Spacers, Average 4" Wide, Direct Burial.....	6.74	
26 05 33 13-2226 EA 1-1/4" Base Spacer, Average 4" Wide, Direct Burial.....	7.47	
26 05 33 13-2227 EA 1-1/4" Intermediate Spacers, Average 4" Wide, Direct Burial.....	8.03	
26 05 33 13-2228 EA 1-1/2" Base Spacer, Average 4" Wide, Direct Burial.....	7.55	
26 05 33 13-2229 EA 1-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial.....	8.08	
26 05 33 13-2230 EA 2" Base Spacer, Average 4" Wide, Direct Burial.....	9.34	
26 05 33 13-2231 EA 2" Intermediate Spacers, Average 4" Wide, Direct Burial.....	8.67	
26 05 33 13-2232 EA 2-1/2" Base Spacer, Average 4" Wide, Direct Burial.....	10.30	
26 05 33 13-2233 EA 2-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial.....	9.97	
26 05 33 13-2234 EA 3" Base Spacer, Average 4" Wide, Direct Burial.....	11.77	
26 05 33 13-2235 EA 3" Intermediate Spacers, Average 4" Wide, Direct Burial.....	11.26	
26 05 33 13-2236 EA 3-1/2" Base Spacer, Average 4" Wide, Direct Burial.....	12.75	
26 05 33 13-2237 EA 3-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial.....	12.21	
26 05 33 13-2238 EA 4" Base Spacer, Average 4" Wide, Direct Burial.....	13.16	
26 05 33 13-2239 EA 4" Intermediate Spacers, Average 4" Wide, Direct Burial.....	12.55	
26 05 33 13-2240 EA 5" Base Spacer, Average 4" Wide, Direct Burial.....	14.55	
26 05 33 13-2241 EA 5" Intermediate Spacers, Average 4" Wide, Direct Burial.....	13.84	
26 05 33 13-2242 EA 6" Base Spacer, Average 4" Wide, Direct Burial.....	16.53	
26 05 33 13-2243 EA 6" Intermediate Spacers, Average 4" Wide, Direct Burial.....	15.93	
<b>26 05 33 13-2244 Conduit Field Bending</b> <small>(26 05 33 13-0057)</small>		
<b>26 05 33 13-2245 Metallic Conduit Field Bending</b> <small>(26 05 33 13-2244)</small>		
<small>Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT), Intermediate Metal Conduit (IMC) and aluminum conduits.</small>		
26 05 33 13-2246 EA 1-1/4" Metallic Conduit Field Bending.....	11.34	
26 05 33 13-2247 EA 1-1/2" Metallic Conduit Field Bending.....	15.12	
26 05 33 13-2248 EA 2" Metallic Conduit Field Bending.....	18.89	
26 05 33 13-2249 EA 2-1/2" Metallic Conduit Field Bending.....	26.46	
26 05 33 13-2250 EA 3" Metallic Conduit Field Bending.....	34.01	
26 05 33 13-2251 EA 3-1/2" Metallic Conduit Field Bending.....	41.57	
26 05 33 13-2252 EA 4" Metallic Conduit Field Bending.....	49.12	
26 05 33 13-2253 EA 5" Metallic Conduit Field Bending.....	60.46	
26 05 33 13-2254 EA 6" Metallic Conduit Field Bending.....	71.80	
<b>26 05 33 13-2255 Plastic Conduit Field Bending</b> <small>(26 05 33 13-2244)</small>		
<small>Note: For PVC conduits.</small>		
26 05 33 13-2256 EA 1" Plastic Conduit Field Bending.....	17.38	
26 05 33 13-2257 EA 1-1/4" Plastic Conduit Field Bending.....	18.89	
26 05 33 13-2258 EA 1-1/2" Plastic Conduit Field Bending.....	22.68	
26 05 33 13-2259 EA 2" Plastic Conduit Field Bending.....	30.23	
26 05 33 13-2260 EA 2-1/2" Plastic Conduit Field Bending.....	37.80	
26 05 33 13-2261 EA 3" Plastic Conduit Field Bending.....	45.35	
26 05 33 13-2262 EA 3-1/2" Plastic Conduit Field Bending.....	52.91	
26 05 33 13-2263 EA 4" Plastic Conduit Field Bending.....	60.46	
26 05 33 13-2264 EA 5" Plastic Conduit Field Bending.....	68.03	
26 05 33 13-2265 EA 6" Plastic Conduit Field Bending.....	75.58	
<b>26 05 33 13-2266 Cut And Thread Existing In-Place Threaded Conduit</b> <small>(26 05 33 13-0057)</small>		
<small>Note: For use when connecting conduit to an existing in-place system.</small>		
26 05 33 13-2267 EA 1/2", Cut And Thread Existing In-Place Threaded Conduit.....	22.06	
<i>For Work In Restricted Working Space, Add</i>	6.62	
26 05 33 13-2268 EA 3/4", Cut And Thread Existing In-Place Threaded Conduit.....	24.26	
<i>For Work In Restricted Working Space, Add</i>	7.28	
26 05 33 13-2269 EA 1", Cut And Thread Existing In-Place Threaded Conduit.....	26.47	
<i>For Work In Restricted Working Space, Add</i>	7.94	
26 05 33 13-2270 EA 1-1/4", Cut And Thread Existing In-Place Threaded Conduit.....	28.67	
<i>For Work In Restricted Working Space, Add</i>	8.60	
26 05 33 13-2271 EA 1-1/2", Cut And Thread Existing In-Place Threaded Conduit.....	30.14	
<i>For Work In Restricted Working Space, Add</i>	9.04	
26 05 33 13-2272 EA 2", Cut And Thread Existing In-Place Threaded Conduit.....	31.61	
<i>For Work In Restricted Working Space, Add</i>	9.48	
26 05 33 13-2273 EA 2-1/2", Cut And Thread Existing In-Place Threaded Conduit.....	33.09	
<i>For Work In Restricted Working Space, Add</i>	9.93	
26 05 33 13-2274 EA 3", Cut And Thread Existing In-Place Threaded Conduit.....	34.55	
<i>For Work In Restricted Working Space, Add</i>	10.37	
26 05 33 13-2275 EA 3-1/2", Cut And Thread Existing In-Place Threaded Conduit.....	35.28	
<i>For Work In Restricted Working Space, Add</i>	10.58	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2276 EA 4", Cut And Thread Existing In-Place Threaded Conduit .....	36.02	
For Work In Restricted Working Space, Add	10.81	
26 05 33 13-2277 EA 5", Cut And Thread Existing In-Place Threaded Conduit .....	37.49	
For Work In Restricted Working Space, Add	11.25	
26 05 33 13-2278 EA 6", Cut And Thread Existing In-Place Threaded Conduit .....	38.96	
For Work In Restricted Working Space, Add	11.69	
<b>26 05 33 13-2279 Flexible Conduit</b> <small>(26 05 33 13-0057)</small>		
<b>26 05 33 13-2280 Flexible Liquid Tight Metallic Conduit And Connectors</b> <small>(26 05 33 13-2279)</small>		
Note: Steel inner core with PVC cover.		
<b>26 05 33 13-2281 Flexible Liquid Tight Metallic Conduit</b> <small>(26 05 33 13-2280)</small>		
26 05 33 13-2282 LF 3/8" Flexible Liquid Tight Metallic Conduit .....	3.00	0.80
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.30	
For Work In Restricted Working Space, Add	0.61	
26 05 33 13-2283 LF 1/2" Flexible Liquid Tight Metallic Conduit .....	3.14	0.80
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.30	
For Work In Restricted Working Space, Add	0.61	
26 05 33 13-2284 LF 3/4" Flexible Liquid Tight Metallic Conduit .....	4.22	1.07
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.40	
For Work In Restricted Working Space, Add	0.81	
26 05 33 13-2285 LF 1" Flexible Liquid Tight Metallic Conduit .....	4.99	1.07
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.40	
For Work In Restricted Working Space, Add	0.81	
26 05 33 13-2286 LF 1-1/4" Flexible Liquid Tight Metallic Conduit .....	6.49	1.34
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.50	
For Work In Restricted Working Space, Add	1.01	
26 05 33 13-2287 LF 1-1/2" Flexible Liquid Tight Metallic Conduit .....	8.43	1.61
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.60	
For Work In Restricted Working Space, Add	1.21	
26 05 33 13-2288 LF 2" Flexible Liquid Tight Metallic Conduit .....	11.07	2.15
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.81	
For Work In Restricted Working Space, Add	1.61	
26 05 33 13-2289 LF 2-1/2" Flexible Liquid Tight Metallic Conduit .....	15.46	2.42
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.91	
For Work In Restricted Working Space, Add	1.81	
26 05 33 13-2290 LF 3" Flexible Liquid Tight Metallic Conduit .....	23.22	2.95
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.11	
For Work In Restricted Working Space, Add	2.21	
26 05 33 13-2291 LF 4" Flexible Liquid Tight Metallic Conduit .....	32.00	3.76
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.41	
For Work In Restricted Working Space, Add	2.82	
<b>26 05 33 13-2292 Straight Liquid Tight Connector</b> <small>(26 05 33 13-2280)</small>		
26 05 33 13-2293 EA 3/8" Straight Liquid Tight Connector .....	8.16	2.15
For Work In Restricted Working Space, Add	1.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.61	
26 05 33 13-2294 EA 1/2" Straight Liquid Tight Connector .....	8.16	2.15
For Work In Restricted Working Space, Add	1.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.61	
26 05 33 13-2295 EA 3/4" Straight Liquid Tight Connector .....	10.04	2.42
For Work In Restricted Working Space, Add	1.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.81	
26 05 33 13-2296 EA 1" Straight Liquid Tight Connector .....	13.85	2.69
For Work In Restricted Working Space, Add	2.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.01	
26 05 33 13-2297 EA 1-1/4" Straight Liquid Tight Connector .....	18.18	2.95
For Work In Restricted Working Space, Add	2.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.21	
26 05 33 13-2298 EA 1-1/2" Straight Liquid Tight Connector .....	23.46	3.22
For Work In Restricted Working Space, Add	2.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.42	
26 05 33 13-2299 EA 2" Straight Liquid Tight Connector .....	32.86	3.76
For Work In Restricted Working Space, Add	2.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.82	
26 05 33 13-2300 EA 2-1/2" Straight Liquid Tight Connector .....	118.63	4.83
For Work In Restricted Working Space, Add	3.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.62	
26 05 33 13-2301 EA 3" Straight Liquid Tight Connector .....	153.86	5.09
For Work In Restricted Working Space, Add	3.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.83	
26 05 33 13-2302 EA 4" Straight Liquid Tight Connector .....	187.30	7.51
For Work In Restricted Working Space, Add	5.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.63	
<b>26 05 33 13-2303 90 Degree Angle Liquid Tight Connector</b> <small>(26 05 33 13-2280)</small>		
26 05 33 13-2304 EA 3/8" 90 Degree Angle Liquid Tight Connector .....	12.05	2.95
For Work In Restricted Working Space, Add	2.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2305 EA 1/2" 90 Degree Angle Liquid Tight Connector.....	12.65	2.95
For Work In Restricted Working Space, Add	2.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.21	
26 05 33 13-2306 EA 3/4" 90 Degree Angle Liquid Tight Connector.....	14.39	3.22
For Work In Restricted Working Space, Add	2.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.42	
26 05 33 13-2307 EA 1" 90 Degree Angle Liquid Tight Connector.....	20.91	3.76
For Work In Restricted Working Space, Add	2.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.82	
26 05 33 13-2308 EA 1-1/4" 90 Degree Angle Liquid Tight Connector .....	26.91	4.02
For Work In Restricted Working Space, Add	3.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.02	
26 05 33 13-2309 EA 1-1/2" 90 Degree Angle Liquid Tight Connector .....	33.11	4.29
For Work In Restricted Working Space, Add	3.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.22	
26 05 33 13-2310 EA 2" 90 Degree Angle Liquid Tight Connector.....	44.48	4.83
For Work In Restricted Working Space, Add	3.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.62	
26 05 33 13-2311 EA 2-1/2" 90 Degree Angle Liquid Tight Connector .....	167.05	5.09
For Work In Restricted Working Space, Add	3.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.83	
26 05 33 13-2312 EA 3" 90 Degree Angle Liquid Tight Connector.....	197.48	5.91
For Work In Restricted Working Space, Add	4.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.43	
26 05 33 13-2313 EA 4" 90 Degree Angle Liquid Tight Connector.....	272.20	9.39
For Work In Restricted Working Space, Add	7.04	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.04	
<b>26 05 33 13-2314 45 Degree Angle Connector</b> <small>(26 05 33 13-2280)</small>		
26 05 33 13-2315 EA 3/8" 45 Degree Angle Liquid Tight Connector.....	11.84	2.95
For Work In Restricted Working Space, Add	2.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.21	
26 05 33 13-2316 EA 1/2" 45 Degree Angle Liquid Tight Connector.....	11.99	2.95
For Work In Restricted Working Space, Add	2.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.21	
26 05 33 13-2317 EA 3/4" 45 Degree Angle Liquid Tight Connector.....	14.39	3.22
For Work In Restricted Working Space, Add	2.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.42	
26 05 33 13-2318 EA 1" 45 Degree Angle Liquid Tight Connector.....	22.55	3.76
For Work In Restricted Working Space, Add	2.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.82	
26 05 33 13-2319 EA 1-1/4" 45 Degree Angle Liquid Tight Connector .....	25.84	4.02
For Work In Restricted Working Space, Add	3.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.02	
26 05 33 13-2320 EA 1-1/2" 45 Degree Angle Liquid Tight Connector .....	29.13	4.29
For Work In Restricted Working Space, Add	3.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.22	
<b>26 05 33 13-2321 Flexible Metallic Conduit And Connectors</b> <small>(26 05 33 13-2279)</small>		
<b>26 05 33 13-2322 Flexible Steel Conduit</b> <small>(26 05 33 13-2321)</small>		
26 05 33 13-2323 LF 3/8" Flexible Metallic Conduit.....	2.60	0.88
For Flexible Aluminum Conduit, Add	0.07	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.32	
For Installation In Metal Stud Wall, Add	0.22	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.54	
For Work In Restricted Working Space, Add	0.65	
26 05 33 13-2324 LF 1/2" Flexible Metallic Conduit.....	2.70	0.88
For Flexible Aluminum Conduit, Add	0.08	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.33	
For Installation In Metal Stud Wall, Add	0.22	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.55	
For Work In Restricted Working Space, Add	0.66	
26 05 33 13-2325 LF 3/4" Flexible Metallic Conduit.....	3.06	1.17
For Flexible Aluminum Conduit, Add	0.11	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.36	
For Installation In Metal Stud Wall, Add	0.24	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.60	
For Work In Restricted Working Space, Add	0.72	
26 05 33 13-2326 LF 1" Flexible Metallic Conduit.....	3.83	1.17
For Flexible Aluminum Conduit, Add	0.21	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.39	
For Installation In Metal Stud Wall, Add	0.26	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.64	
For Work In Restricted Working Space, Add	0.77	
26 05 33 13-2327 LF 1-1/4" Flexible Metallic Conduit .....	4.36	1.46
For Flexible Aluminum Conduit, Add	0.27	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.41	
For Installation In Metal Stud Wall, Add	0.27	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.68	
For Work In Restricted Working Space, Add	0.82	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2328 LF 1-1/2" Flexible Metallic Conduit.....	5.71	1.76
For Flexible Aluminum Conduit, Add	0.48	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.42	
For Installation In Metal Stud Wall, Add	0.28	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.71	
For Work In Restricted Working Space, Add	0.85	
26 05 33 13-2329 LF 2" Flexible Metallic Conduit.....	6.47	2.35
For Flexible Aluminum Conduit, Add	0.58	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.44	
For Installation In Metal Stud Wall, Add	0.29	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.74	
For Work In Restricted Working Space, Add	0.88	
26 05 33 13-2330 LF 2-1/2" Flexible Steel Conduit.....	7.94	2.64
For Flexible Aluminum Conduit, Add	0.70	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.55	
For Installation In Metal Stud Wall, Add	0.37	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.92	
For Work In Restricted Working Space, Add	1.10	
26 05 33 13-2331 LF 3" Flexible Metallic Conduit.....	11.82	3.23
For Flexible Aluminum Conduit, Add	1.22	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.66	
For Installation In Metal Stud Wall, Add	0.44	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.10	
For Work In Restricted Working Space, Add	1.32	
26 05 33 13-2332 LF 3-1/2" Flexible Metallic Conduit.....	14.48	3.52
For Flexible Aluminum Conduit, Add	1.54	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.77	
For Installation In Metal Stud Wall, Add	0.51	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.28	
For Work In Restricted Working Space, Add	1.54	
26 05 33 13-2333 LF 4" Flexible Metallic Conduit.....	16.66	4.11
For Flexible Aluminum Conduit, Add	1.78	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.88	
For Installation In Metal Stud Wall, Add	0.59	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.47	
For Work In Restricted Working Space, Add	1.76	
<b>26 05 33 13-2334 Plain Squeeze Type Straight Connector</b> <small>(26 05 33 13-2321)</small>		
26 05 33 13-2335 EA 3/8" Flexible Straight Connectors, Plain.....	4.44	2.35
For Work In Restricted Working Space, Add	0.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.99	
26 05 33 13-2336 EA 1/2" Flexible Straight Connectors, Plain.....	5.48	2.64
For Work In Restricted Working Space, Add	1.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.10	
26 05 33 13-2337 EA 3/4" Flexible Straight Connectors, Plain.....	6.30	3.23
For Work In Restricted Working Space, Add	1.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.32	
26 05 33 13-2338 EA 1" Flexible Straight Connectors, Plain.....	10.05	3.52
For Work In Restricted Working Space, Add	1.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.76	
26 05 33 13-2339 EA 1-1/4" Flexible Straight Connectors, Plain.....	14.18	4.11
For Work In Restricted Working Space, Add	2.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.20	
26 05 33 13-2340 EA 1-1/2" Flexible Straight Connectors, Plain.....	18.67	4.99
For Work In Restricted Working Space, Add	2.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.75	
26 05 33 13-2341 EA 2" Flexible Straight Connectors, Plain.....	24.52	4.99
For Work In Restricted Working Space, Add	3.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.30	
26 05 33 13-2342 EA 2-1/2" Flexible Straight Connectors, Plain.....	39.38	6.17
For Work In Restricted Working Space, Add	3.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.85	
26 05 33 13-2343 EA 3" Flexible Straight Connectors, Plain.....	51.47	6.75
For Work In Restricted Working Space, Add	4.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.40	
26 05 33 13-2344 EA 3-1/2" Flexible Straight Connectors, Plain.....	158.80	7.92
For Work In Restricted Working Space, Add	4.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.95	
26 05 33 13-2345 EA 4" Flexible Straight Connectors, Plain.....	198.36	9.68
For Work In Restricted Working Space, Add	5.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.51	
<b>26 05 33 13-2346 Insulated Throat Squeeze Type Straight Connector</b> <small>(26 05 33 13-2321)</small>		
26 05 33 13-2347 EA 1/2" Flexible Straight Connectors, Insulated.....	6.10	2.64
For Work In Restricted Working Space, Add	1.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.10	
26 05 33 13-2348 EA 3/4" Flexible Straight Connectors, Insulated.....	7.12	3.23
For Work In Restricted Working Space, Add	1.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.32	
26 05 33 13-2349 EA 1" Flexible Straight Connectors, Insulated.....	11.16	3.52
For Work In Restricted Working Space, Add	1.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2350 EA 1-1/4" Flexible Straight Connectors, Insulated.....	16.22	4.11
For Work In Restricted Working Space, Add	2.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.20	
26 05 33 13-2351 EA 1-1/2" Flexible Straight Connectors, Insulated.....	22.30	4.40
For Work In Restricted Working Space, Add	2.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.75	
26 05 33 13-2352 EA 2" Flexible Straight Connectors, Insulated.....	30.93	4.99
For Work In Restricted Working Space, Add	3.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.30	
26 05 33 13-2353 EA 2-1/2" Flexible Straight Connectors, Insulated.....	53.10	6.17
For Work In Restricted Working Space, Add	3.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.85	
26 05 33 13-2354 EA 3" Flexible Straight Connectors, Insulated.....	67.65	6.75
For Work In Restricted Working Space, Add	4.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.40	
26 05 33 13-2355 EA 3-1/2" Flexible Straight Connectors, Insulated.....	183.73	7.92
For Work In Restricted Working Space, Add	4.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.95	
26 05 33 13-2356 EA 4" Flexible Straight Connectors, Insulated.....	235.85	9.68
For Work In Restricted Working Space, Add	5.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.51	
<b>26 05 33 13-2357 Plain Squeeze Type 90 Degree Connector</b> <small>(26 05 33 13-2321)</small>		
26 05 33 13-2358 EA 3/8" Flexible 90 Degree Connector, Plain.....	6.22	2.94
For Work In Restricted Working Space, Add	1.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.32	
26 05 33 13-2359 EA 1/2" Flexible 90 Degree Connector, Plain.....	8.18	3.23
For Work In Restricted Working Space, Add	1.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.54	
26 05 33 13-2360 EA 3/4" Flexible 90 Degree Connector, Plain.....	10.65	3.52
For Work In Restricted Working Space, Add	1.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.76	
26 05 33 13-2361 EA 1" Flexible 90 Degree Connector, Plain.....	14.88	4.11
For Work In Restricted Working Space, Add	2.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.20	
26 05 33 13-2362 EA 1-1/4" Flexible 90 Degree Connector, Plain.....	23.12	4.40
For Work In Restricted Working Space, Add	2.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.64	
26 05 33 13-2363 EA 1-1/2" Flexible 90 Degree Connector, Plain.....	36.03	5.13
For Work In Restricted Working Space, Add	3.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.30	
26 05 33 13-2364 EA 2" Flexible 90 Degree Connector, Plain.....	43.42	6.31
For Work In Restricted Working Space, Add	3.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.74	
26 05 33 13-2365 EA 2-1/2" Flexible 90 Degree Connector, Plain.....	95.34	6.75
For Work In Restricted Working Space, Add	4.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.40	
26 05 33 13-2366 EA 3" Flexible 90 Degree Connector, Plain.....	122.40	7.92
For Work In Restricted Working Space, Add	4.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.95	
26 05 33 13-2367 EA 3-1/2" Flexible 90 Degree Connector, Plain.....	259.16	9.68
For Work In Restricted Working Space, Add	5.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.51	
26 05 33 13-2368 EA 4" Flexible 90 Degree Connector, Plain.....	462.68	11.01
For Work In Restricted Working Space, Add	6.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.61	
<b>26 05 33 13-2369 Insulated Throat Squeeze Type 90 Degree Connector</b> <small>(26 05 33 13-2321)</small>		
26 05 33 13-2370 EA 1/2" Flexible 90 Degree Connector, Insulated.....	9.05	3.23
For Work In Restricted Working Space, Add	1.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.54	
26 05 33 13-2371 EA 3/4" Flexible 90 Degree Connector, Insulated.....	11.71	3.52
For Work In Restricted Working Space, Add	1.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.76	
26 05 33 13-2372 EA 1" Flexible 90 Degree Connector, Insulated.....	14.88	4.11
For Work In Restricted Working Space, Add	2.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.20	
26 05 33 13-2373 EA 1-1/4" Flexible 90 Degree Connector, Insulated.....	26.90	4.40
For Work In Restricted Working Space, Add	2.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.64	
26 05 33 13-2374 EA 1-1/2" Flexible 90 Degree Connector, Insulated.....	42.91	5.13
For Work In Restricted Working Space, Add	3.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.30	
26 05 33 13-2375 EA 2" Flexible 90 Degree Connector, Insulated.....	54.59	6.31
For Work In Restricted Working Space, Add	3.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.74	
26 05 33 13-2376 EA 2-1/2" Flexible 90 Degree Connector, Insulated.....	130.27	6.75
For Work In Restricted Working Space, Add	4.40	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.40	
26 05 33 13-2377 EA 3" Flexible 90 Degree Connector, Insulated.....	160.25	7.92
For Work In Restricted Working Space, Add	4.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.95	



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2378	EA	3-1/2" Flexible 90 Degree Connector, Insulated .....	430.70	9.68
			<i>For Work In Restricted Working Space, Add</i>	5.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.51	
26 05 33	13-2379	EA	4" Flexible 90 Degree Connector, Insulated.....	642.34	11.01
			<i>For Work In Restricted Working Space, Add</i>	6.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.61	
<b>26 05 33</b>	<b>13-2380</b>		<b>Plain Squeeze Type 45 Degree Connector</b> (26 05 33 13-2321)		
26 05 33	13-2381	EA	3/8" Flexible 45 Degree Connector, Plain .....	6.92	2.94
			<i>For Work In Restricted Working Space, Add</i>	1.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.32	
26 05 33	13-2382	EA	1/2" Flexible 45 Degree Connector, Plain .....	9.30	3.23
			<i>For Work In Restricted Working Space, Add</i>	1.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.54	
26 05 33	13-2383	EA	3/4" Flexible 45 Degree Connector, Plain .....	11.89	3.52
			<i>For Work In Restricted Working Space, Add</i>	1.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.76	
<b>26 05 33</b>	<b>13-2384</b>		<b>Insulated Squeeze Type 45 Degree Connector</b> (26 05 33 13-2321)		
26 05 33	13-2385	EA	3/8" Flexible 45 Degree Connector, Insulated.....	7.40	3.52
			<i>For Work In Restricted Working Space, Add</i>	1.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.32	
26 05 33	13-2386	EA	1/2" Flexible 45 Degree Connector, Insulated.....	10.09	3.23
			<i>For Work In Restricted Working Space, Add</i>	1.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.54	
26 05 33	13-2387	EA	3/4" Flexible 45 Degree Connector, Insulated.....	13.01	3.52
			<i>For Work In Restricted Working Space, Add</i>	1.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.76	
<b>26 05 33</b>	<b>13-2388</b>		<b>Plain Screw-In Connector</b> (26 05 33 13-2321)		
26 05 33	13-2389	EA	3/8" Flexible Steel Screw-in Connector, Plain.....	3.72	2.35
			<i>For Work In Restricted Working Space, Add</i>	0.99	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	0.99	
26 05 33	13-2390	EA	1/2" Flexible Steel Screw-in Connector, Plain.....	4.02	2.64
			<i>For Work In Restricted Working Space, Add</i>	1.10	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.10	
26 05 33	13-2391	EA	3/4" Flexible Steel Screw-in Connector, Plain.....	5.11	3.23
			<i>For Work In Restricted Working Space, Add</i>	1.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.32	
26 05 33	13-2392	EA	1" Flexible Steel Screw-in Connector, Plain.....	7.30	3.52
			<i>For Work In Restricted Working Space, Add</i>	1.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.76	
26 05 33	13-2393	EA	1-1/4" Flexible Steel Screw-in Connector, Plain.....	10.68	4.11
			<i>For Work In Restricted Working Space, Add</i>	2.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.20	
26 05 33	13-2394	EA	1-1/2" Flexible Steel Screw-in Connector, Plain.....	13.06	4.40
			<i>For Work In Restricted Working Space, Add</i>	2.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.75	
26 05 33	13-2395	EA	2" Flexible Steel Screw-in Connector, Plain.....	19.08	4.99
			<i>For Work In Restricted Working Space, Add</i>	3.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.30	
<b>26 05 33</b>	<b>13-2396</b>		<b>Insulated Screw-In Connector</b> (26 05 33 13-2321)		
26 05 33	13-2397	EA	3/8" Flexible Steel Screw-in Connector, Insulated .....	3.93	2.35
			<i>For Work In Restricted Working Space, Add</i>	0.99	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	0.99	
26 05 33	13-2398	EA	1/2" Flexible Steel Screw-in Connector, Insulated .....	4.18	2.64
			<i>For Work In Restricted Working Space, Add</i>	1.10	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.10	
26 05 33	13-2399	EA	3/4" Flexible Steel Screw-in Connector, Insulated .....	5.53	3.23
			<i>For Work In Restricted Working Space, Add</i>	1.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.32	
26 05 33	13-2400	EA	1" Flexible Steel Screw-in Connector, Insulated .....	7.94	3.52
			<i>For Work In Restricted Working Space, Add</i>	1.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.76	
26 05 33	13-2401	EA	1-1/4" Flexible Steel Screw-in Connector, Insulated .....	11.60	4.11
			<i>For Work In Restricted Working Space, Add</i>	2.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.20	
26 05 33	13-2402	EA	1-1/2" Flexible Steel Screw-in Connector, Insulated .....	14.16	4.40
			<i>For Work In Restricted Working Space, Add</i>	2.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.75	
26 05 33	13-2403	EA	2" Flexible Steel Screw-in Connector, Insulated .....	20.05	4.99
			<i>For Work In Restricted Working Space, Add</i>	3.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.30	
<b>26 05 33</b>	<b>13-2404</b>		<b>Screw-In Coupling</b> (26 05 33 13-2321)		
26 05 33	13-2405	EA	1/2" Flexible Steel Screw-in Coupling .....	4.42	2.64
			<i>For Work In Restricted Working Space, Add</i>	1.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2406 EA 3/4" Flexible Steel Screw-in Coupling <i>For Work In Restricted Working Space, Add</i>	5.78 1.32	3.23
<b>26 05 33 13-2407 Flexible To Electrical Metallic Tubing (EMT) Coupling</b> <small>(26 05 33 13-2321)</small>		
26 05 33 13-2408 EA 3/8" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling <i>For Work In Restricted Working Space, Add</i>	5.87 0.99	2.35
26 05 33 13-2409 EA 1/2" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling <i>For Work In Restricted Working Space, Add</i>	7.95 1.10	2.64
26 05 33 13-2410 EA 3/4" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling <i>For Work In Restricted Working Space, Add</i>	10.48 1.32	3.23
<b>26 05 33 13-2411 Die Cast Squeeze Type Straight Connector</b> <small>(26 05 33 13-2321)</small>		
26 05 33 13-2412 EA 3/8" Flexible Straight Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.85 0.99 0.99	2.35
26 05 33 13-2413 EA 1/2" Flexible Straight Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.35 1.10 1.10	2.64
26 05 33 13-2414 EA 3/4" Flexible Straight Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.39 1.32 1.32	3.23
26 05 33 13-2415 EA 1" Flexible Straight Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.09 1.76 1.76	3.52
26 05 33 13-2416 EA 1-1/4" Flexible Straight Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.87 2.20 2.20	4.11
26 05 33 13-2417 EA 1-1/2" Flexible Straight Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.71 2.75 2.75	4.40
26 05 33 13-2418 EA 2" Flexible Straight Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.99 3.30 3.30	4.99
<b>26 05 33 13-2419 Die Cast Squeeze Type 90 Degree Connector</b> <small>(26 05 33 13-2321)</small>		
26 05 33 13-2420 EA 3/8" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.10 1.32 1.32	2.94
26 05 33 13-2421 EA 1/2" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.31 1.54 1.54	3.23
26 05 33 13-2422 EA 3/4" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.64 1.76 1.76	3.52
26 05 33 13-2423 EA 1" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.02 2.20 2.20	4.11
26 05 33 13-2424 EA 1-1/4" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.97 2.64 2.64	4.40
26 05 33 13-2425 EA 1-1/2" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.26 3.30 3.30	5.13
26 05 33 13-2426 EA 2" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.36 3.74 3.74	6.31
<b>26 05 33 13-2427 Flexible Liquid Tight Non-Metallic Conduit And Connectors</b> <small>(26 05 33 13-2279)</small>		
<b>26 05 33 13-2428 Flexible Liquid Tight Non-Metallic Conduit</b> <small>(26 05 33 13-2427)</small>		
26 05 33 13-2429 LF 3/8" Flexible Liquid Tight Non-Metallic Conduit <i>For Work In Restricted Working Space, Add</i>	2.61 0.61	0.80
26 05 33 13-2430 LF 1/2" Flexible Liquid Tight Non-Metallic Conduit <i>For Work In Restricted Working Space, Add</i>	2.66 0.61	0.80
26 05 33 13-2431 LF 3/4" Flexible Liquid Tight Non-Metallic Conduit <i>For Work In Restricted Working Space, Add</i>	3.57 0.81	1.07
26 05 33 13-2432 LF 1" Flexible Liquid Tight Non-Metallic Conduit <i>For Work In Restricted Working Space, Add</i>	4.47 0.81	1.07
26 05 33 13-2433 LF 1-1/4" Flexible Liquid Tight Non-Metallic Conduit <i>For Work In Restricted Working Space, Add</i>	5.67 1.01	1.34
26 05 33 13-2434 LF 1-1/2" Flexible Liquid Tight Non-Metallic Conduit <i>For Work In Restricted Working Space, Add</i>	7.25 1.21	1.61
26 05 33 13-2435 LF 2" Flexible Liquid Tight Non-Metallic Conduit <i>For Work In Restricted Working Space, Add</i>	9.30 1.61	2.15
<b>26 05 33 13-2436 Liquid Tight Non-Metallic Straight Connector</b> <small>(26 05 33 13-2427)</small>		
26 05 33 13-2437 EA 3/8" Liquid Tight Non-Metallic Straight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.54 1.61 1.61	2.15

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2438	EA		1/2" Liquid Tight Non-Metallic Straight Connector .....7.54		2.15
			<i>For Work In Restricted Working Space, Add</i>	1.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.61	
26 05 33 13-2439	EA		3/4" Liquid Tight Non-Metallic Straight Connector .....9.25		2.42
			<i>For Work In Restricted Working Space, Add</i>	1.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.81	
26 05 33 13-2440	EA		1" Liquid Tight Non-Metallic Straight Connector .....11.53		2.69
			<i>For Work In Restricted Working Space, Add</i>	2.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.01	
26 05 33 13-2441	EA		1-1/4" Liquid Tight Non-Metallic Straight Connector .....16.03		2.95
			<i>For Work In Restricted Working Space, Add</i>	2.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.21	
26 05 33 13-2442	EA		1-1/2" Liquid Tight Non-Metallic Straight Connector .....20.10		3.22
			<i>For Work In Restricted Working Space, Add</i>	2.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.42	
26 05 33 13-2443	EA		2" Liquid Tight Non-Metallic Straight Connector .....31.49		3.76
			<i>For Work In Restricted Working Space, Add</i>	2.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.82	
<b>26 05 33 13-2444 Liquid Tight Non-Metallic 90 Degree Angle Connector</b> (26 05 33 13-2427)					
26 05 33 13-2445	EA		3/8" Liquid Tight Non-Metallic 90 Degree Angle Connector .....10.91		2.95
			<i>For Work In Restricted Working Space, Add</i>	2.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.21	
26 05 33 13-2446	EA		1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector .....10.91		2.95
			<i>For Work In Restricted Working Space, Add</i>	2.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.21	
26 05 33 13-2447	EA		3/4" Liquid Tight Non-Metallic 90 Degree Angle Connector .....13.48		3.22
			<i>For Work In Restricted Working Space, Add</i>	2.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.42	
26 05 33 13-2448	EA		1" Liquid Tight Non-Metallic 90 Degree Angle Connector .....19.19		3.76
			<i>For Work In Restricted Working Space, Add</i>	2.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.82	
26 05 33 13-2449	EA		1-1/4" Liquid Tight Non-Metallic 90 Degree Angle Connector .....19.81		4.02
			<i>For Work In Restricted Working Space, Add</i>	3.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.02	
26 05 33 13-2450	EA		1-1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector .....31.63		4.29
			<i>For Work In Restricted Working Space, Add</i>	3.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.22	
26 05 33 13-2451	EA		2" Liquid Tight Non-Metallic 90 Degree Angle Connector .....42.66		4.83
			<i>For Work In Restricted Working Space, Add</i>	3.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.62	
<b>26 05 33 13-2452 Liquid Tight Non-Metallic 45 Degree Angle Connector</b> (26 05 33 13-2427)					
26 05 33 13-2453	EA		3/8" Liquid Tight Non-Metallic 45 Degree Angle Connector .....10.91		2.95
			<i>For Work In Restricted Working Space, Add</i>	2.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.21	
26 05 33 13-2454	EA		1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector .....10.91		2.95
			<i>For Work In Restricted Working Space, Add</i>	2.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.21	
26 05 33 13-2455	EA		3/4" Liquid Tight Non-Metallic 45 Degree Angle Connector .....13.48		3.22
			<i>For Work In Restricted Working Space, Add</i>	2.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.42	
26 05 33 13-2456	EA		1" Liquid Tight Non-Metallic 45 Degree Angle Connector .....19.19		3.76
			<i>For Work In Restricted Working Space, Add</i>	2.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.82	
26 05 33 13-2457	EA		1-1/4" Liquid Tight Non-Metallic 45 Degree Angle Connector .....19.81		4.02
			<i>For Work In Restricted Working Space, Add</i>	3.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.02	
26 05 33 13-2458	EA		1-1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector .....31.63		4.29
			<i>For Work In Restricted Working Space, Add</i>	3.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.22	
26 05 33 13-2459	EA		2" Liquid Tight Non-Metallic 45 Degree Angle Connector .....42.66		4.83
			<i>For Work In Restricted Working Space, Add</i>	3.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.62	
26 05 33 13-2460			<b>Blue ENT Electrical Non-Metallic Tubing</b> (26 05 33 13-2279) Note: Carlon - FLEX-PLUS.		
<b>26 05 33 13-2461 Blue ENT Electrical Non-Metallic Tubing</b> (26 05 33 13-2460)					
26 05 33 13-2462	LF		1/2" Blue ENT Electrical Non-Metallic Tubing .....2.48		0.88
			<i>For Work In Restricted Working Space, Add</i>	0.66	
26 05 33 13-2463	LF		3/4" Blue ENT Electrical Non-Metallic Tubing .....3.32		1.17
			<i>For Work In Restricted Working Space, Add</i>	0.88	
26 05 33 13-2464	LF		1" Blue ENT Electrical Non-Metallic Tubing .....3.55		1.17
			<i>For Work In Restricted Working Space, Add</i>	0.88	
<b>26 05 33 13-2465 Terminal Adapter</b> (26 05 33 13-2460)					
26 05 33 13-2466	EA		1/2" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing .....6.32		2.35
			<i>For Work In Restricted Working Space, Add</i>	1.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2467 EA 3/4" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing.....	7.42	2.64
<i>For Work In Restricted Working Space, Add</i>	1.98	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.98	
26 05 33 13-2468 EA 1" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing.....	8.39	2.94
<i>For Work In Restricted Working Space, Add</i>	2.20	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.20	
<b>26 05 33 13-2469 Coupling</b> <small>(26 05 33 13-2460)</small>		
26 05 33 13-2470 EA 1/2" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing .....	6.26	2.35
<i>For Work In Restricted Working Space, Add</i>	1.76	
26 05 33 13-2471 EA 3/4" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing .....	7.11	2.64
<i>For Work In Restricted Working Space, Add</i>	1.98	
26 05 33 13-2472 EA 1" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing .....	8.10	2.94
<i>For Work In Restricted Working Space, Add</i>	2.20	
<b>26 05 33 13-2473 Conduit Bodies</b> <small>(26 05 33 13-0057)</small>		
<b>26 05 33 13-2474 Threaded, Cast Aluminum Conduit Body</b> <small>(26 05 33 13-2473)</small>		
<b>26 05 33 13-2475 Type LB, Threaded, Two Hub Cast Aluminum Conduit Body</b> <small>(26 05 33 13-2474)</small>		
26 05 33 13-2476 EA 1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	38.39	12.88
<i>For Mogul LB, Add</i>	3.03	
<i>For Work In Restricted Working Space, Add</i>	9.66	
<i>For Installation Above 14', Add</i>	4.83	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.66	
26 05 33 13-2477 EA 3/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	45.30	14.76
<i>For Mogul LB, Add</i>	4.46	
<i>For Work In Restricted Working Space, Add</i>	11.07	
<i>For Installation Above 14', Add</i>	5.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.07	
26 05 33 13-2478 EA 1" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	54.89	17.17
<i>For Mogul LB, Add</i>	6.82	
<i>For Work In Restricted Working Space, Add</i>	12.88	
<i>For Installation Above 14', Add</i>	6.44	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.88	
26 05 33 13-2479 EA 1-1/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	66.83	19.59
<i>For Mogul LB, Add</i>	10.95	
<i>For Work In Restricted Working Space, Add</i>	14.69	
<i>For Installation Above 14', Add</i>	7.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.69	
26 05 33 13-2480 EA 1-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	76.71	21.46
<i>For Mogul LB, Add</i>	14.60	
<i>For Work In Restricted Working Space, Add</i>	16.10	
<i>For Installation Above 14', Add</i>	8.05	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.10	
26 05 33 13-2481 EA 2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	101.61	25.76
<i>For Mogul LB, Add</i>	24.69	
<i>For Work In Restricted Working Space, Add</i>	19.32	
<i>For Installation Above 14', Add</i>	9.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.32	
26 05 33 13-2482 EA 2-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	172.92	36.23
<i>For Mogul LB, Add</i>	57.24	
<i>For Work In Restricted Working Space, Add</i>	27.17	
<i>For Installation Above 14', Add</i>	13.58	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.17	
26 05 33 13-2483 EA 3" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	227.09	48.30
<i>For Mogul LB, Add</i>	73.72	
<i>For Work In Restricted Working Space, Add</i>	36.23	
<i>For Installation Above 14', Add</i>	18.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.23	
26 05 33 13-2484 EA 3-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	303.03	60.38
<i>For Mogul LB, Add</i>	106.52	
<i>For Work In Restricted Working Space, Add</i>	45.28	
<i>For Installation Above 14', Add</i>	22.64	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.28	
26 05 33 13-2485 EA 4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	395.15	73.52
<i>For Mogul LB, Add</i>	149.31	
<i>For Work In Restricted Working Space, Add</i>	55.14	
<i>For Installation Above 14', Add</i>	27.57	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.14	
<b>26 05 33 13-2486 Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover</b> <small>(26 05 33 13-2474)</small>		
26 05 33 13-2487 EA 1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	39.14	12.88
<i>For Mogul LB, Add</i>	3.60	
<i>For Work In Restricted Working Space, Add</i>	9.66	
<i>For Installation Above 14', Add</i>	4.83	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.66	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2488	EA		3/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	46.04	14.76
			For Mogul LB, Add	5.01	
			For Work In Restricted Working Space, Add	11.07	
			For Installation Above 14', Add	5.54	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.07	
26 05 33 13-2489	EA		1" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	56.37	17.17
			For Mogul LB, Add	7.93	
			For Work In Restricted Working Space, Add	12.88	
			For Installation Above 14', Add	6.44	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.88	
26 05 33 13-2490	EA		1-1/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	68.63	19.59
			For Mogul LB, Add	12.30	
			For Work In Restricted Working Space, Add	14.69	
			For Installation Above 14', Add	7.35	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.69	
26 05 33 13-2491	EA		1-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	79.78	21.46
			For Mogul LB, Add	16.90	
			For Work In Restricted Working Space, Add	16.10	
			For Installation Above 14', Add	8.05	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.10	
26 05 33 13-2492	EA		2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	108.19	25.76
			For Mogul LB, Add	29.62	
			For Work In Restricted Working Space, Add	19.32	
			For Installation Above 14', Add	9.66	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.32	
26 05 33 13-2493	EA		2-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	169.60	36.23
			For Mogul LB, Add	54.75	
			For Work In Restricted Working Space, Add	27.17	
			For Installation Above 14', Add	13.58	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.17	
26 05 33 13-2494	EA		3" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	215.93	48.30
			For Mogul LB, Add	65.35	
			For Work In Restricted Working Space, Add	36.23	
			For Installation Above 14', Add	18.11	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.23	
26 05 33 13-2495	EA		3-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	312.54	60.38
			For Mogul LB, Add	113.65	
			For Work In Restricted Working Space, Add	45.28	
			For Installation Above 14', Add	22.64	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.28	
26 05 33 13-2496	EA		4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	414.60	73.52
			For Mogul LB, Add	163.90	
			For Work In Restricted Working Space, Add	55.14	
			For Installation Above 14', Add	27.57	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.14	
26 05 33 13-2497			Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover <sup>33 13-2474</sup> (26 05)		
26 05 33 13-2498	EA		1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	45.10	14.76
			For Work In Restricted Working Space, Add	11.07	
			For Installation Above 14', Add	5.54	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.07	
26 05 33 13-2499	EA		3/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	53.49	17.17
			For Work In Restricted Working Space, Add	12.88	
			For Installation Above 14', Add	6.44	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.88	
26 05 33 13-2500	EA		1" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	61.90	18.78
			For Work In Restricted Working Space, Add	14.09	
			For Installation Above 14', Add	7.04	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.09	
26 05 33 13-2501	EA		1-1/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	76.32	21.46
			For Work In Restricted Working Space, Add	16.10	
			For Installation Above 14', Add	8.05	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.10	
26 05 33 13-2502	EA		1-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	88.47	23.61
			For Work In Restricted Working Space, Add	17.71	
			For Installation Above 14', Add	8.85	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.71	
26 05 33 13-2503	EA		2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	119.46	27.64
			For Work In Restricted Working Space, Add	20.73	
			For Installation Above 14', Add	10.37	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.73	
26 05 33 13-2504	EA		2-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	189.60	40.25
			For Work In Restricted Working Space, Add	30.19	
			For Installation Above 14', Add	15.09	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.19	
26 05 33 13-2505	EA		3" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	244.87	52.32
			For Work In Restricted Working Space, Add	39.24	
			For Installation Above 14', Add	19.62	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.24	
26 05 33 13-2506	EA		3-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	397.90	64.40
			For Work In Restricted Working Space, Add	48.30	
			For Installation Above 14', Add	24.15	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2507 EA 4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	454.71	77.55
For Work In Restricted Working Space, Add	58.16	
For Installation Above 14', Add	29.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.16	
<b>26 05 33 13-2508 Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover</b> <small>(26 05 33 13-2474)</small>		
26 05 33 13-2509 EA 1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	39.29	12.88
For Work In Restricted Working Space, Add	9.66	
For Installation Above 14', Add	4.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.66	
26 05 33 13-2510 EA 3/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	45.52	14.76
For Work In Restricted Working Space, Add	11.07	
For Installation Above 14', Add	5.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.07	
26 05 33 13-2511 EA 1" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	55.10	16.91
For Work In Restricted Working Space, Add	12.68	
For Installation Above 14', Add	6.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.68	
26 05 33 13-2512 EA 1-1/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	67.91	19.59
For Work In Restricted Working Space, Add	14.69	
For Installation Above 14', Add	7.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.69	
26 05 33 13-2513 EA 1-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	76.21	21.46
For Work In Restricted Working Space, Add	16.10	
For Installation Above 14', Add	8.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.10	
26 05 33 13-2514 EA 2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	101.67	25.76
For Work In Restricted Working Space, Add	19.32	
For Installation Above 14', Add	9.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.32	
26 05 33 13-2515 EA 2-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	166.81	36.23
For Work In Restricted Working Space, Add	27.17	
For Installation Above 14', Add	13.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.17	
26 05 33 13-2516 EA 3" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	214.15	48.30
For Work In Restricted Working Space, Add	36.23	
For Installation Above 14', Add	18.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.23	
26 05 33 13-2517 EA 3-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	306.82	60.38
For Work In Restricted Working Space, Add	45.28	
For Installation Above 14', Add	22.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.28	
26 05 33 13-2518 EA 4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	396.93	73.52
For Work In Restricted Working Space, Add	55.14	
For Installation Above 14', Add	27.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.14	
<b>26 05 33 13-2519 Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover</b> <small>(26 05 33 13-2474)</small>		
26 05 33 13-2520 EA 1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	52.33	16.91
For Work In Restricted Working Space, Add	12.68	
For Installation Above 14', Add	6.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.68	
26 05 33 13-2521 EA 3/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	60.58	18.78
For Work In Restricted Working Space, Add	14.09	
For Installation Above 14', Add	7.04	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.09	
26 05 33 13-2522 EA 1" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	74.69	20.66
For Work In Restricted Working Space, Add	15.50	
For Installation Above 14', Add	7.75	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.50	
26 05 33 13-2523 EA 1-1/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	86.16	23.61
For Work In Restricted Working Space, Add	17.71	
For Installation Above 14', Add	8.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.71	
26 05 33 13-2524 EA 1-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	111.91	25.76
For Work In Restricted Working Space, Add	19.32	
For Installation Above 14', Add	9.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.32	
26 05 33 13-2525 EA 2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	135.19	31.66
For Work In Restricted Working Space, Add	23.75	
For Installation Above 14', Add	11.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.75	
26 05 33 13-2526 EA 2-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	255.08	46.42
For Work In Restricted Working Space, Add	34.82	
For Installation Above 14', Add	17.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.82	
26 05 33 13-2527 EA 3" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	313.80	60.38
For Work In Restricted Working Space, Add	45.28	
For Installation Above 14', Add	22.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.28	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2528 EA 3-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	450.50	74.60
<i>For Work In Restricted Working Space, Add</i>	56.35	
<i>For Installation Above 14', Add</i>	28.18	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.35	
26 05 33 13-2529 EA 4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	544.49	89.62
<i>For Work In Restricted Working Space, Add</i>	67.22	
<i>For Installation Above 14', Add</i>	33.61	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.22	
<b>26 05 33 13-2530 Threaded, Malleable Iron Conduit Body (26 05 33 13-2473)</b>		
<b>26 05 33 13-2531 Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover (26 05 33 13-2530)</b>		
26 05 33 13-2532 EA 1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	40.49	12.88
<i>For Work In Restricted Working Space, Add</i>	9.66	
<i>For Installation Above 14', Add</i>	4.83	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.66	
26 05 33 13-2533 EA 3/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	47.07	14.76
<i>For Work In Restricted Working Space, Add</i>	11.07	
<i>For Installation Above 14', Add</i>	5.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.07	
26 05 33 13-2534 EA 1" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	58.08	17.17
<i>For Work In Restricted Working Space, Add</i>	12.88	
<i>For Installation Above 14', Add</i>	6.44	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.88	
26 05 33 13-2535 EA 1-1/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	76.15	19.59
<i>For Work In Restricted Working Space, Add</i>	14.69	
<i>For Installation Above 14', Add</i>	7.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.69	
26 05 33 13-2536 EA 1-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	87.01	21.46
<i>For Work In Restricted Working Space, Add</i>	16.10	
<i>For Installation Above 14', Add</i>	8.05	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.10	
26 05 33 13-2537 EA 2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	120.21	25.76
<i>For Work In Restricted Working Space, Add</i>	19.32	
<i>For Installation Above 14', Add</i>	9.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.32	
26 05 33 13-2538 EA 2-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	204.77	36.23
<i>For Work In Restricted Working Space, Add</i>	27.17	
<i>For Installation Above 14', Add</i>	13.58	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.17	
26 05 33 13-2539 EA 3" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	291.13	48.30
<i>For Work In Restricted Working Space, Add</i>	36.23	
<i>For Installation Above 14', Add</i>	18.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.23	
26 05 33 13-2540 EA 3-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	403.18	60.38
<i>For Work In Restricted Working Space, Add</i>	45.28	
<i>For Installation Above 14', Add</i>	22.64	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.28	
26 05 33 13-2541 EA 4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	482.08	73.52
<i>For Work In Restricted Working Space, Add</i>	55.14	
<i>For Installation Above 14', Add</i>	27.57	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.14	
<b>26 05 33 13-2542 Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover (26 05 33 13-2530)</b>		
26 05 33 13-2543 EA 1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	42.41	12.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.66	
26 05 33 13-2544 EA 3/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	47.63	14.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.07	
26 05 33 13-2545 EA 1" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	61.01	17.17
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.88	
26 05 33 13-2546 EA 1-1/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	78.12	19.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.69	
26 05 33 13-2547 EA 1-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	89.41	21.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.10	
26 05 33 13-2548 EA 2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	115.28	25.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.32	
26 05 33 13-2549 EA 2-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	177.39	36.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.17	
26 05 33 13-2550 EA 3" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	241.89	48.30
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.23	
26 05 33 13-2551 EA 3-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	432.18	60.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.28	
26 05 33 13-2552 EA 4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	503.47	73.52
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.14	
<b>26 05 33 13-2553 Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover (26 05 33 13-2530)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2554 EA 1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	50.59	14.76
<i>For Work In Restricted Working Space, Add</i>	11.07	
<i>For Installation Above 14', Add</i>	5.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.07	
26 05 33 13-2555 EA 3/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	59.62	17.17
<i>For Work In Restricted Working Space, Add</i>	13.08	
<i>For Installation Above 14', Add</i>	6.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.08	
26 05 33 13-2556 EA 1" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	71.17	18.78
<i>For Work In Restricted Working Space, Add</i>	14.09	
<i>For Installation Above 14', Add</i>	7.04	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.09	
26 05 33 13-2557 EA 1-1/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover .....	90.51	21.46
<i>For Work In Restricted Working Space, Add</i>	15.90	
<i>For Installation Above 14', Add</i>	7.95	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.90	
26 05 33 13-2558 EA 1-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover .....	104.11	23.61
<i>For Work In Restricted Working Space, Add</i>	17.71	
<i>For Installation Above 14', Add</i>	8.85	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.71	
26 05 33 13-2559 EA 2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	139.74	27.64
<i>For Work In Restricted Working Space, Add</i>	20.73	
<i>For Installation Above 14', Add</i>	10.37	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.73	
26 05 33 13-2560 EA 2-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover .....	174.72	40.25
<i>For Work In Restricted Working Space, Add</i>	30.19	
<i>For Installation Above 14', Add</i>	15.09	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.19	
26 05 33 13-2561 EA 3" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	253.95	52.32
<i>For Work In Restricted Working Space, Add</i>	39.24	
<i>For Installation Above 14', Add</i>	19.62	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.24	
26 05 33 13-2562 EA 3-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover .....	455.63	64.40
<i>For Work In Restricted Working Space, Add</i>	48.30	
<i>For Installation Above 14', Add</i>	24.15	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.30	
26 05 33 13-2563 EA 4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	525.78	77.55
<i>For Work In Restricted Working Space, Add</i>	58.36	
<i>For Installation Above 14', Add</i>	29.18	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.36	
<b>26 05 33 13-2564 Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover</b> <small>(26 05 33 13-2530)</small>		
26 05 33 13-2565 EA 1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	40.64	12.88
<i>For Work In Restricted Working Space, Add</i>	9.66	
<i>For Installation Above 14', Add</i>	4.83	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.66	
26 05 33 13-2566 EA 3/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	49.55	14.76
<i>For Work In Restricted Working Space, Add</i>	11.07	
<i>For Installation Above 14', Add</i>	5.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.07	
26 05 33 13-2567 EA 1" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	58.10	16.91
<i>For Work In Restricted Working Space, Add</i>	12.68	
<i>For Installation Above 14', Add</i>	6.34	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.68	
26 05 33 13-2568 EA 1-1/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	79.76	19.59
<i>For Work In Restricted Working Space, Add</i>	14.69	
<i>For Installation Above 14', Add</i>	7.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.69	
26 05 33 13-2569 EA 1-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	93.79	21.46
<i>For Work In Restricted Working Space, Add</i>	16.10	
<i>For Installation Above 14', Add</i>	8.05	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.10	
26 05 33 13-2570 EA 2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	122.13	25.76
<i>For Work In Restricted Working Space, Add</i>	19.32	
<i>For Installation Above 14', Add</i>	9.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.32	
26 05 33 13-2571 EA 2-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	269.04	67.96
<i>For Work In Restricted Working Space, Add</i>	50.94	
<i>For Installation Above 14', Add</i>	25.47	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.94	
26 05 33 13-2572 EA 3" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	262.57	48.30
<i>For Work In Restricted Working Space, Add</i>	36.23	
<i>For Installation Above 14', Add</i>	18.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.23	
26 05 33 13-2573 EA 3-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	432.18	60.38
<i>For Work In Restricted Working Space, Add</i>	45.28	
<i>For Installation Above 14', Add</i>	22.64	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.28	
26 05 33 13-2574 EA 4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	503.46	73.52
<i>For Work In Restricted Working Space, Add</i>	55.14	
<i>For Installation Above 14', Add</i>	27.57	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.14	



**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2575		<b>Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover</b> <small>(26 05 33)</small>		
		EA	1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	57.44	16.91
			<i>For Work In Restricted Working Space, Add</i>	12.68	
			<i>For Installation Above 14', Add</i>	6.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.68	
26 05 33	13-2577	EA	3/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	62.70	18.78
			<i>For Work In Restricted Working Space, Add</i>	14.09	
			<i>For Installation Above 14', Add</i>	7.04	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.09	
26 05 33	13-2578	EA	1" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	73.26	20.66
			<i>For Work In Restricted Working Space, Add</i>	15.50	
			<i>For Installation Above 14', Add</i>	7.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.50	
26 05 33	13-2579	EA	1-1/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover .....	87.56	23.61
			<i>For Work In Restricted Working Space, Add</i>	17.71	
			<i>For Installation Above 14', Add</i>	8.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.71	
26 05 33	13-2580	EA	1-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover .....	101.62	25.76
			<i>For Work In Restricted Working Space, Add</i>	19.32	
			<i>For Installation Above 14', Add</i>	9.66	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.32	
26 05 33	13-2581	EA	2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	143.96	31.66
			<i>For Work In Restricted Working Space, Add</i>	23.75	
			<i>For Installation Above 14', Add</i>	11.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.75	
26 05 33	13-2582	EA	2-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover .....	231.75	46.42
			<i>For Work In Restricted Working Space, Add</i>	34.82	
			<i>For Installation Above 14', Add</i>	17.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.82	
26 05 33	13-2583	EA	3" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	343.19	60.38
			<i>For Work In Restricted Working Space, Add</i>	45.28	
			<i>For Installation Above 14', Add</i>	22.64	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.28	
26 05 33	13-2584	EA	3-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover .....	518.95	74.60
			<i>For Work In Restricted Working Space, Add</i>	55.95	
			<i>For Installation Above 14', Add</i>	27.97	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.95	
26 05 33	13-2585	EA	4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	577.05	89.62
			<i>For Work In Restricted Working Space, Add</i>	67.22	
			<i>For Installation Above 14', Add</i>	33.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.22	
26 05 33	13-2586		<b>Set Screw, Cast Aluminum Conduit Body</b> <small>(26 05 33 13-2473)</small>		
26 05 33	13-2587		<b>Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover</b> <small>(26 05 33 13-2586)</small>		
		EA	1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	19.95	5.09
			<i>For Work In Restricted Working Space, Add</i>	3.83	
			<i>For Installation Above 14', Add</i>	1.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 05 33	13-2589	EA	3/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	25.42	6.71
			<i>For Work In Restricted Working Space, Add</i>	5.03	
			<i>For Installation Above 14', Add</i>	2.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	
26 05 33	13-2590	EA	1" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	34.77	8.31
			<i>For Work In Restricted Working Space, Add</i>	6.24	
			<i>For Installation Above 14', Add</i>	3.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.24	
26 05 33	13-2591	EA	1-1/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	45.36	10.20
			<i>For Work In Restricted Working Space, Add</i>	7.65	
			<i>For Installation Above 14', Add</i>	3.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.65	
26 05 33	13-2592	EA	1-1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	60.42	11.80
			<i>For Work In Restricted Working Space, Add</i>	8.86	
			<i>For Installation Above 14', Add</i>	4.43	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.86	
26 05 33	13-2593	EA	2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	81.10	13.42
			<i>For Work In Restricted Working Space, Add</i>	10.06	
			<i>For Installation Above 14', Add</i>	5.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.06	
26 05 33	13-2594		<b>Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover</b> <small>(26 05 33 13-2586)</small>		
		EA	1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	20.15	5.09
			<i>For Work In Restricted Working Space, Add</i>	3.83	
			<i>For Installation Above 14', Add</i>	1.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 05 33	13-2596	EA	3/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	26.18	6.71
			<i>For Work In Restricted Working Space, Add</i>	5.03	
			<i>For Installation Above 14', Add</i>	2.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2597 EA 1" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	32.12 6.24 3.12 6.24	8.31
26 05 33 13-2598 EA 1-1/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.13 7.65 3.82 7.65	10.20
26 05 33 13-2599 EA 1-1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.03 8.86 4.43 8.86	11.80
26 05 33 13-2600 EA 2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.72 10.06 5.03 10.06	13.42
<b>26 05 33 13-2601 Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover</b> <sup>(26 05 33 13-2596)</sup>		
26 05 33 13-2602 EA 1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.83 5.03 2.52 5.03	6.71
26 05 33 13-2603 EA 3/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.86 6.24 3.12 6.24	8.31
26 05 33 13-2604 EA 1" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.76 7.65 3.82 7.65	10.20
26 05 33 13-2605 EA 1-1/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.22 9.26 4.63 9.26	11.80
26 05 33 13-2606 EA 1-1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.01 10.87 5.43 10.87	13.42
26 05 33 13-2607 EA 2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100.96 12.48 6.24 12.48	15.02
<b>26 05 33 13-2608 Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover</b> <sup>(26 05 33 13-2596)</sup>		
26 05 33 13-2609 EA 1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.79 3.83 1.91 3.83	5.09
26 05 33 13-2610 EA 3/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.87 5.03 2.52 5.03	6.71
26 05 33 13-2611 EA 1" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.73 6.24 3.12 6.24	8.31
26 05 33 13-2612 EA 1-1/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.50 7.65 3.82 7.65	10.20
26 05 33 13-2613 EA 1-1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.79 8.86 4.43 8.86	11.80
26 05 33 13-2614 EA 2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.06 10.06 5.03 10.06	13.42
<b>26 05 33 13-2615 Aluminum Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways)</b> <sup>(26 05 33 13-2473)</sup>		
26 05 33 13-2616 EA 3/4" To 1-1/4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB120) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.39 11.03	14.69
26 05 33 13-2617 EA 1-1/2" To 2-1/2" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB250) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	346.34 20.39	27.17
26 05 33 13-2618 EA 3" To 4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB400) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	666.47 41.36	55.14
<b>26 05 33 13-2619 Replacement Covers And Gaskets For Conduit Body</b> <sup>(26 05 33 13-2473)</sup>		

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 33 13-2620 Replacement Stamped Aluminum Conduit Body Cover</b> <small>(26 05 33 13-2619)</small>		
26 05 33 13-2621 EA 1/2" Replacement Stamped Aluminum Conduit Body Cover .....	7.27	2.62
26 05 33 13-2622 EA 3/4" Replacement Stamped Aluminum Conduit Body Cover .....	8.94	3.05
26 05 33 13-2623 EA 1" Replacement Stamped Aluminum Conduit Body Cover .....	11.45	3.92
26 05 33 13-2624 EA 1-1/4" Replacement Stamped Aluminum Conduit Body Cover .....	13.93	4.79
26 05 33 13-2625 EA 1-1/2" Replacement Stamped Aluminum Conduit Body Cover .....	17.19	5.67
26 05 33 13-2626 EA 2" Replacement Stamped Aluminum Conduit Body Cover .....	20.47	6.54
26 05 33 13-2627 EA 2-1/2" Replacement Stamped Aluminum Conduit Body Cover .....	27.60	7.41
26 05 33 13-2628 EA 3" Replacement Stamped Aluminum Conduit Body Cover .....	35.20	10.46
26 05 33 13-2629 EA 3-1/2" Replacement Stamped Aluminum Conduit Body Cover .....	38.19	11.77
26 05 33 13-2630 EA 4" Replacement Stamped Aluminum Conduit Body Cover .....	48.13	14.82
<b>26 05 33 13-2631 Replacement Cast Steel Conduit Body Cover</b> <small>(26 05 33 13-2619)</small>		
26 05 33 13-2632 EA 1/2" Replacement Cast Steel Conduit Body Cover .....	8.65	2.62
26 05 33 13-2633 EA 3/4" Replacement Cast Steel Conduit Body Cover .....	10.14	3.05
26 05 33 13-2634 EA 1" Replacement Cast Steel Conduit Body Cover .....	14.41	3.92
26 05 33 13-2635 EA 1-1/4" Replacement Cast Steel Conduit Body Cover .....	17.95	4.79
26 05 33 13-2636 EA 1-1/2" Replacement Cast Steel Conduit Body Cover .....	21.87	5.67
26 05 33 13-2637 EA 2" Replacement Cast Steel Conduit Body Cover .....	25.82	6.54
26 05 33 13-2638 EA 2-1/2" Replacement Cast Steel Conduit Body Cover .....	29.72	7.41
26 05 33 13-2639 EA 3" Replacement Cast Steel Conduit Body Cover .....	40.22	10.46
26 05 33 13-2640 EA 3-1/2" Replacement Cast Steel Conduit Body Cover .....	46.10	11.77
26 05 33 13-2641 EA 4" Replacement Cast Steel Conduit Body Cover .....	58.14	14.82
<b>26 05 33 13-2642 Replacement Velbuna Composition Conduit Body Gasket</b> <small>(26 05 33 13-2619)</small>		
26 05 33 13-2643 EA 1/2" Replacement Velbuna Composition Conduit Body Gasket .....	6.65	2.62
26 05 33 13-2644 EA 3/4" Replacement Velbuna Composition Conduit Body Gasket .....	7.56	3.05
26 05 33 13-2645 EA 1" Replacement Velbuna Composition Conduit Body Gasket .....	9.90	3.92
26 05 33 13-2646 EA 1-1/4" Replacement Velbuna Composition Conduit Body Gasket .....	13.00	4.79
26 05 33 13-2647 EA 1-1/2" Replacement Velbuna Composition Conduit Body Gasket .....	14.73	5.67
26 05 33 13-2648 EA 2" Replacement Velbuna Composition Conduit Body Gasket .....	17.62	6.54
26 05 33 13-2649 EA 2-1/2" Replacement Velbuna Composition Conduit Body Gasket .....	23.70	7.41
26 05 33 13-2650 EA 3" Replacement Velbuna Composition Conduit Body Gasket .....	30.34	10.46
26 05 33 13-2651 EA 3-1/2" Replacement Velbuna Composition Conduit Body Gasket .....	33.58	11.77
26 05 33 13-2652 EA 4" Replacement Velbuna Composition Conduit Body Gasket .....	39.62	14.82
<b>26 05 33 13-2653 Replacement Neoprene Conduit Body Gasket</b> <small>(26 05 33 13-2619)</small>		
26 05 33 13-2654 EA 1/2" Replacement Neoprene Conduit Body Gasket .....	7.61	2.62
26 05 33 13-2655 EA 3/4" Replacement Neoprene Conduit Body Gasket .....	8.48	3.05
26 05 33 13-2656 EA 1" Replacement Neoprene Conduit Body Gasket .....	11.10	3.92
26 05 33 13-2657 EA 1-1/4" Replacement Neoprene Conduit Body Gasket .....	13.61	4.79
26 05 33 13-2658 EA 1-1/2" Replacement Neoprene Conduit Body Gasket .....	15.34	5.67
26 05 33 13-2659 EA 2" Replacement Neoprene Conduit Body Gasket .....	17.68	6.54
26 05 33 13-2660 EA 2-1/2" Replacement Neoprene Conduit Body Gasket .....	23.85	7.41
26 05 33 13-2661 EA 3" Replacement Neoprene Conduit Body Gasket .....	30.49	10.46
26 05 33 13-2662 EA 3-1/2" Replacement Neoprene Conduit Body Gasket .....	34.61	11.77
26 05 33 13-2663 EA 4" Replacement Neoprene Conduit Body Gasket .....	40.65	14.82
<b>26 05 33 16 Boxes For Electrical Systems</b> <small>(26 05 33)</small>		
See CSI section 26 27 16 00-0000 for larger junction boxes and enclosures.		
<b>26 05 33 16-0001 Steel Junction, Device, And Fixture Boxes, Rings And Covers</b> <small>(26 05 33 16)</small>		
Note: Thin wall metal. See CSI section 26 27 26 00-0003 for steel box/receptacle assemblies, 26 27 26 00-0136 for steel box/switch assemblies.		
<b>26 05 33 16-0002 4" Square Steel Boxes, Rings And Covers</b> <small>(26 05 33 16-0001)</small>		
26 05 33 16-0003 EA 1-1/2" Depth, 4" Square Steel Box .....	24.71	11.01
For Stud Bracket, Add .....	0.66	
26 05 33 16-0004 EA 2-1/8" Depth, 4" Square Steel Box .....	25.93	11.01
For Stud Bracket, Add .....	1.19	
26 05 33 16-0005 EA 3-1/2" Depth, 4" Square Steel Box .....	30.12	11.01
For Stud Bracket, Add .....	1.29	
26 05 33 16-0006 EA 1-1/2" Depth, 4" Square Steel Extension Ring .....	20.66	7.34
26 05 33 16-0007 EA 2-1/8" Depth, 4" Square Steel Extension Ring .....	16.41	7.34
26 05 33 16-0008 EA 1/2" Depth, 1 Gang, 4" Square Steel Mud Ring .....	8.62	3.67
26 05 33 16-0009 EA 5/8" Depth, 1 Gang, 4" Square Steel Mud Ring .....	8.82	3.67
26 05 33 16-0010 EA 3/4" Depth, 1 Gang, 4" Square Steel Mud Ring .....	8.96	3.67
26 05 33 16-0011 EA 1" Depth, 1 Gang, 4" Square Steel Mud Ring .....	9.41	3.67
26 05 33 16-0012 EA 1-1/4" Depth, 1 Gang, 4" Square Steel Mud Ring .....	9.54	3.67
26 05 33 16-0013 EA 1-1/2" Depth, 1 Gang, 4" Square Steel Mud Ring .....	10.99	3.67
26 05 33 16-0014 EA 1/2" Depth, 2 Gang, 4" Square Steel Mud Ring .....	9.17	3.67
26 05 33 16-0015 EA 5/8" Depth, 2 Gang, 4" Square Steel Mud Ring .....	9.31	3.67
26 05 33 16-0016 EA 3/4" Depth, 2 Gang, 4" Square Steel Mud Ring .....	9.48	3.67
26 05 33 16-0017 EA 1" Depth, 2 Gang, 4" Square Steel Mud Ring .....	10.97	3.67
26 05 33 16-0018 EA 1-1/4" Depth, 2 Gang, 4" Square Steel Mud Ring .....	11.27	3.67
26 05 33 16-0019 EA 1-1/2" Depth, 2 Gang, 4" Square Steel Mud Ring .....	13.16	3.67
26 05 33 16-0020 EA 3/4" Depth, Fixture Cover, 4" Square Mud Rings .....	9.89	3.67



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0021 EA 1" Depth, Fixture Cover, 4" Square Mud Rings.....	11.09	3.67
26 05 33 16-0022 EA One Toggle Switch, 4" Square Steel Exposed Work Cover.....	9.15	3.67
26 05 33 16-0023 EA Two Toggle Switches, 4" Square Steel Exposed Work Cover.....	9.26	3.67
26 05 33 16-0024 EA One Duplex Receptacle, 4" Square Steel Exposed Work Cover.....	9.12	3.67
26 05 33 16-0025 EA Two Duplex Receptacles, 4" Square Steel Exposed Work Cover.....	9.44	3.67
26 05 33 16-0026 EA One Toggle Switch And One Duplex Receptacle, 4" Square Steel Exposed Work Cover.....	9.71	3.67
26 05 33 16-0027 EA One Toggle Switch And One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	13.04	3.67
26 05 33 16-0028 EA One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	9.66	3.67
26 05 33 16-0029 EA Two 1.406" Diameter Receptacles, 4" Square Steel Exposed Work Cover.....	13.04	3.67
26 05 33 16-0030 EA One 1.620" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	9.66	3.67
26 05 33 16-0031 EA One 1.719" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	10.44	3.67
26 05 33 16-0032 EA One 2.165" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	13.04	3.67
26 05 33 16-0033 EA One 2.480" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	13.04	3.67
26 05 33 16-0034 EA Flat, 4" Square Steel Exposed Work Cover.....	8.20	3.67
<b>26 05 33 16-0035</b>	<b>4-11/16" Square Steel Boxes, Rings And Covers (26 05 33 16-0001)</b>	
26 05 33 16-0036 EA 1-1/2" Depth, 4-11/16" Square Steel Box.....	29.23	11.01
26 05 33 16-0037 EA 2-1/8" Depth, 4-11/16" Square Steel Box.....	26.46	11.01
<i>For Stud Bracket, Add</i>		<i>0.62</i>
26 05 33 16-0038 EA 3-1/4" Depth, 4-11/16" Square Steel Box.....	40.34	11.01
26 05 33 16-0039 EA 1-1/2" Depth, 4-11/16" Square Extension Ring.....	21.81	7.34
26 05 33 16-0040 EA 2-1/8" Depth, 4-11/16" Square Extension Ring.....	22.49	7.34
26 05 33 16-0041 EA 1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	11.38	3.67
26 05 33 16-0042 EA 5/8" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	11.42	3.67
26 05 33 16-0043 EA 3/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	12.60	3.67
26 05 33 16-0044 EA 1" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	12.12	3.67
26 05 33 16-0045 EA 1-1/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	12.02	3.67
26 05 33 16-0046 EA 1-1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	16.92	3.67
26 05 33 16-0047 EA 1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	12.32	3.67
26 05 33 16-0048 EA 5/8" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	12.58	3.67
26 05 33 16-0049 EA 3/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	12.60	3.67
26 05 33 16-0050 EA 1" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	14.33	3.67
26 05 33 16-0051 EA 1-1/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	14.69	3.67
26 05 33 16-0052 EA 1-1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	18.89	3.67
26 05 33 16-0053 EA 1/2" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring.....	12.09	3.67
26 05 33 16-0054 EA 5/8" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring.....	12.22	3.67
26 05 33 16-0055 EA One Toggle Switch, 4-11/16" Square Steel Exposed Work Cover.....	15.47	3.67
26 05 33 16-0056 EA Two Toggle Switches, 4-11/16" Square Steel Exposed Work Cover.....	16.38	3.67
26 05 33 16-0057 EA One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	15.20	3.67
26 05 33 16-0058 EA Two Duplex Receptacles, 4-11/16" Square Steel Exposed Work Cover.....	14.21	3.67
26 05 33 16-0059 EA One Toggle Switch And One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	17.53	3.67
26 05 33 16-0060 EA One 1.594" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	16.37	3.67
26 05 33 16-0061 EA One 2.141" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	16.37	3.67
26 05 33 16-0062 EA One 2.625" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	16.37	3.67
26 05 33 16-0063 EA Flat, 4-11/16" Square Steel Exposed Work Cover.....	8.94	3.67
<b>26 05 33 16-0064</b>	<b>Steel Square Box Brackets (26 05 33 16-0001)</b>	
26 05 33 16-0065 EA 16" Or 24" Width Box Bracket, For Multiple 1-1/2" And 2-1/8" Deep Boxes.....	12.27	5.51
26 05 33 16-0066 EA Single Box Bracket, One 4" Or 4-11/16" Square Box.....	9.26	3.68
26 05 33 16-0067 EA 16" Box Bracket, Up To Three 4" Or 4-11/16" Square Boxes.....	15.21	5.51
26 05 33 16-0068 EA 24" Box Bracket, Up To Four 4" Or 4-11/16" Square Boxes.....	16.72	5.51
<b>26 05 33 16-0069</b>	<b>4" Octagon Steel Boxes And Covers (26 05 33 16-0001)</b>	
26 05 33 16-0070 EA 1-1/2" Depth, 4" Steel Octagon Box.....	20.55	9.17
<i>For Stud Bracket, Add</i>		<i>1.60</i>
26 05 33 16-0071 EA 2-1/8" Depth, 4" Steel Octagon Box.....	21.62	9.17
26 05 33 16-0072 EA Flat, 4" Octagon Steel Exposed Work Cover.....	8.13	3.67
<b>26 05 33 16-0073</b>	<b>4" Steel Octagonal Concrete Rings And Steel Covers (26 05 33 16-0001)</b>	
<i>Note: Placed in concrete slabs or walls.</i>		
26 05 33 16-0074 EA 2" Depth, 4" Steel Octagonal Concrete Ring.....	34.18	3.67
26 05 33 16-0075 EA 2-1/2" Depth, 4" Steel Octagonal Concrete Ring.....	36.45	3.67
26 05 33 16-0076 EA 3" Depth, 4" Steel Octagonal Concrete Ring.....	38.11	3.67
26 05 33 16-0077 EA 3-1/2" Depth, 4" Steel Octagonal Concrete Ring.....	39.73	3.67
26 05 33 16-0078 EA 4" Depth, 4" Steel Octagonal Concrete Ring.....	44.13	3.67
26 05 33 16-0079 EA 5" Depth, 4" Steel Octagonal Concrete Ring.....	48.73	3.67
26 05 33 16-0080 EA 6" Depth, 4" Steel Octagonal Concrete Ring.....	52.16	3.67
26 05 33 16-0081 EA Flat, 4" Steel Octagonal Concrete Cover.....	9.60	3.67
<b>26 05 33 16-0082</b>	<b>4-1/2" Steel Gang Boxes (26 05 33 16-0001)</b>	
26 05 33 16-0083 EA 2 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	35.68	9.17
26 05 33 16-0084 EA 3 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	39.35	9.90
26 05 33 16-0085 EA 4 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	48.17	11.01
26 05 33 16-0086 EA 5 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	64.98	12.11
26 05 33 16-0087 EA 6 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	100.86	13.20

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0088	EA		2 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	52.18	9.17
26 05 33 16-0089	EA		3 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	56.93	9.90
26 05 33 16-0090	EA		4 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	77.86	11.01
26 05 33 16-0091	EA		5 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	101.90	12.11
26 05 33 16-0092	EA		6 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	173.85	13.20
26 05 33 16-0093	EA		2 Device, Gang Box Mud Ring.....	15.92	3.67
26 05 33 16-0094	EA		3 Device, Gang Box Mud Ring.....	16.20	3.67
26 05 33 16-0095	EA		4 Device, Gang Box Mud Ring.....	19.38	3.67
26 05 33 16-0096	EA		5 Device, Gang Box Mud Ring.....	24.84	3.67
26 05 33 16-0097	EA		6 Device, Gang Box Mud Ring.....	36.83	3.67
26 05 33 16-0098	EA		2 Device, Gang Box Flat Cover.....	13.19	3.67
26 05 33 16-0099	EA		3 Device, Gang Box Flat Cover.....	16.17	3.67
26 05 33 16-0100	EA		4 Device, Gang Box Flat Cover.....	20.12	3.67
26 05 33 16-0101	EA		5 Device, Gang Box Flat Cover.....	25.15	3.67
26 05 33 16-0102	EA		6 Device, Gang Box Flat Cover.....	37.68	3.67
<b>26 05 33 16-0103</b>			<b>Steel Switch Boxes</b> <small>(26 05 33 16-0001)</small>		
26 05 33 16-0104	EA		2-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box .....	22.61	9.17
26 05 33 16-0105	EA		2-3/4" Depth, 3" x 2", Stud Bracket, Steel Switch Box .....	23.07	9.17
26 05 33 16-0106	EA		3-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box .....	25.45	9.17
26 05 33 16-0107	EA		2-1/2" Depth, 2 Device, Stud Bracket, Steel Box .....	30.80	9.17
26 05 33 16-0108	EA		2-1/2" Depth, 3 Device, Stud Bracket, Steel Box .....	31.27	9.17
26 05 33 16-0109	EA		2-1/2" Depth, 4 Device, Stud Bracket, Steel Box .....	38.52	9.17
<b>26 05 33 16-0110</b>			<b>4" x 2" Steel Handy Boxes, Extension Rings And Covers</b> <small>(26 05 33 16-0001)</small>		
26 05 33 16-0111	EA		1-1/2" Deep, 4" x 2" Steel Handy Box .....	20.43	9.17
			<i>For Stud Bracket, Add</i>	2.58	
26 05 33 16-0112	EA		1-7/8" Deep, 4" x 2" Steel Handy Box .....	20.93	9.17
			<i>For Stud Bracket, Add</i>	1.11	
26 05 33 16-0113	EA		2-1/8" Deep, 4" x 2" Steel Handy Box .....	22.02	9.17
			<i>For Stud Bracket, Add</i>	1.51	
26 05 33 16-0114	EA		1-1/2" Deep, 4" x 2" Steel Handy Box Extension Ring .....	14.00	5.50
26 05 33 16-0115	EA		1-7/8" Deep, 4" x 2" Steel Handy Box Extension Ring .....	13.51	5.50
26 05 33 16-0116	EA		GFI Receptacle, 2" x 4" Steel Handy Box Exposed Work Cover .....	4.75	1.83
26 05 33 16-0117	EA		1.406" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover .....	4.84	1.83
26 05 33 16-0118	EA		Duplex Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover .....	4.38	1.83
26 05 33 16-0119	EA		Toggle Switch, 4" x 2" Steel Handy Box Exposed Work Cover .....	4.41	1.83
26 05 33 16-0120	EA		1.594" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover .....	5.35	1.83
26 05 33 16-0121	EA		Flat, 2" x 4" Steel Handy Box Exposed Work Cover .....	4.41	1.83
<b>26 05 33 16-0122</b>			<b>3"-1/2" Depth, 3-3/4" Steel Masonry Boxes</b> <small>(26 05 33 16-0001)</small>		
26 05 33 16-0123	EA		1 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box .....	31.48	12.84
26 05 33 16-0124	EA		2 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box .....	35.90	13.57
26 05 33 16-0125	EA		3 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box .....	41.91	14.68
26 05 33 16-0126	EA		4 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box .....	48.23	16.14
<b>26 05 33 16-0127</b>			<b>Cast Boxes</b> <small>(26 05 33 16)</small>		
			Note: For flush or surface mount.		
<b>26 05 33 16-0128</b>			<b>Cast Iron Alloy Boxes</b> <small>(26 05 33 16-0127)</small>		
			See CSI section 26 27 26 00-0279 for box covers.		
<b>26 05 33 16-0129</b>			<b>Shallow, Single Gang Cast Iron Alloy Boxes</b> <small>(26 05 33 16-0128)</small>		
			Note: Up to 2" deep boxes.		
26 05 33 16-0130	EA		1/2" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box .....	67.52	22.02
			Note: One hub.		
26 05 33 16-0131	EA		3/4" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box .....	71.78	25.68
			Note: One hub.		
26 05 33 16-0132	EA		1" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box .....	84.07	31.19
			Note: One hub.		
26 05 33 16-0133	EA		1/2" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box .....	83.49	29.35
			Note: Two hubs.		
26 05 33 16-0134	EA		3/4" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box .....	108.02	34.86
			Note: Two hubs.		
26 05 33 16-0135	EA		1/2" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box .....	83.09	29.35
			Note: Two hubs.		
26 05 33 16-0136	EA		3/4" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box .....	100.13	34.86
			Note: Two hubs.		
26 05 33 16-0137	EA		1/2" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box .....	85.62	29.35
			Note: Two hubs.		
26 05 33 16-0138	EA		3/4" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box .....	100.17	34.86
			Note: Two hubs.		
26 05 33 16-0139	EA		1/2" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box .....	83.09	29.35
			Note: Two hubs.		
26 05 33 16-0140	EA		3/4" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box .....	97.04	34.86
			Note: Two hubs.		
26 05 33 16-0141	EA		1/2" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box .....	98.18	36.69
			Note: Three hubs.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0142 EA 3/4" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	115.90	44.03
26 05 33 16-0143 EA 1/2" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	103.04	36.69
26 05 33 16-0144 EA 3/4" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	134.44	44.03
26 05 33 16-0145 EA 1/2" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	106.22	36.69
26 05 33 16-0146 EA 3/4" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	126.82	44.03
26 05 33 16-0147 EA 1/2" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	97.77	36.69
26 05 33 16-0148 EA 3/4" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	128.97	44.03
26 05 33 16-0149 EA 1/2" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box..... Note: Four hubs.	125.94	44.03
26 05 33 16-0150 EA 3/4" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box..... Note: Four hubs.	151.90	53.19
<b>26 05 33 16-0151 Deep, Single Gang Cast Iron Alloy Boxes</b> (26 05 33 16-0128) Note: >2" deep boxes.		
26 05 33 16-0152 EA 1/2" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box..... Note: One hub.	71.10	22.02
26 05 33 16-0153 EA 3/4" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box..... Note: One hub.	81.71	25.68
26 05 33 16-0154 EA 1" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box..... Note: One hub.	95.53	31.19
26 05 33 16-0155 EA 1/2" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	90.04	29.35
26 05 33 16-0156 EA 3/4" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	103.50	34.86
26 05 33 16-0157 EA 1" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	124.25	42.20
26 05 33 16-0158 EA 3/4" Depth, Type FDS, Deep, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	112.43	34.86
26 05 33 16-0159 EA 3/4" Depth, Type FDCC, Deep, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	145.02	44.03
<b>26 05 33 16-0160 Shallow, Two Gang Cast Iron Alloy Boxes</b> (26 05 33 16-0128) Note: Up to 2" deep boxes.		
26 05 33 16-0161 EA 1/2" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box..... Note: One hub.	82.44	23.85
26 05 33 16-0162 EA 3/4" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box..... Note: One hub.	90.84	27.52
26 05 33 16-0163 EA 1" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box..... Note: One hub.	105.03	33.02
26 05 33 16-0164 EA 1/2" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	98.84	31.19
26 05 33 16-0165 EA 3/4" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	111.69	36.69
<b>26 05 33 16-0166 Deep, Two Gang Cast Iron Alloy Boxes</b> (26 05 33 16-0128) Note: >2" deep boxes.		
26 05 33 16-0167 EA 1/2" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box..... Note: One hub.	93.19	23.85
26 05 33 16-0168 EA 3/4" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box..... Note: One hub.	100.95	27.52
26 05 33 16-0169 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	115.02	31.19
26 05 33 16-0170 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box..... Note: Two hubs.	128.78	36.69
<b>26 05 33 16-0171 Cast Aluminum Boxes</b> (26 05 33 16-0127) See CSI section 26 27 26 00-0279 for box covers.		
<b>26 05 33 16-0172 Shallow, Single Gang Cast Aluminum Boxes</b> (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0173 EA 1/2" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	60.18	18.35
26 05 33 16-0174 EA 3/4" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	68.45	22.02
26 05 33 16-0175 EA 1" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	74.66	27.52
26 05 33 16-0176 EA 1/2" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	56.00	18.35
26 05 33 16-0177 EA 3/4" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	71.39	22.02
26 05 33 16-0178 EA 1/2" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	75.25	25.68

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0179 EA 3/4" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	90.26	31.19
26 05 33 16-0180 EA 1" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	113.53	38.53
26 05 33 16-0181 EA 1/2" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	82.51	25.68
26 05 33 16-0182 EA 3/4" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	86.72	31.19
26 05 33 16-0183 EA 1/2" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	78.38	25.68
26 05 33 16-0184 EA 3/4" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	89.19	31.19
26 05 33 16-0185 EA 1/2" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	75.71	25.68
26 05 33 16-0186 EA 3/4" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	89.19	31.19
26 05 33 16-0187 EA 1/2" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	69.56	25.68
26 05 33 16-0188 EA 3/4" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	95.73	31.19
26 05 33 16-0189 EA 1/2" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box ..... Note: Three hubs.	88.48	33.02
26 05 33 16-0190 EA 3/4" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box ..... Note: Three hubs.	107.40	40.36
26 05 33 16-0191 EA 1/2" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box ..... Note: Three hubs.	94.86	33.02
26 05 33 16-0192 EA 3/4" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box ..... Note: Three hubs.	129.50	40.36
26 05 33 16-0193 EA 1/2" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box ..... Note: Three hubs.	94.33	33.02
26 05 33 16-0194 EA 3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box ..... Note: Three hubs.	115.80	40.36
26 05 33 16-0195 EA 3/4" Depth, Type FST, Shallow, Single Gang Cast Aluminum Box ..... Note: Three hubs.	117.70	40.36
26 05 33 16-0196 EA 1/2" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box ..... Note: Four hubs.	114.97	40.36
26 05 33 16-0197 EA 3/4" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box ..... Note: Four hubs.	140.22	49.53
<b>26 05 33 16-0198 Deep, Single Gang Cast Aluminum Boxes (26 05 33 16-0171)</b> Note: >2" deep boxes.		
26 05 33 16-0199 EA 1/2" Depth, Type FD, Deep, Single Gang Cast Aluminum Box ..... Note: One hub.	67.57	18.35
26 05 33 16-0200 EA 3/4" Depth, Type FD, Deep, Single Gang Cast Aluminum Box ..... Note: One hub.	80.94	22.02
26 05 33 16-0201 EA 1" Depth, Type FD, Deep, Single Gang Cast Aluminum Box ..... Note: One hub.	91.83	27.52
26 05 33 16-0202 EA 3/4" Depth, Type FDA, Deep, Single Gang Cast Aluminum Box ..... Note: One hub.	87.70	22.02
26 05 33 16-0203 EA 1/2" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box ..... Note: Two hubs.	84.82	25.68
26 05 33 16-0204 EA 3/4" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box ..... Note: Two hubs.	102.00	31.19
26 05 33 16-0205 EA 1" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box ..... Note: Two hubs.	112.43	38.53
26 05 33 16-0206 EA 3/4" Depth, Type FDS, Deep, Single Gang Cast Aluminum Box ..... Note: Two hubs.	103.57	31.19
26 05 33 16-0207 EA 3/4" Depth, Type FDCC, Deep, Single Gang Cast Aluminum Box ..... Note: Three hubs.	125.67	40.36
<b>26 05 33 16-0208 Shallow, Two Gang Cast Aluminum Boxes (26 05 33 16-0171)</b> Note: Up to 2" deep boxes.		
26 05 33 16-0209 EA 1/2" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box ..... Note: One hub.	81.61	20.18
26 05 33 16-0210 EA 3/4" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box ..... Note: One hub.	93.11	23.85
26 05 33 16-0211 EA 1" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box ..... Note: One hub.	98.29	29.35
26 05 33 16-0212 EA 1/2" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box ..... Note: Two hubs.	100.95	27.52
26 05 33 16-0213 EA 3/4" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box ..... Note: Two hubs.	100.71	33.02
26 05 33 16-0214 EA 1" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box ..... Note: Two hubs.	124.59	40.36
<b>26 05 33 16-0215 Deep, Two Gang Cast Aluminum Boxes (26 05 33 16-0171)</b> Note: >2" deep boxes.		
26 05 33 16-0216 EA 1/2" Depth, Type FD, Deep, Two Gang Cast Aluminum Box ..... Note: One hub.	81.52	20.18
26 05 33 16-0217 EA 3/4" Depth, Type FD, Deep, Two Gang Cast Aluminum Box ..... Note: One hub.	94.12	23.85



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0218 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box ..... Note: Two hubs.	103.26	27.52
26 05 33 16-0219 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box ..... Note: Two hubs.	116.18	33.02
26 05 33 16-0220 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box ..... Note: Two hubs.	103.26	27.52
26 05 33 16-0221 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box ..... Note: Two hubs.	116.18	33.02
<b>26 05 33 16-0222 Shallow, Three Gang Cast Aluminum Boxes</b> <small>(26 05 33 16-0171)</small> Note: Up to 2" deep boxes.		
26 05 33 16-0223 EA 1/2" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box ..... Note: Two hubs.	108.16	29.35
26 05 33 16-0224 EA 3/4" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box ..... Note: Two hubs.	120.49	34.86
<b>26 05 33 16-0225 Deep, Three Gang Cast Aluminum Boxes</b> <small>(26 05 33 16-0171)</small> Note: >2" deep boxes.		
26 05 33 16-0226 EA 3/4" Depth, Type FD, Deep, Three Gang Cast Aluminum Box ..... Note: One hub.	126.86	25.68
26 05 33 16-0227 EA 1" Depth, Type FD, Deep, Three Gang Cast Aluminum Box ..... Note: One hub.	140.24	31.19
<b>26 05 33 16-0228 Cast Aluminum Explosion Proof Outlet Bodies</b> <small>(26 05 33 16-0127)</small> Note: Class I, Div. 1 & 2; Class II, Div. 1 & 2; and Class III.		
26 05 33 16-0229 EA 1/2" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	130.00	29.35
26 05 33 16-0230 EA 3/4" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	162.70	33.02
26 05 33 16-0231 EA 1" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body .....	145.80	36.69
26 05 33 16-0232 EA 1/2" Depth, Type GRSSA, 13 Opening, Cast Aluminum Explosion Proof Outlet Body .....	143.84	33.02
26 05 33 16-0233 EA 3/4" Depth, 13 Hubs, Explosion Proof Conduit Outlet Box With Cover Cast Aluminum, Type GRSSA .....	177.05	36.69
<b>26 05 33 16-0234 Non Metallic (PVC) Boxes</b> <small>(26 05 33 16)</small> See CSI section 26 27 26 00-0279 for box covers.		
<b>26 05 33 16-0235 Shallow, Single Gang Non Metallic (PVC) Boxes</b> <small>(26 05 33 16-0234)</small>		
26 05 33 16-0236 EA 1/2" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box ..... Note: One hub.	37.52	15.41
26 05 33 16-0237 EA 3/4" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box ..... Note: One hub.	42.86	17.98
26 05 33 16-0238 EA 1" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box ..... Note: One hub.	48.81	21.83
26 05 33 16-0239 EA 1/2" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box ..... Note: Two hubs.	48.00	20.54
26 05 33 16-0240 EA 3/4" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box ..... Note: Two hubs.	56.39	24.40
26 05 33 16-0241 EA 1" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box ..... Note: Two hubs.	68.40	29.53
26 05 33 16-0242 EA 1/2" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box ..... Note: Two hubs.	48.17	20.54
26 05 33 16-0243 EA 3/4" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box ..... Note: Two hubs.	55.91	24.40
26 05 33 16-0244 EA 1" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box ..... Note: Two hubs.	66.78	29.53
26 05 33 16-0245 EA 1/2" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	60.84	25.68
26 05 33 16-0246 EA 3/4" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	69.24	30.82
26 05 33 16-0247 EA 1" Depth, Type FSCC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	81.53	37.23
<b>26 05 33 16-0248 Deep, Single Gang Non Metallic (PVC) Boxes</b> <small>(26 05 33 16-0234)</small>		
26 05 33 16-0249 EA No Hub, Type FD, Deep, Single Gang Non Metallic (PVC) Box ..... Note: No hubs.	38.04	15.41
26 05 33 16-0250 EA 1/2" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box ..... Note: One hub.	37.13	15.41
26 05 33 16-0251 EA 3/4" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box ..... Note: One hub.	44.10	17.98
26 05 33 16-0252 EA 1" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box ..... Note: One hub.	49.32	21.83
26 05 33 16-0253 EA 1/2" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box ..... Note: Two hubs.	49.02	20.54
26 05 33 16-0254 EA 3/4" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box ..... Note: Two hubs.	55.04	24.40
26 05 33 16-0255 EA 1" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box ..... Note: Two hubs.	65.78	29.53
<b>26 05 33 16-0256 Shallow, Two Gang Non Metallic (PVC) Boxes</b> <small>(26 05 33 16-0234)</small>		



**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0257 EA 1/2" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	40.35	16.69
26 05 33 16-0258 EA 3/4" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	46.23	19.26
26 05 33 16-0259 EA 1" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box..... Note: One hub.	51.47	23.12
26 05 33 16-0260 EA 1/2" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box ..... Note: Two hubs.	49.43	21.83
26 05 33 16-0261 EA 3/4" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box ..... Note: Two hubs.	61.18	25.68
26 05 33 16-0262 EA 1" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box ..... Note: Two hubs.	72.38	30.82
26 05 33 16-0263 EA 1/2" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	50.64	21.83
26 05 33 16-0264 EA 3/4" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	64.54	25.68
26 05 33 16-0265 EA 1" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Two hubs.	69.68	30.82
26 05 33 16-0266 EA 1/2" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Three hubs.	61.91	26.97
26 05 33 16-0267 EA 3/4" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Three hubs.	81.61	32.10
26 05 33 16-0268 EA 1" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box..... Note: Three hubs.	84.01	38.53
<b>26 05 33 16-0269 Poke Thru Units</b> <small>(26 05 33 16)</small>		
<b>26 05 33 16-0270 Surface Poke Thru Units</b> <small>(26 05 33 16-0269)</small> Note: Excludes concrete drilling.		
26 05 33 16-0271 EA Single 20 Amp Duplex Receptacle RC3 Power And Communications Poke Thru Unit..... Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC3ATCAL.	411.94	27.52
26 05 33 16-0272 EA Retrofit Kit Upgrades Existing RC3 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements ..... Note: Includes 20 Amp duplex receptacle. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Wiremold RC3KTCAL.	262.64	
26 05 33 16-0273 EA Replacement 20 Amp Duplex Receptacle For RC3 Series Power And Communications Poke Thru Unit ..... Note: Wiremold RC37REC.	33.38	7.34
26 05 33 16-0274 EA Abandonment Plate For RC3 Series Power And Communications Poke Thru Unit..... Note: Wiremold RC3APTCBK.	43.68	3.67
26 05 33 16-0275 EA Four 20 Amp Receptacles RC4 Power And Communications Poke Thru Unit ..... Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4ATCAL.	467.04	29.35
26 05 33 16-0276 EA Retrofit Kit Upgrades Existing RC4 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements ..... Note: Includes two 20 Amp duplex receptacles. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4KTCAL.	245.16	
26 05 33 16-0277 EA Replacement Two 20 Amp Duplex Receptacles For RC4 Series Power And Communications Poke Thru Unit ..... Note: Wiremold RC4REC2.	58.22	11.01
26 05 33 16-0278 EA Abandonment Plate For RC4 Series Power And Communications Poke Thru Unit..... Note: Wiremold RC4APTCBK.	43.68	3.67
26 05 33 16-0279 EA Abandonment Plug For RC4 Series Power And Communications Poke Thru Unit..... Note: Wiremold ABPLUG4.	129.45	7.34
26 05 33 16-0280 EA Four Jack RC9AMD Communications Poke Thru Unit..... Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept four Ortronics TracJack inserts and two Ortronics Series II inserts. Excludes communication jacks. Wiremold RC9AMDTCAL.	367.99	25.68
26 05 33 16-0281 EA Abandonment Plate For RC9 Series Communications Poke Thru Unit ..... Note: Wiremold RC9APTCBK.	29.63	3.67
26 05 33 16-0282 EA Eight Jack AMD8 Communications Poke Thru Unit ..... Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept eight Ortronics TracJack inserts and four Ortronics Series II inserts. Excludes communication jacks. Wiremold AMD8ATCAL.	366.21	25.68
26 05 33 16-0283 EA Communication Conduit Adapter For Poke Thru Units ..... Note: Includes two conduit connections for communication systems. Wiremold COM75.	42.14	3.67
<b>26 05 33 16-0284 Recessed Poke Thru Units</b> <small>(26 05 33 16-0269)</small> Note: Excludes concrete drilling.		
<b>26 05 33 16-0285 Evolution 6AT Poke Thru Units</b> <small>(26 05 33 16-0284)</small> Note: Excludes concrete drilling.		
26 05 33 16-0286 EA Recessed Prewired Assembly With Surface Style Cover (Wiremold 6ATCP) ..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	595.00	29.35
26 05 33 16-0287 EA Recessed Prewired Assembly With Flush Style Cover (Wiremold 6ATP)..... Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	595.08	29.35
26 05 33 16-0288 EA Recessed Assembly With Surface Style Cover (Wiremold 6ATC)..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	566.71	29.35



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0289 EA Recessed Assembly With Flush Style Cover (Wiremold 6AT)..... Note: For tile, wood or laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	566.71	29.35
26 05 33 16-0290 EA Recessed Prewired Audio/Video Assembly With Surface Style Cover (Wiremold 6ATCPA)..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	595.00	29.35
26 05 33 16-0291 EA Recessed Prewired Audio/Video Assembly With Flush Style Cover (Wiremold 6ATPA)..... Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	595.00	29.35
26 05 33 16-0292 EA Recessed Furniture Feed Assembly With Surface Style Cover (Wiremold 6ATCFF)..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Die-cast aluminum cover assembly provides one (1) 3/4" trade size screw plug opening and one (1) concentric 2"-1 1/4" trade size screw plug opening and is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	542.76	29.35
26 05 33 16-0293 EA Recessed Assembly With Disposable Plate (Wiremold 6STC)..... Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. No device plates are included. For use with the following cover assemblies (purchased separately): 6CTC, 6CT, and 6CFFTC Series.	337.71	27.52
26 05 33 16-0294 EA Recessed Prewired Audio/Video Assembly With Disposable Plate (Wiremold 6STCPAV)..... Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies(purchased separately): 6CTC and 6CT Series.	362.73	27.52
26 05 33 16-0295 EA Recessed Prewired Assembly With Disposable Plate (Wiremold 6STCP)..... Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.	365.21	27.52
26 05 33 16-0296 EA 6" Pre-Pour Poke-Thru Sleeve (Wiremold 6PPS)..... Note: Nonmetallic sleeve attaches to structural decking and maintains 6"-6 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	101.57	14.68
26 05 33 16-0297 EA Surface Style Cover Assembly (Wiremold 6CTC)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CTC Series cover assemblies designed for use with 6STC, 6STCP, and 6STCPAV Poke-Thru Stem Assemblies.	241.09	7.34
26 05 33 16-0298 EA Flush Style Cover Assembly (Wiremold 6CT)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CT Series cover assemblies designed for use with 6STC, 6STCP and 6STCPAV Poke-Thru Stem Assemblies. Includes one (1) 6TS Tile Shim.	241.09	7.34
26 05 33 16-0299 EA Furniture Feed Cover Assembly (Wiremold 6CFFTC)..... Note: Surface style, die-cast aluminum cover assembly, with one (1) 3/4" trade size screw plug opening, and one (1) concentric 2"-1 1/4" trade size screw plug opening. Cover assembly is available in finishes: black (BK), gray(GY), nickel (NK), brass (BS), and bronze (BZ). 6CFFTC Series Cover Assemblies designed for use with 6STC Poke- Thru Stem Assembly. Includes one (1) 3/4" and one (1) 2" trade size conduit fittings and one (1) divider to separate services.	200.06	7.34
26 05 33 16-0300 EA Tile Shim (Wiremold 6TS)..... Note: Used for floor coverings greater than 5/16" The 6TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" of adjustment.	28.72	1.83
26 05 33 16-0301 EA Device Mounting Plate (Wiremold 6AAP)..... Note: Device plate that will accept up to two (2) Extron® Electronics AAP style plates. For use in the center compartment only. Devices supplied by others.	13.29	3.67
26 05 33 16-0302 EA Device Mounting Plate (Wiremold 6ACT8A)..... Note: Device plate that will accept up to eight (8) ports of communication devices. For use in the center compartment only. Devices supplied by others.	15.51	3.67
26 05 33 16-0303 EA Device Mounting Plate (Wiremold 6B)..... Note: Device plate used to blank off center compartment, when no devices are used.	13.23	3.67
26 05 33 16-0304 EA Device Mounting Plate (Wiremold 6DEC)..... Note: Device plate that will accept Decorator style devices such as 20A receptacles, GFCl, 106 adapters or A/V devices. For use in the center compartment only. Devices supplied by others.	13.27	3.67
26 05 33 16-0305 EA Device Mounting Plate (Wiremold 6DP)..... Note: Device plate that will accept standard 20A duplex receptacle or duplex Turnlok receptacle. For use in the center compartment only. Devices supplied by others.	13.17	3.67
26 05 33 16-0306 EA Device Mounting Plate (Wiremold 6MAAP)..... Note: Device plate that will accept up to six (6) Extron® Electronics MAAP style plates. For use in the center compartment only. Devices supplied by others.	15.75	3.67
26 05 33 16-0307 EA Device Mounting Plate (Wiremold 6MAAP2A)..... Note: Combination device plate that will accept up to three (3) Extron® Electronics MAAP style plates, and up to two (2) ports of communication devices. For use in the center compartment only. Devices supplied by others.	15.57	3.67
26 05 33 16-0308 EA Mosaic Mounting Plate (Wiremold 6MOS)..... Note: Device plate will accept two (2) standard [45mm x 45mm] or one (1) standard [45mm x 90mm] Mosaic style device(s). Devices supplied by others.	15.97	3.67
26 05 33 16-0309 EA Device Mounting Plate (Wiremold 6S1)..... Note: Receptacle opening 1 3/8". For 6" poke-thru units only.	12.96	3.67
26 05 33 16-0310 EA Device Mounting Plate (Wiremold 6S2)..... Note: Receptacle opening 1 9/16". For 6" poke-thru units only.	12.97	3.67
26 05 33 16-0311 EA Device Mounting Plate (Wiremold 6SER)..... Note: Device plate that will accept up to four (4) Ortronics® Series II dual modular inserts. For use in the center compartment only. Devices supplied by others.	12.78	3.67
26 05 33 16-0312 EA Device Mounting Plate (Wiremold 6TRAC)..... Note: Device plate that will accept up to eight (8) Ortronics® TracJack devices. For use in the center compartment only. Devices supplied by others.	12.78	3.67

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0313	EA		20AMP Duplex Receptacles (Wiremold 68REC) ..... Note: Two (2) proprietary 20AMP duplex power receptacles with mounting plates. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated ground device.	31.73	5.50
26 05 33 16-0314	EA		Device Mounting Plate (Wiremold 68B) ..... Note: Blank plate. Used to blank off either of the side compartments when no devices or cabling are to be used.	11.61	3.67
26 05 33 16-0315	EA		Device Mounting Plate (Wiremold 68MAAP) ..... Note: Device plate that will accept up to two (2) Extron® Electronics MAAP device plates. For use in either of the two side compartments only. Not for use in the center compartment. Extron Devices supplied by others.	11.93	3.67
26 05 33 16-0316	EA		20AMP Duplex Receptacles (Wiremold 68REC-25) ..... Note: Two (2) proprietary 20AMP duplex power receptacles with mounting plates and 25' leads. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated	102.84	6.61
26 05 33 16-0317	EA		Device Mounting Plate (Wiremold 682A) ..... Note: Device plate that will accept up to two (2) ports of communication devices. For use in either of the two side compartments only. Not for use in the center compartment. Communication devices supplied by others.	15.36	3.67
26 05 33 16-0318	EA		Bottom Housing Assembly (Wiremold 5P7HA) ..... Note: Half-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on side compartments only.	16.06	3.67
26 05 33 16-0319	EA		Bottom Housing Assembly (Wiremold 5BLH) ..... Note: Half-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on side compartments only. Includes tunnels for 6" and 8" poke-thru devices.	16.55	3.67
26 05 33 16-0320	EA		Bottom Housing Assembly (Wiremold 152CHA) ..... Note: One and a half-gang 2" trade size conduit housing assembly. Recommended for use with furniture feed devices (6ATCFF). Covers the center compartment and one of the side compartments.	24.93	7.34
26 05 33 16-0321	EA		Bottom Housing Assembly (Wiremold 575CHA) ..... Note: Half-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on side compartments only.	28.34	9.17
26 05 33 16-0322	EA		Bottom Housing Assembly (Wiremold 175CHA) ..... Note: One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections.	31.53	9.17
26 05 33 16-0323	EA		Bottom Housing Assembly (Wiremold 1125CHA) ..... Note: One-gang 1 1/4" trade size conduit housing assembly.	23.85	7.34
26 05 33 16-0324	EA		Bottom Housing Assembly (Wiremold 1P7HA) ..... Note: One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required.	15.94	3.67
26 05 33 16-0325	EA		Bottom Housing Assembly (Wiremold 1BLH) ..... Note: One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required.	15.94	3.67
26 05 33 16-0326	EA		Bottom Housing Assembly (Wiremold 15FFHA) ..... Note: One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units.	16.85	3.67
26 05 33 16-0327	EA		Bottom Housing Assembly (Wiremold 1BHA) ..... Note: One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1P7HA, and 1BLH plates.	17.47	3.67
26 05 33 16-0328			<b>Evolution 8AT Poke Thru Units</b> (26 05 33 16-0284) Note: Excludes concrete drilling.		
26 05 33 16-0329	EA		Recessed Prewired Assembly With Surface Style Cover (Wiremold 8ATCP) ..... Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	783.18	29.35
26 05 33 16-0330	EA		Recessed Prewired Assembly With Flush Style Cover (Wiremold 8ATP) ..... Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	745.00	29.35
26 05 33 16-0331	EA		Recessed Assembly With Surface Style Cover (Wiremold 8ATC) ..... Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	737.82	29.35
26 05 33 16-0332	EA		Recessed Assembly With Flush Style Cover (Wiremold 8AT) ..... Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	731.01	29.35
26 05 33 16-0333	EA		Recessed Assembly With Disposable Plate (Wiremold 8STC) ..... Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	438.72	27.52
26 05 33 16-0334	EA		Recessed Prewired Assembly With Disposable Plate (Wiremold 8STCP) ..... Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	492.50	27.52
26 05 33 16-0335	EA		8" Pre-Pour Poke-Thru Sleeve (Wiremold 8PPS) ..... Note: Nonmetallic sleeve attaches to structural decking and maintains 8"-8 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	122.56	14.68
26 05 33 16-0336	EA		Surface Style Cover Assembly (Wiremold 8CTC) ..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies.	260.90	7.34
26 05 33 16-0337	EA		Flush Style Cover Assembly (Wiremold 8CT) ..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. Includes one (1) 8TS Tile Shim.	260.90	7.34



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0338 EA Tile Shim (Wiremold 8TS)..... Note: Used for floor coverings greater than 5/16". The 8TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" [9.5mm] of adjustment.	45.05	1.83
26 05 33 16-0339 EA Device Mounting Plate (Wiremold 8B)..... Note: Singlegang device plate used to blank off any one (1) of the three (3) gangs in the center compartment, when no devices are used.	13.77	3.67
26 05 33 16-0340 EA Device Mounting Plate (Wiremold 8DP)..... Note: Singlegang device plate that accepts standard 20A duplex receptacle or a duplex Turnlok receptacle. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	13.85	3.67
26 05 33 16-0341 EA Device Mounting Plate (Wiremold 8DEC)..... Note: Singlegang device plate that will accept Decorator style devices such as 20A receptacles, GGCI's, 106 adapters or A/V devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	13.95	3.67
26 05 33 16-0342 EA Device Mounting Plate (Wiremold 8ACT6A)..... Note: Singlegang device plate that will accept up to six (6) ports of communication devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	16.33	3.67
26 05 33 16-0343 EA Mosaic Mounting Plate (Wiremold 8MOS)..... Note: Device plate accepts three (3) standard Mosaic devices. Devices supplied by others.	20.01	3.67
26 05 33 16-0344 EA Crestron Double Gang Plate (Wiremold 8CREST)..... Note: Device plate accepts Crestron double-gang decorator style devices.	19.97	3.67
26 05 33 16-0345 EA Device Mounting Plate (Wiremold 8S1)..... Note: Receptacle opening 1 3/8". For 8" poke-thru units only.	13.32	3.67
26 05 33 16-0346 EA Device Mounting Plate (Wiremold 8S2)..... Note: Receptacle opening 1 9/16". For 8" poke-thru units only.	13.50	3.67
26 05 33 16-0347 EA Device Mounting Plate (Wiremold 8TRAC)..... Note: Singlegang device plate that will accept up to six (6) Ortronics TraeJack devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	13.32	3.67
26 05 33 16-0348 EA Device Mounting Plate (Wiremold 8SER)..... Note: Singlegang device plate that will accept up to three (3) Ortronics Series II dual modular inserts. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	13.32	3.67
26 05 33 16-0349 EA Device Mounting Plate (Wiremold 8MAAP)..... Note: Singlegang device plate that will accept up to four (4) Extron® Electronics MAAP style plates. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	19.68	3.67
26 05 33 16-0350 EA Device Mounting Plate (Wiremold 8AAP)..... Note: Twogang device plate that will accept up to four (4) Extron® Electronics AAP style plates. 8AAP takes up 2 of the 3 gangs in the center compartment. Devices supplied by others.	16.23	3.67
26 05 33 16-0351 EA 8" Divider (Wiremold 8DIV)..... Note: Divider allows for separation of services when required.	18.87	3.67
26 05 33 16-0352 EA Bottom Housing Assembly (Wiremold 22CHA)..... Note: Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units.	24.93	7.34
<b>26 05 33 23 Surface Raceways For Electrical Systems (26 05 33)</b>		
26 05 33 23-0001 Raceways (26 05 33 23)		
26 05 33 23-0002 Wireway With Screw Cover (26 05 33 23-0001) Note: Also known as wire trough. Galvanized steel construction. Mounted exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.		
26 05 33 23-0003 2-1/2" x 2-1/2", Wireway With Screw Cover (26 05 33 23-0002)		
26 05 33 23-0004 LF 2-1/2" x 2-1/2", NEMA 1, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	19.11 0.62 0.34	3.35
26 05 33 23-0005 EA 2-1/2" x 2-1/2", End Plate For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	14.56 0.23	5.03
26 05 33 23-0006 EA 2-1/2" x 2-1/2", Coupling For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	17.05 0.23	6.27
26 05 33 23-0007 EA 2-1/2" x 2-1/2", Panel Adapter For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	36.67 0.66	11.74
26 05 33 23-0008 EA 2-1/2" x 2-1/2", Elbow For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	62.93 1.97	11.74
26 05 33 23-0009 EA 2-1/2" x 2-1/2", Tee For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	93.61 3.01	16.71
26 05 33 23-0010 EA 2-1/2" x 2-1/2", Cross For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	105.23 3.42	18.44
26 05 33 23-0011 4" x 4", Wireway With Screw Cover (26 05 33 23-0002)		
26 05 33 23-0012 LF 4" x 4", NEMA 1, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	23.35 0.75 0.42	4.22
26 05 33 23-0013 LF 4" x 4", NEMA 3R, Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	43.73 1.77 0.42	4.22
26 05 33 23-0014 EA 4" x 4", End Plate For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	12.07 0.23	3.69
26 05 33 23-0015 EA 4" x 4", Coupling For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	18.78 0.23	7.04
26 05 33 23-0016 EA 4" x 4", Panel Adapter For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	43.03 0.71	14.35
26 05 33 23-0017 EA 4" x 4", Elbow For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	71.90 2.16	14.35

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0018	EA		4" x 4", Tee For Surface Mounted Wireway With Screw Cover.....	102.74	18.65
			<i>For Combination Hinged Screw Cover, Add</i>	3.27	
26 05 33 23-0019	EA		4" x 4", Cross For Surface Mounted Wireway With Screw Cover .....	118.57	21.80
			<i>For Combination Hinged Screw Cover, Add</i>	3.75	
<b>26 05 33 23-0020</b>			<b>6" x 6", Wireway With Screw Cover</b> <small>(26 05 33 23-0002)</small>		
26 05 33 23-0021	LF		6" x 6", NEMA 1, Surface Mounted Wireway With Screw Cover.....	35.57	5.03
			<i>For Combination Hinged Screw Cover, Add</i>	1.27	
			<i>For Concrete Or Masonry Surface, Add</i>	0.50	
26 05 33 23-0022	LF		6" x 6", NEMA 3R, Surface Mounted Wireway With Screw Cover .....	71.30	5.03
			<i>For Combination Hinged Screw Cover, Add</i>	3.06	
			<i>For Concrete Or Masonry Surface, Add</i>	0.50	
26 05 33 23-0023	EA		6" x 6", End Plate For Surface Mounted Wireway With Screw Cover .....	15.60	4.02
			<i>For Combination Hinged Screw Cover, Add</i>	0.38	
26 05 33 23-0024	EA		6" x 6", Coupling For Surface Mounted Wireway With Screw Cover.....	24.32	8.38
			<i>For Combination Hinged Screw Cover, Add</i>	0.38	
26 05 33 23-0025	EA		6" x 6", Panel Adapter For Surface Mounted Wireway With Screw Cover .....	62.69	16.71
			<i>For Combination Hinged Screw Cover, Add</i>	1.47	
26 05 33 23-0026	EA		6" x 6", Elbow For Surface Mounted Wireway With Screw Cover .....	93.18	16.71
			<i>For Combination Hinged Screw Cover, Add</i>	2.99	
26 05 33 23-0027	EA		6" x 6", Tee For Surface Mounted Wireway With Screw Cover.....	149.21	20.86
			<i>For Combination Hinged Screw Cover, Add</i>	5.38	
26 05 33 23-0028	EA		6" x 6", Cross For Surface Mounted Wireway With Screw Cover .....	160.91	24.15
			<i>For Combination Hinged Screw Cover, Add</i>	5.63	
<b>26 05 33 23-0029</b>			<b>8" x 8", Wireway With Screw Cover</b> <small>(26 05 33 23-0002)</small>		
26 05 33 23-0030	LF		8" x 8", NEMA 1, Surface Mounted Wireway With Screw Cover.....	58.76	5.50
			<i>For Combination Hinged Screw Cover, Add</i>	2.39	
			<i>For Concrete Or Masonry Surface, Add</i>	0.55	
26 05 33 23-0031	LF		8" x 8", NEMA 3R, Surface Mounted Wireway With Screw Cover .....	109.64	5.50
			<i>For Combination Hinged Screw Cover, Add</i>	4.93	
			<i>For Concrete Or Masonry Surface, Add</i>	0.55	
26 05 33 23-0032	EA		8" x 8", End Plate For Surface Mounted Wireway With Screw Cover .....	17.22	4.36
			<i>For Combination Hinged Screw Cover, Add</i>	0.42	
26 05 33 23-0033	EA		8" x 8", Coupling For Surface Mounted Wireway With Screw Cover.....	26.60	9.06
			<i>For Combination Hinged Screw Cover, Add</i>	0.42	
26 05 33 23-0034	EA		8" x 8", Panel Adapter For Surface Mounted Wireway With Screw Cover .....	70.07	18.38
			<i>For Combination Hinged Screw Cover, Add</i>	1.67	
26 05 33 23-0035	EA		8" x 8", Elbow For Surface Mounted Wireway With Screw Cover .....	119.60	18.38
			<i>For Combination Hinged Screw Cover, Add</i>	4.14	
26 05 33 23-0036	EA		8" x 8", Tee For Surface Mounted Wireway With Screw Cover.....	180.68	22.68
			<i>For Combination Hinged Screw Cover, Add</i>	6.77	
26 05 33 23-0037	EA		8" x 8", Cross For Surface Mounted Wireway With Screw Cover .....	254.38	27.50
			<i>For Combination Hinged Screw Cover, Add</i>	9.97	
<b>26 05 33 23-0038</b>			<b>10" x 10", Wireway With Screw Cover</b> <small>(26 05 33 23-0002)</small>		
26 05 33 23-0039	LF		10" x 10", NEMA 1, Surface Mounted Wireway With Screw Cover.....	86.15	6.37
			<i>For Combination Hinged Screw Cover, Add</i>	3.67	
			<i>For Concrete Or Masonry Surface, Add</i>	0.64	
26 05 33 23-0040	LF		10" x 10", NEMA 3R, Surface Mounted Wireway With Screw Cover .....	155.00	6.37
			<i>For Combination Hinged Screw Cover, Add</i>	7.11	
			<i>For Concrete Or Masonry Surface, Add</i>	0.64	
26 05 33 23-0041	EA		10" x 10", End Plate For Surface Mounted Wireway With Screw Cover .....	24.65	5.03
			<i>For Combination Hinged Screw Cover, Add</i>	0.73	
26 05 33 23-0042	EA		10" x 10", Coupling For Surface Mounted Wireway With Screw Cover.....	34.72	10.06
			<i>For Combination Hinged Screw Cover, Add</i>	0.73	
26 05 33 23-0043	EA		10" x 10", Panel Adapter For Surface Mounted Wireway With Screw Cover .....	95.80	19.99
			<i>For Combination Hinged Screw Cover, Add</i>	2.79	
26 05 33 23-0044	EA		10" x 10", Elbow For Surface Mounted Wireway With Screw Cover .....	194.05	19.99
			<i>For Combination Hinged Screw Cover, Add</i>	7.70	
26 05 33 23-0045	EA		10" x 10", Tee For Surface Mounted Wireway With Screw Cover.....	296.08	25.22
			<i>For Combination Hinged Screw Cover, Add</i>	12.28	
26 05 33 23-0046	EA		10" x 10", Cross For Surface Mounted Wireway With Screw Cover .....	426.23	28.51
			<i>For Combination Hinged Screw Cover, Add</i>	18.46	
<b>26 05 33 23-0047</b>			<b>12" x 12", Wireway With Screw Cover</b> <small>(26 05 33 23-0002)</small>		
26 05 33 23-0048	LF		12" x 12", NEMA 1, Surface Mounted Wireway With Screw Cover.....	101.04	7.71
			<i>For Combination Hinged Screw Cover, Add</i>	4.28	
			<i>For Concrete Or Masonry Surface, Add</i>	0.77	
26 05 33 23-0049	LF		12" x 12", NEMA 3R, Surface Mounted Wireway With Screw Cover .....	170.23	7.71
			<i>For Combination Hinged Screw Cover, Add</i>	7.74	
			<i>For Concrete Or Masonry Surface, Add</i>	0.77	
26 05 33 23-0050	EA		12" x 12", End Plate For Surface Mounted Wireway With Screw Cover .....	33.03	5.37
			<i>For Combination Hinged Screw Cover, Add</i>	1.12	
26 05 33 23-0051	EA		12" x 12", Coupling For Surface Mounted Wireway With Screw Cover.....	43.77	10.73
			<i>For Combination Hinged Screw Cover, Add</i>	1.12	
26 05 33 23-0052	EA		12" x 12", Panel Adapter For Surface Mounted Wireway With Screw Cover .....	127.93	21.80
			<i>For Combination Hinged Screw Cover, Add</i>	4.22	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0053	EA		12" x 12", Elbow For Surface Mounted Wireway With Screw Cover..... <i>For Combination Hinged Screw Cover, Add</i>	258.05 10.72	21.80
26 05 33 23-0054	EA		12" x 12", Tee For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	333.45 13.99	26.84
26 05 33 23-0055	EA		12" x 12", Cross For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	550.24 24.49	30.19
<b>26 05 33 23-0056</b>			<b>Surface Metal Raceways</b> <small>(26 05 33 23-0001)</small> Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.		
<b>26 05 33 23-0057</b>			<b>One Piece Surface Metal Raceways</b> <small>(26 05 33 23-0056)</small> Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).		
<b>26 05 33 23-0058</b>			<b>3/4" x 17/32" One Piece Surface Metal Raceways (Wiremold #500)</b> <small>(26 05 33 23-0057)</small> Note: Available in ivory.		
26 05 33 23-0059	LF		3/4" x 17/32" One Piece Surface Metal Raceway (Wiremold #500)..... <i>For Concrete Or Masonry Surface, Add</i>	3.21 0.10	1.00
26 05 33 23-0060	EA		Bushing (Wiremold #502) .....	2.97	1.34
26 05 33 23-0061	EA		One Or Two Hole Strap (Wiremold #504).....	3.00	1.34
26 05 33 23-0062	EA		Connection Cover (Wiremold #506).....	3.14	1.34
26 05 33 23-0063	EA		Flat 90 Degree Elbow (Wiremold #511).....	4.97	1.61
26 05 33 23-0064	EA		Flat 45 Degree Elbow (Wiremold #512).....	8.73	1.67
26 05 33 23-0065	EA		Adjustable Internal Elbow (Wiremold #517).....	6.19	2.02
26 05 33 23-0066	EA		Adjustable External Elbow (Wiremold #518).....	6.03	2.02
<b>26 05 33 23-0067</b>			<b>3/4" x 21/32" One Piece Surface Metal Raceways (Wiremold #700)</b> <small>(26 05 33 23-0057)</small> Note: Available in ivory and white.		
26 05 33 23-0068	LF		3/4" x 21/32" One Piece Surface Metal Raceway (Wiremold #700)..... <i>For Concrete Or Masonry Surface, Add</i>	4.01 0.13	1.34
26 05 33 23-0069	EA		Bushing (Wiremold #702).....	3.06	1.34
26 05 33 23-0070	EA		One Or Two Hole Strap (Wiremold #704).....	3.18	1.34
26 05 33 23-0071	EA		Connection Cover (Wiremold #706).....	3.20	1.34
26 05 33 23-0072	EA		Flat 90 Degree Elbow (Wiremold #711).....	7.19	2.69
26 05 33 23-0073	EA		Flat 45 Degree Elbow (Wiremold #712).....	12.03	2.69
26 05 33 23-0074	EA		Adjustable Internal Elbow (Wiremold #717).....	7.85	2.69
26 05 33 23-0075	EA		Adjustable External Elbow (Wiremold #718).....	7.55	2.69
<b>26 05 33 23-0076</b>			<b>One Piece Surface Metal Raceways Fittings (Wiremold #500 And 700 Fittings)</b> <small>(26 05 33 23-0057)</small> Note: Available in ivory.		
26 05 33 23-0077	EA		18" Flex Fitting, For #500 Or 700 (Wiremold #5700F).....	24.24	2.02
26 05 33 23-0078	EA		Galvanized Coupling For #500 Or 700 (Wiremold #5701).....	3.16	1.34
26 05 33 23-0079	EA		Supporting Clip, For #500 Or 700 (Wiremold #5703).....	3.16	1.34
26 05 33 23-0080	EA		Ground Clamp (Wiremold #5709).....	10.04	2.02
26 05 33 23-0081	EA		Grounding Connector (Wiremold #5709GC).....	8.33	2.02
26 05 33 23-0082	EA		L Or R (Left Or Right) Twisted Internal Ell (Wiremold #5711).....	9.28	2.69
26 05 33 23-0083	EA		Tee (Wiremold #5715).....	10.28	3.35
26 05 33 23-0084	EA		2-1/2" x 2-3/8" x 2-1/2" Corner Box (Wiremold #5719).....	19.36	2.69
26 05 33 23-0085	EA		Utility Box For #500 Or #700 (Wiremold #57242).....	14.61	2.69
26 05 33 23-0086	EA		2-3/8" Diameter, Blank Cover (Wiremold #5731).....	7.74	1.67
26 05 33 23-0087	EA		3" Diameter, Outlet Box (Wiremold #5733).....	18.38	2.69
26 05 33 23-0088	EA		4-3/4" Square x 1-3/8" Deep, Distribution Box (Wiremold #5735).....	18.30	2.69
26 05 33 23-0089	EA		4-3/8" Blank Cover (Wiremold #5736).....	8.25	1.67
26 05 33 23-0090	EA		4-3/4" Diameter, Extension Box/Open Base (Wiremold #5737).....	16.52	2.69
26 05 33 23-0091	EA		5-1/2" Diameter, Extension Box/Open Base (Wiremold #5737A).....	15.89	2.69
26 05 33 23-0092	EA		4-3/4" Diameter, Fixture Box/Solid Base (Wiremold #5738).....	16.04	2.69
26 05 33 23-0093	EA		5-1/2" Diameter, Fixture Box/Solid Base (Wiremold #5738A).....	16.04	2.69
26 05 33 23-0094	EA		5-1/2" Diameter, Fan Box/Solid Base (Wiremold #5738AF).....	18.30	2.69
26 05 33 23-0095	EA		6-3/8" Diameter, Fixture Box/Solid Base (Wiremold #5739).....	18.07	2.69
26 05 33 23-0096	EA		6-3/8" Diameter, Extension Box/Open Base (Wiremold #5739A).....	19.37	2.69
26 05 33 23-0097	EA		Standard Switch Box For #500, Or #700 (Wiremold #57240).....	21.19	4.36
26 05 33 23-0098	EA		Duplex Receptacle And Box, Ground, For #500 Or #700 (Wiremold #57243G).....	32.83	8.38
26 05 33 23-0099	EA		2-13/16" x 4-5/8" x 1-3/8" Switch And Receptacle Box For Shallow Type Switches (Wiremold #5741).....	15.50	4.36
26 05 33 23-0100	EA		1 Gang, 4-5/8" x 2-7/8" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744).....	25.78	4.36
26 05 33 23-0101	EA		2 Gang, 4-3/4" x 4-3/4" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-2).....	29.86	4.36
26 05 33 23-0102	EA		3 Gang, 4-5/8" x 6-1/2" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-3).....	46.45	4.36
26 05 33 23-0103	EA		1 Gang, Signal Box (Wiremold #5744S).....	23.48	3.69
26 05 33 23-0104	EA		2 Gang, Signal Box (Wiremold #5744S-2).....	26.42	3.69
26 05 33 23-0105	EA		3 Gang, Signal Box (Wiremold #5744S-3).....	43.47	3.69
26 05 33 23-0106	EA		4-5/8" x 2-7/8" x 1-3/4" Combination Switch And Receptacle Box With 1/2" KO's (Wiremold #5745).....	16.28	4.36
26 05 33 23-0107	EA		4-5/8" x 2-7/8" x 1-3/8", 1 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747).....	14.06	4.36
26 05 33 23-0108	EA		4-3/4" x 4-3/4" x 1-3/8", 2 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-2).....	20.65	4.36
26 05 33 23-0109	EA		4-5/8" x 6-1/2" x 2-3/4", 3 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-3).....	42.21	4.36

**26 Electrical**  
**26 05 Common Work Results For Electrical**  
**26 05 33 Raceway And Boxes For Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0110	EA		4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748) .....	15.17	4.36
26 05 33 23-0111	EA		4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-2) .....	21.98	4.36
26 05 33 23-0112	EA		4-5/8" x 6-1/2" x 1-3/4", 3 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-3) .....	40.97	4.36
26 05 33 23-0113	EA		4-5/8" x 8-11/32" x 1-3/4", 4 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-4) .....	61.85	4.36
26 05 33 23-0114	EA		4-5/8" x 10-5/32" x 1-3/4", 5 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-5) .....	103.38	4.36
26 05 33 23-0115	EA		4-5/8" x 11-31/32" x 1-3/4", 6 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-6) .....	105.24	4.36
26 05 33 23-0116	EA		4-3/8" x 2-7/8" x 15/16" Shallow Switch And Receptacle Box For Shallow Duplex Devices (Wiremold #5748-S) .....	14.96	4.36
26 05 33 23-0117	EA		4-5/8" x 2-7/8" x 15/16", 1 Gang, Flush-Type Extension Adapter (Wiremold #5751) .....	14.49	4.36
26 05 33 23-0118	EA		4-3/4" x 4-3/4" x 15/16", 2 Gang, Flush-Type Extension Adapter (Wiremold #5751-2) .....	19.98	4.36
26 05 33 23-0119	EA		4-5/8" x 6-1/2" x 15/16", 3 Gang, Flush-Type Extension Adapter (Wiremold #5751-3) .....	41.38	4.36
26 05 33 23-0120	EA		4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Deep Flush-Type Extension Adapter (Wiremold #5751A) .....	15.83	4.36
26 05 33 23-0121	EA		4-11/16" x 4-11/16" x 1-3/8", 2 Gang, Alarm Device Box (Wiremold #5752) .....	21.13	4.36
26 05 33 23-0122	EA		4-11/16" x 4-11/16" x 2-3/4", 2 Gang, Extra Deep Alarm Device Box (Wiremold #5753) .....	31.40	4.36
26 05 33 23-0123	EA		Blank Extension Box (Wiremold #5760) .....	10.82	1.67
26 05 33 23-0124	EA		1/2" Special Nipple (Wiremold #5780) .....	10.27	1.67
26 05 33 23-0125	EA		1/2" Box Connector (Wiremold #5781) .....	6.55	1.67
26 05 33 23-0126	EA		3/4" Box Connector (Wiremold #5781A) .....	12.93	2.02
26 05 33 23-0127	EA		1/2" Conduit Connector (Wiremold #5782) .....	6.62	1.67
26 05 33 23-0128	EA		3/4" Conduit Connector (Wiremold #5782A) .....	16.46	2.02
26 05 33 23-0129	EA		1/2" Elbow Conduit Connector (Wiremold #5784) .....	14.64	2.02
26 05 33 23-0130	EA		Combination Connector, To Any 3-1/4" Or 4" Outlet Box (Wiremold #5785) .....	7.69	2.02
26 05 33 23-0131	EA		Offset Connector (Wiremold #5786) .....	13.52	2.02
26 05 33 23-0132	EA		Armor Cable Connector (Wiremold #5790B) .....	6.73	1.67
26 05 33 23-0133	EA		1/2" Electrical Metallic Tubing (EMT) Connector, For #500 Or 700 (Wiremold #5791) .....	6.04	1.34
26 05 33 23-0134			<b>1-9/16" x 11/32" One Piece Surface Metal Raceways (Wiremold #1500)</b> <sup>(26 05 33 23-0057)</sup>		
			Note: Galvanized finish.		
26 05 33 23-0135	LF		1-9/16" x 11/32" One Piece Surface Metal Raceway (Wiremold #1500-10) .....	5.91	1.67
			For Concrete Or Masonry Surface, Add	0.17	
26 05 33 23-0136	EA		Wire Clip (Wiremold #1500WC) .....	3.54	1.34
26 05 33 23-0137	EA		Bushing (Wiremold #1502) .....	4.14	1.67
26 05 33 23-0138	EA		2-Hole Strap (Wiremold #1504) .....	4.62	2.02
26 05 33 23-0139	EA		Flat Elbow (Wiremold #1511) .....	18.61	6.37
26 05 33 23-0140	EA		Internal Elbow (Wiremold #1517) .....	19.34	6.37
26 05 33 23-0141	EA		Adapter Fitting (Wiremold #1517B) .....	21.03	6.37
26 05 33 23-0142	EA		External Elbow (Wiremold #1518) .....	20.89	6.37
26 05 33 23-0143	EA		Utility Box (Wiremold #1528) .....	19.57	4.36
26 05 33 23-0144	EA		Junction Box (Wiremold #1542D) .....	20.25	4.36
26 05 33 23-0145	EA		Duplex Receptacle (Wiremold #1543GL) .....	39.76	8.38
26 05 33 23-0146	EA		Single Receptacle Box (Wiremold #1546A) .....	20.92	4.36
26 05 33 23-0147	EA		Duplex Receptacle Box (Wiremold #1546B) .....	26.08	4.36
26 05 33 23-0148	EA		Telephone Box (Wiremold #1546T) .....	25.54	4.36
26 05 33 23-0149	EA		Combination Connection (Wiremold #1585) .....	12.38	2.02
26 05 33 23-0150			<b>2-7/32" x 28/32" One Piece Surface Metal Raceways (Wiremold #2600)</b> <sup>(26 05 33 23-0057)</sup>		
			Note: Galvanized finish.		
26 05 33 23-0151	LF		2-7/32" x 28/32" One Piece Surface Metal Raceway (Wiremold #2600-10) .....	9.48	3.02
			For Concrete Or Masonry Surface, Add	0.30	
26 05 33 23-0152	EA		Wire Clip (Wiremold #2600WC) .....	3.52	1.34
26 05 33 23-0153	EA		Fiber Bushing (Wiremold #2602) .....	3.98	1.34
26 05 33 23-0154	EA		2-5/8", 90 Degree Flat Elbow (Wiremold #2611) .....	14.99	2.35
26 05 33 23-0155	EA		5" Diameter, Junction Box (Wiremold #2642D) .....	22.50	3.35
26 05 33 23-0156	EA		Service Fitting (Wiremold #2686FO) .....	21.83	4.02
26 05 33 23-0157			<b>Two Piece Surface Metal Raceways</b> <sup>(26 05 33 23-0056)</sup>		
			Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).		
26 05 33 23-0158			<b>1-9/32" x 3/4" Two Piece Surface Metal Raceways (Wiremold #2000)</b> <sup>(26 05 33 23-0157)</sup>		
26 05 33 23-0159	LF		1-9/32" x 3/4" Two Piece Surface Metal Raceway Base And Cover (Wiremold #2000BC) .....	5.62	1.67
			For Concrete Or Masonry Surface, Add	0.17	
26 05 33 23-0160	EA		Wire Clip (Wiremold #2000WC) .....	2.60	1.34
26 05 33 23-0161	EA		Coupling (Wiremold #2001) .....	6.77	1.67
26 05 33 23-0162	EA		Supporting Clip (Wiremold #2003) .....	3.50	1.00
26 05 33 23-0163	EA		Cover Clip (Wiremold #2006) .....	3.21	1.00
26 05 33 23-0164	EA		Ground Clamp (Wiremold #2009) .....	8.76	1.67
26 05 33 23-0165	EA		Entrance End Fitting (Wiremold #2010A2) .....	16.54	5.03
26 05 33 23-0166	EA		Entrance End Fitting (Wiremold #2010A3) .....	29.16	6.71
26 05 33 23-0167	EA		Blank End Fitting (Wiremold #2010B) .....	4.22	1.67
26 05 33 23-0168	EA		Flat 90 Degree Elbow (Wiremold #2011) .....	14.21	4.36
26 05 33 23-0169	EA		Tee (Wiremold #2015) .....	26.83	6.31
26 05 33 23-0170	EA		Internal Corner Coupling (Wiremold #2017TC) .....	8.84	3.35
26 05 33 23-0171	EA		Single Gang device Box (Wiremold #2048) .....	21.78	5.97
26 05 33 23-0172	EA		#2048-2 2-Gang device Box .....	35.66	6.64
26 05 33 23-0173	EA		#2051H Flush Plate Adapter .....	23.52	6.64
26 05 33 23-0174	EA		#2089 Side Reducing Connector .....	20.41	3.35



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0175	EA		#2089E End Reducing Connector .....	8.28	1.67
<b>26 05 33 23-0176</b>			<b>1-7/8" x 7/8" Two Piece Surface Metal Raceways (Wiremold #2400)</b> <small>(26 05 33 23-0157)</small>		
			Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0177	LF		#2400B, 1-7/8" x 7/8" Two Piece Surface Metal Raceway Base ..... <i>For Concrete Or Masonry Surface, Add</i>	4.57 0.17	1.67
26 05 33 23-0178	LF		#2400BD, 1-7/8" x 7/8" Divided Two Piece Surface Metal Raceway Base..... <i>For Concrete Or Masonry Surface, Add</i>	5.05 0.17	1.67
26 05 33 23-0179	LF		#2400C Raceway Cover.....	1.91	0.33
26 05 33 23-0180	EA		#2400WC Wire Clip .....	2.55	1.34
26 05 33 23-0181	EA		#2401 Coupling.....	6.64	1.67
26 05 33 23-0182	EA		#2401D Divided Raceway Coupling .....	5.68	1.67
26 05 33 23-0183	EA		#2406 Cover Clip .....	3.13	1.00
26 05 33 23-0184	EA		#2407-2CM Device Bracket Frame.....	23.92	5.03
26 05 33 23-0185	EA		#2407-2TJ Device Bracket Frame .....	22.85	5.03
26 05 33 23-0186	EA		#2409 Ground Clamp .....	6.35	1.34
26 05 33 23-0187	EA		#2410A End Fitting .....	15.25	5.03
26 05 33 23-0188	EA		#2410B Blank End.....	4.19	1.67
26 05 33 23-0189	EA		#2410BD Divided Blank End Fitting.....	4.25	1.67
26 05 33 23-0190	EA		#2410C Entrance End Fitting.....	23.82	5.03
26 05 33 23-0191	EA		#2410D Divided Entrance End Fitting.....	22.79	5.03
26 05 33 23-0192	EA		#2410DFO Divided Entrance End Fitting.....	38.15	5.03
26 05 33 23-0193	EA		#2410FC Full Cap Entrance End Fitting .....	28.94	5.03
26 05 33 23-0194	EA		#2411D Divided Flat 90 Degree Elbow.....	17.24	5.03
26 05 33 23-0195	EA		#2411DFO Radiused Divided Flat 90 Degree Elbow.....	28.37	5.03
26 05 33 23-0196	EA		#2411FO Radiused Flat 90 Degree Elbow .....	25.28	4.96
26 05 33 23-0197	EA		#2411M Flat 90 Degree Elbow .....	16.37	5.03
26 05 33 23-0198	EA		#2415DFO Radiused Divided Tee.....	30.53	4.96
26 05 33 23-0199	EA		#2415FO Radiused Tee .....	28.97	4.96
26 05 33 23-0200	EA		#2415M Tee.....	19.65	4.96
26 05 33 23-0201	EA		#2417D Divided Internal Coupling .....	16.19	4.96
26 05 33 23-0202	EA		#2417DFO Radiused Divided Internal Coupling.....	26.14	4.96
26 05 33 23-0203	EA		#2417FO Radiused Internal Coupling.....	25.33	4.96
26 05 33 23-0204	EA		#2417M Internal Coupling.....	15.64	4.96
26 05 33 23-0205	EA		#2418DFO Radiused Divided External Coupling .....	28.53	4.96
26 05 33 23-0206	EA		#2418FO Radiused External Coupling .....	28.05	4.96
26 05 33 23-0207	EA		#2418M External Coupling.....	19.30	4.96
26 05 33 23-0208	EA		#2444 Extra Deep Switch And Receptacle, 1 Gang .....	26.01	4.36
26 05 33 23-0209	EA		#2444-2 Extra Deep Switch And Receptacle Box, 2 Gang .....	29.00	4.36
26 05 33 23-0210	EA		#2444-2LS Over Raceway Extra Deep Switch And Receptacle Box, 2 Gang .....	29.15	4.36
26 05 33 23-0211	EA		#2444D Divided Extra Deep Switch And Receptacle, 1 Gang.....	27.89	4.36
26 05 33 23-0212	EA		#2444D-2A Divided Extra Deep Switch And Receptacle Box, 2 Gang .....	39.83	4.36
26 05 33 23-0213	EA		#2444D-2N Divided Over Raceway Extra Deep Switch And Receptacle Box, 2 Gang.....	34.92	4.36
26 05 33 23-0214	EA		#2448 Switch And Receptacle Box For Shallow Devices, 1 Gang, 4-5/8" x 2-7/8" x 1-3/4".....	17.87	4.36
26 05 33 23-0215	EA		#2448-2 Switch And Receptacle Box For Shallow Devices, 2 Gang, 4-3/4" x 4-3/4" x 1-3/4".....	28.33	4.36
26 05 33 23-0216	EA		#2450 Adapter Plate, Device Bracket Type .....	8.61	1.67
26 05 33 23-0217	EA		#2451H 4-1/2" x 4-1/2" Back Feed Fitting.....	20.14	5.03
26 05 33 23-0218	EA		#2475D Bridge Fitting 2400/700/500 .....	62.61	5.03
26 05 33 23-0219	EA		#2489 Side Reducing Connector.....	17.90	2.69
<b>26 05 33 23-0220</b>			<b>2-3/4" x 1-17/32" Two Piece Surface Metal Raceways (Wiremold #3000)</b> <small>(26 05 33 23-0157)</small>		
			Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0221	LF		#3000B, 2-3/4" x 1-17/32" Two Piece Surface Metal Raceway Base ..... <i>For Concrete Or Masonry Surface, Add</i>	9.38 0.30	3.02
26 05 33 23-0222	LF		#3000CE Raceway Cover.....	2.41	0.33
26 05 33 23-0223	EA		#3000WC Wire Clips For Conductors .....	3.66	1.34
26 05 33 23-0224	EA		#3001 Couplings.....	9.25	1.34
26 05 33 23-0225	EA		#3001A Rigid Inside Coupling.....	9.76	1.67
26 05 33 23-0226	EA		#3003 Supporting Clip.....	7.00	1.67
26 05 33 23-0227	EA		#3006E Clip Cover.....	3.84	1.34
26 05 33 23-0228	EA		#3007C Device Brackets .....	10.31	2.69
26 05 33 23-0229	EA		#3008C C-Hanger.....	10.55	2.02
26 05 33 23-0230	EA		#3010AE Entrance End Fitting For Connecting To 1/2" Conduit Or Armored Connectors.....	23.81	6.37
26 05 33 23-0231	EA		#3010B Blank End Fittings.....	8.55	2.69
26 05 33 23-0232	EA		#3010C Entrance End Fitting For Connecting To Rigid Or Flexible Conduit .....	26.69	6.37
26 05 33 23-0233	EA		#3011E Flat 90 Degree Elbow.....	40.70	8.31
26 05 33 23-0234	EA		#3014C Wall Box Connector.....	27.90	8.38
26 05 33 23-0235	EA		#3015E Tee Fitting .....	56.42	10.40
26 05 33 23-0236	EA		#3017TCE Internal Corner Coupling.....	26.01	6.37
26 05 33 23-0237	EA		#3018AE External Corner.....	32.78	6.37
26 05 33 23-0238	EA		#3027AE Single Receptacle Cover, With Face Diameters Of 1.38"-1.4" .....	22.55	6.37
26 05 33 23-0239	EA		#3028 Utility Box.....	40.27	6.37
26 05 33 23-0240	EA		#3033JE Single Receptacle Cover, With Face Diameters Of 1.56"-1.57".....	13.17	1.67
26 05 33 23-0241	EA		#3036HE Blank Cover .....	14.48	1.67
26 05 33 23-0242	EA		#3040CE Switch Cover.....	13.14	1.67
26 05 33 23-0243	EA		#3043BE Duplex Receptacle Cover .....	12.51	2.02
26 05 33 23-0244	EA		#3043GE 15 Amp, 125 Volt Duplex Grounding Receptacle And Cover.....	33.01	8.73
26 05 33 23-0245	EA		#3044-2 Extra Deep Switch And Receptacle Box, 2 Gang .....	45.72	6.37



**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0246	EA		#3046BE Duplex Receptacle Cover.....	13.08	2.02
26 05 33 23-0247	EA		#3046H-2 Tap Off Fitting .....	12.28	1.67
26 05 33 23-0248	EA		#3046KD Circuit Breaker Housing, 1-15/16" Deep x 6" Long .....	48.48	4.02
26 05 33 23-0249	EA		#3046KTSQ Circuit Breaker Housing, 2-3/4" Deep x 7-3/8" Long .....	118.39	4.02
26 05 33 23-0250	EA		#3046QOU Circuit Breaker Housing, 1-13/16" Deep x 7-3/8" Long.....	42.21	4.02
26 05 33 23-0251	EA		#3046S Bump Up Device Plate Cover, 1-13/16" Deep x 7-15/16" Long x 2-13/16" Wide.....	45.68	4.02
26 05 33 23-0252	EA		#3046U Bump Up Device Plate Cover, 1-13/32" Deep x 7-15/16" Long x 2-13/16" Wide.....	45.68	4.02
26 05 33 23-0253	EA		#3048R Rectangular Receptacle Cover.....	14.51	2.02
<b>26 05 33 23-0254</b>			<b>4-3/4" x 1-3/4" Two Piece Surface Metal Raceways (Wiremold #4000) (26 05 33</b>		
			<small>23-0157)</small> Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0255	LF		#4000B-10, 4-3/4" x 1-3/4" Two Piece Surface Metal Raceway Base .....	11.58	3.02
			<i>For Concrete Or Masonry Surface, Add</i>	0.32	
26 05 33 23-0256	LF		#4000C Raceway Cover.....	4.28	0.33
26 05 33 23-0257	LF		#4000D Divider .....	2.00	0.33
26 05 33 23-0258	EA		#4000WC Wire Clips For Conductors.....	4.55	1.67
26 05 33 23-0259	EA		#4001A Couplings.....	11.64	2.02
26 05 33 23-0260	EA		#4001D Divider Clip.....	5.23	2.02
26 05 33 23-0261	EA		#4006 Seam Clip .....	5.33	2.02
26 05 33 23-0262	EA		#4007C-1 Device Plate, 1 Gang .....	59.05	4.36
26 05 33 23-0263	EA		#4007C-1R Single Device Fitting.....	62.65	4.36
26 05 33 23-0264	EA		#4007C-2 Device Plate, 2 Gang .....	66.90	4.36
26 05 33 23-0265	EA		#4010B Blank End Fittings.....	12.60	2.69
26 05 33 23-0266	EA		#4010DFO Entrance End Fitting .....	48.35	10.33
26 05 33 23-0267	EA		#4011 Flat 90 Degree Elbow .....	45.49	8.38
26 05 33 23-0268	EA		#4011FO Radiused Flat 90 Degree Elbow .....	54.40	8.38
26 05 33 23-0269	EA		#4012TX Internal Or External 45 Degree Elbow .....	48.98	10.40
26 05 33 23-0270	EA		#4014A Wall Box Connector.....	66.81	10.40
26 05 33 23-0271	EA		#4015 Tee Fitting.....	74.62	10.40
26 05 33 23-0272	EA		#4015D Divided Tee Fitting .....	77.76	10.40
26 05 33 23-0273	EA		#4015DFO Radiused Full Capacity Divided Tee Fitting.....	93.75	10.40
26 05 33 23-0274	EA		#4015FO Radiused Tee Fitting.....	94.06	10.40
26 05 33 23-0275	EA		#4017 Internal Elbow .....	38.95	10.40
26 05 33 23-0276	EA		#4017FO Internal Elbow .....	73.24	10.40
26 05 33 23-0277	EA		#4017N Inverted Internal Elbow.....	43.66	10.40
26 05 33 23-0278	EA		#4017TCA Internal Corner Coupling.....	36.46	10.40
26 05 33 23-0279	EA		#4018 External Elbow.....	60.37	10.40
26 05 33 23-0280	EA		#4018FO Radiused External Elbow.....	70.79	10.40
26 05 33 23-0281	EA		#4046ARJ Single Locking Receptacle And Two RJ11/45 Modular Connectors Outlet Cover.....	61.85	4.36
26 05 33 23-0282	EA		#4046B-2 Double Duplex Receptacle Outlet Cover.....	65.70	4.36
26 05 33 23-0283	EA		#4046DRJ Duplex Receptacle And Two RJ11/45 Modular Connector Cover.....	65.70	4.36
26 05 33 23-0284	EA		#4046DRJ-2 Double Duplex Receptacle And Four RJ11/45 Modular Connector Cover.....	88.49	4.36
26 05 33 23-0285	EA		#4046H-2 Tap-Off Fitting .....	17.05	4.36
26 05 33 23-0286	EA		#4046JRJ Combination Single Receptacle And Phone Outlet Center.....	57.14	2.02
26 05 33 23-0287	EA		#4046RRJ Rectangular Receptacle And Two RJ11/45 Modular Connector Cover .....	67.30	4.36
26 05 33 23-0288	EA		#4050 Device Mounting Bracket.....	19.87	3.35
26 05 33 23-0289	EA		#4074A Take-off Connector, #4000 To #3000.....	95.27	10.40
26 05 33 23-0290	EA		#4075D Bridge Fitting.....	85.39	10.40
26 05 33 23-0291	EA		#4075DA Bridge Fitting.....	85.39	10.40
26 05 33 23-0292	EA		#4086A Panel Connector.....	63.60	19.79
26 05 33 23-0293	EA		#4089 Reducing Connector Fitting.....	39.94	10.40
<b>26 05 33 23-0294</b>			<b>4-3/4" x 3-9/16" Two Piece Surface Metal Raceways (Wiremold #6000) (26 05</b>		
			<small>33 23-0157)</small> Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0295	LF		#6000B-10, 4-3/4" x 3-9/16" Two Piece Surface Metal Raceway Base .....	17.68	3.69
			<i>For Concrete Or Masonry Surface, Add</i>	0.37	
26 05 33 23-0296	LF		#6000C Raceway Cover.....	5.19	1.00
26 05 33 23-0297	LF		#6000DA Divider.....	5.58	1.00
26 05 33 23-0298	EA		#6000WC Wire Clips For Conductors.....	5.43	1.67
26 05 33 23-0299	EA		#6001A Couplings.....	14.31	3.35
26 05 33 23-0300	EA		#6001D Divider Clip.....	6.71	1.67
26 05 33 23-0301	EA		#6001TX Converter Coupling .....	18.75	4.36
26 05 33 23-0302	EA		#6006 Connection Cover .....	17.68	4.36
26 05 33 23-0303	EA		#6007C-1 Single Gang Device Plate .....	18.66	4.36
26 05 33 23-0304	EA		#6007C-2 Two Gang Device Plate.....	20.64	4.36
26 05 33 23-0305	EA		#6008A C-Hanger .....	29.99	6.37
26 05 33 23-0306	EA		#6010B Blank End Fittings.....	30.67	10.06
26 05 33 23-0307	EA		#6011TX Combination Flat Elbow.....	62.17	10.06
26 05 33 23-0308	EA		#6012TX Internal - External 45 Degree Elbow.....	63.51	9.66
26 05 33 23-0309	EA		#6014A Connector Fitting .....	92.40	10.40
26 05 33 23-0310	EA		#6017TX Combination Internal-External Elbow .....	63.89	11.40
26 05 33 23-0311	EA		#6046KD Circuit Breaker Housing .....	115.72	11.40
26 05 33 23-0312	EA		#6074 Take-off Connector, #6000 To #6000 .....	112.16	10.06
26 05 33 23-0313	EA		#6074A Take-off Connector, #6000 To #4000.....	121.78	10.06
26 05 33 23-0314	EA		#6086 Panel Connector .....	64.81	23.35



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0315				<b>Two Piece Surface Aluminum Raceways</b> <small>(26 05 33 23-0056)</small> Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).		
26 05 33 23-0316				<b>1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceways (Wiremold #AL2000)</b> <small>(26 05 33 23-0315)</small>		
26 05 33 23-0317	LF			#AL2000B, 1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceway Base..... <i>For Concrete Or Masonry Surface, Add</i>	7.82 0.17	1.67
26 05 33 23-0318	LF			#AL2000C Aluminum Raceway Cover.....	4.21	0.33
26 05 33 23-0319	EA			#AL2000WC Wire Clip.....	3.68	1.34
26 05 33 23-0320	EA			#AL2001 Coupling.....	7.61	1.67
26 05 33 23-0321	EA			#AL2003 Supporting Clip.....	4.03	1.00
26 05 33 23-0322	EA			#AL2006 Cover Clip.....	5.28	1.00
26 05 33 23-0323	EA			#AL2009 Ground Clamp.....	7.40	1.67
26 05 33 23-0324	EA			#AL2010A Entrance End Fitting.....	20.47	5.03
26 05 33 23-0325	EA			#AL2010B Blank End Fitting.....	6.59	1.67
26 05 33 23-0326	EA			#AL2011 Flat 90 Degree Elbow.....	24.65	4.36
26 05 33 23-0327	EA			#AL2015 Tee.....	33.16	6.31
26 05 33 23-0328	EA			#AL2017 Internal Corner Elbow.....	22.68	3.35
26 05 33 23-0329	EA			#AL2018 External Corner Elbow.....	22.63	3.35
26 05 33 23-0330	EA			#AL2043 In-Line Receptacle, Two 15 Amp.....	36.26	6.64
26 05 33 23-0331	EA			#AL2038 4-13/16" Round Fixture Box.....	89.90	5.97
26 05 33 23-0332	EA			#AL2044 4-1/2" x 3" x 2-1/4" D Box.....	37.89	5.97
26 05 33 23-0333	EA			#AL2044-2 4-5/8" x 4-7/8" x 2-1/2" D Box.....	82.07	6.64
26 05 33 23-0334	EA			#AL2047 Single Gang Shallow Device Box.....	39.37	5.97
26 05 33 23-0335	EA			#AL2047-2 2-Gang Shallow Device Box.....	72.07	6.64
26 05 33 23-0336	EA			#AL2051H Flush Plate Adapter.....	28.50	6.64
26 05 33 23-0337				<b>2" x 1-9/32" Two Piece Surface Aluminum Raceways (Wiremold #AL2400)</b> <small>(26 05 33 23-0315)</small>		
26 05 33 23-0338	LF			#AL2400B, 2" x 1-9/32" Two Piece Surface Aluminum Raceway Base..... <i>For Concrete Or Masonry Surface, Add</i>	7.96 0.17	1.67
26 05 33 23-0339	LF			#AL2400C Aluminum Raceway Cover.....	3.73	0.33
26 05 33 23-0340	EA			#AL2400WC Wire Clip.....	4.71	1.34
26 05 33 23-0341	EA			#AL2401 Coupling.....	8.59	1.67
26 05 33 23-0342	EA			#AL2406 Cover Clip.....	6.19	1.00
26 05 33 23-0343	EA			#AL2409 Ground Clamp.....	5.42	1.34
26 05 33 23-0344	EA			#AL2410B Blank End.....	6.72	1.67
26 05 33 23-0345	EA			#AL2410B2 End Fitting.....	14.14	5.03
26 05 33 23-0346	EA			#AL2411 Flat 90 Degree Elbow.....	26.56	5.03
26 05 33 23-0347	EA			#AL2415 Tee.....	29.05	4.96
26 05 33 23-0348	EA			#AL2416 Fourway Fitting.....	34.29	4.96
26 05 33 23-0349	EA			#AL2417 Internal Coupling.....	26.47	4.96
26 05 33 23-0350	EA			#AL2418 External Coupling.....	28.57	4.96
26 05 33 23-0351	EA			#AL2451H 4-1/2" x 4-1/2" Back Feed Fitting.....	23.60	5.03
26 05 33 23-0352				<b>2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceways (Wiremold #AL3300)</b> <small>(26 05 33 23-0315)</small>		
26 05 33 23-0353	LF			#AL3300B, 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceway Base..... <i>For Concrete Or Masonry Surface, Add</i>	13.64 0.30	3.02
26 05 33 23-0354	LF			#AL3300CE Aluminum Raceway Cover.....	4.12	0.33
26 05 33 23-0355	LF			#AL3300D Raceway Divider.....	3.39	3.02
26 05 33 23-0356	EA			#AL3300WC Wire Clips For Conductors.....	6.56	1.34
26 05 33 23-0357	EA			#AL3301 Couplings.....	11.70	1.34
26 05 33 23-0358	EA			#AL3301D Divider Coupling.....	9.89	1.67
26 05 33 23-0359	EA			#AL3309 Ground Clamp.....	6.61	1.34
26 05 33 23-0360	EA			#AL3310B Blank End Fittings.....	13.78	2.69
26 05 33 23-0361	EA			#AL3310B1 End Fitting.....	22.01	6.37
26 05 33 23-0362	EA			#AL3311 Flat 90 Degree Elbow..... Note: Includes two (2) AL3301 couplings.	68.97	8.31
26 05 33 23-0363	EA			#AL3315 Tee Fitting..... Note: Includes three (3) AL3301 couplings.	78.95	10.40
26 05 33 23-0364	EA			#AL3316 Cross Fitting..... Note: Includes four (4) AL3301 couplings.	89.54	10.40
26 05 33 23-0365	EA			#AL3317 Internal Elbow..... Note: Includes two (2) AL3301 couplings.	64.89	6.37
26 05 33 23-0366	EA			#AL3318 External Elbow..... Note: Includes two (2) AL3301 couplings.	64.96	6.37
26 05 33 23-0367	EA			#AL3346D Duplex Receptacle Cover.....	14.28	2.02
26 05 33 23-0368	EA			#AL3346E Single Receptacle Cover.....	14.19	2.02
26 05 33 23-0369	EA			#AL3346G GFCI/ Surge Receptacle Cover.....	14.03	2.02
26 05 33 23-0370	EA			#AL3356R Single Device Cover Plate.....	14.11	1.67
26 05 33 23-0371				<b>5" x 2" Two Piece Surface Aluminum Raceways (Wiremold #AL5200)</b> <small>(26 05 33 23-0315)</small>		
26 05 33 23-0372	LF			#AL5200B-10, 5" x 2" Two Piece Surface Aluminum Raceway Base..... <i>For Concrete Or Masonry Surface, Add</i>	18.03 0.32	3.02
26 05 33 23-0373	LF			#AL5200C Aluminum Raceway Cover.....	7.70	0.33

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0374 LF #AL5200D Divider.....	4.46	0.33
26 05 33 23-0375 EA #AL5200WC Wire Clips For Conductors.....	6.00	1.67
26 05 33 23-0376 EA #AL5200WC2 Wire Clips For Conductors.....	4.97	1.67
26 05 33 23-0377 EA #AL5200WC3 Wire Clips For Conductors.....	4.94	1.67
26 05 33 23-0378 EA #AL5201 Couplings.....	11.29	2.02
26 05 33 23-0379 EA #AL5206 Cover Clip.....	10.27	2.02
26 05 33 23-0380 EA #AL5209 Ground Adapter.....	12.59	2.02
26 05 33 23-0381 EA #AL5210B Blank End Fittings.....	13.49	2.69
26 05 33 23-0382 EA #AL5210B1 Blank End Fittings.....	14.56	2.69
26 05 33 23-0383 EA #AL5210B2 Blank End Fittings.....	14.80	2.69
26 05 33 23-0384 EA #AL5210B3 Blank End Fittings.....	14.31	2.69
26 05 33 23-0385 EA #AL5211 Flat 90 Degree Elbow.....	77.03	8.38
Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0386 EA #AL5214 Wall Box Connector.....	59.05	10.40
26 05 33 23-0387 EA #AL5215 Tee Fitting.....	89.89	10.40
Note: Includes three (3) pairs of AL5201 couplings.		
26 05 33 23-0388 EA #AL5216 Four Way Fitting.....	99.03	10.40
Note: Includes four (4) pairs of AL5201 couplings.		
26 05 33 23-0389 EA #AL5217 Internal Elbow.....	79.27	10.40
Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0390 EA #AL5217A Internal Corner Coupling.....	31.19	10.40
26 05 33 23-0391 EA #AL5217N Inverted Internal Elbow.....	81.59	10.40
26 05 33 23-0392 EA #AL5218 External Elbow.....	79.99	10.40
Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0393 EA #AL5246B Blank Device Cover Plate.....	17.23	2.02
26 05 33 23-0394 EA #AL5246D Receptacle Device Cover Plate.....	20.58	2.02
26 05 33 23-0395 EA #AL5246DD Double Receptacle Device Cover Plate.....	24.57	2.02
26 05 33 23-0396 EA #AL5246F Device Cover Plate.....	22.99	2.02
26 05 33 23-0397 EA #AL5246G Device Cover Plate.....	21.17	2.02
26 05 33 23-0398 EA #AL5260 Offset Divider.....	19.25	4.36
<b>26 05 33 23-0399 3" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA3800)</b>		
(26 05 33 23-0315)		
26 05 33 23-0400 LF #ALA3800B-10 Single Channel, 3" x 2-1/4" Two Piece Surface Aluminum Raceway Base.....	15.91	3.02
26 05 33 23-0401 EA #ALA3806 Cover Clip.....	7.41	2.02
26 05 33 23-0402 EA #ALA3810B Blank End Fittings.....	13.37	2.69
26 05 33 23-0403 EA #ALA3810B1 Entrance End Cap Fittings.....	14.44	2.69
26 05 33 23-0404 EA #ALA3811 Flat 90 Degree Elbow.....	76.23	8.38
Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0405 EA #ALA3815 Flat Tee Fitting.....	77.92	10.40
Note: Includes three (3) ALA01 couplings.		
26 05 33 23-0406 EA #ALA3817 Internal Elbow.....	75.87	10.40
Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0407 EA #ALA3817N Inverted Internal Elbow.....	90.07	10.40
Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0408 EA #ALA3818 External Elbow.....	76.92	10.40
Note: Includes two (2) ALA01 couplings.		
<b>26 05 33 23-0409 6" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA4800)</b>		
(26 05 33 23-0315)		
26 05 33 23-0410 LF #ALA4800B-10 Two Channel, 6" x 2-1/4" Two Piece Surface Aluminum Raceway Base.....	24.26	3.02
26 05 33 23-0411 EA #ALA4806 Cover Clip.....	10.33	2.02
26 05 33 23-0412 EA #ALA4810B Blank End Fittings.....	13.53	2.69
26 05 33 23-0413 EA #ALA4810B2 Entrance End Cap Fittings.....	15.14	2.69
26 05 33 23-0414 EA #ALA4811 Flat 90 Degree Elbow.....	90.49	8.38
Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0415 EA #ALA4815 Flat Tee Fitting.....	124.13	10.40
Note: Includes six (6) ALA01 couplings.		
26 05 33 23-0416 EA #ALA4817 Internal Elbow.....	82.92	10.40
Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0417 EA #ALA4817N Inverted Internal Elbow.....	98.11	10.40
Note: Includes four (4) ALA01 couplings.		
26 05 33 23-0418 EA #ALA4818 External Elbow.....	87.20	10.40
Note: Includes four (4) ALA01 couplings.		
<b>26 05 33 23-0419 Two Piece Surface Aluminum Raceways Fittings (Wiremold #ALA3800 And #ALA4800)</b>		
(26 05 33 23-0315)		
26 05 33 23-0420 LF #ALAC-5 3" Wide Aluminum Raceway Cover.....	5.24	0.33
Note: For use with ALA3800 single channel raceway and ALA4800 dual channel raceway.		
26 05 33 23-0421 EA #ALAWC Wire Clips.....	4.63	1.67
26 05 33 23-0422 EA #ALA01 Slide Couplings.....	11.44	2.02
26 05 33 23-0423 EA #ALA09 Grounding Adapter.....	9.65	2.02
26 05 33 23-0424 EA #ALA11RI Bend Radius Control Insert For Flat Elbow.....	26.21	8.38
26 05 33 23-0425 EA #ALA17A Internal Corner Coupling.....	31.17	10.40
26 05 33 23-0426 EA #ALA17/18RI Bend Radius Control Insert For Internal And External Elbow.....	29.42	8.38
26 05 33 23-0427 EA #ALA-BL Blank Cover Plate.....	12.65	2.02
26 05 33 23-0428 EA #ALA-DR Duplex Receptacle Cover Plate.....	13.53	2.02
26 05 33 23-0429 EA #ALA-E Single Receptacle Cover Plate, 1.40" Diameter Opening.....	14.11	2.02
26 05 33 23-0430 EA #ALA-F Single Receptacle Cover Plate, 1.59" Diameter Opening.....	14.78	2.02
26 05 33 23-0431 EA #ALA-G GFCI/Surge/Decorator Cover Plate.....	13.65	2.02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0432 EA #ALA-J Single Receptacle Cover Plate, 2.13" Diameter Opening .....	14.12	2.02
26 05 33 23-0433 EA #ALA-N Toggle Switch Cover Plate .....	14.50	2.02
26 05 33 23-0434 EA #ALA-LPB Active LPB Cover Plate .....	18.75	2.02
26 05 33 23-0435 EA #ALA-MAB Active MAB Cover Plate .....	17.59	2.02
26 05 33 23-0436 EA #ALA-MABRT Ortronics Cover Plate .....	20.36	2.02
26 05 33 23-0437 EA #ALA-SG 1-3/4" x 2-3/4" Cover Plate .....	14.09	2.02
26 05 33 23-0438 EA #ALA-2A Active 2A Cover Plate .....	19.65	2.02
26 05 33 23-0439 EA #ALA-ABRT Ortronics Communications Cover Plate .....	17.94	2.02
26 05 33 23-0440 EA #ALA-Z 3/4" Grommet/Mousehole Cover Plate .....	14.47	2.02
26 05 33 23-0441 EA #ALA-LPB3S2 Ortronics Low Profile Cover Plate .....	18.10	2.02
<b>26 05 33 23-0442 Surface Non-Metallic Raceways</b> <small>(26 05 33 23-0001)</small>		
Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.		
<b>26 05 33 23-0443 One Piece Surface Non-Metallic Raceways</b> <small>(26 05 33 23-0442)</small>		
Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation. (Wiremold or approved equal).		
<b>26 05 33 23-0444 #400, 7/8" x 7/16"</b> <small>(26 05 33 23-0443)</small>		
26 05 33 23-0445 LF #400BAC, 7/8" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover .....	4.25	1.34
<i>For Concrete Or Masonry Surface, Add</i>		0.13
26 05 33 23-0446 EA #400WC Wire Clip .....	3.02	1.34
26 05 33 23-0447 EA #406 Cover Clip .....	3.23	1.34
26 05 33 23-0448 EA #410B Blank End Clip .....	6.14	2.69
26 05 33 23-0449 EA #411 Flat 90 Degree Elbow .....	7.44	2.69
26 05 33 23-0450 EA #415 Tee .....	9.38	3.35
26 05 33 23-0451 EA #417 Internal Elbow .....	7.28	2.69
26 05 33 23-0452 EA #418 External Elbow .....	7.28	2.69
<b>26 05 33 23-0453 #800, 1-5/16" x 7/16"</b> <small>(26 05 33 23-0443)</small>		
26 05 33 23-0454 LF #800BAC, 1-5/16" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover .....	5.07	1.34
<i>For Concrete Or Masonry Surface, Add</i>		0.13
26 05 33 23-0455 EA #800WC Wire Clip .....	3.09	1.34
26 05 33 23-0456 EA #806 Cover Clip .....	3.17	1.34
26 05 33 23-0457 EA #810A2 Entrance End Fitting .....	10.66	2.69
26 05 33 23-0458 EA #810B Blank End Fitting .....	6.23	2.69
26 05 33 23-0459 EA #811 Flat 90 Degree Elbow .....	7.51	2.69
26 05 33 23-0460 EA #815 Tee .....	9.45	3.35
26 05 33 23-0461 EA #817 Internal Elbow .....	7.33	2.69
26 05 33 23-0462 EA #818 External Elbow .....	7.33	2.69
26 05 33 23-0463 EA #889A End Reducer, #800 To #400 .....	8.53	2.69
<b>26 05 33 23-0464 #2300, 2-1/4" x 11/16"</b> <small>(26 05 33 23-0443)</small>		
26 05 33 23-0465 LF #2300BAC, 2-1/4" x 11/16" One Piece Surface Non-Metallic Raceway Base And Cover .....	6.01	1.34
<i>For Concrete Or Masonry Surface, Add</i>		0.13
26 05 33 23-0466 LF #2300BACD, 2-1/4" x 11/16" One Piece Surface Non-Metallic Divided Raceway Base And Cover .....	6.46	1.34
<i>For Concrete Or Masonry Surface, Add</i>		0.13
26 05 33 23-0467 EA #2300WC Wire Clip .....	3.29	1.34
26 05 33 23-0468 EA #2306 Cover Clip .....	3.52	1.34
26 05 33 23-0469 EA #2310A Entrance End Fitting .....	11.77	2.69
26 05 33 23-0470 EA #2310B Blank End Fitting .....	6.67	2.69
26 05 33 23-0471 EA #2310DFO Divided Entrance End Fitting .....	13.52	2.69
26 05 33 23-0472 EA #2311 Flat 90 Degree Elbow .....	7.70	2.69
26 05 33 23-0473 EA #2311DFO Divided Flat 90 Degree Elbow .....	8.43	2.69
26 05 33 23-0474 EA #2315 Tee .....	9.55	3.35
26 05 33 23-0475 EA #2317 Internal Elbow .....	7.70	2.69
26 05 33 23-0476 EA #2317DFO Divided Internal Elbow .....	8.45	2.69
26 05 33 23-0477 EA #2318 External Elbow .....	7.72	2.69
26 05 33 23-0478 EA #2318DFO Divided External Elbow .....	8.58	2.69
26 05 33 23-0479 EA #2389 End Reducer, #2300 To #400 .....	8.59	2.69
26 05 33 23-0480 EA #2389A End Reducer, #2300 To #800 .....	9.06	2.69
<b>26 05 33 23-0481 #400, #800 Or #2300 Fittings</b> <small>(26 05 33 23-0443)</small>		
26 05 33 23-0482 EA #2336 Blank Cover, 4-1/2" Diameter .....	10.07	2.35
26 05 33 23-0483 EA #2337A Extension Box, 5-1/2" Diameter .....	17.47	2.69
26 05 33 23-0484 EA #2338-A Fixture Box, 5-1/2" Diameter .....	17.58	2.69
26 05 33 23-0485 EA #2344 Extra Deep Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide .....	15.65	2.69
26 05 33 23-0486 EA #2344-2 Extra Deep Device Box, 2 Gang, 2-3/4" Deep x 4-3/4" Long x 4-7/8" Wide .....	18.49	2.69
26 05 33 23-0487 EA #2344D Extra Deep Divided Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide .....	17.25	2.69
26 05 33 23-0488 EA #2344SD-2A Deep Divided Device Box, 2 Gang, 2-1/4" Deep x 4-3/4" Long x 4-7/8" Wide .....	18.93	2.69
26 05 33 23-0489 EA #2347 1-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 3" Wide .....	14.26	4.36
26 05 33 23-0490 EA #2347-2 2-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 4-7/8" Wide .....	16.75	4.36
26 05 33 23-0491 EA #2348 1-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide .....	14.99	4.36
26 05 33 23-0492 EA #2348-2 2-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 4-7/8" Wide .....	18.75	4.36
26 05 33 23-0493 EA #2348-3 3-Gang Deep Device Box, 1-3/4" Deep x 5" Long x 7" Wide .....	23.11	4.36
26 05 33 23-0494 EA #2348AMP 1-Gang Deep Device Box With Magnetic Backing, 1-3/4" Deep x 4-3/4" Long x 3" Wide .....	21.73	4.36
26 05 33 23-0495 EA #2348D 1-Gang Divided Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide .....	19.35	4.36

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0496	EA		#2348S/51 Shallow Device And Extension Box, 7/8" Deep x 4-3/4" Long x 3" Wide.....	13.89	4.36
<b>26 05 33 23-0497</b>			<b>#2700, 3/4" x 3/8"</b> <small>(26 05 33 23-0443)</small>		
26 05 33 23-0498	LF		#2700, 3/4" x 3/8" One Piece Surface Non-Metallic Raceway Base And Cover.....	3.94	1.34
			<i>For Concrete Or Masonry Surface, Add</i>	0.13	
26 05 33 23-0499	EA		#2700WC 3/4" Wire Clip.....	1.61	0.67
26 05 33 23-0500	EA		#2706 Cover Clip.....	2.67	0.67
26 05 33 23-0501	EA		#2710B Blank End.....	4.01	1.34
26 05 33 23-0502	EA		#2711 Flat 90 Degree Elbow.....	4.70	1.67
26 05 33 23-0503	EA		#2715 Tee.....	7.40	3.02
26 05 33 23-0504	EA		#2717 Internal Elbow.....	5.37	2.02
26 05 33 23-0505	EA		#2718 External Elbow.....	5.36	2.02
26 05 33 23-0506	EA		#2786 Drop Ceiling Connector.....	6.35	2.35
<b>26 05 33 23-0507</b>			<b>#2800, 1" x 1/2"</b> <small>(26 05 33 23-0443)</small>		
26 05 33 23-0508	LF		#2800, 1" x 1/2" One Piece Surface Non-Metallic Raceway Base And Cover.....	5.10	1.67
			<i>For Concrete Or Masonry Surface, Add</i>	0.17	
26 05 33 23-0509	EA		#2800WC 1" Wire Clip.....	2.40	1.00
26 05 33 23-0510	EA		#2806 Cover Clip.....	3.44	1.00
26 05 33 23-0511	EA		#2810B Blank End.....	4.77	1.67
26 05 33 23-0512	EA		#2811 Flat 90 Degree Elbow.....	6.18	2.35
26 05 33 23-0513	EA		#2811FO Radiused Flat 90 Degree Elbow.....	6.69	2.35
26 05 33 23-0514	EA		#2815 Tee.....	8.87	3.69
26 05 33 23-0515	EA		#2817 Internal Elbow.....	6.83	2.69
26 05 33 23-0516	EA		#2818 External Elbow.....	6.86	2.69
26 05 33 23-0517	EA		#2815FO Radiused Tee.....	9.56	3.69
26 05 33 23-0518	EA		#2817FO Radiused Internal Elbow.....	7.46	2.69
26 05 33 23-0519	EA		#2818FO Radiused External Elbow.....	7.37	2.69
26 05 33 23-0520	EA		#2886 Drop Ceiling Connector.....	7.72	3.02
26 05 33 23-0521	EA		#2889 2800-2700 Reducer.....	6.98	2.69
<b>26 05 33 23-0522</b>			<b>#2900, 1-1/2" x 3/4"</b> <small>(26 05 33 23-0443)</small>		
26 05 33 23-0523	LF		#2900, 1-1/2" x 3/4" One Piece Surface Non-Metallic Raceway Base And Cover.....	6.23	2.02
			<i>For Concrete Or Masonry Surface, Add</i>	0.20	
26 05 33 23-0524	EA		#2900WC 1-1/2" Wire Clip.....	3.16	1.34
26 05 33 23-0525	EA		#2906 Cover Clip.....	4.22	1.34
26 05 33 23-0526	EA		#2910B Blank End.....	5.55	2.02
26 05 33 23-0527	EA		#2911 Flat 90 Degree Elbow.....	6.91	2.69
26 05 33 23-0528	EA		#2911FO Radiused Flat 90 Degree Elbow.....	7.72	2.69
26 05 33 23-0529	EA		#2915 Tee.....	9.59	4.02
26 05 33 23-0530	EA		#2915FO Radiused Tee.....	10.42	4.02
26 05 33 23-0531	EA		#2918FO Radiused External Elbow.....	8.66	3.02
26 05 33 23-0532	EA		#2917 Internal Elbow.....	7.58	3.02
26 05 33 23-0533	EA		#2917FO Radiused Internal Elbow.....	8.42	3.02
26 05 33 23-0534	EA		#2918 External Elbow.....	7.57	3.02
26 05 33 23-0535	EA		#2986 Drop Ceiling Connector.....	7.71	3.02
26 05 33 23-0536	EA		#2989 2900-2800 Reducer.....	8.57	3.35
26 05 33 23-0537	EA		#2989A 2900-2700 Reducer.....	8.29	3.35
<b>26 05 33 23-0538</b>			<b>Two Piece Surface Non-Metallic Raceways</b> <small>(26 05 33 23-0442)</small>		
			Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation. (Wiremold or approved equal).		
<b>26 05 33 23-0539</b>			<b>#5000, 5" x 1"</b> <small>(26 05 33 23-0538)</small>		
26 05 33 23-0540	LF		#5000B, 5" x 1" Two Piece Surface Non-Metallic Raceway Base.....	9.62	3.02
			<i>For Concrete Or Masonry Surface, Add</i>	0.30	
26 05 33 23-0541	LF		#5000C Cover, Black, Gray Or White.....	9.07	3.02
26 05 33 23-0542	LF		#5000COA Cover, Oak Veneer.....	18.36	3.02
26 05 33 23-0543	LF		#5000CW Cover, Maple Wood Veneer.....	14.69	3.02
26 05 33 23-0544	LF		#5000T Quarter Round Trim, Black, Gray Or White.....	1.33	0.33
26 05 33 23-0545	LF		#5000TOA Quarter Round Trim, Oak Veneer.....	5.99	0.33
26 05 33 23-0546	LF		#5000TW Quarter Round Trim, Maple Wood Veneer.....	3.65	0.33
26 05 33 23-0547	EA		#5001 Base Coupling.....	8.60	3.35
26 05 33 23-0548	EA		#5004 Blank/Coax Adapter.....	4.92	1.67
26 05 33 23-0549	EA		#5005 Low Voltage Blank Plate.....	6.67	2.02
26 05 33 23-0550	EA		#5006 Cover Clip.....	9.37	3.35
26 05 33 23-0551	EA		#5006A Internal Wire Guard.....	8.66	3.35
26 05 33 23-0552	EA		#5007C Device Bracket.....	10.12	3.35
26 05 33 23-0553	EA		#5007C-1 Device Plate.....	18.03	6.71
26 05 33 23-0554	EA		#5007C-2 Deep Device Plate.....	18.78	6.71
26 05 33 23-0555	EA		#5010 End Cap, Right Or Left.....	15.44	6.37
26 05 33 23-0556	EA		#5010A Entrance End Feed.....	30.94	10.40
26 05 33 23-0557	EA		#5017B Internal Base Elbow.....	20.91	8.38
26 05 33 23-0558	EA		#5017C Internal Cover Elbow.....	19.27	6.71
26 05 33 23-0559	EA		#5017WG Internal Elbow Wire Guard.....	12.99	5.03
26 05 33 23-0560	EA		#5018B External Base Elbow.....	20.86	8.38
26 05 33 23-0561	EA		#5018C External Cover Elbow.....	19.47	6.71



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0562 EA #5018WG External Elbow Wire Guard .....	8.47	3.35
<b>26 05 33 23-0563 #5400, 5-1/4" x 1-11/16"</b> <small>(26 05 33 23-0538)</small>		
26 05 33 23-0564 LF #5400TB Two Compartment, 5-1/4" x 1-11/16" Two Piece Surface Non-Metallic Raceway Base.....	10.69	3.02
<i>For Concrete Or Masonry Surface, Add</i>	<i>0.30</i>	
26 05 33 23-0565 LF #5400C Full Width Cover.....	4.08	0.33
26 05 33 23-0566 LF #5400TC Twin Snap Cover.....	2.56	0.33
26 05 33 23-0567 EA #5400TWC Twin Snap Cover Wire Clips.....	3.85	1.67
26 05 33 23-0568 EA #5406A Cover Clip.....	6.91	2.02
26 05 33 23-0569 EA #5406T Twin Cover Clip.....	5.66	2.02
26 05 33 23-0570 EA #5406TB Base Seam Clip.....	4.95	2.02
26 05 33 23-0571 EA #5408 L Or R (Left Or Right) Transition Fitting.....	39.98	10.40
26 05 33 23-0572 EA #5410 End Cap.....	18.89	6.37
26 05 33 23-0573 EA #5410DFO Radiused Divided Entrance Cap Fitting.....	38.19	10.40
26 05 33 23-0574 EA #5411FO Radiused Flat 90 Degree Elbow.....	35.38	8.38
26 05 33 23-0575 EA #5415 Tee Fitting.....	40.42	10.40
26 05 33 23-0576 EA #5415FO Radiused Tee Fitting.....	42.58	10.40
26 05 33 23-0577 EA #5417FO Radiused Internal Elbow.....	32.50	10.40
26 05 33 23-0578 EA #5418 External Elbow.....	33.04	10.40
26 05 33 23-0579 EA #5418FO Radiused External Elbow.....	33.54	10.40
26 05 33 23-0580 EA #5450 5-5/32" x 6" Device Bracket.....	16.61	3.35
26 05 33 23-0581 EA #5450A3 7-19/32" x 7-1/2" Device Bracket.....	22.50	3.35
26 05 33 23-0582 EA #5450T 2-1/2" x 4-7/8" Twin Snap Device Bracket.....	12.26	3.35
26 05 33 23-0583 EA #5474 Transition Fitting.....	34.56	10.40
<b>26 05 33 23-0584 #5500, 6-11/16" x 1-11/16"</b> <small>(26 05 33 23-0538)</small>		
26 05 33 23-0585 LF #5500BD3 Three Compartment Divided, 6-11/16" x 1-11/16" Two Piece Surface Non-Metallic Raceway Base.....	13.78	3.02
<i>For Concrete Or Masonry Surface, Add</i>	<i>0.30</i>	
26 05 33 23-0586 LF #5500C Cover.....	5.42	0.33
26 05 33 23-0587 EA #5500WC Wire Clips.....	4.63	1.67
26 05 33 23-0588 EA #5506 Cover Clip.....	7.91	2.02
26 05 33 23-0589 EA #5506B Base Seam Clip Fitting.....	5.28	2.02
26 05 33 23-0590 EA #5507AD Modular Furniture Adapter.....	7.30	2.02
26 05 33 23-0591 EA #5507B Blank Faceplate.....	7.33	2.02
26 05 33 23-0592 EA #5507D Duplex Receptacle Faceplate.....	7.37	2.02
26 05 33 23-0593 EA #5507FRJ Dual RJ Connector Faceplate.....	7.37	2.02
26 05 33 23-0594 EA #5507R Rectangular Receptacle Faceplate.....	7.29	2.02
26 05 33 23-0595 EA #5507RJ Dual RJ Connector Faceplate.....	7.31	2.02
26 05 33 23-0596 EA #5507S Rectangular Spacer Fitting.....	7.24	2.02
26 05 33 23-0597 EA #5507SW Switch Faceplate.....	7.26	2.02
26 05 33 23-0598 EA #5507T1 Twistlock Faceplate.....	7.33	2.02
26 05 33 23-0599 EA #5507T2 Single Receptacle Faceplate.....	7.15	2.02
26 05 33 23-0600 EA #5550 6-5/8" x 6" Device Bracket.....	20.23	3.35
26 05 33 23-0601 EA #5550A4 9-5/8" x 7-1/2" Device Bracket.....	27.83	3.35
26 05 33 23-0602 EA #5510 End Cap.....	20.80	6.37
26 05 33 23-0603 EA #5510D Entrance End Fitting.....	44.30	10.40
26 05 33 23-0604 EA #5511FO Radiused Flat 90 Degree Elbow.....	41.00	8.38
26 05 33 23-0605 EA #5514A Backfeed Connector.....	32.03	8.38
26 05 33 23-0606 EA #5515 Tee Fitting.....	46.81	10.40
26 05 33 23-0607 EA #5517FO Radiused Internal Elbow.....	36.40	10.40
26 05 33 23-0608 EA #5518 External Elbow.....	37.44	10.40
26 05 33 23-0609 EA #5518FO Radiused External Elbow.....	39.63	10.40
26 05 33 23-0610 EA #5574 Transition Fitting.....	35.36	10.40
26 05 33 23-0611 EA #5574A Transition Fitting.....	49.57	10.40
<b>26 05 33 23-0612 Hellermann Tyton Non-Metallic Low Voltage Raceways</b> <small>(26 05 33 23-0442)</small>		
<small>Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.</small>		
<b>26 05 33 23-0613 1-1/4" x 3/4", Non-Metallic Low Voltage Raceways</b> <small>(26 05 33 23-0612)</small>		
26 05 33 23-0614 LF 1-1/4" x 3/4", Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2).....	3.66	1.67
26 05 33 23-0615 EA Splice For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-14).....	4.08	1.00
26 05 33 23-0616 EA Tee For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-21-1).....	9.66	3.69
26 05 33 23-0617 EA Flat 90 Degree Elbow For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-25-1).....	6.97	2.35
26 05 33 23-0618 EA Internal Elbow For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-36).....	7.43	2.69
26 05 33 23-0619 EA External Elbow For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-29-1).....	9.45	2.69
26 05 33 23-0620 EA End Cap For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-36).....	5.41	1.67
26 05 33 23-0621 EA Drop Ceiling Connector For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-50).....	9.40	3.02
<b>26 05 33 23-0622 1-3/4" x 1", Non-Metallic Low Voltage Raceways</b> <small>(26 05 33 23-0612)</small>		
26 05 33 23-0623 LF 1-3/4" x 1", Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3).....	4.46	2.02
26 05 33 23-0624 EA Splice For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-14).....	4.94	1.34
26 05 33 23-0625 EA Tee For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-21-1).....	10.52	4.02
26 05 33 23-0626 EA Flat 90 Degree Elbow For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-25-1).....	7.84	2.69
26 05 33 23-0627 EA Internal Elbow For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-33-1).....	8.51	3.02
26 05 33 23-0628 EA External Elbow For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-29-1).....	10.41	3.02
26 05 33 23-0629 EA End Cap For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-36).....	6.27	2.02

**26 Electrical****26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0630 EA Drop Ceiling Connector For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-50) .....	9.40	3.02
26 05 33 23-0631 EA 1-3/4" To 1-1/4" Reducer For Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR1X-12).....	8.96	3.35
<b>26 05 33 23-0632 Non-Metallic Raceway Junction Boxes (26 05 33 23-0612)</b>		
26 05 33 23-0633 EA 3" x 4-3/4" x 1-1/4", Single Gang, Non-Metallic Raceway Junction Box (Hellermann Tyton TSRX-JB1) .....	43.62	18.35
26 05 33 23-0634 EA 3" x 4-3/4" x 2", Single Gang, Non-Metallic Raceway Junction Box (Hellermann Tyton TSRX-JB2) .....	44.86	18.35
26 05 33 23-0635 EA 4.91" x 4.83" x 1.25", Double Gang, Non-Metallic Raceway Junction Box (Hellermann Tyton TSRX-JBD).....	48.71	18.35
<b>26 05 33 23-0636 Hubbell Two-Channel Non-Metallic Raceways (26 05 33 23-0442)</b>		
Note: Exposed on flat wall surface. Labor units include material unloading, unpacking at job site, layout of job, assembly and installation.		
<b>26 05 33 23-0637 2.12" x 1.04", Two-Channel Non-Metallic Raceways (26 05 33 23-0636)</b>		
26 05 33 23-0638 LF 2.12" x 1.04", Two-Channel Non-Metallic Raceway (Hubbell MT8BC7) .....	8.05	2.02
26 05 33 23-0639 LF 2.12" x 1.04", Two-Channel Non-Metallic Raceway With Adhesive (Hubbell MT8ABC7) .....	8.38	2.02
26 05 33 23-0640 EA Splice Cover For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8SC).....	3.86	1.34
26 05 33 23-0641 EA Tee Base And Cover For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8TCBC) .....	15.77	4.02
26 05 33 23-0642 EA Tee Cover Only For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8TCC) .....	6.11	1.34
26 05 33 23-0643 EA Flat 90 Degree Elbow Base And Cover For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8FEBC) .....	11.55	2.69
26 05 33 23-0644 EA Flat 90 Degree Elbow Cover Only For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8FEC) .....	5.17	1.34
26 05 33 23-0645 EA Internal Elbow Base And Cover For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8IEBC).....	12.66	3.02
26 05 33 23-0646 EA Internal Elbow Cover Only For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8IEC) .....	5.34	1.34
26 05 33 23-0647 EA External Elbow Base And Cover For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8EEBC) .....	12.99	3.02
26 05 33 23-0648 EA External Elbow Cover Only For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8EEC).....	5.72	1.34
26 05 33 23-0649 EA End Cap For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8EC) .....	6.07	2.02
26 05 33 23-0650 EA Conduit Adapter For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8CACF) .....	13.10	3.02
26 05 33 23-0651 EA Security Strap For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8SS).....	4.23	1.34
26 05 33 23-0652 EA Light Fixture Box For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT678FB) .....	23.27	4.02
26 05 33 23-0653 EA Single Gang Pass-Thru Divider Tunnel For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT678DT1G) .....	12.19	4.02
26 05 33 23-0654 EA Double Gang Pass-Thru Divider Tunnel For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT678DT2G).....	17.20	4.02
<b>26 05 33 23-0655 Non-Metallic Raceway Junction Boxes (26 05 33 23-0636)</b>		
26 05 33 23-0656 EA 3.25" x 4.90" x 1.25", Single Gang, Non-Metallic Raceway Junction Box (Hubbell MT678LB) .....	43.20	18.35
26 05 33 23-0657 EA 3.25" x 4.90" x 1.78", Single Gang, Non-Metallic Raceway Junction Box (Hubbell MT678SB).....	43.75	18.35
26 05 33 23-0658 EA 3.25" x 4.90" x 2.44", Single Gang, Non-Metallic Raceway Junction Box (Hubbell MT678DB) .....	46.62	18.35
26 05 33 23-0659 EA 5.06" x 4.90" x 2.44", Double Gang, Non-Metallic Raceway Junction Box (Hubbell MT678CTGB) .....	47.06	18.35
26 05 33 23-0660 EA Divided, 5.06" x 4.90" x 2.44", Double Gang, Non-Metallic Raceway Junction Box (Hubbell MT678TGD) .....	53.01	18.35
<b>26 05 36 Cable Trays For Electrical Systems (26 05)</b>		
<b>26 05 36 00-0001 Cable Trays (26 05 36)</b>		
Note: Excludes supporting hangers.		
<b>26 05 36 00-0002 Ladder Bottom Galvanized Steel Cable Tray (26 05 36 00-0001)</b>		
<b>26 05 36 00-0003 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray (26 05 36 00-0002)</b>		
<b>26 05 36 00-0004 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray (26 05 36 00-0003)</b>		
26 05 36 00-0005 LF 6" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....	27.16	7.05
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.13	
26 05 36 00-0006 LF 9" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....	29.37	7.56
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.31	
26 05 36 00-0007 LF 12" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....	32.13	8.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.53	
26 05 36 00-0008 LF 18" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....	35.92	8.66
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.87	
26 05 36 00-0009 LF 24" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....	39.61	8.95
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.22	
26 05 36 00-0010 LF 30" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....	48.44	10.35
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.99	
26 05 36 00-0011 LF 36" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....	54.29	11.81
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-4.45	
<b>26 05 36 00-0012 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray (26 05 36 00-0003)</b>		
26 05 36 00-0013 LF 6" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....	25.53	6.90
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-1.98	
26 05 36 00-0014 LF 9" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....	27.66	7.34
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.15	
26 05 36 00-0015 LF 12" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....	29.47	8.00
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.28	
26 05 36 00-0016 LF 18" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....	32.44	8.44
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.54	
26 05 36 00-0017 LF 24" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray .....	35.09	8.73
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0018 LF 30" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	41.30 -3.29	10.06
26 05 36 00-0019 LF 36" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	45.11 -3.59	11.01
<b>26 05 36 00-0020 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray</b> <small>(26 05 36 00-0003)</small>		
26 05 36 00-0021 LF 6" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	24.55 -1.89	6.83
26 05 36 00-0022 LF 9" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	25.28 -1.94	7.05
26 05 36 00-0023 LF 12" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	27.94 -2.17	7.49
26 05 36 00-0024 LF 18" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	30.70 -2.41	7.85
26 05 36 00-0025 LF 24" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	33.41 -2.67	8.07
26 05 36 00-0026 LF 30" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	36.45 -2.91	8.80
26 05 36 00-0027 LF 36" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	39.11 -3.12	9.54
<b>26 05 36 00-0028 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray</b> <small>(26 05 36 00-0003)</small>		
26 05 36 00-0029 LF 6" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	23.84 -1.84	6.53
26 05 36 00-0030 LF 9" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	24.34 -1.88	6.68
26 05 36 00-0031 LF 12" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	25.79 -1.99	7.05
26 05 36 00-0032 LF 18" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	27.34 -2.12	7.41
26 05 36 00-0033 LF 24" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	28.57 -2.24	7.41
26 05 36 00-0034 LF 30" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	31.62 -2.50	8.00
26 05 36 00-0035 LF 36" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	33.33 -2.63	8.36
<b>26 05 36 00-0036 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray</b> <small>(26 05 36 00-0003)</small>		
26 05 36 00-0037 LF 6" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	23.53 -1.82	6.39
26 05 36 00-0038 LF 9" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	23.93 -1.85	6.53
26 05 36 00-0039 LF 12" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	25.38 -1.96	6.90
26 05 36 00-0040 LF 18" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	26.66 -2.07	7.19
26 05 36 00-0041 LF 24" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	27.13 -2.11	7.27
26 05 36 00-0042 LF 30" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	28.78 -2.23	7.78
26 05 36 00-0043 LF 36" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	30.01 -2.32	8.22
<b>26 05 36 00-0044 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings</b> <small>(26 05 36 00-0002)</small>		
<b>26 05 36 00-0045 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0046 EA 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	205.92 -14.46	73.60
26 05 36 00-0047 EA 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	229.62 -15.98	83.80
26 05 36 00-0048 EA 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	252.25 -17.50	92.67
26 05 36 00-0049 EA 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	316.24 -22.16	113.59
26 05 36 00-0050 EA 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	360.15 -25.15	130.39



**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0051	EA		30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	432.34	146.75
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.00	
26 05 36 00-0052	EA		36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	499.05	167.74
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.93	
<b>26 05 36 00-0053</b>			<b>24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small></b>		
26 05 36 00-0054	EA		6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	299.46	76.53
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.57	
26 05 36 00-0055	EA		9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	323.82	87.98
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.05	
26 05 36 00-0056	EA		12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	346.85	97.82
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.53	
26 05 36 00-0057	EA		18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	400.81	121.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.96	
26 05 36 00-0058	EA		24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	447.76	140.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.03	
26 05 36 00-0059	EA		30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	498.02	159.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.47	
26 05 36 00-0060	EA		36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	583.85	185.28
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.94	
<b>26 05 36 00-0061</b>			<b>36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small></b>		
26 05 36 00-0062	EA		6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	323.72	79.98
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.71	
26 05 36 00-0063	EA		9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	355.26	92.60
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.81	
26 05 36 00-0064	EA		12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	382.97	103.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.66	
26 05 36 00-0065	EA		18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	457.99	130.39
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.93	
26 05 36 00-0066	EA		24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	519.57	153.07
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.20	
26 05 36 00-0067	EA		30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	610.84	176.11
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.41	
26 05 36 00-0068	EA		36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	691.24	206.92
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.88	
<b>26 05 36 00-0069</b>			<b>12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small></b>		
26 05 36 00-0070	EA		6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	153.66	53.34
			<i>For 60 Degree Bend, Deduct</i>	-30.27	
			<i>For 30 Degree Bend, Deduct</i>	-53.41	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.92	
26 05 36 00-0071	EA		9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	174.02	63.98
			<i>For 60 Degree Bend, Deduct</i>	-32.91	
			<i>For 30 Degree Bend, Deduct</i>	-58.40	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.07	
26 05 36 00-0072	EA		12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	192.38	73.38
			<i>For 60 Degree Bend, Deduct</i>	-35.36	
			<i>For 30 Degree Bend, Deduct</i>	-63.00	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.12	
26 05 36 00-0073	EA		18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	228.58	92.74
			<i>For 60 Degree Bend, Deduct</i>	-39.89	
			<i>For 30 Degree Bend, Deduct</i>	-71.63	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0074 EA 24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	284.51	113.59
<i>For 60 Degree Bend, Deduct</i>	-50.35	
<i>For 30 Degree Bend, Deduct</i>	-90.22	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.99	
26 05 36 00-0075 EA 30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	338.99	130.39
<i>For 60 Degree Bend, Deduct</i>	-61.88	
<i>For 30 Degree Bend, Deduct</i>	-110.37	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.03	
26 05 36 00-0076 EA 36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	382.06	153.07
<i>For 60 Degree Bend, Deduct</i>	-67.40	
<i>For 30 Degree Bend, Deduct</i>	-120.84	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.45	
<b>26 05 36 00-0077 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0078 EA 6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	173.65	55.03
<i>For 60 Degree Bend, Deduct</i>	-36.22	
<i>For 30 Degree Bend, Deduct</i>	-63.42	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.78	
26 05 36 00-0079 EA 9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	197.85	66.34
<i>For 60 Degree Bend, Deduct</i>	-39.86	
<i>For 30 Degree Bend, Deduct</i>	-70.11	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.26	
26 05 36 00-0080 EA 12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	225.50	76.60
<i>For 60 Degree Bend, Deduct</i>	-45.05	
<i>For 30 Degree Bend, Deduct</i>	-79.34	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.17	
26 05 36 00-0081 EA 18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	263.55	97.82
<i>For 60 Degree Bend, Deduct</i>	-49.47	
<i>For 30 Degree Bend, Deduct</i>	-87.88	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.20	
26 05 36 00-0082 EA 24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	324.12	121.52
<i>For 60 Degree Bend, Deduct</i>	-60.39	
<i>For 30 Degree Bend, Deduct</i>	-107.40	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.29	
26 05 36 00-0083 EA 30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	380.32	140.96
<i>For 60 Degree Bend, Deduct</i>	-71.48	
<i>For 30 Degree Bend, Deduct</i>	-126.97	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.29	
26 05 36 00-0084 EA 36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	446.24	167.81
<i>For 60 Degree Bend, Deduct</i>	-82.94	
<i>For 30 Degree Bend, Deduct</i>	-147.56	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.64	
<b>26 05 36 00-0085 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0086 EA 6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	212.29	56.79
<i>For 60 Degree Bend, Deduct</i>	-48.30	
<i>For 30 Degree Bend, Deduct</i>	-83.65	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.50	
26 05 36 00-0087 EA 9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	239.23	68.97
<i>For 60 Degree Bend, Deduct</i>	-52.51	
<i>For 30 Degree Bend, Deduct</i>	-91.35	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.18	
26 05 36 00-0088 EA 12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	260.35	80.05
<i>For 60 Degree Bend, Deduct</i>	-55.23	
<i>For 30 Degree Bend, Deduct</i>	-96.50	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.36	
26 05 36 00-0089 EA 18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	310.25	103.61
<i>For 60 Degree Bend, Deduct</i>	-62.65	
<i>For 30 Degree Bend, Deduct</i>	-110.18	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.39	
26 05 36 00-0090 EA 24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	362.79	130.39
<i>For 60 Degree Bend, Deduct</i>	-69.73	
<i>For 30 Degree Bend, Deduct</i>	-123.46	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.41	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0091 EA 30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	442.88	153.07
For 60 Degree Bend, Deduct	-87.47	
For 30 Degree Bend, Deduct	-154.29	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.53	
26 05 36 00-0092 EA 36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	517.74	185.28
For 60 Degree Bend, Deduct	-99.82	
For 30 Degree Bend, Deduct	-176.67	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.33	
<b>26 05 36 00-0093 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)</b>		
26 05 36 00-0094 EA 6" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	225.01	73.38
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.39	
26 05 36 00-0095 EA 9" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	244.78	83.80
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.49	
26 05 36 00-0096 EA 12" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	263.02	92.67
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.58	
26 05 36 00-0097 EA 18" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	302.64	113.59
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.80	
26 05 36 00-0098 EA 24" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	335.40	130.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.67	
26 05 36 00-0099 EA 30" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	372.09	146.75
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.98	
26 05 36 00-0100 EA 36" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	411.44	167.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.18	
<b>26 05 36 00-0101 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)</b>		
26 05 36 00-0102 EA 6" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	272.78	76.53
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.90	
26 05 36 00-0103 EA 9" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	295.50	88.05
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.21	
26 05 36 00-0104 EA 12" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	317.71	97.82
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.62	
26 05 36 00-0105 EA 18" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	365.40	121.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.42	
26 05 36 00-0106 EA 24" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	406.06	140.96
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.86	
26 05 36 00-0107 EA 30" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	447.25	159.96
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.39	
26 05 36 00-0108 EA 36" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	511.88	185.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.75	
<b>26 05 36 00-0109 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)</b>		
26 05 36 00-0110 EA 6" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	329.29	79.98
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.26	
26 05 36 00-0111 EA 9" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	357.46	92.67
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.03	
26 05 36 00-0112 EA 12" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	378.15	103.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.18	
26 05 36 00-0113 EA 18" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	439.29	130.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.06	
26 05 36 00-0114 EA 24" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	479.43	153.07
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.19	
26 05 36 00-0115 EA 30" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	548.51	176.11
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0116 EA 36" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	616.35 -44.39	206.92
<b>26 05 36 00-0117 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)</b>		
26 05 36 00-0118 EA 6" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	399.40 -28.20	140.96
26 05 36 00-0119 EA 9" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	431.93 -30.44	153.07
26 05 36 00-0120 EA 12" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	453.25 -31.99	159.96
26 05 36 00-0121 EA 18" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	507.14 -36.04	176.11
26 05 36 00-0122 EA 24" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	576.29 -41.34	195.47
26 05 36 00-0123 EA 30" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	645.04 -47.23	207.29
26 05 36 00-0124 EA 36" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	730.00 -53.44	234.66
<b>26 05 36 00-0125 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)</b>		
26 05 36 00-0126 EA 6" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	512.96 -38.54	153.07
26 05 36 00-0127 EA 9" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	549.75 -40.99	167.81
26 05 36 00-0128 EA 12" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	573.44 -42.67	176.11
26 05 36 00-0129 EA 18" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	627.86 -46.49	195.47
26 05 36 00-0130 EA 24" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	695.93 -51.25	220.14
26 05 36 00-0131 EA 30" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	749.65 -55.41	234.66
26 05 36 00-0132 EA 36" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	911.01 -68.51	271.14
<b>26 05 36 00-0133 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)</b>		
26 05 36 00-0134 EA 6" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	665.16 -52.53	167.81
26 05 36 00-0135 EA 9" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	709.08 -55.47	185.28
26 05 36 00-0136 EA 12" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	753.09 -59.02	195.47
26 05 36 00-0137 EA 18" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	826.07 -64.26	220.14
26 05 36 00-0138 EA 24" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	936.94 -72.75	251.32
26 05 36 00-0139 EA 30" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,016.60 -79.07	271.14
26 05 36 00-0140 EA 36" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	1,139.79 -87.32	319.93
<b>26 05 36 00-0141 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0044)</b>		

**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0142	EA	6" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	497.28	130.39
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.86	
26 05 36 00-0143	EA	9" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	508.31	135.53
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.54	
26 05 36 00-0144	EA	12" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	519.72	140.96
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.23	
26 05 36 00-0145	EA	18" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	544.88	153.07
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.73	
26 05 36 00-0146	EA	24" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	561.29	159.96
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.80	
26 05 36 00-0147	EA	30" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	607.82	176.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.11	
26 05 36 00-0148	EA	36" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	652.42	195.47
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.95	
<b>26 05 36 00-0149</b>		<b>24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small></b>		
26 05 36 00-0150	EA	6" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	740.72	140.96
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.33	
26 05 36 00-0151	EA	9" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	757.80	146.75
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.55	
26 05 36 00-0152	EA	12" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	775.70	153.07
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.81	
26 05 36 00-0153	EA	18" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	814.95	167.81
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.51	
26 05 36 00-0154	EA	24" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	843.55	176.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.68	
26 05 36 00-0155	EA	30" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	890.60	195.47
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.77	
26 05 36 00-0156	EA	36" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	956.22	220.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.28	
<b>26 05 36 00-0157</b>		<b>36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small></b>		
26 05 36 00-0158	EA	6" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,200.51	153.07
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-107.29	
26 05 36 00-0159	EA	9" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,224.29	159.96
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-109.10	
26 05 36 00-0160	EA	12" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,249.57	167.81
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-110.98	
26 05 36 00-0161	EA	18" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,291.04	185.28
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-113.66	
26 05 36 00-0162	EA	24" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,320.32	195.47
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-115.74	
26 05 36 00-0163	EA	30" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,398.21	220.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-121.48	
26 05 36 00-0164	EA	36" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,462.42	251.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-125.30	
<b>26 05 36 00-0165</b>		<b>12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0044)</small></b>		
26 05 36 00-0166	EA	6" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	497.32	176.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.06	
26 05 36 00-0167	EA	9" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	522.46	185.28
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0168 EA 12" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	559.11	195.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.62	
26 05 36 00-0169 EA 18" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	600.85	207.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.81	
26 05 36 00-0170 EA 24" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	675.98	234.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.04	
26 05 36 00-0171 EA 30" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	760.14	251.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.07	
26 05 36 00-0172 EA 36" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	832.44	271.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.65	
<b>26 05 36 00-0173 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0174 EA 6" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	721.17	195.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.83	
26 05 36 00-0175 EA 9" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	753.09	207.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.04	
26 05 36 00-0176 EA 12" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	786.79	220.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.33	
26 05 36 00-0177 EA 18" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	838.05	234.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.25	
26 05 36 00-0178 EA 24" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	928.20	271.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.23	
26 05 36 00-0179 EA 30" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	997.48	293.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.29	
26 05 36 00-0180 EA 36" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,122.60	319.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.60	
<b>26 05 36 00-0181 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0182 EA 6" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	919.38	220.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.59	
26 05 36 00-0183 EA 9" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	968.19	234.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.26	
26 05 36 00-0184 EA 12" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,020.43	251.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.10	
26 05 36 00-0185 EA 18" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,114.82	271.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-88.89	
26 05 36 00-0186 EA 24" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,269.93	319.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-100.33	
26 05 36 00-0187 EA 30" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,384.13	351.63
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-109.11	
26 05 36 00-0188 EA 36" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,512.27	391.69
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-118.59	
<b>26 05 36 00-0189 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0190 EA 6" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	589.03	176.11
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.23	
26 05 36 00-0191 EA 9" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	618.70	185.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.42	
26 05 36 00-0192 EA 12" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	664.02	195.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.11	
26 05 36 00-0193 EA 18" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	715.89	207.36
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.31	
26 05 36 00-0194 EA 24" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	804.16	234.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.86	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0195 EA 30" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	913.92	251.40
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.44	
26 05 36 00-0196 EA 36" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,003.16	270.76
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.75	
<b>26 05 36 00-0197 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0198 EA 6" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	899.07	195.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.62	
26 05 36 00-0199 EA 9" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	936.52	207.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.38	
26 05 36 00-0200 EA 12" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	975.74	220.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.23	
26 05 36 00-0201 EA 18" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,039.15	234.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.36	
26 05 36 00-0202 EA 24" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,142.57	271.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.67	
26 05 36 00-0203 EA 30" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,226.22	293.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-98.16	
26 05 36 00-0204 EA 36" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,387.79	319.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-112.12	
<b>26 05 36 00-0205 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0044)</small>		
26 05 36 00-0206 EA 6" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,168.01	220.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-98.46	
26 05 36 00-0207 EA 9" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,227.86	234.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-103.23	
26 05 36 00-0208 EA 12" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,291.15	251.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-108.17	
26 05 36 00-0209 EA 18" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,413.17	271.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-118.73	
26 05 36 00-0210 EA 24" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,601.43	319.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-133.48	
26 05 36 00-0211 EA 30" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,743.25	351.63
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-145.02	
26 05 36 00-0212 EA 36" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,899.01	391.69
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-157.26	
<b>26 05 36 00-0213 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings</b> <small>(26 05 36 00-0002)</small>		
<b>26 05 36 00-0214 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0215 EA 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	194.02	73.60
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.27	
26 05 36 00-0216 EA 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	216.78	83.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.69	
26 05 36 00-0217 EA 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	238.28	92.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.11	
26 05 36 00-0218 EA 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	298.11	113.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.35	
26 05 36 00-0219 EA 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	339.75	130.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.11	
26 05 36 00-0220 EA 30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	405.52	146.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0221 EA 36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	467.69 -32.79	167.74
<b>26 05 36 00-0222 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)</b>		
26 05 36 00-0223 EA 6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	274.90 -21.11	76.53
26 05 36 00-0224 EA 9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	298.51 -22.52	87.98
26 05 36 00-0225 EA 12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	320.59 -23.91	97.82
26 05 36 00-0226 EA 18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	372.48 -27.12	121.52
26 05 36 00-0227 EA 24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	417.34 -29.99	140.96
26 05 36 00-0228 EA 30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	464.96 -33.16	159.96
26 05 36 00-0229 EA 36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	544.56 -39.01	185.28
<b>26 05 36 00-0230 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)</b>		
26 05 36 00-0231 EA 6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	296.52 -22.99	79.98
26 05 36 00-0232 EA 9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	326.54 -24.94	92.60
26 05 36 00-0233 EA 12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	352.94 -26.66	103.61
26 05 36 00-0234 EA 18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	423.61 -31.49	130.39
26 05 36 00-0235 EA 24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	481.79 -35.42	153.07
26 05 36 00-0236 EA 30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	565.51 -41.88	176.11
26 05 36 00-0237 EA 36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	641.75 -46.93	206.92
<b>26 05 36 00-0238 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)</b>		
26 05 36 00-0239 EA 6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	144.40 -27.21 -48.32 -10.00	53.34
26 05 36 00-0240 EA 9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	164.39 -29.73 -53.11 -11.11	63.98
26 05 36 00-0241 EA 12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	182.37 -32.05 -57.50 -12.12	73.38
26 05 36 00-0242 EA 18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	218.01 -36.40 -65.82 -14.07	92.74
26 05 36 00-0243 EA 24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting ..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	270.91 -45.86 -82.74 -17.63	113.59



**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0244	EA		30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	321.62	130.39
			<i>For 60 Degree Bend, Deduct</i>	-56.14	
			<i>For 30 Degree Bend, Deduct</i>	-100.82	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.29	
26 05 36 00-0245	EA		36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	363.93	153.07
			<i>For 60 Degree Bend, Deduct</i>	-61.42	
			<i>For 30 Degree Bend, Deduct</i>	-110.87	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.64	
<b>26 05 36 00-0246</b>			<b>24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small></b>		
26 05 36 00-0247	EA		6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	161.94	55.03
			<i>For 60 Degree Bend, Deduct</i>	-32.36	
			<i>For 30 Degree Bend, Deduct</i>	-56.98	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.61	
26 05 36 00-0248	EA		9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	185.38	66.34
			<i>For 60 Degree Bend, Deduct</i>	-35.74	
			<i>For 30 Degree Bend, Deduct</i>	-63.26	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.01	
26 05 36 00-0249	EA		12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	211.53	76.60
			<i>For 60 Degree Bend, Deduct</i>	-40.44	
			<i>For 30 Degree Bend, Deduct</i>	-71.66	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.77	
26 05 36 00-0250	EA		18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	249.19	97.82
			<i>For 60 Degree Bend, Deduct</i>	-44.73	
			<i>For 30 Degree Bend, Deduct</i>	-79.98	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.77	
26 05 36 00-0251	EA		24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	306.75	121.52
			<i>For 60 Degree Bend, Deduct</i>	-54.66	
			<i>For 30 Degree Bend, Deduct</i>	-97.84	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.55	
26 05 36 00-0252	EA		30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	359.55	140.96
			<i>For 60 Degree Bend, Deduct</i>	-64.63	
			<i>For 30 Degree Bend, Deduct</i>	-115.54	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.21	
26 05 36 00-0253	EA		36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	422.44	167.81
			<i>For 60 Degree Bend, Deduct</i>	-75.09	
			<i>For 30 Degree Bend, Deduct</i>	-134.47	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.26	
<b>26 05 36 00-0254</b>			<b>36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0213)</small></b>		
26 05 36 00-0255	EA		6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	195.48	56.79
			<i>For 60 Degree Bend, Deduct</i>	-42.75	
			<i>For 30 Degree Bend, Deduct</i>	-74.40	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.82	
26 05 36 00-0256	EA		9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	221.47	68.97
			<i>For 60 Degree Bend, Deduct</i>	-46.65	
			<i>For 30 Degree Bend, Deduct</i>	-81.58	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.40	
26 05 36 00-0257	EA		12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	242.22	80.05
			<i>For 60 Degree Bend, Deduct</i>	-49.25	
			<i>For 30 Degree Bend, Deduct</i>	-86.52	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.55	
26 05 36 00-0258	EA		18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	290.61	103.61
			<i>For 60 Degree Bend, Deduct</i>	-56.17	
			<i>For 30 Degree Bend, Deduct</i>	-99.38	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.42	
26 05 36 00-0259	EA		24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	342.02	130.39
			<i>For 60 Degree Bend, Deduct</i>	-62.88	
			<i>For 30 Degree Bend, Deduct</i>	-112.04	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.33	
26 05 36 00-0260	EA		30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	416.06	153.07
			<i>For 60 Degree Bend, Deduct</i>	-78.62	
			<i>For 30 Degree Bend, Deduct</i>	-139.54	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0261 EA 36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	487.89	185.28
<i>For 60 Degree Bend, Deduct</i>	-89.97	
<i>For 30 Degree Bend, Deduct</i>	-160.25	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.35	
<b>26 05 36 00-0262 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)</b>		
26 05 36 00-0263 EA 6" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	216.79	73.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.56	
26 05 36 00-0264 EA 9" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	236.37	83.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.65	
26 05 36 00-0265 EA 12" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	254.33	92.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.71	
26 05 36 00-0266 EA 18" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	293.58	113.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.89	
26 05 36 00-0267 EA 24" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	325.96	130.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.73	
26 05 36 00-0268 EA 30" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	361.89	146.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.96	
26 05 36 00-0269 EA 36" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	400.86	167.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.13	
<b>26 05 36 00-0270 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)</b>		
26 05 36 00-0271 EA 6" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	261.16	76.53
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.74	
26 05 36 00-0272 EA 9" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	283.60	88.05
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.02	
26 05 36 00-0273 EA 12" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	305.34	97.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.38	
26 05 36 00-0274 EA 18" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	352.36	121.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.11	
26 05 36 00-0275 EA 24" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	392.36	140.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.49	
26 05 36 00-0276 EA 30" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	432.80	159.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.95	
26 05 36 00-0277 EA 36" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	495.64	185.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.12	
<b>26 05 36 00-0278 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0213)</b>		
26 05 36 00-0279 EA 6" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	313.61	79.98
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.70	
26 05 36 00-0280 EA 9" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	341.22	92.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.40	
26 05 36 00-0281 EA 12" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	361.72	103.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.54	
26 05 36 00-0282 EA 18" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	421.54	130.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.29	
26 05 36 00-0283 EA 24" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	461.49	153.07
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.39	
26 05 36 00-0284 EA 30" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	528.11	176.11
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.14	
26 05 36 00-0285 EA 36" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	594.62	206.92
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.22	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 36 00-0286		<b>12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>			
26 05 36 00-0287	EA	6" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	386.75		140.96
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.93		
26 05 36 00-0288	EA	9" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	418.33		153.07
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.08		
26 05 36 00-0289	EA	12" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	438.89		159.96
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.56		
26 05 36 00-0290	EA	18" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	490.71		176.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.40		
26 05 36 00-0291	EA	24" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	557.03		195.47
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.41		
26 05 36 00-0292	EA	30" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	622.00		207.29
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.93		
26 05 36 00-0293	EA	36" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	703.94		234.66
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.84		
26 05 36 00-0294		<b>24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>			
26 05 36 00-0295	EA	6" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	493.13		153.07
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.56		
26 05 36 00-0296	EA	9" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	528.97		167.81
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.92		
26 05 36 00-0297	EA	12" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	551.91		176.11
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.52		
26 05 36 00-0298	EA	18" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	604.63		195.47
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.17		
26 05 36 00-0299	EA	24" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	670.62		220.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.72		
26 05 36 00-0300	EA	30" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	722.07		234.66
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.65		
26 05 36 00-0301	EA	36" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	875.69		271.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.98		
26 05 36 00-0302		<b>36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>			
26 05 36 00-0303	EA	6" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	635.50		167.81
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.57		
26 05 36 00-0304	EA	9" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	678.29		185.28
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.39		
26 05 36 00-0305	EA	12" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	720.23		195.47
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.73		
26 05 36 00-0306	EA	18" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	790.75		220.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.73		
26 05 36 00-0307	EA	24" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	897.08		251.32
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.77		
26 05 36 00-0308	EA	30" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	973.16		271.14
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.72		
26 05 36 00-0309	EA	36" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,093.13		319.93
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-82.65		
26 05 36 00-0310		<b>12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>			
26 05 36 00-0311	EA	6" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	475.75		130.39
		<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.71		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0312 EA 9" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	486.58	135.53
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.36	
26 05 36 00-0313 EA 12" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	497.81	140.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.04	
26 05 36 00-0314 EA 18" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	522.59	153.07
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.50	
26 05 36 00-0315 EA 24" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	538.63	159.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.53	
26 05 36 00-0316 EA 30" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	583.64	176.11
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.69	
26 05 36 00-0317 EA 36" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	627.29	195.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.44	
<b>26 05 36 00-0318 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0319 EA 6" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	701.81	140.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.44	
26 05 36 00-0320 EA 9" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	718.32	146.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.60	
26 05 36 00-0321 EA 12" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	735.66	153.07
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.81	
26 05 36 00-0322 EA 18" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	773.77	167.81
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.40	
26 05 36 00-0323 EA 24" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	801.24	176.11
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.45	
26 05 36 00-0324 EA 30" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	847.16	195.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.42	
26 05 36 00-0325 EA 36" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	910.88	220.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.74	
<b>26 05 36 00-0326 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0327 EA 6" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,127.79	153.07
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-100.02	
26 05 36 00-0328 EA 9" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,150.62	159.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-101.73	
26 05 36 00-0329 EA 12" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,174.96	167.81
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-103.51	
26 05 36 00-0330 EA 18" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,215.49	185.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-106.11	
26 05 36 00-0331 EA 24" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,243.82	195.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-108.09	
26 05 36 00-0332 EA 30" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,318.88	220.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-113.54	
26 05 36 00-0333 EA 36" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,382.14	251.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-117.27	
<b>26 05 36 00-0334 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0335 EA 6" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	481.64	176.11
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.49	
26 05 36 00-0336 EA 9" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	506.03	185.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.16	
26 05 36 00-0337 EA 12" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	541.16	195.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.82	
26 05 36 00-0338 EA 18" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	581.20	207.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.85	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0339 EA 24" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	654.07	234.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.85	
26 05 36 00-0340 EA 30" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	733.88	251.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.45	
26 05 36 00-0341 EA 36" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	803.16	271.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.72	
<b>26 05 36 00-0342 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0343 EA 6" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	690.76	195.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.78	
26 05 36 00-0344 EA 9" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	721.73	207.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.90	
26 05 36 00-0345 EA 12" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	754.49	220.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.10	
26 05 36 00-0346 EA 18" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	803.67	234.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.81	
26 05 36 00-0347 EA 24" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	891.56	271.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.56	
26 05 36 00-0348 EA 30" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	958.39	293.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.38	
26 05 36 00-0349 EA 36" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,077.26	319.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.06	
<b>26 05 36 00-0350 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0351 EA 6" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	876.88	220.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.34	
26 05 36 00-0352 EA 9" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	923.80	234.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.82	
26 05 36 00-0353 EA 12" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	974.15	251.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.47	
26 05 36 00-0354 EA 18" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,063.82	271.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.79	
26 05 36 00-0355 EA 24" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,213.26	319.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-94.66	
26 05 36 00-0356 EA 30" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,322.74	351.63
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-102.97	
26 05 36 00-0357 EA 36" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,446.16	391.69
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-111.97	
<b>26 05 36 00-0358 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0359 EA 6" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	566.30	176.11
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.95	
26 05 36 00-0360 EA 9" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	594.87	185.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.04	
26 05 36 00-0361 EA 12" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	638.00	195.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.51	
26 05 36 00-0362 EA 18" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	687.41	207.36
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.46	
26 05 36 00-0363 EA 24" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	772.39	234.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.68	
26 05 36 00-0364 EA 30" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	875.85	251.40
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.63	
26 05 36 00-0365 EA 36" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	960.71	270.76
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.51	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0366				<b>24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0367	EA			6" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	854.98	195.47
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-69.21	
26 05 36 00-0368	EA			9" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	891.05	207.29
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-71.83	
26 05 36 00-0369	EA			12" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	928.90	220.14
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-74.55	
26 05 36 00-0370	EA			18" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	989.31	234.66
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-79.37	
26 05 36 00-0371	EA			24" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,089.44	271.14
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-86.35	
26 05 36 00-0372	EA			30" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,169.52	293.51
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-92.49	
26 05 36 00-0373	EA			36" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,322.06	319.93
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-105.54	
26 05 36 00-0374				<b>36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0213)</small>		
26 05 36 00-0375	EA			6" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,106.38	220.14
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-92.29	
26 05 36 00-0376	EA			9" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,163.50	234.66
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-96.79	
26 05 36 00-0377	EA			12" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,224.05	251.32
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-101.46	
26 05 36 00-0378	EA			18" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,339.22	271.14
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-111.33	
26 05 36 00-0379	EA			24" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,519.26	319.93
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-125.26	
26 05 36 00-0380	EA			30" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,654.24	351.63
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-136.12	
26 05 36 00-0381	EA			36" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,803.15	391.69
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-147.67	
26 05 36 00-0382				<b>9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings</b> <small>(26 05 36 00-0002)</small>		
26 05 36 00-0383				<b>12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0384	EA			6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	182.12	73.60
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-12.08	
26 05 36 00-0385	EA			9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	203.93	83.80
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-13.41	
26 05 36 00-0386	EA			12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	224.30	92.67
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-14.71	
26 05 36 00-0387	EA			18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	279.98	113.59
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-18.53	
26 05 36 00-0388	EA			24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	319.35	130.39
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-21.07	
26 05 36 00-0389	EA			30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	378.70	146.75
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-25.64	
26 05 36 00-0390	EA			36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	436.34	167.74
				<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-29.66	
26 05 36 00-0391				<b>24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		

**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0392	EA		6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	250.35	76.53
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-18.66	
26 05 36 00-0393	EA		9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	273.19	87.98
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-19.99	
26 05 36 00-0394	EA		12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	294.34	97.82
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-21.28	
26 05 36 00-0395	EA		18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	344.15	121.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-24.29	
26 05 36 00-0396	EA		24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	386.93	140.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-26.95	
26 05 36 00-0397	EA		30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	431.91	159.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-29.86	
26 05 36 00-0398	EA		36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	505.27	185.28
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-35.09	
<b>26 05 36 00-0399</b>			<b>36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0392)</small>		
26 05 36 00-0400	EA		6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	269.32	79.98
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-20.27	
26 05 36 00-0401	EA		9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	297.83	92.60
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-22.07	
26 05 36 00-0402	EA		12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	322.91	103.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-23.65	
26 05 36 00-0403	EA		18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	389.24	130.39
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-28.06	
26 05 36 00-0404	EA		24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	444.02	153.07
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-31.65	
26 05 36 00-0405	EA		30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	520.17	176.11
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-37.34	
26 05 36 00-0406	EA		36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	592.26	206.92
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-41.99	
<b>26 05 36 00-0407</b>			<b>12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0392)</small>		
26 05 36 00-0408	EA		6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	135.15	53.34
			<i>For 60 Degree Bend, Deduct</i> .....	-24.16	
			<i>For 30 Degree Bend, Deduct</i> .....	-43.23	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-9.07	
26 05 36 00-0409	EA		9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	154.76	63.98
			<i>For 60 Degree Bend, Deduct</i> .....	-26.56	
			<i>For 30 Degree Bend, Deduct</i> .....	-47.81	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-10.15	
26 05 36 00-0410	EA		12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	172.36	73.38
			<i>For 60 Degree Bend, Deduct</i> .....	-28.75	
			<i>For 30 Degree Bend, Deduct</i> .....	-51.99	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-11.12	
26 05 36 00-0411	EA		18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	207.43	92.74
			<i>For 60 Degree Bend, Deduct</i> .....	-32.91	
			<i>For 30 Degree Bend, Deduct</i> .....	-60.00	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-13.02	
26 05 36 00-0412	EA		24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	257.31	113.59
			<i>For 60 Degree Bend, Deduct</i> .....	-41.37	
			<i>For 30 Degree Bend, Deduct</i> .....	-75.26	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-16.27	
26 05 36 00-0413	EA		30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	304.24	130.39
			<i>For 60 Degree Bend, Deduct</i> .....	-50.41	
			<i>For 30 Degree Bend, Deduct</i> .....	-91.26	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-19.56	
26 05 36 00-0414	EA		36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	345.80	153.07
			<i>For 60 Degree Bend, Deduct</i> .....	-55.43	
			<i>For 30 Degree Bend, Deduct</i> .....	-100.89	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-21.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 36 00-0415</b> <b>24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0416    EA    6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	150.23	55.03
<i>For 60 Degree Bend, Deduct</i> .....	-28.49	
<i>For 30 Degree Bend, Deduct</i> .....	-50.54	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-10.44	
26 05 36 00-0417    EA    9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	172.91	66.34
<i>For 60 Degree Bend, Deduct</i> .....	-31.63	
<i>For 30 Degree Bend, Deduct</i> .....	-56.40	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-11.76	
26 05 36 00-0418    EA    12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	197.55	76.60
<i>For 60 Degree Bend, Deduct</i> .....	-35.83	
<i>For 30 Degree Bend, Deduct</i> .....	-63.97	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-13.37	
26 05 36 00-0419    EA    18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	234.84	97.82
<i>For 60 Degree Bend, Deduct</i> .....	-39.99	
<i>For 30 Degree Bend, Deduct</i> .....	-72.09	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-15.33	
26 05 36 00-0420    EA    24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	289.37	121.52
<i>For 60 Degree Bend, Deduct</i> .....	-48.92	
<i>For 30 Degree Bend, Deduct</i> .....	-88.29	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-18.81	
26 05 36 00-0421    EA    30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	338.77	140.96
<i>For 60 Degree Bend, Deduct</i> .....	-57.77	
<i>For 30 Degree Bend, Deduct</i> .....	-104.12	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-22.13	
26 05 36 00-0422    EA    36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	398.64	167.81
<i>For 60 Degree Bend, Deduct</i> .....	-67.23	
<i>For 30 Degree Bend, Deduct</i> .....	-121.38	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-25.88	
<b>26 05 36 00-0423</b> <b>36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0424    EA    6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	178.66	56.79
<i>For 60 Degree Bend, Deduct</i> .....	-37.20	
<i>For 30 Degree Bend, Deduct</i> .....	-65.15	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-13.14	
26 05 36 00-0425    EA    9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	203.72	68.97
<i>For 60 Degree Bend, Deduct</i> .....	-40.79	
<i>For 30 Degree Bend, Deduct</i> .....	-71.82	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-14.63	
26 05 36 00-0426    EA    12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	224.09	80.05
<i>For 60 Degree Bend, Deduct</i> .....	-43.26	
<i>For 30 Degree Bend, Deduct</i> .....	-76.55	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-15.74	
26 05 36 00-0427    EA    18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	270.96	103.61
<i>For 60 Degree Bend, Deduct</i> .....	-49.69	
<i>For 30 Degree Bend, Deduct</i> .....	-88.57	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-18.46	
26 05 36 00-0428    EA    24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	321.24	130.39
<i>For 60 Degree Bend, Deduct</i> .....	-56.02	
<i>For 30 Degree Bend, Deduct</i> .....	-100.61	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-21.26	
26 05 36 00-0429    EA    30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	389.24	153.07
<i>For 60 Degree Bend, Deduct</i> .....	-69.77	
<i>For 30 Degree Bend, Deduct</i> .....	-124.79	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-26.17	
26 05 36 00-0430    EA    36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	458.05	185.28
<i>For 60 Degree Bend, Deduct</i> .....	-80.13	
<i>For 30 Degree Bend, Deduct</i> .....	-143.84	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-30.36	
<b>26 05 36 00-0431</b> <b>12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		



**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0432 EA 6" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....204.47	204.47	73.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-14.33	-14.33	
26 05 36 00-0433 EA 9" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....223.76	223.76	83.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-15.39	-15.39	
26 05 36 00-0434 EA 12" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....241.30	241.30	92.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-16.41	-16.41	
26 05 36 00-0435 EA 18" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....279.98	279.98	113.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-18.53	-18.53	
26 05 36 00-0436 EA 24" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....311.79	311.79	130.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-20.31	-20.31	
26 05 36 00-0437 EA 30" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....346.59	346.59	146.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-22.43	-22.43	
26 05 36 00-0438 EA 36" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....385.00	385.00	167.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-24.54	-24.54	
<b>26 05 36 00-0439 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small></b>		
26 05 36 00-0440 EA 6" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....243.74	243.74	76.53
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-18.00	-18.00	
26 05 36 00-0441 EA 9" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....265.75	265.75	88.05
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-19.24	-19.24	
26 05 36 00-0442 EA 12" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....286.78	286.78	97.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-20.53	-20.53	
26 05 36 00-0443 EA 18" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....332.81	332.81	121.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-23.16	-23.16	
26 05 36 00-0444 EA 24" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....371.82	371.82	140.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-25.44	-25.44	
26 05 36 00-0445 EA 30" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....411.13	411.13	159.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-27.78	-27.78	
26 05 36 00-0446 EA 36" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....471.27	471.27	185.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-31.69	-31.69	
<b>26 05 36 00-0447 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small></b>		
26 05 36 00-0448 EA 6" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....290.10	290.10	79.98
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-22.34	-22.34	
26 05 36 00-0449 EA 9" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....316.85	316.85	92.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-23.96	-23.96	
26 05 36 00-0450 EA 12" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....337.07	337.07	103.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-25.07	-25.07	
26 05 36 00-0451 EA 18" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....394.90	394.90	130.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-28.62	-28.62	
26 05 36 00-0452 EA 24" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....434.57	434.57	153.07
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-30.70	-30.70	
26 05 36 00-0453 EA 30" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....497.51	497.51	176.11
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-35.08	-35.08	
26 05 36 00-0454 EA 36" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....562.04	562.04	206.92
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-38.96	-38.96	
<b>26 05 36 00-0455 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting <small>(26 05 36 00-0382)</small></b>		
26 05 36 00-0456 EA 6" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....361.43	361.43	140.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-24.40	-24.40	
26 05 36 00-0457 EA 9" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....391.13	391.13	153.07
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....-26.36	-26.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0458 EA 12" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	410.18	159.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.69	
26 05 36 00-0459 EA 18" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	457.84	176.11
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.11	
26 05 36 00-0460 EA 24" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	518.49	195.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.56	
26 05 36 00-0461 EA 30" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	575.91	207.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.32	
26 05 36 00-0462 EA 36" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	651.80	234.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.62	
<b>26 05 36 00-0463 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0464 EA 6" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	453.46	153.07
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.59	
26 05 36 00-0465 EA 9" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	487.42	167.81
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.76	
26 05 36 00-0466 EA 12" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	508.84	176.11
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.21	
26 05 36 00-0467 EA 18" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	558.16	195.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.52	
26 05 36 00-0468 EA 24" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	620.00	220.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.66	
26 05 36 00-0469 EA 30" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	666.92	234.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.14	
26 05 36 00-0470 EA 36" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	805.05	271.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.91	
<b>26 05 36 00-0471 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0472 EA 6" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	576.19	167.81
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.64	
26 05 36 00-0473 EA 9" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	616.72	185.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.23	
26 05 36 00-0474 EA 12" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	654.49	195.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.16	
26 05 36 00-0475 EA 18" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	720.11	220.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.67	
26 05 36 00-0476 EA 24" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	817.37	251.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.80	
26 05 36 00-0477 EA 30" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	886.27	271.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-66.04	
26 05 36 00-0478 EA 36" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	999.82	319.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.32	
<b>26 05 36 00-0479 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0480 EA 6" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	432.68	130.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.40	
26 05 36 00-0481 EA 9" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	443.14	135.53
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.02	
26 05 36 00-0482 EA 12" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	453.99	140.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.66	
26 05 36 00-0483 EA 18" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	478.02	153.07
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.05	
26 05 36 00-0484 EA 24" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	493.29	159.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.00	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0485	EA		30" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	535.29	176.11
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.85	
26 05 36 00-0486	EA		36" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	577.05	195.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.41	
<b>26 05 36 00-0487</b>			<b>24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0488	EA		6" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	623.99	140.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.66	
26 05 36 00-0489	EA		9" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	639.36	146.75
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.71	
26 05 36 00-0490	EA		12" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	655.57	153.07
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.80	
26 05 36 00-0491	EA		18" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	691.41	167.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.16	
26 05 36 00-0492	EA		24" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	716.62	176.11
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.99	
26 05 36 00-0493	EA		30" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	760.27	195.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.74	
26 05 36 00-0494	EA		36" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	820.22	220.14
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.68	
<b>26 05 36 00-0495</b>			<b>36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0496	EA		6" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	982.34	153.07
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.48	
26 05 36 00-0497	EA		9" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,003.29	159.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-87.00	
26 05 36 00-0498	EA		12" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,025.74	167.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-88.59	
26 05 36 00-0499	EA		18" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,064.38	185.28
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-91.00	
26 05 36 00-0500	EA		24" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,090.82	195.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-92.79	
26 05 36 00-0501	EA		30" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,160.22	220.14
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-97.68	
26 05 36 00-0502	EA		36" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,221.59	251.32
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-101.22	
<b>26 05 36 00-0503</b>			<b>12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0504	EA		6" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	450.29	176.11
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.35	
26 05 36 00-0505	EA		9" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	473.16	185.28
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.87	
26 05 36 00-0506	EA		12" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	505.27	195.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.24	
26 05 36 00-0507	EA		18" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	541.91	207.29
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.92	
26 05 36 00-0508	EA		24" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	610.25	234.66
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.47	
26 05 36 00-0509	EA		30" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	681.37	251.32
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.20	
26 05 36 00-0510	EA		36" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	744.60	271.14
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.87	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0511			<b>24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0512	EA		6" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	629.94	195.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.70	
26 05 36 00-0513	EA		9" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	659.02	207.29
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.63	
26 05 36 00-0514	EA		12" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	689.89	220.14
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.64	
26 05 36 00-0515	EA		18" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	734.91	234.66
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.93	
26 05 36 00-0516	EA		24" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	818.27	271.14
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.24	
26 05 36 00-0517	EA		30" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	880.19	293.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.56	
26 05 36 00-0518	EA		36" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	986.60	319.93
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.00	
26 05 36 00-0519			<b>36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0520	EA		6" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	791.89	220.14
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.84	
26 05 36 00-0521	EA		9" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	835.02	234.66
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-63.95	
26 05 36 00-0522	EA		12" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	881.59	251.32
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.22	
26 05 36 00-0523	EA		18" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	961.82	271.14
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.59	
26 05 36 00-0524	EA		24" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,099.93	319.93
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.33	
26 05 36 00-0525	EA		30" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,199.96	351.63
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-90.69	
26 05 36 00-0526	EA		36" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,313.93	391.69
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-98.75	
26 05 36 00-0527			<b>12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0528	EA		6" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	520.84	176.11
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.41	
26 05 36 00-0529	EA		9" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	547.21	185.35
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.27	
26 05 36 00-0530	EA		12" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	585.96	195.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.31	
26 05 36 00-0531	EA		18" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	630.44	207.36
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.76	
26 05 36 00-0532	EA		24" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	708.85	234.66
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.33	
26 05 36 00-0533	EA		30" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	799.71	251.40
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.02	
26 05 36 00-0534	EA		36" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	875.80	270.76
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.02	
26 05 36 00-0535			<b>24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0536	EA		6" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	766.79	195.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.39	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0537 EA 9" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	800.12	207.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.74	
26 05 36 00-0538 EA 12" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	835.24	220.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.18	
26 05 36 00-0539 EA 18" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	889.61	234.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.40	
26 05 36 00-0540 EA 24" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	983.17	271.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.73	
26 05 36 00-0541 EA 30" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,056.13	293.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.15	
26 05 36 00-0542 EA 36" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,190.60	319.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-92.40	
<b>26 05 36 00-0543 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0382)</small>		
26 05 36 00-0544 EA 6" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	983.13	220.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.97	
26 05 36 00-0545 EA 9" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,034.77	234.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.92	
26 05 36 00-0546 EA 12" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,089.84	251.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-88.04	
26 05 36 00-0547 EA 18" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,191.32	271.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-96.54	
26 05 36 00-0548 EA 24" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,354.93	319.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-108.83	
26 05 36 00-0549 EA 30" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,476.21	351.63
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-118.32	
26 05 36 00-0550 EA 36" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,611.43	391.69
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-128.50	
<b>26 05 36 00-0551 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings</b> <small>(26 05 36 00-0002)</small>		
<b>26 05 36 00-0552 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0553 EA 6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	177.95	73.60
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.66	
26 05 36 00-0554 EA 9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	199.44	83.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.96	
26 05 36 00-0555 EA 12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	219.41	92.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.22	
26 05 36 00-0556 EA 18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	273.63	113.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.90	
26 05 36 00-0557 EA 24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	312.21	130.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.35	
26 05 36 00-0558 EA 30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	369.31	146.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.70	
26 05 36 00-0559 EA 36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	425.36	167.74
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.56	
<b>26 05 36 00-0560 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0561 EA 6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	241.75	76.53
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.80	
26 05 36 00-0562 EA 9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	264.34	87.98
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0563 EA 12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	285.15	97.82
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.36	
26 05 36 00-0564 EA 18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	334.23	121.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.30	
26 05 36 00-0565 EA 24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	376.29	140.96
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.89	
26 05 36 00-0566 EA 30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	420.34	159.96
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.70	
26 05 36 00-0567 EA 36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	491.52	185.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.71	
<b>26 05 36 00-0568 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)</b>		
26 05 36 00-0569 EA 6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	259.80	79.98
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.31	
26 05 36 00-0570 EA 9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	287.79	92.60
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.07	
26 05 36 00-0571 EA 12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	312.39	103.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.60	
26 05 36 00-0572 EA 18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	377.21	130.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.85	
26 05 36 00-0573 EA 24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	430.79	153.07
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.32	
26 05 36 00-0574 EA 30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	504.31	176.11
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.76	
26 05 36 00-0575 EA 36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	574.94	206.92
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.25	
<b>26 05 36 00-0576 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)</b>		
26 05 36 00-0577 EA 6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	131.91	53.34
For 60 Degree Bend, Deduct	-23.09	
For 30 Degree Bend, Deduct	-41.45	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-8.75	
26 05 36 00-0578 EA 9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	151.38	63.98
For 60 Degree Bend, Deduct	-25.44	
For 30 Degree Bend, Deduct	-45.95	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-9.81	
26 05 36 00-0579 EA 12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	168.85	73.38
For 60 Degree Bend, Deduct	-27.59	
For 30 Degree Bend, Deduct	-50.06	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-10.77	
26 05 36 00-0580 EA 18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	203.73	92.74
For 60 Degree Bend, Deduct	-31.69	
For 30 Degree Bend, Deduct	-57.96	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.65	
26 05 36 00-0581 EA 24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	252.55	113.59
For 60 Degree Bend, Deduct	-39.80	
For 30 Degree Bend, Deduct	-72.64	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-15.79	
26 05 36 00-0582 EA 30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	298.16	130.39
For 60 Degree Bend, Deduct	-48.40	
For 30 Degree Bend, Deduct	-87.92	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.95	
26 05 36 00-0583 EA 36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	339.45	153.07
For 60 Degree Bend, Deduct	-53.34	
For 30 Degree Bend, Deduct	-97.40	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.19	
<b>26 05 36 00-0584 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)</b>		

**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0585	EA		6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	146.13	55.03
			<i>For 60 Degree Bend, Deduct</i> .....	-27.14	
			<i>For 30 Degree Bend, Deduct</i> .....	-48.29	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-10.03	
26 05 36 00-0586	EA		9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	168.55	66.34
			<i>For 60 Degree Bend, Deduct</i> .....	-30.19	
			<i>For 30 Degree Bend, Deduct</i> .....	-54.00	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-11.33	
26 05 36 00-0587	EA		12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	192.66	76.60
			<i>For 60 Degree Bend, Deduct</i> .....	-34.22	
			<i>For 30 Degree Bend, Deduct</i> .....	-61.28	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-12.88	
26 05 36 00-0588	EA		18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	229.81	97.82
			<i>For 60 Degree Bend, Deduct</i> .....	-38.33	
			<i>For 30 Degree Bend, Deduct</i> .....	-69.32	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-14.83	
26 05 36 00-0589	EA		24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	283.29	121.52
			<i>For 60 Degree Bend, Deduct</i> .....	-46.92	
			<i>For 30 Degree Bend, Deduct</i> .....	-84.94	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-18.21	
26 05 36 00-0590	EA		30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	331.50	140.96
			<i>For 60 Degree Bend, Deduct</i> .....	-55.37	
			<i>For 30 Degree Bend, Deduct</i> .....	-100.12	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-21.41	
26 05 36 00-0591	EA		36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	390.31	167.81
			<i>For 60 Degree Bend, Deduct</i> .....	-64.49	
			<i>For 30 Degree Bend, Deduct</i> .....	-116.80	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-25.05	
26 05 36 00-0592			<b>36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0591)</small>		
26 05 36 00-0593	EA		6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	172.78	56.79
			<i>For 60 Degree Bend, Deduct</i> .....	-35.26	
			<i>For 30 Degree Bend, Deduct</i> .....	-61.92	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-12.55	
26 05 36 00-0594	EA		9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	197.50	68.97
			<i>For 60 Degree Bend, Deduct</i> .....	-38.74	
			<i>For 30 Degree Bend, Deduct</i> .....	-68.40	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-14.00	
26 05 36 00-0595	EA		12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	217.74	80.05
			<i>For 60 Degree Bend, Deduct</i> .....	-41.17	
			<i>For 30 Degree Bend, Deduct</i> .....	-73.06	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-15.10	
26 05 36 00-0596	EA		18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	264.09	103.61
			<i>For 60 Degree Bend, Deduct</i> .....	-47.42	
			<i>For 30 Degree Bend, Deduct</i> .....	-84.79	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-17.77	
26 05 36 00-0597	EA		24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	313.97	130.39
			<i>For 60 Degree Bend, Deduct</i> .....	-53.62	
			<i>For 30 Degree Bend, Deduct</i> .....	-96.61	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-20.53	
26 05 36 00-0598	EA		30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	379.85	153.07
			<i>For 60 Degree Bend, Deduct</i> .....	-66.67	
			<i>For 30 Degree Bend, Deduct</i> .....	-119.62	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-25.23	
26 05 36 00-0599	EA		36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	447.61	185.28
			<i>For 60 Degree Bend, Deduct</i> .....	-76.68	
			<i>For 30 Degree Bend, Deduct</i> .....	-138.10	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-29.32	
26 05 36 00-0600			<b>12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0591)</small>		
26 05 36 00-0601	EA		6" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	198.71	73.38
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-13.76	
26 05 36 00-0602	EA		9" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	217.88	83.80
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> .....	-14.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0603 EA 12" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	235.22	92.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.80	
26 05 36 00-0604 EA 18" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	273.63	113.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.90	
26 05 36 00-0605 EA 24" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	305.18	130.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.65	
26 05 36 00-0606 EA 30" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	339.45	146.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.72	
26 05 36 00-0607 EA 36" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	377.59	167.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.80	
<b>26 05 36 00-0608 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0609 EA 6" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	235.60	76.53
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.18	
26 05 36 00-0610 EA 9" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	257.42	88.05
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.40	
26 05 36 00-0611 EA 12" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	278.12	97.82
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.66	
26 05 36 00-0612 EA 18" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	323.69	121.52
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.25	
26 05 36 00-0613 EA 24" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	362.24	140.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.48	
26 05 36 00-0614 EA 30" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	401.01	159.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.77	
26 05 36 00-0615 EA 36" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	459.90	185.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.55	
<b>26 05 36 00-0616 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0617 EA 6" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	279.12	79.98
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.25	
26 05 36 00-0618 EA 9" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	305.48	92.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.83	
26 05 36 00-0619 EA 12" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	325.57	103.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.92	
26 05 36 00-0620 EA 18" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	382.47	130.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.38	
26 05 36 00-0621 EA 24" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	422.01	153.07
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.44	
26 05 36 00-0622 EA 30" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	483.23	176.11
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.65	
26 05 36 00-0623 EA 36" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	546.83	206.92
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.44	
<b>26 05 36 00-0624 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0625 EA 6" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	348.78	140.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.13	
26 05 36 00-0626 EA 9" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	377.53	153.07
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.00	
26 05 36 00-0627 EA 12" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	395.83	159.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.25	
26 05 36 00-0628 EA 18" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	441.41	176.11
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.47	
26 05 36 00-0629 EA 24" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting .....	499.23	195.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.63	



**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0630 EA 30" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	552.87	207.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.01	
26 05 36 00-0631 EA 36" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	625.74	234.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.02	
<b>26 05 36 00-0632 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)</b>		
26 05 36 00-0633 EA 6" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	433.63	153.07
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.61	
26 05 36 00-0634 EA 9" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	466.64	167.81
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.68	
26 05 36 00-0635 EA 12" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	487.31	176.11
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.06	
26 05 36 00-0636 EA 18" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	534.93	195.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.20	
26 05 36 00-0637 EA 24" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	594.69	220.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.12	
26 05 36 00-0638 EA 30" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	639.34	234.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.38	
26 05 36 00-0639 EA 36" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	769.73	271.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.38	
<b>26 05 36 00-0640 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)</b>		
26 05 36 00-0641 EA 6" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	546.54	167.81
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.67	
26 05 36 00-0642 EA 9" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	585.93	185.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.15	
26 05 36 00-0643 EA 12" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	621.63	195.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.87	
26 05 36 00-0644 EA 18" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	684.79	220.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.13	
26 05 36 00-0645 EA 24" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	777.52	251.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.81	
26 05 36 00-0646 EA 30" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	842.83	271.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.69	
26 05 36 00-0647 EA 36" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	953.17	319.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.65	
<b>26 05 36 00-0648 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting (26 05 36 00-0551)</b>		
26 05 36 00-0649 EA 6" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	411.15	130.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.25	
26 05 36 00-0650 EA 9" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	421.42	135.53
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.85	
26 05 36 00-0651 EA 12" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	432.08	140.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.46	
26 05 36 00-0652 EA 18" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	455.73	153.07
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.82	
26 05 36 00-0653 EA 24" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	470.63	159.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.73	
26 05 36 00-0654 EA 30" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	511.11	176.11
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.44	
26 05 36 00-0655 EA 36" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	551.93	195.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 36 00-0656</b> <b>24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0657     EA     6" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	585.08	140.96
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.76	
26 05 36 00-0658     EA     9" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	599.89	146.75
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-47.76	
26 05 36 00-0659     EA     12" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	615.53	153.07
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.80	
26 05 36 00-0660     EA     18" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	650.24	167.81
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-51.04	
26 05 36 00-0661     EA     24" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	674.31	176.11
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.76	
26 05 36 00-0662     EA     30" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	716.83	195.47
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-55.39	
26 05 36 00-0663     EA     36" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	774.89	220.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-59.14	
<b>26 05 36 00-0664</b> <b>36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0665     EA     6" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	909.62	153.07
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-78.21	
26 05 36 00-0666     EA     9" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	929.62	159.96
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-79.63	
26 05 36 00-0667     EA     12" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	951.13	167.81
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-81.13	
26 05 36 00-0668     EA     18" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	988.82	185.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-83.44	
26 05 36 00-0669     EA     24" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,014.32	195.47
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-85.14	
26 05 36 00-0670     EA     30" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,080.88	220.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-89.74	
26 05 36 00-0671     EA     36" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,141.31	251.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-93.19	
<b>26 05 36 00-0672</b> <b>12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0673     EA     6" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	434.61	176.11
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.79	
26 05 36 00-0674     EA     9" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	456.73	185.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.23	
26 05 36 00-0675     EA     12" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	487.33	195.47
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.44	
26 05 36 00-0676     EA     18" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	522.27	207.29
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.95	
26 05 36 00-0677     EA     24" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	588.34	234.66
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.28	
26 05 36 00-0678     EA     30" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	655.12	251.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.57	
26 05 36 00-0679     EA     36" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	715.33	271.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.94	
<b>26 05 36 00-0680</b> <b>24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0681     EA     6" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	599.53	195.47
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.66	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0682	EA		9" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	627.67	207.29
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.49	
26 05 36 00-0683	EA		12" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	657.59	220.14
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.41	
26 05 36 00-0684	EA		18" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	700.54	234.66
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.50	
26 05 36 00-0685	EA		24" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	781.63	271.14
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.57	
26 05 36 00-0686	EA		30" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	841.09	293.51
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.65	
26 05 36 00-0687	EA		36" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	941.27	319.93
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-67.46	
<b>26 05 36 00-0688</b>			<b>36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0689	EA		6" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	749.39	220.14
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.59	
26 05 36 00-0690	EA		9" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	790.64	234.66
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.51	
26 05 36 00-0691	EA		12" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	835.32	251.32
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.59	
26 05 36 00-0692	EA		18" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	910.83	271.14
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.49	
26 05 36 00-0693	EA		24" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,043.26	319.93
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.66	
26 05 36 00-0694	EA		30" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,138.57	351.63
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.55	
26 05 36 00-0695	EA		36" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,247.82	391.69
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-92.14	
<b>26 05 36 00-0696</b>			<b>12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0697	EA		6" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	498.10	176.11
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.13	
26 05 36 00-0698	EA		9" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	523.38	185.35
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.89	
26 05 36 00-0699	EA		12" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	559.94	195.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.71	
26 05 36 00-0700	EA		18" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	601.96	207.36
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.92	
26 05 36 00-0701	EA		24" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	677.08	234.66
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.15	
26 05 36 00-0702	EA		30" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	761.64	251.40
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.21	
26 05 36 00-0703	EA		36" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	833.35	270.76
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.77	
<b>26 05 36 00-0704</b>			<b>24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0705	EA		6" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	722.69	195.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.98	
26 05 36 00-0706	EA		9" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	754.66	207.29
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.19	
26 05 36 00-0707	EA		12" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	788.40	220.14
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.50	
26 05 36 00-0708	EA		18" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	839.77	234.66
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0709 EA 24" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	930.04	271.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.41	
26 05 36 00-0710 EA 30" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	999.44	293.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.48	
26 05 36 00-0711 EA 36" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,124.86	319.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-85.82	
<b>26 05 36 00-0712 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting</b> <small>(26 05 36 00-0551)</small>		
26 05 36 00-0713 EA 6" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	921.51	220.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.81	
26 05 36 00-0714 EA 9" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	970.41	234.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.48	
26 05 36 00-0715 EA 12" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,022.74	251.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.33	
26 05 36 00-0716 EA 18" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,117.37	271.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-89.15	
26 05 36 00-0717 EA 24" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,272.76	319.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-100.61	
26 05 36 00-0718 EA 30" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,387.20	351.63
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-109.42	
26 05 36 00-0719 EA 36" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting.....	1,515.57	391.69
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-118.92	
<b>26 05 36 00-0720 Dropout Or End Plates And Reducers</b> <small>(26 05 36 00-0002)</small>		
<b>26 05 36 00-0721 Straight Reducers</b> <small>(26 05 36 00-0720)</small>		
26 05 36 00-0722 EA 9"-6" Reducer, Steel Cable Tray.....	177.17	54.16
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.20	
26 05 36 00-0723 EA 12"-9" Reducer, Steel Cable Tray.....	186.52	58.63
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.77	
26 05 36 00-0724 EA 18"-12" Reducer, Steel Cable Tray.....	201.60	67.65
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.52	
26 05 36 00-0725 EA 24"-18" Reducer, Steel Cable Tray.....	221.14	78.30
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.59	
26 05 36 00-0726 EA 30"-24" Reducer, Steel Cable Tray.....	239.30	88.05
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.59	
26 05 36 00-0727 EA 36"-30" Reducer, Steel Cable Tray.....	271.57	100.60
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.77	
<b>26 05 36 00-0728 Reducers</b> <small>(26 05 36 00-0720)</small>		
26 05 36 00-0729 EA 18"-6" Reducer, Steel Cable Tray.....	205.44	67.73
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.90	
26 05 36 00-0730 EA 24"-12" Reducer, Steel Cable Tray.....	225.10	78.37
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.98	
26 05 36 00-0731 EA 30"-12" Reducer, Steel Cable Tray.....	246.75	87.98
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.34	
26 05 36 00-0732 EA 30"-18" Reducer, Steel Cable Tray.....	250.41	87.90
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.72	
26 05 36 00-0733 EA 36"-12" Reducer, Steel Cable Tray.....	273.46	100.60
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.96	
26 05 36 00-0734 EA 36"-18" Reducer, Steel Cable Tray.....	281.64	103.24
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.56	
26 05 36 00-0735 EA 36"-24" Reducer, Steel Cable Tray.....	290.92	106.55
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.21	
<b>26 05 36 00-0736 Dropout Or End Plate</b> <small>(26 05 36 00-0720)</small>		
26 05 36 00-0737 EA 6" Dropout Or End Plate, Steel Cable Tray.....	46.42	22.02
26 05 36 00-0738 EA 9" Dropout Or End Plate, Steel Cable Tray.....	53.34	25.16
26 05 36 00-0739 EA 12" Dropout Or End Plate, Steel Cable Tray.....	57.59	27.08
26 05 36 00-0740 EA 18" Dropout Or End Plate, Steel Cable Tray.....	67.98	31.99
26 05 36 00-0741 EA 24" Dropout Or End Plate, Steel Cable Tray.....	76.46	35.22
26 05 36 00-0742 EA 30" Dropout Or End Plate, Steel Cable Tray.....	84.69	39.11
26 05 36 00-0743 EA 36" Dropout Or End Plate, Steel Cable Tray.....	95.67	44.03
<b>26 05 36 00-0744 Ladder Bottom Aluminum Cable Tray</b> <small>(26 05 36 00-0001)</small>		
Note: 4-5/8" Height		

**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0745			<b>Straight Tray Sections</b> (26 05 36 00-0744)		
26 05 36 00-0746			<b>4" Rung Spacing</b> (26 05 36 00-0745)		
26 05 36 00-0747	LF		6" Aluminum Cable Tray, 4" Rung Spacing, Straight Section .....	36.49	5.13
			For Class 12C Instead Of Class 12B, Add	4.61	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.22	
			For 6" Overall Height Instead Of 4-5/8", Add	1.82	
26 05 36 00-0748	LF		9" Aluminum Cable Tray, 4" Rung Spacing, Straight Section .....	38.55	5.43
			For Class 12C Instead Of Class 12B, Add	4.88	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.40	
			For 6" Overall Height Instead Of 4-5/8", Add	1.93	
26 05 36 00-0749	LF		12" Aluminum Cable Tray, 4" Rung Spacing, Straight Section .....	40.60	5.65
			For Class 12C Instead Of Class 12B, Add	5.15	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.59	
			For 6" Overall Height Instead Of 4-5/8", Add	2.03	
26 05 36 00-0750	LF		18" Aluminum Cable Tray, 4" Rung Spacing, Straight Section .....	45.03	6.17
			For Class 12C Instead Of Class 12B, Add	5.72	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.99	
			For 6" Overall Height Instead Of 4-5/8", Add	2.25	
26 05 36 00-0751	LF		24" Aluminum Cable Tray, 4" Rung Spacing, Straight Section .....	51.50	6.61
			For Class 12C Instead Of Class 12B, Add	6.63	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-4.60	
			For 6" Overall Height Instead Of 4-5/8", Add	2.58	
26 05 36 00-0752	LF		30" Aluminum Cable Tray, 4" Rung Spacing, Straight Section .....	56.33	7.05
			For Class 12C Instead Of Class 12B, Add	7.28	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-5.05	
			For 6" Overall Height Instead Of 4-5/8", Add	2.82	
26 05 36 00-0753	LF		36" Aluminum Cable Tray, 4" Rung Spacing, Straight Section .....	60.67	7.49
			For Class 12C Instead Of Class 12B, Add	7.85	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-5.44	
			For 6" Overall Height Instead Of 4-5/8", Add	3.03	
26 05 36 00-0754			<b>6" Rung Spacing</b> (26 05 36 00-0745)		
26 05 36 00-0755	LF		6" Aluminum Cable Tray, 6" Rung Spacing, Straight Section .....	33.95	5.13
			For Class 12C Instead Of Class 12B, Add	4.23	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.97	
			For 6" Overall Height Instead Of 4-5/8", Add	1.70	
26 05 36 00-0756	LF		9" Aluminum Cable Tray, 6" Rung Spacing, Straight Section .....	35.86	5.43
			For Class 12C Instead Of Class 12B, Add	4.48	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.14	
			For 6" Overall Height Instead Of 4-5/8", Add	1.79	
26 05 36 00-0757	LF		12" Aluminum Cable Tray, 6" Rung Spacing, Straight Section .....	37.77	5.65
			For Class 12C Instead Of Class 12B, Add	4.72	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.31	
			For 6" Overall Height Instead Of 4-5/8", Add	1.89	
26 05 36 00-0758	LF		18" Aluminum Cable Tray, 6" Rung Spacing, Straight Section .....	41.87	6.17
			For Class 12C Instead Of Class 12B, Add	5.25	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.67	
			For 6" Overall Height Instead Of 4-5/8", Add	2.09	
26 05 36 00-0759	LF		24" Aluminum Cable Tray, 6" Rung Spacing, Straight Section .....	47.81	6.61
			For Class 12C Instead Of Class 12B, Add	6.08	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-4.23	
			For 6" Overall Height Instead Of 4-5/8", Add	2.39	
26 05 36 00-0760	LF		30" Aluminum Cable Tray, 6" Rung Spacing, Straight Section .....	52.28	7.05
			For Class 12C Instead Of Class 12B, Add	6.67	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-4.64	
			For 6" Overall Height Instead Of 4-5/8", Add	2.61	
26 05 36 00-0761	LF		36" Aluminum Cable Tray, 6" Rung Spacing, Straight Section .....	56.29	7.49
			For Class 12C Instead Of Class 12B, Add	7.19	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-5.00	
			For 6" Overall Height Instead Of 4-5/8", Add	2.81	
26 05 36 00-0762			<b>9" Rung Spacing</b> (26 05 36 00-0745)		
26 05 36 00-0763	LF		6" Aluminum Cable Tray, 9" Rung Spacing, Straight Section .....	30.50	4.91
			For Class 12C Instead Of Class 12B, Add	3.75	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.64	
			For 6" Overall Height Instead Of 4-5/8", Add	1.53	
26 05 36 00-0764	LF		9" Aluminum Cable Tray, 9" Rung Spacing, Straight Section .....	30.98	5.13
			For Class 12C Instead Of Class 12B, Add	3.79	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.67	
			For 6" Overall Height Instead Of 4-5/8", Add	1.55	
26 05 36 00-0765	LF		12" Aluminum Cable Tray, 9" Rung Spacing, Straight Section .....	33.12	5.43
			For Class 12C Instead Of Class 12B, Add	4.07	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-2.86	
			For 6" Overall Height Instead Of 4-5/8", Add	1.66	
26 05 36 00-0766	LF		18" Aluminum Cable Tray, 9" Rung Spacing, Straight Section .....	35.39	5.79
			For Class 12C Instead Of Class 12B, Add	4.34	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.06	
			For 6" Overall Height Instead Of 4-5/8", Add	1.77	
26 05 36 00-0767	LF		24" Aluminum Cable Tray, 9" Rung Spacing, Straight Section .....	39.70	6.02
			For Class 12C Instead Of Class 12B, Add	4.95	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-3.47	
			For 6" Overall Height Instead Of 4-5/8", Add	1.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0768 LF 30" Aluminum Cable Tray, 9" Rung Spacing, Straight Section .....	43.85	6.46
<i>For Class 12C Instead Of Class 12B, Add</i>	5.50	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.84	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2.19	
26 05 36 00-0769 LF 36" Aluminum Cable Tray, 9" Rung Spacing, Straight Section .....	46.64	7.05
<i>For Class 12C Instead Of Class 12B, Add</i>	5.82	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-4.08	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2.33	
<b>26 05 36 00-0770 12" Rung Spacing</b> <small>(26 05 36 00-0745)</small>		
26 05 36 00-0771 LF 6" Aluminum Cable Tray, 12" Rung Spacing, Straight Section .....	29.84	4.77
<i>For Class 12C Instead Of Class 12B, Add</i>	3.68	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.59	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.49	
26 05 36 00-0772 LF 9" Aluminum Cable Tray, 12" Rung Spacing, Straight Section .....	30.25	4.91
<i>For Class 12C Instead Of Class 12B, Add</i>	3.71	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.61	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.51	
26 05 36 00-0773 LF 12" Aluminum Cable Tray, 12" Rung Spacing, Straight Section .....	31.47	5.21
<i>For Class 12C Instead Of Class 12B, Add</i>	3.85	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.71	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.57	
26 05 36 00-0774 LF 18" Aluminum Cable Tray, 12" Rung Spacing, Straight Section .....	33.34	5.50
<i>For Class 12C Instead Of Class 12B, Add</i>	4.08	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.87	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.67	
26 05 36 00-0775 LF 24" Aluminum Cable Tray, 12" Rung Spacing, Straight Section .....	36.19	5.57
<i>For Class 12C Instead Of Class 12B, Add</i>	4.49	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.15	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.81	
26 05 36 00-0776 LF 30" Aluminum Cable Tray, 12" Rung Spacing, Straight Section .....	38.94	6.17
<i>For Class 12C Instead Of Class 12B, Add</i>	4.82	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.38	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.95	
26 05 36 00-0777 LF 36" Aluminum Cable Tray, 12" Rung Spacing, Straight Section .....	41.28	6.68
<i>For Class 12C Instead Of Class 12B, Add</i>	5.08	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.57	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	2.06	
<b>26 05 36 00-0778 18" Rung Spacing</b> <small>(26 05 36 00-0745)</small>		
26 05 36 00-0779 LF 6" Aluminum Cable Tray, 18" Rung Spacing, Straight Section .....	29.49	4.62
<i>For Class 12C Instead Of Class 12B, Add</i>	3.65	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.56	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.47	
26 05 36 00-0780 LF 9" Aluminum Cable Tray, 18" Rung Spacing, Straight Section .....	29.53	4.84
<i>For Class 12C Instead Of Class 12B, Add</i>	3.63	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.55	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.48	
26 05 36 00-0781 LF 12" Aluminum Cable Tray, 18" Rung Spacing, Straight Section .....	31.11	4.99
<i>For Class 12C Instead Of Class 12B, Add</i>	3.83	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.69	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.56	
26 05 36 00-0782 LF 18" Aluminum Cable Tray, 18" Rung Spacing, Straight Section .....	32.78	5.28
<i>For Class 12C Instead Of Class 12B, Add</i>	4.04	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-2.84	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.64	
26 05 36 00-0783 LF 24" Aluminum Cable Tray, 18" Rung Spacing, Straight Section .....	34.77	5.35
<i>For Class 12C Instead Of Class 12B, Add</i>	4.32	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.03	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.74	
26 05 36 00-0784 LF 30" Aluminum Cable Tray, 18" Rung Spacing, Straight Section .....	36.44	5.87
<i>For Class 12C Instead Of Class 12B, Add</i>	4.49	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.16	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.82	
26 05 36 00-0785 LF 36" Aluminum Cable Tray, 18" Rung Spacing, Straight Section .....	38.62	6.39
<i>For Class 12C Instead Of Class 12B, Add</i>	4.73	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-3.33	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1.93	
<b>26 05 36 00-0786 4" Rung Tray Fittings</b> <small>(26 05 36 00-0744)</small>		
<b>26 05 36 00-0787 90 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0788 EA 6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	238.92	73.60
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.76	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.95	
26 05 36 00-0789 EA 9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	258.95	83.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.91	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.95	
26 05 36 00-0790 EA 12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	295.73	92.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.85	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.79	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0791 EA 18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	348.30	113.59
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.36	
For 6" Overall Height Instead Of 4-5/8", Add	17.42	
26 05 36 00-0792 EA 24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	414.61	130.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.59	
For 6" Overall Height Instead Of 4-5/8", Add	20.73	
26 05 36 00-0793 EA 30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	453.63	146.75
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.13	
For 6" Overall Height Instead Of 4-5/8", Add	22.68	
26 05 36 00-0794 EA 36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	532.76	167.74
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.30	
For 6" Overall Height Instead Of 4-5/8", Add	26.64	
<b>26 05 36 00-0795 90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-0786)</b>		
26 05 36 00-0796 EA 6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	333.66	76.53
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.99	
For 6" Overall Height Instead Of 4-5/8", Add	16.68	
26 05 36 00-0797 EA 9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	361.57	87.98
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.83	
For 6" Overall Height Instead Of 4-5/8", Add	18.08	
26 05 36 00-0798 EA 12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	388.29	97.82
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.68	
For 6" Overall Height Instead Of 4-5/8", Add	19.41	
26 05 36 00-0799 EA 18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	446.85	121.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.56	
For 6" Overall Height Instead Of 4-5/8", Add	22.34	
26 05 36 00-0800 EA 24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	502.80	140.96
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.54	
For 6" Overall Height Instead Of 4-5/8", Add	25.14	
26 05 36 00-0801 EA 30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	559.58	159.96
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.63	
For 6" Overall Height Instead Of 4-5/8", Add	27.98	
26 05 36 00-0802 EA 36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	638.58	185.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-48.42	
For 6" Overall Height Instead Of 4-5/8", Add	31.93	
<b>26 05 36 00-0803 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-0786)</b>		
26 05 36 00-0804 EA 6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	360.02	79.98
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.34	
For 6" Overall Height Instead Of 4-5/8", Add	18.00	
26 05 36 00-0805 EA 9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	386.87	92.60
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.97	
For 6" Overall Height Instead Of 4-5/8", Add	19.34	
26 05 36 00-0806 EA 12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	431.83	103.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.55	
For 6" Overall Height Instead Of 4-5/8", Add	21.59	
26 05 36 00-0807 EA 18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	508.82	130.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.01	
For 6" Overall Height Instead Of 4-5/8", Add	25.44	
26 05 36 00-0808 EA 24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	584.88	153.07
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-45.73	
For 6" Overall Height Instead Of 4-5/8", Add	29.24	
26 05 36 00-0809 EA 30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	655.64	176.11
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.89	
For 6" Overall Height Instead Of 4-5/8", Add	32.78	
26 05 36 00-0810 EA 36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	759.95	206.92
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-58.75	
For 6" Overall Height Instead Of 4-5/8", Add	38.00	
<b>26 05 36 00-0811 45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-0786)</b>		
26 05 36 00-0812 EA 6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	165.42	53.34
For 60 Degree Bend, Deduct	-34.15	
For 30 Degree Bend, Deduct	-59.88	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-12.10	
For 6" Overall Height Instead Of 4-5/8", Add	8.27	
26 05 36 00-0813 EA 9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	186.08	63.98
For 60 Degree Bend, Deduct	-36.89	
For 30 Degree Bend, Deduct	-65.04	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.28	
For 6" Overall Height Instead Of 4-5/8", Add	9.30	
26 05 36 00-0814 EA 12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	204.74	73.38
For 60 Degree Bend, Deduct	-39.44	
For 30 Degree Bend, Deduct	-69.80	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.36	
For 6" Overall Height Instead Of 4-5/8", Add	10.24	
26 05 36 00-0815 EA 18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	251.70	92.74
For 60 Degree Bend, Deduct	-47.52	
For 30 Degree Bend, Deduct	-84.35	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.44	
For 6" Overall Height Instead Of 4-5/8", Add	12.59	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0816 EA 24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	310.02	113.59
<i>For 60 Degree Bend, Deduct</i>	-58.77	
<i>For 30 Degree Bend, Deduct</i>	-104.25	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.54	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.50	
26 05 36 00-0817 EA 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	355.73	130.39
<i>For 60 Degree Bend, Deduct</i>	-67.40	
<i>For 30 Degree Bend, Deduct</i>	-119.58	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.71	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.79	
26 05 36 00-0818 EA 36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	399.39	153.07
<i>For 60 Degree Bend, Deduct</i>	-73.12	
<i>For 30 Degree Bend, Deduct</i>	-130.37	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.18	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.97	
<b>26 05 36 00-0819 45 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0820 EA 6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	194.72	55.03
<i>For 60 Degree Bend, Deduct</i>	-43.17	
<i>For 30 Degree Bend, Deduct</i>	-75.01	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.89	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.74	
26 05 36 00-0821 EA 9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	225.40	66.34
<i>For 60 Degree Bend, Deduct</i>	-48.95	
<i>For 30 Degree Bend, Deduct</i>	-85.27	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.01	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.27	
26 05 36 00-0822 EA 12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	245.43	76.60
<i>For 60 Degree Bend, Deduct</i>	-51.63	
<i>For 30 Degree Bend, Deduct</i>	-90.31	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.16	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.27	
26 05 36 00-0823 EA 18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	289.66	97.82
<i>For 60 Degree Bend, Deduct</i>	-58.08	
<i>For 30 Degree Bend, Deduct</i>	-102.24	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.81	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.48	
26 05 36 00-0824 EA 24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	349.69	121.52
<i>For 60 Degree Bend, Deduct</i>	-68.83	
<i>For 30 Degree Bend, Deduct</i>	-121.46	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.85	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.48	
26 05 36 00-0825 EA 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	411.53	140.96
<i>For 60 Degree Bend, Deduct</i>	-81.78	
<i>For 30 Degree Bend, Deduct</i>	-144.13	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.41	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.58	
26 05 36 00-0826 EA 36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	465.12	167.81
<i>For 60 Degree Bend, Deduct</i>	-89.17	
<i>For 30 Degree Bend, Deduct</i>	-157.94	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.53	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.26	
<b>26 05 36 00-0827 45 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0828 EA 6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	232.99	56.79
<i>For 60 Degree Bend, Deduct</i>	-55.13	
<i>For 30 Degree Bend, Deduct</i>	-95.03	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.57	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.65	
26 05 36 00-0829 EA 9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	256.26	68.97
<i>For 60 Degree Bend, Deduct</i>	-58.13	
<i>For 30 Degree Bend, Deduct</i>	-100.71	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.88	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.81	
26 05 36 00-0830 EA 12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	277.68	80.05
<i>For 60 Degree Bend, Deduct</i>	-60.95	
<i>For 30 Degree Bend, Deduct</i>	-106.03	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.10	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.88	
26 05 36 00-0831 EA 18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	331.73	103.61
<i>For 60 Degree Bend, Deduct</i>	-69.74	
<i>For 30 Degree Bend, Deduct</i>	-121.99	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.54	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.59	
26 05 36 00-0832 EA 24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	411.67	130.39
<i>For 60 Degree Bend, Deduct</i>	-85.86	
<i>For 30 Degree Bend, Deduct</i>	-150.35	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.30	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.58	
26 05 36 00-0833 EA 30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	461.22	153.07
<i>For 60 Degree Bend, Deduct</i>	-93.52	
<i>For 30 Degree Bend, Deduct</i>	-164.38	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.37	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.06	



**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0834	EA		36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	535.53	185.28
			<i>For 60 Degree Bend, Deduct</i>	-105.69	
			<i>For 30 Degree Bend, Deduct</i>	-186.45	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.11	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.78	
<b>26 05 36 00-0835</b>			<b>90 Degree, 12" Radius Vertical Risers</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0836	EA		6" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	266.88	73.38
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.57	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.34	
26 05 36 00-0837	EA		9" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	292.18	83.80
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.23	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.61	
26 05 36 00-0838	EA		12" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	309.51	92.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.23	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.48	
26 05 36 00-0839	EA		18" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	349.66	113.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.50	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.48	
26 05 36 00-0840	EA		24" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	385.59	130.39
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.69	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.28	
26 05 36 00-0841	EA		30" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	420.71	146.75
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.84	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.04	
26 05 36 00-0842	EA		36" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	460.60	167.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.10	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.03	
<b>26 05 36 00-0843</b>			<b>90 Degree, 24" Radius Vertical Risers</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0844	EA		6" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	283.98	76.53
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.02	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.20	
26 05 36 00-0845	EA		9" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	309.73	88.05
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.64	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.49	
26 05 36 00-0846	EA		12" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	329.98	97.82
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.85	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.50	
26 05 36 00-0847	EA		18" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	378.60	121.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.74	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.93	
26 05 36 00-0848	EA		24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	421.52	140.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.41	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.08	
26 05 36 00-0849	EA		30" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	463.78	159.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.05	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.19	
26 05 36 00-0850	EA		36" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	519.13	185.28
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.47	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.96	
<b>26 05 36 00-0851</b>			<b>90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0852	EA		6" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	375.16	79.98
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.85	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.76	
26 05 36 00-0853	EA		9" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	401.51	92.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.43	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.08	
26 05 36 00-0854	EA		12" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	435.61	103.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.92	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.78	
26 05 36 00-0855	EA		18" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	490.74	130.39
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.21	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.54	
26 05 36 00-0856	EA		24" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	539.03	153.07
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.15	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.95	
26 05 36 00-0857	EA		30" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	598.44	176.11
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.17	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.92	
26 05 36 00-0858	EA		36" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	662.90	206.92
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.05	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.15	
<b>26 05 36 00-0859</b>			<b>12" Radius Horizontal Tees</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0860	EA		6" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	401.65	140.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.42	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0861 EA 9" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	432.83	153.07
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.53	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.64	
26 05 36 00-0862 EA 12" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	447.07	159.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.38	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.35	
26 05 36 00-0863 EA 18" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	509.49	176.11
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.27	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.47	
26 05 36 00-0864 EA 24" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	563.68	195.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.08	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.18	
26 05 36 00-0865 EA 30" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	621.59	207.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.89	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.08	
26 05 36 00-0866 EA 36" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	721.94	234.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.64	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	36.10	
<b>26 05 36 00-0867 24" Radius Horizontal Tees</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0868 EA 6" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	539.45	153.07
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.19	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.97	
26 05 36 00-0869 EA 9" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	580.37	167.81
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.06	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.02	
26 05 36 00-0870 EA 12" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	602.44	176.11
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.57	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.12	
26 05 36 00-0871 EA 18" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	662.10	195.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.92	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.11	
26 05 36 00-0872 EA 24" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	733.23	220.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.98	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	36.66	
26 05 36 00-0873 EA 30" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	793.02	234.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.75	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	39.65	
26 05 36 00-0874 EA 36" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,066.95	271.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.10	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	53.35	
<b>26 05 36 00-0875 36" Radius Horizontal Tees</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0876 EA 6" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	681.52	167.81
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.17	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.08	
26 05 36 00-0877 EA 9" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	721.65	185.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.72	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	36.08	
26 05 36 00-0878 EA 12" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	776.92	195.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.40	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	38.85	
26 05 36 00-0879 EA 18" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	842.59	220.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.91	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	42.13	
26 05 36 00-0880 EA 24" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	943.73	251.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.43	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	47.19	
26 05 36 00-0881 EA 30" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,116.16	271.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-89.02	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	55.81	
26 05 36 00-0882 EA 36" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,271.42	319.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-100.48	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	63.57	
<b>26 05 36 00-0883 12" Radius Vertical Tees</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0884 EA 6" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	591.89	130.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.32	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.59	
26 05 36 00-0885 EA 9" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	611.40	135.53
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.84	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.57	
26 05 36 00-0886 EA 12" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	623.09	140.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.57	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.15	
26 05 36 00-0887 EA 18" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	651.54	153.07
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.40	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.58	
26 05 36 00-0888 EA 24" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	695.85	159.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.25	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.79	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0889	EA		30" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	730.93	176.11
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-58.42	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	36.55	
26 05 36 00-0890	EA		36" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	776.92	195.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.40	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	38.85	
<b>26 05 36 00-0891</b>			<b>24" Radius Vertical Tees</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0892	EA		6" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	869.14	140.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.17	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	43.46	
26 05 36 00-0893	EA		9" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	887.05	146.75
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-76.48	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	44.35	
26 05 36 00-0894	EA		12" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	905.79	153.07
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.82	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	45.29	
26 05 36 00-0895	EA		18" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	949.44	167.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-80.96	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	47.47	
26 05 36 00-0896	EA		24" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	979.71	176.11
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.30	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	48.99	
26 05 36 00-0897	EA		30" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,028.44	195.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-86.55	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	51.42	
26 05 36 00-0898	EA		36" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,132.38	220.14
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-94.89	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	56.62	
<b>26 05 36 00-0899</b>			<b>36" Radius Vertical Tee</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0900	EA		6" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,461.73	153.07
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-133.42	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	73.09	
26 05 36 00-0901	EA		9" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,488.89	159.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-135.56	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	74.44	
26 05 36 00-0902	EA		12" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,517.57	167.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-137.78	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	75.88	
26 05 36 00-0903	EA		18" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,562.45	185.28
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-140.80	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	78.12	
26 05 36 00-0904	EA		24" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,595.12	195.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-143.22	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	79.76	
26 05 36 00-0905	EA		30" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,683.17	220.14
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-149.97	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	84.16	
26 05 36 00-0906	EA		36" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,750.77	251.32
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-154.14	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	87.54	
<b>26 05 36 00-0907</b>			<b>12" Radius Horizontal Crosses</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0908	EA		6" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	525.89	176.11
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.91	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.29	
26 05 36 00-0909	EA		9" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	565.81	185.28
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.14	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.29	
26 05 36 00-0910	EA		12" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	585.55	195.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.26	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.28	
26 05 36 00-0911	EA		18" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	659.87	207.29
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-48.71	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.99	
26 05 36 00-0912	EA		24" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	716.47	234.66
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.09	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	35.82	
26 05 36 00-0913	EA		30" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	801.56	251.32
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-59.22	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	40.08	
26 05 36 00-0914	EA		36" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	930.26	271.14
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.43	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	46.51	
<b>26 05 36 00-0915</b>			<b>24" Radius Horizontal Crosses</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0916	EA		6" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	771.45	195.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.85	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	38.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0917 EA 9" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	804.76 -63.20 40.24	207.29
26 05 36 00-0918 EA 12" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	839.85 -65.64 41.99	220.14
26 05 36 00-0919 EA 18" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	888.71 -69.31 44.44	234.66
26 05 36 00-0920 EA 24" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	993.14 -76.72 49.66	271.14
26 05 36 00-0921 EA 30" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,009.76 -76.52 50.49	293.51
26 05 36 00-0922 EA 36" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,120.14 -85.35 56.01	319.93
<b>26 05 36 00-0923 36" Radius Horizontal Crosses</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0924 EA 6" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	891.80 -70.84 44.59	220.14
26 05 36 00-0925 EA 9" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	882.25 -68.67 44.11	234.66
26 05 36 00-0926 EA 12" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	939.39 -73.00 46.97	251.32
26 05 36 00-0927 EA 18" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,069.69 -84.38 53.48	271.14
26 05 36 00-0928 EA 24" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,298.76 -103.21 64.94	319.93
26 05 36 00-0929 EA 30" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,433.58 -114.05 71.68	351.63
26 05 36 00-0930 EA 36" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,596.02 -126.96 79.80	391.69
<b>26 05 36 00-0931 12" Radius Vertical Cross</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0932 EA 6" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	525.89 -37.91 26.29	176.11
26 05 36 00-0933 EA 9" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	565.91 -41.14 28.30	185.35
26 05 36 00-0934 EA 12" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	585.49 -42.26 29.27	195.47
26 05 36 00-0935 EA 18" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	660.00 -48.72 33.00	207.36
26 05 36 00-0936 EA 24" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	716.47 -52.09 35.82	234.66
26 05 36 00-0937 EA 30" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	801.75 -59.22 40.09	251.40
26 05 36 00-0938 EA 36" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	929.71 -70.41 46.49	270.76
<b>26 05 36 00-0939 24" Radius Vertical Crosses</b> <small>(26 05 36 00-0786)</small>		
26 05 36 00-0940 EA 6" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	771.45 -60.85 38.57	195.47
26 05 36 00-0941 EA 9" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	804.76 -63.20 40.24	207.29
26 05 36 00-0942 EA 12" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	839.85 -65.64 41.99	220.14
26 05 36 00-0943 EA 18" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	888.71 -69.31 44.44	234.66
26 05 36 00-0944 EA 24" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	993.14 -76.72 49.66	271.14

**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0945 EA 30" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,068.77	293.51
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-82.42	
For 6" Overall Height Instead Of 4-5/8", Add	53.44	
26 05 36 00-0946 EA 36" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,186.67	319.93
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-92.00	
For 6" Overall Height Instead Of 4-5/8", Add	59.33	
<b>26 05 36 00-0947 36" Radius Vertical Crosses (26 05 36 00-0786)</b>		
26 05 36 00-0948 EA 6" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,128.00	220.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-94.46	
For 6" Overall Height Instead Of 4-5/8", Add	56.40	
26 05 36 00-0949 EA 9" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,183.97	234.66
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-98.84	
For 6" Overall Height Instead Of 4-5/8", Add	59.20	
26 05 36 00-0950 EA 12" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,259.21	251.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-104.98	
For 6" Overall Height Instead Of 4-5/8", Add	62.96	
26 05 36 00-0951 EA 18" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,347.72	271.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-112.18	
For 6" Overall Height Instead Of 4-5/8", Add	67.39	
26 05 36 00-0952 EA 24" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,643.23	319.93
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-137.66	
For 6" Overall Height Instead Of 4-5/8", Add	82.16	
26 05 36 00-0953 EA 30" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,814.96	351.63
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-152.19	
For 6" Overall Height Instead Of 4-5/8", Add	90.75	
26 05 36 00-0954 EA 36" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	2,020.45	391.69
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-169.40	
For 6" Overall Height Instead Of 4-5/8", Add	101.02	
<b>26 05 36 00-0955 6" Rung Tray Fittings (26 05 36 00-0744)</b>		
<b>26 05 36 00-0956 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-0955)</b>		
26 05 36 00-0957 EA 6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	222.30	73.60
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-16.10	
For 6" Overall Height Instead Of 4-5/8", Add	11.12	
26 05 36 00-0958 EA 9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	241.92	83.80
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.21	
For 6" Overall Height Instead Of 4-5/8", Add	12.10	
26 05 36 00-0959 EA 12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	275.54	92.67
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.83	
For 6" Overall Height Instead Of 4-5/8", Add	13.78	
26 05 36 00-0960 EA 18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	325.58	113.59
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.09	
For 6" Overall Height Instead Of 4-5/8", Add	16.28	
26 05 36 00-0961 EA 24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	386.43	130.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.78	
For 6" Overall Height Instead Of 4-5/8", Add	19.32	
26 05 36 00-0962 EA 30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	423.76	146.75
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.15	
For 6" Overall Height Instead Of 4-5/8", Add	21.19	
26 05 36 00-0963 EA 36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	496.59	167.74
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.68	
For 6" Overall Height Instead Of 4-5/8", Add	24.83	
<b>26 05 36 00-0964 90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-0955)</b>		
26 05 36 00-0965 EA 6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	304.22	76.53
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.04	
For 6" Overall Height Instead Of 4-5/8", Add	15.21	
26 05 36 00-0966 EA 9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	330.86	87.98
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.75	
For 6" Overall Height Instead Of 4-5/8", Add	16.54	
26 05 36 00-0967 EA 12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	356.11	97.82
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.46	
For 6" Overall Height Instead Of 4-5/8", Add	17.81	
26 05 36 00-0968 EA 18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	411.94	121.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.07	
For 6" Overall Height Instead Of 4-5/8", Add	20.60	
26 05 36 00-0969 EA 24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	464.53	140.96
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.71	
For 6" Overall Height Instead Of 4-5/8", Add	23.23	
26 05 36 00-0970 EA 30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	517.73	159.96
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-38.44	
For 6" Overall Height Instead Of 4-5/8", Add	25.89	
26 05 36 00-0971 EA 36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	591.47	185.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-43.71	
For 6" Overall Height Instead Of 4-5/8", Add	29.57	
<b>26 05 36 00-0972 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-0955)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0973 EA 6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	327.64	79.98
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.10	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.38	
26 05 36 00-0974 EA 9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	353.64	92.60
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.65	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.68	
26 05 36 00-0975 EA 12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	394.82	103.61
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.85	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.74	
26 05 36 00-0976 EA 18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	467.18	130.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-35.85	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.36	
26 05 36 00-0977 EA 24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	537.77	153.07
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.02	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.89	
26 05 36 00-0978 EA 30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	603.91	176.11
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.72	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.20	
26 05 36 00-0979 EA 36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	700.65	206.92
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.82	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	35.03	
<b>26 05 36 00-0980 45 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-0955)</small>		
26 05 36 00-0981 EA 6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	154.48	53.34
<i>For 60 Degree Bend, Deduct</i>	-30.54	
<i>For 30 Degree Bend, Deduct</i>	-53.86	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.00	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	7.72	
26 05 36 00-0982 EA 9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	174.73	63.98
<i>For 60 Degree Bend, Deduct</i>	-33.15	
<i>For 30 Degree Bend, Deduct</i>	-58.80	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.14	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.74	
26 05 36 00-0983 EA 12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	192.96	73.38
<i>For 60 Degree Bend, Deduct</i>	-35.55	
<i>For 30 Degree Bend, Deduct</i>	-63.32	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.18	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.65	
26 05 36 00-0984 EA 18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	237.82	92.74
<i>For 60 Degree Bend, Deduct</i>	-42.94	
<i>For 30 Degree Bend, Deduct</i>	-76.71	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.06	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.89	
26 05 36 00-0985 EA 24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	292.78	113.59
<i>For 60 Degree Bend, Deduct</i>	-53.08	
<i>For 30 Degree Bend, Deduct</i>	-94.77	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.81	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.64	
26 05 36 00-0986 EA 30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	335.96	130.39
<i>For 60 Degree Bend, Deduct</i>	-60.88	
<i>For 30 Degree Bend, Deduct</i>	-108.71	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.73	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.80	
26 05 36 00-0987 EA 36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	378.79	153.07
<i>For 60 Degree Bend, Deduct</i>	-66.32	
<i>For 30 Degree Bend, Deduct</i>	-119.04	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.12	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.94	
<b>26 05 36 00-0988 45 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-0955)</small>		
26 05 36 00-0989 EA 6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	180.00	55.03
<i>For 60 Degree Bend, Deduct</i>	-38.32	
<i>For 30 Degree Bend, Deduct</i>	-66.92	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.42	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.00	
26 05 36 00-0990 EA 9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	209.00	66.34
<i>For 60 Degree Bend, Deduct</i>	-43.54	
<i>For 30 Degree Bend, Deduct</i>	-76.25	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.37	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.45	
26 05 36 00-0991 EA 12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	228.60	76.60
<i>For 60 Degree Bend, Deduct</i>	-46.08	
<i>For 30 Degree Bend, Deduct</i>	-81.05	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.48	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.43	
26 05 36 00-0992 EA 18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	271.57	97.82
<i>For 60 Degree Bend, Deduct</i>	-52.11	
<i>For 30 Degree Bend, Deduct</i>	-92.29	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.00	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.58	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0993	EA		24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	328.66	121.52
			<i>For 60 Degree Bend, Deduct</i>	-61.89	
			<i>For 30 Degree Bend, Deduct</i>	-109.90	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.74	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.43	
26 05 36 00-0994	EA		30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	386.29	140.96
			<i>For 60 Degree Bend, Deduct</i>	-73.45	
			<i>For 30 Degree Bend, Deduct</i>	-130.25	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.89	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.31	
26 05 36 00-0995	EA		36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	438.63	167.81
			<i>For 60 Degree Bend, Deduct</i>	-80.43	
			<i>For 30 Degree Bend, Deduct</i>	-143.37	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-29.88	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.93	
<b>26 05 36 00-0996</b>			<b>45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-0955)</b>		
26 05 36 00-0997	EA		6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	213.22	56.79
			<i>For 60 Degree Bend, Deduct</i>	-48.60	
			<i>For 30 Degree Bend, Deduct</i>	-84.16	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.59	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.66	
26 05 36 00-0998	EA		9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	236.07	68.97
			<i>For 60 Degree Bend, Deduct</i>	-51.47	
			<i>For 30 Degree Bend, Deduct</i>	-89.61	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.86	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.80	
26 05 36 00-0999	EA		12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	257.08	80.05
			<i>For 60 Degree Bend, Deduct</i>	-54.15	
			<i>For 30 Degree Bend, Deduct</i>	-94.70	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.04	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.85	
26 05 36 00-1000	EA		18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	309.01	103.61
			<i>For 60 Degree Bend, Deduct</i>	-62.24	
			<i>For 30 Degree Bend, Deduct</i>	-109.50	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.26	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.45	
26 05 36 00-1001	EA		24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	383.91	130.39
			<i>For 60 Degree Bend, Deduct</i>	-76.70	
			<i>For 30 Degree Bend, Deduct</i>	-135.08	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.52	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.20	
26 05 36 00-1002	EA		30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	431.78	153.07
			<i>For 60 Degree Bend, Deduct</i>	-83.81	
			<i>For 30 Degree Bend, Deduct</i>	-148.18	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.42	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	21.59	
26 05 36 00-1003	EA		36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	503.15	185.28
			<i>For 60 Degree Bend, Deduct</i>	-95.01	
			<i>For 30 Degree Bend, Deduct</i>	-168.64	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.87	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.16	
<b>26 05 36 00-1004</b>			<b>90 Degree, 12" Radius Vertical Risers (26 05 36 00-0955)</b>		
26 05 36 00-1005	EA		6" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	255.31	73.38
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.42	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.77	
26 05 36 00-1006	EA		9" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	279.98	83.80
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.01	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.00	
26 05 36 00-1007	EA		12" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	297.10	92.67
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.99	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.86	
26 05 36 00-1008	EA		18" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	336.83	113.59
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.22	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.84	
26 05 36 00-1009	EA		24" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	372.13	130.39
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.35	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.61	
26 05 36 00-1010	EA		30" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	406.63	146.75
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-28.43	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.33	
26 05 36 00-1011	EA		36" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	446.09	167.52
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.65	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.30	
<b>26 05 36 00-1012</b>			<b>90 Degree, 24" Radius Vertical Risers (26 05 36 00-0955)</b>		
26 05 36 00-1013	EA		6" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	271.47	76.53
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.77	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1014 EA 9" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	296.69 -22.33 14.83	88.05
26 05 36 00-1015 EA 12" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	316.63 -23.51 15.83	97.82
26 05 36 00-1016 EA 18" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	364.52 -26.33 18.23	121.52
26 05 36 00-1017 EA 24" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	406.59 -28.92 20.33	140.96
26 05 36 00-1018 EA 30" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	448.01 -31.47 22.40	159.96
26 05 36 00-1019 EA 36" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	502.30 -34.79 25.12	185.28
<b>26 05 36 00-1020 90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-0955)</small>		
26 05 36 00-1021 EA 6" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	355.82 -28.92 17.79	79.98
26 05 36 00-1022 EA 9" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	381.74 -30.45 19.09	92.67
26 05 36 00-1023 EA 12" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	414.58 -32.82 20.73	103.61
26 05 36 00-1024 EA 18" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	468.87 -36.02 23.44	130.39
26 05 36 00-1025 EA 24" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	516.32 -38.88 25.82	153.07
26 05 36 00-1026 EA 30" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	574.05 -42.73 28.70	176.11
26 05 36 00-1027 EA 36" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	637.45 -46.50 31.87	206.92
<b>26 05 36 00-1028 12" Radius Horizontal Tees</b> <small>(26 05 36 00-0955)</small>		
26 05 36 00-1029 EA 6" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	388.82 -27.14 19.44	140.96
26 05 36 00-1030 EA 9" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	419.16 -29.16 20.96	153.07
26 05 36 00-1031 EA 12" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	433.19 -29.99 21.66	159.96
26 05 36 00-1032 EA 18" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	492.87 -34.61 24.64	176.11
26 05 36 00-1033 EA 24" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	545.38 -38.25 27.27	195.47
26 05 36 00-1034 EA 30" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	600.35 -42.76 30.02	207.29
26 05 36 00-1035 EA 36" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	696.49 -50.09 34.82	234.66
<b>26 05 36 00-1036 24" Radius Horizontal Tees</b> <small>(26 05 36 00-0955)</small>		
26 05 36 00-1037 EA 6" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	517.58 -39.00 25.88	153.07
26 05 36 00-1038 EA 9" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	557.23 -41.74 27.86	167.81
26 05 36 00-1039 EA 12" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	578.67 -43.19 28.93	176.11
26 05 36 00-1040 EA 18" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	636.23 -47.33 31.81	195.47
26 05 36 00-1041 EA 24" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	705.05 -52.16 35.25	220.14



**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1042	EA		30" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	762.11	234.66
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.65	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	38.11	
26 05 36 00-1043	EA		36" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,019.64	271.14
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.37	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	50.98	
<b>26 05 36 00-1044</b>			<b>36" Radius Horizontal Tees</b> <small>(26 05 36 00-0955)</small>		
26 05 36 00-1045	EA		6" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	650.61	167.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.08	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.53	
26 05 36 00-1046	EA		9" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	689.89	185.28
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-53.55	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.49	
26 05 36 00-1047	EA		12" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	742.22	195.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.93	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	37.11	
26 05 36 00-1048	EA		18" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	805.99	220.14
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.25	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	40.30	
26 05 36 00-1049	EA		24" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	903.35	251.32
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.39	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	45.17	
26 05 36 00-1050	EA		30" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,065.06	271.14
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.91	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	53.25	
26 05 36 00-1051	EA		36" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,214.64	319.93
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-94.80	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	60.73	
<b>26 05 36 00-1052</b>			<b>12" Radius Vertical Tees</b> <small>(26 05 36 00-0955)</small>		
26 05 36 00-1053	EA		6" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	563.08	130.39
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.44	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.15	
26 05 36 00-1054	EA		9" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	581.75	135.53
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.88	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.09	
26 05 36 00-1055	EA		12" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	593.23	140.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.58	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.66	
26 05 36 00-1056	EA		18" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	621.05	153.07
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.35	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.05	
26 05 36 00-1057	EA		24" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	662.83	159.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-52.95	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.14	
26 05 36 00-1058	EA		30" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	697.28	176.11
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.05	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.86	
26 05 36 00-1059	EA		36" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	742.22	195.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.93	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	37.11	
<b>26 05 36 00-1060</b>			<b>24" Radius Vertical Tees</b> <small>(26 05 36 00-0955)</small>		
26 05 36 00-1061	EA		6" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	820.35	140.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-70.29	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	41.02	
26 05 36 00-1062	EA		9" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	837.63	146.75
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.53	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	41.88	
26 05 36 00-1063	EA		12" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	855.74	153.07
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-72.82	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	42.79	
26 05 36 00-1064	EA		18" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	897.92	167.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-75.81	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	44.90	
26 05 36 00-1065	EA		24" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	926.93	176.11
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-78.02	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	46.35	
26 05 36 00-1066	EA		30" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	974.39	195.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-81.15	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	48.72	
26 05 36 00-1067	EA		36" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,073.49	220.14
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-89.00	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	53.67	
<b>26 05 36 00-1068</b>			<b>36" Radius Vertical Tees</b> <small>(26 05 36 00-0955)</small>		
26 05 36 00-1069	EA		6" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,368.91	153.07
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-124.13	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	68.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1070 EA 9" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,394.87 -126.16 69.74	159.96
26 05 36 00-1071 EA 12" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,422.34 -128.25 71.12	167.81
26 05 36 00-1072 EA 18" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,466.02 -131.16 73.30	185.28
26 05 36 00-1073 EA 24" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,497.48 -133.46 74.87	195.47
26 05 36 00-1074 EA 30" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,581.92 -139.85 79.10	220.14
26 05 36 00-1075 EA 36" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,648.31 -143.89 82.42	251.32
<b>26 05 36 00-1076 12" Radius Horizontal Crosses</b> (26 05 36 00-0955)		
26 05 36 00-1077 EA 6" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	508.01 -36.13 25.40	176.11
26 05 36 00-1078 EA 9" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	546.05 -39.16 27.30	185.28
26 05 36 00-1079 EA 12" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	565.57 -40.27 28.28	195.47
26 05 36 00-1080 EA 18" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	635.68 -46.29 31.78	207.29
26 05 36 00-1081 EA 24" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	691.45 -49.59 34.57	234.66
26 05 36 00-1082 EA 30" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	772.12 -56.27 38.61	251.32
26 05 36 00-1083 EA 36" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	893.46 -66.75 44.67	271.14
<b>26 05 36 00-1084 24" Radius Horizontal Crosses</b> (26 05 36 00-0955)		
26 05 36 00-1085 EA 6" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	737.17 -57.43 36.86	195.47
26 05 36 00-1086 EA 9" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	769.43 -59.67 38.47	207.29
26 05 36 00-1087 EA 12" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	803.47 -62.00 40.17	220.14
26 05 36 00-1088 EA 18" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	850.43 -65.49 42.52	234.66
26 05 36 00-1089 EA 24" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	951.50 -72.56 47.58	271.14
26 05 36 00-1090 EA 30" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,024.19 -77.96 51.21	293.51
26 05 36 00-1091 EA 36" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,136.41 -86.98 56.82	319.93
<b>26 05 36 00-1092 36" Radius Horizontal Crosses</b> (26 05 36 00-0955)		
26 05 36 00-1093 EA 6" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	851.42 -66.80 42.57	220.14
26 05 36 00-1094 EA 9" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	895.86 -70.03 44.79	234.66
26 05 36 00-1095 EA 12" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	953.82 -74.44 47.69	251.32
26 05 36 00-1096 EA 18" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,022.16 -79.62 51.11	271.14
26 05 36 00-1097 EA 24" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,239.87 -97.32 61.99	319.93

**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1098 EA 30" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,368.39	351.63
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-107.54	
For 6" Overall Height Instead Of 4-5/8", Add	68.42	
26 05 36 00-1099 EA 36" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,523.47	391.69
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-119.71	
For 6" Overall Height Instead Of 4-5/8", Add	76.17	
<b>26 05 36 00-1100 12" Radius Vertical Crosses (26 05 36 00-0955)</b>		
26 05 36 00-1101 EA 6" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	508.01	176.11
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.13	
For 6" Overall Height Instead Of 4-5/8", Add	25.40	
26 05 36 00-1102 EA 9" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	546.15	185.35
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.17	
For 6" Overall Height Instead Of 4-5/8", Add	27.31	
26 05 36 00-1103 EA 12" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	565.51	195.47
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.26	
For 6" Overall Height Instead Of 4-5/8", Add	28.28	
26 05 36 00-1104 EA 18" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	635.81	207.36
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-46.30	
For 6" Overall Height Instead Of 4-5/8", Add	31.79	
26 05 36 00-1105 EA 24" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	691.45	234.66
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-49.59	
For 6" Overall Height Instead Of 4-5/8", Add	34.57	
26 05 36 00-1106 EA 30" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	772.31	251.40
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-56.28	
For 6" Overall Height Instead Of 4-5/8", Add	38.62	
26 05 36 00-1107 EA 36" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	892.91	270.76
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-66.73	
For 6" Overall Height Instead Of 4-5/8", Add	44.65	
<b>26 05 36 00-1108 24" Radius Vertical Crosses (26 05 36 00-0955)</b>		
26 05 36 00-1109 EA 6" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	737.17	195.47
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.43	
For 6" Overall Height Instead Of 4-5/8", Add	36.86	
26 05 36 00-1110 EA 9" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	769.43	207.29
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-59.67	
For 6" Overall Height Instead Of 4-5/8", Add	38.47	
26 05 36 00-1111 EA 12" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	803.47	220.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-62.00	
For 6" Overall Height Instead Of 4-5/8", Add	40.17	
26 05 36 00-1112 EA 18" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	850.43	234.66
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-65.49	
For 6" Overall Height Instead Of 4-5/8", Add	42.52	
26 05 36 00-1113 EA 24" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	951.50	271.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-72.56	
For 6" Overall Height Instead Of 4-5/8", Add	47.58	
26 05 36 00-1114 EA 30" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,024.19	293.51
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-77.96	
For 6" Overall Height Instead Of 4-5/8", Add	51.21	
26 05 36 00-1115 EA 36" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,136.41	319.93
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-86.98	
For 6" Overall Height Instead Of 4-5/8", Add	56.82	
<b>26 05 36 00-1116 36" Radius Vertical Crosses (26 05 36 00-0955)</b>		
26 05 36 00-1117 EA 6" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,069.46	220.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-88.60	
For 6" Overall Height Instead Of 4-5/8", Add	53.47	
26 05 36 00-1118 EA 9" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,122.98	234.66
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-92.74	
For 6" Overall Height Instead Of 4-5/8", Add	56.15	
26 05 36 00-1119 EA 12" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,194.57	251.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-98.52	
For 6" Overall Height Instead Of 4-5/8", Add	59.73	
26 05 36 00-1120 EA 18" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,278.81	271.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-105.29	
For 6" Overall Height Instead Of 4-5/8", Add	63.94	
26 05 36 00-1121 EA 24" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,557.84	319.93
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-129.12	
For 6" Overall Height Instead Of 4-5/8", Add	77.89	
26 05 36 00-1122 EA 30" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,720.43	351.63
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-142.74	
For 6" Overall Height Instead Of 4-5/8", Add	86.02	
26 05 36 00-1123 EA 36" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,915.25	391.69
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-158.88	
For 6" Overall Height Instead Of 4-5/8", Add	95.76	
26 05 36 00-1124 9" Rung Tray Fittings (26 05 36 00-0744)		
26 05 36 00-1125 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-1124)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1126 EA 6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	205.69 -14.44 10.28	73.60
26 05 36 00-1127 EA 9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	224.88 -15.50 11.24	83.80
26 05 36 00-1128 EA 12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	255.35 -17.81 12.77	92.67
26 05 36 00-1129 EA 18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	302.87 -20.82 15.14	113.59
26 05 36 00-1130 EA 24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	358.25 -24.96 17.91	130.39
26 05 36 00-1131 EA 30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	393.90 -27.16 19.70	146.75
26 05 36 00-1132 EA 36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	460.42 -32.06 23.02	167.74
<b>26 05 36 00-1133 90 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1134 EA 6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	274.78 -21.10 13.74	76.53
26 05 36 00-1135 EA 9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	300.16 -22.68 15.01	87.98
26 05 36 00-1136 EA 12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	323.94 -24.24 16.20	97.82
26 05 36 00-1137 EA 18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	377.03 -27.58 18.85	121.52
26 05 36 00-1138 EA 24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	426.25 -30.88 21.31	140.96
26 05 36 00-1139 EA 30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	475.88 -34.26 23.79	159.96
26 05 36 00-1140 EA 36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	544.36 -38.99 27.22	185.28
<b>26 05 36 00-1141 90 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1142 EA 6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	295.25 -22.86 14.76	79.98
26 05 36 00-1143 EA 9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	320.42 -24.33 16.02	92.60
26 05 36 00-1144 EA 12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	357.80 -27.14 17.89	103.61
26 05 36 00-1145 EA 18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	425.55 -31.69 21.28	130.39
26 05 36 00-1146 EA 24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	490.66 -36.31 24.53	153.07
26 05 36 00-1147 EA 30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	552.18 -40.54 27.61	176.11
26 05 36 00-1148 EA 36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	641.34 -46.89 32.07	206.92
<b>26 05 36 00-1149 45 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1150 EA 6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	143.55 -26.93 -47.85 -9.91 7.18	53.34
26 05 36 00-1151 EA 9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray..... <i>For 60 Degree Bend, Deduct</i> <i>For 30 Degree Bend, Deduct</i> <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	163.37 -29.40 -52.55 -11.01 8.17	63.98

**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1152	EA		12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	181.18	73.38
			<i>For 60 Degree Bend, Deduct</i>	-31.66	
			<i>For 30 Degree Bend, Deduct</i>	-56.84	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-12.00	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.06	
26 05 36 00-1153	EA		18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	223.94	92.74
			<i>For 60 Degree Bend, Deduct</i>	-38.36	
			<i>For 30 Degree Bend, Deduct</i>	-69.08	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.67	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.20	
26 05 36 00-1154	EA		24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	275.53	113.59
			<i>For 60 Degree Bend, Deduct</i>	-47.38	
			<i>For 30 Degree Bend, Deduct</i>	-85.28	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.09	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.78	
26 05 36 00-1155	EA		30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	316.19	130.39
			<i>For 60 Degree Bend, Deduct</i>	-54.35	
			<i>For 30 Degree Bend, Deduct</i>	-97.83	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.75	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.81	
26 05 36 00-1156	EA		36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	358.18	153.07
			<i>For 60 Degree Bend, Deduct</i>	-59.52	
			<i>For 30 Degree Bend, Deduct</i>	-107.70	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.06	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.91	
<b>26 05 36 00-1157</b>			<b>45 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1158	EA		6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	165.27	55.03
			<i>For 60 Degree Bend, Deduct</i>	-33.46	
			<i>For 30 Degree Bend, Deduct</i>	-58.81	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.94	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.26	
26 05 36 00-1159	EA		9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	192.60	66.34
			<i>For 60 Degree Bend, Deduct</i>	-38.12	
			<i>For 30 Degree Bend, Deduct</i>	-67.23	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.73	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.63	
26 05 36 00-1160	EA		12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	211.78	76.60
			<i>For 60 Degree Bend, Deduct</i>	-40.53	
			<i>For 30 Degree Bend, Deduct</i>	-71.80	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.80	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.59	
26 05 36 00-1161	EA		18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	253.49	97.82
			<i>For 60 Degree Bend, Deduct</i>	-46.15	
			<i>For 30 Degree Bend, Deduct</i>	-82.35	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.20	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.67	
26 05 36 00-1162	EA		24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	307.63	121.52
			<i>For 60 Degree Bend, Deduct</i>	-54.95	
			<i>For 30 Degree Bend, Deduct</i>	-98.33	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.64	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.38	
26 05 36 00-1163	EA		30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	361.06	140.96
			<i>For 60 Degree Bend, Deduct</i>	-65.13	
			<i>For 30 Degree Bend, Deduct</i>	-116.38	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.36	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.05	
26 05 36 00-1164	EA		36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	412.13	167.81
			<i>For 60 Degree Bend, Deduct</i>	-71.69	
			<i>For 30 Degree Bend, Deduct</i>	-128.80	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.23	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.61	
<b>26 05 36 00-1165</b>			<b>45 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1166	EA		6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	193.45	56.79
			<i>For 60 Degree Bend, Deduct</i>	-42.08	
			<i>For 30 Degree Bend, Deduct</i>	-73.28	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.61	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.67	
26 05 36 00-1167	EA		9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	215.88	68.97
			<i>For 60 Degree Bend, Deduct</i>	-44.80	
			<i>For 30 Degree Bend, Deduct</i>	-78.51	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.84	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.79	
26 05 36 00-1168	EA		12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	236.47	80.05
			<i>For 60 Degree Bend, Deduct</i>	-47.35	
			<i>For 30 Degree Bend, Deduct</i>	-83.36	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.98	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.82	
26 05 36 00-1169	EA		18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	286.30	103.61
			<i>For 60 Degree Bend, Deduct</i>	-54.75	
			<i>For 30 Degree Bend, Deduct</i>	-97.01	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.99	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1170 EA 24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	356.15	130.39
For 60 Degree Bend, Deduct	-67.54	
For 30 Degree Bend, Deduct	-119.81	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.75	
For 6" Overall Height Instead Of 4-5/8", Add	17.81	
26 05 36 00-1171 EA 30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	402.34	153.07
For 60 Degree Bend, Deduct	-74.09	
For 30 Degree Bend, Deduct	-131.99	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.48	
For 6" Overall Height Instead Of 4-5/8", Add	20.12	
26 05 36 00-1172 EA 36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	470.76	185.28
For 60 Degree Bend, Deduct	-84.32	
For 30 Degree Bend, Deduct	-150.83	
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-31.63	
For 6" Overall Height Instead Of 4-5/8", Add	23.54	
<b>26 05 36 00-1173 90 Degree, 12" Radius Vertical Risers</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1174 EA 6" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	237.96	73.38
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.68	
For 6" Overall Height Instead Of 4-5/8", Add	11.90	
26 05 36 00-1175 EA 9" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	261.68	83.80
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.18	
For 6" Overall Height Instead Of 4-5/8", Add	13.08	
26 05 36 00-1176 EA 12" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	278.49	92.67
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.13	
For 6" Overall Height Instead Of 4-5/8", Add	13.92	
26 05 36 00-1177 EA 18" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	317.59	113.59
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.29	
For 6" Overall Height Instead Of 4-5/8", Add	15.88	
26 05 36 00-1178 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	351.94	130.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.33	
For 6" Overall Height Instead Of 4-5/8", Add	17.60	
26 05 36 00-1179 EA 30" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	385.49	146.75
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.32	
For 6" Overall Height Instead Of 4-5/8", Add	19.27	
26 05 36 00-1180 EA 36" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	424.33	167.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-28.47	
For 6" Overall Height Instead Of 4-5/8", Add	21.22	
<b>26 05 36 00-1181 90 Degree, 24" Radius Vertical Risers</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1182 EA 6" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	252.70	76.53
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-18.89	
For 6" Overall Height Instead Of 4-5/8", Add	12.64	
26 05 36 00-1183 EA 9" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	277.14	88.05
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.38	
For 6" Overall Height Instead Of 4-5/8", Add	13.86	
26 05 36 00-1184 EA 12" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	296.60	97.82
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.51	
For 6" Overall Height Instead Of 4-5/8", Add	14.83	
26 05 36 00-1185 EA 18" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	343.38	121.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.21	
For 6" Overall Height Instead Of 4-5/8", Add	17.17	
26 05 36 00-1186 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	384.19	140.96
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.68	
For 6" Overall Height Instead Of 4-5/8", Add	19.21	
26 05 36 00-1187 EA 30" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	424.35	159.96
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.10	
For 6" Overall Height Instead Of 4-5/8", Add	21.22	
26 05 36 00-1188 EA 36" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	477.07	185.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.27	
For 6" Overall Height Instead Of 4-5/8", Add	23.85	
<b>26 05 36 00-1189 90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1190 EA 6" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	326.79	79.98
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.01	
For 6" Overall Height Instead Of 4-5/8", Add	16.34	
26 05 36 00-1191 EA 9" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	352.09	92.67
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.49	
For 6" Overall Height Instead Of 4-5/8", Add	17.60	
26 05 36 00-1192 EA 12" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	383.04	103.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.67	
For 6" Overall Height Instead Of 4-5/8", Add	19.15	
26 05 36 00-1193 EA 18" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	436.06	130.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.74	
For 6" Overall Height Instead Of 4-5/8", Add	21.80	
26 05 36 00-1194 EA 24" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	482.25	153.07
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.47	
For 6" Overall Height Instead Of 4-5/8", Add	24.11	
26 05 36 00-1195 EA 30" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	537.46	176.11
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-39.07	
For 6" Overall Height Instead Of 4-5/8", Add	26.87	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1196	EA		36" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	599.28	206.92
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.69	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.96	
<b>26 05 36 00-1197</b>			<b>12" Radius Horizontal Tees</b> (26 05 36 00-1124)		
26 05 36 00-1198	EA		6" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	363.16	140.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.57	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.16	
26 05 36 00-1199	EA		9" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	391.82	153.07
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.43	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.59	
26 05 36 00-1200	EA		12" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	405.43	159.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-27.21	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.27	
26 05 36 00-1201	EA		18" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	459.65	176.11
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-31.29	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.98	
26 05 36 00-1202	EA		24" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	508.79	195.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.59	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.44	
26 05 36 00-1203	EA		30" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	557.87	207.29
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.51	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.89	
26 05 36 00-1204	EA		36" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	645.60	234.66
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-45.00	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.28	
<b>26 05 36 00-1205</b>			<b>24" Radius Horizontal Tees</b> (26 05 36 00-1124)		
26 05 36 00-1206	EA		6" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	473.84	153.07
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.63	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.69	
26 05 36 00-1207	EA		9" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	510.97	167.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.12	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.55	
26 05 36 00-1208	EA		12" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	531.15	176.11
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.44	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.56	
26 05 36 00-1209	EA		18" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	584.50	195.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.16	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.23	
26 05 36 00-1210	EA		24" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	648.69	220.14
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-46.52	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	32.43	
26 05 36 00-1211	EA		30" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	700.28	234.66
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.47	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	35.01	
26 05 36 00-1212	EA		36" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	925.00	271.14
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-69.91	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	46.25	
<b>26 05 36 00-1213</b>			<b>36" Radius Horizontal Tees</b> (26 05 36 00-1124)		
26 05 36 00-1214	EA		6" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	588.78	167.81
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.90	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.44	
26 05 36 00-1215	EA		9" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	626.38	185.28
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.20	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.32	
26 05 36 00-1216	EA		12" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	672.82	195.47
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-50.99	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.64	
26 05 36 00-1217	EA		18" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	732.81	220.14
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.94	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	36.64	
26 05 36 00-1218	EA		24" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	822.59	251.32
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.32	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	41.13	
26 05 36 00-1219	EA		30" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	962.86	271.14
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-73.69	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	48.14	
26 05 36 00-1220	EA		36" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	1,101.08	319.93
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-83.44	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	55.05	
<b>26 05 36 00-1221</b>			<b>12" Radius Vertical Tees</b> (26 05 36 00-1124)		
26 05 36 00-1222	EA		6" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	505.46	130.39
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.68	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.27	
26 05 36 00-1223	EA		9" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	522.44	135.53
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.95	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1224 EA 12" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	533.50 -41.61 26.68	140.96
26 05 36 00-1225 EA 18" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	560.06 -43.25 28.00	153.07
26 05 36 00-1226 EA 24" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	596.80 -46.35 29.84	159.96
26 05 36 00-1227 EA 30" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	629.99 -48.32 31.50	176.11
26 05 36 00-1228 EA 36" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	672.82 -50.99 33.64	195.47
<b>26 05 36 00-1229 24" Radius Vertical Tees</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1230 EA 6" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	722.77 -60.53 36.14	140.96
26 05 36 00-1231 EA 9" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	738.79 -61.65 36.94	146.75
26 05 36 00-1232 EA 12" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	755.64 -62.81 37.78	153.07
26 05 36 00-1233 EA 18" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	794.87 -65.51 39.74	167.81
26 05 36 00-1234 EA 24" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	821.36 -67.46 41.07	176.11
26 05 36 00-1235 EA 30" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	866.30 -70.34 43.32	195.47
26 05 36 00-1236 EA 36" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	955.73 -77.23 47.79	220.14
<b>26 05 36 00-1237 36" Radius Vertical Tees</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1238 EA 6" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,183.28 -105.57 59.16	153.07
26 05 36 00-1239 EA 9" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,206.83 -107.35 60.34	159.96
26 05 36 00-1240 EA 12" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,231.89 -109.21 61.59	167.81
26 05 36 00-1241 EA 18" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,273.15 -111.87 63.66	185.28
26 05 36 00-1242 EA 24" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,302.20 -113.93 65.11	195.47
26 05 36 00-1243 EA 30" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,379.41 -119.60 68.97	220.14
26 05 36 00-1244 EA 36" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,443.39 -123.40 72.17	251.32
<b>26 05 36 00-1245 12" Radius Horizontal Crosses</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1246 EA 6" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	472.26 -32.55 23.61	176.11
26 05 36 00-1247 EA 9" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	506.51 -35.21 25.33	185.28
26 05 36 00-1248 EA 12" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	525.61 -36.27 26.28	195.47
26 05 36 00-1249 EA 18" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	587.31 -41.46 29.37	207.29
26 05 36 00-1250 EA 24" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	641.40 -44.58 32.07	234.66
26 05 36 00-1251 EA 30" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	713.24 -50.38 35.66	251.32



**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1252 EA 36" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	819.85	271.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-59.39	
For 6" Overall Height Instead Of 4-5/8", Add	40.99	
<b>26 05 36 00-1253 24" Radius Horizontal Crosses</b> (26 05 36 00-1124)		
26 05 36 00-1254 EA 6" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	668.62	195.47
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.57	
For 6" Overall Height Instead Of 4-5/8", Add	33.43	
26 05 36 00-1255 EA 9" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	698.77	207.29
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.60	
For 6" Overall Height Instead Of 4-5/8", Add	34.94	
26 05 36 00-1256 EA 12" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	730.71	220.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-54.73	
For 6" Overall Height Instead Of 4-5/8", Add	36.54	
26 05 36 00-1257 EA 18" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	773.88	234.66
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.83	
For 6" Overall Height Instead Of 4-5/8", Add	38.69	
26 05 36 00-1258 EA 24" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	868.22	271.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-64.23	
For 6" Overall Height Instead Of 4-5/8", Add	43.41	
26 05 36 00-1259 EA 30" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	935.02	293.51
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-69.04	
For 6" Overall Height Instead Of 4-5/8", Add	46.75	
26 05 36 00-1260 EA 36" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,035.88	319.93
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-76.92	
For 6" Overall Height Instead Of 4-5/8", Add	51.79	
<b>26 05 36 00-1261 36" Radius Horizontal Crosses</b> (26 05 36 00-1124)		
26 05 36 00-1262 EA 6" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	770.66	220.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-58.72	
For 6" Overall Height Instead Of 4-5/8", Add	38.53	
26 05 36 00-1263 EA 9" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	811.74	234.66
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-61.62	
For 6" Overall Height Instead Of 4-5/8", Add	40.59	
26 05 36 00-1264 EA 12" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	864.65	251.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-65.52	
For 6" Overall Height Instead Of 4-5/8", Add	43.23	
26 05 36 00-1265 EA 18" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	927.10	271.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-70.12	
For 6" Overall Height Instead Of 4-5/8", Add	46.36	
26 05 36 00-1266 EA 24" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,122.11	319.93
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-85.55	
For 6" Overall Height Instead Of 4-5/8", Add	56.11	
26 05 36 00-1267 EA 30" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,238.01	351.63
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-94.50	
For 6" Overall Height Instead Of 4-5/8", Add	61.90	
26 05 36 00-1268 EA 36" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,378.36	391.69
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-105.19	
For 6" Overall Height Instead Of 4-5/8", Add	68.92	
<b>26 05 36 00-1269 12" Radius Vertical Crosses</b> (26 05 36 00-1124)		
26 05 36 00-1270 EA 6" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	472.26	176.11
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.55	
For 6" Overall Height Instead Of 4-5/8", Add	23.61	
26 05 36 00-1271 EA 9" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	506.51	185.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-35.21	
For 6" Overall Height Instead Of 4-5/8", Add	25.33	
26 05 36 00-1272 EA 12" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	525.61	195.47
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.27	
For 6" Overall Height Instead Of 4-5/8", Add	26.28	
26 05 36 00-1273 EA 18" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	587.31	207.29
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-41.46	
For 6" Overall Height Instead Of 4-5/8", Add	29.37	
26 05 36 00-1274 EA 24" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	641.40	234.66
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-44.58	
For 6" Overall Height Instead Of 4-5/8", Add	32.07	
26 05 36 00-1275 EA 30" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	713.24	251.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.38	
For 6" Overall Height Instead Of 4-5/8", Add	35.66	
26 05 36 00-1276 EA 36" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	818.74	270.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-59.34	
For 6" Overall Height Instead Of 4-5/8", Add	40.94	
<b>26 05 36 00-1277 24" Radius Vertical Crosses</b> (26 05 36 00-1124)		
26 05 36 00-1278 EA 6" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	668.62	195.47
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-50.57	
For 6" Overall Height Instead Of 4-5/8", Add	33.43	
26 05 36 00-1279 EA 9" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	698.77	207.29
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-52.60	
For 6" Overall Height Instead Of 4-5/8", Add	34.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1280 EA 12" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	730.71	220.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-54.73	
For 6" Overall Height Instead Of 4-5/8", Add	36.54	
26 05 36 00-1281 EA 18" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	773.88	234.66
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-57.83	
For 6" Overall Height Instead Of 4-5/8", Add	38.69	
26 05 36 00-1282 EA 24" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	868.22	271.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-64.23	
For 6" Overall Height Instead Of 4-5/8", Add	43.41	
26 05 36 00-1283 EA 30" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	935.02	293.51
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-69.04	
For 6" Overall Height Instead Of 4-5/8", Add	46.75	
26 05 36 00-1284 EA 36" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	1,035.88	319.93
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-76.92	
For 6" Overall Height Instead Of 4-5/8", Add	51.79	
<b>26 05 36 00-1285 36" Radius Vertical Crosses</b> <small>(26 05 36 00-1124)</small>		
26 05 36 00-1286 EA 6" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	952.36	220.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-76.89	
For 6" Overall Height Instead Of 4-5/8", Add	47.62	
26 05 36 00-1287 EA 9" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,001.01	234.66
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-80.54	
For 6" Overall Height Instead Of 4-5/8", Add	50.05	
26 05 36 00-1288 EA 12" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,065.28	251.32
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-85.59	
For 6" Overall Height Instead Of 4-5/8", Add	53.26	
26 05 36 00-1289 EA 18" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,140.98	271.14
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-91.51	
For 6" Overall Height Instead Of 4-5/8", Add	57.05	
26 05 36 00-1290 EA 24" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,387.08	319.93
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-112.04	
For 6" Overall Height Instead Of 4-5/8", Add	69.35	
26 05 36 00-1291 EA 30" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,531.37	351.63
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-123.83	
For 6" Overall Height Instead Of 4-5/8", Add	76.57	
26 05 36 00-1292 EA 36" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,704.85	391.69
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-137.84	
For 6" Overall Height Instead Of 4-5/8", Add	85.24	
<b>26 05 36 00-1293 12" Rung Tray Fittings</b> <small>(26 05 36 00-0744)</small>		
<b>26 05 36 00-1294 90 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1295 EA 6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	199.87	73.60
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-13.86	
For 6" Overall Height Instead Of 4-5/8", Add	9.99	
26 05 36 00-1296 EA 9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	218.92	83.80
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-14.91	
For 6" Overall Height Instead Of 4-5/8", Add	10.95	
26 05 36 00-1297 EA 12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	248.29	92.67
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.11	
For 6" Overall Height Instead Of 4-5/8", Add	12.41	
26 05 36 00-1298 EA 18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	294.92	113.59
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.03	
For 6" Overall Height Instead Of 4-5/8", Add	14.75	
26 05 36 00-1299 EA 24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	348.39	130.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.97	
For 6" Overall Height Instead Of 4-5/8", Add	17.42	
26 05 36 00-1300 EA 30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	383.45	146.75
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.12	
For 6" Overall Height Instead Of 4-5/8", Add	19.17	
26 05 36 00-1301 EA 36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	447.76	167.74
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.80	
For 6" Overall Height Instead Of 4-5/8", Add	22.39	
<b>26 05 36 00-1302 90 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1303 EA 6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	264.47	76.53
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.07	
For 6" Overall Height Instead Of 4-5/8", Add	13.22	
26 05 36 00-1304 EA 9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	289.41	87.98
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-21.61	
For 6" Overall Height Instead Of 4-5/8", Add	14.47	
26 05 36 00-1305 EA 12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	312.68	97.82
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.12	
For 6" Overall Height Instead Of 4-5/8", Add	15.63	
26 05 36 00-1306 EA 18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	364.81	121.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-26.36	
For 6" Overall Height Instead Of 4-5/8", Add	18.24	
26 05 36 00-1307 EA 24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	412.86	140.96
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.54	
For 6" Overall Height Instead Of 4-5/8", Add	20.64	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1308	EA		30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	461.23	159.96
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-32.79	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.06	
26 05 36 00-1309	EA		36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	527.88	185.28
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.35	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.39	
<b>26 05 36 00-1310</b>			<b>90 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1311	EA		6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	283.91	79.98
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.73	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	14.20	
26 05 36 00-1312	EA		9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	308.79	92.60
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.17	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.44	
26 05 36 00-1313	EA		12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	344.85	103.61
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-25.85	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.24	
26 05 36 00-1314	EA		18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	410.97	130.39
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.23	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.55	
26 05 36 00-1315	EA		24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	474.18	153.07
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.66	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.71	
26 05 36 00-1316	EA		30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	534.07	176.11
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.73	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.70	
26 05 36 00-1317	EA		36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	620.58	206.92
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.82	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.03	
<b>26 05 36 00-1318</b>			<b>45 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1319	EA		6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	139.72	53.34
			<i>For 60 Degree Bend, Deduct</i>	-25.67	
			<i>For 30 Degree Bend, Deduct</i>	-45.74	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-9.53	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	6.99	
26 05 36 00-1320	EA		9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	159.40	63.98
			<i>For 60 Degree Bend, Deduct</i>	-28.09	
			<i>For 30 Degree Bend, Deduct</i>	-50.36	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-10.61	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	7.97	
26 05 36 00-1321	EA		12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	177.06	73.38
			<i>For 60 Degree Bend, Deduct</i>	-30.30	
			<i>For 30 Degree Bend, Deduct</i>	-54.58	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.59	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.85	
26 05 36 00-1322	EA		18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	219.08	92.74
			<i>For 60 Degree Bend, Deduct</i>	-36.75	
			<i>For 30 Degree Bend, Deduct</i>	-66.41	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.18	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.95	
26 05 36 00-1323	EA		24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	269.50	113.59
			<i>For 60 Degree Bend, Deduct</i>	-45.39	
			<i>For 30 Degree Bend, Deduct</i>	-81.97	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.48	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.48	
26 05 36 00-1324	EA		30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	309.27	130.39
			<i>For 60 Degree Bend, Deduct</i>	-52.07	
			<i>For 30 Degree Bend, Deduct</i>	-94.03	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-20.06	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.46	
26 05 36 00-1325	EA		36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	350.96	153.07
			<i>For 60 Degree Bend, Deduct</i>	-57.14	
			<i>For 30 Degree Bend, Deduct</i>	-103.73	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.34	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.55	
<b>26 05 36 00-1326</b>			<b>45 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1327	EA		6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	160.12	55.03
			<i>For 60 Degree Bend, Deduct</i>	-31.76	
			<i>For 30 Degree Bend, Deduct</i>	-55.98	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-11.43	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	8.01	
26 05 36 00-1328	EA		9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	186.86	66.34
			<i>For 60 Degree Bend, Deduct</i>	-36.23	
			<i>For 30 Degree Bend, Deduct</i>	-64.07	
			<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.16	
			<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1329 EA 12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	205.89	76.60
<i>For 60 Degree Bend, Deduct</i>	-38.58	
<i>For 30 Degree Bend, Deduct</i>	-68.56	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-14.21	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.29	
26 05 36 00-1330 EA 18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	247.16	97.82
<i>For 60 Degree Bend, Deduct</i>	-44.06	
<i>For 30 Degree Bend, Deduct</i>	-78.87	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.56	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.36	
26 05 36 00-1331 EA 24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	300.27	121.52
<i>For 60 Degree Bend, Deduct</i>	-52.52	
<i>For 30 Degree Bend, Deduct</i>	-94.28	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.90	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.01	
26 05 36 00-1332 EA 30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	352.23	140.96
<i>For 60 Degree Bend, Deduct</i>	-62.21	
<i>For 30 Degree Bend, Deduct</i>	-111.52	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.48	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.61	
26 05 36 00-1333 EA 36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	402.85	167.81
<i>For 60 Degree Bend, Deduct</i>	-68.62	
<i>For 30 Degree Bend, Deduct</i>	-123.69	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.30	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	20.14	
<b>26 05 36 00-1334 45 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1335 EA 6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	186.53	56.79
<i>For 60 Degree Bend, Deduct</i>	-39.79	
<i>For 30 Degree Bend, Deduct</i>	-69.48	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-13.92	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	9.33	
26 05 36 00-1336 EA 9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	208.82	68.97
<i>For 60 Degree Bend, Deduct</i>	-42.47	
<i>For 30 Degree Bend, Deduct</i>	-74.62	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-15.14	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	10.44	
26 05 36 00-1337 EA 12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	229.25	80.05
<i>For 60 Degree Bend, Deduct</i>	-44.97	
<i>For 30 Degree Bend, Deduct</i>	-79.39	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.25	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.46	
26 05 36 00-1338 EA 18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	278.35	103.61
<i>For 60 Degree Bend, Deduct</i>	-52.13	
<i>For 30 Degree Bend, Deduct</i>	-92.63	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-19.20	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.92	
26 05 36 00-1339 EA 24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	346.43	130.39
<i>For 60 Degree Bend, Deduct</i>	-64.33	
<i>For 30 Degree Bend, Deduct</i>	-114.46	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-23.78	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	17.32	
26 05 36 00-1340 EA 30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	392.03	153.07
<i>For 60 Degree Bend, Deduct</i>	-70.69	
<i>For 30 Degree Bend, Deduct</i>	-126.32	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-26.45	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	19.60	
26 05 36 00-1341 EA 36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	459.42	185.28
<i>For 60 Degree Bend, Deduct</i>	-80.58	
<i>For 30 Degree Bend, Deduct</i>	-144.59	
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.50	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.97	
<b>26 05 36 00-1342 90 Degree, 12" Radius Vertical Risers</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1343 EA 6" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	226.40	73.38
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-16.53	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	11.32	
26 05 36 00-1344 EA 9" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	249.49	83.80
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-17.96	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	12.47	
26 05 36 00-1345 EA 12" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	266.08	92.67
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-18.89	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	13.30	
26 05 36 00-1346 EA 18" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	304.76	113.59
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-21.01	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	15.24	
26 05 36 00-1347 EA 24" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	338.48	130.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-22.98	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	16.92	
26 05 36 00-1348 EA 30" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	371.40	146.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-24.91	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	18.57	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1349 EA 36" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	409.82	167.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.02	
For 6" Overall Height Instead Of 4-5/8", Add	20.49	
<b>26 05 36 00-1350 90 Degree, 24" Radius Vertical Risers</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1351 EA 6" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	240.18	76.53
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-17.64	
For 6" Overall Height Instead Of 4-5/8", Add	12.01	
26 05 36 00-1352 EA 9" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	264.10	88.05
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-19.07	
For 6" Overall Height Instead Of 4-5/8", Add	13.21	
26 05 36 00-1353 EA 12" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	283.25	97.82
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-20.17	
For 6" Overall Height Instead Of 4-5/8", Add	14.16	
26 05 36 00-1354 EA 18" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	329.29	121.52
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-22.81	
For 6" Overall Height Instead Of 4-5/8", Add	16.46	
26 05 36 00-1355 EA 24" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	369.26	140.96
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.18	
For 6" Overall Height Instead Of 4-5/8", Add	18.46	
26 05 36 00-1356 EA 30" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	408.58	159.96
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.53	
For 6" Overall Height Instead Of 4-5/8", Add	20.43	
26 05 36 00-1357 EA 36" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	460.24	185.28
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.58	
For 6" Overall Height Instead Of 4-5/8", Add	23.01	
<b>26 05 36 00-1358 90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1359 EA 6" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	307.45	79.98
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-24.08	
For 6" Overall Height Instead Of 4-5/8", Add	15.37	
26 05 36 00-1360 EA 9" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	332.32	92.67
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.51	
For 6" Overall Height Instead Of 4-5/8", Add	16.62	
26 05 36 00-1361 EA 12" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	362.01	103.61
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-27.56	
For 6" Overall Height Instead Of 4-5/8", Add	18.10	
26 05 36 00-1362 EA 18" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	414.19	130.39
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-30.55	
For 6" Overall Height Instead Of 4-5/8", Add	20.71	
26 05 36 00-1363 EA 24" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	459.54	153.07
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-33.20	
For 6" Overall Height Instead Of 4-5/8", Add	22.98	
26 05 36 00-1364 EA 30" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	513.06	176.11
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.63	
For 6" Overall Height Instead Of 4-5/8", Add	25.65	
26 05 36 00-1365 EA 36" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray .....	573.84	206.92
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-40.14	
For 6" Overall Height Instead Of 4-5/8", Add	28.69	
<b>26 05 36 00-1366 12" Radius Horizontal Tees</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1367 EA 6" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	350.33	140.96
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-23.29	
For 6" Overall Height Instead Of 4-5/8", Add	17.52	
26 05 36 00-1368 EA 9" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	378.15	153.07
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.06	
For 6" Overall Height Instead Of 4-5/8", Add	18.91	
26 05 36 00-1369 EA 12" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	391.55	159.96
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-25.82	
For 6" Overall Height Instead Of 4-5/8", Add	19.58	
26 05 36 00-1370 EA 18" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	443.03	176.11
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-29.63	
For 6" Overall Height Instead Of 4-5/8", Add	22.15	
26 05 36 00-1371 EA 24" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	490.49	195.47
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.76	
For 6" Overall Height Instead Of 4-5/8", Add	24.52	
26 05 36 00-1372 EA 30" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	536.63	207.29
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-36.39	
For 6" Overall Height Instead Of 4-5/8", Add	26.83	
26 05 36 00-1373 EA 36" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray .....	620.16	234.66
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-42.46	
For 6" Overall Height Instead Of 4-5/8", Add	31.01	
<b>26 05 36 00-1374 24" Radius Horizontal Tees</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1375 EA 6" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	451.97	153.07
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-32.44	
For 6" Overall Height Instead Of 4-5/8", Add	22.60	
26 05 36 00-1376 EA 9" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray .....	487.84	167.81
For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	-34.80	
For 6" Overall Height Instead Of 4-5/8", Add	24.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1377 EA 12" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	507.38	176.11
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.06	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.37	
26 05 36 00-1378 EA 18" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	558.63	195.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.57	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.93	
26 05 36 00-1379 EA 24" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	620.51	220.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.71	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.03	
26 05 36 00-1380 EA 30" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	669.36	234.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.38	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.47	
26 05 36 00-1381 EA 36" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	877.68	271.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.18	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	43.88	
<b>26 05 36 00-1382 36" Radius Horizontal Tees <small>(26 05 36 00-1293)</small></b>		
26 05 36 00-1383 EA 6" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	557.86	167.81
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-41.80	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	27.89	
26 05 36 00-1384 EA 9" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	594.63	185.28
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.02	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.73	
26 05 36 00-1385 EA 12" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	638.12	195.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.52	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.91	
26 05 36 00-1386 EA 18" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	696.22	220.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.28	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.81	
26 05 36 00-1387 EA 24" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	782.22	251.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.28	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	39.11	
26 05 36 00-1388 EA 30" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	911.75	271.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-68.58	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	45.59	
26 05 36 00-1389 EA 36" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,044.30	319.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-77.77	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	52.22	
<b>26 05 36 00-1390 12" Radius Vertical Tees <small>(26 05 36 00-1293)</small></b>		
26 05 36 00-1391 EA 6" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	476.65	130.39
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-36.80	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	23.83	
26 05 36 00-1392 EA 9" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	492.79	135.53
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-37.98	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.64	
26 05 36 00-1393 EA 12" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	503.64	140.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-38.62	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.18	
26 05 36 00-1394 EA 18" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	529.57	153.07
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-40.20	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	26.48	
26 05 36 00-1395 EA 24" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	563.78	159.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-43.05	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.19	
26 05 36 00-1396 EA 30" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	596.34	176.11
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-44.96	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	29.82	
26 05 36 00-1397 EA 36" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	638.12	195.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.52	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.91	
<b>26 05 36 00-1398 24" Radius Vertical Tees <small>(26 05 36 00-1293)</small></b>		
26 05 36 00-1399 EA 6" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	673.98	140.96
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.65	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.70	
26 05 36 00-1400 EA 9" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	689.37	146.75
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-56.71	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.47	
26 05 36 00-1401 EA 12" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	705.59	153.07
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-57.80	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	35.28	
26 05 36 00-1402 EA 18" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	743.35	167.81
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.35	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	37.17	
26 05 36 00-1403 EA 24" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	768.57	176.11
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-62.18	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	38.43	
26 05 36 00-1404 EA 30" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	812.25	195.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.93	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	40.61	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1405	EA		36" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	896.84 -71.34 44.84	220.14
<b>26 05 36 00-1406</b>			<b>36" Radius Vertical Tees</b> (26 05 36 00-1293)		
26 05 36 00-1407	EA		6" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,090.47 -96.29 54.52	153.07
26 05 36 00-1408	EA		9" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,112.81 -97.95 55.64	159.96
26 05 36 00-1409	EA		12" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,136.67 -99.69 56.83	167.81
26 05 36 00-1410	EA		18" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,176.72 -102.23 58.84	185.28
26 05 36 00-1411	EA		24" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,204.57 -104.17 60.23	195.47
26 05 36 00-1412	EA		30" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,278.16 -109.47 63.91	220.14
26 05 36 00-1413	EA		36" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,340.94 -113.15 67.05	251.32
<b>26 05 36 00-1414</b>			<b>12" Radius Horizontal Crosses</b> (26 05 36 00-1293)		
26 05 36 00-1415	EA		6" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	454.39 -30.76 22.72	176.11
26 05 36 00-1416	EA		9" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	486.74 -33.23 24.34	185.28
26 05 36 00-1417	EA		12" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	505.64 -34.27 25.28	195.47
26 05 36 00-1418	EA		18" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	563.13 -39.04 28.16	207.29
26 05 36 00-1419	EA		24" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	616.37 -42.08 30.82	234.66
26 05 36 00-1420	EA		30" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	683.80 -47.44 34.19	251.32
26 05 36 00-1421	EA		36" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	783.05 -55.71 39.15	271.14
<b>26 05 36 00-1422</b>			<b>24" Radius Horizontal Crosses</b> (26 05 36 00-1293)		
26 05 36 00-1423	EA		6" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	634.34 -47.14 31.72	195.47
26 05 36 00-1424	EA		9" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	663.44 -49.07 33.17	207.29
26 05 36 00-1425	EA		12" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	694.32 -51.09 34.72	220.14
26 05 36 00-1426	EA		18" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	735.61 -54.00 36.78	234.66
26 05 36 00-1427	EA		24" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	826.58 -60.07 41.33	271.14
26 05 36 00-1428	EA		30" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	890.44 -64.58 44.52	293.51
26 05 36 00-1429	EA		36" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	985.62 -71.90 49.28	319.93
<b>26 05 36 00-1430</b>			<b>36" Radius Horizontal Crosses</b> (26 05 36 00-1293)		
26 05 36 00-1431	EA		6" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	730.29 -54.68 36.51	220.14
26 05 36 00-1432	EA		9" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	769.68 -57.41 38.48	234.66



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1433 EA 12" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	820.07	251.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-61.07	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	41.00	
26 05 36 00-1434 EA 18" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	879.58	271.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-65.37	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	43.98	
26 05 36 00-1435 EA 24" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,063.22	319.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.66	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	53.16	
26 05 36 00-1436 EA 30" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,172.81	351.63
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-87.98	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	58.64	
26 05 36 00-1437 EA 36" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,305.81	391.69
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-97.94	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	65.29	
<b>26 05 36 00-1438 12" Radius Vertical Crosses</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1439 EA 6" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	454.39	176.11
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-30.76	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	22.72	
26 05 36 00-1440 EA 9" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	486.84	185.35
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-33.24	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	24.34	
26 05 36 00-1441 EA 12" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	505.58	195.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-34.27	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	25.28	
26 05 36 00-1442 EA 18" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	563.26	207.36
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-39.05	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	28.16	
26 05 36 00-1443 EA 24" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	616.37	234.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-42.08	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	30.82	
26 05 36 00-1444 EA 30" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	683.99	251.40
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.45	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.20	
26 05 36 00-1445 EA 36" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray.....	782.50	270.76
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-55.69	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	39.13	
<b>26 05 36 00-1446 24" Radius Vertical Crosses</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1447 EA 6" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	634.34	195.47
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-47.14	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	31.72	
26 05 36 00-1448 EA 9" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	663.44	207.29
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-49.07	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	33.17	
26 05 36 00-1449 EA 12" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	694.32	220.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-51.09	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	34.72	
26 05 36 00-1450 EA 18" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	735.61	234.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-54.00	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	36.78	
26 05 36 00-1451 EA 24" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	826.58	271.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-60.07	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	41.33	
26 05 36 00-1452 EA 30" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	890.44	293.51
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-64.58	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	44.52	
26 05 36 00-1453 EA 36" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray.....	985.62	319.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.90	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	49.28	
<b>26 05 36 00-1454 36" Radius Vertical Crosses</b> <small>(26 05 36 00-1293)</small>		
26 05 36 00-1455 EA 6" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	893.81	220.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-71.04	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	44.69	
26 05 36 00-1456 EA 9" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	940.02	234.66
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-74.45	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	47.00	
26 05 36 00-1457 EA 12" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,000.63	251.32
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-79.12	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	50.03	
26 05 36 00-1458 EA 18" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,072.06	271.14
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-84.61	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	53.60	
26 05 36 00-1459 EA 24" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,301.70	319.93
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-103.51	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	65.09	
26 05 36 00-1460 EA 30" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray.....	1,436.84	351.63
<i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i>	-114.38	
<i>For 6" Overall Height Instead Of 4-5/8", Add</i>	71.84	



**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1461	EA		36" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	1,599.65 -127.32 79.98	391.69
<b>26 05 36 00-1462</b>			<b>Dropout Or End Plates And Reducers</b> <small>(26 05 36 00-0744)</small>		
<b>26 05 36 00-1463</b>			<b>Straight Reducers</b> <small>(26 05 36 00-1462)</small>		
26 05 36 00-1464	EA		9"-6" Reducer, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	184.91 -13.98 9.25	54.16
26 05 36 00-1465	EA		12"-9" Reducer, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	194.48 -14.56 9.72	58.63
26 05 36 00-1466	EA		18"-12" Reducer, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	211.66 -15.53 10.58	67.65
26 05 36 00-1467	EA		24"-18" Reducer, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	231.41 -16.62 11.57	78.30
26 05 36 00-1468	EA		30"-24" Reducer, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	249.80 -17.64 12.49	88.05
26 05 36 00-1469	EA		36"-30" Reducer, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	277.04 -19.32 13.85	100.60
<b>26 05 36 00-1470</b>			<b>Reducers</b> <small>(26 05 36 00-1462)</small>		
26 05 36 00-1471	EA		18"-6" Reducer, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	211.73 -15.53 10.59	67.73
26 05 36 00-1472	EA		24"-12" Reducer, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	231.60 -16.63 11.58	78.37
26 05 36 00-1473	EA		30"-12" Reducer, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	249.69 -17.64 12.48	87.98
26 05 36 00-1474	EA		30"-18" Reducer, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	251.67 -17.84 12.58	87.90
26 05 36 00-1475	EA		36"-12" Reducer, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	274.93 -19.11 13.75	100.60
26 05 36 00-1476	EA		36"-18" Reducer, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	281.45 -19.54 14.07	103.24
26 05 36 00-1477	EA		36"-24" Reducer, Aluminum Cable Tray ..... <i>For 3-5/8" Overall Height Instead Of 4-5/8", Deduct</i> <i>For 6" Overall Height Instead Of 4-5/8", Add</i>	291.15 -20.24 14.56	106.55
<b>26 05 36 00-1478</b>			<b>Dropout Or End Plate</b> <small>(26 05 36 00-1462)</small>		
26 05 36 00-1479	EA		6" Dropout Or End Plate, Aluminum Cable Tray .....	49.20	22.02
26 05 36 00-1480	EA		9" Dropout Or End Plate, Aluminum Cable Tray .....	55.26	25.16
26 05 36 00-1481	EA		12" Dropout Or End Plate, Aluminum Cable Tray .....	59.63	27.08
26 05 36 00-1482	EA		18" Dropout Or End Plate, Aluminum Cable Tray .....	72.79	31.99
26 05 36 00-1483	EA		24" Dropout Or End Plate, Aluminum Cable Tray .....	81.52	35.22
26 05 36 00-1484	EA		30" Dropout Or End Plate, Aluminum Cable Tray .....	92.36	39.11
26 05 36 00-1485	EA		36" Dropout Or End Plate, Aluminum Cable Tray .....	103.56	44.03
<b>26 05 36 00-1486</b>			<b>Solid Bottom Cable Tray</b> <small>(26 05 36 00-0001)</small> Note: 3-5/8" Height.		
<b>26 05 36 00-1487</b>			<b>Solid Bottom Galvanized Steel Straight Tray Sections</b> <small>(26 05 36 00-1486)</small>		
26 05 36 00-1488	LF		6" Solid Bottom Steel Cable Tray, Straight Section ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	20.29 2.08	5.72
26 05 36 00-1489	LF		12" Solid Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	25.32 2.63	7.05
26 05 36 00-1490	LF		18" Solid Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	33.57 3.35	10.13
26 05 36 00-1491	LF		24" Solid Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	38.87 3.89	11.59
26 05 36 00-1492	LF		30" Solid Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	46.55 4.64	14.02
26 05 36 00-1493	LF		36" Solid Bottom Steel Cable Tray, Straight Section..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	59.95 6.32	16.07
<b>26 05 36 00-1494</b>			<b>Solid Bottom Galvanized Steel Cable Tray Fittings</b> <small>(26 05 36 00-1486)</small>		
<b>26 05 36 00-1495</b>			<b>90 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1494)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1496 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	203.33	73.46
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	18.26	
26 05 36 00-1497 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	262.91	103.31
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	22.21	
26 05 36 00-1498 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	320.97	130.39
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	26.41	
26 05 36 00-1499 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	393.31	160.18
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	32.29	
26 05 36 00-1500 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	459.92	185.65
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	38.05	
26 05 36 00-1501 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	517.08	207.29
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	43.02	
<b>26 05 36 00-1502 90 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1503 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	242.43	76.46
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	23.62	
26 05 36 00-1504 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	318.00	110.14
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	29.34	
26 05 36 00-1505 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	390.30	140.96
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	35.06	
26 05 36 00-1506 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	474.84	176.11
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	41.88	
26 05 36 00-1507 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	556.91	206.92
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	49.05	
26 05 36 00-1508 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	629.13	234.66
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	55.26	
<b>26 05 36 00-1509 90 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1510 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	301.51	79.91
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	31.91	
26 05 36 00-1511 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	385.41	117.63
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	38.21	
26 05 36 00-1512 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	487.02	153.29
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	47.50	
26 05 36 00-1513 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	576.77	195.47
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	53.93	
26 05 36 00-1514 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	692.27	234.66
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	64.73	
26 05 36 00-1515 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	789.09	270.39
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	73.29	
<b>26 05 36 00-1516 45 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1517 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	183.17	73.46
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	15.23	
26 05 36 00-1518 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	240.25	103.31
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	18.81	
26 05 36 00-1519 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	294.80	130.25
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	22.51	
26 05 36 00-1520 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	361.34	159.96
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	27.54	
26 05 36 00-1521 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	422.27	185.65
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	32.41	
26 05 36 00-1522 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray.....	473.53	206.92
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	36.55	
<b>26 05 36 00-1523 45 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1524 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	213.78	76.53
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	19.31	
26 05 36 00-1525 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	284.22	110.07
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	24.29	
26 05 36 00-1526 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	351.75	141.11
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	29.24	
26 05 36 00-1527 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	429.51	176.11
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	35.08	
26 05 36 00-1528 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	504.54	207.29
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	41.13	
26 05 36 00-1529 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray.....	569.63	234.66
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	46.33	
<b>26 05 36 00-1530 45 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1531 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	259.60	79.98
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	25.61	
26 05 36 00-1532 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	319.83	106.62
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	30.20	
26 05 36 00-1533 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	429.14	153.29
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	38.82	
26 05 36 00-1534 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	514.63	195.85
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	44.55	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1535	EA		30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	616.99	234.66
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	53.43	
26 05 36 00-1536	EA		36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray.....	705.61	271.14
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	60.66	
<b>26 05 36 00-1537</b>			<b>90 Degree, 12" Radius Vertical Risers</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1538	EA		6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray .....	220.81	73.24
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	20.92	
26 05 36 00-1539	EA		12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray .....	275.87	103.31
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	24.16	
26 05 36 00-1540	EA		18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray .....	322.58	130.39
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	26.65	
26 05 36 00-1541	EA		24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray .....	390.07	160.18
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	31.81	
26 05 36 00-1542	EA		30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray .....	440.49	185.65
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	35.14	
26 05 36 00-1543	EA		36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray .....	480.82	206.92
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	37.64	
<b>26 05 36 00-1544</b>			<b>90 Degree, 24" Radius Vertical Risers</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1545	EA		6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray .....	266.71	76.46
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	27.26	
26 05 36 00-1546	EA		12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray .....	335.81	110.14
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	32.01	
26 05 36 00-1547	EA		18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray .....	400.02	140.96
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	36.52	
26 05 36 00-1548	EA		24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray .....	473.22	176.11
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	41.63	
26 05 36 00-1549	EA		30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray .....	534.24	206.92
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	45.65	
26 05 36 00-1550	EA		36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray .....	598.37	234.66
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	50.64	
<b>26 05 36 00-1551</b>			<b>90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1552	EA		6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray .....	322.55	79.91
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	35.07	
26 05 36 00-1553	EA		12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray .....	390.19	106.84
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	40.72	
26 05 36 00-1554	EA		18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray .....	487.02	153.29
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	47.50	
26 05 36 00-1555	EA		24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray .....	580.01	195.47
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	54.42	
26 05 36 00-1556	EA		30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray .....	667.99	234.66
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	61.08	
26 05 36 00-1557	EA		36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray .....	751.85	270.39
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	67.71	
<b>26 05 36 00-1558</b>			<b>12" Radius Horizontal Tees</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1559	EA		6" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray .....	348.21	140.96
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	28.74	
26 05 36 00-1560	EA		12" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray .....	416.08	175.81
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	33.11	
26 05 36 00-1561	EA		18" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray .....	491.18	207.29
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	39.13	
26 05 36 00-1562	EA		24" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray .....	583.30	251.84
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	45.52	
26 05 36 00-1563	EA		30" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray .....	638.01	271.14
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	50.52	
26 05 36 00-1564	EA		36" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray .....	746.98	319.93
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	58.72	
<b>26 05 36 00-1565</b>			<b>24" Radius Horizontal Tees</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1566	EA		6" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray .....	431.60	153.07
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	39.23	
26 05 36 00-1567	EA		12" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray .....	531.44	195.47
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	47.13	
26 05 36 00-1568	EA		18" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray .....	619.42	234.66
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	53.80	
26 05 36 00-1569	EA		24" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray .....	798.42	293.51
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	70.84	
26 05 36 00-1570	EA		30" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray .....	870.02	319.93
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	77.18	
26 05 36 00-1571	EA		36" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray .....	1,017.10	391.69
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	87.28	
<b>26 05 36 00-1572</b>			<b>36" Radius Horizontal Tees</b> <small>(26 05 36 00-1494)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1573 EA 6" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray .....	556.49	167.81
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	55.51	
26 05 36 00-1574 EA 12" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray .....	676.12	220.14
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	64.73	
26 05 36 00-1575 EA 18" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray .....	788.58	271.14
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	73.10	
26 05 36 00-1576 EA 24" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray .....	965.54	319.93
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	91.50	
26 05 36 00-1577 EA 30" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray .....	1,057.48	352.80
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	99.83	
26 05 36 00-1578 EA 36" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray .....	1,219.47	440.26
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	109.54	
<b>26 05 36 00-1579 12" Radius Vertical Tees</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1580 EA 6" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray .....	421.06	140.96
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	39.67	
26 05 36 00-1581 EA 12" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray .....	487.79	176.11
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	43.82	
26 05 36 00-1582 EA 18" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray .....	523.35	195.47
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	45.92	
26 05 36 00-1583 EA 24" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray .....	561.77	206.92
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	49.78	
26 05 36 00-1584 EA 30" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray .....	622.66	234.66
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	54.29	
26 05 36 00-1585 EA 36" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray .....	691.44	271.14
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	58.53	
<b>26 05 36 00-1586 24" Radius Vertical Tees</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1587 EA 6" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray .....	530.36	153.07
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	54.04	
26 05 36 00-1588 EA 12" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray .....	614.01	195.47
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	59.52	
26 05 36 00-1589 EA 18" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray .....	669.64	220.14
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	63.76	
26 05 36 00-1590 EA 24" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray .....	708.46	234.66
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	67.16	
26 05 36 00-1591 EA 30" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray .....	799.91	271.14
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	74.80	
26 05 36 00-1592 EA 36" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray .....	897.54	319.93
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	81.30	
<b>26 05 36 00-1593 36" Radius Vertical Tees</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1594 EA 6" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray .....	708.25	167.52
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	78.32	
26 05 36 00-1595 EA 12" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray .....	804.02	220.14
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	83.91	
26 05 36 00-1596 EA 18" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray .....	888.33	251.32
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	91.37	
26 05 36 00-1597 EA 24" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray .....	937.53	271.14
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	95.45	
26 05 36 00-1598 EA 30" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray .....	1,099.92	319.93
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	111.66	
26 05 36 00-1599 EA 36" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray .....	1,185.11	351.63
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	119.16	
<b>26 05 36 00-1600 12" Radius Horizontal Crosses</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1601 EA 6" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray .....	429.51	176.11
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	35.08	
26 05 36 00-1602 EA 12" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray .....	492.80	207.29
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	39.37	
26 05 36 00-1603 EA 18" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray .....	592.05	251.32
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	46.93	
26 05 36 00-1604 EA 24" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray .....	683.47	293.51
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	53.60	
26 05 36 00-1605 EA 30" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray .....	803.03	351.63
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	61.85	
26 05 36 00-1606 EA 36" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray .....	890.82	391.69
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	68.34	
<b>26 05 36 00-1607 24" Radius Horizontal Crosses</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1608 EA 6" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray .....	574.13	195.85
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	53.48	
26 05 36 00-1609 EA 12" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray .....	667.99	234.66
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	61.08	
26 05 36 00-1610 EA 18" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray .....	798.42	293.51
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	70.84	
26 05 36 00-1611 EA 24" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray .....	984.62	352.80
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	88.90	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1612	EA		30" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray.....	1,081.86	391.69
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	97.00	
26 05 36 00-1613	EA		36" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray.....	1,187.09	440.26
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	104.69	
<b>26 05 36 00-1614</b>			<b>36" Radius Horizontal Crosses</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1615	EA		6" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray.....	771.64	220.14
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	79.06	
26 05 36 00-1616	EA		12" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray.....	897.05	271.14
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	89.37	
26 05 36 00-1617	EA		18" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,073.67	352.80
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	102.25	
26 05 36 00-1618	EA		24" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,227.57	391.69
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	118.85	
26 05 36 00-1619	EA		30" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,357.08	440.26
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	130.19	
26 05 36 00-1620	EA		36" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray.....	1,501.44	502.56
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	141.45	
<b>26 05 36 00-1621</b>			<b>Straight Reducers</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1622	EA		12"-6" Reducer, Solid Bottom, Steel Cable Tray.....	177.17	58.70
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	16.79	
26 05 36 00-1623	EA		18"-12" Reducer, Solid Bottom, Steel Cable Tray.....	191.53	66.34
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	17.67	
26 05 36 00-1624	EA		24"-18" Reducer, Solid Bottom, Steel Cable Tray.....	211.58	76.46
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	19.00	
26 05 36 00-1625	EA		30"-24" Reducer, Solid Bottom, Steel Cable Tray.....	237.41	88.05
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	20.94	
26 05 36 00-1626	EA		36"-30" Reducer, Solid Bottom, Steel Cable Tray.....	256.67	97.67
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	22.22	
<b>26 05 36 00-1627</b>			<b>Reducers</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1628	EA		18"-6" Reducer, Solid Bottom, Steel Cable Tray.....	191.59	66.41
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	17.67	
26 05 36 00-1629	EA		24"-12" Reducer, Solid Bottom, Steel Cable Tray.....	210.23	76.60
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	18.77	
26 05 36 00-1630	EA		30"-12" Reducer, Solid Bottom, Steel Cable Tray.....	234.07	87.98
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	20.45	
26 05 36 00-1631	EA		30"-18" Reducer, Solid Bottom, Steel Cable Tray.....	235.56	87.90
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	20.68	
26 05 36 00-1632	EA		36"-12" Reducer, Solid Bottom, Steel Cable Tray.....	255.05	97.67
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	21.98	
26 05 36 00-1633	EA		36"-18" Reducer, Solid Bottom, Steel Cable Tray.....	256.67	97.67
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	22.22	
26 05 36 00-1634	EA		36"-24" Reducer, Solid Bottom, Steel Cable Tray.....	258.58	97.82
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	22.48	
<b>26 05 36 00-1635</b>			<b>Dropout Or End Plate</b> <small>(26 05 36 00-1494)</small>		
26 05 36 00-1636	EA		6" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	53.20	22.02
26 05 36 00-1637	EA		12" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	65.32	26.86
26 05 36 00-1638	EA		18" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	75.14	31.85
26 05 36 00-1639	EA		24" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	84.68	35.22
26 05 36 00-1640	EA		30" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	94.30	39.11
26 05 36 00-1641	EA		36" Dropout Or End Plate, Solid Bottom, Steel Cable Tray.....	104.55	44.03
<b>26 05 36 00-1642</b>			<b>Solid Bottom Aluminum Straight Cable Tray Sections</b> <small>(26 05 36 00-1486)</small>		
26 05 36 00-1643	LF		6" Solid Bottom Aluminum Cable Tray, Straight Section.....	24.44	4.62
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	2.89	
26 05 36 00-1644	LF		12" Solid Bottom Aluminum Cable Tray, Straight Section.....	30.98	5.43
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	3.75	
26 05 36 00-1645	LF		18" Solid Bottom Aluminum Cable Tray, Straight Section.....	39.35	7.05
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	4.72	
26 05 36 00-1646	LF		24" Solid Bottom Aluminum Cable Tray, Straight Section.....	47.70	7.78
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	5.87	
26 05 36 00-1647	LF		30" Solid Bottom Aluminum Cable Tray, Straight Section.....	57.75	10.06
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	6.99	
26 05 36 00-1648	LF		36" Solid Bottom Steel Aluminum Tray, Straight Section.....	69.90	11.01
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	8.65	
<b>26 05 36 00-1649</b>			<b>Solid Bottom Aluminum Cable Tray Fittings</b> <small>(26 05 36 00-1486)</small>		
<b>26 05 36 00-1650</b>			<b>90 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1651	EA		6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	256.97	73.46
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	26.31	
26 05 36 00-1652	EA		12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	305.57	92.45
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	30.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1653 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	357.64	103.53
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	36.39	
26 05 36 00-1654 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	415.10	121.59
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	42.00	
26 05 36 00-1655 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	493.85	141.11
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	50.56	
26 05 36 00-1656 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	557.24	160.18
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	56.88	
<b>26 05 36 00-1657 90 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1658 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	318.85	76.46
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	35.08	
26 05 36 00-1659 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	390.32	97.96
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	42.23	
26 05 36 00-1660 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	442.11	110.07
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	47.97	
26 05 36 00-1661 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	537.00	130.39
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	58.82	
26 05 36 00-1662 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	620.70	152.85
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	67.63	
26 05 36 00-1663 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	714.11	176.11
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	77.77	
<b>26 05 36 00-1664 90 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1665 EA 6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	417.03	79.91
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	49.24	
26 05 36 00-1666 EA 12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	513.58	103.75
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	59.75	
26 05 36 00-1667 EA 18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	599.76	117.63
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	70.37	
26 05 36 00-1668 EA 24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	667.79	140.74
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	76.71	
26 05 36 00-1669 EA 30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	769.64	167.81
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	87.48	
26 05 36 00-1670 EA 36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	899.36	195.18
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	102.38	
<b>26 05 36 00-1671 45 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1672 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	227.44	73.46
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	21.87	
26 05 36 00-1673 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	272.26	92.45
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	25.42	
26 05 36 00-1674 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	316.76	103.46
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	30.27	
26 05 36 00-1675 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	367.92	121.37
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	34.96	
26 05 36 00-1676 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	436.94	141.11
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	42.02	
26 05 36 00-1677 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	492.61	159.74
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	47.27	
<b>26 05 36 00-1678 45 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1679 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	276.84	76.53
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	28.77	
26 05 36 00-1680 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	340.22	97.82
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	34.73	
26 05 36 00-1681 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	385.57	110.29
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	39.45	
26 05 36 00-1682 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	466.68	130.39
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	48.27	
26 05 36 00-1683 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	540.92	153.29
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	55.59	
26 05 36 00-1684 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	621.58	176.11
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	63.89	
<b>26 05 36 00-1685 45 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1686 EA 6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	354.76	79.98
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	39.88	
26 05 36 00-1687 EA 12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	438.31	103.53
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	48.49	
26 05 36 00-1688 EA 18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	510.93	117.63
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	57.04	
26 05 36 00-1689 EA 24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	573.09	141.11
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	62.45	
26 05 36 00-1690 EA 30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	661.84	167.81
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	71.31	
26 05 36 00-1691 EA 36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	774.23	195.85
<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	83.49	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1692			<b>90 Degree, 12" Radius Vertical Risers</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1693	EA		6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	281.88	73.24
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	30.08	
26 05 36 00-1694	EA		12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	320.30	92.45
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	32.63	
26 05 36 00-1695	EA		18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	359.75	103.53
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	36.70	
26 05 36 00-1696	EA		24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	400.38	121.59
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	39.79	
26 05 36 00-1697	EA		30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	445.48	141.11
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	43.30	
26 05 36 00-1698	EA		36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray.....	482.85	159.74
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	45.80	
26 05 36 00-1699			<b>90 Degree, 24" Radius Vertical Risers</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1700	EA		6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	354.60	76.46
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	40.44	
26 05 36 00-1701	EA		12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	409.25	97.96
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	45.07	
26 05 36 00-1702	EA		18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	448.42	110.07
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	48.92	
26 05 36 00-1703	EA		24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	505.46	130.39
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	54.08	
26 05 36 00-1704	EA		30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	559.71	152.85
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	58.48	
26 05 36 00-1705	EA		36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray.....	629.99	176.11
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	65.15	
26 05 36 00-1706			<b>90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1707	EA		6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	431.75	79.91
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	51.45	
26 05 36 00-1708	EA		12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	509.38	103.75
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	59.12	
26 05 36 00-1709	EA		18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	561.91	117.63
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	64.69	
26 05 36 00-1710	EA		24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	615.22	140.74
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	68.83	
26 05 36 00-1711	EA		30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	700.24	167.81
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	77.07	
26 05 36 00-1712	EA		36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray.....	762.67	195.18
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	81.88	
26 05 36 00-1713			<b>12" Radius Horizontal Tees</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1714	EA		6" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray .....	443.08	140.96
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	42.97	
26 05 36 00-1715	EA		12" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray .....	518.60	159.74
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	51.17	
26 05 36 00-1716	EA		18" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray .....	577.41	176.11
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	57.26	
26 05 36 00-1717	EA		24" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray .....	643.97	195.85
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	63.95	
26 05 36 00-1718	EA		30" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray .....	757.06	234.66
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	74.45	
26 05 36 00-1719	EA		36" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray .....	909.79	293.51
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	87.55	
26 05 36 00-1720			<b>24" Radius Horizontal Tees</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1721	EA		6" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray .....	597.92	153.07
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	64.18	
26 05 36 00-1722	EA		12" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray .....	680.46	176.11
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	72.72	
26 05 36 00-1723	EA		18" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray .....	763.25	195.47
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	81.90	
26 05 36 00-1724	EA		24" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray .....	927.40	234.66
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	100.00	
26 05 36 00-1725	EA		30" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray .....	1,099.06	293.51
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	115.94	
26 05 36 00-1726	EA		36" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray .....	1,218.29	320.88
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	129.26	
26 05 36 00-1727			<b>36" Radius Horizontal Tees</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1728	EA		6" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray .....	836.93	167.81
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	97.58	
26 05 36 00-1729	EA		12" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray .....	935.70	195.47
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	107.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1730 EA 18" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,071.39 124.02	220.14
26 05 36 00-1731 EA 24" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,270.88 145.56	270.39
26 05 36 00-1732 EA 30" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,492.25 165.04	352.80
26 05 36 00-1733 EA 36" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,662.26 184.06	391.69
<b>26 05 36 00-1734 12" Radius Vertical Tees</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1735 EA 6" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	531.40 56.22	140.96
26 05 36 00-1736 EA 12" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	569.46 58.76	159.96
26 05 36 00-1737 EA 18" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	594.67 61.28	167.52
26 05 36 00-1738 EA 24" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	629.52 65.12	175.81
26 05 36 00-1739 EA 30" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	691.75 71.18	195.47
26 05 36 00-1740 EA 36" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	778.09 77.60	234.66
<b>26 05 36 00-1741 24" Radius Vertical Tees</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1742 EA 6" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	692.55 78.37	153.07
26 05 36 00-1743 EA 12" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	756.17 84.07	176.11
26 05 36 00-1744 EA 18" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	803.03 89.57	185.28
26 05 36 00-1745 EA 24" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	862.09 96.73	195.47
26 05 36 00-1746 EA 30" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	955.73 106.67	220.14
26 05 36 00-1747 EA 36" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,071.10 115.59	270.39
<b>26 05 36 00-1748 36" Radius Vertical Tees</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1749 EA 6" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	962.69 116.48	167.52
26 05 36 00-1750 EA 12" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,036.84 123.34	193.13
26 05 36 00-1751 EA 18" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,101.89 130.80	206.92
26 05 36 00-1752 EA 24" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,144.99 135.06	220.14
26 05 36 00-1753 EA 30" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,260.01 147.12	251.32
26 05 36 00-1754 EA 36" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	625.80 40.54	319.93
<b>26 05 36 00-1755 12" Radius Horizontal Crosses</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1756 EA 6" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	531.61 53.08	159.96
26 05 36 00-1757 EA 12" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	592.13 59.47	176.11
26 05 36 00-1758 EA 18" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	685.50 68.34	206.92
26 05 36 00-1759 EA 24" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	805.77 78.98	251.32
26 05 36 00-1760 EA 30" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	888.14 88.15	270.39
26 05 36 00-1761 EA 36" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,018.51 99.29	320.88
<b>26 05 36 00-1762 24" Radius Horizontal Crosses</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1763 EA 6" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	756.64 84.10	176.40
26 05 36 00-1764 EA 12" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	862.09 96.73	195.47
26 05 36 00-1765 EA 18" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	973.67 106.94	234.66
26 05 36 00-1766 EA 24" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,194.99 130.20	294.31
26 05 36 00-1767 EA 30" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,312.92 143.46	320.88
26 05 36 00-1768 EA 36" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	1,462.48 154.09	391.69



**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1769			<b>36" Radius Horizontal Crosses</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1770	EA		6" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray .....1,114.45	195.47	
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	134.58	
26 05 36 00-1771	EA		12" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray .....1,218.60	220.14	
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	146.10	
26 05 36 00-1772	EA		18" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray .....1,398.17	271.14	
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	164.54	
26 05 36 00-1773	EA		24" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray .....1,618.43	352.80	
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	183.97	
26 05 36 00-1774	EA		30" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray .....1,767.41	391.69	
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	199.83	
26 05 36 00-1775	EA		36" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray .....2,037.62	440.26	
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	232.27	
26 05 36 00-1776			<b>Straight Reducers</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1777	EA		12"-6" Reducer, Solid Bottom, Aluminum Cable Tray .....214.31	50.34	
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	23.75	
26 05 36 00-1778	EA		18"-12" Reducer, Solid Bottom, Aluminum Cable Tray .....232.27	58.63	
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	25.07	
26 05 36 00-1779	EA		24"-18" Reducer, Solid Bottom, Aluminum Cable Tray .....253.58	66.34	
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	26.98	
26 05 36 00-1780	EA		30"-24" Reducer, Solid Bottom, Aluminum Cable Tray .....283.19	76.53	
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	29.72	
26 05 36 00-1781	EA		36"-30" Reducer, Solid Bottom, Aluminum Cable Tray .....310.55	87.90	
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	31.93	
26 05 36 00-1782			<b>Reducers</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1783	EA		18"-6" Reducer, Solid Bottom, Aluminum Cable Tray .....230.23	58.63	
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	24.76	
26 05 36 00-1784	EA		24"-12" Reducer, Solid Bottom, Aluminum Cable Tray .....251.68	66.48	
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	26.67	
26 05 36 00-1785	EA		30"-12" Reducer, Solid Bottom, Aluminum Cable Tray .....278.89	76.46	
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	29.09	
26 05 36 00-1786	EA		30"-18" Reducer, Solid Bottom, Aluminum Cable Tray .....280.91	76.46	
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	29.40	
26 05 36 00-1787	EA		36"-12" Reducer, Solid Bottom, Aluminum Cable Tray .....310.55	87.90	
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	31.93	
26 05 36 00-1788	EA		36"-18" Reducer, Solid Bottom, Aluminum Cable Tray .....312.66	87.90	
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	32.25	
26 05 36 00-1789	EA		36"-24" Reducer, Solid Bottom, Aluminum Cable Tray .....317.09	88.05	
			<i>For 4-5/8" Overall Height Instead Of 3-5/8", Add</i>	32.89	
26 05 36 00-1790			<b>Dropout Or End Plate</b> <small>(26 05 36 00-1649)</small>		
26 05 36 00-1791	EA		6" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray .....63.29	22.02	
26 05 36 00-1792	EA		12" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray .....74.83	26.86	
26 05 36 00-1793	EA		18" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray .....89.08	31.85	
26 05 36 00-1794	EA		24" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray .....98.34	35.22	
26 05 36 00-1795	EA		30" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray .....111.43	39.11	
26 05 36 00-1796	EA		36" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray .....127.01	44.03	
26 05 36 00-1797			<b>Vented Bottom Cable Tray</b> <small>(26 05 36 00-0001)</small>		
			Note: 6" Height.		
26 05 36 00-1798			<b>Vented Bottom Galvanized Steel Cable Tray</b> <small>(26 05 36 00-1797)</small>		
26 05 36 00-1799	LF		6" Vented Bottom Steel Cable Tray, Straight Section .....25.61	7.71	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-1.92	
26 05 36 00-1800	LF		12" Vented Bottom Steel Cable Tray, Straight Section .....30.20	8.80	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-2.29	
26 05 36 00-1801	LF		18" Vented Bottom Steel Cable Tray, Straight Section .....35.59	10.13	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-2.71	
26 05 36 00-1802	LF		24" Vented Bottom Steel Cable Tray, Straight Section .....40.85	11.59	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-3.12	
26 05 36 00-1803	LF		30" Vented Bottom Steel Cable Tray, Straight Section .....54.21	14.02	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-4.25	
26 05 36 00-1804	LF		36" Vented Bottom Steel Cable Tray, Straight Section .....63.87	17.61	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-4.92	
26 05 36 00-1805			<b>Vented Bottom Galvanized Steel Cable Tray Fittings</b> <small>(26 05 36 00-1797)</small>		
26 05 36 00-1806			<b>90 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1807	EA		6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray .....233.02	92.74	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-15.58	
26 05 36 00-1808	EA		12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray .....302.32	125.48	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-19.77	
26 05 36 00-1809	EA		18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray .....373.72	159.96	
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-24.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1810 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	458.44 -29.52	195.85
26 05 36 00-1811 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	517.25 -33.34	220.58
26 05 36 00-1812 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	592.88 -38.30	251.84
<b>26 05 36 00-1813 90 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1814 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	278.80 -19.73	97.74
26 05 36 00-1815 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	359.41 -24.65	135.53
26 05 36 00-1816 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	454.87 -30.81	176.11
26 05 36 00-1817 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	548.79 -36.53	220.14
26 05 36 00-1818 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	588.79 -39.93	227.39
26 05 36 00-1819 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	732.70 -48.81	293.51
<b>26 05 36 00-1820 90 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1821 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	345.35 -25.92	103.31
26 05 36 00-1822 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	442.96 -32.05	146.97
26 05 36 00-1823 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	564.06 -40.09	195.85
26 05 36 00-1824 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	669.66 -46.03	251.32
26 05 36 00-1825 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	770.84 -52.62	293.51
26 05 36 00-1826 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	900.00 -60.70	351.63
<b>26 05 36 00-1827 45 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1828 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	215.89 -13.86	92.82
26 05 36 00-1829 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	281.83 -17.72	125.48
26 05 36 00-1830 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	349.77 -21.67	159.74
26 05 36 00-1831 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	428.81 -26.59	195.47
26 05 36 00-1832 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	484.33 -30.05	220.58
26 05 36 00-1833 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	553.84 -34.44	251.32
<b>26 05 36 00-1834 45 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1835 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	253.45 -17.19	97.82
26 05 36 00-1836 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	330.04 -21.71	135.53
26 05 36 00-1837 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	419.84 -27.29	176.40
26 05 36 00-1838 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	508.77 -32.53	220.14
26 05 36 00-1839 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	583.40 -37.35	251.84
26 05 36 00-1840 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	679.13 -43.45	293.51
<b>26 05 36 00-1841 45 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1842 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	307.60 -22.13	103.53
26 05 36 00-1843 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	398.74 -27.66	146.53
26 05 36 00-1844 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	511.78 -34.86	195.85
26 05 36 00-1845 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	615.44 -40.56	251.84
26 05 36 00-1846 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	708.88 -46.43	293.51
26 05 36 00-1847 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray ..... <i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	832.83 -53.88	352.80

**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1848			<b>90 Degree, 12" Radius Vertical Risers</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1849	EA		6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray.....	255.38	92.45
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-17.83	
26 05 36 00-1850	EA		12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray.....	322.12	125.48
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-21.75	
26 05 36 00-1851	EA		18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray.....	381.05	159.96
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-24.77	
26 05 36 00-1852	EA		24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray.....	456.98	195.85
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-29.38	
26 05 36 00-1853	EA		30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray.....	501.11	220.58
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-31.73	
26 05 36 00-1854	EA		36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray.....	559.65	251.32
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-35.02	
26 05 36 00-1855			<b>90 Degree, 24" Radius Vertical Risers</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1856	EA		6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray.....	308.14	97.74
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-22.67	
26 05 36 00-1857	EA		12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray.....	379.95	135.53
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-26.70	
26 05 36 00-1858	EA		18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray.....	463.67	176.11
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-31.69	
26 05 36 00-1859	EA		24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray.....	542.92	220.14
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-35.95	
26 05 36 00-1860	EA		30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray.....	616.86	251.32
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-40.75	
26 05 36 00-1861	EA		36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray.....	696.03	293.51
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-45.14	
26 05 36 00-1862			<b>90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1863	EA		6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray.....	368.82	103.31
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-28.27	
26 05 36 00-1864	EA		12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray.....	453.22	146.97
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-33.08	
26 05 36 00-1865	EA		18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray.....	558.19	195.85
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-39.50	
26 05 36 00-1866	EA		24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray.....	666.73	251.32
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-45.73	
26 05 36 00-1867	EA		30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray.....	742.97	293.51
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-49.84	
26 05 36 00-1868	EA		36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray.....	867.73	351.63
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-57.47	
26 05 36 00-1869			<b>12" Radius Horizontal Tees</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1870	EA		6" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	412.33	176.11
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-26.56	
26 05 36 00-1871	EA		12" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	498.18	219.70
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-31.51	
26 05 36 00-1872	EA		18" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	569.41	251.84
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-35.95	
26 05 36 00-1873	EA		24" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	662.29	293.51
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-41.77	
26 05 36 00-1874	EA		30" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	731.31	319.93
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-46.47	
26 05 36 00-1875	EA		36" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	803.19	351.63
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-51.02	
26 05 36 00-1876			<b>24" Radius Horizontal Tees</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1877	EA		6" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	522.40	195.47
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-35.95	
26 05 36 00-1878	EA		12" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	632.99	251.32
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-42.36	
26 05 36 00-1879	EA		18" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	728.30	293.51
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-48.37	
26 05 36 00-1880	EA		24" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	897.07	351.63
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-60.40	
26 05 36 00-1881	EA		30" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	990.22	391.69
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-66.38	
26 05 36 00-1882	EA		36" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,106.37	440.26
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-73.95	
26 05 36 00-1883			<b>36" Radius Horizontal Tees</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1884	EA		6" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	648.54	220.14
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-46.51	
26 05 36 00-1885	EA		12" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	810.45	293.51
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-56.59	
26 05 36 00-1886	EA		18" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	938.57	352.80
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-64.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1887 EA 24" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,156.25	440.26
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-78.94	
26 05 36 00-1888 EA 30" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,288.90	504.92
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-86.82	
26 05 36 00-1889 EA 36" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,503.86	585.48
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-101.60	
<b>26 05 36 00-1890 12" Radius Vertical Tees</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1891 EA 6" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	491.55	176.11
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-34.48	
26 05 36 00-1892 EA 12" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	567.86	220.14
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-38.44	
26 05 36 00-1893 EA 18" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	596.51	234.66
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-40.09	
26 05 36 00-1894 EA 24" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	635.93	251.32
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-42.65	
26 05 36 00-1895 EA 30" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	682.14	271.14
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-45.62	
26 05 36 00-1896 EA 36" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray.....	767.98	319.93
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-50.13	
<b>26 05 36 00-1897 24" Radius Vertical Tees</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1898 EA 6" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	591.34	195.47
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-42.84	
26 05 36 00-1899 EA 12" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	697.54	251.32
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-48.81	
26 05 36 00-1900 EA 18" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	743.75	271.14
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-51.78	
26 05 36 00-1901 EA 24" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	803.11	293.51
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-55.85	
26 05 36 00-1902 EA 30" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	863.33	319.93
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-59.67	
26 05 36 00-1903 EA 36" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,010.76	391.69
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-68.43	
<b>26 05 36 00-1904 36" Radius Vertical Tees</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1905 EA 6" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	788.64	219.70
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-60.56	
26 05 36 00-1906 EA 12" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	921.93	293.51
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-67.73	
26 05 36 00-1907 EA 18" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	980.68	319.93
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-71.40	
26 05 36 00-1908 EA 24" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,064.72	352.80
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-77.07	
26 05 36 00-1909 EA 30" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,202.93	391.69
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-87.65	
26 05 36 00-1910 EA 36" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,395.08	502.56
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-97.63	
<b>26 05 36 00-1911 12" Radius Horizontal Crosses</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1912 EA 6" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	519.45	220.14
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-33.60	
26 05 36 00-1913 EA 12" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	573.81	251.84
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-36.39	
26 05 36 00-1914 EA 18" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	660.82	293.51
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-41.62	
26 05 36 00-1915 EA 24" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	766.51	351.63
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-47.35	
26 05 36 00-1916 EA 30" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	852.95	390.30
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-52.77	
26 05 36 00-1917 EA 36" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray.....	961.14	440.26
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-59.43	
<b>26 05 36 00-1918 24" Radius Horizontal Crosses</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1919 EA 6" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray.....	658.89	251.84
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-44.90	
26 05 36 00-1920 EA 12" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray.....	740.03	293.51
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-49.54	
26 05 36 00-1921 EA 18" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray.....	861.86	351.63
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-56.88	
26 05 36 00-1922 EA 24" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,084.37	440.26
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-71.75	
26 05 36 00-1923 EA 30" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,224.92	502.56
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-80.61	
26 05 36 00-1924 EA 36" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray.....	1,386.51	585.48
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-89.86	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 36 00-1925 36" Radius Horizontal Crosses</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1926 EA 6" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	892.60	293.51
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-64.80	
26 05 36 00-1927 EA 12" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,011.91	352.80
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-71.79	
26 05 36 00-1928 EA 18" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,166.51	440.26
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-79.96	
26 05 36 00-1929 EA 24" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,501.75	588.56
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-101.13	
26 05 36 00-1930 EA 30" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	1,748.02	705.52
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-116.01	
26 05 36 00-1931 EA 36" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray.....	2,083.66	880.54
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-134.99	
<b>26 05 36 00-1932 Straight Reducers</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1933 EA 12"-6" Reducer, Vented Bottom, Steel Cable Tray .....	199.05	74.99
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-13.66	
26 05 36 00-1934 EA 18"-12" Reducer, Vented Bottom, Steel Cable Tray .....	216.61	83.80
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-14.68	
26 05 36 00-1935 EA 24"-18" Reducer, Vented Bottom, Steel Cable Tray .....	244.92	97.67
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-16.35	
26 05 36 00-1936 EA 30"-24" Reducer, Vented Bottom, Steel Cable Tray .....	268.52	110.07
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-17.68	
26 05 36 00-1937 EA 36"-30" Reducer, Vented Bottom, Steel Cable Tray .....	292.98	121.22
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-19.20	
<b>26 05 36 00-1938 Reducers</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1939 EA 18"-6" Reducer, Vented Bottom, Steel Cable Tray .....	216.61	83.80
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-14.68	
26 05 36 00-1940 EA 24"-12" Reducer, Vented Bottom, Steel Cable Tray .....	243.74	97.82
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-16.22	
26 05 36 00-1941 EA 30"-12" Reducer, Vented Bottom, Steel Cable Tray .....	266.88	109.92
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-17.53	
26 05 36 00-1942 EA 30"-18" Reducer, Vented Bottom, Steel Cable Tray .....	268.16	109.85
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-17.66	
26 05 36 00-1943 EA 36"-12" Reducer, Vented Bottom, Steel Cable Tray .....	291.51	121.22
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-19.05	
26 05 36 00-1944 EA 36"-18" Reducer, Vented Bottom, Steel Cable Tray .....	292.98	121.22
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-19.20	
26 05 36 00-1945 EA 36"-24" Reducer, Vented Bottom, Steel Cable Tray .....	294.90	121.52
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-19.37	
<b>26 05 36 00-1946 Dropout Or End Plate</b> <small>(26 05 36 00-1805)</small>		
26 05 36 00-1947 EA 6" Dropout Or End Plate, Vented Bottom, Steel Cable Tray .....	62.80	27.08
26 05 36 00-1948 EA 12" Dropout Or End Plate, Vented Bottom, Steel Cable Tray .....	74.55	31.77
26 05 36 00-1949 EA 18" Dropout Or End Plate, Vented Bottom, Steel Cable Tray .....	82.15	35.08
26 05 36 00-1950 EA 24" Dropout Or End Plate, Vented Bottom, Steel Cable Tray .....	92.44	39.11
26 05 36 00-1951 EA 30" Dropout Or End Plate, Vented Bottom, Steel Cable Tray .....	102.48	43.95
26 05 36 00-1952 EA 36" Dropout Or End Plate, Vented Bottom, Steel Cable Tray .....	119.87	52.54
<b>26 05 36 00-1953 Vented Bottom Aluminum Cable Tray</b> <small>(26 05 36 00-1797)</small>		
26 05 36 00-1954 LF 6" Vented Bottom Aluminum Cable Tray, Straight Section .....	31.68	5.72
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-2.69	
26 05 36 00-1955 LF 9" Vented Bottom Aluminum Cable Tray, Straight Section .....	35.29	6.31
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-3.01	
26 05 36 00-1956 LF 12" Vented Bottom Aluminum Cable Tray, Straight Section .....	39.48	7.05
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-3.36	
26 05 36 00-1957 LF 18" Vented Bottom Aluminum Cable Tray, Straight Section .....	46.36	7.85
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-3.98	
26 05 36 00-1958 LF 24" Vented Bottom Aluminum Cable Tray, Straight Section .....	53.63	8.73
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-4.64	
26 05 36 00-1959 LF 30" Vented Bottom Aluminum Cable Tray, Straight Section .....	69.31	10.06
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-6.09	
26 05 36 00-1960 LF 36" Vented Bottom Aluminum Cable Tray, Straight Section .....	76.41	11.81
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-6.66	
<b>26 05 36 00-1961 Vented Bottom Aluminum Cable Tray Fittings</b> <small>(26 05 36 00-1797)</small>		
<b>26 05 36 00-1962 90 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-1963 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	299.65	92.74
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-22.24	
26 05 36 00-1964 EA 9" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	325.55	100.67
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-24.16	
26 05 36 00-1965 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	357.17	113.37
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-26.27	
26 05 36 00-1966 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	404.99	125.62
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-30.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1967 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	482.62	153.29
For 4-5/8" Overall Height Instead Of 6", Deduct	-35.49	
26 05 36 00-1968 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	573.68	176.40
For 4-5/8" Overall Height Instead Of 6", Deduct	-42.67	
26 05 36 00-1969 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	631.35	195.85
For 4-5/8" Overall Height Instead Of 6", Deduct	-46.81	
<b>26 05 36 00-1970 90 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-1971 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	373.21	97.74
For 4-5/8" Overall Height Instead Of 6", Deduct	-29.18	
26 05 36 00-1972 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	448.53	121.52
For 4-5/8" Overall Height Instead Of 6", Deduct	-34.73	
26 05 36 00-1973 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	509.82	135.53
For 4-5/8" Overall Height Instead Of 6", Deduct	-39.69	
26 05 36 00-1974 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	603.08	167.52
For 4-5/8" Overall Height Instead Of 6", Deduct	-46.35	
26 05 36 00-1975 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	695.38	195.18
For 4-5/8" Overall Height Instead Of 6", Deduct	-53.28	
26 05 36 00-1976 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	766.46	220.14
For 4-5/8" Overall Height Instead Of 6", Deduct	-58.30	
<b>26 05 36 00-1977 90 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-1978 EA 6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	468.77	103.31
For 4-5/8" Overall Height Instead Of 6", Deduct	-38.26	
26 05 36 00-1979 EA 12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	556.19	130.54
For 4-5/8" Overall Height Instead Of 6", Deduct	-44.74	
26 05 36 00-1980 EA 18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	629.77	146.97
For 4-5/8" Overall Height Instead Of 6", Deduct	-50.73	
26 05 36 00-1981 EA 24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	729.43	185.28
For 4-5/8" Overall Height Instead Of 6", Deduct	-57.50	
26 05 36 00-1982 EA 30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	793.46	179.55
For 4-5/8" Overall Height Instead Of 6", Deduct	-64.38	
26 05 36 00-1983 EA 36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	955.08	251.32
For 4-5/8" Overall Height Instead Of 6", Deduct	-74.57	
<b>26 05 36 00-1984 45 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-1985 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	267.85	92.82
For 4-5/8" Overall Height Instead Of 6", Deduct	-19.05	
26 05 36 00-1986 EA 9" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	291.00	100.82
For 4-5/8" Overall Height Instead Of 6", Deduct	-20.70	
26 05 36 00-1987 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	320.16	113.37
For 4-5/8" Overall Height Instead Of 6", Deduct	-22.57	
26 05 36 00-1988 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	361.72	125.48
For 4-5/8" Overall Height Instead Of 6", Deduct	-25.71	
26 05 36 00-1989 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	432.29	153.07
For 4-5/8" Overall Height Instead Of 6", Deduct	-30.47	
26 05 36 00-1990 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	512.14	176.40
For 4-5/8" Overall Height Instead Of 6", Deduct	-36.52	
26 05 36 00-1991 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	563.68	195.47
For 4-5/8" Overall Height Instead Of 6", Deduct	-40.08	
<b>26 05 36 00-1992 45 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-1993 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	327.09	97.82
For 4-5/8" Overall Height Instead Of 6", Deduct	-24.56	
26 05 36 00-1994 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	394.40	121.52
For 4-5/8" Overall Height Instead Of 6", Deduct	-29.32	
26 05 36 00-1995 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	447.63	135.75
For 4-5/8" Overall Height Instead Of 6", Deduct	-33.45	
26 05 36 00-1996 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	532.25	167.81
For 4-5/8" Overall Height Instead Of 6", Deduct	-39.24	
26 05 36 00-1997 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	615.12	195.85
For 4-5/8" Overall Height Instead Of 6", Deduct	-45.19	
26 05 36 00-1998 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	678.55	220.14
For 4-5/8" Overall Height Instead Of 6", Deduct	-49.51	
<b>26 05 36 00-1999 45 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2000 EA 6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	403.87	103.53
For 4-5/8" Overall Height Instead Of 6", Deduct	-31.76	
26 05 36 00-2001 EA 12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	481.18	130.25
For 4-5/8" Overall Height Instead Of 6", Deduct	-37.26	
26 05 36 00-2002 EA 18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	545.10	146.97
For 4-5/8" Overall Height Instead Of 6", Deduct	-42.26	
26 05 36 00-2003 EA 24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	637.42	185.65
For 4-5/8" Overall Height Instead Of 6", Deduct	-48.27	
26 05 36 00-2004 EA 30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	730.95	207.29
For 4-5/8" Overall Height Instead Of 6", Deduct	-55.82	
26 05 36 00-2005 EA 36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	838.06	251.84
For 4-5/8" Overall Height Instead Of 6", Deduct	-62.82	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2006			<b>90 Degree, 12" Radius Vertical Risers</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2007	EA		6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray .....330.81	330.81	92.45
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-25.37	
26 05 36 00-2008	EA		9" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray .....354.54	354.54	100.45
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-27.09	
26 05 36 00-2009	EA		12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray .....378.20	378.20	113.37
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-28.37	
26 05 36 00-2010	EA		18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray .....404.99	404.99	125.62
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-30.03	
26 05 36 00-2011	EA		24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray .....472.11	472.11	153.29
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-34.44	
26 05 36 00-2012	EA		30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray .....521.10	521.10	176.40
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-37.41	
26 05 36 00-2013	EA		36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray .....555.06	555.06	195.47
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-39.21	
26 05 36 00-2014			<b>90 Degree, 24" Radius Vertical Risers</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2015	EA		6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray .....400.55	400.55	97.74
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-31.91	
26 05 36 00-2016	EA		12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray .....461.15	461.15	121.52
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-35.99	
26 05 36 00-2017	EA		18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray .....507.72	507.72	135.53
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-39.48	
26 05 36 00-2018	EA		24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray .....565.65	565.65	167.81
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-42.58	
26 05 36 00-2019	EA		30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray .....626.56	626.56	195.47
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-46.36	
26 05 36 00-2020	EA		36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray .....682.34	682.34	220.14
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-49.89	
26 05 36 00-2021			<b>90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2022	EA		6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray .....466.67	466.67	103.31
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-38.05	
26 05 36 00-2023	EA		12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray .....533.06	533.06	130.54
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-42.43	
26 05 36 00-2024	EA		18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray .....598.22	598.22	146.97
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-47.58	
26 05 36 00-2025	EA		24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray .....691.57	691.57	185.28
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-53.72	
26 05 36 00-2026	EA		30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray .....766.07	766.07	207.29
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-59.33	
26 05 36 00-2027	EA		36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray .....852.03	852.03	251.32
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-64.26	
26 05 36 00-2028			<b>12" Radius Horizontal Tees</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2029	EA		6" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray .....514.32	514.32	176.11
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-36.76	
26 05 36 00-2030	EA		9" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray .....535.95	535.95	185.28
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-38.15	
26 05 36 00-2031	EA		12" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray .....571.30	571.30	195.18
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-40.87	
26 05 36 00-2032	EA		18" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray .....653.63	653.63	220.58
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-46.98	
26 05 36 00-2033	EA		24" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray .....746.89	746.89	251.32
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-53.75	
26 05 36 00-2034	EA		30" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray .....840.39	840.39	293.51
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-59.58	
26 05 36 00-2035	EA		36" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray .....932.84	932.84	319.93
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-66.62	
26 05 36 00-2036			<b>24" Radius Horizontal Tees</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2037	EA		6" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray .....662.31	662.31	195.47
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-49.94	
26 05 36 00-2038	EA		12" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray .....748.90	748.90	219.70
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-56.58	
26 05 36 00-2039	EA		18" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray .....839.42	839.42	251.32
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-63.00	
26 05 36 00-2040	EA		24" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray .....1,013.63	1,013.63	292.70
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-76.97	
26 05 36 00-2041	EA		30" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray .....1,155.78	1,155.78	352.80
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-86.18	
26 05 36 00-2042	EA		36" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray .....1,315.27	1,315.27	391.69
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-98.89	
26 05 36 00-2043			<b>36" Radius Horizontal Tees</b> <small>(26 05 36 00-1961)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2044 EA 6" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	907.36	220.14
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-72.39	
26 05 36 00-2045 EA 12" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,039.20	251.32
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-82.98	
26 05 36 00-2046 EA 18" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,113.06	245.16
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-90.88	
26 05 36 00-2047 EA 24" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,406.24	351.63
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-111.32	
26 05 36 00-2048 EA 30" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,609.46	442.03
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-124.11	
26 05 36 00-2049 EA 36" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,847.08	502.56
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-142.83	
<b>26 05 36 00-2050 12" Radius Vertical Tees</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2051 EA 6" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	596.34	176.11
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-44.96	
26 05 36 00-2052 EA 9" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	613.76	185.28
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-45.93	
26 05 36 00-2053 EA 12" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	653.90	195.47
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-49.10	
26 05 36 00-2054 EA 18" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	675.64	207.29
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-50.29	
26 05 36 00-2055 EA 24" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	704.74	219.70
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-52.17	
26 05 36 00-2056 EA 30" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	744.44	234.66
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-54.89	
26 05 36 00-2057 EA 36" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	818.74	270.39
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-59.34	
<b>26 05 36 00-2058 24" Radius Vertical Tees</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2059 EA 6" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	754.84	195.47
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-59.19	
26 05 36 00-2060 EA 12" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	828.82	219.70
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-64.57	
26 05 36 00-2061 EA 18" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	885.34	234.66
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-68.98	
26 05 36 00-2062 EA 24" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	944.57	251.32
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-73.52	
26 05 36 00-2063 EA 30" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,018.53	270.39
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-79.32	
26 05 36 00-2064 EA 36" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,113.14	320.88
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-84.57	
<b>26 05 36 00-2065 36" Radius Vertical Tees</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2066 EA 6" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,028.60	219.70
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-84.55	
26 05 36 00-2067 EA 12" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,123.32	251.32
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-91.39	
26 05 36 00-2068 EA 18" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,176.25	270.39
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-95.09	
26 05 36 00-2069 EA 24" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,268.59	294.31
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-102.33	
26 05 36 00-2070 EA 30" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,376.01	320.88
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-110.86	
26 05 36 00-2071 EA 36" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,533.76	390.30
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-120.85	
<b>26 05 36 00-2072 12" Radius Horizontal Crosses</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2073 EA 6" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	601.32	195.47
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-43.84	
26 05 36 00-2074 EA 9" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	639.89	207.29
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-46.72	
26 05 36 00-2075 EA 12" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	670.45	220.58
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-48.66	
26 05 36 00-2076 EA 18" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	736.37	251.32
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-52.70	
26 05 36 00-2077 EA 24" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	841.18	292.70
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-59.72	
26 05 36 00-2078 EA 30" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	960.73	319.05
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-69.49	
26 05 36 00-2079 EA 36" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray.....	1,170.16	391.69
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-84.37	
<b>26 05 36 00-2080 24" Radius Horizontal Crosses</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2081 EA 6" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	861.82	220.58
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-67.80	
26 05 36 00-2082 EA 12" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	959.29	251.32
<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-74.99	



**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2083	EA		18" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,070.41	292.70
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-82.65	
26 05 36 00-2084	EA		24" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,259.04	351.63
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-96.60	
26 05 36 00-2085	EA		30" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,376.04	390.30
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-105.08	
26 05 36 00-2086	EA		36" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray.....	1,657.81	502.56
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-123.90	
<b>26 05 36 00-2087</b>			<b>36" Radius Horizontal Crosses</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2088	EA		6" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,228.47	251.32
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-101.91	
26 05 36 00-2089	EA		12" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,352.71	294.31
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-110.75	
26 05 36 00-2090	EA		18" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,521.91	351.63
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-122.89	
26 05 36 00-2091	EA		24" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	1,819.76	442.03
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-145.14	
26 05 36 00-2092	EA		30" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	2,019.16	504.92
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-159.84	
26 05 36 00-2093	EA		36" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray.....	2,342.71	585.48
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-185.48	
<b>26 05 36 00-2094</b>			<b>Straight Reducers</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2095	EA		9"-6" Reducer, Vented Bottom, Aluminum Cable Tray.....	232.48	58.70
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-18.35	
26 05 36 00-2096	EA		12"-9" Reducer, Vented Bottom, Aluminum Cable Tray.....	243.96	61.86
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-19.24	
26 05 36 00-2097	EA		18"-12" Reducer, Vented Bottom, Aluminum Cable Tray.....	273.63	73.31
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-21.25	
26 05 36 00-2098	EA		24"-18" Reducer, Vented Bottom, Aluminum Cable Tray.....	301.43	83.72
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-23.17	
26 05 36 00-2099	EA		30"-24" Reducer, Vented Bottom, Aluminum Cable Tray.....	329.20	97.82
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-24.77	
26 05 36 00-2100	EA		36"-30" Reducer, Vented Bottom, Aluminum Cable Tray.....	355.52	109.85
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-26.40	
<b>26 05 36 00-2101</b>			<b>Reducers</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2102	EA		12"-6" Reducer, Vented Bottom, Aluminum Cable Tray.....	243.79	61.71
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-19.23	
26 05 36 00-2103	EA		18"-6" Reducer, Vented Bottom, Aluminum Cable Tray.....	273.54	73.31
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-21.25	
26 05 36 00-2104	EA		18"-9" Reducer, Vented Bottom, Aluminum Cable Tray.....	273.54	73.31
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-21.25	
26 05 36 00-2105	EA		24"-6" Reducer, Vented Bottom, Aluminum Cable Tray.....	301.53	83.80
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-23.17	
26 05 36 00-2106	EA		24"-9" Reducer, Vented Bottom, Aluminum Cable Tray.....	301.53	83.80
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-23.17	
26 05 36 00-2107	EA		24"-12" Reducer, Vented Bottom, Aluminum Cable Tray.....	301.75	83.87
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-23.18	
26 05 36 00-2108	EA		30"-12" Reducer, Vented Bottom, Aluminum Cable Tray.....	333.25	97.74
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-25.18	
26 05 36 00-2109	EA		30"-18" Reducer, Vented Bottom, Aluminum Cable Tray.....	328.91	97.67
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-24.75	
26 05 36 00-2110	EA		36"-12" Reducer, Vented Bottom, Aluminum Cable Tray.....	355.52	109.85
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-26.40	
26 05 36 00-2111	EA		36"-18" Reducer, Vented Bottom, Aluminum Cable Tray.....	355.52	109.85
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-26.40	
26 05 36 00-2112	EA		36"-24" Reducer, Vented Bottom, Aluminum Cable Tray.....	355.88	110.07
			<i>For 4-5/8" Overall Height Instead Of 6", Deduct</i>	-26.42	
<b>26 05 36 00-2113</b>			<b>Dropout Or End Plate</b> <small>(26 05 36 00-1961)</small>		
26 05 36 00-2114	EA		6" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray.....	72.67	27.08
26 05 36 00-2115	EA		9" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray.....	79.30	29.57
26 05 36 00-2116	EA		12" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray.....	85.51	31.77
26 05 36 00-2117	EA		18" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray.....	97.68	35.08
26 05 36 00-2118	EA		24" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray.....	112.55	39.11
26 05 36 00-2119	EA		30" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray.....	123.76	43.95
26 05 36 00-2120	EA		36" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray.....	141.71	50.34
<b>26 05 36 00-2121</b>			<b>Covers And Dividers</b> <small>(26 05 36 00-0001)</small>		
<b>26 05 36 00-2122</b>			<b>Galvanized Steel Covers</b> <small>(26 05 36 00-2121)</small>		
<b>26 05 36 00-2123</b>			<b>Ventilated Straight Sections</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2124	LF		6" Steel Cable Tray Cover, Straight Section.....	6.86	1.32
26 05 36 00-2125	LF		9" Steel Cable Tray Cover, Straight Section.....	8.29	1.54
26 05 36 00-2126	LF		12" Steel Cable Tray Cover, Straight Section.....	9.75	1.76



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2127 LF 18" Steel Cable Tray Cover, Straight Section .....	13.23	2.35
26 05 36 00-2128 LF 24" Steel Cable Tray Cover, Straight Section .....	16.73	3.16
26 05 36 00-2129 LF 30" Steel Cable Tray Cover, Straight Section .....	20.30	3.89
26 05 36 00-2130 LF 36" Steel Cable Tray Cover, Straight Section .....	89.30	44.10
<b>26 05 36 00-2131 90 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2132 EA 6" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover .....	42.33	4.69
26 05 36 00-2133 EA 9" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover .....	47.31	5.50
26 05 36 00-2134 EA 12" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover .....	51.18	6.53
26 05 36 00-2135 EA 18" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover .....	69.68	8.36
26 05 36 00-2136 EA 24" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover .....	85.25	10.64
26 05 36 00-2137 EA 30" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover .....	103.25	11.81
26 05 36 00-2138 EA 36" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover .....	124.73	14.09
<b>26 05 36 00-2139 90 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2140 EA 6" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover .....	65.86	5.21
26 05 36 00-2141 EA 9" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover .....	68.81	6.10
26 05 36 00-2142 EA 12" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover .....	77.54	7.34
26 05 36 00-2143 EA 18" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover .....	96.16	9.32
26 05 36 00-2144 EA 24" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover .....	117.87	11.74
26 05 36 00-2145 EA 30" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover .....	151.65	13.50
26 05 36 00-2146 EA 36" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover .....	176.34	16.00
<b>26 05 36 00-2147 90 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2148 EA 6" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover .....	93.35	5.87
26 05 36 00-2149 EA 9" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover .....	103.72	6.75
26 05 36 00-2150 EA 12" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover .....	112.25	8.36
26 05 36 00-2151 EA 18" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover .....	142.46	9.75
26 05 36 00-2152 EA 24" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover .....	172.21	13.57
26 05 36 00-2153 EA 30" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover .....	203.03	15.34
26 05 36 00-2154 EA 36" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover .....	237.60	17.61
<b>26 05 36 00-2155 45 Degree, 12" Radius Horizontal Elbows</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2156 EA 6" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover .....	32.36	4.69
<i>For 60 Degree Bend, Deduct</i>	-8.87	
<i>For 30 Degree Bend, Deduct</i>	-15.05	
26 05 36 00-2157 EA 9" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover .....	38.51	5.50
<i>For 60 Degree Bend, Deduct</i>	-10.60	
<i>For 30 Degree Bend, Deduct</i>	-17.97	
26 05 36 00-2158 EA 12" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover .....	43.11	6.53
<i>For 60 Degree Bend, Deduct</i>	-11.73	
<i>For 30 Degree Bend, Deduct</i>	-19.92	
26 05 36 00-2159 EA 18" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover .....	52.19	8.00
<i>For 60 Degree Bend, Deduct</i>	-14.16	
<i>For 30 Degree Bend, Deduct</i>	-24.04	
26 05 36 00-2160 EA 24" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover .....	60.94	9.24
<i>For 60 Degree Bend, Deduct</i>	-16.55	
<i>For 30 Degree Bend, Deduct</i>	-28.10	
26 05 36 00-2161 EA 30" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover .....	71.33	10.64
<i>For 60 Degree Bend, Deduct</i>	-19.45	
<i>For 30 Degree Bend, Deduct</i>	-33.01	
26 05 36 00-2162 EA 36" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover .....	79.71	11.74
<i>For 60 Degree Bend, Deduct</i>	-21.80	
<i>For 30 Degree Bend, Deduct</i>	-36.99	
<b>26 05 36 00-2163 45 Degree, 24" Radius Horizontal Elbows</b> <small>(26 05 36 00-2122)</small>		
26 05 36 00-2164 EA 6" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover .....	44.60	5.21
<i>For 60 Degree Bend, Deduct</i>	-12.73	
<i>For 30 Degree Bend, Deduct</i>	-21.50	
26 05 36 00-2165 EA 9" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover .....	50.47	6.10
<i>For 60 Degree Bend, Deduct</i>	-14.33	
<i>For 30 Degree Bend, Deduct</i>	-24.21	
26 05 36 00-2166 EA 12" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover .....	57.73	7.34
<i>For 60 Degree Bend, Deduct</i>	-16.23	
<i>For 30 Degree Bend, Deduct</i>	-27.46	
26 05 36 00-2167 EA 18" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover .....	66.78	8.80
<i>For 60 Degree Bend, Deduct</i>	-18.66	
<i>For 30 Degree Bend, Deduct</i>	-31.58	
26 05 36 00-2168 EA 24" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover .....	76.94	10.06
<i>For 60 Degree Bend, Deduct</i>	-21.53	
<i>For 30 Degree Bend, Deduct</i>	-36.44	
26 05 36 00-2169 EA 30" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover .....	95.90	11.74
<i>For 60 Degree Bend, Deduct</i>	-27.13	
<i>For 30 Degree Bend, Deduct</i>	-45.88	
26 05 36 00-2170 EA 36" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover .....	106.22	13.57
<i>For 60 Degree Bend, Deduct</i>	-29.85	
<i>For 30 Degree Bend, Deduct</i>	-50.51	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
<b>26 05 36 00-2171</b>		<b>45 Degree, 36" Radius Horizontal Elbows</b> <small>(26 05 36 00-2122)</small>			
26 05 36 00-2172	EA	6" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	61.83		5.87
		<i>For 60 Degree Bend, Deduct</i>	-18.16		
		<i>For 30 Degree Bend, Deduct</i>	-30.59		
26 05 36 00-2173	EA	9" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	69.98		6.75
		<i>For 60 Degree Bend, Deduct</i>	-20.49		
		<i>For 30 Degree Bend, Deduct</i>	-34.53		
26 05 36 00-2174	EA	12" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	78.47		8.36
		<i>For 60 Degree Bend, Deduct</i>	-22.69		
		<i>For 30 Degree Bend, Deduct</i>	-38.28		
26 05 36 00-2175	EA	18" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	89.58		9.32
		<i>For 60 Degree Bend, Deduct</i>	-26.00		
		<i>For 30 Degree Bend, Deduct</i>	-43.84		
26 05 36 00-2176	EA	24" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	109.18		11.37
		<i>For 60 Degree Bend, Deduct</i>	-31.67		
		<i>For 30 Degree Bend, Deduct</i>	-53.41		
26 05 36 00-2177	EA	30" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	120.88		13.57
		<i>For 60 Degree Bend, Deduct</i>	-34.69		
		<i>For 30 Degree Bend, Deduct</i>	-58.57		
26 05 36 00-2178	EA	36" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover.....	143.29		14.68
		<i>For 60 Degree Bend, Deduct</i>	-41.66		
		<i>For 30 Degree Bend, Deduct</i>	-70.25		
<b>26 05 36 00-2179</b>		<b>90 Degree, 12" Radius Vertical Risers</b> <small>(26 05 36 00-2122)</small>			
26 05 36 00-2180	EA	6" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover.....	36.59		4.69
26 05 36 00-2181	EA	9" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover.....	38.51		5.50
26 05 36 00-2182	EA	12" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover.....	42.38		6.53
26 05 36 00-2183	EA	18" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover.....	49.28		8.00
26 05 36 00-2184	EA	24" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover.....	53.93		10.35
26 05 36 00-2185	EA	30" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover.....	59.97		11.81
26 05 36 00-2186	EA	36" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover.....	75.54		14.09
<b>26 05 36 00-2187</b>		<b>90 Degree, 24" Radius Vertical Risers</b> <small>(26 05 36 00-2122)</small>			
26 05 36 00-2188	EA	6" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover.....	43.86		5.21
26 05 36 00-2189	EA	9" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover.....	49.00		6.10
26 05 36 00-2190	EA	12" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover.....	52.60		7.34
26 05 36 00-2191	EA	18" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover.....	68.22		8.80
26 05 36 00-2192	EA	24" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover.....	79.07		11.37
26 05 36 00-2193	EA	30" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover.....	90.79		13.57
26 05 36 00-2194	EA	36" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover.....	104.46		16.00
<b>26 05 36 00-2195</b>		<b>90 Degree, 36" Radius Vertical Risers</b> <small>(26 05 36 00-2122)</small>			
26 05 36 00-2196	EA	6" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	50.80		5.87
26 05 36 00-2197	EA	9" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	63.38		6.75
26 05 36 00-2198	EA	12" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	72.65		8.36
26 05 36 00-2199	EA	18" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	89.58		9.32
26 05 36 00-2200	EA	24" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	103.84		12.99
26 05 36 00-2201	EA	30" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	123.81		15.34
26 05 36 00-2202	EA	36" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover.....	145.19		17.61
<b>26 05 36 00-2203</b>		<b>12" Radius Horizontal Tees</b> <small>(26 05 36 00-2122)</small>			
26 05 36 00-2204	EA	6" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	64.85		7.63
26 05 36 00-2205	EA	9" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	68.22		8.80
26 05 36 00-2206	EA	12" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	77.35		10.35
26 05 36 00-2207	EA	18" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	92.97		11.74
26 05 36 00-2208	EA	24" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	115.02		13.57
26 05 36 00-2209	EA	30" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	141.10		19.52
26 05 36 00-2210	EA	36" Horizontal Tee, 12" Radius, Steel Cable Tray Cover.....	169.61		23.41
<b>26 05 36 00-2211</b>		<b>24" Radius Horizontal Tees</b> <small>(26 05 36 00-2122)</small>			
26 05 36 00-2212	EA	6" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	95.49		8.00
26 05 36 00-2213	EA	9" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	109.37		9.32
26 05 36 00-2214	EA	12" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	115.15		11.01
26 05 36 00-2215	EA	18" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	145.67		12.62
26 05 36 00-2216	EA	24" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	215.10		14.68
26 05 36 00-2217	EA	30" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	253.83		22.02
26 05 36 00-2218	EA	36" Horizontal Tee, 24" Radius, Steel Cable Tray Cover.....	284.23		27.08
<b>26 05 36 00-2219</b>		<b>36" Radius Horizontal Tees</b> <small>(26 05 36 00-2122)</small>			
26 05 36 00-2220	EA	6" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	162.11		8.36
26 05 36 00-2221	EA	9" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	167.38		9.75
26 05 36 00-2222	EA	12" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	186.82		11.74
26 05 36 00-2223	EA	18" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	219.21		13.57



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2224 EA 24" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	284.89	16.00
26 05 36 00-2225 EA 30" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	322.22	25.24
26 05 36 00-2226 EA 36" Horizontal Tee, 36" Radius, Steel Cable Tray Cover.....	371.52	31.92
<b>26 05 36 00-2227 12" Radius Horizontal Crosses (26 05 36 00-2122)</b>		
26 05 36 00-2228 EA 6" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	94.99	10.35
26 05 36 00-2229 EA 9" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	100.50	11.01
26 05 36 00-2230 EA 12" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	111.30	11.74
26 05 36 00-2231 EA 18" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	131.15	13.57
26 05 36 00-2232 EA 24" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	164.54	19.52
26 05 36 00-2233 EA 30" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	190.10	23.41
26 05 36 00-2234 EA 36" Horizontal Cross, 12" Radius, Steel Cable Tray Cover.....	217.94	25.16
<b>26 05 36 00-2235 24" Radius Horizontal Crosses (26 05 36 00-2122)</b>		
26 05 36 00-2236 EA 6" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	166.53	11.01
26 05 36 00-2237 EA 9" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	180.95	11.74
26 05 36 00-2238 EA 12" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	194.08	12.62
26 05 36 00-2239 EA 18" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	231.24	14.68
26 05 36 00-2240 EA 24" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	289.00	22.02
26 05 36 00-2241 EA 30" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	329.65	27.08
26 05 36 00-2242 EA 36" Horizontal Cross, 24" Radius, Steel Cable Tray Cover.....	368.60	29.27
<b>26 05 36 00-2243 36" Radius Horizontal Crosses (26 05 36 00-2122)</b>		
26 05 36 00-2244 EA 6" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	267.50	11.74
26 05 36 00-2245 EA 9" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	277.69	12.62
26 05 36 00-2246 EA 12" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	292.56	13.57
26 05 36 00-2247 EA 18" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	337.70	16.00
26 05 36 00-2248 EA 24" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	438.08	25.16
26 05 36 00-2249 EA 30" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	478.85	32.06
26 05 36 00-2250 EA 36" Horizontal Cross, 36" Radius, Steel Cable Tray Cover.....	513.45	35.22
<b>26 05 36 00-2251 Reducers (26 05 36 00-2122)</b>		
26 05 36 00-2252 EA 9"-6" Reducer, Steel Cable Tray Covers.....	42.18	5.50
26 05 36 00-2253 EA 12"-6" Reducer, Steel Cable Tray Covers.....	45.33	6.53
26 05 36 00-2254 EA 12"-9" Reducer, Steel Cable Tray Covers.....	45.33	6.53
26 05 36 00-2255 EA 18"-6" Reducer, Steel Cable Tray Covers.....	50.01	8.00
26 05 36 00-2256 EA 18"-12" Reducer, Steel Cable Tray Covers.....	50.01	8.00
26 05 36 00-2257 EA 24"-12" Reducer, Steel Cable Tray Covers.....	61.62	8.80
26 05 36 00-2258 EA 24"-18" Reducer, Steel Cable Tray Covers.....	66.02	8.80
26 05 36 00-2259 EA 30"-12" Reducer, Steel Cable Tray Covers.....	63.72	10.06
26 05 36 00-2260 EA 30"-18" Reducer, Steel Cable Tray Covers.....	68.12	10.06
26 05 36 00-2261 EA 30"-24" Reducer, Steel Cable Tray Covers.....	71.06	10.06
26 05 36 00-2262 EA 36"-12" Reducer, Steel Cable Tray Covers.....	74.05	11.01
26 05 36 00-2263 EA 36"-18" Reducer, Steel Cable Tray Covers.....	75.52	11.01
26 05 36 00-2264 EA 36"-24" Reducer, Steel Cable Tray Covers.....	76.99	11.01
26 05 36 00-2265 EA 36"-30" Reducer, Steel Cable Tray Covers.....	77.72	11.01
<b>26 05 36 00-2266 Aluminum Covers (26 05 36 00-2121)</b>		
<b>26 05 36 00-2267 Ventilated Straight Sections (26 05 36 00-2266)</b>		
26 05 36 00-2268 LF 6" Aluminum Cable Tray Cover, Straight Section .....	8.65	1.32
26 05 36 00-2269 LF 9" Aluminum Cable Tray Cover, Straight Section .....	10.35	1.54
26 05 36 00-2270 LF 12" Aluminum Cable Tray Cover, Straight Section .....	12.18	1.76
26 05 36 00-2271 LF 18" Aluminum Cable Tray Cover, Straight Section .....	16.21	2.35
26 05 36 00-2272 LF 24" Aluminum Cable Tray Cover, Straight Section .....	20.75	3.16
26 05 36 00-2273 LF 30" Aluminum Cable Tray Cover, Straight Section .....	23.44	3.89
26 05 36 00-2274 LF 36" Aluminum Cable Tray Cover, Straight Section .....	91.51	44.10
<b>26 05 36 00-2275 90 Degree, 12" Radius Horizontal Elbows (26 05 36 00-2266)</b>		
26 05 36 00-2276 EA 6" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	56.23	4.69
26 05 36 00-2277 EA 9" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	59.64	5.50
26 05 36 00-2278 EA 12" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	65.52	6.53
26 05 36 00-2279 EA 18" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	85.44	8.36
26 05 36 00-2280 EA 24" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	108.20	10.64
26 05 36 00-2281 EA 30" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	127.93	11.81
26 05 36 00-2282 EA 36" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	156.00	14.09
<b>26 05 36 00-2283 90 Degree, 24" Radius Horizontal Elbows (26 05 36 00-2266)</b>		
26 05 36 00-2284 EA 6" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	74.89	5.21
26 05 36 00-2285 EA 9" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	92.15	6.10
26 05 36 00-2286 EA 12" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	102.69	7.34
26 05 36 00-2287 EA 18" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	122.73	9.32
26 05 36 00-2288 EA 24" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	152.08	11.74

**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2289 EA 30" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	184.49	13.50
26 05 36 00-2290 EA 36" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	226.49	16.00
<b>26 05 36 00-2291 90 Degree, 36" Radius Horizontal Elbows (26 05 36 00-2266)</b>		
26 05 36 00-2292 EA 6" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	123.29	5.87
26 05 36 00-2293 EA 9" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	135.38	6.75
26 05 36 00-2294 EA 12" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	154.87	8.36
26 05 36 00-2295 EA 18" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	184.54	9.75
26 05 36 00-2296 EA 24" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	226.57	13.57
26 05 36 00-2297 EA 30" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	261.06	15.34
26 05 36 00-2298 EA 36" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	304.79	17.61
<b>26 05 36 00-2299 45 Degree, 12" Radius Horizontal Elbows (26 05 36 00-2266)</b>		
26 05 36 00-2300 EA 6" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	43.61	4.69
For 60 Degree Bend, Deduct	-12.58	
For 30 Degree Bend, Deduct	-21.23	
26 05 36 00-2301 EA 9" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	45.97	5.50
For 60 Degree Bend, Deduct	-13.06	
For 30 Degree Bend, Deduct	-22.07	
26 05 36 00-2302 EA 12" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	52.06	6.53
For 60 Degree Bend, Deduct	-14.69	
For 30 Degree Bend, Deduct	-24.84	
26 05 36 00-2303 EA 18" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	60.64	8.00
For 60 Degree Bend, Deduct	-16.95	
For 30 Degree Bend, Deduct	-28.69	
26 05 36 00-2304 EA 24" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	68.04	9.24
For 60 Degree Bend, Deduct	-18.90	
For 30 Degree Bend, Deduct	-32.01	
26 05 36 00-2305 EA 30" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	84.03	10.64
For 60 Degree Bend, Deduct	-23.64	
For 30 Degree Bend, Deduct	-39.99	
26 05 36 00-2306 EA 36" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover.....	99.48	11.74
For 60 Degree Bend, Deduct	-28.33	
For 30 Degree Bend, Deduct	-47.86	
<b>26 05 36 00-2307 45 Degree, 24" Radius Horizontal Elbows (26 05 36 00-2266)</b>		
26 05 36 00-2308 EA 6" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	50.19	5.21
For 60 Degree Bend, Deduct	-14.57	
For 30 Degree Bend, Deduct	-24.57	
26 05 36 00-2309 EA 9" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	62.70	6.10
For 60 Degree Bend, Deduct	-18.36	
For 30 Degree Bend, Deduct	-30.94	
26 05 36 00-2310 EA 12" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	66.94	7.34
For 60 Degree Bend, Deduct	-19.27	
For 30 Degree Bend, Deduct	-32.53	
26 05 36 00-2311 EA 18" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	80.94	8.80
For 60 Degree Bend, Deduct	-23.33	
For 30 Degree Bend, Deduct	-39.37	
26 05 36 00-2312 EA 24" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	98.82	10.06
For 60 Degree Bend, Deduct	-28.75	
For 30 Degree Bend, Deduct	-48.47	
26 05 36 00-2313 EA 30" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	114.25	11.74
For 60 Degree Bend, Deduct	-33.19	
For 30 Degree Bend, Deduct	-55.97	
26 05 36 00-2314 EA 36" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover.....	131.96	13.57
For 60 Degree Bend, Deduct	-38.35	
For 30 Degree Bend, Deduct	-64.67	
<b>26 05 36 00-2315 45 Degree, 36" Radius Horizontal Elbows (26 05 36 00-2266)</b>		
26 05 36 00-2316 EA 6" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	81.25	5.87
For 60 Degree Bend, Deduct	-24.57	
For 30 Degree Bend, Deduct	-41.28	
26 05 36 00-2317 EA 9" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	89.11	6.75
For 60 Degree Bend, Deduct	-26.81	
For 30 Degree Bend, Deduct	-45.06	
26 05 36 00-2318 EA 12" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	95.95	8.36
For 60 Degree Bend, Deduct	-28.46	
For 30 Degree Bend, Deduct	-47.90	
26 05 36 00-2319 EA 18" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	114.34	9.32
For 60 Degree Bend, Deduct	-34.17	
For 30 Degree Bend, Deduct	-57.46	
26 05 36 00-2320 EA 24" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	138.83	11.37
For 60 Degree Bend, Deduct	-41.45	
For 30 Degree Bend, Deduct	-69.72	
26 05 36 00-2321 EA 30" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	159.29	13.57
For 60 Degree Bend, Deduct	-47.37	
For 30 Degree Bend, Deduct	-79.70	
26 05 36 00-2322 EA 36" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover.....	180.09	14.68
For 60 Degree Bend, Deduct	-53.80	
For 30 Degree Bend, Deduct	-90.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 36 00-2323</b>	<b>90 Degree, 12" Radius Vertical Risers <small>(26 05 36 00-2266)</small></b>	
26 05 36 00-2324 EA 6" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover .....	49.06	4.69
26 05 36 00-2325 EA 9" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover .....	50.70	5.50
26 05 36 00-2326 EA 12" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover .....	56.05	6.53
26 05 36 00-2327 EA 18" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover .....	65.91	8.00
26 05 36 00-2328 EA 24" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover .....	71.94	10.35
26 05 36 00-2329 EA 30" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover .....	75.36	11.81
26 05 36 00-2330 EA 36" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover .....	90.76	14.09
<b>26 05 36 00-2331</b>	<b>90 Degree, 24" Radius Vertical Risers <small>(26 05 36 00-2266)</small></b>	
26 05 36 00-2332 EA 6" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover .....	55.97	5.21
26 05 36 00-2333 EA 9" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover .....	61.65	6.10
26 05 36 00-2334 EA 12" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover .....	67.99	7.34
26 05 36 00-2335 EA 18" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover .....	81.98	8.80
26 05 36 00-2336 EA 24" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover .....	92.53	11.37
26 05 36 00-2337 EA 30" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover .....	117.21	13.57
26 05 36 00-2338 EA 36" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover .....	129.76	16.00
<b>26 05 36 00-2339</b>	<b>90 Degree, 36" Radius Vertical Risers <small>(26 05 36 00-2266)</small></b>	
26 05 36 00-2340 EA 6" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover .....	64.41	5.87
26 05 36 00-2341 EA 9" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover .....	78.60	6.75
26 05 36 00-2342 EA 12" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover .....	91.78	8.36
26 05 36 00-2343 EA 18" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover .....	110.13	9.32
26 05 36 00-2344 EA 24" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover .....	133.15	12.99
26 05 36 00-2345 EA 30" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover .....	166.43	15.34
26 05 36 00-2346 EA 36" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover .....	180.71	17.61
<b>26 05 36 00-2347</b>	<b>12" Radius Horizontal Tees <small>(26 05 36 00-2266)</small></b>	
26 05 36 00-2348 EA 6" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover .....	80.07	7.63
26 05 36 00-2349 EA 9" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover .....	86.18	8.80
26 05 36 00-2350 EA 12" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover .....	97.12	10.35
26 05 36 00-2351 EA 18" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover .....	114.25	11.74
26 05 36 00-2352 EA 24" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover .....	142.47	13.57
26 05 36 00-2353 EA 30" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover .....	173.45	19.52
26 05 36 00-2354 EA 36" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover .....	209.39	23.41
<b>26 05 36 00-2355</b>	<b>24" Radius Horizontal Tees <small>(26 05 36 00-2266)</small></b>	
26 05 36 00-2356 EA 6" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover .....	122.70	8.00
26 05 36 00-2357 EA 9" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover .....	137.46	9.32
26 05 36 00-2358 EA 12" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover .....	155.02	11.01
26 05 36 00-2359 EA 18" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover .....	180.81	12.62
26 05 36 00-2360 EA 24" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover .....	278.86	14.68
26 05 36 00-2361 EA 30" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover .....	318.52	22.02
26 05 36 00-2362 EA 36" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover .....	358.46	27.08
<b>26 05 36 00-2363</b>	<b>36" Radius Horizontal Tees <small>(26 05 36 00-2266)</small></b>	
26 05 36 00-2364 EA 6" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover .....	213.73	8.36
26 05 36 00-2365 EA 9" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover .....	220.28	9.75
26 05 36 00-2366 EA 12" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover .....	244.61	11.74
26 05 36 00-2367 EA 18" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover .....	277.10	13.57
26 05 36 00-2368 EA 24" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover .....	350.57	16.00
26 05 36 00-2369 EA 30" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover .....	405.86	25.24
26 05 36 00-2370 EA 36" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover .....	463.28	31.92
<b>26 05 36 00-2371</b>	<b>12" Radius Horizontal Crosses <small>(26 05 36 00-2266)</small></b>	
26 05 36 00-2372 EA 6" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover .....	120.29	10.35
26 05 36 00-2373 EA 9" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover .....	127.71	11.01
26 05 36 00-2374 EA 12" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover .....	141.59	11.74
26 05 36 00-2375 EA 18" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover .....	169.81	13.57
26 05 36 00-2376 EA 24" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover .....	202.86	19.52
26 05 36 00-2377 EA 30" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover .....	240.90	23.41
26 05 36 00-2378 EA 36" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover .....	275.34	25.16
<b>26 05 36 00-2379</b>	<b>24" Radius Horizontal Crosses <small>(26 05 36 00-2266)</small></b>	
26 05 36 00-2380 EA 6" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover .....	220.26	11.01
26 05 36 00-2381 EA 9" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover .....	236.20	11.74
26 05 36 00-2382 EA 12" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover .....	254.41	12.62
26 05 36 00-2383 EA 18" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover .....	295.69	14.68
26 05 36 00-2384 EA 24" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover .....	360.55	22.02
26 05 36 00-2385 EA 30" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover .....	423.61	27.08

**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2386 EA 36" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover.....	458.89	29.27
<b>26 05 36 00-2387 36" Radius Horizontal Crosses</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2388 EA 6" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	343.45	11.74
26 05 36 00-2389 EA 9" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	359.56	12.62
26 05 36 00-2390 EA 12" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	386.46	13.57
26 05 36 00-2391 EA 18" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	426.28	16.00
26 05 36 00-2392 EA 24" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	536.21	25.16
26 05 36 00-2393 EA 30" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	621.25	32.06
26 05 36 00-2394 EA 36" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover.....	679.08	35.22
<b>26 05 36 00-2395 Reducers</b> <small>(26 05 36 00-2266)</small>		
26 05 36 00-2396 EA 9"-6" Reducer, Aluminum Cable Tray Covers.....	60.69	5.50
26 05 36 00-2397 EA 12"-6" Reducer, Aluminum Cable Tray Covers.....	64.49	6.53
26 05 36 00-2398 EA 12"-9" Reducer, Aluminum Cable Tray Covers.....	64.49	6.53
26 05 36 00-2399 EA 18"-6" Reducer, Aluminum Cable Tray Covers.....	72.21	8.00
26 05 36 00-2400 EA 18"-12" Reducer, Aluminum Cable Tray Covers.....	72.21	8.00
26 05 36 00-2401 EA 24"-12" Reducer, Aluminum Cable Tray Covers.....	79.87	8.80
26 05 36 00-2402 EA 24"-18" Reducer, Aluminum Cable Tray Covers.....	88.25	8.80
26 05 36 00-2403 EA 30"-12" Reducer, Aluminum Cable Tray Covers.....	92.49	10.06
26 05 36 00-2404 EA 30"-18" Reducer, Aluminum Cable Tray Covers.....	95.63	10.06
26 05 36 00-2405 EA 30"-24" Reducer, Aluminum Cable Tray Covers.....	97.76	10.06
26 05 36 00-2406 EA 36"-12" Reducer, Aluminum Cable Tray Covers.....	102.43	11.01
26 05 36 00-2407 EA 36"-18" Reducer, Aluminum Cable Tray Covers.....	104.53	11.01
26 05 36 00-2408 EA 36"-24" Reducer, Aluminum Cable Tray Covers.....	105.58	11.01
26 05 36 00-2409 EA 36"-30" Reducer, Aluminum Cable Tray Covers.....	106.64	11.01
<b>26 05 36 00-2410 Galvanized Steel Dividers</b> <small>(26 05 36 00-2121)</small>		
<b>26 05 36 00-2411 Straight Dividers</b> <small>(26 05 36 00-2410)</small>		
26 05 36 00-2412 LF 3" Deep Galvanized Steel Divider Strip, Straight.....	6.97	1.76
26 05 36 00-2413 LF 4" Deep Galvanized Steel Divider Strip, Straight.....	8.23	1.90
26 05 36 00-2414 LF 6" Deep Galvanized Steel Divider Strip, Straight.....	10.20	2.21
<b>26 05 36 00-2415 3" Deep Vertical Dividers</b> <small>(26 05 36 00-2410)</small>		
26 05 36 00-2416 EA Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Steel Cable Tray.....	40.78	12.62
26 05 36 00-2417 EA Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Steel Cable Tray.....	46.57	13.06
26 05 36 00-2418 EA Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Steel Cable Tray.....	49.00	13.57
26 05 36 00-2419 EA Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Steel Cable Tray.....	56.49	14.09
26 05 36 00-2420 EA Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Steel Cable Tray.....	53.55	14.09
26 05 36 00-2421 EA Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Steel Cable Tray.....	58.17	14.68
26 05 36 00-2422 EA Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Steel Cable Tray.....	68.07	15.34
26 05 36 00-2423 EA Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Steel Cable Tray.....	84.65	16.00
26 05 36 00-2424 EA Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Steel Cable.....	67.05	16.00
26 05 36 00-2425 EA Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Steel Cable Tray.....	74.89	16.80
26 05 36 00-2426 EA Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Steel Cable Tray.....	84.36	17.61
26 05 36 00-2427 EA Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Steel Cable Tray.....	107.18	18.57
<b>26 05 36 00-2428 4" Deep Vertical Dividers</b> <small>(26 05 36 00-2410)</small>		
26 05 36 00-2429 EA Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Steel Cable Tray.....	46.94	13.06
26 05 36 00-2430 EA Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Steel Cable Tray.....	51.94	13.57
26 05 36 00-2431 EA Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Steel Cable Tray.....	56.49	14.09
26 05 36 00-2432 EA Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Steel Cable Tray.....	64.77	14.68
26 05 36 00-2433 EA Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Steel Cable Tray.....	64.77	14.68
26 05 36 00-2434 EA Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Steel Cable Tray.....	76.14	15.34
26 05 36 00-2435 EA Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Steel Cable Tray.....	83.92	16.00
26 05 36 00-2436 EA Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Steel Cable Tray.....	104.23	16.80
26 05 36 00-2437 EA Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Steel Cable Tray.....	72.47	15.34
26 05 36 00-2438 EA Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Steel Cable Tray.....	80.25	16.00
26 05 36 00-2439 EA Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Steel Cable Tray.....	95.43	16.80
26 05 36 00-2440 EA Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Steel Cable Tray.....	121.03	17.61
<b>26 05 36 00-2441 6" Deep Vertical Dividers</b> <small>(26 05 36 00-2410)</small>		
26 05 36 00-2442 EA Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Steel Cable Tray.....	51.93	14.68
26 05 36 00-2443 EA Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Steel Cable Tray.....	56.34	15.34
26 05 36 00-2444 EA Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Steel Cable Tray.....	61.92	16.00
26 05 36 00-2445 EA Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Steel Cable Tray.....	71.96	16.80
26 05 36 00-2446 EA Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Steel Cable Tray.....	65.87	15.34
26 05 36 00-2447 EA Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Steel Cable Tray.....	77.32	16.00
26 05 36 00-2448 EA Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Steel Cable Tray.....	85.89	16.80
26 05 36 00-2449 EA Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Steel Cable Tray.....	105.63	17.61
26 05 36 00-2450 EA Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Steel Cable Tray.....	73.65	16.00
26 05 36 00-2451 EA Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Steel Cable Tray.....	85.89	16.80
26 05 36 00-2452 EA Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Steel Cable Tray.....	105.63	17.61



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2453 EA Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Steel Cable Tray .....	129.18	18.57
<b>26 05 36 00-2454 Horizontal Dividers</b> <small>(26 05 36 00-2410)</small>		
26 05 36 00-2455 EA 3" Deep Horizontal Fitting Divider Strip, Steel Cable Tray .....	45.99	10.64
26 05 36 00-2456 EA 4" Deep Horizontal Fitting Divider Strip, Steel Cable Tray .....	51.13	11.74
26 05 36 00-2457 EA 6" Deep Horizontal Fitting Divider Strip, Steel Cable Tray .....	62.05	13.06
<b>26 05 36 00-2458 Aluminum Dividers</b> <small>(26 05 36 00-2121)</small>		
<b>26 05 36 00-2459 Straight Dividers</b> <small>(26 05 36 00-2458)</small>		
26 05 36 00-2460 LF 3" Deep Aluminum Divider Strip, Straight .....	8.57	1.68
26 05 36 00-2461 LF 4" Deep Aluminum Divider Strip, Straight .....	10.23	1.83
26 05 36 00-2462 LF 6" Deep Aluminum Divider Strip, Straight .....	12.81	2.06
<b>26 05 36 00-2463 3" Deep Vertical Dividers</b> <small>(26 05 36 00-2458)</small>		
26 05 36 00-2464 EA Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray .....	44.33	12.18
26 05 36 00-2465 EA Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray .....	49.37	12.62
26 05 36 00-2466 EA Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray .....	54.94	13.06
26 05 36 00-2467 EA Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray .....	64.66	13.57
26 05 36 00-2468 EA Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray .....	62.56	13.57
26 05 36 00-2469 EA Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray .....	69.75	14.09
26 05 36 00-2470 EA Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray .....	82.26	14.68
26 05 36 00-2471 EA Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray .....	104.39	15.34
26 05 36 00-2472 EA Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray .....	86.52	15.34
26 05 36 00-2473 EA Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray .....	105.57	16.00
26 05 36 00-2474 EA Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray .....	129.94	16.80
26 05 36 00-2475 EA Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray .....	162.89	17.61
<b>26 05 36 00-2476 4" Deep Vertical Dividers</b> <small>(26 05 36 00-2458)</small>		
26 05 36 00-2477 EA Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray .....	54.94	12.62
26 05 36 00-2478 EA Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray .....	61.14	13.06
26 05 36 00-2479 EA Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray .....	67.81	13.57
26 05 36 00-2480 EA Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray .....	77.11	14.09
26 05 36 00-2481 EA Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray .....	76.05	14.09
26 05 36 00-2482 EA Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray .....	89.62	14.68
26 05 36 00-2483 EA Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray .....	102.29	15.34
26 05 36 00-2484 EA Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray .....	131.86	16.00
26 05 36 00-2485 EA Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray .....	106.45	14.68
26 05 36 00-2486 EA Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray .....	130.68	15.34
26 05 36 00-2487 EA Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray .....	154.99	16.00
26 05 36 00-2488 EA Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray .....	189.88	16.80
<b>26 05 36 00-2489 6" Deep Vertical Dividers</b> <small>(26 05 36 00-2458)</small>		
26 05 36 00-2490 EA Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray .....	60.70	14.09
26 05 36 00-2491 EA Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray .....	68.59	14.68
26 05 36 00-2492 EA Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray .....	71.80	15.34
26 05 36 00-2493 EA Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray .....	81.39	16.00
26 05 36 00-2494 EA Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray .....	79.11	14.68
26 05 36 00-2495 EA Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray .....	100.19	15.34
26 05 36 00-2496 EA Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray .....	108.73	16.00
26 05 36 00-2497 EA Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray .....	139.41	16.80
26 05 36 00-2498 EA Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray .....	108.60	15.34
26 05 36 00-2499 EA Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray .....	138.17	16.00
26 05 36 00-2500 EA Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray .....	159.39	16.80
26 05 36 00-2501 EA Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray .....	187.07	17.61
<b>26 05 36 00-2502 Horizontal Dividers</b> <small>(26 05 36 00-2458)</small>		
26 05 36 00-2503 EA 3" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray .....	55.07	10.06
26 05 36 00-2504 EA 4" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray .....	60.41	11.01
26 05 36 00-2505 EA 6" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray .....	75.98	12.18
<b>26 05 36 00-2506 Wall Brackets</b> <small>(26 05 36 00-0001)</small>		
<b>26 05 36 00-2507 Wall Brackets</b> <small>(26 05 36 00-2506)</small>		
26 05 36 00-2508 EA 6" Wide Tray Wall Bracket .....	57.49	14.68
26 05 36 00-2509 EA 9" Wide Tray Wall Bracket .....	59.53	15.34
26 05 36 00-2510 EA 12" Wide Tray Wall Bracket .....	65.43	16.00
26 05 36 00-2511 EA 18" Wide Tray Wall Bracket .....	69.51	16.80
26 05 36 00-2512 EA 24" Wide Tray Wall Bracket .....	75.63	17.61
26 05 36 00-2513 EA 30" Wide Tray Wall Bracket .....	90.39	18.57
26 05 36 00-2514 EA 36" Wide Tray Wall Bracket .....	108.56	19.81



**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2515			Fiberglass Cable Tray <small>(26 05 36 00-0001)</small>		
26 05 36 00-2516			Ladder Bottom Fiberglass Cable Tray <small>(26 05 36 00-2515)</small> Note: Excludes hangers and support system.		
26 05 36 00-2517			Straight Tray Sections <small>(26 05 36 00-2516)</small>		
26 05 36 00-2518	LF		6" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing .....	8.33	1.98
			For 9" Rung Spacing, Add	0.19	
			For 6" Rung Spacing, Add	0.81	
			For 4" Rung Spacing, Add	1.48	
			For 18" Rung Spacing, Deduct	-0.13	
			For Solid Bottom, Add	2.06	
			For Vented Trough Bottom, Add	2.52	
26 05 36 00-2519	LF		9" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing .....	9.24	2.43
			For 9" Rung Spacing, Add	0.19	
			For 6" Rung Spacing, Add	0.84	
			For 4" Rung Spacing, Add	1.53	
			For 18" Rung Spacing, Deduct	-0.14	
			For Solid Bottom, Add	2.22	
			For Vented Trough Bottom, Add	2.69	
26 05 36 00-2520	LF		12" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	10.13	2.94
			For 9" Rung Spacing, Add	0.20	
			For 6" Rung Spacing, Add	0.86	
			For 4" Rung Spacing, Add	1.58	
			For 18" Rung Spacing, Deduct	-0.14	
			For Solid Bottom, Add	2.38	
			For Vented Trough Bottom, Add	2.84	
26 05 36 00-2521	LF		18" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	12.03	3.89
			For 9" Rung Spacing, Add	0.22	
			For 6" Rung Spacing, Add	0.92	
			For 4" Rung Spacing, Add	1.69	
			For 18" Rung Spacing, Deduct	-0.15	
			For Solid Bottom, Add	2.73	
			For Vented Trough Bottom, Add	3.20	
26 05 36 00-2522	LF		24" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	13.91	4.91
			For 9" Rung Spacing, Add	0.23	
			For 6" Rung Spacing, Add	0.99	
			For 4" Rung Spacing, Add	1.81	
			For 18" Rung Spacing, Deduct	-0.16	
			For Solid Bottom, Add	3.07	
			For Vented Trough Bottom, Add	3.55	
26 05 36 00-2523	LF		30" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	15.20	5.35
			For 9" Rung Spacing, Add	0.25	
			For 6" Rung Spacing, Add	1.07	
			For 4" Rung Spacing, Add	1.96	
			For 18" Rung Spacing, Deduct	-0.18	
			For Solid Bottom, Add	3.35	
			For Vented Trough Bottom, Add	3.86	
26 05 36 00-2524	LF		36" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing.....	16.51	5.87
			For 9" Rung Spacing, Add	0.27	
			For 6" Rung Spacing, Add	1.16	
			For 4" Rung Spacing, Add	2.12	
			For 18" Rung Spacing, Deduct	-0.19	
			For Solid Bottom, Add	3.63	
			For Vented Trough Bottom, Add	4.18	
26 05 36 00-2525			90 Degree Horizontal Elbows <small>(26 05 36 00-2516)</small>		
26 05 36 00-2526	EA		6" Horizontal 90 Degree Elbow, Fiberglass Cable Tray .....	43.84	14.68
			For 9" Rung Spacing, Add	0.76	
			For 6" Rung Spacing, Add	3.27	
			For 4" Rung Spacing, Add	6.00	
			For 18" Rung Spacing, Deduct	-0.55	
			For Solid Bottom, Add	9.85	
			For Vented Trough Bottom, Add	11.48	
			For 60 Degree Bend, Deduct	-9.40	
			For 45 Degree Bend, Deduct	-12.90	
			For 30 Degree Bend, Deduct	-16.41	
26 05 36 00-2527	EA		9" Horizontal 90 Degree Elbow, Fiberglass Cable Tray .....	48.75	17.09
			For 9" Rung Spacing, Add	0.81	
			For 6" Rung Spacing, Add	3.46	
			For 4" Rung Spacing, Add	6.34	
			For 18" Rung Spacing, Deduct	-0.58	
			For Solid Bottom, Add	10.77	
			For Vented Trough Bottom, Add	12.44	
			For 60 Degree Bend, Deduct	-10.18	
			For 45 Degree Bend, Deduct	-14.00	
			For 30 Degree Bend, Deduct	-17.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2528 EA 12" Horizontal 90 Degree Elbow, Fiberglass Cable Tray .....	56.60	21.50
For 9" Rung Spacing, Add	0.85	
For 6" Rung Spacing, Add	3.65	
For 4" Rung Spacing, Add	6.69	
For 18" Rung Spacing, Deduct	-0.61	
For Solid Bottom, Add	12.14	
For Vented Trough Bottom, Add	13.76	
For 60 Degree Bend, Deduct	-11.25	
For 45 Degree Bend, Deduct	-15.54	
For 30 Degree Bend, Deduct	-19.83	
26 05 36 00-2529 EA 18" Horizontal 90 Degree Elbow, Fiberglass Cable Tray .....	66.83	25.98
For 9" Rung Spacing, Add	0.98	
For 6" Rung Spacing, Add	4.19	
For 4" Rung Spacing, Add	7.68	
For 18" Rung Spacing, Deduct	-0.70	
For Solid Bottom, Add	14.22	
For Vented Trough Bottom, Add	16.04	
For 60 Degree Bend, Deduct	-13.11	
For 45 Degree Bend, Deduct	-18.13	
For 30 Degree Bend, Deduct	-23.15	
26 05 36 00-2530 EA 24" Horizontal 90 Degree Elbow, Fiberglass Cable Tray .....	75.48	29.87
For 9" Rung Spacing, Add	1.08	
For 6" Rung Spacing, Add	4.61	
For 4" Rung Spacing, Add	8.45	
For 18" Rung Spacing, Deduct	-0.77	
For Solid Bottom, Add	15.93	
For Vented Trough Bottom, Add	17.88	
For 60 Degree Bend, Deduct	-14.61	
For 45 Degree Bend, Deduct	-20.23	
For 30 Degree Bend, Deduct	-25.85	
26 05 36 00-2531 EA 30" Horizontal 90 Degree Elbow, Fiberglass Cable Tray .....	83.00	31.85
For 9" Rung Spacing, Add	1.24	
For 6" Rung Spacing, Add	5.30	
For 4" Rung Spacing, Add	9.71	
For 18" Rung Spacing, Deduct	-0.88	
For Solid Bottom, Add	17.75	
For Vented Trough Bottom, Add	20.08	
For 60 Degree Bend, Deduct	-16.42	
For 45 Degree Bend, Deduct	-22.69	
For 30 Degree Bend, Deduct	-28.96	
26 05 36 00-2532 EA 36" Horizontal 90 Degree Elbow, Fiberglass Cable Tray .....	91.90	34.27
For 9" Rung Spacing, Add	1.42	
For 6" Rung Spacing, Add	6.08	
For 4" Rung Spacing, Add	11.15	
For 18" Rung Spacing, Deduct	-1.01	
For Solid Bottom, Add	19.87	
For Vented Trough Bottom, Add	22.64	
For 60 Degree Bend, Deduct	-18.51	
For 45 Degree Bend, Deduct	-25.54	
For 30 Degree Bend, Deduct	-32.57	
<b>26 05 36 00-2533 Inside Or Outside Vertical Risers (26 05 36 00-2516)</b>		
26 05 36 00-2534 EA 6" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray .....	66.63	14.68
For 9" Rung Spacing, Add	1.56	
For 6" Rung Spacing, Add	6.69	
For 4" Rung Spacing, Add	12.27	
For 18" Rung Spacing, Deduct	-1.12	
For Solid Bottom, Add	16.69	
For Vented Trough Bottom, Add	20.60	
For 60 Degree Bend, Deduct	-16.92	
For 45 Degree Bend, Deduct	-22.93	
For 30 Degree Bend, Deduct	-28.94	
26 05 36 00-2535 EA 9" Vertical Inside Or Outside Riser 90, Fiberglass .....	70.92	17.09
For 9" Rung Spacing, Add	1.58	
For 6" Rung Spacing, Add	6.79	
For 4" Rung Spacing, Add	12.44	
For 18" Rung Spacing, Deduct	-1.13	
For Solid Bottom, Add	17.42	
For Vented Trough Bottom, Add	21.31	
For 60 Degree Bend, Deduct	-17.50	
For 45 Degree Bend, Deduct	-23.76	
For 30 Degree Bend, Deduct	-30.02	
26 05 36 00-2536 EA 12" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray .....	78.15	21.50
For 9" Rung Spacing, Add	1.61	
For 6" Rung Spacing, Add	6.88	
For 4" Rung Spacing, Add	12.61	
For 18" Rung Spacing, Deduct	-1.15	
For Solid Bottom, Add	18.60	
For Vented Trough Bottom, Add	22.38	
For 60 Degree Bend, Deduct	-18.36	
For 45 Degree Bend, Deduct	-25.02	
For 30 Degree Bend, Deduct	-31.68	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2537	EA		18" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	86.14	25.98
			For 9" Rung Spacing, Add	1.65	
			For 6" Rung Spacing, Add	7.09	
			For 4" Rung Spacing, Add	12.99	
			For 18" Rung Spacing, Deduct	-1.18	
			For Solid Bottom, Add	20.01	
			For Vented Trough Bottom, Add	23.76	
			For 60 Degree Bend, Deduct	-19.48	
			For 45 Degree Bend, Deduct	-26.62	
			For 30 Degree Bend, Deduct	-33.77	
26 05 36 00-2538	EA		24" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	93.26	29.87
			For 9" Rung Spacing, Add	1.70	
			For 6" Rung Spacing, Add	7.28	
			For 4" Rung Spacing, Add	13.34	
			For 18" Rung Spacing, Deduct	-1.21	
			For Solid Bottom, Add	21.26	
			For Vented Trough Bottom, Add	25.00	
			For 60 Degree Bend, Deduct	-20.48	
			For 45 Degree Bend, Deduct	-28.05	
			For 30 Degree Bend, Deduct	-35.63	
26 05 36 00-2539	EA		30" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	97.46	31.85
			For 9" Rung Spacing, Add	1.74	
			For 6" Rung Spacing, Add	7.46	
			For 4" Rung Spacing, Add	13.68	
			For 18" Rung Spacing, Deduct	-1.24	
			For Solid Bottom, Add	22.08	
			For Vented Trough Bottom, Add	25.87	
			For 60 Degree Bend, Deduct	-21.19	
			For 45 Degree Bend, Deduct	-29.05	
			For 30 Degree Bend, Deduct	-36.91	
26 05 36 00-2540	EA		36" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray.....	106.33	34.27
			For 9" Rung Spacing, Add	1.92	
			For 6" Rung Spacing, Add	8.25	
			For 4" Rung Spacing, Add	15.12	
			For 18" Rung Spacing, Deduct	-1.37	
			For Solid Bottom, Add	24.20	
			For Vented Trough Bottom, Add	28.41	
			For 60 Degree Bend, Deduct	-23.28	
			For 45 Degree Bend, Deduct	-31.89	
			For 30 Degree Bend, Deduct	-40.51	
26 05 36 00-2541			<b>Horizontal Tees</b> <small>(26 05 36 00-2516)</small>		
26 05 36 00-2542	EA		6" Horizontal Tee, Fiberglass Cable Tray .....	93.53	36.69
			For 9" Rung Spacing, Add	1.35	
			For 6" Rung Spacing, Add	5.78	
			For 4" Rung Spacing, Add	10.59	
			For 18" Rung Spacing, Deduct	-0.96	
			For Solid Bottom, Add	19.80	
			For Vented Trough Bottom, Add	22.28	
26 05 36 00-2543	EA		9" Horizontal Tee, Fiberglass Cable Tray .....	104.59	43.07
			For 9" Rung Spacing, Add	1.40	
			For 6" Rung Spacing, Add	6.00	
			For 4" Rung Spacing, Add	11.01	
			For 18" Rung Spacing, Deduct	-1.00	
			For Solid Bottom, Add	21.69	
			For Vented Trough Bottom, Add	24.08	
26 05 36 00-2544	EA		12" Horizontal Tee, Fiberglass Cable Tray .....	118.60	51.36
			For 9" Rung Spacing, Add	1.45	
			For 6" Rung Spacing, Add	6.23	
			For 4" Rung Spacing, Add	11.43	
			For 18" Rung Spacing, Deduct	-1.04	
			For Solid Bottom, Add	24.02	
			For Vented Trough Bottom, Add	26.25	
26 05 36 00-2545	EA		18" Horizontal Tee, Fiberglass Cable Tray .....	132.30	57.75
			For 9" Rung Spacing, Add	1.60	
			For 6" Rung Spacing, Add	6.86	
			For 4" Rung Spacing, Add	12.57	
			For 18" Rung Spacing, Deduct	-1.14	
			For Solid Bottom, Add	26.70	
			For Vented Trough Bottom, Add	29.11	
26 05 36 00-2546	EA		24" Horizontal Tee, Fiberglass Cable Tray .....	139.32	60.17
			For 9" Rung Spacing, Add	1.72	
			For 6" Rung Spacing, Add	7.36	
			For 4" Rung Spacing, Add	13.49	
			For 18" Rung Spacing, Deduct	-1.23	
			For Solid Bottom, Add	28.26	
			For Vented Trough Bottom, Add	30.91	
26 05 36 00-2547	EA		30" Horizontal Tee, Fiberglass Cable Tray .....	149.59	63.62
			For 9" Rung Spacing, Add	1.90	
			For 6" Rung Spacing, Add	8.13	
			For 4" Rung Spacing, Add	14.91	
			For 18" Rung Spacing, Deduct	-1.36	
			For Solid Bottom, Add	30.57	
			For Vented Trough Bottom, Add	33.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2548 EA 36" Horizontal Tee, Fiberglass Cable Tray .....	162.61	68.53
<i>For 9" Rung Spacing, Add</i>	2.10	
<i>For 6" Rung Spacing, Add</i>	8.98	
<i>For 4" Rung Spacing, Add</i>	16.47	
<i>For 18" Rung Spacing, Deduct</i>	-1.50	
<i>For Solid Bottom, Add</i>	33.37	
<i>For Vented Trough Bottom, Add</i>	36.79	
<b>26 05 36 00-2549 Horizontal Crosses</b> <small>(26 05 36 00-2516)</small>		
26 05 36 00-2550 EA 6" Horizontal Cross, Fiberglass Cable Tray .....	144.73	63.62
<i>For 9" Rung Spacing, Add</i>	1.73	
<i>For 6" Rung Spacing, Add</i>	7.40	
<i>For 4" Rung Spacing, Add</i>	13.57	
<i>For 18" Rung Spacing, Deduct</i>	-1.23	
<i>For Solid Bottom, Add</i>	29.11	
<i>For Vented Trough Bottom, Add</i>	31.66	
26 05 36 00-2551 EA 9" Horizontal Cross, Fiberglass Cable Tray .....	153.52	68.53
<i>For 9" Rung Spacing, Add</i>	1.78	
<i>For 6" Rung Spacing, Add</i>	7.62	
<i>For 4" Rung Spacing, Add</i>	13.97	
<i>For 18" Rung Spacing, Deduct</i>	-1.27	
<i>For Solid Bottom, Add</i>	30.65	
<i>For Vented Trough Bottom, Add</i>	33.16	
26 05 36 00-2552 EA 12" Horizontal Cross, Fiberglass Cable Tray .....	162.33	73.46
<i>For 9" Rung Spacing, Add</i>	1.83	
<i>For 6" Rung Spacing, Add</i>	7.84	
<i>For 4" Rung Spacing, Add</i>	14.37	
<i>For 18" Rung Spacing, Deduct</i>	-1.31	
<i>For Solid Bottom, Add</i>	32.19	
<i>For Vented Trough Bottom, Add</i>	34.66	
26 05 36 00-2553 EA 18" Horizontal Cross, Fiberglass Cable Tray .....	173.84	78.30
<i>For 9" Rung Spacing, Add</i>	1.98	
<i>For 6" Rung Spacing, Add</i>	8.46	
<i>For 4" Rung Spacing, Add</i>	15.52	
<i>For 18" Rung Spacing, Deduct</i>	-1.41	
<i>For Solid Bottom, Add</i>	34.54	
<i>For Vented Trough Bottom, Add</i>	37.25	
26 05 36 00-2554 EA 24" Horizontal Cross, Fiberglass Cable Tray .....	184.37	83.21
<i>For 9" Rung Spacing, Add</i>	2.09	
<i>For 6" Rung Spacing, Add</i>	8.94	
<i>For 4" Rung Spacing, Add</i>	16.40	
<i>For 18" Rung Spacing, Deduct</i>	-1.49	
<i>For Solid Bottom, Add</i>	36.60	
<i>For Vented Trough Bottom, Add</i>	39.44	
26 05 36 00-2555 EA 30" Horizontal Cross, Fiberglass Cable Tray .....	196.97	88.12
<i>For 9" Rung Spacing, Add</i>	2.27	
<i>For 6" Rung Spacing, Add</i>	9.74	
<i>For 4" Rung Spacing, Add</i>	17.85	
<i>For 18" Rung Spacing, Deduct</i>	-1.62	
<i>For Solid Bottom, Add</i>	39.28	
<i>For Vented Trough Bottom, Add</i>	42.47	
26 05 36 00-2556 EA 36" Horizontal Cross, Fiberglass Cable Tray .....	213.32	94.44
<i>For 9" Rung Spacing, Add</i>	2.51	
<i>For 6" Rung Spacing, Add</i>	10.76	
<i>For 4" Rung Spacing, Add</i>	19.72	
<i>For 18" Rung Spacing, Deduct</i>	-1.79	
<i>For Solid Bottom, Add</i>	42.75	
<i>For Vented Trough Bottom, Add</i>	46.38	
<b>26 05 36 00-2557 Horizontal Wyes</b> <small>(26 05 36 00-2516)</small>		
26 05 36 00-2558 EA 6" Horizontal Wye, Fiberglass Cable Tray .....	89.64	36.69
<i>For 9" Rung Spacing, Add</i>	1.21	
<i>For 6" Rung Spacing, Add</i>	5.19	
<i>For 4" Rung Spacing, Add</i>	9.52	
<i>For 18" Rung Spacing, Deduct</i>	-0.87	
<i>For Solid Bottom, Add</i>	18.64	
<i>For Vented Trough Bottom, Add</i>	20.72	
26 05 36 00-2559 EA 9" Horizontal Wye, Fiberglass Cable Tray .....	94.72	39.18
<i>For 9" Rung Spacing, Add</i>	1.26	
<i>For 6" Rung Spacing, Add</i>	5.40	
<i>For 4" Rung Spacing, Add</i>	9.90	
<i>For 18" Rung Spacing, Deduct</i>	-0.90	
<i>For Solid Bottom, Add</i>	19.61	
<i>For Vented Trough Bottom, Add</i>	21.74	
26 05 36 00-2560 EA 12" Horizontal Wye, Fiberglass Cable Tray .....	114.43	51.36
<i>For 9" Rung Spacing, Add</i>	1.31	
<i>For 6" Rung Spacing, Add</i>	5.61	
<i>For 4" Rung Spacing, Add</i>	10.28	
<i>For 18" Rung Spacing, Deduct</i>	-0.93	
<i>For Solid Bottom, Add</i>	22.77	
<i>For Vented Trough Bottom, Add</i>	24.59	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 36 Cable Trays For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2561	EA		18" Horizontal Wye, Fiberglass Cable Tray .....	127.73	57.75
			For 9" Rung Spacing, Add	1.44	
			For 6" Rung Spacing, Add	6.17	
			For 4" Rung Spacing, Add	11.31	
			For 18" Rung Spacing, Deduct	-1.03	
			For Solid Bottom, Add	25.33	
			For Vented Trough Bottom, Add	27.28	
26 05 36 00-2562	EA		24" Horizontal Wye, Fiberglass Cable Tray .....	134.32	60.17
			For 9" Rung Spacing, Add	1.54	
			For 6" Rung Spacing, Add	6.61	
			For 4" Rung Spacing, Add	12.12	
			For 18" Rung Spacing, Deduct	-1.10	
			For Solid Bottom, Add	26.76	
			For Vented Trough Bottom, Add	28.91	
26 05 36 00-2563	EA		30" Horizontal Wye, Fiberglass Cable Tray .....	144.17	63.62
			For 9" Rung Spacing, Add	1.71	
			For 6" Rung Spacing, Add	7.32	
			For 4" Rung Spacing, Add	13.41	
			For 18" Rung Spacing, Deduct	-1.22	
			For Solid Bottom, Add	28.94	
			For Vented Trough Bottom, Add	31.44	
26 05 36 00-2564	EA		36" Horizontal Wye, Fiberglass Cable Tray .....	156.62	68.53
			For 9" Rung Spacing, Add	1.89	
			For 6" Rung Spacing, Add	8.08	
			For 4" Rung Spacing, Add	14.82	
			For 18" Rung Spacing, Deduct	-1.35	
			For Solid Bottom, Add	31.58	
			For Vented Trough Bottom, Add	34.40	
<b>26 05 36 00-2565</b>			<b>Straight Reducers</b> <small>(26 05 36 00-2516)</small>		
26 05 36 00-2566	EA		9"-6" Reducer, Fiberglass Cable Tray.....	41.62	14.68
			For 9" Rung Spacing, Add	0.69	
			For 6" Rung Spacing, Add	2.94	
			For 4" Rung Spacing, Add	5.39	
			For 18" Rung Spacing, Deduct	-0.49	
			For Solid Bottom, Add	9.18	
			For Vented Trough Bottom, Add	10.59	
26 05 36 00-2567	EA		12"-9" Reducer, Fiberglass Cable Tray.....	45.56	17.09
			For 9" Rung Spacing, Add	0.70	
			For 6" Rung Spacing, Add	2.98	
			For 4" Rung Spacing, Add	5.47	
			For 18" Rung Spacing, Deduct	-0.50	
			For Solid Bottom, Add	9.82	
			For Vented Trough Bottom, Add	11.16	
26 05 36 00-2568	EA		18"-12" Reducer, Fiberglass Cable Tray.....	49.50	19.59
			For 9" Rung Spacing, Add	0.71	
			For 6" Rung Spacing, Add	3.02	
			For 4" Rung Spacing, Add	5.54	
			For 18" Rung Spacing, Deduct	-0.50	
			For Solid Bottom, Add	10.45	
			For Vented Trough Bottom, Add	11.73	
26 05 36 00-2569	EA		24"-18" Reducer, Fiberglass Cable Tray.....	53.13	21.50
			For 9" Rung Spacing, Add	0.73	
			For 6" Rung Spacing, Add	3.13	
			For 4" Rung Spacing, Add	5.73	
			For 18" Rung Spacing, Deduct	-0.52	
			For Solid Bottom, Add	11.10	
			For Vented Trough Bottom, Add	12.38	
26 05 36 00-2570	EA		30"-24" Reducer, Fiberglass Cable Tray.....	59.54	23.48
			For 9" Rung Spacing, Add	0.85	
			For 6" Rung Spacing, Add	3.65	
			For 4" Rung Spacing, Add	6.69	
			For 18" Rung Spacing, Deduct	-0.61	
			For Solid Bottom, Add	12.58	
			For Vented Trough Bottom, Add	14.13	
26 05 36 00-2571	EA		36"-30" Reducer, Fiberglass Cable Tray.....	67.14	25.98
			For 9" Rung Spacing, Add	0.99	
			For 6" Rung Spacing, Add	4.24	
			For 4" Rung Spacing, Add	7.77	
			For 18" Rung Spacing, Deduct	-0.71	
			For Solid Bottom, Add	14.31	
			For Vented Trough Bottom, Add	16.16	
<b>26 05 36 00-2572</b>			<b>Vertical Tees</b> <small>(26 05 36 00-2516)</small>		
26 05 36 00-2573	EA		6" Vertical Tee, Fiberglass Cable Tray.....	128.55	36.69
			For 9" Rung Spacing, Add	2.57	
			For 6" Rung Spacing, Add	11.03	
			For 4" Rung Spacing, Add	20.22	
			For 18" Rung Spacing, Deduct	-1.84	
			For Solid Bottom, Add	30.31	
			For Vented Trough Bottom, Add	36.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2574 EA 9" Vertical Tee, Fiberglass Cable Tray ..... For 9" Rung Spacing, Add For 6" Rung Spacing, Add For 4" Rung Spacing, Add For 18" Rung Spacing, Deduct For Solid Bottom, Add For Vented Trough Bottom, Add	133.14 2.61 11.17 20.47 -1.86 31.14 37.11	39.18
26 05 36 00-2575 EA 12" Vertical Tee, Fiberglass Cable Tray ..... For 9" Rung Spacing, Add For 6" Rung Spacing, Add For 4" Rung Spacing, Add For 18" Rung Spacing, Deduct For Solid Bottom, Add For Vented Trough Bottom, Add	152.37 2.64 11.30 20.72 -1.88 34.16 39.76	51.36
26 05 36 00-2576 EA 18" Vertical Tee, Fiberglass Cable Tray ..... For 9" Rung Spacing, Add For 6" Rung Spacing, Add For 4" Rung Spacing, Add For 18" Rung Spacing, Deduct For Solid Bottom, Add For Vented Trough Bottom, Add	164.00 2.71 11.61 21.29 -1.94 36.21 41.79	57.75
26 05 36 00-2577 EA 24" Vertical Tee, Fiberglass Cable Tray ..... For 9" Rung Spacing, Add For 6" Rung Spacing, Add For 4" Rung Spacing, Add For 18" Rung Spacing, Deduct For Solid Bottom, Add For Vented Trough Bottom, Add	169.62 2.78 11.90 21.82 -1.98 37.35 43.03	60.17
26 05 36 00-2578 EA 30" Vertical Tee, Fiberglass Cable Tray ..... For 9" Rung Spacing, Add For 6" Rung Spacing, Add For 4" Rung Spacing, Add For 18" Rung Spacing, Deduct For Solid Bottom, Add For Vented Trough Bottom, Add	176.56 2.84 12.18 22.32 -2.03 38.66 44.39	63.62
26 05 36 00-2579 EA 36" Vertical Tee, Fiberglass Cable Tray ..... For 9" Rung Spacing, Add For 6" Rung Spacing, Add For 4" Rung Spacing, Add For 18" Rung Spacing, Deduct For Solid Bottom, Add For Vented Trough Bottom, Add	192.40 3.14 13.45 24.66 -2.24 42.31 48.71	68.53

**26 05 39 Underfloor Raceways for Electrical Systems (26 05)**

26 05 39 00-0001 Underfloor Ducts (26 05 39)		
26 05 39 00-0002 Straight Duct Sections 10' Long, 14 Gauge Steel (26 05 39 00-0001)		
26 05 39 00-0003 Standard Ducts, 3.8 Square Inches (26 05 39 00-0002)		
26 05 39 00-0004 EA Standard Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 3.8 Square Inches.....	67.57	12.91
26 05 39 00-0005 EA Standard Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 3.8 Square Inches.....	85.40	15.12
26 05 39 00-0006 Large Capacity Ducts, 8.9 Square Inches (26 05 39 00-0002)		
26 05 39 00-0007 EA Large Capacity Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 8.9 Square Inches.....	114.11	16.36
26 05 39 00-0008 EA Large Capacity Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 8.9 Square Inches.....	130.90	18.13
26 05 39 00-0009 Junction Boxes (26 05 39 00-0001)		
26 05 39 00-0010 One Level Junction Boxes (26 05 39 00-0009)		
26 05 39 00-0011 EA 1 Level UF Duct Junction Box, 1 Standard Duct Without Partitions In Box.....	173.71	25.68
26 05 39 00-0012 EA 1 Level UF Duct Junction Box, 1 Large Duct Without Partitions In Box.....	197.14	27.52
26 05 39 00-0013 EA 1 Level UF Duct Junction Box, 1 Standard And Large Duct Per Side With Partitions In Box..... Note: Isolate each duct and form a continuous raceway through the box in both directions.	322.66	25.68
26 05 39 00-0014 EA 1 Level UF Duct Junction Box, 2 Standard Ducts Per Side With Partitions In Box.....	216.57	27.52
26 05 39 00-0015 EA 1 Level UF Duct Junction Box, 3 Standard Ducts Per Side With Partitions In Box.....	345.97	36.17
26 05 39 00-0016 EA 1 Level UF Duct Junction Box, 2 Large Ducts Per Side With Partitions In Box Duct.....	488.87	39.33
26 05 39 00-0017 Two Level Junction Boxes (26 05 39 00-0009)		
26 05 39 00-0018 EA 2 Level UF Duct Junction Box, 2 Standard Duct Cross, Intersects At Right Angles, Raceway Bottom Level..... Note: Accepts two standard ducts to form a continuous raceway at right angles to the top level raceway.	754.98	25.98
26 05 39 00-0019 EA 2 Level UF Duct Junction Box, 2 Large Duct Bottom Level: Accepts Two Large Capacity Ducts.....	869.36	27.52
26 05 39 00-0020 Elbow Fittings (26 05 39 00-0001)		
26 05 39 00-0021 90 Degree Horizontal Elbow (26 05 39 00-0020)		
26 05 39 00-0022 EA Underfloor Standard Duct Horizontal Elbow Fitting, 90 Degree.....	85.77	9.46
26 05 39 00-0023 EA Underfloor Large Duct Horizontal Elbow Fitting, 90 Degree.....	88.44	9.46

**26 Electrical****26 05 Common Work Results For Electrical****26 05 39 Underfloor Raceways for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 39 00-0024</b> <b>90 Degree Vertical Elbow</b> <small>(26 05 39 00-0020)</small>		
26 05 39 00-0025 EA Underfloor Standard Duct Vertical Elbow Fitting, 90 Degree .....	46.91	9.46
26 05 39 00-0026 EA Underfloor Large Duct Vertical Elbow Fitting, 90 Degree.....	47.98	9.46
<b>26 05 39 00-0027</b> <b>Offset Elbow</b> <small>(26 05 39 00-0020)</small>		
Note: Two elbows required for crossover or crossunder.		
26 05 39 00-0028 EA Underfloor Standard Duct Offset Elbow 45 Degree, 2 Required For Over-Under.....	46.91	11.01
26 05 39 00-0029 EA Underfloor Large Duct Offset Elbow 45 Degree, 2 Required For Over-Under .....	47.98	11.01
<b>26 05 39 00-0030</b> <b>Couplings</b> <small>(26 05 39 00-0001)</small>		
<b>26 05 39 00-0031</b> <b>Sleeve Couplings</b> <small>(26 05 39 00-0030)</small>		
26 05 39 00-0032 EA Underfloor Standard Duct Sleeve Coupling .....	29.13	14.68
26 05 39 00-0033 EA Underfloor Large Duct Sleeve Coupling.....	44.96	14.68
<b>26 05 39 00-0034</b> <b>Expansion Couplings</b> <small>(26 05 39 00-0030)</small>		
26 05 39 00-0035 EA Underfloor Standard Duct Expansion Coupling .....	66.74	14.68
26 05 39 00-0036 EA Underfloor Large Duct Expansion Coupling.....	68.07	15.48
<b>26 05 39 00-0037</b> <b>Reducing Couplings</b> <small>(26 05 39 00-0030)</small>		
26 05 39 00-0038 EA Reducing Coupling, Large To Standard Duct Underfloor Duct Coupling .....	68.20	2.21
<b>26 05 39 00-0039</b> <b>Duct Supports</b> <small>(26 05 39 00-0001)</small>		
<b>26 05 39 00-0040</b> <b>Combination Support And Coupling</b> <small>(26 05 39 00-0039)</small>		
Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0041 EA 1 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet .....	66.59	30.82
26 05 39 00-0042 EA 2 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet .....	74.09	30.82
26 05 39 00-0043 EA 3 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet .....	81.65	30.82
26 05 39 00-0044 EA 1 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet .....	74.09	34.49
26 05 39 00-0045 EA 2 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet .....	89.38	34.49
26 05 39 00-0046 EA 1 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet.....	81.65	36.69
26 05 39 00-0047 EA 2 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet.....	81.65	36.69
26 05 39 00-0048 EA 1 Standard And 2 Large Duct Support And Coupling With Leveling Legs And Anchor Feet.....	89.38	36.69
<b>26 05 39 00-0049</b> <b>Duct Support Only</b> <small>(26 05 39 00-0039)</small>		
Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0050 EA 1 Underfloor Duct Support Only With Leveling Legs And Anchor Feet .....	60.29	27.15
26 05 39 00-0051 EA 2 Underfloor Duct Support Only With Leveling Legs And Anchor Feet .....	70.97	27.15
26 05 39 00-0052 EA 3 Underfloor Duct Support Only With Leveling Legs And Anchor Feet.....	82.55	27.15
<b>26 05 39 00-0053</b> <b>Underfloor Duct Accessories</b> <small>(26 05 39 00-0001)</small>		
<b>26 05 39 00-0054</b> <b>Plugs For Unused Junction Box Openings And Duct Ends</b> <small>(26 05 39 00-0053)</small>		
26 05 39 00-0055 EA Standard Plugs For Unused Junction Box Opening And Underfloor Duct Ends .....	21.84	2.21
26 05 39 00-0056 EA Large Plugs For Unused Junction Box Opening And Underfloor Duct Ends.....	22.22	2.21
<b>26 05 39 00-0057</b> <b>Conduit Adapters</b> <small>(26 05 39 00-0053)</small>		
26 05 39 00-0058 EA One 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter .....	25.55	3.67
26 05 39 00-0059 EA Two 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter .....	27.10	3.67
26 05 39 00-0060 EA One 2" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter.....	26.30	3.67
26 05 39 00-0061 EA Three 1-1/4" Conduit To Large Duct Underfloor Conduit To Duct, Adapter .....	27.07	3.67
<b>26 05 39 00-0062</b> <b>Holder And Caps</b> <small>(26 05 39 00-0053)</small>		
26 05 39 00-0063 EA Tile Holder, Underfloor Duct Accessories .....	162.72	30.82
26 05 39 00-0064 EA Terrazzo Holder, Underfloor Duct Accessories.....	316.65	30.82
26 05 39 00-0065 EA Closing Caps For Inserts, Underfloor Duct Accessories .....	2.09	0.73
<b>26 05 39 00-0066</b> <b>Underfloor Dust Pans</b> <small>(26 05 39 00-0001)</small>		
26 05 39 00-0067 EA Underfloor Dust Carpet Pan.....	72.77	4.02

**26 05 43 Underground Ducts And Raceways For Electrical Systems** (26 05)

Note: Underground utilities and conduits include warning tape.

<b>26 05 43 00-0001</b> <b>Precast Concrete Trenches, One Piece Pedestrian Trench</b> <small>(26 05 43)</small>		
Note: Rated for 200 PSF Pedestrian Weight. Excludes excavation, removal of dirt and sand bedding.		
<b>26 05 43 00-0002</b> <b>10" Wide Pedestrian Trench</b> <small>(26 05 43 00-0001)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0003 LF Base, Solid Bottom 10" Wide x 15" Deep Pedestrian Trench .....	47.09	
26 05 43 00-0004 LF Base, Open Bottom 10" Wide x 15" Deep Pedestrian Trench .....	44.90	
26 05 43 00-0005 LF Base, Solid Bottom 10" Wide x 24" Deep Pedestrian Trench .....	65.42	
26 05 43 00-0006 LF Base, Open Bottom 10" Wide x 24" Deep Pedestrian Trench .....	62.38	
26 05 43 00-0007 EA End Wall, 10" Wide x 15" Deep Pedestrian Trench .....	30.87	
26 05 43 00-0008 EA End Wall, 10" Wide x 24" Deep Pedestrian Trench .....	35.96	
26 05 43 00-0009 LF Lid, Concrete, 10" Wide Pedestrian Trench.....	31.40	
<b>26 05 43 00-0010 20" Wide Pedestrian Trench</b> <small>(26 05 43 00-0001)</small>		
26 05 43 00-0011 LF Base, Solid Bottom 20" Wide x 15" Deep Pedestrian Trench .....	59.34	
26 05 43 00-0012 LF Base, Open Bottom 20" Wide x 15" Deep Pedestrian Trench .....	55.46	
26 05 43 00-0013 LF Base, Solid Bottom 20" Wide x 24" Deep Pedestrian Trench .....	80.02	
26 05 43 00-0014 LF Base, Open Bottom 20" Wide x 24" Deep Pedestrian Trench .....	76.49	
26 05 43 00-0015 EA End Wall, 20" Wide x 15" Deep Pedestrian Trench .....	38.20	
26 05 43 00-0016 EA End Wall, 20" Wide x 24" Deep Pedestrian Trench .....	55.74	
26 05 43 00-0017 LF Lid, Concrete, 20" Wide Pedestrian Trench.....	39.27	
<b>26 05 43 00-0018 30" Wide Pedestrian Trench</b> <small>(26 05 43 00-0001)</small>		
26 05 43 00-0019 LF Base, Solid Bottom 30" Wide x 15" Deep Pedestrian Trench .....	74.82	
26 05 43 00-0020 LF Base, Open Bottom 30" Wide x 15" Deep Pedestrian Trench .....	89.01	
26 05 43 00-0021 LF Base, Solid Bottom 30" Wide x 24" Deep Pedestrian Trench .....	93.82	
26 05 43 00-0022 LF Base, Open Bottom 30" Wide x 24" Deep Pedestrian Trench .....	89.80	
26 05 43 00-0023 EA End Wall, 30" Wide x 15" Deep Pedestrian Trench .....	54.54	
26 05 43 00-0024 EA End Wall, 30" Wide x 24" Deep Pedestrian Trench .....	74.87	
26 05 43 00-0025 LF Lid, Concrete, 30" Wide Pedestrian Trench.....	49.14	
<b>26 05 43 00-0026 40" Wide Pedestrian Trench</b> <small>(26 05 43 00-0001)</small>		
26 05 43 00-0027 LF Base, Solid Bottom 40" Wide x 15" Deep Pedestrian Trench .....	89.12	
26 05 43 00-0028 LF Base, Open Bottom 40" Wide x 15" Deep Pedestrian Trench .....	85.46	
26 05 43 00-0029 LF Base, Solid Bottom 40" Wide x 24" Deep Pedestrian Trench .....	109.10	
26 05 43 00-0030 LF Base, Open Bottom 40" Wide x 24" Deep Pedestrian Trench .....	104.63	
26 05 43 00-0031 EA End Wall, 40" Wide x 15" Deep Pedestrian Trench .....	69.82	
26 05 43 00-0032 EA End Wall, 40" Wide x 24" Deep Pedestrian Trench .....	95.72	
26 05 43 00-0033 LF Lid, Concrete, 40" Wide Pedestrian Trench.....	57.89	
<b>26 05 43 00-0034 Precast Concrete Trenches, One Piece Medium Vehicle Trench</b> <small>(26 05 43)</small>		
Note: Rated for 7000 lbs Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.		
<b>26 05 43 00-0035 10" Wide Medium Vehicle Trench</b> <small>(26 05 43 00-0034)</small>		
26 05 43 00-0036 LF Base, Solid Bottom 10" Wide x 15" Deep Medium Vehicle Trench.....	57.85	
26 05 43 00-0037 LF Base, Open Bottom 10" Wide x 15" Deep Medium Vehicle Trench.....	55.01	
26 05 43 00-0038 LF Base, Solid Bottom 10" Wide x 24" Deep Medium Vehicle Trench.....	80.34	
26 05 43 00-0039 LF Base Open Bottom 10" Wide x 24" Deep Medium Vehicle Trench.....	76.41	
26 05 43 00-0040 EA End Wall, 10" Wide x 15" Deep Medium Vehicle Trench.....	36.85	
26 05 43 00-0041 EA End Wall, 10" Wide x 24" Deep Medium Vehicle Trench .....	42.22	
26 05 43 00-0042 LF Lid, Concrete 10" Wide Medium Vehicle Trench .....	38.57	
26 05 43 00-0043 LF Lid, Galvanized Steel 10" Wide Medium Vehicle Trench.....	179.13	
<b>26 05 43 00-0044 20" Wide Medium Vehicle Trench</b> <small>(26 05 43 00-0034)</small>		
26 05 43 00-0045 LF Base, Solid Bottom 20" Wide x 15" Deep Medium Vehicle Trench.....	72.46	
26 05 43 00-0046 LF Base, Open Bottom 20" Wide x 15" Deep Medium Vehicle Trench.....	67.47	
26 05 43 00-0047 LF Base, Solid Bottom 20" Wide x 24" Deep Medium Vehicle Trench.....	97.33	
26 05 43 00-0048 LF Base Open Bottom 20" Wide x 24" Deep Medium Vehicle Trench.....	92.77	
26 05 43 00-0049 EA End Wall, 20" Wide x 15" Deep Medium Vehicle Trench.....	45.12	
26 05 43 00-0050 EA End Wall, 20" Wide x 24" Deep Medium Vehicle Trench .....	65.92	
26 05 43 00-0051 LF Lid, Concrete 20" Wide Medium Vehicle Trench .....	48.23	
26 05 43 00-0052 LF Lid, Galvanized Steel 20" Wide Medium Vehicle Trench.....	237.67	
<b>26 05 43 00-0053 30" Wide Medium Vehicle Trench</b> <small>(26 05 43 00-0034)</small>		
26 05 43 00-0054 LF Base, Solid Bottom 30" Wide x 15" Deep Medium Vehicle Trench.....	70.83	
26 05 43 00-0055 LF Base, Open Bottom 30" Wide x 15" Deep Medium Vehicle Trench.....	86.24	
26 05 43 00-0056 LF Base, Solid Bottom 30" Wide x 24" Deep Medium Vehicle Trench.....	113.52	
26 05 43 00-0057 LF Base Open Bottom 30" Wide x 24" Deep Medium Vehicle Trench.....	108.33	
26 05 43 00-0058 EA End Wall, 30" Wide x 15" Deep Medium Vehicle Trench.....	64.08	
26 05 43 00-0059 EA End Wall, 30" Wide x 24" Deep Medium Vehicle Trench .....	88.99	
26 05 43 00-0060 LF Lid, Concrete 30" Wide Medium Vehicle Trench .....	60.49	
26 05 43 00-0061 LF Lid, Galvanized Steel 30" Wide Medium Vehicle Trench.....	296.79	
<b>26 05 43 00-0062 40" Wide Medium Vehicle Trench</b> <small>(26 05 43 00-0034)</small>		
26 05 43 00-0063 LF Base, Solid Bottom 40" Wide x 15" Deep Medium Vehicle Trench.....	107.03	
26 05 43 00-0064 LF Base, Open Bottom 40" Wide x 15" Deep Medium Vehicle Trench.....	102.30	
26 05 43 00-0065 LF Base, Solid Bottom 40" Wide x 24" Deep Medium Vehicle Trench.....	131.06	
26 05 43 00-0066 LF Base Open Bottom 40" Wide x 24" Deep Medium Vehicle Trench.....	125.27	



**26 Electrical****26 05 Common Work Results For Electrical****26 05 43 Underground Ducts And Raceways For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0067 EA End Wall, 40" Wide x 15" Deep Medium Vehicle Trench .....	82.04	
26 05 43 00-0068 EA End Wall, 40" Wide x 24" Deep Medium Vehicle Trench .....	113.75	
26 05 43 00-0069 LF Lid, Concrete 40" Wide Medium Vehicle Trench.....	71.01	
26 05 43 00-0070 LF Lid, Galvanized Steel 40" Wide Medium Vehicle Trench.....	403.77	
<b>26 05 43 00-0071 Precast Concrete Trenches, One Piece H20 Road Crossing Trench</b> (26 05 43)		
Note: H20 Rated for 32000 lbs Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.		
<b>26 05 43 00-0072 10" Wide H20 Road Crossing Trench</b> (26 05 43 00-0071)		
26 05 43 00-0073 LF Base, Solid Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench .....	128.76	
26 05 43 00-0074 LF Base, Open Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench.....	122.39	
26 05 43 00-0075 LF Base, Solid Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench .....	160.43	
26 05 43 00-0076 LF Base, Open Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench.....	152.39	
26 05 43 00-0077 LF Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench.....	123.51	
26 05 43 00-0078 LF Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench .....	117.44	
26 05 43 00-0079 LF Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench.....	155.18	
26 05 43 00-0080 LF Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench.....	147.46	
26 05 43 00-0081 EA End Wall for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench .....	84.11	
26 05 43 00-0082 EA End Wall for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench .....	113.75	
26 05 43 00-0083 EA End Wall for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench.....	75.78	
26 05 43 00-0084 EA End Wall for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench.....	105.24	
26 05 43 00-0085 LF Lid, Concrete 10" Wide Road Crossing Trench .....	58.79	
26 05 43 00-0086 LF Lid, Galvanized Steel 10" Wide Road Crossing Trench.....	194.52	
<b>26 05 43 00-0087 20" Wide H20 Road Crossing Trench</b> (26 05 43 00-0071)		
26 05 43 00-0088 LF Base, Solid Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench .....	135.50	
26 05 43 00-0089 LF Base, Open Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench.....	128.96	
26 05 43 00-0090 LF Base, Solid Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench.....	178.74	
26 05 43 00-0091 LF Base, Open Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench.....	170.00	
26 05 43 00-0092 LF Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench.....	135.50	
26 05 43 00-0093 LF Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench.....	128.96	
26 05 43 00-0094 LF Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench.....	173.49	
26 05 43 00-0095 LF Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench.....	165.07	
26 05 43 00-0096 EA End Wall for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench .....	120.27	
26 05 43 00-0097 EA End Wall for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench .....	163.33	
26 05 43 00-0098 EA End Wall for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench.....	108.14	
26 05 43 00-0099 EA End Wall for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench.....	151.20	
26 05 43 00-0100 LF Lid, Concrete 20" Wide Road Crossing Trench .....	65.29	
26 05 43 00-0101 LF Lid, Galvanized Steel 20" Wide Road Crossing Trench.....	288.92	
<b>26 05 43 00-0102 30" Wide H20 Road Crossing Trench</b> (26 05 43 00-0071)		
26 05 43 00-0103 LF Base, Solid Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench .....	158.62	
26 05 43 00-0104 LF Base, Open Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench.....	151.14	
26 05 43 00-0105 LF Base, Solid Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench .....	196.24	
26 05 43 00-0106 LF Base, Open Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench.....	186.95	
26 05 43 00-0107 LF Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench.....	153.37	
26 05 43 00-0108 LF Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench .....	146.20	
26 05 43 00-0109 LF Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench.....	190.99	
26 05 43 00-0110 LF Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench.....	181.84	
26 05 43 00-0111 EA End Wall for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench .....	159.69	
26 05 43 00-0112 EA End Wall for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench .....	212.12	
26 05 43 00-0113 EA End Wall for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench.....	143.75	
26 05 43 00-0114 EA End Wall for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench.....	196.19	
26 05 43 00-0115 LF Lid, Concrete 30" Wide Road Crossing Trench .....	82.80	
26 05 43 00-0116 LF Lid, Galvanized Steel 30" Wide Road Crossing Trench.....	362.40	
<b>26 05 43 00-0117 40" Wide H20 Road Crossing Trench</b> (26 05 43 00-0071)		
26 05 43 00-0118 LF Base, Solid Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench .....	173.99	
26 05 43 00-0119 LF Base, Open Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench.....	165.95	
26 05 43 00-0120 LF Base, Solid Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench.....	214.30	
26 05 43 00-0121 LF Base, Open Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench.....	204.22	
26 05 43 00-0122 LF Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench.....	168.74	
26 05 43 00-0123 LF Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench.....	161.02	
26 05 43 00-0124 LF Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench.....	209.05	
26 05 43 00-0125 LF Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench .....	199.27	
26 05 43 00-0126 EA End Wall for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench .....	197.93	
26 05 43 00-0127 EA End Wall for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench .....	262.78	
26 05 43 00-0128 EA End Wall for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench.....	178.37	
26 05 43 00-0129 EA End Wall for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench.....	243.22	
26 05 43 00-0130 LF Lid, Concrete 40" Wide Road Crossing Trench .....	99.89	
26 05 43 00-0131 LF Lid, Galvanized Steel 40" Wide Road Crossing Trench.....	493.04	
<b>26 05 43 00-0132 Cleanouts</b> (26 05 43)		
26 05 43 00-0133 EA Cleanout Cover Assembly, Non Vehicular Traffic.....	331.86	
Note: Task include metal housing with recessed cover, non corrosive flanged expansion plug, sand cushion and gravel.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0134 EA Cleanout Cover Assembly, Vehicular Traffic.....	308.52	
Note: Task include metal housing with recessed cover, non corrosive flanged expansion plug, sand cushion and a 2' x 2' x 10-1/2" concrete apron at grade and a 6" x 1'-8" concrete collar around the 4" riser pipe, 10-1/2" below finish grade.		
<b>26 05 43 00-0135</b>		
<b>Duct Bank</b> <small>(26 05 43)</small>		
Note: Installation of single or multiple configuration underground utility raceways to have 3" concrete leveling base and encased in concrete envelope. Based on 100' run, minimum 30" bury depth. Labor units include material handling, unloading at job site, layout of job, measuring, cutting and fabrication, installation in trench using the appropriate supports, cleaning to remove any obstructions and installation of nylon pull string. Excludes trenching, concrete, backfilling, grading and seeding. Duct Banks are to be installed according to the appropriate sections of the accompanying specifications. Individual rows to be stacked for larger duct bank configurations.		
<b>26 05 43 00-0136</b>		
<b>Rigid Galvanized Steel Conduit, Galvanized Rigid Conduit (GRC) Or Rigid Galvanized Steel (RGS), Duct Bank</b> <small>(26 05 43 00-0135)</small>		
Note: Includes appropriate spacers and fittings.		
26 05 43 00-0137 LF 2 At 2", Rigid Galvanized Conduit Duct Bank .....	21.72	
26 05 43 00-0138 LF 4 At 2", Rigid Galvanized Conduit Duct Bank .....	43.47	
26 05 43 00-0139 LF 2 At 3", Rigid Galvanized Conduit Duct Bank .....	44.87	
26 05 43 00-0140 LF 4 At 3", Rigid Galvanized Conduit Duct Bank .....	90.02	
26 05 43 00-0141 LF 2 At 4", Rigid Galvanized Conduit Duct Bank .....	66.09	
26 05 43 00-0142 LF 4 At 4", Rigid Galvanized Conduit Duct Bank .....	132.84	
26 05 43 00-0143 LF 6 At 4", Rigid Galvanized Conduit Duct Bank .....	199.61	
26 05 43 00-0144 LF 2 At 5", Rigid Galvanized Conduit Duct Bank .....	124.66	
26 05 43 00-0145 LF 4 At 5", Rigid Galvanized Conduit Duct Bank .....	248.65	
26 05 43 00-0146 LF 6 At 5", Rigid Galvanized Conduit Duct Bank .....	382.36	
26 05 43 00-0147 LF 2 At 6", Rigid Galvanized Conduit Duct Bank .....	177.10	
26 05 43 00-0148 LF 4 At 6", Rigid Galvanized Conduit Duct Bank .....	355.51	
26 05 43 00-0149 LF 6 At 6", Rigid Galvanized Conduit Duct Bank .....	529.21	
<b>26 05 43 00-0150</b>		
<b>Polyvinyl Chloride (PVC), Type EB Duct Bank System</b> <small>(26 05 43 00-0135)</small>		
Note: Includes appropriate spacers and fittings.		
26 05 43 00-0151 LF 1 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	5.01	
26 05 43 00-0152 LF 2 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	10.95	
26 05 43 00-0153 LF 4 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	21.07	
26 05 43 00-0154 LF 1 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	6.66	
26 05 43 00-0155 LF 2 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	13.27	
26 05 43 00-0156 LF 4 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	26.95	
26 05 43 00-0157 LF 1 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	8.99	
26 05 43 00-0158 LF 2 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	17.99	
26 05 43 00-0159 LF 4 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	36.03	
26 05 43 00-0160 LF 6 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	54.02	
26 05 43 00-0161 LF 1 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	11.51	
26 05 43 00-0162 LF 2 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	23.00	
26 05 43 00-0163 LF 4 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	46.64	
26 05 43 00-0164 LF 6 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	63.59	
26 05 43 00-0165 LF 1 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	20.08	
26 05 43 00-0166 LF 2 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	31.30	
26 05 43 00-0167 LF 4 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	62.73	
26 05 43 00-0168 LF 6 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	100.82	
<b>26 05 43 00-0169</b>		
<b>Polyvinyl Chloride (PVC), Type DB Duct Bank System</b> <small>(26 05 43 00-0135)</small>		
Note: Includes appropriate spacers and fittings.		
26 05 43 00-0170 LF 1 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	5.57	
26 05 43 00-0171 LF 2 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	12.12	
26 05 43 00-0172 LF 4 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	23.25	
26 05 43 00-0173 LF 1 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	6.94	
26 05 43 00-0174 LF 2 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	13.87	
26 05 43 00-0175 LF 4 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	27.62	
26 05 43 00-0176 LF 1 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	9.26	
26 05 43 00-0177 LF 2 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	18.54	
26 05 43 00-0178 LF 4 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	37.12	
26 05 43 00-0179 LF 6 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	55.65	
26 05 43 00-0180 LF 1 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	11.92	
26 05 43 00-0181 LF 2 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	23.82	
26 05 43 00-0182 LF 4 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	46.28	
26 05 43 00-0183 LF 6 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	66.06	
26 05 43 00-0184 LF 1 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	20.65	
26 05 43 00-0185 LF 2 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	32.48	
26 05 43 00-0186 LF 4 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	65.09	
26 05 43 00-0187 LF 6 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	104.36	
<b>26 05 43 00-0188</b>		
<b>Male Or Female Adapters</b> <small>(26 05 43 00-0135)</small>		
26 05 43 00-0189 EA 2" Adapter .....	25.82	
26 05 43 00-0190 EA 3" Adapter .....	37.93	
26 05 43 00-0191 EA 4" Adapter .....	49.28	
26 05 43 00-0192 EA 5" Adapter .....	77.64	
26 05 43 00-0193 EA 6" Adapter .....	95.52	

**26 Electrical****26 05 Common Work Results For Electrical****26 05 43 Underground Ducts And Raceways For Electrical Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**26 05 46 Utility Poles for Electrical Systems** (26 05 46)

26 05 46 00-0001	Wood Poles <small>(26 05 46)</small>		
26 05 46 00-0002	Wood Pole, Class 3, Penta-Treated To 8 LB Retention <small>(26 05 46 00-0001)</small>		
	Note: Machine dig and set.		
26 05 46 00-0003	EA 25' Treated Wood Pole, Class 3, Machine Dig And Set.....	633.62	193.79
	For Class 1 Pole, Add	86.10	
	For Class 2 Pole, Add	49.20	
	For Class 4 Pole, Deduct	-24.60	
	For Class 5 Pole, Deduct	-73.80	
	For Class 6 Pole, Deduct	-98.40	
26 05 46 00-0004	EA 30' Treated Wood Pole, Class 3, Machine Dig And Set.....	764.02	215.01
	For Class 1 Pole, Add	116.90	
	For Class 2 Pole, Add	66.80	
	For Class 4 Pole, Deduct	-33.40	
	For Class 5 Pole, Deduct	-100.20	
	For Class 6 Pole, Deduct	-133.60	
26 05 46 00-0005	EA 35' Treated Wood Pole, Class 3, Machine Dig And Set.....	988.63	284.36
	For Class 1 Pole, Add	147.00	
	For Class 2 Pole, Add	84.00	
	For Class 4 Pole, Deduct	-42.00	
	For Class 5 Pole, Deduct	-126.00	
	For Class 6 Pole, Deduct	-168.00	
26 05 46 00-0006	EA 40' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,135.49	312.76
	For Class 1 Pole, Add	178.49	
	For Class 2 Pole, Add	102.00	
	For Class 4 Pole, Deduct	-51.00	
	For Class 5 Pole, Deduct	-152.99	
	For Class 6 Pole, Deduct	-203.99	
26 05 46 00-0007	EA 45' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,300.75	348.35
	For Class 1 Pole, Add	211.39	
	For Class 2 Pole, Add	120.80	
	For Class 4 Pole, Deduct	-60.40	
	For Class 5 Pole, Deduct	-181.19	
	For Class 6 Pole, Deduct	-241.59	
26 05 46 00-0008	EA 50' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,481.87	390.96
	For Class 1 Pole, Add	244.99	
	For Class 2 Pole, Add	140.00	
	For Class 4 Pole, Deduct	-70.00	
	For Class 5 Pole, Deduct	-209.99	
	For Class 6 Pole, Deduct	-279.99	
26 05 46 00-0009	EA 55' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,660.04	430.01
	For Class 1 Pole, Add	279.99	
	For Class 2 Pole, Add	159.99	
	For Class 4 Pole, Deduct	-80.00	
	For Class 5 Pole, Deduct	-239.99	
	For Class 6 Pole, Deduct	-319.99	
26 05 46 00-0010	EA 60' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,857.75	472.86
	For Class 1 Pole, Add	319.19	
	For Class 2 Pole, Add	182.39	
	For Class 4 Pole, Deduct	-91.20	
	For Class 5 Pole, Deduct	-273.59	
	For Class 6 Pole, Deduct	-364.79	
26 05 46 00-0011	EA 65' Treated Wood Pole, Class 3, Machine Dig And Set.....	3,132.14	515.39
	For Class 1 Pole, Add	735.47	
	For Class 2 Pole, Add	420.27	
	For Class 4 Pole, Deduct	-210.13	
	For Class 5 Pole, Deduct	-630.40	
	For Class 6 Pole, Deduct	-840.54	
26 05 46 00-0012	EA 70' Treated Wood Pole, Class 3, Machine Dig And Set.....	3,445.71	548.24
	For Class 1 Pole, Add	822.22	
	For Class 2 Pole, Add	469.84	
	For Class 4 Pole, Deduct	-234.92	
	For Class 5 Pole, Deduct	-704.76	
	For Class 6 Pole, Deduct	-939.68	
26 05 46 00-0013	EA 75' Treated Wood Pole, Class 3, Machine Dig And Set.....	3,793.60	585.56
	For Class 1 Pole, Add	917.85	
	For Class 2 Pole, Add	524.49	
	For Class 4 Pole, Deduct	-262.24	
	For Class 5 Pole, Deduct	-786.73	
	For Class 6 Pole, Deduct	-1,048.98	
26 05 46 00-0014	Removal And Relocation Of Wood Poles With Cross Arm <small>(26 05 46 00-0001)</small>		
26 05 46 00-0015	LF Removal And Relocation Of Up To 75' Wood Pole With Cross Arms .....	16.51	
26 05 46 00-0016	Crossarms <small>(26 05 46)</small>		
	Note: Includes hardware and braces.		
26 05 46 00-0017	Wood Single Arm Crossarms <small>(26 05 46 00-0016)</small>		
26 05 46 00-0018	EA 3-1/2" x 4-1/2" x 5'-7", Single Arm Wood Crossarm, With Hardware And Braces.....	139.61	57.80
26 05 46 00-0019	EA 3-1/2" x 4-1/2" x 8'-0", Single Arm Wood Crossarm, With Hardware And Braces.....	168.94	57.80



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0020 EA 3-3/4" x 4-3/4" x 10'-0", Single Arm Wood Crossarm, With Hardware And Braces.....	177.48	74.31
<b>26 05 46 00-0021 Wood Double Arm Crossarms</b> <small>(26 05 46 00-0016)</small>		
26 05 46 00-0022 EA 3-1/2" x 4-1/2" x 5'-7", Double Arm Wood Crossarm, With Hardware And Braces .....	360.21	161.00
26 05 46 00-0023 EA 3-1/2" x 4-1/2" x 8'-0", Double Arm Wood Crossarm, With Hardware And Braces .....	383.36	161.00
26 05 46 00-0024 EA 3-3/4" x 4-3/4" x 10'-0", Double Arm Wood Crossarm, With Hardware And Braces .....	399.28	161.00
<b>26 05 46 00-0025 Fiberglass Crossarms</b> <small>(26 05 46 00-0016)</small>		
Note: Includes hardware.		
<b>26 05 46 00-0026 Single Phase, 15 Degree Angle</b> <small>(26 05 46 00-0025)</small>		
26 05 46 00-0027 EA Fiberglass Cutout And Arrestor Bracket, 18", Minimum Ultimate Load 800 LB .....	165.96	
26 05 46 00-0028 EA Fiberglass Insulator Bracket, 14", 11/16" Diameter Hole, Minimum Ultimate Load 1,200 LB .....	208.72	34.67
26 05 46 00-0029 EA Fiberglass Insulator Bracket, 14", 1" Lead Threaded, Minimum Ultimate Load 1,200 LB .....	216.98	37.16
<b>26 05 46 00-0030 Two Phase, 15 Degree Angle</b> <small>(26 05 46 00-0025)</small>		
26 05 46 00-0031 EA Fiberglass Insulator Bracket, 36", Minimum Ultimate Load 1,200 LB .....	259.82	44.59
<b>26 05 46 00-0032 Fiberglass Crossarm Accessories</b> <small>(26 05 46 00-0025)</small>		
26 05 46 00-0033 EA Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 7,000 LB Per Conductor .....	390.98	56.97
26 05 46 00-0034 EA Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 12,000 LB Per Conductor .....	463.74	69.36
26 05 46 00-0035 EA Pole Top Pin, Hot Dip Galvanized, 18", 1" Lead Threaded.....	68.00	9.91
26 05 46 00-0036 EA Three Phase Equipment Mounting Bracket .....	339.98	49.54
26 05 46 00-0037 EA Fiberglass Bull Horn Crossarm .....	270.04	82.56
<b>26 05 46 00-0038 Insulator Support System</b> <small>(26 05 46 00-0016)</small>		
<b>26 05 46 00-0039 Epoxy Construction Units, In Place Mounting</b> <small>(26 05 46 00-0038)</small>		
Note: Includes hardware.		
26 05 46 00-0040 EA 1-1/2" Diameter x 19" Long Pole Side Pins Vertical (1 Arm Installed), In Place Mounting.....	81.12	
26 05 46 00-0041 EA 1-1/2" Diameter x 15" Long Pole Top Pins, In Place Mounting.....	65.85	
26 05 46 00-0042 EA Deadend Arms, In Place Mounting .....	187.03	
26 05 46 00-0043 EA 1-1/2" Diameter x 18" Long Pole Side Pins Vertical (2 Arms Installed), In Place Mounting .....	128.88	
<b>26 05 46 00-0044 Epoxy Construction Units, Grounding Mounting</b> <small>(26 05 46 00-0038)</small>		
Note: Includes hardware.		
26 05 46 00-0045 EA 1-1/2" Diameter x 18" Long Pole Side Pins Vertical, Grounding Mounting .....	57.22	
26 05 46 00-0046 EA 1-1/2" Diameter x 15" Long Pole Top Pins, Grounding Mounting .....	49.93	
26 05 46 00-0047 EA Deadend Arms, Grounding Mounting .....	171.11	
<b>26 05 46 00-0048 Guying</b> <small>(26 05 46)</small>		
Note: Includes cable, anchor and rod assembly, guy marker.		
<b>26 05 46 00-0049 Down Guy</b> <small>(26 05 46 00-0048)</small>		
26 05 46 00-0050 EA Down Guy For 25' To 40' Pole.....	575.88	231.19
26 05 46 00-0051 EA Down Guy For 45' To 60' Pole.....	586.62	231.19
26 05 46 00-0052 EA Down Guy For 65' To 75' Pole.....	608.73	231.19
26 05 46 00-0053 EA Guy Guard, Plastic.....	24.06	
<b>26 05 46 00-0054 Head Guy, 50' Spans</b> <small>(26 05 46 00-0048)</small>		
26 05 46 00-0055 EA Head Guy (50' Span), For 25' To 40' Pole .....	827.88	355.03
26 05 46 00-0056 EA Head Guy (50' Span), For 45' To 60' Pole .....	827.88	355.03
26 05 46 00-0057 EA Head Guy (50' Span), For 65' To 75' Pole .....	827.88	355.03
<b>26 05 46 00-0058 Guy Strain Insulators Additional Insulators</b> <small>(26 05 46 00-0048)</small>		
Note: As required at same material cost and labor.		
26 05 46 00-0059 EA Guy Strain Insulator .....	350.79	173.39
<b>26 05 46 00-0060 Insulators</b> <small>(26 05 46)</small>		
<b>26 05 46 00-0061 Pin Insulator With Pin</b> <small>(26 05 46 00-0060)</small>		
26 05 46 00-0062 EA 5 KV Class 55-3, Pin Insulator With Pin.....	116.31	49.54
26 05 46 00-0063 EA 15 KV Class 55-5, Pin Insulator With Pin.....	122.77	49.54
<b>26 05 46 00-0064 Suspension Insulator</b> <small>(26 05 46 00-0060)</small>		
Note: Includes clevis and strain clamp.		
26 05 46 00-0065 EA 5 KV Class 52-2, Suspension Insulator, With Clevis And Strain Clamp.....	152.47	66.06
26 05 46 00-0066 EA 15 KV Class 52-4, Suspension Insulator, With Clevis And Strain Clamp.....	170.04	66.06
26 05 46 00-0067 EA 25 KV Class 2 x 52-4, Suspension Insulator, With Clevis And Strain Clamp.....	247.99	82.56
26 05 46 00-0068 EA 50 KV Class 4 x 52-4, Suspension Insulator, With Clevis And Strain Clamp .....	405.96	132.11

**26 Electrical****26 05 Common Work Results For Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 46 00-0069 Spool Insulator With Clevis (26 05 46 00-0060)</b>			
26 05 46 00-0070	EA 5 KV Class 53-5, Spool Insulator With Clevis .....	50.79	20.65
26 05 46 00-0071	EA 15 KV Class, Spool Insulator With Clevis .....	165.94	74.31
26 05 46 00-0072	EA 25 KV Class, Spool Insulator With Clevis .....	214.36	74.31
<b>26 05 46 00-0073 Secondary Rack (26 05 46 00-0060)</b>			
26 05 46 00-0074	EA 1 Spool Secondary Rack .....	100.30	41.28
26 05 46 00-0075	EA 2 Spool Secondary Rack .....	105.98	52.68
26 05 46 00-0076	EA 3 Spool Secondary Rack .....	158.25	70.18
26 05 46 00-0077	EA 4 Spool Secondary Rack .....	176.65	70.18
<b>26 05 46 00-0078 Outdoor Load Break Switches (26 05 46)</b>			
Note: 3-Phase, group operated, 3-insulator, vertical break, high strength pin insulators worm gear operating mechanism operating rods, mechanisms, and switch bases are galvanized steel.			
<b>26 05 46 00-0079 7.2 KV Outdoor Load Break Switches (26 05 46 00-0078)</b>			
26 05 46 00-0080	EA 600 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	5,054.34	280.72
26 05 46 00-0081	EA 1,200 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	10,278.05	280.72
26 05 46 00-0082	EA 1,600 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	15,343.91	474.76
26 05 46 00-0083	EA 2,000 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	15,514.64	474.76
<b>26 05 46 00-0084 14.4 KV Outdoor Load Break Switches (26 05 46 00-0078)</b>			
26 05 46 00-0085	EA 600 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	6,280.45	280.72
26 05 46 00-0086	EA 1,200 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	12,245.81	280.72
26 05 46 00-0087	EA 1,600 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	15,343.91	474.76
26 05 46 00-0088	EA 2,000 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	15,514.64	474.76
<b>26 05 46 00-0089 23 KV Outdoor Load Break Switches (26 05 46 00-0078)</b>			
26 05 46 00-0090	EA 600 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	6,895.27	326.14
26 05 46 00-0091	EA 1,200 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	13,374.63	326.14
26 05 46 00-0092	EA 1,600 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	15,913.03	561.45
26 05 46 00-0093	EA 2,000 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	16,089.34	561.45
<b>26 05 46 00-0094 Square Distribution Poles (26 05 46)</b>			
<b>26 05 46 00-0095 Square Steel Tapered Shaft Distribution Poles (26 05 46 00-0094)</b>			
26 05 46 00-0096	EA 20, Steel Taped Shaft Distribution Pole.....	2,211.26	350.91
26 05 46 00-0097	EA 25, Steel Taped Shaft Distribution Pole.....	2,472.48	371.55
26 05 46 00-0098	EA 30, Steel Taped Shaft Distribution Pole.....	2,681.72	412.83
26 05 46 00-0099	EA 35, Steel Taped Shaft Distribution Pole.....	2,967.73	454.12
26 05 46 00-0100	EA 40, Steel Taped Shaft Distribution Pole.....	4,035.41	495.40
<b>26 05 46 00-0101 Square Prestressed Concrete Distribution Poles (26 05 46 00-0094)</b>			
26 05 46 00-0102	EA 30, Prestressed Concrete Square Pole For Distribution.....	3,451.08	606.36
26 05 46 00-0103	EA 35, Prestressed Concrete Square Pole For Distribution.....	3,919.21	665.04
26 05 46 00-0104	EA 40, Prestressed Concrete Square Pole For Distribution.....	4,614.71	743.28
26 05 46 00-0105	EA 45, Prestressed Concrete Square Pole For Distribution.....	5,204.22	821.52
26 05 46 00-0106	EA 50, Prestressed Concrete Square Pole For Distribution.....	4,895.54	997.56
26 05 46 00-0107	EA 55, Prestressed Concrete Square Pole For Distribution.....	7,344.92	1,173.60
26 05 46 00-0108	EA 60, Prestressed Concrete Square Pole For Distribution.....	8,685.95	1,330.08
26 05 46 00-0109	EA 65, Prestressed Concrete Square Pole For Distribution.....	10,471.45	1,643.04
26 05 46 00-0110	EA 70, Prestressed Concrete Square Pole For Distribution.....	11,741.36	1,799.51
<b>26 05 46 00-0111 Aluminum Tapered Poles (26 05 46)</b>			
<b>26 05 46 00-0112 Aluminum Tapered Round Seamless Shaft Poles (26 05 46 00-0111)</b>			
26 05 46 00-0113	EA 20, Aluminum Tapered Round Seamless Shaft Pole For Distribution .....	1,899.93	309.62
26 05 46 00-0114	EA 25, Aluminum Tapered Round Seamless Shaft Pole For Distribution .....	2,639.23	330.27
26 05 46 00-0115	EA 30, Aluminum Tapered Round Seamless Shaft Pole For Distribution .....	3,033.72	371.55
26 05 46 00-0116	EA 35, Aluminum Tapered Round Seamless Shaft Pole For Distribution .....	3,593.28	412.83
26 05 46 00-0117	EA 40, Aluminum Tapered Round Seamless Shaft Pole For Distribution .....	5,406.51	454.12
<b>26 05 46 00-0118 Steel Service Poles Distribution (26 05 46)</b>			
Note: Direct embedded, bearing plate on base end, pole cap on top end, grounding nut, galvanized finish.			
<b>26 05 46 00-0119 Round Tapered Pole (26 05 46 00-0118)</b>			
26 05 46 00-0120	EA 40, Galvanized Steel Tapered Round Pole For Distribution .....	2,675.22	495.40
26 05 46 00-0121	EA 45, Galvanized Steel Tapered Round Pole For Distribution .....	3,097.44	536.68
26 05 46 00-0122	EA 50, Galvanized Steel Tapered Round Pole For Distribution .....	3,301.92	577.96
26 05 46 00-0123	EA 55, Galvanized Steel Tapered Round Pole For Distribution .....	3,883.00	660.54
26 05 46 00-0124	EA 60, Galvanized Steel Tapered Round Pole For Distribution .....	4,781.60	743.10



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0125 EA 65', Galvanized Steel Tapered Round Pole For Distribution.....	5,617.92	919.32
26 05 46 00-0126 EA 70', Galvanized Steel Tapered Round Pole For Distribution.....	6,258.68	1,042.93
26 05 46 00-0127 EA 75', Galvanized Steel Tapered Round Pole For Distribution.....	6,921.01	1,173.60
26 05 46 00-0128 EA 80', Galvanized Steel Tapered Round Pole For Distribution.....	7,772.24	1,330.08
26 05 46 00-0129 EA 85', Galvanized Steel Tapered Round Pole For Distribution.....	8,303.49	1,408.32
26 05 46 00-0130 EA 90', Galvanized Steel Tapered Round Pole For Distribution.....	9,019.96	1,564.79
26 05 46 00-0131 EA 95', Galvanized Steel Tapered Round Pole For Distribution.....	9,925.79	1,760.40
26 05 46 00-0132 EA 100', Galvanized Steel Tapered Round Pole For Distribution.....	10,971.90	1,995.12
<b>26 05 46 00-0133 12 Sided Tapered</b> <small>(26 05 46 00-0118)</small>		
26 05 46 00-0134 EA 40', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	4,480.71	495.40
26 05 46 00-0135 EA 45', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	4,942.05	536.68
26 05 46 00-0136 EA 50', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	5,468.61	577.96
26 05 46 00-0137 EA 55', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	6,015.48	660.54
26 05 46 00-0138 EA 60', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	7,958.38	743.10
26 05 46 00-0139 EA 65', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	8,814.24	919.32
26 05 46 00-0140 EA 70', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	10,206.48	1,042.93
26 05 46 00-0141 EA 75', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	10,993.24	1,173.60
26 05 46 00-0142 EA 80', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	11,839.36	1,330.08
26 05 46 00-0143 EA 85', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	12,544.11	1,408.32
26 05 46 00-0144 EA 90', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	14,234.08	1,564.79
26 05 46 00-0145 EA 95', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	15,125.30	1,760.40
26 05 46 00-0146 EA 100', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	16,205.54	1,995.12
26 05 46 00-0147 EA 105', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	17,358.11	2,229.84
<b>26 05 46 00-0148 Standard Options For Round, 12 Sided and Octagonal Tapered Poles</b> <small>(26 05 46 00-0118)</small>		
26 05 46 00-0149 EA Ladder Clips.....	26.07	
26 05 46 00-0150 EA Coal Tar Epoxy Coating From Base To 1' Above Ground Line.....	195.64	
26 05 46 00-0151 EA Ground Sleeve-2' At Ground Line.....	196.78	
<b>26 05 46 00-0152 Arms With Baseplates And Endplates</b> <small>(26 05 46 00-0118)</small>		
26 05 46 00-0153 EA 4' Arm With Baseplate And Endplate.....	477.72	82.56
26 05 46 00-0154 EA 5' Arm With Baseplate And Endplate.....	520.10	82.56
26 05 46 00-0155 EA 6' Arm With Baseplate And Endplate.....	645.70	123.85
26 05 46 00-0156 EA 7' Arm With Baseplate And Endplate.....	682.78	123.85
26 05 46 00-0157 EA 8' Arm With Baseplate And Endplate.....	807.11	165.13
26 05 46 00-0158 EA 9' Arm With Baseplate And Endplate.....	849.47	165.13
26 05 46 00-0159 EA 10' Arm With Baseplate And Endplate.....	1,128.09	206.42
26 05 46 00-0160 EA 11' Arm With Baseplate And Endplate.....	1,175.65	206.42
<b>26 05 46 00-0161 Standard Vangs Load Bearing At Any Angle</b> <small>(26 05 46 00-0118)</small>		
26 05 46 00-0162 EA 15,000 LB Standard Vangs Load Bearing At Any Angle.....	200.09	82.56
26 05 46 00-0163 EA 30,000 LB Standard Vangs Load Bearing At Any Angle.....	226.05	82.56
26 05 46 00-0164 EA 45,000 LB Standard Vangs Load Bearing At Any Angle.....	261.56	82.56
<b>26 05 46 00-0165 Armless Construction Brackets</b> <small>(26 05 46 00-0118)</small>		
<b>26 05 46 00-0166 Verticals Insulator And Equipment Bracket</b> <small>(26 05 46 00-0165)</small>		
26 05 46 00-0167 EA 7" 1 Position Vertical Insulation And Equipment Bracket.....	204.32	82.56
26 05 46 00-0168 EA 12" 1 Position Vertical Insulation And Equipment Bracket.....	220.71	82.56
26 05 46 00-0169 EA 12" 3 Position Vertical Insulation And Equipment Bracket.....	247.35	82.56
26 05 46 00-0170 EA 18" 1 Position Vertical Insulation And Equipment Bracket.....	347.30	123.85
26 05 46 00-0171 EA 18" 3 Position Vertical Insulation And Equipment Bracket.....	362.85	123.85
<b>26 05 46 00-0172 Horizontal And Multiple Insulator Brackets</b> <small>(26 05 46 00-0165)</small>		
26 05 46 00-0173 EA Sidepole 1 7/8" Clearance Horizontal And Multiple Insulation Brackets.....	191.55	82.56
26 05 46 00-0174 EA Sidepole 2" Clearance Horizontal And Multiple Insulation Brackets.....	226.00	82.56
26 05 46 00-0175 EA Sidepole 9" Clearance Horizontal And Multiple Insulation Brackets.....	330.61	123.85
26 05 46 00-0176 EA Sidepole 10" Clearance Horizontal And Multiple Insulation Brackets.....	411.92	123.85
26 05 46 00-0177 EA Sidepole 15" Clearance Horizontal And Multiple Insulation Brackets.....	528.42	165.13
26 05 46 00-0178 EA Sidepole 20" Clearance Horizontal And Multiple Insulation Brackets.....	571.58	165.13
<b>26 05 46 00-0179 Pole Top Bracket And Pins</b> <small>(26 05 46 00-0165)</small>		
26 05 46 00-0180 EA Pole Top Pin - 5".....	196.55	82.56
26 05 46 00-0181 EA Pole Top Bracket - 5".....	204.92	82.56
<b>26 05 46 00-0182 Angle Pins</b> <small>(26 05 46 00-0165)</small>		
26 05 46 00-0183 EA Angle Pin - 25 Degree, 6".....	195.42	82.56
26 05 46 00-0184 EA Angle Pin - 25 Degree, 7 1/4".....	222.59	82.56

**26 Electrical****26 05 Common Work Results For Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 46 00-0185 Static And Neutral Wire Brackets</b> (26 05 46 00-0185)		
26 05 46 00-0186 EA Neutral Wire Extension Bracket.....	205.93	82.56
26 05 46 00-0187 EA Static Wire Support Bracket.....	208.85	82.56
<b>26 05 46 00-0188 Cutout, Arrestor And Terminator Brackets</b> (26 05 46 00-0185)		
26 05 46 00-0189 EA Cutout And Arrestor, With Mounting Bracket.....	203.94	82.56
26 05 46 00-0190 EA Equipment Mounting T Bracket.....	229.34	82.56
26 05 46 00-0191 EA 15 KV Cutout.....	345.60	
26 05 46 00-0192 EA 9/10 KV Arrestor.....	309.87	82.56
<b>26 05 46 00-0193 Spacer Cable, Conduit Support And Cluster Bracket</b> (26 05 46 00-0185)		
26 05 46 00-0194 EA Parallel Cable Spacer.....	226.92	82.56
26 05 46 00-0195 EA Conduit Standoff Support Bracket.....	217.58	82.56
26 05 46 00-0196 EA Three Transformer Pole Mounted Cluster Bracket.....	541.30	82.56
<b>26 05 46 00-0197 15 KV 200 Amp Solenoid Operated High Voltage Switch</b> (26 05 46 00-0185)		
Note: Includes pole mounting bracket.		
26 05 46 00-0198 EA 15 KV, 1 Phase, Solenoid Switch With Pole Bracket.....	1,987.09	206.42
<b>26 05 46 00-0199 Octagonal Tapered</b> (26 05 46 00-0118)		
26 05 46 00-0200 EA 40', Galvanized Steel Tapered Octagonal Pole For Distribution.....	4,614.90	495.40
26 05 46 00-0201 EA 45', Galvanized Steel Tapered Octagonal Pole For Distribution.....	5,090.88	536.68
26 05 46 00-0202 EA 50', Galvanized Steel Tapered Octagonal Pole For Distribution.....	5,634.52	577.96
26 05 46 00-0203 EA 55', Galvanized Steel Tapered Octagonal Pole For Distribution.....	6,196.04	701.82
26 05 46 00-0204 EA 60', Galvanized Steel Tapered Octagonal Pole For Distribution.....	8,207.25	743.10
26 05 46 00-0205 EA 65', Galvanized Steel Tapered Octagonal Pole For Distribution.....	9,082.63	919.32
26 05 46 00-0206 EA 70', Galvanized Steel Tapered Octagonal Pole For Distribution.....	10,518.79	978.00
26 05 46 00-0207 EA 75', Galvanized Steel Tapered Octagonal Pole For Distribution.....	11,326.29	1,173.60
26 05 46 00-0208 EA 80', Galvanized Steel Tapered Octagonal Pole For Distribution.....	12,191.92	1,251.84
26 05 46 00-0209 EA 85', Galvanized Steel Tapered Octagonal Pole For Distribution.....	12,917.42	1,408.32
26 05 46 00-0210 EA 90', Galvanized Steel Tapered Octagonal Pole For Distribution.....	14,659.85	1,486.56
26 05 46 00-0211 EA 95', Galvanized Steel Tapered Octagonal Pole For Distribution.....	15,573.03	1,760.40
26 05 46 00-0212 EA 100', Galvanized Steel Tapered Octagonal Pole For Distribution.....	16,675.23	1,877.76
26 05 46 00-0213 EA 105', Galvanized Steel Tapered Octagonal Pole For Distribution.....	17,852.19	2,112.48
<b>26 05 46 00-0214 Removal And Relocation Of Steel Service Poles</b> (26 05 46 00-0118)		
26 05 46 00-0215 LF Removal And Relocation Of Steel Service Poles With Arms Up To 60'.....	28.90	
<b>26 05 46 00-0216 Special Steel Bases For Poles</b> (26 05 46 00-0118)		
26 05 46 00-0217 EA Spin-In Steel Base For Poles.....	168.63	
26 05 46 00-0218 EA Series 3, 25' Pole And less.....	186.78	41.28
26 05 46 00-0219 EA Series 4, 40' Pole And less.....	222.35	47.47
26 05 46 00-0220 EA Series 5, 50' Pole And less.....	253.76	51.60
<b>26 05 46 00-0221 Primary Fuse Cutouts</b> (26 05 46)		
Note: Interrupting rating RMS, amperes - 25,000 symmetric and 40,000 asymmetric.		
<b>26 05 46 00-0222 Non-Loadbreak Current Limiting Primary Fuse Cutouts</b> (26 05 46 00-0221)		
Note: Includes the fuse and cut-out switch.		
<b>26 05 46 00-0223 8.3 KV-95 KV-BIL Non-Loadbreak Current Limiting</b> (26 05 46 00-0222)		
26 05 46 00-0224 EA 15 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting.....	492.09	206.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	99.08	
26 05 46 00-0225 EA 25 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting.....	574.65	206.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	123.85	
26 05 46 00-0226 EA 40 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting.....	656.94	206.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	148.54	
26 05 46 00-0227 EA 100 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting.....	672.33	206.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	148.63	
26 05 46 00-0228 EA 200 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting.....	672.33	206.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	148.63	
<b>26 05 46 00-0229 17.1 KV-95 KV-BIL Non-Loadbreak Current Limiting</b> (26 05 46 00-0222)		
26 05 46 00-0230 EA 15 A Primary Fuse Cutout 17.1 KV - 95 KV Non-Loadbreak Current Limiting.....	492.09	165.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	99.08	
<b>26 05 46 00-0231 17.1 KV-125 KV-BIL Non-Loadbreak Current Limiting</b> (26 05 46 00-0222)		
26 05 46 00-0232 EA 15 A Primary Fuse Cutout 17.1 KV - 125 KV Non-Loadbreak Current Limiting.....	512.50	165.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	99.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 46 00-0233 Fuseholders</b> <small>(26 05 46 00-0222)</small>		
<small>Note: Including current limiting fuse.</small>		
26 05 46 00-0234 EA 15 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	406.08	206.42
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>99.08</i>	
26 05 46 00-0235 EA 25 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	488.64	206.42
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>123.85</i>	
26 05 46 00-0236 EA 40 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	570.93	206.42
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>148.54</i>	
26 05 46 00-0237 EA 100 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting .....	413.14	206.42
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>99.08</i>	
26 05 46 00-0238 EA 200 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting .....	495.70	206.42
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>123.85</i>	
26 05 46 00-0239 EA 15 A 17.1 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting .....	406.08	165.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>99.08</i>	
<b>26 05 46 00-0240 Accessories</b> <small>(26 05 46 00-0222)</small>		
26 05 46 00-0241 EA Hot Line Clamp .....	62.34	18.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>12.38</i>	
26 05 46 00-0242 EA Stirrup .....	68.82	18.57
<b>26 05 46 00-0243 Loadbreak Current Limiting Primary Fuse Cutouts</b> <small>(26 05 46 00-0221)</small>		
<small>Note: Includes fuse, cutout switch, crossarm mounting bracket and fuse holder.</small>		
<b>26 05 46 00-0244 8.3 KV-95 KV BIL Loadbreak Current Limiting</b> <small>(26 05 46 00-0243)</small>		
26 05 46 00-0245 EA 15 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting .....	651.00	206.42
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>99.08</i>	
26 05 46 00-0246 EA 25 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting.....	733.56	206.42
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>123.85</i>	
26 05 46 00-0247 EA 40 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting.....	815.85	206.42
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>148.54</i>	
26 05 46 00-0248 EA 100 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting.....	846.05	206.42
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>148.63</i>	
26 05 46 00-0249 EA 200 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting .....	846.05	206.42
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>148.63</i>	
<b>26 05 46 00-0250 17.1 KV-95 KV BIL Loadbreak Current Limiting</b> <small>(26 05 46 00-0243)</small>		
26 05 46 00-0251 EA 15 A Primary Fuse Cutout 17.1 KV - 95 KV Loadbreak Current Limiting.....	651.00	165.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>99.08</i>	
<b>26 05 46 00-0252 17.1 KV-125 KV BIL Loadbreak Current Limiting</b> <small>(26 05 46 00-0243)</small>		
26 05 46 00-0253 EA 15 A Primary Fuse Cutout 17.1 KV - 125 KV Loadbreak Current Limiting.....	651.00	165.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>99.08</i>	
<b>26 05 46 00-0254 Fuseholders</b> <small>(26 05 46 00-0243)</small>		
<small>Note: Includes current limiting fuses.</small>		
26 05 46 00-0255 EA 15 Amp, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting .....	413.37	206.42
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>99.08</i>	
26 05 46 00-0256 EA 25 Amp, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting .....	495.93	206.42
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>123.85</i>	
26 05 46 00-0257 EA 40 Amp, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting .....	578.22	206.42
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>148.54</i>	
26 05 46 00-0258 EA 15 Amp, 17.1 KV Primary Fuseholder With Fuse Loadbreak Current Limiting .....	413.37	206.42
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>99.08</i>	
<b>26 05 46 00-0259 Pole Mounted Capacitors</b> <small>(26 05 46 00-0243)</small>		
26 05 46 00-0260 EA Capacitors - Pole Mounted 6 KVAR.....	1,238.63	166.46
<b>26 05 46 00-0261 Pole Structure Assemblies</b> <small>(26 05 46 00-0221)</small>		
<b>26 05 46 00-0262 5 KV Pole Structure Assemblies</b> <small>(26 05 46 00-0261)</small>		
<small>Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.</small>		
26 05 46 00-0263 EA Type OH-1, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	343.64	156.88
26 05 46 00-0264 EA Type OH-2, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	573.48	264.21
26 05 46 00-0265 EA Type OH-3, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	697.75	206.42
26 05 46 00-0266 EA Type OH-4, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	405.66	107.34
26 05 46 00-0267 EA Type OH-5, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	507.73	148.62
26 05 46 00-0268 EA Type OH-6, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	869.67	297.24
26 05 46 00-0269 EA Type OH-7, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	687.96	222.93
26 05 46 00-0270 EA Type OH-8, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,235.71	445.86
26 05 46 00-0271 EA Type OH-9, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,407.80	503.65
26 05 46 00-0272 EA Type OH-10, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	780.31	247.70
26 05 46 00-0273 EA Type OH-11, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	637.62	264.21
26 05 46 00-0274 EA Type OH-12, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,177.72	536.68
26 05 46 00-0275 EA Type OH-13, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	938.64	322.01
26 05 46 00-0276 EA Type OH-14, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	572.42	231.19



**26 Electrical****26 05 Common Work Results For Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0277 EA Type OH-15, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,056.26	470.64
26 05 46 00-0278 EA Type OH-16, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	870.58	239.44
<b>26 05 46 00-0279 15 KV Pole Structure Assemblies</b> (26 05 46 00-0261) Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0280 EA Type OH-1, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	364.05	156.88
26 05 46 00-0281 EA Type OH-2, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	602.63	264.21
26 05 46 00-0282 EA Type OH-3, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	796.88	206.42
26 05 46 00-0283 EA Type OH-4, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	440.65	107.34
26 05 46 00-0284 EA Type OH-5, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	557.29	140.37
26 05 46 00-0285 EA Type OH-6, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	968.80	297.24
26 05 46 00-0286 EA Type OH-7, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	760.85	222.93
26 05 46 00-0287 EA Type OH-8, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,384.41	445.86
26 05 46 00-0288 EA Type OH-9, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,608.99	503.65
26 05 46 00-0289 EA Type OH-10, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	879.44	247.70
26 05 46 00-0290 EA Type OH-11, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	675.53	264.21
26 05 46 00-0291 EA Type OH-12, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,215.63	536.68
26 05 46 00-0292 EA Type OH-13, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,014.45	322.01
26 05 46 00-0293 EA Type OH-14, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	610.33	222.93
26 05 46 00-0294 EA Type OH-15, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,094.17	470.64
26 05 46 00-0295 EA Type OH-16, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	946.39	288.99
<b>26 05 46 00-0296 25 KV Pole Structure Assemblies</b> (26 05 46 00-0261) Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0297 EA Type OH-3, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,226.42	247.70
26 05 46 00-0298 EA Type OH-4, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	764.30	123.85
26 05 46 00-0299 EA Type OH-5, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,105.46	189.90
26 05 46 00-0300 EA Type OH-6, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,385.48	388.06
26 05 46 00-0301 EA Type OH-7, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,362.51	288.99
26 05 46 00-0302 EA Type OH-8, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,143.21	569.71
26 05 46 00-0303 EA Type OH-9, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,996.27	644.02
26 05 46 00-0304 EA Type OH-13, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,432.13	375.68
26 05 46 00-0305 EA Type OH-16, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,234.06	375.68
<b>26 05 46 00-0306 50 KV Pole Structure Assemblies</b> (26 05 46 00-0261) Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0307 EA Type OH-3, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,647.32	338.52
26 05 46 00-0308 EA Type OH-4, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	903.08	173.39
26 05 46 00-0309 EA Type OH-5, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,113.18	272.47
26 05 46 00-0310 EA Type OH-6, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,074.74	553.20
26 05 46 00-0311 EA Type OH-7, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,595.42	412.83
26 05 46 00-0312 EA Type OH-8, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	3,047.97	825.67
26 05 46 00-0313 EA Type OH-9, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	3,636.74	916.49
26 05 46 00-0314 EA Type OH-10, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,865.50	445.86
26 05 46 00-0315 EA Type OH-13, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,845.58	516.05
26 05 46 00-0316 EA Type OH-16, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,784.86	487.14
<b>26 05 46 00-0317 Overhead To Underground Conversion Structures</b> (26 05 46 00-0221) Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination and neutral wire brackets. Excludes pole.		
<b>26 05 46 00-0318 5 KV Structures</b> (26 05 46 00-0317) Note: Excludes pole.		
26 05 46 00-0319 EA (3 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	3,711.24	1,651.34
26 05 46 00-0320 EA (3 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	3,711.24	1,651.34
26 05 46 00-0321 EA (4 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	3,711.24	1,651.34
26 05 46 00-0322 EA (4 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	3,711.24	1,651.34
<b>26 05 46 00-0323 15 KV Structures</b> (26 05 46 00-0317) Note: Excludes pole.		
26 05 46 00-0324 EA (3 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles.....	3,848.43	1,651.34
26 05 46 00-0325 EA (3 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles.....	3,848.43	1,651.34
26 05 46 00-0326 EA (4 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles.....	3,848.43	1,651.34
26 05 46 00-0327 EA (4 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles.....	3,848.43	1,651.34
<b>26 05 46 00-0328 25 KV Structures</b> (26 05 46 00-0317) Note: Excludes pole.		
26 05 46 00-0329 EA (3 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles.....	3,998.09	1,651.34
26 05 46 00-0330 EA (3 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles.....	3,998.09	1,651.34
26 05 46 00-0331 EA (4 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles.....	3,998.09	1,651.34
26 05 46 00-0332 EA (4 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles.....	3,998.09	1,651.34



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 46 00-0333 Transformer Stations</b> <small>(26 05 46 00-0221)</small>		
Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination, neutral wire brackets and transformer mounting bracket(s). Excludes pole and transformer.		
<b>26 05 46 00-0334 5 KV Station</b> <small>(26 05 46 00-0333)</small>		
26 05 46 00-0335 EA (Single Transformer, 1 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole.....	5,148.53	2,200.61
26 05 46 00-0336 EA (Double Transformer, 1 Phase, 3 Wire Tangent), 5 KV Transformer Station Without Pole.....	5,773.39	2,476.51
26 05 46 00-0337 EA (Triple Transformer, 3 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole.....	6,398.24	2,752.23
26 05 46 00-0338 EA (Triple Transformer, 3 Phase, 4 Wire Dead End), 5 KV Transformer Station Without Pole.....	6,398.24	2,752.23
26 05 46 00-0339 EA (Single Transformer, 1 Phase, 2 Wire Tangent), 5 KV Transformer Station Without Pole.....	5,148.53	2,200.61
<b>26 05 46 00-0340 15 KV Stations</b> <small>(26 05 46 00-0333)</small>		
26 05 46 00-0341 EA (Single Transformer, 1 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole.....	5,285.72	2,200.61
26 05 46 00-0342 EA (Double Transformer, 1 Phase, 3 Wire Tangent), 15 KV Transformer Station Without Pole.....	5,910.58	2,476.51
26 05 46 00-0343 EA (Triple Transformer, 3 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole.....	6,535.44	2,752.23
26 05 46 00-0344 EA (Triple Transformer, 3 Phase, 4 Wire Dead End), 15 KV Transformer Station Without Pole.....	6,535.44	2,752.23
26 05 46 00-0345 EA (Single Transformer, 1 Phase, 2 Wire Tangent), 15 KV Transformer Station Without Pole.....	5,285.72	2,200.61
<b>26 05 46 00-0346 25 KV Stations</b> <small>(26 05 46 00-0333)</small>		
26 05 46 00-0347 EA (Single Transformer, 1 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole.....	5,435.38	2,200.61
26 05 46 00-0348 EA (Double Transformer, 1 Phase, 3 Wire Tangent), 25 KV Transformer Station Without Pole.....	6,060.25	2,476.51
26 05 46 00-0349 EA (Triple Transformer, 3 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole.....	6,685.10	2,752.23
26 05 46 00-0350 EA (Triple Transformer, 3 Phase, 4 Wire Dead End), 25 KV Transformer Station Without Pole.....	6,685.10	2,752.23
26 05 46 00-0351 EA (Single Transformer, 1 Phase, 2 Wire Tangent), 25 KV Transformer Station Without Pole.....	5,435.38	2,200.61
<b>26 05 53 Identification for Electrical Systems</b> <small>(26 05)</small>		
<b>26 05 53 00-0001 Conduit Markers Pressure-Sensitive</b> <small>(26 05 53)</small>		
Note: Stick-on, includes arrow tape.		
26 05 53 00-0002 EA 1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	8.64	
26 05 53 00-0003 EA 3/4" Outside Diameter Pressure Sensitive Marker Stick-on.....	9.01	
26 05 53 00-0004 EA 1" Outside Diameter Pressure Sensitive Marker Stick-on.....	9.74	
26 05 53 00-0005 EA 1-1/4" Outside Diameter Pressure Sensitive Marker Stick-on.....	9.89	
26 05 53 00-0006 EA 1-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	10.03	
26 05 53 00-0007 EA 2" Outside Diameter Pressure Sensitive Marker Stick-on.....	10.25	
26 05 53 00-0008 EA 2-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	12.26	
26 05 53 00-0009 EA 3" Outside Diameter Pressure Sensitive Marker Stick-on.....	12.55	
26 05 53 00-0010 EA 3-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	12.77	
26 05 53 00-0011 EA 4" Outside Diameter Pressure Sensitive Marker Stick-on.....	12.99	
26 05 53 00-0012 EA 4-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	13.45	
26 05 53 00-0013 EA 5" Outside Diameter Pressure Sensitive Marker Stick-on.....	13.94	
26 05 53 00-0014 EA 6" Outside Diameter Pressure Sensitive Marker Stick-on.....	14.38	
26 05 53 00-0015 EA 7" Outside Diameter Pressure Sensitive Marker Stick-on.....	14.81	
26 05 53 00-0016 EA 8" Outside Diameter Pressure Sensitive Marker Stick-on.....	16.41	
26 05 53 00-0017 EA 10" Outside Diameter Pressure Sensitive Marker Stick-on.....	17.21	
<b>26 05 53 00-0018 Labeling Electrical Wires</b> <small>(26 05 53)</small>		
Note: Self-adhesive vinly coated white cloth		
26 05 53 00-0019 EA Labeling Wire.....	2.32	
<b>26 05 83 Wiring Connections</b> <small>(26 05)</small>		
<b>26 05 83 00-0001 Tape Wrapped Compression Connectors</b> <small>(26 05 83)</small>		
26 05 83 00-0002 EA #6 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	10.31	3.30
26 05 83 00-0003 EA #4 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	11.35	3.67
26 05 83 00-0004 EA #2 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	12.36	4.04
26 05 83 00-0005 EA 1/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	14.41	4.40
26 05 83 00-0006 EA 2/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	15.50	4.77
26 05 83 00-0007 EA 3/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	17.23	5.13
26 05 83 00-0008 EA 4/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	18.48	5.50
26 05 83 00-0009 EA 250 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	20.17	5.87
26 05 83 00-0010 EA 300 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	22.29	6.61
26 05 83 00-0011 EA 350 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	23.36	6.97
26 05 83 00-0012 EA 400 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	26.18	7.34
26 05 83 00-0013 EA 500 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	28.61	7.71
26 05 83 00-0014 EA 750 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	32.03	8.44
26 05 83 00-0015 EA 1,000 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	37.28	9.54
<b>26 05 83 00-0016 One Hole Compression Lugs</b> <small>(26 05 83)</small>		
26 05 83 00-0017 EA #22-18 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	12.89	9.54
26 05 83 00-0018 EA #16-14 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	13.00	9.54
26 05 83 00-0019 EA #12-10 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	14.72	10.28
26 05 83 00-0020 EA #8 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	18.47	11.37

**26 Electrical****26 05 Common Work Results For Electrical****26 05 83 Wiring Connections**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0021 EA #6 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	25.81	14.68
26 05 83 00-0022 EA #4 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	30.05	14.68
26 05 83 00-0023 EA #2 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	34.59	14.68
26 05 83 00-0024 EA 1/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	42.45	22.02
26 05 83 00-0025 EA 2/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	49.61	22.02
26 05 83 00-0026 EA 3/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	58.01	22.02
26 05 83 00-0027 EA 4/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	69.86	29.35
26 05 83 00-0028 EA 250 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	82.83	44.03
26 05 83 00-0029 EA 300 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	94.78	44.03
26 05 83 00-0030 EA 350 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	101.83	44.03
26 05 83 00-0031 EA 400 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	111.04	51.36
26 05 83 00-0032 EA 500 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	121.46	51.36
26 05 83 00-0033 EA 750 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	131.93	58.70
26 05 83 00-0034 EA 1,000 MCM Compression Lugs, 1 Hole, Low Voltage, To 600 Volts.....	155.89	66.04
<b>26 05 83 00-0035 Two Hole Compression Lugs (26 05 83)</b>		
26 05 83 00-0036 EA #8 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	26.43	12.47
26 05 83 00-0037 EA #6 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	28.46	13.28
26 05 83 00-0038 EA #4 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	29.92	13.28
26 05 83 00-0039 EA #2 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	34.44	15.26
26 05 83 00-0040 EA 1/0 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	42.29	19.08
26 05 83 00-0041 EA 2/0 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	49.44	22.68
26 05 83 00-0042 EA 3/0 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	57.82	26.57
26 05 83 00-0043 EA 4/0 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	69.66	32.21
26 05 83 00-0044 EA 250 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	82.59	38.23
26 05 83 00-0045 EA 300 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	94.50	43.66
26 05 83 00-0046 EA 350 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	101.53	47.04
26 05 83 00-0047 EA 400 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	110.70	50.93
26 05 83 00-0048 EA 500 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	121.07	55.62
26 05 83 00-0049 EA 750 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	132.52	60.31
26 05 83 00-0050 EA 1,000 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	164.70	73.38
<b>26 05 83 00-0051 Tape Wrapped Split Bolt Connectors (26 05 83)</b>		
26 05 83 00-0052 EA #8 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	39.08	29.35
26 05 83 00-0053 EA #6 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	42.97	31.55
26 05 83 00-0054 EA #4 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	49.03	33.02
26 05 83 00-0055 EA #2 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	57.11	36.69
26 05 83 00-0056 EA 1/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	67.64	40.36
26 05 83 00-0057 EA 2/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	76.51	44.03
26 05 83 00-0058 EA 3/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	95.88	47.69
26 05 83 00-0059 EA 4/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	102.90	51.36
26 05 83 00-0060 EA 250 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	108.54	55.03
26 05 83 00-0061 EA 300 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	124.83	60.53
26 05 83 00-0062 EA 350 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	141.11	88.05
26 05 83 00-0063 EA 400 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	154.91	73.38
26 05 83 00-0064 EA 500 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	168.71	99.06
26 05 83 00-0065 EA 750 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	188.96	102.73
26 05 83 00-0066 EA 1,000 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	215.83	110.07
<b>26 05 83 00-0067 Cable Termination Lugs Handwrapped, No Stress Cone (26 05 83)</b>		
26 05 83 00-0068 EA #8 Or #6 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	53.03	29.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.41	
26 05 83 00-0069 EA #4 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	61.72	29.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.47	
26 05 83 00-0070 EA 1/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	85.01	44.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.46	
26 05 83 00-0071 EA 4/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	102.60	44.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.22	
26 05 83 00-0072 EA 300 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	123.68	55.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.35	
26 05 83 00-0073 EA 500 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	171.42	73.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.86	
<b>26 05 83 00-0074 Terminal Blocks (26 05 83)</b>		
Note: Labor excludes wire termination.		
26 05 83 00-0075 EA Power Distribution Block, 250 MCM 3 Phase Terminal Block, No Labor Wire Termination, 600 Volt.....	671.72	271.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	163.06	
26 05 83 00-0076 EA #22 To #10 Wire Size, 12 Point, 600 Volt Terminal Block.....	189.73	36.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.27	
26 05 83 00-0077 EA #8 To #2 Wire Size, 12 Point, 600 Volt Terminal Block.....	211.17	36.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.51	
<b>26 05 83 00-0078 Parallel Gutter Tap Or Motor Connection (26 05 83)</b>		
26 05 83 00-0079 EA #8 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	26.43	13.28
26 05 83 00-0080 EA #6 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	28.46	13.28
26 05 83 00-0081 EA #4 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	29.92	13.28



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0082 EA #2 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	34.44	15.26
26 05 83 00-0083 EA 1/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	42.29	19.08
26 05 83 00-0084 EA 2/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	49.44	22.68
26 05 83 00-0085 EA 3/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	57.83	26.57
26 05 83 00-0086 EA 4/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	69.66	32.21
26 05 83 00-0087 EA 250 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	82.59	38.23
26 05 83 00-0088 EA 300 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	94.50	43.66
26 05 83 00-0089 EA 350 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	101.54	47.04
26 05 83 00-0090 EA 400 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	110.70	50.93
26 05 83 00-0091 EA 500 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	121.07	55.62
26 05 83 00-0092 EA 750 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	121.42	55.62
26 05 83 00-0093 EA #8 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....	26.43	13.28
26 05 83 00-0094 EA #6 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....	28.46	13.28
26 05 83 00-0095 EA #4 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....	29.92	13.28
26 05 83 00-0096 EA #2 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....	34.44	15.26
26 05 83 00-0097 EA 1/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....	42.29	19.08
26 05 83 00-0098 EA 2/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....	49.44	22.68
26 05 83 00-0099 EA 3/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....	57.83	26.57
26 05 83 00-0100 EA 4/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....	69.66	32.21
26 05 83 00-0101 EA 250 MCM Parallel Gutter Tap, Versitap, Insulating Cover .....	82.59	38.23
26 05 83 00-0102 EA 300 MCM Parallel Gutter Tap, Versitap, Insulating Cover .....	94.50	43.66
26 05 83 00-0103 EA 350 MCM Parallel Gutter Tap, Versitap, Insulating Cover .....	101.54	47.04
26 05 83 00-0104 EA 400 MCM Parallel Gutter Tap, Versitap, Insulating Cover .....	110.70	50.93
26 05 83 00-0105 EA 500 MCM Parallel Gutter Tap, Versitap, Insulating Cover .....	121.07	55.62
26 05 83 00-0106 EA 750 MCM Parallel Gutter Tap, Versitap, Insulating Cover .....	121.42	55.62
<b>26 05 83 00-0107 Copper Mechanical Lugs <small>(26 05 83)</small></b>		
26 05 83 00-0108 EA #8 Copper Mechanical Lugs .....	20.81	9.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.51	
26 05 83 00-0109 EA #6 Copper Mechanical Lugs .....	24.97	11.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.65	
26 05 83 00-0110 EA #4 Copper Mechanical Lugs .....	28.85	12.84
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.70	
26 05 83 00-0111 EA #2 Copper Mechanical Lugs .....	37.74	16.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.83	
26 05 83 00-0112 EA 1/0 Copper Mechanical Lugs .....	50.83	22.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.21	
26 05 83 00-0113 EA 2/0 Copper Mechanical Lugs .....	60.57	25.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.34	
26 05 83 00-0114 EA 3/0 Copper Mechanical Lugs .....	70.82	29.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.61	
26 05 83 00-0115 EA 4/0 Copper Mechanical Lugs .....	80.59	32.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.75	
26 05 83 00-0116 EA 250 MCM Copper Mechanical Lugs.....	92.26	36.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.01	
26 05 83 00-0117 EA 300 MCM Copper Mechanical Lugs.....	103.74	40.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.22	
26 05 83 00-0118 EA 350 MCM Copper Mechanical Lugs.....	115.19	44.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.42	
26 05 83 00-0119 EA 400 MCM Copper Mechanical Lugs.....	126.54	47.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.59	
26 05 83 00-0120 EA 500 MCM Copper Mechanical Lugs.....	138.09	51.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.82	
26 05 83 00-0121 EA 750 MCM Copper Mechanical Lugs.....	156.52	58.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.11	
26 05 83 00-0122 EA 1,000 MCM Copper Mechanical Lugs.....	177.20	66.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.62	
<b>26 05 83 00-0123 Gel Connectors <small>(26 05 83)</small></b>		
26 05 83 00-0124 EA 3 Port, #14 to 2/0, Push On Gel Stub Splice Kit.....	38.30	
Note: Kit contains connector, gel filled cap and cap clamp.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.21	
26 05 83 00-0125 EA 4 Port, #14 to 2, Gel Tap Splice Kit.....	37.04	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.65	
<b>26 05 83 00-0126 Other Connections <small>(26 05 83)</small></b>		
26 05 83 00-0127 EA #14 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	7.43	3.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.01	
26 05 83 00-0128 EA #12 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	7.51	3.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.01	
26 05 83 00-0129 EA #10 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	7.58	3.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.01	
<b>26 05 83 00-0130 Motor/Equipment Connections And Terminations <small>(26 05 83)</small></b>		
Note: Includes rotation testing. If equipment rating is other than horsepower (KW, CFM, tons, Btu/Hr, etc.) convert units to horsepower and select proper circuit characteristics. Includes material conduit (6 LF max.), connectors and conductors. To connect electrical wiring to all new or existing equipment motors. See CSI section 23 05 13 00-0000 for motors, 23 05 13 00-0253 for motor mounting.		

**26 Electrical****26 05 Common Work Results For Electrical****26 05 83 Wiring Connections**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 83 00-0131 AC Single Phase, 230 Volt</b> <small>(26 05 83 00-0130)</small>		
26 05 83 00-0132 EA <1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	53.35	18.35
26 05 83 00-0133 EA 1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	52.79	18.35
26 05 83 00-0134 EA 3/4 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	60.80	22.02
26 05 83 00-0135 EA 1 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	73.03	27.52
26 05 83 00-0136 EA 1-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	74.15	27.52
26 05 83 00-0137 EA 2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	74.38	27.52
26 05 83 00-0138 EA 3 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	78.07	27.52
26 05 83 00-0139 EA 5 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	96.86	36.69
26 05 83 00-0140 EA 7-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	101.00	36.69
26 05 83 00-0141 EA 10 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	128.62	45.87
<b>26 05 83 00-0142 AC Three Phase, 230 Volt</b> <small>(26 05 83 00-0130)</small>		
26 05 83 00-0143 EA 1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	52.79	18.35
26 05 83 00-0144 EA 3/4 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	60.80	22.02
26 05 83 00-0145 EA 1 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	73.03	27.52
26 05 83 00-0146 EA 1-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	74.15	27.52
26 05 83 00-0147 EA 2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	74.38	27.52
26 05 83 00-0148 EA 3 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	78.07	27.52
26 05 83 00-0149 EA 5 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	96.86	36.69
26 05 83 00-0150 EA 7-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	101.00	36.69
26 05 83 00-0151 EA 10 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	128.62	45.87
26 05 83 00-0152 EA 15 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	134.21	45.87
26 05 83 00-0153 EA 20 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	174.60	55.03
26 05 83 00-0154 EA 25 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	183.09	55.03
26 05 83 00-0155 EA 30 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	252.99	73.38
26 05 83 00-0156 EA 40 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	317.63	91.72
26 05 83 00-0157 EA 50 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	370.67	110.07
26 05 83 00-0158 EA 60 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	446.03	128.41
26 05 83 00-0159 EA 75 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	514.26	146.75
26 05 83 00-0160 EA 100 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	635.84	183.44
26 05 83 00-0161 EA 125 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	747.89	218.30
26 05 83 00-0162 EA 150 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	892.97	254.62
26 05 83 00-0163 EA 200 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,237.30	381.86
<b>26 05 83 00-0164 AC Three Phase, 460 Volt</b> <small>(26 05 83 00-0130)</small>		
26 05 83 00-0165 EA 1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	52.79	18.35
26 05 83 00-0166 EA 3/4 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	60.80	22.02
26 05 83 00-0167 EA 1 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	73.03	27.52
26 05 83 00-0168 EA 1-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	74.15	27.52
26 05 83 00-0169 EA 2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	74.38	27.52
26 05 83 00-0170 EA 3 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	78.07	27.52
26 05 83 00-0171 EA 5 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	96.86	36.69
26 05 83 00-0172 EA 7-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	101.00	36.69
26 05 83 00-0173 EA 10 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	128.62	45.87
26 05 83 00-0174 EA 15 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	134.21	45.87
26 05 83 00-0175 EA 20 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	174.60	55.03
26 05 83 00-0176 EA 25 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	183.09	55.03
26 05 83 00-0177 EA 30 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	252.99	73.38
26 05 83 00-0178 EA 40 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	317.85	91.87
26 05 83 00-0179 EA 50 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	370.67	110.07
26 05 83 00-0180 EA 60 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	446.03	128.41
26 05 83 00-0181 EA 75 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	514.26	146.75
26 05 83 00-0182 EA 100 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	635.84	183.44
26 05 83 00-0183 EA 125 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	748.10	218.37
26 05 83 00-0184 EA 150 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	893.25	254.76
26 05 83 00-0185 EA 200 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,237.94	382.15
<b>26 05 83 00-0186 AC Single Phase, 120 Volt</b> <small>(26 05 83 00-0130)</small>		
26 05 83 00-0187 EA 1/2 HP AC And Less Single Phase, 120 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	53.35	18.35
<b>26 05 83 00-0188 Motor Moisture Sensor</b> <small>(26 05 83 00-0130)</small>		
26 05 83 00-0189 EA Motor Moisture Sensor Located In Winding.....	576.59	

**26 09 Instrumentation and Control for Electrical Systems** (26)

Note: Includes testing of new devices and certification.

**26 09 23 Lighting Control Devices** (26 09)

26 09 23 00-0001	Lighting Contactors <small>(26 09 23)</small>	
	Note: Up to 600 volt.	
26 09 23 00-0002	Electrically Held, Lighting Contactors <small>(26 09 23 00-0001)</small>	
26 09 23 00-0003	NEMA 1 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0002)</small>	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 09 23 00-0004</b> <b>2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors</b> <small>(26 09 23 00-0003)</small>		
26 09 23 00-0005    EA    20 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor .....	299.02	58.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.22	
26 09 23 00-0006    EA    30 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor .....	369.59	66.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.62	
26 09 23 00-0007    EA    60 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor .....	691.96	102.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.64	
26 09 23 00-0008    EA    100 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,077.68	139.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.65	
26 09 23 00-0009    EA    200 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,245.52	183.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	110.07	
<b>26 09 23 00-0010</b> <b>3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors</b> <small>(26 09 23 00-0003)</small>		
26 09 23 00-0011    EA    20 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor .....	337.69	66.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.62	
26 09 23 00-0012    EA    30 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor .....	405.22	73.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.03	
26 09 23 00-0013    EA    60 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor .....	749.25	117.41
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	70.44	
26 09 23 00-0014    EA    100 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,163.93	154.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	92.46	
26 09 23 00-0015    EA    200 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,410.45	201.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	121.07	
<b>26 09 23 00-0016</b> <b>4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors</b> <small>(26 09 23 00-0003)</small>		
26 09 23 00-0017    EA    20 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor .....	397.63	73.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.03	
26 09 23 00-0018    EA    30 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor .....	477.28	80.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.43	
26 09 23 00-0019    EA    60 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor .....	906.34	132.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	79.25	
26 09 23 00-0020    EA    100 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,392.36	168.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	101.26	
26 09 23 00-0021    EA    200 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	3,077.33	220.14
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	132.08	
<b>26 09 23 00-0022</b> <b>NEMA 4 Enclosure, Electrically Held, Lighting Contactors</b> <small>(26 09 23 00-0002)</small>		
<b>26 09 23 00-0023</b> <b>2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors</b> <small>(26 09 23 00-0002)</small>		
26 09 23 00-0024    EA    20 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor .....	492.09	58.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.22	
26 09 23 00-0025    EA    30 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor .....	625.56	66.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.62	
26 09 23 00-0026    EA    60 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor .....	1,202.41	102.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.64	
26 09 23 00-0027    EA    100 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,802.69	139.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	83.65	
26 09 23 00-0028    EA    200 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	3,482.97	183.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	110.07	
<b>26 09 23 00-0029</b> <b>3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors</b> <small>(26 09 23 00-0002)</small>		
26 09 23 00-0030    EA    20 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor .....	510.58	66.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.62	
26 09 23 00-0031    EA    30 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor .....	661.19	73.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.03	
26 09 23 00-0032    EA    60 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor .....	1,261.20	117.41
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	70.44	
26 09 23 00-0033    EA    100 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,888.43	154.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	92.46	
26 09 23 00-0034    EA    200 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	3,647.40	201.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	121.07	
<b>26 09 23 00-0035</b> <b>4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors</b> <small>(26 09 23 00-0002)</small>		
26 09 23 00-0036    EA    20 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor .....	551.97	73.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.03	
26 09 23 00-0037    EA    30 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor .....	733.25	80.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.43	
26 09 23 00-0038    EA    60 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor .....	1,617.37	132.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	79.25	
26 09 23 00-0039    EA    100 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	2,315.95	168.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	101.26	
26 09 23 00-0040    EA    200 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	4,863.15	220.14
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	132.08	
<b>26 09 23 00-0041</b> <b>Mechanically Held, Lighting Contactors</b> <small>(26 09 23 00-0001)</small>		

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0042			NEMA 1 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0041)</small>		
26 09 23 00-0043			2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0042)</small>		
26 09 23 00-0044	EA		20 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....	439.73	58.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.22	
26 09 23 00-0045	EA		30 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....	500.32	66.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.62	
26 09 23 00-0046	EA		60 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....	946.43	102.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.64	
26 09 23 00-0047	EA		100 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....	1,318.69	139.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.65	
26 09 23 00-0048	EA		200 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....	3,027.91	183.44
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110.07	
26 09 23 00-0049			3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0042)</small>		
26 09 23 00-0050	EA		20 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....	470.22	66.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.62	
26 09 23 00-0051	EA		30 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....	536.95	73.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.03	
26 09 23 00-0052	EA		60 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....	1,005.22	117.41
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.44	
26 09 23 00-0053	EA		100 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....	1,405.43	154.09
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.46	
26 09 23 00-0054	EA		200 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....	3,404.90	201.79
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.07	
26 09 23 00-0055			4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0042)</small>		
26 09 23 00-0056	EA		20 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....	507.80	73.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.03	
26 09 23 00-0057	EA		30 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....	572.58	80.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.43	
26 09 23 00-0058	EA		60 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....	1,175.78	132.08
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.25	
26 09 23 00-0059	EA		100 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....	1,648.33	168.77
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.26	
26 09 23 00-0060	EA		200 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor .....	4,109.20	220.14
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	132.08	
26 09 23 00-0061			NEMA 4 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0041)</small>		
26 09 23 00-0062			2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0061)</small>		
26 09 23 00-0063	EA		20 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....	657.34	58.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.22	
26 09 23 00-0064	EA		30 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....	756.29	66.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.62	
26 09 23 00-0065	EA		60 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....	1,458.38	102.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.64	
26 09 23 00-0066	EA		100 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....	2,043.69	139.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.65	
26 09 23 00-0067	EA		200 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....	4,264.36	183.44
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110.07	
26 09 23 00-0068			3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0061)</small>		
26 09 23 00-0069	EA		20 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....	694.92	66.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.62	
26 09 23 00-0070	EA		30 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....	792.92	73.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.03	
26 09 23 00-0071	EA		60 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....	1,517.17	117.41
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.44	
26 09 23 00-0072	EA		100 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....	2,130.93	154.09
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.46	
26 09 23 00-0073	EA		200 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....	4,642.35	201.79
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.07	
26 09 23 00-0074			4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0061)</small>		
26 09 23 00-0075	EA		20 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....	735.22	73.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.03	
26 09 23 00-0076	EA		30 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....	828.56	80.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.43	
26 09 23 00-0077	EA		60 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....	1,886.82	132.08
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.25	
26 09 23 00-0078	EA		100 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor .....	2,571.93	168.77
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0079 EA 200 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,858.60 132.08	220.14
<b>26 09 23 00-0080 Combination Lighting Contactors (26 09 23)</b> Note: Up to 600 volt.		
26 09 23 00-0081 Electrically Held, Combination Lighting Contactors (26 09 23 00-0080)		
26 09 23 00-0082 NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0081)		
26 09 23 00-0083 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0082)		
26 09 23 00-0084 EA 30 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	846.27 48.43	80.71
26 09 23 00-0085 EA 60 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,327.09 77.49	129.15
26 09 23 00-0086 EA 100 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,139.80 101.70	169.50
26 09 23 00-0087 EA 200 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,899.56 133.18	221.97
26 09 23 00-0088 NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0081)		
26 09 23 00-0089 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors (26 09 23 00-0088)		
26 09 23 00-0090 EA 30 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,528.11 48.43	80.71
26 09 23 00-0091 EA 60 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,377.92 77.49	129.15
26 09 23 00-0092 EA 100 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,973.52 101.70	169.50
26 09 23 00-0093 EA 200 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,245.23 133.18	221.97
26 09 23 00-0094 Mechanically Held, Combination Lighting Contactors (26 09 23 00-0080)		
26 09 23 00-0095 NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors (26 09 23 00-0094)		
26 09 23 00-0096 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors (26 09 23 00-0095)		
26 09 23 00-0097 EA 30 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	924.11 48.43	80.71
26 09 23 00-0098 EA 60 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,596.53 77.49	129.15
26 09 23 00-0099 EA 100 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,395.02 101.70	169.50
26 09 23 00-0100 EA 200 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,624.82 133.18	221.97
26 09 23 00-0101 NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors (26 09 23 00-0094)		
26 09 23 00-0102 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors (26 09 23 00-0101)		
26 09 23 00-0103 EA 30 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,606.70 48.43	80.71
26 09 23 00-0104 EA 60 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,648.86 77.49	129.15
26 09 23 00-0105 EA 100 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,229.49 101.70	169.50
26 09 23 00-0106 EA 200 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,970.48 133.18	221.97



**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 09 23 00-0107 Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket</b> (26 09 23)		
26 09 23 00-0108 EA Photo-Cell, 105-130 Volt Relay, Lighting Arrester, Receptacle And Bracket.....	105.54	19.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.47	
26 09 23 00-0109 EA Photo-Cell, 105-285 Volt Relay, Lighting Arrester, Receptacle And Bracket.....	116.70	19.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.47	
<b>26 09 23 00-0110 Dimming Module System (Lutron Grafik Eye)</b> (26 09 23)		
26 09 23 00-0111 EA 2,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-2).....	989.75	73.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.03	
26 09 23 00-0112 EA 4,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-4).....	1,276.05	73.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.03	
26 09 23 00-0113 EA 6,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-6).....	1,567.46	73.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.03	
<b>26 09 23 00-0114 Dimming Module Contol (Leviton)</b> (26 09 23)		
26 09 23 00-0115 EA 5 Amp Wireless Dimming Module (Leviton WSD05-9D0).....	126.34	9.19
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.51	
<b>26 09 23 00-0116 Light Control Panels</b> (26 09 23)		
<b>26 09 23 00-0117 Lighting Control Panels (Watt Stopper)</b> (26 09 23 00-0116)		
<b>26 09 23 00-0118 Lighting Control Panels (Watt Stopper)</b> (26 09 23 00-0117)		
26 09 23 00-0119 EA 4 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-4).....	1,353.29	102.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.75	
26 09 23 00-0120 EA 8 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-8).....	1,263.62	110.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.17	
26 09 23 00-0121 EA 8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8S-8-G).....	1,426.68	110.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.17	
26 09 23 00-0122 EA 8 Relays, Surface Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24S-8).....	2,156.40	110.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.17	
26 09 23 00-0123 EA 8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24S-8-G).....	2,347.84	110.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.17	
26 09 23 00-0124 EA 4 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-4).....	1,510.11	102.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.75	
26 09 23 00-0125 EA 8 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-8).....	1,620.45	110.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.17	
26 09 23 00-0126 EA 8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8F-8-G).....	1,811.70	110.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.17	
26 09 23 00-0127 EA 8 Relays, Flush Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24F-8).....	2,232.91	110.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.17	
26 09 23 00-0128 EA 8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24F-8-G).....	2,424.34	110.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.17	
<b>26 09 23 00-0129 Accessories For Lighting Control Panels (Watt Stopper)</b> (26 09 23 00-0117)		
26 09 23 00-0130 EA Low Voltage Photocell For Watt Stopper Lighting Control Panels (Watt Stopper EM-24A2).....	127.67	18.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.03	
26 09 23 00-0131 EA Automatic Control Switch For Watt Stopper Lighting Control Panels (Watt Stopper AS-100-W).....	98.03	14.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.82	
26 09 23 00-0132 EA Low Voltage Momentary Switch For Watt Stopper Lighting Control Panels (Watt Stopper DCC2).....	48.84	14.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.82	
<b>26 09 23 00-0133 Lighting Control Panels (Synergy)</b> (26 09 23 00-0116)		
<b>26 09 23 00-0134 Lighting Control Panels (Synergy)</b> (26 09 23 00-0133)		
26 09 23 00-0135 EA 8 Relays, Surface Mount, Lighting Control Panel (Synergy SwitchPak SPAK 8S).....	1,569.94	110.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.17	
<b>26 09 23 00-0136 Accessories For Lighting Control Panels (Synergy)</b> (26 09 23 00-0133)		
26 09 23 00-0137 EA Outdoor Photocell For Synergy SwitchPak Lighting Control Panels (Synergy LSA-APS-OL).....	383.95	18.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.03	
26 09 23 00-0138 EA Sweepswitch, Line Voltage Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy SSPL-20).....	148.74	7.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.41	
26 09 23 00-0139 EA Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy LVPS-2BT).....	85.14	11.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.62	
<b>26 09 23 00-0140 Lighting Switching Panels (Lutron)</b> (26 09 23 00-0116)		
<b>26 09 23 00-0141 Lighting Switching Panels (Lutron)</b> (26 09 23 00-0140)		
26 09 23 00-0142 EA 8 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS8-FT).....	1,280.17	110.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.17	
26 09 23 00-0143 EA 12 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS12-FT).....	1,750.89	117.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	70.58	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0144	EA			16 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS16-FT)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,289.04 74.99	124.98
<b>26 09 23 00-0145    Wireless (ZigBee) LED Lighting Control Panels (PlanLED GigaTera) <small>(26 09 23 00-0116)</small></b>						
26 09 23 00-0146	EA			6 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC6Z)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	860.09 61.75	102.92
26 09 23 00-0147	EA			12 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC12Z)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	979.04 61.75	102.92
26 09 23 00-0148	EA			18 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC18Z)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,098.00 61.75	102.92
<b>26 09 23 00-0149    Power Filters <small>(26 09 23 00-0116)</small></b>						
26 09 23 00-0150	EA			600 Amp 480/277 Volt, 4 Conductor Power Filter With 80" X 60" X 17" Enclosure .....	34,626.84	611.46
26 09 23 00-0151	EA			200 Amp 480/277 Volt, 4 Conductor Power Filter With 25" X 40" X 17" Enclosure .....	20,574.05	265.85
<b>26 09 23 00-0152    Signal Filters <small>(26 09 23 00-0116)</small></b>						
26 09 23 00-0153	EA			0.5 Amp 125 V 500 Conductor Signal Filter With 19" X 36-3/4" X 19-1/8 Case.....	15,586.79	555.91
26 09 23 00-0154	EA			0.5 Amp 125 V 200 Conductor Signal Filter With 29" X 40" X 11" Case.....	10,700.59	339.74
26 09 23 00-0155	EA			0.5 Amp 125 V 3 Pair Conductor Signal Filter With 12" X 12" X 4" Case .....	5,961.82	197.24
26 09 23 00-0156	EA			5 Amp 24 V DC 5 V 2 - 1 Pair Conductor Signal Filter With Case .....	8,188.75	197.24
<b>26 09 23 00-0157    Lighting Control Devices (Encelium) <small>(26 09 23)</small></b>						
26 09 23 00-0158	EA			8 Port, G4, Wired Energy Control Unit, GreenBus II™ (120V) With Polaris 3D™ (Encelium EN-ECU-G4-P3D)..... <i>Note: Excludes GB II cable.</i>	9,016.54	73.51
26 09 23 00-0159	EA			Server, System Support Unit (SSU) (Encelium EN-SSU-1U) .....	4,125.94	73.51
				<i>Note: Excludes GB II and Ethernet cable.</i>		
26 09 23 00-0160	EA			Server, System Support Unit (SSU), VIRTUAL (Encelium EN-SW-SSUVIRT).....	2,150.87	73.51
				<i>Note: Excludes GB II and Ethernet cable.</i>		
26 09 23 00-0161	EA			Server, System Support Unit (SSU) With BACnet (Encelium EN-SSU-BIF-KIT) .....	9,069.52	73.51
				<i>Note: Excludes GB II and Ethernet cable.</i>		
26 09 23 00-0162	EA			Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK).....	72.18	9.19
				<i>Note: Excludes GB II cable.</i>		
26 09 23 00-0163	EA			Damp Rated, Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK/DR).....	111.31	9.19
				<i>Note: Excludes GB II cable.</i>		
26 09 23 00-0164	EA			Wired Area Lighting Controller, Heavy Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK).....	140.75	18.38
				<i>Note: Excludes GB II cable.</i>		
26 09 23 00-0165	EA			Damp Rated, Wired Area Lighting Controller, Heavy Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK-DR).....	169.51	18.38
				<i>Note: Excludes GB II cable.</i>		
26 09 23 00-0166	EA			Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK).....	90.56	18.38
				<i>Note: Excludes GB II cable.</i>		
26 09 23 00-0167	EA			Damp Rated, Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK/DR).....	129.69	18.38
				<i>Note: Excludes GB II cable.</i>		
26 09 23 00-0168	EA			16 Port, Rack Mounted, Wired Ethernet Switch (Encelium ETH-700) .....	325.74	36.76
				<i>Note: Excludes cable.</i>		
26 09 23 00-0169	EA			Rack Mounted, Wired Power Bar (Encelium PWR-700) .....	245.35	36.76
26 09 23 00-0170	EA			Rack Mounted, Wired Power Bar With Surge Protection (Encelium PWR-800) .....	447.43	36.76
26 09 23 00-0171	EA			Wall Mounted, 4U Mounting Rack (Encelium RCK-700).....	154.50	36.76
26 09 23 00-0172	EA			4 Port, 10/100 VPN, Dual WAN, Wired Router (Encelium RV042) .....	501.27	36.76
				<i>Note: Excludes cable.</i>		
26 09 23 00-0173	EA			Wired BACnet Interface (Encelium BIF-600) .....	5,237.64	147.03
				<i>Note: Excludes cable.</i>		
26 09 23 00-0174	EA			Wired AV Interface (Encelium EN-SW-AVINT).....	3,871.73	36.76
				<i>Note: Excludes cable.</i>		
26 09 23 00-0175	EA			Two Button, GB2, Wired Wall Station (Encelium EN-WS-2B-GB2-WH).....	145.60	9.19
				<i>Note: Includes white finish. Excludes GB II cable.</i>		
26 09 23 00-0176	EA			3 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC3-GB2-WH) .....	177.39	9.19
				<i>Note: Includes white finish. Excludes GB II cable.</i>		
26 09 23 00-0177	EA			3 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WH).....	169.72	9.19
				<i>Note: Includes white finish. Excludes GB II cable.</i>		
26 09 23 00-0178	EA			5 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC5-GB2-WH) .....	177.39	9.19
				<i>Note: Includes white finish. Excludes GB II cable.</i>		
26 09 23 00-0179	EA			6 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC6-GB2-WH).....	169.72	9.19
				<i>Note: Includes white finish. Excludes GB II cable.</i>		
26 09 23 00-0180	EA			Rocker Switch, GB2, Wired Wall Station (Encelium EN-WS-R-GB2-WT) .....	128.42	9.19
				<i>Note: Includes white finish. Excludes GB II cable.</i>		
26 09 23 00-0181	EA			Scene Controller, GB2, Wired Wall Station (Encelium EN-WS-SC3D-GB2-WT).....	177.39	9.19
				<i>Note: Includes white finish. Excludes GB II cable.</i>		
26 09 23 00-0182	EA			3 Zone Controller, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WT).....	169.72	9.19
				<i>Note: Includes white finish. Excludes GB II cable.</i>		
26 09 23 00-0183	EA			Wired Key Switch Controller (Encelium KSW-300).....	125.33	9.19
				<i>Note: Excludes GB II cable.</i>		
26 09 23 00-0184	EA			Wall Station Surface Mount Kit (Encelium EN-SMK-ZB-WH) .....	53.78	9.19
				<i>Note: Includes white finish.</i>		
26 09 23 00-0185	EA			1/2' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-0.5FT-GB2) .....	44.80	18.38

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0186 EA 1' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-01FT-GB2) .....	45.14	18.38
26 09 23 00-0187 EA 5' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-05FT-GB2) .....	47.85	18.38
26 09 23 00-0188 EA 10' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-10FT-GB2) .....	50.52	18.38
26 09 23 00-0189 EA 15' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-15FT-GB2) .....	53.72	18.38
26 09 23 00-0190 EA 20' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-20FT-GB2) .....	56.60	18.38
26 09 23 00-0191 EA 25' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-25FT-GB2) .....	60.13	18.38
26 09 23 00-0192 EA 50' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-50FT-GB2) .....	76.12	18.38
26 09 23 00-0193 EA 1,000' Box, GreenBus II™ Cable (Encelium EN-BC-1000FT-GB2) .....	480.18	18.38
26 09 23 00-0194 EA Box Of 50, Greenbus II™ Connectors (Encelium EN-CON-50-GB2) .....	117.89	18.38
26 09 23 00-0195 EA 1,000' Box, Category 5, Network Cable (Encelium NWC-400-B) .....	619.40	18.38
26 09 23 00-0196 EA Indoor Wired Photo Sensor (Encelium PHS-700) .....	364.84	36.76
Note: Excludes GB II cable.		
26 09 23 00-0197 EA Outdoor Wired Photo Sensor (Encelium PHS-800) .....	364.84	36.76
Note: Excludes GB II cable.		
26 09 23 00-0198 EA Skylight Wired Photo Sensor (Encelium PHS-900) .....	364.84	36.76
Note: Excludes GB II cable.		
26 09 23 00-0199 EA 450 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-0450) .....	191.60	36.76
Note: Excludes GB II cable.		
26 09 23 00-0200 EA 1,500 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-1500) .....	185.79	36.76
Note: Excludes GB II cable.		
26 09 23 00-0201 EA 2,500 SF, Wide View, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-WV00) .....	189.67	36.76
Note: Excludes GB II cable.		
26 09 23 00-0202 EA High-Bay, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-HBAY) .....	209.03	36.76
Note: Excludes GB II cable.		
26 09 23 00-0203 EA Long-Range, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-LRNG) .....	189.67	36.76
Note: Excludes GB II cable.		
26 09 23 00-0204 EA Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor, 120-277VAC, No Neutral (Encelium SSP-LNV) .....	150.95	36.76
Note: Excludes GB II cable.		
26 09 23 00-0205 EA High Bay, Passive Infrared, Fixture Mounted, Wired Occupancy Sensor (Encelium WSPM24V) .....	159.80	36.76
Note: Excludes GB II cable.		
26 09 23 00-0206 EA High Bay, Passive Infrared, Surface Mounted, Wired Occupancy Sensor (Encelium WSPSM24V) .....	159.80	36.76
Note: Excludes GB II cable.		
26 09 23 00-0207 EA 360 Degree Lens, Wired Occupancy Sensor (Encelium WSPLNS360) .....	86.05	36.76
Note: Excludes GB II cable.		
26 09 23 00-0208 EA Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium PW-100-24) .....	194.46	36.76
Note: Excludes GB II cable.		
26 09 23 00-0209 EA Hallway, Wired Occupancy Sensor (Encelium HW-13) .....	273.38	36.76
Note: Excludes GB II cable.		
26 09 23 00-0210 EA 500 SF, 180 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-0500) .....	240.00	36.76
Note: Excludes GB II cable.		
26 09 23 00-0211 EA 1,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-1000) .....	255.49	36.76
Note: Excludes GB II cable.		
26 09 23 00-0212 EA 2,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-2000) .....	263.24	36.76
Note: Excludes GB II cable.		
26 09 23 00-0213 EA 1,200 SF, (Multi) Passive Infrared And Ultrasonic, Wall Mounted, Wired Occupancy Sensor (Encelium SWM- 1200) .....	238.06	36.76
Note: Excludes GB II cable.		
26 09 23 00-0214 EA Passive Infrared And Ultrasonic, Wall Switch Mounted, Wired Occupancy Sensor, 120-277VAC, No Neutral (Encelium SSM-LNV) .....	199.35	36.76
Note: Excludes GB II cable.		
26 09 23 00-0215 EA 500 SF, 180 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC05-M0W) .....	248.33	36.76
Note: Excludes GB II cable.		
26 09 23 00-0216 EA 1,200 SF, 360 Degree, Dual Technology, Wall Mounted, Wired Occupancy Sensor (Encelium OSW12-M0W) .....	246.30	36.76
Note: Excludes GB II cable.		
26 09 23 00-0217 EA 2,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC20-M0W) .....	272.72	36.76
Note: Excludes GB II cable.		
26 09 23 00-0218 EA 1,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC10-M0W) .....	264.60	36.76
Note: Excludes GB II cable.		
26 09 23 00-0219 EA Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium DW-100-24) .....	284.44	36.76
Note: Excludes GB II cable.		
26 09 23 00-0220 EA Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium WSD-PDT-LV) .....	264.68	36.76
Note: Excludes GB II cable.		
26 09 23 00-0221 EA Wide View, Dual Technology, Wired Occupancy Sensor (Encelium WV-PDT) .....	264.68	36.76
Note: Excludes GB II cable.		
26 09 23 00-0222 EA 10A, 120V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRU1C) .....	175.46	36.76
26 09 23 00-0223 EA 10A, 277V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRH1C) .....	187.63	36.76
26 09 23 00-0224 EA 20A, 120V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR01P) .....	325.47	36.76
26 09 23 00-0225 EA 20A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR02P) .....	347.81	36.76
26 09 23 00-0226 EA 10A, 120V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2401D) .....	257.67	36.76
26 09 23 00-0227 EA 10A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2402D) .....	268.47	36.76
26 09 23 00-0228 EA 24 Circuit, Relay Module (Encelium EN-RPM-24C-GB2) .....	766.55	73.51
Note: Excludes GB II cable and enclosure.		
26 09 23 00-0229 EA 24 Circuit, 120/277V, Relay Panel With Relay Module (Encelium EN-RP-24C-GB2-120/277V) .....	2,402.41	294.06
Note: Excludes GB II cable.		
26 09 23 00-0230 EA 12 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA12R120-347V) .....	3,491.00	294.06
Note: Excludes GB II cable.		
26 09 23 00-0231 EA 24 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA24R120-347V) .....	4,579.56	294.06
Note: Excludes GB II cable.		
26 09 23 00-0232 EA Wired Phase Cut Dimming Module (Encelium EN-PCDM-GB2) .....	383.27	36.76
Note: Excludes GB II cable.		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0233	EA			Wired DALI Bridge (Encelium EN-DB-1L-GB2) ..... Note: Excludes GB II cable.	438.59	36.76
26 09 23 00-0234	EA			Wireless Manager (Encelium EN-WM-ZB-P3D) ..... Note: Includes white finish.	1,179.79	36.76
26 09 23 00-0235	EA			Wireless Control Module (Encelium EN-WCM-ZB).....	162.14	18.38
26 09 23 00-0236	EA			Damp Rated, Wireless Control Module (Encelium EN-WCM-ZB-DR) .....	191.64	18.38
26 09 23 00-0237	EA			Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK).....	192.38	18.38
26 09 23 00-0238	EA			Damp Rated, Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK-DR) .....	199.33	18.38
26 09 23 00-0239	EA			2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH)..... Note: Includes white finish.	143.76	9.19
26 09 23 00-0240	EA			3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH) ..... Note: Includes white finish.	143.76	9.19
26 09 23 00-0241	EA			3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) ..... Note: Includes white finish.	143.76	9.19
26 09 23 00-0242	EA			5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) ..... Note: Includes white finish.	143.76	9.19
26 09 23 00-0243	EA			6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) ..... Note: Includes white finish.	143.76	9.19
26 09 23 00-0244	EA			Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW) .....	148.55	9.19
26 09 23 00-0245	EA			315 MHz, Wireless Photocell (Encelium TAP-17C) .....	316.89	36.76
26 09 23 00-0246	EA			450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB) .....	198.89	36.76
26 09 23 00-0247	EA			1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB) .....	198.89	36.76
26 09 23 00-0248	EA			1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR).....	228.39	36.76
26 09 23 00-0249	EA			450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR).....	228.39	36.76
26 09 23 00-0250	EA			2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH)..... Note: Includes white finish.	143.76	9.19
26 09 23 00-0251	EA			3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH) ..... Note: Includes white finish.	143.76	9.19
26 09 23 00-0252	EA			3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) ..... Note: Includes white finish.	143.76	9.19
26 09 23 00-0253	EA			5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) ..... Note: Includes white finish.	143.76	9.19
26 09 23 00-0254	EA			6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) ..... Note: Includes white finish.	143.76	9.19
26 09 23 00-0255	EA			Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW) .....	148.55	9.19
26 09 23 00-0256	EA			315 MHz, Wireless Photocell (Encelium TAP-17C) .....	316.89	36.76
26 09 23 00-0257	EA			3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) .....	143.76	9.19
26 09 23 00-0258	EA			5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) .....	143.76	9.19
26 09 23 00-0259	EA			6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) .....	143.76	9.19
26 09 23 00-0260	EA			Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW) .....	148.55	9.19
26 09 23 00-0261	EA			315 MHz, Wireless Photocell (Encelium TAP-17C) .....	316.89	36.76
26 09 23 00-0262	EA			450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB) .....	198.89	36.76
26 09 23 00-0263	EA			1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB) .....	198.89	36.76
26 09 23 00-0264	EA			1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR).....	228.39	36.76
26 09 23 00-0265	EA			450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR).....	228.39	36.76
26 09 23 00-0266	EA			2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH)..... Note: Includes white finish.	143.76	9.19
26 09 23 00-0267	EA			3 Scene Control, Wireless, Wall Station (Encelium EN-WS-SC3-ZB-WH) ..... Note: Includes white finish.	143.76	9.19
26 09 23 00-0268	EA			3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) ..... Note: Includes white finish.	143.76	9.19
26 09 23 00-0269	EA			5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) ..... Note: Includes white finish.	143.76	9.19
26 09 23 00-0270	EA			6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) ..... Note: Includes white finish.	143.76	9.19
26 09 23 00-0271	EA			Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW) .....	148.55	9.19
26 09 23 00-0272	EA			315 MHz, Wireless Photocell (Encelium TAP-17C) .....	316.89	36.76
26 09 23 00-0273	EA			Ceiling Mounted, Wireless Mounting Kit (Encelium EN-SCPPH-MK-ZB) .....	90.47	36.76
26 09 23 00-0274	EA			Emergency Lighting Control Unit (WattStopper ELCU-200) .....	179.93	33.09
26 09 23 00-0275	EA			Wireless Ethernet Transceiver Unit (cns-enocean Connectivity Kit).....	414.00	36.76
26 09 23 00-0276	<b>Lighting Control Sensors</b> <small>(26 09 23)</small>					
26 09 23 00-0277	EA			DALIMulti Sensor, 600 SF (Fithlight FLT-MTS6-DALI) .....	220.45	16.54
26 09 23 00-0278	EA			DALIMulti Sensor, 1,200 SF (Fithlight FLT-MTS12-DALI) .....	220.45	16.54
26 09 23 00-0279	EA			Smart Multi-sensor (LG 9SD131VVDA.ALWB000).....	193.25	16.54
26 09 23 00-0280	EA			Zigbee Dongle (LG 9CM2315VD2.AWP01U) .....	58.41	11.03
26 09 23 00-0281	EA			Clip for Performance Troffer (LG BKTTR015122.BUAAWAA).....	4.82	
26 09 23 00-0282	EA			Clip for Downlight (BKTCE015123.BUAAWAA).....	37.94	
26 09 23 00-0283	EA			Clip for Tube (LG BKTTU015121.BUAAWAA).....	6.79	
26 09 23 00-0284	<b>Radio Controlled Devices (Lutron)</b> <small>(26 09 23)</small>					
26 09 23 00-0285	<b>Tabletop Transmitters For Radio Controlled Devices</b> <small>(26 09 23 00-0284)</small>					
26 09 23 00-0286	<b>Switched Lighting Controls, Tabletop Wireless Transmitter</b> <small>(26 09 23 00-0285)</small>					
26 09 23 00-0287	EA			One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-SW-B-WH).....	289.33	11.03
26 09 23 00-0288	EA			Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2SW-B-WH).....	376.03	11.03
26 09 23 00-0289	EA			Three Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3SW-B-WH) .....	473.58	11.03

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 09 23 00-0290</b> <b>Dimmable Lighting Controls, Tabletop Wireless Transmitter</b> <small>(26 09 23 00-0285)</small>		
26 09 23 00-0291 EA One Zone Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-B-WH) .....	289.33	11.03
26 09 23 00-0292 EA Two Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-B-WH).....	343.52	11.03
26 09 23 00-0293 EA Three Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-B-WH) .....	473.58	11.03
26 09 23 00-0294 EA One Zone Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-WH).....	289.33	11.03
26 09 23 00-0295 EA Two Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-WH).....	376.03	11.03
26 09 23 00-0296 EA Three Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-WH).....	473.58	11.03
<b>26 09 23 00-0297</b> <b>Dimmable And Switched Lighting Controls, Tabletop Wireless Transmitter</b> <small>(26 09 23 00-0285)</small>		
26 09 23 00-0298 EA One Zone Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LSW-B-WH) .....	376.03	11.03
26 09 23 00-0299 EA Two Zones Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LSW-B-WH).....	473.58	11.03
26 09 23 00-0300 EA One Zone Of Dimmable Lighting Controls And Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2SW-B-WH).....	473.58	11.03
<b>26 09 23 00-0301</b> <b>Dimmable Lighting Controls And Shade Or Projection Controls, Tabletop Wireless Transmitter</b> <small>(26 09 23 00-0285)</small>		
26 09 23 00-0302 EA One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-C3-B- WH) .....	289.33	11.03
26 09 23 00-0303 EA Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2C3- B-WH).....	376.03	11.03
26 09 23 00-0304 EA One Zone Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC2-B-WH) .....	343.52	11.03
26 09 23 00-0305 EA Two Zones Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC2-B-WH).....	419.39	11.03
26 09 23 00-0306 EA One Zone Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC3-B-WH).....	376.03	11.03
26 09 23 00-0307 EA Two Zones Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC3-B-WH).....	451.90	11.03
26 09 23 00-0308 EA One Zone Of Dimmable Lighting Controls And Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2C3-B-WH).....	376.03	11.03
<b>26 09 23 00-0309</b> <b>Dimmable Lighting Controls And Sivoia QED Shade Controls, Tabletop Wireless Transmitter</b> <small>(26 09 23 00-0285)</small>		
26 09 23 00-0310 EA One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-Q-B-WH).....	289.33	11.03
26 09 23 00-0311 EA Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2Q-B-WH).....	376.03	11.03
26 09 23 00-0312 EA One Zone Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQ-B-WH).....	376.03	11.03
26 09 23 00-0313 EA Two Zones Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LQ-B-WH).....	473.58	11.03
26 09 23 00-0314 EA One Zone Of Dimmable Lighting Controls And Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2Q-B-WH).....	376.03	11.03
26 09 23 00-0315 EA One Zone Of Dimmable Lighting Controls, One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, One Zone Of Output Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQC2-B-WH) .....	473.58	11.03
<b>26 09 23 00-0316</b> <b>Output Switch Closure Controls, Tabletop Wireless Transmitter</b> <small>(26 09 23 00-0285)</small>		
26 09 23 00-0317 EA Five Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX- C5-WH).....	289.33	11.03
26 09 23 00-0318 EA Nine Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX- C5C4-WH) .....	376.03	11.03
26 09 23 00-0319 EA Thirteen Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA- TX-C52C4-WH) .....	473.58	11.03
<b>26 09 23 00-0320</b> <b>Accessories For Tabletop Wireless Transmitter</b> <small>(26 09 23 00-0285)</small>		
26 09 23 00-0321 EA Security Mounting Brackets For Tabletop Wireless Transmitters (Lutron RTA-SEC-WH) .....	61.73	11.03
<b>26 09 23 00-0322</b> <b>Wall Box Transmitters For Radio Controlled Devices</b> <small>(26 09 23 00-0284)</small>		
26 09 23 00-0323 EA On/Off Switched Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2BSW-WH) .....	267.65	11.03
26 09 23 00-0324 EA Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2B-WH).....	289.33	11.03
26 09 23 00-0325 EA Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B- WH) .....	289.33	11.03
26 09 23 00-0326 EA Open/Stop/Close Motorized Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C3LB-WH).....	289.33	11.03
26 09 23 00-0327 EA Up/Down Projection Screen Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C2LB-WH).....	289.33	11.03
26 09 23 00-0328 EA Open/Stop/Close Sivoia QED Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-Q3LB-WH).....	289.33	11.03
<b>26 09 23 00-0329</b> <b>Interfaces For Radio Controlled Devices</b> <small>(26 09 23 00-0284)</small>		
26 09 23 00-0330 EA Incandescent And Magnetic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-INC-2000) .....	267.65	11.03



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0331 EA Lutron Tu-Wire Ballast Interface For Radio Controlled Devices (Lutron FDI-INC-2000).....	267.65	11.03
26 09 23 00-0332 EA Electronic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-ELV-1000).....	267.65	11.03
26 09 23 00-0333 EA Sivoia QED Controllable Window Treatments Contact Closure Interface For Radio Controlled Devices (Lutron SVQ-CCI-8) .....	542.94	11.03
26 09 23 00-0334 EA RS-232 Interface For Radio Controlled Devices (Lutron RTA-RS232) .....	777.04	11.03
26 09 23 00-0335 EA Switch Closure Input Interface For Radio Controlled (Lutron RTA-SCI) .....	777.04	11.03
<b>26 09 23 00-0336 Fluorescent Controllers For Radio Controlled Devices</b> <small>(26 09 23 00-0284)</small>		
26 09 23 00-0337 EA On/Off Switched Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-SW) .....	343.52	11.03
26 09 23 00-0338 EA Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F).....	386.87	11.03
26 09 23 00-0339 EA Switch Closures And Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F-SC).....	451.90	11.03
<b>26 09 23 00-0340 AC Motor Group Controllers For Radio Controlled Devices</b> <small>(26 09 23 00-0284)</small>		
26 09 23 00-0341 EA Up To Two Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-2M-GC) .....	506.09	11.03
26 09 23 00-0342 EA Up To Four Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-4M-GC).....	695.76	11.03
<b>26 09 23 00-0343 Wireless Enabled Communication Devices For Streetlights</b> <small>(26 09 23)</small>		
Note: Includes testing of new devices and certification.		
<b>26 09 23 00-0344 Wireless Enabled Communication Devices For Streetlights (Roam®)</b> <small>(26 09 23 00-0343)</small>		
<b>26 09 23 00-0345 Wireless Enabled Communication Nodes For Streetlights (Roam®)</b> <small>(26 09 23 00-0344)</small>		
Note: 2.4GHz wireless enabled communication node for wireless remote on/off, group scheduling, photocontrol and diagnostics.		
26 09 23 00-0346 EA 120/244/277 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN127 NM1).....	195.08	
26 09 23 00-0347 EA 480 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN480 NM1).....	272.62	
<b>26 09 23 00-0348 Wireless Enabled Communication Devices For Streetlights (Roam®)</b> <small>(26 09 23 00-0344)</small>		
26 09 23 00-0349 EA Retrofit Receptacle Kit (Roam® DUR103).....	34.20	
Note: For adapting light fixtures for use with a NEMA locking type photocontrol.		
26 09 23 00-0350 EA Wireless Enabled Backbone And Data Backhaul Device, Gateway (Roam® REG127) .....	7,836.05	41.22
<b>26 09 23 00-0351 Occupancy Sensors (Watt Stopper)</b> <small>(26 09 23)</small>		
Note: Includes testing of new devices and certification.		
<b>26 09 23 00-0352 Occupancy Sensors</b> <small>(26 09 23 00-0351)</small>		
Note: Exclude boxes.		
<b>26 09 23 00-0353 Wall Switch Mounted Occupancy Sensors</b> <small>(26 09 23 00-0352)</small>		
<b>26 09 23 00-0354 Ultrasonic, Wall Switch Mounted Occupancy Sensors</b> <small>(26 09 23 00-0353)</small>		
26 09 23 00-0355 EA Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-100).....	95.26	7.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>4.41</i>
26 09 23 00-0356 EA Dual Relay, Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-200) .....	113.10	7.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>4.41</i>
<b>26 09 23 00-0357 Passive Infrared, Wall Switch Mounted Occupancy Sensors</b> <small>(26 09 23 00-0353)</small>		
26 09 23 00-0358 EA Nightlight, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WN-100).....	78.01	7.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>4.41</i>
26 09 23 00-0359 EA Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WS) .....	72.60	7.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>4.41</i>
26 09 23 00-0360 EA Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100) .....	82.70	7.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>4.41</i>
26 09 23 00-0361 EA Dual Relay, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-200).....	96.34	7.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>4.41</i>
26 09 23 00-0362 EA Dimmable, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WD).....	95.21	7.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>4.41</i>
<b>26 09 23 00-0363 Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensors</b> <small>(26 09 23 00-0353)</small>		
26 09 23 00-0364 EA Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-100).....	140.26	7.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>4.41</i>
26 09 23 00-0365 EA Dual Relay, Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-200) .....	151.55	7.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		<i>4.41</i>
<b>26 09 23 00-0366 Wall Switch Mounted Occupancy Sensor Accessories</b> <small>(26 09 23 00-0353)</small>		
26 09 23 00-0367 EA Single Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP).....	4.76	1.84
26 09 23 00-0368 EA One Side Blank, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP) .....	5.66	1.84
26 09 23 00-0369 EA Switch Option, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP) .....	5.66	1.84
<b>26 09 23 00-0370 Ceiling Mounted Occupancy Sensors</b> <small>(26 09 23 00-0352)</small>		
<b>26 09 23 00-0371 Ultrasonic, Ceiling Mounted Occupancy Sensors</b> <small>(26 09 23 00-0370)</small>		

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 09 23 00-0372</b> <b>25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors</b> <small>(26 09 23 00-0371)</small>		
26 09 23 00-0373 EA 500 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-500A) .....	122.39	16.54
26 09 23 00-0374 EA 1,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-1000A) .....	141.79	16.54
26 09 23 00-0375 EA 2,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000A) .....	161.34	16.54
26 09 23 00-0376 EA 90 LF Hallway Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000H) .....	159.58	16.54
<b>26 09 23 00-0377</b> <b>32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors</b> <small>(26 09 23 00-0371)</small>		
26 09 23 00-0378 EA 600 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-605) .....	133.87	16.54
26 09 23 00-0379 EA 1,100 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1105) .....	153.56	16.54
26 09 23 00-0380 EA 2,205 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2205) .....	172.19	16.54
26 09 23 00-0381 EA 90 LF Hallway Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2255) .....	175.35	16.54
26 09 23 00-0382 EA 600 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-600) .....	145.64	16.54
26 09 23 00-0383 EA 1,100 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1100) .....	165.81	16.54
26 09 23 00-0384 EA 2,200 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2200) .....	185.90	16.54
26 09 23 00-0385 EA 90 LF Hallway Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2250) .....	191.69	16.54
<b>26 09 23 00-0386</b> <b>40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors</b> <small>(26 09 23 00-0371)</small>		
26 09 23 00-0387 EA 500 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-1) .....	139.56	16.54
26 09 23 00-0388 EA 1,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-2) .....	163.07	16.54
26 09 23 00-0389 EA 2,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-3) .....	182.76	16.54
26 09 23 00-0390 EA 500 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-1) .....	130.90	16.54
26 09 23 00-0391 EA 1,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-2) .....	160.53	16.54
26 09 23 00-0392 EA 2,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-3) .....	170.13	16.54
26 09 23 00-0393 EA 500 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-1) .....	140.78	16.54
26 09 23 00-0394 EA 1,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-2) .....	157.84	16.54
26 09 23 00-0395 EA 2,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-3) .....	178.91	16.54
<b>26 09 23 00-0396</b> <b>Passive Infrared, Ceiling Mounted Occupancy Sensors</b> <small>(26 09 23 00-0370)</small>		
26 09 23 00-0397 EA 30 Segment, 5 Level Lens, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper WPIR) .....	99.74	16.54
26 09 23 00-0398 EA HVAC/BAS, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-12/24) .....	102.03	16.54
26 09 23 00-0399 EA Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-205) .....	107.46	16.54
26 09 23 00-0400 EA Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-355) .....	122.02	16.54
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 9.93</i>		
26 09 23 00-0401 EA Low Profile, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-305) .....	123.79	16.54
26 09 23 00-0402 EA Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-200) .....	131.41	16.54
26 09 23 00-0403 EA Low Profile, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-300) .....	143.60	16.54
<b>26 09 23 00-0404</b> <b>Passive Infrared And Ultrasonic, Ceiling Mounted Occupancy Sensors</b> <small>(26 09 23 00-0370)</small>		
26 09 23 00-0405 EA 1,000 SF 360 Degree Coverage, Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-355) .....	172.03	16.54
26 09 23 00-0406 EA 1,000 SF 360 Degree Coverage, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-300) .....	197.83	16.54
26 09 23 00-0407 EA 1,000 SF 360 Degree Coverage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-305) .....	166.55	16.54
<b>26 09 23 00-0408</b> <b>Ceiling/Wall Mounted Occupancy Sensors</b> <small>(26 09 23 00-0352)</small>		
<b>26 09 23 00-0409</b> <b>Passive Infrared, Ceiling/Wall Mounted Occupancy Sensors</b> <small>(26 09 23 00-0408)</small>		
26 09 23 00-0410 EA 120 LF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100-1/3) .....	213.29	16.54
26 09 23 00-0411 EA 2,000 SF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100) .....	213.29	16.54
<b>26 09 23 00-0412</b> <b>Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensors</b> <small>(26 09 23 00-0408)</small>		
26 09 23 00-0413 EA 2,000 SF Coverage, Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper DT-200) .....	197.83	16.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0414	Occupancy Sensor Power Packs <small>(26 09 23 00-0351)</small>	
26 09 23 00-0415	Single Voltage, Occupancy Sensor Power Packs <small>(26 09 23 00-0414)</small>	
26 09 23 00-0416	EA 220 - 240 Volt AC, 20 Amp, Occupancy Sensor Power Pack (Watt Stopper B230E-P) .....	65.49
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.82
26 09 23 00-0417	EA 347 Volt AC, 15 Amp, Occupancy Sensor Power Pack (Watt Stopper B347D-P) .....	58.93
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.82
26 09 23 00-0418	Auxiliary, Occupancy Sensor Power Packs <small>(26 09 23 00-0414)</small>	
26 09 23 00-0419	EA 120, 277 Or 347 Volt AC, 20 Amp, Auxiliary Occupancy Sensor Power Pack (Watt Stopper S120/277/347E-P) .....	53.53
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.82
26 09 23 00-0420	Universal Voltage, Power Packs For Occupancy Sensors <small>(26 09 23 00-0414)</small>	
26 09 23 00-0421	EA 120/277 Volt AC, 20 Amp, Dual Voltage, Occupancy Sensor Power Pack (Watt Stopper BZ-100) .....	73.29
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.82
26 09 23 00-0422	Form C, Occupancy Sensor Power Packs <small>(26 09 23 00-0414)</small>	
26 09 23 00-0423	EA 120 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A120C-P) .....	65.79
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.82
26 09 23 00-0424	EA 277 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A277C-P) .....	65.84
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.82
26 09 23 00-0425	Two Relay, Occupancy Sensor Power Packs <small>(26 09 23 00-0414)</small>	
26 09 23 00-0426	EA 120 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C120E-P) .....	84.78
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.82
26 09 23 00-0427	EA 277 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C277E-P) .....	86.08
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.82
26 09 23 00-0428	Occupancy Sensor Power Supplies <small>(26 09 23 00-0414)</small>	
26 09 23 00-0429	EA 120 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-120) .....	190.15
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.82
26 09 23 00-0430	EA 277 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-277) .....	180.81
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.82
26 09 23 00-0431	Intelligent, Occupancy Sensor Power Packs <small>(26 09 23 00-0414)</small>	
26 09 23 00-0432	EA 120/277 Volt AC, Two Relays, Two Dimming Channels, Intelligent Occupancy Sensor Power Pack (Watt Stopper LC-100) .....	241.72
26 09 23 00-0433	DIN Rail Mounted, Occupancy Sensor Power Packs <small>(26 09 23 00-0414)</small>	
26 09 23 00-0434	EA 120/230/277 Volt AC, DIN Rail Mounted, Occupancy Sensor Power Pack (Watt Stopper BD-100) .....	72.55
26 09 23 00-0435	Occupancy Sensor Accessories <small>(26 09 23 00-0351)</small>	
26 09 23 00-0436	Protective Cages For Occupancy Sensors <small>(26 09 23 00-0435)</small>	
26 09 23 00-0437	EA Protective Cage For Occupancy Sensors (Watt Stopper WC) .....	43.21
26 09 23 00-0438	Mounting Brackets For Occupancy Sensors <small>(26 09 23 00-0435)</small>	
26 09 23 00-0439	EA Mounting Bracket For Occupancy Sensor (Watt Stopper MB) .....	31.23
	Note: Includes J-plate for mounting to HID fixtures or L-plate for mounting to fluorescent fixtures, walls, shelves and girders.	
26 09 23 00-0440	Occupancy/Lighting Logger <small>(26 09 23 00-0435)</small>	
	Note: Logs when a space is occupied/vacant and when lighting is on/off.	
26 09 23 00-0441	EA Occupancy/Lighting Logger With Connector Cable (Watt Stopper IT-200) .....	325.81
26 09 23 00-0442	Remove And Reinstall Occupancy Sensors <small>(26 09 23 00-0435)</small>	
26 09 23 00-0443	EA Removal And Reinstallation Of Surface Mounted Occupancy Sensor .....	49.62
	Note: Includes storing and cleaning.	
26 09 23 00-0444	EA Removal And Reinstallation Of Wall Switch Mounted Occupancy Sensor .....	22.06
	Note: Includes storing and cleaning.	
26 09 23 00-0445	Digital Time Light Switches <small>(26 09 23 00-0351)</small>	
26 09 23 00-0446	EA Preset Time, Wall Switch Mounted, Digital Time Light Switch (Watt Stopper TS-400) .....	70.05
26 09 23 00-0447	Occupancy Sensors (Sensor Switch) <small>(26 09 23)</small>	
	Note: Includes testing of new devices and certification.	



**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0448			<b>Occupancy Sensors (Sensor Switch)</b> <small>(26 09 23 00-0447)</small> Note: Exclude boxes		
26 09 23 00-0449			<b>Wall Switch Mount Occupancy Sensors (Sensor Switch)</b> <small>(26 09 23 00-0448)</small>		
26 09 23 00-0450			<b>Passive Infrared, Wall Switch Mount Occupancy Sensors (Sensor Switch)</b> <small>(26 09 23 00-0449)</small>		
26 09 23 00-0451	EA		Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD LV).....	123.08	7.35
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Low Voltage Relay Option, Add</i>	9.85	
26 09 23 00-0452	EA		Nightlight, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD NL).....	86.95	7.35
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.41	
26 09 23 00-0453	EA		Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD).....	82.98	7.35
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.41	
26 09 23 00-0454	EA		Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD SA).....	82.98	7.35
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.41	
26 09 23 00-0455	EA		2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD 2P).....	105.02	7.35
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.41	
26 09 23 00-0456	EA		Single Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS).....	105.02	7.35
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
26 09 23 00-0457	EA		2-Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS 2P).....	127.60	7.35
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
26 09 23 00-0458	EA		Single Pole, Passive Infrared, Internally Powered, Wall Switch Mount Occupancy Sensor (Sensor Switch IPD).....	105.02	7.35
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
26 09 23 00-0459			<b>Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch)</b> <small>(26 09 23 00-0449)</small> Note: Includes passive infrared and microphonics detection		
26 09 23 00-0460	EA		Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT LV).....	159.21	7.35
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Low Voltage Relay Option, Add</i>	9.85	
26 09 23 00-0461	EA		Nightlight, Line Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT NL).....	123.08	7.35
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.41	
26 09 23 00-0462	EA		Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT).....	120.38	7.35
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.41	
26 09 23 00-0463	EA		Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT SA).....	120.38	7.35
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.41	
26 09 23 00-0464	EA		2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT 2P).....	141.14	7.35
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.41	
26 09 23 00-0465	EA		Single Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT).....	141.14	7.35
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
26 09 23 00-0466	EA		2-Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT 2P).....	151.98	7.35
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
26 09 23 00-0467			<b>Wall Switch Mount Occupancy Sensor Accessories (Sensor Switch)</b> <small>(26 09 23 00-0449)</small>		
26 09 23 00-0468	EA		One Blank, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX).....	10.91	1.84
26 09 23 00-0469	EA		One Switch, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX).....	10.91	1.84
26 09 23 00-0470	EA		Two Blanks, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX 3).....	21.74	1.84
26 09 23 00-0471	EA		Two Switches, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX 3).....	21.74	1.84
26 09 23 00-0472			<b>360 Degree View Occupancy Sensors (Sensor Switch)</b> <small>(26 09 23 00-0448)</small>		
26 09 23 00-0473			<b>Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch)</b> <small>(26 09 23 00-0472)</small> Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0474	EA		Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 9).....	141.47	16.54
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Low Voltage Relay Option, Add</i>	9.85	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
			<i>For Occupancy Controlled Dimming Option, Add</i>	16.42	
			<i>For Photocell Option With Dimming Capability, Add</i>	24.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0475 EA Low Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 9) .....	141.47	16.54
<i>For Low Temp/High Humidity Option, Add</i>	8.21	
<i>For Low Voltage Relay Option, Add</i>	9.85	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
<i>For Occupancy Controlled Dimming Option, Add</i>	16.42	
<i>For Photocell Option With Dimming Capability, Add</i>	24.63	
26 09 23 00-0476 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 9) .....	141.47	16.54
<i>For Low Temp/High Humidity Option, Add</i>	8.21	
<i>For Low Voltage Relay Option, Add</i>	9.85	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
<i>For Occupancy Controlled Dimming Option, Add</i>	16.42	
<i>For Photocell Option With Dimming Capability, Add</i>	24.63	
26 09 23 00-0477 EA Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9) .....	150.50	16.54
<i>For Low Temp/High Humidity Option, Add</i>	8.21	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
<i>For Occupancy Controlled Dimming Option, Add</i>	16.42	
<i>For Photocell Option With Dimming Capability, Add</i>	24.63	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0478 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9) .....	150.50	16.54
<i>For Low Temp/High Humidity Option, Add</i>	8.21	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
<i>For Occupancy Controlled Dimming Option, Add</i>	16.42	
<i>For Photocell Option With Dimming Capability, Add</i>	24.63	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0479 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9) .....	121.60	16.54
<i>For Low Temp/High Humidity Option, Add</i>	8.21	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
<i>For Occupancy Controlled Dimming Option, Add</i>	16.42	
<i>For Photocell Option With Dimming Capability, Add</i>	24.63	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0480 EA 2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9 2P) .....	186.63	16.54
<i>For Low Temp/High Humidity Option, Add</i>	8.21	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	24.63	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0481 EA 2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9 2P) .....	186.63	16.54
<i>For Low Temp/High Humidity Option, Add</i>	8.21	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	24.63	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0482 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9 2P) .....	157.73	16.54
<i>For Low Temp/High Humidity Option, Add</i>	8.21	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	24.63	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0483 EA Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 10) .....	141.47	16.54
<i>For Low Temp/High Humidity Option, Add</i>	8.21	
<i>For Low Voltage Relay Option, Add</i>	9.85	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
<i>For Occupancy Controlled Dimming Option, Add</i>	16.42	
<i>For Photocell Option With Dimming Capability, Add</i>	24.63	
26 09 23 00-0484 EA Low Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 10) .....	141.47	16.54
<i>For Low Temp/High Humidity Option, Add</i>	8.21	
<i>For Low Voltage Relay Option, Add</i>	9.85	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
<i>For Occupancy Controlled Dimming Option, Add</i>	16.42	
<i>For Photocell Option With Dimming Capability, Add</i>	24.63	
26 09 23 00-0485 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 10) .....	141.47	16.54
<i>For Low Temp/High Humidity Option, Add</i>	8.21	
<i>For Low Voltage Relay Option, Add</i>	9.85	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
<i>For Occupancy Controlled Dimming Option, Add</i>	16.42	
<i>For Photocell Option With Dimming Capability, Add</i>	24.63	
26 09 23 00-0486 EA Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10) .....	150.50	16.54
<i>For Low Temp/High Humidity Option, Add</i>	8.21	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
<i>For Occupancy Controlled Dimming Option, Add</i>	16.42	
<i>For Photocell Option With Dimming Capability, Add</i>	24.63	
26 09 23 00-0487 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10) .....	150.50	16.54
<i>For Low Temp/High Humidity Option, Add</i>	8.21	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
<i>For Occupancy Controlled Dimming Option, Add</i>	16.42	
<i>For Photocell Option With Dimming Capability, Add</i>	24.63	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0488	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10).....	121.60	16.54
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	9.85	
			<i>For Occupancy Controlled Dimming Option, Add</i>	16.42	
			<i>For Photozell Option With Dimming Capability, Add</i>	24.63	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0489	EA		2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10 2P).....	186.63	16.54
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	9.85	
			<i>For Photozell Option With Dual Zone On/Off, Add</i>	24.63	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0490	EA		2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10 2P).....	186.63	16.54
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	9.85	
			<i>For Photozell Option With Dual Zone On/Off, Add</i>	24.63	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0491	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10 2P).....	157.73	16.54
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	9.85	
			<i>For Photozell Option With Dual Zone On/Off, Add</i>	24.63	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
<b>26 09 23 00-0492</b>			<b>Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch)<sup>(26 09 23 00-0472)</sup></b>		
			Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0493	EA		Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 9).....	177.60	16.54
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Low Voltage Relay Option, Add</i>	9.85	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	9.85	
			<i>For Occupancy Controlled Dimming Option, Add</i>	16.42	
			<i>For Photozell Option With Dimming Capability, Add</i>	24.63	
26 09 23 00-0494	EA		Low Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 9).....	177.60	16.54
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Low Voltage Relay Option, Add</i>	9.85	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	9.85	
			<i>For Occupancy Controlled Dimming Option, Add</i>	16.42	
			<i>For Photozell Option With Dimming Capability, Add</i>	24.63	
26 09 23 00-0495	EA		Low Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 9).....	177.60	16.54
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Low Voltage Relay Option, Add</i>	9.85	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	9.85	
			<i>For Occupancy Controlled Dimming Option, Add</i>	16.42	
			<i>For Photozell Option With Dimming Capability, Add</i>	24.63	
26 09 23 00-0496	EA		Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9).....	168.57	16.54
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	9.85	
			<i>For Occupancy Controlled Dimming Option, Add</i>	16.42	
			<i>For Photozell Option With Dimming Capability, Add</i>	24.63	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0497	EA		Single Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9).....	168.57	16.54
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	9.85	
			<i>For Occupancy Controlled Dimming Option, Add</i>	16.42	
			<i>For Photozell Option With Dimming Capability, Add</i>	24.63	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0498	EA		Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9).....	139.66	16.54
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	9.85	
			<i>For Occupancy Controlled Dimming Option, Add</i>	16.42	
			<i>For Photozell Option With Dimming Capability, Add</i>	24.63	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0499	EA		2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P).....	204.69	16.54
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	9.85	
			<i>For Photozell Option With Dual Zone On/Off, Add</i>	24.63	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0500	EA		2-Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9 2P).....	204.69	16.54
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	9.85	
			<i>For Photozell Option With Dual Zone On/Off, Add</i>	24.63	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0501	EA		2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9 2P).....	175.79	16.54
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
			<i>For Photocell Option With Dual Zone On/Off, Add</i>	24.63	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0502	EA		Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 10).....	177.60	16.54
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Low Voltage Relay Option, Add</i>	9.85	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
			<i>For Occupancy Controlled Dimming Option, Add</i>	16.42	
			<i>For Photocell Option With Dimming Capability, Add</i>	24.63	
26 09 23 00-0503	EA		Low Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 10).....	177.60	16.54
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Low Voltage Relay Option, Add</i>	9.85	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
			<i>For Occupancy Controlled Dimming Option, Add</i>	16.42	
			<i>For Photocell Option With Dimming Capability, Add</i>	24.63	
26 09 23 00-0504	EA		Low Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 10).....	177.60	16.54
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Low Voltage Relay Option, Add</i>	9.85	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
			<i>For Occupancy Controlled Dimming Option, Add</i>	16.42	
			<i>For Photocell Option With Dimming Capability, Add</i>	24.63	
26 09 23 00-0505	EA		Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10).....	168.57	16.54
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
			<i>For Occupancy Controlled Dimming Option, Add</i>	16.42	
			<i>For Photocell Option With Dimming Capability, Add</i>	24.63	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0506	EA		Single Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10).....	168.57	16.54
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
			<i>For Occupancy Controlled Dimming Option, Add</i>	16.42	
			<i>For Photocell Option With Dimming Capability, Add</i>	24.63	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0507	EA		Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10).....	139.66	16.54
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
			<i>For Occupancy Controlled Dimming Option, Add</i>	16.42	
			<i>For Photocell Option With Dimming Capability, Add</i>	24.63	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0508	EA		2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10 2P).....	204.69	16.54
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
			<i>For Photocell Option With Dual Zone On/Off, Add</i>	24.63	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0509	EA		2-Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10 2P).....	204.69	16.54
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
			<i>For Photocell Option With Dual Zone On/Off, Add</i>	24.63	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0510	EA		2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10 2P).....	175.79	16.54
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
			<i>For Photocell Option With Dual Zone On/Off, Add</i>	24.63	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0511			Wide View And Hallway Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0448)</small>		
26 09 23 00-0512			Passive Infrared, Wide View And Hallway Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0511)</small>		
26 09 23 00-0513	EA		Low Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV 16).....	141.47	16.54
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Low Voltage Relay Option, Add</i>	9.85	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
			<i>For Ceiling Mount, Add</i>	16.42	
26 09 23 00-0514	EA		Low Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HW 13).....	159.53	16.54
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Low Voltage Relay Option, Add</i>	9.85	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
			<i>For Ceiling Mount, Add</i>	16.42	
26 09 23 00-0515	EA		Line Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HWR 13).....	195.66	16.54
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Ceiling Mount, Add</i>	16.42	

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0516	EA		Single Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16).....	186.63	16.54
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
			<i>For Ceiling Mount, Add</i>	16.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0517	EA		2-Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16 2P).....	222.76	16.54
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
			<i>For Ceiling Mount, Add</i>	16.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
<b>26 09 23 00-0518</b>			<b>Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch)</b> <small>(26 09 23 00-0511)</small>		
			Note: Includes passive infrared and microphonics detection		
26 09 23 00-0519	EA		Low Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV PDT 16).....	177.60	16.54
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Low Voltage Relay Option, Add</i>	9.85	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
			<i>For Ceiling Mount, Add</i>	16.42	
26 09 23 00-0520	EA		Single Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16).....	204.69	16.54
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
			<i>For Ceiling Mount, Add</i>	16.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0521	EA		2-Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16 2P).....	240.82	16.54
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	9.85	
			<i>For Ceiling Mount, Add</i>	16.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
<b>26 09 23 00-0522</b>			<b>High Bay Occupancy Sensors (Sensor Switch)</b> <small>(26 09 23 00-0448)</small>		
<b>26 09 23 00-0523</b>			<b>Passive Infrared, High Bay Occupancy Sensors (Sensor Switch)</b> <small>(26 09 23 00-0522)</small>		
26 09 23 00-0524	EA		Low Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CM 6).....	141.47	16.54
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Low Voltage Relay Option, Add</i>	9.85	
			<i>For Photocell Option, Add</i>	16.42	
			<i>For Occupancy Controlled Dimming Option, Add</i>	16.42	
26 09 23 00-0525	EA		Low Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RM 6).....	141.47	16.54
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Low Voltage Relay Option, Add</i>	9.85	
			<i>For Photocell Option, Add</i>	16.42	
			<i>For Occupancy Controlled Dimming Option, Add</i>	16.42	
26 09 23 00-0526	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMB 6).....	141.47	16.54
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Low Voltage Relay Option, Add</i>	9.85	
			<i>For Photocell Option, Add</i>	16.42	
			<i>For Occupancy Controlled Dimming Option, Add</i>	16.42	
26 09 23 00-0527	EA		Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6).....	121.60	16.54
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Start To High, HID Option, Add</i>	9.85	
			<i>For Photocell Option, Add</i>	16.42	
			<i>For Occupancy Controlled Dimming Option, Add</i>	16.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0528	EA		Single Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6).....	121.60	16.54
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Start To High, HID Option, Add</i>	9.85	
			<i>For Photocell Option, Add</i>	16.42	
			<i>For Occupancy Controlled Dimming Option, Add</i>	16.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0529	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6).....	121.60	16.54
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Start To High, HID Option, Add</i>	9.85	
			<i>For Photocell Option, Add</i>	16.42	
			<i>For Occupancy Controlled Dimming Option, Add</i>	16.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0530	EA		2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 2P).....	157.73	16.54
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Photocell Option, Add</i>	16.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0531	EA		2-Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 2P).....	157.73	16.54
			<i>For Low Temp/High Humidity Option, Add</i>	8.21	
			<i>For Photocell Option, Add</i>	16.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0532 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 2P) .....	157.73	16.54
<i>For Low Temp/High Humidity Option, Add</i>	8.21	
<i>For Photocell Option, Add</i>	16.42	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0533 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 208) .....	134.24	16.54
<i>For Low Temp/High Humidity Option, Add</i>	8.21	
<i>For Photocell Option, Add</i>	16.42	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0534 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 208) .....	134.24	16.54
<i>For Low Temp/High Humidity Option, Add</i>	8.21	
<i>For Photocell Option, Add</i>	16.42	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0535 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 208) .....	134.24	16.54
<i>For Low Temp/High Humidity Option, Add</i>	8.21	
<i>For Photocell Option, Add</i>	16.42	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0536 EA 480 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 480) .....	134.24	16.54
<i>For Low Temp/High Humidity Option, Add</i>	8.21	
<i>For Photocell Option, Add</i>	16.42	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0537 EA 480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 480) .....	134.24	16.54
<i>For Low Temp/High Humidity Option, Add</i>	8.21	
<i>For Photocell Option, Add</i>	16.42	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0538 EA 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 480) .....	134.24	16.54
<i>For Low Temp/High Humidity Option, Add</i>	8.21	
<i>For Photocell Option, Add</i>	16.42	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0539 EA Low Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 50) .....	159.53	16.54
<i>For Low Temp/High Humidity Option, Add</i>	8.21	
<i>For Low Voltage Relay Option, Add</i>	9.85	
<i>For Occupancy Controlled Dimming Option, Add</i>	16.42	
26 09 23 00-0540 EA Low Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RM 50) .....	159.53	16.54
<i>For Low Temp/High Humidity Option, Add</i>	8.21	
<i>For Low Voltage Relay Option, Add</i>	9.85	
<i>For Occupancy Controlled Dimming Option, Add</i>	16.42	
26 09 23 00-0541 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMB 50) .....	159.53	16.54
<i>For Low Temp/High Humidity Option, Add</i>	8.21	
<i>For Low Voltage Relay Option, Add</i>	9.85	
<i>For Photocell Option, Add</i>	16.42	
<i>For Occupancy Controlled Dimming Option, Add</i>	16.42	
26 09 23 00-0542 EA Single Pole, Line Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 50) .....	193.85	16.54
<i>For Low Temp/High Humidity Option, Add</i>	8.21	
<i>For Start To High, HID Option, Add</i>	9.85	
<i>For Occupancy Controlled Dimming Option, Add</i>	16.42	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0543 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50) .....	193.85	16.54
<i>For Low Temp/High Humidity Option, Add</i>	8.21	
<i>For Start To High, HID Option, Add</i>	9.85	
<i>For Occupancy Controlled Dimming Option, Add</i>	16.42	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0544 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50) .....	193.85	16.54
<i>For Low Temp/High Humidity Option, Add</i>	8.21	
<i>For Start To High, HID Option, Add</i>	9.85	
<i>For Photocell Option, Add</i>	16.42	
<i>For Occupancy Controlled Dimming Option, Add</i>	16.42	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0545 EA 2-Pole, Line Voltage, Recessed Mount, Passive Infrared, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 2P) .....	170.37	16.54
<i>For Low Temp/High Humidity Option, Add</i>	8.21	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0546 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 2P) .....	170.37	16.54
<i>For Low Temp/High Humidity Option, Add</i>	8.21	
<i>For Photocell Option, Add</i>	16.42	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0547 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 208) .....	143.28	16.54
<i>For Low Temp/High Humidity Option, Add</i>	8.21	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0548 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 208).....	143.28	16.54
For Low Temp/High Humidity Option, Add	8.21	
For PhotoCell Option, Add	16.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.93	
26 09 23 00-0549 EA 480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 480).....	143.28	16.54
For Low Temp/High Humidity Option, Add	8.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.93	
26 09 23 00-0550 EA 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 480).....	143.28	16.54
For Low Temp/High Humidity Option, Add	8.21	
For PhotoCell Option, Add	16.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.93	
26 09 23 00-0551 EA Low Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 10) .....	159.53	16.54
For Low Temp/High Humidity Option, Add	8.21	
For Low Voltage Relay Option, Add	9.85	
For Occupancy Controlled Dimming Option, Add	16.42	
26 09 23 00-0552 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMB 10) .....	159.53	16.54
For Low Temp/High Humidity Option, Add	8.21	
For Low Voltage Relay Option, Add	9.85	
For Occupancy Controlled Dimming Option, Add	16.42	
26 09 23 00-0553 EA Single Pole, Line Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 10) .....	193.85	16.54
For Low Temp/High Humidity Option, Add	8.21	
For Start To High, HID Option, Add	9.85	
For Occupancy Controlled Dimming Option, Add	16.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.93	
26 09 23 00-0554 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10).....	193.85	16.54
For Low Temp/High Humidity Option, Add	8.21	
For Start To High, HID Option, Add	9.85	
For Occupancy Controlled Dimming Option, Add	16.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.93	
26 09 23 00-0555 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 2P) .....	186.63	16.54
For Low Temp/High Humidity Option, Add	8.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.93	
26 09 23 00-0556 EA 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 480).....	168.57	16.54
For Low Temp/High Humidity Option, Add	8.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.93	
26 09 23 00-0557 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 208).....	168.57	16.54
For Low Temp/High Humidity Option, Add	8.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.93	
<b>26 09 23 00-0558 Occupancy Sensor Power Packs (Sensor Switch)</b> (26 09 23 00-0447)		
26 09 23 00-0559 EA Single Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20) .....	79.99	14.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.82	
26 09 23 00-0560 EA 2-Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20 2P) .....	116.11	14.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.82	
26 09 23 00-0561 EA Single Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack Without Relay Circuit Protection (Sensor Switch MP20).....	61.92	14.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.82	
26 09 23 00-0562 EA 2-Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Slave Pack Without Relay Circuit Protection (Sensor Switch MSP20) .....	56.51	14.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.82	
26 09 23 00-0563 EA 20 Amp, 120/277 Volt AC, Occupancy Sensor Slave Pack (Sensor Switch SP20) .....	74.57	14.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.82	
26 09 23 00-0564 EA 120/277 Volt AC, High Intensity Discharge (HID) Power Pack With 20 Minute Start To High Override (Sensor Switch PP20 SH) .....	119.73	14.70
For Low Temp/High Humidity Option, Add	8.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.82	
26 09 23 00-0565 EA 120/277 Volt AC, 2-Pole, Power Pack With Alternating Relays (Sensor Switch PP 2PAR).....	119.73	14.70
For Low Temp/High Humidity Option, Add	8.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.82	
26 09 23 00-0566 EA 120/277 Volt AC, Power Pack With Momentary Contacts For Latching Contactors Or Relays (Sensor Switch PP 2PM) .....	119.73	14.70
For Low Temp/High Humidity Option, Add	8.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.82	
<b>26 09 23 00-0567 Occupancy Sensor Accessories (Sensor Switch)</b> (26 09 23 00-0447)		
<b>26 09 23 00-0568 Remove And Reinstall Occupancy Sensors</b> (26 09 23 00-0567)		
26 09 23 00-0569 EA Removal And Reinstallation Of Wall Switch Mounted Occupancy Sensor.....	22.06	
Note: Includes storing and cleaning.		
26 09 23 00-0570 EA Removal And Reinstallation Of Surface Mounted Occupancy Sensor.....	49.62	
Note: Includes storing and cleaning.		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0571				<b>Daylighting Control (Sensor Switch)</b> <small>(26 09 23 00-0447)</small>		
26 09 23 00-0572	EA			Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CM PC).....	123.41	16.54
				<i>For Low Temp/High Humidity Option, Add</i>	8.21	
				<i>For Dual Zone Option, Add</i>	24.63	
26 09 23 00-0573	EA			Low Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RM PC).....	123.41	16.54
				<i>For Low Temp/High Humidity Option, Add</i>	8.21	
				<i>For Dual Zone Option, Add</i>	24.63	
26 09 23 00-0574	EA			Low Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMB PC).....	123.41	16.54
				<i>For Low Temp/High Humidity Option, Add</i>	8.21	
				<i>For Dual Zone Option, Add</i>	24.63	
26 09 23 00-0575	EA			Line Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CMR PC).....	123.41	16.54
				<i>For Low Temp/High Humidity Option, Add</i>	8.21	
				<i>For 480 Volt AC Option, Add</i>	11.49	
				<i>For Dual Zone Option, Add</i>	24.63	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0576	EA			Line Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RMR PC).....	123.41	16.54
				<i>For Low Temp/High Humidity Option, Add</i>	8.21	
				<i>For 480 Volt AC Option, Add</i>	11.49	
				<i>For Dual Zone Option, Add</i>	24.63	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0577	EA			Line Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMRB PC).....	123.41	16.54
				<i>For Low Temp/High Humidity Option, Add</i>	8.21	
				<i>For 480 Volt AC Option, Add</i>	11.49	
				<i>For Dual Zone Option, Add</i>	24.63	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0578	EA			Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CM ADC).....	123.41	16.54
				<i>For Low Temp/High Humidity Option, Add</i>	8.21	
				<i>For Dual Zone Option, Add</i>	24.63	
26 09 23 00-0579	EA			Low Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RM ADC).....	123.41	16.54
				<i>For Low Temp/High Humidity Option, Add</i>	8.21	
				<i>For Dual Zone Option, Add</i>	24.63	
26 09 23 00-0580	EA			Low Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMB ADC).....	123.41	16.54
				<i>For Low Temp/High Humidity Option, Add</i>	8.21	
				<i>For Dual Zone Option, Add</i>	24.63	
26 09 23 00-0581	EA			Line Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CMR ADC).....	123.41	16.54
				<i>For Low Temp/High Humidity Option, Add</i>	8.21	
				<i>For Dual Zone Option, Add</i>	24.63	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0582	EA			Line Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RMR ADC).....	123.41	16.54
				<i>For Low Temp/High Humidity Option, Add</i>	8.21	
				<i>For Dual Zone Option, Add</i>	24.63	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0583	EA			Line Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMRB ADC).....	123.41	16.54
				<i>For Low Temp/High Humidity Option, Add</i>	8.21	
				<i>For Dual Zone Option, Add</i>	24.63	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0584	EA			Low Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CM PC ADC).....	177.60	16.54
				<i>For Low Temp/High Humidity Option, Add</i>	8.21	
				<i>For Dual Zone Option, Add</i>	24.63	
26 09 23 00-0585	EA			Low Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RM PC ADC).....	177.60	16.54
				<i>For Low Temp/High Humidity Option, Add</i>	8.21	
				<i>For Dual Zone Option, Add</i>	24.63	
26 09 23 00-0586	EA			Low Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMB PC ADC).....	177.60	16.54
				<i>For Low Temp/High Humidity Option, Add</i>	8.21	
				<i>For Dual Zone Option, Add</i>	24.63	
26 09 23 00-0587	EA			Line Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMR PC ADC).....	177.60	16.54
				<i>For Low Temp/High Humidity Option, Add</i>	8.21	
				<i>For Dual Zone Option, Add</i>	24.63	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0588	EA			Line Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RMR PC ADC).....	177.60	16.54
				<i>For Low Temp/High Humidity Option, Add</i>	8.21	
				<i>For Dual Zone Option, Add</i>	24.63	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0589	EA			Line Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMRB PC ADC).....	177.60	16.54
				<i>For Low Temp/High Humidity Option, Add</i>	8.21	
				<i>For Dual Zone Option, Add</i>	24.63	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 09 23 00-0590				<b>Occupancy Sensors (Sensor Switch nLight®)</b> <small>(26 09 23)</small>		
				Note: Includes testing of new devices and certification.		
26 09 23 00-0591				<b>Occupancy Sensors (Sensor Switch nLight®)</b> <small>(26 09 23 00-0590)</small>		
				Note: Excludes boxes.		
26 09 23 00-0592				<b>Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®)</b> <small>(26 09 23 00-0591)</small>		
26 09 23 00-0593				<b>Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®)</b> <small>(26 09 23 00-0592)</small>		
				Note: Includes passive infrared and microphonics detection		



**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0594	EA		Low Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor With Raise/Lower Dim Control (Sensor Switch nLight® nWSX PDT LV DX).....	191.10	7.35
26 09 23 00-0595			<b>360 Degree View Occupancy Sensors (Sensor Switch nLight®)</b> (26 09 23 00-0591)		
26 09 23 00-0596			<b>Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch nLight®)</b> (26 09 23 00-0595)		
			Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0597	EA		Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 9).....	226.93	16.54
26 09 23 00-0598	EA		Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 10).....	226.93	16.54
26 09 23 00-0599	EA		Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor With Auto Dimming Control Photocell (Sensor Switch nLight® nCM 10 ADC).....	226.93	16.54
26 09 23 00-0600			<b>Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch nLight®)</b> (26 09 23 00-0595)		
			Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0601	EA		Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 9).....	265.70	16.54
26 09 23 00-0602	EA		Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10).....	265.70	16.54
26 09 23 00-0603	EA		2-Channel, Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10 2P).....	275.37	16.54
26 09 23 00-0604			<b>Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®)</b> (26 09 23 00-0591)		
26 09 23 00-0605			<b>Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®)</b> (26 09 23 00-0604)		
			Note: Includes passive infrared and microphonics detection		
26 09 23 00-0606	EA		Low Voltage, Dual Technology, Corner/Ceiling Mount, Wide View Occupancy Sensor (Sensor Switch nLight® nWV PDT 16).....	265.70	16.54
26 09 23 00-0607			<b>High Bay Occupancy Sensors (Sensor Switch nLight®)</b> (26 09 23 00-0591)		
26 09 23 00-0608			<b>Passive Infrared, High Bay Occupancy Sensors (Sensor Switch nLight®)</b> (26 09 23 00-0607)		
26 09 23 00-0609	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch nLight® nCMB 6).....	226.93	16.54
26 09 23 00-0610			<b>Occupancy Sensor Power Packs (Sensor Switch nLight®)</b> (26 09 23 00-0590)		
26 09 23 00-0611	EA		150mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-150).....	77.87	14.70
26 09 23 00-0612	EA		250mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-250).....	97.27	14.70
26 09 23 00-0613	EA		30mA/Port At 15 Volt DC Output, 120-277 Volt AC Input, Dimming Power Pack (Sensor Switch nLight® nEPP5 D KO).....	130.21	14.70
26 09 23 00-0614	EA		System Power Pack and Relay, Switching Module (Sensor Switch nLight® nPP 16).....	130.21	14.70
26 09 23 00-0615			<b>Occupancy Sensor Accessories (Sensor Switch nLight®)</b> (26 09 23 00-0590)		
26 09 23 00-0616	EA		RS232 AV Integrator (Sensor Switch nLight® nIO X).....	275.37	16.54
26 09 23 00-0617	EA		8 Port, Aggregation Bridge With Power Supply (Sensor Switch nLight® nBRG 8 KIT).....	372.33	16.54
26 09 23 00-0618			<b>Daylighting Controls (Sensor Switch nLight®)</b> (26 09 23 00-0590)		
26 09 23 00-0619	EA		Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch nLight® nCM ADC).....	188.16	16.54
26 09 23 00-0620			<b>Controls (Sensor Switch nLight®)</b> (26 09 23 00-0590)		
26 09 23 00-0621	EA		On/Off And Raise/Lower Control, Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM DX).....	124.20	16.54
26 09 23 00-0622	EA		1 Scene Controller (2 Buttons), Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM 1SB).....	178.49	16.54
26 09 23 00-0623	EA		On/Off Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM).....	411.08	16.54
26 09 23 00-0624	EA		3-1/2" Screen, High Resolution Touch Screen Controller, WallPod® Station (Sensor Switch nLight® nPOD GFX).....	411.08	16.54
26 09 23 00-0625	EA		3-1/2" Screen, Touch Screen Clock And Network Interface Controller, Gateway (Sensor Switch nLight® nGWY2).....	1,535.35	16.54
26 09 23 00-0626			<b>Occupancy Sensors (Lutron)</b> (26 09 23)		
			Note: Includes testing of new devices and certification.		
26 09 23 00-0627			<b>Wireless Occupancy Sensors</b> (26 09 23 00-0626)		
26 09 23 00-0628	EA		Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Occupancy/Vacancy Sensor (Lutron® LRF2-OCR2B-P-WH).....	92.79	16.54
26 09 23 00-0629	EA		Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Vacancy Sensor (Lutron® LRF2-VCR2B-P-WH).....	96.79	16.54
26 09 23 00-0630	EA		Wireless, Passive Infrared, Hallway Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OHLB-P-WH).....	93.74	16.54



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0631	EA			Wireless, Passive Infrared, Hallway Wall Mount, Vacancy Sensor (Lutron® LRF2-VHLB-P-WH).....	99.05	16.54
26 09 23 00-0632	EA			Wireless, Passive Infrared, 90 Degree Corner Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OKLB-P-WH).....	94.93	16.54
26 09 23 00-0633	EA			Wireless, Passive Infrared, 90 Degree Corner Mount, Vacancy Sensor (Lutron® LRF2-VKLB-P-WH).....	99.05	16.54
26 09 23 00-0634	EA			Wireless, Passive Infrared, 180 Degree Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OWLB-P-WH).....	92.79	16.54
26 09 23 00-0635	EA			Wireless, Passive Infrared, 180 Degree Wall Mount, Vacancy Sensor (Lutron® LRF2-VWLB-P-WH).....	94.93	16.54
26 09 23 00-0636	EA			Wireless, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Lutron® FHB140NP24V).....	93.74	16.54
26 09 23 00-0637	EA			Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-500-WH).....	143.71	16.54
26 09 23 00-0638	EA			Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-500R-WH).....	153.22	16.54
26 09 23 00-0639	EA			Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-1000-WH).....	174.63	16.54
26 09 23 00-0640	EA			Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-1000R-WH).....	184.15	16.54
26 09 23 00-0641	EA			Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CDT-2000-WH).....	188.91	16.54
26 09 23 00-0642	EA			Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-2000R-WH).....	198.42	16.54
26 09 23 00-0643	EA			Wireless, Passive Infrared, Ceiling Mount, 450 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-450-WH).....	113.73	16.54
26 09 23 00-0644	EA			Wireless, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-1500-WH).....	119.91	16.54
26 09 23 00-0645	EA			Wireless, Ultrasonic, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-500-WH).....	140.14	16.54
26 09 23 00-0646	EA			Wireless, Ultrasonic, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-1000-WH).....	155.60	16.54
26 09 23 00-0647	EA			Wireless, Ultrasonic, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CUS-2000-WH).....	167.50	16.54
26 09 23 00-0648	EA			Wireless, Passive Infrared, 1,600 SF Coverage, 110 Degree Wall Mount, Occupancy Sensor (Lutron® LOS-WIR-WH).....	144.90	16.54
26 09 23 00-0649	EA			Wireless, Passive Infrared, RF Daylight Sensor (Lutron® LRF2-DCRB-WH).....	133.32	16.54
26 09 23 00-0650	EA			Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-SIR-HD-WH).....	111.82	16.54
26 09 23 00-0651	EA			Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor, Dual Circuit (Lutron® LOS-S2IR-HD-WH).....	137.17	16.54
26 09 23 00-0652	EA			Wireless, Switch and Ceiling Retrofit Sensor (Lutron® MRF2-1S8A-10C).....	166.17	16.54
26 09 23 00-0653	EA			Wireless, Switch and Hallway Retrofit Sensor (Lutron® MRF2-1S8A-10H).....	176.25	16.54
26 09 23 00-0654	EA			Wireless, Switch and Corner Retrofit Sensor (Lutron® MRF2-1S8A-10K).....	176.25	16.54
26 09 23 00-0655	EA			Wireless, Switch and Wall Retrofit Sensor (Lutron® MRF2-1S8A-10W).....	176.25	16.54
26 09 23 00-0656	EA			Wireless, Switch and Vacancy Retrofit Sensor (Lutron® MRF2-1S8A-10V).....	185.48	16.54
26 09 23 00-0657	EA			Wireless, Two Switchs and Wall Retrofit Sensor (Lutron® MRF2-2S8A-10W).....	300.52	23.89
<b>26 09 23 00-0658 Nodes And Modules</b> <small>(26 09 23 00-0626)</small>						
26 09 23 00-0659	EA			0 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-C).....	149.65	16.54
26 09 23 00-0660	EA			0 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-J).....	149.65	16.54
26 09 23 00-0661	EA			4 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-C).....	188.91	16.54
26 09 23 00-0662	EA			4 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-J).....	188.91	16.54
26 09 23 00-0663	EA			120 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-120-WH).....	241.35	18.38
26 09 23 00-0664	EA			120 Volt, Gang Box Mount, Switching Power Module (Lutron® PHPM-SW-DV-WH).....	241.35	18.38
26 09 23 00-0665	EA			120 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-120-WH).....	292.50	18.38
26 09 23 00-0666	EA			120 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-120-WH).....	299.64	18.38
26 09 23 00-0667	EA			120/277 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-DV-WH).....	369.82	18.38
26 09 23 00-0668	EA			120/277 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-DV-WH).....	392.42	18.38
26 09 23 00-0669	EA			120/277 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-DV-WH).....	415.02	18.38
26 09 23 00-0670	EA			1 Circuit, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-2).....	1,120.48	29.41
26 09 23 00-0671	EA			2 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-4).....	1,101.06	33.09
26 09 23 00-0672	EA			3 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-6).....	1,613.97	36.76
<b>26 09 23 00-0673 Other Accessories</b> <small>(26 09 23 00-0626)</small>						
26 09 23 00-0674	EA			Pico® Wireless Control Wallplate Adapter (Lutron® PJ).....	24.42	
26 09 23 00-0675	EA			Pico® Wireless Control (Lutron® PJ).....	30.57	
26 09 23 00-0676	EA			4-Scene Wireless Remote Control (Lutron® GRX-IT-WH).....	90.61	
26 09 23 00-0677	EA			8-Scene Wireless Remote Control (Lutron® GRX-8IT-WH).....	172.68	
26 09 23 00-0678	EA			4 Button, EcoSystem® Wall Control With Raise/Lower (Lutron® CC-4BRL).....	182.04	16.54
26 09 23 00-0679	EA			seeTouch® QS Wallstation (Lutron® QSWS2).....	230.26	16.54
26 09 23 00-0680	EA			seeTouch® QS Wallstation With Infrared Receiver (Lutron® QSWS2).....	230.26	16.54
26 09 23 00-0681	EA			120/277 Volt, Energi Savr Node™ With Softswitch®, Fixture Controller (Lutron® QSN-4S16-S).....	376.96	18.38
26 09 23 00-0682	EA			120/277 Volt, Energi Savr Node™ For 0-10 V Models, Fixture Controller (Lutron® QSN-4T16-S).....	516.13	18.38
26 09 23 00-0683	EA			Control Interface (Lutron® QSE-CI-NWK-E).....	620.71	16.54
26 09 23 00-0684	EA			1 EcoSystem® Digital Link, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-1ECO-S).....	615.97	16.54
26 09 23 00-0685	EA			2 EcoSystem® Digital Links, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-2ECO-S).....	824.14	16.54
26 09 23 00-0686	MLF			5 Conductor, Non-Plenum, Low Voltage Grafik Eye Cable (Lutron® GRX-CBL-346S).....	1,384.14	513.65
26 09 23 00-0687	MLF			5 Conductor, Plenum Rated, Low Voltage Grafik Eye Cable (Lutron® GRX-PCBL-346S).....	1,859.96	513.65
<b>26 09 23 00-0688 Fixture Mounted Occupancy Sensors (Leviton)</b> <small>(26 09 23)</small>						
Note: Includes testing of new devices and certification.						

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0689 EA 120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-ITW) .....	88.99	16.54
26 09 23 00-0690 EA 480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-14W) .....	78.04	16.54
26 09 23 00-0691 EA 120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-CTW).....	98.03	16.54
26 09 23 00-0692 EA 480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-C4W) .....	78.04	16.54
26 09 23 00-0693 EA 120-347 Volt, Dual Detection Occupancy Wall Sensor Switch (Lithonia WSX-PDT) .....	128.21	7.34
<b>26 09 23 00-0694 Counter Mounted Consoles</b> <small>(26 09 23)</small>		
26 09 23 00-0695 EA 20" x 24" Type 12, Oil Tight Consoles, Counter Mounted (Schaefer's SPCL-20C24).....	390.60	91.72
<b>26 09 23 00-0696 Lighting Console And Stations</b> <small>(26 09 23)</small>		
26 09 23 00-0697 EA 80 Channel, 40 Faders, Lighting Console (ETC ColorSource CS 40).....	2,734.94	91.72
<i>For Lighting Console Dust Cover (ETC ColorSource CS40DC), Add</i>	59.00	
<i>For Lighting Console Case (ETC ColorSourcePart 11866), Add</i>	629.10	
26 09 23 00-0698 EA 10 Preset, Lighting Control Station (Doug Fleener PRE10-A2) .....	1,888.07	55.03
<b>26 09 23 00-0699 Theatre Lighting Console</b> <small>(26 09 23)</small>		
26 09 23 00-0700 EA Theatre Lighting Console (ETC Colorsources 20) .....	1,969.14	110.07
<b>26 09 23 00-0701 Emergency Lighting Controls</b> <small>(26 09 23)</small>		
<b>26 09 23 00-0702 Emergency Lighting Control Units (Watt Stopper ELCU)</b> <small>(26 09 23 00-0701)</small>		
<i>Note: The ELCU monitors a single circuit and can be wired either as a control device, so that emergency lighting follows the control of normal lighting, or as a bypass device to shunt emergency power around a control device when normal power fails. Includes integral push-to-test button and LED indicator for emergency and normal power.</i>		
26 09 23 00-0703 EA DIN Rail Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-100) .....	161.07	18.38
26 09 23 00-0704 EA 1/2" Knockout Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-200) .....	161.07	18.38
<b>26 09 23 00-0705 Emergency Shunt Relays (Lighting Control &amp; Design GR 2001™)</b> <small>(26 09 23 00-0701)</small>		
<i>Note: Normally-closed, electrically-held relay to be wired in parallel with a wall switch. Manually controlled emergency lighting will be automatically shunted on during a power outage. Includes two-gang NEMA 1 junction box, voltage-separating barrier and plaster ring separating normal and emergency power. Excludes wall plate and switch.</i>		
26 09 23 00-0706 EA 1 Emergency Shunt Relay And NEMA 1 Enclosure (Lighting Control & Design GR 2001™) .....	226.57	25.73
26 09 23 00-0707 EA 2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™) .....	308.88	29.41
26 09 23 00-0708 EA 2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™ Dual).....	416.36	33.09
<i>Note: Controls normal and emergency lighting from single-pole wall switch.</i>		
<b>26 09 23 00-0709 Photocells</b> <small>(26 09 23)</small>		
26 09 23 00-0710 EA Plug-In Photocell For Lighting Fixtures .....	56.34	
26 09 23 00-0711 EA Wired Photocell For Lighting Fixtures .....	129.84	
<b>26 09 23 00-0712 Outdoor Lighting Motion Sensors</b> <small>(26 09 23)</small>		
26 09 23 00-0713 EA 70' Range, 180 Degree Detection Zone, 8 Amp Switching Capacity, Polycarbonate Housing, Outdoor Motion Sensor (Lithonia OMS 1000) .....	74.41	18.38
26 09 23 00-0714 EA 70' Range, 200 Degree Detection Zone, 10 Amp Switching Capacity, Cast Aluminum Housing, Outdoor Motion Sensor (Lithonia OMS 2000) .....	81.23	18.38
26 09 23 00-0715 EA 30' Range, 360 Degree Detection Zone, Line Voltage, Plastic Housing, IP66 Rated, Outdoor Motion Sensor With Photocell (SensorSwitch SBOR).....	334.66	18.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.03	
<b>26 09 23 00-0716 Street Light Controls</b> <small>(26 09 23)</small>		
<b>26 09 23 00-0717 Photo Controls</b> <small>(26 09 23 00-0716)</small>		
26 09 23 00-0718 EA Photo Control, 120 Volt As Manufactured By Cooper Lighting #RA1014.....	70.34	
26 09 23 00-0719 EA Photo Control, Multi-Tap As Manufactured By Cooper Lighting #RA1016.....	83.21	
<b>26 09 23 00-0720 Connector Node</b> <small>(26 09 23 00-0716)</small>		
26 09 23 00-0721 EA Outdoor Lighting Connector Node (Philips City Touch LLC7260).....	303.24	1.45

**26 10 Medium-Voltage Electrical Distribution** (26)**26 11 Substations** (26 10)**26 11 13 Primary Unit Substations** (26 11)26 11 13 00-0001 "Switchyard" Substation Primary Incoming Section (26 11 13)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 11 13 00-0002 Outdoor Oil Circuit Breakers "Switchyard"</b> <small>(26 11 13 00-0001)</small>		
Note: Type SP 14.4 thru 69 KV 1200 amp. Frame mounted. Standard equipment		
26 11 13 00-0003 EA 14.4 KV, 500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation.....	44,792.56	1,261.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	769.68	
26 11 13 00-0004 EA 23.0 KV, 750 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation.....	54,935.02	1,594.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	962.10	
26 11 13 00-0005 EA 34.5 KV, 1,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation.....	62,324.73	1,594.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	962.10	
26 11 13 00-0006 EA 46 KV, 2,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation.....	71,723.38	1,594.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,026.24	
26 11 13 00-0007 EA 69 KV, 3,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation.....	81,356.66	1,965.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,184.12	
<b>26 11 13 00-0008 Accessories For Outdoor Oil Circuit Breakers</b> <small>(26 11 13 00-0001)</small>		
26 11 13 00-0009 EA Reclosure Relay, Adjustable, 3 Shot, #179 .....	1,189.34	134.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	79.44	
26 11 13 00-0010 EA Overcurrent Relay, 1 Phase, #51/51N .....	357.96	97.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.98	
26 11 13 00-0011 EA Directional Overcurrent Relay, Three-Phase, Device No. 67 .....	545.44	97.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	66.02	
26 11 13 00-0012 EA Voltage Relay, Under Or Over- Voltage, Device No. 27 Or 59, Three-Phase.....	430.86	97.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.98	
26 11 13 00-0013 EA Differential Relay Package, Complete, Device No. 87 .....	1,611.63	328.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	198.48	
<b>26 11 13 00-0014 "Switchyard", Substation Transformer Section</b> <small>(26 11 13)</small>		
Note: Standard NEMA design two winding three phase, 60 Hz. oil filled load tap changer 10% Range		
<b>26 11 13 00-0015 14.4 KV Nominal Primary</b> <small>(26 11 13 00-0014)</small>		
26 11 13 00-0016 EA 1,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	25,567.02	1,261.16
For 50 Hz Operation, Add	2,760.17	
For Forced Air Cooling, Add	2,760.17	
For External Control Panel, Add	690.04	
For Internally Mounted Current Transformers And Linear Couplers, Add	230.01	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,150.07	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	2,875.18	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	3,450.21	
26 11 13 00-0017 EA 2,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	29,174.63	1,580.15
For 50 Hz Operation, Add	3,116.12	
For Forced Air Cooling, Add	3,116.12	
For External Control Panel, Add	779.03	
For Internally Mounted Current Transformers And Linear Couplers, Add	259.68	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,298.38	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	3,245.96	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	3,895.15	
26 11 13 00-0018 EA 5,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	44,967.96	2,225.58
For 50 Hz Operation, Add	4,848.83	
For Forced Air Cooling, Add	4,848.83	
For External Control Panel, Add	1,212.21	
For Internally Mounted Current Transformers And Linear Couplers, Add	404.07	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,020.35	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	5,050.86	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	6,061.04	
26 11 13 00-0019 EA 7,500 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	65,320.86	2,660.16
For 50 Hz Operation, Add	7,149.99	
For Forced Air Cooling, Add	7,149.99	
For External Control Panel, Add	1,787.50	
For Internally Mounted Current Transformers And Linear Couplers, Add	595.83	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,979.16	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	7,447.91	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	8,937.49	
26 11 13 00-0020 EA 10,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	80,452.62	3,442.55
For 50 Hz Operation, Add	8,793.68	
For Forced Air Cooling, Add	8,793.68	
For External Control Panel, Add	2,198.42	
For Internally Mounted Current Transformers And Linear Couplers, Add	732.81	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,664.03	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	9,160.08	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	10,992.09	
<b>26 11 13 00-0021 23 KV Nominal Primary</b> <small>(26 11 13 00-0014)</small>		
26 11 13 00-0022 EA 1,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	28,509.13	1,706.28
For 50 Hz Operation, Add	3,036.26	
For External Control Panel, Add	759.06	
For Internally Mounted Current Transformers And Linear Couplers, Add	253.02	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,265.11	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	3,162.77	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	3,795.32	
For Forced Air Cooling, Add	2,024.17	

<b>26</b>	<b>Electrical</b>
<b>26 10</b>	<b>Medium-Voltage Electrical Distribution</b>
<b>26 11</b>	<b>Substations</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0023	EA		2,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	32,503.95	1,706.28
			For 50 Hz Operation, Add	3,435.76	
			For External Control Panel, Add	858.94	
			For Internally Mounted Current Transformers And Linear Couplers, Add	286.31	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,431.57	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	3,578.92	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	4,294.70	
			For Forced Air Cooling, Add	2,290.51	
26 11 13 00-0024	EA		5,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	52,386.77	2,522.32
			For 50 Hz Operation, Add	5,670.67	
			For External Control Panel, Add	1,417.67	
			For Internally Mounted Current Transformers And Linear Couplers, Add	472.56	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,362.78	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	5,906.95	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	7,088.34	
			For Forced Air Cooling, Add	3,780.45	
26 11 13 00-0025	EA		7,500 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	70,179.63	3,442.55
			For 50 Hz Operation, Add	7,560.92	
			For External Control Panel, Add	1,890.23	
			For Internally Mounted Current Transformers And Linear Couplers, Add	630.08	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,150.38	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	7,875.96	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	9,451.15	
			For Forced Air Cooling, Add	5,040.61	
26 11 13 00-0026	EA		10,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	87,301.30	3,442.55
			For 50 Hz Operation, Add	9,615.52	
			For External Control Panel, Add	2,403.88	
			For Internally Mounted Current Transformers And Linear Couplers, Add	801.29	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,006.47	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	10,016.16	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	12,019.40	
			For Forced Air Cooling, Add	6,410.34	
<b>26 11 13 00-0027</b>			<b>34.5 KV Nominal Primary</b> <small>(26 11 13 00-0014)</small>		
26 11 13 00-0028	EA		1,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	35,833.16	2,040.11
			For 50 Hz Operation, Add	3,835.27	
			For External Control Panel, Add	958.82	
			For Internally Mounted Current Transformers And Linear Couplers, Add	319.61	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,598.03	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	3,995.07	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	4,794.09	
			For Forced Air Cooling, Add	2,556.85	
26 11 13 00-0029	EA		2,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	43,283.72	3,189.99
			For 50 Hz Operation, Add	4,634.28	
			For External Control Panel, Add	1,158.57	
			For Internally Mounted Current Transformers And Linear Couplers, Add	386.19	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	1,930.95	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	4,827.38	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	5,792.85	
			For Forced Air Cooling, Add	3,089.52	
26 11 13 00-0030	EA		5,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	59,833.72	3,189.99
			For 50 Hz Operation, Add	6,410.37	
			For External Control Panel, Add	1,602.59	
			For Internally Mounted Current Transformers And Linear Couplers, Add	534.20	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,670.99	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	6,677.47	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	8,012.96	
			For Forced Air Cooling, Add	4,273.58	
26 11 13 00-0031	EA		7,500 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	77,028.25	3,364.32
			For 50 Hz Operation, Add	8,382.75	
			For External Control Panel, Add	2,095.69	
			For Internally Mounted Current Transformers And Linear Couplers, Add	698.56	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,492.81	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	8,732.03	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	10,478.44	
			For Forced Air Cooling, Add	5,588.50	
26 11 13 00-0032	EA		10,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	133,825.79	4,303.19
			For 50 Hz Operation, Add	14,957.48	
			For External Control Panel, Add	3,739.37	
			For Internally Mounted Current Transformers And Linear Couplers, Add	1,246.46	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	6,232.28	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	15,580.71	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	18,696.85	
			For Forced Air Cooling, Add	9,971.65	
<b>26 11 13 00-0033</b>			<b>46 KV Nominal Primary</b> <small>(26 11 13 00-0014)</small>		
26 11 13 00-0034	EA		1,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	55,224.39	2,373.95
			For 50 Hz Operation, Add	6,067.16	
			For External Control Panel, Add	1,516.79	
			For Internally Mounted Current Transformers And Linear Couplers, Add	505.60	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,527.98	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	6,319.96	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	7,583.95	
			For Forced Air Cooling, Add	4,044.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0035 EA 2,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	62,451.47	2,373.95
For 50 Hz Operation, Add	6,878.43	
For External Control Panel, Add	1,719.61	
For Internally Mounted Current Transformers And Linear Couplers, Add	573.20	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,866.01	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	7,165.04	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	8,598.04	
For Forced Air Cooling, Add	4,585.62	
26 11 13 00-0036 EA 5,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	86,659.95	3,189.99
For 50 Hz Operation, Add	9,629.52	
For External Control Panel, Add	2,407.38	
For Internally Mounted Current Transformers And Linear Couplers, Add	802.46	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,012.30	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	10,030.75	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	12,036.90	
For Forced Air Cooling, Add	6,419.68	
26 11 13 00-0037 EA 7,500 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	105,605.09	4,303.19
For 50 Hz Operation, Add	11,570.99	
For External Control Panel, Add	2,892.75	
For Internally Mounted Current Transformers And Linear Couplers, Add	964.25	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,821.25	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	12,053.12	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	14,463.74	
For Forced Air Cooling, Add	7,714.00	
26 11 13 00-0038 EA 10,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	150,989.88	4,303.19
For 50 Hz Operation, Add	17,017.17	
For External Control Panel, Add	4,254.29	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,418.10	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	7,090.49	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	17,726.22	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	21,271.46	
For Forced Air Cooling, Add	11,344.78	
<b>26 11 13 00-0039 69 KV Nominal Primary</b> <small>(26 11 13 00-0014)</small>		
26 11 13 00-0040 EA 1,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	79,835.88	2,522.32
For 50 Hz Operation, Add	8,964.56	
For External Control Panel, Add	2,241.14	
For Internally Mounted Current Transformers And Linear Couplers, Add	747.05	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,735.23	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	9,338.09	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	11,205.70	
For Forced Air Cooling, Add	5,976.38	
26 11 13 00-0041 EA 2,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	91,582.24	3,189.99
For 50 Hz Operation, Add	10,220.19	
For External Control Panel, Add	2,555.05	
For Internally Mounted Current Transformers And Linear Couplers, Add	851.68	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,258.41	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	10,646.03	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	12,775.24	
For Forced Air Cooling, Add	6,813.46	
26 11 13 00-0042 EA 5,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	126,377.85	3,189.99
For 50 Hz Operation, Add	14,395.66	
For External Control Panel, Add	3,598.92	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,199.64	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	5,998.19	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	14,995.48	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	17,994.58	
For Forced Air Cooling, Add	9,597.11	
26 11 13 00-0043 EA 7,500 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	133,327.80	4,303.19
For 50 Hz Operation, Add	14,897.72	
For External Control Panel, Add	3,724.43	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,241.48	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	6,207.38	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	15,518.46	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	18,622.15	
For Forced Air Cooling, Add	9,931.81	
26 11 13 00-0044 EA 10,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	175,237.51	4,303.19
For 50 Hz Operation, Add	19,926.88	
For External Control Panel, Add	4,981.72	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,660.57	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	8,302.87	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	20,757.17	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	24,908.61	
For Forced Air Cooling, Add	13,284.59	
<b>26 11 13 00-0045 Circuit Breakers Fluarc SF6 13.8 KV</b> <small>(26 11 13)</small>		
26 11 13 00-0046 EA 1,200 Amp, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section .....	48,240.53	629.74
26 11 13 00-0047 EA 1,200 Amp, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section .....	52,992.41	629.74
26 11 13 00-0048 EA 1,200 Amp, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section .....	60,304.64	782.23
26 11 13 00-0049 EA 2,000 Amp, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section .....	56,298.71	940.60
26 11 13 00-0050 EA 2,000 Amp, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section .....	63,477.44	940.60
26 11 13 00-0051 EA 2,000 Amp, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section .....	72,409.67	1,092.77
26 11 13 00-0052 EA 3,000 Amp, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section .....	74,593.31	1,248.49
26 11 13 00-0053 EA 3,000 Amp, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section .....	83,531.23	1,248.49



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0054 EA 3,000 Amp, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	87,511.14	1,402.06
<b>26 11 16 Secondary Unit Substations (26 11)</b>		
<b>26 11 16 11 Secondary Unit Substations with Switchgear Secondary (26 11 16)</b>		
26 11 16 11-0001 Substation Primary Incoming Section (26 11 16 11)		
26 11 16 11-0002 Manual Transferring Fused Load Break Switches (26 11 16 11-0001) Note: 15 KV 600 Amp 3 pole 2 position floor mounted. Type, metal compartment includes weatherproofing, fuses, transformer throat, pothead terminations thru 500 MCM, with surge protection. Manual transferring of one line to an alternate incoming line.		
26 11 16 11-0003 EA 112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position.....	42,253.71	924.75
26 11 16 11-0004 EA 2,000 And 2,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position.....	49,012.15	924.75
26 11 16 11-0005 Automatic Transferring Fused Load Break Switches (26 11 16 11-0001) Note: Items are equipped with 3 pole - 2 position selector switch for automatic transferring one line to an alternate incoming line.		
26 11 16 11-0006 EA 112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position Selector Switch.....	60,029.45	924.75
26 11 16 11-0007 EA 2,000 And 2,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position Selector Switch.....	64,427.89	924.75
26 11 16 11-0008 Accessories For Substation Fused Load Break Switches (26 11 16 11-0001)		
26 11 16 11-0009 EA Primary Lightning Arrestors Accessories, Secondary Distribution Section .....	6,328.81	
26 11 16 11-0010 EA Key Interlock Accessories, Secondary Distribution Section .....	616.03	
26 11 16 11-0011 Oil Filled Substation Transformers (26 11 16 11) Note: 112-1/2 KVA thru 2500 KVA standard NEMA design 3 phase cover mounted manual tap changer, liquid level gauge with alarm contacts, thermometer with alarm contacts, pressure vacuum gauge, automatic control for auxiliary cooling equipment. Weatherproof.		
26 11 16 11-0012 Substation, Primary 13.8 KV Secondary 480Y/277 V Or 480 V 60 HZ (26 11 16 11-0011)		
26 11 16 11-0013 EA 75 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	11,576.38 732.45 313.91 104.64	556.39
26 11 16 11-0014 EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	16,964.12 1,094.01 468.86 156.29	667.67
26 11 16 11-0015 EA 150 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	19,197.09 1,239.94 531.40 177.13	741.86
26 11 16 11-0016 EA 225 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	22,727.87 1,461.13 626.20 208.73	927.32
26 11 16 11-0017 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	25,368.02 1,614.78 692.05 230.68	1,149.88
26 11 16 11-0018 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	27,170.45 1,704.60 730.54 243.51	1,409.53
26 11 16 11-0019 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	31,814.39 1,988.13 852.06 284.02	741.86
26 11 16 11-0020 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	33,907.09 2,113.85 905.93 301.98	1,854.64
26 11 16 11-0021 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	37,881.52 2,366.09 1,014.04 338.01	2,040.11
26 11 16 11-0022 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	43,788.07 2,748.39 1,177.88 392.63	2,262.67
26 11 16 11-0023 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add For Control Power Transformer On Fans And Auxiliary, Add For Internal Mounted Current Transformer And Linear Coupler, Add	48,078.59 3,020.17 1,294.36 431.45	2,466.68
26 11 16 11-0024 Substation, Primary 13.8 KV Secondary 208Y/120 V 60 HZ (26 11 16 11-0011)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0025 EA 75 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	11,054.37 695.91 298.25 99.42	556.39
26 11 16 11-0026 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	16,572.29 1,082.17 463.79 154.60	556.39
26 11 16 11-0027 EA 150 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	19,185.54 1,239.13 531.05 177.02	741.86
26 11 16 11-0028 EA 225 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	22,747.74 1,462.52 626.79 208.93	927.32
26 11 16 11-0029 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	27,396.45 1,756.77 752.90 250.97	1,149.88
26 11 16 11-0030 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	29,696.21 1,881.40 806.31 268.77	1,409.53
26 11 16 11-0031 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	32,980.69 2,069.77 887.04 295.68	1,706.28
26 11 16 11-0032 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	35,916.14 2,254.48 966.21 322.07	1,854.64
26 11 16 11-0033 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	40,479.53 2,547.95 1,091.98 363.99	2,040.11
<b>26 11 16 11-0034 Accessories For Oil Filled Substation Transformers (26 11 16 11-0011)</b>		
26 11 16 11-0035 EA Sudden Pressure Relay.....	3,171.47	
26 11 16 11-0036 EA Throats Or Flanges (HV Or LV).....	6,296.45	
26 11 16 11-0037 EA Lightning Arrestors (3 - 1 Pole).....	4,145.97	
26 11 16 11-0038 EA Single Feeder Switch With Fuses 3 Pole, 2 Position, Open-Close Close) Fuse Type - CLE (80E To 125 X).....	23,008.06	
26 11 16 11-0039 EA Oil Fuse Cutout, 15 KV, 200 Amp, Free Standing Air Filled Terminal Compartment, 15 KV - 200 Amp Cutout.....	21,526.33	
<b>26 11 16 11-0040 Reinforced Concrete Curb With 6" Slab (26 11 16 11-0011)</b>		
Note: For transformer liquid containment area.		
26 11 16 11-0041 EA 112.5 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	2,717.53	549.76
26 11 16 11-0042 EA 150 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	2,717.53	549.76
26 11 16 11-0043 EA 225 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	2,717.53	549.76
26 11 16 11-0044 EA 300 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	2,717.53	549.76
26 11 16 11-0045 EA 500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	2,717.53	549.76
26 11 16 11-0046 EA 750 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	2,717.53	549.76
26 11 16 11-0047 EA 1,000 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	2,717.53	549.76
26 11 16 11-0048 EA 1,500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,286.01	633.88
<b>26 11 16 11-0049 Dry Type Substation Transformer (26 11 16 11)</b>		
Note: Standard NEMA design 3 phase - 150 C rise - 60 Hz self-cooled, ventilated.		
<b>26 11 16 11-0050 Primary 4.16 Or 4.8 KV Secondary 208 Y/120 Or 240 V (26 11 16 11-0049)</b>		
Note: Primary 4.160 or 4.8 KV (delta or wye).		
26 11 16 11-0051 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	20,074.60 11,332.58 -472.19 4,273.98	593.49
26 11 16 11-0052 EA 150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	20,148.79 11,332.58 -472.19 4,281.39	630.58
26 11 16 11-0053 EA 225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	20,617.38 11,480.20 -478.34 4,357.78	741.86
26 11 16 11-0054 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	22,755.25 12,673.90 -528.08 4,810.30	816.05
26 11 16 11-0055 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	25,275.89 14,008.23 -583.68 5,329.24	964.41



<b>26</b>	<b>Electrical</b>
<b>26 10</b>	<b>Medium-Voltage Electrical Distribution</b>
<b>26 11</b>	<b>Substations</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0056 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	29,282.36	1,112.79
For Gas Filled Transformers, Add	16,234.07	
For Single Phase Transformers, Deduct	-676.42	
For Dry Type Unit, Add	6,175.05	
26 11 16 11-0057 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	34,012.54	1,335.35
For Gas Filled Transformers, Add	18,805.11	
For Single Phase Transformers, Deduct	-783.55	
For Dry Type Unit, Add	7,162.28	
26 11 16 11-0058 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	40,171.23	1,483.72
For Gas Filled Transformers, Add	22,322.28	
For Single Phase Transformers, Deduct	-930.10	
For Dry Type Unit, Add	8,481.58	
26 11 16 11-0059 EA 2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	51,933.08	1,557.90
For Gas Filled Transformers, Add	29,290.36	
For Single Phase Transformers, Deduct	-1,220.43	
For Dry Type Unit, Add	11,051.38	
<b>26 11 16 11-0060 Primary 4.16 Or 4.8 KV Secondary 480 Y/277 Or 480 V</b> <small>(26 11 16 11-0049)</small>		
Note: Primary 4.16 or 4.8 KV (delta or wye).		
26 11 16 11-0061 EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	19,404.34	593.49
For Gas Filled Transformers, Add	10,930.42	
For Single Phase Transformers, Deduct	-455.43	
For Dry Type Unit, Add	4,126.52	
26 11 16 11-0062 EA 150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	20,148.79	630.58
For Gas Filled Transformers, Add	11,332.58	
For Single Phase Transformers, Deduct	-472.19	
For Dry Type Unit, Add	4,281.39	
26 11 16 11-0063 EA 225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	20,617.38	741.86
For Gas Filled Transformers, Add	11,480.20	
For Single Phase Transformers, Deduct	-478.34	
For Dry Type Unit, Add	4,357.78	
26 11 16 11-0064 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	22,755.25	816.05
For Gas Filled Transformers, Add	12,673.90	
For Single Phase Transformers, Deduct	-528.08	
For Dry Type Unit, Add	4,810.30	
26 11 16 11-0065 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	25,275.89	964.41
For Gas Filled Transformers, Add	14,008.23	
For Single Phase Transformers, Deduct	-583.68	
For Dry Type Unit, Add	5,329.24	
26 11 16 11-0066 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	29,282.36	1,112.79
For Gas Filled Transformers, Add	16,234.07	
For Single Phase Transformers, Deduct	-676.42	
For Dry Type Unit, Add	6,175.05	
26 11 16 11-0067 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	34,012.54	1,335.35
For Gas Filled Transformers, Add	18,805.11	
For Single Phase Transformers, Deduct	-783.55	
For Dry Type Unit, Add	7,162.28	
26 11 16 11-0068 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	40,171.23	1,483.72
For Gas Filled Transformers, Add	22,322.28	
For Single Phase Transformers, Deduct	-930.10	
For Dry Type Unit, Add	8,481.58	
26 11 16 11-0069 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	51,933.08	1,557.90
For Gas Filled Transformers, Add	29,290.36	
For Single Phase Transformers, Deduct	-1,220.43	
For Dry Type Unit, Add	11,051.38	
26 11 16 11-0070 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	56,974.80	1,632.09
For Gas Filled Transformers, Add	32,226.37	
For Single Phase Transformers, Deduct	-1,342.77	
For Dry Type Unit, Add	12,142.75	
26 11 16 11-0071 EA 3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	63,548.84	1,706.28
For Gas Filled Transformers, Add	36,081.77	
For Single Phase Transformers, Deduct	-1,503.41	
For Dry Type Unit, Add	13,571.24	
26 11 16 11-0072 EA 3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	73,181.71	1,780.46
For Gas Filled Transformers, Add	41,772.47	
For Single Phase Transformers, Deduct	-1,740.52	
For Dry Type Unit, Add	15,672.67	
<b>26 11 16 11-0073 Primary 13.8 KV (Delta Or Wye) Secondary 208 Y/120 V Or 240 V</b> <small>(26 11 16 11-0049)</small>		
26 11 16 11-0074 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer .....	21,610.01	667.67
For Gas Filled Transformers, Add	12,164.80	
For Single Phase Transformers, Deduct	-506.87	
For Dry Type Unit, Add	4,593.96	
26 11 16 11-0075 EA 150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer .....	22,350.59	704.76
For Gas Filled Transformers, Add	12,564.64	
For Single Phase Transformers, Deduct	-523.53	
For Dry Type Unit, Add	4,747.99	
26 11 16 11-0076 EA 225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer .....	23,938.87	816.05
For Gas Filled Transformers, Add	13,384.07	
For Single Phase Transformers, Deduct	-557.67	
For Dry Type Unit, Add	5,070.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0077 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	25,288.30 14,104.70 -587.70 5,349.77	890.23
26 11 16 11-0078 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	28,847.27 16,062.04 -669.25 6,097.14	1,038.61
26 11 16 11-0079 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	31,985.89 17,767.16 -740.30 6,752.02	1,186.97
26 11 16 11-0080 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	37,361.16 20,725.25 -863.55 7,881.17	1,409.53
26 11 16 11-0081 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	45,203.27 25,252.48 -1,052.19 9,570.82	1,557.90
26 11 16 11-0082 EA 2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	54,518.44 30,752.56 -1,281.36 11,602.36	1,632.09
<b>26 11 16 11-0083 Primary 13.8 KV (Delta Or Wye) Secondary 480 Y/277 V Or 480 V</b> <small>(26 11 16 11-0049)</small>		
26 11 16 11-0084 EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	21,610.01 12,164.80 -506.87 4,593.96	667.67
26 11 16 11-0085 EA 150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	22,350.59 12,564.64 -523.53 4,747.99	704.76
26 11 16 11-0086 EA 225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	23,938.87 13,384.07 -557.67 5,070.70	816.05
26 11 16 11-0087 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	25,288.30 14,104.70 -587.70 5,349.77	890.23
26 11 16 11-0088 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	28,847.27 16,062.04 -669.25 6,097.14	1,038.61
26 11 16 11-0089 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	28,111.50 15,442.53 -643.44 5,899.66	1,186.97
26 11 16 11-0090 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	29,401.67 15,949.56 -664.57 6,130.08	1,409.53
26 11 16 11-0091 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	36,083.97 19,780.90 -824.20 7,564.58	1,557.90
26 11 16 11-0092 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	42,698.62 23,660.66 -985.86 9,001.99	1,632.09
26 11 16 11-0093 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	47,681.00 26,561.07 -1,106.71 10,080.31	1,706.28
26 11 16 11-0094 EA 3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	55,883.08 31,393.30 -1,308.05 11,866.97	1,780.46
26 11 16 11-0095 EA 3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	68,390.03 38,808.44 -1,617.02 14,600.69	1,854.64

**26 12 Medium-Voltage Transformers** (26 10)

**26 12 13 Liquid-Filled, Medium-Voltage Transformers** (26 12)

**26 12 13 00-0001 Removal And Relocation Of Transformers** (26 12 13)

26 12 13 00-0002	EA Removal And Relocation Of Up To 37.5 KVA Oil Filled Transformer .....	778.93
26 12 13 00-0003	EA Removal And Relocation Of >37.5 To 100 KVA Oil Filled Transformers .....	1,433.45



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 12 13 00-0004	<b>Single Phase Oil Filled Distribution Transformers</b> <small>(26 12 13)</small>			
	Note: Self-protected type, CSP, external secondary breaker handle, external tap changer.			
26 12 13 00-0005	<b>Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL. Rated To 5 KVA</b> <small>(26 12 13 00-0004)</small>			
26 12 13 00-0006	EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	1,484.88	311.30
26 12 13 00-0007	EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	1,802.33	389.13
26 12 13 00-0008	EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	2,113.94	466.96
26 12 13 00-0009	EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	2,710.34	583.70
26 12 13 00-0010	EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	3,226.53	700.44
26 12 13 00-0011	EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	4,271.21	817.18
26 12 13 00-0012	EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	5,067.75	972.82
26 12 13 00-0013	<b>Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 2-2.5 Percent Taps FCAN And FCBN. Rated To 5 KVA</b> <small>(26 12 13 00-0004)</small>			
26 12 13 00-0014	EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	1,484.88	311.30
26 12 13 00-0015	EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	1,826.01	389.13
26 12 13 00-0016	EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	2,113.94	466.96
26 12 13 00-0017	EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	2,710.34	583.70
26 12 13 00-0018	EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	3,226.53	700.44
26 12 13 00-0019	EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	4,027.83	817.18
26 12 13 00-0020	EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	4,944.15	972.82
26 12 13 00-0021	<b>Primary 13.8/14.4 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCBN And FCAN</b> <small>(26 12 13 00-0004)</small>			
26 12 13 00-0022	EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	1,457.25	311.30
26 12 13 00-0023	EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	1,727.35	389.13
26 12 13 00-0024	EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	2,039.78	466.96
26 12 13 00-0025	EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	2,693.23	583.70
26 12 13 00-0026	EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	3,154.28	700.44
26 12 13 00-0027	EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	4,073.47	817.18
26 12 13 00-0028	EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	4,955.56	972.82
26 12 13 00-0029	<b>Primary 13.8/14.4 KV Ground Y Secondary 240/480 Volt, 2-2.5 Percent Taps FCBN And FCAN</b> <small>(26 12 13 00-0004)</small>			
26 12 13 00-0030	EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	1,585.51	311.30
26 12 13 00-0031	EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	1,859.56	389.13
26 12 13 00-0032	EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	2,386.13	466.96
26 12 13 00-0033	EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	3,001.54	583.70
26 12 13 00-0034	EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	3,499.90	700.44
26 12 13 00-0035	EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	4,584.62	817.18
26 12 13 00-0036	EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	5,780.73	972.82
26 12 13 00-0037	<b>Transformer Platforms</b> <small>(26 12 13 00-0004)</small>			
26 12 13 00-0038	EA	Transformer Platforms, 75 - 167 KVA .....	3,063.11	525.72
26 12 13 00-0039	<b>Primary 24.9 KV, Ground Y Secondary 240/480 Volt, 2-2.5 Percent Taps FCBN Auto FCAN</b> <small>(26 12 13 00-0004)</small>			
26 12 13 00-0040	EA	10 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	1,702.46	311.30
26 12 13 00-0041	EA	15 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	1,965.75	389.13
26 12 13 00-0042	EA	25 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	2,386.87	466.96
26 12 13 00-0043	EA	37.5 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	3,000.62	583.70
26 12 13 00-0044	EA	50 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	3,577.40	739.35
26 12 13 00-0045	EA	75 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	4,586.90	817.18
26 12 13 00-0046	EA	100 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	5,780.73	972.82
26 12 13 00-0047	EA	167 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	7,652.92	1,245.22
26 12 13 00-0048	EA	250 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	9,908.15	1,673.26
26 12 13 00-0049	EA	333 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	11,586.59	1,945.65
26 12 13 00-0050	EA	500 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	14,193.92	2,101.30
26 12 13 00-0051	<b>Primary 4.8 KV Ground Y Secondary 120/240V 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL</b> <small>(26 12 13 00-0004)</small>			
26 12 13 00-0052	EA	10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	1,484.88	381.19
26 12 13 00-0053	EA	15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	1,802.33	476.45
26 12 13 00-0054	EA	25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	2,113.62	571.17
26 12 13 00-0055	EA	37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	2,711.09	715.77
26 12 13 00-0056	EA	50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	3,225.81	857.41
26 12 13 00-0057	EA	75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	4,270.23	998.59
26 12 13 00-0058	EA	100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	5,067.75	1,191.21



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 12 13 00-0059</b> Primary 4.8 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCAN And FCBN <small>(26 12 13 00-0004)</small>		
26 12 13 00-0060 EA 10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,484.88	381.19
26 12 13 00-0061 EA 15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,826.01	476.45
26 12 13 00-0062 EA 25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,113.62	571.17
26 12 13 00-0063 EA 37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,711.09	715.77
26 12 13 00-0064 EA 50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,225.81	857.41
26 12 13 00-0065 EA 75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,026.85	998.59
26 12 13 00-0066 EA 100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,944.15	1,191.21
<b>26 12 13 00-0067</b> Primary 7.2 To 14.4 KV Ground Y <small>(26 12 13 00-0004)</small>		
<b>26 12 13 00-0068</b> Primary 7.2 To 14.4 KV Ground Y Secondary 120 / 240 V 2-2.5 Percent Taps FCBN And FCAN <small>(26 12 13 00-0067)</small>		
26 12 13 00-0069 EA 10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,277.34	311.30
26 12 13 00-0070 EA 15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,547.80	389.13
26 12 13 00-0071 EA 25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,811.80	466.96
26 12 13 00-0072 EA 37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,335.01	583.70
26 12 13 00-0073 EA 50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,880.33	700.44
26 12 13 00-0074 EA 75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,142.37	817.18
26 12 13 00-0075 EA 100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,815.68	972.82
<b>26 12 13 00-0076</b> Primary 7.2 To 14.4 KV Ground Y Secondary 240 / 480 V 2-2.5 Pct Taps FCBN And FCAN <small>(26 12 13 00-0067)</small>		
26 12 13 00-0077 EA 10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,214.55	311.30
26 12 13 00-0078 EA 15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,468.87	389.13
26 12 13 00-0079 EA 25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,775.92	466.96
26 12 13 00-0080 EA 37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,263.26	583.70
26 12 13 00-0081 EA 50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,781.67	700.44
26 12 13 00-0082 EA 75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,783.62	817.18
26 12 13 00-0083 EA 100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,456.93	972.82
<b>26 12 13 00-0084</b> 3 Phase Oil Filled Distribution Transformers <small>(26 12 13)</small>		
<b>26 12 13 00-0085</b> Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt <small>(26 12 13 00-0084)</small> Note: 4-2.5 Percent taps FCBN, Class A, 95 KV BIL.		
26 12 13 00-0086 EA 112.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	5,340.28	1,089.57
26 12 13 00-0087 EA 150 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	6,402.45	1,167.39
26 12 13 00-0088 EA 225 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	8,396.44	1,478.69
26 12 13 00-0089 EA 300 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	10,871.49	1,867.83
26 12 13 00-0090 EA 500 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	15,080.70	2,101.30
26 12 13 00-0091 EA 750 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	22,431.99	2,801.74
<b>26 12 16</b> Dry-Type, Medium-Voltage Transformers <small>(26 12)</small>		
<b>26 12 16 00-0001</b> Removal and Relocation of Transformers <small>(26 12 16)</small>		
26 12 16 00-0002 EA Removal And Relocation Of Up To 37.5 KVA "Dry Type" Transformer .....	307.88	
26 12 16 00-0003 EA Removal And Relocation Of >37.5 To 112.5 KVA "Dry Type" Transformer.....	1,368.32	
<b>26 12 19</b> Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers <small>(26 12)</small>		
<b>26 12 19 00-0001</b> Single Phase Pad Mounted Distribution Transformers <small>(26 12 19)</small> Note: Designed for residential and multi-family buildings. UL listed.		
<b>26 12 19 00-0002</b> Mini Pak - Single Phase KVA 25 Thru 167 - 95 KV BIL.- Oil Filled <small>(26 12 19 00-0001)</small> Note: Self actuating pressure relief device, taps, 4-1/2 % below or 2-1/2 % above and below. Designed for loop feed grounded wye distribution system.		
<b>26 12 19 00-0003</b> Primary, 4.16/4.8 KV Ground Y Or Delta <small>(26 12 19 00-0002)</small> Note: 2.4 To 24.94 KV ground Y / 14.4 KV secondary - 240/120 Volt, 480/240 Volt, 277 V. Rated to 5 KVA.		
26 12 19 00-0004 EA 25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	2,975.00	370.93
26 12 19 00-0005 EA 37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	3,292.57	445.12
26 12 19 00-0006 EA 50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	3,909.79	519.30
26 12 19 00-0007 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	4,722.11	556.39
26 12 19 00-0008 EA 100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	5,309.69	593.49
26 12 19 00-0009 EA 167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	6,951.54	778.95
<b>26 12 19 00-0010</b> Factory Modifications Material Cost Only <small>(26 12 19 00-0002)</small>		
26 12 19 00-0011 EA Loadbreaker Current Limiting Fuse Factory Modifications.....	534.71	
26 12 19 00-0012 EA Loadbreaker Oil Switch, 2 Position Factory Modifications .....	561.84	

<b>26</b>	<b>Electrical</b>
<b>26 10</b>	<b>Medium-Voltage Electrical Distribution</b>
<b>26 12</b>	<b>Medium-Voltage Transformers</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0013	EA		Loadbreaker Inserts, Factory Modifications .....	618.02	
<b>26 12 19 00-0014</b>			<b>Distribution - Single Phase Multiple Building Transformer</b> <small>(26 12 19 00-0001)</small>		
			Note: KVA 25 to 250, KVA BIL-95, 125, 150 standard features. Oil filled, self-actuating pressure relief device, lighting arrester mounted. Pad HV/LV barrier, etc. with taps 4-1/2 % below or 2-1/2 % above and below.		
<b>26 12 19 00-0015</b>			<b>Primary, 4.16/4.8 KVA Ground Y Or Delta</b> <small>(26 12 19 00-0014)</small>		
			Note: 2.4 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0016	EA		25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	3,571.07	370.93
26 12 19 00-0017	EA		37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	4,067.34	370.93
26 12 19 00-0018	EA		50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	4,420.07	508.17
26 12 19 00-0019	EA		75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	5,441.14	508.17
26 12 19 00-0020	EA		100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	6,095.02	667.67
26 12 19 00-0021	EA		167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	7,352.67	667.67
26 12 19 00-0022	EA		250 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	11,516.03	927.32
<b>26 12 19 00-0023</b>			<b>Factory Modifications Material Cost Only</b> <small>(26 12 19 00-0014)</small>		
26 12 19 00-0024	EA		Loadbreaker Current Limiting Fuse Factory Modifications .....	712.95	
26 12 19 00-0025	EA		Lightning Arrestors, Factory Modifications .....	180.64	
26 12 19 00-0026	EA		Loadbreaker Oil Switch, 2 Position Factory Modifications .....	561.84	
26 12 19 00-0027	EA		Loop Feed Air Switch, Factory Modifications .....	914.44	
26 12 19 00-0028	EA		Loadbreaker Inserts (Two), Factory Modifications .....	244.11	
26 12 19 00-0029	EA		Bay-O-Net Fuse 25 Thru 167 KVA Factory Modifications .....	211.17	
<b>26 12 19 00-0030</b>			<b>Primary, 12.47 KV Ground Y Or Delta</b> <small>(26 12 19 00-0014)</small>		
			Note: 7.2 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0031	EA		25 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	3,833.84	370.93
26 12 19 00-0032	EA		37.5 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	4,155.24	370.93
26 12 19 00-0033	EA		50 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	4,385.70	508.17
26 12 19 00-0034	EA		75 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	5,231.70	508.17
26 12 19 00-0035	EA		100 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	6,530.39	667.67
26 12 19 00-0036	EA		167 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	8,121.16	667.74
26 12 19 00-0037	EA		250 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	10,290.47	927.32
<b>26 12 19 00-0038</b>			<b>Oil Filled Distribution Transformer Single Phase Cluster Mounted</b> <small>(26 12 19 00-0001)</small>		
			Note: Conventional type.		
<b>26 12 19 00-0039</b>			<b>13.8/14.4 KV Ground Y Or Delta Primary 120/240V</b> <small>(26 12 19 00-0038)</small>		
			Note: 2.5 Taps FCBN and FCAN.		
26 12 19 00-0040	EA		10 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	2,612.13	264.21
26 12 19 00-0041	EA		37.5 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	3,288.66	371.55
26 12 19 00-0042	EA		50 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	4,992.57	594.48
26 12 19 00-0043	EA		100 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	8,649.08	594.48
26 12 19 00-0044	EA		167 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	11,831.29	974.29
26 12 19 00-0045	EA		250 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	15,641.91	974.29
<b>26 12 19 00-0046</b>			<b>Oil Filled Distribution Transformer Single Phase</b> <small>(26 12 19 00-0001)</small>		
<b>26 12 19 00-0047</b>			<b>7.2 KV Primary, 120/240 Volt Secondary</b> <small>(26 12 19 00-0046)</small>		
26 12 19 00-0048	EA		10 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	2,542.17	280.72
26 12 19 00-0049	EA		15 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	2,779.71	280.72
26 12 19 00-0050	EA		25 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	3,256.97	396.33
26 12 19 00-0051	EA		37.5 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	4,234.26	396.33
26 12 19 00-0052	EA		50 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	4,881.28	536.68
26 12 19 00-0053	EA		100 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	8,470.41	825.67
26 12 19 00-0054	EA		167 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	11,691.37	825.67
26 12 19 00-0055	EA		250 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	15,425.93	1,032.09
<b>26 12 19 00-0056</b>			<b>7.2 KV Primary, 240/480 Volt Secondary</b> <small>(26 12 19 00-0046)</small>		
26 12 19 00-0057	EA		10 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	2,542.17	280.72
26 12 19 00-0058	EA		15 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	2,779.78	280.72



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0059 EA 25 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	3,256.97	396.33
26 12 19 00-0060 EA 37.5 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	4,234.26	396.33
26 12 19 00-0061 EA 50 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	4,881.28	536.68
26 12 19 00-0062 EA 75 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	7,427.46	726.58
26 12 19 00-0063 EA 100 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	8,470.41	726.58
26 12 19 00-0064 EA 167 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	11,691.37	916.49
26 12 19 00-0065 EA 250 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	15,425.93	1,032.09
<b>26 12 19 00-0066 2.4 KV Primary, 277 Volt Secondary (26 12 19 00-0046)</b>		
26 12 19 00-0067 EA 10 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	2,761.72	280.72
26 12 19 00-0068 EA 15 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	3,018.96	280.72
26 12 19 00-0069 EA 25 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	3,540.64	396.33
26 12 19 00-0070 EA 37.5 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	4,596.63	396.33
26 12 19 00-0071 EA 50 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	5,296.81	536.68
26 12 19 00-0072 EA 75 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	7,967.83	726.58
26 12 19 00-0073 EA 100 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	9,237.63	726.58
26 12 19 00-0074 EA 167 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	12,768.23	916.49
26 12 19 00-0075 EA 250 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	16,885.73	1,032.09
<b>26 12 19 00-0076 2.4 KV Primary, 120/240 Volt Secondary (26 12 19 00-0046)</b>		
26 12 19 00-0077 EA 10 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	2,542.17	280.72
26 12 19 00-0078 EA 15 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	2,779.71	280.72
26 12 19 00-0079 EA 25 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	3,256.97	539.24
26 12 19 00-0080 EA 37.5 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	4,234.26	726.58
26 12 19 00-0081 EA 50 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	4,881.28	536.68
26 12 19 00-0082 EA 75 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	7,312.97	726.58
26 12 19 00-0083 EA 100 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	8,468.97	726.58
<b>26 12 19 00-0084 2.4 KV Primary, 240/480 Volt Secondary (26 12 19 00-0046)</b>		
26 12 19 00-0085 EA 10 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	2,542.17	280.72
26 12 19 00-0086 EA 15 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	2,779.71	280.72
26 12 19 00-0087 EA 25 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	3,256.97	396.33
26 12 19 00-0088 EA 37.5 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	4,234.26	396.33
26 12 19 00-0089 EA 50 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	4,881.28	536.68
26 12 19 00-0090 EA 75 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	7,312.97	726.58
26 12 19 00-0091 EA 100 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	8,468.97	726.58
<b>26 12 19 00-0092 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary (26 12 19 00-0046)</b>		
26 12 19 00-0093 EA 10 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	2,200.84	288.99
26 12 19 00-0094 EA 15 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	2,394.13	322.01
26 12 19 00-0095 EA 25 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	2,884.93	355.03
26 12 19 00-0096 EA 37 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	3,708.66	495.40
26 12 19 00-0097 EA 50 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	4,154.13	577.96
26 12 19 00-0098 EA 75 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	5,635.43	677.05
26 12 19 00-0099 EA 100 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	6,743.28	776.13
26 12 19 00-0100 EA 167 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	10,355.66	990.80
26 12 19 00-0101 EA 250 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	14,077.30	1,114.66
<b>26 13 Medium-Voltage Switchgear (26 10)</b>		
<b>26 13 16 Medium-Voltage Fusible Interrupter Switchgear (26 13)</b>		
26 13 16 00-0001 "Switchyard", Substation Secondary Distribution Section (26 13 16)		
Note: Medium voltage, metal clad switchgear, 3 phase, 3 wire with ground. Includes breaker element, housing, control switch two lamps - 3 cable terminals.		
<b>26 13 16 00-0002 4.16 Or 4.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section (26 13 16 00-0001)</b>		
26 13 16 00-0003 EA 1,200 Amp, 75 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section .....	10,243.64	858.70
For Weatherproofing, Add	2,133.19	
26 13 16 00-0004 EA 1,200 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section .....	10,764.58	858.70
For Weatherproofing, Add	2,247.80	
26 13 16 00-0005 EA 1,200 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section .....	14,705.83	1,094.01
For Weatherproofing, Add	3,090.43	
26 13 16 00-0006 EA 2,000 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section .....	20,113.10	1,094.01
For Weatherproofing, Add	4,261.61	
26 13 16 00-0007 EA 2,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section .....	28,933.97	1,321.07
For Weatherproofing, Add	6,180.23	
26 13 16 00-0008 EA 3,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section .....	26,349.96	1,321.07
For Weatherproofing, Add	5,602.39	
<b>26 13 16 00-0009 7.2 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section (26 13 16 00-0001)</b>		
26 13 16 00-0010 EA 1,200 Amp, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section .....	15,386.82	990.80
For Weatherproofing, Add	3,252.23	

**26 Electrical**  
**26 10 Medium-Voltage Electrical Distribution**  
**26 13 Medium-Voltage Switchgear**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0011 EA 2,000 Amp, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	18,872.20 3,978.32	1,238.50
26 13 16 00-0012 EA 3,000 Amp, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	26,624.44 5,654.58	1,486.21
<b>26 13 16 00-0013 13.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section</b> <small>(26 13 16 00-0001)</small>		
26 13 16 00-0014 EA 1,200 Amp, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	14,805.37 3,113.41	990.80
26 13 16 00-0015 EA 1,200 Amp, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	20,448.34 4,331.11	990.80
26 13 16 00-0016 EA 1,200 Amp, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	29,979.13 6,400.81	1,321.07
26 13 16 00-0017 EA 2,000 Amp, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	18,619.77 3,912.87	1,321.07
26 13 16 00-0018 EA 2,000 Amp, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	27,166.19 5,769.41	1,651.34
26 13 16 00-0019 EA 2,000 Amp, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	38,140.68 8,158.83	1,651.34
26 13 16 00-0020 EA 3,000 Amp, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	26,123.99 5,533.22	1,651.34
26 13 16 00-0021 EA 3,000 Amp, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	36,351.55 7,759.49	1,651.34
26 13 16 00-0022 EA 3,000 Amp, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	47,222.15 10,128.53	1,651.34
<b>26 13 16 00-0023 4.16 Or 4.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section</b> <small>(26 13 16 00-0001)</small>		
26 13 16 00-0024 EA 1,200 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	4,551.74 925.53	540.81
26 13 16 00-0025 EA 1,200 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	5,964.03 1,236.24	540.81
26 13 16 00-0026 EA 2,000 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	6,430.68 1,314.41	718.33
26 13 16 00-0027 EA 2,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	7,968.83 1,628.85	887.60
26 13 16 00-0028 EA 3,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	10,827.18 2,257.69	887.60
<b>26 13 16 00-0029 7.2 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section</b> <small>(26 13 16 00-0001)</small>		
26 13 16 00-0030 EA 1,200 Amp, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	5,778.62 1,184.90	825.67
26 13 16 00-0031 EA 2,000 Amp, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	7,565.73 1,553.74	825.67
26 13 16 00-0032 EA 3,000 Amp, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	11,612.70 2,420.07	825.67
<b>26 13 16 00-0033 13.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section</b> <small>(26 13 16 00-0001)</small>		
26 13 16 00-0034 EA 1,200 Amp, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	5,941.51 1,209.34	701.82
26 13 16 00-0035 EA 1,200 Amp, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	6,350.25 1,299.26	701.82
26 13 16 00-0036 EA 1,200 Amp, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	9,136.42 1,888.08	866.95
26 13 16 00-0037 EA 2,000 Amp, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	8,069.01 1,629.23	1,040.34
26 13 16 00-0038 EA 2,000 Amp, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	9,995.13 2,052.98	1,040.34
26 13 16 00-0039 EA 2,000 Amp, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	11,487.15 2,356.68	1,213.73
26 13 16 00-0040 EA 3,000 Amp, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	10,690.14 2,157.23	1,387.12
26 13 16 00-0041 EA 3,000 Amp, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	12,009.97 2,447.59	1,387.12
26 13 16 00-0042 EA 3,000 Amp, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section..... <i>For Weatherproofing, Add</i>	14,838.90 3,045.63	1,552.25
<b>26 13 16 00-0043 Accessories For Substation Secondary Distribution Sections</b> <small>(26 13 16 00-0001)</small>		
26 13 16 00-0044 EA 1,200 Amp, Transformer Throat Connection Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,839.84 313.94	523.22
26 13 16 00-0045 EA 2,000 Amp, Transformer Throat Connection Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,570.39 348.38	580.61
26 13 16 00-0046 EA 3,000 Amp, Transformer Throat Connection Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,676.80 419.12	698.52
26 13 16 00-0047 EA 3-Phase Pothead Termination Accessories, Secondary Distribution Section .....	2,789.60	1,050.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0048 EA 5 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	3,695.41	67.08
26 13 16 00-0049 EA 5 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	4,942.94	67.08
26 13 16 00-0050 EA 5 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	9,068.97	67.08
26 13 16 00-0051 EA 15 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	7,122.70	67.08
26 13 16 00-0052 EA 15 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	7,777.58	67.08
26 13 16 00-0053 EA 15 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	10,594.45	67.08
26 13 16 00-0054 EA 6 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section.....	1,662.62	67.08
26 13 16 00-0055 EA 9 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section.....	1,881.90	67.08
26 13 16 00-0056 EA 15 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section.....	2,869.25	67.08
26 13 16 00-0057 EA Overcurrent Phase Protection, Time And Instantaneous Device 67.....	1,829.15	67.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.25	
EA AC Ammeter With Switch.....	703.11	67.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.25	
26 13 16 00-0059 EA AC Voltmeter With Switch And Potential Transformer.....	703.11	67.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.25	
26 13 16 00-0060 EA Indicating Wattmeter.....	1,049.22	67.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.25	
26 13 16 00-0061 EA Indicating Varmeter.....	1,241.24	67.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.25	
26 13 16 00-0062 EA Indicating Watt-hour Meter, 2 Element.....	771.86	67.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.25	
26 13 16 00-0063 EA Ground Protection, Time Or Instantaneous Device 67N.....	2,977.83	67.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.25	
26 13 16 00-0064 EA Differential Generator Protection Single Phase NEMA Device 87.....	3,492.72	67.08
26 13 16 00-0065 EA Current Transformers 5 And 15 KV Single Secondary.....	470.20	67.08
26 13 16 00-0066 EA Potential Transformers 5 KV And 15 KV With Primary Fuses.....	2,324.01	67.08
<b>26 13 19 Medium-Voltage Vacuum Interrupter Switchgear (26 13)</b>		
<b>26 13 19 00-0001 Vacuum Circuit Breakers 13.8 KV (26 13 19)</b>		
26 13 19 00-0002 EA 1,200 Amp, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	37,607.27	1,032.09
26 13 19 00-0003 EA 1,200 Amp, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	41,513.58	1,304.56
26 13 19 00-0004 EA 1,200 Amp, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	47,124.83	1,304.56
26 13 19 00-0005 EA 2,000 Amp, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	43,134.67	1,032.09
26 13 19 00-0006 EA 2,000 Amp, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	48,557.51	1,032.09
26 13 19 00-0007 EA 2,000 Amp, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	55,339.98	1,213.73
26 13 19 00-0008 EA 3,000 Amp, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	57,065.45	1,387.12
26 13 19 00-0009 EA 3,000 Amp, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	62,515.84	1,387.12
26 13 19 00-0010 EA 3,000 Amp, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	68,298.11	1,560.52
<b>26 13 29 Medium-Voltage Compartmentalized Switchgear (26 13)</b>		
<b>26 13 29 00-0001 Substation Secondary Distribution Section (26 13 29)</b>		
Note: Low voltage drawout switchgear 277/480 volt, 3 phase 4 wire.		
<b>26 13 29 00-0002 Switchgear Compartment Complete With Air Circuit Breaker (26 13 29 00-0001)</b>		
Note: With solid state long - time and instantaneous trips.		
26 13 29 00-0003 EA 800 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-206.....	11,924.76	633.88
26 13 29 00-0004 EA 1,600 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-416.....	18,749.16	958.36
26 13 29 00-0005 EA 2,000 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-420.....	25,378.12	1,177.20
26 13 29 00-0006 EA 3,200 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-632.....	42,381.14	1,365.85
26 13 29 00-0007 EA 4,000 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-840.....	54,537.36	1,554.51
<b>26 13 29 00-0008 Switchgear Compartment Without Circuit Breaker (26 13 29 00-0001)</b>		
26 13 29 00-0009 EA 800 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	5,274.75	192.42
26 13 29 00-0010 EA 1,600 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	6,095.16	192.42
26 13 29 00-0011 EA 2,000 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	7,975.07	282.98
26 13 29 00-0012 EA 3,200 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	11,436.90	282.98
26 13 29 00-0013 EA 4,000 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	19,133.68	415.04
<b>26 13 29 00-0014 Switchgear Compartment, Blank, Use As Filler Or Metering (26 13 29 00-0001)</b>		
Note: No provisions for future breaker.		
26 13 29 00-0015 EA 600 Thru 2,000 Amp, Blank Section Filler, Secondary Distribution Section.....	2,604.75	215.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	122.97	
26 13 29 00-0016 EA 3,000 Amp, Blank Section Filler, Secondary Distribution Section.....	3,259.15	215.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	144.36	
26 13 29 00-0017 EA 4,000 Amp, Blank Section Filler, Secondary Distribution Section.....	4,254.23	332.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	207.52	
<b>26 13 29 00-0018 Accessories For Substation Secondary Distribution (26 13 29 00-0001)</b>		
26 13 29 00-0019 EA Short Time Delay Accessories, Secondary Distribution Section.....	1,416.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.25	
26 13 29 00-0020 EA Key Interlock Accessories, Secondary Distribution Section.....	1,108.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.25	
26 13 29 00-0021 EA Ammeter And Switch Complete Accessories, Secondary Distribution Section.....	3,450.70	67.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.25	
26 13 29 00-0022 EA Voltmeter And Switch Complete Accessories, Secondary Distribution Section.....	3,450.70	67.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.25	



<b>26</b>	<b>Electrical</b>
<b>26 10</b>	<b>Medium-Voltage Electrical Distribution</b>
<b>26 13</b>	<b>Medium-Voltage Switchgear</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 29 00-0023 EA Wattmeter - Complete Accessories, Secondary Distribution Section.....	4,554.92	67.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.25	
26 13 29 00-0024 EA Watt-hour Meter - Complete Accessories, Secondary Distribution Section .....	5,891.61	67.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.25	
26 13 29 00-0025 EA Circuit Breaker Lifting Device Accessories, Secondary Distribution Section.....	2,572.47	76.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.86	
26 13 29 00-0026 EA Weatherproofing, Per Vertical Section Accessories, Secondary Distribution Section.....	8,219.77	1,132.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	679.42	
26 13 29 00-0027 EA Current Transformer, Single Section 5 To 800 Single Secondary 5 To 800 .....	1,579.34	67.08
26 13 29 00-0028 EA Potential Transformers Each With Fuses Accessories, Secondary Distribution Section.....	1,849.91	67.08
26 13 29 00-0029 EA Shunt Trip And Auxiliary Switch Accessories, Secondary Distribution Section.....	987.26	33.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.12	
26 13 29 00-0030 EA 3 Current Limiting Fuses 15 KV Accessories, Secondary Distribution Section.....	7,392.96	67.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.25	
26 13 29 00-0031 EA 3 Phase Surge Capacitors 15 KV Accessories, Secondary Distribution Section .....	940.77	33.54

## 26 18 Medium-Voltage Circuit Protection Devices <sup>(26 10)</sup>

### 26 18 36 Medium-Voltage Enclosed Fuses <sup>(26 18)</sup>

26 18 36 00-0001 Sectionalizing Switch <sup>(26 18 36)</sup>		
26 18 36 00-0002 Pad Mounted Metal Enclosed Oil Filled Switching Units <sup>(26 18 36 00-0001)</sup>		
Note: 15 KV - 25 KV.		
26 18 36 00-0003 Sectionalizing Tapping And Fusing Underground Feeders <sup>(26 18 36 00-0002)</sup>		
Note: 200 Amp replaceable bushing wells recessed locking assembly oil level and oil fill plugs.		
26 18 36 00-0004 EA 3 Phase, 1 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	22,807.96	556.39
26 18 36 00-0005 EA 3 Phase, 2 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	25,630.99	556.39

## 26 20 Low-Voltage Electrical Distribution <sup>(26)</sup>

### 26 21 Low-Voltage Electrical Service Entrance <sup>(26 20)</sup>

See CSI section 26 05 13 00-0000 for wire and cables.

#### 26 21 13 Low-Voltage Overhead Electrical Service Entrance <sup>(26 21)</sup>

26 21 13 00-0001 Service Drop Cable And Weatherheads <sup>(26 21 13)</sup>		
26 21 13 00-0002 600 Volt Insulated Stranded Conductors <sup>(26 21 13 00-0001)</sup>		
26 21 13 00-0003 Aluminum Duplex ACSR Neutral <sup>(26 21 13 00-0002)</sup>		
26 21 13 00-0004 LF #6 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	5.10	1.96
26 21 13 00-0005 LF #4 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	6.09	2.33
26 21 13 00-0006 LF #2 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	7.03	2.62
26 21 13 00-0007 LF #1/0 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	9.14	3.30
26 21 13 00-0008 Aluminum Triplex ACSR Neutral <sup>(26 21 13 00-0002)</sup>		
26 21 13 00-0009 LF #6 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt .....	6.13	2.33
26 21 13 00-0010 LF #4 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt .....	6.98	2.62
26 21 13 00-0011 LF #2 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt .....	8.83	3.30
26 21 13 00-0012 LF #1/0 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt .....	10.94	4.03
26 21 13 00-0013 LF #2/0 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt .....	14.36	5.32
26 21 13 00-0014 LF #4/0 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt .....	18.09	6.61
26 21 13 00-0015 LF 336 MCM Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt .....	23.02	7.86
26 21 13 00-0016 Aluminum Quadruplex ACSR Neutral <sup>(26 21 13 00-0002)</sup>		
26 21 13 00-0017 LF #6 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	6.99	2.62
26 21 13 00-0018 LF #4 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	8.82	3.30
26 21 13 00-0019 LF #2 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	11.36	4.23
26 21 13 00-0020 LF #1/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	14.61	5.32
26 21 13 00-0021 LF #2/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	16.23	5.90
26 21 13 00-0022 LF #3/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	18.51	6.61
26 21 13 00-0023 LF #4/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	21.88	7.86
26 21 13 00-0024 LF 336 MCM Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	25.99	8.69
26 21 13 00-0025 Weather Proof Conduit Hubs <sup>(26 21 13 00-0002)</sup>		
26 21 13 00-0026 EA 1/2" Weatherproof Conduit Hubs .....	34.14	12.91
26 21 13 00-0027 EA 3/4" Weatherproof Conduit Hubs .....	38.97	14.68
26 21 13 00-0028 EA 1" Weatherproof Conduit Hubs .....	45.37	16.44
26 21 13 00-0029 EA 1-1/4" Weatherproof Conduit Hubs .....	63.45	22.02
26 21 13 00-0030 EA 1-1/2" Weatherproof Conduit Hubs .....	69.86	23.77
26 21 13 00-0031 EA 2" Weatherproof Conduit Hubs .....	90.84	27.59
26 21 13 00-0032 EA 2-1/2" Weatherproof Conduit Hubs .....	120.25	31.11
26 21 13 00-0033 EA 3" Weatherproof Conduit Hubs .....	155.93	36.69
26 21 13 00-0034 EA 4" Weatherproof Conduit Hubs .....	274.64	73.38



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 21 13 00-0035</b> Service Entrance Cap, Threaded Weatherhead, Galvanized <small>(26 21 13 00-0002)</small>		
26 21 13 00-0036 EA 1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #14 Thru #10 AWG Cable Service.....	39.71	12.91
26 21 13 00-0037 EA 3/4" Galvanized Threaded Service Entrance Weatherhead Cap For #12 Thru #8 AWG Cable Service.....	45.65	14.68
26 21 13 00-0038 EA 1" Galvanized Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service.....	52.54	16.44
26 21 13 00-0039 EA 1-1/4" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	70.65	22.02
26 21 13 00-0040 EA 1-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	80.72	23.77
26 21 13 00-0041 EA 2" Galvanized Threaded Service Entrance Weatherhead Cap For #1/0 Thru #2/0 AWG Cable Service.....	108.72	27.59
26 21 13 00-0042 EA 2-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #3/0 Thru #4/0 Cable Service.....	194.09	31.11
26 21 13 00-0043 EA 3" Galvanized Threaded Service Entrance Weatherhead Cap For 250 Thru 350 MCM Cable Service.....	220.02	36.69
26 21 13 00-0044 EA 4" Galvanized Threaded Service Entrance Weatherhead Cap For 600 Thru 750 MCM Cable Service.....	352.21	73.38
<b>26 21 13 00-0045</b> Service Entrance Cap, Clamp-On Weatherhead, Aluminum <small>(26 21 13 00-0002)</small>		
26 21 13 00-0046 EA 1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #14 Thru #10 AWG Cable Service.....	38.09	12.91
26 21 13 00-0047 EA 3/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #12 Thru #8 AWG Cable Service.....	42.92	14.68
26 21 13 00-0048 EA 1" Aluminum Clamp-On Service Entrance Weatherhead Cap For #6 AWG Cable Service.....	48.85	16.36
26 21 13 00-0049 EA 1-1/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	64.81	22.02
26 21 13 00-0050 EA 1-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	72.84	23.77
26 21 13 00-0051 EA 2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #1/0 Thru #2/0 AWG Cable Service.....	86.19	27.59
26 21 13 00-0052 EA 2-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #3/0 Thru #4/0 Cable Service.....	151.85	31.11
26 21 13 00-0053 EA 3" Aluminum Clamp-On Service Entrance Weatherhead Cap For 250 Thru 350 MCM Cable Service.....	198.77	36.69
26 21 13 00-0054 EA 3-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 400 Thru 500 MCM Cable Service.....	277.38	55.03
26 21 13 00-0055 EA 4" Aluminum Clamp-On Service Entrance Weatherhead Cap For 600 Thru 750 MCM Cable Service.....	326.92	73.38
<b>26 21 13 00-0056</b> Service Entrance Cap, Threaded Weatherhead, Polyvinyl Chloride (PVC) <small>(26 21 13 00-0002)</small>		
26 21 13 00-0057 EA 1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #14 Thru #10 AWG Cable Service.....	35.53	12.91
26 21 13 00-0058 EA 3/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #12 Thru #8 AWG Cable Service.....	40.68	14.68
26 21 13 00-0059 EA 1" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service.....	46.22	16.36
26 21 13 00-0060 EA 1-1/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	61.56	22.02
26 21 13 00-0061 EA 1-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 Thru #2 AWG Cable Service.....	67.08	23.77
26 21 13 00-0062 EA 2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #1/0 Thru #2/0 AWG Cable Service.....	82.47	27.59
26 21 13 00-0063 EA 2-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #3/0 Thru #4/0 Cable Service.....	139.94	31.11
26 21 13 00-0064 EA 3" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 250 Thru 350 MCM Cable Service.....	156.57	36.69
26 21 13 00-0065 EA 3-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 400 Thru 500 MCM Cable Service.....	270.14	55.03
26 21 13 00-0066 EA 4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 600 Thru 750 MCM Cable Service.....	374.52	73.38
<b>26 21 16 Low-Voltage Underground Electrical Service Entrance</b> <small>(26 21)</small>		
<b>26 21 16 00-0001</b> Aluminum Triplex For Underground Service, Direct Burial <small>(26 21 16)</small>		
Note: Excludes excavation and backfill.		
26 21 16 00-0002 MLF #6 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	2,215.06	733.94
26 21 16 00-0003 MLF #4 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	2,448.13	777.12
26 21 16 00-0004 MLF #2 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	2,764.99	825.67
26 21 16 00-0005 MLF #1/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	3,065.30	825.67
26 21 16 00-0006 MLF #2/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	3,358.93	880.74
26 21 16 00-0007 MLF #3/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	3,948.87	1,016.23
26 21 16 00-0008 MLF #4/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	4,944.95	1,321.07
<b>26 22 Low-Voltage Transformers</b> <small>(26 20)</small>		
<b>26 22 13 Low-Voltage Distribution Transformers</b> <small>(26 22)</small>		
<b>26 22 13 00-0001</b> Single Phase General Purpose "Dry Type" Transformers <small>(26 22 13)</small>		
Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor Use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
<b>26 22 13 00-0002</b> 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers <small>(26 22 13 00-0001)</small>		
Note: 2-2.5 Percent taps above and 4-2.5 percent taps below.		
26 22 13 00-0003 EA 1 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	569.92	188.96
26 22 13 00-0004 EA 3 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	745.81	226.74
26 22 13 00-0005 EA 5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	890.44	236.57
26 22 13 00-0006 EA 7.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,036.27	245.63
26 22 13 00-0007 EA 10 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,383.32	264.54
26 22 13 00-0008 EA 15 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,615.54	283.43
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	52.43	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	78.65	
26 22 13 00-0009 EA 25 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,762.13	302.32
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	57.87	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	86.81	
26 22 13 00-0010 EA 37.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,759.23	340.12
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	53.95	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	80.93	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0011 EA 50 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	2,068.76	377.90
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	65.65	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	98.47	
26 22 13 00-0012 EA 75 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	2,686.69	453.48
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	88.99	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	133.48	
26 22 13 00-0013 EA 100 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	3,359.93	529.06
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	115.09	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	172.64	
26 22 13 00-0014 EA 167 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	5,178.42	680.23
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	190.90	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	286.35	
26 22 13 00-0015 EA 250 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	8,905.83	831.39
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	362.15	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	543.23	
26 22 13 00-0016 EA 333 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	13,575.13	944.76
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	584.28	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	876.42	
<b>26 22 13 00-0017 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001)</b>		
Note: 1-10 Percent x 2-5 percent FCBN taps.		
26 22 13 00-0018 EA 3 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	656.45	226.74
26 22 13 00-0019 EA 5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	747.24	236.19
26 22 13 00-0020 EA 7.5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	876.20	245.63
26 22 13 00-0021 EA 10 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	1,006.90	264.54
<b>26 22 13 00-0022 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001)</b>		
Note: 2-5 Percent x 4 - 2.5 percent FCBN taps.		
26 22 13 00-0023 EA 15 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	1,615.54	283.43
26 22 13 00-0024 EA 25 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	1,762.13	302.32
<b>26 22 13 00-0025 1 Phase Mounting Brackets (26 22 13 00-0001)</b>		
26 22 13 00-0026 EA 1 Phase Mounting Brackets (Set Of 2) For Transformers Up To 100 KVA.....	376.46	134.17
<b>26 22 13 00-0027 1 Phase Weathershields (26 22 13 00-0001)</b>		
Note: Use with types DT-3 and DS-3.		
26 22 13 00-0028 EA 37.5 KVA 1 Phase Weathershields, Set Of 2.....	37.78	
26 22 13 00-0029 EA 50 KVA 1 Phase Weathershields, Set Of 2.....	48.15	
26 22 13 00-0030 EA 75 KVA 1 Phase Weathershields, Set Of 2.....	57.42	
26 22 13 00-0031 EA 100 KVA 1 Phase Weathershields, Set Of 2.....	68.50	
26 22 13 00-0032 EA 167 KVA 1 Phase Weathershields, Set Of 2.....	92.68	
26 22 13 00-0033 EA 250 KVA 1 Phase Weathershields, Set Of 2.....	110.81	
26 22 13 00-0034 EA 333 KVA 1 Phase Weathershields, Set Of 2.....	136.00	
<b>26 22 13 00-0035 Packaged Power Supply (26 22 13 00-0001)</b>		
Note: 2-5 Percent FCBN taps.		
26 22 13 00-0036 EA 5 KVA, 480 Volt - 120/240 Volt, Transformer With 6 - 1 Pole / 3 - 2 Pole Max 20 Amp Breakers.....	1,027.76	236.19
26 22 13 00-0037 EA 7.5 KVA, 480 Volt - 120/240 Volt, Transformer With 8 - 1 Pole / 4 - 2 Pole Max 30 Amp Breakers.....	1,140.68	245.63
26 22 13 00-0038 EA 10 KVA, 480 Volt - 120/240 Volt, Transformer With 10 - 1 Pole / 5 - 2 Pole Max 40 Amp Breakers.....	1,234.46	264.54
26 22 13 00-0039 EA 15 KVA, 480 Volt - 120/240 Volt, Transformer With 16 - 1 Pole / 8 - 2 Pole Max 60 Amp Breakers.....	1,482.39	283.43
26 22 13 00-0040 EA 25 KVA, 480 Volt - 120/240 Volt, Transformer With 24 - 1 Pole / 12 - 2 Pole Max 100 Amp Breakers.....	1,970.23	302.32
<b>26 22 13 00-0041 240 Volt, 120/240 Volt, Single Phase Isolation Transformer Computer Grade (26 22 13 00-0001)</b>		
26 22 13 00-0042 EA 0.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	758.18	170.05
26 22 13 00-0043 EA 1 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	1,027.66	188.96
26 22 13 00-0044 EA 2.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	1,203.98	226.74
26 22 13 00-0045 EA 5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	1,318.58	236.19
26 22 13 00-0046 EA 7.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	1,468.44	245.63
26 22 13 00-0047 EA 10 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	1,848.73	264.54
26 22 13 00-0048 EA 15 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	2,347.91	283.43
<b>26 22 13 00-0049 1 Phase, 208/600 Volt, Dry General Purpose Transformer (26 22 13 00-0001)</b>		
26 22 13 00-0050 EA 15 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	2,833.81	283.43
26 22 13 00-0051 EA 25 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	2,946.74	302.32
26 22 13 00-0052 EA 30 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	3,067.66	321.22
26 22 13 00-0053 EA 37.5 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	3,974.93	340.12
26 22 13 00-0054 EA 45 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	4,135.47	359.01
26 22 13 00-0055 EA 50 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	5,426.70	377.90



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 22 13 00-0056</b> <b>3 Phase General Purpose "Dry Type" Transformer</b> <small>(26 22 13)</small> Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
<b>26 22 13 00-0057</b> <b>Packaged Power Supply</b> <small>(26 22 13 00-0056)</small> Note: 2-5 Percent FCBN taps.		
26 22 13 00-0058     EA    15 KVA, 480 Volt - 208/120 Volt, Transformer With 12 - 1 Pole / 4 - 3 Pole Max, 40 Amp Breakers.....	4,287.04	812.49
	<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	133.10
	<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	199.65
26 22 13 00-0059     EA    22.5 KVA, 480 Volt - 208/120 Volt, Transformer With 18 - 1 Pole / 6 - 3 Pole Max, 60 Amp Breakers.....	5,037.21	869.18
	<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	164.94
	<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	247.41
26 22 13 00-0060     EA    30 KVA, 480 Volt - 208/120 Volt, Transformer With 24 - 1 Pole / 8 - 3 Pole Max, 80 Amp Breakers.....	5,937.16	944.76
	<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	202.38
	<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	303.57
<b>26 22 13 00-0061</b> <b>Drive Isolation Transformers</b> <small>(26 22 13 00-0056)</small> Note: Only use in step-up applications.		
<b>26 22 13 00-0062</b> <b>230 Volt Drive Isolation Transformers</b> <small>(26 22 13 00-0061)</small>		
26 22 13 00-0063     EA    7.5 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	2,960.74	302.32
26 22 13 00-0064     EA    11 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	3,439.20	321.22
26 22 13 00-0065     EA    15 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	3,565.12	340.12
26 22 13 00-0066     EA    20 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	4,175.19	359.01
26 22 13 00-0067     EA    27 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	4,341.25	396.80
26 22 13 00-0068     EA    34 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	4,771.71	434.59
26 22 13 00-0069     EA    40 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	5,380.79	472.38
26 22 13 00-0070     EA    51 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	6,245.06	529.06
26 22 13 00-0071     EA    63 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	6,739.96	547.96
26 22 13 00-0072     EA    75 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	7,730.77	566.86
26 22 13 00-0073     EA    93 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	9,628.76	585.75
26 22 13 00-0074     EA    118 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	10,855.70	718.02
26 22 13 00-0075     EA    145 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	12,074.66	755.81
26 22 13 00-0076     EA    175 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	13,777.76	793.60
26 22 13 00-0077     EA    220 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	16,788.71	944.76
26 22 13 00-0078     EA    275 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	22,139.49	1,114.82
26 22 13 00-0079     EA    330 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	23,407.38	1,228.18
26 22 13 00-0080     EA    440 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	28,404.06	1,360.45
26 22 13 00-0081     EA    550 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	34,932.11	1,511.61
<b>26 22 13 00-0082</b> <b>208V Drive Isolation Transformers</b> <small>(26 22 13 00-0061)</small>		
26 22 13 00-0083     EA    7.5 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	3,080.67	302.32
26 22 13 00-0084     EA    11 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	3,581.55	321.22
26 22 13 00-0085     EA    15 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	3,711.96	340.12
26 22 13 00-0086     EA    20 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	4,351.16	359.01
26 22 13 00-0087     EA    27 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	4,521.83	396.80
26 22 13 00-0088     EA    30 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	4,932.56	415.70
26 22 13 00-0089     EA    45 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	5,644.38	491.28
26 22 13 00-0090     EA    51 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	6,509.07	529.06
26 22 13 00-0091     EA    63 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	7,027.25	547.96
26 22 13 00-0092     EA    75 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	8,066.56	566.86
26 22 13 00-0093     EA    93 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	10,059.24	585.75
26 22 13 00-0094     EA    118 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	11,335.16	718.02
26 22 13 00-0095     EA    145 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	12,612.31	755.81
26 22 13 00-0096     EA    175 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	14,398.26	793.60
26 22 13 00-0097     EA    220 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	17,547.08	944.76
<b>26 22 13 00-0098</b> <b>480 Volt x 208Y/120 Volt, 2-2.5 Percent FCBN Taps</b> <small>(26 22 13 00-0056)</small>		
26 22 13 00-0099     EA    9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	2,158.75	311.77
26 22 13 00-0100     EA    15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	2,786.72	340.12
	<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	105.32
	<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	157.99
<b>26 22 13 00-0101</b> <b>480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 4-2.5 Percent FCBN Taps</b> <small>(26 22 13 00-0056)</small>		
26 22 13 00-0102     EA    30 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	3,145.31	415.70
	<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	115.70
	<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	173.54
	<i>For K4 Factor Rating, Add</i>	1,619.74
	<i>For K13 Factor Rating, Add</i>	2,313.92
	<i>For K20 Factor Rating, Add</i>	3,008.10
26 22 13 00-0103     EA    37.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	3,767.10	453.48
	<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	143.01
	<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	214.51
	<i>For K4 Factor Rating, Add</i>	2,002.09
	<i>For K13 Factor Rating, Add</i>	2,860.13
	<i>For K20 Factor Rating, Add</i>	3,718.17

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0104 EA 45 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry .....	3,949.24	491.28
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	148.33	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	222.50	
For K4 Factor Rating, Add	2,076.68	
For K13 Factor Rating, Add	2,966.69	
For K20 Factor Rating, Add	3,856.70	
26 22 13 00-0105 EA 50 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry .....	5,112.93	529.06
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	202.74	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	304.11	
For K4 Factor Rating, Add	2,838.36	
For K13 Factor Rating, Add	4,054.80	
For K20 Factor Rating, Add	5,271.24	
26 22 13 00-0106 EA 75 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry .....	5,070.31	566.86
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	196.83	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	295.25	
For K4 Factor Rating, Add	2,755.62	
For K13 Factor Rating, Add	3,936.60	
For K20 Factor Rating, Add	5,117.58	
26 22 13 00-0107 EA 112.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry .....	6,295.44	680.23
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	246.75	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	370.12	
For K4 Factor Rating, Add	3,454.49	
For K13 Factor Rating, Add	4,934.99	
For K20 Factor Rating, Add	6,415.49	
26 22 13 00-0108 EA 150 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry .....	8,093.17	755.81
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	329.08	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	493.62	
For K4 Factor Rating, Add	4,607.09	
For K13 Factor Rating, Add	6,581.56	
For K20 Factor Rating, Add	8,556.03	
26 22 13 00-0109 EA 225 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry .....	10,983.18	944.76
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	454.68	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	682.02	
For K4 Factor Rating, Add	6,365.56	
For K13 Factor Rating, Add	9,093.66	
For K20 Factor Rating, Add	11,821.76	
26 22 13 00-0110 EA 300 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry .....	13,400.22	1,171.51
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	552.86	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	829.29	
For K4 Factor Rating, Add	7,740.05	
For K13 Factor Rating, Add	11,057.22	
For K20 Factor Rating, Add	14,374.39	
26 22 13 00-0111 EA 500 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry .....	19,063.57	1,436.03
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	809.58	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,214.36	
For K4 Factor Rating, Add	11,334.05	
For K13 Factor Rating, Add	16,191.50	
For K20 Factor Rating, Add	21,048.95	
26 22 13 00-0112 EA 750 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry .....	42,971.50	1,706.28
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	1,974.74	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	2,962.11	
For K4 Factor Rating, Add	27,646.35	
For K13 Factor Rating, Add	39,494.78	
For K20 Factor Rating, Add	51,343.21	
26 22 13 00-0113 EA 1,000 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry .....	56,361.21	1,889.52
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	2,629.11	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	3,943.66	
For K4 Factor Rating, Add	36,807.52	
For K13 Factor Rating, Add	52,582.17	
For K20 Factor Rating, Add	68,356.82	
<b>26 22 13 00-0114 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 2-2.5 Percent FCBN</b>		
<b>Taps</b> <small>(26 22 13 00-0056)</small>		
26 22 13 00-0115 EA 6 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry .....	1,782.28	292.87
For K4 Factor Rating, Add	837.57	
For K13 Factor Rating, Add	1,196.53	
For K20 Factor Rating, Add	1,555.49	
26 22 13 00-0116 EA 9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry .....	2,158.75	311.77
For K4 Factor Rating, Add	1,074.65	
For K13 Factor Rating, Add	1,535.21	
For K20 Factor Rating, Add	1,995.77	
26 22 13 00-0117 EA 15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry .....	2,786.72	340.12
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	105.32	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	157.99	
For K4 Factor Rating, Add	1,474.54	
For K13 Factor Rating, Add	2,106.49	
For K20 Factor Rating, Add	2,738.44	
<b>26 22 13 00-0118 480 Volt x 480Y/277 Volt, 2-2.5 Percent FCAN And 4 Percent FCBN Taps</b>		
<small>(26 22 13 00-0056)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0119 EA 30 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	5,236.03	415.70
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	220.23	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	330.35	
For K4 Factor Rating, Add	3,083.25	
For K13 Factor Rating, Add	4,404.64	
For K20 Factor Rating, Add	5,726.03	
26 22 13 00-0120 EA 45 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	5,884.04	491.28
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	245.07	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	367.61	
For K4 Factor Rating, Add	3,431.04	
For K13 Factor Rating, Add	4,901.49	
For K20 Factor Rating, Add	6,371.94	
26 22 13 00-0121 EA 75 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	8,588.29	566.86
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	372.73	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	559.09	
For K4 Factor Rating, Add	5,218.21	
For K13 Factor Rating, Add	7,454.58	
For K20 Factor Rating, Add	9,690.95	
26 22 13 00-0122 EA 112.5 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	10,763.35	680.23
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	470.15	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	705.22	
For K4 Factor Rating, Add	6,582.03	
For K13 Factor Rating, Add	9,402.90	
For K20 Factor Rating, Add	12,223.77	
26 22 13 00-0123 EA 150 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	12,926.09	755.81
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	570.72	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	856.09	
For K4 Factor Rating, Add	7,990.14	
For K13 Factor Rating, Add	11,414.48	
For K20 Factor Rating, Add	14,838.82	
26 22 13 00-0124 EA 225 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	16,554.92	944.76
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	733.27	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,099.91	
For K4 Factor Rating, Add	10,265.78	
For K13 Factor Rating, Add	14,665.40	
For K20 Factor Rating, Add	19,065.02	
26 22 13 00-0125 EA 300 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	20,142.08	1,171.51
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	889.95	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,334.93	
For K4 Factor Rating, Add	12,459.36	
For K13 Factor Rating, Add	17,799.08	
For K20 Factor Rating, Add	23,138.80	
26 22 13 00-0126 EA 500 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	32,106.10	1,436.03
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	1,461.70	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	2,192.55	
For K4 Factor Rating, Add	20,463.82	
For K13 Factor Rating, Add	29,234.03	
For K20 Factor Rating, Add	38,004.24	
<b>26 22 13 00-0127 3 Phase 60 Hz K20 Dry Type Transformers (26 22 13 00-0056)</b>		
<b>26 22 13 00-0128 3 Phase 60 Hz K20 Dry Type Transformers, 115 C Rise (26 22 13 00-0127)</b>		
Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0129 EA 15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	2,617.38	340.12
26 22 13 00-0130 EA 30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	3,899.94	415.70
26 22 13 00-0131 EA 45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	5,655.16	491.28
26 22 13 00-0132 EA 75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	7,190.79	566.86
26 22 13 00-0133 EA 112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	10,703.80	680.23
26 22 13 00-0134 EA 150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	12,978.20	755.81
26 22 13 00-0135 EA 225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	15,131.36	944.76
26 22 13 00-0136 EA 300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	23,843.32	1,171.51
<b>26 22 13 00-0137 3 Phase 60 Hz K20 Dry Type Transformers, 80 C Rise (26 22 13 00-0127)</b>		
Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0138 EA 15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	3,006.30	340.12
26 22 13 00-0139 EA 30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	4,514.02	415.70
26 22 13 00-0140 EA 45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	6,589.30	491.28
26 22 13 00-0141 EA 75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	8,400.35	566.86
26 22 13 00-0142 EA 112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	12,572.10	680.23
26 22 13 00-0143 EA 150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	15,272.63	755.81
26 22 13 00-0144 EA 225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	17,779.36	944.76
26 22 13 00-0145 EA 300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20 .....	28,143.75	1,171.51
<b>26 22 13 00-0146 NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0056)</b>		
<b>26 22 13 00-0147 Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0146)</b>		
Note: Two taps at 2.5%, four at -2.5%.		
<b>26 22 13 00-0148 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0147)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0149 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	2,867.20	333.83
26 22 13 00-0150 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,496.99	408.02
26 22 13 00-0151 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,222.08	482.21
26 22 13 00-0152 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,728.74	556.39
26 22 13 00-0153 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	7,714.85	667.67
26 22 13 00-0154 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	9,655.71	741.86
26 22 13 00-0155 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	12,838.96	927.32
26 22 13 00-0156 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	18,176.14	1,149.88
<b>26 22 13 00-0157 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers</b> <small>(26 22 13 00-0147)</small>		
26 22 13 00-0158 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,528.98	333.83
26 22 13 00-0159 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,298.61	408.02
26 22 13 00-0160 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,199.59	482.21
26 22 13 00-0161 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	7,113.75	556.39
26 22 13 00-0162 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	9,144.39	667.67
26 22 13 00-0163 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	12,107.31	741.86
26 22 13 00-0164 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	16,134.47	927.32
26 22 13 00-0165 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	22,939.05	1,149.88
<b>26 22 13 00-0166 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers</b> <small>(26 22 13 00-0147)</small>		
26 22 13 00-0167 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,188.09	333.83
26 22 13 00-0168 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,102.45	408.02
26 22 13 00-0169 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	6,177.12	482.21
26 22 13 00-0170 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	8,496.53	556.39
26 22 13 00-0171 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	10,948.02	667.67
26 22 13 00-0172 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	14,558.91	741.86
26 22 13 00-0173 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	19,429.99	927.32
26 22 13 00-0174 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	27,701.96	1,149.88
<b>26 22 13 00-0175 Copper Windings, NEMA Premium Efficient Dry Type Transformers</b> <small>(26 22 13 00-0146)</small>		
Note: Two taps at 2.5%, four at -2.5%.		
<b>26 22 13 00-0176 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers</b> <small>(26 22 13 00-0175)</small>		
26 22 13 00-0177 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	3,967.64	333.83
26 22 13 00-0178 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	4,835.24	408.02
26 22 13 00-0179 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,849.79	482.21
26 22 13 00-0180 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	8,035.60	556.39
26 22 13 00-0181 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	10,974.73	667.67
26 22 13 00-0182 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	13,826.32	741.86
26 22 13 00-0183 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	18,443.56	927.32
26 22 13 00-0184 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	26,279.10	1,149.88



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Low-Voltage Electrical Distribution</b>	<b>26 20</b>	
<b>Low-Voltage Transformers</b>	<b>26 22</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 22 13 00-0185</b> 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0175)</small>		
26 22 13 00-0186 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	4,626.75	333.83
26 22 13 00-0187 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,639.09	408.02
26 22 13 00-0188 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,827.32	482.21
26 22 13 00-0189 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	9,420.61	556.39
26 22 13 00-0190 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	14,484.02	667.67
26 22 13 00-0191 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	18,337.61	741.86
26 22 13 00-0192 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	23,422.47	927.32
26 22 13 00-0193 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	35,072.34	1,149.88
<b>26 22 13 00-0194</b> 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0175)</small>		
26 22 13 00-0195 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,288.07	333.83
26 22 13 00-0196 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,442.92	408.02
26 22 13 00-0197 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	7,804.83	482.21
26 22 13 00-0198 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	10,803.39	556.39
26 22 13 00-0199 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	17,303.03	667.67
26 22 13 00-0200 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	22,428.07	741.86
26 22 13 00-0201 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	28,399.14	927.32
26 22 13 00-0202 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	42,095.35	1,149.88
<b>26 22 13 00-0203</b> 3 Phase Weathershields <small>(26 22 13 00-0056)</small>		
Note: Use with type DT-3 and DS-3.		
26 22 13 00-0204 EA 45-112.5 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2.....	511.74	
26 22 13 00-0205 EA 150-300 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2.....	869.02	
26 22 13 00-0206 EA 500-1,000 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2.....	869.02	
<b>26 22 13 00-0207</b> Three Phase Mounting Brackets <small>(26 22 13 00-0056)</small>		
26 22 13 00-0208 EA 3 Phase Mounting Brackets (Set Of 2) For Transformers Up To 112.5 KVA.....	541.51	134.17
<b>26 22 13 00-0209</b> Pad Mounted Commercial Type Distribution Transformers UL Listed <small>(26 22 13)</small>		
<b>26 22 13 00-0210</b> Distribution 3 Phase Oil Filled Transformer <small>(26 22 13 00-0209)</small>		
Note: Designed for loads as shopping centers, institutions, and industrial plants with underground distribution. KVA-75 thru 1000, 3 phase 95 thru 150 KV BIL standard features. With taps 4-1/2 percent below - 2-1/2 percent above and below.		
<b>26 22 13 00-0211</b> Primary 4.16 / 4.8 KV, Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 95 KV BIL <small>(26 22 13 00-0210)</small>		
Note: Rated to 5 KVA.		
26 22 13 00-0212 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	13,371.42	890.23
26 22 13 00-0213 EA 112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	15,129.73	890.23
26 22 13 00-0214 EA 150 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	17,632.48	1,535.64
26 22 13 00-0215 EA 225 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	20,884.24	1,535.64
26 22 13 00-0216 EA 300 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	23,964.80	2,299.76
26 22 13 00-0217 EA 500 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	32,534.71	3,041.62
26 22 13 00-0218 EA 750 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	42,881.55	3,857.66
26 22 13 00-0219 EA 1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	50,027.75	4,673.71
<b>26 22 13 00-0220</b> Primary 4.16 / 4.8 KV, Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 95 BIL <small>(26 22 13 00-0210)</small>		
Note: Rated to 5 KVA.		





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22	13 00-0221	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	13,371.42	890.23
26 22	13 00-0222	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	15,129.73	890.23
26 22	13 00-0223	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	17,632.48	1,535.64
26 22	13 00-0224	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	20,973.36	1,535.64
26 22	13 00-0225	EA	300 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	24,199.22	2,299.76
26 22	13 00-0226	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	32,590.18	3,041.62
26 22	13 00-0227	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	47,568.05	3,857.66
26 22	13 00-0228	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	51,029.37	4,673.71
26 22	13 00-0229		<b>Factory Modifications</b> <small>(26 22 13 00-0210)</small> Note: For use with series 4100 3 phase transformers.		
26 22	13 00-0230	EA	Current Limiting Fuse 95 KV Series 4100, 3 Phase Transformer, Factory Modification .....	937.69	
26 22	13 00-0231	EA	Lightning Arrestors 9-10 KV Series 4100, 3 Phase Transformer, Factory Modification .....	152.48	
26 22	13 00-0232	EA	Loadbreaker Oil Switch, 2 Position Series 4100, 3 Phase Transformer, Factory Modification .....	609.91	
26 22	13 00-0233	EA	Loop Feed Air Switch Series 4100, 3 Phase Transformer, Factory Modification .....	1,757.19	
26 22	13 00-0234	EA	Loadbreaker Inserts Series 4100, 3 Phase Transformer, Factory Modification .....	215.26	
26 22	13 00-0235	EA	Lightning Arrestors, 15 KV Series 4100, 3 Phase Transformer, Factory Modification .....	170.42	
26 22	13 00-0236		<b>Accessories For Transformer Liquid Containment Area</b> <small>(26 22 13 00-0210)</small> Note: Reinforced concrete curb with 6" slab.		
26 22	13 00-0237	EA	Containment Area For 75 KVA..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,912.66 612.79	919.17
26 22	13 00-0238	EA	Containment Area For 112.5 KVA..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,912.66 612.79	919.17
26 22	13 00-0239	EA	Containment Area For 150 KVA..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,912.66 612.79	919.17
26 22	13 00-0240	EA	Containment Area For 225 KVA..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,912.66 612.79	919.17
26 22	13 00-0241	EA	Containment Area For 300 KVA..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,909.36 611.80	919.17
26 22	13 00-0242	EA	Containment Area For 500 KVA..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,909.36 611.80	919.17
26 22	13 00-0243	EA	Containment Area For 750 KVA..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,934.48 611.80	919.17
26 22	13 00-0244	EA	Containment Area For 1,000 KVA..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,298.63 611.80	919.17
26 22	13 00-0245		<b>Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 95 KV BIL</b> <small>(26 22 13 00-0210)</small> Note: Rated to 5 KVA.		
26 22	13 00-0246	EA	45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	6,225.43	890.23
26 22	13 00-0247	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	6,763.59	890.23
26 22	13 00-0248	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	7,122.36	890.23
26 22	13 00-0249	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	8,198.68	890.23
26 22	13 00-0250	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	8,975.85	1,335.35
26 22	13 00-0251	EA	300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	9,334.63	1,335.35
26 22	13 00-0252	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	13,639.89	1,335.35
26 22	13 00-0253	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	17,473.67	1,780.46
26 22	13 00-0254	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	22,137.71	1,780.46
26 22	13 00-0255		<b>Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 95 BIL</b> <small>(26 22 13 00-0210)</small> Note: Rated to 5 KVA.		
26 22	13 00-0256	EA	45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	6,404.82	890.23
26 22	13 00-0257	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	7,122.36	890.23
26 22	13 00-0258	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	7,301.75	890.23
26 22	13 00-0259	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted .....	7,481.13	890.23



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0260 EA 225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	8,975.85	1,335.35
26 22 13 00-0261 EA 300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	9,693.40	1,335.35
26 22 13 00-0262 EA 500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	13,639.89	1,335.35
26 22 13 00-0263 EA 750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	17,653.06	1,780.46
26 22 13 00-0264 EA 1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	22,137.71	1,780.46
<b>26 22 13 00-0265 Primary 5 KV Or 15 KV, Secondary 277/480 Volt</b> <small>(26 22 13 00-0209)</small>		
<small>Note: 4-2.5 Percent taps FCAN and FCBN. Pad mounted.</small>		
26 22 13 00-0266 EA 150 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase .....	10,561.67	1,198.52
26 22 13 00-0267 EA 225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase .....	11,675.42	1,414.88
26 22 13 00-0268 EA 300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase .....	13,299.13	1,729.30
26 22 13 00-0269 EA 500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase .....	15,694.93	1,945.65
26 22 13 00-0270 EA 750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase .....	18,828.45	2,048.00
26 22 13 00-0271 EA 1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase .....	23,470.18	2,992.42
26 22 13 00-0272 EA 1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase .....	27,404.23	3,385.44
26 22 13 00-0273 EA 2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase .....	33,874.82	3,891.31
26 22 13 00-0274 EA 2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase .....	37,152.02	4,085.88
26 22 13 00-0275 EA 3,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase .....	39,550.99	4,552.99
26 22 13 00-0276 EA 3,750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase .....	44,961.62	4,864.30
<b>26 22 13 00-0277 Pad Mounted Transformer 15 KV - 480 Volt, Oil Filled</b> <small>(26 22 13 00-0209)</small>		
26 22 13 00-0278 EA 1,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	40,183.70	3,306.10
26 22 13 00-0279 EA 2,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	49,295.93	3,802.02
26 22 13 00-0280 EA 2,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	55,870.39	4,002.10
26 22 13 00-0281 EA 3,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	59,467.57	4,472.96
26 22 13 00-0282 EA 3,750 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	66,440.13	4,608.50
<b>26 22 13 00-0283 Silicone Filled Distribution Transformers, 3 Phase</b> <small>(26 22 13 00-0209)</small>		
<small>Note: Primary 5 KV or 15 KV, secondary 277/480 V, 4-2.5 percent taps FCAN and FCBN. Pad mounted.</small>		
26 22 13 00-0284 EA 225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase .....	17,360.64	1,414.88
26 22 13 00-0285 EA 300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase .....	18,915.67	1,729.30
26 22 13 00-0286 EA 500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase .....	22,063.72	1,945.65
26 22 13 00-0287 EA 750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase .....	26,325.63	2,048.00
26 22 13 00-0288 EA 1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase .....	32,273.23	2,992.42
26 22 13 00-0289 EA 1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase .....	40,450.33	3,385.44
26 22 13 00-0290 EA 2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase .....	48,945.25	3,891.31
26 22 13 00-0291 EA 2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase .....	55,500.45	4,085.88
<b>26 22 13 00-0292 Foam Core Poly Transformer Pads</b> <small>(26 22 13)</small>		
26 22 13 00-0293 EA Single Phase Foam Core Poly Pads.....	154.73	25.27
<small>Note: Excludes site prep.</small>		
<b>26 24 Switchboards And Panelboards</b> <small>(26 24)</small>		
<b>26 24 13 Switchboards</b> <small>(26 24)</small>		
<small>Note: Installation of free-standing building distribution switchboards. Switchboard sections to be mounted on 4" concrete pad. Includes material, handling, unloading at job site, assembly and installation, wiring connections, testing and cleanup. Exclude concrete pad and foundation.</small>		
26 24 13 00-0001 <b>Fusible Switch Type 240 Volt, 3 Phase, 3 Wire</b> <small>(26 24 13)</small>		
26 24 13 00-0002 <b>Incoming Service Section Main Device Only</b> <small>(26 24 13 00-0001)</small>		
<small>Note: Copper bus, non-metering type, with fuses.</small>		
26 24 13 00-0003 EA 400 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire.....	3,235.68	641.83
26 24 13 00-0004 EA 600 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire.....	3,612.78	678.89
26 24 13 00-0005 EA 800 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire.....	6,169.19	770.10
26 24 13 00-0006 EA 1,200 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire.....	6,649.57	825.58
26 24 13 00-0007 EA 1,600 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire.....	11,123.96	880.23
26 24 13 00-0008 EA 2,000 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire.....	12,452.91	935.94
26 24 13 00-0009 EA 400 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	4,055.74	641.83
26 24 13 00-0010 EA 600 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	5,341.07	678.89
26 24 13 00-0011 EA 800 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	7,624.68	770.76
26 24 13 00-0012 EA 1,200 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	10,663.40	825.58
26 24 13 00-0013 EA 1,600 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	11,123.96	881.12
26 24 13 00-0014 EA 2,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	12,452.91	935.94
26 24 13 00-0015 EA 2,500 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	15,118.76	978.49
26 24 13 00-0016 EA 3,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	17,192.13	1,048.27
26 24 13 00-0017 EA 4,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	20,408.31	1,130.02
26 24 13 00-0018 EA 400 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	2,059.27	568.68
26 24 13 00-0019 EA 600 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	2,301.40	605.44
26 24 13 00-0020 EA 800 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	2,632.31	696.94
26 24 13 00-0021 EA 1,000 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	2,859.84	726.22

<b>26</b>	<b>Electrical</b>
<b>26 20</b>	<b>Low-Voltage Electrical Distribution</b>
<b>26 24</b>	<b>Switchboards And Panelboards</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0022 EA 1,200 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	3,068.92	752.41
26 24 13 00-0023 EA 1,600 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	3,382.37	806.72
26 24 13 00-0024 EA 2,000 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	3,661.83	862.04
<b>26 24 13 00-0025 Branch Breaker Units</b> (26 24 13 00-0001)		
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0026 EA 15 - 60 Amp MC Branch Breaker, 240 Volt.....	310.91	22.38
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.43	
26 24 13 00-0027 EA 70 - 100 Amp MC Branch Breaker, 240 Volt.....	453.03	35.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.13	
26 24 13 00-0028 EA 125 - 225 Amp MC Branch Breaker, 240 Volt.....	1,247.88	64.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.52	
26 24 13 00-0029 EA 100 - 400 Amp MC Branch Breaker, 240 Volt.....	2,246.58	83.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.19	
26 24 13 00-0030 EA 300 - 600 Amp MC Branch Breaker, 240 Volt.....	3,943.96	205.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	123.26	
26 24 13 00-0031 EA 400 - 800 Amp MC Branch Breaker, 240 Volt.....	6,440.75	205.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	123.26	
26 24 13 00-0032 EA 600 - 1,200 Amp MC Branch Breaker, 240 Volt.....	10,408.43	366.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	219.69	
<b>26 24 13 00-0033 Fusible Switch Type 480 Volt, 3 Phase, 3 Wire</b> (26 24 13)		
<b>26 24 13 00-0034 Incoming Service Section Main Device Only</b> (26 24 13 00-0033)		
Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0035 EA 400 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire.....	4,611.06	832.84
26 24 13 00-0036 EA 600 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire.....	5,195.46	832.84
26 24 13 00-0037 EA 800 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire.....	8,053.27	1,082.32
26 24 13 00-0038 EA 1,200 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire.....	9,190.43	1,082.32
<b>26 24 13 00-0039 Fusible Switch Type 120/240 Volt, 1 Phase, 3 Wire</b> (26 24 13)		
<b>26 24 13 00-0040 Incoming Service Section Main Device Only</b> (26 24 13 00-0039)		
Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0041 EA 200/400 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,920.47	568.68
26 24 13 00-0042 EA 600 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,280.15	605.44
26 24 13 00-0043 EA 800 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire.....	5,261.41	696.94
26 24 13 00-0044 EA 1,200 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire.....	5,722.08	751.83
26 24 13 00-0045 EA 200/400 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,698.95	568.68
26 24 13 00-0046 EA 600 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	4,787.21	605.44
26 24 13 00-0047 EA 800 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	6,878.25	696.94
26 24 13 00-0048 EA 1,200 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	10,131.81	751.83
26 24 13 00-0049 EA 2,000 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	11,934.30	843.84
26 24 13 00-0050 EA 200/400 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	1,945.32	495.22
26 24 13 00-0051 EA 600 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,203.50	532.06
26 24 13 00-0052 EA 800 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,587.79	623.57
26 24 13 00-0053 EA 1,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,804.39	652.84
26 24 13 00-0054 EA 1,200 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,016.27	678.89
26 24 13 00-0055 EA 1,600 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,283.88	726.22
26 24 13 00-0056 EA 2,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,548.00	770.10
26 24 13 00-0057 EA 2,500 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	4,406.82	953.91
26 24 13 00-0058 EA 3,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	4,954.46	1,045.63
26 24 13 00-0059 EA 4,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	5,934.40	1,128.18
<b>26 24 13 00-0060 Branch Breaker Units</b> (26 24 13 00-0039)		
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 2 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0061 EA 15 - 60 Amp MC Branch Breaker, 120 / 240 Volt.....	159.65	19.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.67	
26 24 13 00-0062 EA 70 - 100 Amp MC Branch Breaker, 120 / 240 Volt.....	252.20	32.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.37	
26 24 13 00-0063 EA 125 - 225 Amp MC Branch Breaker, 120 / 240 Volt.....	822.17	45.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.08	
26 24 13 00-0064 EA 100 - 400 Amp MC Branch Breaker, 120 / 240 Volt.....	2,436.40	57.97
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.78	
26 24 13 00-0065 EA 300 - 600 Amp MC Branch Breaker, 120 / 240 Volt.....	3,787.31	141.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	84.74	
26 24 13 00-0066 EA 400 - 800 Amp MC Branch Breaker, 120 / 240 Volt.....	5,444.08	141.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	84.74	
26 24 13 00-0067 EA 600 - 1,200 Amp MC Branch Breaker, 120 / 240 Volt.....	8,939.66	269.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	161.81	
<b>26 24 13 00-0068 Fusible Switch Type 120/208 Volt, 3 Phase, 4 Wire</b> (26 24 13)		
<b>26 24 13 00-0069 Incoming Service Section Main Device Only</b> (26 24 13 00-0068)		
Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0070 EA 400 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,236.58	641.83



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0071 EA 600 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire .....	3,611.78	678.89
26 24 13 00-0072 EA 800 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire .....	6,167.89	770.10
26 24 13 00-0073 EA 1,200 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire .....	6,648.08	825.58
26 24 13 00-0074 EA 1,600 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire .....	11,120.57	880.23
26 24 13 00-0075 EA 2,000 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire .....	12,452.90	935.94
26 24 13 00-0076 EA 400 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire .....	4,056.64	641.83
26 24 13 00-0077 EA 600 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire .....	5,340.07	678.89
26 24 13 00-0078 EA 800 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire .....	7,624.68	770.76
26 24 13 00-0079 EA 1,200 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire .....	10,661.91	825.58
26 24 13 00-0080 EA 1,600 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire .....	11,122.26	881.12
26 24 13 00-0081 EA 2,000 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire .....	12,452.90	935.94
26 24 13 00-0082 EA 400 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire .....	2,190.23	568.68
26 24 13 00-0083 EA 600 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire .....	2,480.04	605.44
26 24 13 00-0084 EA 800 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire .....	2,901.01	696.94
26 24 13 00-0085 EA 1,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire .....	3,145.81	726.22
26 24 13 00-0086 EA 1,200 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire .....	3,384.54	752.41
26 24 13 00-0087 EA 1,600 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire .....	3,684.37	806.72
26 24 13 00-0088 EA 2,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire .....	3,988.02	862.04
26 24 13 00-0089 EA 2,500 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire .....	4,778.77	979.60
26 24 13 00-0090 EA 3,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire .....	5,324.46	1,048.20
26 24 13 00-0091 EA 4,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire .....	6,400.93	1,126.35

## 26 24 13 00-0092

**Branch Breaker Units** (26 24 13 00-0068)

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 120/208 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0093 EA 15 - 60 Amp MC Branch Breaker, 120/208 Volt .....	310.91	22.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.43	
26 24 13 00-0094 EA 70 - 100 Amp MC Branch Breaker, 120/208 Volt .....	453.03	35.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.13	
26 24 13 00-0095 EA 125 - 225 Amp MC Branch Breaker, 120/208 Volt .....	1,247.88	64.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.52	
26 24 13 00-0096 EA 100 - 400 Amp MC Branch Breaker, 120/208 Volt .....	2,246.58	83.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.19	
26 24 13 00-0097 EA 300 - 600 Amp MC Branch Breaker, 120/208 Volt .....	3,943.96	205.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.26	
26 24 13 00-0098 EA 400 - 800 Amp MC Branch Breaker, 120/208 Volt .....	6,440.75	205.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.26	
26 24 13 00-0099 EA 600 - 1,200 Amp MC Branch Breaker, 120/208 Volt .....	10,408.43	366.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	219.69	

## 26 24 13 00-0100

**Fusible Switch Type 277/480 Volt, 3 Phase, 4 Wire** (26 24 13)

## 26 24 13 00-0101

**Incoming Service Section Main Device Only** (26 24 13 00-0100)

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0102 EA 400 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire .....	4,145.85	880.23
26 24 13 00-0103 EA 600 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire .....	4,581.59	935.94
26 24 13 00-0104 EA 800 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire .....	6,811.79	1,044.68
26 24 13 00-0105 EA 1,200 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire .....	7,470.24	1,118.57
26 24 13 00-0106 EA 400 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire .....	5,538.13	880.23
26 24 13 00-0107 EA 600 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire .....	7,702.17	935.94
26 24 13 00-0108 EA 800 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire .....	8,742.09	1,045.85
26 24 13 00-0109 EA 1,200 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire .....	11,247.87	1,118.57
26 24 13 00-0110 EA 1,600 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire .....	11,745.56	1,192.76
26 24 13 00-0111 EA 2,000 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire .....	13,114.78	1,266.86
26 24 13 00-0112 EA 400 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire .....	2,190.23	568.68
26 24 13 00-0113 EA 600 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire .....	2,480.04	605.44
26 24 13 00-0114 EA 800 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire .....	2,901.01	696.94
26 24 13 00-0115 EA 1,000 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire .....	3,145.81	726.22
26 24 13 00-0116 EA 1,200 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire .....	3,384.54	752.41
26 24 13 00-0117 EA 1,600 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire .....	3,684.37	806.72
26 24 13 00-0118 EA 2,000 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire .....	3,988.02	862.04

## 26 24 13 00-0119

**Branch Breaker Units** (26 24 13 00-0100)

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 480 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0120 EA 15 - 60 Amp MC Branch Breaker, 480 / 277 Volt .....	668.54	22.38
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.43	
26 24 13 00-0121 EA 70 - 100 Amp MC Branch Breaker, 480 / 277 Volt .....	760.76	35.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.13	
26 24 13 00-0122 EA 125 - 225 Amp MC Branch Breaker, 480 / 277 Volt .....	1,379.29	64.20
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.52	
26 24 13 00-0123 EA 100 - 400 Amp MC Branch Breaker, 480 / 277 Volt .....	2,246.58	83.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.19	
26 24 13 00-0124 EA 300 - 600 Amp MC Branch Breaker, 480 / 277 Volt .....	5,377.83	205.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.26	
26 24 13 00-0125 EA 400 - 800 Amp MC Branch Breaker, 480 / 277 Volt .....	5,505.91	205.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.26	
26 24 13 00-0126 EA 600 - 1,200 Amp MC Branch Breaker, 480 / 277 Volt .....	8,796.58	366.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	219.69	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 24 13 00-0127 Fusible Branch Circuit Switch</b> <small>(26 24 13)</small> Note: Includes switch fuses, and portion of distribution section occupied by that branch device.		
<b>26 24 13 00-0128 240 Volt, 2 Pole Twin Branch Switch Units</b> <small>(26 24 13 00-0127)</small>		
26 24 13 00-0129 EA 30/30 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	652.78	57.61
For Electrical Interlock Kit, Add	290.80	
26 24 13 00-0130 EA 30/60 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	650.29	57.61
For Electrical Interlock Kit, Add	290.80	
26 24 13 00-0131 EA 60/60 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	650.29	57.61
For Electrical Interlock Kit, Add	290.80	
26 24 13 00-0132 EA 60/100 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	1,035.68	75.94
For Electrical Interlock Kit, Add	290.80	
26 24 13 00-0133 EA 100/100 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	1,035.68	75.94
For Electrical Interlock Kit, Add	290.80	
<b>26 24 13 00-0134 240 Volt, 2 Pole Single Branch Switch Units</b> <small>(26 24 13 00-0127)</small>		
26 24 13 00-0135 EA 100 Amp, 240 Volt, 2 Pole Single Branch Switch Unit.....	756.50	56.50
For Electrical Interlock Kit, Add	278.58	
26 24 13 00-0136 EA 200 Amp, 240 Volt, 2 Pole Single Branch Switch Unit.....	1,130.06	56.50
For Electrical Interlock Kit, Add	278.58	
26 24 13 00-0137 EA 400 Amp, 240 Volt, 2 Pole Single Branch Switch Unit.....	2,897.25	152.25
<b>26 24 13 00-0138 240 Volt, 3 Pole Twin Branch Switch Units</b> <small>(26 24 13 00-0127)</small>		
26 24 13 00-0139 EA 30/30 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit.....	845.79	64.94
For Electrical Interlock Kit, Add	290.80	
26 24 13 00-0140 EA 30/60 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit.....	843.31	64.94
For Electrical Interlock Kit, Add	290.80	
26 24 13 00-0141 EA 60/60 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit.....	843.31	64.94
For Electrical Interlock Kit, Add	290.80	
26 24 13 00-0142 EA 60/100 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit.....	1,281.68	86.95
For Electrical Interlock Kit, Add	290.80	
26 24 13 00-0143 EA 100/100 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit.....	1,281.68	86.95
For Electrical Interlock Kit, Add	290.80	
<b>26 24 13 00-0144 240 Volt, 3 Pole Single Branch Switch Units</b> <small>(26 24 13 00-0127)</small>		
26 24 13 00-0145 EA 100 Amp, 240 Volt, 3 Pole Single Branch Switch Unit.....	921.04	63.84
For Electrical Interlock Kit, Add	290.80	
26 24 13 00-0146 EA 200 Amp, 240 Volt, 3 Pole Single Branch Switch Unit.....	1,530.00	63.84
For Electrical Interlock Kit, Add	278.58	
26 24 13 00-0147 EA 400 Amp, 240 Volt, 3 Pole Single Branch Switch Unit.....	3,915.25	170.46
26 24 13 00-0148 EA 600 Amp, 240 Volt, 3 Pole Single Branch Switch Unit.....	5,617.35	218.37
26 24 13 00-0149 EA 800 Amp, 240 Volt, 3 Pole Single Branch Switch Unit.....	10,570.90	295.86
<b>26 24 13 00-0150 600 Volt, 3 Pole Twin Branch Switch Units</b> <small>(26 24 13 00-0127)</small>		
26 24 13 00-0151 EA 30/30 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,222.89	64.94
For Electrical Interlock Kit, Add	290.80	
26 24 13 00-0152 EA 30/60 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,220.37	64.94
For Electrical Interlock Kit, Add	290.80	
26 24 13 00-0153 EA 60/60 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,222.89	64.94
For Electrical Interlock Kit, Add	290.80	
26 24 13 00-0154 EA 60/100 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,850.65	86.95
For Electrical Interlock Kit, Add	290.80	
26 24 13 00-0155 EA 100/100 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,892.76	86.95
For Electrical Interlock Kit, Add	290.80	
26 24 13 00-0156 EA 200/200 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit.....	4,104.71	113.74
For Electrical Interlock Kit, Add	290.80	
<b>26 24 13 00-0157 600 Volt, 3 Pole, Single Branch Switch Units</b> <small>(26 24 13 00-0127)</small>		
26 24 13 00-0158 EA 100 Amp, 600 Volt, 3 Pole Single Branch Switch Unit.....	1,327.18	63.84
For Electrical Interlock Kit, Add	290.80	
26 24 13 00-0159 EA 200 Amp, 600 Volt, 3 Pole Single Branch Switch Unit.....	2,045.62	63.84
For Electrical Interlock Kit, Add	278.58	
26 24 13 00-0160 EA 400 Amp, 600 Volt, 3 Pole Single Branch Switch Unit.....	4,961.14	170.46
For Electrical Interlock Kit, Add	278.58	
26 24 13 00-0161 EA 600 Amp, 600 Volt, 3 Pole Single Branch Switch Unit.....	6,013.23	218.37
26 24 13 00-0162 EA 800 Amp, 600 Volt, 3 Pole Single Branch Switch Unit.....	10,570.90	295.86
<b>26 24 13 00-0163 Service And Distribution Structures</b> <small>(26 24 13)</small>		
<b>26 24 13 00-0164 Distribution Section 600 Volts, 250 Volts DC</b> <small>(26 24 13 00-0163)</small>		
<b>26 24 13 00-0165 600 Amp Main Bus, 4 Wire</b> <small>(26 24 13 00-0164)</small>		
26 24 13 00-0166 EA 14 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	1,940.92	675.08
26 24 13 00-0167 EA 24 - 30 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	2,365.47	675.08
26 24 13 00-0168 EA 34 - 38 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	2,633.16	858.52



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0169 EA 42 - 48 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	2,870.21	858.52
<b>26 24 13 00-0170 800 Amp Main Bus, 4 Wire (26 24 13 00-0164)</b>		
26 24 13 00-0171 EA 14 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	2,156.65	781.48
26 24 13 00-0172 EA 24 - 30 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	2,571.82	781.48
26 24 13 00-0173 EA 34 - 38 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	2,870.21	968.59
26 24 13 00-0174 EA 42 - 48 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,083.17	968.59
<b>26 24 13 00-0175 1,200 Amp Main Bus, 4 Wire (26 24 13 00-0164)</b>		
26 24 13 00-0176 EA 14 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	2,490.54	953.91
26 24 13 00-0177 EA 24 - 30 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	2,913.73	953.91
26 24 13 00-0178 EA 34 - 38 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,228.76	1,174.05
26 24 13 00-0179 EA 42 - 48 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,540.74	1,174.05
<b>26 24 13 00-0180 1,600 Amp Main Bus, 4 Wire (26 24 13 00-0164)</b>		
26 24 13 00-0181 EA 14 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,218.42	1,045.63
26 24 13 00-0182 EA 24 - 30 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,705.74	1,045.63
26 24 13 00-0183 EA 34 - 38 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	4,074.69	1,291.44
26 24 13 00-0184 EA 42 - 48 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	4,346.46	1,291.44
<b>26 24 13 00-0185 2,000 Amp Main Bus, 4 Wire (26 24 13 00-0164)</b>		
26 24 13 00-0186 EA 14 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,354.45	1,049.30
26 24 13 00-0187 EA 24 - 30 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,873.72	1,181.38
26 24 13 00-0188 EA 34 - 38 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	3,980.61	1,181.38
26 24 13 00-0189 EA 42 - 48 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	4,124.61	1,247.42
<b>26 24 13 00-0190 3,000 Amp Main Bus, 4 Wire (26 24 13 00-0164)</b>		
26 24 13 00-0191 EA 24 - 30 Watt Distribution Section, 3,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	4,889.91	1,181.38
26 24 13 00-0192 EA 34 - 38 Watt Distribution Section, 3,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	4,995.20	1,181.38
26 24 13 00-0193 EA 42 - 48 Watt Distribution Section, 3,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	5,139.20	1,247.42
<b>26 24 13 00-0194 4,000 Amp Main Bus, 4 Wire (26 24 13 00-0164)</b>		
26 24 13 00-0195 EA 24 - 30 Watt Distribution Section, 4,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	4,983.99	1,247.42
26 24 13 00-0196 EA 34 - 38 Watt Distribution Section, 4,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	5,139.20	1,247.42
26 24 13 00-0197 EA 42 - 48 Watt Distribution Section, 4,000 Amp Main Bus, 4 Wire, 600 Volt AC, 250 Volt DC.....	5,191.20	1,247.42
<b>26 24 13 00-0198 Pull Boy, Horizontal Mounted Across Top Of Switch Board (26 24 13 00-0164)</b>		
26 24 13 00-0199 EA 18 - 24" Wide, 30" High, Open Bottom, Pull Boy Horizontal Mounted, Top Of Switchboard.....	466.59	88.05
26 24 13 00-0200 EA Drilled Bottom .....	524.91	88.05
26 24 13 00-0201 EA Cable Supports In Pull Box.....	200.29	22.02
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.23	
<b>26 24 13 00-0202 Underground Pull Sections (26 24 13 00-0164)</b>		
Note: Excludes no bus or terminal.		
26 24 13 00-0203 EA 12 - 20" Wide, 15 - 20" Deep Underground Pull Section Without Bus Or Terminal .....	438.76	102.73
26 24 13 00-0204 EA 24 - 28" Wide, 20" Deep Underground Pull Section Without Bus Or Terminal.....	789.16	132.08
26 24 13 00-0205 EA 24 - 28" Wide, 30" Deep Underground Pull Section Without Bus Or Terminal.....	789.16	132.08
26 24 13 00-0206 EA 14 - 20" Wide, 36" Deep Underground Pull Section Without Bus Or Terminal.....	580.18	102.73
26 24 13 00-0207 EA 28 - 30" Wide, 36" Deep Underground Pull Section Without Bus Or Terminal.....	849.42	150.42
26 24 13 00-0208 EA 14 - 20" Wide, 42 - 60" Deep Underground Pull Section Without Bus Or Terminal .....	961.74	150.42
26 24 13 00-0209 EA 26 - 30" Wide, 42 - 60" Deep Underground Pull Section Without Bus Or Terminal .....	998.18	194.45
26 24 13 00-0210 EA 38" Wide, 42 - 60" Deep Underground Pull Section Without Bus Or Terminal.....	1,042.57	194.45
<b>26 24 13 00-0211 Switchboard Sections (26 24 13 00-0163)</b>		
26 24 13 00-0212 EA 600 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	3,665.54	611.46
26 24 13 00-0213 EA 800 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	4,019.69	664.65
26 24 13 00-0214 EA 1,200 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	5,026.12	849.28
26 24 13 00-0215 EA 1,600 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	5,499.15	926.46
26 24 13 00-0216 EA 2,000 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	5,866.50	986.27
26 24 13 00-0217 EA 400 Amp Switchboard Incoming For Switch Circuit Section 480 Volt .....	4,541.95	536.40
26 24 13 00-0218 EA Distribution Section Subfeeder Lug-Rated At 200 Amp .....	2,392.65	509.54
26 24 13 00-0219 EA Distribution Section Subfeeder Lug-Rated At 400 Amp .....	2,662.66	552.54
26 24 13 00-0220 EA Distribution Section Aluminum Bus 120/208 Or 277/480 Volt, 4 Wire.....	4,186.24	611.46
26 24 13 00-0221 EA 800 Amp Switchboard Distribution Section Aluminum Bus Less Breaker.....	4,503.25	613.07
26 24 13 00-0222 EA 1,000 Amp Switchboard Distribution Section Aluminum Bus Less Breaker.....	4,947.89	684.47
26 24 13 00-0223 EA 15 To 60 Amp, 240 Volt, 1 Phase, Feed Section Circuit Breaker FA Frame.....	125.67	36.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.41	
26 24 13 00-0224 EA 70 To 100 Amp, 240 Volt, 3 Phase, Feed Section Circuit Breaker FA Frame.....	154.77	37.34
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.47	
26 24 13 00-0225 EA 70 To 225 Amp, 480 Volt, 3 Phase, Feed Section Circuit Breaker KA Frame .....	820.20	44.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.03	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0226	EA		125 To 400 Amp, 480 Volt, 3 Phase, Feed Section Circuit Breaker LA Frame.....	1,383.34	95.02
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.41	
26 24 13 00-0227	EA		100 Amp, Switchboard Feed Section Branch Circuit Breaker, 240 Volt HIC 3 Phase.....	528.10	132.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.86	
26 24 13 00-0228	EA		225 Amp, Switchboard Feed Section Branch Circuit Breaker, 240 Volt HIC 3 Phase.....	1,606.09	76.46
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.03	
<b>26 24 13 00-0229</b>			<b>Switchboard, Structure Per Section Copper, 480 Volt</b> (26 24 13 00-0163)		
26 24 13 00-0230	EA		225 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	1,898.78	318.45
26 24 13 00-0231	EA		400 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	2,722.23	430.65
26 24 13 00-0232	EA		600 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	3,015.05	524.13
26 24 13 00-0233	EA		800 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	3,733.28	733.77
26 24 13 00-0234	EA		1,200 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	4,618.65	917.22
26 24 13 00-0235	EA		1,600 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	5,179.46	917.22
26 24 13 00-0236	EA		2,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	6,308.10	1,222.98
26 24 13 00-0237	EA		2,500 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	7,383.43	1,222.98
26 24 13 00-0238	EA		3,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	8,665.40	1,455.89
26 24 13 00-0239	EA		4,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	10,644.11	1,455.89
<b>26 24 13 00-0240</b>			<b>Main Devices</b> (26 24 13)		
<b>26 24 13 00-0241</b>			<b>Power Circuit Breakers</b> (26 24 13 00-0240)		
<b>26 24 13 00-0242</b>			<b>DSL Breaker With Current Limiters And Amptector</b> (26 24 13 00-0241)		
			Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0243	EA		50 - 800 Amp DSL-206, Main Breaker With Current Limiter, Amptector Static Trip.....	6,996.67	770.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	461.30	
26 24 13 00-0244	EA		50 - 1,600 Amp DSL-416, Main Breaker With Current Limiter, Amptector Static Trip.....	12,882.25	1,284.11
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	769.70	
26 24 13 00-0245	EA		1,200 - 3,200 Amp DSL-632, Main Breaker With Current Limiter, Amptector Static Trip.....	29,733.35	2,157.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,282.83	
26 24 13 00-0246	EA		4,000 Amp DSL-840, Main Breaker With Current Limiter, Amptector Static Trip.....	47,792.72	3,492.78
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,133.07	
26 24 13 00-0247	EA		Ground-Fault Trip All Power Breakers - Factory Installed.....	2,692.81	
26 24 13 00-0248	EA		Key Interlock All Power Breakers - Factory Installed.....	347.77	
26 24 13 00-0249	EA		Short Time Delay Selective Trip - Factory Installed.....	456.25	
26 24 13 00-0250	EA		Shunt Trip Manually Open Breakers - Factory Installed.....	328.62	
<b>26 24 13 00-0251</b>			<b>DSL Breaker Electrical Operated And Amptector</b> (26 24 13 00-0241)		
			Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0252	EA		50 - 800 Amp DSL-206, Main Breaker, Electrical Operated With Amptector Static Trip.....	8,283.79	807.15
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	486.59	
26 24 13 00-0253	EA		50 - 1,600 Amp DSL-416, Main Breaker, Electrical Operated With Amptector Static Trip.....	15,537.19	1,357.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	810.50	
26 24 13 00-0254	EA		1,200 - 3,200 Amp DSL-632, Main Breaker, Electrical Operated With Amptector Static Trip.....	33,550.78	2,238.02
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,348.86	
26 24 13 00-0255	EA		4,000 Amp DSL-840, Main Breaker, Electrical Operated With Amptector Static Trip.....	51,541.17	3,668.88
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,255.46	
<b>26 24 13 00-0256</b>			<b>DS Breakers With Amptector Static Trip, Manually Operated</b> (26 24 13 00-0241)		
			Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted manually operated.		
26 24 13 00-0257	EA		50 - 800 Amp DS-206, Main Breaker With Groundfault, Amptector Static Trip.....	5,479.04	704.43
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	423.33	
26 24 13 00-0258	EA		50 - 1,600 Amp DS-416, Main Breaker With Groundfault, Amptector Static Trip.....	10,135.14	1,181.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	705.55	
26 24 13 00-0259	EA		2,000 Amp DS-420, Main Breaker With Groundfault, Amptector Static Trip.....	14,813.82	1,981.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,175.93	
26 24 13 00-0260	EA		1,200 - 3,200 AMP DS-632, Main Breaker With Groundfault, Amptector Static Trip.....	25,679.43	3,191.93
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,958.48	
26 24 13 00-0261	EA		4,000 Amp DS-840, Main Breaker With Groundfault, Amptector Static Trip.....	41,678.43	5,209.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,256.41	
<b>26 24 13 00-0262</b>			<b>DS Breakers With Amptector Static Trip, Electrically Operated</b> (26 24 13 00-0241)		
			Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted electrical operated.		
26 24 13 00-0263	EA		50 - 800 Amp DS-206, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	6,616.64	675.08
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	403.76	
26 24 13 00-0264	EA		50 - 1,600 Amp DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	12,477.83	1,130.02
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	672.78	
26 24 13 00-0265	EA		2,000 Amp DS-420, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	17,504.53	1,878.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,123.13	
26 24 13 00-0266	EA		1,200 - 3,200 Amp DS-632, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	28,860.48	3,059.84
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,871.88	
26 24 13 00-0267	EA		4,000 Amp DS-840, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	44,812.13	5,246.50
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,126.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 24 13 00-0268</b> <b>Molded Case Circuit Breakers Conventional</b> <small>(26 24 13 00-0241)</small>		
26 24 13 00-0269    EA    70 - 225 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	2,046.55	616.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	355.05	
26 24 13 00-0270    EA    125 - 400 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	3,206.43	616.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	386.20	
26 24 13 00-0271    EA    300 - 600 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	3,564.72	733.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	423.33	
26 24 13 00-0272    EA    400 - 800 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	4,309.25	733.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	458.61	
26 24 13 00-0273    EA    600 - 1,200 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	6,681.23	880.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	502.58	
26 24 13 00-0274    EA    1,000 - 2,000 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	11,209.21	880.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	555.89	
26 24 13 00-0275    EA    Shunt Trip, Factory Installed.....	344.58	
26 24 13 00-0276    EA    Groundfault Trip Complete Interrupting Circuit, Factory Installed.....	79.76	
<b>26 24 13 00-0277</b> <b>Switchboard Branch Breaker 480 Volt</b> <small>(26 24 13 00-0240)</small>		
26 24 13 00-0278    EA    60 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	493.89	53.19
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.91	
26 24 13 00-0279    EA    100 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	574.94	70.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.33	
26 24 13 00-0280    EA    225 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	1,757.44	106.25
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	63.77	
26 24 13 00-0281    EA    400 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	2,329.99	133.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	79.99	
26 24 13 00-0282    EA    600 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	2,803.20	178.82
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	107.28	
26 24 13 00-0283    EA    800 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	3,372.44	229.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	137.58	
26 24 13 00-0284    EA    1,000 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	5,443.24	349.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	209.65	
26 24 13 00-0285    EA    1,200 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	5,443.24	349.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	209.65	
26 24 13 00-0286    EA    1,600 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	7,635.34	489.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	293.51	
26 24 13 00-0287    EA    2,000 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	9,407.51	733.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	440.27	
<b>26 24 13 00-0288</b> <b>Switchboard 277/480 Volt Main Breaker</b> <small>(26 24 13 00-0240)</small>		
26 24 13 00-0289    EA    400 Amp, Switchboard 277/480 Volt Main Breaker.....	6,258.29	318.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	191.09	
26 24 13 00-0290    EA    600 Amp, Switchboard 277/480 Volt Main Breaker.....	6,318.83	348.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	209.25	
26 24 13 00-0291    EA    800 Amp, Switchboard 277/480 Volt Main Breaker.....	6,669.58	524.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	314.48	
26 24 13 00-0292    EA    1,200 Amp, Switchboard 277/480 Volt Main Breaker.....	11,566.10	733.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	440.27	
26 24 13 00-0293    EA    1,600 Amp, Switchboard 277/480 Volt Main Breaker.....	11,721.95	811.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	487.02	
26 24 13 00-0294    EA    2,000 Amp, Switchboard 277/480 Volt Main Breaker.....	15,101.49	1,455.89
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	873.54	
<b>26 24 13 00-0295</b> <b>Branch Or Distribution Devices</b> <small>(26 24 13)</small>		
<b>26 24 13 00-0296</b> <b>3 Pole, Panel Mounted, Molded Case Circuit Breakers</b> <small>(26 24 13 00-0295)</small>		
Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0297    EA    15 - 60 Amp, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	365.76	26.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.61	
26 24 13 00-0298    EA    70 - 100 Amp, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	369.69	33.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.01	
26 24 13 00-0299    EA    125 - 150 Amp, 600 Volt, Type FB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	887.68	39.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.42	
26 24 13 00-0300    EA    70 - 225 Amp, 600 Volt, Type JDB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,286.93	51.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.12	
26 24 13 00-0301    EA    125 - 400 Amp, 600 Volt, Type LBB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,813.98	63.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.27	
26 24 13 00-0302    EA    300 - 600 Amp, 600 Volt, Type LC, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	2,375.45	74.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.53	
26 24 13 00-0303    EA    900 - 1,000 Amp, 600 Volt, Type NB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	3,624.81	83.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.91	
<b>26 24 13 00-0304</b> <b>2 Pole, Panel Mounted, Molded Case Circuit Breakers</b> <small>(26 24 13 00-0295)</small>		
Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0305    EA    15 - 60 Amp, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	252.10	19.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.21	
26 24 13 00-0306    EA    70 - 100 Amp, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	323.95	26.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.61	
26 24 13 00-0307    EA    125 - 150 Amp, 600 Volt, Type FB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	884.24	33.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.01	



**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0308 EA 70 - 225 Amp, 600 Volt, Type JDB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,400.21	36.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.21	
26 24 13 00-0309 EA 125 - 400 Amp, 600 Volt, Type LBB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,480.11	47.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.92	
26 24 13 00-0310 EA 900 - 1,000 Amp, 600 Volt, Type NB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	3,352.61	69.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.23	
<b>26 24 13 00-0311 Meter Devices And Instrumentation</b> <small>(26 24 13)</small>		
Note: Factory installed accessories.		
<b>26 24 13 00-0312 Instrument Transformers And Metering Compartments</b> <small>(26 24 13 00-0311)</small>		
26 24 13 00-0313 EA 800 Amp And Below Primary Current Transformer, With Compartment.....	416.36	
26 24 13 00-0314 EA 1,000 - 1,500 Amp Primary Current Transformer, With Compartment.....	601.42	
26 24 13 00-0315 EA 2,000 - 6,000 Amp Primary Current Transformer, With Compartment.....	708.30	
26 24 13 00-0316 EA Potential Transformer With 200 VA Max.....	510.49	
26 24 13 00-0317 EA 5 To 800 Amp, Three Current Transformers.....	1,589.72	
26 24 13 00-0318 EA 1,000 To 1,500 Amp, Three Current Transformers.....	2,865.14	
26 24 13 00-0319 EA 2,000 To 4,000 Amp, Three Current Transformers.....	3,728.35	
<b>26 24 13 00-0320 Instruments</b> <small>(26 24 13 00-0311)</small>		
26 24 13 00-0321 EA AC Voltmeter.....	567.91	
26 24 13 00-0322 EA AC Ammeter.....	567.91	
26 24 13 00-0323 EA AC Wattmeter.....	1,517.10	
26 24 13 00-0324 EA Variometer.....	1,713.32	
26 24 13 00-0325 EA Power Factor Meter.....	1,368.74	
26 24 13 00-0326 EA Frequency Meter.....	1,510.72	
26 24 13 00-0327 EA AC Watt-hour Meter Indicating 1 Or 2 Element With Test Block And Plug Block.....	1,922.30	
26 24 13 00-0328 EA AC Watt-hour Meter Recording 2 Element With Recording KW Demand Type R-2.....	3,216.06	
26 24 13 00-0329 EA Weatherproof, Modify Meter.....	2,906.07	
26 24 13 00-0330 EA Control Switch Resistor Type 130 V.....	62.88	
26 24 13 00-0331 EA Metering Instrument Volt, Amp And Watt Hour.....	3,879.38	
<b>26 24 16 Panelboards</b> <small>(26 24)</small>		
<b>26 24 16 00-0001 Branch Circuit Panelboard</b> <small>(26 24 16)</small>		
Note: Includes wiring connections, drilling hole (or removing knock-out on residential units), labeling and testing. All NEMA 3R panelboards include weatherproof hubs. Copper bussing. Panelboards with less than a 30 circuit capacity do not have the door in a door trim front option.		
<b>26 24 16 00-0002 Assembled Lighting And Power Panelboards</b> <small>(26 24 16 00-0001)</small>		
Note: Includes main lugs or breaker (as indicated). 20 Amp, 1 pole branch circuit plug-on breakers (the number of which is indicated). Panelboard box, trim and connection of main service cable from meter.		
<b>26 24 16 00-0003 120/240 Volt, 3 Wire, 1 Phase, Main Lugs Assembled Panelboards</b> <small>(26 24 16 00-0002)</small>		
26 24 16 00-0004 EA 100 Amp Rating, 8 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity.....	986.86	209.13
<i>For NEMA 3R Panelboard, Add</i>	859.41	
26 24 16 00-0005 EA 100 Amp Rating, 10 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,111.40	209.13
<i>For NEMA 3R Panelboard, Add</i>	859.41	
26 24 16 00-0006 EA 100 Amp Rating, 12 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,253.48	289.84
<i>For NEMA 3R Panelboard, Add</i>	859.41	
26 24 16 00-0007 EA 100 Amp Rating, 14 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,400.29	289.84
<i>For NEMA 3R Panelboard, Add</i>	859.41	
26 24 16 00-0008 EA 100 Amp Rating, 16 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,535.94	363.22
<i>For NEMA 3R Panelboard, Add</i>	859.41	
26 24 16 00-0009 EA 100 Amp Rating, 18 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity.....	1,675.24	363.22
<i>For NEMA 3R Panelboard, Add</i>	859.41	
26 24 16 00-0010 EA 100 Amp Rating, 20 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity.....	1,810.57	418.26
<i>For NEMA 3R Panelboard, Add</i>	859.41	
26 24 16 00-0011 EA 225 Amp Rating, 22 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,160.13	535.65
<i>For NEMA 3R Panelboard, Add</i>	945.11	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	69.06	
26 24 16 00-0012 EA 225 Amp Rating, 24 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,263.58	535.65
<i>For NEMA 3R Panelboard, Add</i>	945.11	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	69.06	
26 24 16 00-0013 EA 225 Amp Rating, 26 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,370.23	612.70
<i>For NEMA 3R Panelboard, Add</i>	945.11	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	69.06	
26 24 16 00-0014 EA 225 Amp Rating, 28 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	2,544.94	612.70
<i>For NEMA 3R Panelboard, Add</i>	1,116.40	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	117.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0015 EA 225 Amp Rating, 30 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,655.10 1,116.40 117.95	689.75
26 24 16 00-0016 EA 225 Amp Rating, 32 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,813.58 1,116.40 117.95	689.75
26 24 16 00-0017 EA 225 Amp Rating, 34 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,904.28 1,116.40 117.95	763.13
26 24 16 00-0018 EA 225 Amp Rating, 36 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,071.85 1,116.40 117.95	763.13
26 24 16 00-0019 EA 225 Amp Rating, 38 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,218.61 1,116.40 117.95	843.84
26 24 16 00-0020 EA 225 Amp Rating, 40 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,326.53 1,161.95 150.74	843.84
26 24 16 00-0021 EA 225 Amp Rating, 42 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,467.15 1,161.95 150.74	843.84
<b>26 24 16 00-0022 120/240 Volt, 3 Wire, 1 Phase, Main Breaker Assembled Panelboards</b> <small>(26 24 16 00-0002)</small>		
26 24 16 00-0023 EA 50 Amp Rating, 8 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i>	1,209.78 859.41	201.79
26 24 16 00-0024 EA 50 Amp Rating, 10 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i>	1,335.91 859.41	201.79
26 24 16 00-0025 EA 100 Amp Rating, 12 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i>	1,611.79 859.41	344.87
26 24 16 00-0026 EA 100 Amp Rating, 14 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i>	1,832.66 859.41	344.87
26 24 16 00-0027 EA 100 Amp Rating, 16 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i>	1,971.30 859.41	421.93
26 24 16 00-0028 EA 100 Amp Rating, 18 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i>	2,114.94 859.41	421.93
26 24 16 00-0029 EA 100 Amp Rating, 20 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i>	2,244.25 859.41	506.31
26 24 16 00-0030 EA 225 Amp Rating, 22 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,726.85 945.11 69.06	506.31
26 24 16 00-0031 EA 225 Amp Rating, 24 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,839.62 945.11 69.06	620.04
26 24 16 00-0032 EA 225 Amp Rating, 26 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,960.71 945.11 69.06	620.04
26 24 16 00-0033 EA 225 Amp Rating, 28 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,091.78 1,116.40 117.95	697.09
26 24 16 00-0034 EA 225 Amp Rating, 30 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,201.14 1,116.40 117.95	697.09
26 24 16 00-0035 EA 225 Amp Rating, 32 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,316.67 1,116.40 117.95	763.13
26 24 16 00-0036 EA 225 Amp Rating, 34 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,439.30 1,116.40 117.95	763.13
26 24 16 00-0037 EA 225 Amp Rating, 36 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,570.21 1,116.40 117.95	902.54

<b>26</b>	<b>Electrical</b>
<b>26 20</b>	<b>Low-Voltage Electrical Distribution</b>
<b>26 24</b>	<b>Switchboards And Panelboards</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0038	EA		225 Amp Rating, 38 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity .....	3,710.80	902.54
			<i>For NEMA 3R Panelboard, Add</i> .....	1,116.40	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	117.95	
26 24 16 00-0039	EA		225 Amp Rating, 40 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity .....	3,862.83	902.54
			<i>For NEMA 3R Panelboard, Add</i> .....	1,161.95	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	150.74	
26 24 16 00-0040	EA		225 Amp Rating, 42 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity .....	3,961.04	953.91
			<i>For NEMA 3R Panelboard, Add</i> .....	1,161.95	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	150.74	
<b>26 24 16 00-0041</b>			<b>120/208 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards</b> <small>(26 24 16 00-0002)</small>		
26 24 16 00-0042	EA		100 Amp Rating, 8 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity .....	1,201.80	238.47
			<i>For NEMA 3R Panelboard, Add</i> .....	859.41	
26 24 16 00-0043	EA		100 Amp Rating, 10 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity .....	1,339.24	238.47
			<i>For NEMA 3R Panelboard, Add</i> .....	859.41	
26 24 16 00-0044	EA		100 Amp Rating, 12 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity .....	1,497.20	319.20
			<i>For NEMA 3R Panelboard, Add</i> .....	859.41	
26 24 16 00-0045	EA		100 Amp Rating, 14 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity .....	1,665.84	319.20
			<i>For NEMA 3R Panelboard, Add</i> .....	859.41	
26 24 16 00-0046	EA		100 Amp Rating, 16 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity .....	1,815.28	392.57
			<i>For NEMA 3R Panelboard, Add</i> .....	859.41	
26 24 16 00-0047	EA		100 Amp Rating, 18 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity .....	1,974.06	392.57
			<i>For NEMA 3R Panelboard, Add</i> .....	859.41	
26 24 16 00-0048	EA		100 Amp Rating, 20 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity .....	2,125.10	465.95
			<i>For NEMA 3R Panelboard, Add</i> .....	859.41	
26 24 16 00-0049	EA		100 Amp Rating, 22 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity .....	2,275.62	465.95
			<i>For NEMA 3R Panelboard, Add</i> .....	945.11	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	69.06	
26 24 16 00-0050	EA		100 Amp Rating, 24 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity .....	2,421.77	546.66
			<i>For NEMA 3R Panelboard, Add</i> .....	945.11	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	69.06	
26 24 16 00-0051	EA		100 Amp Rating, 26 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity .....	2,590.23	546.66
			<i>For NEMA 3R Panelboard, Add</i> .....	945.11	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	69.06	
26 24 16 00-0052	EA		100 Amp Rating, 28 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity .....	2,756.52	631.05
			<i>For NEMA 3R Panelboard, Add</i> .....	945.11	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	69.06	
26 24 16 00-0053	EA		100 Amp Rating, 30 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity .....	2,924.93	631.05
			<i>For NEMA 3R Panelboard, Add</i> .....	945.11	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	69.06	
26 24 16 00-0054	EA		225 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity .....	3,244.76	763.13
			<i>For NEMA 3R Panelboard, Add</i> .....	1,116.40	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	117.95	
26 24 16 00-0055	EA		225 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity .....	3,348.10	763.13
			<i>For NEMA 3R Panelboard, Add</i> .....	1,116.40	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	117.95	
26 24 16 00-0056	EA		225 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity .....	3,547.62	847.51
			<i>For NEMA 3R Panelboard, Add</i> .....	1,116.40	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	117.95	
26 24 16 00-0057	EA		225 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity .....	3,720.20	847.51
			<i>For NEMA 3R Panelboard, Add</i> .....	1,116.40	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	117.95	
26 24 16 00-0058	EA		225 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity .....	3,849.74	924.56
			<i>For NEMA 3R Panelboard, Add</i> .....	1,161.95	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	150.74	
26 24 16 00-0059	EA		225 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity .....	4,013.42	924.56
			<i>For NEMA 3R Panelboard, Add</i> .....	1,161.95	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	150.74	
26 24 16 00-0060	EA		400 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity .....	4,007.56	820.36
			<i>For NEMA 3R Panelboard, Add</i> .....	1,116.40	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	117.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0061 EA 400 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,121.94 1,116.40 117.95	862.19
26 24 16 00-0062 EA 400 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,328.93 1,116.40 117.95	908.05
26 24 16 00-0063 EA 400 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,512.18 1,116.40 117.95	961.25
26 24 16 00-0064 EA 400 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,647.72 1,161.95 150.74	990.59
26 24 16 00-0065 EA 400 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,853.32 1,161.95 150.74	1,051.14
<b>26 24 16 00-0066 120/208 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0062)</small></b>		
26 24 16 00-0067 EA 50 Amp Rating, 8 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i>	1,479.08 859.41	231.14
26 24 16 00-0068 EA 50 Amp Rating, 10 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i>	1,618.00 859.41	231.14
26 24 16 00-0069 EA 50 Amp Rating, 12 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i>	1,788.09 859.41	304.52
26 24 16 00-0070 EA 50 Amp Rating, 14 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i>	2,042.43 859.41	304.52
26 24 16 00-0071 EA 100 Amp Rating 16 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i>	2,356.27 859.41	458.61
26 24 16 00-0072 EA 100 Amp Rating, 18 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i>	2,503.65 859.41	458.61
26 24 16 00-0073 EA 100 Amp Rating, 20 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i>	2,660.32 859.41	535.65
26 24 16 00-0074 EA 100 Amp Rating, 22 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,786.97 945.11 69.06	535.65
26 24 16 00-0075 EA 100 Amp Rating, 24 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,964.52 945.11 69.06	620.04
26 24 16 00-0076 EA 100 Amp Rating, 26 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,078.54 945.11 69.06	620.04
26 24 16 00-0077 EA 100 Amp Rating, 28 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,280.67 945.11 69.06	697.09
26 24 16 00-0078 EA 100 Amp Rating, 30 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,458.64 945.11 69.06	697.09
26 24 16 00-0079 EA 225 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,095.50 1,116.40 117.95	807.15
26 24 16 00-0080 EA 225 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,267.97 1,116.40 117.95	851.18
26 24 16 00-0081 EA 225 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,336.29 1,116.40 117.95	851.18
26 24 16 00-0082 EA 225 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,527.22 1,116.40 117.95	961.25
26 24 16 00-0083 EA 225 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,668.20 1,161.95 150.74	961.25

<b>26</b>	<b>Electrical</b>
<b>26 20</b>	<b>Low-Voltage Electrical Distribution</b>
<b>26 24</b>	<b>Switchboards And Panelboards</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0084	EA		225 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity .....	4,749.64	961.25
			<i>For NEMA 3R Panelboard, Add</i> .....	1,161.95	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	150.74	
26 24 16 00-0085	EA		400 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity .....	4,878.13	884.21
			<i>For NEMA 3R Panelboard, Add</i> .....	1,116.40	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	117.95	
26 24 16 00-0086	EA		400 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity .....	5,064.27	935.56
			<i>For NEMA 3R Panelboard, Add</i> .....	1,116.40	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	117.95	
26 24 16 00-0087	EA		400 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity .....	5,134.31	961.25
			<i>For NEMA 3R Panelboard, Add</i> .....	1,116.40	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	117.95	
26 24 16 00-0088	EA		400 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity .....	5,338.86	1,019.95
			<i>For NEMA 3R Panelboard, Add</i> .....	1,116.40	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	117.95	
26 24 16 00-0089	EA		400 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity .....	5,478.47	1,049.30
			<i>For NEMA 3R Panelboard, Add</i> .....	1,161.95	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	150.74	
26 24 16 00-0090	EA		400 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity .....	5,601.65	1,085.99
			<i>For NEMA 3R Panelboard, Add</i> .....	1,161.95	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	150.74	
<b>26 24 16 00-0091</b>			<b>480 Volt, 3 Wire, 3 Phase, Main Lugs Assembled Panelboards</b> <small>(26 24 16 00-0002)</small>		
26 24 16 00-0092	EA		100 Amp Rating, 8 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity .....	1,387.87	234.81
			<i>For NEMA 3R Panelboard, Add</i> .....	859.41	
26 24 16 00-0093	EA		100 Amp Rating, 10 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity .....	1,574.35	234.81
			<i>For NEMA 3R Panelboard, Add</i> .....	859.41	
26 24 16 00-0094	EA		100 Amp Rating, 12 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity .....	1,754.55	322.87
			<i>For NEMA 3R Panelboard, Add</i> .....	859.41	
26 24 16 00-0095	EA		100 Amp Rating, 14 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity .....	1,941.01	322.87
			<i>For NEMA 3R Panelboard, Add</i> .....	859.41	
26 24 16 00-0096	EA		100 Amp Rating, 16 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity .....	2,117.20	403.58
			<i>For NEMA 3R Panelboard, Add</i> .....	859.41	
26 24 16 00-0097	EA		100 Amp Rating, 18 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity .....	2,301.03	403.58
			<i>For NEMA 3R Panelboard, Add</i> .....	859.41	
26 24 16 00-0098	EA		100 Amp Rating, 20 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity .....	2,491.39	487.96
			<i>For NEMA 3R Panelboard, Add</i> .....	859.41	
26 24 16 00-0099	EA		100 Amp Rating, 22 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity .....	2,668.69	487.96
			<i>For NEMA 3R Panelboard, Add</i> .....	945.11	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	69.06	
26 24 16 00-0100	EA		100 Amp Rating, 24 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity .....	2,860.23	579.69
			<i>For NEMA 3R Panelboard, Add</i> .....	945.11	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	69.06	
26 24 16 00-0101	EA		100 Amp Rating, 26 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity .....	3,046.33	579.69
			<i>For NEMA 3R Panelboard, Add</i> .....	945.11	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	69.06	
26 24 16 00-0102	EA		100 Amp Rating, 28 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity .....	3,220.17	660.40
			<i>For NEMA 3R Panelboard, Add</i> .....	945.11	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	69.06	
26 24 16 00-0103	EA		100 Amp Rating, 30 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity .....	3,403.99	660.40
			<i>For NEMA 3R Panelboard, Add</i> .....	945.11	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	69.06	
26 24 16 00-0104	EA		225 Amp Rating, 32 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity .....	3,782.77	803.48
			<i>For NEMA 3R Panelboard, Add</i> .....	1,116.40	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	117.95	
26 24 16 00-0105	EA		225 Amp Rating, 34 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity .....	3,966.42	803.48
			<i>For NEMA 3R Panelboard, Add</i> .....	1,116.40	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	117.95	
26 24 16 00-0106	EA		225 Amp Rating, 36 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity .....	4,159.76	880.54
			<i>For NEMA 3R Panelboard, Add</i> .....	1,116.40	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	117.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0107 EA 225 Amp Rating, 38 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,310.05 1,116.40 117.95	880.54
26 24 16 00-0108 EA 225 Amp Rating, 40 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,521.35 1,161.95 150.74	972.26
26 24 16 00-0109 EA 225 Amp Rating, 42 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,681.89 1,161.95 150.74	972.26
<b>26 24 16 00-0110 480 Volt, 3 Wire, 3 Phase, Main Breaker Assembled Panelboards</b> <small>(26 24 16 00-0002)</small>		
26 24 16 00-0111 EA 50 Amp Rating, 8 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i>	1,784.28 859.41	249.48
26 24 16 00-0112 EA 50 Amp Rating, 10 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i>	1,967.28 859.41	271.50
26 24 16 00-0113 EA 50 Amp Rating, 12 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i>	2,151.94 859.41	337.53
26 24 16 00-0114 EA 100 Amp Rating, 14 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i>	2,576.02 859.41	410.92
26 24 16 00-0115 EA 100 Amp Rating, 16 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i>	2,748.92 859.41	454.94
26 24 16 00-0116 EA 100 Amp Rating, 18 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i>	2,908.93 859.41	491.63
26 24 16 00-0117 EA 100 Amp Rating, 20 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i>	3,082.51 859.41	535.65
26 24 16 00-0118 EA 100 Amp Rating, 22 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,250.55 945.11 69.06	579.69
26 24 16 00-0119 EA 100 Amp Rating, 24 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,406.62 945.11 69.06	616.37
26 24 16 00-0120 EA 100 Amp Rating, 26 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,572.08 945.11 69.06	653.06
26 24 16 00-0121 EA 100 Amp Rating, 28 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,748.88 945.11 69.06	697.09
26 24 16 00-0122 EA 100 Amp Rating, 30 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,939.59 945.11 69.06	752.12
26 24 16 00-0123 EA 225 Amp Rating, 32 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,065.30 1,116.40 117.95	836.50
26 24 16 00-0124 EA 225 Amp Rating, 34 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,249.30 1,116.40 117.95	887.87
26 24 16 00-0125 EA 225 Amp Rating, 36 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,388.02 1,116.40 117.95	909.88
26 24 16 00-0126 EA 225 Amp Rating, 38 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,591.46 1,116.40 117.95	968.59
26 24 16 00-0127 EA 225 Amp Rating, 40 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,741.28 1,161.95 150.74	1,005.27
26 24 16 00-0128 EA 225 Amp Rating, 42 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,895.63 1,161.95 150.74	1,036.83
<b>26 24 16 00-0129 277/480 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards</b> <small>(26 24 16 00-0002)</small>		

<b>26</b>	<b>Electrical</b>
<b>26 20</b>	<b>Low-Voltage Electrical Distribution</b>
<b>26 24</b>	<b>Switchboards And Panelboards</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0130	EA		100 Amp Rating , 8 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity.....	1,714.80 859.41	256.82
			<i>For NEMA 3R Panelboard, Add</i>		
26 24 16 00-0131	EA		100 Amp Rating, 10 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,928.90 859.41	256.82
			<i>For NEMA 3R Panelboard, Add</i>		
26 24 16 00-0132	EA		100 Amp Rating, 12 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	2,138.53 859.41	341.20
			<i>For NEMA 3R Panelboard, Add</i>		
26 24 16 00-0133	EA		100 Amp Rating, 14 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	2,349.53 859.41	341.20
			<i>For NEMA 3R Panelboard, Add</i>		
26 24 16 00-0134	EA		100 Amp Rating, 16 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	2,563.29 859.41	421.93
			<i>For NEMA 3R Panelboard, Add</i>		
26 24 16 00-0135	EA		100 Amp Rating, 18 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity.....	2,773.48 859.41	421.93
			<i>For NEMA 3R Panelboard, Add</i>		
26 24 16 00-0136	EA		100 Amp Rating, 20 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity.....	2,986.44 859.41	506.31
			<i>For NEMA 3R Panelboard, Add</i>		
26 24 16 00-0137	EA		100 Amp Rating, 22 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	3,198.69 945.11 69.06	506.31
			<i>For NEMA 3R Panelboard, Add</i>		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0138	EA		100 Amp Rating, 24 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	3,426.72 945.11 69.06	594.36
			<i>For NEMA 3R Panelboard, Add</i>		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0139	EA		100 Amp Rating, 26 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	3,624.52 945.11 69.06	594.36
			<i>For NEMA 3R Panelboard, Add</i>		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0140	EA		100 Amp Rating, 28 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	3,831.14 945.11 69.06	598.03
			<i>For NEMA 3R Panelboard, Add</i>		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0141	EA		100 Amp Rating, 30 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	4,048.43 945.11 69.06	598.03
			<i>For NEMA 3R Panelboard, Add</i>		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0142	EA		225 Amp Rating, 32 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	4,599.23 1,116.40 117.95	829.17
			<i>For NEMA 3R Panelboard, Add</i>		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0143	EA		225 Amp Rating, 34 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	4,822.13 1,116.40 117.95	829.17
			<i>For NEMA 3R Panelboard, Add</i>		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0144	EA		225 Amp Rating, 36 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	5,004.20 1,116.40 117.95	873.20
			<i>For NEMA 3R Panelboard, Add</i>		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0145	EA		225 Amp Rating, 38 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	5,243.59 1,116.40 117.95	931.90
			<i>For NEMA 3R Panelboard, Add</i>		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0146	EA		225 Amp Rating, 40 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	5,435.01 1,161.95 150.74	931.90
			<i>For NEMA 3R Panelboard, Add</i>		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0147	EA		225 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	5,695.91 1,161.95 150.74	1,019.95
			<i>For NEMA 3R Panelboard, Add</i>		
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>		
26 24 16 00-0148			<b>277/480 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards</b> <small>(26 24 16 00-0002)</small>		
26 24 16 00-0149	EA		50 Amp Rating, 8 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity.....	2,239.48 859.41	315.53
			<i>For NEMA 3R Panelboard, Add</i>		
26 24 16 00-0150	EA		50 Amp Rating, 10 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity.....	2,457.65 859.41	315.53
			<i>For NEMA 3R Panelboard, Add</i>		
26 24 16 00-0151	EA		50 Amp Rating, 12 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity.....	2,669.18 859.41	418.26
			<i>For NEMA 3R Panelboard, Add</i>		
26 24 16 00-0152	EA		100 Amp Rating, 14 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity.....	3,172.55 859.41	418.26
			<i>For NEMA 3R Panelboard, Add</i>		
26 24 16 00-0153	EA		100 Amp Rating, 16 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity.....	3,371.60 859.41	528.32
			<i>For NEMA 3R Panelboard, Add</i>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0154 EA 100 Amp Rating, 18 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity .....	3,570.40	528.32
<i>For NEMA 3R Panelboard, Add</i>	859.41	
26 24 16 00-0155 EA 100 Amp Rating, 20 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity .....	3,763.66	605.37
<i>For NEMA 3R Panelboard, Add</i>	859.41	
26 24 16 00-0156 EA 100 Amp Rating, 22 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity .....	3,944.95	605.37
<i>For NEMA 3R Panelboard, Add</i>	945.11	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	69.06	
26 24 16 00-0157 EA 100 Amp Rating, 24 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity .....	4,135.63	689.75
<i>For NEMA 3R Panelboard, Add</i>	945.11	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	69.06	
26 24 16 00-0158 EA 100 Amp Rating, 26 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity .....	4,337.63	689.75
<i>For NEMA 3R Panelboard, Add</i>	945.11	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	69.06	
26 24 16 00-0159 EA 100 Amp Rating, 28 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity .....	4,516.30	763.13
<i>For NEMA 3R Panelboard, Add</i>	945.11	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	69.06	
26 24 16 00-0160 EA 100 Amp Rating, 30 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity .....	4,702.07	763.13
<i>For NEMA 3R Panelboard, Add</i>	945.11	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	69.06	
26 24 16 00-0161 EA 225 Amp Rating, 32 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity .....	6,292.20	902.54
<i>For NEMA 3R Panelboard, Add</i>	1,116.40	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	117.95	
26 24 16 00-0162 EA 225 Amp Rating, 34 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity .....	6,511.56	902.54
<i>For NEMA 3R Panelboard, Add</i>	1,116.40	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	117.95	
26 24 16 00-0163 EA 225 Amp Rating, 36 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity .....	6,682.95	986.93
<i>For NEMA 3R Panelboard, Add</i>	1,116.40	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	117.95	
26 24 16 00-0164 EA 225 Amp Rating, 38 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity .....	6,923.84	986.93
<i>For NEMA 3R Panelboard, Add</i>	1,116.40	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	117.95	
26 24 16 00-0165 EA 225 Amp Rating, 40 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity .....	7,107.61	1,078.66
<i>For NEMA 3R Panelboard, Add</i>	1,161.95	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	150.74	
26 24 16 00-0166 EA 225 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity .....	7,296.40	1,078.66
<i>For NEMA 3R Panelboard, Add</i>	1,161.95	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	150.74	
26 24 16 00-0167 EA 400 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity .....	8,751.31	1,201.20
<i>For NEMA 3R Panelboard, Add</i>	1,161.95	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	150.74	
26 24 16 00-0168 EA 600 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >400 To 600 Amp Main Breaker, 54 Circuit Capacity .....	10,672.38	1,441.87
<i>For NEMA 3R Panelboard, Add</i>	1,161.95	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	150.74	
<b>26 24 16 00-0169 Unassembled Lighting And Power Panelboards</b> <small>(26 24 16 00-0001)</small>		
<small>Note: Listed panelboards include the main device (lugs or breaker), connection of main service cable from meter and that portion of the panel box, trim and interior occupied by that device. Spaces include that portion of the panel box, trim and interior reserved by that space. The maximum single pole capacity of the panelboard main device (lugs, breakers) is indicated. Excludes branch breakers. A complete panelboard will be the sum of main device and the branch circuit breakers and spaces (within the capacity of the main device). See CSI section 26 28 16 13-0001 for circuit breakers.</small>		
<b>26 24 16 00-0170 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0169)</small>		
<small>Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers.</small>		
<b>26 24 16 00-0171 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0170)</small>		
26 24 16 00-0172 EA 100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....	575.76	
26 24 16 00-0173 EA 100 Amp Rating, 20 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....	658.35	
26 24 16 00-0174 EA 225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....	878.39	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	69.06	
26 24 16 00-0175 EA 225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....	1,010.20	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	117.95	
26 24 16 00-0176 EA 225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....	1,139.69	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	150.74	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0177 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....	1,266.48	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	69.06	
26 24 16 00-0178 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....	1,371.73	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	117.95	
26 24 16 00-0179 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....	1,498.26	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	150.74	
26 24 16 00-0180 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....	1,563.86	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	69.06	
26 24 16 00-0181 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....	1,666.58	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	117.95	
26 24 16 00-0182 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....	1,810.29	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	150.74	
<b>26 24 16 00-0183 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small></b>		
26 24 16 00-0184 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....	851.33	
26 24 16 00-0185 EA 100 Amp Rating, 20 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....	957.74	
26 24 16 00-0186 EA 225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....	1,520.70	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	69.06	
26 24 16 00-0187 EA 225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....	1,680.29	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	117.95	
26 24 16 00-0188 EA 225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....	1,826.79	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	150.74	
26 24 16 00-0189 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....	3,280.91	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	69.06	
26 24 16 00-0190 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....	3,442.85	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	117.95	
26 24 16 00-0191 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....	3,593.84	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	150.74	
<b>26 24 16 00-0192 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small></b>		
26 24 16 00-0193 EA 100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....	1,211.87	
26 24 16 00-0194 EA 100 Amp Rating, 20 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....	1,287.19	
26 24 16 00-0195 EA 225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....	1,492.07	
26 24 16 00-0196 EA 225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....	1,620.86	
26 24 16 00-0197 EA 225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....	1,738.84	
26 24 16 00-0198 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....	1,983.16	
26 24 16 00-0199 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....	2,080.53	
26 24 16 00-0200 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....	2,199.79	
26 24 16 00-0201 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....	2,321.12	
26 24 16 00-0202 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....	2,419.87	
26 24 16 00-0203 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....	2,552.43	
<b>26 24 16 00-0204 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small></b>		
26 24 16 00-0205 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....	1,480.16	
26 24 16 00-0206 EA 100 Amp Rating, 20 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....	1,578.70	
26 24 16 00-0207 EA 225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....	2,251.91	
26 24 16 00-0208 EA 225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....	2,396.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0209 EA 225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....	2,532.56	
26 24 16 00-0210 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....	3,971.53	
26 24 16 00-0211 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....	4,126.21	
26 24 16 00-0212 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard .....	4,275.38	
<b>26 24 16 00-0213 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0169)</small>		
<i>Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers</i>		
<b>26 24 16 00-0214 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0213)</small>		
26 24 16 00-0215 EA 100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	645.59	
26 24 16 00-0216 EA 100 Amp Rating, 24 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	756.06	
26 24 16 00-0217 EA 100 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	844.84	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	69.06	
26 24 16 00-0218 EA 225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	943.42	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	69.06	
26 24 16 00-0219 EA 225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	1,083.65	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	117.95	
26 24 16 00-0220 EA 225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	1,196.82	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	150.74	
26 24 16 00-0221 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	1,377.98	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	69.06	
26 24 16 00-0222 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	1,480.98	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	117.95	
26 24 16 00-0223 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	1,592.66	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	150.74	
26 24 16 00-0224 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	1,688.69	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	69.06	
26 24 16 00-0225 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	1,871.58	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	117.95	
26 24 16 00-0226 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	2,236.37	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	150.74	
<b>26 24 16 00-0227 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0213)</small>		
26 24 16 00-0228 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	1,001.75	
26 24 16 00-0229 EA 100 Amp Rating, 24 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	1,127.48	
26 24 16 00-0230 EA 100 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	1,264.93	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	69.06	
26 24 16 00-0231 EA 225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	1,904.27	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	69.06	
26 24 16 00-0232 EA 225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	2,058.03	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	117.95	
26 24 16 00-0233 EA 225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	2,191.31	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	150.74	
26 24 16 00-0234 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	3,071.94	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	69.06	
26 24 16 00-0235 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	3,218.77	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	117.95	
26 24 16 00-0236 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	3,342.23	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	150.74	
<b>26 24 16 00-0237 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0213)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0238	EA		100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	1,281.69	
26 24 16 00-0239	EA		100 Amp Rating, 24 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	1,384.89	
26 24 16 00-0240	EA		100 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	1,465.80	
26 24 16 00-0241	EA		225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	1,557.11	
26 24 16 00-0242	EA		225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	1,694.31	
26 24 16 00-0243	EA		225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	1,795.97	
26 24 16 00-0244	EA		400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	2,094.66	
26 24 16 00-0245	EA		400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	2,189.78	
26 24 16 00-0246	EA		400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	2,294.19	
26 24 16 00-0247	EA		600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	2,445.96	
26 24 16 00-0248	EA		600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	2,614.91	
26 24 16 00-0249	EA		600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	2,979.70	
<b>26 24 16 00-0250</b>			<b>Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0213)</small>		
26 24 16 00-0251	EA		100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	1,630.58	
26 24 16 00-0252	EA		100 Amp Rating, 24 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	1,748.43	
26 24 16 00-0253	EA		100 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	1,881.64	
26 24 16 00-0254	EA		225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	2,635.49	
26 24 16 00-0255	EA		225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	2,774.70	
26 24 16 00-0256	EA		225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	2,897.08	
26 24 16 00-0257	EA		400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	4,397.70	
26 24 16 00-0258	EA		400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	4,550.83	
26 24 16 00-0259	EA		400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard .....	4,684.95	
<b>26 24 16 00-0260</b>			<b>480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0169)</small> Note: As manufactured by Square D or equal.		
<b>26 24 16 00-0261</b>			<b>Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0260)</small>		
26 24 16 00-0262	EA		125 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	949.73	
26 24 16 00-0263	EA		125 Amp Rating, 18 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,034.76	
26 24 16 00-0264	EA		250 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,415.93	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	69.06	
26 24 16 00-0265	EA		250 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,572.57	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	117.95	
26 24 16 00-0266	EA		250 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,707.39	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	150.74	
26 24 16 00-0267	EA		400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,678.77	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	69.06	
26 24 16 00-0268	EA		400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,761.47	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	117.95	
26 24 16 00-0269	EA		400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,909.06	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	150.74	
26 24 16 00-0270	EA		600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,945.05	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	69.06	
26 24 16 00-0271	EA		600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,084.01	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	117.95	
26 24 16 00-0272	EA		600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,270.14	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	150.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 24 16 00-0273 Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0260)</small>		
26 24 16 00-0274 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,988.28	
26 24 16 00-0275 EA 100 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,051.42	
26 24 16 00-0276 EA 125 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,224.22	
26 24 16 00-0277 EA 125 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,335.28	
For Door-In-Door (Hinged) Trim Front, Add	69.06	
26 24 16 00-0278 EA 125 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,539.59	
For Door-In-Door (Hinged) Trim Front, Add	117.95	
26 24 16 00-0279 EA 250 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,305.33	
For Door-In-Door (Hinged) Trim Front, Add	69.06	
26 24 16 00-0280 EA 250 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,440.33	
For Door-In-Door (Hinged) Trim Front, Add	117.95	
26 24 16 00-0281 EA 250 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,610.54	
For Door-In-Door (Hinged) Trim Front, Add	150.74	
26 24 16 00-0282 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,687.70	
For Door-In-Door (Hinged) Trim Front, Add	69.06	
26 24 16 00-0283 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,848.49	
For Door-In-Door (Hinged) Trim Front, Add	117.95	
26 24 16 00-0284 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,999.25	
For Door-In-Door (Hinged) Trim Front, Add	150.74	
<b>26 24 16 00-0285 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0260)</small>		
26 24 16 00-0286 EA 125 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,564.02	
26 24 16 00-0287 EA 125 Amp Rating, 18 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,649.06	
26 24 16 00-0288 EA 250 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,015.69	
26 24 16 00-0289 EA 250 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,277.74	
26 24 16 00-0290 EA 250 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,400.44	
26 24 16 00-0291 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,371.82	
26 24 16 00-0292 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,436.35	
26 24 16 00-0293 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,557.89	
26 24 16 00-0294 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,654.46	
26 24 16 00-0295 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,778.48	
26 24 16 00-0296 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,932.44	
<b>26 24 16 00-0297 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0260)</small>		
26 24 16 00-0298 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,733.43	
26 24 16 00-0299 EA 100 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,796.57	
26 24 16 00-0300 EA 125 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,829.43	
26 24 16 00-0301 EA 125 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,935.04	
26 24 16 00-0302 EA 125 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,244.76	
26 24 16 00-0303 EA 250 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,998.38	
26 24 16 00-0304 EA 250 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,115.20	
26 24 16 00-0305 EA 250 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,259.37	
26 24 16 00-0306 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,336.53	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0307	EA		400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,480.56	
26 24 16 00-0308	EA		400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,628.61	
<b>26 24 16 00-0309</b>			<b>480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0169)</small> Note: As manufactured by Square D or equal.		
<b>26 24 16 00-0310</b>			<b>Main Lugs, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0309)</small>		
26 24 16 00-0311	EA		125 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled .....	990.92	
26 24 16 00-0312	EA		125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled .....	1,076.57	
26 24 16 00-0313	EA		125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled .....	1,241.65	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	69.06	
26 24 16 00-0314	EA		250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled .....	1,476.53	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	69.06	
26 24 16 00-0315	EA		250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled .....	1,634.47	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	117.95	
26 24 16 00-0316	EA		250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled .....	1,768.10	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	150.74	
26 24 16 00-0317	EA		400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled .....	1,759.04	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	69.06	
26 24 16 00-0318	EA		400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled .....	1,860.83	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	117.95	
26 24 16 00-0319	EA		400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled .....	2,007.36	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	150.74	
26 24 16 00-0320	EA		600 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled .....	2,043.70	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	69.06	
26 24 16 00-0321	EA		600 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled .....	2,182.97	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	117.95	
26 24 16 00-0322	EA		600 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled .....	2,369.65	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	150.74	
<b>26 24 16 00-0323</b>			<b>Main Breaker, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0309)</small>		
26 24 16 00-0324	EA		100 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled .....	2,200.32	
26 24 16 00-0325	EA		100 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled .....	2,264.06	
26 24 16 00-0326	EA		100 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled .....	2,450.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	69.06	
26 24 16 00-0327	EA		125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled .....	2,515.67	
26 24 16 00-0328	EA		125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled .....	2,627.27	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	69.06	
26 24 16 00-0329	EA		125 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled .....	2,830.95	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	117.95	
26 24 16 00-0330	EA		250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled .....	3,647.34	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	69.06	
26 24 16 00-0331	EA		250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled .....	3,783.98	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	117.95	
26 24 16 00-0332	EA		250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled .....	3,952.41	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	150.74	
26 24 16 00-0333	EA		400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled .....	4,097.53	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	69.06	
26 24 16 00-0334	EA		400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled .....	4,260.04	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	117.95	
26 24 16 00-0335	EA		400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled .....	4,410.52	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	150.74	
<b>26 24 16 00-0336</b>			<b>Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0309)</small>		
26 24 16 00-0337	EA		125 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled .....	1,605.21	
26 24 16 00-0338	EA		125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled .....	1,690.86	
26 24 16 00-0339	EA		125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled .....	1,846.85	
26 24 16 00-0340	EA		250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled .....	2,076.29	
26 24 16 00-0341	EA		250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled .....	2,339.63	
26 24 16 00-0342	EA		250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled .....	2,461.15	
26 24 16 00-0343	EA		400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled .....	2,453.91	
26 24 16 00-0344	EA		400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled .....	2,535.70	
26 24 16 00-0345	EA		400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled .....	2,656.18	
26 24 16 00-0346	EA		600 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled .....	2,753.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0347 EA 600 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	2,877.23	
26 24 16 00-0348 EA 600 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled.....	3,031.19	
<b>26 24 16 00-0349 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0309)</small>		
26 24 16 00-0350 EA 100 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	2,800.07	
26 24 16 00-0351 EA 100 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	2,863.82	
26 24 16 00-0352 EA 100 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	3,155.41	
26 24 16 00-0353 EA 125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	3,120.88	
26 24 16 00-0354 EA 125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	3,227.02	
26 24 16 00-0355 EA 125 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	3,536.12	
26 24 16 00-0356 EA 250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	4,340.39	
26 24 16 00-0357 EA 250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	4,458.86	
26 24 16 00-0358 EA 250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	4,601.23	
26 24 16 00-0359 EA 400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	4,746.35	
26 24 16 00-0360 EA 400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	4,891.90	
26 24 16 00-0361 EA 400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	5,039.35	
<b>26 24 16 00-0362 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0169)</small> Note: Square D I-Line or equal.		
<b>26 24 16 00-0363 Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0362)</small>		
26 24 16 00-0364 EA 400 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	1,569.92	218.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	131.02	
26 24 16 00-0365 EA 400 Amp Rating, 45" Breaker Mounted Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	1,873.66	218.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	130.98	
26 24 16 00-0366 EA 400 Amp Rating, 63" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,102.33	218.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	130.98	
26 24 16 00-0367 EA 600 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,295.00	358.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	215.10	
26 24 16 00-0368 EA 600 Amp Rating, 45" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,471.99	358.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	215.10	
26 24 16 00-0369 EA 600 Amp Rating, 63" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,666.21	358.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	215.10	
26 24 16 00-0370 EA 800 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,796.57	476.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	285.92	
26 24 16 00-0371 EA 800 Amp Rating, 45" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,965.51	477.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	286.80	
26 24 16 00-0372 EA 800 Amp Rating, 63" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,036.21	476.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	285.92	
26 24 16 00-0373 EA 800 Amp Rating, 99" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,597.72	476.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	285.92	
26 24 16 00-0374 EA 1,200 Amp Rating, 27" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,598.63	716.99
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	430.20	
26 24 16 00-0375 EA 1,200 Amp Rating, 45" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,980.79	716.99
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	430.20	
26 24 16 00-0376 EA 1,200 Amp Rating, 63" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,293.26	716.99
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	430.20	
26 24 16 00-0377 EA 1,200 Amp Rating, 99" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,674.65	716.99
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	430.20	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0378			<b>Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0362)</small>		
26 24 16 00-0379	EA		225 Amp Rating, 36" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,221.36	222.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	133.78	
26 24 16 00-0380	EA		400 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,266.44	252.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	151.75	
26 24 16 00-0381	EA		400 Amp Rating, 45" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,487.28	252.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	151.75	
26 24 16 00-0382	EA		400 Amp Rating, 81" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,137.28	252.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	151.75	
26 24 16 00-0383	EA		600 Amp Rating, 36" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	6,620.47	414.57
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	248.76	
26 24 16 00-0384	EA		600 Amp Rating, 72" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	6,984.48	415.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	249.42	
26 24 16 00-0385	EA		600 Amp Rating, 72" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	7,286.13	414.57
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	248.76	
26 24 16 00-0386	EA		800 Amp Rating, 36" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	8,342.34	554.25
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	332.57	
26 24 16 00-0387	EA		800 Amp Rating, 72" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	8,776.19	552.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	331.39	
26 24 16 00-0388	EA		800 Amp Rating, 72" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	9,206.91	552.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....	331.39	
26 24 16 00-0389			<b>Residential Lighting And Power Panelboards</b> <small>(26 24 16 00-0001)</small> See CSI section 26 28 16 13-0001 for circuit breakers.		
26 24 16 00-0390			<b>Residential Type Unassembled Load Center</b> <small>(26 24 16 00-0389)</small> Note: Interior box and cover, includes ground bar kit.		
26 24 16 00-0391			<b>Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase</b> <small>(26 24 16 00-0390)</small>		
26 24 16 00-0392	EA		30 Amp, 2 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	111.69	36.69
26 24 16 00-0393	EA		70 Amp, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	350.44	146.75
26 24 16 00-0394	EA		100 Amp, 8 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	542.18	209.49
26 24 16 00-0395	EA		125 Amp, 24 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	1,166.54	440.34
26 24 16 00-0396	EA		150 Amp, 30 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	1,280.41	476.96
26 24 16 00-0397			<b>Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 V AC</b> <small>(26 24 16 00-0390)</small> Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V AC Delta.		
26 24 16 00-0398	EA		60 Amp, 3 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled.....	166.48	40.36
26 24 16 00-0399	EA		125 Amp, 3 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled.....	326.75	44.03
26 24 16 00-0400			<b>Main Lug Load Center, 3 Wire 120/240 Volt, Single Phase, Rainproof</b> <small>(26 24 16 00-0390)</small>		
26 24 16 00-0401	EA		40 Amp, 2 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	169.99	40.36
26 24 16 00-0402	EA		70 Amp, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	190.61	44.03
26 24 16 00-0403	EA		100 Amp, 8 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	612.38	209.49
26 24 16 00-0404	EA		150 Amp, 30 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	1,387.25	476.96
26 24 16 00-0405			<b>Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 V AC</b> <small>(26 24 16 00-0390)</small> Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V AC Delta, Rainproof.		
26 24 16 00-0406	EA		60 A, 3 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled.....	219.90	40.36
26 24 16 00-0407	EA		125 A, 20 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled.....	1,362.05	440.34
26 24 16 00-0408			<b>Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase</b> <small>(26 24 16 00-0390)</small>		
26 24 16 00-0409	EA		125 Amp, 24 Circuit, Main Breaker Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	1,499.26	440.34
26 24 16 00-0410	EA		150 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	1,628.39	476.96
26 24 16 00-0411	EA		300 Amp, 42 Circuit, Main Breaker Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	6,679.02	733.77
26 24 16 00-0412			<b>Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 V AC</b> <small>(26 24 16 00-0390)</small> Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V Delta.		
26 24 16 00-0413	EA		125 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled.....	2,385.70	440.34



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0414 EA 150 Amp, 40 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled .....	2,605.64	476.96
26 24 16 00-0415 EA 300 Amp, 42 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled .....	7,424.89	733.77
<b>26 24 16 00-0416 Main Breaker Load Center, 3 Wire 120/240 Volt, Single Phase, Rainproof<sup>(26)</sup></b> <small><sup>24 16 00-0390</sup></small>		
26 24 16 00-0417 EA 125 Amp, 24 Circuit, Main Breaker Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	1,598.47	440.34
26 24 16 00-0418 EA 150 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	1,797.80	476.96
<b>26 24 16 00-0419 Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 V AC<sup>(26 24 16 00-0390)</sup></b> Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V AC Delta, Rainproof.		
26 24 16 00-0420 EA 125 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled.....	2,550.23	440.34
26 24 16 00-0421 EA 155 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled.....	2,623.50	476.96
<b>26 24 16 00-0422 Residential Type Assembled Load Center<sup>(26 24 16 00-0389)</sup></b>		
<b>26 24 16 00-0423 Main Lug Load Center, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase<sup>(26 24 16 00-0422)</sup></b> Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0424 EA 100 Amp Main Lugs, Indoor 8 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers .....	542.63	209.49
26 24 16 00-0425 EA 100 Amp Main Lugs, Indoor 12 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers .....	671.07	244.72
26 24 16 00-0426 EA 100 Amp Main Lugs, Rainproof, 8 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers .....	559.42	209.49
26 24 16 00-0427 EA 100 Amp Main Lugs, Rainproof, 12 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers .....	675.65	244.72
26 24 16 00-0428 EA 200 Amp Main Lugs, Indoor, 8 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers .....	1,009.50	326.16
26 24 16 00-0429 EA 200 Amp Main Lugs, Indoor, 20 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers .....	1,184.35	391.47
26 24 16 00-0430 EA 200 Amp Main Lugs, Indoor, 24 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers .....	1,350.41	451.64
26 24 16 00-0431 EA 200 Amp Main Lugs, Indoor, 30 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers .....	1,496.77	488.92
26 24 16 00-0432 EA 200 Amp Main Lugs, Indoor, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers .....	2,238.30	733.77
26 24 16 00-0433 EA 200 Amp Main Lugs, Rainproof, 16 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers .....	1,069.02	326.16
26 24 16 00-0434 EA 200 Amp Main Lugs, Rainproof, 20 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers .....	1,240.82	391.47
26 24 16 00-0435 EA 200 Amp Main Lugs, Rainproof, 24 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers .....	1,406.88	451.64
26 24 16 00-0436 EA 200 Amp Main Lugs, Rainproof, 30 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers .....	1,550.19	488.92
26 24 16 00-0437 EA 200 Amp Main Lugs, Rainproof, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers .....	2,413.81	733.77
26 24 16 00-0438 EA 400 Amp Main Lugs, Indoor, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers .....	2,843.96	815.30
26 24 16 00-0439 EA 400 Amp Main Lugs, Rainproof, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers .....	3,027.11	815.30
<b>26 24 16 00-0440 Main Lug Load Center, 4 Wire, 20 Amp, 120/208 V<sup>(26 24 16 00-0422)</sup></b> Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0441 EA 125 Amp Main Lugs, Indoor, 12 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker .....	756.54	244.72
26 24 16 00-0442 EA 125 Amp Main Lugs, Indoor, 18 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker .....	1,126.01	366.89
26 24 16 00-0443 EA 125 Amp Main Lugs, Rainproof, 12 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker .....	806.91	244.72
26 24 16 00-0444 EA 125 Amp Main Lugs, Rainproof, 18 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker .....	1,171.80	366.89
26 24 16 00-0445 EA 200 Amp Main Lugs, Indoor, 24 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker .....	1,437.40	451.64
26 24 16 00-0446 EA 200 Amp Main Lugs, Indoor, 30 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker .....	1,573.60	489.21
26 24 16 00-0447 EA 200 Amp Main Lugs, Indoor, 36 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker .....	1,937.54	587.24
26 24 16 00-0448 EA 200 Amp Main Lugs, Indoor, 42 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker .....	2,299.35	733.77
26 24 16 00-0449 EA 200 Amp Main Lugs, Rainproof, 24 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker .....	1,490.82	451.64
26 24 16 00-0450 EA 200 Amp Main Lugs, Rainproof, 30 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker .....	1,634.13	488.92
26 24 16 00-0451 EA 200 Amp Main Lugs, Rainproof, 36 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker .....	2,142.83	586.80
26 24 16 00-0452 EA 200 Amp Main Lugs, Rainproof, 42 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker .....	2,505.39	733.77
26 24 16 00-0453 EA 400 Amp Main Lugs, Indoor, 42 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker .....	2,889.75	815.30
26 24 16 00-0454 EA 400 Amp Main Lugs, Rainproof, 42 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker .....	3,072.90	815.30
<b>26 24 16 00-0455 Main Breaker Load Center, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase<sup>(26 24 16 00-0422)</sup></b> Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0456 EA 125 Amp Main Breaker, Indoor, 12 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers .....	750.44	244.72
26 24 16 00-0457 EA 125 Amp Main Breaker, Indoor, 18 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers .....	1,104.64	366.89
26 24 16 00-0458 EA 200 Amp Main Breaker, Indoor, 20 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers .....	1,309.50	391.47
26 24 16 00-0459 EA 200 Amp Main Breaker, Indoor, 24 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers .....	1,498.89	451.86
26 24 16 00-0460 EA 200 Amp Main Breaker, Indoor, 30 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers .....	1,657.54	489.21
26 24 16 00-0461 EA 200 Amp Main Breaker, Indoor, 40 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker .....	2,189.94	652.33
26 24 16 00-0462 EA 200 Amp Main Breaker, Rainproof, 20 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker .....	1,324.76	391.47
26 24 16 00-0463 EA 200 Amp Main Breaker, Rainproof, 24 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker .....	1,528.98	451.64
26 24 16 00-0464 EA 200 Amp Main Breaker, Rainproof, 30 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker .....	1,664.65	488.92
26 24 16 00-0465 EA 200 Amp Main Breaker, Rainproof, 40 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker .....	2,106.00	652.33
26 24 16 00-0466 EA 400 Amp Main Breaker, Indoor, 42 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker .....	4,415.98	815.30
26 24 16 00-0467 EA 400 Amp Main Breaker, Rainproof, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker .....	4,721.23	815.30
<b>26 24 16 00-0468 Main Breaker Load Center, 4 Wire, 20 Amp, 120/208 V<sup>(26 24 16 00-0422)</sup></b> Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0469 EA 200 Amp Main Breaker, Indoor, 30 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker .....	2,084.89	489.21
26 24 16 00-0470 EA 200 Amp Main Breaker, Indoor, 42 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker .....	2,787.74	733.77



**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0471 EA 200 Amp Main Breaker, Rainproof, 30 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker .....	2,175.94	488.92
26 24 16 00-0472 EA 200 Amp Main Breaker, Rainproof, 42 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker .....	2,879.31	733.77
<b>26 24 16 00-0473 Panel Mounted Accessories And Fuseholders (26 24 16 00-0001)</b>		
<b>26 24 16 00-0474 Midget Finger-Safe Fuse Holders (26 24 16 00-0473)</b>		
Note: 30 Amp capacity. Excludes fuse.		
26 24 16 00-0475 EA 1 Pole Midget Finger-Safe Fuse Holder .....	45.80	13.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	8.81	
26 24 16 00-0476 EA 1 Pole With Indicator Midget Finger-Safe Fuse Holder .....	53.59	13.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	8.81	
26 24 16 00-0477 EA 2 Pole Midget Finger-Safe Fuse Holder .....	73.65	19.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	13.21	
26 24 16 00-0478 EA 2 Pole With Indicators Midget Finger-Safe Fuse Holder .....	93.99	19.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	13.21	
26 24 16 00-0479 EA 3 Pole Midget Finger-Safe Fuse Holder .....	107.81	26.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	17.61	
26 24 16 00-0480 EA 3 Pole With Indicators Midget Finger-Safe Fuse Holder .....	134.82	26.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	17.61	
26 24 16 00-0481 EA 3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder .....	157.41	26.42
Note: With indicators.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	17.61	
26 24 16 00-0482 EA 3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder .....	127.46	26.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	17.61	
26 24 16 00-0483 EA 4 Pole Midget Finger-Safe Fuse Holder .....	135.74	33.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	22.01	
26 24 16 00-0484 EA 4 Pole With Indicator Midget Finger-Safe Fuse Holder .....	165.40	33.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	22.01	
26 24 16 00-0485 EA 12 To 24 Volt DC Midget Finger-Safe Fuse Holder .....	53.61	13.20
Note: With indicator.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	8.81	
26 24 16 00-0486 EA 20 To 24 Volt DC Midget Finger-Safe Fuse Holder .....	57.75	13.20
Note: With indicator.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	8.81	
26 24 16 00-0487 EA 35 To 48 Volt DC Midget Finger-Safe Fuse Holder .....	54.38	13.20
Note: With indicator.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	8.81	
<b>26 24 16 00-0488 Removal And Reinstallation Of Panelboards (26 24 16 00-0001)</b>		
Note: Includes storage, cleaning and supply materials.		
26 24 16 00-0489 EA Removal And Reinstallation Of Up To 42 Circuit Capacity Panelboards With Breakers .....	923.37	
Note: Includes removal and reinstallation of main wiring to panelboard.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	275.17	
26 24 16 00-0490 EA Removal And Reinstallation Of Breaker, 1-2-3 Pole, Any Amperage .....	49.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	14.31	
26 24 16 00-0491 EA Panelboard Filler Plate, Fits 1" Opening .....	4.07	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	0.69	
<b>26 24 19 Motor-Control Centers (26 24)</b>		
<b>26 24 19 00-0001 Combination Starters With Molded Case Circuit Breakers (26 24 19)</b>		
Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" o 20" Deep), fully factory assembled and wired internally.		
<b>26 24 19 00-0002 230 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)</b>		
Note: 1-Speed non-reversing.		
26 24 19 00-0003 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination With Molded Case Circuit .....	1,641.51	67.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	40.25	
26 24 19 00-0004 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination With Molded Case Circuit .....	1,946.21	70.43
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	42.26	
26 24 19 00-0005 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination With Molded Case Circuit .....	2,903.67	73.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	44.27	
26 24 19 00-0006 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit .....	5,275.08	87.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	52.33	
26 24 19 00-0007 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit .....	10,642.23	100.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	60.38	
26 24 19 00-0008 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit .....	17,913.31	134.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	80.50	
<b>26 24 19 00-0009 480 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)</b>		
Note: 1-Speed non-reversing.		
26 24 19 00-0010 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination With Molded Case Circuit .....	1,641.51	67.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	40.25	
26 24 19 00-0011 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination With Molded Case Circuit .....	1,946.21	70.43
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	42.26	
26 24 19 00-0012 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit .....	2,903.67	73.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	44.27	
26 24 19 00-0013 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit .....	5,275.08	87.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	52.33	
26 24 19 00-0014 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit .....	10,642.23	100.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add .....	60.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0015 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,913.31 80.50	134.17
<b>26 24 19 00-0016 230 Volt Combination With Molded Case Circuit, Full Volt</b> <small>(26 24 19 00-0001)</small> Note: 1-Speed reversing.		
26 24 19 00-0017 EA 230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,385.71 40.25	67.08
26 24 19 00-0018 EA 230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,183.93 42.26	70.43
26 24 19 00-0019 EA 230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,570.25 44.27	73.79
26 24 19 00-0020 EA 230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,005.94 52.33	87.21
26 24 19 00-0021 EA 230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,774.42 60.38	100.62
26 24 19 00-0022 EA 230 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,193.83 80.50	134.17
<b>26 24 19 00-0023 480 Volt Combination With Molded Case Circuit, Full Volt</b> <small>(26 24 19 00-0001)</small> Note: 1-Speed reversing.		
26 24 19 00-0024 EA 480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,385.71 40.25	67.08
26 24 19 00-0025 EA 480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,183.93 42.26	70.43
26 24 19 00-0026 EA 480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,570.25 44.27	73.79
26 24 19 00-0027 EA 480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,005.94 52.33	87.21
26 24 19 00-0028 EA 480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,774.42 60.38	100.62
26 24 19 00-0029 EA 480 Volt, Full Volt, 1 Speed, Reversing, 400 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,193.83 80.50	134.17
<b>26 24 19 00-0030 230 Volt Combination With Molded Case Circuit, Full Volt</b> <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0031 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,896.64 64.40	107.33
26 24 19 00-0032 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,991.69 68.42	114.04
26 24 19 00-0033 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,887.69 72.45	120.75
26 24 19 00-0034 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,539.43 82.51	137.52
26 24 19 00-0035 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,475.05 96.60	161.00
<b>26 24 19 00-0036 480 Volt Combination With Molded Case Circuit, Full Volt</b> <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0037 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,896.64 64.40	107.33
26 24 19 00-0038 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,991.69 68.42	114.04
26 24 19 00-0039 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,887.69 72.45	120.75
26 24 19 00-0040 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,539.43 82.51	137.52
26 24 19 00-0041 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,475.05 96.60	161.00
<b>26 24 19 00-0042 230 Volt Combination With Molded Case Circuit, Full Volt</b> <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0043 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,358.54 40.25	67.08
26 24 19 00-0044 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,005.03 42.26	70.43
26 24 19 00-0045 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,856.48 44.27	73.79
26 24 19 00-0046 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,892.17 52.33	87.21
26 24 19 00-0047 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,347.73 60.38	100.62
<b>26 24 19 00-0048 480 Volt Combination With Molded Case Circuit, Full Volt</b> <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0049 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,358.54 40.25	67.08
26 24 19 00-0050 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,005.03 42.26	70.43

<b>26</b>	<b>Electrical</b>
<b>26 20</b>	<b>Low-Voltage Electrical Distribution</b>
<b>26 24</b>	<b>Switchboards And Panelboards</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0051 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,856.48 44.27	73.79
26 24 19 00-0052 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,892.17 52.33	87.21
26 24 19 00-0053 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,347.73 60.38	100.62
<b>26 24 19 00-0054 230 Volt Combination With Molded Case Circuit</b> (26 24 19 00-0001) Note: Reducing volt, auto-transformer.		
26 24 19 00-0055 EA 230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination With Molded Case Circuit .....	4,973.50	70.43
26 24 19 00-0056 EA 230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination With Molded Case Circuit .....	7,621.59	77.14
26 24 19 00-0057 EA 230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit .....	12,855.90	87.21
26 24 19 00-0058 EA 230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit .....	19,894.37	100.62
26 24 19 00-0059 EA 230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit .....	34,043.06	134.17
<b>26 24 19 00-0060 480 Volt Combination With Molded Case Circuit</b> (26 24 19 00-0001) Note: Reducing volt, auto-transformer.		
26 24 19 00-0061 EA 480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination With Molded Case Circuit .....	4,973.50	70.43
26 24 19 00-0062 EA 480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit .....	7,621.59	77.14
26 24 19 00-0063 EA 480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit .....	12,855.90	87.21
26 24 19 00-0064 EA 480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit .....	19,894.37	100.62
26 24 19 00-0065 EA 480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination With Molded Case Circuit .....	34,043.06	134.17
<b>26 24 19 00-0066 230 Volt Combination With Molded Case Circuit</b> (26 24 19 00-0001) Note: Reducing volt, part winding.		
26 24 19 00-0067 EA 230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,383.85 64.40	107.33
26 24 19 00-0068 EA 230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,374.45 74.46	124.10
26 24 19 00-0069 EA 230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,709.23 82.51	137.52
26 24 19 00-0070 EA 230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,154.08 100.63	167.71
26 24 19 00-0071 EA 230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,074.32 128.81	214.66
<b>26 24 19 00-0072 480 Volt Combination With Molded Case Circuit</b> (26 24 19 00-0001) Note: Reducing volt, part winding.		
26 24 19 00-0073 EA 480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,383.85 64.40	107.33
26 24 19 00-0074 EA 480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,374.45 74.46	124.10
26 24 19 00-0075 EA 480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,709.23 82.51	137.52
26 24 19 00-0076 EA 480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,154.08 100.63	167.71
26 24 19 00-0077 EA 480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,074.32 128.81	214.66
<b>26 24 19 00-0078 230 Volt Combination With Molded Case Circuit</b> (26 24 19 00-0001) Note: Reducing volt, energy saver.		
26 24 19 00-0079 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7-1/2 HP Combination With Molded Case Circuit .....	14,058.93 52.33	87.21
26 24 19 00-0080 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination With Molded Case Circuit .....	14,911.18 64.40	107.33
26 24 19 00-0081 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination With Molded Case Circuit .....	16,464.67 74.46	124.10
26 24 19 00-0082 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit .....	24,939.53 82.51	137.52
26 24 19 00-0083 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit .....	34,017.11 100.63	167.71
26 24 19 00-0084 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit .....	46,166.57 128.81	214.66
<b>26 24 19 00-0085 480 Volt Combination With Molded Case Circuit</b> (26 24 19 00-0001) Note: Reducing volt, energy saver.		
26 24 19 00-0086 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination With Molded Case Circuit .....	14,058.93 52.33	87.21



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0087 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,911.18 64.40	107.33
26 24 19 00-0088 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,464.67 74.46	124.10
26 24 19 00-0089 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,939.53 82.51	137.52
26 24 19 00-0090 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34,017.11 100.63	167.71
26 24 19 00-0091 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46,166.57 128.81	214.66
<b>26 24 19 00-0092</b> <b>Combination Starters With Current Limiting Circuit Breakers</b> <small>(26 24 19)</small> Note: Includes NEMA 1 enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and wired internally.		
<b>26 24 19 00-0093</b> <b>230 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0094 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,201.24 40.25	67.08
26 24 19 00-0095 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,505.95 42.26	70.43
26 24 19 00-0096 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,882.81 44.27	73.79
26 24 19 00-0097 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,165.56 52.33	87.21
26 24 19 00-0098 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,840.16 60.38	100.62
26 24 19 00-0099 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,935.86 80.50	134.17
<b>26 24 19 00-0100</b> <b>480 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0101 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,201.24 40.25	67.08
26 24 19 00-0102 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,505.95 42.26	70.43
26 24 19 00-0103 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,882.81 44.27	73.79
26 24 19 00-0104 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,165.56 52.33	87.21
26 24 19 00-0105 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,840.16 60.38	100.62
26 24 19 00-0106 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,935.86 80.50	134.17
<b>26 24 19 00-0107</b> <b>230 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Full volt, 1-speed reversing.		
26 24 19 00-0108 EA 230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,940.71 40.25	67.08
26 24 19 00-0109 EA 230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,732.63 42.26	70.43
26 24 19 00-0110 EA 230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,527.32 44.27	73.79
26 24 19 00-0111 EA 230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,871.19 52.33	87.21
26 24 19 00-0112 EA 230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,928.21 60.38	100.62
<b>26 24 19 00-0113</b> <b>480 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Full volt, 1-speed reversing.		
26 24 19 00-0114 EA 480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,940.71 40.25	67.08
26 24 19 00-0115 EA 480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,732.63 42.26	70.43
26 24 19 00-0116 EA 480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,527.32 44.27	73.79
26 24 19 00-0117 EA 480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,871.19 52.33	87.21
26 24 19 00-0118 EA 480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,928.21 60.38	100.62
<b>26 24 19 00-0119</b> <b>230 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Full volt, 2-speed non-reversing, 2 wind.		

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0120	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit	3,442.19	107.33
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.40	
26 24 19 00-0121	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit	4,529.35	114.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.42	
26 24 19 00-0122	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	6,828.99	120.75
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.45	
26 24 19 00-0123	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	12,382.60	137.52
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.51	
26 24 19 00-0124	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	19,611.49	161.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.60	
<b>26 24 19 00-0125</b>		<b>480 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small>		
		Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0126	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	3,442.19	107.33
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.40	
26 24 19 00-0127	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	4,529.35	114.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.42	
26 24 19 00-0128	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	6,828.99	120.75
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.45	
26 24 19 00-0129	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	12,382.60	137.52
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.51	
26 24 19 00-0130	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	19,611.49	161.00
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.60	
<b>26 24 19 00-0131</b>		<b>230 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small>		
		Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0132	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit	3,971.17	100.62
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.38	
26 24 19 00-0133	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit	5,607.01	107.33
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.40	
26 24 19 00-0134	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	7,873.55	114.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.42	
26 24 19 00-0135	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	14,800.47	130.81
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.49	
26 24 19 00-0136	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	24,548.95	154.29
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.58	
<b>26 24 19 00-0137</b>		<b>480 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small>		
		Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0138	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	3,971.17	100.62
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.38	
26 24 19 00-0139	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	5,607.01	107.33
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.40	
26 24 19 00-0140	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	7,873.55	114.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.42	
26 24 19 00-0141	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	14,800.47	130.81
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.49	
26 24 19 00-0142	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	24,548.95	154.29
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.58	
<b>26 24 19 00-0143</b>		<b>230 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small>		
		Note: Reduced volt, auto-transformer.		
26 24 19 00-0144	EA	230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination Starters With Current Limiting Circuit	5,503.27	70.43
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.26	
26 24 19 00-0145	EA	230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination Starters With Current Limiting Circuit	8,870.35	77.14
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.29	
26 24 19 00-0146	EA	230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit	15,001.81	87.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.33	
26 24 19 00-0147	EA	230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit	22,734.02	100.62
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0148 EA 230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37,412.49 80.50	134.17
<b>26 24 19 00-0149 480 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Reduced volt, auto-transformer.		
26 24 19 00-0150 EA 480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,503.27 42.26	70.43
26 24 19 00-0151 EA 480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,870.35 46.29	77.14
26 24 19 00-0152 EA 480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,001.81 52.33	87.21
26 24 19 00-0153 EA 480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,734.02 60.38	100.62
26 24 19 00-0154 EA 480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37,412.49 80.50	134.17
<b>26 24 19 00-0155 230 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Reduced volt, part winding.		
26 24 19 00-0156 EA 230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,929.39 64.40	107.33
26 24 19 00-0157 EA 230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,908.96 74.46	124.10
26 24 19 00-0158 EA 230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,644.22 82.51	137.52
26 24 19 00-0159 EA 230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,326.79 100.63	167.71
26 24 19 00-0160 EA 230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,618.40 128.81	214.66
<b>26 24 19 00-0161 480 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Reduced volt, part winding.		
26 24 19 00-0162 EA 480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,929.39 64.40	107.33
26 24 19 00-0163 EA 480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,908.96 74.46	124.10
26 24 19 00-0164 EA 480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,644.22 82.51	137.52
26 24 19 00-0165 EA 480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,326.79 100.63	167.71
26 24 19 00-0166 EA 480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,618.40 128.81	214.66
<b>26 24 19 00-0167 230 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Reduced volt, energy saving		
26 24 19 00-0168 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7.5 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,511.45 52.33	87.21
26 24 19 00-0169 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,358.97 64.40	107.33
26 24 19 00-0170 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,896.69 74.46	124.10
26 24 19 00-0171 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,297.44 82.51	137.52
26 24 19 00-0172 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34,294.62 100.63	167.71
26 24 19 00-0173 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48,069.66 128.81	214.66
<b>26 24 19 00-0174 480 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Reduced volt, energy saving		
26 24 19 00-0175 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,511.48 52.34	87.21
26 24 19 00-0176 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,358.97 64.40	107.33
26 24 19 00-0177 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,896.69 74.46	124.10
26 24 19 00-0178 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,297.44 82.51	137.52



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0179	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit.....	34,294.62	167.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	100.63	
26 24 19 00-0180	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination Starters With Current Limiting Circuit.....	48,069.66	214.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	128.81	
<b>26 24 19 00-0181</b>		<b>Combination Starters With Fusible Switch</b> <small>(26 24 19)</small>		
		Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and Wired Internally.		
<b>26 24 19 00-0182</b>		<b>230 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small>		
		Note: 1-Speed non-reversing.		
26 24 19 00-0183	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	1,458.61	67.08
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.25	
26 24 19 00-0184	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,017.17	70.43
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.26	
26 24 19 00-0185	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	3,411.37	73.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.27	
26 24 19 00-0186	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	6,027.17	87.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.33	
26 24 19 00-0187	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	9,793.96	100.62
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.38	
26 24 19 00-0188	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	17,479.71	134.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.50	
<b>26 24 19 00-0189</b>		<b>480 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small>		
		Note: 1-Speed non-reversing.		
26 24 19 00-0190	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	1,458.61	67.08
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.25	
26 24 19 00-0191	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,017.17	70.43
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.26	
26 24 19 00-0192	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	3,411.37	73.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.27	
26 24 19 00-0193	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	6,027.17	87.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.33	
26 24 19 00-0194	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	9,793.96	100.62
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.38	
26 24 19 00-0195	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	17,479.71	134.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.50	
<b>26 24 19 00-0196</b>		<b>230 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small>		
		Note: 1-Speed reversing.		
26 24 19 00-0197	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	2,365.22	67.08
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.25	
26 24 19 00-0198	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	3,530.81	70.43
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.26	
26 24 19 00-0199	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	5,658.18	73.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.27	
26 24 19 00-0200	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	9,229.47	87.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.33	
26 24 19 00-0201	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	14,207.17	100.62
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.38	
26 24 19 00-0202	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	24,158.66	134.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.50	
<b>26 24 19 00-0203</b>		<b>480 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small>		
		Note: 1-Speed reversing.		
26 24 19 00-0204	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	2,365.22	67.08
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.25	
26 24 19 00-0205	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	3,530.81	70.43
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.26	
26 24 19 00-0206	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	5,658.18	73.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.27	
26 24 19 00-0207	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	9,229.47	87.21
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.33	
26 24 19 00-0208	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	14,207.17	100.62
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.38	
26 24 19 00-0209	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	24,158.66	134.17
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.50	
<b>26 24 19 00-0210</b>		<b>230 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small>		
		Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0211	EA	10 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	2,764.20	107.33
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.40	
26 24 19 00-0212	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	3,808.79	114.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.42	
26 24 19 00-0213	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	6,005.94	120.75
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0214 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,744.40 82.51	137.52
26 24 19 00-0215 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,129.75 96.60	161.00
<b>26 24 19 00-0216 480 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0217 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,764.20 64.40	107.33
26 24 19 00-0218 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,808.79 68.42	114.04
26 24 19 00-0219 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,005.94 72.45	120.75
26 24 19 00-0220 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,744.40 82.51	137.52
26 24 19 00-0221 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,129.75 96.60	161.00
<b>26 24 19 00-0222 230 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small> Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0223 EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,166.18 40.25	67.08
26 24 19 00-0224 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,834.75 42.26	70.43
26 24 19 00-0225 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,966.85 44.27	73.79
26 24 19 00-0226 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,055.78 52.33	87.21
<b>26 24 19 00-0227 480 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small> Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0228 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,166.18 40.25	67.08
26 24 19 00-0229 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,834.75 42.26	70.43
26 24 19 00-0230 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,966.85 44.27	73.79
26 24 19 00-0231 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,055.78 52.33	87.21
<b>26 24 19 00-0232 230 Volt Combination Starters With Fusible Switch, Reduced Volt</b> <small>(26 24 19 00-0181)</small> Note: Auto-transformer.		
26 24 19 00-0233 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,801.64 42.26	70.43
26 24 19 00-0234 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,487.21 46.29	77.14
26 24 19 00-0235 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,148.81 52.33	87.21
26 24 19 00-0236 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,894.73 60.38	100.62
26 24 19 00-0237 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,750.52 80.50	134.17
<b>26 24 19 00-0238 480 Volt Combination Starters With Fusible Switch, Reduced Volt</b> <small>(26 24 19 00-0181)</small> Note: Auto-transformer.		
26 24 19 00-0239 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,801.64 42.26	70.43
26 24 19 00-0240 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,487.21 46.29	77.14
26 24 19 00-0241 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,148.81 52.33	87.21
26 24 19 00-0242 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,894.73 60.38	100.62
26 24 19 00-0243 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,750.52 80.50	134.17
<b>26 24 19 00-0244 230 Volt Combination Starters With Fusible Switch, Reduced Volt</b> <small>(26 24 19 00-0181)</small> Note: Part winding.		
26 24 19 00-0245 EA 10 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,404.35 64.40	107.33
26 24 19 00-0246 EA 25 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,510.05 74.46	124.10
26 24 19 00-0247 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,192.07 82.51	137.52
26 24 19 00-0248 EA 75 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,357.11 100.63	167.71



**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 24 19 00-0249 480 Volt Combination Starters With Fusible Switch, Reduced Volt</b> (26 24 19 00-0181) Note: Part winding.		
26 24 19 00-0250 EA 15 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	3,404.35	107.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.40	
26 24 19 00-0251 EA 40 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	4,510.05	124.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	74.46	
26 24 19 00-0252 EA 75 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	7,192.07	137.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	82.51	
26 24 19 00-0253 EA 150 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters.....	14,357.11	167.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	100.63	
<b>26 24 19 00-0254 230 Volt Combination Starters With Fusible Switch, Reduced Volt</b> (26 24 19 00-0181) Note: Energy saver.		
26 24 19 00-0255 EA 7.5 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	14,057.36	87.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.33	
26 24 19 00-0256 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	14,911.18	107.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.40	
26 24 19 00-0257 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	16,464.67	124.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	74.46	
26 24 19 00-0258 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	24,939.53	137.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	82.51	
26 24 19 00-0259 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	34,017.11	167.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	100.63	
26 24 19 00-0260 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	46,166.57	214.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	128.81	
<b>26 24 19 00-0261 480 Volt Combination Starters With Fusible Switch, Reduced Volt</b> (26 24 19 00-0181) Note: Energy saver.		
26 24 19 00-0262 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	14,057.36	87.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.33	
26 24 19 00-0263 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	14,911.18	107.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.40	
26 24 19 00-0264 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	16,464.67	124.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	74.46	
26 24 19 00-0265 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	24,939.53	137.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	82.51	
26 24 19 00-0266 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	34,017.11	167.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	100.63	
26 24 19 00-0267 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP.....	46,166.57	214.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	128.81	
<b>26 24 19 00-0268 Starter Accessories</b> (26 24 19)		
<b>26 24 19 00-0269 Starter Modifications</b> (26 24 19 00-0268)		
26 24 19 00-0270 EA Control Circuit Transformer 60 Hertz, Size 1, 2, 50 VA Standard.....	105.53	
26 24 19 00-0271 EA Control Circuit Transformer 60 Hertz, Size 3, 4, 150 VA Standard.....	245.97	
26 24 19 00-0272 EA Control Circuit Transformer 60 Hertz, Size 5, 6, 50 VA.....	351.61	
26 24 19 00-0273 EA Control Circuit Transformer 60 Hertz, All Sizes, Extra 50 VA.....	88.30	
26 24 19 00-0274 EA Control Circuit Transformer 60 Hertz, All Sizes, Extra 100 VA.....	124.56	
26 24 19 00-0275 EA Control Circuit Transformer 60 Hertz, All Sizes, Extra 150 VA.....	209.70	
26 24 19 00-0276 EA Overload Relay Heater Elements, 3 Per Starter.....	52.03	
26 24 19 00-0277 EA N.O. Overload Relay Alarm.....	44.15	
26 24 19 00-0278 EA Control Circuit Fuses, Primary/Secondary.....	98.42	
26 24 19 00-0279 EA Control Devices Type PB2 Mount On Device, 2 Unit Pushbutton.....	121.68	
26 24 19 00-0280 EA Control Devices Type PB2 Mount On Device, 3 Unit Pushbutton.....	237.99	
26 24 19 00-0281 EA Control Devices Type PB2 Mount On Device, 2 Or 3 Post Select.....	121.68	
26 24 19 00-0282 EA Control Devices Type PB2 Mount On Device, Individual Light Full V.....	139.57	
26 24 19 00-0283 EA Control Devices Type PB2 Mount On Device, Individual Light Transformer.....	168.20	
26 24 19 00-0284 EA Control Devices Type PB2 Mount On Device, Individual Light Push To.....	198.62	
26 24 19 00-0285 EA Blank Devices Panel.....	37.58	
26 24 19 00-0286 EA Oversize Or Special Color Starter.....	59.05	
26 24 19 00-0287 EA Mini Voltmeter/Ammeter With Current Transformer.....	512.21	
26 24 19 00-0288 EA Mini Elapsed Time Meters, Non Resettable.....	463.90	
26 24 19 00-0289 EA Panel Elapsed Time Meter, Resettable.....	697.86	
26 24 19 00-0290 EA Terminal Blocks, Side Mounted, Press Connection, Plug-In Press.....	59.05	
26 24 19 00-0291 EA Terminal Blocks, Side Mounted, Press Connection, Plug-In Screw.....	84.10	
26 24 19 00-0292 EA Terminal Blocks, Front Mounted, Press Connection, Standard.....	59.05	
26 24 19 00-0293 EA Terminal Blocks, Front Mounted, Press Connection, Plug-In.....	84.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0294 EA Terminal Blocks, Front Mounted, Press Connection, Screw-Type Utility .....	84.10	
26 24 19 00-0295 EA Terminal Blocks, Front Mounted, Press Connection, Plug-In Screw Type.....	121.68	
26 24 19 00-0296 EA MOR - A Solid State Modular Overload Relay.....	302.41	
26 24 19 00-0297 EA Heater Module .....	44.65	
26 24 19 00-0298 EA LAM - Long Acceleration Module.....	277.35	
26 24 19 00-0299 EA JAM - Jam Protection Module.....	317.93	
26 24 19 00-0300 EA PUM - Phase Unbalance Module.....	603.40	
26 24 19 00-0301 EA ULM - Underload Module.....	289.52	
26 24 19 00-0302 EA Wiring To Common Control Circuit Transformer.....	63.59	
26 24 19 00-0303 EA Handle Operator Separable Source Control Circuit.....	119.06	
26 24 19 00-0304 EA Type SIS Control Wire.....	50.06	
26 24 19 00-0305 EA Ring Or Spade Terminals Control.....	63.59	
26 24 19 00-0306 EA Ring Terminals Power .....	63.59	
26 24 19 00-0307 EA 14 Gauge Control Wire .....	50.06	
26 24 19 00-0308 EA Wiremakers.....	63.59	
26 24 19 00-0309 EA Wiring Diagram On Door.....	37.88	
26 24 19 00-0310 EA Special Color Or Type Control Wire.....	46.00	
26 24 19 00-0311 EA Current Transformer 12.5 VA.....	361.23	
26 24 19 00-0312 EA Ground Fault Relay-Instant Non-Adjust, Size 1 Thru 4.....	1,154.04	
26 24 19 00-0313 EA Ground Fault Relay-Instant Non-Adjust, Size 5 Thru 6.....	1,298.80	
<b>26 24 19 00-0314 Control Relays And Special Components</b> <small>(26 24 19 00-0268)</small>		
26 24 19 00-0315 EA Control Relays, 600 Volt, 2 Pole.....	622.90	
26 24 19 00-0316 EA Control Relays, 600 Volt, 4 Pole.....	727.46	
26 24 19 00-0317 EA Control Relays, 600 Volt, 6 Pole.....	838.73	
26 24 19 00-0318 EA Control Relays, 600 Volt, 8 Pole.....	926.71	
26 24 19 00-0319 EA Control Relays, Pneumatic Timer.....	851.34	
26 24 19 00-0320 EA Control Relays, Motor Driven Timer.....	2,218.46	
26 24 19 00-0321 EA Control Relays, 7 Day Time Switch.....	2,792.23	
26 24 19 00-0322 EA Control Relays, 24 Hour Time Switch.....	782.99	
26 24 19 00-0323 EA Control Relays, Phase Voltage.....	1,331.90	
26 24 19 00-0324 EA Control Relays, Two Circuit Alternator.....	1,864.25	
26 24 19 00-0325 EA Control Relays, Manual 120 Volt.....	182.28	
26 24 19 00-0326 EA Control Relays, Over-Current Relay.....	2,581.36	
26 24 19 00-0327 EA Control Relays, UV-Relay.....	2,186.31	
26 24 19 00-0328 EA Control Relays, Over-Current Relay.....	2,186.31	
26 24 19 00-0329 EA Control Relays, Teleductor.....	1,373.33	
26 24 19 00-0330 EA Control Relays, Current Transducer.....	3,693.29	
26 24 19 00-0331 EA Control Relays, Watt Transducer.....	7,386.57	
26 24 19 00-0332 EA Control Relays, Blank, Add For Each 1x.....	250.64	
26 24 19 00-0333 EA Control Relays, Fixed Mounted Back Pan, 20" Structure With Wireway.....	374.92	
26 24 19 00-0334 EA Control Relays, Fixed Mounted Back Pan, 24" Structure With Wireway.....	422.56	
26 24 19 00-0335 EA Control Relays, Fixed Mounted Back Pan, 280" Structure With Wireway.....	470.21	
26 24 19 00-0336 EA Control Relays, Fixed Mounted Back Pan, 20" Structure Without Wireway.....	422.56	
26 24 19 00-0337 EA Control Relays, Fixed Mounted Back Pan, 24" Structure Without Wireway.....	470.21	
26 24 19 00-0338 EA Control Relays, Fixed Mounted Back Pan, 2820" Structure Without Wireway.....	495.06	
<b>26 24 19 00-0339 Circuit Breaker Modifications/Accessories</b> <small>(26 24 19 00-0268)</small>		
26 24 19 00-0340 EA Circuit Breaker, Shunt Trip.....	267.29	
26 24 19 00-0341 EA Circuit Breaker, Auxiliary Switch.....	92.32	
26 24 19 00-0342 EA Circuit Breaker, Key Interlock.....	332.07	
26 24 19 00-0343 EA Circuit Breaker, GFR Ground Fault.....	1,530.80	
26 24 19 00-0344 EA Circuit Breaker, Seltronic Breaker.....	886.76	
<b>26 24 19 00-0345 Incoming Line And Feeder Circuit Breakers</b> <small>(26 24 19 00-0268)</small>		
26 24 19 00-0346 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100.....	1,085.53	43.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.16	
26 24 19 00-0347 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150.....	1,883.59	67.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.25	
26 24 19 00-0348 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/100.....	1,824.18	43.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.16	
26 24 19 00-0349 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/150.....	2,620.67	67.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.25	
26 24 19 00-0350 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150/150.....	3,373.31	67.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.25	
26 24 19 00-0351 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 250.....	2,066.93	87.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	52.34	
26 24 19 00-0352 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 400.....	3,371.03	93.91
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.36	
26 24 19 00-0353 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 600.....	4,447.77	120.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.42	
26 24 19 00-0354 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 800.....	5,216.13	184.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	110.72	
26 24 19 00-0355 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 1200.....	7,380.74	278.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	167.17	
26 24 19 00-0356 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2000.....	16,270.55	368.96
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	221.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0357 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2500 .....	24,345.29	462.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	277.46	
26 24 19 00-0358 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 3000 .....	40,704.37	536.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	322.28	
26 24 19 00-0359 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50.....	1,307.90	43.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.16	
26 24 19 00-0360 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150.....	2,099.74	67.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.25	
26 24 19 00-0361 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50.....	1,307.90	43.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.16	
26 24 19 00-0362 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/50.....	2,099.74	67.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.25	
26 24 19 00-0363 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/150.....	2,236.26	43.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.16	
26 24 19 00-0364 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150/150.....	3,059.19	67.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.25	
26 24 19 00-0365 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50.....	3,802.50	67.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.25	
26 24 19 00-0366 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 100.....	1,992.44	67.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.25	
26 24 19 00-0367 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 400.....	5,041.97	184.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	110.72	
26 24 19 00-0368 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-225 .....	5,041.97	184.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	110.72	
26 24 19 00-0369 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-400 .....	6,809.08	201.25
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	120.70	
26 24 19 00-0370 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-600 .....	8,508.92	234.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	140.81	
26 24 19 00-0371 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-800 .....	9,787.94	278.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	167.17	
<b>26 24 19 00-0372 Incoming Line And Feeder Fusible Switches (26 24 19 00-0268)</b>		
26 24 19 00-0373 EA Incoming Line And Feeder Fusible Switches, 30 Or 60 Amps .....	1,089.33	67.08
26 24 19 00-0374 EA Incoming Line And Feeder Fusible Switches, 30 Dual / 60 Dual.....	1,683.26	67.08
26 24 19 00-0375 EA Incoming Line And Feeder Fusible Switches, 100 Amps .....	1,875.14	83.85
26 24 19 00-0376 EA Incoming Line And Feeder Fusible Switches, 200 Amps .....	3,061.00	100.62
26 24 19 00-0377 EA Incoming Line And Feeder Fusible Switches, 400 Amps .....	6,056.82	127.46
26 24 19 00-0378 EA Incoming Line And Feeder Fusible Switches, 600 Amps .....	8,499.36	167.71
26 24 19 00-0379 EA Incoming Line And Feeder Fusible Switches, 800 Amps .....	20,731.50	224.73
26 24 19 00-0380 EA Incoming Line And Feeder Fusible Switches, 1,200 Amps .....	23,371.05	311.94
<b>26 24 19 00-0381 Dry Type Distribution Transformers (26 24 19 00-0268)</b>		
26 24 19 00-0382 EA 500 VA, Phase 1, Dry Type Distribution Transformers .....	1,060.54	
26 24 19 00-0383 EA 750 VA, Phase 1, Dry Type Distribution Transformers .....	1,094.75	
26 24 19 00-0384 EA 1,000 VA, Phase 1, Dry Type Distribution Transformers .....	1,130.51	
26 24 19 00-0385 EA 1,500 VA, Phase 1, Dry Type Distribution Transformers .....	1,296.90	
26 24 19 00-0386 EA 2,000 VA, Phase 1, Dry Type Distribution Transformers .....	1,405.75	
26 24 19 00-0387 EA 3,000 VA, Phase 1, Dry Type Distribution Transformers .....	1,451.68	
26 24 19 00-0388 EA 5,000 VA, Phase 1, Dry Type Distribution Transformers .....	1,912.70	
26 24 19 00-0389 EA 7,500 VA, Phase 1, Dry Type Distribution Transformers .....	2,155.28	
26 24 19 00-0390 EA 9,000 VA, Phase 3, Dry Type Distribution Transformers .....	5,010.33	
26 24 19 00-0391 EA 10,000 VA, Phase 1, Dry Type Distribution Transformers .....	2,659.11	
26 24 19 00-0392 EA 15,000 VA, Phase 1, Dry Type Distribution Transformers .....	3,683.88	
26 24 19 00-0393 EA 15,000 VA, Phase 3, Dry Type Distribution Transformers .....	5,741.20	
26 24 19 00-0394 EA 20,000 VA, Phase 1, Dry Type Distribution Transformers .....	5,316.67	
26 24 19 00-0395 EA 30,000 VA, Phase 1, Dry Type Distribution Transformers .....	7,367.76	
26 24 19 00-0396 EA 30,000 VA, Phase 3, Dry Type Distribution Transformers .....	6,940.45	
26 24 19 00-0397 EA 45,000 VA, Phase 1, Dry Type Distribution Transformers .....	9,613.80	
<b>26 24 19 00-0398 Metering Equipment (26 24 19 00-0268)</b>		
26 24 19 00-0399 EA Metering Equipment, Voltmeter, Panel Type .....	576.18	
26 24 19 00-0400 EA Metering Equipment, Voltmeter, Switchboard Type .....	1,259.72	
26 24 19 00-0401 EA Metering Equipment, Ammeter, Panel .....	518.92	
26 24 19 00-0402 EA Metering Equipment, Ammeter, Switchboard Type .....	1,259.72	
26 24 19 00-0403 EA Metering Equipment, Voltmeter/Ammeter, Switch.....	699.65	
26 24 19 00-0404 EA Metering Equipment, Control Switch, 4 Circuits.....	742.59	
26 24 19 00-0405 EA Add For Additional Circuits .....	74.41	
26 24 19 00-0406 EA Metering Equipment, Indicating Wattmeter .....	2,598.18	
26 24 19 00-0407 EA Metering Equipment, Indicating Power Factor .....	2,721.65	
26 24 19 00-0408 EA Metering Equipment, Integrating Watt-hour .....	2,399.56	
26 24 19 00-0409 EA Add For Demand Attachment .....	487.05	
26 24 19 00-0410 EA Metering Equipment, Current Transformer, 800 Amp .....	717.54	
26 24 19 00-0411 EA Metering Equipment, Current Transformer, 1,000 Amp .....	1,238.25	
26 24 19 00-0412 EA Metering Equipment, Current Transformer, 2,000 Amp .....	1,442.24	
26 24 19 00-0413 EA Metering Equipment, Potential Transformer .....	1,202.46	
26 24 19 00-0414 EA Metering Equipment, Surge Arrester.....	1,293.72	
26 24 19 00-0415 EA Metering Equipment, Ground Detector System .....	989.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 24 19 00-0416</b>	<b>Current Limiting Reactors (26 24 19 00-0268)</b>	
26 24 19 00-0417 EA Current Limiting Reactors, 600 Amps .....	19,193.82	
26 24 19 00-0418 EA Current Limiting Reactors, 800 Amps .....	27,951.79	
26 24 19 00-0419 EA Current Limiting Reactors, 1,000 Amps .....	36,729.97	
26 24 19 00-0420 EA Current Limiting Reactors, 1,200 Amps .....	55,909.80	
<b>26 24 19 00-0421</b>	<b>Incoming Line Cable Space Requirements, Main Lugs Only (26 24 19 00-0268)</b>	
26 24 19 00-0422 EA Incoming Line Cable Space Requirement, 350 MCC, 2 Screw .....	342.15	
26 24 19 00-0423 EA Incoming Line Cable Space Requirement, 350 MCC, 2 Crimp .....	342.15	
26 24 19 00-0424 EA Incoming Line Cable Space Requirement, 350 MCC, 4 Screw .....	473.01	
26 24 19 00-0425 EA Incoming Line Cable Space Requirement, 350 MCC, 4 Crimp .....	865.61	
26 24 19 00-0426 EA Incoming Line Cable Space Requirement, 600 MCC, 2 Screw .....	473.01	
26 24 19 00-0427 EA Incoming Line Cable Space Requirement, 600 MCC, 2 Crimp .....	603.88	
26 24 19 00-0428 EA Incoming Line Cable Space Requirement, 600 MCC, 4 Screw .....	603.88	
26 24 19 00-0429 EA Incoming Line Cable Space Requirement, 600 MCC, 4 Crimp .....	864.04	
26 24 19 00-0430 EA Incoming Line Cable Space Requirement, 750 MCC, 2 Screw .....	603.88	
26 24 19 00-0431 EA Incoming Line Cable Space Requirement, 750 MCC, 2 Crimp .....	864.04	
26 24 19 00-0432 EA Incoming Line Cable Space Requirement, 750 MCC, 4 Screw .....	734.75	
26 24 19 00-0433 EA Incoming Line Cable Space Requirement, 750 MCC, 4 Crimp .....	2,382.41	
26 24 19 00-0434 EA Incoming Line Cable Space Requirement, 1,000 MCC, 2 Screw .....	734.75	
26 24 19 00-0435 EA Incoming Line Cable Space Requirement, 1,000 MCC, 2 Crimp .....	864.04	
26 24 19 00-0436 EA Incoming Line Cable Space Requirement, 1,000 MCC, 4 Screw .....	2,382.41	
26 24 19 00-0437 EA Incoming Line Cable Space Requirement, 1,000 MCC, 4 Crimp .....	2,382.41	
26 24 19 00-0438 EA Bus Duct Transition Pull Box .....	848.52	
26 24 19 00-0439 EA Throat And Transition To Substation .....	1,638.06	
26 24 19 00-0440 EA Service Entrance Label .....	354.74	
26 24 19 00-0441 EA Type W To 5 Star - 10" Transition .....	741.51	
26 24 19 00-0442 EA 600 Ampere Sub Feed Lugs On Main Bus .....	323.35	
<b>26 24 19 00-0443</b>	<b>Standard Structures And Structure Options/Modifications (26 24 19 00-0268)</b>	
26 24 19 00-0444 EA Standard Structure Add For Each Additional 4" Of Structure Width .....	234.25	
26 24 19 00-0445 EA Standard Structure Add For 8" Vertical Wireway In Lieu Of 4" .....	234.25	
26 24 19 00-0446 EA Standard Structure Single Corner Section "L", 16" Depth .....	724.66	
26 24 19 00-0447 EA Standard Structure Single Corner Section "L", 21" Depth .....	817.34	
26 24 19 00-0448 EA Standard Structure Unused Space/Future Space .....	69.94	
26 24 19 00-0449 EA Standard Structure NEMA 12 Dustproof .....	188.75	
26 24 19 00-0450 EA Standard Structure Bottom Plate For NEMA 1 Gasket Enclosure .....	39.60	
26 24 19 00-0451 EA Standard Structure 150 Watt Space .....	170.21	
26 24 19 00-0452 EA Standard Structure Thermostat For Space Heater Control .....	393.70	
26 24 19 00-0453 EA Standard Structure Rear Hinged Structure Door, 72" High .....	170.21	
26 24 19 00-0454 EA Standard Structure NEMA 2 Drip Shield On Top Of MCC .....	254.35	
26 24 19 00-0455 EA Standard Structure NEMA 3R N-Walk In Front Mounted .....	3,628.51	
26 24 19 00-0456 EA Standard Structure NEMA 3R N-Walk In Back-to-back .....	4,194.03	
26 24 19 00-0457 EA Standard Structure NEMA 3R Walk-In Aisle Front Mounted .....	4,198.09	
<b>26 24 19 00-0458</b>	<b>Installation Hours For Vertical Sections (26 24 19 00-0268)</b>	
26 24 19 00-0459 EA Install Vertical Section, 230/480 Volt, 1 Section, 600 Amps .....	402.49	201.25
26 24 19 00-0460 EA Install Vertical Section, 230/480 Volt, 2 Section, 600 Amps .....	603.73	301.88
26 24 19 00-0461 EA Install Vertical Section, 230/480 Volt, 3 Section, 600 Amps .....	670.84	335.42
26 24 19 00-0462 EA Install Vertical Section, 230/480 Volt, 4 Section, 600 Amps .....	805.08	402.50
26 24 19 00-0463 EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 600 Amps .....	67.08	33.54
26 24 19 00-0464 EA Install Vertical Section, 230/480 Volt, 1 Section, 800 Amps .....	402.49	201.25
26 24 19 00-0465 EA Install Vertical Section, 230/480 Volt, 2 Section, 800 Amps .....	603.73	301.88
26 24 19 00-0466 EA Install Vertical Section, 230/480 Volt, 3 Section, 800 Amps .....	670.84	335.42
26 24 19 00-0467 EA Install Vertical Section, 230/480 Volt, 4 Section, 800 Amps .....	805.08	402.50
26 24 19 00-0468 EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 800 Amps .....	67.08	33.54
26 24 19 00-0469 EA Install Vertical Section, 230/480 Volt, 1 Section, 1,200 Amps .....	469.59	234.79
26 24 19 00-0470 EA Install Vertical Section, 230/480 Volt, 2 Section, 1,200 Amps .....	603.73	301.88
26 24 19 00-0471 EA Install Vertical Section, 230/480 Volt, 3 Section, 1,200 Amps .....	805.08	402.50
26 24 19 00-0472 EA Install Vertical Section, 230/480 Volt, 4 Section, 1,200 Amps .....	939.06	469.52
26 24 19 00-0473 EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 1,200 Amps .....	100.62	50.32
26 24 19 00-0474 EA Install Vertical Section, 230/480 Volt, 1 Section, 1,600 Amps .....	536.67	268.34
26 24 19 00-0475 EA Install Vertical Section, 230/480 Volt, 2 Section, 1,600 Amps .....	737.98	368.96
26 24 19 00-0476 EA Install Vertical Section, 230/480 Volt, 3 Section, 1,600 Amps .....	939.06	469.52
26 24 19 00-0477 EA Install Vertical Section, 230/480 Volt, 4 Section, 1,600 Amps .....	1,073.15	536.61
26 24 19 00-0478 EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 1,600 Amps .....	134.17	67.08
26 24 19 00-0479 EA Install Vertical Section, 230/480 Volt, 1 Section, 2,000 Amps .....	536.67	268.34
26 24 19 00-0480 EA Install Vertical Section, 230/480 Volt, 2 Section, 2,000 Amps .....	805.08	402.50
26 24 19 00-0481 EA Install Vertical Section, 230/480 Volt, 3 Section, 2,000 Amps .....	1,006.15	503.06
26 24 19 00-0482 EA Install Vertical Section, 230/480 Volt, 4 Section, 2,000 Amps .....	1,140.50	570.28
26 24 19 00-0483 EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 2,000 Amps .....	134.17	67.08
<b>26 24 19 00-0484</b>	<b>Motor Control Centers (26 24 19)</b>	
<b>26 24 19 00-0485</b>	<b>2.4 KV Motor Control Centers (26 24 19 00-0484)</b>	

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 24 Switchboards And Panelboards**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0486 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 100 To 300 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,832.71 80.50	134.17
26 24 19 00-0487 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 400 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,832.71 80.50	134.17
26 24 19 00-0488 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 600 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,832.71 80.50	134.17
26 24 19 00-0489 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 700 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,866.27 90.57	150.94
26 24 19 00-0490 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,000 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,781.67 100.63	167.71
26 24 19 00-0491 EA 2,400 KV CL 11-202, Squirrel Cage Motor Control, 1,250 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,815.20 110.69	184.48
26 24 19 00-0492 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,500 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,848.74 120.75	201.25
26 24 19 00-0493 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,750 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,915.84 140.88	234.79
26 24 19 00-0494 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,000 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,982.92 161.00	268.34
26 24 19 00-0495 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,250 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,042.29 181.12	301.88
26 24 19 00-0496 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,500 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,015.69 201.25	335.42
26 24 19 00-0497 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 100 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,062.34 80.50	134.17
26 24 19 00-0498 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 150 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,980.38 86.54	144.23
26 24 19 00-0499 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 200 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,112.50 94.59	157.65
26 24 19 00-0500 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 300 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29,072.21 100.63	167.71
26 24 19 00-0501 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 400 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,620.11 116.73	194.54
26 24 19 00-0502 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 600 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34,648.88 124.78	207.96
26 24 19 00-0503 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 700 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37,675.84 132.82	221.37
26 24 19 00-0504 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,000 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41,263.26 144.91	241.50
26 24 19 00-0505 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,250 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48,028.10 161.00	268.34
26 24 19 00-0506 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,500 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52,039.93 171.08	285.11
26 24 19 00-0507 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,750 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79,558.95 201.25	335.42
26 24 19 00-0508 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,000 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84,757.03 221.39	368.96
26 24 19 00-0509 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,250 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89,278.06 241.52	402.50
26 24 19 00-0510 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,500 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97,216.22 261.67	436.12
26 24 19 00-0511 EA 2.4 KV CL 14-202, Synchronous Motor Control, 100 To 300 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,809.89 80.50	134.17
26 24 19 00-0512 EA 2.4 KV CL 14-202, Synchronous Motor Control, 400 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,843.45 90.57	150.94
26 24 19 00-0513 EA 2.4 KV CL 14-202, Synchronous Motor Control, 600 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,876.97 100.63	167.71
26 24 19 00-0514 EA 2.4 KV CL 14-202, Synchronous Motor Control, 700 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,910.50 110.69	184.48
26 24 19 00-0515 EA 2.4 KV CL 14-202, Synchronous Motor Control, 1,000 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,947.61 120.75	201.25
26 24 19 00-0516 EA 2,400 Volt CL 14-202, Synchronous Motor Control, 1,250 HP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,981.18 130.82	218.02
26 24 19 00-0517 EA 2.4 KV CL 14-202, Synchronous Motor Control, 1,500 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,014.71 140.88	234.79
26 24 19 00-0518 EA 2.4 KV CL 14-202, Synchronous Motor Control, 1,750 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,148.85 181.12	301.88
26 24 19 00-0519 EA 2.4 KV CL 14-202, Synchronous Motor Control, 2,000 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36,186.52 201.25	335.42
26 24 19 00-0520 EA 2.4 KV CL 14-202, Synchronous Motor Control, 2,250 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36,253.66 221.39	368.96
26 24 19 00-0521 EA 2.4 KV CL 14-202, Synchronous Motor Control, 2,500 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38,216.36 241.52	402.50
26 24 19 00-0522 EA Add For Reversing Starters, 100 To 700 HP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,169.07 40.25	
26 24 19 00-0523 EA Add For Reversing Starters, 1,000 To 1,500 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,418.49 40.25	
26 24 19 00-0524 EA Add For Reversing Starters, 1,750 To 2,500 HP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,916.97 40.25	
<b>26 24 19 00-0525 4.8 KV Motor Control Centers (26 24 19 00-0484)</b>		
26 24 19 00-0526 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 100 To 600 HP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,098.16 120.75	201.25



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0527 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 700 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,131.73 130.82	218.02
26 24 19 00-0528 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,165.26 140.88	234.79
26 24 19 00-0529 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,198.82 150.95	251.56
26 24 19 00-0530 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,105.31 161.00	268.34
26 24 19 00-0531 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,750 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,138.89 171.08	285.11
26 24 19 00-0532 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,172.37 181.12	301.88
26 24 19 00-0533 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,205.97 191.20	318.64
26 24 19 00-0534 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,239.48 201.25	335.42
26 24 19 00-0535 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29,315.07 261.67	436.12
26 24 19 00-0536 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29,381.89 281.72	469.52
26 24 19 00-0537 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,346.36 301.85	503.06
26 24 19 00-0538 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,413.36 321.95	536.61
26 24 19 00-0539 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 100 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,449.47 120.75	201.25
26 24 19 00-0540 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 150 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,732.46 130.82	218.02
26 24 19 00-0541 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 200 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,525.11 140.88	234.79
26 24 19 00-0542 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 300 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29,489.36 150.95	251.56
26 24 19 00-0543 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 400 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32,017.09 161.00	268.34
26 24 19 00-0544 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 600 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35,052.62 171.08	285.11
26 24 19 00-0545 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 700 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37,900.99 181.12	301.88
26 24 19 00-0546 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41,666.99 191.20	318.64
26 24 19 00-0547 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48,292.32 201.25	335.42
26 24 19 00-0548 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52,790.50 211.32	352.19
26 24 19 00-0549 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 1,750 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57,322.23 231.45	385.73
26 24 19 00-0550 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 2,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61,077.52 241.52	402.50
26 24 19 00-0551 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 2,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64,618.90 251.56	419.28
26 24 19 00-0552 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 2,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69,578.65 261.67	436.12
26 24 19 00-0553 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 3,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110,417.27 321.95	536.61
26 24 19 00-0554 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 3,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	122,813.12 342.15	570.28
26 24 19 00-0555 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 4,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	147,688.49 362.24	603.75
26 24 19 00-0556 EA 4.8 KV CL 13-202, Wound Rotor Motor Control, 4,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	156,248.96 362.24	603.75
26 24 19 00-0557 EA 4.8 KV CL 14-202, Synchronous Motor Control, 100 To 600 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,138.88 140.88	234.79
26 24 19 00-0558 EA 4.8 KV CL 14-202, Synchronous Motor Control, 700 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,172.44 150.95	251.56
26 24 19 00-0559 EA 4.8 KV CL 14-202, Synchronous Motor Control, 1,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,205.96 161.00	268.34
26 24 19 00-0560 EA 4.8 KV CL 14-202, Synchronous Motor Control, 1,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,239.54 171.08	285.11
26 24 19 00-0561 EA 4.8 KV CL 14-202, Synchronous Motor Control, 1,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,150.80 181.12	301.88
26 24 19 00-0562 EA 4.8 KV CL 14-202, Synchronous Motor Control, 1,750 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,184.40 191.20	318.64
26 24 19 00-0563 EA 4.8 KV CL 14-202, Synchronous Motor Control, 2,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,217.91 201.25	335.42
26 24 19 00-0564 EA 4.8 KV CL 14-202, Synchronous Motor Control, 2,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,251.46 211.32	352.19
26 24 19 00-0565 EA 4.8 KV CL 14-202, Synchronous Motor Control, 2,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,285.05 221.39	368.96
26 24 19 00-0566 EA 4.8 KV CL 14-202, Synchronous Motor Control, 3,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,486.13 281.72	469.52
26 24 19 00-0567 EA 4.8 KV CL 14-202, Synchronous Motor Control, 3,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39,773.21 301.85	503.06
26 24 19 00-0568 EA 4.8 KV CL 14-202, Synchronous Motor Control, 4,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41,728.68 321.95	536.61

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24	19 00-0569	EA	4.8 KV CL 14-202, Synchronous Motor Control, 4,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41,728.68 321.95	536.61
26 24	19 00-0570	EA	Add For Reversing Starters, 100 To 1,250 HP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,245.14 40.25	
26 24	19 00-0571	EA	Add For Reversing Starters, 1,500 To 2,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,465.87 40.25	
26 24	19 00-0572	EA	Add For Reversing Starters, 3,000 To 4,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,447.07 40.25	
<b>26 24</b>	<b>19 00-0573</b>		<b>2.4/4.8 KV Motor Control Centers, Accessories</b> (26 24 19 00-0484)		
26 24	19 00-0574	EA	2.4/4.8 KV Load Break Disconnect Switch 600 Amp .....	9,413.26	134.17
26 24	19 00-0575	EA	2.4/4.8 KV Load Break Disconnect Switch 1,200 Amp .....	11,299.14	201.25
26 24	19 00-0576	EA	2.4/4.8 KV NEMA 3 Weather Resistant .....	3,722.61	
26 24	19 00-0577	EA	2.4/4.8 KV Space Heaters .....	186.14	10.06
26 24	19 00-0578	EA	2.4/4.8 KV Potential Transformer Fused.....	1,078.47	
26 24	19 00-0579	EA	2.4/4.8 KV Current Transformer 600 Volt, 5 KVA .....	578.65	
26 24	19 00-0580	EA	2.4/4.8 KV Control Transformer 4 KVA Max .....	1,723.34	
26 24	19 00-0581	EA	2.4/4.8 KV Pushbuttons Each .....	110.37	
26 24	19 00-0582	EA	2.4/4.8 KV Selector Switch Each .....	365.80	
26 24	19 00-0583	EA	2.4/4.8 KV Indicating Light.....	110.37	
26 24	19 00-0584	EA	2.4/4.8 KV Push To Test Light.....	334.26	
26 24	19 00-0585	EA	2.4/4.8 KV AC Voltmeter, Switchboard Type .....	889.26	
26 24	19 00-0586	EA	2.4/4.8 KV AC Ammeter, Switchboard Type .....	889.26	
26 24	19 00-0587	EA	2.4/4.8 KV Power Factor Meter.....	2,659.91	
26 24	19 00-0588	EA	2.4/4.8 KV Watt Hr Meter, 2 Element Drawout .....	1,833.71	
26 24	19 00-0589	EA	2.4/4.8 KV Operation Counter.....	354.39	10.06
26 24	19 00-0590	EA	2.4/4.8 KV Phase Failure Protection.....	2,561.44	33.54
26 24	19 00-0591	EA	2.4/4.8 KV Ground Protection .....	4,908.73	16.77
26 24	19 00-0592	EA	2.4/4.8 KV Synchronous Motor DC Protection.....	2,463.61	16.77
26 24	19 00-0593	EA	2.4/4.8 KV Lightning Arresters .....	2,987.07	10.06
26 24	19 00-0594	EA	2.4/4.8 KV Portable Lifting Mechanism .....	4,324.94	
26 24	19 00-0595	EA	2.4/4.8 KV Auxiliary Timing Relay.....	452.50	33.54
26 24	19 00-0596	EA	2.4/4.8 KV Auxiliary Control Relay.....	321.96	33.54
<b>26 24</b>	<b>19 00-0597</b>		<b>Incoming Section And Feeder Air Circuit Breakers</b> (26 24 19 00-0484)		
			Note: 3 Pole. Includes structure.		
26 24	19 00-0598	EA	Incoming Section MCC, Air Circuit Breaker, 70 - 100 Amp, 14,000 Amp IC, 3-Pole, With Structure Included.....	945.85	201.06
26 24	19 00-0599	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 225 Amp, 22,000 Amp IC, 3-Pole, With Structure Included.....	1,634.60	355.88
26 24	19 00-0600	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 30,000 Amp IC, 3-Pole, With Structure Included.....	1,920.41	455.67
26 24	19 00-0601	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 600 Amp, 30,000 Amp IC, 3-Pole, With Structure Included.....	3,105.63	733.77
26 24	19 00-0602	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 1,200 Amp, 30,000 Amp IC, 3-Pole, With Structure Included.....	3,687.19	807.15
26 24	19 00-0603	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 2,000 Amp, 30,000 Amp IC, 3-Pole, With Structure Included.....	4,908.31	895.20
26 24	19 00-0604	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 45,000 Amp IC, 3-Pole, With Structure Included.....	5,704.21	1,049.30
26 24	19 00-0605	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 100,000 Amp IC, 3-Pole, With Structure Included.....	10,503.09	1,222.47
<b>26 24</b>	<b>19 00-0606</b>		<b>Main Lugs Only</b> (26 24 19 00-0484)		
26 24	19 00-0607	EA	600 Amp Incoming Section, Main Lugs.....	662.94	256.82
26 24	19 00-0608	EA	800 Amp Incoming Section, Main Lugs.....	714.89	256.82
26 24	19 00-0609	EA	1,200 Amp Incoming Section, Main Lugs.....	978.33	403.58
26 24	19 00-0610	EA	2,000 Amp Incoming Section, Main Lugs.....	2,675.31	733.77
26 24	19 00-0611	EA	3,000 Amp Incoming Section, Main Lugs.....	4,108.91	1,063.98
26 24	19 00-0612	EA	4,000 Amp Incoming Section, Main Lugs.....	5,940.49	1,467.55
<b>26 24</b>	<b>19 00-0613</b>		<b>Incoming Main Circuit Breaker Structure</b> (26 24 19 00-0484)		
			Note: Includes structure, main breaker, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.		
26 24	19 00-0614	EA	225 Amp, Main Circuit Breaker Section .....	5,802.72	355.08
			<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
			<i>For NEMA 1 With Gaskets, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24	19 00-0615	EA	400 Amp, Main Circuit Breaker Section .....	12,623.28	456.11
			<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
			<i>For NEMA 1 With Gaskets, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24	19 00-0616	EA	600 Amp, Main Circuit Breaker Section .....	12,863.66	710.45
			<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
			<i>For NEMA 1 With Gaskets, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 20" Cabinet Depth, Add</i>	108.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0617 EA 800 Amp, Main Circuit Breaker Section..... <i>For 800 Amp Tin Plated Copper Bus, Add</i> <i>For 1,200 Amp Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	18,584.18 182.00 334.00 97.00 245.00 108.00	710.45
26 24 19 00-0618 EA 1,200 Amp, Main Circuit Breaker Section..... <i>For 800 Amp Tin Plated Copper Bus, Add</i> <i>For 1,200 Amp Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	27,128.80 182.00 334.00 97.00 245.00 108.00	803.85
<b>26 24 19 00-0619 Incoming Fusible Main Disconnect Section</b> <small>(26 24 19 00-0484)</small> Note: Includes structure, fuses, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.		
26 24 19 00-0620 EA 200 Amp, Fusible Main Disconnect Section..... <i>For 800 Amp Tin Plated Copper Bus, Add</i> <i>For 1,200 Amp Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	4,990.15 182.00 334.00 97.00 245.00 108.00	355.52
26 24 19 00-0621 EA 400 Amp, Fusible Main Disconnect Section..... <i>For 800 Amp Tin Plated Copper Bus, Add</i> <i>For 1,200 Amp Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	6,925.47 182.00 334.00 97.00 245.00 108.00	456.33
26 24 19 00-0622 EA 600 Amp, Fusible Main Disconnect Section..... <i>For 800 Amp Tin Plated Copper Bus, Add</i> <i>For 1,200 Amp Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	13,714.90 182.00 334.00 97.00 245.00 108.00	711.03
26 24 19 00-0623 EA 800 Amp, Fusible Main Disconnect Section..... <i>For 800 Amp Tin Plated Copper Bus, Add</i> <i>For 1,200 Amp Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	16,061.57 182.00 334.00 97.00 245.00 108.00	711.03
26 24 19 00-0624 EA 1,200 Amp, Fusible Main Disconnect Section..... <i>For 800 Amp Tin Plated Copper Bus, Add</i> <i>For 1,200 Amp Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	22,822.70 182.00 334.00 97.00 245.00 108.00	804.58
<b>26 24 19 00-0625 Circuit Breaker Combination Starters</b> <small>(26 24 19 00-0484)</small>		
<b>26 24 19 00-0626 Class I, Type A</b> <small>(26 24 19 00-0625)</small>		
26 24 19 00-0627 EA Size 1, Class I, Type A Circuit Breaker Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	814.93 84.93	148.96
26 24 19 00-0628 EA Size 2, Class I, Type A Circuit Breaker Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	955.57 94.07	148.96
26 24 19 00-0629 EA Size 3, Class I, Type A Circuit Breaker Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,403.34 126.51	211.32
26 24 19 00-0630 EA Size 4, Class I, Type A Circuit Breaker Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,348.36 166.77	278.10
26 24 19 00-0631 EA Size 5, Class I, Type A Circuit Breaker Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,352.43 208.46	347.81
<b>26 24 19 00-0632 Class I, Type B</b> <small>(26 24 19 00-0625)</small>		
26 24 19 00-0633 EA Size 1, Class I, Type B Circuit Breaker Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	782.53 73.38	129.88
26 24 19 00-0634 EA Size 2, Class I, Type B Circuit Breaker Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	917.44 82.64	129.88
26 24 19 00-0635 EA Size 3, Class I, Type B Circuit Breaker Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,357.92 112.89	187.84
26 24 19 00-0636 EA Size 4, Class I, Type B Circuit Breaker Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,302.03 152.87	254.62
26 24 19 00-0637 EA Size 5, Class I, Type B Circuit Breaker Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,315.06 197.25	325.06
<b>26 24 19 00-0638 Class I, Type C</b> <small>(26 24 19 00-0625)</small>		
26 24 19 00-0639 EA Size 1, Class I, Type C Circuit Breaker Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	841.87 66.47	120.34
26 24 19 00-0640 EA Size 2, Class I, Type C Circuit Breaker Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	982.69 78.06	120.34
26 24 19 00-0641 EA Size 3, Class I, Type C Circuit Breaker Combination Starter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,472.87 107.91	179.77



**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0642	EA		Size 4, Class I, Type C Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,421.14 149.14	248.75
26 24 19 00-0643	EA		Size 5, Class I, Type C Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,429.99 191.09	319.20
<b>26 24 19 00-0644</b>			<b>Class II, Type B</b> <small>(26 24 19 00-0625)</small>		
26 24 19 00-0645	EA		Size 1, Class II, Type B Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	792.26 100.79	178.31
26 24 19 00-0646	EA		Size 2, Class II, Type B Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,134.92 112.54	178.31
26 24 19 00-0647	EA		Size 3, Class II, Type B Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,634.31 142.21	237.74
26 24 19 00-0648	EA		Size 4, Class II, Type B Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,741.63 183.45	304.52
26 24 19 00-0649	EA		Size 5, Class II, Type B Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,106.11 223.71	372.02
<b>26 24 19 00-0650</b>			<b>Class II, Type C</b> <small>(26 24 19 00-0625)</small>		
26 24 19 00-0651	EA		Size 1, Class II, Type C Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,032.53 96.55	168.77
26 24 19 00-0652	EA		Size 2, Class II, Type C Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,193.67 105.43	168.77
26 24 19 00-0653	EA		Size 3, Class II, Type C Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,753.55 137.93	230.40
26 24 19 00-0654	EA		Size 4, Class II, Type C Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,855.35 178.10	297.18
26 24 19 00-0655	EA		Size 5, Class II, Type C Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,230.64 221.02	366.89
<b>26 24 19 00-0656</b>			<b>Fused Disconnect Combination Starter</b> <small>(26 24 19 00-0484)</small>		
<b>26 24 19 00-0657</b>			<b>Class I, Type A</b> <small>(26 24 19 00-0656)</small>		
26 24 19 00-0658	EA		Size 1, Class I, Type A Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	736.36 82.64	137.22
26 24 19 00-0659	EA		Size 2, Class I, Type A Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,127.07 112.54	187.84
26 24 19 00-0660	EA		Size 3, Class I, Type A Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,835.99 146.76	244.35
26 24 19 00-0661	EA		Size 4, Class I, Type A Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,504.14 206.12	342.68
26 24 19 00-0662	EA		Size 5, Class I, Type A Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,524.59 262.07	436.59
<b>26 24 19 00-0663</b>			<b>Class I, Type B</b> <small>(26 24 19 00-0656)</small>		
26 24 19 00-0664	EA		Size 1, Class I, Type B Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	764.86 73.38	122.54
26 24 19 00-0665	EA		Size 2, Class I, Type B Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,027.36 100.79	168.03
26 24 19 00-0666	EA		Size 3, Class I, Type B Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,539.87 134.89	224.54
26 24 19 00-0667	EA		Size 4, Class I, Type B Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,618.27 195.15	324.33
26 24 19 00-0668	EA		Size 5, Class I, Type B Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,628.89 247.90	412.38
<b>26 24 19 00-0669</b>			<b>Class I, Type C</b> <small>(26 24 19 00-0656)</small>		
26 24 19 00-0670	EA		Size 1, Class I, Type C Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	821.93 68.71	114.47
26 24 19 00-0671	EA		Size 2, Class I, Type C Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,102.45 94.07	155.56
26 24 19 00-0672	EA		Size 3, Class I, Type C Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,695.42 131.03	216.47
26 24 19 00-0673	EA		Size 4, Class I, Type C Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,773.14 191.09	319.20
26 24 19 00-0674	EA		Size 5, Class I, Type C Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,364.90 244.59	407.98
<b>26 24 19 00-0675</b>			<b>Class II, Type B</b> <small>(26 24 19 00-0656)</small>		
26 24 19 00-0676	EA		Size 1, Class II, Type B Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	950.18 103.06	171.70
26 24 19 00-0677	EA		Size 2, Class II, Type B Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,234.22 128.28	214.26
26 24 19 00-0678	EA		Size 3, Class II, Type B Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,818.40 165.26	275.90
26 24 19 00-0679	EA		Size 4, Class II, Type B Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,023.69 223.71	372.02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0680 EA Size 5, Class II, Type B Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,331.78 277.94	464.48
<b>26 24 19 00-0681 Class II, Type C</b> <small>(26 24 19 00-0656)</small>		
26 24 19 00-0682 EA Size 1, Class II, Type C Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,001.12 96.55	161.43
26 24 19 00-0683 EA Size 2, Class II, Type C Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,309.05 121.49	202.52
26 24 19 00-0684 EA Size 3, Class II, Type C Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,954.22 158.14	263.43
26 24 19 00-0685 EA Size 4, Class II, Type C Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,165.49 218.39	363.22
26 24 19 00-0686 EA Size 5, Class II, Type C Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,472.95 269.77	449.81
<b>26 24 19 00-0687 Space Complete With Bus And Hardware</b> <small>(26 24 19 00-0484)</small>		
<b>26 24 19 00-0688 Circuit Breaker Type</b> <small>(26 24 19 00-0687)</small>		
26 24 19 00-0689 EA Circuit Breaker Type, Size 1 Space Complete With Bus And Hardware.....	221.15	49.90
26 24 19 00-0690 EA Circuit Breaker Type, Size 2 Space Complete With Bus And Hardware.....	221.15	49.90
26 24 19 00-0691 EA Circuit Breaker Type, Size 3 Space Complete With Bus And Hardware.....	329.80	72.64
26 24 19 00-0692 EA Circuit Breaker Type, Size 4 Space Complete With Bus And Hardware.....	382.90	95.39
26 24 19 00-0693 EA Circuit Breaker Type, Size 5 Space Complete With Bus And Hardware.....	656.93	145.29
<b>26 24 19 00-0694 Fused Disconnect Type</b> <small>(26 24 19 00-0687)</small>		
26 24 19 00-0695 EA Fused Disconnect Type, Size 1 Space Complete With Bus And Hardware.....	221.15	49.90
26 24 19 00-0696 EA Fused Disconnect Type, Size 2 Space Complete With Bus And Hardware.....	287.08	72.64
26 24 19 00-0697 EA Fused Disconnect Type, Size 3 Space Complete With Bus And Hardware.....	403.80	95.39
26 24 19 00-0698 EA Fused Disconnect Type, Size 4 Space Complete With Bus And Hardware.....	715.27	145.29
26 24 19 00-0699 EA Fused Disconnect Type, Size 5 Space Complete With Bus And Hardware.....	988.98	211.32
<b>26 24 19 00-0700 Blank Space For Future Expansion</b> <small>(26 24 19 00-0687)</small>		
Note: Factory modified no labor costs.		
26 24 19 00-0701 EA Blank Space For Future Expansion, Size 1 Factory Modified, No Crew Costs .....	121.72	
26 24 19 00-0702 EA Blank Space For Future Expansion, Size 2 Factory Modified, No Crew Costs .....	121.72	
26 24 19 00-0703 EA Blank Space For Future Expansion, Size 3 Factory Modified, No Crew Costs .....	184.55	
26 24 19 00-0704 EA Blank Space For Future Expansion, Size 4 Factory Modified, No Crew Costs .....	184.55	
26 24 19 00-0705 EA Blank Space For Future Expansion, Size 5 Factory Modified, No Crew Costs .....	367.13	
<b>26 24 19 00-0706 Structure Combination Of Starters To 72" High</b> <small>(26 24 19 00-0687)</small>		
26 24 19 00-0707 EA Structure Combination Of Starters To 72" High .....	2,751.15	386.19
<b>26 24 19 00-0708 Motor Control Center Basic Distribution Section</b> <small>(26 24 19 00-0484)</small>		
26 24 19 00-0709 EA 20" Wide Basic Section With Vertical Wireway .....	4,281.48	1,005.71
<i>For 20" Cabinet Depth, Add</i>		
<i>For 800 Amp Tin Plated Copper Bus, Add</i>		
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>		
<i>For 1,600 Amp Tin Plated Copper Bus, Add</i>		
<i>For 2,000 Amp Tin Plated Copper Bus, Add</i>		
<i>For NEMA 1 With Gasket, Add</i>		
<i>For NEMA 12, Add</i>		
<i>For 600 Amp Tin Plated Copper Vertical, Add</i>		
26 24 19 00-0710 EA 25"-35" Wide Basic Section (No Vertical Wireway).....	4,281.48	1,005.71
<i>For 20" Cabinet Depth, Add</i>		
<i>For 800 Amp Tin Plated Copper Bus, Add</i>		
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>		
<i>For 1,600 Amp Tin Plated Copper Bus, Add</i>		
<i>For 2,000 Amp Tin Plated Copper Bus, Add</i>		
<i>For NEMA 1 With Gasket, Add</i>		
<i>For NEMA 12, Add</i>		
<i>For 600 Amp Tin Plated Copper Vertical, Add</i>		
26 24 19 00-0711 EA 25" Wide Basic Section With 9" Wide Vertical Wireway .....	4,816.38	1,005.71
<i>For 20" Cabinet Depth, Add</i>		
<i>For 800 Amp Tin Plated Copper Bus, Add</i>		
<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>		
<i>For 1,600 Amp Tin Plated Copper Bus, Add</i>		
<i>For 2,000 Amp Tin Plated Copper Bus, Add</i>		
<i>For NEMA 1 With Gasket, Add</i>		
<i>For NEMA 12, Add</i>		
<i>For 600 Amp Tin Plated Copper Vertical, Add</i>		

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0712	EA		Corner Section.....	4,816.38	1,005.71
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amp Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amp Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0713			<b>Motor Control Center Starters With HMCP Circuit Breaker</b> <small>(26 24 19 00-0484)</small>		
			Note: Includes door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0714			<b>FVNR Starters With HMCP Circuit Breaker</b> <small>(26 24 19 00-0713)</small>		
26 24 19 00-0715	EA		Class 1, Type A, Size 1 FVNR Starters With HMCP Circuit Breaker.....	1,213.21	141.26
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	84.74	
26 24 19 00-0716	EA		Class 1, Type A, Size 2 FVNR Starters With HMCP Circuit Breaker.....	1,350.84	156.67
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	93.99	
26 24 19 00-0717	EA		Class 1, Type A, Size 3 FVNR Starters With HMCP Circuit Breaker.....	2,394.03	210.59
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	126.37	
26 24 19 00-0718	EA		Class 1, Type A, Size 4 FVNR Starters With HMCP Circuit Breaker.....	3,496.19	277.66
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	166.61	
26 24 19 00-0719	EA		Class 1, Type A, Size 5 FVNR Starters With HMCP Circuit Breaker.....	8,214.47	347.01
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	208.22	
26 24 19 00-0720	EA		Class 1, Type A, Size 6 FVNR Starters With HMCP Circuit Breaker.....	19,609.69	347.01
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	208.22	
26 24 19 00-0721	EA		Class 1, Type B, Size 1 FVNR Starters With HMCP Circuit Breaker.....	1,242.32	122.17
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	73.30	
26 24 19 00-0722	EA		Class 1, Type B, Size 2 FVNR Starters With HMCP Circuit Breaker.....	1,401.31	137.59
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	82.55	
26 24 19 00-0723	EA		Class 1, Type B, Size 3 FVNR Starters With HMCP Circuit Breaker.....	2,471.19	187.84
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	112.70	
26 24 19 00-0724	EA		Class 1, Type B, Size 4 FVNR Starters With HMCP Circuit Breaker.....	3,518.27	254.62
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	152.79	
26 24 19 00-0725	EA		Class 1, Type B, Size 5 FVNR Starters With HMCP Circuit Breaker.....	8,246.07	328.73
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	197.25	
26 24 19 00-0726	EA		Class 1, Type B, Size 6 FVNR Starters With HMCP Circuit Breaker.....	19,763.90	328.73
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	197.25	
26 24 19 00-0727			<b>Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker</b> <small>(26 24 19 00-0713)</small>		
26 24 19 00-0728	EA		Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	1,985.41	176.77
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	106.04	
26 24 19 00-0729	EA		Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	2,453.93	195.55
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	117.34	
26 24 19 00-0730	EA		Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	4,094.96	262.83
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	157.69	
26 24 19 00-0731	EA		Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	7,134.11	347.45
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	208.46	
26 24 19 00-0732	EA		Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	13,048.48	434.69
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	260.82	
26 24 19 00-0733	EA		Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	2,039.45	152.63
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	91.57	
26 24 19 00-0734	EA		Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	2,529.67	172.08
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	103.25	
26 24 19 00-0735	EA		Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	4,196.49	235.17
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	141.11	
26 24 19 00-0736	EA		Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	7,178.45	318.45
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	191.09	
26 24 19 00-0737	EA		Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	13,103.94	411.28
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	246.79	
26 24 19 00-0738			<b>Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker</b> <small>(26 24 19 00-0713)</small>		
26 24 19 00-0739	EA		Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	2,189.92	176.77
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	106.04	
26 24 19 00-0740	EA		Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	3,164.25	195.55
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	117.34	
26 24 19 00-0741	EA		Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	6,062.31	262.83
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	157.69	
26 24 19 00-0742	EA		Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	8,264.35	347.45
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	208.46	
26 24 19 00-0743	EA		Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	16,790.95	434.69
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	260.82	
26 24 19 00-0744	EA		Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	2,243.96	152.63
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	91.57	
26 24 19 00-0745	EA		Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	3,239.99	172.08
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	103.25	
26 24 19 00-0746	EA		Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	6,163.84	235.17
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	141.11	
26 24 19 00-0747	EA		Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	8,308.70	318.45
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	191.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0748 EA Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,846.42 246.79	411.28
<b>26 24 19 00-0749 Motor Control Center Starters With Fusible Disconnect</b> (26 24 19 00-0484) Note: Includes fuses, door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
<b>26 24 19 00-0750 FVNR Starters With Fusible Disconnect</b> (26 24 19 00-0749)		
26 24 19 00-0751 EA Class 1, Type A, Size 1 FVNR Starters With Fusible Disconnect.....	958.50	137.73
26 24 19 00-0752 EA Class 1, Type A, Size 2 FVNR Starters With Fusible Disconnect.....	1,242.85	187.18
26 24 19 00-0753 EA Class 1, Type A, Size 3 FVNR Starters With Fusible Disconnect.....	2,130.75	243.91
26 24 19 00-0754 EA Class 1, Type A, Size 4 FVNR Starters With Fusible Disconnect.....	3,651.05	343.56
26 24 19 00-0755 EA Class 1, Type A, Size 5 FVNR Starters With Fusible Disconnect.....	7,552.75	436.74
26 24 19 00-0756 EA Class 1, Type A, Size 6 FVNR Starters With Fusible Disconnect.....	19,719.54	436.74
26 24 19 00-0757 EA Class 1, Type B, Size 1 FVNR Starters With Fusible Disconnect.....	993.67	122.10
26 24 19 00-0758 EA Class 1, Type B, Size 2 FVNR Starters With Fusible Disconnect.....	1,292.46	167.66
26 24 19 00-0759 EA Class 1, Type B, Size 3 FVNR Starters With Fusible Disconnect.....	2,215.20	224.83
26 24 19 00-0760 EA Class 1, Type B, Size 4 FVNR Starters With Fusible Disconnect.....	3,682.67	325.28
26 24 19 00-0761 EA Class 1, Type B, Size 5 FVNR Starters With Fusible Disconnect.....	7,573.69	413.19
26 24 19 00-0762 EA Class 1, Type B, Size 6 FVNR Starters With Fusible Disconnect.....	19,863.19	413.19
<b>26 24 19 00-0763 Two Speed 2-Winding (TS2W) With Fusible Disconnect</b> (26 24 19 00-0749)		
26 24 19 00-0764 EA Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	1,706.84	172.44
26 24 19 00-0765 EA Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	2,383.52	234.00
26 24 19 00-0766 EA Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	3,739.77	304.74
26 24 19 00-0767 EA Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	8,017.62	430.65
26 24 19 00-0768 EA Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	13,212.91	503.95
26 24 19 00-0769 EA Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	1,768.59	152.63
26 24 19 00-0770 EA Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	2,457.07	209.42
26 24 19 00-0771 EA Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	3,849.82	281.33
26 24 19 00-0772 EA Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	8,070.33	405.86
26 24 19 00-0773 EA Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	13,257.71	475.27
<b>26 24 19 00-0774 Two Speed 1-Winding (TS1W) With Fusible Disconnect</b> (26 24 19 00-0749)		
26 24 19 00-0775 EA Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	2,014.96	172.44
26 24 19 00-0776 EA Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	3,104.75	234.00
26 24 19 00-0777 EA Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	5,727.58	304.74
26 24 19 00-0778 EA Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	8,432.08	430.65
26 24 19 00-0779 EA Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	16,194.62	503.95
26 24 19 00-0780 EA Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	2,077.62	152.63
26 24 19 00-0781 EA Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	3,178.30	209.42
26 24 19 00-0782 EA Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	5,837.62	281.33
26 24 19 00-0783 EA Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	8,484.80	405.86
26 24 19 00-0784 EA Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	16,239.43	475.27
<b>26 24 19 00-0785 Tin Plated Copper Bus Bar And Ground Bus Bar Splice Kit</b> (26 24 19 00-0484) Note: Per section. Labor is included in basic distribution section.		
26 24 19 00-0786 EA 600 Amp Horizontal Tin Plated Copper Bus Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	225.61 5.51	
26 24 19 00-0787 EA 800 Amp Horizontal Tin Plated Copper Bus Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	278.33 5.51	
26 24 19 00-0788 EA 1,200 Amp Horizontal Tin Plated Copper Bus Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	334.73 6.62	
26 24 19 00-0789 EA 1,600 Amp Horizontal Tin Plated Copper Bus Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	438.34 6.62	
26 24 19 00-0790 EA 2,000 Amp Horizontal Tin Plated Copper Bus Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	740.14 7.72	
26 24 19 00-0791 EA 1/4" x 2" Horizontal Tin Plated Copper Ground Bus Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	127.41 4.41	
<b>26 24 19 00-0792 Disconnect Switch For Motor Control Centers</b> (26 24 19 00-0484)		
<b>26 24 19 00-0793 3 Pole Circuit Breaker Disconnect For Motor Control Center</b> (26 24 19 00-0792) Note: Includes door, unit support pan, inverse time (Thermal Magnetic) circuit breaker, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0794 EA 150 Amp Rating, 15 To 100 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	594.94	106.03
26 24 19 00-0795 EA 150 Amp Rating, 125 To 150 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,042.20	117.41
26 24 19 00-0796 EA 225 Amp Rating, 70 To 225 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,271.23	158.13
26 24 19 00-0797 EA 400 Amp Rating, 125 To 400 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	2,110.21	208.40
26 24 19 00-0798 EA 600 Amp Rating, 300 To 600 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	3,647.38	260.49
26 24 19 00-0799 EA 800 Amp Rating, 400 To 800 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	4,161.32	260.49
26 24 19 00-0800 EA 1,200 Amp Rating, 600 To 1,200 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	8,576.29	326.16
<b>26 24 19 00-0801 Fusible Disconnect Switch For Motor Control Center</b> (26 24 19 00-0792) Note: Includes door, unit support pan, fuses and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0802	EA		30 Amp Switch Rating, Fusible Disconnect Switch With 30 Amp Fuse Clips.....	656.11	103.10
26 24 19 00-0803	EA		60 Amp Switch Rating, Fusible Disconnect Switch With 60 Amp Fuse Clips.....	758.23	140.52
26 24 19 00-0804	EA		100 Amp Switch Rating, Fusible Disconnect Switch With 100 Amp Fuse Clips.....	1,049.42	179.77
26 24 19 00-0805	EA		200 Amp Switch Rating, Fusible Disconnect Switch With 200 Amp Fuse Clips.....	2,018.96	257.55
26 24 19 00-0806	EA		400 Amp Switch Rating, Fusible Disconnect Switch With 400 Amp Fuse Clips.....	3,691.41	327.56
26 24 19 00-0807	EA		600 Amp Switch Rating, Fusible Disconnect Switch With 600 Amp Fuse Clips.....	8,817.71	327.56
26 24 19 00-0808	EA		800 Amp Switch Rating, Fusible Disconnect Switch With 800 Amp Fuse Clips.....	10,897.05	409.45
26 24 19 00-0809	EA		1,200 Amp Switch Rating, Fusible Disconnect Switch With 1,200 Amp Fuse Clips.....	16,263.31	409.45
<b>26 24 19 00-0810</b>			<b>Control Circuit Transformer</b> <small>(26 24 19 00-0484)</small>		
26 24 19 00-0811	EA		Control Circuit Transformer, Size 1 Factory Installed.....	64.94	
26 24 19 00-0812	EA		Control Circuit Transformer, Size 2 Factory Installed.....	64.94	
26 24 19 00-0813	EA		Control Circuit Transformer, Size 3 Factory Installed.....	125.07	
26 24 19 00-0814	EA		Control Circuit Transformer, Size 4 Factory Installed.....	125.07	
26 24 19 00-0815	EA		Control Circuit Transformer, Size 5 Factory Installed.....	173.75	
26 24 19 00-0816	EA		Control Circuit Fuse And Holder Small Dim, Dual Element Time Delay.....	40.65	8.31
<b>26 24 19 00-0817</b>			<b>Cover Mounted Control Devices</b> <small>(26 24 19 00-0484)</small>		
26 24 19 00-0818	EA		Control Device, 2 Unit Push Button Station Cover Mounted.....	95.52	14.68
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.17	
26 24 19 00-0819	EA		Control Device, 2-3 Unit Selector Switch Cover Mounted.....	105.56	14.68
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.47	
26 24 19 00-0820	EA		Control Device, Pilot Light Cover Mounted.....	92.65	14.68
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.87	
26 24 19 00-0821	EA		Control Device, Hand-Off-Auto Switch Cover Mounted With Pilot Light.....	234.93	49.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.07	
26 24 19 00-0822	EA		Auxiliary Contact Add Per Starter.....	317.57	19.01
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.41	
<b>26 24 19 00-0823</b>			<b>Extra Interlocks</b> <small>(26 24 19 00-0484)</small>		
			Note: Per contact.		
26 24 19 00-0824	EA		Extra Interlocks, Class I, Type A Per Contact.....	60.91	9.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.87	
26 24 19 00-0825	EA		Extra Interlocks, Class I, Type B Per Contact.....	88.06	9.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.87	
26 24 19 00-0826	EA		Extra Interlocks, Class I, Type C Per Contact.....	100.55	9.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.73	
26 24 19 00-0827	EA		Extra Interlocks, Class II, Type B Per Contact.....	91.30	9.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.59	
26 24 19 00-0828	EA		Extra Interlocks, Class II, Type C Per Contact.....	98.41	9.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.46	
<b>26 24 19 00-0829</b>			<b>Special Cabinet Provisions</b> <small>(26 24 19 00-0484)</small>		
26 24 19 00-0830	EA		Provisions For Bus Duct Entrance Special Cabinet Provisions.....	812.93	
<b>26 24 19 00-0831</b>			<b>Nameplate Requirements</b> <small>(26 24 19 00-0484)</small>		
26 24 19 00-0832	EA		Special Cabinet Nameplate Requirements.....	28.86	
<b>26 24 19 00-0833</b>			<b>Auxiliary Relays</b> <small>(26 24 19 00-0484)</small>		
26 24 19 00-0834	EA		Industrial Control Relay, 10 Amp Class A600 With 2 Contacts.....	143.65	18.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.03	
26 24 19 00-0835	EA		Timing Relay, Solid State, DPDT 0.1-10 Sec Variable, Off-Delay.....	134.97	16.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.03	
26 24 19 00-0836	EA		General Purpose Control Relay, 240 Volt AC, 10 Amp, With Base.....	70.16	16.54
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.03	
<b>26 24 19 00-0837</b>			<b>Motor Control Center Accessories</b> <small>(26 24 19 00-0484)</small>		
<b>26 24 19 00-0838</b>			<b>Lighting Transformer With Circuit Breaker</b> <small>(26 24 19 00-0837)</small>		
			Note: For 240 V, 480 V, or 600 V primary. Includes door, unit support pan, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure for MCC only.		
26 24 19 00-0839	EA		1 Phase, 5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	4,516.00	236.19
26 24 19 00-0840	EA		1 Phase, 7.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	4,695.24	245.63
26 24 19 00-0841	EA		1 Phase, 10 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	5,140.55	264.54
26 24 19 00-0842	EA		1 Phase, 15 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	6,501.73	283.43
26 24 19 00-0843	EA		1 Phase, 25 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	8,805.46	302.32
26 24 19 00-0844	EA		1 Phase, 37.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	10,841.88	340.12
26 24 19 00-0845	EA		1 Phase, 50 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	14,301.34	377.90
26 24 19 00-0846	EA		3 Phase, 10 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	8,279.86	311.77
26 24 19 00-0847	EA		3 Phase, 15 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	8,994.52	340.12
26 24 19 00-0848	EA		3 Phase, 25 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	10,296.14	377.90
26 24 19 00-0849	EA		3 Phase, 30 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	10,911.20	415.70
26 24 19 00-0850	EA		3 Phase, 37.5 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	13,203.17	453.48
26 24 19 00-0851	EA		3 Phase, 45 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	13,604.45	491.28



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 24 19 00-0852</b>			<b>Bolt-On Lighting Panel</b> <small>(26 24 19 00-0837)</small>		
<small>Note: Includes door, T-handle, unit support pan, neutral bar (10 KA IC RMS), and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. For MCC only.</small>					
26 24 19 00-0853	EA		18 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	1,645.59	381.86
26 24 19 00-0854	EA		30 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	2,501.81	664.65
26 24 19 00-0855	EA		42 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	3,310.03	899.24
26 24 19 00-0856	EA		18 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	1,708.21	413.19
26 24 19 00-0857	EA		30 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	2,473.52	650.49
26 24 19 00-0858	EA		42 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	3,422.43	955.46
26 24 19 00-0859	EA		18 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	2,963.54	442.91
26 24 19 00-0860	EA		30 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	3,833.85	711.03
26 24 19 00-0861	EA		42 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	4,728.55	955.46
26 24 19 00-0862	EA		18 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	3,033.20	477.69
26 24 19 00-0863	EA		30 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	3,833.85	711.03
26 24 19 00-0864	EA		42 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	4,790.19	986.27

<b>26 24 19 00-0865</b>			<b>Factory Installed Bolt-On Branch Circuit Breaker</b> <small>(26 24 19 00-0837)</small>		
<small>Note: For MCC lighting panel only.</small>					
26 24 19 00-0866	EA		15 A / 1 Pole - 30 A / 1 Pole Bolt-On Branch Circuit Breaker.....	15.36	
26 24 19 00-0867	EA		15 A / 1 Pole - 30 A / 1 Pole (GFI) Bolt-On Branch Circuit Breaker.....	250.53	
26 24 19 00-0868	EA		15 A / 2 Pole - 50 A / 2 Pole Bolt-On Branch Circuit Breaker.....	30.01	
26 24 19 00-0869	EA		60 A / 2 Pole - 100 A / 2 Pole Bolt-On Branch Circuit Breaker.....	69.10	
26 24 19 00-0870	EA		15 A / 3 Pole - 50 A / 3 Pole Bolt-On Branch Circuit Breaker.....	80.97	
26 24 19 00-0871	EA		60 A / 3 Pole - 100 A / 3 Pole Bolt-On Branch Circuit Breaker.....	122.85	

<b>26 24 19 00-0872</b>			<b>Blank Unit Door (BUD)</b> <small>(26 24 19 00-0837)</small>		
<small>Note: With NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Factory installed.</small>					
26 24 19 00-0873	EA		6" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	66.81	
26 24 19 00-0874	EA		12" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	80.17	
26 24 19 00-0875	EA		18" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	120.26	
26 24 19 00-0876	EA		24" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	160.34	
26 24 19 00-0877	EA		30" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	240.51	
26 24 19 00-0878	EA		48" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	280.60	
26 24 19 00-0879	EA		72" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	320.68	

**26 25 Enclosed Bus Assemblies** (26 20)

**26 25 13 Low-Voltage Busways** (26 25)

<b>26 25 13 00-0001</b>			<b>Plug-In Bus Duct</b> <small>(26 25 13)</small>		
<small>Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.</small>					
<b>26 25 13 00-0002</b>			<b>600 Volt, 3-Phase, 3-Wire, Copper Conductors</b> <small>(26 25 13 00-0001)</small>		
26 25 13 00-0003	LF		225 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	259.45	22.02
			<i>For Up To 25, Add</i>	64.86	
			<i>For &gt;25 To 50, Add</i>	38.92	
			<i>For &gt;50 To 100, Add</i>	19.46	
26 25 13 00-0004	LF		400 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	374.32	22.02
			<i>For Up To 25, Add</i>	93.58	
			<i>For &gt;25 To 50, Add</i>	56.15	
			<i>For &gt;50 To 100, Add</i>	28.07	
26 25 13 00-0005	LF		600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	477.12	29.35
			<i>For Up To 25, Add</i>	119.28	
			<i>For &gt;25 To 50, Add</i>	71.57	
			<i>For &gt;50 To 100, Add</i>	35.78	
26 25 13 00-0006	LF		800 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	667.34	29.35
			<i>For Up To 25, Add</i>	166.84	
			<i>For &gt;25 To 50, Add</i>	100.10	
			<i>For &gt;50 To 100, Add</i>	50.05	
26 25 13 00-0007	LF		1,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	703.46	36.69
			<i>For Up To 25, Add</i>	175.87	
			<i>For &gt;25 To 50, Add</i>	105.52	
			<i>For &gt;50 To 100, Add</i>	52.76	
26 25 13 00-0008	LF		1,350 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	990.23	36.69
			<i>For Up To 25, Add</i>	247.56	
			<i>For &gt;25 To 50, Add</i>	148.53	
			<i>For &gt;50 To 100, Add</i>	74.27	
26 25 13 00-0009	LF		1,600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,163.94	38.53
			<i>For Up To 25, Add</i>	290.99	
			<i>For &gt;25 To 50, Add</i>	174.59	
			<i>For &gt;50 To 100, Add</i>	87.30	
26 25 13 00-0010	LF		2,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,424.77	39.62
			<i>For Up To 25, Add</i>	356.19	
			<i>For &gt;25 To 50, Add</i>	213.72	
			<i>For &gt;50 To 100, Add</i>	106.86	

<b>26</b>	<b>Electrical</b>
<b>26 20</b>	<b>Low-Voltage Electrical Distribution</b>
<b>26 25</b>	<b>Enclosed Bus Assemblies</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25	13 00-0011	LF	2,500 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,765.72	41.83
			For Up To 25, Add	441.43	
			For >25 To 50, Add	264.86	
			For >50 To 100, Add	132.43	
26 25	13 00-0012	LF	3,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	2,038.29	48.79
			For Up To 25, Add	509.57	
			For >25 To 50, Add	305.74	
			For >50 To 100, Add	152.87	
26 25	13 00-0013	LF	4,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	2,362.22	53.19
			For Up To 25, Add	590.56	
			For >25 To 50, Add	354.33	
			For >50 To 100, Add	177.17	
<b>26 25</b>	<b>13 00-0014</b>		<b>277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors</b> (26 25 13 00-0001)		
26 25	13 00-0015	LF	225 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	441.08	22.02
			For Up To 25, Add	110.27	
			For >25 To 50, Add	66.16	
			For >50 To 100, Add	33.08	
26 25	13 00-0016	LF	400 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	643.42	22.02
			For Up To 25, Add	160.86	
			For >25 To 50, Add	96.51	
			For >50 To 100, Add	48.26	
26 25	13 00-0017	LF	600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	727.54	29.35
			For Up To 25, Add	181.89	
			For >25 To 50, Add	109.13	
			For >50 To 100, Add	54.57	
26 25	13 00-0018	LF	800 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	929.65	29.35
			For Up To 25, Add	232.41	
			For >25 To 50, Add	139.45	
			For >50 To 100, Add	69.72	
26 25	13 00-0019	LF	1,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,137.98	36.69
			For Up To 25, Add	284.50	
			For >25 To 50, Add	170.70	
			For >50 To 100, Add	85.35	
26 25	13 00-0020	LF	1,350 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,482.55	36.69
			For Up To 25, Add	370.64	
			For >25 To 50, Add	222.38	
			For >50 To 100, Add	111.19	
26 25	13 00-0021	LF	1,600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,922.47	38.01
			For Up To 25, Add	480.62	
			For >25 To 50, Add	288.37	
			For >50 To 100, Add	144.19	
26 25	13 00-0022	LF	2,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	2,321.74	39.62
			For Up To 25, Add	580.44	
			For >25 To 50, Add	348.26	
			For >50 To 100, Add	174.13	
26 25	13 00-0023	LF	2,500 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	2,887.03	41.45
			For Up To 25, Add	721.76	
			For >25 To 50, Add	433.05	
			For >50 To 100, Add	216.53	
26 25	13 00-0024	LF	3,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	3,332.15	48.79
			For Up To 25, Add	833.04	
			For >25 To 50, Add	499.82	
			For >50 To 100, Add	249.91	
26 25	13 00-0025	LF	4,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	3,866.09	53.19
			For Up To 25, Add	966.52	
			For >25 To 50, Add	579.91	
			For >50 To 100, Add	289.96	
<b>26 25</b>	<b>13 00-0026</b>		<b>Cable Tap Boxes</b> (26 25 13 00-0001)		
<b>26 25</b>	<b>13 00-0027</b>		<b>600 Volt, 3-Phase, 3-Wire, Copper Conductors</b> (26 25 13 00-0026)		
26 25	13 00-0028	EA	225 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire .....	2,225.69	102.73
26 25	13 00-0029	EA	400 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire .....	2,281.28	102.73
26 25	13 00-0030	EA	600 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire .....	2,454.53	139.42
26 25	13 00-0031	EA	800 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire .....	2,599.09	139.42
26 25	13 00-0032	EA	1,000 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire .....	2,778.01	183.44
26 25	13 00-0033	EA	1,350 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire .....	3,040.11	183.44
<b>26 25</b>	<b>13 00-0034</b>		<b>277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors</b> (26 25 13 00-0026)		
26 25	13 00-0035	EA	225 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire .....	2,281.28	201.79
26 25	13 00-0036	EA	400 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire .....	2,462.95	201.79
26 25	13 00-0037	EA	600 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire .....	2,615.18	275.17
26 25	13 00-0038	EA	800 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire .....	2,935.89	275.17
26 25	13 00-0039	EA	1,000 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire .....	3,071.09	366.89
26 25	13 00-0040	EA	1,350 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire .....	3,499.92	366.89
<b>26 25</b>	<b>13 00-0041</b>		<b>Bus Duct Plug-In Circuit Breaker</b> (26 25 13 00-0001)		
<b>26 25</b>	<b>13 00-0042</b>		<b>240 Volt, 3-Phase</b> (26 25 13 00-0041)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0043 EA 60 Amp Bus Duct Circuit Breaker 240 Volt, 3 Phase Plug-in Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	974.70 40.14	73.38
26 25 13 00-0044 EA 100 Amp Bus Duct Circuit Breaker 240 Volt, 3 Phase Plug-in Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,994.68 51.53	73.38
<b>26 25 13 00-0045 600 Volt, 3-Phase</b> <small>(26 25 13 00-0041)</small>		
26 25 13 00-0046 EA 60 Amp Bus Duct Circuit Breaker 600 Volt, 3 Phase Plug-in Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,956.72 40.14	73.38
26 25 13 00-0047 EA 100 Amp Bus Duct Circuit Breaker 600 Volt, 3 Phase Plug-in Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,535.32 51.53	73.38
<b>26 25 13 00-0048 120/208 Volt, 3-Phase, 4-Wire</b> <small>(26 25 13 00-0041)</small>		
26 25 13 00-0049 EA 60 Amp Bus Duct Circuit Breaker 120/208 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,123.13 45.86	88.05
26 25 13 00-0050 EA 100 Amp Bus Duct Circuit Breaker 120/208 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,336.76 57.32	88.05
<b>26 25 13 00-0051 277/480 Volt, 3-Phase, 4-Wire</b> <small>(26 25 13 00-0041)</small>		
26 25 13 00-0052 EA 60 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,298.55 45.86	88.05
26 25 13 00-0053 EA 100 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,023.64 57.32	88.05
26 25 13 00-0054 EA 225 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,861.69 131.97	304.52
26 25 13 00-0055 EA 400 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,885.69 286.63	304.52
26 25 13 00-0056 EA 600 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,539.00 398.79	880.54
26 25 13 00-0057 EA 800 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,027.26 705.55	880.54
<b>26 25 13 00-0058 Bus Duct Plug-In Fusible Switch</b> <small>(26 25 13 00-0001)</small>		
<b>26 25 13 00-0059 240 Volt, 3-Pole, 3-Fuse</b> <small>(26 25 13 00-0058)</small>		
26 25 13 00-0060 EA 30 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	972.28	73.38
26 25 13 00-0061 EA 60 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	1,059.49	73.38
26 25 13 00-0062 EA 100 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	1,476.05	88.05
26 25 13 00-0063 EA 200 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	2,481.17	176.11
26 25 13 00-0064 EA 400 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	6,342.15	396.24
26 25 13 00-0065 EA 600 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	9,348.13	689.75
<b>26 25 13 00-0066 600 Volt, 3-Pole, 3-Fuse</b> <small>(26 25 13 00-0058)</small>		
26 25 13 00-0067 EA 30 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	1,021.29	80.71
26 25 13 00-0068 EA 60 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	1,105.76	80.71
26 25 13 00-0069 EA 100 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	1,496.35	80.71
26 25 13 00-0070 EA 200 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	2,556.44	168.77
26 25 13 00-0071 EA 400 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	6,322.55	381.56
26 25 13 00-0072 EA 600 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	9,487.10	733.77
26 25 13 00-0073 EA 800 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses.....	15,854.53	953.91
<b>26 25 13 00-0074 120/208 Volt, 4-pole, 3 Fuse</b> <small>(26 25 13 00-0058)</small>		
26 25 13 00-0075 EA 30 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	1,128.81	95.39
26 25 13 00-0076 EA 60 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	1,199.85	95.39
26 25 13 00-0077 EA 100 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	1,623.81	95.39
26 25 13 00-0078 EA 200 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	2,756.39	198.12
26 25 13 00-0079 EA 400 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	6,935.74	440.26
26 25 13 00-0080 EA 600 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	10,063.52	675.08
<b>26 25 13 00-0081 277/480 Volt, 4-pole, 3-Fuse</b> <small>(26 25 13 00-0058)</small>		
26 25 13 00-0082 EA 30 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	1,169.15	95.39
26 25 13 00-0083 EA 60 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	1,240.19	80.93
26 25 13 00-0084 EA 100 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	1,740.03	110.07
26 25 13 00-0085 EA 200 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	2,879.88	198.12
26 25 13 00-0086 EA 400 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	6,935.74	440.26
26 25 13 00-0087 EA 600 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	10,063.52	675.08
26 25 13 00-0088 EA 800 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	16,153.56	895.20
<b>26 25 16 Low-Voltage Cablebus Systems</b> <small>(26 25)</small>		
<b>26 25 16 00-0001 Feeder Bus Duct</b> <small>(26 25 16)</small>		
Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		



<b>26</b>	<b>Electrical</b>
<b>26 20</b>	<b>Low-Voltage Electrical Distribution</b>
<b>26 25</b>	<b>Enclosed Bus Assemblies</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 16 00-0002			<b>600 Volt, 3 Phase, 3 Wire, Ventilated Low Impedance</b> <small>(26 25 16 00-0001)</small>		
			Note: Copper conductors.		
26 25 16 00-0003	LF		800 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports .....	814.72	30.82
			For Up To 25, Add	203.68	
			For >25 To 50, Add	122.21	
			For >50 To 100, Add	61.10	
26 25 16 00-0004	LF		1,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports .....	823.69	30.82
			For Up To 25, Add	205.92	
			For >25 To 50, Add	123.55	
			For >50 To 100, Add	61.78	
26 25 16 00-0005	LF		1,350 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports .....	1,085.03	30.82
			For Up To 25, Add	271.26	
			For >25 To 50, Add	162.75	
			For >50 To 100, Add	81.38	
26 25 16 00-0006	LF		1,600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports .....	1,307.58	30.82
			For Up To 25, Add	326.90	
			For >25 To 50, Add	196.14	
			For >50 To 100, Add	98.07	
26 25 16 00-0007	LF		2,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports .....	1,601.16	30.82
			For Up To 25, Add	400.29	
			For >25 To 50, Add	240.17	
			For >50 To 100, Add	120.09	
26 25 16 00-0008	LF		3,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports .....	2,183.30	73.38
			For Up To 25, Add	545.83	
			For >25 To 50, Add	327.50	
			For >50 To 100, Add	163.75	
26 25 16 00-0009	LF		4,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports .....	3,026.93	73.38
			For Up To 25, Add	756.73	
			For >25 To 50, Add	454.04	
			For >50 To 100, Add	227.02	
26 25 16 00-0010	LF		5,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports .....	3,580.88	73.38
			For Up To 25, Add	895.22	
			For >25 To 50, Add	537.13	
			For >50 To 100, Add	268.57	
26 25 16 00-0011	LF		6,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports .....	4,417.57	73.38
			For Up To 25, Add	1,104.39	
			For >25 To 50, Add	662.64	
			For >50 To 100, Add	331.32	
26 25 16 00-0012			<b>277/480 Volt, 3 Phase, 4 Wire, Half Neutral, Ventilated</b> <small>(26 25 16 00-0001)</small>		
			Note: Low impedance, copper conductors.		
26 25 16 00-0013	LF		800 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports .....	938.41	33.02
			For Up To 25, Add	234.60	
			For >25 To 50, Add	140.76	
			For >50 To 100, Add	70.38	
26 25 16 00-0014	LF		1,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports .....	949.65	33.02
			For Up To 25, Add	237.41	
			For >25 To 50, Add	142.45	
			For >50 To 100, Add	71.22	
26 25 16 00-0015	LF		1,350 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports .....	1,228.25	33.02
			For Up To 25, Add	307.06	
			For >25 To 50, Add	184.24	
			For >50 To 100, Add	92.12	
26 25 16 00-0016	LF		1,600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports .....	1,456.50	33.02
			For Up To 25, Add	364.13	
			For >25 To 50, Add	218.48	
			For >50 To 100, Add	109.24	
26 25 16 00-0017	LF		2,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports .....	1,761.77	33.02
			For Up To 25, Add	440.44	
			For >25 To 50, Add	264.27	
			For >50 To 100, Add	132.13	
26 25 16 00-0018	LF		3,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports .....	2,715.14	56.50
			For Up To 25, Add	678.79	
			For >25 To 50, Add	407.27	
			For >50 To 100, Add	203.64	
26 25 16 00-0019	LF		4,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports .....	3,406.61	56.50
			For Up To 25, Add	851.65	
			For >25 To 50, Add	510.99	
			For >50 To 100, Add	255.50	
26 25 16 00-0020	LF		5,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports .....	4,029.34	104.93
			For Up To 25, Add	1,007.34	
			For >25 To 50, Add	604.40	
			For >50 To 100, Add	302.20	
26 25 16 00-0021	LF		6,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports .....	4,978.64	104.93
			For Up To 25, Add	1,244.66	
			For >25 To 50, Add	746.80	
			For >50 To 100, Add	373.40	

## 26 27 Low-Voltage Distribution Equipment (26 20)

### 26 27 13 Electricity Metering (26 27)

#### 26 27 13 00-0001 Revenue Metering (26 27 13)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 27 13 00-0002</b> <b>Meter Socket Base</b> <small>(26 27 13 00-0001)</small>		
Note: NEMA 3R.		
26 27 13 00-0003 EA 100 Amp, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass .....	240.53	47.69
26 27 13 00-0004 EA 100 Amp, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass .....	259.13	47.69
26 27 13 00-0005 EA 200 Amp, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass .....	322.05	58.70
26 27 13 00-0006 EA 200 Amp, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass .....	327.34	58.70
26 27 13 00-0007 EA 200 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release .....	713.08	66.04
26 27 13 00-0008 EA 320 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass, And Jaw Release .....	972.70	73.38
26 27 13 00-0009 EA 400 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass, And Jaw Release .....	2,573.59	80.71
26 27 13 00-0010 EA Combination Motor And Current Transformer Cabinet, 15-30 A, 13 Terminal, Underground, With Test Switch And Transformer - Socket Base.....	2,491.34	366.89
<b>26 27 13 00-0011</b> <b>Meter Device</b> <small>(26 27 13 00-0001)</small>		
Note: Direct read, with 15 minute demand.		
26 27 13 00-0012 EA 100 To 200 Amp, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter.....	280.52	14.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	9.03	
26 27 13 00-0013 EA 200 Amp, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter.....	835.95	14.70
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	9.19	
<b>26 27 13 00-0014</b> <b>Current Transformer Enclosure</b> <small>(26 27 13 00-0001)</small>		
26 27 13 00-0015 EA Current Transformer Cover, Screwed, 18" x 24" x 9", NEMA 3R.....	474.73	95.39
<b>26 27 13 00-0016</b> <b>120/240 Volt Meter Center And Main Breaker, Indoor Housing</b> <small>(26 27 13 00-0001)</small>		
<b>26 27 13 00-0017</b> <b>800 Amp Bus, 4 Jaw Sockets, 125 Amp Max., 2 Pole</b> <small>(26 27 13 00-0016)</small>		
26 27 13 00-0018 EA 3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max .....	1,115.10	45.87
26 27 13 00-0019 EA 4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max .....	1,476.58	55.03
26 27 13 00-0020 EA 5 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max .....	1,836.03	64.20
26 27 13 00-0021 EA 6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max .....	2,129.29	73.38
26 27 13 00-0022 EA 7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max .....	2,793.77	82.55
26 27 13 00-0023 EA 8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max .....	3,012.77	91.72
26 27 13 00-0024 EA 10 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max .....	3,511.01	110.07
<b>26 27 13 00-0025</b> <b>1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max., 2 Pole</b> <small>(26 27 13 00-0016)</small>		
26 27 13 00-0026 EA 3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max .....	2,118.41	45.87
26 27 13 00-0027 EA 4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max .....	2,798.94	55.03
26 27 13 00-0028 EA 6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max .....	3,859.02	73.38
26 27 13 00-0029 EA 7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max .....	4,278.67	82.55
26 27 13 00-0030 EA 8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max .....	5,400.65	91.72
<b>26 27 13 00-0031</b> <b>800 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole</b> <small>(26 27 13 00-0016)</small>		
26 27 13 00-0032 EA 3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC .....	1,717.64	64.20
26 27 13 00-0033 EA 4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC .....	2,273.77	73.38
26 27 13 00-0034 EA 5 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC .....	2,793.77	82.55
26 27 13 00-0035 EA 6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC .....	3,293.70	91.72
26 27 13 00-0036 EA 7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC .....	4,174.90	100.90
26 27 13 00-0037 EA 8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC .....	4,373.85	110.07
26 27 13 00-0038 EA 10 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC .....	5,433.90	128.41
<b>26 27 13 00-0039</b> <b>1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole</b> <small>(26 27 13 00-0016)</small>		
26 27 13 00-0040 EA 3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC .....	2,716.94	64.20
26 27 13 00-0041 EA 4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC .....	3,578.07	73.38
26 27 13 00-0042 EA 6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC .....	5,059.53	91.72
26 27 13 00-0043 EA 7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC .....	5,419.00	100.90
26 27 13 00-0044 EA 8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC .....	6,962.36	110.07
<b>26 27 13 00-0045</b> <b>120/208 Volt Meter Center And Main Breaker, Indoor Housing</b> <small>(26 27 13 00-0001)</small>		
<b>26 27 13 00-0046</b> <b>800 Amp Bus, 5 Jaw Sockets, 125 A Max., 2 Pole</b> <small>(26 27 13 00-0045)</small>		
26 27 13 00-0047 EA 3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max .....	1,205.68	55.03
26 27 13 00-0048 EA 4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max .....	1,589.22	64.20
26 27 13 00-0049 EA 5 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max .....	1,970.77	73.38
26 27 13 00-0050 EA 6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max .....	2,292.12	82.55
26 27 13 00-0051 EA 7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max .....	2,832.18	91.72
26 27 13 00-0052 EA 8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max .....	3,051.19	100.90
26 27 13 00-0053 EA 10 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max .....	3,770.13	119.24
<b>26 27 13 00-0054</b> <b>1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole</b> <small>(26 27 13 00-0045)</small>		
26 27 13 00-0055 EA 3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC .....	2,217.02	55.03
26 27 13 00-0056 EA 4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC .....	2,937.68	64.20
26 27 13 00-0057 EA 6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC .....	4,258.60	82.55
26 27 13 00-0058 EA 7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC .....	4,678.27	91.72

<b>26</b>	<b>Electrical</b>
<b>26 20</b>	<b>Low-Voltage Electrical Distribution</b>
<b>26 27</b>	<b>Low-Voltage Distribution Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0059 EA 8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC .....	5,679.88	100.90
<b>26 27 13 00-0060 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole</b> <small>(26 27 13 00-0045)</small>		
26 27 13 00-0061 EA 3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC .....	1,808.25	73.38
26 27 13 00-0062 EA 4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC .....	2,372.40	82.55
26 27 13 00-0063 EA 5 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC .....	2,952.60	91.72
26 27 13 00-0064 EA 6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC .....	3,452.53	100.90
26 27 13 00-0065 EA 7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC .....	4,373.87	110.07
26 27 13 00-0066 EA 8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC .....	4,572.78	119.24
26 27 13 00-0067 EA 10 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC .....	5,713.14	137.59
<b>26 27 13 00-0068 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole</b> <small>(26 27 13 00-0045)</small>		
26 27 13 00-0069 EA 3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC .....	2,835.64	73.38
26 27 13 00-0070 EA 4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC .....	3,756.97	82.55
26 27 13 00-0071 EA 6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC .....	5,419.02	100.90
26 27 13 00-0072 EA 7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC .....	5,658.09	110.07
26 27 13 00-0073 EA 8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC .....	7,221.52	119.24
<b>26 27 13 00-0074 120/240 Volt Meter Center And Main Breaker, NEMA 3R Housing</b> <small>(26 27 13 00-0001)</small>		
<b>26 27 13 00-0075 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC, 2 Pole</b> <small>(26 27 13 00-0074)</small>		
26 27 13 00-0076 EA 3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC .....	1,115.10	45.87
26 27 13 00-0077 EA 4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC .....	1,476.58	55.03
26 27 13 00-0078 EA 6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC .....	2,129.29	73.38
26 27 13 00-0079 EA 7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC .....	2,793.77	82.55
26 27 13 00-0080 EA 8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC .....	3,474.30	91.72
<b>26 27 13 00-0081 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC, 2 Pole</b> <small>(26 27 13 00-0074)</small>		
26 27 13 00-0082 EA 3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC .....	2,118.41	45.87
26 27 13 00-0083 EA 4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC .....	2,798.94	55.03
26 27 13 00-0084 EA 6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC .....	4,059.66	73.38
26 27 13 00-0085 EA 7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC .....	4,479.33	82.55
26 27 13 00-0086 EA 8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC .....	5,400.65	91.72
<b>26 27 13 00-0087 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole</b> <small>(26 27 13 00-0074)</small>		
26 27 13 00-0088 EA 3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC .....	1,717.64	64.20
26 27 13 00-0089 EA 4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC .....	2,273.77	73.38
26 27 13 00-0090 EA 6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC .....	3,293.70	91.72
26 27 13 00-0091 EA 7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC .....	4,174.90	100.90
26 27 13 00-0092 EA 8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC .....	4,373.85	110.07
<b>26 27 13 00-0093 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole</b> <small>(26 27 13 00-0074)</small>		
26 27 13 00-0094 EA 3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC .....	2,716.95	64.20
26 27 13 00-0095 EA 4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC .....	3,578.07	73.38
26 27 13 00-0096 EA 6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC .....	5,059.53	91.72
26 27 13 00-0097 EA 7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC .....	5,419.00	100.90
26 27 13 00-0098 EA 8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC .....	6,962.39	110.07
<b>26 27 13 00-0099 120/208 Volt Meter Center And Main Breaker, NEMA 3R Housing</b> <small>(26 27 13 00-0001)</small>		
<b>26 27 13 00-0100 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole</b> <small>(26 27 13 00-0099)</small>		
26 27 13 00-0101 EA 3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC .....	1,205.68	55.03
26 27 13 00-0102 EA 4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC .....	1,589.22	64.20
26 27 13 00-0103 EA 6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC .....	2,292.12	82.55
26 27 13 00-0104 EA 7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC .....	3,032.84	91.72
26 27 13 00-0105 EA 8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC .....	3,452.51	100.90
<b>26 27 13 00-0106 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole</b> <small>(26 27 13 00-0099)</small>		
26 27 13 00-0107 EA 3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC .....	2,217.02	55.03
26 27 13 00-0108 EA 4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC .....	2,937.67	64.20
26 27 13 00-0109 EA 6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC .....	4,057.94	82.55
26 27 13 00-0110 EA 7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC .....	4,477.61	91.72
26 27 13 00-0111 EA 8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC .....	5,679.86	100.90
<b>26 27 13 00-0112 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole</b> <small>(26 27 13 00-0099)</small>		
26 27 13 00-0113 EA 3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC .....	1,808.23	73.38
26 27 13 00-0114 EA 4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC .....	2,372.38	82.55
26 27 13 00-0115 EA 6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC .....	3,452.51	100.90
26 27 13 00-0116 EA 7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC .....	4,373.85	110.07
26 27 13 00-0117 EA 8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC .....	4,572.78	119.24



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 27 13 00-0118</b> 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0099)</small>		
26 27 13 00-0119 EA 3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC .....	2,835.62	73.98
26 27 13 00-0120 EA 4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC .....	3,756.95	82.55
26 27 13 00-0121 EA 6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC .....	5,419.00	100.90
26 27 13 00-0122 EA 7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC .....	5,658.09	110.07
26 27 13 00-0123 EA 8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC .....	7,221.52	119.24
<b>26 27 13 00-0124</b> Watt/Hour Meters <small>(26 27 13)</small>		
26 27 13 00-0125 EA Single Phase M-90 Meter, Socket, NEMA 3R Enclosure.....	1,145.63	44.03
26 27 13 00-0126 EA Three Phase M-90 Meter/Main Breaker Combination With Socket, NEMA 3R Enclosure .....	3,614.57	88.05
26 27 13 00-0127 EA Three Phase M-90 Meter In Line Secondary With Socket, NEMA 3R Enclosure .....	1,863.85	66.04
26 27 13 00-0128 EA Three Phase M-90 Meter, Primary Side Transformer Mount With Socket Totally Enclosed, NEMA 3R Enclosure .....	2,322.13	66.04
26 27 13 00-0129 EA Three Phase M-90 Meter, Primary Side Pole Mount With Socket, NEMA 3R Enclosure.....	1,931.17	66.04
26 27 13 00-0130 EA C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure .....	1,331.24	60.90
26 27 13 00-0131 EA P.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure.....	2,265.50	110.07
<b>26 27 13 00-0132</b> Watt/Hour Meter Systems <small>(26 27 13)</small>		
Note: Includes NEMA 3R enclosure with C.T. and NEMA 3R C.T. enclosure. systems with main breakers include an additional NEMA 3R enclosure.		
<b>26 27 13 00-0133</b> Watt/Hour Meter System Without Main Breaker <small>(26 27 13 00-0132)</small>		
26 27 13 00-0134 EA 400 Amp System; 200 Amp M-90 Meter And Enclosure.....	5,532.66	440.34
26 27 13 00-0135 EA 600-800 Amp System; 200 Amp M-90 Meter And Enclosure.....	6,614.18	440.34
<b>26 27 13 00-0136</b> Watt/Hour Meter System With Main Breaker <small>(26 27 13 00-0132)</small>		
26 27 13 00-0137 EA 400 Amp System; 400 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure .....	10,281.10	440.34
26 27 13 00-0138 EA 600 Amp System; 600 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure .....	12,639.43	440.34
26 27 13 00-0139 EA 800 Amp System; 800 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure .....	13,639.58	440.34
<b>26 27 16</b> <b>Electrical Cabinets And Enclosures</b> <small>(26 27)</small>		
Note: Can be used as enclosure or pull/junction boxes.		
<b>26 27 16 00-0001</b> NEMA 1 Enclosures, Lockable <small>(26 27 16)</small>		
<b>26 27 16 00-0002</b> Hinged Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0001)</small>		
<b>26 27 16 00-0003</b> 4" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0002)</small>		
26 27 16 00-0004 EA 6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	47.39	14.68
26 27 16 00-0005 EA 6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	53.22	16.14
26 27 16 00-0006 EA 8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	59.11	17.61
26 27 16 00-0007 EA 8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	69.00	20.54
26 27 16 00-0008 EA 10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	75.25	22.02
26 27 16 00-0009 EA 10" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	81.98	23.48
26 27 16 00-0010 EA 12" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	81.73	23.48
26 27 16 00-0011 EA 12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	88.62	24.95
26 27 16 00-0012 EA 12" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	95.89	26.42
26 27 16 00-0013 EA 16" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	124.12	35.22
26 27 16 00-0014 EA 16" x 16" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	150.61	42.56
26 27 16 00-0015 EA 18" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	142.92	41.09
<b>26 27 16 00-0016</b> 6" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0002)</small>		
26 27 16 00-0017 EA 6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	59.59	17.61
26 27 16 00-0018 EA 8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	72.54	20.54
26 27 16 00-0019 EA 10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	86.49	24.95
26 27 16 00-0020 EA 10" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	93.58	26.42
26 27 16 00-0021 EA 12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	100.81	27.88
26 27 16 00-0022 EA 12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	108.39	29.35
26 27 16 00-0023 EA 16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	137.42	38.16
26 27 16 00-0024 EA 16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	166.45	46.96
26 27 16 00-0025 EA 18" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	160.46	45.50
26 27 16 00-0026 EA 18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	209.09	58.70
26 27 16 00-0027 EA 24" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	270.26	67.51
26 27 16 00-0028 EA 24" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	309.71	73.38
26 27 16 00-0029 EA 30" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	345.73	77.78
26 27 16 00-0030 EA 36" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	378.07	80.71
26 27 16 00-0031 EA 24-1/2" x 12-1/2" x 6-1/2" Hinged Cover, Galvanized Steel NEMA 1 Enclosure (Control Products MH3803L) .....	243.11	58.70
<b>26 27 16 00-0032</b> Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0001)</small>		
<b>26 27 16 00-0033</b> 3" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0032)</small>		
26 27 16 00-0034 EA 4" x 4" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	32.66	10.28
26 27 16 00-0035 EA 6" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	46.68	14.68
26 27 16 00-0036 EA 8" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	52.13	16.14



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0037			<b>4" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures</b> (26 27 16 00-0032)		
26 27 16 00-0038	EA		4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	36.45	11.74
26 27 16 00-0039	EA		6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	45.17	14.68
26 27 16 00-0040	EA		6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	50.51	16.14
26 27 16 00-0041	EA		8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	55.96	17.61
26 27 16 00-0042	EA		8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	65.28	20.54
26 27 16 00-0043	EA		10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	71.00	22.02
26 27 16 00-0044	EA		10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	77.02	23.48
26 27 16 00-0045	EA		12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	76.79	23.48
26 27 16 00-0046	EA		12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	83.09	24.95
26 27 16 00-0047	EA		12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	89.58	26.42
26 27 16 00-0048	EA		16" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	117.02	35.22
26 27 16 00-0049	EA		16" x 16" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	144.93	44.03
26 27 16 00-0050	EA		18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	134.42	41.09
26 27 16 00-0051	EA		18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	174.21	52.83
26 27 16 00-0052	EA		24" x 24" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	253.92	66.04
26 27 16 00-0053			<b>6" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures</b> (26 27 16 00-0032)		
26 27 16 00-0054	EA		6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	56.29	17.61
26 27 16 00-0055	EA		8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	62.17	19.08
26 27 16 00-0056	EA		8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	71.66	22.02
26 27 16 00-0057	EA		10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	81.36	24.95
26 27 16 00-0058	EA		10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	87.76	26.42
26 27 16 00-0059	EA		12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	94.23	27.88
26 27 16 00-0060	EA		12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	100.98	29.35
26 27 16 00-0061	EA		16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	129.15	38.16
26 27 16 00-0062	EA		16" x 16" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	158.67	46.96
26 27 16 00-0063	EA		18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	150.60	45.50
26 27 16 00-0064	EA		18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	195.91	58.70
26 27 16 00-0065	EA		24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	246.05	67.51
26 27 16 00-0066	EA		24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	282.92	73.38
26 27 16 00-0067	EA		30" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	305.81	77.78
26 27 16 00-0068	EA		36" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	335.53	80.71
26 27 16 00-0069			<b>8" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures</b> (26 27 16 00-0032)		
26 27 16 00-0070	EA		8" x 8" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	81.36	24.95
26 27 16 00-0071	EA		12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	111.41	32.28
26 27 16 00-0072	EA		16" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	141.62	41.09
26 27 16 00-0073	EA		16" x 16" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	175.69	51.36
26 27 16 00-0074	EA		18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	167.73	49.90
26 27 16 00-0075	EA		18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	207.82	61.64
26 27 16 00-0076	EA		24" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	231.37	70.44
26 27 16 00-0077	EA		24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	269.97	74.85
26 27 16 00-0078	EA		24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	312.03	80.71
26 27 16 00-0079	EA		30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	332.19	85.12
26 27 16 00-0080	EA		30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	349.33	88.05
26 27 16 00-0081	EA		36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	359.12	88.05
26 27 16 00-0082			<b>10" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures</b> (26 27 16 00-0032)		
26 27 16 00-0083	EA		18" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	190.56	55.77
26 27 16 00-0084	EA		18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	251.13	71.91
26 27 16 00-0085	EA		24" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	253.38	76.31
26 27 16 00-0086	EA		24" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	332.66	82.19
26 27 16 00-0087	EA		24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	383.69	90.99
26 27 16 00-0088	EA		30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	427.46	93.93
26 27 16 00-0089	EA		36" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	456.43	98.33
26 27 16 00-0090			<b>12" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures</b> (26 27 16 00-0032)		
26 27 16 00-0091	EA		18" x 18" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	277.29	79.25
26 27 16 00-0092	EA		24" x 12" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	275.07	83.65
26 27 16 00-0093	EA		24" x 18" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	365.62	90.99
26 27 16 00-0094	EA		24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	418.70	99.79
26 27 16 00-0095	EA		30" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	471.67	104.19
26 27 16 00-0096	EA		36" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	497.79	108.59
26 27 16 00-0097			<b>NEMA 1 Enclosures For Up To 6 Boards, Lockable</b> (26 27 16)		
26 27 16 00-0098			<b>4.5" Depth, Hinged Cover, Powder Coated Steel, NEMA 1 Enclosures</b> (26 27 16 00-0097)		
26 27 16 00-0099	EA		24" High x 18" Wide x 4.5" Deep, 18 Gauge, Powder Coated Steel, NEMA 1 Enclosure (RS2 Technologies NCL-12).....	686.43	64.57



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0100 NEMA 12 Enclosures, Lockable <small>(26 27 16)</small> Note: Dust-tight enclosures.		
26 27 16 00-0101 Hinged Cover, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0100)</small>		
26 27 16 00-0102 4" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0101)</small>		
26 27 16 00-0103 EA 4" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure .....	69.79	11.74
26 27 16 00-0104 EA 6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure .....	90.66	16.14
26 27 16 00-0105 EA 8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure .....	112.00	20.54
26 27 16 00-0106 EA 10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure .....	121.32	22.02
26 27 16 00-0107 EA 12" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure .....	136.52	23.48
26 27 16 00-0108 EA 12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure .....	147.15	24.95
26 27 16 00-0109 6" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0101)</small>		
26 27 16 00-0110 EA 6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure .....	100.74	17.61
26 27 16 00-0111 EA 8" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure .....	111.07	19.08
26 27 16 00-0112 Screw Cover, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0100)</small>		
26 27 16 00-0113 4" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0112)</small>		
26 27 16 00-0114 EA 4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	149.56	11.74
26 27 16 00-0115 EA 6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	178.50	16.14
26 27 16 00-0116 EA 8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	202.14	17.61
26 27 16 00-0117 EA 8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	231.08	20.54
26 27 16 00-0118 EA 10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	237.29	22.02
26 27 16 00-0119 EA 10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	281.35	23.48
26 27 16 00-0120 EA 12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	302.21	24.95
26 27 16 00-0121 EA 12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	344.77	26.42
26 27 16 00-0122 6" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0112)</small>		
26 27 16 00-0123 EA 6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	218.22	17.61
26 27 16 00-0124 EA 8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	247.06	19.08
26 27 16 00-0125 EA 8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	268.76	22.02
26 27 16 00-0126 EA 10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	317.71	26.42
26 27 16 00-0127 EA 12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	344.74	29.35
26 27 16 00-0128 EA 16" x 14" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	479.88	38.16
26 27 16 00-0129 EA 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	743.82	58.70
26 27 16 00-0130 EA 24" x 16" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	978.47	67.51
26 27 16 00-0131 EA 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,104.38	73.38
26 27 16 00-0132 8" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0112)</small>		
26 27 16 00-0133 EA 24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,018.30	74.85
26 27 16 00-0134 EA 24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,175.98	80.71
26 27 16 00-0135 EA 30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,294.27	85.12
26 27 16 00-0136 EA 30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,429.55	88.05
26 27 16 00-0137 EA 36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,409.33	88.05
26 27 16 00-0138 Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0100)</small>		
26 27 16 00-0139 8" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0138)</small>		
26 27 16 00-0140 EA 60" x 48" x 8" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	4,586.44	119.24
26 27 16 00-0141 10" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0138)</small>		
26 27 16 00-0142 EA 60" x 48" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	4,626.74	132.08
26 27 16 00-0143 EA 60" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	5,310.96	141.26
26 27 16 00-0144 EA 72" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	6,104.99	176.11
26 27 16 00-0145 EA 72" x 72" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	6,813.05	207.65
26 27 16 00-0146 12" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures <small>(26 27 16 00-0138)</small>		
26 27 16 00-0147 EA 60" x 48" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	4,911.49	207.65
26 27 16 00-0148 EA 60" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	5,479.15	220.14
26 27 16 00-0149 EA 72" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	6,228.66	234.81
26 27 16 00-0150 EA 72" x 72" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	6,881.97	234.81
26 27 16 00-0151 NEMA 3 Enclosures, Lockable <small>(26 27 16)</small> Note: Can be used underground or encased in concrete.		
26 27 16 00-0152 2" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <small>(26 27 16 00-0151)</small>		
26 27 16 00-0153 EA 4" x 4" x 2" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	211.08	51.36

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0154			<b>3" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures</b> (26 27 16 00-0151)		
26 27 16 00-0155	EA		4" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	228.23	51.36
26 27 16 00-0156	EA		5" x 5" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	296.81	53.19
26 27 16 00-0157	EA		6" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	308.47	53.19
26 27 16 00-0158	EA		6" x 6" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	392.46	55.03
26 27 16 00-0159			<b>4" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures</b> (26 27 16 00-0151)		
26 27 16 00-0160	EA		4" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	293.65	53.19
26 27 16 00-0161	EA		5" x 5" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	324.16	53.19
26 27 16 00-0162	EA		6" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	338.08	55.03
26 27 16 00-0163	EA		6" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	431.79	55.03
26 27 16 00-0164	EA		8" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	475.41	58.70
26 27 16 00-0165	EA		8" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	512.09	62.37
26 27 16 00-0166	EA		10" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	534.37	62.37
26 27 16 00-0167	EA		10" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	639.63	64.20
26 27 16 00-0168	EA		12" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	695.43	66.04
26 27 16 00-0169	EA		12" x 12" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	959.28	73.38
26 27 16 00-0170			<b>6" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures</b> (26 27 16 00-0151)		
26 27 16 00-0171	EA		6" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	456.57	56.86
26 27 16 00-0172	EA		8" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	578.51	64.20
26 27 16 00-0173	EA		8" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	681.72	66.04
26 27 16 00-0174	EA		10" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	789.15	67.87
26 27 16 00-0175	EA		10" x 10" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	841.72	67.87
26 27 16 00-0176	EA		12" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	958.99	73.38
26 27 16 00-0177	EA		12" x 12" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,110.28	82.55
26 27 16 00-0178	EA		16" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,045.74	78.88
26 27 16 00-0179	EA		18" x 12" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	2,035.97	146.75
26 27 16 00-0180	EA		18" x 18" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	3,557.67	183.44
26 27 16 00-0181			<b>8" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures</b> (26 27 16 00-0151)		
26 27 16 00-0182	EA		8" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	849.14	69.71
26 27 16 00-0183	EA		12" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,282.56	91.72
26 27 16 00-0184	EA		12" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,304.03	91.72
26 27 16 00-0185	EA		16" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,760.96	137.59
26 27 16 00-0186	EA		18" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	2,334.20	146.75
26 27 16 00-0187	EA		24" x 24" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	5,973.05	256.82
26 27 16 00-0188			<b>10" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures</b> (26 27 16 00-0151)		
26 27 16 00-0189	EA		18" x 12" x 10" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	3,117.66	183.44
26 27 16 00-0190			<b>12" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures</b> (26 27 16 00-0151)		
26 27 16 00-0191	EA		18" x 18" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	4,821.66	220.14
26 27 16 00-0192	EA		24" x 12" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	3,956.36	201.79
26 27 16 00-0193			<b>NEMA 3R Enclosures, Lockable</b> (26 27 16) Note: Rain-tight enclosures.		
26 27 16 00-0194			<b>Hinged Cover, Galvanized Steel NEMA 3R Enclosures</b> (26 27 16 00-0193)		
26 27 16 00-0195			<b>4" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures</b> (26 27 16 00-0194)		
26 27 16 00-0196	EA		6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	54.23	14.68
26 27 16 00-0197	EA		6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	59.83	16.14
26 27 16 00-0198	EA		8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	80.42	16.14
26 27 16 00-0199			<b>6" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures</b> (26 27 16 00-0194)		
26 27 16 00-0200	EA		8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	105.74	22.02
26 27 16 00-0201	EA		10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	118.40	24.95
26 27 16 00-0202	EA		12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	137.94	27.88
26 27 16 00-0203	EA		12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	148.56	29.35
26 27 16 00-0204	EA		16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	193.38	38.16
26 27 16 00-0205	EA		16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	232.20	46.96
26 27 16 00-0206	EA		18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	268.82	58.70
26 27 16 00-0207			<b>8" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures</b> (26 27 16 00-0194)		
26 27 16 00-0208	EA		24" x 20" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	398.10	74.85
26 27 16 00-0209	EA		24" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	439.89	80.71
26 27 16 00-0210	EA		30" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	491.11	85.12
26 27 16 00-0211	EA		30" x 30" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	515.50	88.05



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0212			<b>10" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures</b> (26 27 16 00-0194)		
26 27 16 00-0213	EA		12" x 48" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	492.36	90.99
26 27 16 00-0214	EA		12" x 54" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	556.13	102.73
26 27 16 00-0215	EA		12" x 60" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	615.80	113.74
26 27 16 00-0216	EA		12" x 66" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	678.12	125.48
26 27 16 00-0217	EA		12" x 72" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	738.51	136.48
26 27 16 00-0218	EA		18" x 18" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	329.53	71.91
26 27 16 00-0219	EA		24" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	492.36	90.99
26 27 16 00-0220	EA		30" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	573.14	93.93
26 27 16 00-0221	EA		36" x 36" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	714.04	102.73
26 27 16 00-0222			<b>12" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures</b> (26 27 16 00-0194)		
26 27 16 00-0223	EA		12" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	466.36	72.64
26 27 16 00-0224	EA		12" x 54" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	523.15	81.45
26 27 16 00-0225	EA		12" x 60" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	579.21	90.26
26 27 16 00-0226	EA		12" x 66" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	640.26	99.79
26 27 16 00-0227	EA		12" x 72" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	697.05	108.59
26 27 16 00-0228	EA		18" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	348.53	54.30
26 27 16 00-0229	EA		18" x 32" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	466.36	72.64
26 27 16 00-0230	EA		18" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	523.15	81.45
26 27 16 00-0231	EA		18" x 42" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	615.17	95.39
26 27 16 00-0232	EA		18" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	697.05	108.59
26 27 16 00-0233	EA		30" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	665.29	107.13
26 27 16 00-0234	EA		36" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	697.05	108.59
26 27 16 00-0235	EA		36" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	732.22	111.53
26 27 16 00-0236	EA		36" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	810.77	117.41
26 27 16 00-0237	EA		42" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	876.47	123.27
26 27 16 00-0238			<b>Screw Cover, Galvanized Steel NEMA 3R Enclosures</b> (26 27 16 00-0193)		
26 27 16 00-0239			<b>4" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures</b> (26 27 16 00-0238)		
26 27 16 00-0240	EA		4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	46.80	11.74
26 27 16 00-0241	EA		6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	56.33	14.68
26 27 16 00-0242	EA		6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	62.23	16.14
26 27 16 00-0243	EA		8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	69.15	17.61
26 27 16 00-0244	EA		8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	80.24	20.54
26 27 16 00-0245	EA		10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	87.66	22.02
26 27 16 00-0246	EA		10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	95.78	23.48
26 27 16 00-0247	EA		12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	95.30	23.48
26 27 16 00-0248	EA		12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	104.53	24.95
26 27 16 00-0249	EA		12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	112.65	26.42
26 27 16 00-0250	EA		18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	169.60	41.09
26 27 16 00-0251	EA		18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	227.23	52.83
26 27 16 00-0252			<b>6" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures</b> (26 27 16 00-0238)		
26 27 16 00-0253	EA		6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	64.38	17.61
26 27 16 00-0254	EA		8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	88.94	22.02
26 27 16 00-0255	EA		10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	100.75	24.95
26 27 16 00-0256	EA		10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	109.53	26.42
26 27 16 00-0257	EA		12" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	108.83	26.42
26 27 16 00-0258	EA		12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	118.19	27.88
26 27 16 00-0259	EA		12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	127.63	29.35
26 27 16 00-0260	EA		16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	166.64	38.16
26 27 16 00-0261	EA		18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	191.01	45.50
26 27 16 00-0262	EA		18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	255.94	58.70
26 27 16 00-0263	EA		24" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	266.21	63.11
26 27 16 00-0264	EA		24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	306.76	67.51
26 27 16 00-0265	EA		24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	346.96	73.38
26 27 16 00-0266			<b>8" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures</b> (26 27 16 00-0238)		
26 27 16 00-0267	EA		12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	143.16	32.28
26 27 16 00-0268	EA		18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	205.65	49.90
26 27 16 00-0269	EA		18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	283.39	64.57
26 27 16 00-0270	EA		24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	339.35	74.85
26 27 16 00-0271	EA		24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	386.09	80.71
26 27 16 00-0272	EA		30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	431.40	85.12
26 27 16 00-0273			<b>10" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures</b> (26 27 16 00-0238)		
26 27 16 00-0274	EA		18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	312.27	71.91
26 27 16 00-0275	EA		24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	423.36	90.99
26 27 16 00-0276	EA		30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	467.66	93.93



**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 27 16 00-0277</b> 12" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0238)</small>		
26 27 16 00-0278 EA 24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	468.08	99.79
26 27 16 00-0279 EA 30" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	668.38	108.59
26 27 16 00-0280 EA 36" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	691.15	111.53
26 27 16 00-0281 EA 36" x 36" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	815.38	117.41
<b>26 27 16 00-0282</b> NEMA 4 Enclosures, Lockable <small>(26 27 16)</small>		
Note: Water-tight enclosures.		
<b>26 27 16 00-0283</b> Hinge Cover, Painted Steel NEMA 4 Enclosures <small>(26 27 16 00-0282)</small>		
26 27 16 00-0284 EA 4" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	82.96	10.28
26 27 16 00-0285 EA 6" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	96.33	12.47
26 27 16 00-0286 EA 8" x 6" x 3.5" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	120.17	16.14
26 27 16 00-0287 EA 6" x 6" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	113.66	16.14
26 27 16 00-0288 EA 10" x 8" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	151.52	22.02
26 27 16 00-0289 EA 12" x 10" x 5" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	189.65	26.42
26 27 16 00-0290 EA 10" x 8" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	174.72	24.95
26 27 16 00-0291 EA 12" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	203.47	29.35
26 27 16 00-0292 EA 14" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	240.09	33.76
26 27 16 00-0293 EA 16" x 14" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	289.61	42.56
<b>26 27 16 00-0294</b> Clamp Cover, Painted Steel NEMA 4 Enclosures <small>(26 27 16 00-0282)</small>		
26 27 16 00-0295 EA 4" x 4" x 3" Clamp Cover, Painted Steel NEMA 4 Enclosure .....	75.40	10.28
26 27 16 00-0296 EA 6" x 6" x 4" Clamp Cover, Painted Steel NEMA 4 Enclosure .....	106.11	16.14
<b>26 27 16 00-0297</b> Screw Cover, Fiberglass NEMA 4 Or 4x Enclosures <small>(26 27 16 00-0282)</small>		
26 27 16 00-0298 EA 6" x 6" x 4" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure .....	93.65	14.09
26 27 16 00-0299 EA 8" x 6" x 4" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure .....	99.24	15.26
26 27 16 00-0300 EA 10" x 8" x 6" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure .....	120.76	19.96
26 27 16 00-0301 EA 12" x 10" x 6" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure .....	142.09	22.02
26 27 16 00-0302 EA 14" x 12" x 8" Screw Cover, Fiberglass NEMA 4 Enclosure .....	184.58	27.88
26 27 16 00-0303 EA 16" x 14" x 8" Screw Cover, Fiberglass NEMA 4 Enclosure .....	215.53	33.02
26 27 16 00-0304 EA 18" x 16" x 10" Screw Cover, Fiberglass NEMA 4 Enclosure .....	297.81	52.83
<b>26 27 16 00-0305</b> NEMA 4X Enclosures, Lockable <small>(26 27 16)</small>		
Note: Water-tight enclosures.		
<b>26 27 16 00-0306</b> Clamp Cover, Aluminum NEMA 4X Enclosures <small>(26 27 16 00-0305)</small>		
26 27 16 00-0307 EA 6" x 4" x 3" Clamp Cover, Aluminum NEMA 4X Enclosure .....	172.78	11.74
26 27 16 00-0308 EA 6" x 6" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure .....	201.68	16.14
26 27 16 00-0309 EA 10" x 8" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure .....	254.27	22.02
26 27 16 00-0310 EA 12" x 10" x 5" Clamp Cover, Aluminum NEMA 4X Enclosure .....	308.96	26.42
26 27 16 00-0311 EA 14" x 12" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure .....	379.86	33.76
26 27 16 00-0312 EA 16" x 14" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure .....	446.21	42.56
<b>26 27 16 00-0313</b> Clamp Cover, 304 Stainless Steel NEMA 4X Enclosures <small>(26 27 16 00-0305)</small>		
26 27 16 00-0314 EA 4" x 4" x 3" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....	155.77	10.28
For 316L Stainless Steel, Add	35.12	
26 27 16 00-0315 EA 6" x 4" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....	203.15	14.68
For 316L Stainless Steel, Add	44.94	
26 27 16 00-0316 EA 6" x 6" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....	230.00	16.14
For 316L Stainless Steel, Add	51.20	
26 27 16 00-0317 EA 8" x 6" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....	262.88	17.61
For 316L Stainless Steel, Add	59.09	
26 27 16 00-0318 EA 10" x 8" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....	323.01	22.02
For 316L Stainless Steel, Add	72.35	
26 27 16 00-0319 EA 12" x 10" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....	453.05	27.88
For 316L Stainless Steel, Add	103.50	
26 27 16 00-0320 EA 14" x 12" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....	564.38	33.76
For 316L Stainless Steel, Add	129.60	
26 27 16 00-0321 EA 16" x 14" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....	681.17	42.56
For 316L Stainless Steel, Add	155.19	
<b>26 27 16 00-0322</b> Screw Cover, Polycarbonate NEMA 4X Enclosures <small>(26 27 16 00-0305)</small>		
Note: NEMA 3R, 4, 4X and 12 rated.		
26 27 16 00-0323 EA 6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	86.66	16.14
26 27 16 00-0324 EA 8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	97.64	17.61
26 27 16 00-0325 EA 8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	111.68	20.54
26 27 16 00-0326 EA 10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	121.44	22.02
26 27 16 00-0327 EA 12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	140.35	24.95
26 27 16 00-0328 EA 10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	131.82	24.95
26 27 16 00-0329 EA 12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	153.75	27.88
26 27 16 00-0330 EA 14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	192.82	33.76
26 27 16 00-0331 EA 16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	245.94	46.23
26 27 16 00-0332 EA 18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	315.83	66.56



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0333 EA 6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	93.37	16.14
26 27 16 00-0334 EA 8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	105.57	17.61
26 27 16 00-0335 EA 8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	120.21	20.54
26 27 16 00-0336 EA 10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	131.79	22.02
26 27 16 00-0337 EA 12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	151.31	24.95
26 27 16 00-0338 EA 10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	142.18	24.95
26 27 16 00-0339 EA 12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	167.80	27.88
26 27 16 00-0340 EA 14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	200.13	33.76
26 27 16 00-0341 EA 16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	261.18	46.23
26 27 16 00-0342 EA 18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	332.28	66.56
<b>26 27 16 00-0343 Hinged Cover, Polycarbonate NEMA 4X Enclosures (26 27 16 00-0305)</b>		
Note: NEMA 3R, 4, 4X and 12 rated.		
26 27 16 00-0344 EA 6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	105.55	16.14
26 27 16 00-0345 EA 8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	112.88	17.61
26 27 16 00-0346 EA 8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	128.12	20.54
26 27 16 00-0347 EA 10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	138.50	22.02
26 27 16 00-0348 EA 12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	164.11	24.95
26 27 16 00-0349 EA 10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	150.71	24.95
26 27 16 00-0350 EA 12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	185.46	27.88
26 27 16 00-0351 EA 14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	220.24	33.76
26 27 16 00-0352 EA 16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	269.71	46.23
26 27 16 00-0353 EA 18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	346.90	66.56
26 27 16 00-0354 EA 6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	110.42	16.14
26 27 16 00-0355 EA 8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	122.01	17.61
26 27 16 00-0356 EA 8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	136.65	20.54
26 27 16 00-0357 EA 10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	147.63	22.02
26 27 16 00-0358 EA 12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	176.30	24.95
26 27 16 00-0359 EA 10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	161.06	24.95
26 27 16 00-0360 EA 12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	198.26	27.88
26 27 16 00-0361 EA 14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	226.33	33.76
26 27 16 00-0362 EA 16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	289.80	46.23
26 27 16 00-0363 EA 18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	368.22	66.56
<b>26 27 16 00-0364 NEMA 7/9 Enclosures, Lockable (26 27 16)</b>		
Note: Nominal inside dimensions.		
<b>26 27 16 00-0365 4" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0364)</b>		
26 27 16 00-0366 EA 6" x 6" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	1,000.96	82.55
For Mounting Pan, Add		44.25
26 27 16 00-0367 EA 6" x 8" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	787.63	88.05
For Mounting Pan, Add		82.45
26 27 16 00-0368 EA 8" x 10" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	1,574.17	99.06
For Mounting Pan, Add		113.69
<b>26 27 16 00-0369 6" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0364)</b>		
26 27 16 00-0370 EA 8" x 8" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	1,394.62	99.06
For Mounting Pan, Add		57.81
26 27 16 00-0371 EA 8" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	1,829.96	101.81
For Mounting Pan, Add		113.69
26 27 16 00-0372 EA 8" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	1,869.82	110.07
For Mounting Pan, Add		86.96
26 27 16 00-0373 EA 10" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	1,920.29	110.07
For Mounting Pan, Add		101.75
26 27 16 00-0374 EA 10" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	2,723.55	137.59
For Mounting Pan, Add		133.49
26 27 16 00-0375 EA 12" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	2,570.16	123.82
For Mounting Pan, Add		83.35
26 27 16 00-0376 EA 12" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	2,654.46	137.59
For Mounting Pan, Add		124.71
26 27 16 00-0377 EA 12" x 24" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	4,083.76	247.65
For Mounting Pan, Add		167.79
26 27 16 00-0378 EA 14" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	3,257.39	165.10
For Mounting Pan, Add		163.36
26 27 16 00-0379 EA 16" x 16" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	4,247.26	275.17
For Mounting Pan, Add		149.98
26 27 16 00-0380 EA 18" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	5,116.25	275.17
For Mounting Pan, Add		243.82
<b>26 27 16 00-0381 8" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0364)</b>		
26 27 16 00-0382 EA 8" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	2,184.40	123.82
For Mounting Pan, Add		86.96
26 27 16 00-0383 EA 10" x 10" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	2,200.09	123.82
For Mounting Pan, Add		101.75

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0384	EA		10" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	2,498.81 133.49	123.82
26 27 16 00-0385	EA		12" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	2,768.93 83.35	137.59
26 27 16 00-0386	EA		12" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	4,002.84 124.71	247.65
26 27 16 00-0387	EA		12" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	4,870.32 167.79	302.69
26 27 16 00-0388	EA		12" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	7,704.14 252.33	357.71
26 27 16 00-0389	EA		14" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	4,371.40 163.36	302.69
26 27 16 00-0390	EA		16" x 16" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	4,494.34 149.98	302.69
26 27 16 00-0391	EA		16" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	6,752.66 224.81	330.19
26 27 16 00-0392	EA		18" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	5,563.35 243.82	302.69
26 27 16 00-0393	EA		18" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	7,466.16 356.53	330.19
26 27 16 00-0394	EA		18" x 30" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	7,413.97 475.31	330.19
26 27 16 00-0395	EA		18" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	11,544.45 594.04	440.26
26 27 16 00-0396	EA		24" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	8,775.70 552.36	357.71
26 27 16 00-0397	EA		24" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	15,945.39 756.18	550.33
<b>26 27 16 00-0398</b>			<b>10" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures</b> <small>(26 27 16 00-0364)</small>		
26 27 16 00-0399	EA		12" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	8,020.37 252.33	357.71
26 27 16 00-0400	EA		16" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	7,382.54 224.81	330.19
26 27 16 00-0401	EA		18" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	8,043.91 356.53	357.71
26 27 16 00-0402	EA		18" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	10,192.43 594.04	385.23
26 27 16 00-0403	EA		24" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	8,998.01 552.36	385.23
26 27 16 00-0404	EA		24" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	17,394.11 756.18	550.33
<b>26 27 16 00-0405</b>			<b>12" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures</b> <small>(26 27 16 00-0364)</small>		
26 27 16 00-0406	EA		12" x 24" x 12" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure ..... <i>For Mounting Pan, Add</i>	4,983.10 167.79	302.69
<b>26 27 16 00-0407</b>			<b>Breaker Enclosures</b> <small>(26 27 16)</small> See CSI section 26 24 16 00-0001 for lighting and power panel boards.		
<b>26 27 16 00-0408</b>			<b>15 To 100 Amp, F-Frame Breaker Enclosures</b> <small>(26 27 16 00-0407)</small>		
26 27 16 00-0409	EA		NEMA 1, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure.....	284.18	58.70
26 27 16 00-0410	EA		NEMA 3R, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure.....	558.61	58.70
26 27 16 00-0411	EA		NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 100 Amp, F-Frame Breaker Enclosure.....	1,424.14	80.71
26 27 16 00-0412	EA		NEMA 7, Cast Aluminum, 15 To 100 Amp, F-Frame Breaker Enclosure.....	1,946.20	88.05
26 27 16 00-0413	EA		NEMA 9, Cast Aluminum, 15 To 100 Amp, F-Frame Breaker Enclosure.....	1,401.76	88.05
26 27 16 00-0414	EA		NEMA 12, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure.....	457.04	80.71
<b>26 27 16 00-0415</b>			<b>15 To 250 Amp, H Or J-Frame Breaker Enclosures</b> <small>(26 27 16 00-0407)</small>		
26 27 16 00-0416	EA		NEMA 1, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure.....	463.21	80.71
26 27 16 00-0417	EA		NEMA 3R, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure.....	902.66	80.71
26 27 16 00-0418	EA		NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure.....	3,210.02	102.73
26 27 16 00-0419	EA		NEMA 12, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure.....	719.01	102.73
<b>26 27 16 00-0420</b>			<b>125 To 400 Amp, L-Frame Breaker Enclosures</b> <small>(26 27 16 00-0407)</small>		
26 27 16 00-0421	EA		NEMA 1, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure.....	699.64	161.43
26 27 16 00-0422	EA		NEMA 3R, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure.....	1,783.28	161.43
26 27 16 00-0423	EA		NEMA 3/3R/4/4X/5/12, Stainless Steel, 125 To 400 Amp, L-Frame Breaker Enclosure.....	5,416.80	205.46
26 27 16 00-0424	EA		NEMA 12, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure.....	1,207.66	205.46
<b>26 27 16 00-0425</b>			<b>300 To 800 Amp, M-Frame Breaker Enclosures</b> <small>(26 27 16 00-0407)</small>		
26 27 16 00-0426	EA		NEMA 1, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure.....	1,376.16	308.19
26 27 16 00-0427	EA		NEMA 3R, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure.....	2,521.51	308.19
26 27 16 00-0428	EA		NEMA 3/3R/4/4X/5/12, Stainless Steel, 300 To 800 Amp, M-Frame Breaker Enclosure.....	9,726.71	396.24



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0429 EA NEMA 12, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure.....	5,132.05	396.24
<b>26 27 16 00-0430 250 To 1,200 Amp, P-Frame Breaker Enclosures</b> <small>(26 27 16 00-0407)</small>		
26 27 16 00-0431 EA NEMA 1, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure .....	1,728.23	308.19
26 27 16 00-0432 EA NEMA 3R, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure.....	3,078.31	308.19
26 27 16 00-0433 EA NEMA 3R/5/12, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure.....	6,526.25	396.24
<b>26 27 16 00-0434 Legend Plates</b> <small>(26 27 16)</small>		
26 27 16 00-0435 EA 3" Phenolic Plastic Cabinet Legend Plate Engraved With 1/2" Letters .....	10.77	3.67
26 27 16 00-0436 EA 3" Engraved Aluminum Cabinet Legend Plate Engraved With 1/2" Letters .....	15.81	3.67
<b>26 27 19 Multi-Outlet Assemblies</b> <small>(26 27)</small>		
<b>26 27 19 00-0001 Surface Metal Raceway, Preassembled With Outlets</b> <small>(26 27 19)</small>		
<small>Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. Labor units to include material handling, unloading at job site, layout of job, measuring, cutting and assembly (Wiremold or approved equal).</small>		
26 27 19 00-0002 LF Plugmold #2000, 3' With Outlets 6" On Center, Single Circuit.....	19.42	5.35
<i>For Concrete Or Masonry Surface, Add</i>	<i>0.54</i>	
26 27 19 00-0003 LF Plugmold #2000, 6' With Outlets 6" On Center, Single Circuit.....	15.19	3.82
<i>For Concrete Or Masonry Surface, Add</i>	<i>0.39</i>	
26 27 19 00-0004 LF Plugmold #2000, 6' With Outlets 9" On Center, Single Circuit.....	14.12	4.04
<i>For Concrete Or Masonry Surface, Add</i>	<i>0.40</i>	
26 27 19 00-0005 LF Plugmold #2000, 6' With Outlets 12" On Center, Single Circuit.....	15.84	3.82
<i>For Concrete Or Masonry Surface, Add</i>	<i>0.39</i>	
26 27 19 00-0006 LF Plugmold #2000, 6' With Outlets 18" On Center, Single Circuit.....	12.49	3.89
<i>For Concrete Or Masonry Surface, Add</i>	<i>0.39</i>	
26 27 19 00-0007 LF Plugmold #2000, 6' With Outlets 9" On Center, Two Circuits .....	17.97	3.82
<i>For Concrete Or Masonry Surface, Add</i>	<i>0.39</i>	
26 27 19 00-0008 LF Plugmold #2000, 6' With Outlets 12" On Center, Two Circuits .....	15.65	3.82
<i>For Concrete Or Masonry Surface, Add</i>	<i>0.39</i>	
26 27 19 00-0009 LF Plugmold #2000, 6' With Outlets 18" On Center, Two Circuits .....	17.04	3.82
<i>For Concrete Or Masonry Surface, Add</i>	<i>0.39</i>	
<b>26 27 23 Indoor Service Poles</b> <small>(26 27)</small>		
<b>26 27 23 00-0001 Communication And Power Poles</b> <small>(26 27 23)</small>		
<small>Note: Includes separate compartments for power and communication cable. Includes removable cover plates with knock-outs for modular jacks and openings to accept modular furniture adapters for communication devices. Includes all necessary mounting plates and assemblies. Excludes electrical and communications wire, power outlets and communication devices. Wiremold Tele-Power Pole series.</small>		
<b>26 27 23 00-0002 Steel Communication And Power Poles</b> <small>(26 27 23 00-0001)</small>		
<b>26 27 23 00-0003 2-1/4" Width, Steel Communication And Power Poles</b> <small>(26 27 23 00-0002)</small>		
<b>26 27 23 00-0004 2-1/4" Width, Steel Communication And Power Poles</b> <small>(26 27 23 00-0003)</small>		
26 27 23 00-0005 EA 2-1/4" x 2-5/16", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole .....	230.69	32.53
26 27 23 00-0006 EA 2-1/4" x 2-5/16", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole .....	252.21	32.53
26 27 23 00-0007 EA 2-1/4" x 2-5/16", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole .....	277.09	32.53
<b>26 27 23 00-0008 Additional Cover Plates For 2-1/4" Width, Steel Communication And Power Poles</b> <small>(26 27 23 00-0003)</small>		
<small>Note: Excludes receptacles, communication jacks and wiring.</small>		
26 27 23 00-0009 EA Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One Single Receptacle .....	47.21	6.71
26 27 23 00-0010 EA Add-On 2-1/4" Width Steel Cover Plate For Three Duplex Receptacles.....	40.41	6.71
26 27 23 00-0011 EA Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One GFCI Receptacle.....	46.27	6.71
26 27 23 00-0012 EA Add-On 2-1/4" Width Steel Cover Plate For Data And A/V Modular Devices .....	33.29	6.71
26 27 23 00-0013 EA Add-On 2-1/4" Width Steel Cover Plate Radius Control Entrance End Fitting .....	26.74	6.71
<b>26 27 23 00-0014 2-3/4" Width, Steel Communication And Power Poles</b> <small>(26 27 23 00-0002)</small>		
<b>26 27 23 00-0015 2-3/4" Width, Steel Communication And Power Poles</b> <small>(26 27 23 00-0014)</small>		
26 27 23 00-0016 EA 2-3/4" x 1-17/32", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	304.47	32.53
26 27 23 00-0017 EA 2-3/4" x 1-17/32", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	350.72	32.53
26 27 23 00-0018 EA 2-3/4" x 1-17/32", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	375.67	32.53
<b>26 27 23 00-0019 Additional Cover Plates For 2-3/4" Width, Steel Communication And Power Poles</b> <small>(26 27 23 00-0014)</small>		
<small>Note: Excludes receptacles and communication jacks.</small>		
26 27 23 00-0020 EA Add-On 2-3/4" Width Steel Cover Plate For One Single Receptacle .....	30.40	6.71
26 27 23 00-0021 EA Add-On 2-3/4" Width Steel Cover Plate For One Duplex Receptacle .....	26.95	6.71
26 27 23 00-0022 EA Add-On 2-3/4" Width Steel Cover Plate For Data And A/V Modular Devices .....	29.42	6.71

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 23 00-0023	3" Width, Steel Communication And Power Poles (26 27 23 00-0002)	
26 27 23 00-0024	3" Width, Steel Communication And Power Poles (26 27 23 00-0023)	
26 27 23 00-0025	EA	3" x 2-3/4", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....402.46
26 27 23 00-0026	EA	3" x 2-3/4", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....458.13
26 27 23 00-0027	EA	3" x 2-3/4", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....494.82
26 27 23 00-0028	Additional Cover Plates For 3" Width, Steel Communication And Power Poles (26 27 23 00-0023)	
Note: Excludes receptacles and communication jacks.		
26 27 23 00-0029	EA	Add-On 3" Width Steel Steel Cover Plate For One Single Receptacle .....30.40
26 27 23 00-0030	EA	Add-On 3" Width Steel Cover Plate For One Duplex Receptacle .....26.95
26 27 23 00-0031	EA	Add-On 3" Width Steel Cover Plate For Data And A/V Modular Devices.....29.42
26 27 23 00-0032	Aluminum Communication And Power Poles (26 27 23 00-0001)	
26 27 23 00-0033	2-1/8" Width, Aluminum Communication And Power Poles (26 27 23 00-0032)	
26 27 23 00-0034	2-1/8" Width, Aluminum Communication And Power Poles (26 27 23 00-0033)	
26 27 23 00-0035	EA	2-1/8" x 2-3/8", 10'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....318.95
26 27 23 00-0036	EA	2-1/8" x 2-3/8", 12'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....357.87
26 27 23 00-0037	EA	2-1/8" x 2-3/8", 15'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....401.50
26 27 23 00-0038	Additional Cover Plates For 2-1/8" Width, Aluminum Communication And Power Poles (26 27 23 00-0033)	
26 27 23 00-0039	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One Single Receptacle.....48.54
26 27 23 00-0040	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Three Duplex Receptacles.....49.63
26 27 23 00-0041	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One GFCI Receptacle .....53.29
26 27 23 00-0042	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Data And A/V Modular Devices.....35.34
26 27 23 00-0043	EA	Add-On 2-1/8" Width Aluminum Radius Control Entrance End Fitting.....26.74
26 27 23 00-0044	2-1/4" Width, Aluminum Communication And Power Poles (26 27 23 00-0032)	
26 27 23 00-0045	EA	2-1/4" x 2-5/16", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....306.80
26 27 23 00-0046	EA	2-1/4" x 2-5/16", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....346.71
26 27 23 00-0047	EA	2-1/4" x 2-5/16", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....393.74
26 27 23 00-0048	5" Width, Aluminum Communication And Power Poles (26 27 23 00-0032)	
26 27 23 00-0049	EA	5" x 4-3/4", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....662.32
26 27 23 00-0050	EA	5" x 4-3/4", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....760.21
26 27 23 00-0051	EA	5" x 4-3/4", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....869.84
26 27 23 00-0052	2" Diameter, Round Aluminum Communication And Power Pole (26 27 23 00-0032)	
26 27 23 00-0053	EA	2" Diameter, 10'-4" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....351.41
26 27 23 00-0054	EA	2" Diameter, 10'-4" Height, Painted White Finish, Aluminum Communication And Power Pole.....331.69
26 27 23 00-0055	EA	2" Diameter, 10'-4" Height, Polished Anodized Finish, Aluminum Communication And Power Pole.....430.14
<b>26 27 26</b>	<b>Wiring Devices (26 27)</b>	
Note: Includes device, installation, wire connections, support clips (where necessary) and testing. Assemblies include outlet device, cover plate, mounting and appropriate box.		
26 27 26 00-0001	Receptacles (26 27 26)	
26 27 26 00-0002	General Use Receptacles (26 27 26 00-0001)	
26 27 26 00-0003	Receptacle Assemblies (26 27 26 00-0002)	
Note: Includes 4" square steel box, bracket, mud ring, receptacle and cover plate.		
26 27 26 00-0004	EA	1 Gang, 15 Amp, NEMA 5-15, Duplex Receptacle Assembly.....63.32
26 27 26 00-0005	EA	1 Gang, 20 Amp, NEMA 5-20, Duplex Receptacle Assembly.....68.17
26 27 26 00-0006	EA	2 Gang, 15 Amp, NEMA 5-15, Duplex Receptacle Assembly.....82.30
26 27 26 00-0007	EA	2 Gang, 20 Amp, NEMA 5-20, Duplex Receptacle Assembly.....92.02
26 27 26 00-0008	EA	1 Gang, 15 Amp, GFI, Duplex Receptacle Assembly .....79.38
26 27 26 00-0009	EA	1 Gang, 20 Amp, GFI, Duplex Receptacle Assembly .....85.09
26 27 26 00-0010	Receptacle Components (26 27 26 00-0002)	
26 27 26 00-0011	EA	15 Amp, NEMA 5-15, Single Receptacle, 125 Volt, 1 Phase.....19.06
26 27 26 00-0012	EA	15 Amp, NEMA 5-15, Duplex Receptacle, 125 Volt, 1 Phase.....18.12
26 27 26 00-0013	EA	15 Amp, Single Receptacle, 120/277 Volt, 3 Wire .....23.65
26 27 26 00-0014	EA	15 Amp, Duplex Receptacle, 120/277 Volt, 3 Wire .....26.85
26 27 26 00-0015	EA	15 Amp, NEMA 6-15, Single Receptacle, 250 Volt, 1 Phase .....34.59
26 27 26 00-0016	EA	15 Amp, NEMA 6-15, Duplex Receptacle, 250 Volt, 1 Phase.....45.08
26 27 26 00-0017	EA	20 Amp, NEMA 5-20, Single Receptacle, 125 Volt, 1 Phase.....20.29
26 27 26 00-0018	EA	20 Amp, NEMA 5-20, Duplex Receptacle, 125 Volt, 1 Phase.....19.31
26 27 26 00-0019	EA	20 Amp, Single Receptacle, 120/277 Volt.....33.72



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0020 EA 20 Amp, Duplex Receptacle, 120/277 Volt .....	25.84	7.34
26 27 26 00-0021 EA 20 Amp, NEMA 6-20, Single Receptacle, 250 Volt, 1 Phase .....	34.59	9.17
26 27 26 00-0022 EA 20 Amp, NEMA 6-20, Duplex Receptacle, 250 Volt, 1 Phase .....	45.08	9.17
26 27 26 00-0023 EA 20 Amp, NEMA 14-20, Single Receptacle, 125/250 Volt, 1 Phase .....	78.74	9.17
26 27 26 00-0024 EA 20 Amp, NEMA 15-20, Single Receptacle, 250 Volt, 3 Phase .....	78.74	9.17
26 27 26 00-0025 EA 25 Amp, Duplex Receptacle, 120/277 Volt .....	60.81	11.01
<b>26 27 26 00-0026 Specialty Receptacles (26 27 26 00-0001)</b>		
<b>26 27 26 00-0027 Specialty Receptacles (26 27 26 00-0026)</b>		
26 27 26 00-0028 EA 30 Amp, NEMA 5-30, Single Receptacle, 125 Volt, 1 Phase .....	49.50	12.84
26 27 26 00-0029 EA 30 Amp, NEMA 6-30, Single Receptacle, 250 Volt, 1 Phase .....	49.50	12.84
26 27 26 00-0030 EA 30 Amp, NEMA 10-30 Single Receptacles, 125/250 Volt .....	49.09	12.84
26 27 26 00-0031 EA 30 Amp, NEMA 14-30, Single Receptacle, 125/250 Volt, 1 Phase .....	86.07	12.84
26 27 26 00-0032 EA 30 Amp, NEMA 15-30, Single Receptacle, 250 Volt, 3 Phase .....	89.74	14.68
26 27 26 00-0033 EA 50 Amp, NEMA 5-50, Single Receptacle, 125 Volt, 1 Phase .....	81.02	14.68
26 27 26 00-0034 EA 50 Amp, NEMA 6-50, Single Receptacle, 250 Volt, 1 Phase .....	78.56	14.68
26 27 26 00-0035 EA 50 Amp, NEMA 7-50 Single Receptacles, 277 Volt .....	65.88	14.68
26 27 26 00-0036 EA 50 Amp, NEMA 10-50 Single Receptacles, 125/250 Volt .....	59.33	14.68
26 27 26 00-0037 EA 50 Amp, NEMA 14-50, Single Receptacle, 125/250 Volt, 1 Phase .....	103.16	14.68
26 27 26 00-0038 EA 50 Amp, NEMA 15-50, Single Receptacle, 250 Volt, 3 Phase .....	106.83	16.51
26 27 26 00-0039 EA 60 Amp, NEMA 14-60, Single Receptacle, 125/250 Volt, 1 Phase .....	117.21	18.35
26 27 26 00-0040 EA 60 Amp, NEMA 15-60, Single Receptacle, 250 Volt, 3 Phase .....	124.55	22.02
26 27 26 00-0041 EA 100 Amp, 3 Phase, 480 Volt Joy Receptacle With Box - Complete .....	1,241.00	172.44
26 27 26 00-0042 EA 400 Amp, 4 Pole Weatherproof Generator Receptacle With Box - Complete .....	3,390.43	210.96
26 27 26 00-0043 EA 30 Amp, Dryer Receptacle, 230 Volt .....	60.15	14.68
26 27 26 00-0044 EA 60 Amp, Range Receptacle, 230 Volt .....	87.18	22.02
26 27 26 00-0045 EA 15 Or 20 Amp, Clock Hanger Receptacle, 120/277 Volt .....	64.20	9.17
26 27 26 00-0046 EA Cable Reel With 20 Amp, 120 Volt Receptacle - Complete .....	1,231.46	223.59
<b>26 27 26 00-0047 Isolated Ground Receptacles (26 27 26 00-0026)</b>		
26 27 26 00-0048 EA 15 Amp, 125 Volt, NEMA 5-15R Isolated Ground Receptacle, Simplex .....	53.84	7.34
Note: 2 Pole, 3 wire.		
26 27 26 00-0049 EA 20 Amp, 120 Volt Isolated Ground Receptacles, Simplex .....	52.26	9.17
26 27 26 00-0050 EA 20 Amp, 120 Volt Isolated Ground Receptacles, Duplex .....	52.01	9.17
26 27 26 00-0051 EA 30 Amp, 120 Volt Isolated Ground Receptacles, Simplex .....	69.08	14.68
26 27 26 00-0052 EA Locking 15 Amp, 250 Volt Isolated Ground Receptacles .....	60.33	9.17
26 27 26 00-0053 EA Locking 15 Amp, 277 Volt Isolated Ground Receptacles .....	54.05	9.17
26 27 26 00-0054 EA Locking 20 Amp, 120/208 Volt Isolated Ground Receptacles .....	77.38	11.01
26 27 26 00-0055 EA Locking 20 Amp, 277/480 Volt Isolated Ground Receptacles .....	57.81	11.01
26 27 26 00-0056 EA Locking 20 Amp, 347/600 Volt Isolated Ground Receptacles .....	79.71	11.01
26 27 26 00-0057 EA Locking 30 Amp, 120/208 Volt Isolated Ground Receptacles .....	101.05	11.01
26 27 26 00-0058 EA Locking 30 Amp, 277 Volt Isolated Ground Receptacles .....	93.32	14.68
<b>26 27 26 00-0059 Explosion Proof Receptacles (26 27 26 00-0026)</b>		
26 27 26 00-0060 EA 1/2", 20 Amp, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly .....	538.74	18.35
26 27 26 00-0061 EA 3/4", 20 Amp, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly .....	496.48	20.18
26 27 26 00-0062 EA 3/4", 30 Amp, 2 Watt, 3 Pole, Type CES/CESD Explosion Proof Receptacle Assembly .....	825.53	36.69
26 27 26 00-0063 EA 3/4", 30 Amp, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly .....	1,039.60	36.69
26 27 26 00-0064 EA 1-1/4", 60 Amp, 2 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly .....	1,315.75	55.03
26 27 26 00-0065 EA 1-1/4", 60 Amp, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly .....	1,253.77	55.03
<b>26 27 26 00-0066 Ground Fault Circuit Interrupter (GFCI) (26 27 26 00-0026)</b>		
26 27 26 00-0067 EA 15 Amp Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle .....	32.35	9.17
26 27 26 00-0068 EA 20 Amp Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle .....	43.57	11.01
26 27 26 00-0069 EA 15 Amp, 120 Volt, Ground Fault Circuit Interrupter (GFCI), Weatherproof Duplex Receptacle .....	35.13	12.49
26 27 26 00-0070 EA 20 Amp, 120 Volt, Ground Fault Circuit Interrupter (GFCI), Weatherproof Duplex Receptacle .....	60.05	14.68
<b>26 27 26 00-0071 Arc Fault Circuit Interrupter (AFCI) (26 27 26 00-0026)</b>		
26 27 26 00-0072 EA 15 Amp, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle .....	67.39	9.17
26 27 26 00-0073 EA 20 Amp, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle .....	75.17	9.17
<b>26 27 26 00-0074 Locking Receptacle (26 27 26 00-0026)</b>		
26 27 26 00-0075 EA NEMA L5-15, 125 Volt, 2 Pole, 15 Amp, Locking Receptacle .....	33.07	9.17
26 27 26 00-0076 EA NEMA L6-15, 250 Volt, 2 Pole, 15 Amp, Locking Receptacle .....	40.71	9.17
26 27 26 00-0077 EA NEMA L5-20, 125 Volt, 2 Pole, 20 Amp, Locking Receptacle .....	36.65	11.01
26 27 26 00-0078 EA NEMA L6-20, 250 Volt, 2 Pole, 20 Amp, Locking Receptacle .....	36.32	11.01
26 27 26 00-0079 EA NEMA L8-20, 480 Volt, 2 Pole, 20 Amp, Locking Receptacle .....	43.04	11.01
26 27 26 00-0080 EA NEMA L9-20, 600 Volt, 2 Pole, 20 Amp, Locking Receptacle .....	51.72	11.01
26 27 26 00-0081 EA NEMA L10-20, 125/250 Volt, 3 Pole, 20 Amp, Locking Receptacle .....	50.76	11.01
26 27 26 00-0082 EA NEMA L14-20, 125/250 Volt, 3 Pole, 20 Amp, Locking Receptacle .....	44.41	11.01
26 27 26 00-0083 EA NEMA L5-30, 125 Volt, 2 Pole, 30 Amp, Locking Receptacle .....	50.60	14.68
26 27 26 00-0084 EA NEMA L6-30, 250 Volt, 2 Pole, 30 Amp, Locking Receptacle .....	51.40	14.68
26 27 26 00-0085 EA NEMA L15-30, 250 Volt, 3 Pole, 30 Amp, Locking Receptacle .....	101.97	14.68

<b>26</b>	<b>Electrical</b>
<b>26 20</b>	<b>Low-Voltage Electrical Distribution</b>
<b>26 27</b>	<b>Low-Voltage Distribution Equipment</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0086			<b>Hospital Grade Receptacle</b> (26 27 26 00-0026)		
26 27 26 00-0087	EA		15 Amp Heavy Duty Hospital Grade, NEMA 5-15, Duplex Receptacle.....	33.25	7.34
26 27 26 00-0088	EA		20 Amp Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle.....	36.15	7.34
26 27 26 00-0089	EA		20 Amp Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle, Isolated Ground .....	41.63	7.34
26 27 26 00-0090	EA		20 Amp Extra Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle .....	36.56	7.34
26 27 26 00-0091	EA		20 Amp Extra Heavy Duty Hospital Grade, NEMA 5-20, Duplex Receptacle, Isolated Ground .....	42.23	7.34
26 27 26 00-0092	EA		20 Amp Non-Magnetic MRI Hospital Grade, NEMA 5-20, Duplex Receptacle .....	46.63	7.34
26 27 26 00-0093	EA		120 Volt Transient Voltage Surge Suppressor Receptacle.....	145.15	22.02
			Note: Hospital grade receptacle.		
26 27 26 00-0094			<b>Weathertight Pin And Sleeve Receptacle</b> (26 27 26 00-0026)		
26 27 26 00-0095	EA		20 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R4W) .....	185.43	36.69
26 27 26 00-0096	EA		20 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R6W) .....	184.96	36.69
26 27 26 00-0097	EA		20 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R7W) .....	193.70	36.69
26 27 26 00-0098	EA		20 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R12W) .....	238.09	40.36
26 27 26 00-0099	EA		20 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R9W) .....	238.82	40.36
26 27 26 00-0100	EA		20 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R7W) .....	237.14	40.36
26 27 26 00-0101	EA		30 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R4W) .....	285.55	45.12
26 27 26 00-0102	EA		30 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R6W) .....	271.34	45.12
26 27 26 00-0103	EA		30 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R7W) .....	293.59	45.12
26 27 26 00-0104	EA		30 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R12W) .....	294.95	49.53
26 27 26 00-0105	EA		30 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R9W) .....	294.67	49.53
26 27 26 00-0106	EA		30 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R7W) .....	296.69	49.53
26 27 26 00-0107	EA		60 Amp, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R4W) .....	419.38	58.70
26 27 26 00-0108	EA		60 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R6W) .....	402.17	58.70
26 27 26 00-0109	EA		60 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R7W) .....	413.37	58.70
26 27 26 00-0110	EA		60 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R12W) .....	460.36	65.31
26 27 26 00-0111	EA		60 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R9W) .....	460.69	65.31
26 27 26 00-0112	EA		60 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R7W) .....	461.02	65.31
26 27 26 00-0113	EA		100 Amp, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R6W) .....	512.12	73.38
26 27 26 00-0114	EA		100 Amp, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R7W) .....	534.18	73.38
26 27 26 00-0115	EA		100 Amp, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R12W) .....	573.99	80.71
26 27 26 00-0116	EA		100 Amp, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R9W) .....	572.33	80.71
26 27 26 00-0117	EA		100 Amp, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R7W) .....	575.45	80.71
26 27 26 00-0118			<b>Corrosion Resistant Receptacle</b> (26 27 26 00-0026)		
26 27 26 00-0119	EA		15/20 Amp, 125 Volt Corrosion Resistant, Power Receptacles .....	70.69	7.34
26 27 26 00-0120	EA		15/20 Amp, 250 Volt Corrosion Resistant, Power Receptacles .....	150.70	9.17
26 27 26 00-0121			<b>Tamper Resistant Receptacle</b> (26 27 26 00-0026)		
26 27 26 00-0122	EA		15 Amp, 125 Volt Duplex Tamper Resistant Receptacle .....	17.96	7.34
			Note: Pass & Seymour 3232-TR.		
26 27 26 00-0123	EA		20 Amp, 125 Volt Duplex Tamper Resistant Receptacle .....	19.64	7.34
			Note: Pass & Seymour TR20.		
26 27 26 00-0124	EA		15 Amp, 125 Volt Single Specification Grade Tamper Resistant Receptacle .....	24.48	7.34
			Note: Pass & Seymour TR5251.		
26 27 26 00-0125	EA		20 Amp, 125 Volt Single Specification Grade Tamper Resistant Receptacle .....	26.75	7.34
			Note: Pass & Seymour TR5351.		
26 27 26 00-0126	EA		15 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Tamper Resistant Receptacle.....	40.39	7.34
			Note: Pass & Seymour S1595-TR*CC8.		
26 27 26 00-0127	EA		15 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle.....	43.64	7.34
			Note: Pass & Seymour 1595-TRS.		
26 27 26 00-0128	EA		20 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle.....	46.74	7.34
			Note: Pass & Seymour 2095-TRS.		
26 27 26 00-0129			<b>USB Charger/Duplex Tamper-Resistant Receptacles</b> (26 27 26 00-0026)		
26 27 26 00-0130	EA		15 Amp, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle.....	41.60	7.34
26 27 26 00-0131	EA		20 Amp, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle.....	44.96	7.34
26 27 26 00-0132			<b>Television Receptacle</b> (26 27 26 00-0001)		
26 27 26 00-0133	EA		TV Receptacle With Cover (Type F) - Complete.....	57.68	17.02
26 27 26 00-0134			<b>Switches</b> (26 27 26)		
26 27 26 00-0135			<b>Switches</b> (26 27 26 00-0134)		
26 27 26 00-0136			<b>Switch Assemblies</b> (26 27 26 00-0135)		
			Note: Includes 4" square steel box, bracket, mud ring, switch and cover plate.		
26 27 26 00-0137	EA		1 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly .....	67.74	25.68
26 27 26 00-0138	EA		1 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly .....	72.74	27.88
26 27 26 00-0139	EA		2 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly .....	93.00	33.57



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0140 EA 2 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly .....	101.51	37.23
26 27 26 00-0141 EA 3 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly .....	158.08	57.61
26 27 26 00-0142 EA 3 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly .....	170.84	63.11
26 27 26 00-0143 EA 4 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly .....	183.38	65.12
26 27 26 00-0144 EA 4 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly .....	200.38	72.46
<b>26 27 26 00-0145 Switch Components <small>(26 27 26 00-0135)</small></b>		
26 27 26 00-0146 EA 15 Amp, 120/277 Volt, SPST Switch .....	23.29	7.34
26 27 26 00-0147 EA 15 Amp, 120/277 Volt, 3-Way Switch .....	29.67	9.17
26 27 26 00-0148 EA 15 Amp, 120/277 Volt, 4-Way Switch .....	62.19	14.68
26 27 26 00-0149 EA 15 Amp, 120/277 Volt, DPST Switch .....	28.30	7.34
26 27 26 00-0150 EA 15 Amp, 120/277 Volt, Thermal Switch.....	61.16	9.17
26 27 26 00-0151 EA 20 Amp, 120/277 Volt, SPST Switch .....	27.54	9.17
26 27 26 00-0152 EA 20 Amp, 120/277 Volt, 3-Way Switch .....	34.59	11.01
26 27 26 00-0153 EA 20 Amp, 120/277 Volt, 4-Way Switch .....	91.98	14.68
26 27 26 00-0154 EA 20 Amp, 120/277 Volt, DPST Switch .....	35.57	9.17
26 27 26 00-0155 EA 20 Amp, 120/277 Volt, DPDT Switch.....	39.13	9.17
26 27 26 00-0156 EA 15 Amp, 120/277 Volt, Single Pole, Momentary Contact Switch, Toggle, Three Position, Center Off .....	49.41	9.19
26 27 26 00-0157 EA 15 Amp, 120/277 Volt, Momentary Contact Switch, Key Operated, Single Pole, Three Position, Center Off .....	62.25	9.19
26 27 26 00-0158 EA Momentary Contact Switch With Separate Neon Pilot.....	47.58	11.03
Note: Neon Pilot is 125 V, 1 / 125W.		
26 27 26 00-0159 EA 20 Amp, 125 Volt AC, Single Pole, Maintained Contact Switch With Center Off .....	43.52	12.84
Note: Or 250 VAC 10 Amp, double throw BAT handle.		
26 27 26 00-0160 EA 20 Amp, 125 Volt AC, Double Pole, Maintained Contact Switch.....	55.34	14.68
Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.		
26 27 26 00-0161 EA 20 Amp, 125 Volt AC, Three Pole, Maintained Contact Switch.....	92.05	14.68
Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.		
26 27 26 00-0162 EA 30 Amp, 120/277 Volt, Single Pole Local Switch .....	49.74	14.70
26 27 26 00-0163 EA 30 Amp, 120/277 Volt, Double Pole Local Switch .....	61.27	14.70
26 27 26 00-0164 EA 30 Amp, 120/277 Volt, Three-Way Local Switch.....	64.11	18.38
26 27 26 00-0165 EA 30 Amp, 120/277 Volt, Four-Way Local Switch.....	89.45	20.22
26 27 26 00-0166 EA 15 Amp, 120/277 Volt, Local Switch With Neon Pilot.....	43.01	12.02
26 27 26 00-0167 EA 15 Amp, 120/277 Volt, Local Switch With Separate Neon Pilot.....	60.59	12.02
Note: Neon pilot is 125V, 1/25W. Requires 2 gang installation.		
26 27 26 00-0168 EA 15 Amp, 120 Volt, Single Pole Lighted Toggle Switch, Clear Toggle, Lighted In On Position .....	53.01	12.02
26 27 26 00-0169 EA 15 Amp, 120 Volt, Lighted Toggle Switch, Ivory Toggle, Lighted In Off Position .....	50.40	12.02
26 27 26 00-0170 EA Automatic Door Switch, Door Open-Light On, 6 Amp, 125 Volt.....	55.60	5.96
26 27 26 00-0171 EA Automatic Door Switch, Door Closed-Light On, 6 Amp, 125 Volt.....	59.14	5.96
26 27 26 00-0172 EA 15 Amp, 120/277 Volt, Single Pole Momentary Contact Switch, Three Position, Center Off, Toggle .....	63.16	22.94
26 27 26 00-0173 EA Momentary Contact Switch, Three Position, Center Off, Key Operated .....	76.00	22.94
Note: 15A, 120/277 V, Single Pole		
26 27 26 00-0174 EA Single Pole, Slide Dimmer (Leviton IP710-LFZ) .....	90.50	7.35
26 27 26 00-0175 EA 8 Amp, 120/277 Volt, 0-10 Volt Dimmer LED Control Switch, White (Lutron DVSTV-WH).....	86.01	7.35
26 27 26 00-0176 EA 120-277 Volt, (8 Amp Lighting/3 Amp Fan), Wireless Dimming Switch (Lutron MRF2-8S-DV-WH) .....	123.91	7.34
26 27 26 00-0177 EA 120 Volt, Companion Wireless Dimmer Switch (Lutron MA-AS-WH).....	39.87	7.34
26 27 26 00-0178 EA Sunrise Electronic Wall Dimmer, 1200VA 0-10V LED and Fluorescent (Philips SR1200ZTUNV).....	92.61	7.35
26 27 26 00-0179 EA 1 Zone, 2 Button Wireless Scheduling Switch (LG 9SSA2B1T520.ALWB000) .....	108.39	7.35
26 27 26 00-0180 EA 2 Zone, 4 Button Wireless Scheduling Switch (LG 9SSA2B2T520.ALWB000) .....	142.83	7.35
26 27 26 00-0181 EA Wireless Single Rocker Remote Switch (Leviton WSS0S-S9).....	91.95	7.35
<b>26 27 26 00-0182 Specialty Switches <small>(26 27 26 00-0134)</small></b>		
<b>26 27 26 00-0183 Dimmers With SPST Switch <small>(26 27 26 00-0182)</small></b>		
26 27 26 00-0184 EA 600 Watt Dimmers With SPST Switch .....	51.63	16.51
26 27 26 00-0185 EA 1,000 Watt Dimmers With SPST Switch .....	109.72	16.51
26 27 26 00-0186 EA 1,500 Watt Dimmers With SPST Switch .....	203.14	26.57
26 27 26 00-0187 EA 2,000 Watt Dimmers With SPST Switch .....	277.27	26.57
26 27 26 00-0188 EA 600 Watt Fluorescent Dimmer Switch.....	146.02	19.59
26 27 26 00-0189 EA 1,000 Watt Fluorescent Dimmer Switch.....	209.80	19.59
26 27 26 00-0190 EA 1,500 Watt Fluorescent Dimmer Switch.....	390.06	29.57
26 27 26 00-0191 EA Remote Speed Switch For Paddle Fan.....	89.92	24.43
26 27 26 00-0192 EA 600 Watt Combination Remote Speed Switch/Incandescent Dimmer .....	155.03	36.47
<b>26 27 26 00-0193 Time Switches <small>(26 27 26 00-0182)</small></b>		
26 27 26 00-0194 EA 40 Amp, SPST, 125 Volt, Standard Time Switch.....	111.13	22.02
26 27 26 00-0195 EA 40 Amp, SPST, 277 Volt, Standard Time Switch.....	114.49	22.02
26 27 26 00-0196 EA 40 Amp, DPST, 125 Volt, Standard Time Switch.....	111.13	22.02
26 27 26 00-0197 EA 40 Amp, DPST, 277 Volt, Standard Time Switch.....	114.49	22.02
26 27 26 00-0198 EA 40 Amp, SPST, 125 Volt, 7-Day Time Switch .....	133.50	22.02
26 27 26 00-0199 EA 40 Amp, SPST, 277 Volt, 7-Day Time Switch .....	133.50	22.02
26 27 26 00-0200 EA 40 Amp, DPDT, 125 Volt, 7-Day Time Switch.....	265.47	22.02
26 27 26 00-0201 EA 40 Amp, DPDT, 277 Volt, 7-Day Time Switch.....	265.47	22.02
26 27 26 00-0202 EA 20 Amp, SPST, 125 Volt, Programmable Time Switch .....	223.13	22.02
26 27 26 00-0203 EA 20 Amp, SPST, 277 Volt, Programmable Time Switch .....	248.99	22.02
26 27 26 00-0204 EA 20 Amp, SPST, 277 Volt, Programmable Time Switch - Weatherproof .....	248.99	22.02
26 27 26 00-0205 EA 40 Amp, 4PST, 125 Volt, Astro Dial Time Switch .....	310.10	22.02
26 27 26 00-0206 EA 40 Amp, 4PST, 277 Volt, Astro Dial Time Switch .....	320.38	22.02
26 27 26 00-0207 EA 40 Amp, SPST, 125 Volt, Standard Time Switch - Weatherproof .....	111.13	22.02



<b>26</b>	<b>Electrical</b>
<b>26 20</b>	<b>Low-Voltage Electrical Distribution</b>
<b>26 27</b>	<b>Low-Voltage Distribution Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0208 EA 40 Amp, SPST, 277 Volt, Standard Time Switch - Weatherproof .....	114.49	22.02
26 27 26 00-0209 EA 40 Amp, DPST, 125 Volt, Standard Time Switch - Weatherproof .....	111.13	22.02
26 27 26 00-0210 EA 40 Amp, DPST, 277 Volt, Standard Time Switch - Weatherproof .....	114.49	22.02
26 27 26 00-0211 EA 40 Amp, SPST, 125 Volt, 7-Day Time Switch - Weatherproof .....	133.50	22.02
26 27 26 00-0212 EA 40 Amp, SPST, 277 Volt, 7-Day Time Switch - Weatherproof .....	133.50	22.02
26 27 26 00-0213 EA 40 Amp, DPDT, 125 Volt, 7-Day Time Switch - Weatherproof .....	265.47	22.02
26 27 26 00-0214 EA 40 Amp, DPDT, 277 Volt, 7-Day Time Switch - Weatherproof .....	265.47	22.02
26 27 26 00-0215 EA 40 Amp, 4PST, 125 Volt, Astro Dial Time Switch - Weatherproof .....	310.10	22.02
26 27 26 00-0216 EA 40 Amp, 4PST, 277 Volt, Astro Dial Time Switch - Weatherproof .....	320.38	22.02
<b>26 27 26 00-0217 Low Voltage Switching (26 27 26 00-0182)</b>		
26 27 26 00-0218 EA 36 Pin Male Or Female Connector.....	231.62	7.34
<b>26 27 26 00-0219 Other Switches (26 27 26 00-0182)</b>		
26 27 26 00-0220 EA Pull Chain Switch 120/277 Volt AC Installed In Light Fixture .....	26.17	11.01
26 27 26 00-0221 EA Locking Switch, SPST Concealed Devices.....	87.57	29.35
26 27 26 00-0222 EA Locking Switch, 3-Way Concealed Devices.....	89.34	29.35
26 27 26 00-0223 EA Emergency Off Switch, With 1 Non-Closing Contact, Circular, Red, With Guard.....	105.97	27.44
26 27 26 00-0224 EA 15 Amp Momentary Contact Switch.....	98.65	27.44
26 27 26 00-0225 EA 20 Amp Momentary Contact Switch.....	106.36	27.44
26 27 26 00-0226 EA 2-1/4" Handy Box Cover Units Fuseholder Switch.....	87.69	33.09
26 27 26 00-0227 EA 2-3/4" Handy Box Cover Units Fuseholder Switch.....	89.84	33.09
26 27 26 00-0228 EA 4" Square Box Cover Units With 2 Fuseholders And 2 Switches.....	111.01	40.44
26 27 26 00-0229 EA 4" Square Box Cover Units With 1 Fuseholder And 1 Switch .....	100.96	36.76
26 27 26 00-0230 EA 4" Octagon Box Cover Units With 1 Fuseholder And 1 Switch .....	101.50	36.76
<b>26 27 26 00-0231 Plates And Covers (26 27 26)</b>		
<b>26 27 26 00-0232 Wall Plates (26 27 26 00-0231)</b>		
<b>26 27 26 00-0233 Nylon Wall Plates (26 27 26 00-0232)</b>		
26 27 26 00-0234 EA 1 Gang Nylon Switch Plate .....	1.15	0.37
26 27 26 00-0235 EA 2 Gang Nylon Switch Plate .....	1.94	0.55
26 27 26 00-0236 EA 3 Gang Nylon Switch Plate .....	2.76	0.73
26 27 26 00-0237 EA 4 Gang Nylon Switch Plate .....	3.98	0.91
26 27 26 00-0238 EA 1 Gang Duplex Nylon Wall Plate .....	1.16	0.37
26 27 26 00-0239 EA 2 Gang Duplex Nylon Wall Plate.....	1.99	0.55
<b>26 27 26 00-0240 Plastic Wall Plates (26 27 26 00-0232)</b>		
26 27 26 00-0241 EA 1 Gang Plastic Switch Plate.....	1.07	0.37
26 27 26 00-0242 EA 2 Gang Plastic Switch Plate .....	1.77	0.55
26 27 26 00-0243 EA 3 Gang Plastic Switch Plate .....	2.49	0.73
26 27 26 00-0244 EA 4 Gang Plastic Switch Plate.....	3.98	0.91
26 27 26 00-0245 EA 1 Gang Duplex Plastic Wall Plate .....	1.07	0.37
26 27 26 00-0246 EA 2 Gang Duplex Plastic Wall Plate .....	1.78	0.55
<b>26 27 26 00-0247 Brass Wall Plates (26 27 26 00-0232)</b>		
26 27 26 00-0248 EA 1 Gang 0.04" Brass Switch Plate .....	11.22	1.66
26 27 26 00-0249 EA 2 Gang 0.04" Brass Switch Plate .....	21.01	1.91
26 27 26 00-0250 EA 3 Gang 0.04" Brass Switch Plate .....	30.72	2.13
26 27 26 00-0251 EA 4 Gang 0.04" Brass Switch Plate .....	47.75	2.32
26 27 26 00-0252 EA 5 Gang 0.04" Brass Switch Plate .....	58.15	2.46
26 27 26 00-0253 EA 6 Gang 0.04" Brass Switch Plate .....	67.29	2.57
26 27 26 00-0254 EA 1 Gang 0.04" Brass Duplex Receptacle Wall Plate.....	11.22	1.66
26 27 26 00-0255 EA 2 Gang 0.04" Brass Duplex Receptacle Wall Plate.....	24.62	1.91
26 27 26 00-0256 EA 3 Gang 0.04" Brass Duplex Receptacle Wall Plate.....	35.47	2.13
<b>26 27 26 00-0257 Stainless Steel Wall Plates (26 27 26 00-0232)</b>		
26 27 26 00-0258 EA 1 Gang, 302 Stainless Steel Switch Plate With Satin Finish .....	6.01	1.66
26 27 26 00-0259 EA 2 Gang, 302 Stainless Steel Switch Plate With Satin Finish .....	9.64	1.91
26 27 26 00-0260 EA 3 Gang, 302 Stainless Steel Switch Plate With Satin Finish .....	13.45	2.13
26 27 26 00-0261 EA 4 Gang, 302 Stainless Steel Switch Plate With Satin Finish .....	19.71	2.32
26 27 26 00-0262 EA 5 Gang, 302 Stainless Steel Switch Plate With Satin Finish .....	23.20	2.46
26 27 26 00-0263 EA 6 Gang, 302 Stainless Steel Switch Plate With Satin Finish .....	28.05	2.57
26 27 26 00-0264 EA 1 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish.....	6.58	1.66
26 27 26 00-0265 EA 2 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish.....	10.99	1.91
26 27 26 00-0266 EA 3 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish.....	17.91	2.13
26 27 26 00-0267 EA 4 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish.....	21.64	2.32
<b>26 27 26 00-0268 Chrome Wall Plates (26 27 26 00-0232)</b>		
26 27 26 00-0269 EA 1 Gang 0.040" Chrome Switch Plate With Chromium Finish .....	22.42	1.66
26 27 26 00-0270 EA 2 Gang 0.040" Chrome Switch Plate With Chromium Finish .....	42.00	1.91
26 27 26 00-0271 EA 3 Gang 0.040" Chrome Switch Plate With Chromium Finish .....	61.54	2.13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0272 EA 1 Gang 0.040" Chrome Duplex Receptacle Wall Plate With Chromium Finish.....	22.40	1.66
<b>26 27 26 00-0273 Ceramic Wall Plates</b> (26 27 26 00-0232)		
26 27 26 00-0274 EA Ceramic Single Switch Plate.....	11.82	2.02
26 27 26 00-0275 EA Ceramic Duplex Receptacle Plate.....	11.82	2.02
26 27 26 00-0276 EA Ceramic Double Switch Plate.....	13.78	1.91
26 27 26 00-0277 EA Ceramic Combo Switch/Receptacle Plate.....	13.78	1.91
26 27 26 00-0278 EA Ceramic Triple Switch Plate.....	17.84	2.13
<b>26 27 26 00-0279 Weatherproof Covers</b> (26 27 26 00-0231)		
<b>26 27 26 00-0280 Stamped Metallic Weatherproof Covers</b> (26 27 26 00-0279)		
Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0281 EA Blank Cover, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FBC).....	8.92	0.37
26 27 26 00-0282 EA Duplex Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FAC).....	9.68	0.37
26 27 26 00-0283 EA Single Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FRC).....	9.68	0.37
26 27 26 00-0284 EA Toggle Switch, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FTC).....	9.68	0.37
26 27 26 00-0285 EA Blank Cover, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FBC).....	11.83	0.55
26 27 26 00-0286 EA Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FAC).....	13.47	0.55
26 27 26 00-0287 EA Single Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FRC).....	13.63	0.55
26 27 26 00-0288 EA Toggle Switch, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTC).....	13.63	0.55
26 27 26 00-0289 EA Toggle Switch And Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTAC).....	18.62	0.55
26 27 26 00-0290 EA Blank Cover, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FB).....	17.55	0.73
26 27 26 00-0291 EA Toggle Switch, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FT).....	19.22	0.73
<b>26 27 26 00-0292 Cast Metallic Weatherproof Covers</b> (26 27 26 00-0279)		
Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0293 EA Blank Cover, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSBC).....	10.96	0.37
26 27 26 00-0294 EA Duplex Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLA).....	35.39	0.37
26 27 26 00-0295 EA Single Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLR).....	39.70	0.37
26 27 26 00-0296 EA Guarded Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSTG).....	10.88	0.37
26 27 26 00-0297 EA Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLT).....	29.97	0.37
26 27 26 00-0298 EA Lever Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSPT).....	49.97	0.37
26 27 26 00-0299 EA Plunger Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FST).....	13.66	0.37
26 27 26 00-0300 EA Blank Cover, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FSBC).....	63.63	0.55
26 27 26 00-0301 EA Plunger Operated Toggle Switch, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FST).....	100.58	0.55
26 27 26 00-0302 EA Blank Cover, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FSBC).....	22.91	0.73
26 27 26 00-0303 EA Plunger Operated Toggle Switch, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FST).....	96.00	0.73
<b>26 27 26 00-0304 Die Cast Aluminum Weatherproof Covers</b> (26 27 26 00-0279)		
Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0305 EA Duplex Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5027).....	3.59	0.37
26 27 26 00-0306 EA Single Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5026).....	4.63	0.37
26 27 26 00-0307 EA Duplex Receptacles, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5032).....	6.20	0.55
26 27 26 00-0308 EA Toggle Switch, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5041).....	6.75	0.55
26 27 26 00-0309 EA Toggle Switch And Duplex Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5042).....	6.75	0.55
26 27 26 00-0310 EA Toggle Switch And Single Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5043).....	7.53	0.55
<b>26 27 26 00-0311 Heavy Duty Die Cast Aluminum Weatherproof Covers</b> (26 27 26 00-0279)		
Note: Includes baked on lacquer finish and neoprene gasket.		
26 27 26 00-0312 EA Duplex Receptacle, Single Gang, Heavy Duty Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Pass & Seymour Legrand® 4510).....	37.61	0.37
<b>26 27 26 00-0313 Polycarbonate Weatherproof Covers</b> (26 27 26 00-0279)		
Note: Includes neoprene gasket.		
26 27 26 00-0314 EA Toggle Switch, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730).....	7.49	0.37
26 27 26 00-0315 EA Duplex Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730).....	7.49	0.37
26 27 26 00-0316 EA Single Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730).....	7.49	0.37
26 27 26 00-0317 EA Duplex Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775).....	9.24	0.55
26 27 26 00-0318 EA Toggle Switch And Single Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775).....	9.24	0.55
<b>26 27 26 00-0319 High Impact Thermoplastic Weatherproof Covers</b> (26 27 26 00-0279)		
Note: Includes neoprene gasket.		
26 27 26 00-0320 EA Duplex Receptacle, Single Gang, High Impact Thermoplastic Weatherproof Cover With Self Closing Lid (Hubbell® HBL522).....	51.60	0.37
<b>26 27 26 00-0321 Non Metallic (PVC) Weatherproof Covers</b> (26 27 26 00-0279)		
Note: Includes neoprene gasket.		
26 27 26 00-0322 EA Blank Cover, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	7.48	0.37
26 27 26 00-0323 EA Blank Cover, Two Gang, Non Metallic (PVC) Weatherproof Cover.....	8.05	0.55
26 27 26 00-0324 EA Toggle Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	7.51	0.37

<b>26</b>	<b>Electrical</b>
<b>26 20</b>	<b>Low-Voltage Electrical Distribution</b>
<b>26 27</b>	<b>Low-Voltage Distribution Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0325 EA Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover .....	16.51	0.37
26 27 26 00-0326 EA Duplex Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover .....	19.13	0.37
26 27 26 00-0327 EA 20 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover .....	15.51	0.37
26 27 26 00-0328 EA 30 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover .....	11.57	0.37
26 27 26 00-0329 EA 50 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover .....	13.53	0.37
26 27 26 00-0330 EA Plunger Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover .....	12.10	0.37
26 27 26 00-0331 EA Double Duplex Receptacle, Two Gang, Non Metallic (PVC) Weatherproof Cover .....	17.44	0.55
<b>26 27 26 00-0332 Removal And Reinstallation Of Wiring Devices (26 27 26)</b>		
Note: Includes storage and cleaning.		
26 27 26 00-0333 EA Removal And Reinstallation Of Receptacle, Switch, Outlet Or Special System Device .....	48.27	
26 27 26 00-0334 EA Removal And Reinstallation Of Receptacle Or Switch Outlet Cover Plate .....	6.12	
<b>26 27 26 00-0335 In Line Midget Fuseholders (26 27 26)</b>		
See CSI section 26 28 13 00-0078 for fuses.		
26 27 26 00-0336 EA Single Pole Water Resistant In Line Midget Fuseholder .....	52.51	
26 27 26 00-0337 EA Double Pole Water Resistant In Line Midget Fuseholder .....	120.27	
<b>26 27 26 00-0338 Relay Systems (26 27 26)</b>		
26 27 26 00-0339 EA Relay 2 Position, 10 Amp, 24 Volt Coil .....	54.99	16.51
26 27 26 00-0340 EA Industrial Control Relay 20 Amp, 120 Volt Coil Up To 4 Contacts .....	233.73	55.03
26 27 26 00-0341 EA Industrial Control Relay 20 Amp, 120 Volt Coil 12 Contacts .....	394.26	73.38
<b>26 27 26 00-0342 Limit Switches (26 27 26)</b>		
<b>26 27 26 00-0343 Heavy Duty Precision Oiltight (26 27 26 00-0342)</b>		
<b>26 27 26 00-0344 Lever Arm, Plunger, Wobble Stick Type (26 27 26 00-0343)</b>		
26 27 26 00-0345 EA Limit Switch, Heavy Duty, Lever Arm Weatherproof, 10 Amp Rated .....	348.27	46.23
<b>26 27 33 Power Distribution Units (26 27)</b>		
Note: Includes wiring connections and testing.		
<b>26 27 33 00-0001 Liebert Precision Power Center (26 27 33)</b>		
Note: With K20 Trans Spike Suppression Modules Lighting/ Surge Arrestors. Includes start-up.		
26 27 33 00-0002 EA PDU 15 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC015C) .....	11,956.73	225.64
26 27 33 00-0003 EA PDU 30 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC030C) .....	14,436.21	244.57
26 27 33 00-0004 EA PDU 50 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC050C) .....	16,452.06	271.50
26 27 33 00-0005 EA PDU 75 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC075C) .....	18,928.79	293.51
26 27 33 00-0006 EA PDU 100 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC100C) .....	20,656.73	366.89
26 27 33 00-0007 EA PDU 125 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC125C) .....	23,175.28	440.26
26 27 33 00-0008 EA PDU 150 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC150C) .....	26,740.19	513.65
26 27 33 00-0009 EA PDU 200 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC200C) .....	28,266.09	587.02
26 27 33 00-0010 EA PDU 225 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC225C) .....	29,707.77	660.40
26 27 33 00-0011 EA Ex Panelboard 10-30 KVA .....	1,062.91	73.38
26 27 33 00-0012 EA Ex Panelboard 50-125 KVA .....	1,587.91	91.72
26 27 33 00-0013 EA Ex Panelboard 150-220 KVA .....	3,577.84	110.07
26 27 33 00-0014 EA Removal And Reinstallation Of Power Distribution Unit .....	1,174.05	
Note: Includes disconnection / reconnection of branch circuits, storage and cleaning.		
26 27 33 00-0015 EA Start-Up Liebert Power Distribution Unit Line Item Applies To A Relocation Only .....	880.54	
<b>26 27 73 Door Chimes (26 27)</b>		
<b>26 27 73 00-0001 Door Bell System (26 27 73)</b>		
26 27 73 00-0002 EA Door Bell, Push-button And Transformer - Complete .....	487.02	152.85
26 27 73 00-0003 EA Visual Flashing Doorbell Indicator, Wire To Existing System - Complete .....	243.59	36.69
26 27 73 00-0004 EA Replacement Bell/Buzzer - Complete .....	92.61	18.35
Note: Includes removal of existing.		
<b>26 28 Low-Voltage Circuit Protective Devices (26 20)</b>		
<b>26 28 13 Fuses (26 28)</b>		
<b>26 28 13 00-0001 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuses (26 28 13)</b>		
26 28 13 00-0002 EA 1 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse .....	16.99	5.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.52	
26 28 13 00-0003 EA 2 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse .....	16.57	5.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.52	
26 28 13 00-0004 EA 3 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse .....	16.00	5.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.52	
26 28 13 00-0005 EA 5 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse .....	15.92	5.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.52	
26 28 13 00-0006 EA 6 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse .....	16.45	5.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0007 EA 8 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	15.42	5.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 28 13 00-0008 EA 10 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	15.17	5.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 28 13 00-0009 EA 15 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	13.15	5.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 28 13 00-0010 EA 20 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	12.84	5.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 28 13 00-0011 EA 25 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	13.42	5.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 28 13 00-0012 EA 30 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	13.02	5.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
<b>26 28 13 00-0013 Class RK1, Time Delay Fuses <small>(26 28 13)</small></b>		
<b>26 28 13 00-0014 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses <small>(26 28 13 00-0013)</small></b>		
26 28 13 00-0015 EA 1 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	26.94	5.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 28 13 00-0016 EA 2 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	25.11	5.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 28 13 00-0017 EA 3 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	26.39	5.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 28 13 00-0018 EA 4 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	26.22	5.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 28 13 00-0019 EA 5 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	24.94	5.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 28 13 00-0020 EA 10 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	24.18	5.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 28 13 00-0021 EA 15 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	22.15	5.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 28 13 00-0022 EA 20 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	22.00	5.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 28 13 00-0023 EA 25 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	22.17	5.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 28 13 00-0024 EA 30 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	21.96	5.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 28 13 00-0025 EA 35 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	30.58	5.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 28 13 00-0026 EA 40 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	29.97	5.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 28 13 00-0027 EA 45 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	30.43	5.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 28 13 00-0028 EA 50 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	30.05	5.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 28 13 00-0029 EA 60 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	29.50	5.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
<b>26 28 13 00-0030 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuses <small>(26 28 13 00-0013)</small></b>		
26 28 13 00-0031 EA 70 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	55.34	6.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.40	
26 28 13 00-0032 EA 80 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	55.03	6.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.40	
26 28 13 00-0033 EA 90 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	61.22	6.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.40	
26 28 13 00-0034 EA 100 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	54.54	6.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.40	
26 28 13 00-0035 EA 110 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	156.46	6.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.40	
26 28 13 00-0036 EA 125 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	114.26	6.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.40	
26 28 13 00-0037 EA 150 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	104.84	7.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.84	
26 28 13 00-0038 EA 200 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	110.46	7.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.84	
26 28 13 00-0039 EA 250 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	207.56	7.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.84	
26 28 13 00-0040 EA 300 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	223.21	8.95
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.94	
26 28 13 00-0041 EA 350 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	240.03	8.95
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.94	
26 28 13 00-0042 EA 400 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	184.86	8.95
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.94	
26 28 13 00-0043 EA 450 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	412.44	8.95
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.94	
26 28 13 00-0044 EA 500 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	390.14	10.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26	
26 28 13 00-0045 EA 600 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	304.13	10.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26	

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 28 Low-Voltage Circuit Protective Devices**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0046			<b>600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses</b> <sup>(26</sup>		
			<sup>28 13 00-0013)</sup>		
26 28 13 00-0047	EA		1 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	42.02	5.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 28 13 00-0048	EA		2 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	39.11	5.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 28 13 00-0049	EA		3 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	36.66	5.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 28 13 00-0050	EA		4 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	37.47	5.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 28 13 00-0051	EA		5 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	36.77	5.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 28 13 00-0052	EA		10 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	37.02	5.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 28 13 00-0053	EA		15 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	34.36	5.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 28 13 00-0054	EA		20 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	34.09	5.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 28 13 00-0055	EA		25 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	33.73	5.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 28 13 00-0056	EA		30 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	34.26	5.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 28 13 00-0057	EA		35 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	50.08	5.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 28 13 00-0058	EA		40 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	50.20	5.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 28 13 00-0059	EA		45 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	49.20	5.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 28 13 00-0060	EA		50 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	49.67	5.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 28 13 00-0061	EA		60 Amp, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	50.09	5.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 28 13 00-0062			<b>600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuses</b> <sup>(26 28</sup>		
			<sup>13 00-0013)</sup>		
26 28 13 00-0063	EA		70 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	94.37	6.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.40	
26 28 13 00-0064	EA		80 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	96.62	7.27
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.84	
26 28 13 00-0065	EA		90 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	96.09	7.27
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.84	
26 28 13 00-0066	EA		100 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	96.51	7.27
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.84	
26 28 13 00-0067	EA		110 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	177.53	7.27
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.84	
26 28 13 00-0068	EA		125 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	180.22	7.27
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.84	
26 28 13 00-0069	EA		150 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	177.74	8.95
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.94	
26 28 13 00-0070	EA		200 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	177.29	8.95
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.94	
26 28 13 00-0071	EA		250 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	338.76	8.95
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.94	
26 28 13 00-0072	EA		300 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	340.66	10.94
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26	
26 28 13 00-0073	EA		350 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	384.28	10.94
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26	
26 28 13 00-0074	EA		400 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	348.08	10.94
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26	
26 28 13 00-0075	EA		450 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	625.97	10.94
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.26	
26 28 13 00-0076	EA		500 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	557.34	13.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.81	
26 28 13 00-0077	EA		600 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse.....	485.96	13.20
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.81	
26 28 13 00-0078			<b>600 Volt AC, Class CC Midget Fuses</b> <sup>(26 28 13)</sup>		
			Note: 250/300 Volt DC.		
26 28 13 00-0079	EA		1 Amp, 600 Volt AC, Class CC Midget Fuse.....	31.11	5.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 28 13 00-0080	EA		2 Amp, 600 Volt AC, Class CC Midget Fuse.....	31.60	5.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 28 13 00-0081	EA		3 Amp, 600 Volt AC, Class CC Midget Fuse.....	31.46	5.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 28 13 00-0082	EA		5 Amp, 600 Volt AC, Class CC Midget Fuse.....	31.30	5.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 28 13 00-0083	EA		6 Amp, 600 Volt AC, Class CC Midget Fuse.....	33.60	5.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 28 13 00-0084	EA		8 Amp, 600 Volt AC, Class CC Midget Fuse.....	29.93	5.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 28 13 00-0085	EA		10 Amp, 600 Volt AC, Class CC Midget Fuse.....	34.23	5.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0086 EA 15 Amp, 600 Volt AC, Class CC Midget Fuse.....	31.32	5.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.52	
26 28 13 00-0087 EA 20 Amp, 600 Volt AC, Class CC Midget Fuse.....	30.72	5.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.52	
26 28 13 00-0088 EA 25 Amp, 600 Volt AC, Class CC Midget Fuse.....	29.35	5.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.52	
26 28 13 00-0089 EA 30 Amp, 600 Volt AC, Class CC Midget Fuse.....	30.51	5.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.52	
<b>26 28 13 00-0090 200,000 Ampere Interrupting Capacity, 600 Volt AC, Class J Bolted Fuse <sup>(26</sup></b>		
<sup>28 13)</sup>		
26 28 13 00-0091 EA 1 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	40.57	3.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.20	
26 28 13 00-0092 EA 3 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	40.89	3.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.20	
26 28 13 00-0093 EA 6 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	35.11	4.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.64	
26 28 13 00-0094 EA 10 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	34.77	5.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.30	
26 28 13 00-0095 EA 15 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	35.53	5.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.30	
26 28 13 00-0096 EA 20 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	34.85	5.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.30	
26 28 13 00-0097 EA 25 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	44.35	7.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.40	
26 28 13 00-0098 EA 30 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	36.73	7.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.40	
26 28 13 00-0099 EA 35 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	65.18	7.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.40	
26 28 13 00-0100 EA 40 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	55.38	7.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.40	
26 28 13 00-0101 EA 45 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	63.68	7.34
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.40	
26 28 13 00-0102 EA 50 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	56.08	9.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.51	
26 28 13 00-0103 EA 60 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	55.02	9.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.51	
26 28 13 00-0104 EA 70 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	85.99	11.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.61	
26 28 13 00-0105 EA 80 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	91.81	11.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.61	
26 28 13 00-0106 EA 90 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	90.32	11.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.61	
26 28 13 00-0107 EA 100 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	78.55	12.84
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.70	
26 28 13 00-0108 EA 110 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	187.07	12.84
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.70	
26 28 13 00-0109 EA 125 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	158.63	12.84
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.70	
26 28 13 00-0110 EA 150 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	150.82	14.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.81	
26 28 13 00-0111 EA 175 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	153.08	14.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.81	
26 28 13 00-0112 EA 200 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	126.63	14.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.81	
26 28 13 00-0113 EA 225 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	324.45	14.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.81	
26 28 13 00-0114 EA 250 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	299.76	14.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.81	
26 28 13 00-0115 EA 300 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	276.00	14.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.81	
26 28 13 00-0116 EA 350 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	301.29	14.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.81	
26 28 13 00-0117 EA 400 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	247.93	16.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.91	
26 28 13 00-0118 EA 450 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	530.03	16.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.91	
26 28 13 00-0119 EA 500 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	449.09	18.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.01	
26 28 13 00-0120 EA 600 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse.....	333.19	18.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.01	
<b>26 28 13 00-0121 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuses <sup>(26 28 13)</sup></b>		
26 28 13 00-0122 EA 100 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,018.21	9.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.51	
26 28 13 00-0123 EA 150 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,020.22	9.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.51	
26 28 13 00-0124 EA 200 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,022.10	9.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.51	
26 28 13 00-0125 EA 250 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,018.56	11.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.61	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28	13 00-0126	EA	300 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	937.96	11.01
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.61	
26 28	13 00-0127	EA	350 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,003.48	12.84
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 28	13 00-0128	EA	400 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	923.46	12.84
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 28	13 00-0129	EA	450 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,033.04	12.84
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 28	13 00-0130	EA	500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,012.85	12.84
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.70	
26 28	13 00-0131	EA	600 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	900.45	14.68
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.81	
26 28	13 00-0132	EA	601 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	924.74	14.68
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.81	
26 28	13 00-0133	EA	650 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,229.99	14.68
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.81	
26 28	13 00-0134	EA	700 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	896.05	14.68
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.81	
26 28	13 00-0135	EA	750 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,376.62	16.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.91	
26 28	13 00-0136	EA	800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	792.15	16.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.91	
26 28	13 00-0137	EA	900 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,157.59	16.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.91	
26 28	13 00-0138	EA	1,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	778.80	16.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.91	
26 28	13 00-0139	EA	1,200 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	802.03	16.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.91	
26 28	13 00-0140	EA	1,350 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,785.08	16.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.91	
26 28	13 00-0141	EA	1,400 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,759.98	16.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.91	
26 28	13 00-0142	EA	1,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,587.74	16.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.91	
26 28	13 00-0143	EA	1,600 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	991.14	18.35
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 28	13 00-0144	EA	1,800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,102.65	18.35
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 28	13 00-0145	EA	2,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,345.43	18.35
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 28	13 00-0146	EA	2,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,819.47	18.35
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 28	13 00-0147	EA	2,501 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	3,100.82	18.35
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	
26 28	13 00-0148	EA	3,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,028.34	20.18
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.11	
26 28	13 00-0149	EA	3,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	4,196.67	20.18
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.11	
26 28	13 00-0150	EA	3,800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	4,869.90	20.18
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.11	
26 28	13 00-0151	EA	4,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,815.15	20.18
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.11	
26 28	13 00-0152	EA	5,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	4,443.86	20.18
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.11	
26 28	13 00-0153	EA	6,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	7,357.62	20.18
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.11	

**26 28 16 Enclosed Switches And Circuit Breakers (26 28)****26 28 16 13 Enclosed Circuit Breakers (26 28 16)****26 28 16 13-0001 Branch Circuit Breakers (26 28 16 13)**

Note: For installation in existing and new panelboards. Use task modifier for installation in new panelboards.

**26 28 16 13-0002 Branch Circuit Breakers 10,000 Amp Interrupting Capacity, Plug-On (26 28 16 13-0001)**

Note: Includes connection of electrical wire.

26 28	16 13-0003	EA	1 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	36.21	13.20
			<i>For Bolt-On, Add</i>	9.66	
			<i>For Installation In New Panelboard, Deduct</i>	-7.34	
			Note: Also for use with new interiors in panelboards.		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.81	
26 28	16 13-0004	EA	1 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	36.21	13.20
			<i>For Bolt-On, Add</i>	9.66	
			<i>For Installation In New Panelboard, Deduct</i>	-7.34	
			Note: Also for use with new interiors in panelboards.		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.81	
26 28	16 13-0005	EA	1 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	52.52	16.51
			<i>For Bolt-On, Add</i>	12.99	
			<i>For Installation In New Panelboard, Deduct</i>	-9.17	
			Note: Also for use with new interiors in panelboards.		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0006 EA 1 Pole GFI, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	78.26	16.14
For Bolt-On, Add	15.95	
For Installation In New Panelboard, Deduct	-8.81	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.57	
26 28 16 13-0007 EA 1 Pole GFI, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Protection Circuit Breaker, 10,000 Amp Interrupting Capacity .....	109.37	16.14
For Bolt-On, Add	19.83	
For Installation In New Panelboard, Deduct	-8.81	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.57	
26 28 16 13-0008 EA 1 Pole GFI, 120/240 Volt, 15-30 Amp, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amp Interrupting Capacity .....	127.11	16.14
For Bolt-On, Add	22.05	
For Installation In New Panelboard, Deduct	-8.81	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.57	
26 28 16 13-0009 EA 1 Pole GFI, 120/240 Volt, 15-20 Amp, "Arc Fault" Circuit Breaker, 10,000 Amp Interrupting Capacity .....	61.11	16.14
For Bolt-On, Add	13.80	
For Installation In New Panelboard, Deduct	-8.81	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.57	
26 28 16 13-0010 EA 2 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	59.86	19.81
For Bolt-On, Add	15.19	
For Installation In New Panelboard, Deduct	-11.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.21	
26 28 16 13-0011 EA 2 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	59.86	19.81
For Bolt-On, Add	15.19	
For Installation In New Panelboard, Deduct	-11.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.21	
26 28 16 13-0012 EA 2 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	90.35	26.42
For Bolt-On, Add	21.57	
For Installation In New Panelboard, Deduct	-14.68	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.61	
26 28 16 13-0013 EA 2 Pole, 120/240 Volt, 110-125 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	149.89	33.02
For Bolt-On, Add	31.58	
For Installation In New Panelboard, Deduct	-18.35	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.01	
26 28 16 13-0014 EA 2 Pole, 120/240 Volt, 150 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity .....	176.73	36.69
For Bolt-On, Add	36.22	
For Installation In New Panelboard, Deduct	-20.18	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.21	
26 28 16 13-0015 EA 2 Pole GFI, 120/240 Volt, 15-50 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity .....	150.02	23.48
For Bolt-On, Add	28.00	
For Installation In New Panelboard, Deduct	-13.21	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.85	
26 28 16 13-0016 EA 2 Pole, GFI, 120/240 Volt, 15-50 Amp, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amp Interrupting Capacity .....	200.91	23.48
For Bolt-On, Add	34.36	
For Installation In New Panelboard, Deduct	-13.21	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.85	
26 28 16 13-0017 EA 3 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	114.10	26.42
For Bolt-On, Add	24.54	
For Installation In New Panelboard, Deduct	-14.68	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.61	
26 28 16 13-0018 EA 3 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	114.10	26.42
For Bolt-On, Add	24.54	
For Installation In New Panelboard, Deduct	-14.68	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.61	
26 28 16 13-0019 EA 3 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	149.59	33.02
For Bolt-On, Add	31.54	
For Installation In New Panelboard, Deduct	-18.35	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.01	
26 28 16 13-0020 EA 3 Pole, 120/240 Volt, 110-125 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	226.49	39.62
For Bolt-On, Add	43.72	
For Installation In New Panelboard, Deduct	-22.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.42	
26 28 16 13-0021 EA 3 Pole, 120/240 Volt, 150 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity .....	289.06	46.23
For Bolt-On, Add	54.11	
For Installation In New Panelboard, Deduct	-25.68	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.82	



**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 28 Low-Voltage Circuit Protective Devices**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0022			<b>Branch Circuit Breakers 14,000 Amp Interrupting Capacity, Plug-On</b> <small>(26 28 16 13-0001)</small>		
			Note: Includes connection of electrical wire.		
26 28 16 13-0023	EA		1 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity .....	52.33	13.20
			For Bolt-On, Add	11.68	
			For Installation In New Panelboard, Deduct	-7.34	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.81	
26 28 16 13-0024	EA		1 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity .....	52.33	13.20
			For Bolt-On, Add	11.68	
			For Installation In New Panelboard, Deduct	-7.34	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.81	
26 28 16 13-0025	EA		1 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity .....	93.73	16.51
			For Bolt-On, Add	18.14	
			For Installation In New Panelboard, Deduct	-9.17	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.01	
26 28 16 13-0026	EA		1 Pole GFI, 277/480 Volt, 15-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity .....	144.57	16.14
			For Bolt-On, Add	24.23	
			For Installation In New Panelboard, Deduct	-8.81	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.57	
26 28 16 13-0027	EA		2 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity .....	102.30	19.81
			For Bolt-On, Add	20.49	
			For Installation In New Panelboard, Deduct	-11.01	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.21	
26 28 16 13-0028	EA		2 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity .....	102.30	19.81
			For Bolt-On, Add	20.49	
			For Installation In New Panelboard, Deduct	-11.01	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.21	
26 28 16 13-0029	EA		2 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity .....	201.86	26.42
			For Bolt-On, Add	35.51	
			For Installation In New Panelboard, Deduct	-14.68	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.61	
26 28 16 13-0030	EA		2 Pole, 277/480 Volt, 110-125 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity .....	275.12	33.02
			For Bolt-On, Add	47.23	
			For Installation In New Panelboard, Deduct	-18.35	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.01	
26 28 16 13-0031	EA		2 Pole, 277/480 Volt, 150 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity .....	404.66	36.69
			For Bolt-On, Add	64.71	
			For Installation In New Panelboard, Deduct	-20.18	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.21	
26 28 16 13-0032	EA		3 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity .....	163.34	26.42
			For Bolt-On, Add	30.69	
			For Installation In New Panelboard, Deduct	-14.68	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.61	
26 28 16 13-0033	EA		3 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity .....	163.34	26.42
			For Bolt-On, Add	30.69	
			For Installation In New Panelboard, Deduct	-14.68	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.61	
26 28 16 13-0034	EA		3 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity .....	244.49	33.02
			For Bolt-On, Add	43.40	
			For Installation In New Panelboard, Deduct	-18.35	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.01	
26 28 16 13-0035	EA		3 Pole, 277/480 Volt, 110-125 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity .....	348.06	39.62
			For Bolt-On, Add	58.92	
			For Installation In New Panelboard, Deduct	-22.01	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.42	
26 28 16 13-0036	EA		3 Pole, 277/480 Volt, 150 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity .....	539.45	46.23
			For Bolt-On, Add	85.41	
			For Installation In New Panelboard, Deduct	-25.68	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.82	
26 28 16 13-0037	EA		3 Pole, 277/480 Volt, 175 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity .....	622.66	49.53
			For Bolt-On, Add	97.09	
			For Installation In New Panelboard, Deduct	-27.52	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.02	
26 28 16 13-0038	EA		3 Pole, 277/480 Volt, 200 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity .....	668.95	52.83
			For Bolt-On, Add	104.17	
			For Installation In New Panelboard, Deduct	-29.35	
			Note: Also for use with new interiors in panelboards.		
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0039 EA 3 Pole, 277/480 Volt, 225 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity .....	791.79	56.13
For Bolt-On, Add	120.81	
For Installation In New Panelboard, Deduct	-31.19	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.43	
<b>26 28 16 13-0040 Branch Circuit Breakers 18,000 Amp Interrupting Capacity, Plug-On</b> <small>(26 28 16 13-0001)</small>		
Note: Includes connection of electrical wire.		
26 28 16 13-0041 EA 1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity .....	62.92	13.20
For Bolt-On, Add	13.00	
For Installation In New Panelboard, Deduct	-7.34	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.81	
26 28 16 13-0042 EA 1 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity .....	62.92	13.20
For Bolt-On, Add	13.00	
For Installation In New Panelboard, Deduct	-7.34	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.81	
26 28 16 13-0043 EA 1 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity .....	104.19	16.51
For Bolt-On, Add	19.44	
For Installation In New Panelboard, Deduct	-9.17	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.01	
26 28 16 13-0044 EA 2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity .....	129.91	19.81
For Bolt-On, Add	23.94	
For Installation In New Panelboard, Deduct	-11.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.21	
26 28 16 13-0045 EA 2 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity .....	129.91	19.81
For Bolt-On, Add	23.94	
For Installation In New Panelboard, Deduct	-11.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.21	
26 28 16 13-0046 EA 2 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity .....	228.34	26.42
For Bolt-On, Add	38.82	
For Installation In New Panelboard, Deduct	-14.68	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.61	
26 28 16 13-0047 EA 2 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity .....	587.25	33.02
For Bolt-On, Add	86.25	
For Installation In New Panelboard, Deduct	-18.35	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.01	
26 28 16 13-0048 EA 3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity .....	208.90	26.42
For Bolt-On, Add	36.39	
For Installation In New Panelboard, Deduct	-14.68	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.61	
26 28 16 13-0049 EA 3 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity .....	208.90	26.42
For Bolt-On, Add	36.39	
For Installation In New Panelboard, Deduct	-14.68	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.61	
26 28 16 13-0050 EA 3 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity .....	277.66	33.02
For Bolt-On, Add	47.55	
For Installation In New Panelboard, Deduct	-18.35	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.01	
26 28 16 13-0051 EA 3 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity .....	727.03	39.62
For Bolt-On, Add	106.29	
For Installation In New Panelboard, Deduct	-22.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.42	
<b>26 28 16 13-0052 Branch Circuit Breakers 22,000 Amp Interrupting Capacity, Plug-On</b> <small>(26 28 16 13-0001)</small>		
Note: Includes connection of electrical wire.		
26 28 16 13-0053 EA 1 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity .....	71.92	13.20
For Bolt-On, Add	14.13	
For Installation In New Panelboard, Deduct	-7.34	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.81	
26 28 16 13-0054 EA 1 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity .....	71.92	13.20
For Bolt-On, Add	14.13	
For Installation In New Panelboard, Deduct	-7.34	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.81	
26 28 16 13-0055 EA 1 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity .....	84.73	16.51
For Bolt-On, Add	17.01	
For Installation In New Panelboard, Deduct	-9.17	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.01	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0056 EA 1 Pole GFI, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity .....	143.37	16.14
For Bolt-On, Add	24.08	
For Installation In New Panelboard, Deduct	-8.81	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.57	
26 28 16 13-0057 EA 2 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity .....	153.38	19.81
For Bolt-On, Add	26.88	
For Installation In New Panelboard, Deduct	-11.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.21	
26 28 16 13-0058 EA 2 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity .....	153.38	19.81
For Bolt-On, Add	26.88	
For Installation In New Panelboard, Deduct	-11.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.21	
26 28 16 13-0059 EA 2 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity .....	185.82	26.42
For Bolt-On, Add	33.50	
For Installation In New Panelboard, Deduct	-14.68	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.61	
26 28 16 13-0060 EA 2 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity .....	268.26	33.02
For Bolt-On, Add	46.37	
For Installation In New Panelboard, Deduct	-18.35	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.01	
26 28 16 13-0061 EA 2 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity .....	347.45	36.69
For Bolt-On, Add	57.56	
For Installation In New Panelboard, Deduct	-20.18	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.21	
26 28 16 13-0062 EA 2 Pole, 240 Volt, 250 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity .....	433.99	42.93
For Bolt-On, Add	70.94	
For Installation In New Panelboard, Deduct	-23.85	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.62	
26 28 16 13-0063 EA 2 Pole, 240 Volt, 300-400 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity .....	468.00	49.53
For Bolt-On, Add	77.76	
For Installation In New Panelboard, Deduct	-27.52	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.02	
26 28 16 13-0064 EA 3 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity .....	186.21	26.42
For Bolt-On, Add	33.55	
For Installation In New Panelboard, Deduct	-14.68	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.61	
26 28 16 13-0065 EA 3 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity .....	186.21	26.42
For Bolt-On, Add	33.55	
For Installation In New Panelboard, Deduct	-14.68	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.61	
26 28 16 13-0066 EA 3 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity .....	218.27	33.02
For Bolt-On, Add	40.13	
For Installation In New Panelboard, Deduct	-18.35	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.01	
26 28 16 13-0067 EA 3 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity .....	332.53	39.62
For Bolt-On, Add	56.98	
For Installation In New Panelboard, Deduct	-22.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.42	
26 28 16 13-0068 EA 3 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity .....	436.52	51.36
For Bolt-On, Add	74.47	
For Installation In New Panelboard, Deduct	-28.44	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.12	
26 28 16 13-0069 EA 3 Pole, 240 Volt, 250 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity .....	539.61	59.44
For Bolt-On, Add	90.57	
For Installation In New Panelboard, Deduct	-33.02	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.62	
26 28 16 13-0070 EA 3 Pole, 240 Volt, 300-400 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity .....	573.90	63.11
For Bolt-On, Add	96.14	
For Installation In New Panelboard, Deduct	-34.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	41.83	
26 28 16 13-0071 Branch Circuit Breakers 25,000 Amp Interrupting Capacity, Plug-On <small>(26 28 16 13-0071)</small>		
Note: Includes connection of electrical wire.		
26 28 16 13-0072 EA 2 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity .....	159.24	19.81
For Bolt-On, Add	27.61	
For Installation In New Panelboard, Deduct	-11.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0073 EA 2 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	159.24	19.81
For Bolt-On, Add	27.61	
For Installation In New Panelboard, Deduct	-11.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.21	
26 28 16 13-0074 EA 2 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	242.50	26.42
For Bolt-On, Add	40.59	
For Installation In New Panelboard, Deduct	-14.68	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.61	
26 28 16 13-0075 EA 2 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	394.93	33.02
For Bolt-On, Add	62.21	
For Installation In New Panelboard, Deduct	-18.35	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.01	
26 28 16 13-0076 EA 2 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	616.23	41.09
For Bolt-On, Add	93.08	
For Installation In New Panelboard, Deduct	-22.93	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.52	
26 28 16 13-0077 EA 2 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	698.91	42.93
For Bolt-On, Add	104.06	
For Installation In New Panelboard, Deduct	-23.85	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.62	
26 28 16 13-0078 EA 2 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	763.42	49.53
For Bolt-On, Add	114.69	
For Installation In New Panelboard, Deduct	-27.52	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.02	
26 28 16 13-0079 EA 3 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	229.05	26.42
For Bolt-On, Add	38.90	
For Installation In New Panelboard, Deduct	-14.68	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.61	
26 28 16 13-0080 EA 3 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	229.05	26.42
For Bolt-On, Add	38.90	
For Installation In New Panelboard, Deduct	-14.68	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.61	
26 28 16 13-0081 EA 3 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	288.56	33.02
For Bolt-On, Add	48.91	
For Installation In New Panelboard, Deduct	-18.35	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.01	
26 28 16 13-0082 EA 3 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	491.44	39.62
For Bolt-On, Add	76.84	
For Installation In New Panelboard, Deduct	-22.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.42	
26 28 16 13-0083 EA 3 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	718.94	51.36
For Bolt-On, Add	109.77	
For Installation In New Panelboard, Deduct	-28.44	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.12	
26 28 16 13-0084 EA 3 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	849.33	59.44
For Bolt-On, Add	129.28	
For Installation In New Panelboard, Deduct	-33.02	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.62	
26 28 16 13-0085 EA 3 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	919.07	63.11
For Bolt-On, Add	139.28	
For Installation In New Panelboard, Deduct	-34.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	41.83	
<b>26 28 16 13-0086 Branch Circuit Breakers 30,000 Amp Interrupting Capacity, Plug-On</b> <small>(26 28 16 13-0001)</small>		
Note: Includes connection of electrical wire.		
26 28 16 13-0087 EA 2 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	165.07	19.81
For Bolt-On, Add	28.34	
For Installation In New Panelboard, Deduct	-11.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.21	
26 28 16 13-0088 EA 2 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	165.07	19.81
For Bolt-On, Add	28.34	
For Installation In New Panelboard, Deduct	-11.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.21	
26 28 16 13-0089 EA 2 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	296.30	26.42
For Bolt-On, Add	47.31	
For Installation In New Panelboard, Deduct	-14.68	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.61	

<b>26</b>	<b>Electrical</b>
<b>26 20</b>	<b>Low-Voltage Electrical Distribution</b>
<b>26 28</b>	<b>Low-Voltage Circuit Protective Devices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0090 EA 2 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity .....	544.10	33.02
For Bolt-On, Add	80.85	
For Installation In New Panelboard, Deduct	-18.35	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.01	
26 28 16 13-0091 EA 2 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity .....	862.80	41.09
For Bolt-On, Add	123.90	
For Installation In New Panelboard, Deduct	-22.93	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.52	
26 28 16 13-0092 EA 2 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity .....	982.49	42.93
For Bolt-On, Add	139.50	
For Installation In New Panelboard, Deduct	-23.85	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.62	
26 28 16 13-0093 EA 2 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity .....	1,069.43	49.53
For Bolt-On, Add	152.94	
For Installation In New Panelboard, Deduct	-27.52	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.02	
26 28 16 13-0094 EA 3 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity .....	269.40	26.42
For Bolt-On, Add	43.95	
For Installation In New Panelboard, Deduct	-14.68	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.61	
26 28 16 13-0095 EA 3 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity .....	269.40	26.42
For Bolt-On, Add	43.95	
For Installation In New Panelboard, Deduct	-14.68	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.61	
26 28 16 13-0096 EA 3 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity .....	358.50	33.02
For Bolt-On, Add	57.65	
For Installation In New Panelboard, Deduct	-18.35	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.01	
26 28 16 13-0097 EA 3 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity .....	661.87	39.62
For Bolt-On, Add	98.14	
For Installation In New Panelboard, Deduct	-22.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.42	
26 28 16 13-0098 EA 3 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity .....	836.11	51.36
For Bolt-On, Add	124.42	
For Installation In New Panelboard, Deduct	-28.44	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.12	
26 28 16 13-0099 EA 3 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity .....	1,336.22	59.44
For Bolt-On, Add	190.14	
For Installation In New Panelboard, Deduct	-33.02	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.62	
26 28 16 13-0100 EA 3 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity .....	1,423.18	63.11
For Bolt-On, Add	202.30	
For Installation In New Panelboard, Deduct	-34.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	41.83	
26 28 16 13-0101 Branch Circuit Breakers 35,000 Amp Interrupting Capacity, Plug-On <small>(26 28 16 13-0001)</small>		
Note: Includes connection of electrical wire.		
26 28 16 13-0102 EA 1 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity .....	86.60	13.20
For Bolt-On, Add	15.96	
For Installation In New Panelboard, Deduct	-7.34	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.81	
26 28 16 13-0103 EA 1 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity .....	86.60	13.20
For Bolt-On, Add	15.96	
For Installation In New Panelboard, Deduct	-7.34	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.81	
26 28 16 13-0104 EA 1 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity .....	150.49	16.51
For Bolt-On, Add	25.23	
For Installation In New Panelboard, Deduct	-9.17	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.01	
26 28 16 13-0105 EA 2 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity .....	188.93	19.81
For Bolt-On, Add	31.32	
For Installation In New Panelboard, Deduct	-11.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.21	
26 28 16 13-0106 EA 2 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity .....	188.93	19.81
For Bolt-On, Add	31.32	
For Installation In New Panelboard, Deduct	-11.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.21	



<b>Electrical</b>	<b>26</b>	<b>26</b>
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0107 EA 2 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	345.68	26.42
For Bolt-On, Add	53.48	
For Installation In New Panelboard, Deduct	-14.68	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.61	
26 28 16 13-0108 EA 2 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	642.72	33.02
For Bolt-On, Add	93.18	
For Installation In New Panelboard, Deduct	-18.35	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.01	
26 28 16 13-0109 EA 2 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	1,252.35	41.09
For Bolt-On, Add	172.59	
For Installation In New Panelboard, Deduct	-22.93	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.52	
26 28 16 13-0110 EA 3 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	312.46	26.42
For Bolt-On, Add	49.33	
For Installation In New Panelboard, Deduct	-14.68	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.61	
26 28 16 13-0111 EA 3 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	312.46	26.42
For Bolt-On, Add	49.33	
For Installation In New Panelboard, Deduct	-14.68	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.61	
26 28 16 13-0112 EA 3 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	418.32	33.02
For Bolt-On, Add	65.13	
For Installation In New Panelboard, Deduct	-18.35	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.01	
26 28 16 13-0113 EA 3 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	791.88	39.62
For Bolt-On, Add	114.39	
For Installation In New Panelboard, Deduct	-22.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.42	
26 28 16 13-0114 EA 3 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	1,557.11	51.36
For Bolt-On, Add	214.54	
For Installation In New Panelboard, Deduct	-28.44	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.12	
<b>26 28 16 13-0115 Branch Circuit Breakers 42,000 Amp Interrupting Capacity, Plug-On</b> <small>(26 28 16 13-0001)</small>		
Note: Includes connection of electrical wire.		
26 28 16 13-0116 EA 1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	127.98	13.20
For Bolt-On, Add	21.13	
For Installation In New Panelboard, Deduct	-7.34	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.81	
26 28 16 13-0117 EA 1 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	127.98	13.20
For Bolt-On, Add	21.13	
For Installation In New Panelboard, Deduct	-7.34	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.81	
26 28 16 13-0118 EA 1 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	194.49	16.51
For Bolt-On, Add	30.73	
For Installation In New Panelboard, Deduct	-9.17	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.01	
26 28 16 13-0119 EA 2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	236.80	19.81
For Bolt-On, Add	37.31	
For Installation In New Panelboard, Deduct	-11.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.21	
26 28 16 13-0120 EA 2 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	236.80	19.81
For Bolt-On, Add	37.31	
For Installation In New Panelboard, Deduct	-11.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.21	
26 28 16 13-0121 EA 2 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	448.72	26.42
For Bolt-On, Add	66.36	
For Installation In New Panelboard, Deduct	-14.68	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.61	
26 28 16 13-0122 EA 2 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	817.56	33.02
For Bolt-On, Add	115.04	
For Installation In New Panelboard, Deduct	-18.35	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.01	
26 28 16 13-0123 EA 2 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	1,636.31	36.69
For Bolt-On, Add	218.66	
For Installation In New Panelboard, Deduct	-20.18	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.21	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0124 EA 3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity .....	408.37	26.42
For Bolt-On, Add	61.32	
For Installation In New Panelboard, Deduct	-14.68	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.61	
26 28 16 13-0125 EA 3 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity .....	408.37	26.42
For Bolt-On, Add	61.32	
For Installation In New Panelboard, Deduct	-14.68	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.61	
26 28 16 13-0126 EA 3 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity .....	566.51	33.02
For Bolt-On, Add	83.66	
For Installation In New Panelboard, Deduct	-18.35	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.01	
26 28 16 13-0127 EA 3 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity .....	921.89	39.62
For Bolt-On, Add	130.65	
For Installation In New Panelboard, Deduct	-22.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.42	
26 28 16 13-0128 EA 3 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity .....	2,063.84	51.36
For Bolt-On, Add	277.88	
For Installation In New Panelboard, Deduct	-28.44	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.12	
<b>26 28 16 13-0129 Branch Circuit Breakers 65,000 Amp Interrupting Capacity, Plug-On</b> <small>(26 28 16 13-0001)</small>		
Note: Includes connection of electrical wire.		
26 28 16 13-0130 EA 1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity .....	56.56	13.20
For Bolt-On, Add	12.21	
For Installation In New Panelboard, Deduct	-7.34	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.81	
26 28 16 13-0131 EA 2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity .....	120.72	19.81
For Bolt-On, Add	22.80	
For Installation In New Panelboard, Deduct	-11.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.21	
26 28 16 13-0132 EA 3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity .....	192.29	26.42
For Bolt-On, Add	34.31	
For Installation In New Panelboard, Deduct	-14.68	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.61	
26 28 16 13-0133 EA 1 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity .....	120.89	13.20
For Bolt-On, Add	20.25	
For Installation In New Panelboard, Deduct	-7.34	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.81	
26 28 16 13-0134 EA 1 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity .....	120.89	13.20
For Bolt-On, Add	20.25	
For Installation In New Panelboard, Deduct	-7.34	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.81	
26 28 16 13-0135 EA 1 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity .....	240.71	26.42
For Bolt-On, Add	40.36	
For Installation In New Panelboard, Deduct	-14.68	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.61	
26 28 16 13-0136 EA 2 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity .....	276.23	19.81
For Bolt-On, Add	42.23	
For Installation In New Panelboard, Deduct	-11.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.21	
26 28 16 13-0137 EA 2 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity .....	276.23	19.81
For Bolt-On, Add	42.23	
For Installation In New Panelboard, Deduct	-11.01	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.21	
26 28 16 13-0138 EA 2 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity .....	537.58	26.42
For Bolt-On, Add	77.47	
For Installation In New Panelboard, Deduct	-14.68	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.61	
26 28 16 13-0139 EA 2 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity .....	916.18	33.02
For Bolt-On, Add	127.36	
For Installation In New Panelboard, Deduct	-18.35	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.01	
26 28 16 13-0140 EA 2 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity .....	2,026.69	41.09
For Bolt-On, Add	269.39	
For Installation In New Panelboard, Deduct	-22.93	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.52	



<b>Electrical</b>	<b>26</b>	
<b>Low-Voltage Electrical Distribution</b>	<b>26 20</b>	<b>26</b>
<b>Low-Voltage Circuit Protective Devices</b>	<b>26 28</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0141	EA		3 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	464.78	26.42
			<i>For Bolt-On, Add</i>	68.37	
			<i>For Installation In New Panelboard, Deduct</i>	-14.68	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.61	
26 28 16 13-0142	EA		3 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	464.78	26.42
			<i>For Bolt-On, Add</i>	68.37	
			<i>For Installation In New Panelboard, Deduct</i>	-14.68	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.61	
26 28 16 13-0143	EA		3 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	648.39	33.02
			<i>For Bolt-On, Add</i>	93.89	
			<i>For Installation In New Panelboard, Deduct</i>	-18.35	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.01	
26 28 16 13-0144	EA		3 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	993.62	39.62
			<i>For Bolt-On, Add</i>	139.61	
			<i>For Installation In New Panelboard, Deduct</i>	-22.01	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.42	
26 28 16 13-0145	EA		3 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	2,520.18	51.36
			<i>For Bolt-On, Add</i>	334.93	
			<i>For Installation In New Panelboard, Deduct</i>	-28.44	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.12	
<b>26 28 16 16 Enclosed Switches (26 28 16)</b>					
26 28 16 16-0001			<b>Motor And Circuit Disconnects (26 28 16 16)</b>		
			<i>Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the disconnect.</i>		
26 28 16 16-0002			<b>NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0001)</b>		
26 28 16 16-0003			<b>Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0002)</b>		
			<i>Note: Includes fuses and neutral bar.</i>		
26 28 16 16-0004			<b>240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)</b>		
26 28 16 16-0005	EA		30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	292.79	73.38
26 28 16 16-0006	EA		60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	468.95	88.42
26 28 16 16-0007	EA		100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	650.45	103.46
26 28 16 16-0008	EA		200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,125.25	162.90
26 28 16 16-0009	EA		400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,423.41	253.15
26 28 16 16-0010	EA		600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,062.66	374.23
26 28 16 16-0011	EA		800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,565.14	440.26
26 28 16 16-0012	EA		1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	7,497.02	513.65
26 28 16 16-0013			<b>600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)</b>		
26 28 16 16-0014	EA		30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	455.42	81.53
26 28 16 16-0015	EA		60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	549.54	98.25
26 28 16 16-0016	EA		100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	887.41	114.84
26 28 16 16-0017	EA		200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,308.32	181.24
26 28 16 16-0018	EA		400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,891.94	281.18
26 28 16 16-0019	EA		600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,515.69	415.61
26 28 16 16-0020	EA		800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,718.59	488.92
26 28 16 16-0021	EA		1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	9,210.63	570.73
26 28 16 16-0022			<b>240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)</b>		
26 28 16 16-0023	EA		30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	412.96	115.20
26 28 16 16-0024	EA		60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	614.10	153.00



**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0025 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	838.53	169.87
26 28 16 16-0026 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,327.37	265.99
26 28 16 16-0027 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	2,794.65	436.59
26 28 16 16-0028 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	4,577.57	611.61
<b>26 28 16 16-0029 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0003)</small></b>		
26 28 16 16-0030 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	547.14	127.31
26 28 16 16-0031 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	692.84	169.87
26 28 16 16-0032 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,040.00	191.15
26 28 16 16-0033 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,528.14	291.31
26 28 16 16-0034 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	3,461.06	470.35
26 28 16 16-0035 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	5,594.61	679.48
26 28 16 16-0036 EA 800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	8,990.87	807.15
26 28 16 16-0037 EA 1,200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	11,530.03	917.22
<b>26 28 16 16-0038 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0003)</small></b>		
26 28 16 16-0039 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	398.94	115.20
26 28 16 16-0040 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	595.97	153.00
26 28 16 16-0041 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	805.56	169.87
26 28 16 16-0042 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,372.72	265.99
26 28 16 16-0043 EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	3,050.24	436.59
26 28 16 16-0044 EA 600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	4,962.09	611.61
26 28 16 16-0045 EA 800 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	8,291.07	770.47
26 28 16 16-0046 EA 1,200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	10,245.10	880.54
<b>26 28 16 16-0047 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0003)</small></b>		
26 28 16 16-0048 EA 30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	598.61	127.31
26 28 16 16-0049 EA 60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	756.08	169.87
26 28 16 16-0050 EA 100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,132.47	191.15
26 28 16 16-0051 EA 200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,666.58	291.31
26 28 16 16-0052 EA 400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	3,756.42	470.35
26 28 16 16-0053 EA 600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	6,116.24	679.48
26 28 16 16-0054 EA 800 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	9,856.90	807.15
26 28 16 16-0055 EA 1,200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	12,465.53	917.22
<b>26 28 16 16-0056 Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0002)</small></b>		
<b>26 28 16 16-0057 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small></b>		
26 28 16 16-0058 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	283.92	106.18
26 28 16 16-0059 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	444.83	147.71
26 28 16 16-0060 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	620.47	169.87
26 28 16 16-0061 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	970.86	271.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0062 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,979.86	452.96
26 28 16 16-0063 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,264.29	617.69
26 28 16 16-0064 EA 800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,695.52	733.77
26 28 16 16-0065 EA 1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,225.13	856.39
<b>26 28 16 16-0066 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0066)</small></b>		
26 28 16 16-0067 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	313.64	117.19
26 28 16 16-0068 EA 60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	504.13	165.76
26 28 16 16-0069 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	702.02	188.73
26 28 16 16-0070 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,089.14	295.42
26 28 16 16-0071 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,130.35	485.32
26 28 16 16-0072 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,610.69	679.41
26 28 16 16-0073 EA 800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,224.92	733.77
26 28 16 16-0074 EA 1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,950.12	856.39
<b>26 28 16 16-0075 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0075)</small></b>		
26 28 16 16-0076 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	328.25	95.39
26 28 16 16-0077 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	506.50	132.82
26 28 16 16-0078 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	691.39	153.00
26 28 16 16-0079 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,084.91	244.72
26 28 16 16-0080 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,197.22	407.61
26 28 16 16-0081 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,573.03	555.83
26 28 16 16-0082 EA 800 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,239.27	660.40
26 28 16 16-0083 EA 1,200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	8,157.92	770.47
<b>26 28 16 16-0084 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0084)</small></b>		
26 28 16 16-0085 EA 30 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	357.76	105.30
26 28 16 16-0086 EA 60 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	556.10	149.33
26 28 16 16-0087 EA 100 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	752.90	169.87
26 28 16 16-0088 EA 200 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,169.99	265.99
26 28 16 16-0089 EA 400 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,354.15	436.59
26 28 16 16-0090 EA 600 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,860.01	611.61
26 28 16 16-0091 EA 800 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,589.65	660.40
<b>26 28 16 16-0092 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0092)</small></b>		
26 28 16 16-0093 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	383.88	105.45
26 28 16 16-0094 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	600.63	149.18
26 28 16 16-0095 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	825.33	169.87
26 28 16 16-0096 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,281.55	265.85
26 28 16 16-0097 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,510.20	436.74
26 28 16 16-0098 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,321.85	611.46

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0099	EA	800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	7,116.74	660.40
26 28 16 16-0100	EA	1,200 Amp, 600 Volt Class, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	9,339.15	770.47
<b>26 28 16 16-0101</b>		<b>240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small></b>		
26 28 16 16-0102	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	579.08	95.54
26 28 16 16-0103	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	694.62	132.96
26 28 16 16-0104	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,079.39	152.85
26 28 16 16-0105	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,615.56	244.57
<b>26 28 16 16-0106</b>		<b>480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small></b>		
26 28 16 16-0107	EA	30 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	626.58	105.30
26 28 16 16-0108	EA	60 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	757.68	149.33
26 28 16 16-0109	EA	100 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,168.63	169.87
26 28 16 16-0110	EA	200 Amp, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,738.56	265.99
<b>26 28 16 16-0111</b>		<b>600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small></b>		
26 28 16 16-0112	EA	30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	699.26	105.45
26 28 16 16-0113	EA	60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	837.85	149.18
26 28 16 16-0114	EA	100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,312.81	169.87
26 28 16 16-0115	EA	200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,948.59	265.85
<b>26 28 16 16-0116</b>		<b>General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0002)</small></b>		
		Note: Includes fuses and neutral bar.		
<b>26 28 16 16-0117</b>		<b>240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0116)</small></b>		
26 28 16 16-0118	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	199.52	63.84
26 28 16 16-0119	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	274.84	76.82
26 28 16 16-0120	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	430.81	89.82
26 28 16 16-0121	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	804.45	141.69
26 28 16 16-0122	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,946.60	219.77
26 28 16 16-0123	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,664.73	325.28
<b>26 28 16 16-0124</b>		<b>240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0116)</small></b>		
26 28 16 16-0125	EA	30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	272.27	100.30
26 28 16 16-0126	EA	60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	386.79	132.96
26 28 16 16-0127	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	546.59	147.71
26 28 16 16-0128	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	984.32	231.21
26 28 16 16-0129	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,268.56	379.80
26 28 16 16-0130	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,081.37	531.69
<b>26 28 16 16-0131</b>		<b>240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0116)</small></b>		



<b>Electrical</b>	<b>26</b>	<b>26</b>
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0132 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	306.18	100.30
26 28 16 16-0133 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	441.47	132.96
26 28 16 16-0134 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	596.35	147.71
26 28 16 16-0135 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,109.68	231.21
26 28 16 16-0136 EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,482.82	379.80
26 28 16 16-0137 EA 600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,217.19	531.69
<b>26 28 16 16-0138 General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0002)</small>		
<b>26 28 16 16-0139 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0138)</small>		
26 28 16 16-0140 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	272.17	88.78
26 28 16 16-0141 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	366.82	102.07
26 28 16 16-0142 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	847.62	163.12
26 28 16 16-0143 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,840.12	271.50
26 28 16 16-0144 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,213.89	369.98
<b>26 28 16 16-0145 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0138)</small>		
26 28 16 16-0146 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	257.34	83.06
26 28 16 16-0147 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	352.11	115.57
26 28 16 16-0148 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	547.74	132.96
26 28 16 16-0149 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	947.32	212.72
26 28 16 16-0150 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,006.89	354.56
26 28 16 16-0151 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,442.05	483.26
<b>26 28 16 16-0152 NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0001)</small>		
<b>26 28 16 16-0153 Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0152)</small>		
Note: With fuses, neutral bar, and hub if required.		
<b>26 28 16 16-0154 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0153)</small>		
26 28 16 16-0155 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	436.12	86.22
26 28 16 16-0156 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	703.31	103.46
26 28 16 16-0157 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	881.56	120.34
26 28 16 16-0158 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,288.33	183.44
26 28 16 16-0159 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,878.43	293.51
26 28 16 16-0160 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,079.57	391.47
26 28 16 16-0161 EA 800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,657.31	440.26
26 28 16 16-0162 EA 1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,166.49	513.65
<b>26 28 16 16-0163 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0153)</small>		
26 28 16 16-0164 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	760.04	114.91
26 28 16 16-0165 EA 60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	903.90	140.89
26 28 16 16-0166 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,293.78	161.80

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0167 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,818.68	242.66
26 28 16 16-0168 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,994.78	397.04
26 28 16 16-0169 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,398.46	546.00
26 28 16 16-0170 EA 800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,926.84	628.70
26 28 16 16-0171 EA 1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	12,032.70	707.73
<b>26 28 16 16-0172 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26</b> <small>28 16 16-0153)</small>		
26 28 16 16-0173 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	549.01	135.75
26 28 16 16-0174 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	881.59	179.77
26 28 16 16-0175 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,068.07	197.39
26 28 16 16-0176 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,579.94	305.62
26 28 16 16-0177 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,459.68	509.61
26 28 16 16-0178 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,819.41	679.48
<b>26 28 16 16-0179 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26</b> <small>28 16 16-0153)</small>		
26 28 16 16-0180 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	853.63	160.92
26 28 16 16-0181 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,017.02	197.24
26 28 16 16-0182 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,372.26	226.44
26 28 16 16-0183 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,990.40	339.74
26 28 16 16-0184 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,236.66	555.91
26 28 16 16-0185 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,720.73	764.37
26 28 16 16-0186 EA 800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,986.54	880.54
26 28 16 16-0187 EA 1,200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	13,169.28	990.59
<b>26 28 16 16-0188 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26</b> <small>28 16 16-0153)</small>		
26 28 16 16-0189 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	606.52	135.75
26 28 16 16-0190 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	883.26	179.77
26 28 16 16-0191 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,148.92	197.39
26 28 16 16-0192 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,633.87	305.62
26 28 16 16-0193 EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,509.15	509.61
26 28 16 16-0194 EA 600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,363.59	679.48
26 28 16 16-0195 EA 800 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,724.64	770.47
26 28 16 16-0196 EA 1,200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	13,391.12	880.54
<b>26 28 16 16-0197 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches (26</b> <small>28 16 16-0153)</small>		
26 28 16 16-0198 EA 30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	886.62	161.07
26 28 16 16-0199 EA 60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,054.11	197.39
26 28 16 16-0200 EA 100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,454.71	226.37
26 28 16 16-0201 EA 200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,043.99	339.74



<b>Electrical</b>	<b>26</b>	
Low-Voltage Electrical Distribution	26 20	26
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0202 EA 400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,430.42	555.83
26 28 16 16-0203 EA 600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,943.35	764.23
26 28 16 16-0204 EA 800 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	11,687.53	880.54
26 28 16 16-0205 EA 1,200 Amp, 600 Volt Class, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	14,093.28	990.59
<b>26 28 16 16-0206 Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0152)</small>		
<b>26 28 16 16-0207 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0206)</small>		
26 28 16 16-0208 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	415.86	75.50
26 28 16 16-0209 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	684.46	104.56
26 28 16 16-0210 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	905.02	119.90
26 28 16 16-0211 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,194.10	194.16
26 28 16 16-0212 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,690.02	323.89
26 28 16 16-0213 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,951.65	431.83
26 28 16 16-0214 EA 800 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	8,019.02	513.86
26 28 16 16-0215 EA 1,200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,612.66	587.24
<b>26 28 16 16-0216 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0206)</small>		
26 28 16 16-0217 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	468.74	83.21
26 28 16 16-0218 EA 60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	776.25	116.45
26 28 16 16-0219 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,023.05	131.49
26 28 16 16-0220 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,328.65	203.85
26 28 16 16-0221 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,061.02	339.74
26 28 16 16-0222 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,349.99	452.96
26 28 16 16-0223 EA 800 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	8,554.89	538.30
26 28 16 16-0224 EA 1,200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	11,318.30	611.46
<b>26 28 16 16-0225 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0206)</small>		
26 28 16 16-0226 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	491.35	113.23
26 28 16 16-0227 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	788.99	156.81
26 28 16 16-0228 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,024.92	179.84
26 28 16 16-0229 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,388.22	291.24
26 28 16 16-0230 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,055.32	485.76
26 28 16 16-0231 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,464.59	647.56
26 28 16 16-0232 EA 800 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	8,623.46	770.47
26 28 16 16-0233 EA 1,200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	11,457.54	880.54
<b>26 28 16 16-0234 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0206)</small>		
26 28 16 16-0235 EA 30 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	533.38	124.75
26 28 16 16-0236 EA 60 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	858.77	174.71
26 28 16 16-0237 EA 100 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,107.25	197.24

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0238 EA 200 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,474.91	305.76
26 28 16 16-0239 EA 400 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	3,251.65	509.54
26 28 16 16-0240 EA 600 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	5,825.71	679.41
26 28 16 16-0241 EA 800 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	9,202.59	807.15
26 28 16 16-0242 EA 1,200 Amp, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	12,222.32	917.22
<b>26 28 16 16-0243 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0206)</small>		
26 28 16 16-0244 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	271.04	124.75
26 28 16 16-0245 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	892.71	174.71
26 28 16 16-0246 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,154.56	197.24
26 28 16 16-0247 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,532.49	305.76
26 28 16 16-0248 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	3,400.73	509.54
26 28 16 16-0249 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	5,802.93	679.41
26 28 16 16-0250 EA 800 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	9,189.82	807.15
26 28 16 16-0251 EA 1,200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	12,204.96	917.22
<b>26 28 16 16-0252 General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0152)</small>		
Note: With fuses, neutral bar, and hub if required.		
<b>26 28 16 16-0253 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0252)</small>		
26 28 16 16-0254 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	260.31	74.99
26 28 16 16-0255 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	371.91	89.96
26 28 16 16-0256 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	493.08	104.63
26 28 16 16-0257 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,027.22	159.52
26 28 16 16-0258 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	2,551.81	255.21
26 28 16 16-0259 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	4,555.72	340.47
<b>26 28 16 16-0260 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0252)</small>		
26 28 16 16-0261 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	347.11	118.21
26 28 16 16-0262 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	505.07	156.37
26 28 16 16-0263 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	626.63	171.55
26 28 16 16-0264 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,240.61	265.85
26 28 16 16-0265 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	2,929.15	443.05
26 28 16 16-0266 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	5,062.90	590.98
<b>26 28 16 16-0267 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0252)</small>		
26 28 16 16-0268 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	394.65	118.14
26 28 16 16-0269 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	552.72	156.37
26 28 16 16-0270 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	780.07	171.55
26 28 16 16-0271 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,339.73	265.85
26 28 16 16-0272 EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	2,992.82	443.13



<b>Electrical</b>	<b>26</b>	<b>26</b>
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0273 EA 600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,560.11	590.98
26 28 16 16-0274 EA 800 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,996.54	669.50
<b>26 28 16 16-0275 General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0152)</small></b>		
<b>26 28 16 16-0276 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0275)</small></b>		
26 28 16 16-0277 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	235.48	65.68
26 28 16 16-0278 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	390.19	90.92
26 28 16 16-0279 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	407.61	104.27
26 28 16 16-0280 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,046.18	168.77
26 28 16 16-0281 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	2,605.25	281.62
26 28 16 16-0282 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	4,627.97	375.47
<b>26 28 16 16-0283 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0275)</small></b>		
26 28 16 16-0284 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	369.86	98.47
26 28 16 16-0285 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	534.00	136.33
26 28 16 16-0286 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	794.44	156.37
26 28 16 16-0287 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,370.07	253.23
<b>26 28 16 16-0288 NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0001)</small></b>		
<b>26 28 16 16-0289 Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0288)</small></b>		
Note: With fuses and neutral bar (stainless steel).		
<b>26 28 16 16-0290 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0289)</small></b>		
26 28 16 16-0291 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,203.50	73.38
26 28 16 16-0292 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,445.65	88.42
26 28 16 16-0293 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,971.84	103.31
26 28 16 16-0294 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,104.51	163.04
26 28 16 16-0295 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	8,367.35	253.01
26 28 16 16-0296 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	12,024.40	374.08
<b>26 28 16 16-0297 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0289)</small></b>		
26 28 16 16-0298 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,530.68	81.53
26 28 16 16-0299 EA 60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,699.97	98.18
26 28 16 16-0300 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,212.24	114.76
26 28 16 16-0301 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,534.26	181.24
26 28 16 16-0302 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	8,684.12	281.33
26 28 16 16-0303 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	12,448.22	415.61
<b>26 28 16 16-0304 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0289)</small></b>		
26 28 16 16-0305 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,342.78	115.35
26 28 16 16-0306 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,680.61	152.85



**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0307	EA	100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,241.70	169.87
26 28 16 16-0308	EA	200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,601.03	265.85
26 28 16 16-0309	EA	400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	8,994.96	436.74
26 28 16 16-0310	EA	600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	12,839.99	611.46
<b>26 28 16 16-0311</b>		<b>600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0289)</small>		
26 28 16 16-0312	EA	30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,626.66	127.38
26 28 16 16-0313	EA	60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,847.96	169.87
26 28 16 16-0314	EA	100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,374.13	191.07
26 28 16 16-0315	EA	200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,767.09	291.17
26 28 16 16-0316	EA	400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	9,283.84	470.35
26 28 16 16-0317	EA	600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	13,207.55	679.41
<b>26 28 16 16-0318</b>		<b>240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0289)</small>		
26 28 16 16-0319	EA	30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,611.67	115.35
26 28 16 16-0320	EA	60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,016.75	152.85
26 28 16 16-0321	EA	100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,914.33	169.87
26 28 16 16-0322	EA	200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,520.83	265.85
26 28 16 16-0323	EA	400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	10,805.23	436.74
26 28 16 16-0324	EA	600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	15,327.74	611.46
<b>26 28 16 16-0325</b>		<b>600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0289)</small>		
26 28 16 16-0326	EA	30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,944.39	127.38
26 28 16 16-0327	EA	60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,208.26	169.87
26 28 16 16-0328	EA	100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,060.72	191.07
26 28 16 16-0329	EA	200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,694.57	291.17
26 28 16 16-0330	EA	400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	11,118.53	470.35
26 28 16 16-0331	EA	600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	15,729.21	679.41
<b>26 28 16 16-0332</b>		<b>Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0288)</small>		
<b>26 28 16 16-0333</b>		<b>240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0332)</small>		
26 28 16 16-0334	EA	30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,153.88	73.38
26 28 16 16-0335	EA	60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,400.85	102.07
26 28 16 16-0336	EA	100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,658.28	117.41
26 28 16 16-0337	EA	200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,681.23	187.55
26 28 16 16-0338	EA	400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	6,710.22	312.30
26 28 16 16-0339	EA	600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	9,616.87	425.45
<b>26 28 16 16-0340</b>		<b>600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0332)</small>		



<b>Electrical</b>	<b>26</b>	<b>26</b>
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0341 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,312.95	80.93
26 28 16 16-0342 EA 60 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,596.50	114.47
26 28 16 16-0343 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,030.58	130.47
26 28 16 16-0344 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,186.13	203.85
26 28 16 16-0345 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	7,625.97	335.48
26 28 16 16-0346 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	10,957.59	469.62
<b>26 28 16 16-0347 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0332)</b>		
26 28 16 16-0348 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,198.21	95.54
26 28 16 16-0349 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,443.49	132.96
26 28 16 16-0350 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,502.40	152.85
26 28 16 16-0351 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,912.65	244.57
26 28 16 16-0352 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,121.40	407.69
26 28 16 16-0353 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	10,166.45	555.91
<b>26 28 16 16-0354 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0332)</b>		
26 28 16 16-0355 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,361.86	105.45
26 28 16 16-0356 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,665.90	149.18
26 28 16 16-0357 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,109.38	169.87
26 28 16 16-0358 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,310.11	265.85
26 28 16 16-0359 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	8,632.43	436.74
26 28 16 16-0360 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	11,571.16	611.46
<b>26 28 16 16-0361 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0332)</b>		
26 28 16 16-0362 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,657.92	95.54
26 28 16 16-0363 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,982.69	132.96
26 28 16 16-0364 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,503.60	152.85
26 28 16 16-0365 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	6,866.94	244.57
<b>26 28 16 16-0366 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0332)</b>		
26 28 16 16-0367 EA 30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	1,887.23	105.45
26 28 16 16-0368 EA 60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,260.37	149.18
26 28 16 16-0369 EA 100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,137.26	169.87
26 28 16 16-0370 EA 200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	7,820.58	265.85
<b>26 28 16 16-0371 Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0288)</b>		
<b>26 28 16 16-0372 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0371)</b>		
26 28 16 16-0373 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,193.37	127.31
26 28 16 16-0374 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,493.09	169.87

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0375 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,514.03	191.15
26 28 16 16-0376 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,863.40	291.31
<b>26 28 16 16-0377 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0371)</small>		
26 28 16 16-0378 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,057.90	105.30
26 28 16 16-0379 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,351.06	149.33
26 28 16 16-0380 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,270.36	169.87
26 28 16 16-0381 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,794.64	265.99
<b>26 28 16 16-0382 Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0288)</small>		
<b>26 28 16 16-0383 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0382)</small>		
26 28 16 16-0384 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,513.29	127.31
26 28 16 16-0385 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,851.08	169.87
26 28 16 16-0386 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,191.04	191.15
<b>26 28 16 16-0387 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0382)</small>		
26 28 16 16-0388 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,360.61	105.30
26 28 16 16-0389 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,690.02	149.33
26 28 16 16-0390 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,920.18	169.87
<b>26 28 16 16-0391 NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0001)</small>		
Note: Class 1, groups C and D, division 1 or 2, NEMA 7; Class 2, groups E, F and G, division 1 or 2, NEMA 9; or Class 3, division 1 Or 2, NEMA 9, hazardous locations as defined in NEC article 500.		
<b>26 28 16 16-0392 Heavy Duty Fusible, NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0391)</small>		
Note: With fuses and neutral bar.		
26 28 16 16-0393 EA 30 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch .....	1,974.54	146.75
26 28 16 16-0394 EA 60 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch .....	2,227.05	174.71
26 28 16 16-0395 EA 100 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch .....	2,468.76	197.24
26 28 16 16-0396 EA 200 Amp, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch .....	5,271.18	305.76
<b>26 28 16 16-0397 Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0391)</small>		
26 28 16 16-0398 EA 60 Amp, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch .....	1,516.20	174.71
26 28 16 16-0399 EA 100 Amp, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch .....	1,776.47	197.24
26 28 16 16-0400 EA 200 Amp, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch .....	3,282.22	305.76
<b>26 28 16 16-0401 NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0001)</small>		
<b>26 28 16 16-0402 Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0401)</small>		
Note: With fuses and neutral bar.		
<b>26 28 16 16-0403 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0402)</small>		
26 28 16 16-0404 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	425.84	73.38
26 28 16 16-0405 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	558.25	88.42
26 28 16 16-0406 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	766.74	103.46
26 28 16 16-0407 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,296.45	162.90
26 28 16 16-0408 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	2,794.05	253.15
26 28 16 16-0409 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	5,068.55	374.23
<b>26 28 16 16-0410 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0402)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0411 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	678.38	81.45
26 28 16 16-0412 EA 60 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	695.38	98.33
26 28 16 16-0413 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,009.34	114.84
26 28 16 16-0414 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,578.68	181.24
26 28 16 16-0415 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	3,477.34	281.04
26 28 16 16-0416 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	6,919.67	415.68
<b>26 28 16 16-0417 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small></b>		
26 28 16 16-0418 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	587.98	115.20
26 28 16 16-0419 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	816.49	153.00
26 28 16 16-0420 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,125.83	169.87
26 28 16 16-0421 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,669.49	265.99
26 28 16 16-0422 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	3,301.71	436.59
26 28 16 16-0423 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	5,326.56	611.61
<b>26 28 16 16-0424 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small></b>		
26 28 16 16-0425 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	790.72	127.31
26 28 16 16-0426 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	888.01	169.87
26 28 16 16-0427 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,326.23	191.15
26 28 16 16-0428 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,926.31	291.31
26 28 16 16-0429 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	4,077.98	470.35
26 28 16 16-0430 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	7,732.27	679.48
<b>26 28 16 16-0431 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small></b>		
26 28 16 16-0432 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	630.63	115.20
26 28 16 16-0433 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	845.80	153.00
26 28 16 16-0434 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,217.81	169.87
26 28 16 16-0435 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,784.98	265.99
26 28 16 16-0436 EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	3,610.92	436.59
26 28 16 16-0437 EA 600 Amp, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	5,535.45	611.61
<b>26 28 16 16-0438 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small></b>		
26 28 16 16-0439 EA 30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	840.17	127.31
26 28 16 16-0440 EA 60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,019.93	169.87
26 28 16 16-0441 EA 100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,416.94	191.15
26 28 16 16-0442 EA 200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	2,099.45	291.31
26 28 16 16-0443 EA 400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	4,358.31	470.35
26 28 16 16-0444 EA 600 Amp, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	7,963.13	679.48
<b>26 28 16 16-0445 Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0401)</small></b>		

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 28 16 16-0446 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0445)</small>		
26 28 16 16-0447 EA 30 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	446.60	106.03
26 28 16 16-0448 EA 60 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	590.82	147.85
26 28 16 16-0449 EA 100 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	788.81	169.87
26 28 16 16-0450 EA 200 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,118.96	271.87
26 28 16 16-0451 EA 400 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,491.12	453.11
26 28 16 16-0452 EA 600 Amp, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,965.60	617.84
<b>26 28 16 16-0453 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0445)</small>		
26 28 16 16-0454 EA 30 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	498.06	117.04
26 28 16 16-0455 EA 60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	656.37	165.83
26 28 16 16-0456 EA 100 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	879.30	188.58
26 28 16 16-0457 EA 200 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,215.75	295.35
26 28 16 16-0458 EA 400 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,636.27	485.40
26 28 16 16-0459 EA 600 Amp, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,381.60	679.48
<b>26 28 16 16-0460 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0445)</small>		
26 28 16 16-0461 EA 30 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	574.84	95.39
26 28 16 16-0462 EA 60 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	753.95	132.82
26 28 16 16-0463 EA 100 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,011.79	153.00
26 28 16 16-0464 EA 200 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,435.56	244.72
26 28 16 16-0465 EA 400 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,059.22	407.61
26 28 16 16-0466 EA 600 Amp, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,856.28	555.83
<b>26 28 16 16-0467 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0445)</small>		
26 28 16 16-0468 EA 30 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	558.80	105.30
26 28 16 16-0469 EA 60 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	813.60	149.33
26 28 16 16-0470 EA 100 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,081.77	169.87
26 28 16 16-0471 EA 200 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,409.82	265.99
26 28 16 16-0472 EA 400 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,062.62	436.59
26 28 16 16-0473 EA 600 Amp, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	5,798.98	611.61
<b>26 28 16 16-0474 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0445)</small>		
26 28 16 16-0475 EA 30 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	696.88	95.39
26 28 16 16-0476 EA 60 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	823.35	132.82
26 28 16 16-0477 EA 100 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,296.12	153.00
26 28 16 16-0478 EA 200 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,054.60	244.72
26 28 16 16-0479 EA 400 Amp, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,759.18	311.86
<b>26 28 16 16-0480 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0445)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0481 EA 30 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	722.05	105.30
26 28 16 16-0482 EA 60 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	896.05	149.33
26 28 16 16-0483 EA 100 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,382.71	169.87
26 28 16 16-0484 EA 200 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,106.52	265.99
26 28 16 16-0485 EA 400 Amp, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,973.41	410.92
<b>26 28 16 16-0486 Double Throw Safety Switches (26 28 16 16-0001)</b>		
<b>26 28 16 16-0487 NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0486)</b>		
<b>26 28 16 16-0488 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0487)</b>		
26 28 16 16-0489 EA 30 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	533.89	94.29
26 28 16 16-0490 EA 60 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	793.45	123.27
26 28 16 16-0491 EA 100 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,116.43	161.07
26 28 16 16-0492 EA 200 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,490.34	209.49
26 28 16 16-0493 EA 400 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,667.63	261.96
26 28 16 16-0494 EA 600 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	6,689.27	420.09
26 28 16 16-0495 EA 800 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	7,642.65	587.02
26 28 16 16-0496 EA 1,000 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	11,323.42	660.40
26 28 16 16-0497 EA 1,200 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	13,355.34	733.77
<b>26 28 16 16-0498 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0487)</b>		
26 28 16 16-0499 EA 30 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	669.86	132.08
26 28 16 16-0500 EA 60 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	938.55	172.44
26 28 16 16-0501 EA 100 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,422.90	225.64
26 28 16 16-0502 EA 200 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,100.62	293.51
26 28 16 16-0503 EA 400 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	5,052.25	366.89
26 28 16 16-0504 EA 600 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	7,027.55	587.02
26 28 16 16-0505 EA 800 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	8,234.87	660.40
26 28 16 16-0506 EA 1,000 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	11,840.26	733.77
26 28 16 16-0507 EA 1,200 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	14,056.36	807.15
26 28 16 16-0508 EA 1,600 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	16,275.89	953.91
26 28 16 16-0509 EA 2,000 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	18,520.33	1,100.66
26 28 16 16-0510 EA 2,600 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	25,293.78	1,247.42
26 28 16 16-0511 EA 3,000 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	27,774.85	1,394.17
<b>26 28 16 16-0512 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0487)</b>		
26 28 16 16-0513 EA 30 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	893.12	165.10
26 28 16 16-0514 EA 60 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,306.65	215.74
26 28 16 16-0515 EA 100 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,348.66	281.77
26 28 16 16-0516 EA 200 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,223.03	366.16
26 28 16 16-0517 EA 400 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	6,578.15	458.61
26 28 16 16-0518 EA 600 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	8,276.96	734.88
26 28 16 16-0519 EA 800 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	10,511.89	807.15
26 28 16 16-0520 EA 1,000 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	14,051.52	843.84
26 28 16 16-0521 EA 1,200 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	15,780.71	880.54
26 28 16 16-0522 EA 1,600 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	19,275.39	1,027.29
26 28 16 16-0523 EA 2,000 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	22,181.73	1,174.05
26 28 16 16-0524 EA 2,600 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	31,611.04	1,320.80
26 28 16 16-0525 EA 3,000 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	34,949.27	1,467.55
<b>26 28 16 16-0526 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0487)</b>		
26 28 16 16-0527 EA 60 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	922.01	123.27
26 28 16 16-0528 EA 100 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,393.68	161.07
26 28 16 16-0529 EA 200 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,062.59	209.49
26 28 16 16-0530 EA 400 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	4,932.81	261.96
26 28 16 16-0531 EA 600 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	7,281.48	420.09
26 28 16 16-0532 EA 800 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	8,289.54	587.02
26 28 16 16-0533 EA 1,000 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	12,323.69	660.40
26 28 16 16-0534 EA 1,200 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	14,544.12	733.77
<b>26 28 16 16-0535 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0487)</b>		
26 28 16 16-0536 EA 60 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,020.23	172.44
26 28 16 16-0537 EA 100 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,522.43	225.64
26 28 16 16-0538 EA 200 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,229.92	293.51

<b>26</b>	<b>Electrical</b>
<b>26 20</b>	<b>Low-Voltage Electrical Distribution</b>
<b>26 28</b>	<b>Low-Voltage Circuit Protective Devices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0539 EA 400 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	5,142.51	366.89
26 28 16 16-0540 EA 600 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	7,616.45	587.02
26 28 16 16-0541 EA 800 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	8,926.28	660.40
26 28 16 16-0542 EA 1,000 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	12,334.19	733.77
26 28 16 16-0543 EA 1,200 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	15,300.57	807.15
26 28 16 16-0544 EA 1,600 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	18,502.94	953.91
26 28 16 16-0545 EA 2,000 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	21,049.77	1,100.66
26 28 16 16-0546 EA 2,600 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	25,293.74	1,247.42
26 28 16 16-0547 EA 3,000 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	30,273.49	1,394.17
<b>26 28 16 16-0548 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0487)</small>		
26 28 16 16-0549 EA 60 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,387.05	215.74
26 28 16 16-0550 EA 100 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,465.20	281.77
26 28 16 16-0551 EA 200 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,463.29	366.16
26 28 16 16-0552 EA 400 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	7,090.73	458.61
26 28 16 16-0553 EA 600 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	8,851.40	734.88
26 28 16 16-0554 EA 800 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	11,401.65	807.15
26 28 16 16-0555 EA 1,000 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	15,287.91	843.84
26 28 16 16-0556 EA 1,200 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	17,182.67	880.54
26 28 16 16-0557 EA 1,600 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	20,997.47	1,027.29
26 28 16 16-0558 EA 2,000 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	24,165.10	1,174.05
26 28 16 16-0559 EA 2,600 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	34,507.99	1,320.80
26 28 16 16-0560 EA 3,000 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	38,150.68	1,467.55
<b>26 28 16 16-0561 NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0486)</small>		
<b>26 28 16 16-0562 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0561)</small>		
26 28 16 16-0563 EA 100 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,407.92	161.07
26 28 16 16-0564 EA 200 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,279.47	209.49
26 28 16 16-0565 EA 400 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	10,874.91	261.96
26 28 16 16-0566 EA 600 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	18,739.93	420.09
<b>26 28 16 16-0567 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0561)</small>		
26 28 16 16-0568 EA 100 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,840.89	225.27
26 28 16 16-0569 EA 200 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,994.46	293.14
26 28 16 16-0570 EA 400 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	11,182.14	366.89
26 28 16 16-0571 EA 600 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	12,092.59	588.13
<b>26 28 16 16-0572 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0561)</small>		
26 28 16 16-0573 EA 30 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,790.69	165.18
26 28 16 16-0574 EA 60 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,217.11	215.58
26 28 16 16-0575 EA 100 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,115.67	281.69
26 28 16 16-0576 EA 200 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	4,518.24	366.31
26 28 16 16-0577 EA 400 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	7,723.72	458.61
26 28 16 16-0578 EA 600 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	8,947.39	734.95
<b>26 28 16 16-0579 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0561)</small>		
26 28 16 16-0580 EA 60 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,198.30	123.27
26 28 16 16-0581 EA 100 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,832.26	161.07
26 28 16 16-0582 EA 200 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,361.81	209.49
26 28 16 16-0583 EA 400 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	6,513.09	261.96
26 28 16 16-0584 EA 600 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	8,681.66	420.09
<b>26 28 16 16-0585 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0561)</small>		
26 28 16 16-0586 EA 60 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,347.10	172.44
26 28 16 16-0587 EA 100 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,040.67	225.27
26 28 16 16-0588 EA 200 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,684.01	293.14
26 28 16 16-0589 EA 400 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	7,038.03	366.89
26 28 16 16-0590 EA 600 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	9,428.83	588.13
<b>26 28 16 16-0591 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0561)</small>		
26 28 16 16-0592 EA 60 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,235.75	215.58
26 28 16 16-0593 EA 100 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,124.22	281.69
26 28 16 16-0594 EA 200 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	4,636.94	366.31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0595 EA 400 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	7,709.70	458.61
26 28 16 16-0596 EA 600 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	9,024.64	734.95
<b>26 28 16 16-0597 NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0486)</b>		
<b>26 28 16 16-0598 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0597)</b>		
26 28 16 16-0599 EA 30 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,445.00	94.37
26 28 16 16-0600 EA 60 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,631.68	123.20
26 28 16 16-0601 EA 100 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,839.48	160.99
26 28 16 16-0602 EA 200 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,532.50	209.35
26 28 16 16-0603 EA 400 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	4,772.62	262.03
26 28 16 16-0604 EA 600 Amp, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	6,987.62	419.94
<b>26 28 16 16-0605 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0597)</b>		
26 28 16 16-0606 EA 30 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,653.03	132.08
26 28 16 16-0607 EA 60 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,950.18	172.44
26 28 16 16-0608 EA 100 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,307.76	225.27
26 28 16 16-0609 EA 200 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,224.21	293.14
26 28 16 16-0610 EA 400 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	5,929.40	366.89
26 28 16 16-0611 EA 600 Amp, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	7,802.60	588.13
<b>26 28 16 16-0612 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0597)</b>		
26 28 16 16-0613 EA 30 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,479.96	165.18
26 28 16 16-0614 EA 60 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,894.54	215.58
26 28 16 16-0615 EA 100 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,972.87	281.69
26 28 16 16-0616 EA 200 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	5,401.76	366.31
26 28 16 16-0617 EA 400 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	10,069.24	458.61
26 28 16 16-0618 EA 600 Amp, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	12,459.17	734.95
<b>26 28 16 16-0619 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0597)</b>		
26 28 16 16-0620 EA 60 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,165.03	123.20
26 28 16 16-0621 EA 100 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,266.72	160.99
26 28 16 16-0622 EA 200 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	4,327.73	209.35
26 28 16 16-0623 EA 400 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	6,257.89	262.03
26 28 16 16-0624 EA 600 Amp, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	8,380.98	419.94
<b>26 28 16 16-0625 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0597)</b>		
26 28 16 16-0626 EA 60 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,364.55	172.44
26 28 16 16-0627 EA 100 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,497.91	225.27
26 28 16 16-0628 EA 200 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	4,700.61	293.14
26 28 16 16-0629 EA 400 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	6,769.15	366.89
26 28 16 16-0630 EA 600 Amp, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	9,112.00	588.13
<b>26 28 16 16-0631 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches (26 28 16 16-0597)</b>		
26 28 16 16-0632 EA 60 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,924.92	215.58
26 28 16 16-0633 EA 100 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	4,197.01	281.69
26 28 16 16-0634 EA 200 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	5,533.87	366.31
26 28 16 16-0635 EA 400 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	10,353.60	458.61
26 28 16 16-0636 EA 600 Amp, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	12,836.09	734.95
<b>26 28 16 16-0637 Removal And Reinstallation Of Disconnect Switches (26 28 16 16-0001)</b>		
Note: Includes storage and cleaning.		
26 28 16 16-0638 EA Removal And Reinstallation Of Up To 100 Amp Safety Disconnect Switch.....	366.89	
26 28 16 16-0639 EA Removal And Reinstallation Of >100 To 200 Amp Safety Disconnect Switch .....	476.98	
26 28 16 16-0640 EA Removal And Reinstallation Of >200 To 300 Amp Safety Disconnect Switch .....	532.03	
26 28 16 16-0641 EA Removal And Reinstallation Of >300 To 400 Amp Safety Disconnect Switch .....	623.75	
<b>26 28 16 16-0642 Bolted Contact Switches (26 28 16 16)</b>		
Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the switch.		
<b>26 28 16 16-0643 Electrical Trip, Bolted Contact Switches (26 28 16 16-0642)</b>		
<b>26 28 16 16-0644 Top Feed, Electrical Trip, Bolted Contact Switches (26 28 16 16-0643)</b>		
26 28 16 16-0645 EA 800 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833T120480).....	5,756.47	733.77



**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0646	EA		1,200 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233T120480).....	6,233.99	880.54
26 28 16 16-0647	EA		1,600 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633T120480).....	6,785.83	1,027.29
26 28 16 16-0648	EA		2,000 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033T120480).....	7,167.81	1,174.05
26 28 16 16-0649	EA		2,500 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533T120480).....	8,094.75	1,320.80
26 28 16 16-0650	EA		3,000 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033T120480).....	10,147.00	1,467.55
26 28 16 16-0651	EA		4,000 Amp, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033T120480).....	13,671.15	1,761.06
<b>26 28 16 16-0652</b>			<b>Bottom Feed, Electrical Trip, Bolted Contact Switches</b> (26 28 16 16-0643)		
26 28 16 16-0653	EA		800 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833B120480).....	6,099.72	733.77
26 28 16 16-0654	EA		1,200 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233B120480).....	6,644.48	880.54
26 28 16 16-0655	EA		1,600 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633B120480).....	7,192.78	1,027.29
26 28 16 16-0656	EA		2,000 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033B120480).....	7,751.70	1,174.05
26 28 16 16-0657	EA		2,500 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533B120480).....	8,724.64	1,320.80
26 28 16 16-0658	EA		3,000 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033B120480).....	11,328.93	1,467.55
26 28 16 16-0659	EA		4,000 Amp, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033B120480).....	14,902.62	1,761.06
<b>26 28 16 16-0660</b>			<b>Manually Operated, Bolted Contact Switches</b> (26 28 16 16-0642)		
<b>26 28 16 16-0661</b>			<b>Top Feed, Manually Operated, Bolted Contact Switches</b> (26 28 16 16-0660)		
26 28 16 16-0662	EA		800 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833T480).....	4,213.59	733.77
26 28 16 16-0663	EA		1,200 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233T480).....	4,709.51	880.54
26 28 16 16-0664	EA		1,600 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633T480).....	5,234.45	1,027.29
26 28 16 16-0665	EA		2,000 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033T480).....	5,755.16	1,174.05
26 28 16 16-0666	EA		2,500 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533T480).....	6,311.24	1,320.80
26 28 16 16-0667	EA		3,000 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033T480).....	8,363.49	1,467.55
26 28 16 16-0668	EA		4,000 Amp, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033T480).....	11,845.18	1,761.06
<b>26 28 16 16-0669</b>			<b>Bottom Feed, Manually Operated, Bolted Contact Switches</b> (26 28 16 16-0660)		
26 28 16 16-0670	EA		800 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833B480).....	4,440.77	733.77
26 28 16 16-0671	EA		1,200 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233B480).....	5,052.77	880.54
26 28 16 16-0672	EA		1,600 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633B480).....	5,567.09	1,027.29
26 28 16 16-0673	EA		2,000 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033B480).....	6,194.67	1,174.05
26 28 16 16-0674	EA		2,500 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533B480).....	6,863.28	1,320.80
26 28 16 16-0675	EA		3,000 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033B480).....	9,456.95	1,467.55
26 28 16 16-0676	EA		4,000 Amp, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033B480).....	12,991.72	1,761.06
<b>26 29 Low-Voltage Controllers</b> (26 20)					
<b>26 29 13 Enclosed Controllers</b> (26 29)					
<b>26 29 13 13 Across-The-Line Motor Controllers</b> (26 29 13)					
<b>26 29 13 13-0001 Manual Motor Starters</b> (26 29 13 13)					
<b>26 29 13 13-0002 Fractional HP Manual Motor Starters</b> (26 29 13 13-0001)					
26 29 13 13-0003	EA		NEMA 1, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG1).....	175.49	36.76
			For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-2.83	
			For Oversized Enclosure, Add	28.46	
			For Pilot Light, Add	41.74	
26 29 13 13-0004	EA		NEMA 1, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG2).....	230.28	47.79
			For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-2.83	
			For Oversized Enclosure, Add	28.46	
			For Pilot Light, Add	41.74	
26 29 13 13-0005	EA		NEMA 1, 1 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG3).....	203.94	36.76
			For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-2.83	
			For Oversized Enclosure, Add	28.46	
			For Pilot Light, Add	41.74	
26 29 13 13-0006	EA		NEMA 1, 2 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG4).....	258.73	47.79
			For Flush Cover Plate In Lieu Of NEMA 1, Deduct	-2.83	
			For Oversized Enclosure, Add	28.46	
			For Pilot Light, Add	41.74	
26 29 13 13-0007	EA		NEMA 1, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG5).....	187.82	36.76
			For Oversized Enclosure, Add	28.46	
26 29 13 13-0008	EA		NEMA 1, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG6).....	246.40	47.79
			For Oversized Enclosure, Add	28.46	
26 29 13 13-0009	EA		NEMA 4, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW1).....	412.15	44.11
			For Pilot Light, Add	109.08	
26 29 13 13-0010	EA		NEMA 4, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW2).....	469.78	55.13
			For Pilot Light, Add	109.08	
26 29 13 13-0011	EA		NEMA 3R, 7 And 9, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR1).....	440.61	44.11



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0012 EA NEMA 3R, 7 And 9, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR2).....	495.39	55.13
<b>26 29 13 13-0013 Non Reversing Manual Motor Starters (26 29 13 13-0001)</b>		
26 29 13 13-0014 EA NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG1) .....	133.92	36.76
Note: NEMA 1 or flush cover plate installation.		
For Oversize Enclosure, Add	13.73	
For Pilot Light, Add	65.90	
26 29 13 13-0015 EA NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG2) .....	231.94	47.79
Note: NEMA 1 or flush cover plate installation.		
For Oversize Enclosure, Add	13.73	
For Pilot Light, Add	65.90	
26 29 13 13-0016 EA NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG5) .....	152.25	40.44
Note: NEMA 1 or flush cover plate installation.		
For Oversize Enclosure, Add	13.73	
For Pilot Light, Add	65.90	
26 29 13 13-0017 EA NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG6) .....	251.19	51.46
Note: NEMA 1 or flush cover plate installation.		
For Oversize Enclosure, Add	13.73	
For Pilot Light, Add	65.90	
26 29 13 13-0018 EA NEMA 1, Non Reversing, 2 Pole, Key Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG3) .....	160.46	36.76
Note: NEMA 1 or flush cover plate installation.		
For Oversize Enclosure, Add	13.73	
For Pilot Light, Add	65.90	
26 29 13 13-0019 EA NEMA 1, Non Reversing, 3 Pole, Key Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG4) .....	259.40	47.79
Note: NEMA 1 or flush cover plate installation.		
For Oversize Enclosure, Add	13.73	
For Pilot Light, Add	65.90	
26 29 13 13-0020 EA NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW1).....	375.61	44.11
For Pilot Light, Add	104.34	
26 29 13 13-0021 EA NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW2).....	463.56	55.13
For Pilot Light, Add	104.34	
26 29 13 13-0022 EA NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW5).....	394.86	47.79
For Pilot Light, Add	104.34	
26 29 13 13-0023 EA NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW6).....	480.07	58.81
For Pilot Light, Add	104.34	
26 29 13 13-0024 EA NEMA 3R, 7 And 9, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR1).....	401.24	44.11
26 29 13 13-0025 EA NEMA 3R, 7 And 9, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR2).....	496.51	55.13
26 29 13 13-0026 EA Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO1) .....	99.05	25.73
For Pilot Light, Add	65.90	
26 29 13 13-0027 EA Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO2) .....	197.07	36.76
For Pilot Light, Add	65.90	
26 29 13 13-0028 EA Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO5) .....	117.39	29.41
For Pilot Light, Add	65.90	
26 29 13 13-0029 EA Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO6) .....	215.40	40.44
For Pilot Light, Add	65.90	
<b>26 29 13 13-0030 Reversing Manual Motor Starters (26 29 13 13-0001)</b>		
26 29 13 13-0031 EA NEMA 1, Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG11) .....	395.01	66.16
For Pilot Light, Add	106.17	
26 29 13 13-0032 EA NEMA 1, Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG22) .....	580.06	88.22
For Pilot Light, Add	106.17	
<b>26 29 13 13-0033 Two Speed Manual Motor Starters (26 29 13 13-0001)</b>		
26 29 13 13-0034 EA NEMA 1, Two Speed, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG11) .....	395.01	66.16
26 29 13 13-0035 EA NEMA 1, Two Speed, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG22) .....	580.06	88.22
<b>26 29 13 13-0036 Non-Reversing Integral HP Manual Motor Starters (26 29 13 13-0001)</b>		
26 29 13 13-0037 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG1) .....	379.44	44.11

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0038 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG1).....	379.44	44.11
26 29 13 13-0039 EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1).....	826.67	51.46
26 29 13 13-0040 EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1).....	826.67	51.46
26 29 13 13-0041 EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR1).....	1,096.05	51.46
26 29 13 13-0042 EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA1).....	488.04	51.46
26 29 13 13-0043 EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO1).....	328.92	33.09
26 29 13 13-0044 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG1).....	455.08	47.79
26 29 13 13-0045 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG1).....	455.08	47.79
26 29 13 13-0046 EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW11).....	996.22	55.13
26 29 13 13-0047 EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW1).....	996.22	55.13
26 29 13 13-0048 EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR1).....	1,286.47	55.13
26 29 13 13-0049 EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA1).....	563.69	55.13
26 29 13 13-0050 EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO1).....	404.57	36.76
26 29 13 13-0051 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG2).....	609.46	51.46
26 29 13 13-0052 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG2).....	609.46	51.46
26 29 13 13-0053 EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW12).....	1,191.39	58.81
26 29 13 13-0054 EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW2).....	1,191.39	58.81
26 29 13 13-0055 EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR2).....	1,469.31	58.81
26 29 13 13-0056 EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA2).....	720.92	58.81
26 29 13 13-0057 EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO2).....	561.78	40.44
26 29 13 13-0058 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG2).....	469.32	55.13
26 29 13 13-0059 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG2).....	469.32	55.13
26 29 13 13-0060 EA NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW12).....	916.56	62.48
26 29 13 13-0061 EA NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW2).....	916.56	62.48
26 29 13 13-0062 EA NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR2).....	1,193.53	62.48
26 29 13 13-0063 EA Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA2).....	578.88	62.48
26 29 13 13-0064 EA Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO2).....	421.66	44.11
26 29 13 13-0065 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG3).....	544.97	58.81
26 29 13 13-0066 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG3).....	544.97	58.81
26 29 13 13-0067 EA NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW13).....	1,086.11	66.16
26 29 13 13-0068 EA NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW3).....	1,086.11	66.16
26 29 13 13-0069 EA NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR3).....	1,383.00	66.16
26 29 13 13-0070 EA Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA3).....	653.58	66.16
26 29 13 13-0071 EA Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO3).....	494.45	47.79
<b>26 29 13 13-0072 Reversing Integral HP Manual Motor Starters (26 29 13 13-0001)</b>		
26 29 13 13-0073 EA NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBG1).....	1,148.95	77.19
26 29 13 13-0074 EA NEMA 1, Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511TBG1).....	1,148.95	77.19
26 29 13 13-0075 EA Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBO1).....	1,024.21	55.13
26 29 13 13-0076 EA NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCG1).....	1,365.68	84.54
26 29 13 13-0077 EA Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCO1).....	1,240.96	62.48
<b>26 29 13 13-0078 Two Speed Integral HP Manual Motor Starters (26 29 13 13-0001)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0079 EA NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBG1) .....	1,148.95	77.19
26 29 13 13-0080 EA Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBO1) .....	1,024.21	55.13
26 29 13 13-0081 EA NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCG1) .....	1,365.68	84.54
26 29 13 13-0082 EA Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCO1) .....	1,240.96	62.48
<b>26 29 13 13-0083 Magnetic Motor Starters <small>(26 29 13 13)</small></b>		
<b>26 29 13 13-0084 Non Reversing, Magnetic Contactors <small>(26 29 13 13-0083)</small></b>		
<b>26 29 13 13-0085 Open Enclosure, Non Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small></b>		
26 29 13 13-0086 EA Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO11) .....	419.26	73.51
<i>For Factory Installed Accessory, Deduct</i>	<i>-147.03</i>	
26 29 13 13-0087 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO12) .....	473.80	80.86
<i>For Factory Installed Accessory, Deduct</i>	<i>-161.73</i>	
26 29 13 13-0088 EA Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO5) .....	459.10	73.51
<i>For Factory Installed Accessory, Deduct</i>	<i>-147.03</i>	
26 29 13 13-0089 EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO1) .....	514.59	80.86
<i>For Factory Installed Accessory, Deduct</i>	<i>-161.73</i>	
26 29 13 13-0090 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO2) .....	569.12	88.22
<i>For Factory Installed Accessory, Deduct</i>	<i>-176.43</i>	
26 29 13 13-0091 EA Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO3) .....	720.43	110.27
<i>For Factory Installed Accessory, Deduct</i>	<i>-220.55</i>	
26 29 13 13-0092 EA Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO4) .....	913.45	132.33
<i>For Factory Installed Accessory, Deduct</i>	<i>-264.65</i>	
26 29 13 13-0093 EA Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO5) .....	540.20	80.86
<i>For Factory Installed Accessory, Deduct</i>	<i>-161.73</i>	
26 29 13 13-0094 EA Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO1) .....	594.73	88.22
<i>For Factory Installed Accessory, Deduct</i>	<i>-176.43</i>	
26 29 13 13-0095 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO2) .....	651.18	95.57
<i>For Factory Installed Accessory, Deduct</i>	<i>-191.14</i>	
26 29 13 13-0096 EA Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO3) .....	825.47	128.65
<i>For Factory Installed Accessory, Deduct</i>	<i>-257.30</i>	
26 29 13 13-0097 EA Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO4) .....	1,017.56	150.70
<i>For Factory Installed Accessory, Deduct</i>	<i>-301.41</i>	
26 29 13 13-0098 EA Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO1) .....	960.87	88.22
<i>For Factory Installed Accessory, Deduct</i>	<i>-176.43</i>	
26 29 13 13-0099 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO2) .....	1,057.16	110.27
<i>For Factory Installed Accessory, Deduct</i>	<i>-220.55</i>	
26 29 13 13-0100 EA Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO3) .....	1,374.44	147.03
<i>For Factory Installed Accessory, Deduct</i>	<i>-294.06</i>	
26 29 13 13-0101 EA Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO1) .....	1,463.13	110.27
<i>For Factory Installed Accessory, Deduct</i>	<i>-220.55</i>	
26 29 13 13-0102 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO2) .....	1,645.73	147.03
<i>For Factory Installed Accessory, Deduct</i>	<i>-294.06</i>	
26 29 13 13-0103 EA Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO3) .....	2,096.75	183.79
<i>For Factory Installed Accessory, Deduct</i>	<i>-367.57</i>	
26 29 13 13-0104 EA Size 3, 3 Phase, 5 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO4) .....	3,035.34	220.55
<i>For Factory Installed Accessory, Deduct</i>	<i>-441.09</i>	
26 29 13 13-0105 EA Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO1) .....	3,366.84	183.79
<i>For Factory Installed Accessory, Deduct</i>	<i>-367.57</i>	
26 29 13 13-0106 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO2) .....	3,684.14	220.55
<i>For Factory Installed Accessory, Deduct</i>	<i>-441.09</i>	
26 29 13 13-0107 EA Size 4, 3 Phase, 4 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO3) .....	5,026.80	257.30
<i>For Factory Installed Accessory, Deduct</i>	<i>-514.61</i>	
26 29 13 13-0108 EA Size 5, 1 Phase, 2 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO1) .....	6,940.47	220.55
<i>For Factory Installed Accessory, Deduct</i>	<i>-441.09</i>	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0109	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO2).....	7,655.67	294.06
			<i>For Factory Installed Accessory, Deduct</i>	-588.12	
26 29 13 13-0110	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHO2).....	20,174.47	441.09
			<i>For Factory Installed Accessory, Deduct</i>	-882.18	
26 29 13 13-0111	EA		Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJO2).....	28,857.40	661.63
			<i>For Factory Installed Accessory, Deduct</i>	-1,323.27	
<b>26 29 13 13-0112</b>			<b>NEMA 1, Non Reversing, Magnetic Contactors</b> <small>(26 29 13 13-0084)</small>		
26 29 13 13-0113	EA		Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG11).....	448.66	73.51
			<i>For Factory Installed Accessory, Deduct</i>	-147.03	
26 29 13 13-0114	EA		Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG12).....	503.20	80.86
			<i>For Factory Installed Accessory, Deduct</i>	-161.73	
26 29 13 13-0115	EA		Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG5).....	488.50	73.51
			<i>For Factory Installed Accessory, Deduct</i>	-147.03	
26 29 13 13-0116	EA		Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG1).....	544.94	80.86
			<i>For Factory Installed Accessory, Deduct</i>	-161.73	
26 29 13 13-0117	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG2).....	599.48	88.22
			<i>For Factory Installed Accessory, Deduct</i>	-176.43	
26 29 13 13-0118	EA		Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG3).....	752.68	110.27
			<i>For Factory Installed Accessory, Deduct</i>	-220.55	
26 29 13 13-0119	EA		Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG4).....	946.65	132.33
			<i>For Factory Installed Accessory, Deduct</i>	-264.65	
26 29 13 13-0120	EA		Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG5).....	571.50	80.86
			<i>For Factory Installed Accessory, Deduct</i>	-161.73	
26 29 13 13-0121	EA		Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG1).....	627.93	88.22
			<i>For Factory Installed Accessory, Deduct</i>	-176.43	
26 29 13 13-0122	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG2).....	682.48	95.57
			<i>For Factory Installed Accessory, Deduct</i>	-191.14	
26 29 13 13-0123	EA		Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG3).....	857.72	128.65
			<i>For Factory Installed Accessory, Deduct</i>	-257.30	
26 29 13 13-0124	EA		Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG4).....	1,048.86	150.70
			<i>For Factory Installed Accessory, Deduct</i>	-301.41	
26 29 13 13-0125	EA		Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG1).....	1,101.25	88.22
			<i>For Factory Installed Accessory, Deduct</i>	-176.43	
26 29 13 13-0126	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG2).....	1,198.49	110.27
			<i>For Factory Installed Accessory, Deduct</i>	-220.55	
26 29 13 13-0127	EA		Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG3).....	1,514.83	147.03
			<i>For Factory Installed Accessory, Deduct</i>	-294.06	
26 29 13 13-0128	EA		Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG1).....	1,739.16	110.27
			<i>For Factory Installed Accessory, Deduct</i>	-220.55	
26 29 13 13-0129	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG2).....	1,920.80	147.03
			<i>For Factory Installed Accessory, Deduct</i>	-294.06	
26 29 13 13-0130	EA		Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG3).....	2,372.78	183.79
			<i>For Factory Installed Accessory, Deduct</i>	-367.57	
26 29 13 13-0131	EA		Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG1).....	3,938.81	183.79
			<i>For Factory Installed Accessory, Deduct</i>	-367.57	
26 29 13 13-0132	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG2).....	4,256.11	220.55
			<i>For Factory Installed Accessory, Deduct</i>	-441.09	
26 29 13 13-0133	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGG2).....	8,698.11	294.06
			<i>For Factory Installed Accessory, Deduct</i>	-588.12	
26 29 13 13-0134	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHG2).....	24,758.75	441.09
			<i>For Factory Installed Accessory, Deduct</i>	-882.18	
26 29 13 13-0135	EA		Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJO2).....	33,454.96	661.63
			<i>For Factory Installed Accessory, Deduct</i>	-1,323.27	
<b>26 29 13 13-0136</b>			<b>NEMA 12, Non Reversing, Magnetic Contactors</b> <small>(26 29 13 13-0084)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0137 EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA1) .....	707.14	80.86
<i>For Factory Installed Accessory, Deduct</i>	-161.73	
26 29 13 13-0138 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA2) .....	761.68	88.22
<i>For Factory Installed Accessory, Deduct</i>	-176.43	
26 29 13 13-0139 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCA2) .....	844.68	95.57
<i>For Factory Installed Accessory, Deduct</i>	-191.14	
26 29 13 13-0140 EA Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA1) .....	1,397.20	88.22
<i>For Factory Installed Accessory, Deduct</i>	-176.43	
26 29 13 13-0141 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA2) .....	1,495.38	110.27
<i>For Factory Installed Accessory, Deduct</i>	-220.55	
26 29 13 13-0142 EA Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA1) .....	2,090.12	110.27
<i>For Factory Installed Accessory, Deduct</i>	-220.55	
26 29 13 13-0143 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA2) .....	2,270.81	147.03
<i>For Factory Installed Accessory, Deduct</i>	-294.06	
26 29 13 13-0144 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFA2) .....	5,418.06	220.55
<i>For Factory Installed Accessory, Deduct</i>	-441.09	
26 29 13 13-0145 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGA2) .....	11,671.77	294.06
<i>For Factory Installed Accessory, Deduct</i>	-588.12	
26 29 13 13-0146 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHA2) .....	28,404.93	441.09
<i>For Factory Installed Accessory, Deduct</i>	-882.18	
<b>26 29 13 13-0147 NEMA 4/4X, Non Reversing, Magnetic Contactors</b> <small>(26 29 13 13-0084)</small>		
Note: Brushed stainless steel enclosure.		
26 29 13 13-0148 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBW12) .....	1,072.80	88.22
<i>For Factory Installed Accessory, Deduct</i>	-176.43	
26 29 13 13-0149 EA Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW11) .....	1,114.53	88.22
<i>For Factory Installed Accessory, Deduct</i>	-176.43	
26 29 13 13-0150 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW12) .....	1,169.08	95.57
<i>For Factory Installed Accessory, Deduct</i>	-191.14	
26 29 13 13-0151 EA Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW13) .....	1,344.32	128.65
<i>For Factory Installed Accessory, Deduct</i>	-257.30	
26 29 13 13-0152 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDW12) .....	2,171.69	110.27
<i>For Factory Installed Accessory, Deduct</i>	-220.55	
26 29 13 13-0153 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEW12) .....	3,298.08	147.03
<i>For Factory Installed Accessory, Deduct</i>	-294.06	
26 29 13 13-0154 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SF12) .....	6,607.53	220.55
<i>For Factory Installed Accessory, Deduct</i>	-441.09	
26 29 13 13-0155 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGW12) .....	11,671.77	294.06
<i>For Factory Installed Accessory, Deduct</i>	-588.12	
26 29 13 13-0156 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHW2) .....	31,512.34	441.09
<i>For Factory Installed Accessory, Deduct</i>	-882.18	
<b>26 29 13 13-0157 NEMA 7/9, Non Reversing, Magnetic Contactors</b> <small>(26 29 13 13-0084)</small>		
Note: Bolted cast iron enclosure.		
26 29 13 13-0158 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 7/9 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBT2) .....	2,198.72	117.63
<i>For Factory Installed Accessory, Deduct</i>	-235.25	
<b>26 29 13 13-0159 Non Reversing, Magnetic Starters</b> <small>(26 29 13 13-0083)</small>		
<b>26 29 13 13-0160 Open Enclosure, Non Reversing, Magnetic Starters</b> <small>(26 29 13 13-0159)</small>		
26 29 13 13-0161 EA Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO11) .....	513.17	73.51
<i>For Factory Installed Accessory, Deduct</i>	-147.03	
26 29 13 13-0162 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO12) .....	527.87	80.86
<i>For Factory Installed Accessory, Deduct</i>	-161.73	
26 29 13 13-0163 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO1) .....	574.34	80.86
<i>For Factory Installed Accessory, Deduct</i>	-161.73	
26 29 13 13-0164 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO2) .....	636.47	88.22
<i>For Factory Installed Accessory, Deduct</i>	-176.43	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0165	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBO4) .....	1,032.02	132.33
		<i>For Factory Installed Accessory, Deduct</i>	-264.65	
26 29 13 13-0166	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO1) .....	657.34	88.22
		<i>For Factory Installed Accessory, Deduct</i>	-176.43	
26 29 13 13-0167	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO3) .....	779.23	95.57
		<i>For Factory Installed Accessory, Deduct</i>	-191.14	
26 29 13 13-0168	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO2) .....	819.07	95.57
		<i>For Factory Installed Accessory, Deduct</i>	-191.14	
26 29 13 13-0169	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO6) .....	1,047.19	88.22
		<i>For Factory Installed Accessory, Deduct</i>	-176.43	
26 29 13 13-0170	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO1) .....	1,179.52	110.27
		<i>For Factory Installed Accessory, Deduct</i>	-220.55	
26 29 13 13-0171	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEO1) .....	1,847.76	147.03
		<i>For Factory Installed Accessory, Deduct</i>	-294.06	
26 29 13 13-0172	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFO1) .....	3,995.26	220.55
		<i>For Factory Installed Accessory, Deduct</i>	-441.09	
26 29 13 13-0173	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGO1) .....	9,269.13	294.06
		<i>For Factory Installed Accessory, Deduct</i>	-588.12	
26 29 13 13-0174	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHO2) .....	21,518.55	441.09
		<i>For Factory Installed Accessory, Deduct</i>	-882.18	
26 29 13 13-0175	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SJO2) .....	30,974.54	661.63
		<i>For Factory Installed Accessory, Deduct</i>	-1,323.27	
<b>26 29 13 13-0176</b>		<b>NEMA 1, Non Reversing, Magnetic Starters</b> <small>(26 29 13 13-0159)</small>		
26 29 13 13-0177	EA	Size 00, 1 Phase, 2 Pole, .34 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG11) .....	544.47	73.51
		<i>For Factory Installed Accessory, Deduct</i>	-147.03	
26 29 13 13-0178	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG12) .....	559.17	80.86
		<i>For Factory Installed Accessory, Deduct</i>	-161.73	
26 29 13 13-0179	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG1) .....	605.65	80.86
		<i>For Factory Installed Accessory, Deduct</i>	-161.73	
26 29 13 13-0180	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG2) .....	667.77	88.22
		<i>For Factory Installed Accessory, Deduct</i>	-176.43	
26 29 13 13-0181	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG1) .....	687.69	88.22
		<i>For Factory Installed Accessory, Deduct</i>	-176.43	
26 29 13 13-0182	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG3) .....	750.78	95.57
		<i>For Factory Installed Accessory, Deduct</i>	-191.14	
26 29 13 13-0183	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG2) .....	851.32	95.57
		<i>For Factory Installed Accessory, Deduct</i>	-191.14	
26 29 13 13-0184	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG6) .....	1,188.52	88.22
		<i>For Factory Installed Accessory, Deduct</i>	-176.43	
26 29 13 13-0185	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG1) .....	1,320.85	110.27
		<i>For Factory Installed Accessory, Deduct</i>	-220.55	
26 29 13 13-0186	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEG1) .....	2,123.79	147.03
		<i>For Factory Installed Accessory, Deduct</i>	-294.06	
26 29 13 13-0187	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFG1) .....	4,567.23	220.55
		<i>For Factory Installed Accessory, Deduct</i>	-441.09	
26 29 13 13-0188	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGG1) .....	10,314.42	294.06
		<i>For Factory Installed Accessory, Deduct</i>	-588.12	
<b>26 29 13 13-0189</b>		<b>NEMA 12, Non Reversing, Magnetic Starters</b> <small>(26 29 13 13-0159)</small>		
26 29 13 13-0190	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA1) .....	767.85	80.86
		<i>For Factory Installed Accessory, Deduct</i>	-161.73	
26 29 13 13-0191	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA2) .....	829.97	88.22
		<i>For Factory Installed Accessory, Deduct</i>	-176.43	
26 29 13 13-0192	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA1) .....	849.89	88.22
		<i>For Factory Installed Accessory, Deduct</i>	-176.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0193 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA3).....	912.98	95.57
<i>For Factory Installed Accessory, Deduct</i>	-191.14	
26 29 13 13-0194 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA2).....	1,013.52	95.57
<i>For Factory Installed Accessory, Deduct</i>	-191.14	
26 29 13 13-0195 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA6).....	1,485.41	88.22
<i>For Factory Installed Accessory, Deduct</i>	-176.43	
26 29 13 13-0196 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA1).....	1,616.80	110.27
<i>For Factory Installed Accessory, Deduct</i>	-220.55	
26 29 13 13-0197 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEA1).....	2,473.80	147.03
<i>For Factory Installed Accessory, Deduct</i>	-294.06	
26 29 13 13-0198 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFA1).....	5,728.24	220.55
<i>For Factory Installed Accessory, Deduct</i>	-441.09	
26 29 13 13-0199 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGA1).....	13,285.24	294.06
<i>For Factory Installed Accessory, Deduct</i>	-588.12	
26 29 13 13-0200 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHA2).....	31,924.95	441.09
<i>For Factory Installed Accessory, Deduct</i>	-882.18	
<b>26 29 13 13-0201 NEMA 3R, Non Reversing, Magnetic Starters</b> <small>(26 29 13 13-0199)</small>		
26 29 13 13-0202 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH1).....	767.85	80.86
<i>For Factory Installed Accessory, Deduct</i>	-161.73	
26 29 13 13-0203 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH2).....	829.97	88.22
<i>For Factory Installed Accessory, Deduct</i>	-176.43	
26 29 13 13-0204 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH1).....	849.89	88.22
<i>For Factory Installed Accessory, Deduct</i>	-176.43	
26 29 13 13-0205 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH3).....	912.98	95.57
<i>For Factory Installed Accessory, Deduct</i>	-191.14	
26 29 13 13-0206 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH2).....	1,013.52	95.57
<i>For Factory Installed Accessory, Deduct</i>	-191.14	
26 29 13 13-0207 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH6).....	1,485.41	88.22
<i>For Factory Installed Accessory, Deduct</i>	-176.43	
26 29 13 13-0208 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH1).....	1,616.80	110.27
<i>For Factory Installed Accessory, Deduct</i>	-220.55	
26 29 13 13-0209 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEH1).....	2,473.80	147.03
<i>For Factory Installed Accessory, Deduct</i>	-294.06	
26 29 13 13-0210 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFH1).....	5,728.24	220.55
<i>For Factory Installed Accessory, Deduct</i>	-441.09	
<b>26 29 13 13-0211 NEMA 3R/4/4X/7/9, Non Reversing, Magnetic Starters</b> <small>(26 29 13 13-0199)</small>		
Note: Bolted cast aluminum enclosure.		
26 29 13 13-0212 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT4).....	2,289.30	124.98
<i>For Factory Installed Accessory, Deduct</i>	-249.95	
26 29 13 13-0213 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR1).....	2,841.35	124.98
<i>For Factory Installed Accessory, Deduct</i>	-249.95	
26 29 13 13-0214 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR3).....	2,924.35	132.33
<i>For Factory Installed Accessory, Deduct</i>	-264.65	
26 29 13 13-0215 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDR1).....	4,588.09	147.03
<i>For Factory Installed Accessory, Deduct</i>	-294.06	
26 29 13 13-0216 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SET43).....	5,526.66	183.79
<i>For Factory Installed Accessory, Deduct</i>	-367.57	
26 29 13 13-0217 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFT41).....	8,840.87	257.30
<i>For Factory Installed Accessory, Deduct</i>	-514.61	
<b>26 29 13 13-0218 NEMA 4/4X, Non Reversing, Magnetic Starters</b> <small>(26 29 13 13-0199)</small>		
Note: Brushed stainless steel enclosure.		
26 29 13 13-0219 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW11).....	1,078.02	80.86
<i>For Factory Installed Accessory, Deduct</i>	-161.73	



**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0220	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW12).....	1,141.09	88.22
			<i>For Factory Installed Accessory, Deduct</i>	-176.43	
26 29 13 13-0221	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW11).....	1,174.29	88.22
			<i>For Factory Installed Accessory, Deduct</i>	-176.43	
26 29 13 13-0222	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW13).....	1,237.38	95.57
			<i>For Factory Installed Accessory, Deduct</i>	-191.14	
26 29 13 13-0223	EA		Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 7-1/2 HP At 460/575 Volt, 36 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW12).....	1,337.92	95.57
			<i>For Factory Installed Accessory, Deduct</i>	-191.14	
26 29 13 13-0224	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW16).....	2,159.82	88.22
			<i>For Factory Installed Accessory, Deduct</i>	-176.43	
26 29 13 13-0225	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW11).....	3,500.12	147.03
			<i>For Factory Installed Accessory, Deduct</i>	-294.06	
26 29 13 13-0226	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW11).....	6,916.75	220.55
			<i>For Factory Installed Accessory, Deduct</i>	-441.09	
26 29 13 13-0227	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGW11).....	15,570.26	294.06
			<i>For Factory Installed Accessory, Deduct</i>	-588.12	
<b>26 29 13 13-0228</b>			<b>NEMA 4X, Non Reversing, Magnetic Starters</b> <small>(26 29 13 13-0159)</small>		
			Note: Glass polyester enclosure.		
26 29 13 13-0229	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW21).....	2,294.05	110.27
			<i>For Factory Installed Accessory, Deduct</i>	-220.55	
26 29 13 13-0230	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW21).....	4,302.58	147.03
			<i>For Factory Installed Accessory, Deduct</i>	-294.06	
26 29 13 13-0231	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW21).....	8,536.85	220.55
			<i>For Factory Installed Accessory, Deduct</i>	-441.09	
<b>26 29 13 13-0232</b>			<b>NEMA 7/9, Non Reversing, Magnetic Starters</b> <small>(26 29 13 13-0159)</small>		
			Note: Bolted cast iron enclosure.		
26 29 13 13-0233	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT1).....	2,218.64	117.63
			<i>For Factory Installed Accessory, Deduct</i>	-235.25	
26 29 13 13-0234	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT2).....	2,289.30	124.98
			<i>For Factory Installed Accessory, Deduct</i>	-249.95	
26 29 13 13-0235	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT1).....	2,323.45	124.98
			<i>For Factory Installed Accessory, Deduct</i>	-249.95	
26 29 13 13-0236	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT3).....	2,390.32	132.33
			<i>For Factory Installed Accessory, Deduct</i>	-264.65	
26 29 13 13-0237	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 36 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT2).....	2,506.04	132.33
			<i>For Factory Installed Accessory, Deduct</i>	-264.65	
26 29 13 13-0238	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDT1).....	3,730.61	147.03
			<i>For Factory Installed Accessory, Deduct</i>	-294.06	
<b>26 29 13 13-0239</b>			<b>Reversing, Magnetic Starters</b> <small>(26 29 13 13-0083)</small>		
<b>26 29 13 13-0240</b>			<b>Open Enclosure, Reversing, Magnetic Starters</b> <small>(26 29 13 13-0239)</small>		
26 29 13 13-0241	EA		Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO13).....	1,009.73	95.57
			<i>For Factory Installed Accessory, Deduct</i>	-191.14	
26 29 13 13-0242	EA		Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO16).....	1,069.49	95.57
			<i>For Factory Installed Accessory, Deduct</i>	-191.14	
26 29 13 13-0243	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO1).....	1,186.63	102.92
			<i>For Factory Installed Accessory, Deduct</i>	-205.84	
26 29 13 13-0244	EA		Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO2).....	1,227.90	110.27
			<i>For Factory Installed Accessory, Deduct</i>	-220.55	
26 29 13 13-0245	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO10).....	1,261.10	110.27
			<i>For Factory Installed Accessory, Deduct</i>	-220.55	
26 29 13 13-0246	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO2).....	1,349.78	117.63
			<i>For Factory Installed Accessory, Deduct</i>	-235.25	
26 29 13 13-0247	EA		Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO3).....	1,400.29	128.65
			<i>For Factory Installed Accessory, Deduct</i>	-257.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0248 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SC07).....	1,434.43	128.65
<i>For Factory Installed Accessory, Deduct</i>	-257.30	
26 29 13 13-0249 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDO1).....	2,522.17	147.03
<i>For Factory Installed Accessory, Deduct</i>	-294.06	
26 29 13 13-0250 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEO1).....	4,142.28	220.55
<i>For Factory Installed Accessory, Deduct</i>	-441.09	
26 29 13 13-0251 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFO1).....	9,701.19	330.82
<i>For Factory Installed Accessory, Deduct</i>	-661.63	
26 29 13 13-0252 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SGO1).....	18,248.94	441.09
<i>For Factory Installed Accessory, Deduct</i>	-882.18	
26 29 13 13-0253 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SJO1).....	59,715.22	808.66
<i>For Factory Installed Accessory, Deduct</i>	-1,617.33	
<b>26 29 13 13-0254 NEMA 1, Reversing, Magnetic Starters</b> <small>(26 29 13 13-0239)</small>		
26 29 13 13-0255 EA Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG13).....	1,051.93	88.22
<i>For Factory Installed Accessory, Deduct</i>	-176.43	
26 29 13 13-0256 EA Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG15).....	1,095.10	95.57
<i>For Factory Installed Accessory, Deduct</i>	-191.14	
26 29 13 13-0257 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG16).....	1,129.24	95.57
<i>For Factory Installed Accessory, Deduct</i>	-191.14	
26 29 13 13-0258 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG1).....	1,243.54	102.92
<i>For Factory Installed Accessory, Deduct</i>	-205.84	
26 29 13 13-0259 EA Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG2).....	1,286.71	110.27
<i>For Factory Installed Accessory, Deduct</i>	-220.55	
26 29 13 13-0260 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG4).....	1,320.85	110.27
<i>For Factory Installed Accessory, Deduct</i>	-220.55	
26 29 13 13-0261 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG2).....	1,435.15	117.63
<i>For Factory Installed Accessory, Deduct</i>	-235.25	
26 29 13 13-0262 EA Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG6).....	1,485.66	128.65
<i>For Factory Installed Accessory, Deduct</i>	-257.30	
26 29 13 13-0263 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG8).....	1,519.80	128.65
<i>For Factory Installed Accessory, Deduct</i>	-257.30	
26 29 13 13-0264 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDG2).....	2,744.13	147.03
<i>For Factory Installed Accessory, Deduct</i>	-294.06	
26 29 13 13-0265 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEG2).....	4,526.44	220.55
<i>For Factory Installed Accessory, Deduct</i>	-441.09	
26 29 13 13-0266 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG3).....	10,406.90	330.82
<i>For Factory Installed Accessory, Deduct</i>	-661.63	
<b>26 29 13 13-0267 NEMA 12, Reversing, Magnetic Starters</b> <small>(26 29 13 13-0239)</small>		
26 29 13 13-0268 EA Size 0, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA2).....	1,529.53	110.27
<i>For Factory Installed Accessory, Deduct</i>	-220.55	
26 29 13 13-0269 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA4).....	1,563.68	110.27
<i>For Factory Installed Accessory, Deduct</i>	-220.55	
26 29 13 13-0270 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCA4).....	1,762.63	128.65
<i>For Factory Installed Accessory, Deduct</i>	-257.30	
26 29 13 13-0271 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDA1).....	3,150.10	147.03
<i>For Factory Installed Accessory, Deduct</i>	-294.06	
<b>26 29 13 13-0272 NEMA 4X, Reversing, Magnetic Starters</b> <small>(26 29 13 13-0239)</small>		
Note: Brushed stainless steel enclosure.		
26 29 13 13-0273 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBW14).....	1,941.20	110.27
<i>For Factory Installed Accessory, Deduct</i>	-220.55	
26 29 13 13-0274 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCW11).....	2,300.21	117.63
<i>For Factory Installed Accessory, Deduct</i>	-235.25	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0275			<b>Magnetic Contactor/Starters Accessories</b> <small>(26 29 13 13-0083)</small>		
26 29 13 13-0276	EA		NEMA 1 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA2) ..... 143.85 <i>For Factory Installed Accessory, Deduct</i> -18.38	143.85	9.19
26 29 13 13-0277	EA		NEMA 12 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA3) ..... 250.94 <i>For Factory Installed Accessory, Deduct</i> -18.38	250.94	9.19
26 29 13 13-0278	EA		NEMA 1 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC2) ..... 143.85 <i>For Factory Installed Accessory, Deduct</i> -18.38	143.85	9.19
26 29 13 13-0279	EA		NEMA 12 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC8) ..... 250.94 <i>For Factory Installed Accessory, Deduct</i> -18.38	250.94	9.19
26 29 13 13-0280	EA		NEMA 1 And 12 Enclosure Red Pilot Light Kit, Contactor/Starter Accessory (Square D 9999SP2R) ..... 250.94 <i>For Factory Installed Accessory, Deduct</i> -18.38	250.94	9.19
26 29 13 13-0281	EA		Internal Nonconvertible Contact Block Kit, 1 Contact, Contactor/Starter Accessory (Square D 9999SX11) ..... 121.78 <i>For Factory Installed Accessory, Deduct</i> -14.70	121.78	7.35
26 29 13 13-0282	EA		External Convertible Field Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX6) ..... 107.72 <i>For Factory Installed Accessory, Deduct</i> -14.70	107.72	7.35
26 29 13 13-0283	EA		External Convertible Field Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX8) ..... 143.85 <i>For Factory Installed Accessory, Deduct</i> -18.38	143.85	9.19
26 29 13 13-0284	EA		External Field Non Convertible Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX13) ..... 121.78 <i>For Factory Installed Accessory, Deduct</i> -14.70	121.78	7.35
26 29 13 13-0285	EA		External Field Non Convertible Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX15) ..... 163.32 <i>For Factory Installed Accessory, Deduct</i> -18.38	163.32	9.19
26 29 13 13-0286	EA		30 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB6) ..... 185.60 <i>For Factory Installed Accessory, Deduct</i> -14.70	185.60	7.35
26 29 13 13-0287	EA		45 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB11) ..... 325.14 <i>For Factory Installed Accessory, Deduct</i> -14.70	325.14	7.35
26 29 13 13-0288	EA		60 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB21) ..... 345.69 <i>For Factory Installed Accessory, Deduct</i> -14.70	345.69	7.35
26 29 13 13-0289	EA		30 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB8) ..... 413.19 <i>For Factory Installed Accessory, Deduct</i> -18.38	413.19	9.19
26 29 13 13-0290	EA		45 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB13) ..... 727.95 <i>For Factory Installed Accessory, Deduct</i> -18.38	727.95	9.19
26 29 13 13-0291	EA		60 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB23) ..... 727.95 <i>For Factory Installed Accessory, Deduct</i> -18.38	727.95	9.19
26 29 13 13-0292	EA		Adapter Bracket For Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SBT1) ..... 39.27 <i>For Factory Installed Accessory, Deduct</i> -11.03	39.27	5.51
26 29 13 13-0293	EA		1 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF3) ..... 83.93 <i>For Factory Installed Accessory, Deduct</i> -14.70	83.93	7.35
26 29 13 13-0294	EA		2 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF4) ..... 111.40 <i>For Factory Installed Accessory, Deduct</i> -18.38	111.40	9.19
26 29 13 13-0295	EA		Transient Suppression Module, Contactor/Starter Accessory (Square D 9999ST1) ..... 85.44 <i>For Factory Installed Accessory, Deduct</i> -18.38	85.44	9.19
26 29 13 13-0296	EA		Terminal Block, Contactor/Starter Accessory (Square D 9999T7) ..... 47.06 <i>For Factory Installed Accessory, Deduct</i> -11.03	47.06	5.51
26 29 13 13-0297	EA		Closing Plate For NEMA 1 Enclosures, Contactor/Starter Accessory (Square D 9999SG1) ..... 26.51 <i>For Factory Installed Accessory, Deduct</i> -11.03	26.51	5.51
26 29 13 13-0298	EA		1 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R39) ..... 160.72 <i>For Factory Installed Accessory, Deduct</i> -14.70	160.72	7.35
26 29 13 13-0299	EA		2 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R40) ..... 281.22 <i>For Factory Installed Accessory, Deduct</i> -18.38	281.22	9.19
26 29 13 13-0300			<b>Definite Purpose Starters</b> <small>(26 29 13 13)</small>		
26 29 13 13-0301			<b>Open Enclosure, Definite Purpose Starter</b> <small>(26 29 13 13-0300)</small>		
26 29 13 13-0302	EA		Open Enclosure, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO13) ..... 458.15 <i>For Factory Installed Accessory, Deduct</i> -176.43	458.15	88.22
26 29 13 13-0303	EA		Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO22) ..... 457.20 <i>For Factory Installed Accessory, Deduct</i> -176.43	457.20	88.22
26 29 13 13-0304	EA		Open Enclosure, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO23) ..... 494.67 <i>For Factory Installed Accessory, Deduct</i> -191.14	494.67	95.57
26 29 13 13-0305	EA		Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO32) ..... 492.29 <i>For Factory Installed Accessory, Deduct</i> -176.43	492.29	88.22
26 29 13 13-0306	EA		Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO33) ..... 535.46 <i>For Factory Installed Accessory, Deduct</i> -191.14	535.46	95.57
26 29 13 13-0307	EA		Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO42) ..... 522.65 <i>For Factory Installed Accessory, Deduct</i> -176.43	522.65	88.22
26 29 13 13-0308	EA		Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO43) ..... 599.02 <i>For Factory Installed Accessory, Deduct</i> -220.55	599.02	110.27
26 29 13 13-0309	EA		Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO52) ..... 677.74 <i>For Factory Installed Accessory, Deduct</i> -220.55	677.74	110.27
26 29 13 13-0310	EA		Open Enclosure, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO53) ..... 862.47 <i>For Factory Installed Accessory, Deduct</i> -257.30	862.47	128.65



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				<b>26 29 13 13-0311 NEMA 1, Definite Purpose Starter</b> <small>(26 29 13 13-0300)</small>		
				26 29 13 13-0312 EA NEMA 1, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG12) .....	476.64	80.86
				<i>For Factory Installed Accessory, Deduct</i> .....	-161.73	
				26 29 13 13-0313 EA NEMA 1, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG13) .....	514.11	88.22
				<i>For Factory Installed Accessory, Deduct</i> .....	-176.43	
				26 29 13 13-0314 EA NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG22) .....	512.21	88.22
				<i>For Factory Installed Accessory, Deduct</i> .....	-176.43	
				26 29 13 13-0315 EA NEMA 1, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG23) .....	552.53	95.57
				<i>For Factory Installed Accessory, Deduct</i> .....	-191.14	
				26 29 13 13-0316 EA NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG32) .....	548.26	88.22
				<i>For Factory Installed Accessory, Deduct</i> .....	-176.43	
				26 29 13 13-0317 EA NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG33) .....	592.37	95.57
				<i>For Factory Installed Accessory, Deduct</i> .....	-191.14	
				26 29 13 13-0318 EA NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG42) .....	580.51	88.22
				<i>For Factory Installed Accessory, Deduct</i> .....	-176.43	
				26 29 13 13-0319 EA NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG43) .....	655.93	110.27
				<i>For Factory Installed Accessory, Deduct</i> .....	-220.55	
				26 29 13 13-0320 EA NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG52) .....	731.81	110.27
				<i>For Factory Installed Accessory, Deduct</i> .....	-220.55	
				26 29 13 13-0321 EA NEMA 1, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG53) .....	917.48	128.65
				<i>For Factory Installed Accessory, Deduct</i> .....	-257.30	
				<b>26 29 13 13-0322 Definite Purpose Starter Accessory</b> <small>(26 29 13 13-0300)</small>		
				26 29 13 13-0323 EA Start-Stop Push Button Kit, Definite Purpose Starter Accessory .....	163.32	9.19
				Note: Or Hand-Off-Auto Selector Switch Kit		
				<i>For Factory Installed Accessory, Deduct</i> .....	-18.38	
				<b>26 29 13 13-0324 Panel Mounted Miniature Contactor</b> <small>(26 29 13 13)</small>		
				<b>26 29 13 13-0325 Non Reversing, Panel Mounted Miniature Contactor</b> <small>(26 29 13 13-0324)</small>		
				26 29 13 13-0326 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	127.58	36.76
				26 29 13 13-0327 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	152.00	40.44
				26 29 13 13-0328 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	152.00	40.44
				26 29 13 13-0329 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	169.79	44.11
				26 29 13 13-0330 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	144.65	36.76
				26 29 13 13-0331 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K) .....	154.14	36.76
				26 29 13 13-0332 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	168.13	40.44
				26 29 13 13-0333 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K) .....	177.61	40.44
				26 29 13 13-0334 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	173.82	40.44
				26 29 13 13-0335 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K) .....	177.61	40.44
				26 29 13 13-0336 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	188.76	44.11
				26 29 13 13-0337 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	183.30	40.44
				26 29 13 13-0338 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K) .....	198.25	44.11

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0339 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	185.20	40.44
26 29 13 13-0340 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	185.20	40.44
26 29 13 13-0341 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	207.74	44.11
26 29 13 13-0342 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	207.74	44.11
<b>26 29 13 13-0343 Reversing, Panel Mounted Miniature Contactor</b> <small>(26 29 13 13-0324)</small>		
26 29 13 13-0344 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	196.82	36.76
26 29 13 13-0345 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	215.79	36.76
26 29 13 13-0346 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	239.27	40.44
26 29 13 13-0347 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	239.27	40.44
26 29 13 13-0348 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	258.24	40.44
26 29 13 13-0349 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	269.39	44.11
26 29 13 13-0350 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	269.39	44.11
26 29 13 13-0351 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	231.92	36.76
26 29 13 13-0352 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	250.89	36.76
26 29 13 13-0353 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	272.46	40.44
26 29 13 13-0354 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	291.44	40.44
26 29 13 13-0355 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	308.28	44.11
26 29 13 13-0356 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	327.25	44.11
26 29 13 13-0357 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	262.03	40.44
26 29 13 13-0358 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	306.61	40.44
26 29 13 13-0359 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	348.12	44.11
<b>26 29 13 13-0360 Panel Mounted Miniature Contactor Accessories</b> <small>(26 29 13 13-0324)</small>		
26 29 13 13-0361 EA 2 Auxiliary Contacts, 10 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA1KN02).....	51.65	18.38
26 29 13 13-0362 EA 4 Auxiliary Contacts, 10 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA1KN40).....	58.98	18.38
26 29 13 13-0363 EA Electronic Time Delay Contact, 2 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA2KT2U).....	72.24	18.38
26 29 13 13-0364 EA Overload Relay, Panel Mounted Miniature Contactor Accessory (Square D LR2K0301).....	98.61	18.38
<b>26 29 13 13-0365 Reduced Voltage Auto Transformer Type 240-600 Volt, 3 Pole</b> <small>(26 29 13 13)</small>		
<b>26 29 13 13-0366 NEMA 1 Enclosure</b> <small>(26 29 13 13-0365)</small>		
26 29 13 13-0367 EA Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	4,966.38	352.21
For NEMA 4, Add	530.87	
26 29 13 13-0368 EA Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	8,698.17	469.62
For NEMA 4, Add	969.68	
26 29 13 13-0369 EA Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	15,270.27	557.67
For NEMA 4, Add	1,769.81	
26 29 13 13-0370 EA Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	37,348.18	682.41
For NEMA 4, Add	4,498.67	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Low-Voltage Electrical Distribution</b>	<b>26 20</b>	
<b>Low-Voltage Controllers</b>	<b>26 29</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0371 EA Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing ..... <i>For NEMA 4, Add</i>	59,620.70 7,234.20	873.20
<b>26 29 13 13-0372 NEMA 12 Enclosure</b> <small>(26 29 13 13-0365)</small>		
26 29 13 13-0373 EA Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing .....	4,931.01	359.70
26 29 13 13-0374 EA Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing .....	8,633.56	470.35
26 29 13 13-0375 EA Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing .....	15,152.34	555.91
26 29 13 13-0376 EA Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing .....	37,048.41	679.41
26 29 13 13-0377 EA Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing .....	59,138.65	873.56
<b>26 29 13 13-0378 Factory Modifications Pilot Devices</b> <small>(26 29 13 13-0365)</small>		
26 29 13 13-0379 EA Start-Stop Push-button, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	125.08	
26 29 13 13-0380 EA H-O-A Select Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	137.94	
26 29 13 13-0381 EA Forward-Reverse-Stop, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	234.81	
26 29 13 13-0382 EA Pilot Light, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	127.58	
26 29 13 13-0383 EA Fused Control Circuit, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	183.44	
26 29 13 13-0384 EA Auxiliary Interlock, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device .....	91.72	
26 29 13 13-0385 EA Auxiliary Relay, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device .....	299.37	
<b>26 29 13 13-0386 Factory Modifications Meters</b> <small>(26 29 13 13-0365)</small>		
26 29 13 13-0387 EA Ammeter And Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter .....	1,203.39	
26 29 13 13-0388 EA Voltmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter .....	1,162.31	
26 29 13 13-0389 EA Wattmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter.....	410.91	
26 29 13 13-0390 EA Elapsed-time Meter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter .....	340.48	
<b>26 29 13 13-0391 Factory Modifications Main Circuit Breakers</b> <small>(26 29 13 13-0365)</small>		
26 29 13 13-0392 EA Reduced Voltage Auto Transformer Starter, Size 3, Circuit Breaker, Factory Modification Main Circuit Breaker.....	1,590.45	
26 29 13 13-0393 EA Reduced Voltage Auto Transformer Starter, Size 4, Circuit Breaker, Factory Modification Main Circuit Breaker.....	2,908.75	
26 29 13 13-0394 EA Reduced Voltage Auto Transformer Starter, Size 5-7, Circuit Breaker, Factory Modification Main Circuit Breaker.....	6,187.18	
<b>26 29 13 13-0395 Factory Modifications Addition</b> <small>(26 29 13 13-0365)</small>		
Note: For reversing service auto transformer type.		
26 29 13 13-0396 EA Reduced Voltage Auto Transformer Starter, Size 3, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase .....	267.10	
26 29 13 13-0397 EA Reduced Voltage Auto Transformer Starter, Size 4, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase .....	267.10	
26 29 13 13-0398 EA Reduced Voltage Auto Transformer Starter, Size 5, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase .....	267.10	
26 29 13 13-0399 EA Reduced Voltage Auto Transformer Starter, Size 6, 7, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase .....	267.10	
<b>26 29 13 13-0400 Combination Starters Non-Reversing</b> <small>(26 29 13 13)</small>		
<b>26 29 13 13-0401 240-600 Volts, 3-Pole</b> <small>(26 29 13 13-0400)</small>		
<b>26 29 13 13-0402 NEMA 1 With Disconnect Switch</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0403 EA Combination Starter, Size 0, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	1,407.15	168.77
<i>For Electronic Overloads, Add</i>	202.81	
26 29 13 13-0404 EA Combination Starter, Size 1, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	1,657.81	264.16
<i>For Electronic Overloads, Add</i>	213.96	
26 29 13 13-0405 EA Combination Starter, Size 2, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	2,394.46	308.19
<i>For Electronic Overloads, Add</i>	338.76	
26 29 13 13-0406 EA Combination Starter, Size 3, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	3,732.06	381.56
<i>For Electronic Overloads, Add</i>	563.86	
26 29 13 13-0407 EA Combination Starter, Size 4, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	6,947.25	609.04
<i>For Electronic Overloads, Add</i>	1,087.62	
26 29 13 13-0408 EA Combination Starter, Size 5, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	14,380.98	763.13
<i>For Electronic Overloads, Add</i>	2,441.93	
<b>26 29 13 13-0409 NEMA 1 With Circuit Breaker</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0410 EA Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	1,829.43	168.77
<i>For Electronic Overloads, Add</i>	283.05	
26 29 13 13-0411 EA Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,080.09	264.16
<i>For Electronic Overloads, Add</i>	294.19	
26 29 13 13-0412 EA Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,805.02	308.19
<i>For Electronic Overloads, Add</i>	416.77	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0413 EA Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	3,954.94 606.21	381.56
26 29 13 13-0414 EA Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	8,225.83 1,330.55	609.04
26 29 13 13-0415 EA Combination Starter, Size 5, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	17,770.97 3,086.03	763.13
<b>26 29 13 13-0416 Factory Modifications For NEMA 1 Enclosure</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0417 EA Start-Stop Push-button, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	192.30	
26 29 13 13-0418 EA H-O-A Select Switch, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	451.68	
26 29 13 13-0419 EA Pilot Light, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	311.73	
<b>26 29 13 13-0420 NEMA 4 With Disconnect Switch</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0421 EA Combination Starter, Size 0, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	2,646.47 416.77	220.14
26 29 13 13-0422 EA Combination Starter, Size 1, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	2,863.67 427.91	308.19
26 29 13 13-0423 EA Combination Starter, Size 2, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	4,198.46 668.62	337.53
26 29 13 13-0424 EA Combination Starter, Size 3, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	6,809.39 1,138.88	410.92
26 29 13 13-0425 EA Combination Starter, Size 4, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	10,818.18 1,823.09	609.04
26 29 13 13-0426 EA Combination Starter, Size 5, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	24,257.72 4,318.51	763.13
<b>26 29 13 13-0427 NEMA 4 With Circuit Breaker</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0428 EA Combination Starter, Size 0, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	3,068.75 497.00	220.14
26 29 13 13-0429 EA Combination Starter, Size 1, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	3,285.95 508.15	308.19
26 29 13 13-0430 EA Combination Starter, Size 2, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	4,609.01 746.62	337.53
26 29 13 13-0431 EA Combination Starter, Size 3, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	7,032.26 1,181.22	410.92
26 29 13 13-0432 EA Combination Starter, Size 4, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	12,096.76 2,066.02	609.04
26 29 13 13-0433 EA Combination Starter, Size 5, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	22,932.22 4,066.67	763.13
<b>26 29 13 13-0434 Factory Modifications For NEMA 4 Enclosure</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0435 EA Start-Stop Push-button, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	192.33	
26 29 13 13-0436 EA H-O-A Select Switch, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	451.68	
26 29 13 13-0437 EA Pilot Light, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	311.73	
<b>26 29 13 13-0438 NEMA 12 With Disconnect Switch</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0439 EA Combination Starter, Size 0, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	1,460.52 212.95	169.87
26 29 13 13-0440 EA Combination Starter, Size 1, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	1,714.11 224.65	265.85
26 29 13 13-0441 EA Combination Starter, Size 2, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	2,483.61 355.70	305.76
26 29 13 13-0442 EA Combination Starter, Size 3, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	3,880.45 592.06	382.15
26 29 13 13-0443 EA Combination Starter, Size 4, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	7,233.45 1,141.99	611.53
26 29 13 13-0444 EA Combination Starter, Size 5, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	15,023.58 2,564.03	764.30
<b>26 29 13 13-0445 NEMA 12 With Circuit Breaker</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0446 EA Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	1,964.76 308.76	169.87
26 29 13 13-0447 EA Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	2,220.74 320.91	265.85
26 29 13 13-0448 EA Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	3,004.27 454.63	305.76
26 29 13 13-0449 EA Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	4,244.76 661.28	382.15
26 29 13 13-0450 EA Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	8,861.95 1,451.41	611.53
26 29 13 13-0451 EA Combination Starter, Size 5, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	19,246.38 3,366.36	764.30
<b>26 29 13 13-0452 Factory Modifications For NEMA 12 Enclosure</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0453 EA Start-Stop Push-button, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	190.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0454 EA H-O-A Select Switch, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	447.92	
26 29 13 13-0455 EA Pilot Light, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	309.14	
<b>26 29 13 13-0456 NEMA 7 Or 9 With Circuit Breaker</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0457 EA Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,531.30	352.21
26 29 13 13-0458 EA Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	4,787.59	469.62
26 29 13 13-0459 EA Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	5,144.61	645.72
26 29 13 13-0460 EA Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	7,679.82	880.54
26 29 13 13-0461 EA Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	11,613.79	1,232.75
<b>26 29 13 13-0462 Factory Modifications For NEMA 7 Or 9 Enclosure</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0463 EA Start-Stop Push-button, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,143.66	
26 29 13 13-0464 EA H-O-A Select Switch, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,143.66	
26 29 13 13-0465 EA Pilot Light, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,143.66	
<b>26 29 13 13-0466 Combination Starters Reversing</b> <small>(26 29 13 13)</small>		
<b>26 29 13 13-0467 240-600 Volt, 3 Pole</b> <small>(26 29 13 13-0466)</small>		
<b>26 29 13 13-0468 NEMA 1 With Disconnect Switch</b> <small>(26 29 13 13-0467)</small>		
26 29 13 13-0469 EA Combination Starter, Size 0, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	1,724.98	220.14
26 29 13 13-0470 EA Combination Starter, Size 1, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	1,968.72	308.19
26 29 13 13-0471 EA Combination Starter, Size 2, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	2,948.10	337.53
26 29 13 13-0472 EA Combination Starter, Size 3, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	4,574.65	410.92
26 29 13 13-0473 EA Combination Starter, Size 4, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	9,096.57	609.04
<b>26 29 13 13-0474 NEMA 1 With Circuit Breaker</b> <small>(26 29 13 13-0467)</small>		
26 29 13 13-0475 EA Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	1,947.79	220.14
26 29 13 13-0476 EA Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,206.56	308.19
26 29 13 13-0477 EA Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,226.52	337.53
26 29 13 13-0478 EA Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,191.34	410.92
26 29 13 13-0479 EA Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	9,849.68	609.04
<b>26 29 13 13-0480 NEMA 12 With Disconnect Switch</b> <small>(26 29 13 13-0467)</small>		
26 29 13 13-0481 EA Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	1,854.55	226.51
26 29 13 13-0482 EA Combination Starter, Size 1, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	2,106.96	305.76
26 29 13 13-0483 EA Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	3,179.18	339.74
26 29 13 13-0484 EA Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	4,957.57	407.69
26 29 13 13-0485 EA Combination Starter, Size 4, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	9,898.55	611.53
<b>26 29 13 13-0486 NEMA 12 With Circuit Breaker</b> <small>(26 29 13 13-0467)</small>		
26 29 13 13-0487 EA Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,100.05	226.51
26 29 13 13-0488 EA Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,369.02	305.76
26 29 13 13-0489 EA Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,485.96	339.74
26 29 13 13-0490 EA Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,535.21	407.69
26 29 13 13-0491 EA Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	10,728.36	611.53
<b>26 29 13 13-0492 NEMA 7 Or 9 With Circuit Breaker</b> <small>(26 29 13 13-0467)</small>		
26 29 13 13-0493 EA Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,262.09	469.62
26 29 13 13-0494 EA Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,539.71	587.02
26 29 13 13-0495 EA Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	6,566.32	763.13
26 29 13 13-0496 EA Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	10,551.67	997.93
26 29 13 13-0497 EA Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	19,488.00	1,350.15
<b>26 29 13 13-0498 Solid State Motor Controllers</b> <small>(26 29 13 13)</small>		
<b>26 29 13 13-0499 Adjustable Voltage Drives, DC Motors</b> <small>(26 29 13 13-0498)</small>		
26 29 13 13-0500 EA 0.5-1.5 HP DC Solid State Motor Controller, Reversing With Dynamic Braking.....	1,395.86	132.08
26 29 13 13-0501 EA 0.5-2.0 HP DC Solid State Motor Controller, Non-Reversing With Dynamic Braking.....	1,707.63	132.08
<b>26 29 13 13-0502 Removal And Reinstallation Of Motor Starters</b> <small>(26 29 13 13)</small>		
Note: Includes storage and cleaning.		
26 29 13 13-0503 EA Removal And Reinstallation Of Up To 25 HP Motor Starter With Disconnect.....	524.12	
<b>26 29 13 13-0504 Auxiliary Devices</b> <small>(26 29 13 13)</small>		
26 29 13 13-0505 EA Auxiliary Contact, Normally Open.....	389.49	73.38
26 29 13 13-0506 EA Auxiliary Contact, Normally Closed.....	389.49	73.38
26 29 13 13-0507 EA Pilot Light Kit.....	413.99	73.38





MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

### 26 29 23 Variable-Frequency Motor Controllers <sup>(26 29)</sup>

#### 26 29 23 00-0001 208/230 Volt Variable Frequency Drives <sup>(26 29 23)</sup>

Note: 1 or 3 phase. Wall mounted. ABB ACH550 or ACS550 Series. Includes full voltage bypass. NEMA 1 enclosure.

26 29 23 00-0002	EA	3/4 HP, 208/230 Volt Variable Frequency Drive .....	1,221.68	148.80
26 29 23 00-0003	EA	1 HP, 208/230 Volt Variable Frequency Drive .....	1,370.17	148.80
26 29 23 00-0004	EA	1-1/2 HP, 208/230 Volt Variable Frequency Drive .....	1,592.48	148.80
26 29 23 00-0005	EA	2 HP, 208/230 Volt Variable Frequency Drive .....	1,738.37	148.80
26 29 23 00-0006	EA	3 HP, 208/230 Volt Variable Frequency Drive .....	1,832.16	148.80
26 29 23 00-0007	EA	5 HP, 208/230 Volt Variable Frequency Drive .....	1,888.73	148.80
26 29 23 00-0008	EA	7.5 HP, 208/230 Volt Variable Frequency Drive .....	2,106.05	223.63
26 29 23 00-0009	EA	10 HP, 208/230 Volt Variable Frequency Drive .....	2,562.41	223.63
26 29 23 00-0010	EA	15 HP, 208/230 Volt Variable Frequency Drive .....	3,104.04	297.50
26 29 23 00-0011	EA	20 HP, 208/230 Volt Variable Frequency Drive .....	3,590.28	297.50
26 29 23 00-0012	EA	25 HP, 208/230 Volt Variable Frequency Drive .....	4,467.32	372.35
26 29 23 00-0013	EA	30 HP, 208/230 Volt Variable Frequency Drive .....	5,568.16	372.35
26 29 23 00-0014	EA	40 HP, 208/230 Volt Variable Frequency Drive .....	6,797.01	437.20
26 29 23 00-0015	EA	50 HP, 208/230 Volt Variable Frequency Drive .....	7,642.06	522.72
26 29 23 00-0016	EA	60 HP, 208/230 Volt Variable Frequency Drive .....	8,718.05	558.88
26 29 23 00-0017	EA	75 HP, 208/230 Volt Variable Frequency Drive .....	10,212.53	522.72

#### 26 29 23 00-0018 460/480 Volt Variable Frequency Drives <sup>(26 29 23)</sup>

Note: 3 Phase. ABB ACH550 or ACS550 Series. Includes full voltage bypass. NEMA 1 enclosure.

26 29 23 00-0019	EA	3 HP, 480 Volt Variable Frequency Drive .....	1,653.01	130.63
		Note: Wall mounted.		
26 29 23 00-0020	EA	5 HP, 480 Volt Variable Frequency Drive .....	1,773.98	148.80
		Note: Wall mounted.		
26 29 23 00-0021	EA	7.5 HP, 480 Volt Variable Frequency Drive .....	1,886.34	223.63
		Note: Wall mounted.		
26 29 23 00-0022	EA	10 HP, 480 Volt Variable Frequency Drive .....	2,091.68	223.64
		Note: Wall mounted.		
26 29 23 00-0023	EA	15 HP, 480 Volt Variable Frequency Drive .....	2,642.92	297.50
		Note: Wall mounted.		
26 29 23 00-0024	EA	20 HP, 480 Volt Variable Frequency Drive .....	3,089.44	297.52
		Note: Wall mounted.		
26 29 23 00-0025	EA	25 HP, 480 Volt Variable Frequency Drive .....	3,878.54	372.36
		Note: Wall mounted.		
26 29 23 00-0026	EA	30 HP, 480 Volt Variable Frequency Drive .....	4,427.09	372.35
		Note: Wall mounted.		
26 29 23 00-0027	EA	40 HP, 480 Volt Variable Frequency Drive .....	5,312.91	437.20
		Note: Wall mounted.		
26 29 23 00-0028	EA	50 HP, 480 Volt Variable Frequency Drive .....	6,289.96	522.72
		Note: Wall mounted.		
26 29 23 00-0029	EA	60 HP, 480 Volt Variable Frequency Drive .....	7,307.76	558.88
		Note: Wall mounted.		
26 29 23 00-0030	EA	75 HP, 480 Volt Variable Frequency Drive .....	8,272.58	595.04
		Note: Wall mounted.		
26 29 23 00-0031	EA	100 HP, 480 Volt Variable Frequency Drive .....	9,888.43	631.03
		Note: Wall mounted.		
26 29 23 00-0032	EA	125 HP, 480 Volt Variable Frequency Drive .....	11,729.95	666.48
		Note: Wall mounted.		
26 29 23 00-0033	EA	150 HP, 480 Volt Variable Frequency Drive .....	13,497.19	744.66
		Note: Floor mounted.		
26 29 23 00-0034	EA	200 HP, 480 Volt Variable Frequency Drive .....	18,150.41	816.43
		Note: Floor mounted.		
26 29 23 00-0035	EA	250 HP, 480 Volt Variable Frequency Drive .....	23,361.16	888.61
		Note: Floor mounted.		
26 29 23 00-0036	EA	300 HP, 480 Volt Variable Frequency Drive .....	27,508.00	1,041.36
		Note: Floor mounted.		
26 29 23 00-0037	EA	350 HP, 480 Volt Variable Frequency Drive .....	31,947.27	1,179.60
		Note: Floor mounted.		
26 29 23 00-0038	EA	400 HP, 480 Volt Variable Frequency Drive .....	37,402.06	1,332.96
		Note: Floor mounted.		
26 29 23 00-0039	EA	450 HP, 480 Volt Variable Frequency Drive .....	40,370.99	1,497.67
		Note: Floor mounted.		

### 26 29 33 Controllers for Fire Pump Drivers <sup>(26 29)</sup>

#### 26 29 33 13 Full-Service Controllers for Fire Pump Electric-Motor Drivers <sup>(26 29 33)</sup>

##### 26 29 33 13-0001 Electric Controllers For Fire Pumps <sup>(26 29 33 13)</sup>

##### 26 29 33 13-0002 Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller <sup>(26 29 33 13-0001)</sup>

26 29 33 13-0003	EA	30 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch .....	19,084.20	138.77
26 29 33 13-0004	EA	40 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch .....	21,608.32	154.19
26 29 33 13-0005	EA	50 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch .....	22,650.07	169.61
26 29 33 13-0006	EA	75 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch .....	25,832.16	185.03
26 29 33 13-0007	EA	150 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch .....	27,280.38	215.87
26 29 33 13-0008	EA	175 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch .....	29,042.39	277.54
26 29 33 13-0009	EA	200 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch .....	31,473.80	308.39



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 33 13-0010 EA 250 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch .....	35,997.11	351.55
26 29 33 13-0011 EA 300 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch .....	43,413.94	379.31
26 29 33 13-0012 EA 350 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch .....	51,031.37	431.73
26 29 33 13-0013 EA 400 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch .....	60,924.94	462.57
26 29 33 13-0014 EA 500 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch .....	68,801.72	493.41

**26 29 33 19 Controllers for Fire Pump Diesel Engine Drivers** (26 29 33)  
See CSI section 26 29 33 13-0000 for controllers for fire pump diesel engine drivers.

**26 30 Facility Electrical Power Generating And Storing Equipment**

**26 31 Photovoltaic Collectors** (26 30)

26 31 00 00-0001 Rigid Photovoltaic Modules (26 31)

26 31 00 00-0002 Sanyo Rigid Photovoltaic Modules (26 31 00 00-0001)

26 31 00 00-0003 EA 205 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.3% Module Efficiency (Sanyo HIP-205NHKA6).....	1,236.03	69.71
<i>For &gt;50, Deduct</i>	-109.66	
26 31 00 00-0004 EA 210 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.7% Module Efficiency (Sanyo HIP-210NHKA6).....	1,295.48	69.71
<i>For &gt;50, Deduct</i>	-115.61	
26 31 00 00-0005 EA 215 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 17.1% Module Efficiency (Sanyo HIP-215HNKA6).....	1,212.71	69.71
<i>For &gt;50, Deduct</i>	-107.33	

26 31 00 00-0006 Sharp Rigid Photovoltaic Modules (26 31 00 00-0001)

26 31 00 00-0007 EA 224 Watt Polycrystalline Photovoltaic Module, 64.6" x 39.1", 13.74% Module Efficiency (Sharp ND-224UC1).....	968.36	69.71
<i>For &gt;50, Deduct</i>	-82.89	
26 31 00 00-0008 EA 230 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.1% Module Efficiency (Sharp NU-U230F3).....	1,101.05	69.71
<i>For &gt;50, Deduct</i>	-96.16	
26 31 00 00-0009 EA 235 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.4% Module Efficiency (Sharp NU-U235F1).....	1,122.07	69.71
<i>For &gt;50, Deduct</i>	-98.27	
26 31 00 00-0010 EA 240 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.7% Module Efficiency (Sharp NU-U240F1).....	1,056.38	69.71
<i>For &gt;50, Deduct</i>	-91.70	

26 31 00 00-0011 BP Solar Rigid Photovoltaic Modules (26 31 00 00-0001)

Note: Approved for applications in NEC Class 1, Division 2, Groups C and D hazardous locations.

26 31 00 00-0012 EA 50 Watt Polycrystalline Photovoltaic Module, 33" x 21.1" (BP SX350J) .....	479.60	69.71
<i>For &gt;50, Deduct</i>	-34.02	
26 31 00 00-0013 EA 75 Watt Polycrystalline Photovoltaic Module, 47.6" x 21.14" (BP SX375J) .....	591.27	69.71
<i>For &gt;50, Deduct</i>	-45.19	
26 31 00 00-0014 EA 80 Watt Polycrystalline Photovoltaic Module, 47.6" x 20.9" (BP SX380J) .....	635.93	69.71
<i>For &gt;50, Deduct</i>	-49.65	

26 31 00 00-0015 Photovoltaic Inverters (26 31)

26 31 00 00-0016 Fronius Photovoltaic Inverters (26 31 00 00-0015)

26 31 00 00-0017 EA 3 KW Photovoltaic Inverter (Fronius IG Plus 3.0-1) .....	2,939.80	73.38
26 31 00 00-0018 EA 5 KW Photovoltaic Inverter (Fronius IG Plus 5.0-1) .....	3,876.40	73.38
26 31 00 00-0019 EA 6 KW Photovoltaic Inverter (Fronius IG Plus 6.0-1) .....	4,091.58	73.38
26 31 00 00-0020 EA 7.5 KW Photovoltaic Inverter (Fronius IG Plus 7.5-1) .....	4,574.37	73.38
26 31 00 00-0021 EA 10 KW Photovoltaic Inverter (Fronius IG Plus 10.0-1) .....	7,241.01	73.38
26 31 00 00-0022 EA 12 KW Photovoltaic Inverter (Fronius IG Plus 12.0-3-1) .....	8,416.49	73.38
26 31 00 00-0023 EA 11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3 Delta) .....	6,859.18	146.75
26 31 00 00-0024 EA 11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3) .....	8,678.79	146.75
26 31 00 00-0025 EA Inverter Display Stand (Fronius 4,045,894) .....	259.53	36.69

26 31 00 00-0026 SMA Photovoltaic Inverters (26 31 00 00-0015)

26 31 00 00-0027 EA 4 KW AC Photovoltaic Inverter (SMA Sunny Boy 4000TL-US-22).....	2,186.89	73.38
26 31 00 00-0028 EA 5 KW AC Photovoltaic Inverter (SMA Sunny Boy 5000TL-US-22).....	2,624.18	73.38
26 31 00 00-0029 EA 6 KW AC Photovoltaic Inverter (SMA Sunny Boy 6000TL-US-22).....	3,031.71	73.38
26 31 00 00-0030 EA 7 KW AC Photovoltaic Inverter (SMA Sunny Boy 7000TL-US-22).....	3,342.82	73.38
26 31 00 00-0031 EA 8 KW AC Photovoltaic Inverter (SMA Sunny Boy 8000TL-US-12).....	3,238.02	73.38

26 31 00 00-0032 PVPowered Photovoltaic Inverters (26 31 00 00-0015)

26 31 00 00-0033 EA 120 Volt, 1.1 KW Photovoltaic Inverter (PVPowered PVP1100) .....	2,702.07	73.38
26 31 00 00-0034 EA 240 Volt, 2 KW Photovoltaic Inverter (PVPowered PVP2000) .....	2,825.79	73.38
26 31 00 00-0035 EA 240 Volt, 2.5 KW Photovoltaic Inverter (PVPowered PVP2500) .....	3,121.68	73.38
26 31 00 00-0036 EA 240 Volt, 3.5 KW Photovoltaic Inverter (PVPowered PVP3500) .....	3,701.70	91.72
26 31 00 00-0037 EA 208 Volt, 4.6 KW Photovoltaic Inverter (PVPowered PVP4600) .....	4,513.06	110.07
26 31 00 00-0038 EA 240 Volt, 4.8 KW Photovoltaic Inverter (PVPowered PVP4800) .....	4,550.73	110.07
26 31 00 00-0039 EA 240 Volt, 5.2 KW Photovoltaic Inverter (PVPowered PVP5200) .....	4,801.41	110.07
26 31 00 00-0040 EA 208 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW).....	57,200.19	587.02
26 31 00 00-0041 EA 480 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW).....	57,275.85	587.02

**26 Electrical****26 30 Facility Electrical Power Generating And Storing Equipment****26 31 Photovoltaic Collectors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0042 EA 208 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW) .....	61,974.86	587.02
26 31 00 00-0043 EA 480 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW) .....	57,456.41	587.02
<b>26 31 00 00-0044 Solectria Photovoltaic Inverters (26 31 00 00-0015)</b>		
26 31 00 00-0045 EA 208 Or 480 Volt, 10 KW Photovoltaic Inverter (Solectria PVI) .....	9,007.65	146.75
26 31 00 00-0046 EA 208 Or 480 Volt, 13 KW Photovoltaic Inverter (Solectria PVI) .....	9,007.65	146.75
26 31 00 00-0047 EA 208 Volt, 15 KW, Photovoltaic Inverter (Solectria PVI) .....	9,270.83	146.75
26 31 00 00-0048 EA 480 Volt, 15 KW Photovoltaic Inverter (Solectria PVI) .....	9,270.83	146.75
26 31 00 00-0049 EA 208 Volt, 50 KW Photovoltaic Inverter (Solectria PVI) .....	28,221.88	440.26
26 31 00 00-0050 EA 480 Volt, 50 KW Photovoltaic Inverter (Solectria PVI) .....	26,905.99	440.26
26 31 00 00-0051 EA 208 Volt, 60 KW Photovoltaic Inverter (Solectria PVI) .....	30,853.67	440.26
26 31 00 00-0052 EA 480 Volt, 60 KW Photovoltaic Inverter (Solectria PVI) .....	30,122.62	440.26
26 31 00 00-0053 EA 208 Volt, 75 KW Photovoltaic Inverter (Solectria PVI) .....	32,754.41	440.26
26 31 00 00-0054 EA 480 Volt, 75 KW Photovoltaic Inverter (Solectria PVI) .....	31,292.30	440.26
26 31 00 00-0055 EA 208 Volt, 85 KW Photovoltaic Inverter (Solectria PVI) .....	34,510.02	587.02
26 31 00 00-0056 EA 480 Volt, 85 KW Photovoltaic Inverter (Solectria PVI) .....	32,901.71	587.02
26 31 00 00-0057 EA 208 Volt, 100 KW Photovoltaic Inverter (Solectria PVI) .....	35,825.91	587.02
26 31 00 00-0058 EA 480 Volt, 100 KW Photovoltaic Inverter (Solectria PVI) .....	33,925.18	587.02
<b>26 31 00 00-0059 Xantrex Photovoltaic Inverters (26 31 00 00-0015)</b>		
26 31 00 00-0060 EA 0.6 KW Photovoltaic Inverter (Xantrex 806-1206) .....	377.27	18.35
26 31 00 00-0061 EA 1 KW Photovoltaic Inverter (Xantrex 806-1210) .....	411.09	18.35
26 31 00 00-0062 EA 2 KW Photovoltaic Inverter (Xantrex 806-1220) .....	659.70	18.35
<b>26 31 00 00-0063 Photovoltaic DC-DC Converters (26 31)</b>		
26 31 00 00-0064 EA 15 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-20) .....	223.18	27.52
Note: Hazardous locations.		
26 31 00 00-0065 EA 20 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-23) .....	149.62	27.52
26 31 00 00-0066 EA 60 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-60) .....	412.36	27.52
<b>26 31 00 00-0067 Photovoltaic Combiner Boxes (26 31)</b>		
<b>26 31 00 00-0068 Midnight Solar Photovoltaic Combiner Boxes (26 31 00 00-0067)</b>		
26 31 00 00-0069 EA 3 - 150 Volt DC Breaker Or 3 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV3) .....	270.80	73.38
26 31 00 00-0070 EA 6 - 150 Volt DC Breaker Or 4 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV6) .....	263.98	73.38
26 31 00 00-0071 EA 12 - 150 Volt DC Breaker Or 10 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12) .....	419.49	110.07
26 31 00 00-0072 EA 6 - 300 Volt DC Breaker, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12-250) .....	421.88	110.07
26 31 00 00-0073 EA 16, 600 Volt DC Breakers, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV16) .....	642.87	110.07
<b>26 31 00 00-0074 SMA Photovoltaic Combiner Boxes (26 31 00 00-0067)</b>		
26 31 00 00-0075 EA 6 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCB-6) .....	592.35	73.38
26 31 00 00-0076 EA 12 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-12) .....	708.45	73.38
26 31 00 00-0077 EA 28 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-28) .....	1,372.53	146.75
26 31 00 00-0078 EA 52 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-52) .....	3,140.22	146.75
26 31 00 00-0079 EA 4 Input NEMA 3R, Steel Combination DC Disconnect And Photovoltaic Combiner Box (SMA Combi-Switch) .....	529.52	73.38
<b>26 31 00 00-0080 Photovoltaic Charge Controller (26 31)</b>		
26 31 00 00-0081 EA 35 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-35) .....	178.52	27.52
26 31 00 00-0082 EA 40 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-40) .....	237.63	27.52
26 31 00 00-0083 EA 60 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-60) .....	277.05	27.52
26 31 00 00-0084 EA Remote Digital Meter For Xantrex C-35, 40 And 60 .....	212.67	27.52
26 31 00 00-0085 EA MPPT Charge Controller (Xantrex XW SCC) .....	732.79	36.69
<b>26 31 00 00-0086 Photovoltaic Batteries (26 31)</b>		
<b>26 31 00 00-0087 Concorde Photovoltaic Batteries (26 31 00 00-0086)</b>		
26 31 00 00-0088 EA 34 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-340T) .....	163.80	11.01
26 31 00 00-0089 EA 45 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-420T) .....	206.57	14.68
26 31 00 00-0090 EA 49 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-490T) .....	223.71	14.68
26 31 00 00-0091 EA 56 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-560T) .....	256.70	22.02
26 31 00 00-0092 EA 69 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-690T) .....	292.15	22.02
26 31 00 00-0093 EA 89 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-890T) .....	346.74	25.68
26 31 00 00-0094 EA 104 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1040T) .....	397.57	29.35
26 31 00 00-0095 EA 108 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1080T) .....	393.06	29.35
26 31 00 00-0096 EA 210 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2120T) .....	719.53	34.86
26 31 00 00-0097 EA 255 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2580T) .....	831.90	36.69
<b>26 31 00 00-0098 Deka Photovoltaic Batteries (26 31 00 00-0086)</b>		
26 31 00 00-0099 EA 31 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8GU1) .....	172.07	18.38



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0100 EA 50 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G22NF) .....	236.44	18.38
26 31 00 00-0101 EA 74 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G24) .....	348.11	18.38
26 31 00 00-0102 EA 86 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G27) .....	398.03	18.38
26 31 00 00-0103 EA 98 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G31) .....	399.34	18.38
26 31 00 00-0104 EA 183 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G4D).....	772.43	18.38
26 31 00 00-0105 EA 225 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G8D).....	893.29	18.38
<b>26 31 00 00-0106 Battery Enclosures <small>(26 31 00 00-0086)</small></b>		
26 31 00 00-0107 EA 14" x 12" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge 55-2501-010).....	194.33	18.35
26 31 00 00-0108 EA 22" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS1GC) .....	947.15	18.38
26 31 00 00-0109 EA 37" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS2GCL) .....	890.66	18.38
26 31 00 00-0110 EA 37" x 16" x 14.5" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS4GC) .....	1,186.25	18.38
26 31 00 00-0111 EA 15" x 17.1" x 8.4" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSLCF1) .....	529.40	18.38
26 31 00 00-0112 EA 31" x 36" x 14" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSBR827BP) .....	1,242.74	18.38
<b>26 31 00 00-0113 Photovoltaic System Monitoring <small>(26 31)</small></b>		
26 31 00 00-0114 EA Solar Inverter Monitor (Xantrex 864-0203) .....	409.95	36.69
26 31 00 00-0115 EA Photovoltaic System Monitoring, Remote Diagnosis, Data Storage Communication Hub (SMA Sunny WebBox) .....	843.63	18.35
26 31 00 00-0116 EA Sun Radiation And Temperature Monitor (SMA Sunny SensorBox).....	705.07	18.35
26 31 00 00-0117 EA PT100 Ambient Temperature Sensor For Sunny SensorBox (SMA) .....	131.04	18.35
26 31 00 00-0118 EA Wind Sensor Accessory For Sunny SensorBox (SMA).....	323.35	36.69
26 31 00 00-0119 EA Sunny Boy Control with RS485 (SMA) .....	829.84	18.35
26 31 00 00-0120 EA RS 485 Module (SMA) .....	189.59	18.35
26 31 00 00-0121 EA RS 232 Module (SMA) .....	194.33	18.35
26 31 00 00-0122 EA Wireless Monitor with Bluetooth (SMA Sunny Beam) .....	364.64	
26 31 00 00-0123 EA Bluetooth Piggy-Back Computer Card (SMA) .....	196.89	18.35
26 31 00 00-0124 EA RS485-N Communication Computer Card (SMA).....	195.57	18.35
26 31 00 00-0125 EA Bluetooth Repeater (SMA).....	368.35	18.35
26 31 00 00-0126 EA Sunny Boy PC Service Cable (SMA) .....	174.81	5.50
26 31 00 00-0127 EA Integrated Revenue Grade Meter, Option (PVPowered) .....	3,369.64	
26 31 00 00-0128 EA Data Monitoring Module (PVPowered PVM1010).....	367.58	18.35
26 31 00 00-0129 EA Wireless IG Personal Display (Fronius 4,240,108).....	370.40	
26 31 00 00-0130 EA DatCom Power Supply (Fronius 43,0001,2311) .....	120.67	
26 31 00 00-0131 EA Wireless Card For IG Personal Display (Fronius 4,240,008,Z).....	219.27	18.35
26 31 00 00-0132 EA Retrofit Solar Inverter Interface And Power Supply Option Communication Card (Fronius 4,240,001,Z).....	185.64	18.35
26 31 00 00-0133 EA Datalogger Pro Box (Fronius 4,240,102) .....	726.75	18.35
26 31 00 00-0134 EA Datalogger Easy Box (Fronius 4,240,103).....	473.02	18.35
26 31 00 00-0135 EA Datalogger Interface Box (Fronius 4,240,105).....	820.39	18.35
26 31 00 00-0136 EA Datalogger Web (Fronius 4,240,122).....	1,409.18	18.35
26 31 00 00-0137 EA Interface Box (Fronius 4,240,109) .....	379.18	18.35
26 31 00 00-0138 EA Interface Card (Fronius 4,240,009,Z).....	270.77	18.35
26 31 00 00-0139 EA Interface Card Easy (Fronius 4,240,013,Z).....	178.81	18.35
26 31 00 00-0140 EA Sensor Box (Fronius 4,240,104) .....	758.99	18.35
26 31 00 00-0141 EA Ambient Temperature Sensor (Fronius 43,0001,1188).....	84.84	18.35
26 31 00 00-0142 EA Irradiance Sensor (Fronius 43,0001,1188) .....	264.10	18.35
26 31 00 00-0143 EA Module Temperature Sensor (Fronius 43,0001,1190).....	294.04	18.35
26 31 00 00-0144 EA Wind Speed Sensor (Fronius 42,0411,0027).....	156.71	36.69
<b>26 31 00 00-0145 Photovoltaic System Accessories <small>(26 31)</small></b>		
26 31 00 00-0146 EA Four Inverter Bypass Switch (OutBack AC-IOB-100Q).....	561.06	36.69
26 31 00 00-0147 EA Line Communication Filter (Enphase LCF).....	1,222.67	73.38
26 31 00 00-0148 EA 15 Meter RS 485 Communication Cable (SMA) .....	93.77	5.50
26 31 00 00-0149 EA 15 Meter RS 232 Communication Cable (SMA) .....	141.07	5.50
26 31 00 00-0150 EA 24" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect .....	21.64	1.81
26 31 00 00-0151 EA 36" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect .....	23.23	1.81
26 31 00 00-0152 EA 48" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect .....	24.12	1.81
26 31 00 00-0153 EA 72" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect .....	26.60	1.81
26 31 00 00-0154 EA 120" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect .....	30.33	1.81
26 31 00 00-0155 EA 240" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect .....	48.25	3.63
26 31 00 00-0156 EA 360" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect .....	59.81	3.63
26 31 00 00-0157 EA 420" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect .....	78.58	5.44
26 31 00 00-0158 EA 36" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect .....	27.23	1.81
26 31 00 00-0159 EA 120" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect .....	37.78	1.81
26 31 00 00-0160 EA 240" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect .....	55.70	3.63
26 31 00 00-0161 EA 360" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect .....	74.32	3.63
26 31 00 00-0162 EA 600" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect .....	120.72	7.27
26 31 00 00-0163 EA 1200" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect .....	125.97	7.27
26 31 00 00-0164 EA Lighting Kit, 9W Fluorescent, 12 V 4.5 Amp Hour Battery .....	2,245.49	198.12
Note: Tamper proof enclosure.		
<b>26 31 00 00-0165 Photovoltaic Mounting Systems <small>(26 31)</small></b>		
26 31 00 00-0166 LF Anodized Aluminum Photovoltaic Module Mounting Rail (UNIRAC SolarMount Standard).....	7.75	1.83
26 31 00 00-0167 EA Splice Bar For Photovoltaic Module Mounting Rail (UNIRAC 310229) .....	22.47	9.17
26 31 00 00-0168 EA Splice Plate For Photovoltaic Module Mounting Rail (UNIRAC 310216) .....	28.32	9.17
26 31 00 00-0169 EA 8" x 3/8" Hanger Bolt (UNIRAC 310046).....	14.88	3.67
Note: Supports mounting rail above tile or metal roof.		

**26 Electrical****26 30 Facility Electrical Power Generating And Storing Equipment****26 31 Photovoltaic Collectors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0170 EA Mounting Rail Grounding Clip (UNIRAC 980006).....	7.13	2.75
Note: One grounding clip for every two top mounting clamps (end clamps + mid clamps) in your installation. Only one of the two rails in each row requires grounding clips.		
26 31 00 00-0171 EA Mounting Rail Grounding Lugs (UNIRAC 980012).....	15.15	3.67
Note: Two grounding lugs for each rail splice and one additional lug for each rail.		
26 31 00 00-0172 EA Anodized Aluminum Photovoltaic Module Mounting End Clamp (UNIRAC 320002).....	4.08	1.22
Note: Four for each row of modules you plan to mount.		
26 31 00 00-0173 EA Anodized Aluminum Photovoltaic Module Mounting Mid Clamp (UNIRAC 320008).....	4.27	1.22
Note: For each row, take one less than the number of modules in the row and multiply that figure by 2.		
26 31 00 00-0174 EA Photovoltaic Module Mount L-Feet (UNIRAC 310065).....	10.61	3.67
26 31 00 00-0175 EA 12" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310121).....	62.99	18.35
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0176 EA 30" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310122).....	69.61	18.35
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0177 EA 44" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310123).....	74.94	18.35
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0178 EA 12" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310107).....	92.55	27.52
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0179 EA 44" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310108).....	112.41	27.52
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0180 EA 72" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310109).....	130.44	27.52
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0181 EA 18" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310111).....	144.00	36.69
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0182 EA 64" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310112).....	191.46	36.69
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0183 EA 104" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310110).....	269.34	55.03
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0184 EA Ballasted Photovoltaic Module Frame (UNIRAC 310351).....	131.54	
Note: Excludes ballast.		
26 31 00 00-0185 EA Ballasted Photovoltaic Module Frame With Module Mount (UNIRAC 310355).....	244.74	
Note: Excludes ballast.		
26 31 00 00-0186 EA 3" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310051).....	49.76	18.35
26 31 00 00-0187 EA 4" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310052).....	50.37	18.35
26 31 00 00-0188 EA 6" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310053).....	50.93	18.35
26 31 00 00-0189 EA 7" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310054).....	52.32	18.35
26 31 00 00-0190 EA 3" High Aluminum Photovoltaic Module Standoff (UNIRAC 310553).....	46.07	18.35
26 31 00 00-0191 EA 4" High Aluminum Photovoltaic Module Standoff (UNIRAC 310554).....	46.77	18.35
26 31 00 00-0192 EA 6" High Aluminum Photovoltaic Module Standoff (UNIRAC 310555).....	48.83	18.35
26 31 00 00-0193 EA 7" High Aluminum Photovoltaic Module Standoff (UNIRAC 310556).....	48.25	18.35
26 31 00 00-0194 EA 3" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310390).....	95.12	27.52
26 31 00 00-0195 EA 4" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310391).....	95.55	27.52
26 31 00 00-0196 EA 7" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310394).....	96.80	27.52
26 31 00 00-0197 EA Photovoltaic Module RapidFoot Standoff Assembly (UNIRAC 310370).....	95.49	27.52
26 31 00 00-0198 EA Photovoltaic Module Standoff Flashing (UNIRAC 990103).....	18.90	3.67
26 31 00 00-0199 EA Photovoltaic Module Standoff Ethylene Propylene Diene Monomer (EPDM) Patch (UNIRAC 990161).....	12.50	3.67
26 31 00 00-0200 EA 1/4" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004030M-0100).....	23.66	5.50
26 31 00 00-0201 EA 3/8" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004031M-0100).....	24.62	5.50
26 31 00 00-0202 EA Photovoltaic Module Standing Seam Metal Roof Mounting Clamp (UNIRAC 004032M-0100).....	6.86	1.22
Note: Mid or end clamp.		
26 31 00 00-0203 EA Photovoltaic Module Tile Roof Mounting Hook (UNIRAC 905011C-0024).....	31.19	3.67
26 31 00 00-0204 EA Photovoltaic Module Wire Clip (UNIRAC 908002S-0100).....	1.62	

**26 32 Packaged Generator Assemblies (26 30)****26 32 13 Engine Generators (26 32)**

See CSI section 23 13 23 13-0001 for fuel storage tanks.

**26 32 13 13 Diesel-Engine-Driven Generator Sets (26 32 13)**

See CSI section 01 22 23 00-0799 for fuel reimbursement for commissioning.

**26 32 13 13-0001 Diesel Generator Sets (26 32 13 13)**

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel tank, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0778 for loadbank rental, 23 13 23 13-0001 for fuel day tank.

26 32 13 13-0002 EA 25 KW Diesel Generator Set, 3 Phase (Cummins DSKCA).....	25,648.71	625.92
For Weather Resistant Steel Diesel Generator Enclosure, Add	2,787.20	
For Quisite Site Level 1 Steel Diesel Generator Enclosure, Add	6,558.82	
For Quisite Site Level 2 Steel Diesel Generator Enclosure, Add	8,745.10	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	7,096.70	
For Quisite Site Level 1 Aluminum Diesel Generator Enclosure, Add	10,294.05	
For Quisite Site Level 2 Aluminum Diesel Generator Enclosure, Add	13,725.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0003 EA 35 KW Diesel Generator Set, 3 Phase (Cummins DSFAA) ..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	27,052.36 2,787.20 6,558.82 8,745.10 7,096.70 10,294.05 13,725.40	770.67
26 32 13 13-0004 EA 40 KW Diesel Generator Set, 3 Phase (Cummins DSFAB) ..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	27,827.74 2,787.20 6,558.82 8,745.10 7,096.70 10,294.05 13,725.40	844.99
26 32 13 13-0005 EA 50 KW Diesel Generator Set, 3 Phase (Cummins DSFAC) ..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	32,816.04 2,787.20 6,558.82 8,745.10 7,096.70 10,294.05 13,725.40	970.18
26 32 13 13-0006 EA 60 KW Diesel Generator Set, 3 Phase (Cummins DSFAD) ..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	35,514.10 2,787.20 6,558.82 8,745.10 7,096.70 10,294.05 13,725.40	1,114.92
26 32 13 13-0007 EA 80 KW Diesel Generator Set, 3 Phase (Cummins DSFAE) ..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	41,815.11 2,787.20 6,558.82 8,745.10 7,096.70 10,294.05 13,725.40	1,306.60
26 32 13 13-0008 EA 100 KW Diesel Generator Set, 3 Phase (Cummins DSGAA) ..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	45,106.43 4,227.60 10,027.88 13,370.50 9,105.20 10,946.32 14,595.10	1,517.85
26 32 13 13-0009 EA 125 KW Diesel Generator Set, 3 Phase (Cummins DSGAB) ..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	46,311.70 4,227.60 10,027.88 13,370.50 9,105.20 10,946.32 14,595.10	1,799.51
26 32 13 13-0010 EA 150 KW Diesel Generator Set, 3 Phase (Cummins DSGAC) ..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	51,133.36 4,227.60 10,027.88 13,370.50 9,105.20 10,946.32 14,595.10	1,983.38
26 32 13 13-0011 EA 175 KW Diesel Generator Set, 3 Phase (Cummins DSHAB) ..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	54,083.42 4,227.60 10,027.88 13,370.50 9,105.20 10,946.32 14,595.10	2,214.19
26 32 13 13-0012 EA 200 KW Diesel Generator Set, 3 Phase (Cummins DSHAC) ..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	57,817.70 4,227.60 10,027.88 13,370.50 9,105.20 10,946.32 14,595.10	2,425.44
26 32 13 13-0013 EA 230 KW Diesel Generator Set, 3 Phase (Cummins DSHAD) ..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	62,744.93 4,227.60 10,027.88 13,370.50 9,105.20 10,946.32 14,595.10	2,562.35
26 32 13 13-0014 EA 250 KW Diesel Generator Set, 3 Phase (Cummins DQDAA) ..... <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	65,593.33 27,417.00 30,358.58 40,478.10 33,252.70 37,109.47 49,479.30	2,667.98

**26 Electrical****26 30 Facility Electrical Power Generating And Storing Equipment****26 32 Packaged Generator Assemblies**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0015 EA 275 KW Diesel Generator Set, 3 Phase (Cummins DQHAA) .....	71,617.76	2,812.73
For Weather Resistant Steel Diesel Generator Enclosure, Add	27,417.00	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	30,358.58	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	40,478.10	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	33,252.70	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	37,109.47	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	49,479.30	
26 32 13 13-0016 EA 300 KW Diesel Generator Set, 3 Phase (Cummins DQHAB) .....	73,033.61	2,937.91
For Weather Resistant Steel Diesel Generator Enclosure, Add	27,417.00	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	30,358.58	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	40,478.10	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	33,252.70	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	37,109.47	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	49,479.30	
26 32 13 13-0017 EA 350 KW Diesel Generator Set, 3 Phase (Cummins DFEG) .....	83,119.64	3,286.08
For Weather Resistant Steel Diesel Generator Enclosure, Add	27,417.00	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	30,358.58	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	40,478.10	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	33,252.70	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	37,109.47	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	49,479.30	
26 32 13 13-0018 EA 400 KW Diesel Generator Set, 3 Phase (Cummins DFEH) .....	89,906.40	3,599.04
For Weather Resistant Steel Diesel Generator Enclosure, Add	27,417.00	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	30,358.58	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	40,478.10	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	33,252.70	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	37,109.47	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	49,479.30	
26 32 13 13-0019 EA 450 KW Diesel Generator Set, 3 Phase (Cummins DFEJ) .....	102,285.81	3,876.78
For Weather Resistant Steel Diesel Generator Enclosure, Add	27,417.00	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	30,358.58	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	40,478.10	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	33,252.70	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	37,109.47	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	49,479.30	
26 32 13 13-0020 EA 500 KW Diesel Generator Set, 3 Phase (Cummins DFEK) .....	107,975.52	4,131.07
For Weather Resistant Steel Diesel Generator Enclosure, Add	27,417.00	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	30,358.58	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	40,478.10	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	33,252.70	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	37,109.47	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	49,479.30	
26 32 13 13-0021 EA 600 KW Diesel Generator Set, 3 Phase (Cummins DQCA) .....	158,913.40	4,549.64
For Weather Resistant Steel Diesel Generator Enclosure, Add	56,007.90	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	67,446.60	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	89,928.80	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	65,876.20	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	78,574.27	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	104,765.70	
26 32 13 13-0022 EA 750 KW Diesel Generator Set, 3 Phase (Cummins DQCB) .....	182,167.99	5,003.44
For Weather Resistant Steel Diesel Generator Enclosure, Add	56,007.90	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	67,446.60	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	89,928.80	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	65,876.20	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	78,574.27	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	104,765.70	
26 32 13 13-0023 EA 800 KW Diesel Generator Set, 3 Phase (Cummins DQCC) .....	190,319.38	5,112.97
For Weather Resistant Steel Diesel Generator Enclosure, Add	56,007.90	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	67,446.60	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	89,928.80	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	65,876.20	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	78,574.27	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	104,765.70	
26 32 13 13-0024 EA 900 KW Diesel Generator Set, 3 Phase (Cummins DQFAC) .....	232,732.00	5,512.00
For Weather Resistant Steel Diesel Generator Enclosure, Add	56,007.90	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	67,446.60	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	89,928.80	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	65,876.20	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	78,574.27	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	104,765.70	
26 32 13 13-0025 EA 1,000 KW Diesel Generator Set, 3 Phase (Cummins DQFAD) .....	259,455.71	5,867.99
For Weather Resistant Steel Diesel Generator Enclosure, Add	56,007.90	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	67,446.60	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	89,928.80	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	65,876.20	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	78,574.27	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	104,765.70	

**26 32 13 19 Natural Gas-Engine-Driven Generator Sets** (26 32 13)**26 32 13 19-0001 Natural Gas Or Propane Generator Sets** (26 32 13 19)

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel tank, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0778 for loadbank rental.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0002 EA 20 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMA).....	11,411.71	524.21
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,535.00	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	6,558.82	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	8,745.10	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	2,745.60	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	4,555.20	
26 32 13 19-0003 EA 25 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMB).....	12,890.41	625.92
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,535.00	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	6,558.82	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	8,745.10	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	2,745.60	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	4,555.20	
26 32 13 19-0004 EA 29 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMC).....	14,922.32	696.33
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,535.00	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	6,558.82	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	8,745.10	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	2,745.60	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	4,555.20	
26 32 13 19-0005 EA 35 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPA).....	16,963.42	770.67
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,535.00	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	6,558.82	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	8,745.10	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	7,766.20	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	13,035.10	
26 32 13 19-0006 EA 40 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPB).....	19,071.43	844.99
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,535.00	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	6,558.82	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	8,745.10	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	7,766.20	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	13,035.10	
26 32 13 19-0007 EA 45 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPC).....	20,685.89	911.50
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,535.00	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	6,558.82	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	8,745.10	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	7,766.20	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	13,035.10	
26 32 13 19-0008 EA 60 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHE).....	22,574.20	1,114.92
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,535.00	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	6,558.82	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	8,745.10	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	7,766.20	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	13,035.10	
26 32 13 19-0009 EA 70 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHF).....	24,202.88	1,247.92
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	2,535.00	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	6,558.82	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	8,745.10	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	7,766.20	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	13,035.10	
26 32 13 19-0010 EA 85 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHG).....	32,010.33	1,333.99
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,620.20	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	10,027.88	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	13,370.50	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	9,105.20	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	13,035.10	
26 32 13 19-0011 EA 100 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHH).....	38,671.30	1,502.21
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,620.20	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	10,027.88	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	13,370.50	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	9,105.20	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	13,035.10	
26 32 13 19-0012 EA 125 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHL).....	44,224.00	1,799.51
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,620.20	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	10,027.88	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	13,370.50	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	9,105.20	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	13,035.10	
26 32 13 19-0013 EA 150 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHL).....	52,698.10	1,983.38
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	4,620.20	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	10,027.88	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	13,370.50	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	9,105.20	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	13,035.10	
26 32 13 19-0014 EA 175 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA).....	85,989.07	5,275.64
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	24,655.80	
For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	27,293.18	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	36,390.90	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	26,958.10	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	40,453.40	
26 32 13 19-0015 EA 205 KW Natural Gas Generator Set, 3 Phase (Cummins GFBB).....	97,727.90	2,382.41
For Weather Resistant Steel Natural Gas Generator Enclosure, Add	24,655.80	
For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	27,293.18	
For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	36,390.90	
For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	26,958.10	
For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	40,453.40	



**26 Electrical**

**26 30 Facility Electrical Power Generating And Storing Equipment**

**26 32 Packaged Generator Assemblies**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0016 EA 250 KW Natural Gas Generator Set, 3 Phase (Cummins GFBC) ..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	105,039.57 24,655.80 27,293.18 36,390.90 26,958.10 40,453.40	2,667.98
26 32 13 19-0017 EA 300 KW Natural Gas Generator Set, 3 Phase (Cummins GFEA) ..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	136,224.76 24,655.80 27,293.18 36,390.90 26,958.10 40,453.40	2,937.91
26 32 13 19-0018 EA 350 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB) ..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	146,153.41 24,655.80 27,293.18 36,390.90 26,958.10 40,453.40	3,286.08
26 32 13 19-0019 EA 450 KW Natural Gas Generator Set, 3 Phase (Cummins GFGA) ..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	205,880.24 53,836.90 57,201.30 76,268.40 61,149.40 86,425.30	3,876.78
26 32 13 19-0020 EA 500 KW Natural Gas Generator Set, 3 Phase (Cummins GFJB) ..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	263,771.54 53,836.90 57,201.30 76,268.40 61,149.40 86,425.30	4,131.07
26 32 13 19-0021 EA 550 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC) ..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	295,358.64 53,836.90 57,201.30 76,268.40 61,149.40 86,425.30	4,354.05
26 32 13 19-0022 EA 600 KW Natural Gas Generator Set, 3 Phase (Cummins GFLA) ..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	336,724.53 53,836.90 57,201.30 76,268.40 61,149.40 86,425.30	4,549.64
26 32 13 19-0023 EA 650 KW Natural Gas Generator Set, 3 Phase (Cummins GFLB) ..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	352,117.12 53,836.90 57,201.30 76,268.40 61,149.40 86,425.30	4,721.78
26 32 13 19-0024 EA 725 KW Natural Gas Generator Set, 3 Phase (Cummins GFCL) ..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	372,425.02 53,836.90 57,201.30 76,268.40 61,149.40 86,425.30	5,046.47
<b>26 32 13 19-0025 Small Natural Gas Or Propane Air Cooled Generator Sets</b> <small>(26 32 13 19)</small>		
26 32 13 19-0026 EA 7.5 KW Natural Gas Or Propane Air Cooled Generator Set ..... Note: Includes weatherproof composite enclosure and 100 A automatic transfer switch.	3,819.28	340.12
26 32 13 19-0027 EA 10 KW Natural Gas Or Propane Air Cooled Generator Set ..... Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	4,852.00	377.90
26 32 13 19-0028 EA 14 KW Natural Gas Or Propane Air Cooled Generator Set ..... Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	5,460.76	340.94
<b>26 32 29 Rotary Converters</b> <small>(26 32)</small>		
<b>26 32 29 00-0001 60 Hz AC Input 230 Or 460 Volts, 125 Volt DC Output</b> <small>(26 32 29)</small>		
26 32 29 00-0002 EA 3 KW, 24 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	5,521.53	146.75
26 32 29 00-0003 EA 5 KW, 40 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	6,724.11	146.75
26 32 29 00-0004 EA 7.5 KW, 60 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	8,905.37	146.75
26 32 29 00-0005 EA 10 KW, 80 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	8,975.37	146.75
26 32 29 00-0006 EA 15 KW, 120 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	9,964.11	183.44
26 32 29 00-0007 EA 20 KW, 160 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	10,790.40	183.44
26 32 29 00-0008 EA 25 KW, 200 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	11,298.51	183.44
26 32 29 00-0009 EA 40 KW, 320 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	13,759.57	242.14
26 32 29 00-0010 EA 50 KW, 400 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	15,291.42	242.14
<b>26 32 29 00-0011 60 Hz AC Input, 230 Or 460 Volts, 250 Volts DC Output</b> <small>(26 32 29)</small>		
26 32 29 00-0012 EA 3 KW, 12 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	6,392.14	146.75
26 32 29 00-0013 EA 5 KW, 20 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	7,621.10	146.75
26 32 29 00-0014 EA 7.5 KW, 30 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	8,715.95	146.75
26 32 29 00-0015 EA 10 KW, 40 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	8,957.61	146.75
26 32 29 00-0016 EA 15 KW, 60 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	10,146.94	183.44



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 29 00-0017 EA 20 KW, 80 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	11,158.43	183.44
26 32 29 00-0018 EA 25 KW, 100 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	11,526.45	183.44
26 32 29 00-0019 EA 40 KW, 160 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	13,704.96	242.14
26 32 29 00-0020 EA 50 KW, 200 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	14,538.37	242.14
<b>26 32 29 00-0021 460 Volt 3 Phase AC Motor Drive 250 Volt DC</b> <small>(26 32 29)</small>		
26 32 29 00-0022 EA 33 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion .....	16,057.21	2,738.39
26 32 29 00-0023 EA 40 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion .....	17,803.05	2,738.39
26 32 29 00-0024 EA 50 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion .....	20,246.39	3,911.99
26 32 29 00-0025 EA 65 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion .....	23,628.52	3,911.99
26 32 29 00-0026 EA 85 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion .....	26,821.20	3,911.99
26 32 29 00-0027 EA 100 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion .....	31,483.06	5,867.99
26 32 29 00-0028 EA 125 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion .....	38,150.29	5,867.99
<b>26 32 29 00-0029 4,160 Volt 3 Phase AC Motor Drive 250 Or 500 Volt DC</b> <small>(26 32 29)</small>		
26 32 29 00-0030 EA 170 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	55,770.10	7,823.98
26 32 29 00-0031 EA 200 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	60,768.88	7,823.98
26 32 29 00-0032 EA 240 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	73,109.02	10,171.18
26 32 29 00-0033 EA 320 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	83,105.62	12,361.90
26 32 29 00-0034 EA 400 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	98,457.31	12,361.90
26 32 29 00-0035 EA 560 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	139,649.19	18,464.62
26 32 29 00-0036 EA 640 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	144,474.77	18,464.62
26 32 29 00-0037 EA 800 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	166,369.49	21,515.96
<b>26 33 Battery Equipment</b> <small>(26 30)</small>		
<b>26 33 13 Batteries</b> <small>(26 33)</small>		
<b>26 33 13 00-0001 Standby Batteries</b> <small>(26 33 13)</small>		
26 33 13 00-0002 EA 12 Volt, 100 Amp Hours To 10.5 Volts Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery.....	676.20	18.38
26 33 13 00-0003 EA 12 Volt, 100 Amp Hours To 10.5 Volts Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery With Steel Jacket.....	730.39	18.38
26 33 13 00-0004 EA 725CCA, Group 31, 12 Volt Lead Calcium Standby Battery.....	238.50	18.38
26 33 13 00-0005 EA 810CCA, Group 24, 12 Volt Lead Calcium Standby Battery.....	216.31	18.38
26 33 13 00-0006 EA 1080CCA, Group 4D, 12 Volt Lead Calcium Standby Battery .....	374.52	18.38
26 33 13 00-0007 EA 1400CCA, Group 8D, 12 Volt Lead Calcium Standby Battery .....	435.83	18.38
<b>26 33 43 Battery Chargers</b> <small>(26 33)</small>		
<b>26 33 43 00-0001 Solid State Chargers, Single Phase</b> <small>(26 33 43)</small>		
<small>Note: Includes wall bracket, 10' of DC charging cable and standard connector, 208/240/480 V.</small>		
26 33 43 00-0002 EA Solid State Battery Charger, 6 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	1,954.50	419.28
26 33 43 00-0003 EA Solid State Battery Charger, 9 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	2,279.50	419.28
26 33 43 00-0004 EA Solid State Battery Charger, 12 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	2,509.00	419.28
26 33 43 00-0005 EA Solid State Battery Charger, 18 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	2,655.72	496.42
<b>26 33 53 Static Uninterruptible Power Supply</b> <small>(26 33)</small>		
<b>26 33 53 00-0001 Single Phase, Uninterruptible Power Supply Systems (UPS)</b> <small>(26 33 53)</small>		
<b>26 33 53 00-0002 Single Phase, Uninterruptible Power Supply Systems (UPS)</b> <small>(26 33 53 00-0001)</small>		
<b>26 33 53 00-0003 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS)</b> <small>(26 33 53 00-0002)</small>		
<small>Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.</small>		
26 33 53 00-0004 EA 0.5 kVA, 450 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-500RT120) .....	853.99	72.64
<small>Note: Includes 12 minutes of battery backup at full load.</small>		
26 33 53 00-0005 EA 0.7 kVA, 630 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT120) .....	1,022.04	84.75
<small>Note: Includes 6 minutes of battery backup at full load.</small>		
26 33 53 00-0006 EA 1 kVA, 900 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT120) .....	1,267.07	96.85
<small>Note: Includes 5 minutes of battery backup at full load.</small>		
26 33 53 00-0007 EA 1.5 kVA, 1,350 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT120).....	1,556.85	108.97
<small>Note: Includes 5 minutes of battery backup at full load.</small>		
26 33 53 00-0008 EA 2 kVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT120) .....	2,015.81	121.08
<small>Note: Includes 4 minutes of battery backup at full load.</small>		
26 33 53 00-0009 EA 3 kVA, 2,700 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT120) .....	3,367.82	169.50
<small>Note: Includes 4 minutes of battery backup at full load.</small>		

**26 Electrical****26 30 Facility Electrical Power Generating And Storing Equipment****26 33 Battery Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0010	<b>208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS)</b> <small>(26 33 53 00-0002)</small> Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.	
26 33 53 00-0011 EA	3 KVA, 2,700 Watt, 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT208).....	3,304.59 169.50
	Note: Includes 4 minutes of battery backup at full load.	
26 33 53 00-0012	<b>120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS)</b> <small>(26 33 53 00-0002)</small> Note: Rack mount or tower configuration. Includes 50 or 60 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.	
26 33 53 00-0013 EA	5 KVA, 4,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT208).....	5,013.75 193.72
	Note: Includes 5 minutes of battery backup at full load.	
26 33 53 00-0014 EA	6 KVA, 4,800 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT208).....	5,477.06 217.93
	Note: Includes 4 minutes of battery backup at full load.	
26 33 53 00-0015 EA	8 KVA, 7,200 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-8000RT208).....	8,247.08 266.36
	Note: Includes 7 minutes of battery backup at full load.	
26 33 53 00-0016 EA	10 KVA, 9,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT208).....	9,495.16 290.57
	Note: Includes 4-1/2 minutes of battery backup at full load.	
26 33 53 00-0017	<b>230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS)</b> <small>(26 33 53 00-0002)</small> Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.	
26 33 53 00-0018 EA	0.7 KVA, 630 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT230).....	1,022.04 84.75
	Note: Includes 11 minutes of battery backup at full load.	
26 33 53 00-0019 EA	1 KVA, 900 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT230).....	1,267.07 96.85
	Note: Includes 6 minutes of battery backup at full load.	
26 33 53 00-0020 EA	1.5 KVA, 1,350 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT230).....	1,575.53 108.97
	Note: Includes 4 minutes of battery backup at full load.	
26 33 53 00-0021 EA	2 KVA, 1,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT230).....	2,020.32 121.08
	Note: Includes 4 minutes of battery backup at full load.	
26 33 53 00-0022 EA	3 KVA, 2,700 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT230).....	3,381.86 169.50
	Note: Includes 4 minutes of battery backup at full load.	
26 33 53 00-0023 EA	5 KVA, 4,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT230).....	4,802.59 193.72
	Note: Includes 9 minutes of battery backup at full load.	
26 33 53 00-0024 EA	6 KVA, 4,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT230).....	5,916.07 217.93
	Note: Includes 6 minutes of battery backup at full load.	
26 33 53 00-0025 EA	10 KVA, 9,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT230).....	9,193.31 290.57
	Note: Includes 3 minutes of battery backup at full load.	
26 33 53 00-0026	<b>Optional Accessories For Single Phase, Uninterruptible Power Supply Systems</b> <small>(26 33 53 00-0001)</small>	
26 33 53 00-0027 EA	External Battery Cabinet For 0.5 To 2 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-48VBATT).....	598.86 22.02
	Note: Rack mount or tower configuration.	
26 33 53 00-0028 EA	External Battery Cabinet For 3 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-72VBATT).....	788.80 22.02
	Note: Rack mount or tower configuration.	
26 33 53 00-0029 EA	External Battery Cabinet For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATT).....	767.65 22.02
	Note: Rack mount or tower configuration.	
26 33 53 00-0030 EA	External Battery Cabinet For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTVBATT).....	517.03 22.02
	Note: Rack mount or tower configuration.	
26 33 53 00-0031 EA	Replacement Internal Battery For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATKIT).....	715.07 72.64
26 33 53 00-0032 EA	Replacement Internal Battery For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTBKIT).....	788.44 96.85
26 33 53 00-0033	<b>Three Phase, Uninterruptible Power Supply Systems (UPS)</b> <small>(26 33 53)</small>	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 33 53 00-0034</b> 208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) With Internal Battery (Emerson) <sup>(26 33 53 00-0033)</sup>		
Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.		
26 33 53 00-0035 EA 10 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	23,503.57	290.57
26 33 53 00-0036 EA 15 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	26,037.53	387.43
26 33 53 00-0037 EA 20 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	29,117.92	484.29
26 33 53 00-0038 EA 30 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	31,597.23	581.15
26 33 53 00-0039 EA 40 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	38,010.98	678.01
<b>26 33 53 00-0040</b> 208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery (Emerson) <sup>(26 33 53 00-0033)</sup>		
Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0041 EA 60 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	51,608.18	1,155.70
26 33 53 00-0042 EA 80 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	56,187.77	1,430.87
26 33 53 00-0043 EA 100 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	62,167.48	1,669.34
26 33 53 00-0044 EA 120 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	76,687.42	1,889.48
26 33 53 00-0045 EA 140 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	79,661.64	2,109.61
26 33 53 00-0046 EA 160 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	82,795.13	2,329.74
26 33 53 00-0047 EA 180 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	86,584.37	2,549.88
26 33 53 00-0048 EA 200 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	90,373.62	2,770.01
<b>26 33 53 00-0049</b> 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery (Emerson) <sup>(26 33 53 00-0033)</sup>		
Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0050 EA 50 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	48,162.82	953.91
26 33 53 00-0051 EA 100 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	62,495.35	1,676.68
26 33 53 00-0052 EA 150 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	85,324.05	1,937.17
26 33 53 00-0053 EA 200 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	100,445.09	2,127.95
26 33 53 00-0054 EA 250 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	117,424.05	2,348.09
<b>26 33 53 00-0055</b> Optional Accessories For Three Phase, Uninterruptible Power Supply Systems <sup>(26 33 53 00-0033)</sup>		
26 33 53 00-0056 EA Programmable Relay Board For Three Phase Uninterruptible Power Supply Systems.....	523.24	36.69
26 33 53 00-0057 EA Network Interface Card For Three Phase Uninterruptible Power Supply Systems.....	856.48	36.69
26 33 53 00-0058 EA Remote Status Panel With 100' Of Cable For Three Phase Uninterruptible Power Supply Systems.....	1,595.26	73.38
26 33 53 00-0059 EA Slim Line Distribution Panel With Two 42 Pole Panels For Three Phase Uninterruptible Power Supply Systems.....	4,881.22	293.51
26 33 53 00-0060 EA 12 Volt, 491 Watts, 3 Phase, 134 Amp Hours, Battery For Uninterruptible Power Supply Systems (C&D UPS12-490MR).....	357.44	36.69
26 33 53 00-0061 EA 12 Volt, 204 Watts, 3 Phase, 55 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX200).....	195.50	36.69
26 33 53 00-0062 EA 12 Volt, 257 Watts, 3 Phase, 65 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX250).....	219.13	36.69
26 33 53 00-0063 EA 12 Volt, 311 Watts, 3 Phase, 75 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX300).....	242.76	36.69
26 33 53 00-0064 EA 12 Volt, 374 Watts, 3 Phase, 90 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX350).....	285.30	36.69
26 33 53 00-0065 EA 12 Volt, 415 Watts, 3 Phase, 100 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX400).....	299.48	36.69
26 33 53 00-0066 EA 12 Volt, 493 Watts, 3 Phase, 135 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX500).....	372.73	36.69
26 33 53 00-0067 EA 12 Volt, 540 Watts, 3 Phase, 150 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX540).....	390.45	36.69
<b>26 33 53 00-0068</b> Other Uninterruptable Power Supply Equipment <sup>(26 33 53)</sup>		
26 33 53 00-0069 EA Uninterrupted Power Supply Slim-Line Distribution Panel 42 Pole GE Plug-In.....	3,498.81	67.08
26 33 53 00-0070 EA Uninterrupted Power Supply Slim-Line Distribution Panel 84 Pole GE Plug-In.....	4,213.09	134.17
26 33 53 00-0071 EA GE Plug-In Breakers 1 Pole 15- 60A For UPS Distribution Panel.....	18.49	4.02

**26 Electrical****26 30 Facility Electrical Power Generating And Storing Equipment****26 33 Battery Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 33 53 00-0072	EA	GE Plug-In Breakers 2 Pole 15- 40A For UPS Distribution Panel.....	33.26	5.03
26 33 53 00-0073	EA	GE Plug-In Breakers 2 Pole 50- 80A For UPS Distribution Panel.....	62.27	5.03
26 33 53 00-0074	EA	GE Plug-In Breakers 3 Pole 15- 60A For UPS Distribution Panel.....	91.15	6.71
26 33 53 00-0075	EA	GE Plug-In Breakers 3 Pole 70- 100A For UPS Distribution Panel.....	129.44	6.71
26 33 53 00-0076	EA	Uninterrupted Power Supply Remote Status Panel .....	2,396.60	67.08
26 33 53 00-0077	EA	Uninterrupted Power Supply Remote Contact Board.....	796.74	50.32

**26 35 Power Filters And Conditioners** (26 30)**26 35 33 Power Factor Correction Equipment** (26 35)**26 35 33 16 Low-Voltage Power Factor Correction Equipment** (26 35 33)**26 35 33 16-0001 Power Factor Correction Capacitors** (26 35 33 16)

26 35 33 16-0002	EA	Power Factor Correction Capacitors, 2.0 KVAC .....	578.13	
26 35 33 16-0003	EA	Power Factor Correction Capacitors, 3.0 KVAC .....	640.30	
26 35 33 16-0004	EA	Power Factor Correction Capacitors, 4.0 KVAC .....	702.46	
26 35 33 16-0005	EA	Power Factor Correction Capacitors, 5.0 KVAC .....	762.14	
26 35 33 16-0006	EA	Power Factor Correction Capacitors, 7.5 KVAC .....	936.20	
26 35 33 16-0007	EA	Power Factor Correction Capacitors, 10.0 KVAC .....	1,143.83	
26 35 33 16-0008	EA	Power Factor Correction Capacitors, 15.0 KVAC .....	1,766.73	
26 35 33 16-0009	EA	Power Factor Correction Capacitors, 20.0 KVAC .....	2,145.93	
26 35 33 16-0010	EA	Power Factor Correction Capacitors, 25.0 KVAC .....	2,772.56	
26 35 33 16-0011	EA	Power Factor Correction Capacitors, 30.0 KVAC .....	3,153.01	
26 35 33 16-0012	EA	Power Factor Correction Capacitors, 50.0 KVAC .....	5,532.68	
26 35 33 16-0013	EA	Power Factor Correction Capacitors, 75.0 KVAC .....	8,318.91	
26 35 33 16-0014	EA	Power Factor Correction Capacitors, 100.0 KVAC .....	11,092.71	
26 35 33 16-0015	EA	Power Factor Correction Capacitors, Fuse Kit.....	514.73	

**26 35 43 Static-Frequency Converters** (26 35)**26 35 43 00-0001 Rotary Phase Converter With NEMA 1 Indoor Enclosure** (26 35 43)

26 35 43 00-0002	EA	750 Watt Output Rotary Phase Converter With NEMA 1 Enclosure .....	410.53	73.38
26 35 43 00-0003	EA	2 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	712.14	88.05
26 35 43 00-0004	EA	3 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	816.88	117.41
26 35 43 00-0005	EA	5 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,120.74	146.75
26 35 43 00-0006	EA	7 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,542.46	190.78
26 35 43 00-0007	EA	11 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,992.00	234.81
26 35 43 00-0008	EA	15 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	2,497.14	278.83
26 35 43 00-0009	EA	21 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	3,043.22	315.53
26 35 43 00-0010	EA	29 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	3,536.78	381.56
26 35 43 00-0011	EA	36 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	4,049.26	429.26
26 35 43 00-0012	EA	44 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	4,561.74	476.96
26 35 43 00-0013	EA	55 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	5,663.55	576.02
26 35 43 00-0014	EA	74 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	7,358.18	693.42
26 35 43 00-0015	EA	87 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	9,327.39	843.84
26 35 43 00-0016	EA	110 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	10,670.19	986.93
26 35 43 00-0017	EA	125 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	13,733.87	1,100.66
26 35 43 00-0018	EA	165 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	20,978.90	1,247.42
26 35 43 00-0019	EA	220 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	31,282.57	1,394.17

**26 35 53 Voltage Regulators** (26 35)**26 35 53 00-0001 Voltage Regulators, 480/277 Or 208/120 Volt, 3 Phase** (26 35 53)

Note: For diesel motor generator sets mounted in switchgear cabinet.

26 35 53 00-0002	EA	50 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear .....	4,224.08	1,166.71
26 35 53 00-0003	EA	75 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear .....	4,831.22	1,467.55
26 35 53 00-0004	EA	100 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear .....	5,390.28	1,746.38

**26 36 Transfer Switches** (26 30)**26 36 13 Manual Transfer Switches** (26 36)**26 36 13 00-0001 Fused Manual Transfer Switches** (26 36 13)

26 36 13 00-0002	EA	30 Amp Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	910.41	128.41
26 36 13 00-0003	EA	60 Amp Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,057.50	159.52

**26 36 13 00-0004 Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure**(26 36 13)

26 36 13 00-0005	EA	40 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT40).....	2,370.63	188.96
		For NEMA 3R Enclosure, Add	784.19	
		For NEMA 12 Enclosure, Add	738.05	
26 36 13 00-0006	EA	70 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT70).....	2,618.76	226.74
		For NEMA 3R Enclosure, Add	784.19	
		For NEMA 12 Enclosure, Add	738.05	
26 36 13 00-0007	EA	125 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT125).....	2,969.22	264.54
		For NEMA 3R Enclosure, Add	784.19	
		For NEMA 12 Enclosure, Add	738.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 13 00-0008 EA 150 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT150)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	3,698.37 922.57 738.05	302.32
26 36 13 00-0009 EA 225 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT225)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	4,592.95 922.57 738.05	340.12
26 36 13 00-0010 EA 260 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT260)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	5,165.86 922.57 738.05	377.90
26 36 13 00-0011 EA 300 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT300)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	5,748.09 1,088.63 922.57	415.70
26 36 13 00-0012 EA 400 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT400)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	6,764.21 1,088.63 922.57	453.48
26 36 13 00-0013 EA 600 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT600)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	8,960.84 1,088.63 922.57	566.86
26 36 13 00-0014 EA 800 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT800)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	10,062.14 1,337.72 1,291.60	680.23
26 36 13 00-0015 EA 1,000 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT1000)..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	13,352.87 1,337.72 1,291.60	938.88

**26 36 23 Automatic Transfer Switches (26 36)**

26 36 23 00-0001 Automatic Transfer Switch (26 36 23)

26 36 23 00-0002 Automatic Transfer Switch, 2 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23

00-0001)  
Note: Programmable, 120/240 volt single phase, 3 wire.

26 36 23 00-0003 EA 100 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire .....	2,099.26	264.54
26 36 23 00-0004 EA 225 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire .....	2,864.86	340.12
26 36 23 00-0005 EA 400 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire .....	4,593.54	453.48
26 36 23 00-0006 EA 600 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire .....	10,691.50	566.86

26 36 23 00-0007 Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23

00-0001)

26 36 23 00-0008 EA 40 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC40) .....	3,576.76 784.19 830.31 830.31	188.96
<i>For NEMA 3R Enclosure, Add</i>		
<i>For NEMA 4 Enclosure, Add</i>		
<i>For NEMA 12 Enclosure, Add</i>		
26 36 23 00-0009 EA 70 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC70) .....	4,125.14 784.19 830.31 830.31	226.74
<i>For NEMA 3R Enclosure, Add</i>		
<i>For NEMA 4 Enclosure, Add</i>		
<i>For NEMA 12 Enclosure, Add</i>		
26 36 23 00-0010 EA 125 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC125) .....	4,527.20 784.19 830.31 830.31	264.54
<i>For NEMA 3R Enclosure, Add</i>		
<i>For NEMA 4 Enclosure, Add</i>		
<i>For NEMA 12 Enclosure, Add</i>		
26 36 23 00-0011 EA 150 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC150) .....	5,391.93 922.57 1,199.34 830.31	302.32
<i>For NEMA 3R Enclosure, Add</i>		
<i>For NEMA 4 Enclosure, Add</i>		
<i>For NEMA 12 Enclosure, Add</i>		
26 36 23 00-0012 EA 225 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC225) .....	6,159.39 922.57 1,199.34 830.31	340.12
<i>For NEMA 3R Enclosure, Add</i>		
<i>For NEMA 4 Enclosure, Add</i>		
<i>For NEMA 12 Enclosure, Add</i>		
26 36 23 00-0013 EA 260 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC260) .....	6,795.74 922.57 1,199.34 830.31	377.90
<i>For NEMA 3R Enclosure, Add</i>		
<i>For NEMA 4 Enclosure, Add</i>		
<i>For NEMA 12 Enclosure, Add</i>		
26 36 23 00-0014 EA 300 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC300) .....	7,090.38 1,088.63 1,291.60 922.57	415.70
<i>For NEMA 3R Enclosure, Add</i>		
<i>For NEMA 4 Enclosure, Add</i>		
<i>For NEMA 12 Enclosure, Add</i>		
26 36 23 00-0015 EA 400 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC400) .....	8,027.00 1,088.63 1,291.60 922.57	453.48
<i>For NEMA 3R Enclosure, Add</i>		
<i>For NEMA 4 Enclosure, Add</i>		
<i>For NEMA 12 Enclosure, Add</i>		
26 36 23 00-0016 EA 600 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC600) .....	11,028.00 1,088.63 1,291.60 922.57	566.86
<i>For NEMA 3R Enclosure, Add</i>		
<i>For NEMA 4 Enclosure, Add</i>		
<i>For NEMA 12 Enclosure, Add</i>		
26 36 23 00-0017 EA 800 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC800) .....	12,344.98 1,337.72 1,476.12 1,291.60	680.23
<i>For NEMA 3R Enclosure, Add</i>		
<i>For NEMA 4 Enclosure, Add</i>		
<i>For NEMA 12 Enclosure, Add</i>		
26 36 23 00-0018 EA 1,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1000) .....	16,021.39 1,337.72 1,476.12 1,291.60	938.88
<i>For NEMA 3R Enclosure, Add</i>		
<i>For NEMA 4 Enclosure, Add</i>		
<i>For NEMA 12 Enclosure, Add</i>		

**26 Electrical****26 30 Facility Electrical Power Generating And Storing Equipment****26 36 Transfer Switches**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0019	EA		1,200 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1200).....	20,907.53	1,017.12
			<i>For NEMA 3R Enclosure, Add</i>	2,952.23	
			<i>For NEMA 4 Enclosure, Add</i>	1,660.63	
			<i>For NEMA 12 Enclosure, Add</i>	1,383.86	
26 36 23 00-0020	EA		1,600 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1600).....	22,239.71	1,173.60
			<i>For NEMA 3R Enclosure, Add</i>	4,797.36	
			<i>For NEMA 4 Enclosure, Add</i>	5,904.44	
			<i>For NEMA 12 Enclosure, Add</i>	4,797.36	
26 36 23 00-0021	EA		2,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC2000).....	25,435.03	1,330.08
			<i>For NEMA 3R Enclosure, Add</i>	4,797.36	
			<i>For NEMA 4 Enclosure, Add</i>	5,904.44	
			<i>For NEMA 12 Enclosure, Add</i>	4,797.36	
26 36 23 00-0022	EA		3,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC3000).....	30,698.29	1,643.04
			<i>For NEMA 3R Enclosure, Add</i>	4,797.36	
26 36 23 00-0023	EA		4,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC4000).....	53,791.42	1,956.00
			<i>For NEMA 3R Enclosure, Add</i>	22,547.56	
<b>26 36 23 00-0024</b>			<b>Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure</b> <small>(26 36 23 00-0001)</small>		
26 36 23 00-0025	EA		150 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC150).....	17,534.88	1,436.03
			<i>For NEMA 3R Enclosure, Add</i>	1,614.50	
			<i>For NEMA 4 Enclosure, Add</i>	1,660.63	
			<i>For NEMA 12 Enclosure, Add</i>	876.45	
26 36 23 00-0026	EA		225 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC225).....	18,296.88	1,511.61
			<i>For NEMA 3R Enclosure, Add</i>	1,614.50	
			<i>For NEMA 4 Enclosure, Add</i>	1,660.63	
			<i>For NEMA 12 Enclosure, Add</i>	876.45	
26 36 23 00-0027	EA		260 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC260).....	19,178.88	1,587.19
			<i>For NEMA 3R Enclosure, Add</i>	1,614.50	
			<i>For NEMA 4 Enclosure, Add</i>	1,660.63	
			<i>For NEMA 12 Enclosure, Add</i>	876.45	
26 36 23 00-0028	EA		300 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC300).....	21,494.81	1,624.99
			<i>For NEMA 3R Enclosure, Add</i>	1,614.50	
			<i>For NEMA 4 Enclosure, Add</i>	1,660.63	
			<i>For NEMA 12 Enclosure, Add</i>	876.45	
26 36 23 00-0029	EA		400 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC400).....	24,937.66	1,662.77
			<i>For NEMA 3R Enclosure, Add</i>	1,614.50	
			<i>For NEMA 4 Enclosure, Add</i>	1,660.63	
			<i>For NEMA 12 Enclosure, Add</i>	876.45	
26 36 23 00-0030	EA		600 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC600).....	30,100.03	1,738.36
			<i>For NEMA 3R Enclosure, Add</i>	1,614.50	
			<i>For NEMA 4 Enclosure, Add</i>	1,660.63	
			<i>For NEMA 12 Enclosure, Add</i>	922.57	
26 36 23 00-0031	EA		800 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC800).....	33,244.92	1,813.94
			<i>For NEMA 3R Enclosure, Add</i>	1,660.63	
			<i>For NEMA 4 Enclosure, Add</i>	1,660.63	
			<i>For NEMA 12 Enclosure, Add</i>	1,014.83	
26 36 23 00-0032	EA		1,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1000).....	41,871.67	2,116.26
			<i>For NEMA 3R Enclosure, Add</i>	1,660.63	
			<i>For NEMA 4 Enclosure, Add</i>	1,660.63	
			<i>For NEMA 12 Enclosure, Add</i>	1,014.83	
26 36 23 00-0033	EA		1,200 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1200).....	55,083.12	2,347.20
			<i>For NEMA 3R Enclosure, Add</i>	7,380.55	
			<i>For NEMA 4 Enclosure, Add</i>	9,225.68	
			<i>For NEMA 12 Enclosure, Add</i>	7,380.55	
26 36 23 00-0034	EA		1,600 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1600).....	72,221.68	2,503.67
			<i>For NEMA 3R Enclosure, Add</i>	15,683.65	
			<i>For NEMA 4 Enclosure, Add</i>	15,683.65	
			<i>For NEMA 12 Enclosure, Add</i>	14,613.48	
26 36 23 00-0035	EA		2,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC2000).....	82,071.96	2,738.39
			<i>For NEMA 3R Enclosure, Add</i>	15,683.65	
			<i>For NEMA 4 Enclosure, Add</i>	15,683.65	
			<i>For NEMA 12 Enclosure, Add</i>	14,613.48	
26 36 23 00-0036	EA		3,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC3000).....	132,062.24	3,129.60
			<i>For NEMA 3R Enclosure, Add</i>	19,373.92	
26 36 23 00-0037	EA		4,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC4000).....	142,455.65	3,520.80
			<i>For NEMA 3R Enclosure, Add</i>	19,373.92	
<b>26 36 23 00-0038</b>			<b>Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure</b> <small>(26 36 23 00-0001)</small>		
26 36 23 00-0039	EA		40 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE40).....	5,904.42	188.96
			<i>For NEMA 3R Enclosure, Add</i>	461.29	
			<i>For NEMA 12 Enclosure, Add</i>	830.31	
26 36 23 00-0040	EA		70 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE70).....	6,372.46	226.74
			<i>For NEMA 3R Enclosure, Add</i>	461.29	
			<i>For NEMA 12 Enclosure, Add</i>	830.31	
26 36 23 00-0041	EA		125 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE125).....	6,839.65	264.54
			<i>For NEMA 3R Enclosure, Add</i>	461.29	
			<i>For NEMA 12 Enclosure, Add</i>	830.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0042 EA 150 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE150).....	8,222.86	302.32
<i>For Four Pole Circuit Breaker, Add</i>	2,306.42	
<i>For NEMA 3R Enclosure, Add</i>	461.29	
<i>For NEMA 12 Enclosure, Add</i>	830.31	
26 36 23 00-0043 EA 225 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE225).....	10,737.75	340.12
<i>For Four Pole Circuit Breaker, Add</i>	2,306.42	
<i>For NEMA 3R Enclosure, Add</i>	461.29	
<i>For NEMA 12 Enclosure, Add</i>	830.31	
26 36 23 00-0044 EA 250 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE250).....	11,423.16	377.90
<i>For Four Pole Circuit Breaker, Add</i>	2,306.42	
<i>For NEMA 3R Enclosure, Add</i>	461.29	
<i>For NEMA 12 Enclosure, Add</i>	830.31	
26 36 23 00-0045 EA 300 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE300).....	11,866.68	415.70
<i>For Four Pole Circuit Breaker, Add</i>	3,136.73	
<i>For NEMA 3R Enclosure, Add</i>	1,199.34	
<i>For NEMA 12 Enclosure, Add</i>	922.57	
26 36 23 00-0046 EA 400 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE400).....	13,438.49	453.48
<i>For Four Pole Circuit Breaker, Add</i>	3,136.73	
<i>For NEMA 3R Enclosure, Add</i>	1,199.34	
<i>For NEMA 12 Enclosure, Add</i>	922.57	
26 36 23 00-0047 EA 600 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE600).....	16,296.55	566.86
<i>For Four Pole Circuit Breaker, Add</i>	3,136.73	
<i>For NEMA 3R Enclosure, Add</i>	1,199.34	
<i>For NEMA 12 Enclosure, Add</i>	922.57	
26 36 23 00-0048 EA 800 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE800).....	16,925.89	680.23
<i>For Four Pole Circuit Breaker, Add</i>	4,474.46	
<i>For NEMA 3R Enclosure, Add</i>	2,066.56	
<i>For NEMA 12 Enclosure, Add</i>	1,291.60	
26 36 23 00-0049 EA 1,000 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE1000).....	19,979.78	938.88
<i>For Four Pole Circuit Breaker, Add</i>	4,474.46	
<i>For NEMA 3R Enclosure, Add</i>	2,066.56	
<i>For NEMA 12 Enclosure, Add</i>	1,291.60	
26 36 23 00-0050 Accessories <small>(26 36 23)</small>		
26 36 23 00-0051 EA Auxiliary Contacts For Automatic Transfer Switch .....	214.04	
26 36 23 00-0052 EA Battery Charger For Automatic Transfer Switch .....	1,752.89	
26 36 23 00-0053 EA Elevator Relay Signal For Automatic Transfer Switch .....	636.58	

## 26 40 Electrical And Cathodic Protection (26)

### 26 41 Facility Lightning Protection (26 40)

#### 26 41 13 Lightning Protection For Structures (26 41)

##### 26 41 13 13 Lightning Protection For Buildings (26 41 13)

26 41 13 13-0001	Lightning Protection <small>(26 41 13 13)</small>		
26 41 13 13-0002	Air Terminals For Lightning Protection <small>(26 41 13 13-0001)</small>		
26 41 13 13-0003	Copper Lightning Protection Air Terminals <small>(26 41 13 13-0002)</small>		
26 41 13 13-0004	EA 3/8" x 10" Copper Lightning Protection Air Terminal .....	48.36	7.34
26 41 13 13-0005	EA 1/2" x 12" Copper Lightning Protection Air Terminal .....	59.91	7.34
26 41 13 13-0006	EA 5/8" x 12" Copper Lightning Protection Air Terminal .....	78.57	7.34
26 41 13 13-0007	EA 1/2" x 24" Copper Lightning Protection Air Terminal .....	87.29	7.34
26 41 13 13-0008	EA 1/2" x 60" Copper Lightning Protection Air Terminal .....	170.67	14.68
26 41 13 13-0009	Aluminum Lightning Protection Air Terminals <small>(26 41 13 13-0002)</small>		
26 41 13 13-0010	EA 3/8" x 10" Aluminum Lightning Protection Air Terminal .....	43.76	7.34
26 41 13 13-0011	EA 1/2" x 12" Aluminum Lightning Protection Air Terminal .....	55.83	7.34
26 41 13 13-0012	EA 5/8" x 12" Aluminum Lightning Protection Air Terminal .....	70.86	7.34
26 41 13 13-0013	EA 1/2" x 24" Aluminum Lightning Protection Air Terminal .....	78.78	7.34
26 41 13 13-0014	EA 1/2" x 60" Aluminum Lightning Protection Air Terminal .....	153.12	14.68
26 41 13 13-0015	Terminal Bases For Lightning Protection <small>(26 41 13 13-0001)</small>		
26 41 13 13-0016	Copper Lightning Protection Terminal Bases <small>(26 41 13 13-0015)</small>		
26 41 13 13-0017	EA Adhesive Base For Copper Lightning Protection Terminal .....	61.17	22.02
26 41 13 13-0018	EA Bolted Base For Copper Lightning Protection Terminal .....	78.75	29.35
26 41 13 13-0019	EA Hinged Base For Copper Lightning Protection Terminal .....	107.38	36.69
26 41 13 13-0020	EA Side Mounted Base For Copper Lightning Protection Terminal .....	78.75	29.35
26 41 13 13-0021	EA Offset Point Support For Copper Lightning Protection Terminal .....	84.81	29.35



<b>26</b>	<b>Electrical</b>
<b>26 40</b>	<b>Electrical And Cathodic Protection</b>
<b>26 41</b>	<b>Facility Lightning Protection</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 41 13 13-0022 EA Concealed Base Assembly For Copper Lightning Protection Terminal.....	149.25	58.70
26 41 13 13-0023 EA 36" Tripod Base For 60" Copper Lightning Protection Terminal.....	105.79	36.69
26 41 13 13-0024 EA Intermediate Base For Copper Lightning Protection Terminal.....	61.17	22.02
<b>26 41 13 13-0025 Aluminum Lightning Protection Terminal Bases (26 41 13 13-0015)</b>		
26 41 13 13-0026 EA Adhesive Base For Aluminum Lightning Protection Terminal.....	56.56	22.02
26 41 13 13-0027 EA Bolted Base For Aluminum Lightning Protection Terminal.....	77.12	29.35
26 41 13 13-0028 EA Hinged Base For Aluminum Lightning Protection Terminal.....	103.81	36.69
26 41 13 13-0029 EA Side Mounted Base For Aluminum Lightning Protection Terminal.....	77.37	29.35
26 41 13 13-0030 EA Offset Point Support For Aluminum Lightning Protection Terminal.....	80.97	29.35
26 41 13 13-0031 EA Concealed Base Assembly For Aluminum Lightning Protection Terminal.....	146.86	58.70
26 41 13 13-0032 EA 36" Tripod Base For 60" Aluminum Lightning Protection Terminal.....	100.39	36.69
26 41 13 13-0033 EA Intermediate Base For Aluminum Lightning Protection Terminal.....	56.56	22.02
<b>26 41 13 13-0034 Connectors (26 41 13 13-0001)</b>		
<b>26 41 13 13-0035 Copper Cable Connectors (26 41 13 13-0034)</b>		
26 41 13 13-0036 EA Thru Wall Cable Connector For Copper Lightning Protection System.....	123.42	36.69
26 41 13 13-0037 EA Thru Roof Adapter Assembly For Copper Lightning Protection System.....	165.63	58.70
26 41 13 13-0038 EA Beam Connector For Copper Lightning Protection System.....	108.48	36.69
26 41 13 13-0039 EA Double Bolt Cable Connector For Copper Lightning Protection System.....	26.66	7.34
26 41 13 13-0040 EA Cable To Bar Connector For Copper Lightning Protection System.....	27.68	7.34
26 41 13 13-0041 EA Tee Connector For Copper Lightning Protection Terminal.....	83.56	22.02
<b>26 41 13 13-0042 Aluminum Cable Connectors (26 41 13 13-0034)</b>		
26 41 13 13-0043 EA Thru Wall Cable Connector For Aluminum Lightning Protection System.....	114.86	36.69
26 41 13 13-0044 EA Thru Roof Adapter Assembly For Aluminum Lightning Protection System.....	161.62	58.70
26 41 13 13-0045 EA Beam Connector For Aluminum Lightning Protection System.....	107.15	36.69
26 41 13 13-0046 EA Double Bolt Cable Connector For Aluminum Lightning Protection System.....	25.51	7.34
26 41 13 13-0047 EA Tee Connector For Aluminum Lightning Protection Terminal.....	75.44	22.02
<b>26 41 13 13-0048 Bonding Plates (26 41 13 13-0001)</b>		
<b>26 41 13 13-0049 Copper Bonding Plates (26 41 13 13-0048)</b>		
26 41 13 13-0050 EA 8" Square I Beam Bonding Plate For Copper Lightning Protection System.....	94.04	36.69
26 41 13 13-0051 EA 8" Square Purlin Bonding Plate For Copper Lightning Protection System.....	97.74	36.69
26 41 13 13-0052 EA 16" Square Bonding Plate For Copper Lightning Protection System.....	143.32	58.70
<b>26 41 13 13-0053 Aluminum Bonding Plates (26 41 13 13-0048)</b>		
26 41 13 13-0054 EA 8" Square I Beam Bonding Plate For Aluminum Lightning Protection System.....	90.46	36.69
26 41 13 13-0055 EA 8" Square Purlin Bonding Plate For Aluminum Lightning Protection System.....	94.57	36.69
26 41 13 13-0056 EA 16" Square Bonding Plate For Aluminum Lightning Protection System.....	136.33	58.70
<b>26 41 13 13-0057 Cable Supports (26 41 13 13-0001)</b>		
<b>26 41 13 13-0058 Copper Cable Supports (26 41 13 13-0057)</b>		
26 41 13 13-0059 EA Cable Supports For Copper Lightning Protection System.....	16.15	7.34
26 41 13 13-0060 EA Adhesive Cable Supports For Copper Lightning Protection System.....	17.31	7.34
<b>26 41 13 13-0061 Aluminum Cable Supports (26 41 13 13-0057)</b>		
26 41 13 13-0062 EA Cable Supports For Aluminum Lightning Protection System.....	16.01	7.34
26 41 13 13-0063 EA Adhesive Cable Supports For Aluminum Lightning Protection System.....	16.78	7.34
<b>26 41 13 13-0064 Bonding Straps (26 41 13 13-0001)</b>		
<b>26 41 13 13-0065 Copper Bonding Straps (26 41 13 13-0064)</b>		
26 41 13 13-0066 EA 3/4" x 9-1/2" Flex Braided Strap For Copper Lightning Protection System.....	50.04	22.02
<b>26 41 13 13-0067 Aluminum Bonding Straps (26 41 13 13-0064)</b>		
26 41 13 13-0068 EA 3/4" x 9-1/2" Flex Braided Strap For Aluminum Lightning Protection System.....	47.83	22.02
<b>26 41 13 13-0069 Accessories For Lightning Protection (26 41 13 13-0001)</b>		
See CSI section 26 05 26 00-0001 for conductors straps and conduit jumpers.		
<b>26 41 13 13-0070 Copper Adapters (26 41 13 13-0069)</b>		
26 41 13 13-0071 EA Swivel Adapters For Copper Lightning Protection System.....	20.98	3.67
<b>26 41 13 13-0072 Aluminum Adapters (26 41 13 13-0069)</b>		
26 41 13 13-0073 EA Swivel Adapters For Aluminum Lightning Protection System.....	21.76	3.67



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 41 13 13-0074	EA			Floor Ground Receptacle For Aluminum Lightning Protection System.....	124.96	36.69
<b>26 41 23 Lightning Protection Surge Arresters And Suppressors (26 41)</b>						
26 41 23 00-0001				<b>Surge And Lightning Arrestors (26 41 23)</b>		
26 41 23 00-0002				<b>Metal Top Intermediate Type IMX (26 41 23 00-0001)</b>		
Note: For outdoor construction, single phase.						
26 41 23 00-0003	EA			3 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase.....	826.13	165.13
26 41 23 00-0004	EA			4.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase.....	903.27	165.13
26 41 23 00-0005	EA			6 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase.....	903.27	165.13
26 41 23 00-0006	EA			7.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase.....	1,046.52	165.13
26 41 23 00-0007	EA			9 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase.....	1,046.52	165.13
26 41 23 00-0008	EA			10 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase.....	1,165.52	165.13
26 41 23 00-0009	EA			12 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase.....	1,165.52	165.13
26 41 23 00-0010	EA			15 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase.....	1,600.70	206.42
26 41 23 00-0011	EA			18 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase.....	1,662.40	206.42
26 41 23 00-0012	EA			21 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase.....	1,815.22	247.70
26 41 23 00-0013	EA			24 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase.....	1,973.89	247.70
26 41 23 00-0014	EA			27 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase.....	2,372.79	247.70
26 41 23 00-0015				<b>Porcelain Top Intermediate Type IMX (26 41 23 00-0001)</b>		
Note: For cubicle mounting, single phase.						
26 41 23 00-0016	EA			3 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	826.13	165.13
26 41 23 00-0017	EA			4.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	903.27	165.13
26 41 23 00-0018	EA			6 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	903.27	165.13
26 41 23 00-0019	EA			7.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,046.52	165.13
26 41 23 00-0020	EA			9 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,046.52	165.13
26 41 23 00-0021	EA			10 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,165.52	165.13
26 41 23 00-0022	EA			12 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,165.52	165.13
26 41 23 00-0023	EA			15 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,600.70	206.42
26 41 23 00-0024	EA			18 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,662.40	206.42
26 41 23 00-0025	EA			21 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,815.22	247.70
26 41 23 00-0026	EA			24 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	1,973.89	247.70
26 41 23 00-0027	EA			27 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase.....	2,372.79	247.70
26 41 23 00-0028				<b>IMX Accessories (26 41 23 00-0001)</b>		
26 41 23 00-0029	EA			1 Crossarm Bracket Reversible 3-27 KV IMX.....	667.46	165.13
26 41 23 00-0030	EA			Single Unit Horizontal Pole Mounted Bracket (IMX).....	658.64	165.13
26 41 23 00-0031	EA			3 Unit Horizontal Pole Mounted Bracket (IMX).....	592.61	165.13
26 41 23 00-0032				<b>Lightning Arrestor And Cutouts (26 41 23 00-0001)</b>		
26 41 23 00-0033	EA			3 KV La Distribution Class, Lightning Arrestor.....	420.63	165.13
26 41 23 00-0034	EA			3 KV La Interior Class, Lightning Arrestor.....	884.84	165.13
26 41 23 00-0035	EA			3 KV La Station Class, Lightning Arrestor.....	826.13	165.13
26 41 23 00-0036	EA			9 KV La Distribution Class, Lightning Arrestor.....	469.11	165.13
26 41 23 00-0037	EA			9 KV La Interior Class, Lightning Arrestor.....	1,013.37	165.13
26 41 23 00-0038	EA			9 KV La Station Class, Lightning Arrestor.....	1,046.52	165.13
26 41 23 00-0039	EA			5 KV Enclosed Fused Cutout.....	544.48	165.13
26 41 23 00-0040	EA			15 KV Open Fused Cutout.....	573.71	206.42
26 41 23 00-0041	EA			18 KV La Distribution Class, Lightning Arrestor.....	443.61	165.13
26 41 23 00-0042	EA			18 KV La Interior Class, Lightning Arrestor.....	1,082.07	165.13
<b>26 43 Surge Protective Devices (26 40)</b>						
<b>26 43 13 Surge Protective Devices for Low-Voltage Electrical Power Circuits (26 43)</b>						
26 43 13 00-0001				<b>25 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression (26 43 13)</b>		
Note: Liebert LPL						
26 43 13 00-0002	EA			120/240 Volt AC Single Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	207.89	18.35
26 43 13 00-0003	EA			208 Volt AC Three Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	225.26	18.35
26 43 13 00-0004	EA			240/120 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	232.60	22.02
26 43 13 00-0005	EA			277 Volt AC Single Phase, 2 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	195.59	14.68
26 43 13 00-0006	EA			480/277 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	232.60	22.02
26 43 13 00-0007				<b>50 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression (26 43 13)</b>		
Note: Liebert LPL						
26 43 13 00-0008	EA			120/240 Volt AC Single Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	293.49	18.35
26 43 13 00-0009	EA			208/120 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	310.76	22.02
26 43 13 00-0010	EA			208 Volt AC Three Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	303.42	18.35
26 43 13 00-0011	EA			480/277 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	310.76	22.02
26 43 13 00-0012				<b>100 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression (26 43 13)</b>		
Note: Liebert LPL						
26 43 13 00-0013	EA			120/240 Volt AC Single Phase, 3 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	358.01	18.35

**26 Electrical****26 40 Electrical And Cathodic Protection****26 43 Surge Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0014 EA 208/120 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	375.27	22.02
26 43 13 00-0015 EA 277 Volt AC Single Phase, 2 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	335.78	14.68
26 43 13 00-0016 EA 480/277 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	375.27	22.02
<b>26 43 13 00-0017 100 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression (26 43 13)</b> Note: Liebert LPM		
26 43 13 00-0018 EA 120/240 Volt AC Single Phase, 3 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor.....	425.00	18.35
26 43 13 00-0019 EA 208/120 Volt AC Three Phase, 4 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor.....	478.24	22.02
26 43 13 00-0020 EA 277 Volt AC Three Phase, 2 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor.....	404.01	14.68
<b>26 43 13 00-0021 160 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression (26 43 13)</b> Note: Liebert LPM		
26 43 13 00-0022 EA 208/120 Volt AC Single Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor.....	757.37	22.02
26 43 13 00-0023 EA 208 Volt AC Three Phase, 3 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor.....	750.03	18.35
26 43 13 00-0024 EA 480/277 Volt AC Three Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor.....	757.37	22.02
<b>26 43 13 00-0025 250 kA, 500 Joule Transient Voltage Surge Suppression (26 43 13)</b> Note: Liebert Interceptor Hybrid.		
26 43 13 00-0026 EA LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor.....	4,450.61	36.69
26 43 13 00-0027 EA Audible Alarm/LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor.....	5,443.09	36.69
<b>26 43 13 00-0028 Class 1310 Transient Voltage Surge Suppression (26 43 13)</b> Note: Supplied with audible alarm, alarm enable/disable switch and dry contacts. Square D.		
<b>26 43 13 00-0029 NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor (26 43 13 00-0028)</b> Note: Square D. EMA series.		
26 43 13 00-0030 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,544.94	95.39
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0031 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,906.28	110.07
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0032 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,731.27	128.41
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0033 EA 320 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,642.54	146.75
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0034 EA 480 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	11,320.38	201.79
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0035 EA 120 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,702.09	95.39
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0036 EA 160 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,078.91	110.07
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0037 EA 240 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,997.97	128.41
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0038 EA 320 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,988.91	146.75
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0039 EA 480 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	11,854.88	201.79
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0040 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,702.09	95.39
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0041 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,078.91	110.07
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0042 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,997.94	128.41
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0043 EA 320 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,988.91	146.75
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0044 EA 480 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	11,854.88	201.79
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0045 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,859.24	95.39
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0046 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,253.76	110.07
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0047 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,266.87	128.41
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0048 EA 320 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	8,337.55 265.68 203.04	146.75
26 43 13 00-0049 EA 480 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	12,391.55 265.68 203.04	201.79
26 43 13 00-0050 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,041.83 265.68 203.04	95.39
26 43 13 00-0051 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,435.27 265.68 203.04	110.07
26 43 13 00-0052 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	6,547.96 265.68 203.04	128.41
26 43 13 00-0053 EA 320 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	8,702.73 265.68 203.04	146.75
26 43 13 00-0054 EA 480 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	12,193.98 265.68 203.04	201.79
<b>26 43 13 00-0055 NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor</b> <small>(26 43 13 00-0028)</small> Note: Square D EBA series.		
26 43 13 00-0056 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	2,748.20 265.68 203.04	95.39
26 43 13 00-0057 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	3,324.23 265.68 203.04	110.07
26 43 13 00-0058 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,896.89 265.68 203.04	128.41
26 43 13 00-0059 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	2,837.83 265.68 203.04	95.39
26 43 13 00-0060 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	3,457.02 265.68 203.04	110.07
26 43 13 00-0061 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	5,070.63 265.68 203.04	128.41
26 43 13 00-0062 EA 120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	2,837.83 265.68 203.04	95.39
26 43 13 00-0063 EA 160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	3,457.02 265.68 203.04	110.07
26 43 13 00-0064 EA 240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	5,070.63 265.68 203.04	128.41
26 43 13 00-0065 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	2,951.81 265.68 203.04	95.39
26 43 13 00-0066 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	3,599.78 265.68 203.04	110.07
26 43 13 00-0067 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	5,293.05 265.68 203.04	128.41
26 43 13 00-0068 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	3,071.33 265.68 203.04	95.39
26 43 13 00-0069 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	3,751.38 265.68 203.04	110.07
26 43 13 00-0070 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	5,526.55 265.68 203.04	128.41
<b>26 43 13 00-0071 NEMA 4X Modular Device Transient Voltage Surge Suppressor</b> <small>(26 43 13 00-0028)</small> Note: Square D EMA series. Stainless steel.		
26 43 13 00-0072 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,590.69 265.68 203.04	95.39
26 43 13 00-0073 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,952.03 265.68 203.04	110.07
26 43 13 00-0074 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	6,777.02 265.68 203.04	128.41

<b>26</b>	<b>Electrical</b>
<b>26 40</b>	<b>Electrical And Cathodic Protection</b>
<b>26 43</b>	<b>Surge Protective Devices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0075 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,747.84 265.68 203.04	95.39
26 43 13 00-0076 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	5,124.66 265.68 203.04	110.07
26 43 13 00-0077 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	7,043.73 265.68 203.04	128.41
26 43 13 00-0078 EA 120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,747.84 265.68 203.04	95.39
26 43 13 00-0079 EA 160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	5,124.66 265.68 203.04	110.07
26 43 13 00-0080 EA 240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	7,043.70 265.68 203.04	128.41
26 43 13 00-0081 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,904.99 265.68 203.04	95.39
26 43 13 00-0082 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	5,299.51 265.68 203.04	110.07
26 43 13 00-0083 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	7,312.63 265.68 203.04	128.41
26 43 13 00-0084 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	5,087.58 265.68 203.04	95.39
26 43 13 00-0085 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	5,481.02 265.68 203.04	110.07
26 43 13 00-0086 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	7,593.71 265.68 203.04	128.41
<b>26 43 13 00-0087 NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor (26 43 13 00- 0028) Note: Square D EBA series. Stainless steel.</b>		
26 43 13 00-0088 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	3,793.95 265.68 203.04	95.39
26 43 13 00-0089 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,369.98 265.68 203.04	110.07
26 43 13 00-0090 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	5,942.64 265.68 203.04	128.41
26 43 13 00-0091 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	3,883.58 265.68 203.04	95.39
26 43 13 00-0092 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,502.77 265.68 203.04	110.07
26 43 13 00-0093 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	6,116.38 265.68 203.04	128.41
26 43 13 00-0094 EA 120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	3,883.58 265.68 203.04	95.39
26 43 13 00-0095 EA 160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,502.77 265.68 203.04	110.07
26 43 13 00-0096 EA 240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	6,116.38 265.68 203.04	128.41
26 43 13 00-0097 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	3,997.57 265.68 203.04	95.39
26 43 13 00-0098 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,645.53 265.68 203.04	110.07
26 43 13 00-0099 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	6,338.80 265.68 203.04	128.41
26 43 13 00-0100 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,117.09 265.68 203.04	95.39
26 43 13 00-0101 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,797.13 265.68 203.04	110.07
26 43 13 00-0102 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	6,572.30 265.68 203.04	128.41



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Electrical And Cathodic Protection</b>	<b>26 40</b>	
<b>Surge Protective Devices</b>	<b>26 43</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 26 50 Lighting <sup>(26)</sup>

Note: Light fixtures include testing of fixture, a set of lamps (light bulbs), wire nuts, ground wire connector, fixture whip, ballast(s), mounting brackets where necessary and cable connectors. Lay-in fixtures include support wire, clips and seismic supports.

### 26 51 Interior Lighting <sup>(26 50)</sup>

#### 26 51 13 Incandescent Interior Lighting <sup>(26 51)</sup>

##### 26 51 13 00-0001 Removal And Reinstallation Of Light Fixtures <sup>(26 51 13)</sup>

Note: Includes disconnection of wire, on-site storage, general cleaning, installation and electrical wire hook-up.

26 51 13 00-0002	EA	Removal And Reinstallation Of Lay-In Fluorescent Light Fixture.....	78.16	
26 51 13 00-0003	EA	Removal And Reinstallation Of Surface Mounted Or Pendant Light Fixture.....	89.32	

##### 26 51 13 00-0004 Recessed Fixtures <sup>(26 51 13)</sup>

Note: Housing and trim priced separately.

##### 26 51 13 00-0005 Incandescent, Recessed Fixture Housings <sup>(26 51 13 00-0004)</sup>

26 51 13 00-0006	EA	4" Round, Incandescent, T Or ICT Recessed Fixture Housing.....	50.53	20.98
		<i>For ICAT Housing, Add</i>	2.45	
26 51 13 00-0007	EA	5" Round, Incandescent, T Or ICT Recessed Fixture Housing.....	50.53	20.98
		<i>For ICAT Housing, Add</i>	2.45	
26 51 13 00-0008	EA	6" Round, Incandescent, T Or ICT Recessed Fixture Housing.....	53.64	22.02
		<i>For ICAT Housing, Add</i>	2.66	
26 51 13 00-0009	EA	7" Round, Incandescent, T Or ICT Recessed Fixture Housing.....	56.85	22.97
		<i>For ICAT Housing, Add</i>	2.88	
26 51 13 00-0010	EA	8" Round, Incandescent, T Or ICT Recessed Fixture Housing.....	60.07	23.92
		<i>For ICAT Housing, Add</i>	3.11	
26 51 13 00-0011	EA	10" To 12" Square, Incandescent, T Or ICT Recessed Fixture Housing.....	61.27	25.38
		<i>For ICAT Housing, Add</i>	2.98	

##### 26 51 13 00-0012 Recessed Fixture Trim <sup>(26 51 13 00-0004)</sup>

26 51 13 00-0013	EA	Circular, Recessed Fixture Trim.....	38.90	10.28
26 51 13 00-0014	EA	Circular Clear Lens, Recessed Fixture Trim.....	43.20	10.28
26 51 13 00-0015	EA	Open/Baffle, Recessed Fixture Trim.....	50.66	10.28
26 51 13 00-0016	EA	Specular Reflector, Recessed Fixture Trim.....	54.61	10.28
26 51 13 00-0017	EA	Eyeball, Recessed Fixture Trim.....	43.27	10.28
26 51 13 00-0018	EA	10" To 12" Square, Clear Lens, Recessed Fixture Trim.....	40.96	10.28
26 51 13 00-0019	EA	10" To 12" Square, Drop Dish, Recessed Fixture Trim.....	43.61	10.28

##### 26 51 13 00-0020 Track Lighting <sup>(26 51 13)</sup>

##### 26 51 13 00-0021 Track Lighting Tracks <sup>(26 51 13 00-0020)</sup>

26 51 13 00-0022	LF	1 Circuit Track Lighting Track.....	25.54	4.84
26 51 13 00-0023	LF	2 Circuit Track Lighting Track.....	34.56	4.84
26 51 13 00-0024	LF	3 Circuit Track Lighting Track.....	42.16	4.84
26 51 13 00-0025	LF	4 Circuit Track Lighting Track.....	49.75	5.87

##### 26 51 13 00-0026 Incandescent Track Lighting Fixtures <sup>(26 51 13 00-0020)</sup>

26 51 13 00-0027	EA	Incandescent Track Lighting Fixture.....	50.28	12.25
26 51 13 00-0028	EA	Par 20 Track Fixture, White Or Black Finish, 120 Volt.....	62.35	12.25
26 51 13 00-0029	EA	Par 30 Track Fixture, White Or Black Finish, 120 Volt.....	96.32	12.25
26 51 13 00-0030	EA	Par 38 Track Fixture, White Or Black Finish, 120 Volt.....	99.69	12.25
26 51 13 00-0031	EA	PAR 16, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	77.73	12.25
26 51 13 00-0032	EA	PAR 20, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	62.35	12.25
26 51 13 00-0033	EA	PAR 30, Baffled Cylinder Track Fixture, White or Black Finish.....	76.11	12.25
		Note: 120V.		
26 51 13 00-0034	EA	PAR 38, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt.....	103.06	12.25

##### 26 51 13 00-0035 Track Lighting Accessories <sup>(26 51 13 00-0020)</sup>

##### 26 51 13 00-0036 Pendant Mounting <sup>(26 51 13 00-0035)</sup>

26 51 13 00-0037	EA	Track Lighting Pendant Mounting, Up to 12".....	24.08	
26 51 13 00-0038	EA	Track Lighting Pendant Mounting, >12" To 24".....	32.94	
26 51 13 00-0039	EA	Track Lighting Pendant Mounting, >24" To 36".....	40.81	

##### 26 51 13 00-0040 Wet Location, Dust Resistant, Vapor Tight Fixtures <sup>(26 51 13)</sup>

##### 26 51 13 00-0041 Incandescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures <sup>(26 51 13 00-0040)</sup>

26 51 13 00-0042	EA	100 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	131.39	29.35
		<i>For Wall Mounted, Add</i>	5.10	
26 51 13 00-0043	EA	200 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	158.97	29.35
		<i>For Wall Mounted, Add</i>	5.10	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**26 51 16 Fluorescent Interior Lighting** (26 51)

26 51 16 00-0001		Fluorescent Fixtures <small>(26 51 16)</small>		
26 51 16 00-0002		Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 16 00-0001)</small>		
26 51 16 00-0003		6" x 2', Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 16 00-0002)</small>		
26 51 16 00-0004	EA	1 T8 Lamp, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture.....	110.76	21.00
26 51 16 00-0005	EA	2 T8 Lamps, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture.....	124.42	21.00
26 51 16 00-0006		6" x 4', Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 16 00-0002)</small>		
26 51 16 00-0007	EA	1 T8 Lamp, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture.....	124.87	21.87
26 51 16 00-0008	EA	2 T8 Lamps, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture.....	139.55	21.87
26 51 16 00-0009		1' x 4', Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 16 00-0002)</small>		
26 51 16 00-0010	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture.....	148.77	24.55
26 51 16 00-0011	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture.....	176.39	24.55
26 51 16 00-0012	EA	4 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture.....	206.82	24.55
26 51 16 00-0013		2' x 2', Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 16 00-0002)</small>		
26 51 16 00-0014	EA	2 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture.....	121.52	26.84
26 51 16 00-0015	EA	3 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture.....	140.55	26.84
26 51 16 00-0016		2' x 4', Surface Mounted, Wraparound Fluorescent Fixtures <small>(26 51 16 00-0002)</small>		
26 51 16 00-0017	EA	2 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture.....	190.57	31.26
26 51 16 00-0018	EA	3 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture.....	204.87	31.26
26 51 16 00-0019	EA	4 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture.....	232.45	31.26
26 51 16 00-0020		Surface Mounted, Box Type Fluorescent Fixtures <small>(26 51 16 00-0001)</small>		
		Note: Includes prismatic lens.		
26 51 16 00-0021		1' x 4', Surface Mounted, Box Type Fluorescent Fixtures <small>(26 51 16 00-0020)</small>		
26 51 16 00-0022	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	147.93	24.35
26 51 16 00-0023	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	240.97	24.35
26 51 16 00-0024	EA	4 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	274.74	24.35
26 51 16 00-0025		2' x 2', Surface Mounted, Box Type Fluorescent Fixtures <small>(26 51 16 00-0020)</small>		
26 51 16 00-0026	EA	2 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture.....	232.59	26.84
26 51 16 00-0027	EA	3 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture.....	254.04	26.84
26 51 16 00-0028	EA	4 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture.....	269.49	26.84
26 51 16 00-0029		2' x 4', Surface Mounted, Box Type Fluorescent Fixtures <small>(26 51 16 00-0020)</small>		
26 51 16 00-0030	EA	2 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	235.27	31.26
26 51 16 00-0031	EA	3 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	257.86	31.26
26 51 16 00-0032	EA	4 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	270.13	31.26
26 51 16 00-0033	EA	6 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	288.63	31.26
26 51 16 00-0034		4' x 4', Surface Mounted, Box Type Fluorescent Fixtures <small>(26 51 16 00-0020)</small>		
26 51 16 00-0035	EA	4 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	467.25	40.25
26 51 16 00-0036	EA	6 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	474.22	40.25
26 51 16 00-0037	EA	8 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture.....	453.90	40.25
26 51 16 00-0038		Recessed Fluorescent Fixtures <small>(26 51 16 00-0001)</small>		
26 51 16 00-0039		Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0038)</small>		
26 51 16 00-0040		1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture <small>(26 51 16 00-0039)</small>		
26 51 16 00-0041	EA	2 T8 Lamps, 1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture.....	150.96	21.00
		For Drywall Or Plaster Ceilings, Add	14.19	
26 51 16 00-0042		1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture <small>(26 51 16 00-0039)</small>		
26 51 16 00-0043	EA	2 T8 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture.....	195.32	24.35
		For Drywall Or Plaster Ceilings, Add	16.61	
26 51 16 00-0044	EA	2 T5 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture.....	352.42	24.35
		For Drywall Or Plaster Ceilings, Add	16.61	
26 51 16 00-0045		2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture <small>(26 51 16 00-0039)</small>		



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0046	EA		2 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	198.75 18.11	26.84
26 51 16 00-0047	EA		3 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	226.75 18.11	26.84
26 51 16 00-0048	EA		4 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	229.96 18.12	26.84
26 51 16 00-0049	EA		2 T5 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	248.07 18.11	26.84
<b>26 51 16 00-0050</b>			<b>2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture</b> <small>(26 51 16 00-0039)</small>		
26 51 16 00-0051	EA		2 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	193.45 21.13	31.26
26 51 16 00-0052	EA		3 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	265.84 21.13	31.26
26 51 16 00-0053	EA		4 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	269.33 21.13	31.26
26 51 16 00-0054	EA		6 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	300.15 21.13	31.26
26 51 16 00-0055	EA		2 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	259.84 21.13	31.26
26 51 16 00-0056	EA		3 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	352.72 21.13	31.26
26 51 16 00-0057	EA		4 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	361.63 21.13	31.26
<b>26 51 16 00-0058</b>			<b>Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0038)</small>		
<b>26 51 16 00-0059</b>			<b>1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0058)</small>		
26 51 16 00-0060	EA		1 T8 Lamp, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture..... <i>For Drywall Or Plaster Ceilings, Add</i>	174.25 14.19	21.00
26 51 16 00-0061	EA		2 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	177.46 14.19	21.00
26 51 16 00-0062	EA		3 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	207.16 14.19	21.00
<b>26 51 16 00-0063</b>			<b>1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0058)</small>		
26 51 16 00-0064	EA		1 T8 Lamp, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture..... <i>For Drywall Or Plaster Ceilings, Add</i>	197.89 16.61	24.35
26 51 16 00-0065	EA		2 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	201.37 16.61	24.35
26 51 16 00-0066	EA		3 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	226.63 16.61	24.35
<b>26 51 16 00-0067</b>			<b>2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0058)</small>		
26 51 16 00-0068	EA		2 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	204.51 18.12	26.84
26 51 16 00-0069	EA		3 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	207.72 18.12	26.84
26 51 16 00-0070	EA		4 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	236.99 18.12	26.84
<b>26 51 16 00-0071</b>			<b>2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0058)</small>		
26 51 16 00-0072	EA		2 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	193.45 21.13	31.26
26 51 16 00-0073	EA		3 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	224.87 21.13	31.26
26 51 16 00-0074	EA		4 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	254.75 21.13	31.26
26 51 16 00-0075	EA		6 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	288.22 21.13	31.26
<b>26 51 16 00-0076</b>			<b>Direct-Indirect, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0038)</small>		
<b>26 51 16 00-0077</b>			<b>1' x 4', Direct-Indirect, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0076)</small>		
26 51 16 00-0078	EA		1 T8 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	364.09 16.61	24.35
26 51 16 00-0079	EA		2 T8 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	367.58 16.61	24.35
26 51 16 00-0080	EA		1 T5 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture..... <i>For Drywall Or Plaster Ceilings, Add</i>	432.20 16.61	24.35
26 51 16 00-0081	EA		2 T5 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	441.11 16.61	24.35
<b>26 51 16 00-0082</b>			<b>2' x 2', Direct-Indirect, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0076)</small>		



<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 51</b>	<b>Interior Lighting</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0083	EA		2 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	292.19 18.11	26.84
26 51 16 00-0084	EA		3 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	325.51 18.11	26.84
26 51 16 00-0085	EA		2 T5 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	399.21 18.11	26.84
<b>26 51 16 00-0086</b>			<b>2' x 4', Direct-Indirect, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0076)</small>		
26 51 16 00-0087	EA		2 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	327.29 21.13	31.26
26 51 16 00-0088	EA		3 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	402.33 21.13	31.26
26 51 16 00-0089	EA		1 T5 Lamp, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	427.28 21.13	31.26
26 51 16 00-0090	EA		2 T5 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	470.45 21.13	31.26
<b>26 51 16 00-0091</b>			<b>Volumetric, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0038)</small>		
<b>26 51 16 00-0092</b>			<b>1' x 4', Volumetric, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0091)</small>		
26 51 16 00-0093	EA		2 T8 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	285.52 16.61	24.35
26 51 16 00-0094	EA		2 T5 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	375.55 16.61	24.35
<b>26 51 16 00-0095</b>			<b>2' x 2', Volumetric, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0091)</small>		
26 51 16 00-0096	EA		2 T8 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	285.27 18.11	26.84
26 51 16 00-0097	EA		2 T5 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	325.53 18.11	26.84
<b>26 51 16 00-0098</b>			<b>2' x 4', Volumetric, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0091)</small>		
26 51 16 00-0099	EA		2 T8 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	316.86 21.13	31.26
26 51 16 00-0100	EA		2 T5 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	317.53 21.13	31.26
<b>26 51 16 00-0101</b>			<b>Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0038)</small>		
<b>26 51 16 00-0102</b>			<b>1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0101)</small>		
26 51 16 00-0103	EA		2 T8 Lamps, 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	267.56 16.61	24.35
<b>26 51 16 00-0104</b>			<b>2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0101)</small>		
26 51 16 00-0105	EA		2 T8 Lamps, 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	257.67 18.11	26.84
<b>26 51 16 00-0106</b>			<b>2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0101)</small>		
26 51 16 00-0107	EA		2 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	310.26 21.13	31.26
26 51 16 00-0108	EA		3 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	346.52 21.13	31.26
26 51 16 00-0109	EA		4 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	355.55 21.13	31.26
<b>26 51 16 00-0110</b>			<b>Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0038)</small>		
<b>26 51 16 00-0111</b>			<b>1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0110)</small>		
26 51 16 00-0112	EA		2 T8 Lamps, 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	255.33 16.61	24.35
<b>26 51 16 00-0113</b>			<b>2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> <small>(26 51 16 00-0110)</small>		
26 51 16 00-0114	EA		2 T8 Lamps, 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	257.37 18.11	26.84



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 51 16 00-0115</b> 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0110)</small>		
26 51 16 00-0116 EA 2 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	317.12 21.13	31.26
26 51 16 00-0117 EA 3 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	322.99 21.13	31.26
26 51 16 00-0118 EA 4 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture ..... <i>For Drywall Or Plaster Ceilings, Add</i>	331.54 21.13	31.26
<b>26 51 16 00-0119</b> Striplight Fluorescent Fixtures <small>(26 51 16 00-0001)</small>		
<b>26 51 16 00-0120</b> 1 Lamp Cross Section, Striplight Fluorescent Fixtures <small>(26 51 16 00-0119)</small>		
26 51 16 00-0121 EA 1 T8 Lamp, 1-1/2' Length, Striplight Fluorescent Fixture .....	113.12	20.13
26 51 16 00-0122 EA 1 T8 Lamp, 2' Length, Striplight Fluorescent Fixture.....	137.14	20.13
26 51 16 00-0123 EA 1 T8 Lamp, 3' Length, Striplight Fluorescent Fixture.....	135.79	22.33
26 51 16 00-0124 EA 1 T8 Lamp, 4' Length, Striplight Fluorescent Fixture.....	138.83	24.55
26 51 16 00-0125 EA 1 T8 Lamp, 8' Length, Striplight Fluorescent Fixture.....	169.12	29.08
<b>26 51 16 00-0126</b> 2 Lamp Cross Section, Striplight Fluorescent Fixtures <small>(26 51 16 00-0119)</small>		
26 51 16 00-0127 EA 2 T8 Lamps, 2' Length, Striplight Fluorescent Fixture.....	138.39	22.33
26 51 16 00-0128 EA 2 T8 Lamps, 3' Length, Striplight Fluorescent Fixture.....	142.97	24.55
26 51 16 00-0129 EA 2 T8 Lamps, 4' Length, Striplight Fluorescent Fixture.....	145.66	26.84
<b>26 51 16 00-0130</b> 3 Lamp Cross Section, Striplight Fluorescent Fixtures <small>(26 51 16 00-0119)</small>		
26 51 16 00-0131 EA 3 T8 Lamps, 2' Length, Striplight Fluorescent Fixture.....	198.57	22.33
26 51 16 00-0132 EA 3 T8 Lamps, 3' Length, Striplight Fluorescent Fixture.....	193.16	24.55
26 51 16 00-0133 EA 3 T8 Lamps, 4' Length, Striplight Fluorescent Fixture.....	195.54	26.84
<b>26 51 16 00-0134</b> Display Case Fluorescent Fixtures <small>(26 51 16 00-0119)</small>		
26 51 16 00-0135 EA 1 T8 Lamp, 1-1/2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU15W) .....	82.45	22.02
26 51 16 00-0136 EA 1 T8 Lamp, 2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU20W).....	105.84	22.02
26 51 16 00-0137 EA 1 T8 Lamp, 3' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU30W).....	114.39	25.68
26 51 16 00-0138 EA 1 T8 Lamp, 4' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU40W).....	117.32	25.68
<b>26 51 16 00-0139</b> Industrial Fluorescent Fixtures <small>(26 51 16 00-0001)</small>		
<b>26 51 16 00-0140</b> 1 Lamp Cross Section, Industrial Fluorescent Fixtures <small>(26 51 16 00-0139)</small>		
26 51 16 00-0141 EA 1 T8 Lamp, 2' Length, Industrial Fluorescent Fixture .....	159.66	20.13
26 51 16 00-0142 EA 1 T8 Lamp, 4' Length, Industrial Fluorescent Fixture .....	169.24	24.55
26 51 16 00-0143 EA 1 T8 Lamp, 8' Length, Industrial Fluorescent Fixture .....	304.76	31.26
<b>26 51 16 00-0144</b> 2 Lamp Cross Section, Industrial Fluorescent Fixtures <small>(26 51 16 00-0139)</small>		
26 51 16 00-0145 EA 2 T8 Lamps, 2' Length, Industrial Fluorescent Fixture .....	166.22	22.33
26 51 16 00-0146 EA 2 T8 Lamps, 4' Length, Industrial Fluorescent Fixture .....	176.08	26.84
26 51 16 00-0147 EA 2 T8 Lamps, 8' Length, Industrial Fluorescent Fixture .....	311.73	31.26
<b>26 51 16 00-0148</b> 3 Lamp Cross Section, Industrial Fluorescent Fixtures <small>(26 51 16 00-0139)</small>		
26 51 16 00-0149 EA 3 T8 Lamps, 2' Length, Industrial Fluorescent Fixture .....	173.40	22.33
26 51 16 00-0150 EA 3 T8 Lamps, 4' Length, Industrial Fluorescent Fixture .....	182.55	26.84
26 51 16 00-0151 EA 3 T8 Lamps, 8' Length, Industrial Fluorescent Fixture .....	273.65	31.26
<b>26 51 16 00-0152</b> 4 Lamp Cross Section, Industrial Fluorescent Fixtures <small>(26 51 16 00-0139)</small>		
26 51 16 00-0153 EA 4 T8 Lamps, 4' Length, Industrial Fluorescent Fixture .....	246.86	26.84
26 51 16 00-0154 EA 4 T8 Lamps, 8' Length, Industrial Fluorescent Fixture .....	360.13	31.26
<b>26 51 16 00-0155</b> Flanged Fluorescent Fixture <small>(26 51 16 00-0001)</small>		
Note: For plaster or drywall application. With electronic ballast.		
26 51 16 00-0156 EA 2 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture .....	236.02	40.25
26 51 16 00-0157 EA 3 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture .....	279.26	40.25
26 51 16 00-0158 EA 4 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture .....	282.75	40.25
<b>26 51 16 00-0159</b> Undercabinet Fluorescent Fixtures <small>(26 51 16 00-0001)</small>		
26 51 16 00-0160 EA 1 T5 Lamp, 12-3/16" Length, Slimline Undercabinet Fluorescent Fixture .....	85.31	18.11
26 51 16 00-0161 EA 1 T5 Lamp, 21-3/16" Length, Slimline Undercabinet Fluorescent Fixture .....	99.66	22.13
26 51 16 00-0162 EA 2 T5 Lamps, 24-7/16" Length, Slimline Undercabinet Fluorescent Fixture .....	98.15	22.13
26 51 16 00-0163 EA 1 T5 Lamp, 33-7/16" Length, Slimline Undercabinet Fluorescent Fixture .....	117.79	24.15
26 51 16 00-0164 EA 2 T5 Lamps, 42-7/16" Length, Slimline Undercabinet Fluorescent Fixture .....	136.97	28.17



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0165	Corner Mounted, Fluorescent Fixtures <small>(26 51 16 00-0001)</small> Note: Includes acrylic drop dish diffuser.	
26 51 16 00-0166	2' Length, Corner Mounted, Fluorescent Fixtures <small>(26 51 16 00-0165)</small>	
26 51 16 00-0167 EA	1 T8 Lamp, 2' Length, Corner Mounted, Fluorescent Fixture.....	148.73 20.13
26 51 16 00-0168 EA	2 T8 Lamps, 2' Length, Corner Mounted, Fluorescent Fixture.....	165.80 20.13
26 51 16 00-0169	3' Length, Corner Mounted, Fluorescent Fixtures <small>(26 51 16 00-0165)</small>	
26 51 16 00-0170 EA	1 T8 Lamp, 3' Length, Corner Mounted, Fluorescent Fixture.....	169.76 21.13
26 51 16 00-0171 EA	2 T8 Lamps, 3' Length, Corner Mounted, Fluorescent Fixture.....	186.04 21.13
26 51 16 00-0172	4' Length, Corner Mounted, Fluorescent Fixtures <small>(26 51 16 00-0165)</small>	
26 51 16 00-0173 EA	1 T8 Lamp, 4' Length, Corner Mounted, Fluorescent Fixture.....	167.08 22.13
26 51 16 00-0174 EA	2 T8 Lamps, 4' Length, Corner Mounted, Fluorescent Fixture.....	183.67 22.13
26 51 16 00-0175	Wall Bracket, Fluorescent Fixtures <small>(26 51 16 00-0001)</small>	
26 51 16 00-0176	Wall Bracket, Fluorescent Fixtures (Lithonia W) <small>(26 51 16 00-0175)</small> Note: Includes extruded aluminum housing with brushed finish, acrylic diffuser and solid-state electronic ballast.	
26 51 16 00-0177	2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) <small>(26 51 16 00-0176)</small>	
26 51 16 00-0178 EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	248.41 33.76
26 51 16 00-0179 EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	251.14 33.76
26 51 16 00-0180	3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) <small>(26 51 16 00-0176)</small>	
26 51 16 00-0181 EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	350.31 33.76
26 51 16 00-0182 EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	354.12 33.76
26 51 16 00-0183	4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) <small>(26 51 16 00-0176)</small>	
26 51 16 00-0184 EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	367.91 33.76
26 51 16 00-0185 EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	370.64 33.76
26 51 16 00-0186	Wall Bracket, Fluorescent Fixtures (Lithonia WP) <small>(26 51 16 00-0175)</small> Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.	
26 51 16 00-0187	2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) <small>(26 51 16 00-0186)</small>	
26 51 16 00-0188 EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	378.66 33.76
26 51 16 00-0189 EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	381.39 33.76
26 51 16 00-0190	3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) <small>(26 51 16 00-0186)</small>	
26 51 16 00-0191 EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	296.61 33.76
26 51 16 00-0192 EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	300.42 33.76
26 51 16 00-0193	4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) <small>(26 51 16 00-0186)</small>	
26 51 16 00-0194 EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	343.10 33.76
26 51 16 00-0195 EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	345.83 33.76
26 51 16 00-0196	Wall Bracket, Fluorescent Fixtures (Lithonia WC) <small>(26 51 16 00-0175)</small> Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.	
26 51 16 00-0197	2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) <small>(26 51 16 00-0196)</small>	
26 51 16 00-0198 EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	233.56 33.76
26 51 16 00-0199 EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	236.29 33.76
26 51 16 00-0200	3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) <small>(26 51 16 00-0196)</small>	
26 51 16 00-0201 EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	234.64 33.76
26 51 16 00-0202 EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	238.46 33.76
26 51 16 00-0203	4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) <small>(26 51 16 00-0196)</small>	
26 51 16 00-0204 EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	222.18 33.76
26 51 16 00-0205 EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	224.91 33.76
26 51 16 00-0206	Low Occupancy, Industrial Fluorescent Fixtures <small>(26 51 16 00-0001)</small>	
26 51 16 00-0207 EA	1 T8 Lamp, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP).....	346.22 24.55
26 51 16 00-0208 EA	2 T8 Lamps, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP).....	349.57 26.84



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 51 16 00-0209</b> Accessories And Modifiers For Fluorescent Fixtures <small>(26 51 16 00-0001)</small>		
<b>26 51 16 00-0210</b> Lens Modifications <small>(26 51 16 00-0209)</small>		
26 51 16 00-0211 EA For 1' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	21.09	
26 51 16 00-0212 EA For 1' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	26.05	
26 51 16 00-0213 EA For 2' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	27.29	
26 51 16 00-0214 EA For 2' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	29.77	
26 51 16 00-0215 EA For 4' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add.....	35.98	
26 51 16 00-0216 EA For 1' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	8.68	
26 51 16 00-0217 EA For 1' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	12.41	
26 51 16 00-0218 EA For 2' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	13.65	
26 51 16 00-0219 EA For 2' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add.....	16.13	
<b>26 51 16 00-0220</b> Pendant Mounting Modifications <small>(26 51 16 00-0209)</small>		
Note: Per pendant. Use demolition cost for associated light fixture for demolition of pendant mounted light fixture assembly.		
26 51 16 00-0221 EA For Pendant Mounting Up to 1'-6" Long Section.....	9.43	
Note: Per pendant.		
26 51 16 00-0222 EA For Pendant Mounting 2' Long Section.....	10.92	
Note: Per pendant.		
26 51 16 00-0223 EA For Pendant Mounting 3' Long Section.....	13.97	
Note: Per pendant.		
26 51 16 00-0224 EA For Pendant Mounting 4' Long Section.....	16.50	
Note: Per pendant.		
26 51 16 00-0225 EA For Pendant Mounting 6' Long Section.....	20.84	
Note: Per pendant.		
26 51 16 00-0226 EA For Pendant Mounting 8' Long Section.....	28.29	
Note: Per pendant.		
<b>26 51 16 00-0227</b> Fluorescent Light Accessories <small>(26 51 16 00-0209)</small>		
26 51 16 00-0228 EA Blank Metal Light Box Plate.....	17.68	
26 51 16 00-0229 EA Factory Installed Fixture Mounted Occupancy Sensor .....	95.52	
26 51 16 00-0230 EA Factory Installed Inboard/Outboard Switching And Ballast.....	68.68	
<b>26 51 16 00-0231</b> Wire Guards <small>(26 51 16 00-0209)</small>		
26 51 16 00-0232 EA Wire Guard for 6" x 2' Fixture.....	40.51	3.68
26 51 16 00-0233 EA Wire Guard for 6" x 4' Fixture.....	56.86	5.89
26 51 16 00-0234 EA Wire Guard for 1" x 2' Fixture.....	45.23	4.05
26 51 16 00-0235 EA Wire Guard for 1" x 4' Fixture.....	64.23	6.25
26 51 16 00-0236 EA Wire Guard for 2" x 2' Fixture.....	55.25	4.41
26 51 16 00-0237 EA Wire Guard for 2" x 4' Fixture.....	75.58	6.62
<b>26 51 16 00-0238</b> Vandal Proof, Wraparound Fluorescent Fixtures <small>(26 51 16 00-0001)</small>		
Note: 16 gauge welded steel body with powder coated finish, polycarbonate lens, and tamper resistant screws.		
<b>26 51 16 00-0239</b> 6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures <small>(26 51 16 00-0238)</small>		
26 51 16 00-0240 EA 1 T8 Lamp, 6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	144.22	21.00
26 51 16 00-0241 EA 2 T8 Lamps, 6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures .....	171.74	21.00
<b>26 51 16 00-0242</b> 6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures <small>(26 51 16 00-0238)</small>		
26 51 16 00-0243 EA 1 T8 Lamp, 6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	155.69	21.87
26 51 16 00-0244 EA 2 T8 Lamps, 6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures .....	185.68	21.87
<b>26 51 16 00-0245</b> 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures <small>(26 51 16 00-0238)</small>		
26 51 16 00-0246 EA 2 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	175.95	23.21
26 51 16 00-0247 EA 3 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	209.05	23.21
26 51 16 00-0248 EA 4 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	224.70	23.21
<b>26 51 16 00-0249</b> 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures <small>(26 51 16 00-0238)</small>		
26 51 16 00-0250 EA 2 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	189.31	24.55
26 51 16 00-0251 EA 3 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	225.12	24.55
26 51 16 00-0252 EA 4 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	241.99	24.55
<b>26 51 16 00-0253</b> Ceiling Mounted Fluorescent Fixtures <small>(26 51 16)</small>		
<b>26 51 16 00-0254</b> Ceiling Mounted, Compact Fluorescent/Incandescent Fixtures <small>(26 51 16 00-0253)</small>		
<b>26 51 16 00-0255</b> Glass Globe, Compact Fluorescent/Incandescent Fixtures <small>(26 51 16 00-0254)</small>		
26 51 16 00-0256 EA 6" Diameter, Ceiling Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture .....	93.43	29.35
26 51 16 00-0257 EA 9" Diameter, Ceiling Mounted, Mushroom Style Glass Globe, Compact Fluorescent/Incandescent Fixture.....	110.32	29.35



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0258 Ceiling Mounted, Circline Fluorescent Fixtures (26 51 16 00-0253)		
26 51 16 00-0259 Exposed Lamps, Circline Fluorescent Fixtures (26 51 16 00-0258)		
26 51 16 00-0260 EA 8-1/2" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture .....	79.81	29.35
26 51 16 00-0261 EA 12" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture .....	87.35	29.35
26 51 16 00-0262 Low Profile Acrylic Diffuser, Circline Fluorescent Fixtures (26 51 16 00-0258)		
26 51 16 00-0263 EA 11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture .....	115.82	29.35
26 51 16 00-0264 EA 14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture .....	162.33	29.35
26 51 16 00-0265 EA 19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture .....	194.56	29.35
26 51 16 00-0266 EA 12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture .....	130.89	29.35
26 51 16 00-0267 EA 15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture .....	163.29	29.35
26 51 16 00-0268 EA 19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture .....	194.56	29.35
26 51 16 00-0269 Ceiling Mounted, Double Twin Tube Compact Fluorescent Fixtures (26 51 16 00-0253)		
26 51 16 00-0270 Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixtures (26 51 16 00-0269)		
26 51 16 00-0271 EA 11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture .....	118.66	29.35
26 51 16 00-0272 EA 14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture .....	151.27	29.35
26 51 16 00-0273 EA 19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture .....	180.22	29.35
26 51 16 00-0274 EA 12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture .....	95.56	29.35
26 51 16 00-0275 EA 15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture .....	113.31	29.35
26 51 16 00-0276 EA 19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture .....	146.92	29.35
26 51 16 00-0277 Pendant Mounted, Compact Fluorescent/Incandescent Downlights (26 51 16 00-0253)		
26 51 16 00-0278 Pendant Mounted, Compact Fluorescent/Incandescent Open Reflector Downlights (26 51 16 00-0277)		
26 51 16 00-0279 EA 6" Diameter, Pendant Mounted, Open Reflector Compact Fluorescent/Incandescent Downlight .....	180.69	24.11
26 51 16 00-0280 Pendant Mounted, Compact Fluorescent/Incandescent Downlights With Baffle (26 51 16 00-0277)		
26 51 16 00-0281 EA 6" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle .....	206.41	24.11
26 51 16 00-0282 EA 8" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle .....	289.39	24.11
26 51 16 00-0283 Pendant Mounted, Horizontal Indirect Fluorescent Fixtures (26 51 16 00-0253)		
26 51 16 00-0284 EA 1 T5HO Lamp, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture .....	173.31	24.11
26 51 16 00-0285 EA 2 T5HO Lamps, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture .....	184.79	24.11
26 51 16 00-0286 EA 3 T5HO Lamps, 4' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture .....	221.52	24.11
26 51 16 00-0287 EA 2 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture .....	229.56	24.11
26 51 16 00-0288 EA 4 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture .....	275.48	24.11
26 51 16 00-0289 EA 6 T5HO Lamps, 8' Length, Pendant Mounted, Horizontal Indirect Fluorescent Fixture .....	329.43	24.11
26 51 16 00-0290 Finelite Fluorescent Fixtures (26 51 16 00-0253)		
26 51 16 00-0291 Pendant Mounted, Fluorescent Downlight Fixtures (Finelite Series 10) (26 51 16 00-0290)		
26 51 16 00-0292 EA 1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) .....	292.34	34.20
For Dual Circuit, Add	72.29	
26 51 16 00-0293 EA 2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) .....	290.85	34.20
For Dual Circuit, Add	71.85	
26 51 16 00-0294 EA 3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) .....	314.24	34.20
For Dual Circuit, Add	78.86	
26 51 16 00-0295 EA 1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) .....	353.14	34.20
For Dual Circuit, Add	90.53	
26 51 16 00-0296 EA 2 T5HO Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) .....	387.58	34.20
For Dual Circuit, Add	100.87	
26 51 16 00-0297 EA 3 T5HO Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) .....	476.74	34.20
For Dual Circuit, Add	127.61	
26 51 16 00-0298 EA 2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) .....	416.69	35.66
For Dual Circuit, Add	81.87	
26 51 16 00-0299 EA 4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) .....	428.64	35.66
For Dual Circuit, Add	84.56	
26 51 16 00-0300 EA 6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) .....	475.41	35.66
For Dual Circuit, Add	95.08	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	16 00-0301	EA	2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) .....	458.69	35.66
			<i>For Dual Circuit, Add</i> .....	91.32	
26 51	16 00-0302	EA	4 T5HO Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) .....	577.31	35.66
			<i>For Dual Circuit, Add</i> .....	118.01	
26 51	16 00-0303	EA	6 T5HO Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) .....	681.01	35.66
			<i>For Dual Circuit, Add</i> .....	141.34	
26 51	16 00-0304	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) .....	550.99	37.13
			<i>For Dual Circuit, Add</i> .....	74.50	
26 51	16 00-0305	EA	6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) .....	571.40	37.13
			<i>For Dual Circuit, Add</i> .....	77.57	
26 51	16 00-0306	EA	9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) .....	631.61	37.13
			<i>For Dual Circuit, Add</i> .....	86.60	
26 51	16 00-0307	EA	3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) .....	638.87	37.13
			<i>For Dual Circuit, Add</i> .....	87.69	
26 51	16 00-0308	EA	6 T5HO Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) .....	791.92	37.13
			<i>For Dual Circuit, Add</i> .....	110.64	
26 51	16 00-0309	EA	9 T5HO Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10) .....	949.95	37.13
			<i>For Dual Circuit, Add</i> .....	134.35	
<b>26 51</b>	<b>16 00-0310</b>		<b>Pendant Mounted, Fluorescent Wallwash Fixtures (Finelite Series X2-O)</b> <small>(26 51 16 00-0290)</small>		
26 51	16 00-0311	EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O) .....	299.43	34.20
			<i>For Dual Circuit, Add</i> .....	74.42	
26 51	16 00-0312	EA	1 T5 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O) .....	326.61	34.20
			<i>For Dual Circuit, Add</i> .....	82.58	
26 51	16 00-0313	EA	1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O) .....	327.03	34.20
			<i>For Dual Circuit, Add</i> .....	82.70	
26 51	16 00-0314	EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O) .....	440.68	35.66
			<i>For Dual Circuit, Add</i> .....	87.27	
26 51	16 00-0315	EA	2 T5 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O) .....	472.33	35.66
			<i>For Dual Circuit, Add</i> .....	94.39	
26 51	16 00-0316	EA	2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O) .....	473.17	35.66
			<i>For Dual Circuit, Add</i> .....	94.58	
26 51	16 00-0317	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O) .....	581.93	37.13
			<i>For Dual Circuit, Add</i> .....	79.14	
26 51	16 00-0318	EA	3 T5 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O) .....	663.48	37.13
			<i>For Dual Circuit, Add</i> .....	91.38	
26 51	16 00-0319	EA	3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O) .....	664.74	37.13
			<i>For Dual Circuit, Add</i> .....	91.57	
<b>26 51</b>	<b>16 00-0320</b>		<b>Pendant Mounted, Fluorescent Indirect Fixtures (Finelite Series 8)</b> <small>(26 51 16 00-0290)</small>		
26 51	16 00-0321	EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I) .....	228.12	34.20
			<i>For Dual Circuit, Add</i> .....	53.03	
26 51	16 00-0322	EA	2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I) .....	240.32	34.20
			<i>For Dual Circuit, Add</i> .....	56.69	
26 51	16 00-0323	EA	3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I) .....	284.44	34.20
			<i>For Dual Circuit, Add</i> .....	69.92	
26 51	16 00-0324	EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I) .....	298.39	35.66
			<i>For Dual Circuit, Add</i> .....	55.25	
26 51	16 00-0325	EA	4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I) .....	351.80	35.66
			<i>For Dual Circuit, Add</i> .....	67.27	
26 51	16 00-0326	EA	6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I) .....	415.37	35.66
			<i>For Dual Circuit, Add</i> .....	81.57	
26 51	16 00-0327	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I) .....	412.19	37.13
			<i>For Dual Circuit, Add</i> .....	53.68	
26 51	16 00-0328	EA	6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I) .....	503.92	37.13
			<i>For Dual Circuit, Add</i> .....	67.44	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	16 00-0329	EA	9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I).....	601.46	37.13
			<i>For Dual Circuit, Add</i> .....	82.07	
<b>26 51</b>	<b>16 00-0330</b>		<b>Fluorescent, Recessed Fixture Housings</b> <small>(26 51 16)</small>		
26 51	16 00-0331	EA	4" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	80.68	20.98
			<i>For ICAT Housing, Add</i> .....	6.34	
26 51	16 00-0332	EA	5" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	83.36	20.98
			<i>For ICAT Housing, Add</i> .....	6.68	
26 51	16 00-0333	EA	6" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	86.86	21.94
			<i>For ICAT Housing, Add</i> .....	6.95	
26 51	16 00-0334	EA	7" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	91.27	22.75
			<i>For ICAT Housing, Add</i> .....	7.32	
26 51	16 00-0335	EA	8" Round, Fluorescent, T Or ICT Recessed Fixture Housing.....	95.13	23.92
			<i>For ICAT Housing, Add</i> .....	7.63	
26 51	16 00-0336	EA	10" To 12" Square, Fluorescent, T Or ICT Recessed Fixture Housing.....	98.55	25.38
			<i>For ICAT Housing, Add</i> .....	7.79	
<b>26 51</b>	<b>16 00-0337</b>		<b>Compact Fluorescent, Recessed Fixture Housings</b> <small>(26 51 16)</small>		
26 51	16 00-0338	EA	4" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	92.19	20.98
			<i>For ICAT Housing, Add</i> .....	7.82	
26 51	16 00-0339	EA	5" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	94.83	20.98
			<i>For ICAT Housing, Add</i> .....	8.16	
26 51	16 00-0340	EA	6" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	98.42	22.02
			<i>For ICAT Housing, Add</i> .....	8.44	
26 51	16 00-0341	EA	7" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	101.31	22.97
			<i>For ICAT Housing, Add</i> .....	8.62	
26 51	16 00-0342	EA	8" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	104.64	23.92
			<i>For ICAT Housing, Add</i> .....	8.86	
26 51	16 00-0343	EA	10" To 12" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	107.85	25.38
			<i>For ICAT Housing, Add</i> .....	8.99	
<b>26 51</b>	<b>16 00-0344</b>		<b>Fluorescent Track Lighting Fixtures</b> <small>(26 51 16)</small>		
26 51	16 00-0345	EA	2L 18W BX Track Fixture, Electronic Ballast.....	285.52	12.25
			Note: White or Black Finish, 120V.		
26 51	16 00-0346	EA	2L 39W BX Track Fixture, Electronic Ballast.....	299.00	12.25
			Note: White or Black Finish, 120V.		
26 51	16 00-0347	EA	2L 40W BX Track Fixture, Electronic Ballast.....	307.42	12.25
			Note: White or Black Finish, 120V.		
26 51	16 00-0348	EA	2L 50W BX Track Fixture, Electronic Ballast.....	271.01	12.25
			Note: White or Black Finish, 120V.		
26 51	16 00-0349	EA	2L, 55 Watt BX Track Fixture, Electronic Ballast.....	348.49	12.25
			Note: White or Black Finish, 120V.		
<b>26 51</b>	<b>16 00-0350</b>		<b>Compact Fluorescent Track Lighting Fixtures</b> <small>(26 51 16)</small>		
26 51	16 00-0351	EA	Compact Fluorescent Track Lighting Fixture.....	58.96	12.25
<b>26 51</b>	<b>16 00-0352</b>		<b>Compact Fluorescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures</b> <small>(26 51 16)</small>		
26 51	16 00-0353	EA	13 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	145.63	29.35
			<i>For Wall Mounted, Add</i> .....	6.02	
26 51	16 00-0354	EA	22 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	151.04	29.35
			<i>For Wall Mounted, Add</i> .....	6.02	
26 51	16 00-0355	EA	28 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	164.46	29.35
			<i>For Wall Mounted, Add</i> .....	6.02	
<b>26 51</b>	<b>16 00-0356</b>		<b>Wet Location, Dust Resistant, Vapor Tight, Enclosed And Gasketed, Industrial Fluorescent Fixtures</b> <small>(26 51 16)</small>		
<b>26 51</b>	<b>16 00-0357</b>		<b>4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures</b> <small>(26 51 16 00-0356)</small>		
<b>26 51</b>	<b>16 00-0358</b>		<b>4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia DMW)</b> <small>(26 51 16 00-0357)</small>		
			Note: Includes high impact acrylic molded lens.		
26 51	16 00-0359	EA	1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	183.08	31.26
			<i>For T5 Fixture Instead Of T8, Add</i> .....	15.59	
26 51	16 00-0360	EA	2 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	191.75	31.26
			<i>For T5 Fixture Instead Of T8, Add</i> .....	16.58	
26 51	16 00-0361	EA	3 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	300.99	31.26
			<i>For T5 Fixture Instead Of T8, Add</i> .....	29.09	
26 51	16 00-0362	EA	1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	259.76	31.26
26 51	16 00-0363	EA	2 T8HO Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	418.66	31.26



<b>Electrical</b>	<b>26</b>	<b>26</b>
Lighting	26 50	
Interior Lighting	26 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 51 16 00-0364</b> 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Day-Brite V2W) <small>(26 51 16 00-0357)</small> Note: Includes high impact acrylic molded lens.		
26 51 16 00-0365 EA 1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	208.02	31.26
26 51 16 00-0366 EA 2 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	210.47	31.26
26 51 16 00-0367 EA 3 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	306.26	31.26
26 51 16 00-0368 EA 1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W) .....	253.76	31.26
26 51 16 00-0369 EA 2 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W) .....	265.23	31.26
<b>26 51 16 00-0370</b> 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures <small>(26 51 16 00-0356)</small> Note: Includes high impact acrylic molded lens.		
<b>26 51 16 00-0371</b> 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia TDMW) <small>(26 51 16 00-0370)</small> Note: Includes high impact acrylic molded lens.		
26 51 16 00-0372 EA 2 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW).....	346.26	42.46
For T5 Fixture Instead Of T8, Add	32.35	
26 51 16 00-0373 EA 4 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW).....	359.82	42.46
For T5 Fixture Instead Of T8, Add	33.90	
<b>26 51 19 LED Interior Lighting</b> <small>(26 51)</small>		
<b>26 51 19 00-0001</b> LED Fixtures <small>(26 51 19)</small>		
<b>26 51 19 00-0002</b> Undercabinet LED Fixtures <small>(26 51 19 00-0001)</small>		
26 51 19 00-0003 EA 12" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ12-M6) .....	138.08	18.11
26 51 19 00-0004 EA 18" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ18-M6) .....	177.03	22.13
26 51 19 00-0005 EA 24" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ24-M6) .....	201.74	22.13
26 51 19 00-0006 EA 24" HIDE-A-LITE V Series LED Undercabinet Fixture (Progress Lighting P700003-028-30) .....	92.65	18.11
<b>26 51 19 00-0007</b> Striplight LED Fixtures <small>(26 51 19 00-0001)</small>		
<b>26 51 19 00-0008</b> Striplight LED Fixtures (Lithonia ZL) <small>(26 51 19 00-0007)</small>		
26 51 19 00-0009 EA 2' Length, 3,000 Lumens, LED Striplight Fixture (Lithonia ZL1).....	295.59	20.13
26 51 19 00-0010 EA 4' Length, 2,800 Lumens, LED Striplight Fixture (Lithonia ZL1).....	302.30	24.55
26 51 19 00-0011 EA 2' Length, 1,400 Lumens, Lensed LED Striplight Fixture (Lithonia ZL2).....	269.37	20.13
26 51 19 00-0012 EA 4' Length, 2,300 Lumens, Lensed LED Striplight Fixture (Lithonia ZL2).....	276.08	24.55
26 51 19 00-0013 EA 4' Length, 4,600 Lumens, Lensed LED Striplight Fixture (Lithonia ZL2).....	360.28	24.55
<b>26 51 19 00-0014</b> Striplight LED Fixtures (Mobern) <small>(26 51 19 00-0007)</small>		
26 51 19 00-0015 EA 2' Length, 1,100 Lumens, 12 Watt, Chrome, LED Bracket Fixture (Mobern 7924LED12DMV30) .....	124.19	20.13
<b>26 51 19 00-0016</b> Striplight LED Fixtures (Eaton) <small>(26 51 19 00-0007)</small>		
26 51 19 00-0017 EA 4' Length, 2,301 Lumens, 18 Watt, LED Strip Lighting (Eaton Lighting 4SNLED-LD4-22SL-LC-UNV-L840-CD1-U) .....	157.83	24.55
26 51 19 00-0018 EA 4', 16 Watt, 2,382 Lumens, LED Clear Lensed Striplight (Cooper Industries 4SNLED-LD5-22SL-LC-UNV-L840-CD1-U) .....	149.01	24.55
26 51 19 00-0019 EA 4', 16 Watt, 2,382 Lumens, Clear Lens, LED Striplight (Cooper Industries Metalux Series 4SNLED-LD5-22SL-LC-UNV-830-CD1-U) .....	161.18	26.84
<b>26 51 19 00-0020</b> Lay-In/Troffer LED Fixtures <small>(26 51 19 00-0001)</small>		
<b>26 51 19 00-0021</b> Prismatic Lensed, Lay-In/Troffer LED Fixtures <small>(26 51 19 00-0020)</small>		
<b>26 51 19 00-0022</b> Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lithonia) <small>(26 51 19 00-0021)</small>		
26 51 19 00-0023 EA 1' x 4', 4,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia TL4) .....	340.87	31.26
For Drywall Or Plaster Ceilings, Add	21.13	
26 51 19 00-0024 EA 2' x 2', 3,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL2) .....	379.70	26.84
For Drywall Or Plaster Ceilings, Add	18.11	
26 51 19 00-0025 EA 2' x 4', 4,600 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL4) .....	334.55	31.26
For Drywall Or Plaster Ceilings, Add	21.13	
<b>26 51 19 00-0026</b> Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lunera) <small>(26 51 19 00-0021)</small>		
26 51 19 00-0027 EA 1' x 4', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 14G4) .....	492.19	31.26
26 51 19 00-0028 EA 2' x 2', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 22G5) .....	339.64	26.84
26 51 19 00-0029 EA 2' x 4', 4,175 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 24G4) .....	442.31	31.26
<b>26 51 19 00-0030</b> Prismatic Lensed, Lay-In/Troffer LED Fixtures (PlanLED) <small>(26 51 19 00-0021)</small>		
26 51 19 00-0031 EA 2' x 2', 2,591 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E).....	224.63	26.84
26 51 19 00-0032 EA 2' x 2', 3,883 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E).....	248.42	26.84
26 51 19 00-0033 EA 2' x 2', 3,700 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-40) .....	211.54	26.84
26 51 19 00-0034 EA 2' x 2', 4,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-45) .....	211.54	26.84
26 51 19 00-0035 EA 2' x 2', 4,600 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-50) .....	227.01	26.84





MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 51 19 00-0036	Volumetric, Lay-In/Troffer LED Fixtures (26 51 19 00-0020)		
26 51 19 00-0037	Volumetric, Lay-In/Troffer LED Fixtures (Lithonia) (26 51 19 00-0036)		
26 51 19 00-0038	EA 1' x 4', 2,500 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4) .....	448.06	24.35
	For Drywall Or Plaster Ceilings, Add	16.61	
26 51 19 00-0039	EA 2' x 2', 2,400 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2) .....	386.32	26.84
	For Drywall Or Plaster Ceilings, Add	18.11	
26 51 19 00-0040	EA 2' x 2', 3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2) .....	394.62	26.84
	For Drywall Or Plaster Ceilings, Add	18.11	
26 51 19 00-0041	EA 2' x 2', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2) .....	401.33	31.26
26 51 19 00-0042	EA 2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4) .....	429.73	31.26
	For Drywall Or Plaster Ceilings, Add	21.13	
26 51 19 00-0043	EA 2' x 4', 4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4) .....	458.12	31.26
	For Drywall Or Plaster Ceilings, Add	21.13	
26 51 19 00-0044	EA 2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2VTL4) .....	287.60	31.26
	For Drywall Or Plaster Ceilings, Add	21.13	
26 51 19 00-0045	Architectural, Lay-In/Troffer LED Fixtures (26 51 19 00-0020)		
26 51 19 00-0046	Architectural, Lay-In/Troffer LED Fixtures (Lithonia) (26 51 19 00-0045) Note: Includes 4,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.		
26 51 19 00-0047	EA 1' x 4', 2,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4) .....	430.06	31.26
	For Drywall Or Plaster Ceilings, Add	21.13	
26 51 19 00-0048	EA 1' x 4', 4,300 Lumens, Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4) .....	515.98	31.26
	For Drywall Or Plaster Ceilings, Add	21.13	
26 51 19 00-0049	EA 1' x 4', 6,400 Lumens, Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4) .....	593.32	31.26
	For Drywall Or Plaster Ceilings, Add	21.13	
26 51 19 00-0050	Architectural, Lay-In/Troffer LED Fixtures (CREE® CR Series) (26 51 19 00-0045) Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0051	EA 1' x 4', 2,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™) .....	343.80	31.26
	For Expanded Size Junction Box For Through Wiring, Add	3.85	
	For Drywall Or Plaster Ceilings, Add	99.20	
	For Surface Mount, Add	193.61	
26 51 19 00-0052	EA 1' x 4', 3,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™) .....	372.67	31.26
	For Expanded Size Junction Box For Through Wiring, Add	3.85	
	For Drywall Or Plaster Ceilings, Add	99.20	
	For Surface Mount, Add	193.61	
26 51 19 00-0053	EA 1' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™) .....	372.67	31.26
	For Expanded Size Junction Box For Through Wiring, Add	3.85	
	For Drywall Or Plaster Ceilings, Add	99.20	
	For Surface Mount, Add	193.61	
26 51 19 00-0054	EA 1' x 4', 5,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™) .....	415.28	31.26
	For Expanded Size Junction Box For Through Wiring, Add	3.85	
	For Drywall Or Plaster Ceilings, Add	99.20	
	For Surface Mount, Add	193.61	
26 51 19 00-0055	EA 2' x 2', 2,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™) .....	320.75	26.84
	Note: CCT 30K to 50K		
	For Expanded Size Junction Box For Through Wiring, Add	3.85	
	For Drywall Or Plaster Ceilings, Add	86.99	
	For Surface Mount, Add	182.65	
26 51 19 00-0056	EA 2' x 2', 3,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™) .....	301.34	26.84
	Note: CCT 30K to 50K		
	For Expanded Size Junction Box For Through Wiring, Add	3.85	
	For Drywall Or Plaster Ceilings, Add	86.99	
	For Surface Mount, Add	182.65	
26 51 19 00-0057	EA 2' x 4', 2,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) .....	359.81	31.26
	Note: CCT 30K to 50K		
	For Expanded Size Junction Box For Through Wiring, Add	3.85	
	For Drywall Or Plaster Ceilings, Add	101.95	
	For Surface Mount, Add	211.48	
26 51 19 00-0058	EA 2' x 4', 3,100 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) .....	372.67	31.26
	Note: CCT 30K to 50K		
	For Expanded Size Junction Box For Through Wiring, Add	3.85	
	For Drywall Or Plaster Ceilings, Add	101.95	
	For Surface Mount, Add	211.48	
26 51 19 00-0059	EA 2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) .....	372.67	31.26
	Note: CCT 30K to 50K		
	For Expanded Size Junction Box For Through Wiring, Add	3.85	
	For Drywall Or Plaster Ceilings, Add	101.95	
	For Surface Mount, Add	211.48	
26 51 19 00-0060	EA 2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24 LHE™) .....	481.27	31.26
	Note: CCT 30K to 50K		
	For Expanded Size Junction Box For Through Wiring, Add	3.85	
	For Drywall Or Plaster Ceilings, Add	101.95	
	For Surface Mount, Add	211.48	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0061 EA 2' x 4', 5,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) ..... Note: CCT 30K to 50K <i>For Expanded Size Junction Box For Through Wiring, Add</i> <i>For Drywall Or Plaster Ceilings, Add</i> <i>For Surface Mount, Add</i>	415.28  3.85 101.95 211.48	31.26
<b>26 51 19 00-0062 Architectural, Lay-In/Troffer LED Fixtures (Metalux®) (26 51 19 00-0045)</b> Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0063 EA 2' x 2', 2,500 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC).....	315.53	26.84
26 51 19 00-0064 EA 2' x 4', 4,700 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC).....	426.12	31.26
<b>26 51 19 00-0065 Architectural, Lay-In/Troffer LED Fixtures (Finelite) (26 51 19 00-0045)</b> Note: Includes 3,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0066 EA 2' x 2', 4,301 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2) .....	225.14	26.84
26 51 19 00-0067 EA 2' x 4', 4,671 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2) .....	304.92	31.53
<b>26 51 19 00-0068 Shadow Box Style, Lay-In/Troffer LED Fixtures (26 51 19 00-0020)</b>		
<b>26 51 19 00-0069 Shadow Box Style, Lay-In/Troffer LED Fixtures (Lithonia SBSL) (26 51 19 00-0068)</b>		
26 51 19 00-0070 EA 2' x 2', 3,300 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL2)..... <i>For Drywall Or Plaster Ceilings, Add</i>	355.85 18.11	26.84
26 51 19 00-0071 EA 2' x 4', 4,600 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL4)..... <i>For Drywall Or Plaster Ceilings, Add</i>	485.24 21.13	31.26
<b>26 51 19 00-0072 Panel Type, Lay-In/Troffer LED Fixtures (26 51 19 00-0020)</b>		
<b>26 51 19 00-0073 Panel Type, Lay-In/Troffer LED Fixtures (PlanLED Galaxy) (26 51 19 00-0072)</b>		
26 51 19 00-0074 EA 1' x 4', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL140-34) .....	243.95	31.26
26 51 19 00-0075 EA 2' x 2', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL220-34) .....	253.38	31.26
26 51 19 00-0076 EA 2' x 4', 4,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-40) .....	315.90	31.26
26 51 19 00-0077 EA 2' x 4', 5,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-52) .....	315.90	31.26
<b>26 51 19 00-0078 Panel Type, Lay-In/Troffer LED Fixtures (Sylvania) (26 51 19 00-0072)</b>		
26 51 19 00-0079 EA 1' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/14G/WH)..... <i>For Surface Mounting Kit (Sylvania SMK1T1A/14A/WH), Add</i>	128.66 30.52	31.26
26 51 19 00-0080 EA 2' x 2', 3,500 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/22G/WH).....	132.64	31.26
26 51 19 00-0081 EA 2' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/24G/WH)..... <i>For Surface Mounting Kit (Sylvania SMK1T1A/24A/WH)</i>	134.46 38.15	31.26
26 51 19 00-0082 EA 2' x 4', 32 Watt, 3,300 Lumens, 3500K, LED Edge Lite Panel With Kit (Sylvania PANELF1A/032UNVD835/24G/WH_SMK1T1A/24A/WH).....	306.39	31.26
<b>26 51 19 00-0083 Surface Mount LED Fixtures (26 51 19 00-0001)</b>		
<b>26 51 19 00-0084 Surface Mount, Volumetric LED Fixtures (Lithonia STL) (26 51 19 00-0083)</b>		
26 51 19 00-0085 EA 2' Length, 2,200 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL2) .....	387.52	20.13
26 51 19 00-0086 EA 4' Length, 3,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4) .....	320.33	44.75
26 51 19 00-0087 EA 4' Length, 4,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4) .....	385.19	24.55
<b>26 51 19 00-0088 Surface Mount, Wraparound LED Fixtures (Lithonia LBL) (26 51 19 00-0083)</b>		
26 51 19 00-0089 EA 2' Length, 2,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL2).....	159.73	24.55
26 51 19 00-0090 EA 4' Length, 4,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL4).....	203.12	24.55
<b>26 51 19 00-0091 Surface Mount, Shadow Box Style LED Fixtures (26 51 19 00-0083)</b>		
<b>26 51 19 00-0092 Surface Mount, Shadow Box Style LED Fixtures (Lithonia SBSLX) (26 51 19 00-0091)</b>		
26 51 19 00-0093 EA 2' x 2', 3,300 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX2) .....	456.12	26.84
26 51 19 00-0094 EA 2' x 4', 4,600 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX4) .....	585.50	31.26
<b>26 51 19 00-0095 Surface Mount, Low Profile Fixtures (26 51 19 00-0083)</b>		
26 51 19 00-0096 EA 6" Diameter, 993 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8538-90) .....	62.38	18.38
26 51 19 00-0097 EA 6" Diameter, 1,215 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8569).....	51.26	18.38
26 51 19 00-0098 EA 13" Diameter, 1,400 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 4329).....	85.74	18.38
26 51 19 00-0099 EA 15" Diameter, 2,100 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting 4330).....	103.54	18.38
<b>26 51 19 00-0100 Recessed LED Downlights (26 51 19 00-0001)</b>		
<b>26 51 19 00-0101 Recessed LED Downlights (26 51 19 00-0100)</b>		
<b>26 51 19 00-0102 Recessed LED Downlights (Lithonia) (26 51 19 00-0101)</b> Note: Includes housing and trim.		

**26 Electrical**  
**26 50 Lighting**  
**26 51 Interior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0103	EA	1,200 Lumens, 8" Diameter, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED)..... <i>For Dimming Driver And Sensor Switch nLight Dimming Relay, Add</i>	428.10 99.35	32.28
26 51	19 00-0104	EA	1,500 Lumens, 8" Diameter, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED)..... <i>For Dimming Driver And Sensor Switch nLight Dimming Relay, Add</i>	471.06 99.35	32.28
<b>26 51</b>	<b>19 00-0105</b>		<b>Recessed LED Downlights (Portfolio®)</b> (26 51 19 00-0101) Note: Includes housing and trim.		
26 51	19 00-0106	EA	1,300 Lumens, 4" Diameter, Recessed LED Downlight With Open Trim (Portfolio® LD413) .....	245.37	32.28
<b>26 51</b>	<b>19 00-0107</b>		<b>Recessed LED Downlights (Gotham® EVO®)</b> (26 51 19 00-0101) Note: Includes housing and trim.		
26 51	19 00-0108	EA	1,800 Lumens, 6" Diameter, Recessed LED Downlight With Open Trim (Gotham® EVO® ALED).....	405.81	32.28
26 51	19 00-0109	EA	1,800 Lumens, 6" Diameter, Recessed LED Shower Downlight With Non-Conductive Regressed Lens (Gotham® EVO® ALED).....	422.33	32.28
26 51	19 00-0110	EA	1,800 Lumens, 6" Diameter, Recessed LED Wallwash Downlight With Specular Reflector Trim (Gotham® EVO® DLWLED) .....	490.09	32.28
26 51	19 00-0111	EA	1,800 Lumens, 6" Diameter, Decorative Recessed LED Downlight With Glass Drop Luminous Ring (Gotham® EVO® ALED).....	496.71	32.28
26 51	19 00-0112	EA	1,800 Lumens, 6" Diameter, Vandal Resistant, Recessed LED Downlight With Tempered Prismatic Lens (Gotham® EVO® VRALED) .....	554.54	32.28
<b>26 51</b>	<b>19 00-0113</b>		<b>Recessed LED Downlights (Lightolier)</b> (26 51 19 00-0101) Note: Includes housing and trim.		
26 51	19 00-0114	EA	500 Lumens, 4" Diameter, Recessed LED Downlight With Open Trim (Lightolier C4L05DL) .....	341.96	32.28
26 51	19 00-0115	EA	1,000 Lumens, 4" Diameter, Recessed LED Downlight With Open Trim (Lightolier C4L10DL).....	400.86	32.28
26 51	19 00-0116	EA	1,500 Lumens, 6" Diameter, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL).....	430.24	32.28
26 51	19 00-0117	EA	2,000 Lumens, 6" Diameter, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL).....	430.24	32.28
26 51	19 00-0118	EA	1,500 Lumens, 7" Diameter, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL).....	445.00	32.28
26 51	19 00-0119	EA	2,000 Lumens, 7" Diameter, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL).....	459.77	32.28
<b>26 51</b>	<b>19 00-0120</b>		<b>Recessed LED Downlights (Cooper)</b> (26 51 19 00-0101)		
26 51	19 00-0121	EA	2700K CCT, 600 Lumen, LED Downlight (Cooper Halo ML5606827) .....	114.53	32.28
26 51	19 00-0122	EA	3000K CCT, 600 Lumen, LED Downlight (Cooper Halo ML5606830) .....	114.53	32.28
26 51	19 00-0123	EA	3500K CCT, 600 Lumen, LED Downlight (Cooper Halo ML5606835) .....	114.53	32.28
26 51	19 00-0124	EA	4000K CCT, 600 Lumen, LED Downlight (Cooper Halo ML5606840) .....	114.53	32.28
26 51	19 00-0125	EA	2700K CCT, 900 Lumen, LED Downlight (Cooper Halo ML5609827) .....	116.99	32.28
26 51	19 00-0126	EA	3000K CCT, 900 Lumen, LED Downlight (Cooper Halo ML5609830) .....	116.99	32.28
26 51	19 00-0127	EA	3500K CCT, 900 Lumen, LED Downlight (Cooper Halo ML5609835) .....	116.99	32.28
26 51	19 00-0128	EA	4000K CCT, 900 Lumen, LED Downlight (Cooper Halo ML5609840) .....	116.99	32.28
26 51	19 00-0129	EA	2700K CCT, 1,200 Lumen, LED Downlight (Cooper Halo ML5612827) .....	150.36	32.28
26 51	19 00-0130	EA	3000K CCT, 1,200 Lumen, LED Downlight (Cooper Halo ML5612830) .....	148.67	32.28
26 51	19 00-0131	EA	3500K CCT, 1,200 Lumen, LED Downlight (Cooper Halo ML5612835) .....	148.67	32.28
26 51	19 00-0132	EA	4000K CCT, 1,200 Lumen, LED Downlight (Cooper Halo ML5612840) .....	148.67	32.28
26 51	19 00-0133	EA	5" LED Trim, Polymer "Dead-Front", Shallow White Baffle And Flange (Cooper Halo 591WB) .....	74.80	10.28
26 51	19 00-0134	EA	5" LED Trim, Specular Reflector And White Flange (Cooper Halo 592SC) .....	44.25	10.28
26 51	19 00-0135	EA	5" LED Trim, Haze Reflector And White Flange (Cooper Halo 592H) .....	57.40	10.28
26 51	19 00-0136	EA	5" LED Trim, White Reflector And Flange (Cooper Halo 592W) .....	46.90	10.28
26 51	19 00-0137	EA	5" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 593WB).....	36.15	10.28
26 51	19 00-0138	EA	5" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 593BB).....	46.43	10.28
26 51	19 00-0139	EA	5" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 593SNB).....	52.68	10.28
26 51	19 00-0140	EA	5" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 593TBZB) .....	58.25	10.28
26 51	19 00-0141	EA	5" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 594WB).....	69.14	10.28
26 51	19 00-0142	EA	5" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 594SNB) .....	69.49	10.28
26 51	19 00-0143	EA	5" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 594TBZB) .....	67.92	10.28
26 51	19 00-0144	EA	5" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 595WW).....	85.78	10.28
26 51	19 00-0145	EA	5" LED Trim, White Shallow Baffle And Flange (Cooper Halo 596WB) .....	36.54	10.28
26 51	19 00-0146	EA	6" LED Trim, Polymer "Dead-Front", White Shallow Baffle And Flange (Cooper Halo 691WB) .....	72.19	10.28
26 51	19 00-0147	EA	6" LED Trim, Specular Reflector And White Flange (Cooper Halo 692SC) .....	60.16	10.28
26 51	19 00-0148	EA	6" LED Trim, Haze Reflector And White Flange (Cooper Halo 692H) .....	55.95	10.28
26 51	19 00-0149	EA	6" LED Trim, White Reflector And Flange (Cooper Halo 692W) .....	48.99	10.28
26 51	19 00-0150	EA	6" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 693WB).....	49.50	10.28
26 51	19 00-0151	EA	6" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 693BB).....	53.96	10.28
26 51	19 00-0152	EA	6" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 693SNB) .....	48.72	10.28
26 51	19 00-0153	EA	6" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 693TBZB) .....	62.95	10.28
26 51	19 00-0154	EA	6" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 694WB).....	68.95	10.28
26 51	19 00-0155	EA	6" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 694SNB) .....	88.91	10.28
26 51	19 00-0156	EA	6" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 694TBZB) .....	86.40	10.28
26 51	19 00-0157	EA	6" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 695WW).....	87.51	10.28
26 51	19 00-0158	EA	6" LED Trim, White Shallow Baffle And Flange (Cooper Halo 696WB) .....	50.10	10.28
26 51	19 00-0159	EA	6" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H750ICAT) .....	38.39	22.02
26 51	19 00-0160	EA	6" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H750RICAT).....	43.27	22.02
26 51	19 00-0161	EA	6" LED, Non-IC, Air-Tite, New Construction Housing (Cooper Halo H750T) .....	41.32	22.02
26 51	19 00-0162	EA	6" LED, Non-IC, New Construction/Remodel Chicago Plenum Housing (Cooper Halo H750TCP) .....	60.57	22.02
26 51	19 00-0163	EA	6" LED, Shallow, Insulated Ceiling, Air-Tite, New Constr. (Cooper Halo H2750ICAT) .....	58.31	22.02
26 51	19 00-0164	EA	6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H7ICAT) .....	43.94	22.02



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0165	EA		6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H7RICAT).....	47.23	22.02
26 51 19 00-0166	EA		6" Insulated Ceiling, New Construction Housing (Cooper Halo H7ICT).....	43.25	22.02
26 51 19 00-0167	EA		6" Insulated Ceiling, Remodel Housing (Cooper Halo H7RICT).....	46.86	22.02
26 51 19 00-0168	EA		6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo H7ICATNB).....	43.85	22.02
26 51 19 00-0169	EA		6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo H7ICTNB).....	43.51	22.02
26 51 19 00-0170	EA		6" Non-IC, New Construction Housing (Cooper Halo H7T).....	46.11	22.02
26 51 19 00-0171	EA		6" Non-IC, Remodel Housing (Cooper Halo H7RT).....	47.52	22.02
26 51 19 00-0172	EA		6" Non-IC, New Construction Housing, No Socket Bracket (Cooper Halo H7TNB).....	47.97	22.02
26 51 19 00-0173	EA		6" Non-IC, Chicago Plenum, New Construction/Remodel Housing (Cooper Halo H7TCP).....	69.79	22.02
26 51 19 00-0174	EA		6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo H7UICAT).....	64.31	22.02
26 51 19 00-0175	EA		6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo H7UICAT).....	64.94	22.02
26 51 19 00-0176	EA		6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI700AT).....	68.60	22.02
26 51 19 00-0177	EA		6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI700RAT).....	68.60	22.02
26 51 19 00-0178	EA		6" Insulated Ceiling, New Construction Housing (Cooper Halo EI700).....	68.60	22.02
26 51 19 00-0179	EA		6" Insulated Ceiling, Remodel Housing (Cooper Halo EI700R).....	68.60	22.02
26 51 19 00-0180	EA		6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo EI700ATNB).....	68.60	22.02
26 51 19 00-0181	EA		6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo EI700NB).....	59.03	22.02
26 51 19 00-0182	EA		6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo EI700U).....	59.03	22.02
26 51 19 00-0183	EA		6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo EI700UAT).....	59.03	22.02
26 51 19 00-0184	EA		6" Non-IC, New Construction Housing (Cooper Halo ET700).....	59.03	22.02
26 51 19 00-0185	EA		6" Non-IC, Remodel Housing (Cooper Halo ET700R).....	59.03	22.02
26 51 19 00-0186	EA		6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H27ICAT).....	59.73	22.02
26 51 19 00-0187	EA		6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H27RICAT).....	70.48	22.02
26 51 19 00-0188	EA		6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo H27ICT).....	59.73	22.02
26 51 19 00-0189	EA		6" Shallow, Insulated Ceiling, Remodel Housing (Cooper Halo H27RICT).....	67.45	22.02
26 51 19 00-0190	EA		6" Shallow, Non-IC, New Construction Housing (Cooper Halo H27T).....	55.37	22.02
26 51 19 00-0191	EA		6" Shallow, Non-IC, Remodel Housing (Cooper Halo H27RT).....	56.43	22.02
26 51 19 00-0192	EA		6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo EI2700AT).....	63.95	22.02
26 51 19 00-0193	EA		6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo EI2700).....	63.95	22.02
26 51 19 00-0194	EA		6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI2700R).....	63.95	22.02
26 51 19 00-0195	EA		6" Shallow, Non-IC, New Construction Housing (Cooper Halo ET2700).....	63.95	22.02
26 51 19 00-0196	EA		6" Shallow, Non-IC, Remodel Housing (Cooper Halo ET2700R).....	63.95	22.02
26 51 19 00-0197	EA		6" Retrofit Enclosure, Non-IC, BX Whip (Cooper Halo ML7BXRFK).....	58.03	10.28
26 51 19 00-0198	EA		6" Retrofit Enclosure, Non-IC, E26 Screw base Interface (Cooper Halo ML7E26RFK).....	60.22	10.28
26 51 19 00-0199	EA		5" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H550ICAT).....	50.62	22.02
26 51 19 00-0200	EA		5" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H550RICAT).....	50.88	22.02
26 51 19 00-0201	EA		5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H5ICAT).....	46.34	22.02
26 51 19 00-0202	EA		5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H5RICAT).....	48.57	22.02
26 51 19 00-0203	EA		5" Non-IC, New Construction Housing (Cooper Halo H5T).....	47.84	22.02
26 51 19 00-0204	EA		5" Non-IC, Remodel Housing (Cooper Halo H5RT).....	48.52	22.02
26 51 19 00-0205	EA		5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI500AT).....	58.08	22.02
26 51 19 00-0206	EA		5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI500RAT).....	58.59	22.02
26 51 19 00-0207	EA		5" Non-IC, New Construction Housing (Cooper Halo ET500).....	61.16	22.02
26 51 19 00-0208	EA		5" Non-IC, Remodel Housing (Cooper Halo ET500R).....	62.97	22.02
26 51 19 00-0209	EA		5" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H25ICAT).....	70.88	22.02
<b>26 51 19 00-0210 Recessed LED Downlights (Maxlite) (26 51 19 00-0101)</b>					
26 51 19 00-0211	EA		1,000 Lumens, 4" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR410).....	102.06	32.28
26 51 19 00-0212	EA		1,500 Lumens, 4" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR415).....	103.43	32.28
26 51 19 00-0213	EA		2,000 Lumens, 4" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR420).....	107.56	32.28
26 51 19 00-0214	EA		1,500 Lumens, 6" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR615).....	99.30	32.28
26 51 19 00-0215	EA		2,000 Lumens, 6" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR620).....	99.30	32.28
26 51 19 00-0216	EA		3,000 Lumens, 6" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR630).....	99.30	32.28
26 51 19 00-0217	EA		1,000 Lumens, 8" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR810).....	107.56	32.28
26 51 19 00-0218	EA		1,500 Lumens, 8" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR815).....	108.93	32.28
26 51 19 00-0219	EA		2,000 Lumens, 8" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR820).....	111.68	32.28
26 51 19 00-0220	EA		3,000 Lumens, 8" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR830).....	119.93	32.28
26 51 19 00-0221	EA		5,000 Lumens, 8" Diameter, Recessed LED Downlight Retrofit (MaxLite DLR850).....	130.93	32.28
<b>26 51 19 00-0222 Recessed LED Downlight Retrofits And Trim (CREE®) (26 51 19 00-0100)</b>					
<b>26 51 19 00-0223 Recessed LED Downlight Retrofits (CREE®) (26 51 19 00-0222)</b>					
Note: Dimmable to 5%. For installation in standard recessed IC or non-IC housings. Includes removal of existing lamp from fixture. Excludes housing and disposal of hazardous lamps.					
26 51 19 00-0224	EA		4" Diameter, 575 Lumens, Recessed LED Downlight Retrofit (Cree® CR4-575L).....	63.51	
26 51 19 00-0225	EA		6" Diameter, 625 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-625L).....	53.81	
26 51 19 00-0226	EA		6" Diameter, 800 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-800L).....	73.22	
26 51 19 00-0227	EA		6" Diameter, 650 Lumens, Recessed LED Downlight Retrofit (Cree® LR6C-277).....	84.53	
26 51 19 00-0228	EA		6" Diameter, 1,000 Lumens, Deep Recessed LED Downlight Retrofit (Cree® LR6-10L-XXX-120V-A-DR).....	94.24	
<b>26 51 19 00-0229 Recessed LED Downlight Retrofits Trim (CREE®) (26 51 19 00-0222)</b>					
Note: For installation in standard recessed IC or non-IC housings. Excludes housing and lamp.					
26 51 19 00-0230	EA		6" Diameter, Diffuse Anodized Finish Reflector For LED Downlight Retrofits (Cree® CT6AX).....	27.18	5.13
26 51 19 00-0231	EA		6" Diameter, Diffuse Anodized Finish Reflector With Painted Flange For LED Downlight Retrofits (Cree® LT6AP).....	33.65	5.13
26 51 19 00-0232	EA		6" Diameter, Flat Black Finish Trim And Reflector For LED Downlight Retrofits (Cree® CT6BB).....	28.80	5.13



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 51 19 00-0233		<b>Recessed LED Downlight Fixture Housings (CREE®)</b> (26 51 19 00-0222) Note: Excludes lamp and trim.		
26 51 19 00-0234	EA	6" Diameter, IC Rated, Architectural Recessed LED Downlight Fixture Housing (Cree® H6) .....	71.84	22.02
26 51 19 00-0235	EA	6" Diameter, IC Rated, Retrofit Recessed LED Downlight Fixture Housing (Cree® RR6) .....	49.19	22.02
26 51 19 00-0236		<b>Can Retrofit Or Surface Mount, LED Downlights</b> (26 51 19 00-0100)		
26 51 19 00-0237	EA	6" Diameter, 15 Watt, Can Retrofit Or Surface Mount, LED Downlight (Lighting Science® GLP6) .....	94.79	20.13
26 51 19 00-0238	EA	4" Diameter, 7 Watt, Can Retrofit, LED Downlight (Green Creative 01-811-D).....	69.69	20.13
26 51 19 00-0239	EA	6" Diameter, 9.5 Watt, Can Retrofit, LED Downlight (Green Creative 01-808-D).....	69.69	20.13
26 51 19 00-0240	EA	6" Diameter, 8.9 Watt, Can Retrofit, LED Downlight (Lithonia 6BP) .....	79.18	20.13
		<i>For Recessed IC/Non-IC Rated Housing For New Construction, Add</i> .....	29.09	
26 51 19 00-0241	EA	4" Diameter, 8 Watt, 600 Lumens, Retrofit LED Downlight (Sylvania LED/RT4/550/840) .....	40.35	20.13
26 51 19 00-0242	EA	5" Diameter, 10 Watt, 700 Lumens, Retrofit LED Downlight (Sylvania LED/RT5/6/625/840).....	44.43	20.13
26 51 19 00-0243	EA	6" Diameter, 10 Watt, 800 Lumens, Retrofit LED Wallwash Downlight (Indy Lighting LRT6-08LM) .....	508.78	20.13
26 51 19 00-0244		<b>Wall Mount LED Cylinder Downlight</b> (26 51 19 00-0001)		
26 51 19 00-0245	EA	2,200 Lumens, 9" Diameter, Wall Mount LED Cylinder Downlight With Semi-Specular Trim (Gotham® EVO® CLED9).....	572.91	31.26
26 51 19 00-0246		<b>Wall Sconce And Wall Wash LED Fixtures</b> (26 51 19 00-0001)		
26 51 19 00-0247		<b>LED Wall Sconce Fixtures (Hudson Valley Lighting)</b> (26 51 19 00-0246)		
26 51 19 00-0248	EA	2-1/2" Diameter x 15-1/2" High, Polished Nickel, LED Wall Sconce (Hudson Valley Lighting SHAW 1200-PN) .....	294.03	29.35
26 51 19 00-0249		<b>LED Wall Sconce Fixtures (Kichler)</b> (26 51 19 00-0246)		
26 51 19 00-0250	EA	6" High x 11.75" Wide x 3.5" Deep, 15 Watt, 900 Lumens, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Kichler 10790NILED).....	165.08	29.35
26 51 19 00-0251		<b>LED Wall Sconce Fixtures (Metalux)</b> (26 51 19 00-0246)		
26 51 19 00-0252	EA	9.875" High x 7.125" Wide x 3.5" Deep, 9 Watt LED, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Metalux AFX VNTS071009L30ENBN) .....	92.03	29.35
26 51 19 00-0253	EA	5" LED, Cape Sconce Wall Light, White (AFX CAPW050804L30ENWH).....	86.03	29.35
26 51 19 00-0254		<b>Concealed Continuous LED Fixtures</b> (26 51 19 00-0001)		
26 51 19 00-0255		<b>Concealed Continuous LED Fixtures (Fraqtir™ S301)</b> (26 51 19 00-0254)		
26 51 19 00-0256	LF	Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Driver (Fraqtir™ S301) .....	402.32	3.35
26 51 19 00-0257	LF	Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Dimming Driver (Fraqtir™ S301) .....	458.65	3.35
26 51 19 00-0258		<b>Low Bay LED Fixtures</b> (26 51 19 00-0001)		
26 51 19 00-0259		<b>LED Linear Low Bay Fixtures (PlanLED)</b> (26 51 19 00-0258)		
26 51 19 00-0260	EA	4' Length, 23 System Watts, LED Linear Low Bay Fixture (PlanLED A1W4).....	209.83	40.25
26 51 19 00-0261	EA	4' Length, 42 System Watts, LED Linear Low Bay Fixture (PlanLED A2W4A) .....	283.58	40.25
26 51 19 00-0262	EA	8' Length, 84 System Watts, LED Linear Low Bay Fixture (PlanLED A2W5A) .....	470.45	50.32
26 51 19 00-0263		<b>LED Linear Low Bay Fixtures (CREE® CS)</b> (26 51 19 00-0258) Note: Includes 3,500 or 4,000K color temperature, 120/277 voltage and lightweight polymer housing assembly. Excludes sensors.		
26 51 19 00-0264	EA	4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Cree® CS14™).....	510.93	40.25
26 51 19 00-0265	EA	7,500 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™).....	636.06	50.32
26 51 19 00-0266	EA	8,000 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™).....	815.59	50.32
26 51 19 00-0267		<b>LED Linear Low Bay Fixtures (Lithonia MSL)</b> (26 51 19 00-0258) Note: Includes 3,500K, 4,000K or 5,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.		
26 51 19 00-0268	EA	4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Lithonia MSL).....	550.86	40.25
26 51 19 00-0269		<b>Wet/Hazardous Location, LED Fixtures</b> (26 51 19 00-0001)		
26 51 19 00-0270		<b>Wet Location, LED Fixtures</b> (26 51 19 00-0269)		
26 51 19 00-0271		<b>Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM)</b> (26 51 19 00-0270) Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0272	EA	29 System Watts, 3,531 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM3L).....	1,716.18	56.35
			<i>For Ceiling Mount, Add</i>	15.15	
			<i>For Quick Clip Mounting Option, Add</i>	22.28	
			<i>For Frosted Lens, Add</i>	47.91	
			<i>For Warm White Color Rendering, Add</i>	61.68	
			<i>For Stanchion Mount, Add</i>	103.37	
			<i>For Wall Mount, Add</i>	114.42	
			<i>For Polycarbonate Lens, Add</i>	88.80	
			<i>For Teflon Coated Lens, Add</i>	101.69	
			<i>For 480 Volt, Add</i>	145.27	
26 51	19 00-0273	EA	43 System Watts, 5,335 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM5L).....	1,748.49	60.38
			<i>For Ceiling Mount, Add</i>	15.15	
			<i>For Quick Clip Mounting Option, Add</i>	22.28	
			<i>For Frosted Lens, Add</i>	47.91	
			<i>For Warm White Color Rendering, Add</i>	61.68	
			<i>For Stanchion Mount, Add</i>	103.37	
			<i>For Wall Mount, Add</i>	114.42	
			<i>For Polycarbonate Lens, Add</i>	88.80	
			<i>For Teflon Coated Lens, Add</i>	101.69	
			<i>For 480 Volt, Add</i>	145.27	
26 51	19 00-0274	EA	62 System Watts, 7,195 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM7L).....	1,975.66	64.40
			<i>For Ceiling Mount, Add</i>	15.15	
			<i>For Quick Clip Mounting Option, Add</i>	22.28	
			<i>For Frosted Lens, Add</i>	47.91	
			<i>For Warm White Color Rendering, Add</i>	61.68	
			<i>For Stanchion Mount, Add</i>	103.37	
			<i>For Wall Mount, Add</i>	114.42	
			<i>For Polycarbonate Lens, Add</i>	88.80	
			<i>For Teflon Coated Lens, Add</i>	101.69	
			<i>For 480 Volt, Add</i>	145.27	
26 51	19 00-0275	EA	85 System Watts, 9,266 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM9L).....	2,381.66	68.43
			<i>For Ceiling Mount, Add</i>	15.15	
			<i>For Quick Clip Mounting Option, Add</i>	22.28	
			<i>For Frosted Lens, Add</i>	47.91	
			<i>For Warm White Color Rendering, Add</i>	61.68	
			<i>For Stanchion Mount, Add</i>	103.37	
			<i>For Wall Mount, Add</i>	114.42	
			<i>For Polycarbonate Lens, Add</i>	88.80	
			<i>For Teflon Coated Lens, Add</i>	101.69	
			<i>For 480 Volt, Add</i>	145.27	
26 51	19 00-0276	EA	113 System Watts, 11,440 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L).....	3,043.09	72.45
			<i>For Ceiling Mount, Add</i>	15.15	
			<i>For Quick Clip Mounting Option, Add</i>	22.28	
			<i>For Frosted Lens, Add</i>	47.91	
			<i>For Warm White Color Rendering, Add</i>	61.68	
			<i>For Stanchion Mount, Add</i>	103.37	
			<i>For Wall Mount, Add</i>	114.42	
			<i>For Polycarbonate Lens, Add</i>	88.80	
			<i>For Teflon Coated Lens, Add</i>	101.69	
			<i>For 480 Volt, Add</i>	145.27	
26 51	19 00-0277	EA	131 System Watts, 13,226 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L).....	4,011.94	74.47
			<i>For Ceiling Mount, Add</i>	15.15	
			<i>For Quick Clip Mounting Option, Add</i>	22.28	
			<i>For Frosted Lens, Add</i>	47.91	
			<i>For Warm White Color Rendering, Add</i>	61.68	
			<i>For Stanchion Mount, Add</i>	103.37	
			<i>For Wall Mount, Add</i>	114.42	
			<i>For Polycarbonate Lens, Add</i>	88.80	
			<i>For Teflon Coated Lens, Add</i>	101.69	
			<i>For 480 Volt, Add</i>	145.27	
26 51	19 00-0278	EA	168 System Watts, 18,793 Lumens, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM17L).....	4,650.22	76.47
			<i>For Ceiling Mount, Add</i>	15.15	
			<i>For Quick Clip Mounting Option, Add</i>	22.28	
			<i>For Frosted Lens, Add</i>	47.91	
			<i>For Warm White Color Rendering, Add</i>	61.68	
			<i>For Stanchion Mount, Add</i>	103.37	
			<i>For Wall Mount, Add</i>	114.42	
			<i>For Polycarbonate Lens, Add</i>	88.80	
			<i>For Teflon Coated Lens, Add</i>	101.69	
			<i>For 480 Volt, Add</i>	145.27	

26 51 19 00-0279 Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM)<sup>(26 51 19 00-0270)</sup>  
 Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0280	EA		45 System Watts, 5,183 Lumens, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM5L) .....	1,543.20	60.38
			<i>For Bolt-On Visor, Add</i> .....	82.49	
			<i>For Bolt-On Wire Guard, Add</i> .....	169.67	
			<i>For 480 Volt, Add</i> .....	145.27	
			<i>For Warm White Color Rendering, Add</i> .....	61.68	
26 51 19 00-0281	EA		62 System Watts, 7,095 Lumens, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM7L) .....	2,286.72	64.40
			<i>For Bolt-On Visor, Add</i> .....	82.49	
			<i>For Bolt-On Wire Guard, Add</i> .....	169.67	
			<i>For 480 Volt, Add</i> .....	145.27	
			<i>For Warm White Color Rendering, Add</i> .....	61.68	
26 51 19 00-0282	EA		79 System Watts, 9,132 Lumens, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM9L) .....	2,522.43	68.43
			<i>For Bolt-On Visor, Add</i> .....	82.49	
			<i>For Bolt-On Wire Guard, Add</i> .....	169.67	
			<i>For 480 Volt, Add</i> .....	145.27	
			<i>For Warm White Color Rendering, Add</i> .....	61.68	
26 51 19 00-0283	EA		99 System Watts, 11,107 Lumens, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM11L) .....	2,898.47	72.45
			<i>For Bolt-On Visor, Add</i> .....	82.49	
			<i>For Bolt-On Wire Guard, Add</i> .....	169.67	
			<i>For 480 Volt, Add</i> .....	145.27	
			<i>For Warm White Color Rendering, Add</i> .....	61.68	
26 51 19 00-0284			<b>Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2L)</b> <small>(26 51 19 00-0270)</small> Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 19 00-0285	EA		25 System Watts, 1,400 Lumens, Pendant Mount, Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2LC) .....	1,064.72	56.35
			<i>For 12/24 Volt DC Driver, Add</i> .....	23.44	
			<i>For Frosted Lens, Add</i> .....	47.91	
			<i>For 55 Degree Ambient Suitability (AC Only), Add</i> .....	31.92	
			<i>For Warm White Color Rendering, Add</i> .....	61.68	
			<i>For Ceiling Mount, Add</i> .....	72.84	
			<i>For Wall Mount, Add</i> .....	105.63	
			<i>For Teflon Coated Lens, Add</i> .....	101.69	
			<i>For Wall Mount With Junction Box, Add</i> .....	153.45	
26 51 19 00-0286			<b>Class I Division 2, Hazardous Location, LED Fixtures</b> <small>(26 51 19 00-0269)</small>		
26 51 19 00-0287			<b>Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV)</b> <small>(26 51 19 00-0286)</small> Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 19 00-0288	EA		45 System Watts, 5,183 Lumens, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV5L) .....	2,110.09	60.38
			<i>For Bolt-On Visor, Add</i> .....	82.49	
			<i>For Bolt-On Wire Guard, Add</i> .....	169.67	
			<i>For 480 Volt, Add</i> .....	145.27	
			<i>For Warm White Color Rendering, Add</i> .....	61.68	
26 51 19 00-0289	EA		62 System Watts, 7,095 Lumens, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV7L) .....	2,591.98	64.40
			<i>For Bolt-On Visor, Add</i> .....	82.49	
			<i>For Bolt-On Wire Guard, Add</i> .....	169.67	
			<i>For 480 Volt, Add</i> .....	145.27	
			<i>For Warm White Color Rendering, Add</i> .....	61.68	
26 51 19 00-0290	EA		79 System Watts, 9,132 Lumens, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV9L) .....	2,931.34	68.43
			<i>For Bolt-On Visor, Add</i> .....	82.49	
			<i>For Bolt-On Wire Guard, Add</i> .....	169.67	
			<i>For 480 Volt, Add</i> .....	145.27	
			<i>For Warm White Color Rendering, Add</i> .....	61.68	
26 51 19 00-0291	EA		99 System Watts, 11,107 Lumens, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV11L) .....	3,280.19	72.45
			<i>For Bolt-On Visor, Add</i> .....	82.49	
			<i>For Bolt-On Wire Guard, Add</i> .....	169.67	
			<i>For 480 Volt, Add</i> .....	145.27	
			<i>For Warm White Color Rendering, Add</i> .....	61.68	
26 51 19 00-0292			<b>Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC)</b> <small>(26 51 19 00-0286)</small> Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	19 00-0293	EA	25 System Watts, 1,600 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC) .....	1,231.50	56.35
			<i>For 12/24 Volt DC Driver, Add</i>	23.44	
			<i>For Frosted Lens, Add</i>	47.91	
			<i>For Warm White Color Temperature LEDs, Add</i>	61.68	
			<i>For 55 Degree Ambient Suitability (AC Only) Option, Add</i>	31.92	
			<i>For Stanchion Mount, Add</i>	197.64	
			<i>For Ceiling Mount, Add</i>	79.25	
			<i>For Wall Mount, Add</i>	115.69	
			<i>For Teflon Coated Lens, Add</i>	101.69	
			<i>For Wall Mount With Junction Box, Add</i>	168.92	
26 51	19 00-0294		<b>Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV) <small>(26 51 19 00-0286)</small></b> Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51	19 00-0295	EA	47 System Watts, 3,240 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV3L) .....	1,983.08	56.35
			<i>For Ceiling Mount, Add</i>	15.17	
			<i>For Quick Clip Mounting Option, Add</i>	22.28	
			<i>For Frosted Lens, Add</i>	47.91	
			<i>For Warm White Color Rendering, Add</i>	61.68	
			<i>For Polycarbonate Lens, Add</i>	88.80	
			<i>For 480 Volt, Add</i>	145.27	
26 51	19 00-0296	EA	63 System Watts, 3,778 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV5L) .....	2,198.53	60.38
			<i>For Ceiling Mount, Add</i>	15.17	
			<i>For Quick Clip Mounting Option, Add</i>	22.28	
			<i>For Frosted Lens, Add</i>	47.91	
			<i>For Warm White Color Rendering, Add</i>	61.68	
			<i>For Polycarbonate Lens, Add</i>	88.80	
			<i>For 480 Volt, Add</i>	145.27	
26 51	19 00-0297	EA	98 System Watts, 6,340 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV7L) .....	2,466.36	64.40
			<i>For Ceiling Mount, Add</i>	15.17	
			<i>For Quick Clip Mounting Option, Add</i>	22.28	
			<i>For Frosted Lens, Add</i>	47.91	
			<i>For Warm White Color Rendering, Add</i>	61.68	
			<i>For Polycarbonate Lens, Add</i>	88.80	
			<i>For 480 Volt, Add</i>	145.27	
26 51	19 00-0298	EA	98 System Watts, 6,340 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV9L) .....	3,225.48	68.43
			<i>For Ceiling Mount, Add</i>	15.17	
			<i>For Quick Clip Mounting Option, Add</i>	22.28	
			<i>For Frosted Lens, Add</i>	47.91	
			<i>For Warm White Color Rendering, Add</i>	61.68	
			<i>For Polycarbonate Lens, Add</i>	88.80	
			<i>For 480 Volt, Add</i>	145.27	
26 51	19 00-0299	EA	137 System Watts, 9,720 Lumens, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV11L) .....	3,705.62	72.45
			<i>For Ceiling Mount, Add</i>	15.17	
			<i>For Quick Clip Mounting Option, Add</i>	22.28	
			<i>For Frosted Lens, Add</i>	47.91	
			<i>For Warm White Color Rendering, Add</i>	61.68	
			<i>For Polycarbonate Lens, Add</i>	88.80	
			<i>For 480 Volt, Add</i>	145.27	
26 51	19 00-0300		<b>Class I Division 1, Explosion Proof, LED Fixtures <small>(26 51 19 00-0269)</small></b>		
26 51	19 00-0301		<b>Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL) <small>(26 51 19 00-0300)</small></b> Note: Includes 5,600K CRI LED arrays, shatter resistant and explosion proof glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51	19 00-0302	EA	80 System Watts, 5,625 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL5L) .....	2,827.68	60.38
			<i>For Wall Mount, Deduct</i>	-10.91	
			<i>For Warm Color Temperature LEDs, Add</i>	58.74	
			<i>For Stainless Steel Guard, Add</i>	105.44	
			<i>For Ceiling Mount, Add</i>	127.19	
			<i>For Stanchion Mount, Add</i>	148.03	
			<i>For Yoke Mount, Add</i>	370.08	
26 51	19 00-0303	EA	100 System Watts, 6,750 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL7L) .....	3,442.41	64.40
			<i>For Wall Mount, Deduct</i>	-10.91	
			<i>For Warm Color Temperature LEDs, Add</i>	58.74	
			<i>For Stainless Steel Guard, Add</i>	105.44	
			<i>For Ceiling Mount, Add</i>	127.19	
			<i>For Stanchion Mount, Add</i>	148.03	
			<i>For Yoke Mount, Add</i>	370.08	



**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 51 19 00-0304	EA	130 System Watts, 9,000 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL9L).....	4,001.95	68.43
		<i>For Wall Mount, Deduct</i>	-10.91	
		<i>For Warm Color Temperature LEDs, Add</i>	58.74	
		<i>For Stainless Steel Guard, Add</i>	105.44	
		<i>For Ceiling Mount, Add</i>	127.19	
		<i>For Stanchion Mount, Add</i>	148.03	
		<i>For Yoke Mount, Add</i>	370.08	
26 51 19 00-0305	EA	151 System Watts, 10,500 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL11L).....	4,571.79	72.45
		<i>For Wall Mount, Deduct</i>	-10.91	
		<i>For Warm Color Temperature LEDs, Add</i>	58.74	
		<i>For Stainless Steel Guard, Add</i>	105.44	
		<i>For Ceiling Mount, Add</i>	127.19	
		<i>For Stanchion Mount, Add</i>	148.03	
		<i>For Yoke Mount, Add</i>	370.08	
26 51 19 00-0306	EA	175 System Watts, 13,500 Lumens, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL13L).....	5,300.80	69.76
		<i>For Wall Mount, Deduct</i>	-10.91	
		<i>For Warm Color Temperature LEDs, Add</i>	58.74	
		<i>For Stainless Steel Guard, Add</i>	105.44	
		<i>For Ceiling Mount, Add</i>	127.19	
		<i>For Stanchion Mount, Add</i>	148.03	
		<i>For Yoke Mount, Add</i>	370.08	
<b>26 51 19 00-0307 Ceiling Mounted LED Fixtures (26 51 19 00-0001)</b>				
<b>26 51 19 00-0308 Ceiling Mounted, LED Drum Fixtures (Enertron) (26 51 19 00-0307)</b>				
26 51 19 00-0309	EA	7 Watts, 11" Diameter, 530 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED1X611-30).....	108.06	26.84
26 51 19 00-0310	EA	10 Watts 11" Diameter, 1060 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED2X611-30).....	114.80	26.84
26 51 19 00-0311	EA	14 Watts 11" Diameter, 1590 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED3X611-30).....	121.53	26.84
26 51 19 00-0312	EA	17 Watts 11" Diameter, 2120 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED4X611-30).....	128.26	26.84
26 51 19 00-0313	EA	7 Watts, 14" Diameter, 530 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED1X614-30).....	119.07	29.52
26 51 19 00-0314	EA	10 Watts, 14" Diameter, 1060 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED2X614-30).....	125.80	29.52
26 51 19 00-0315	EA	14 Watts, 14" Diameter, 1590 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED3X614-30).....	132.53	29.52
26 51 19 00-0316	EA	17 Watts, 14" Diameter, 2120 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED4X614-30).....	139.27	29.52
26 51 19 00-0317	EA	24 Watts, 14" Diameter, 3180 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED6X614-30).....	152.73	29.52
26 51 19 00-0318	EA	7 Watts, 11" Diameter, 530 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED1X611-35).....	108.06	26.84
26 51 19 00-0319	EA	10 Watts, 11" Diameter, 1060 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X611-35).....	114.79	26.84
26 51 19 00-0320	EA	14 Watts, 11" Diameter, 1590 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED3X611-35).....	121.53	26.84
26 51 19 00-0321	EA	17 Watts, 11" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED4X611-35).....	128.26	26.84
26 51 19 00-0322	EA	7 Watts, 14" Diameter, 530 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED1X614-35).....	119.07	29.52
26 51 19 00-0323	EA	10 Watts, 14" Diameter, 1060 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X614-35).....	125.80	29.52
26 51 19 00-0324	EA	14 Watts, 14" Diameter, 1590 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED3X614-35).....	132.53	29.52
26 51 19 00-0325	EA	17 Watts, 14" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED4X614-35).....	139.27	29.52
26 51 19 00-0326	EA	24 Watts, 14" Diameter, 3180 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED6X614-30).....	152.73	29.52
26 51 19 00-0327	EA	7 Watts, 11" Diameter, 550 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X611-40).....	108.06	26.84
26 51 19 00-0328	EA	10 Watts, 11" Diameter, 1100 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED2X611-40).....	114.79	26.84
26 51 19 00-0329	EA	14 Watts, 11" Diameter, 1650 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED3X611-40).....	121.53	26.84
26 51 19 00-0330	EA	17 Watts, 11" Diameter, 2200 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED4X611-40).....	128.26	26.84
26 51 19 00-0331	EA	7 Watts, 14" Diameter, 550 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40).....	119.07	29.52
26 51 19 00-0332	EA	10 Watts, 14" Diameter, 1100 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40).....	125.80	29.52
26 51 19 00-0333	EA	14 Watts, 14" Diameter, 1650 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40).....	132.53	29.52
26 51 19 00-0334	EA	17 Watts, 14" Diameter, 2200 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40).....	139.27	29.52
26 51 19 00-0335	EA	24 Watts, 14" Diameter, 3300 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40).....	152.73	29.52
26 51 19 00-0336	EA	7 Watts, 11" Diameter, 560 Lumens, 5000K CCT, LED Drum Fixture (Enertron 10LED1X611-50).....	108.06	26.84
26 51 19 00-0337	EA	10 Watts, 11" Diameter, 1120 Lumens, 5000K CCT, LED Drum Fixture (Enertron 10LED2X611-50).....	114.79	26.84
26 51 19 00-0338	EA	14 Watts, 11" Diameter, 1680 Lumens, 5000K CCT, LED Drum Fixture (Enertron 10LED3X611-50).....	121.53	26.84
26 51 19 00-0339	EA	17 Watts, 11" Diameter, 2240 Lumens, 5000K CCT, LED Drum Fixture (Enertron 10LED4X611-50).....	128.26	26.84
26 51 19 00-0340	EA	7 Watts, 14" Diameter, 560 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40).....	119.07	29.52
26 51 19 00-0341	EA	10 Watts, 14" Diameter, 1120 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40).....	125.80	29.52
26 51 19 00-0342	EA	14 Watts, 14" Diameter, 1680 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40).....	132.53	29.52
26 51 19 00-0343	EA	17 Watts, 14" Diameter, 2240 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40).....	139.27	29.52
26 51 19 00-0344	EA	24 Watts, 14" Diameter, 3360 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40).....	152.73	29.52
26 51 19 00-0345	EA	10 Watts, 19" Diameter, 1060 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-30).....	155.47	31.86
26 51 19 00-0346	EA	17 Watts, 19" Diameter, 2120 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED4X619-30).....	170.77	31.86
26 51 19 00-0347	EA	17 Watts, 19" Diameter, 2120 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-30).....	167.03	31.86
26 51 19 00-0348	EA	18 Watts, 19" Diameter, 1910 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-30).....	166.97	31.86
26 51 19 00-0349	EA	24 Watts, 19" Diameter, 3180 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30).....	184.23	31.86
26 51 19 00-0350	EA	25 Watts, 19" Diameter, 3160 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30).....	178.66	31.86
26 51 19 00-0351	EA	31 Watts, 19" Diameter, 4240 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30).....	201.98	31.86
26 51 19 00-0352	EA	32 Watts, 19" Diameter, 3820 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-30).....	194.39	31.86
26 51 19 00-0353	EA	32 Watts, 19" Diameter, 4240 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-30).....	194.45	31.86
26 51 19 00-0354	EA	10 Watts, 19" Diameter, 1060 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12S19-35).....	155.47	31.86
26 51 19 00-0355	EA	17 Watts, 19" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED4X619-35).....	170.77	31.86
26 51 19 00-0356	EA	17 Watts, 19" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35).....	167.03	31.86
26 51 19 00-0357	EA	18 Watts, 19" Diameter, 1910 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12H19-35).....	166.97	31.86
26 51 19 00-0358	EA	24 Watts, 19" Diameter, 3180 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30).....	184.23	31.86
26 51 19 00-0359	EA	25 Watts, 19" Diameter, 3160 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30).....	178.66	31.86
26 51 19 00-0360	EA	31 Watts, 19" Diameter, 4240 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30).....	201.98	31.86
26 51 19 00-0361	EA	32 Watts, 19" Diameter, 3820 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12H19-35).....	194.39	31.86
26 51 19 00-0362	EA	32 Watts, 19" Diameter, 4240 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED4X12S19-35).....	194.45	31.86



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0363 EA 10 Watts, 19" Diameter, 1100 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-40).....	155.47	31.86
26 51 19 00-0364 EA 17 Watts, 19" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35).....	170.77	31.86
26 51 19 00-0365 EA 17 Watts, 19" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35).....	167.03	31.86
26 51 19 00-0366 EA 18 Watts, 19" Diameter, 2000 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-40).....	166.97	31.86
26 51 19 00-0367 EA 24 Watts, 19" Diameter, 3180 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30).....	184.23	31.86
26 51 19 00-0368 EA 25 Watts, 19" Diameter, 3160 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30).....	178.66	31.86
26 51 19 00-0369 EA 31 Watts, 19 " Diameter, 4240 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30).....	201.98	31.86
26 51 19 00-0370 EA 32 Watts, 19" Diameter, 4000 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-40).....	194.39	31.86
26 51 19 00-0371 EA 32 Watts, 19" Diameter, 4400 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-40).....	194.45	31.86
26 51 19 00-0372 EA 10 Watts, 19" Diameter, 1120 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-50).....	155.47	31.86
26 51 19 00-0373 EA 17 Watts, 19" Diameter, 2120 Lumens, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35).....	170.77	31.86
26 51 19 00-0374 EA 17 Watts, 19" Diameter, 2240 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-50).....	167.03	31.86
26 51 19 00-0375 EA 18 Watts, 19" Diameter, 2010 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-50).....	166.97	31.86
26 51 19 00-0376 EA 24 Watts, 19" Diameter, 3180 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30).....	184.23	31.86
26 51 19 00-0377 EA 25 Watts, 19" Diameter, 3160 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30).....	178.66	31.86
26 51 19 00-0378 EA 31 Watts, 19 " Diameter, 4240 Lumens, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30).....	201.98	31.86
26 51 19 00-0379 EA 32 Watts, 19" Diameter, 4020 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-50).....	194.39	31.86
26 51 19 00-0380 EA 32 Watts, 19" Diameter, 4480 Lumens, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-50).....	194.45	31.86
<b>26 51 19 00-0381 Ceiling Mounted, LED Mushroom Fixtures (Mobern) (26 51 19 00-0307)</b>		
26 51 19 00-0382 EA 14" Diameter, 800 Lumens, 12 Watt, LED Ceiling Fixture (Mobern 6814LED12MV30).....	108.28	29.52
<b>26 51 19 00-0383 Ceiling Mounted, LED Fixtures (Sylvania) (26 51 19 00-0307)</b>		
26 51 19 00-0384 EA 12.5" x 12.5" x 2.32" Deep, 4,200 Lumens, 35 Watt, LED Garage Light Fixture (Sylvania GARAG1/035UNVD740/G5/SV/D).....	393.30	31.86
26 51 19 00-0385 EA 2' x 2', 32 Watt, 120-277 Volt, 4000K, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/22G/WH + SMKIT1A/24A/WH).....	153.16	26.84
26 51 19 00-0386 EA 2' x 4', 32 Watt, 120-277 Volt, 3500K, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD835/24G/WH + SMKIT1A/24A/WH).....	190.40	31.26
26 51 19 00-0387 EA 2' x 4', 32 Watt, 120-277 Volt, 4000K, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/24G/WH + SMKIT1A/24A/WH).....	192.59	31.26
<b>26 51 19 00-0388 Refrigeration/Display LED Fixtures (26 51 19 00-0001)</b>		
<b>26 51 19 00-0389 Refrigeration/Display LED Fixtures (Lithonia) (26 51 19 00-0388)</b>		
Note: Fixtures exclude driver.		
26 51 19 00-0390 EA 5' Length, Center Mount, Refrigeration/Display, Vertical LED Fixture (Lithonia FSV5 CM).....	306.68	31.26
26 51 19 00-0391 EA 5' Length, Left And Right Mount (Pair), Refrigeration/Display, Vertical LED Fixture (Lithonia FSVDRVL RLEM DLC).....	379.31	55.34
26 51 19 00-0392 EA Up To 5 Door Configuration, LED Driver For Refrigeration/Display, Vertical LED Fixtures (Lithonia FSVDRVL).....	377.78	44.28
<b>26 51 19 00-0393 Pendant Mount, LED Fixtures (26 51 19 00-0001)</b>		
<b>26 51 19 00-0394 Pendant Mount, Circular Architectural LED Fixtures (Delray Lighting) (26 51 19 00-0393)</b>		
26 51 19 00-0395 EA 2,166 Lumens, 2' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 W W35 S).....	1,464.73	68.43
26 51 19 00-0396 EA 3,250 Lumens, 3' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 W W35 S).....	2,209.89	72.45
26 51 19 00-0397 EA 4,333 Lumens, 4' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 W W35 S).....	2,821.08	76.47
26 51 19 00-0398 EA 5,416 Lumens, 5' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 W W35 S).....	3,566.24	80.50
26 51 19 00-0399 EA 2,166 Lumens, 2' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 S W35 S).....	1,553.30	68.43
26 51 19 00-0400 EA 3,250 Lumens, 3' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 S W35 S).....	2,327.24	72.45
26 51 19 00-0401 EA 4,333 Lumens, 4' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 S W35 S).....	2,939.54	76.47
26 51 19 00-0402 EA 5,416 Lumens, 5' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 S W35 S).....	3,699.10	80.50
<b>26 51 19 00-0403 Pendant Mount, LED Commercial Fixtures (DMF) (26 51 19 00-0393)</b>		
26 51 19 00-0404 EA 3,000 Lumens, 18-1/4" Diameter, Pendant Mount, LED Commercial Fixture (DMF DP610LED).....	568.61	40.25
<b>26 51 19 00-0405 LED Track Lighting Fixtures (26 51 19)</b>		
26 51 19 00-0406 EA 19 Watt, Dimmable, LED Track Lighting Fixture (Juno® TRAC-MASTER® Cylindra™).....	249.90	12.25
26 51 19 00-0407 EA 18 Watt, Dimmable, LED Track Lighting Fixture (HALO® Stasis L805MED).....	451.55	12.25
26 51 19 00-0408 EA 24 Watt, Dimmable, LED Track Lighting Fixture (Amerlux CNTRV33).....	257.56	12.25
<b>26 51 23 HID Interior Lighting (26 51)</b>		
<b>26 51 23 00-0001 Large Interior Area Fixtures (26 51 23)</b>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51	23 00-0002		<b>Recessed Mounted, Large Interior Area Fixtures</b> (26 51 23 00-0001) Note: Cast aluminum socket housing, anodized aluminum reflector, tempered glass or acrylic lens, plaster mounting frames and brackets.		
26 51	23 00-0003		<b>High Pressure Sodium, Recessed Mounted, Large Interior Area Fixtures</b> (26 51 23 00-0002)		
	26 51 23 00-0004	EA	150 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture .....278.46	78.22	
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
	26 51 23 00-0005	EA	250 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture .....290.13	83.06	
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
	26 51 23 00-0006	EA	400 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture .....304.27	94.80	
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
26 51	23 00-0007		<b>Metal Halide, Recessed Mounted, Large Interior Area Fixtures</b> (26 51 23 00-0002)		
	26 51 23 00-0008	EA	150 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture .....283.31	78.22	
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
	26 51 23 00-0009	EA	250 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture .....292.21	83.06	
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
	26 51 23 00-0010	EA	400 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture .....311.25	94.80	
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
26 51	23 00-0011		<b>Low Bay Fixtures, Large Interior Area Fixtures</b> (26 51 23 00-0001) Note: Heavy duty steel housing, aluminum reflector, tempered glass or acrylic lens. Low bay fixtures are for mounting below 20-25 feet.		
26 51	23 00-0012		<b>High Pressure Sodium, Low Bay Fixtures</b> (26 51 23 00-0011)		
	26 51 23 00-0013	EA	150 Watt High Pressure Sodium, Low Bay Fixture .....293.77	71.51	
			For Wire Guard, Add	40.50	
			For Enclosed And Gasketed, Add	75.47	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
	26 51 23 00-0014	EA	250 Watt High Pressure Sodium, Low Bay Fixture .....301.63	75.94	
			For Wire Guard, Add	40.50	
			For Enclosed And Gasketed, Add	75.47	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
	26 51 23 00-0015	EA	400 Watt High Pressure Sodium, Low Bay Fixture .....319.16	86.67	
			For Wire Guard, Add	40.50	
			For Enclosed And Gasketed, Add	75.47	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
26 51	23 00-0016		<b>Metal Halide, Low Bay Fixtures</b> (26 51 23 00-0011)		
	26 51 23 00-0017	EA	175 Watt Metal Halide, Low Bay Fixture .....290.67	71.51	
			For Wire Guard, Add	40.50	
			For Enclosed And Gasketed, Add	75.47	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
	26 51 23 00-0018	EA	250 Watt Metal Halide, Low Bay Fixture .....298.11	75.94	
			For Wire Guard, Add	40.50	
			For Enclosed And Gasketed, Add	75.47	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
	26 51 23 00-0019	EA	400 Watt Metal Halide, Low Bay Fixture .....321.47	86.67	
			For Wire Guard, Add	40.50	
			For Enclosed And Gasketed, Add	75.47	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
26 51	23 00-0020		<b>High Bay Fixtures, Large Interior Area Fixtures</b> (26 51 23 00-0001) Note: High bay fixtures are for mounting above 20-25 feet. See CSI section 01 22 23 00-0001 for lifts.		
26 51	23 00-0021		<b>High Pressure Sodium, High Bay Fixtures</b> (26 51 23 00-0020) Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
	26 51 23 00-0022	EA	250 Watt High Pressure Sodium, High Bay Fixture .....268.64	75.94	
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
			For Glass Or Acrylic Reflector, Add	90.00	
			For Tempered Glass Or Acrylic Lens, Add	60.50	
			For Polycarbonate Lens, Add	47.75	
			For Security Chain, Add	19.34	
			For Optical Safety Chain, Add	7.47	
			For Ballast Safety Chain, Add	12.13	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0023	EA		400 Watt High Pressure Sodium, High Bay Fixture .....	289.65	86.67
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Glass Or Acrylic Reflector, Add</i>	90.00	
			<i>For Tempered Glass Or Acrylic Lens, Add</i>	60.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Security Chain, Add</i>	19.34	
			<i>For Optical Safety Chain, Add</i>	7.47	
			<i>For Ballast Safety Chain, Add</i>	12.13	
26 51 23 00-0024	EA		1,000 Watt High Pressure Sodium, High Bay Fixture .....	425.97	91.16
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Glass Or Acrylic Reflector, Add</i>	90.00	
			<i>For Tempered Glass Or Acrylic Lens, Add</i>	60.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Security Chain, Add</i>	19.34	
			<i>For Optical Safety Chain, Add</i>	7.47	
			<i>For Ballast Safety Chain, Add</i>	12.13	
<b>26 51 23 00-0025</b>			<b>Metal Halide, High Bay Fixtures</b> <small>(26 51 23 00-0020)</small>		
			Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
26 51 23 00-0026	EA		250 Watt Metal Halide, High Bay Fixture .....	249.62	75.94
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Glass Or Acrylic Reflector, Add</i>	90.00	
			<i>For Tempered Glass Or Acrylic Lens, Add</i>	60.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Security Chain, Add</i>	19.34	
			<i>For Optical Safety Chain, Add</i>	7.47	
			<i>For Ballast Safety Chain, Add</i>	12.13	
26 51 23 00-0027	EA		400 Watt Metal Halide, High Bay Fixture .....	272.86	86.67
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Glass Or Acrylic Reflector, Add</i>	90.00	
			<i>For Tempered Glass Or Acrylic Lens, Add</i>	60.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Security Chain, Add</i>	19.34	
			<i>For Optical Safety Chain, Add</i>	7.47	
			<i>For Ballast Safety Chain, Add</i>	12.13	
26 51 23 00-0028	EA		1,000 Watt Metal Halide, High Bay Fixture .....	360.78	91.16
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Restrike, Add</i>	60.00	
			<i>For Glass Or Acrylic Reflector, Add</i>	90.00	
			<i>For Tempered Glass Or Acrylic Lens, Add</i>	60.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Security Chain, Add</i>	19.34	
			<i>For Optical Safety Chain, Add</i>	7.47	
			<i>For Ballast Safety Chain, Add</i>	12.13	
<b>26 51 23 00-0029</b>			<b>(T8) Fluorescent, High Bay Fixtures</b> <small>(26 51 23 00-0020)</small>		
<b>26 51 23 00-0030</b>			<b>(T8) Fluorescent, High Bay Fixtures (Lithonia)</b> <small>(26 51 23 00-0029)</small>		
			Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 23 00-0031	EA		2 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	291.75	68.42
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 23 00-0032	EA		3 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	305.61	75.80
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 23 00-0033	EA		4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	346.28	86.54
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 23 00-0034	EA		6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	414.55	91.16
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 23 00-0035	EA		8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	450.56	95.40
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 23 00-0036	EA		4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	389.65	86.54
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 23 00-0037	EA		6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	403.33	91.16
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0038	EA		8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	477.69	95.40
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
<b>26 51 23 00-0039</b>			<b>(T5HO) Fluorescent, High Bay Fixtures</b> <small>(26 51 23 00-0020)</small>		
<b>26 51 23 00-0040</b>			<b>(T5HO) Fluorescent, High Bay Fixtures (Lithonia)</b> <small>(26 51 23 00-0039)</small>		
			Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 23 00-0041	EA		2 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	297.06	68.42
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 23 00-0042	EA		3 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	312.01	75.80
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 23 00-0043	EA		4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	355.90	86.54
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 23 00-0044	EA		6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	431.83	91.16
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 23 00-0045	EA		4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	427.57	86.54
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 23 00-0046	EA		6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	477.09	91.16
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 23 00-0047	EA		8 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	579.78	95.40
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
<b>26 51 23 00-0048</b>			<b>Induction, High Bay Fixtures</b> <small>(26 51 23 00-0020)</small>		
<b>26 51 23 00-0049</b>			<b>Induction, High Bay Fixtures (Everlast®)</b> <small>(26 51 23 00-0048)</small>		
			Note: Includes die cast aluminum ballast casing and acrylic lens.		
26 51 23 00-0050	EA		100 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC).....	514.31	66.41
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 23 00-0051	EA		120 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC).....	557.54	68.63
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 23 00-0052	EA		150 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC).....	566.39	70.84
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 23 00-0053	EA		200 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC).....	626.11	73.05
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 23 00-0054	EA		250 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC).....	641.84	75.27
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 23 00-0055	EA		100 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC).....	562.43	66.41
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 23 00-0056	EA		120 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC).....	605.66	68.63
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 23 00-0057	EA		150 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC).....	614.50	70.84
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 23 00-0058	EA		200 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC).....	674.23	73.05
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
26 51 23 00-0059	EA		250 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC).....	689.95	75.27
			<i>For Impact Resistant Silicon Lens, Add</i>	20.00	
<b>26 51 23 00-0060</b>			<b>LED, High Bay Fixtures</b> <small>(26 51 23 00-0020)</small>		
<b>26 51 23 00-0061</b>			<b>LED High Bay Fixtures (Lithonia IBL)</b> <small>(26 51 23 00-0060)</small>		
			Note: Includes aluminum alloy chassis.		
26 51 23 00-0062	EA		9,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 9L).....	635.55	73.79
26 51 23 00-0063	EA		12,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 12L).....	704.29	73.79
26 51 23 00-0064	EA		18,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 18L).....	889.88	73.79
26 51 23 00-0065	EA		24,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 24L).....	964.12	73.79
<b>26 51 23 00-0066</b>			<b>LED High Bay Fixtures (PlanLED)</b> <small>(26 51 23 00-0060)</small>		
<b>26 51 23 00-0067</b>			<b>LED High Bay Fixtures (PlanLED LUNA)</b> <small>(26 51 23 00-0066)</small>		
			Note: Includes aluminum alloy chassis.		
26 51 23 00-0068	EA		7,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN70).....	537.76	73.79
26 51 23 00-0069	EA		9,800 Lumens, LED High Bay Fixture (PlanLED LUNA LN98).....	604.38	73.79
26 51 23 00-0070	EA		13,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN130).....	700.73	73.79
26 51 23 00-0071	EA		16,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN160).....	794.70	73.79



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 51 23 00-0072 LED High Bay Fixtures (PlanLED IBL)</b> <small>(26 51 23 00-0066)</small>		
<i>Note: Includes aluminum alloy chassis.</i>		
26 51 23 00-0073 EA 13,650 Lumens, 130 System Watts, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 130W).....	585.34	73.79
<i>For 480 Volt, Add</i>		
	32.90	
26 51 23 00-0074 EA 21,000 Lumens, 200 System Watts, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 200W).....	817.30	73.79
<i>For 480 Volt, Add</i>		
	41.57	
26 51 23 00-0075 EA 42,000 Lumens, 400 System Watts, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 400W).....	1,456.09	73.79
<i>For 480 Volt, Add</i>		
	65.70	
<b>26 51 23 00-0076 LED High Bay Fixtures (PlanLED SEGA)</b> <small>(26 51 23 00-0066)</small>		
<i>Note: Includes aluminum alloy chassis.</i>		
26 51 23 00-0077 EA 10,400 Lumens, 80 System Watts, LED High Bay Fixture (PlanLED SEGA SE080).....	460.44	73.79
<i>For 0 To 10 Volt Dimming, Add</i>		
	50.95	
26 51 23 00-0078 EA 13,000 Lumens, 100 System Watts, LED High Bay Fixture (PlanLED SEGA SE100).....	492.56	73.79
<i>For 0 To 10 Volt Dimming, Add</i>		
	50.95	
26 51 23 00-0079 EA 16,900 Lumens, 130 System Watts, LED High Bay Fixture (PlanLED SEGA SE130).....	603.19	73.79
<i>For 0 To 10 Volt Dimming, Add</i>		
	50.95	
26 51 23 00-0080 EA 20,800 Lumens, 160 System Watts, LED High Bay Fixture (PlanLED SEGA SE160).....	682.89	73.79
<i>For 0 To 10 Volt Dimming, Add</i>		
	50.95	
26 51 23 00-0081 EA 50,000 Lumens, 400 System Watts, Array, LED High Bay Fixture (PlanLED SEGA SE400) .....	1,270.52	73.79
26 51 23 00-0082 EA 57,040 Lumens, 500 System Watts, Array, LED High Bay Fixture (PlanLED SEGA SE500) .....	1,375.20	73.79
26 51 23 00-0083 EA 80,000 Lumens, 640 System Watts, Array, LED High Bay Fixture (PlanLED SEGA SE640) .....	2,093.88	73.79
<b>26 51 23 00-0084 Ceiling Mounted, Large Interior Area Fixtures</b> <small>(26 51 23 00-0001)</small>		
<i>Note: Heavy duty aluminum housing, aluminum reflector, acrylic drop dish lens, fully gasketed.</i>		
<b>26 51 23 00-0085 High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixtures</b> <small>(26 51 23 00-0084)</small>		
26 51 23 00-0086 EA 100 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture .....	230.19	50.85
<i>For Wire Guard, Add</i>		
	40.50	
<i>For Instant Quartz Restrike, Add</i>		
	60.00	
<i>For Polycarbonate Lens, Add</i>		
	47.75	
26 51 23 00-0087 EA 150 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture .....	382.38	50.85
<i>For Wire Guard, Add</i>		
	40.50	
<i>For Instant Quartz Restrike, Add</i>		
	60.00	
<i>For Polycarbonate Lens, Add</i>		
	47.75	
26 51 23 00-0088 EA 250 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture .....	439.18	50.85
<i>For Wire Guard, Add</i>		
	40.50	
<i>For Instant Quartz Restrike, Add</i>		
	60.00	
<i>For Polycarbonate Lens, Add</i>		
	47.75	
26 51 23 00-0089 EA 400 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture .....	586.87	50.85
<i>For Wire Guard, Add</i>		
	40.50	
<i>For Instant Quartz Restrike, Add</i>		
	60.00	
<i>For Polycarbonate Lens, Add</i>		
	47.75	
<b>26 51 23 00-0090 Metal Halide, Ceiling Mounted, Large Interior Area Fixtures</b> <small>(26 51 23 00-0084)</small>		
26 51 23 00-0091 EA 100 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture .....	308.43	50.85
<i>For Wire Guard, Add</i>		
	40.50	
<i>For Instant Quartz Restrike, Add</i>		
	60.00	
<i>For Polycarbonate Lens, Add</i>		
	47.75	
26 51 23 00-0092 EA 175 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture .....	328.60	56.42
<i>For Wire Guard, Add</i>		
	40.50	
<i>For Instant Quartz Restrike, Add</i>		
	60.00	
<i>For Polycarbonate Lens, Add</i>		
	47.75	
26 51 23 00-0093 EA 250 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture .....	349.97	61.12
<i>For Wire Guard, Add</i>		
	40.50	
<i>For Instant Quartz Restrike, Add</i>		
	60.00	
<i>For Polycarbonate Lens, Add</i>		
	47.75	
26 51 23 00-0094 EA 400 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture .....	378.28	72.79
<i>For Wire Guard, Add</i>		
	40.50	
<i>For Instant Quartz Restrike, Add</i>		
	60.00	
<i>For Polycarbonate Lens, Add</i>		
	47.75	
<b>26 51 23 00-0095 High Pressure Sodium, Recessed Fixture Housings</b> <small>(26 51 23)</small>		
26 51 23 00-0096 EA 4" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing .....	95.99	21.13
<i>For ICAT Housing, Add</i>		
	8.31	
26 51 23 00-0097 EA 5" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing .....	100.29	21.13
<i>For ICAT Housing, Add</i>		
	8.87	
26 51 23 00-0098 EA 6" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing .....	105.35	22.02
<i>For ICAT Housing, Add</i>		
	9.33	
26 51 23 00-0099 EA 7" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing .....	109.16	22.97
<i>For ICAT Housing, Add</i>		
	9.63	
26 51 23 00-0100 EA 8" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing .....	112.93	23.92
<i>For ICAT Housing, Add</i>		
	9.93	
26 51 23 00-0101 EA 10" To 12" Square, High Pressure Sodium, T Or ICT Recessed Fixture Housing .....	116.29	25.38
<i>For ICAT Housing, Add</i>		
	10.08	
<b>26 51 23 00-0102 Metal Halide Track Lighting Fixtures</b> <small>(26 51 23)</small>		
26 51 23 00-0103 EA Metal Halide Track Lighting Fixture .....	62.46	12.25

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 51</b>	<b>Interior Lighting</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>26 51 23 00-0104</b>	<b>Metal Halide, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures</b> <small>(26 51 23)</small>		
26 51 23 00-0105	EA 75 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	192.81	29.35
	<i>For Wall Mounted, Add</i>	6.30	
26 51 23 00-0106	EA 100 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	200.42	29.35
	<i>For Wall Mounted, Add</i>	6.30	
26 51 23 00-0107	EA 150 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	215.87	29.35
	<i>For Wall Mounted, Add</i>	6.30	
26 51 23 00-0108	EA 175 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	239.11	29.35
	<i>For Wall Mounted, Add</i>	6.30	

<b>26 51 23 00-0109</b>	<b>High Pressure Sodium, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures</b> <small>(26 51 23)</small>		
26 51 23 00-0110	EA 70 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	174.69	29.35
	<i>For Wall Mounted, Add</i>	6.67	
26 51 23 00-0111	EA 100 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	184.15	29.35
	<i>For Wall Mounted, Add</i>	6.67	
26 51 23 00-0112	EA 150 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	220.69	29.35
	<i>For Wall Mounted, Add</i>	6.67	

### 26 51 33 Interior Lighting Accessories (26 51)

<b>26 51 33 00-0001</b>	<b>Lighting Accessories</b> <small>(26 51 33)</small>		
<b>26 51 33 00-0002</b>	<b>Modular Flexible Wiring Systems</b> <small>(26 51 33 00-0001)</small>		
26 51 33 00-0003	EA 10' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-10).....	58.58	3.96
26 51 33 00-0004	EA 15' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-15).....	69.10	3.96
26 51 33 00-0005	EA 20' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-20).....	83.53	3.96
26 51 33 00-0006	EA 15' Length, 2-Circuit, Modular Lighting Cable (Day-Brite LC-27-2E-15).....	69.10	3.96
26 51 33 00-0007	EA 3 Out, 3-Circuit, Modular Lighting Interface (Day-Brite LI-27-3E).....	57.99	3.96
26 51 33 00-0008	EA 13' Length, 2-Circuit, Modular Reddy-Connect Cable (Day-Brite RC-27-2D-13).....	87.04	3.96
26 51 33 00-0009	EA 3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-7M).....	47.40	3.96
26 51 33 00-0010	EA 3" Length, 2-Circuit, Modular Lighting Tap (Day-Brite LT-27-2E).....	53.82	3.96
26 51 33 00-0011	EA 7' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-07).....	69.93	3.96
26 51 33 00-0012	EA 7' Length, 1-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-ML-07).....	69.93	3.96
26 51 33 00-0013	EA 7' Length, 2-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-2C-07).....	71.14	3.96
26 51 33 00-0014	EA 7' Length, 1st 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3A-07).....	70.70	3.96
26 51 33 00-0015	EA 7' Length, 2nd 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3B-07).....	70.70	3.96
26 51 33 00-0016	EA 15' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-15).....	81.51	3.96
26 51 33 00-0017	EA 3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-4D).....	36.53	3.96
26 51 33 00-0018	EA 3" Length, 1-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-1E).....	34.00	3.96
26 51 33 00-0019	EA 3" Length, 2-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-2E).....	34.88	3.96
26 51 33 00-0020	EA 3" Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E).....	44.24	3.96
26 51 33 00-0021	EA 15' Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E-15).....	58.58	3.96
26 51 33 00-0022	EA 15' Length, 1-Circuit, Modular Lighting Cable (Day-Brite LC-27-1E-15).....	60.11	3.96
26 51 33 00-0023	EA Modular Lighting Junction Or Circuit Splitter (Day-Brite LJ-27-3E).....	46.56	3.96
26 51 33 00-0024	EA 3" Length, 1-Circuit, Modular Power Distribution Cable (Day-Brite PD-12-1E).....	34.00	3.96
26 51 33 00-0025	EA Removal And Reinstallation Of Modular Wiring Complete Including Storage And Cleaning.....	33.01	

<b>26 51 33 00-0026</b>	<b>Additional Lighting Wire Whips</b> <small>(26 51 33)</small>		
26 51 33 00-0027	LF For Each Additional LF Of Interior Lighting Wire Whip, Add.....	1.03	
	Note: Wire whips are included with interior lighting fixtures, where necessary, up to six feet in length. Use this task for additional required whip length. For example, if the fixture requires a 15' wire whip then use 9 LF of this task to reach required length.		

### 26 52 Safety Lighting (26 50)

#### 26 52 13 Emergency and Exit Lighting (26 52)

##### 26 52 13 13 Emergency Lighting (26 52 13)

<b>26 52 13 13-0001</b>	<b>Commercial Emergency Lights</b> <small>(26 52 13 13)</small>		
<b>26 52 13 13-0002</b>	<b>Polycarbonate Housing, Commercial Emergency Lights</b> <small>(26 52 13 13-0001)</small>		
	Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 13 13-0003	EA 3 Max Wattage At 90 Minutes, 3.6 Volt, Polycarbonate Housing, LED Lamps, Commercial Emergency Light (Lithonia ELM2 LED).....	140.73	18.35
26 52 13 13-0004	EA 10.8 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM2).....	97.01	18.35
	<i>For Halogen Lamps, Add</i>	27.55	
	<i>For Self-Diagnostics, Add</i>	87.50	
26 52 13 13-0005	EA 18 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM618).....	154.23	18.35
	<i>For Halogen Lamps, Add</i>	27.55	
	<i>For Self-Diagnostics, Add</i>	87.50	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Safety Lighting</b>	<b>26 52</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0006	EA		27 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM627) .....	180.14	18.35
			<i>For Halogen Lamps, Add</i>	27.55	
			<i>For Self-Diagnostics, Add</i>	87.50	
26 52 13 13-0007	EA		54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM654) .....	269.17	18.35
			<i>For Halogen Lamps, Add</i>	27.55	
			<i>For Self-Diagnostics, Add</i>	87.50	
26 52 13 13-0008	EA		54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1254) .....	305.31	18.35
			<i>For Halogen Lamps, Add</i>	27.55	
			<i>For Self-Diagnostics, Add</i>	87.50	
26 52 13 13-0009	EA		72 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1272) .....	446.12	18.35
			<i>For Halogen Lamps, Add</i>	27.55	
			<i>For Self-Diagnostics, Add</i>	87.50	
<b>26 52 13 13-0010</b>			<b>Remote Heads For Commercial Emergency Lights</b> <small>(26 52 13 13-0001)</small>		
			Note: For use with fixtures that have remote capability.		
26 52 13 13-0011	EA		6 Watt, 6 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H0606).....	95.32	11.01
26 52 13 13-0012	EA		6 Watt, 6 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0606).....	95.97	11.01
26 52 13 13-0013	EA		8 Watt, 8 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0806).....	98.16	11.01
26 52 13 13-0014	EA		12 Watt, 12 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H1212).....	97.81	11.01
26 52 13 13-0015	EA		12 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H1212).....	84.39	11.01
26 52 13 13-0016	EA		12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	57.74	11.01
<b>26 52 13 13-0017</b>			<b>Industrial Emergency Lights</b> <small>(26 52 13 13)</small>		
<b>26 52 13 13-0018</b>			<b>Painted Steel Housing, Industrial Emergency Lights</b> <small>(26 52 13 13-0017)</small>		
<b>26 52 13 13-0019</b>			<b>Painted Steel Housing, Industrial Emergency Lights</b> <small>(26 52 13 13-0018)</small>		
			Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 13 13-0020	EA		16 Max Wattage At 90 Minutes, 6 Volt, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT16) .....	249.51	18.35
			<i>For Wireguard, Add</i>	128.05	
26 52 13 13-0021	EA		24 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT24) .....	209.07	18.35
			<i>For Wireguard, Add</i>	128.05	
26 52 13 13-0022	EA		36 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT36) .....	327.25	18.35
			<i>For Wireguard, Add</i>	128.05	
26 52 13 13-0023	EA		50 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT50).....	347.64	18.35
			<i>For Wireguard, Add</i>	128.05	
26 52 13 13-0024	EA		125 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT125).....	497.21	18.35
			<i>For Wireguard, Add</i>	136.38	
26 52 13 13-0025	EA		275 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT275).....	783.33	18.35
			<i>For Wireguard, Add</i>	136.38	
<b>26 52 13 13-0026</b>			<b>Remote Heads For Painted Steel Housing, Industrial Emergency Lights</b> <small>(26 52 13 13-0019)</small>		
			Note: For use with fixtures that have remote capability.		
26 52 13 13-0027	EA		8 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N0806).....	73.10	11.01
			<i>For Wireguard, Add</i>	103.34	
26 52 13 13-0028	EA		12 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	75.64	11.01
			<i>For Wireguard, Add</i>	103.34	
26 52 13 13-0029	EA		8 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H0812) .....	73.45	11.01
			<i>For Wireguard, Add</i>	103.34	
26 52 13 13-0030	EA		12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1212).....	73.87	11.01
			<i>For Wireguard, Add</i>	103.34	
26 52 13 13-0031	EA		12 Watt, 25 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N2512).....	75.64	11.01
			<i>For Wireguard, Add</i>	103.34	
26 52 13 13-0032	EA		12 Watt, 25 Volt, Aluminum Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA MT N2512).....	88.53	11.01
			<i>For Wireguard, Add</i>	103.34	
<b>26 52 13 13-0033</b>			<b>Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights</b> <small>(26 52 13 13-0017)</small>		
<b>26 52 13 13-0034</b>			<b>Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights</b> <small>(26 52 13 13-0033)</small>		
			Note: Includes lead-calcium batteries and two adjustable lamp heads.		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0035 EA 18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND618) .....	246.26	18.35
For Wireguard, Add	124.50	
For Self-Diagnostics, Add	105.50	
26 52 13 13-0036 EA 36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1236).....	267.84	18.35
For Wireguard, Add	124.50	
For Self-Diagnostics, Add	105.50	
26 52 13 13-0037 EA 54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND654).....	261.92	18.35
For Wireguard, Add	124.50	
For Self-Diagnostics, Add	105.50	
26 52 13 13-0038 EA 54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1254).....	277.00	18.35
For Wireguard, Add	124.50	
For Self-Diagnostics, Add	105.50	
26 52 13 13-0039 EA 100 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND12100).....	467.94	18.35
For Wireguard, Add	124.50	
For Self-Diagnostics, Add	105.50	
26 52 13 13-0040 EA 18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX618) .....	367.15	18.35
For Wireguard, Add	124.50	
For Self-Diagnostics, Add	61.50	
26 52 13 13-0041 EA 36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1236).....	411.49	18.35
For Wireguard, Add	124.50	
For Self-Diagnostics, Add	61.50	
26 52 13 13-0042 EA 54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1254).....	433.95	18.35
For Wireguard, Add	124.50	
For Self-Diagnostics, Add	61.50	
<b>26 52 13 13-0043 Remote Heads For Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights</b> <small>(26 52 13 13-0033)</small>		
Note: For use with fixtures that have remote capability.		
26 52 13 13-0044 EA 9 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0906) .....	63.34	11.01
26 52 13 13-0045 EA 12 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1206).....	68.49	11.01
26 52 13 13-0046 EA 9 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0912) .....	63.40	11.01
26 52 13 13-0047 EA 12 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1212).....	67.18	11.01
26 52 13 13-0048 EA 12 Watt, 20 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H2012).....	57.47	11.01
<b>26 52 13 13-0049 Outdoor Emergency Lights</b> <small>(26 52 13 13)</small>		
<b>26 52 13 13-0050 Gasketed Die-Cast Aluminum Housing, Outdoor Emergency Lights</b> <small>(26 52 13 13-0049)</small>		
Note: Includes nickel-cadmium batteries.		
26 52 13 13-0051 EA 10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light (Dual-Lite PG Series).....	388.73	18.35
26 52 13 13-0052 EA 10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light With Heater (Dual-Lite PG Series).....	464.10	18.35
<b>26 52 13 13-0053 Recessed Emergency Lights</b> <small>(26 52 13 13)</small>		
26 52 13 13-0054 EA 10 Watts At 90 Minutes, 6 Volt, Halogen Lamp, 8" Round, Recessed High-Hat Emergency Light (Lithonia ELRG) .....	423.74	18.35
For Wire Guard, Add	60.00	
26 52 13 13-0055 EA 16 Watts At 90 Minutes, 6 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR2).....	333.62	36.69
Note: Includes lead-calcium batteries and two adjustable lamp heads.		
For Wireguard, Add	136.38	
26 52 13 13-0056 EA 50 Watts At 90 Minutes, 12 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR4).....	479.71	36.69
Note: Includes lead-calcium batteries and two adjustable lamp heads.		
For Wireguard, Add	136.38	
<b>26 52 13 13-0057 Square Wraparound Emergency Lights</b> <small>(26 52 13 13)</small>		
26 52 13 13-0058 EA 10 Watts At 90 Minutes, 6 Volt, Halogen Lamp, 10-5/16" x 10-5/16" Lexan Frame, Square Wraparound Emergency Light (Lithonia ELSQ) .....	193.34	18.35
<b>26 52 13 16 Exit Signs</b> <small>(26 52 13)</small>		
Note: Excludes pendants.		
<b>26 52 13 16-0001 LED Exit Signs</b> <small>(26 52 13 16)</small>		
Note: Includes red LED lamps.		
26 52 13 16-0002 EA Single Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM).....	113.50	26.82
For Green LED Lamps, Add	15.00	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Safety Lighting</b>	<b>26 52</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0003 EA Double Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM) ..... <i>For Green LED Lamps, Add</i>	113.50 15.00	26.82
26 52 13 16-0004 EA Single Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN) ..... <i>For Green LED Lamps, Add</i> <i>For Self-Diagnostics, Add</i>	158.27 15.00 50.00	26.82
26 52 13 16-0005 EA Double Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN) ..... <i>For Green LED Lamps, Add</i> <i>For Self-Diagnostics, Add</i>	158.27 15.00 50.00	26.82
26 52 13 16-0006 EA Single Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC)..... <i>For Green LED Lamps, Add</i>	174.27 15.00	26.82
26 52 13 16-0007 EA Double Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC) ..... <i>For Green LED Lamps, Add</i>	197.61 15.00	26.82
26 52 13 16-0008 EA Single Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC ELN)..... <i>For Green LED Lamps, Add</i> <i>For Self-Diagnostics, Add</i>	164.52 15.00 50.00	26.82
26 52 13 16-0009 EA Double Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC ELN) ..... <i>For Green LED Lamps, Add</i> <i>For Self-Diagnostics, Add</i>	181.46 15.00 50.00	26.82
26 52 13 16-0010 EA Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM) ..... Note: Includes two circular side mounted krypton emergency lights. <i>For Green LED Lamps, Add</i>	209.36 15.00	26.82
26 52 13 16-0011 EA Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM LED) ..... Note: Includes two circular side mounted LED emergency lights. <i>For Green LED Lamps, Add</i>	334.06 15.00	26.82
26 52 13 16-0012 EA Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam) ..... Note: Includes two rectangular front mounted high intensity tungsten emergency lights. <i>For Green LED Lamps, Add</i>	262.35 15.00	26.82
26 52 13 16-0013 EA Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam) ..... Note: Includes two circular side mounted PAR 36 emergency lights. <i>For Green LED Lamps, Add</i>	274.65 15.00	26.82
26 52 13 16-0014 EA Double Face, Damp Location, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LE) ..... Note: Includes fire alarm flashing interface. <i>For Green LED Lamps, Add</i> <i>For Self-Diagnostics, Add</i>	382.21 15.00 50.00	26.82
26 52 13 16-0015 EA Single Face, NEMA 4X All-Conditions/Vandal Resistant, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LV) ..... Note: Includes fire alarm flashing interface. <i>For Green LED Lamps, Add</i> <i>For Self-Diagnostics, Add</i>	447.58 15.00 50.00	26.82
26 52 13 16-0016 EA Single Or Double Face, Polycarbonate Housing, LED Emergency Exit Sign (Eaton Lighting APX6R).....	75.44	26.82
26 52 13 16-0017 EA 120-277 Volt, LED Emergency Exit Sign With Nickel Cadmium Battery, Red (Cooper Industries APX7R) .....	75.72	26.86
<b>26 52 13 16-0018 Edge-Lit LED Exit Signs</b> <small>(26 52 13 16)</small> Note: Includes red LED lamps.		
26 52 13 16-0019 EA Single Face, Edge-Lit LED Exit Sign ..... <i>For Green LED Lamps, Add</i>	242.71 40.00	26.82
26 52 13 16-0020 EA Double Face, Edge-Lit LED Exit Sign ..... <i>For Green LED Lamps, Add</i>	260.50 40.00	26.82
26 52 13 16-0021 EA Single Face, Edge-Lit LED Exit Sign With Battery Back-Up ..... <i>For Green LED Lamps, Add</i> <i>For Self-Diagnostics, Add</i>	297.63 40.00 50.00	26.82
26 52 13 16-0022 EA Double Face, Edge-Lit LED Exit Sign With Battery Back-Up ..... <i>For Green LED Lamps, Add</i> <i>For Self-Diagnostics, Add</i>	310.73 40.00 50.00	26.82
<b>26 52 13 16-0023 Self-Luminous Tritium Exit Signs</b> <small>(26 52 13 16)</small> Note: Includes red or green tritium filled pyrex glass light tubes with phosphor coating.		
26 52 13 16-0024 EA 10 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign.....	330.31	26.82
26 52 13 16-0025 EA 10 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign.....	606.67	26.82
26 52 13 16-0026 EA 20 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign.....	393.26	26.82
26 52 13 16-0027 EA 20 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign.....	657.22	26.82
26 52 13 16-0028 EA 10 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign.....	361.64	26.82
26 52 13 16-0029 EA 10 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign.....	657.22	26.82
26 52 13 16-0030 EA 20 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign.....	443.51	26.82
26 52 13 16-0031 EA 20 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign.....	815.65	26.82
<b>26 52 13 16-0032 Vandal-Resistant LED Exit Signs</b> <small>(26 52 13 16)</small> Note: Includes red LED lamps.		
26 52 13 16-0033 EA Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign.....	311.68	26.82
26 52 13 16-0034 EA Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup .....	482.83	26.82
26 52 13 16-0035 EA Single Face, Aluminum Housing, NEMA 4X, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup.....	587.76	26.82
<b>26 52 13 16-0036 Remove And Reinstall Exit Light Fixture</b> <small>(26 52 13 16)</small>		
26 52 13 16-0037 EA Removal And Reinstall Of Exit Light Fixtures .....	55.03	
Note: Includes storage and cleaning.		

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 52</b>	<b>Safety Lighting</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>26 52 13 16-0038</b>	<b>Exit Sign Accessories</b> <small>(26 52 13 16)</small>		
26 52 13 16-0039	EA Polycarbonate Vandal Shield For Exit Signs.....	73.80	7.35
26 52 13 16-0040	EA Wire Guard For Exit Signs Or Emergency Lights.....	43.25	7.35
26 52 13 16-0041	EA Wire Guard For Combination Exit Sign And Emergency Light.....	68.86	5.89
26 52 13 16-0042	EA Replacement Battery For Exit Signs.....	73.88	9.19

## 26 54 Classified Location Lighting (26 50)

### 26 54 13 Incandescent Classified Location Lighting (26 54)

<b>26 54 13 00-0001</b>	<b>Class II Division I, Explosion Proof Fixtures</b> <small>(26 54 13)</small>		
26 54 13 00-0002	EA 200 Watt Incandescent, Pendant Mounted, Class II Division I, Explosion Proof Fixture Without Reflector And Guard.....	313.59	95.73
26 54 13 00-0003	EA 200 Watt Incandescent, Ceiling Mounted, Class II Division I, Explosion Proof Fixture Without Reflector And Guard.....	321.09	95.73
26 54 13 00-0004	EA 200 Watt Incandescent, Bracket Mounted, Class II Division I, Explosion Proof Fixture Without Reflector And Guard.....	394.03	95.73
26 54 13 00-0005	EA 200 Watt Incandescent, Pendant Mounted, Class II Division I, Explosion Proof Fixture With Standard Dome Reflector.....	369.16	95.73
26 54 13 00-0006	EA 200 Watt Incandescent, Ceiling Mounted, Class II Division I, Explosion Proof Fixture With Standard Dome Reflector.....	380.32	95.73
26 54 13 00-0007	EA 200 Watt Incandescent, Bracket Mounted, Class II Division I, Explosion Proof Fixture With Standard Dome Reflector.....	460.74	95.73

### 26 54 13 00-0008 Class I, Division I, Hazardous Location Fixtures (26 54 13)

<b>26 54 13 00-0009</b>	<b>Class I Division I Fixtures Accessories</b> <small>(26 54 13 00-0008)</small>		
26 54 13 00-0010	EA Appleton AALB-75, Long Mounting Hood.....	209.37	10.20
26 54 13 00-0011	EA Appleton AAC-75, Ceiling Mounting Hood.....	147.94	10.20
26 54 13 00-0012	EA Appleton AAP-75, Pendant Mounting Hood.....	66.42	10.20
26 54 13 00-0013	EA Appleton AAGU-1, Aluminum Lens Guard.....	41.54	4.09
26 54 13 00-0014	EA Flexible Hanger Coupling, Appleton #EXJF28.....	257.19	10.20
26 54 13 00-0015	EA Conduit Outlet Box, Appleton #GRUE75-A.....	76.70	10.20
26 54 13 00-0016	EA Rigid Fixture Hanger, Appleton #CPU20-75.....	116.16	10.20
26 54 13 00-0017	EA 150 Watt High Intensity Discharge (HID) Fixture, Appleton KPBU150L-MT.....	551.30	85.93
26 54 13 00-0018	EA Appleton KPA-75, Pendant Mounting Hood.....	47.14	10.20
26 54 13 00-0019	EA Appleton KPC-75, Ceiling Mounting Hood.....	46.92	10.20

### 26 54 13 00-0020 Exit And Emergency Fixtures, Battery Powered, Class I Division I (26 54 13 00-0008)

Note: Includes fixtures, batteries, directional heads and accessories.

26 54 13 00-0021	EA Halogen /HIT 12 Volt/25 Watt Pendant Mount Fixture For Use With Battery Unit (Remote Or Local), Class I Division I (Emergi-Lite EFEP).....	1,064.64	62.79
	<i>For Ceiling Mounted, Deduct</i>	-18.89	
	<i>For Wall Mounted, Deduct</i>	-50.42	
	<i>For Globe Guard, Add</i>	56.72	
	<i>For Dome Reflector, Add</i>	119.75	
	<i>For Dome Angle Reflector, Add</i>	119.75	
26 54 13 00-0022	EA Incandescent/Halogen/HIT 12 Volt/25 Watt Pendant Mount Exit Light Fixture For Use With Battery Unit (Remote Or Local), Single Face, Class I Division I (Emergi-Lite EFXP).....	1,302.40	62.79
	<i>For Ceiling Mounted, Deduct</i>	-18.89	
	<i>For Wall Mounted, Deduct</i>	-50.42	
26 54 13 00-0023	EA 12 Volt / 36 Watt Hazardous Area Emergency Unit, Including Nickel Cadmium Battery/Transformer/Charger/Vent/Drain, Class I Division I (Emergi-Lite EXC).....	3,036.09	62.79
26 54 13 00-0024	EA 12 Volt / 50 Watt Hazardous Area Emergency Unit, Including Nickel Cadmium Battery/Transformer/Charger/Vent/Drain, Class I Division I (Emergi-Lite EXC).....	3,039.77	64.99
26 54 13 00-0025	EA 12 Volt / 72 Watt Hazardous Area Emergency Unit, Including Nickel Cadmium Battery/Transformer/Charger/Vent/Drain, Class I Division I (Emergi-Lite EXC).....	3,043.44	67.27

### 26 54 13 00-0026 Pendant Mounted Codemaster Jr (26 54 13 00-0008)

Note: With globe glass, Class I, Division I.

26 54 13 00-0027	EA 50 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster Jr.).....	866.45	63.72
	<i>For Ceiling Mounted, Add</i>	26.97	
	<i>For Wall Mounted, Add</i>	57.60	
	<i>For Stanchion Mounted, Add</i>	45.36	
26 54 13 00-0028	EA 70 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster Jr.).....	884.90	65.41
	<i>For Ceiling Mounted, Add</i>	26.97	
	<i>For Wall Mounted, Add</i>	57.60	
	<i>For Stanchion Mounted, Add</i>	45.36	
26 54 13 00-0029	EA 100 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster Jr.).....	904.75	69.76
	<i>For Ceiling Mounted, Add</i>	26.97	
	<i>For Wall Mounted, Add</i>	57.60	
	<i>For Stanchion Mounted, Add</i>	45.36	



<b>Electrical</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>
<b>Classified Location Lighting</b>	<b>26 54</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 13 00-0030 EA 150 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster Jr.).....	927.22	74.13
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0031 EA 50 Watt Metal Halide Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster Jr.).....	750.85	63.72
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0032 EA 70 Watt Metal Halide Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster Jr.).....	760.10	65.41
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0033 EA 100 Watt Metal Halide Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster Jr.).....	832.49	69.76
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0034 EA 175 Watt Pulse Start Metal Halide (PSMH) Reactor, Pendant Mount With Globe Glass, Class I, Division I (Appleton Codemaster Jr.).....	933.93	78.49
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
<b>26 54 13 00-0035 Accessories For Pendant Mounted Codemaster Jr (26 54 13 00-0008)</b>		
Note: Class I, Division I.		
26 54 13 00-0036 EA Globe Guard For Up To 175 Watt, Code Master Jr. ....	31.53	
26 54 13 00-0037 EA Globe Reflector, Code Master Jr. ....	53.86	
26 54 13 00-0038 EA Angle Globe Reflector, Code Master Jr. ....	51.23	
<b>26 54 13 00-0039 Pendant Mounted Codemaster 2 (26 54 13 00-0008)</b>		
Note: With globe glass, Class I, Division I.		
26 54 13 00-0040 EA 50 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster2).....	986.00	63.72
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0041 EA 70 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster2).....	1,008.39	65.41
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0042 EA 100 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster2).....	1,049.25	69.76
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0043 EA 150 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster2).....	1,087.49	74.13
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0044 EA 250 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster2).....	1,212.72	87.21
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0045 EA 400 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster2).....	1,404.80	95.93
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0046 EA 175 Watt Pulse Start Metal Halide (PSMH) Reactor, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton CodeMaster2).....	1,094.20	78.49
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0047 EA 250 Watt Pulse Start Metal Halide (PSMH) Reactor, Pendant Mount, With Globe Glass, Class I, Division I (Appleton CodeMaster2).....	1,212.72	87.21
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0048 EA 400 Watt Pulse Start Metal Halide (PSMH) Reactor, Pendant Mount, With Globe Glass, Class I, Division I (Appleton CodeMaster2).....	1,404.80	95.93
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
<b>26 54 13 00-0049 Accessories For Pendant Mounted Codemaster 2 (26 54 13 00-0008)</b>		
Note: Class I, Division I.		
26 54 13 00-0050 EA Globe Guard For Up To 175 Watt, Code Master 2.....	31.53	
26 54 13 00-0051 EA Globe Guard For 250 To 400 Watt, Code Master 2.....	48.61	
26 54 13 00-0052 EA Globe Reflector, Code Master 2.....	72.25	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54	13 00-0053	EA	Angle Globe Reflector, Code Master 2 .....	72.25	
<b>26 54</b>	<b>13 00-0054</b>		<b>Pendant Mounted Crouse-Hinds, EVM Series</b> <small>(26 54 13 00-0008)</small>		
			Note: With globe glass, Class I, Division I.		
26 54	13 00-0055	EA	50 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM).....	601.98	63.72
			<i>For Ceiling Mounted, Add</i> .....	26.97	
			<i>For Wall Mounted, Add</i> .....	57.60	
			<i>For Stanchion Mounted, Add</i> .....	45.36	
26 54	13 00-0056	EA	70 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM).....	613.29	65.41
			<i>For Ceiling Mounted, Add</i> .....	26.97	
			<i>For Wall Mounted, Add</i> .....	57.60	
			<i>For Stanchion Mounted, Add</i> .....	45.36	
26 54	13 00-0057	EA	100 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM).....	635.41	69.76
			<i>For Ceiling Mounted, Add</i> .....	26.97	
			<i>For Wall Mounted, Add</i> .....	57.60	
			<i>For Stanchion Mounted, Add</i> .....	45.36	
26 54	13 00-0058	EA	150 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM).....	666.14	74.13
			<i>For Ceiling Mounted, Add</i> .....	26.97	
			<i>For Wall Mounted, Add</i> .....	57.60	
			<i>For Stanchion Mounted, Add</i> .....	45.36	
26 54	13 00-0059	EA	200 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM).....	704.40	82.85
			<i>For Ceiling Mounted, Add</i> .....	26.97	
			<i>For Wall Mounted, Add</i> .....	57.60	
			<i>For Stanchion Mounted, Add</i> .....	45.36	
26 54	13 00-0060	EA	250 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM).....	744.80	87.21
			<i>For Ceiling Mounted, Add</i> .....	26.97	
			<i>For Wall Mounted, Add</i> .....	57.60	
			<i>For Stanchion Mounted, Add</i> .....	45.36	
26 54	13 00-0061	EA	400 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM).....	853.12	95.93
			<i>For Ceiling Mounted, Add</i> .....	26.97	
			<i>For Wall Mounted, Add</i> .....	57.60	
			<i>For Stanchion Mounted, Add</i> .....	45.36	
26 54	13 00-0062	EA	70 Watt Metal Halide Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM) .....	556.12	65.41
			<i>For Ceiling Mounted, Add</i> .....	26.97	
			<i>For Wall Mounted, Add</i> .....	57.60	
			<i>For Stanchion Mounted, Add</i> .....	45.36	
26 54	13 00-0063	EA	100 Watt Metal Halide Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM) .....	576.99	69.76
			<i>For Ceiling Mounted, Add</i> .....	26.97	
			<i>For Wall Mounted, Add</i> .....	57.60	
			<i>For Stanchion Mounted, Add</i> .....	45.36	
26 54	13 00-0064	EA	175 Watt Metal Halide Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM) .....	592.76	78.49
			<i>For Ceiling Mounted, Add</i> .....	26.97	
			<i>For Wall Mounted, Add</i> .....	57.60	
			<i>For Stanchion Mounted, Add</i> .....	45.36	
26 54	13 00-0065	EA	250 Watt Metal Halide Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM) .....	735.59	87.21
			<i>For Ceiling Mounted, Add</i> .....	26.97	
			<i>For Wall Mounted, Add</i> .....	57.60	
			<i>For Stanchion Mounted, Add</i> .....	45.36	
26 54	13 00-0066	EA	400 Watt Metal Halide Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM) .....	785.35	95.93
			<i>For Ceiling Mounted, Add</i> .....	26.97	
			<i>For Wall Mounted, Add</i> .....	57.60	
			<i>For Stanchion Mounted, Add</i> .....	45.36	
<b>26 54</b>	<b>13 00-0067</b>		<b>Accessories For Pendant Mounted Crouse-Hinds, EVM Series</b> <small>(26 54 13 00-0008)</small>		
			Note: Class I, Division I.		
26 54	13 00-0068	EA	Globe Guard For Up To 175 Watt Crouse-Hinds - EVM .....	18.42	
26 54	13 00-0069	EA	Globe Guard For 250 To 400 Watt Crouse-Hinds - EVM.....	28.93	
26 54	13 00-0070	EA	Dome Reflector, Crouse-Hinds - EVM .....	43.19	
26 54	13 00-0071	EA	Angle Reflector, Crouse-Hinds - EVM.....	43.19	
<b>26 54</b>	<b>13 00-0072</b>		<b>Pendant Mounted Crouse-Hinds, EVLP Series</b> <small>(26 54 13 00-0008)</small>		
			Note: With globe glass, Class I, Division I.		
26 54	13 00-0073	EA	50 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP) .....	583.69	63.72
			<i>For Ceiling Mounted, Add</i> .....	26.97	
			<i>For Wall Mounted, Add</i> .....	57.60	
			<i>For Stanchion Mounted, Add</i> .....	45.36	
26 54	13 00-0074	EA	70 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP) .....	847.89	65.41
			<i>For Ceiling Mounted, Add</i> .....	26.97	
			<i>For Wall Mounted, Add</i> .....	57.60	
			<i>For Stanchion Mounted, Add</i> .....	45.36	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Classified Location Lighting</b>	<b>26 54</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 13 00-0075	EA		100 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP).....	979.46	69.76
			For Ceiling Mounted, Add	26.97	
			For Wall Mounted, Add	57.60	
			For Stanchion Mounted, Add	45.36	
26 54 13 00-0076	EA		150 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP).....	635.22	74.13
			For Ceiling Mounted, Add	26.97	
			For Wall Mounted, Add	57.60	
			For Stanchion Mounted, Add	45.36	
26 54 13 00-0077	EA		200 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I, Division I, Crouse-Hinds EVLP.....	798.84	82.85
			For Ceiling Mounted, Add	26.97	
			For Wall Mounted, Add	57.60	
			For Stanchion Mounted, Add	45.36	
26 54 13 00-0078	EA		250 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP).....	845.56	87.21
			For Ceiling Mounted, Add	26.97	
			For Wall Mounted, Add	57.60	
			For Stanchion Mounted, Add	45.36	
26 54 13 00-0079	EA		400 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP).....	967.77	95.93
			For Ceiling Mounted, Add	26.97	
			For Wall Mounted, Add	57.60	
			For Stanchion Mounted, Add	45.36	
26 54 13 00-0080	EA		70 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP).....	543.48	65.41
			For Ceiling Mounted, Add	26.97	
			For Wall Mounted, Add	57.60	
			For Stanchion Mounted, Add	45.36	
26 54 13 00-0081	EA		100 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP).....	587.33	69.76
			For Ceiling Mounted, Add	26.97	
			For Wall Mounted, Add	57.60	
			For Stanchion Mounted, Add	45.36	
26 54 13 00-0082	EA		175 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP).....	606.29	78.49
			For Ceiling Mounted, Add	26.97	
			For Wall Mounted, Add	57.60	
			For Stanchion Mounted, Add	45.36	
26 54 13 00-0083	EA		100 Watt Pulse Start Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP).....	621.21	69.76
			For Ceiling Mounted, Add	26.97	
			For Wall Mounted, Add	57.60	
			For Stanchion Mounted, Add	45.36	
26 54 13 00-0084	EA		175 Watt Pulse Start Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP).....	640.57	78.49
			For Ceiling Mounted, Add	26.97	
			For Wall Mounted, Add	57.60	
			For Stanchion Mounted, Add	45.36	
26 54 13 00-0085	EA		250 Watt Pulse Start Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP).....	952.90	87.21
			For Ceiling Mounted, Add	26.97	
			For Wall Mounted, Add	57.60	
			For Stanchion Mounted, Add	45.36	
26 54 13 00-0086	EA		400 Watt Pulse Start Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP).....	952.55	95.93
			For Ceiling Mounted, Add	26.97	
			For Wall Mounted, Add	57.60	
			For Stanchion Mounted, Add	45.36	
<b>26 54 13 00-0087</b>			<b>Accessories For Pendant Mounted Crouse-Hinds, EVLP Series (26 54 13 00-0086)</b>		
			Note: Class I, Division I.		
26 54 13 00-0088	EA		Globe Guard For Up To 175 Watt Crouse-Hinds - EVLP.....	18.42	
26 54 13 00-0089	EA		Globe Guard For 250 To 400 Watt Crouse-Hinds - EVLP.....	28.93	
26 54 13 00-0090	EA		Dome Reflector, Crouse-Hinds - EVLP.....	43.19	
26 54 13 00-0091	EA		Angle Reflector, Crouse-Hinds - EVLP.....	43.19	
<b>26 54 13 00-0092</b>			<b>Class I, Division II, Hazardous Location Fixtures (26 54 13)</b>		
<b>26 54 13 00-0093</b>			<b>Pendant Mount Mercmaster III (26 54 13 00-0092)</b>		
			Note: With globe, Class I Division II.		
26 54 13 00-0094	EA		50 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III).....	400.70	63.72
			For Ceiling Mounted, Add	26.97	
			For Wall Mounted, Add	57.60	
			For Stanchion Mounted, Add	45.36	
26 54 13 00-0095	EA		70 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III).....	439.54	65.41
			For Ceiling Mounted, Add	26.97	
			For Wall Mounted, Add	57.60	
			For Stanchion Mounted, Add	45.36	
26 54 13 00-0096	EA		100 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III).....	463.19	69.76
			For Ceiling Mounted, Add	26.97	
			For Wall Mounted, Add	57.60	
			For Stanchion Mounted, Add	45.36	

**26 Electrical**  
**26 50 Lighting**  
**26 54 Classified Location Lighting**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 13 00-0097 EA 150 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III).....	475.80	74.13
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0098 EA 250 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III).....	603.48	87.21
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0099 EA 400 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III).....	697.79	95.93
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0100 EA 100 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III).....	394.54	69.76
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0101 EA 175 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III).....	410.33	78.49
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0102 EA 250 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III).....	585.80	87.21
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0103 EA 400 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III).....	679.04	95.93
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0104 EA 175 Watt Pulse Start Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III).....	550.02	78.49
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0105 EA 250 Watt Pulse Start Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III).....	689.99	87.21
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0106 EA 400 Watt Pulse Start Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III).....	799.43	95.93
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
<b>26 54 13 00-0107 Pendant Mount Mercmaster III Low Profile (26 54 13 00-0092)</b>		
Note: With globe, Class I Division II.		
26 54 13 00-0108 EA 35 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III Low Profile).....	275.69	61.05
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0109 EA 50 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III Low Profile).....	284.59	63.72
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0110 EA 70 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III Low Profile).....	308.58	65.41
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0111 EA 100 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III Low Profile).....	326.62	69.76
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0112 EA 150 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III Low Profile).....	354.76	74.13
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0113 EA 50 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III Low Profile).....	289.82	63.72
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0114 EA 70 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III Low Profile).....	304.65	65.41
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	



<b>Electrical</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>
<b>Classified Location Lighting</b>	<b>26 54</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 13 00-0115 EA 100 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III Low Profile).....	330.17	69.76
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0116 EA 175 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III Low Profile).....	410.26	78.49
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
<b>26 54 13 00-0117 Accessories For Mercmaster III And Mercmaster III Low Profile (26 54 13 00-0092)</b>		
26 54 13 00-0118 EA Cone-Type Pendent, Mercmaster III And Mercmaster III Low Profile .....	35.52	
26 54 13 00-0119 EA Globe Guard For Mercmaster III And Mercmaster III Low Profile .....	17.76	
Note: 50 to 250 Watt.		
26 54 13 00-0120 EA Globe Guard For Mercmaster III And Mercmaster III Low Profile .....	75.44	
Note: 400 Watt.		
26 54 13 00-0121 EA Dome Reflector For Mercmaster III And Mercmaster III Low Profile .....	26.58	
Note: 50 to 250 Watt.		
26 54 13 00-0122 EA Dome Reflector For Mercmaster III And Mercmaster III Low Profile .....	43.19	
Note: 400 Watt.		
26 54 13 00-0123 EA Angle Reflector For Mercmaster III And Mercmaster III Low Profile For 50 To 250 Watt .....	29.97	
26 54 13 00-0124 EA Angle Reflector For Mercmaster III And Mercmaster III Low Profile For 400 Watt.....	43.19	
26 54 13 00-0125 EA Refractor Guard, Mercmaster .....	25.66	
26 54 13 00-0126 EA Dome And Angle Refractor, Mercmaster .....	43.19	
26 54 13 00-0127 EA Refractor Glass Mercmaster Up To 100 Watt.....	58.01	
26 54 13 00-0128 EA Refractor Glass Mercmaster 175 Watt.....	58.08	
26 54 13 00-0129 EA Refractor Glass Up To 250 Watt Metal Halide, Mercmaster.....	58.01	
26 54 13 00-0130 EA Refractor Glass For 250 To 400 Watt HPS And 400 Watt Metal Halide .....	29.85	
Note: Mercmaster.		
26 54 13 00-0131 EA Refractor Guard Up To 250 Watt Metal Halide, Mercmaster .....	25.66	
26 54 13 00-0132 EA Refractor Guard For 250 To 400 Watt HPS And 400 Watt Metal Halide .....	32.88	
Note: Mercmaster.		
26 54 13 00-0133 EA Reflector / Refractor For Mercmaster III .....	43.19	
26 54 13 00-0134 EA Appleton KPWB-75, Wall Mount.....	79.54	10.20
26 54 13 00-0135 EA Appleton KGU2, Aluminum Lens Guard .....	31.39	4.09
<b>26 54 13 00-0136 Pendant Mount Crouse-Hinds EV Series (26 54 13 00-0092)</b>		
Note: With globe, Class I Division II.		
26 54 13 00-0137 EA 100 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds EV) .....	706.65	69.76
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0138 EA 150 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds EV) .....	738.96	74.13
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0139 EA 250 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds EV) .....	851.05	87.21
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0140 EA 70 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds EV) .....	632.66	65.41
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0141 EA 100 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds EV) .....	682.59	69.76
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0142 EA 175 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds EV) .....	706.27	78.49
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0143 EA 250 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds EV) .....	772.99	87.21
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0144 EA 400 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds EV) .....	869.31	95.93
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
<b>26 54 13 00-0145 Pendant Mount VMV Champ Series (26 54 13 00-0092)</b>		
Note: With globe, Class I Division II.		
26 54 13 00-0146 EA 50 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV) .....	417.76	63.72
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	



<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 54</b>	<b>Classified Location Lighting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 13 00-0147 EA 70 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV).....	413.89	65.41
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0148 EA 100 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV).....	427.59	69.76
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0149 EA 150 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV).....	449.40	74.13
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0150 EA 200 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV).....	549.54	82.85
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0151 EA 250 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV).....	632.05	87.21
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0152 EA 400 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV).....	645.47	95.93
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0153 EA 70 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV).....	349.89	65.41
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0154 EA 100 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV).....	365.14	69.76
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0155 EA 175 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV).....	386.94	78.49
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0156 EA 250 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV).....	577.82	87.21
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0157 EA 400 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV).....	788.90	95.93
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
<b>26 54 13 00-0158 Pendant Mount DMV Champ Series (26 54 13 00-0092)</b>		
Note: With globe, Class I Division II.		
26 54 13 00-0159 EA 70 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds DMV).....	451.94	65.41
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0160 EA 100 Watt High Pressure Sodium Fixture, Pendant Mount With Globe Glass, Class I Division II (Crouse-Hinds DMV).....	466.06	69.76
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0161 EA 100 Watt Metal Halide Fixture, Pendant Mount With Globe Glass, Class I Division II (Crouse-Hinds DMV).....	405.25	69.76
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
26 54 13 00-0162 EA 175 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds DMV).....	460.10	74.13
For Ceiling Mounted, Add	26.97	
For Wall Mounted, Add	57.60	
For Stanchion Mounted, Add	45.36	
<b>26 54 16 Fluorescent Classified Location Lighting (26 54)</b>		
<b>26 54 16 00-0001 Class I Division I, Explosion Proof Fixtures (26 54 16)</b>		
Note: Pendant or ceiling mount.		
26 54 16 00-0002 EA 2 - 40 Watt 430mA Fluorescent Lamps, 4' Length, Pendant Mount, Class I Division I, Explosion Proof Fixture.....	2,448.71	111.69
26 54 16 00-0003 EA 4 - 60 Watt 800mA Fluorescent Lamps, 4' Length, Pendant Mount, Class I Division I, Explosion Proof Fixture.....	4,404.84	111.62
<b>26 54 16 00-0004 Class I, Division I, Hazardous Location Fixtures (26 54 16)</b>		
<b>26 54 16 00-0005 4' Fluorescent Pendant Mount, Class I Division I (26 54 16 00-0004)</b>		
26 54 16 00-0006 EA 4' Fluorescent Fixture, 40W Rapid Start, Appleton #ARS240-118ESB.....	1,981.08	85.93



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Classified Location Lighting</b>	<b>26 54</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 16 00-0007 EA 4' Fluorescent Fixture, 40 Watt Biaxial Comb., Appleton #APL240-120 .....	1,293.28	85.93
26 54 16 00-0008 EA 4' Fluorescent Fixture, 60W Rapid Start, Appleton #AH260-118 .....	2,365.21	85.93
<b>26 54 16 00-0009 Class I, Division II, Hazardous Location Fixtures (26 54 16)</b>		
<b>26 54 16 00-0010 4' Industrial Fluorescent (26 54 16 00-0009)</b>		
Note: Class I Division II.		
<b>26 54 16 00-0011 Day-Brite Dust Tite, 4' Industrial Fluorescent (26 54 16 00-0010)</b>		
Note: Class I, Division II. Tempered glass lens.		
26 54 16 00-0012 EA Two T8 Lamps, 4' Dust Tite Industrial Fluorescent Fixture Class I, Division II, Day-Brite Dust Tite.....	511.40	85.93
For Porcelain Enamel Coating For Body And Door, Add	30.62	
26 54 16 00-0013 EA Three T8 Lamps, 4' Dust Tite Industrial Fluorescent Fixture Class I, Division II, Day-Brite Dust Tite.....	535.48	85.93
For Porcelain Enamel Coating For Body And Door, Add	30.62	
26 54 16 00-0014 EA Two T12 Lamps, 4' Dust Tite Industrial Fluorescent Fixture Class I, Division II, Day-Brite Dust Tite.....	499.43	85.93
For Porcelain Enamel Coating For Body And Door, Add	30.62	
26 54 16 00-0015 EA Three T12 Lamps, 4' Dust Tite Industrial Fluorescent Fixture Class I, Division II, Day-Brite Dust Tite.....	523.17	85.93
For Porcelain Enamel Coating For Body And Door, Add	30.62	
26 54 16 00-0016 EA High Output Ballast With Two T12 Lamps, 4' Dust Tite Industrial Fluorescent Fixture, Class I, Division II, Day-Brite Dust Tite .....	553.31	85.93
For Porcelain Enamel Coating For Body And Door, Add	30.62	
26 54 16 00-0017 EA High Output Ballast With Three T12 Lamps, 4' Dust Tite Industrial Fluorescent Fixture, Class I, Division II, Day- Brite Dust Tite.....	647.14	85.93
For Porcelain Enamel Coating For Body And Door, Add	30.62	
<b>26 54 16 00-0018 Appleton Nonmetallic Body, FV Series 4' Industrial Fluorescent (26 54 16 00-0010)</b>		
Note: Class I, Division II. Polycarbonate lens.		
26 54 16 00-0019 EA Two T8 Lamps, 4' Industrial Fluorescent Fixture, Nonmetallic Class I, Division II, Appleton Nonmetallic Body, FV Series .....	566.48	85.93
26 54 16 00-0020 EA Three T8 Lamps, 4' Industrial Fluorescent Fixture, Nonmetallic Class I, Division II, Appleton Nonmetallic Body, FV Series .....	591.06	85.93
26 54 16 00-0021 EA Two T12 Lamps, 4' Industrial Fluorescent Fixture, Nonmetallic Class I, Division II, Appleton Nonmetallic Body, FV Series .....	554.08	85.93
26 54 16 00-0022 EA High Output Ballast With Two T8 Lamps, 4' Industrial Fluorescent Fixture, Nonmetallic, Class I, Division II, Appleton Nonmetallic Body, FV Series.....	586.74	85.93
26 54 16 00-0023 EA High Output Ballast With Two T12 Lamps, 4' Industrial Fluorescent Fixture, Nonmetallic, Class I, Division II, Appleton Nonmetallic Body, FV Series.....	598.24	85.93
<b>26 54 16 00-0024 Dust Ignition Proof Fluorescent Fixtures (26 54 16)</b>		
<b>26 54 16 00-0025 Heavy Duty Glass Lamp (26 54 16 00-0024)</b>		
26 54 16 00-0026 EA 1 40 Watt Fluorescent Lamp, Explosion Or Dust Proof, Heavy Duty Glass Fixture.....	717.41	118.80
26 54 16 00-0027 EA 2 40 Watt Fluorescent Lamps, Explosion Or Dust Proof, Heavy Duty Glass Fixture .....	847.28	129.74
26 54 16 00-0028 EA 4 40 Watt Fluorescent Lamps, Explosion Or Dust Proof, Heavy Duty Glass Fixture .....	1,129.02	169.52
<b>26 54 16 00-0029 Heavy Duty Glass Lamp With Heat Resistant Glass Door (26 54 16 00-0024)</b>		
26 54 16 00-0030 EA 2 40 Watt Fluorescent Lamps, Explosion Or Dust Proof, Heavy Duty Glass Fixture With Heat Resistant Door .....	489.84	99.35
<b>26 54 23 HID Classified Location Lighting (26 54)</b>		
<b>26 54 23 00-0001 Mogul Base, Class I Division II, Dust Ignition Proof Fixtures (26 54 23)</b>		
<b>26 54 23 00-0002 Mogul Base, Class I Division II, Dust Ignition Proof Fixtures Without Reflector (26 54 23 00-0001)</b>		
26 54 23 00-0003 EA 100 Watt High Pressure Sodium High Intensity Discharge, Mogul Base, Industrial Lighting Fixture, Pendant Mounted, Without Reflector, Class I Division II.....	576.61	95.73
26 54 23 00-0004 EA 150 Watt High Pressure Sodium, Mogul Base, Pendant Mounted, Class I Division II, Dust Ignition Proof Fixture Without Reflector.....	580.22	95.73
<b>26 54 23 00-0005 Mogul Base, Class I Division II, Dust Ignition Proof Fixtures With Standard Reflector (26 54 23 00-0001)</b>		
26 54 23 00-0006 EA 175 Watt Metal Halide, Mogul Base, Pendant Mounted, Class I Division II, Dust Ignition Proof Fixture With Standard Reflector.....	468.30	95.73
26 54 23 00-0007 EA 100 Watt High Pressure Sodium, Mogul Base, Pendant Mounted, Class I Division II, Dust Ignition Proof Fixture With Standard Reflector .....	594.70	95.73
26 54 23 00-0008 EA 150 Watt High Pressure Sodium, Mogul Base, Pendant Mounted, Class I Division II, Dust Ignition Proof Fixture With Standard Reflector .....	598.31	95.73
<b>26 54 23 00-0009 Mogul Base, Class I Division II, Dust Ignition Proof Fixtures With 30 Degree Reflector (26 54 23 00-0001)</b>		
26 54 23 00-0010 EA 175 Watt Metal Halide, Mogul Base, Pendant Mounted, Class I Division II, Dust Ignition Proof Fixture With 30 Degree Reflector .....	470.11	95.73
26 54 23 00-0011 EA 100 Watt High Pressure Sodium, Mogul Base, Pendant Mounted, Class I Division II, Dust Ignition Proof Fixture With 30 Degree Reflector .....	596.50	95.73
26 54 23 00-0012 EA 150 Watt High Pressure Sodium, Mogul Base, Pendant Mounted, Class I Division II, Dust Ignition Proof Fixture With 30 Degree Reflector .....	600.12	95.73

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 54</b>	<b>Classified Location Lighting</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 54 23 00-0013</b>	<b>Mogul Base, Class I Division I, Explosion Proof Fixtures</b> <small>(26 54 23)</small>				
26 54 23 00-0014	EA		175 Watt Metal Halide, Mogul Base, Pendant Mounted, Class I Division I, Explosion Proof Fixture Without Reflector .....	1,488.53	95.73
			<i>For Standard Reflector, Add</i> .....	20.86	
			<i>For 30 Degree Reflector, Add</i> .....	22.55	
26 54 23 00-0015	EA		100 Watt Metal Halide, Mogul Base, Pendant Mounted, Class I Division I, Explosion Proof Fixture Without Reflector .....	1,568.12	95.73
			<i>For Standard Reflector, Add</i> .....	20.86	
			<i>For 30 Degree Reflector, Add</i> .....	22.55	
26 54 23 00-0016	EA		150 Watt Metal Halide, Mogul Base, Pendant Mounted, Class I Division I, Explosion Proof Fixture Without Reflector .....	1,655.23	95.73
			<i>For Standard Reflector, Add</i> .....	20.86	
			<i>For 30 Degree Reflector, Add</i> .....	22.55	

**26 55 Special Purpose Lighting** (26 50)

**26 55 13 Landscape Lighting** (26 55)

<b>26 55 13 00-0001</b>	<b>Bollards</b> <small>(26 55 13)</small>				
			Note: Excludes concrete base.		
<b>26 55 13 00-0002</b>	<b>Aluminum Architectural Bollards</b> <small>(26 55 13 00-0001)</small>				
<b>26 55 13 00-0003</b>	<b>High Pressure Sodium, Aluminum Architectural Bollards</b> <small>(26 55 13 00-0002)</small>				
<b>26 55 13 00-0004</b>	<b>Square, High Pressure Sodium, Aluminum Architectural Bollards</b> <small>(26 55 13 00-0003)</small>				
26 55 13 00-0005	EA		24" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	896.74	62.37
26 55 13 00-0006	EA		30" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	904.07	66.04
26 55 13 00-0007	EA		36" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	911.41	69.71
26 55 13 00-0008	EA		42" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	844.19	73.38
26 55 13 00-0009	EA		24" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	896.74	62.37
26 55 13 00-0010	EA		30" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	904.07	66.04
26 55 13 00-0011	EA		36" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	911.41	69.71
26 55 13 00-0012	EA		42" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	844.19	73.38
26 55 13 00-0013	EA		24" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	896.74	62.37
26 55 13 00-0014	EA		30" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	904.07	66.04
26 55 13 00-0015	EA		36" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	911.41	69.71
26 55 13 00-0016	EA		42" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	844.19	73.38
26 55 13 00-0017	EA		24" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	896.74	62.37
26 55 13 00-0018	EA		30" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	904.07	66.04
26 55 13 00-0019	EA		36" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	911.41	69.71
26 55 13 00-0020	EA		42" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	844.19	73.38

<b>26 55 13 00-0021</b>	<b>Round, High Pressure Sodium, Aluminum Architectural Bollards</b> <small>(26 55 13 00-0003)</small>				
26 55 13 00-0022	EA		24" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	862.51	62.37
26 55 13 00-0023	EA		30" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	869.84	66.04
26 55 13 00-0024	EA		36" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	877.18	69.71
26 55 13 00-0025	EA		42" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	809.65	73.38
26 55 13 00-0026	EA		24" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	862.51	62.37
26 55 13 00-0027	EA		30" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	869.84	66.04
26 55 13 00-0028	EA		36" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	877.18	69.71
26 55 13 00-0029	EA		42" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	809.65	73.38
26 55 13 00-0030	EA		24" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	862.51	62.37
26 55 13 00-0031	EA		30" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	869.84	66.04
26 55 13 00-0032	EA		36" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	877.18	69.71
26 55 13 00-0033	EA		42" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	809.65	73.38
26 55 13 00-0034	EA		24" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	862.51	62.37
26 55 13 00-0035	EA		30" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	869.84	66.04
26 55 13 00-0036	EA		36" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	877.18	69.71
26 55 13 00-0037	EA		42" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	809.65	73.38

<b>26 55 13 00-0038</b>	<b>Metal Halide, Aluminum Architectural Bollards</b> <small>(26 55 13 00-0002)</small>				
<b>26 55 13 00-0039</b>	<b>Square, Metal Halide, Aluminum Architectural Bollards</b> <small>(26 55 13 00-0038)</small>				
26 55 13 00-0040	EA		24" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard .....	941.19	62.37
26 55 13 00-0041	EA		30" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard .....	948.52	66.04
26 55 13 00-0042	EA		36" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard .....	955.86	69.71
26 55 13 00-0043	EA		42" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard .....	888.33	73.38
26 55 13 00-0044	EA		24" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard .....	941.19	62.37
26 55 13 00-0045	EA		30" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard .....	948.52	66.04
26 55 13 00-0046	EA		36" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard .....	955.86	69.71
26 55 13 00-0047	EA		42" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard .....	888.33	73.38
26 55 13 00-0048	EA		24" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard .....	941.19	62.37
26 55 13 00-0049	EA		30" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard .....	948.52	66.04
26 55 13 00-0050	EA		36" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard .....	955.86	69.71
26 55 13 00-0051	EA		42" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard .....	925.53	73.38



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Special Purpose Lighting</b>	<b>26 55</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 55 13 00-0052</b> Round, Metal Halide, Aluminum Architectural Bollards <small>(26 55 13 00-0038)</small>		
26 55 13 00-0053 EA 24" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard .....	906.65	62.37
26 55 13 00-0054 EA 30" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard .....	913.98	66.04
26 55 13 00-0055 EA 36" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard .....	921.32	69.71
26 55 13 00-0056 EA 42" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard .....	853.79	73.38
26 55 13 00-0057 EA 24" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard .....	906.65	62.37
26 55 13 00-0058 EA 30" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard .....	913.98	66.04
26 55 13 00-0059 EA 36" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard .....	921.32	69.71
26 55 13 00-0060 EA 42" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard .....	853.79	73.38
26 55 13 00-0061 EA 24" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard .....	906.65	62.37
26 55 13 00-0062 EA 30" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard .....	913.98	66.04
26 55 13 00-0063 EA 36" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard .....	921.32	69.71
26 55 13 00-0064 EA 42" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard .....	853.79	73.38
<b>26 55 13 00-0065</b> Compact Fluorescent, Aluminum Architectural Bollards <small>(26 55 13 00-0002)</small>		
<b>26 55 13 00-0066</b> Square, Compact Fluorescent, Aluminum Architectural Bollards <small>(26 55 13 00-0065)</small>		
26 55 13 00-0067 EA 24" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	892.84	62.37
26 55 13 00-0068 EA 30" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	900.17	66.04
26 55 13 00-0069 EA 36" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	907.51	69.71
26 55 13 00-0070 EA 42" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	841.00	73.38
26 55 13 00-0071 EA 24" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	892.84	62.37
26 55 13 00-0072 EA 30" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	900.17	66.04
26 55 13 00-0073 EA 36" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	907.51	69.71
26 55 13 00-0074 EA 42" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	841.00	73.38
26 55 13 00-0075 EA 24" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	892.84	62.37
26 55 13 00-0076 EA 30" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	900.17	66.04
26 55 13 00-0077 EA 36" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	907.51	69.71
26 55 13 00-0078 EA 42" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	841.00	73.38
<b>26 55 13 00-0079</b> Round, Compact Fluorescent, Aluminum Architectural Bollards <small>(26 55 13 00-0065)</small>		
26 55 13 00-0080 EA 24" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	859.05	62.37
26 55 13 00-0081 EA 30" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	866.38	66.04
26 55 13 00-0082 EA 36" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	873.72	69.71
26 55 13 00-0083 EA 42" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	807.86	73.38
26 55 13 00-0084 EA 24" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	859.05	62.37
26 55 13 00-0085 EA 30" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	866.38	66.04
26 55 13 00-0086 EA 36" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	873.72	69.71
26 55 13 00-0087 EA 42" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	807.86	73.38
26 55 13 00-0088 EA 24" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	859.05	62.37
26 55 13 00-0089 EA 30" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	866.38	66.04
26 55 13 00-0090 EA 36" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	873.72	69.71
26 55 13 00-0091 EA 42" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard .....	807.86	73.38
<b>26 55 13 00-0092</b> LED, Aluminum Architectural Bollards <small>(26 55 13 00-0002)</small>		
<b>26 55 13 00-0093</b> Square, LED, Aluminum Architectural Bollards <small>(26 55 13 00-0092)</small>		
26 55 13 00-0094 EA 24" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard .....	1,068.30	62.37
26 55 13 00-0095 EA 30" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard .....	1,075.63	66.04
26 55 13 00-0096 EA 36" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard .....	1,082.97	69.71
26 55 13 00-0097 EA 42" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard .....	1,017.39	73.38
26 55 13 00-0098 EA 24" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard .....	1,303.53	62.37
26 55 13 00-0099 EA 30" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard .....	1,310.86	66.04
26 55 13 00-0100 EA 36" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard .....	1,318.20	69.71
26 55 13 00-0101 EA 42" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard .....	1,251.45	73.38
<b>26 55 13 00-0102</b> Round, LED, Aluminum Architectural Bollards <small>(26 55 13 00-0092)</small>		
26 55 13 00-0103 EA 24" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard .....	1,033.21	62.37
26 55 13 00-0104 EA 30" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard .....	1,040.54	66.04
26 55 13 00-0105 EA 36" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard .....	1,047.88	69.71
26 55 13 00-0106 EA 42" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard .....	981.13	73.38
26 55 13 00-0107 EA 24" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard .....	1,268.44	62.37
26 55 13 00-0108 EA 30" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard .....	1,275.77	66.04
26 55 13 00-0109 EA 36" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard .....	1,283.11	69.71
26 55 13 00-0110 EA 42" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard .....	1,216.78	73.38
<b>26 55 13 00-0111</b> Reinforced Concrete Bollards <small>(26 55 13 00-0001)</small>		
26 55 13 00-0112 EA 48" Overall Height, 12" Diameter, LED Light, Reinforced Concrete Bollard .....	896.52	183.44
26 55 13 00-0113 EA 58" Overall Height, 18" Diameter, High Intensity Discharge (HID) Light, Reinforced Concrete Bollard .....	1,570.82	244.57
<b>26 55 13 00-0114</b> Low Voltage <small>(26 55 13)</small>		
26 55 13 00-0115 EA Low Voltage Recessed Uplight .....	490.15	133.55
26 55 13 00-0116 EA Low Voltage Walkway .....	347.86	73.38
26 55 13 00-0117 EA Low Voltage Maibu - 5 Light Set .....	342.19	97.96

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 55</b>	<b>Special Purpose Lighting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0118 EA Low Voltage Mushroom 24" Pier.....	296.67	73.38
<b>26 55 13 00-0119 Recessed, Adjustable</b> <small>(26 55 13)</small>		
26 55 13 00-0120 EA 150 Watt Incandescent Recessed, Adjustable.....	574.85	117.41
26 55 13 00-0121 EA 300 Watt Incandescent Recessed, Adjustable.....	629.70	117.41
<b>26 55 13 00-0122 Recessed, Uplight</b> <small>(26 55 13)</small>		
26 55 13 00-0123 EA 50 Watt Incandescent Recessed Uplight.....	512.69	117.41
26 55 13 00-0124 EA 150 Watt Incandescent Recessed Uplight.....	523.66	117.41
26 55 13 00-0125 EA 300 Watt Incandescent Recessed Uplight.....	556.56	117.41
26 55 13 00-0126 EA 500 Watt Quartz Recessed Uplight.....	552.91	117.41
26 55 13 00-0127 EA 5 Watt LED Recessed Uplight.....	664.11	117.41
26 55 13 00-0128 EA 15 Watt LED Recessed Uplight.....	729.63	117.41
<b>26 55 13 00-0129 Recessed Wall Light</b> <small>(26 55 13)</small>		
26 55 13 00-0130 EA 100 Watt Incandescent Recessed Wall Light.....	263.76	73.38
26 55 13 00-0131 EA 100 Watt Fluorescent Recessed Wall Light.....	252.79	73.38
26 55 13 00-0132 EA 100 Watt High Intensity Discharge (HID) Recessed Wall Light.....	411.67	97.96
<b>26 55 13 00-0133 Step Lights</b> <small>(26 55 13)</small>		
26 55 13 00-0134 EA Incandescent Step Light.....	216.10	58.70
26 55 13 00-0135 EA Fluorescent Step Light.....	252.70	58.70
26 55 13 00-0136 EA 5 Watt LED Step Light.....	364.21	58.70
26 55 13 00-0137 EA 15 Watt LED Step Light.....	434.09	58.70
<b>26 55 13 00-0138 Tree Lights, Surface Adjustable</b> <small>(26 55 13)</small>		
26 55 13 00-0139 EA 50 Watt Incandescent Tree Lights.....	459.20	97.96
26 55 13 00-0140 EA 100 Watt Incandescent Tree Lights.....	470.17	97.96
26 55 13 00-0141 EA 150 Watt Incandescent Tree Lights.....	586.03	146.75
<b>26 55 16 Walkway Lighting</b> <small>(26 55)</small>		
<b>26 55 16 00-0001 Incandescent Walkway</b> <small>(26 55 16)</small>		
26 55 16 00-0002 EA Post Top 300 Watt Incandescent Walkway Fixture.....	399.89	68.24
<b>26 55 16 00-0003 Metal Halide Walkway</b> <small>(26 55 16)</small>		
26 55 16 00-0004 EA Post Top 100 Watt Metal Halide Walkway Fixture.....	610.90	107.28
26 55 16 00-0005 EA Post Top 150-175 Watt Metal Halide Walkway Fixture.....	653.19	111.17
26 55 16 00-0006 EA Post Top 250 Watt Metal Halide Walkway Fixture.....	716.00	115.42
26 55 16 00-0007 EA Post Top 400 Watt Metal Halide Walkway Fixture.....	763.58	124.75
26 55 16 00-0008 EA Round Luminaries 100 Watt Metal Halide Walkway Fixture.....	669.79	115.42
26 55 16 00-0009 EA Round Luminaries 150-175 Watt Metal Halide Walkway Fixture.....	699.81	107.28
26 55 16 00-0010 EA Round Luminaries 250 Watt Metal Halide Walkway Fixture.....	708.67	111.17
26 55 16 00-0011 EA Spherical 100 Watt Metal Halide Walkway Fixture.....	591.92	76.46
26 55 16 00-0012 EA Spherical 150-175 Watt Metal Halide Walkway Fixture.....	638.14	76.46
26 55 16 00-0013 EA Spherical 250 Watt Metal Halide Walkway Fixture.....	684.35	76.46
26 55 16 00-0014 EA Spherical 400 Watt Metal Halide Walkway Fixture.....	773.06	86.07
26 55 16 00-0015 EA Low Walkway 100 Watt Metal Halide Walkway Fixture.....	576.46	68.68
<b>26 55 16 00-0016 High Pressure Sodium Walkway</b> <small>(26 55 16)</small>		
26 55 16 00-0017 EA Post Top 100 Watt High Pressure Sodium Walkway Fixture.....	524.20	107.28
26 55 16 00-0018 EA Post Top 150-175 Watt High Pressure Sodium Walkway Fixture.....	558.94	111.17
26 55 16 00-0019 EA Post Top 250 Watt High Pressure Sodium Walkway Fixture.....	609.85	115.42
26 55 16 00-0020 EA Post Top 400 Watt High Pressure Sodium Walkway Fixture.....	651.14	124.75
26 55 16 00-0021 EA Round Luminaries 100 Watt High Pressure Sodium Walkway Fixture.....	573.75	115.42
26 55 16 00-0022 EA Round Luminaries 150-175 Watt High Pressure Sodium Walkway Fixture.....	593.66	107.28
26 55 16 00-0023 EA Round Luminaries 250 Watt High Pressure Sodium Walkway Fixture.....	602.29	111.17
26 55 16 00-0024 EA Spherical 100 Watt High Pressure Sodium Walkway Fixture.....	495.88	76.46
26 55 16 00-0025 EA Spherical 175 150-Watt High Pressure Sodium Walkway Fixture.....	531.99	76.46
26 55 16 00-0026 EA Spherical 250 Watt High Pressure Sodium Walkway Fixture.....	568.09	76.46
26 55 16 00-0027 EA Spherical 400 Watt High Pressure Sodium Walkway Fixture.....	641.63	86.07
26 55 16 00-0028 EA Low Walkway 100 Watt High Pressure Sodium Walkway Fixture.....	308.78	68.68
<b>26 55 16 00-0029 Walkway, Adjustable</b> <small>(26 55 16)</small>		
26 55 16 00-0030 EA 2' Fluorescent Adjustable Walkway Fixture.....	583.56	97.96
26 55 16 00-0031 EA 4' Fluorescent Adjustable Walkway Fixture.....	606.37	97.96
26 55 16 00-0032 EA 8' Fluorescent Adjustable Walkway Fixture.....	1,099.18	146.75
26 55 16 00-0033 EA 50 Watt Incandescent Adjustable Walkway Fixture.....	511.58	73.38
26 55 16 00-0034 EA 150 Watt Incandescent Adjustable Walkway Fixture.....	541.98	73.38



<b>Electrical</b>	<b>26</b>	<b>26</b>
Lighting	26 50	
Special Purpose Lighting	26 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 16 00-0035 LED Walkway <small>(26 55 16)</small>		
26 55 16 00-0036 LED Pathway Fixtures (CREE® BetaLED® Edge® PWY-EDG) <small>(26 55 16 00-0035)</small>		
Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 16 00-0037 EA 13" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	701.56	56.35
For Multi-Level Drive Currents, Add	192.47	
26 55 16 00-0038 EA 18" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	724.93	56.35
For Multi-Level Drive Currents, Add	192.47	
26 55 16 00-0039 EA 36" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	766.17	56.35
For Multi-Level Drive Currents, Add	192.47	
26 55 16 00-0040 EA 42" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	797.79	56.35
For Multi-Level Drive Currents, Add	192.47	
26 55 16 00-0041 EA 96" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	913.99	72.45
For Multi-Level Drive Currents, Add	192.47	
26 55 16 00-0042 Wall Mounted Walkway Lighting <small>(26 55 16 00-0035)</small>		
26 55 16 00-0043 EA Wall Mounted Lantern With LED Kit, No. PDEX-Bracket (Herwig P-492).....	2,521.47	
Note: Type Fixture 17 as Post		
26 55 16 00-0044 Pole Mounted Walkway Lighting <small>(26 55 16 00-0035)</small>		
26 55 16 00-0045 EA 43-1/2" Height x 19" Diameter, LED Post Lantern (Herwig AP-27).....	2,330.77	
26 55 16 00-0046 EA 12' Tapered and Fluted Post (Herwig BRA Series, BRAJ-12) .....	2,288.60	
Note: Washers and nuts included		
26 55 29 Underwater Lighting <small>(26 55)</small>		
26 55 29 00-0001 Underwater Lights <small>(26 55 29)</small>		
26 55 29 00-0002 EA 150 Watt, 120 Volt Underwater Lights .....	379.15	48.79
26 55 29 00-0003 EA 300 Watt, 120 Volt Underwater Lights .....	423.03	48.79
26 55 29 00-0004 EA 1,000 Watt, 120 Volt Underwater Lights .....	1,042.60	73.38
26 55 29 00-0005 EA 50 Watt, 12 Volt Underwater Lights .....	397.44	48.79
26 55 29 00-0006 EA 300 Watt, 12 Volt Underwater Lights .....	448.63	48.79
26 55 29 00-0007 SET Under Water Fountain Fixture, Set Of 6, 300 Watt, Incandescent.....	1,152.32	110.07
26 55 53 Security Lighting <small>(26 55)</small>		
26 55 53 11 Security Flood Lighting <small>(26 55 53)</small>		
26 55 53 11-0001 General Electric Powerflood® Flood Lights <small>(26 55 53 11)</small>		
26 55 53 11-0002 MPF (Small Size) Series GE Flood Lights <small>(26 55 53 11-0001)</small>		
Note: For perimeters, entrances, building facades and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. 1/2" threaded mounting knuckle.		
26 55 53 11-0003 High Pressure Sodium MPF Series GE Flood Lights <small>(26 55 53 11-0002)</small>		
26 55 53 11-0004 EA 70 Watt High Pressure Sodium MPF Series GE Flood Light .....	220.85	61.93
26 55 53 11-0005 EA 100 Watt High Pressure Sodium MPF Series GE Flood Light .....	222.80	61.93
26 55 53 11-0006 EA 150 Watt High Pressure Sodium MPF Series GE Flood Light .....	226.03	61.93
26 55 53 11-0007 Metal Halide MPF Series GE Flood Lights <small>(26 55 53 11-0002)</small>		
26 55 53 11-0008 EA 70 Watt Metal Halide MPF Series GE Flood Light .....	297.81	61.93
26 55 53 11-0009 P-154 (Small Size) Series GE Flood Lights <small>(26 55 53 11-0001)</small>		
Note: For parking lots, building security, building facades, recreation areas and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0010 High Pressure Sodium P-154 Series GE Flood Lights <small>(26 55 53 11-0009)</small>		
26 55 53 11-0011 EA 70 Watt High Pressure Sodium P-154 Series GE Flood Light .....	443.86	82.56
26 55 53 11-0012 EA 100 Watt High Pressure Sodium P-154 Series GE Flood Light .....	446.44	82.56
26 55 53 11-0013 EA 150 Watt High Pressure Sodium P-154 Series GE Flood Light .....	450.97	82.56
26 55 53 11-0014 EA 250 Watt High Pressure Sodium P-154 Series GE Flood Light .....	502.06	82.56
26 55 53 11-0015 EA 400 Watt High Pressure Sodium P-154 Series GE Flood Light .....	516.93	82.56
26 55 53 11-0016 Metal Halide P-154 Series GE Flood Lights <small>(26 55 53 11-0009)</small>		
26 55 53 11-0017 EA 175 Watt Metal Halide P-154 Series GE Flood Light .....	439.33	82.56
26 55 53 11-0018 EA 250 Watt Metal Halide P-154 Series GE Flood Light .....	461.97	82.56
26 55 53 11-0019 EA 400 Watt Metal Halide P-154 Series GE Flood Light .....	473.61	82.56
26 55 53 11-0020 PF-154 (Medium Size) Series GE Flood Lights <small>(26 55 53 11-0001)</small>		
Note: For parking lots, building security and building facades. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 55</b>	<b>Special Purpose Lighting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 55 53 11-0021</b>	<b>High Pressure Sodium PF-154 Series GE Flood Lights</b> (26 55 53 11-0020)	
26 55 53 11-0022 EA	70 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	453.51 92.88
26 55 53 11-0023 EA	100 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	456.75 92.88
26 55 53 11-0024 EA	150 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	461.92 92.88
26 55 53 11-0025 EA	250 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	512.36 92.88
26 55 53 11-0026 EA	400 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	526.59 92.88
<b>26 55 53 11-0027</b>	<b>Metal Halide PF-154 GE Flood Lights</b> (26 55 53 11-0020)	
26 55 53 11-0028 EA	175 Watt Metal Halide PF-154 Series GE Flood Light.....	449.63 92.88
26 55 53 11-0029 EA	250 Watt Metal Halide PF-154 Series GE Flood Light.....	471.62 92.88
26 55 53 11-0030 EA	400 Watt Metal Halide PF-154 Series GE Flood Light.....	483.26 92.88
<b>26 55 53 11-0031</b>	<b>PF-400 (Medium Size) Series GE Flood Lights</b> (26 55 53 11-0001)	
	Note: For parking lots, building security, building facades, shipping yards and rail yards. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.	
<b>26 55 53 11-0032</b>	<b>High Pressure Sodium PF-400 Series GE Flood Lights</b> (26 55 53 11-0031)	
26 55 53 11-0033 EA	150 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	606.14 92.88
26 55 53 11-0034 EA	200 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	651.40 92.88
26 55 53 11-0035 EA	250 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	648.17 92.88
26 55 53 11-0036 EA	400 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	664.34 92.88
<b>26 55 53 11-0037</b>	<b>Metal Halide PF-400 GE Flood Lights</b> (26 55 53 11-0031)	
26 55 53 11-0038 EA	175 Watt Metal Halide PF-400 Series GE Flood Light.....	622.95 92.88
26 55 53 11-0039 EA	250 Watt Metal Halide PF-400 Series GE Flood Light.....	636.53 92.88
26 55 53 11-0040 EA	400 Watt Metal Halide PF-400 Series GE Flood Light.....	650.76 92.88
<b>26 55 53 11-0041</b>	<b>PF-1000 (Large Size) Series GE Flood Lights</b> (26 55 53 11-0001)	
	Note: For parking lots, industrial yards and sports stadiums. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.	
<b>26 55 53 11-0042</b>	<b>High Pressure Sodium PF-154 Series GE Flood Lights</b> (26 55 53 11-0041)	
26 55 53 11-0043 EA	750 Watt High Pressure Sodium PF-1000 Series GE Flood Light.....	820.14 103.21
26 55 53 11-0044 EA	1,000 Watt High Pressure Sodium PF-1000 Series GE Flood Light.....	820.14 103.21
<b>26 55 53 11-0045</b>	<b>Metal Halide PF-1000 Series GE Flood Lights</b> (26 55 53 11-0041)	
26 55 53 11-0046 EA	1,000 Watt Metal Halide PF-1000 Series GE Flood Light.....	782.63 103.21
<b>26 55 53 11-0047</b>	<b>HLU/MLU (Medium Size) FRP Series GE Flood Lights</b> (26 55 53 11-0001)	
	Note: For parking lots, industrial yards, construction sites, recreation areas and facades. Includes corrosion resistant reinforced polyester housing and thermal shock resistant lens. Hydroformed aluminum reflector. Yoke or slip fitter mounting.	
<b>26 55 53 11-0048</b>	<b>High Pressure Sodium HLU/MLU FRP Series GE Flood Lights</b> (26 55 53 11-0047)	
26 55 53 11-0049 EA	250 Watt High Pressure Sodium HLU/MLU FRP Series GE Flood Light.....	668.22 92.88
26 55 53 11-0050 EA	400 Watt High Pressure Sodium HLU/MLU FRP Series GE Flood Light.....	680.51 92.88
<b>26 55 53 11-0051</b>	<b>Metal Halide HLU/MLU Series GE Flood Lights</b> (26 55 53 11-0047)	
26 55 53 11-0052 EA	400 Watt Metal Halide HLU/MLU FRP Series GE Flood Light.....	675.33 92.88
<b>26 55 53 11-0053</b>	<b>Accessories For Powerflood GE Flood Lights</b> (26 55 53 11-0001)	
26 55 53 11-0054 EA	Wireguard For Powerflood GE Flood Light.....	115.65 20.65
26 55 53 11-0055 EA	Polycarbonate Vandal Shield For Powerflood GE Flood Light.....	67.79 20.65
26 55 53 11-0056 EA	Top Visor For Powerflood Flood Light.....	97.54 20.65
26 55 53 11-0057 EA	Top And Two Side Visors For Powerflood GE Flood Light.....	74.91 20.65
26 55 53 11-0058 EA	Pipe Wall Mounting Bracket For Powerflood GE Flood Light.....	189.81 61.93
26 55 53 11-0059 EA	Multiple Mounting Channel For Powerflood GE Flood Light.....	82.02 20.65
26 55 53 11-0060 EA	Wall Or Flat Surface Bracket For Powerflood GE Flood Light.....	141.31 61.93
26 55 53 11-0061 EA	Steel Angle Bracket For Powerflood GE Flood Light.....	147.13 61.93
26 55 53 11-0062 EA	Cross Arm Adaptor For Powerflood GE Flood Light.....	61.97 20.65
26 55 53 11-0063 EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Powerflood GE Flood Light.....	60.03 20.65
<b>26 55 53 11-0064</b>	<b>Lithonia Contour Series Flood Lights</b> (26 55 53 11)	
<b>26 55 53 11-0065</b>	<b>TFM (Small Size) Series Lithonia Flood Lights</b> (26 55 53 11-0064)	
	Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Faceted parabolic optics. 1/2" threaded mounting knuckle.	
<b>26 55 53 11-0066</b>	<b>High Pressure Sodium TFM Series Lithonia Flood Lights</b> (26 55 53 11-0065)	



<b>Electrical</b>	<b>26</b>	<b>26</b>
Lighting	26 50	
Special Purpose Lighting	26 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0067 EA 70 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	409.43	82.56
26 55 53 11-0068 EA 100 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	446.77	82.56
26 55 53 11-0069 EA 150 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	483.33	82.56
<b>26 55 53 11-0070 Metal Halide TFM Series Lithonia Flood Lights (26 55 53 11-0065)</b>		
26 55 53 11-0071 EA 50 Watt Metal Halide TFM Series Lithonia Flood Light.....	528.96	82.56
26 55 53 11-0072 EA 70 Watt Metal Halide TFM Series Lithonia Flood Light.....	519.97	82.56
26 55 53 11-0073 EA 100 Watt Metal Halide TFM Series Lithonia Flood Light.....	505.49	82.56
26 55 53 11-0074 EA 175 Watt Metal Halide TFM Series Lithonia Flood Light.....	504.41	82.56
<b>26 55 53 11-0075 Compact Fluorescent TFM Series Lithonia Flood Lights (26 55 53 11-0065)</b>		
26 55 53 11-0076 EA 42 Watt Compact Fluorescent TFM Series Lithonia Flood Light.....	525.24	82.56
<b>26 55 53 11-0077 TFL (Medium Size) Series Lithonia Flood Lights (26 55 53 11-0064)</b>		
Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
<b>26 55 53 11-0078 High Pressure Sodium TFL Series Lithonia Flood Lights (26 55 53 11-0077)</b>		
26 55 53 11-0079 EA 250 Watt High Pressure Sodium TFL Series Lithonia Flood Light.....	624.66	92.88
26 55 53 11-0080 EA 400 Watt High Pressure Sodium TFL Series Lithonia Flood Light.....	637.11	92.88
<b>26 55 53 11-0081 Metal Halide TFL Series Lithonia Flood Lights (26 55 53 11-0077)</b>		
26 55 53 11-0082 EA 175 Watt Metal Halide TFL Series Lithonia Flood Light.....	596.67	92.88
26 55 53 11-0083 EA 250 Watt Metal Halide TFL Series Lithonia Flood Light.....	596.67	92.88
26 55 53 11-0084 EA 400 Watt Metal Halide TFL Series Lithonia Flood Light.....	616.20	92.88
<b>26 55 53 11-0085 TFR (Low Profile) Series Lithonia Flood Lights (26 55 53 11-0064)</b>		
Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
<b>26 55 53 11-0086 High Pressure Sodium TFR Lithonia Flood Lights (26 55 53 11-0085)</b>		
26 55 53 11-0087 EA 150 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light.....	597.80	82.56
26 55 53 11-0088 EA 250 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light.....	616.44	82.56
26 55 53 11-0089 EA 400 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light.....	632.01	82.56
<b>26 55 53 11-0090 Metal Halide TFR Lithonia Flood Lights (26 55 53 11-0085)</b>		
26 55 53 11-0091 EA 250 Watt Metal Halide TFR Series Lithonia Flood Light.....	591.56	82.56
26 55 53 11-0092 EA 400 Watt Metal Halide TFR Series Lithonia Flood Light.....	610.23	82.56
<b>26 55 53 11-0093 TFA (Large Size) Series Lithonia Flood Lights (26 55 53 11-0064)</b>		
Note: For industrial yards, parking lots, construction sites, streets and recreational areas. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
<b>26 55 53 11-0094 High Pressure Sodium TFA Series Lithonia Flood Lights (26 55 53 11-0093)</b>		
26 55 53 11-0095 EA 1,000 Watt High Pressure Sodium TFA Series Lithonia Flood Light.....	1,155.62	103.21
<b>26 55 53 11-0096 Metal Halide TFA Series Lithonia Flood Lights (26 55 53 11-0093)</b>		
26 55 53 11-0097 EA 400 Watt Metal Halide TFA Series Lithonia Flood Light.....	891.08	103.21
26 55 53 11-0098 EA 1,000 Watt Metal Halide TFA Series Lithonia Flood Light.....	984.44	103.21
<b>26 55 53 11-0099 Accessories For Contour Series Lithonia Flood Lights (26 55 53 11-0064)</b>		
26 55 53 11-0100 EA Wireguard For Contour Series Lithonia Flood Light.....	99.96	20.65
26 55 53 11-0101 EA Vandal Guard For Contour Series Lithonia Flood Light.....	191.60	20.65
26 55 53 11-0102 EA Upper Visor For Contour Series Lithonia Flood Light.....	82.67	20.65
26 55 53 11-0103 EA Full Visor For Contour Series Lithonia Flood Light.....	110.67	20.65
26 55 53 11-0104 EA Pipe Wall Mounting Bracket For Contour Series Lithonia Flood Light.....	248.31	61.93
26 55 53 11-0105 EA Radius Wall Bracket For Contour Series Lithonia Flood Light.....	198.76	61.93
26 55 53 11-0106 EA Steel Angle Bracket For Contour Series Lithonia Flood Light.....	198.76	61.93
26 55 53 11-0107 EA U Bolt Wall Bracket For Contour Series Lithonia Flood Light, Mounts To 2" Pipe.....	218.53	61.93
26 55 53 11-0108 EA Crossarm Adapter For Horizontal Mounted Contour Lithonia Series Flood Light.....	95.71	20.65
26 55 53 11-0109 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Contour Lithonia Series Flood Light.....	76.72	20.65
<b>26 55 53 11-0110 Eaton Flood Lights (26 55 53 11)</b>		
26 55 53 11-0111 EA 6" x 6", 128 Watt, 16,932 Lumens, LED Flood Light (Eaton NFFLD-C40-D-UNV-66-T-CB).....	632.63	82.56
For NEMA Photocontrol Option (Eaton OAVRA1016), Add		32.99
26 55 53 11-0112 EA 128 Watt, 120-277 Volt, 16,900 Lumens, NEMA 6H x 6V Wide, Trunnion Mount, 4000K Night Falcon LED Flood Light With Multi-Tap (Cooper Industries NFFLD-C40-D-UNV-66-T-CB-PER7+OAVRA1016).....	784.72	90.70





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0113 Ruud Flood Lights <small>(26 55 53 11)</small>		
26 55 53 11-0114 NS (Micro) Series Ruud Flood Lights <small>(26 55 53 11-0113)</small> Note: Provides conventional floodlighting, 1/2" threaded mounting knuckle.		
26 55 53 11-0115 High Pressure Sodium NS Series Ruud Flood Lights <small>(26 55 53 11-0114)</small>		
26 55 53 11-0116 EA 35 Watt High Pressure Sodium NS Series Ruud Flood Light .....	270.00	61.93
26 55 53 11-0117 EA 50 Watt High Pressure Sodium NS Series Ruud Flood Light .....	270.00	61.93
26 55 53 11-0118 EA 70 Watt High Pressure Sodium NS Series Ruud Flood Light .....	270.00	61.93
26 55 53 11-0119 EA 100 Watt High Pressure Sodium NS Series Ruud Flood Light .....	270.00	61.93
26 55 53 11-0120 EA 150 Watt High Pressure Sodium NS Series Ruud Flood Light .....	270.00	61.93
26 55 53 11-0121 Metal Halide NS Series Ruud Flood Lights <small>(26 55 53 11-0114)</small>		
26 55 53 11-0122 EA 50 Watt Metal Halide NS Series Ruud Flood Light .....	306.22	61.93
26 55 53 11-0123 EA 70 Watt Metal Halide NS Series Ruud Flood Light .....	306.22	61.93
26 55 53 11-0124 EA 100 Watt Metal Halide NS Series Ruud Flood Light .....	306.22	61.93
26 55 53 11-0125 Compact Fluorescent NS Series Ruud Flood Lights <small>(26 55 53 11-0114)</small>		
26 55 53 11-0126 EA 13 Watt Compact Fluorescent NS Series Ruud Flood Light .....	232.50	61.93
26 55 53 11-0127 EA 26 Watt Compact Fluorescent NS Series Ruud Flood Light .....	241.55	61.93
26 55 53 11-0128 EA 32 Watt Compact Fluorescent NS Series Ruud Flood Light .....	244.14	61.93
26 55 53 11-0129 EA 42 Watt Compact Fluorescent NS Series Ruud Flood Light .....	246.72	61.93
26 55 53 11-0130 NSF/NSW/NSC (Standard, Wide And Cutoff Micro) Series Ruud Flood Lights <small>(26 55 53 11-0113)</small> Note: The NSF is suited for large open areas and façade applications. The NSW is suited for roadway applications, parking areas or security. The NSC is designed for parking lot and outdoor sports areas. Yoke or slip fitter mounting.		
26 55 53 11-0131 High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Lights <small>(26 55 53 11-0130)</small>		
26 55 53 11-0132 EA 150 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light .....	416.01	92.88
26 55 53 11-0133 EA 250 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light .....	439.29	92.88
26 55 53 11-0134 EA 400 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light .....	452.22	92.88
26 55 53 11-0135 Metal Halide NSF/NSW/NSC Series Ruud Flood Lights <small>(26 55 53 11-0130)</small>		
26 55 53 11-0136 EA 175 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light .....	410.83	92.88
26 55 53 11-0137 EA 250 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light .....	413.42	92.88
26 55 53 11-0138 EA 400 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light .....	421.18	92.88
26 55 53 11-0139 Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Lights <small>(26 55 53 11-0130)</small>		
26 55 53 11-0140 EA 70 Watt Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Light .....	401.78	92.88
26 55 53 11-0141 FS (Square) Series Ruud Flood Lights <small>(26 55 53 11-0113)</small> Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 55 53 11-0142 High Pressure Sodium FS Series Ruud Flood Lights <small>(26 55 53 11-0141)</small>		
26 55 53 11-0143 EA 250 Watt High Pressure Sodium FS Series Ruud Flood Light.....	484.56	92.88
26 55 53 11-0144 EA 400 Watt High Pressure Sodium FS Series Ruud Flood Light.....	487.14	92.88
26 55 53 11-0145 EA 1,000 Watt High Pressure Sodium FS Series Ruud Flood Light.....	820.78	103.21
26 55 53 11-0146 Metal Halide FS Series Ruud Flood Lights <small>(26 55 53 11-0141)</small>		
26 55 53 11-0147 EA 175 Watt Metal Halide FS Series Ruud Flood Light.....	484.56	92.88
26 55 53 11-0148 EA 250 Watt Metal Halide FS Series Ruud Flood Light.....	487.14	92.88
26 55 53 11-0149 EA 400 Watt Metal Halide FS Series Ruud Flood Light.....	494.90	92.88
26 55 53 11-0150 EA 1,000 Watt Metal Halide FS Series Ruud Flood Light.....	735.42	103.21
26 55 53 11-0151 MFS (Mini Square) Series Ruud Flood Lights <small>(26 55 53 11-0113)</small> Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 55 53 11-0152 High Pressure Sodium MFS Series Ruud Flood Lights <small>(26 55 53 11-0151)</small>		
26 55 53 11-0153 EA 35 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	381.13	82.56
26 55 53 11-0154 EA 50 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	408.29	82.56
26 55 53 11-0155 EA 70 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	408.29	82.56
26 55 53 11-0156 EA 100 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	408.29	82.56
26 55 53 11-0157 EA 150 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	408.29	82.56
26 55 53 11-0158 Metal Halide MFS Series Ruud Flood Lights <small>(26 55 53 11-0151)</small>		
26 55 53 11-0159 EA 50 Watt Metal Halide MFS Series Ruud Flood Light.....	417.34	82.56
26 55 53 11-0160 EA 70 Watt Metal Halide MFS Series Ruud Flood Light.....	417.34	82.56
26 55 53 11-0161 EA 100 Watt Metal Halide MFS Series Ruud Flood Light.....	417.34	82.56
26 55 53 11-0162 EA 175 Watt Metal Halide MFS Series Ruud Flood Light.....	403.12	82.56



<b>Electrical</b>	<b>26</b>	<b>26</b>
Lighting	26 50	
Special Purpose Lighting	26 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0163	<b>MCF/MPM/MPN (Mini Cutoff. Parabolic Medium And Narrow Mini Square) Series Ruud Flood Lights</b> <small>(26 55 53 11-0113)</small>	
Note: The MCF is suited for parking lots, volleyball courts and tennis courts. The MPM and MPN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 55 53 11-0164	<b>High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Lights</b> <small>(26 55 53 11-0163)</small>	
26 55 53 11-0165	EA 35 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light .....	413.46
26 55 53 11-0166	EA 50 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light .....	440.62
26 55 53 11-0167	EA 70 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light .....	440.62
26 55 53 11-0168	EA 100 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light .....	440.62
26 55 53 11-0169	EA 150 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light .....	440.62
26 55 53 11-0170	<b>Metal Halide MCF/MPM/MPN Series Ruud Flood Lights</b> <small>(26 55 53 11-0163)</small>	
26 55 53 11-0171	EA 50 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light .....	449.68
26 55 53 11-0172	EA 70 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light .....	449.68
26 55 53 11-0173	EA 100 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light .....	449.68
26 55 53 11-0174	EA 175 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light .....	435.45
26 55 53 11-0175	<b>CF (Cutoff Square) Series Ruud Flood Lights</b> <small>(26 55 53 11-0113)</small>	
Note: The CF is suited for parking lots, volleyball courts and tennis courts. Yoke or slip fitter mounting.		
26 55 53 11-0176	<b>High Pressure Sodium CF Series Ruud Flood Lights</b> <small>(26 55 53 11-0175)</small>	
26 55 53 11-0177	EA 250 Watt High Pressure Sodium CF Series Ruud Flood Light .....	545.35
26 55 53 11-0178	EA 400 Watt High Pressure Sodium CF Series Ruud Flood Light .....	558.28
26 55 53 11-0179	EA 1,000 Watt High Pressure Sodium CF Series Ruud Flood Light .....	853.12
26 55 53 11-0180	<b>Metal Halide CF Series Ruud Flood Lights</b> <small>(26 55 53 11-0175)</small>	
26 55 53 11-0181	EA 175 Watt Metal Halide CF Series Ruud Flood Light .....	516.89
26 55 53 11-0182	EA 250 Watt Metal Halide CF Series Ruud Flood Light .....	519.48
26 55 53 11-0183	EA 400 Watt Metal Halide CF Series Ruud Flood Light .....	527.24
26 55 53 11-0184	EA 1,000 Watt Metal Halide CF Series Ruud Flood Light .....	767.76
26 55 53 11-0185	<b>CN (Narrow Beam Cutoff Square) Series Ruud Flood Lights</b> <small>(26 55 53 11-0113)</small>	
Note: The CN is suited for large sports fields, building facades and signs. Yoke or slip fitter mounting.		
26 55 53 11-0186	<b>High Pressure Sodium CN Series Ruud Flood Lights</b> <small>(26 55 53 11-0185)</small>	
26 55 53 11-0187	EA 400 High Pressure Sodium CN Series Ruud Flood Light .....	703.09
26 55 53 11-0188	EA 1,000 High Pressure Sodium CN Series Ruud Flood Light .....	837.60
26 55 53 11-0189	<b>Metal Halide CN Series Ruud Flood Lights</b> <small>(26 55 53 11-0185)</small>	
26 55 53 11-0190	EA 400 Watt Metal Halide CN Series Ruud Flood Light .....	672.04
26 55 53 11-0191	EA 1,000 Watt Metal Halide CN Series Ruud Flood Light .....	752.23
26 55 53 11-0192	<b>PM/PN (Parabolic Medium And Narrow Square) Series Ruud Flood Lights</b> <small>(26 55 53 11-0113)</small>	
Note: The PM and PN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 55 53 11-0193	<b>High Pressure Sodium PM/PN Series Ruud Flood Lights</b> <small>(26 55 53 11-0192)</small>	
26 55 53 11-0194	EA 250 Watt High Pressure Sodium PM/PN Series Ruud Flood Light .....	563.45
26 55 53 11-0195	EA 400 Watt High Pressure Sodium PM/PN Series Ruud Flood Light .....	576.39
26 55 53 11-0196	<b>Metal Halide PM/PN Series Ruud Flood Lights</b> <small>(26 55 53 11-0192)</small>	
26 55 53 11-0197	EA 175 Watt Metal Halide PM/PN Series Ruud Flood Light .....	535.00
26 55 53 11-0198	EA 250 Watt Metal Halide PM/PN Series Ruud Flood Light .....	537.58
26 55 53 11-0199	EA 400 Watt Metal Halide PM/PN Series Ruud Flood Light .....	545.35
26 55 53 11-0200	EA 1,000 Watt Metal Halide PM/PN Series Ruud Flood Light .....	785.86
26 55 53 11-0201	<b>Accessories For Ruud Flood Lighting</b> <small>(26 55 53 11-0113)</small>	
26 55 53 11-0202	EA Wireguard For Ruud Flood Light .....	60.68
26 55 53 11-0203	EA Deep Baffle (Full Visor) For Ruud Flood Light .....	95.60
26 55 53 11-0204	EA Glare Guard (Upper Visor) For Ruud Flood Light .....	69.73
26 55 53 11-0205	EA Vandal Shield For Ruud Flood Light .....	82.67
26 55 53 11-0206	EA Pipe Mounting Bracket For Ruud Flood Light .....	167.83
26 55 53 11-0207	EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Ruud Flood Light .....	52.92
26 55 53 11-0208	<b>Lumark Flood Lights</b> <small>(26 55 53 11)</small>	
26 55 53 11-0209	<b>QZ Wedge Series Quartz Lumark Flood Lights</b> <small>(26 55 53 11-0208)</small>	
Note: For small outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0210	EA 500 Watt QZ Wedge Series Quartz Lumark Flood Light .....	150.30

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 55</b>	<b>Special Purpose Lighting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0211	<b>LQL Series Quartz Lumark Flood Lights</b> <small>(26 55 53 11-0208)</small> Note: For medium size outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.	
26 55 53 11-0212 EA	1,500 Watt LQL Series Quartz Lumark Flood Light .....	188.46 61.93
26 55 53 11-0213	<b>Kim Lighting</b> <small>(26 55 53 11)</small>	
26 55 53 11-0214	<b>MicroFlood® Series Kim Lighting Flood Lights</b> <small>(26 55 53 11-0213)</small> Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.	
26 55 53 11-0215	<b>LED MicroFlood® Series Kim Lighting Flood Lights</b> <small>(26 55 53 11-0214)</small>	
26 55 53 11-0216 EA	5 Watt LED MicroFlood® Series Kim Lighting Flood Light.....	306.06 25.73
26 55 53 11-0217 EA	15 Watt LED MicroFlood® Series Kim Lighting Flood Light.....	377.82 25.73
26 55 53 11-0218	<b>Scarab® Series Kim Lighting Flood Lights</b> <small>(26 55 53 11-0213)</small> Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.	
26 55 53 11-0219	<b>LED Scarab® Series Kim Lighting Accent Flood Lights</b> <small>(26 55 53 11-0218)</small> Note: Spot or narrow style accent flood lights.	
26 55 53 11-0220 EA	6 Watt LED Scarab® Series Kim Lighting Accent Flood Light.....	466.10 25.73
26 55 53 11-0221	<b>Magniflood Flood Lights</b> <small>(26 55 53 11)</small>	
26 55 53 11-0222	<b>Metal Halide Magni-Lite Series Magniflood Flood Lights</b> <small>(26 55 53 11-0221)</small> Note: Includes narrow beam reflector, 3/8" vandal shield, 6' 14/3 SO-WA cord, bronze powder coat finish, stainless steel hardware, and 3/16" tempered glass lens.	
26 55 53 11-0223 EA	175 Watt Metal Halide Flood Light, Aluminum Housing .....	849.96 92.24
26 55 53 11-0224 EA	250 Watt Metal Halide Flood Light, Aluminum Housing .....	891.95 100.62
26 55 53 11-0225 EA	400 Watt Metal Halide Flood Light, Aluminum Housing .....	927.51 100.62
26 55 53 11-0226	<b>High Pressure Sodium Magni-Lite Series Magniflood Flood Lights</b> <small>(26 55 53 11-0221)</small> Note: Includes narrow beam reflector, 3/8" vandal shield, 6' 14/3 SO-WA cord, bronze powder coat finish, stainless steel hardware, and 3/16" tempered glass lens.	
26 55 53 11-0227 EA	100 Watt High Pressure Sodium Flood Light, Aluminum Housing .....	785.42 110.07
26 55 53 11-0228 EA	150 Watt High Pressure Sodium Flood Light, Aluminum Housing .....	810.43 110.07
26 55 53 11-0229 EA	250 Watt High Pressure Sodium Flood Light, Aluminum Housing .....	877.88 110.07
26 55 53 11-0230 EA	400 Watt High Pressure Sodium Flood Light, Aluminum Housing .....	915.47 110.07
26 55 53 11-0231	<b>Accessories</b> <small>(26 55 53 11-0221)</small> Note: Magniflood Inc. model numbers. Includes drilling and fasteners.	
26 55 53 11-0232 EA	Galvanized Parapet Mounting Bracket, MF-2116 .....	405.75 24.85
26 55 53 11-0233 EA	Galvanized Parapet Mounting Bracket, MF-2158 .....	405.75 24.85
26 55 53 11-0234 EA	Galvanized Parapet Mounting Bracket, MF-2159 .....	405.75 24.85
26 55 53 11-0235 EA	Galvanized Parapet Mounting Bracket, MF-2160 .....	519.16 24.85
26 55 53 11-0236 EA	Galvanized Parapet Mounting Bracket, MF-2161 .....	535.37 24.85
26 55 53 11-0237 EA	Galvanized Parapet Mounting Bracket, MF-2162 .....	454.35 24.85
26 55 53 11-0238 EA	Galvanized Parapet Mounting Bracket, MF-2164 .....	559.67 24.85
26 55 53 11-0239 EA	Galvanized Parapet Mounting Bracket, MF-2165 .....	486.76 24.85
26 55 53 11-0240 EA	Galvanized Parapet Mounting Bracket, MF-2166 With Remote Ballast Box.....	535.37 24.85
26 55 53 11-0241 EA	Galvanized Parapet Mounting Bracket, MF-2167 .....	592.07 24.85
26 55 53 11-0242 EA	Galvanized Parapet Mounting Bracket, MF-2167-1 .....	592.07 24.85
26 55 53 11-0243 EA	Galvanized Parapet Mounting Bracket, MF-2167-2 .....	592.07 24.85
26 55 53 11-0244 EA	Galvanized Parapet Mounting Bracket, MF-2168 .....	462.46 24.85
26 55 53 11-0245 EA	Galvanized Parapet Mounting Bracket, MF-2168-1 .....	462.46 24.85
26 55 53 11-0246 EA	Galvanized Parapet Mounting Bracket, MF-2168-2 .....	462.46 24.85
26 55 53 11-0247	<b>CREE® BetaLED® Flood Lights</b> <small>(26 55 53 11)</small>	
26 55 53 11-0248	<b>Yoke Mount, Square, LED Flood Lights (CREE® BetaLED® FLD-304)</b> <small>(26 55 53 11-0247)</small> Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.	
26 55 53 11-0249 EA	40 LEDs, 47 System Watts, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	901.78 74.21
26 55 53 11-0250 EA	60 LEDs, 68 System Watts, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	989.77 78.33
26 55 53 11-0251	<b>Adjustable Arm Mount, Rectangular, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDG)</b> <small>(26 55 53 11-0247)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.	
26 55 53 11-0252 EA	20 LEDs, 26 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	779.44 70.08
	<i>For 480 Volt, Add</i>	<i>60.32</i>



<b>Electrical</b>	<b>26</b>	
<b>Lighting</b>	<b>26 50</b>	<b>26</b>
<b>Special Purpose Lighting</b>	<b>26 55</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0253	EA		40 LEDs, 47 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	989.77	74.21
			<i>For 480 Volt, Add</i>	60.32	
26 55 53 11-0254	EA		60 LEDs, 68 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,200.11	78.33
			<i>For 480 Volt, Add</i>	60.32	
26 55 53 11-0255	EA		80 LEDs, 90 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,491.56	82.46
			<i>For 480 Volt, Add</i>	60.32	
26 55 53 11-0256	EA		100 LEDs, 111 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,701.90	86.57
			<i>For 480 Volt, Add</i>	60.32	
26 55 53 11-0257	EA		120 LEDs, 132 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,912.23	90.70
			<i>For 480 Volt, Add</i>	60.32	
26 55 53 11-0258	EA		140 LEDs, 157 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,187.18	94.82
			<i>For 480 Volt, Add</i>	60.32	
26 55 53 11-0259	EA		160 LEDs, 179 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,397.51	98.95
			<i>For 480 Volt, Add</i>	60.32	
<b>26 55 53 11-0260</b>			<b>Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® Edge® FLD-EHO)</b> <small>(26 55 53 11-0247)</small>		
			Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0261	EA		120 LEDs, 267 System Watts, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO) .....	1,831.12	90.70
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.21	
			<i>For Bird Spikes, Add</i>	34.61	
			<i>For 5,000K Color Temperature, Add</i>	40.54	
			<i>For Fuse, Add</i>	48.64	
			<i>For 0 To 10 Volt Dimming, Add</i>	48.64	
			<i>For 480 Volt, Add</i>	72.97	
			<i>For Multi-Level, Add</i>	105.39	
			<i>For 1,000mA Driver, Add</i>	136.20	
26 55 53 11-0262	EA		240 LEDs, 533 System Watts, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO) .....	3,132.20	111.32
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.21	
			<i>For 5,000K Color Temperature, Add</i>	40.54	
			<i>For Fuse, Add</i>	48.64	
			<i>For 0 To 10 Volt Dimming, Add</i>	48.64	
			<i>For Bird Spikes, Add</i>	52.00	
			<i>For Multi-Level, Add</i>	105.39	
			<i>For 1,000mA Driver, Add</i>	136.20	
			<i>For 480 Volt, Add</i>	145.92	
<b>26 55 53 11-0263</b>			<b>Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® OSQ™)</b> <small>(26 55 53 11-0247)</small>		
			Note: UL wet listed. Includes 3,000K or 4,000K or 5,700K color temperature, 120/277 voltage, Class 1 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0264	EA		112 System Watts, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-A-XXX-US-UL) .....	1,049.67	90.70
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.21	
			<i>For Front Facing Optics, Back Light Shield, Add</i>	26.09	
			<i>For Rotated Optics, Back Light Shield, Add</i>	26.09	
			<i>For Field Adjustable Output, Add</i>	24.33	
			<i>For Fuse, Add</i>	48.64	
			<i>For 0 To 10 Volt Dimming, Add</i>	48.64	
			<i>For Multi-Level, Add</i>	105.39	
26 55 53 11-0265	EA		168 System Watts, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-J-XXX-US-UL) .....	1,126.29	90.70
			Note: Type III, IV or V medium optics only.		
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.21	
			<i>For Front Facing Optics, Back Light Shield, Add</i>	26.09	
			<i>For Rotated Optics, Back Light Shield, Add</i>	26.09	
			<i>For Field Adjustable Output, Add</i>	24.33	
			<i>For Fuse, Add</i>	48.64	
			<i>For 0 To 10 Volt Dimming, Add</i>	48.64	
			<i>For Type II Medium Or Type V Short Optics, Add</i>	-53.80	
			<i>For Multi-Level, Add</i>	105.39	
26 55 53 11-0266	EA		223 System Watts, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-S-XXX-US-UL) .....	1,448.43	111.32
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.21	
			<i>For Field Adjustable Output, Add</i>	24.33	
			<i>For Front Facing Optics, Back Light Shield, Add</i>	31.56	
			<i>For Rotated Optics, Back Light Shield, Add</i>	31.56	
			<i>For Fuse, Add</i>	48.64	
			<i>For 0 To 10 Volt Dimming, Add</i>	48.64	
			<i>For Multi-Level, Add</i>	105.39	

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 55</b>	<b>Special Purpose Lighting</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0267			<b>PlanLED Flood Lights</b> <small>(26 55 53 11)</small>		
26 55 53 11-0268			<b>Adjustable Arm Mount, LED Flood Lights (PlanLED WAPA)</b> <small>(26 55 53 11-0267)</small>		
26 55 53 11-0269	EA		6,250 Lumens, 50 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP050) .....	380.37	74.21
26 55 53 11-0270	EA		9,375 Lumens, 75 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP075) .....	454.05	78.33
26 55 53 11-0271	EA		12,500 Lumens, 100 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP100).....	523.51	84.52
26 55 53 11-0272			<b>Adjustable Arm Mount, LED Sports Flood Lights (PlanLED SUFA)</b> <small>(26 55 53 11-0267)</small>		
26 55 53 11-0273	EA		21,000 Lumens, 200 System Watts, LED Sports Flood Light (PlanLED SUFA SF200).....	1,061.39	164.91
			<i>For 0 To 10 Volt Dimming, Add</i>	50.95	
26 55 53 11-0274	EA		42,000 Lumens, 400 System Watts, LED Sports Flood Light (PlanLED SUFA SF400).....	1,638.32	164.91
			<i>For 0 To 10 Volt Dimming, Add</i>	50.95	
26 55 53 11-0275	EA		84,000 Lumens, 800 System Watts, LED Sports Flood Light (PlanLED SUFA SF800).....	2,880.20	164.91
			<i>For 0 To 10 Volt Dimming, Add</i>	50.95	
26 55 53 11-0276			<b>Adjustable Arm Mount, LED High Mast Flood Lights (PlanLED MAHA)</b> <small>(26 55 53 11-0267)</small>		
26 55 53 11-0277	EA		26,000 Lumens, 200 System Watts, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA200).....	936.43	107.19
			<i>For 0 To 10 Volt Dimming, Add</i>	50.95	
			<i>For 480 Volt, Add</i>	-20.19	
26 55 53 11-0278	EA		39,000 Lumens, 300 System Watts, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA300).....	1,196.87	111.32
			<i>For 0 To 10 Volt Dimming, Add</i>	50.95	
			<i>For 480 Volt, Add</i>	61.43	
26 55 53 11-0279	EA		52,000 Lumens, 400 System Watts, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA400).....	1,525.09	115.44
			<i>For 0 To 10 Volt Dimming, Add</i>	50.95	
			<i>For 480 Volt, Add</i>	49.31	
<b>26 55 53 12</b>			<b>Security Hazardous Location Flood Lights</b> <small>(26 55 53)</small>		
			Note: For general to heavy industrial applications in marine and corrosive environments. Class 1 Division 2.		
26 55 53 12-0001			<b>Lithonia Hazardous Location Flood Lights</b> <small>(26 55 53 12)</small>		
26 55 53 12-0002			<b>HFR (Horizontally Oriented Mogul Base) Series Hazardous Location Flood Lights</b> <small>(26 55 53 12-0001)</small>		
			Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0003			<b>High Pressure Sodium HFR Series Hazardous Location Flood Lights</b> <small>(26 55 53 12-0002)</small>		
26 55 53 12-0004	EA		150 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....	592.35	82.56
26 55 53 12-0005	EA		250 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....	632.45	82.56
26 55 53 12-0006	EA		400 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....	593.65	82.56
26 55 53 12-0007			<b>Metal Halide HFR Series Lithonia Hazardous Location Flood Lights</b> <small>(26 55 53 12-0002)</small>		
26 55 53 12-0008	EA		250 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....	628.17	82.56
26 55 53 12-0009	EA		400 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....	609.17	82.56
26 55 53 12-0010			<b>HFM (Medium Base) Series Hazardous Location Flood Lights</b> <small>(26 55 53 12-0001)</small>		
			Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0011			<b>High Pressure Sodium HFM Series Lithonia Hazardous Location Flood Lights</b> <small>(26 55 53 12-0010)</small>		
26 55 53 12-0012	EA		100 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	564.79	82.56
26 55 53 12-0013	EA		150 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	588.72	82.56
26 55 53 12-0014			<b>Metal Halide HFM Series Lithonia Hazardous Location Flood Lights</b> <small>(26 55 53 12-0010)</small>		
26 55 53 12-0015	EA		175 Watt Metal Halide HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	500.12	82.56
26 55 53 12-0016			<b>HFA (Large) Series Hazardous Location Flood Lights</b> <small>(26 55 53 12-0001)</small>		
			Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0017			<b>High Pressure Sodium HFA Series Lithonia Hazardous Location Flood Lights</b> <small>(26 55 53 12-0016)</small>		
26 55 53 12-0018	EA		250 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....	797.50	103.21
26 55 53 12-0019	EA		400 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....	809.14	103.21
26 55 53 12-0020			<b>Metal Halide HFA Series Lithonia Hazardous Location Flood Lights</b> <small>(26 55 53 12-0016)</small>		
26 55 53 12-0021	EA		250 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....	793.62	103.21



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Special Purpose Lighting</b>	<b>26 55</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 12-0022 EA 400 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....	809.14	103.21
<b>26 55 53 12-0023 HFL (Medium) Series Hazardous Location Flood Lights</b> <small>(26 55 53 12-0001)</small> Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
<b>26 55 53 12-0024 High Pressure Sodium HFL Series Lithonia Hazardous Location Flood Lights</b> <small>(26 55 53 12-0023)</small>		
26 55 53 12-0025 EA 400 Watt High Pressure Sodium HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	593.20	92.88
<b>26 55 53 12-0026 Metal Halide HFL Series Lithonia Hazardous Location Flood Lights</b> <small>(26 55 53 12-0023)</small>		
26 55 53 12-0027 EA 400 Watt Metal Halide HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	638.47	92.88
<b>26 55 53 12-0028 Accessories For Lithonia Hazardous Location Flood Lights</b> <small>(26 55 53 12-0001)</small> See CSI section 26 55 53 11-0099 for accessories.		
<b>26 55 53 13 Security High Performance Flood Lights</b> <small>(26 55 53)</small> Note: For airport aprons and parking areas.		
<b>26 55 53 13-0001 Lithonia High Performance Flood Lights</b> <small>(26 55 53 13)</small>		
<b>26 55 53 13-0002 170S Series Lithonia High Performance Flood Lights</b> <small>(26 55 53 13-0001)</small> Note: Die-cast aluminum housing welded seams, stainless steel hardware, corrosion resistant polyester powder finish, and thermal and shock resistant flat lens.		
<b>26 55 53 13-0003 High Pressure Sodium 170S Series Lithonia High Performance Flood Lights</b> <small>(26 55 53 13-0002)</small>		
26 55 53 13-0004 EA 250 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light .....	1,371.66	123.85
26 55 53 13-0005 EA 400 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light .....	1,477.72	123.85
26 55 53 13-0006 EA 750 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light .....	1,482.90	123.85
26 55 53 13-0007 EA 1,000 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light .....	1,644.57	123.85
<b>26 55 53 13-0008 Metal Halide 170S Series Lithonia High Performance Flood Lights</b> <small>(26 55 53 13-0002)</small>		
26 55 53 13-0009 EA 320 Watt Metal Halide 170S Series Lithonia High Performance Flood Light .....	1,577.32	123.85
26 55 53 13-0010 EA 350 Watt Metal Halide 170S Series Lithonia High Performance Flood Light .....	1,505.60	123.85
26 55 53 13-0011 EA 400 Watt Metal Halide 170S Series Lithonia High Performance Flood Light .....	1,437.63	123.85
26 55 53 13-0012 EA 1,000 Watt Metal Halide 170S Series Lithonia High Performance Flood Light .....	1,504.88	123.85
<b>26 55 53 13-0013 Accessories For Lithonia High Performance Flood Lights</b> <small>(26 55 53 13-0002)</small> See CSI section 26 55 53 11-0099 for accessories.		
<b>26 55 61 Theatrical Lighting</b> <small>(26 55)</small>		
<b>26 55 61 00-0001 Stage Lighting</b> <small>(26 55 61)</small>		
26 55 61 00-0002 EA Ellipsoidal Spotlight, Two 6" x 9" Lenses .....	370.89	89.22
Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20A, 3W ground, male pin connector and high performance lamp.		
26 55 61 00-0003 EA Ellipsoidal Spotlight, Two 6" x 12" Lenses .....	370.89	89.22
Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20A, 3W ground, male pin connector and high performance lamp.		
26 55 61 00-0004 EA Ellipsoidal Spotlight, Two 6" x 16" Lenses .....	370.89	89.22
Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20A, 3W ground, male pin connector and high performance lamp.		
26 55 61 00-0005 EA 14" Scoop Floodlight Altman #SC14.....	382.29	89.22
26 55 61 00-0006 EA 6" Diameter Fresnel Spotlight, Spherical Specular Alzak .....	263.83	89.22
Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, c-clamp, safety cable, color frame, male pin connector and lamp.		
26 55 61 00-0007 EA 8" Diameter Fresnel Spotlight, Spherical Specular Alzak .....	428.58	89.22
Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, C-clamp, safety cable, color frame, male pin connector and lamp.		
26 55 61 00-0008 EA Follow Spotlight With Steel Chassis And Lightweight.....	1,274.94	89.22
Note: Aluminum housing, includes lamp adjustment plate, silent lamp fan, dowsler, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.		
26 55 61 00-0009 EA Follow Spotlight With Steel Chassis And Lightweight.....	1,534.26	89.22
Note: Aluminum housing, includes lamp adjustment plate, ballast, electronic power supply, stepdown transformer, silent lamp fan, dowsler, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.		
26 55 61 00-0010 EA PAR 64 Can Lighting With 20 Gauge Sheet Steel .....	223.33	89.22
Note: Formed lamp housing, hinged and latched rear housing secured by retention ring, safety cable, safety screen, PAR 64 lamp, male pin connector.		
26 55 61 00-0011 EA 6' Long Borderlight Sections.....	751.03	89.22
Note: With continuous sheet steel housing, supported by 1-1/2" x 3/16" steel yoke with C-clamp, includes 30 lights per section wired on 3 circuits, alzak aluminum reflector with matte finish.		
26 55 61 00-0012 EA 1,000 Watt, 25 To 125' Throw, Follow Spotlight (Times Square Lighting QF1000S) .....	1,629.17	89.22
<b>26 55 65 Gymnasium Lighting</b> <small>(26 55)</small>		
<b>26 55 65 00-0001 Surface Mounted Gymnasium Fixtures</b> <small>(26 55 65)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 65 00-0002			<b>High Pressure Sodium, Surface Mounted, Gymnasium Fixtures</b> <small>(26 55 65 00-0001)</small> Note: Ceiling-Master by Magniflood. Includes flat polycarbonate lens. Heavy-duty .125" thick spun aluminum housing with a cast aluminum door frame. Corrosion-resistant hardware.		
26 55 65 00-0003	EA		100 Watt High Pressure Sodium, Surface Mounted, Gymnasium Fixture.....	717.55	29.35
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Strike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 55 65 00-0004	EA		150 Watt High Pressure Sodium, Surface Mounted, Gymnasium Fixture.....	716.55	29.35
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Strike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 55 65 00-0005	EA		250 Watt High Pressure Sodium, Surface Mounted, Gymnasium Fixture.....	716.55	29.35
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Strike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 55 65 00-0006	EA		400 Watt High Pressure Sodium, Surface Mounted, Gymnasium Fixture.....	715.06	29.35
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Strike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 55 65 00-0007			<b>Metal Halide, Surface Mounted, Gymnasium Fixtures</b> <small>(26 55 65 00-0001)</small> Note: Ceiling-Master by Magniflood. Includes flat polycarbonate lens. Heavy-duty .125" thick spun aluminum housing with a cast aluminum door frame. Corrosion-resistant hardware.		
26 55 65 00-0008	EA		100 Watt Metal Halide, Surface Mounted, Gymnasium Fixture .....	723.61	29.35
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Strike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 55 65 00-0009	EA		150 Watt Metal Halide, Surface Mounted, Gymnasium Fixture .....	722.74	29.35
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Strike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 55 65 00-0010	EA		250 Watt Metal Halide, Surface Mounted, Gymnasium Fixture .....	718.45	29.35
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Strike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 55 65 00-0011	EA		400 Watt Metal Halide, Surface Mounted, Gymnasium Fixture .....	723.98	29.35
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Strike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 55 65 00-0012			<b>Recessed Mounted Gymnasium Fixtures</b> <small>(26 55 65)</small>		
26 55 65 00-0013			<b>High Pressure Sodium, Recessed Mounted, Gymnasium Fixtures</b> <small>(26 55 65 00-0012)</small> Note: Ceiling-Master by Magniflood. Includes flat polycarbonate lens. Heavy-duty .125" thick spun aluminum housing with a cast aluminum door frame. Corrosion-resistant hardware.		
26 55 65 00-0014	EA		100 Watt High Pressure Sodium, Recessed Mounted, Gymnasium Fixture .....	801.12	29.35
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Strike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 55 65 00-0015	EA		150 Watt High Pressure Sodium, Recessed Mounted, Gymnasium Fixture .....	800.12	29.35
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Strike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 55 65 00-0016	EA		250 Watt High Pressure Sodium, Recessed Mounted, Gymnasium Fixture .....	800.12	29.35
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Strike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 55 65 00-0017	EA		400 Watt High Pressure Sodium, Recessed Mounted, Gymnasium Fixture .....	798.64	29.35
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Strike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 55 65 00-0018			<b>Metal Halide, Recessed Mounted, Gymnasium Fixtures</b> <small>(26 55 65 00-0012)</small> Note: Ceiling-Master by Magniflood. Includes flat polycarbonate lens. Heavy-duty .125" thick spun aluminum housing with a cast aluminum door frame. Corrosion-resistant hardware.		
26 55 65 00-0019	EA		100 Watt Metal Halide, Recessed Mounted, Gymnasium Fixture .....	807.19	29.35
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Strike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 55 65 00-0020	EA		150 Watt Metal Halide, Recessed Mounted, Gymnasium Fixture .....	806.31	29.35
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Strike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 55 65 00-0021	EA		250 Watt Metal Halide, Recessed Mounted, Gymnasium Fixture .....	802.03	29.35
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Strike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	
26 55 65 00-0022	EA		400 Watt Metal Halide, Recessed Mounted, Gymnasium Fixture .....	807.56	29.35
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Instant Quartz Strike, Add</i>	60.00	
			<i>For Polycarbonate Lens, Add</i>	47.75	



<b>Electrical</b>	<b>26</b>	<b>26</b>
Lighting	26 50	
Special Purpose Lighting	26 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**26 55 68 Athletic Field Lighting (26 55)**

26 55 68 00-0001	EA	Sports Lighting System (Musco®) (26 55 68)		
26 55 68 00-0002	EA	Galvanized Steel Poles With Precast Concrete Base (26 55 68 00-0001) Note: Includes installation of base, pole and top assembly. Includes grounding.		
26 55 68 00-0003	EA	40' Galvanized Steel Pole With Precast Concrete Base (Musco®) .....	8,276.10	1,509.23
26 55 68 00-0004	EA	50' Galvanized Steel Pole With Precast Concrete Base (Musco®) .....	8,418.00	1,509.23
26 55 68 00-0005	EA	60' Galvanized Steel Pole With Precast Concrete Base (Musco®) .....	8,938.29	1,509.23
26 55 68 00-0006	EA	70' Galvanized Steel Pole With Precast Concrete Base (Musco®) .....	9,760.43	1,660.15
26 55 68 00-0007	EA	80' Galvanized Steel Pole With Precast Concrete Base (Musco®) .....	11,039.19	1,660.15
26 55 68 00-0008	EA	Luminaires (26 55 68 00-0001) Note: Includes installation to pole top assembly, wiring and setup.		
26 55 68 00-0009	EA	Pole Top Luminaire For New Installations (Musco® Light-Structure Green™) .....	2,791.17	36.69
26 55 68 00-0010	EA	Pole Top Luminaire For Retrofit Applications (Musco® Light-Structure Green™) .....	2,717.80	36.69
26 55 68 00-0011	EA	Sports Lighting System (26 55 68) Note: Musco.		
26 55 68 00-0012	EA	Accessories (26 55 68 00-0011)		
26 55 68 00-0013	EA	Time Delay Kit (Musco®) .....	593.43	147.03
26 55 68 00-0014	EA	Remote Switch Box Push Button (Musco®) .....	1,192.17	147.03
26 55 68 00-0015	EA	Push Button Strobe Kit (Musco®) .....	1,431.66	147.03
26 55 68 00-0016	EA	Additional Control-Link Unit (Musco®) .....	6,869.56	441.09
26 55 68 00-0017	EA	Auxiliary Brackets For Speakers Or Egress Fixtures, For New Installations (Musco®) .....	745.49	73.38
26 55 68 00-0018	EA	Auxiliary Brackets For Speakers Or Egress Fixtures, For Retrofit Applications (Musco®) .....	892.25	146.75

**26 56 Exterior Lighting (26 50)**

**26 56 13 Lighting Poles And Standards (26 56)**

26 56 13 00-0001	EA	Poles And Standards (26 56 13) See CSI section 26 05 46 00-0001 for additional pole.		
26 56 13 00-0002	EA	Roadway Light Poles (26 56 13 00-0001) Note: Excludes lighting fixtures.		
26 56 13 00-0003	EA	Steel Roadway Light Poles (26 56 13 00-0002) Note: Includes prime painted finish, anchor bolts, steel base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		
26 56 13 00-0004	EA	Round Tapered, Steel Roadway Light Poles (26 56 13 00-0003)		
26 56 13 00-0005	EA	Round Tapered, Steel Roadway Light Poles With Upsweep Style Arms (26 56 13 00-0004)		
26 56 13 00-0006	EA	Round Tapered, Steel Roadway Light Poles With Single Upsweep Style Arm (26 56 13 00-0005)		
26 56 13 00-0007	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base .....	3,111.70	247.70
		For Galvanized Finish, Add	78.49	
		For >10 To 20, Deduct	-77.79	
		For >20 To 40, Deduct	-155.59	
		For >40, Deduct	-245.76	
26 56 13 00-0008	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base .....	3,118.16	247.70
		For Galvanized Finish, Add	78.68	
		For >10 To 20, Deduct	-77.95	
		For >20 To 40, Deduct	-155.91	
		For >40, Deduct	-246.25	
26 56 13 00-0009	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base .....	3,321.62	330.27
		For Galvanized Finish, Add	79.83	
		For >10 To 20, Deduct	-83.04	
		For >20 To 40, Deduct	-166.08	
		For >40, Deduct	-265.64	
26 56 13 00-0010	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base .....	3,399.38	330.27
		For Galvanized Finish, Add	82.17	
		For >10 To 20, Deduct	-84.98	
		For >20 To 40, Deduct	-169.97	
		For >40, Deduct	-271.47	
26 56 13 00-0011	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base .....	3,477.14	330.27
		For Galvanized Finish, Add	84.50	
		For >10 To 20, Deduct	-86.93	
		For >20 To 40, Deduct	-173.86	
		For >40, Deduct	-277.30	





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0012	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,576.07	371.55
			For Galvanized Finish, Add	84.99	
			For >10 To 20, Deduct	-89.40	
			For >20 To 40, Deduct	-178.80	
			For >40, Deduct	-286.78	
26 56 13 00-0013	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,612.95	371.55
			For Galvanized Finish, Add	86.10	
			For >10 To 20, Deduct	-90.32	
			For >20 To 40, Deduct	-180.65	
			For >40, Deduct	-289.55	
26 56 13 00-0014	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,619.96	371.55
			For Galvanized Finish, Add	86.31	
			For >10 To 20, Deduct	-90.50	
			For >20 To 40, Deduct	-181.00	
			For >40, Deduct	-290.07	
26 56 13 00-0015	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,792.15	392.19
			For Galvanized Finish, Add	90.23	
			For >10 To 20, Deduct	-94.80	
			For >20 To 40, Deduct	-189.61	
			For >40, Deduct	-304.02	
26 56 13 00-0016	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,820.00	392.19
			For Galvanized Finish, Add	91.07	
			For >10 To 20, Deduct	-95.50	
			For >20 To 40, Deduct	-191.00	
			For >40, Deduct	-306.11	
26 56 13 00-0017	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,850.41	392.19
			For Galvanized Finish, Add	91.98	
			For >10 To 20, Deduct	-96.26	
			For >20 To 40, Deduct	-192.52	
			For >40, Deduct	-308.39	
26 56 13 00-0018	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,436.43	412.83
			For Galvanized Finish, Add	108.32	
			For >10 To 20, Deduct	-110.91	
			For >20 To 40, Deduct	-221.82	
			For >40, Deduct	-353.37	
26 56 13 00-0019	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,446.34	412.83
			For Galvanized Finish, Add	108.62	
			For >10 To 20, Deduct	-111.16	
			For >20 To 40, Deduct	-222.32	
			For >40, Deduct	-354.12	
26 56 13 00-0020	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,456.14	412.83
			For Galvanized Finish, Add	108.91	
			For >10 To 20, Deduct	-111.40	
			For >20 To 40, Deduct	-222.81	
			For >40, Deduct	-354.85	
26 56 13 00-0021			<b>Round Tapered, Steel Roadway Light Poles With Two Upsweep Style Arms</b> <small>(26 56 13 00-0005)</small>		
26 56 13 00-0022	EA		20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,899.97	288.99
			For Galvanized Finish, Add	99.66	
			For >10 To 20, Deduct	-97.50	
			For >20 To 40, Deduct	-195.00	
			For >40, Deduct	-306.95	
26 56 13 00-0023	EA		20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,962.17	299.30
			For Galvanized Finish, Add	100.91	
			For >10 To 20, Deduct	-99.05	
			For >20 To 40, Deduct	-198.11	
			For >40, Deduct	-312.13	
26 56 13 00-0024	EA		20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,014.12	309.62
			For Galvanized Finish, Add	101.85	
			For >10 To 20, Deduct	-100.35	
			For >20 To 40, Deduct	-200.71	
			For >40, Deduct	-316.54	
26 56 13 00-0025	EA		25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,795.75	371.55
			For Galvanized Finish, Add	91.58	
			For >10 To 20, Deduct	-94.89	
			For >20 To 40, Deduct	-189.79	
			For >40, Deduct	-303.26	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0026	EA		25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,832.88	381.87
			<i>For Galvanized Finish, Add</i>	92.07	
			<i>For &gt;10 To 20, Deduct</i>	-95.82	
			<i>For &gt;20 To 40, Deduct</i>	-191.64	
			<i>For &gt;40, Deduct</i>	-306.56	
26 56 13 00-0027	EA		25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,860.21	392.19
			<i>For Galvanized Finish, Add</i>	92.27	
			<i>For &gt;10 To 20, Deduct</i>	-96.51	
			<i>For &gt;20 To 40, Deduct</i>	-193.01	
			<i>For &gt;40, Deduct</i>	-309.13	
26 56 13 00-0028	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,081.96	412.83
			<i>For Galvanized Finish, Add</i>	97.69	
			<i>For &gt;10 To 20, Deduct</i>	-102.05	
			<i>For &gt;20 To 40, Deduct</i>	-204.10	
			<i>For &gt;40, Deduct</i>	-326.79	
26 56 13 00-0029	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,112.62	423.15
			<i>For Galvanized Finish, Add</i>	97.99	
			<i>For &gt;10 To 20, Deduct</i>	-102.82	
			<i>For &gt;20 To 40, Deduct</i>	-205.63	
			<i>For &gt;40, Deduct</i>	-329.60	
26 56 13 00-0030	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	4,139.61	433.48
			<i>For Galvanized Finish, Add</i>	98.18	
			<i>For &gt;10 To 20, Deduct</i>	-103.49	
			<i>For &gt;20 To 40, Deduct</i>	-206.98	
			<i>For &gt;40, Deduct</i>	-332.14	
26 56 13 00-0031	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,336.56	433.48
			<i>For Galvanized Finish, Add</i>	104.09	
			<i>For &gt;10 To 20, Deduct</i>	-108.41	
			<i>For &gt;20 To 40, Deduct</i>	-216.83	
			<i>For &gt;40, Deduct</i>	-346.92	
26 56 13 00-0032	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,400.33	443.80
			<i>For Galvanized Finish, Add</i>	105.38	
			<i>For &gt;10 To 20, Deduct</i>	-110.01	
			<i>For &gt;20 To 40, Deduct</i>	-220.02	
			<i>For &gt;40, Deduct</i>	-352.21	
26 56 13 00-0033	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	4,461.84	454.12
			<i>For Galvanized Finish, Add</i>	106.61	
			<i>For &gt;10 To 20, Deduct</i>	-111.55	
			<i>For &gt;20 To 40, Deduct</i>	-223.09	
			<i>For &gt;40, Deduct</i>	-357.34	
26 56 13 00-0034	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,942.52	454.12
			<i>For Galvanized Finish, Add</i>	121.03	
			<i>For &gt;10 To 20, Deduct</i>	-123.56	
			<i>For &gt;20 To 40, Deduct</i>	-247.13	
			<i>For &gt;40, Deduct</i>	-393.39	
26 56 13 00-0035	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,969.63	464.43
			<i>For Galvanized Finish, Add</i>	121.22	
			<i>For &gt;10 To 20, Deduct</i>	-124.24	
			<i>For &gt;20 To 40, Deduct</i>	-248.48	
			<i>For &gt;40, Deduct</i>	-395.94	
26 56 13 00-0036	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	4,996.96	474.76
			<i>For Galvanized Finish, Add</i>	121.42	
			<i>For &gt;10 To 20, Deduct</i>	-124.92	
			<i>For &gt;20 To 40, Deduct</i>	-249.85	
			<i>For &gt;40, Deduct</i>	-398.51	
<b>26 56 13 00-0037</b>			<b>Round Tapered, Steel Roadway Light Poles With Three Upsweep Style Arms</b> <small>(26 56 13 00-0005)</small>		
26 56 13 00-0038	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,489.01	412.83
			<i>For Galvanized Finish, Add</i>	109.90	
			<i>For &gt;10 To 20, Deduct</i>	-112.23	
			<i>For &gt;20 To 40, Deduct</i>	-224.45	
			<i>For &gt;40, Deduct</i>	-357.32	
26 56 13 00-0039	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,536.86	433.48
			<i>For Galvanized Finish, Add</i>	110.10	
			<i>For &gt;10 To 20, Deduct</i>	-113.42	
			<i>For &gt;20 To 40, Deduct</i>	-226.84	
			<i>For &gt;40, Deduct</i>	-361.94	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0040	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,594.51	454.12
			<i>For Galvanized Finish, Add</i>	110.59	
			<i>For &gt;10 To 20, Deduct</i>	-114.86	
			<i>For &gt;20 To 40, Deduct</i>	-229.73	
			<i>For &gt;40, Deduct</i>	-367.29	
26 56	13 00-0041	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,735.77	454.12
			<i>For Galvanized Finish, Add</i>	114.83	
			<i>For &gt;10 To 20, Deduct</i>	-118.39	
			<i>For &gt;20 To 40, Deduct</i>	-236.79	
			<i>For &gt;40, Deduct</i>	-377.89	
26 56	13 00-0042	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,786.75	474.76
			<i>For Galvanized Finish, Add</i>	115.12	
			<i>For &gt;10 To 20, Deduct</i>	-119.67	
			<i>For &gt;20 To 40, Deduct</i>	-239.34	
			<i>For &gt;40, Deduct</i>	-382.74	
26 56	13 00-0043	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,834.60	495.40
			<i>For Galvanized Finish, Add</i>	115.31	
			<i>For &gt;10 To 20, Deduct</i>	-120.87	
			<i>For &gt;20 To 40, Deduct</i>	-241.73	
			<i>For &gt;40, Deduct</i>	-387.37	
26 56	13 00-0044	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	5,045.97	474.76
			<i>For Galvanized Finish, Add</i>	122.89	
			<i>For &gt;10 To 20, Deduct</i>	-126.15	
			<i>For &gt;20 To 40, Deduct</i>	-252.30	
			<i>For &gt;40, Deduct</i>	-402.19	
26 56	13 00-0045	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,093.83	495.40
			<i>For Galvanized Finish, Add</i>	123.09	
			<i>For &gt;10 To 20, Deduct</i>	-127.35	
			<i>For &gt;20 To 40, Deduct</i>	-254.69	
			<i>For &gt;40, Deduct</i>	-406.81	
26 56	13 00-0046	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	5,141.69	516.05
			<i>For Galvanized Finish, Add</i>	123.29	
			<i>For &gt;10 To 20, Deduct</i>	-128.54	
			<i>For &gt;20 To 40, Deduct</i>	-257.08	
			<i>For &gt;40, Deduct</i>	-411.43	
26 56	13 00-0047	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	5,448.63	495.40
			<i>For Galvanized Finish, Add</i>	133.73	
			<i>For &gt;10 To 20, Deduct</i>	-136.22	
			<i>For &gt;20 To 40, Deduct</i>	-272.43	
			<i>For &gt;40, Deduct</i>	-433.42	
26 56	13 00-0048	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,496.16	516.05
			<i>For Galvanized Finish, Add</i>	133.92	
			<i>For &gt;10 To 20, Deduct</i>	-137.40	
			<i>For &gt;20 To 40, Deduct</i>	-274.81	
			<i>For &gt;40, Deduct</i>	-438.01	
26 56	13 00-0049	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	5,550.58	536.68
			<i>For Galvanized Finish, Add</i>	134.32	
			<i>For &gt;10 To 20, Deduct</i>	-138.76	
			<i>For &gt;20 To 40, Deduct</i>	-277.53	
			<i>For &gt;40, Deduct</i>	-443.13	
26 56	13 00-0050		<b>Round Tapered, Steel Roadway Light Poles With Four Upsweep Style Arms</b> <small>(26 56 13 00-0005)</small>		
26 56	13 00-0051	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,998.33	454.12
			<i>For Galvanized Finish, Add</i>	122.70	
			<i>For &gt;10 To 20, Deduct</i>	-124.96	
			<i>For &gt;20 To 40, Deduct</i>	-249.92	
			<i>For &gt;40, Deduct</i>	-397.58	
26 56	13 00-0052	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,070.07	485.08
			<i>For Galvanized Finish, Add</i>	123.00	
			<i>For &gt;10 To 20, Deduct</i>	-126.75	
			<i>For &gt;20 To 40, Deduct</i>	-253.50	
			<i>For &gt;40, Deduct</i>	-404.51	
26 56	13 00-0053	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,138.46	516.05
			<i>For Galvanized Finish, Add</i>	123.19	
			<i>For &gt;10 To 20, Deduct</i>	-128.46	
			<i>For &gt;20 To 40, Deduct</i>	-256.92	
			<i>For &gt;40, Deduct</i>	-411.19	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0054	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,285.32	495.40
			<i>For Galvanized Finish, Add</i>	128.84	
			<i>For &gt;10 To 20, Deduct</i>	-132.13	
			<i>For &gt;20 To 40, Deduct</i>	-264.27	
			<i>For &gt;40, Deduct</i>	-421.17	
26 56	13 00-0055	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,354.16	526.36
			<i>For Galvanized Finish, Add</i>	129.04	
			<i>For &gt;10 To 20, Deduct</i>	-133.85	
			<i>For &gt;20 To 40, Deduct</i>	-267.71	
			<i>For &gt;40, Deduct</i>	-427.88	
26 56	13 00-0056	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	5,385.12	557.33
			<i>For Galvanized Finish, Add</i>	128.11	
			<i>For &gt;10 To 20, Deduct</i>	-134.63	
			<i>For &gt;20 To 40, Deduct</i>	-269.26	
			<i>For &gt;40, Deduct</i>	-431.75	
26 56	13 00-0057	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,699.68	516.05
			<i>For Galvanized Finish, Add</i>	140.03	
			<i>For &gt;10 To 20, Deduct</i>	-142.49	
			<i>For &gt;20 To 40, Deduct</i>	-284.98	
			<i>For &gt;40, Deduct</i>	-453.28	
26 56	13 00-0058	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,812.85	547.01
			<i>For Galvanized Finish, Add</i>	141.57	
			<i>For &gt;10 To 20, Deduct</i>	-145.32	
			<i>For &gt;20 To 40, Deduct</i>	-290.64	
			<i>For &gt;40, Deduct</i>	-463.31	
26 56	13 00-0059	EA	35' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	5,840.13	577.96
			<i>For Galvanized Finish, Add</i>	140.53	
			<i>For &gt;10 To 20, Deduct</i>	-146.00	
			<i>For &gt;20 To 40, Deduct</i>	-292.01	
			<i>For &gt;40, Deduct</i>	-466.91	
26 56	13 00-0060	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,954.40	536.68
			<i>For Galvanized Finish, Add</i>	146.43	
			<i>For &gt;10 To 20, Deduct</i>	-148.86	
			<i>For &gt;20 To 40, Deduct</i>	-297.72	
			<i>For &gt;40, Deduct</i>	-473.41	
26 56	13 00-0061	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	6,022.78	567.65
			<i>For Galvanized Finish, Add</i>	146.62	
			<i>For &gt;10 To 20, Deduct</i>	-150.57	
			<i>For &gt;20 To 40, Deduct</i>	-301.14	
			<i>For &gt;40, Deduct</i>	-480.09	
26 56	13 00-0062	EA	40' High, 10.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	6,094.52	598.61
			<i>For Galvanized Finish, Add</i>	146.92	
			<i>For &gt;10 To 20, Deduct</i>	-152.36	
			<i>For &gt;20 To 40, Deduct</i>	-304.73	
			<i>For &gt;40, Deduct</i>	-487.02	
26 56	13 00-0063		Round Tapered, Steel Roadway Light Poles With Davit Style Arm <small>(26 56 13 00-0064)</small>		
26 56	13 00-0064		Round Tapered, Steel Roadway Light Poles With Single Davit Style Arm <small>(26 56 13 00-0063)</small>		
26 56	13 00-0065	EA	25' High, 6.4" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	3,562.25	330.27
			<i>For Galvanized Finish, Add</i>	87.05	
			<i>For &gt;10 To 20, Deduct</i>	-89.06	
			<i>For &gt;20 To 40, Deduct</i>	-178.11	
			<i>For &gt;40, Deduct</i>	-283.68	
26 56	13 00-0066	EA	30' High, 7.1" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	4,033.70	371.55
			<i>For Galvanized Finish, Add</i>	98.72	
			<i>For &gt;10 To 20, Deduct</i>	-100.84	
			<i>For &gt;20 To 40, Deduct</i>	-201.69	
			<i>For &gt;40, Deduct</i>	-321.11	
26 56	13 00-0067	EA	35' High, 7.8" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	4,129.13	392.19
			<i>For Galvanized Finish, Add</i>	100.34	
			<i>For &gt;10 To 20, Deduct</i>	-103.23	
			<i>For &gt;20 To 40, Deduct</i>	-206.46	
			<i>For &gt;40, Deduct</i>	-329.29	
26 56	13 00-0068	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	5,000.99	412.83
			<i>For Galvanized Finish, Add</i>	125.26	
			<i>For &gt;10 To 20, Deduct</i>	-125.02	
			<i>For &gt;20 To 40, Deduct</i>	-250.05	
			<i>For &gt;40, Deduct</i>	-395.72	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0069			Round Tapered, Steel Roadway Light Poles With Truss Style Arms <sup>(26 56 13 00-0004)</sup>		
26 56 13 00-0070			Round Tapered, Steel Roadway Light Poles With Single Truss Style Arm <sup>(26 56 13 00-0009)</sup>		
26 56 13 00-0071	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,723.80	330.27
			For Galvanized Finish, Add	121.90	
			For >10 To 20, Deduct	-118.10	
			For >20 To 40, Deduct	-236.19	
			For >40, Deduct	-370.80	
26 56 13 00-0072	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,773.59	330.27
			For Galvanized Finish, Add	123.39	
			For >10 To 20, Deduct	-119.34	
			For >20 To 40, Deduct	-238.68	
			For >40, Deduct	-374.53	
26 56 13 00-0073	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,796.32	330.27
			For Galvanized Finish, Add	124.07	
			For >10 To 20, Deduct	-119.91	
			For >20 To 40, Deduct	-239.82	
			For >40, Deduct	-376.24	
26 56 13 00-0074	EA		30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,856.15	371.55
			For Galvanized Finish, Add	123.39	
			For >10 To 20, Deduct	-121.40	
			For >20 To 40, Deduct	-242.81	
			For >40, Deduct	-382.79	
26 56 13 00-0075	EA		30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,864.84	371.55
			For Galvanized Finish, Add	123.65	
			For >10 To 20, Deduct	-121.62	
			For >20 To 40, Deduct	-243.24	
			For >40, Deduct	-383.44	
26 56 13 00-0076	EA		30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,954.63	371.55
			For Galvanized Finish, Add	126.35	
			For >10 To 20, Deduct	-123.87	
			For >20 To 40, Deduct	-247.73	
			For >40, Deduct	-390.17	
26 56 13 00-0077	EA		35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,926.96	392.19
			For Galvanized Finish, Add	124.28	
			For >10 To 20, Deduct	-123.17	
			For >20 To 40, Deduct	-246.35	
			For >40, Deduct	-389.13	
26 56 13 00-0078	EA		35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,979.54	392.19
			For Galvanized Finish, Add	125.85	
			For >10 To 20, Deduct	-124.49	
			For >20 To 40, Deduct	-248.98	
			For >40, Deduct	-393.08	
26 56 13 00-0079	EA		35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,255.25	392.19
			For Galvanized Finish, Add	134.13	
			For >10 To 20, Deduct	-131.38	
			For >20 To 40, Deduct	-262.76	
			For >40, Deduct	-413.75	
26 56 13 00-0080			Round Tapered, Steel Roadway Light Poles With Two Truss Style Arms <sup>(26 56 13 00-0069)</sup>		
26 56 13 00-0081	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	6,213.68	412.83
			For Galvanized Finish, Add	161.64	
			For >10 To 20, Deduct	-155.34	
			For >20 To 40, Deduct	-310.68	
			For >40, Deduct	-486.67	
26 56 13 00-0082	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	6,302.63	433.48
			For Galvanized Finish, Add	163.07	
			For >10 To 20, Deduct	-157.57	
			For >20 To 40, Deduct	-315.13	
			For >40, Deduct	-494.37	
26 56 13 00-0083	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,531.06	454.12
			For Galvanized Finish, Add	168.68	
			For >10 To 20, Deduct	-163.28	
			For >20 To 40, Deduct	-326.55	
			For >40, Deduct	-512.54	
26 56 13 00-0084	EA		30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	6,268.61	454.12
			For Galvanized Finish, Add	160.81	
			For >10 To 20, Deduct	-156.72	
			For >20 To 40, Deduct	-313.43	
			For >40, Deduct	-492.85	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0085	EA		30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	6,556.20	474.76
			<i>For Galvanized Finish, Add</i>	168.20	
			<i>For &gt;10 To 20, Deduct</i>	-163.91	
			<i>For &gt;20 To 40, Deduct</i>	-327.81	
			<i>For &gt;40, Deduct</i>	-515.45	
26 56 13 00-0086	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	6,718.68	495.40
			<i>For Galvanized Finish, Add</i>	171.84	
			<i>For &gt;10 To 20, Deduct</i>	-167.97	
			<i>For &gt;20 To 40, Deduct</i>	-335.93	
			<i>For &gt;40, Deduct</i>	-528.67	
26 56 13 00-0087	EA		35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	6,447.48	474.76
			<i>For Galvanized Finish, Add</i>	164.94	
			<i>For &gt;10 To 20, Deduct</i>	-161.19	
			<i>For &gt;20 To 40, Deduct</i>	-322.37	
			<i>For &gt;40, Deduct</i>	-507.30	
26 56 13 00-0088	EA		35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	6,840.11	495.40
			<i>For Galvanized Finish, Add</i>	175.48	
			<i>For &gt;10 To 20, Deduct</i>	-171.00	
			<i>For &gt;20 To 40, Deduct</i>	-342.01	
			<i>For &gt;40, Deduct</i>	-537.78	
26 56 13 00-0089	EA		35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	7,061.86	516.05
			<i>For Galvanized Finish, Add</i>	180.89	
			<i>For &gt;10 To 20, Deduct</i>	-176.55	
			<i>For &gt;20 To 40, Deduct</i>	-353.09	
			<i>For &gt;40, Deduct</i>	-555.44	
26 56 13 00-0090			<b>Aluminum Roadway Light Poles</b> <small>(26 56 13 00-0092)</small> Note: Includes satin finish, anchor bolts, cast aluminum base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		
26 56 13 00-0091			<b>Round Tapered, Aluminum Roadway Light Poles</b> <small>(26 56 13 00-0090)</small>		
26 56 13 00-0092			<b>Round Tapered, Aluminum Roadway Light Poles With Upsweep Style Arms</b> <small>(26 56 13 00-0091)</small>		
26 56 13 00-0093			<b>Round Tapered, Aluminum Roadway Light Poles With Single Upsweep Style Arm</b> <small>(26 56 13 00-0092)</small>		
26 56 13 00-0094	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	2,978.17	247.70
			<i>For &gt;10 To 20, Deduct</i>	-74.45	
			<i>For &gt;20 To 40, Deduct</i>	-148.91	
			<i>For &gt;40, Deduct</i>	-235.75	
26 56 13 00-0095	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,008.22	247.70
			<i>For &gt;10 To 20, Deduct</i>	-75.21	
			<i>For &gt;20 To 40, Deduct</i>	-150.41	
			<i>For &gt;40, Deduct</i>	-238.00	
26 56 13 00-0096	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,596.97	330.27
			<i>For &gt;10 To 20, Deduct</i>	-89.92	
			<i>For &gt;20 To 40, Deduct</i>	-179.85	
			<i>For &gt;40, Deduct</i>	-286.29	
26 56 13 00-0097	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,653.76	330.27
			<i>For &gt;10 To 20, Deduct</i>	-91.34	
			<i>For &gt;20 To 40, Deduct</i>	-182.69	
			<i>For &gt;40, Deduct</i>	-290.55	
26 56 13 00-0098	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,705.98	330.27
			<i>For &gt;10 To 20, Deduct</i>	-92.65	
			<i>For &gt;20 To 40, Deduct</i>	-185.30	
			<i>For &gt;40, Deduct</i>	-294.46	
26 56 13 00-0099	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	4,144.16	371.55
			<i>For &gt;10 To 20, Deduct</i>	-103.60	
			<i>For &gt;20 To 40, Deduct</i>	-207.21	
			<i>For &gt;40, Deduct</i>	-329.39	
26 56 13 00-0100	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	4,192.07	371.55
			<i>For &gt;10 To 20, Deduct</i>	-104.80	
			<i>For &gt;20 To 40, Deduct</i>	-209.60	
			<i>For &gt;40, Deduct</i>	-332.98	
26 56 13 00-0101	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	4,245.66	371.55
			<i>For &gt;10 To 20, Deduct</i>	-106.14	
			<i>For &gt;20 To 40, Deduct</i>	-212.28	
			<i>For &gt;40, Deduct</i>	-337.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0102	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	4,943.48	392.19
			<i>For &gt;10 To 20, Deduct</i>	-123.59	
			<i>For &gt;20 To 40, Deduct</i>	-247.17	
			<i>For &gt;40, Deduct</i>	-390.37	
26 56	13 00-0103	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	4,991.27	392.19
			<i>For &gt;10 To 20, Deduct</i>	-124.78	
			<i>For &gt;20 To 40, Deduct</i>	-249.56	
			<i>For &gt;40, Deduct</i>	-393.96	
26 56	13 00-0104	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	5,031.31	392.19
			<i>For &gt;10 To 20, Deduct</i>	-125.78	
			<i>For &gt;20 To 40, Deduct</i>	-251.57	
			<i>For &gt;40, Deduct</i>	-396.96	
<b>26 56</b>	<b>13 00-0105</b>		<b>Round Tapered, Aluminum Roadway Light Poles With Two Upsweep Style Arms</b> <small>(26 56 13 00-0092)</small>		
26 56	13 00-0106	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,401.93	288.99
			<i>For &gt;10 To 20, Deduct</i>	-85.05	
			<i>For &gt;20 To 40, Deduct</i>	-170.10	
			<i>For &gt;40, Deduct</i>	-269.59	
26 56	13 00-0107	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,696.45	288.99
			<i>For &gt;10 To 20, Deduct</i>	-92.41	
			<i>For &gt;20 To 40, Deduct</i>	-184.82	
			<i>For &gt;40, Deduct</i>	-291.68	
26 56	13 00-0108	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,795.14	309.62
			<i>For &gt;10 To 20, Deduct</i>	-94.88	
			<i>For &gt;20 To 40, Deduct</i>	-189.76	
			<i>For &gt;40, Deduct</i>	-300.12	
26 56	13 00-0109	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,004.60	371.55
			<i>For &gt;10 To 20, Deduct</i>	-100.12	
			<i>For &gt;20 To 40, Deduct</i>	-200.23	
			<i>For &gt;40, Deduct</i>	-318.92	
26 56	13 00-0110	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,212.71	381.87
			<i>For &gt;10 To 20, Deduct</i>	-105.32	
			<i>For &gt;20 To 40, Deduct</i>	-210.64	
			<i>For &gt;40, Deduct</i>	-335.05	
26 56	13 00-0111	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	4,522.21	392.19
			<i>For &gt;10 To 20, Deduct</i>	-113.06	
			<i>For &gt;20 To 40, Deduct</i>	-226.11	
			<i>For &gt;40, Deduct</i>	-358.78	
26 56	13 00-0112	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,655.02	412.83
			<i>For &gt;10 To 20, Deduct</i>	-116.38	
			<i>For &gt;20 To 40, Deduct</i>	-232.75	
			<i>For &gt;40, Deduct</i>	-369.77	
26 56	13 00-0113	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,849.58	423.15
			<i>For &gt;10 To 20, Deduct</i>	-121.24	
			<i>For &gt;20 To 40, Deduct</i>	-242.48	
			<i>For &gt;40, Deduct</i>	-384.88	
26 56	13 00-0114	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	5,091.70	433.48
			<i>For &gt;10 To 20, Deduct</i>	-127.29	
			<i>For &gt;20 To 40, Deduct</i>	-254.59	
			<i>For &gt;40, Deduct</i>	-403.55	
26 56	13 00-0115	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	5,352.22	433.48
			<i>For &gt;10 To 20, Deduct</i>	-133.81	
			<i>For &gt;20 To 40, Deduct</i>	-267.61	
			<i>For &gt;40, Deduct</i>	-423.09	
26 56	13 00-0116	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	5,915.09	443.80
			<i>For &gt;10 To 20, Deduct</i>	-147.88	
			<i>For &gt;20 To 40, Deduct</i>	-295.75	
			<i>For &gt;40, Deduct</i>	-465.82	
26 56	13 00-0117	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	6,573.17	454.12
			<i>For &gt;10 To 20, Deduct</i>	-164.33	
			<i>For &gt;20 To 40, Deduct</i>	-328.66	
			<i>For &gt;40, Deduct</i>	-515.69	

**26 56 13 00-0118** Round Tapered, Aluminum Roadway Light Poles With Three Upsweep Style Arms (26 56 13 00-0092)



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0119	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	3,958.62	330.27
			<i>For &gt;10 To 20, Deduct</i>	-98.97	
			<i>For &gt;20 To 40, Deduct</i>	-197.93	
			<i>For &gt;40, Deduct</i>	-313.41	
26 56 13 00-0120	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,238.13	350.91
			<i>For &gt;10 To 20, Deduct</i>	-105.95	
			<i>For &gt;20 To 40, Deduct</i>	-211.91	
			<i>For &gt;40, Deduct</i>	-335.41	
26 56 13 00-0121	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,790.63	412.83
			<i>For &gt;10 To 20, Deduct</i>	-119.77	
			<i>For &gt;20 To 40, Deduct</i>	-239.53	
			<i>For &gt;40, Deduct</i>	-379.94	
26 56 13 00-0122	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,989.46	433.48
			<i>For &gt;10 To 20, Deduct</i>	-124.74	
			<i>For &gt;20 To 40, Deduct</i>	-249.47	
			<i>For &gt;40, Deduct</i>	-395.88	
26 56 13 00-0123	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	5,224.99	454.12
			<i>For &gt;10 To 20, Deduct</i>	-130.62	
			<i>For &gt;20 To 40, Deduct</i>	-261.25	
			<i>For &gt;40, Deduct</i>	-414.58	
26 56 13 00-0124	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	5,401.90	474.76
			<i>For &gt;10 To 20, Deduct</i>	-135.05	
			<i>For &gt;20 To 40, Deduct</i>	-270.10	
			<i>For &gt;40, Deduct</i>	-428.88	
26 56 13 00-0125	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	5,683.97	474.76
			<i>For &gt;10 To 20, Deduct</i>	-142.10	
			<i>For &gt;20 To 40, Deduct</i>	-284.20	
			<i>For &gt;40, Deduct</i>	-450.04	
26 56 13 00-0126	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	6,225.85	495.40
			<i>For &gt;10 To 20, Deduct</i>	-155.65	
			<i>For &gt;20 To 40, Deduct</i>	-311.29	
			<i>For &gt;40, Deduct</i>	-491.71	
26 56 13 00-0127	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	6,467.00	516.05
			<i>For &gt;10 To 20, Deduct</i>	-161.68	
			<i>For &gt;20 To 40, Deduct</i>	-323.35	
			<i>For &gt;40, Deduct</i>	-510.83	
<b>26 56 13 00-0128 Round Tapered, Aluminum Roadway Light Poles With Four Upsweep Style Arms</b>					
<small>(26 56 13 00-0092)</small>					
26 56 13 00-0129	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,040.44	371.55
			<i>For &gt;10 To 20, Deduct</i>	-101.01	
			<i>For &gt;20 To 40, Deduct</i>	-202.02	
			<i>For &gt;40, Deduct</i>	-321.61	
26 56 13 00-0130	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	4,220.77	371.55
			<i>For &gt;10 To 20, Deduct</i>	-105.52	
			<i>For &gt;20 To 40, Deduct</i>	-211.04	
			<i>For &gt;40, Deduct</i>	-335.14	
26 56 13 00-0131	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,236.20	454.12
			<i>For &gt;10 To 20, Deduct</i>	-130.91	
			<i>For &gt;20 To 40, Deduct</i>	-261.81	
			<i>For &gt;40, Deduct</i>	-415.42	
26 56 13 00-0132	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,682.57	485.08
			<i>For &gt;10 To 20, Deduct</i>	-142.06	
			<i>For &gt;20 To 40, Deduct</i>	-284.13	
			<i>For &gt;40, Deduct</i>	-450.45	
26 56 13 00-0133	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,948.82	495.40
			<i>For &gt;10 To 20, Deduct</i>	-148.72	
			<i>For &gt;20 To 40, Deduct</i>	-297.44	
			<i>For &gt;40, Deduct</i>	-470.93	
26 56 13 00-0134	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	6,355.28	526.36
			<i>For &gt;10 To 20, Deduct</i>	-158.88	
			<i>For &gt;20 To 40, Deduct</i>	-317.76	
			<i>For &gt;40, Deduct</i>	-502.96	
26 56 13 00-0135	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	6,276.01	516.05
			<i>For &gt;10 To 20, Deduct</i>	-156.90	
			<i>For &gt;20 To 40, Deduct</i>	-313.80	
			<i>For &gt;40, Deduct</i>	-496.50	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0136 EA 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	7,220.74	547.01
For >10 To 20, Deduct	-180.52	
For >20 To 40, Deduct	-361.04	
For >40, Deduct	-568.91	
26 56 13 00-0137 EA 35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	8,048.59	577.96
For >10 To 20, Deduct	-201.21	
For >20 To 40, Deduct	-402.43	
For >40, Deduct	-632.54	
<b>26 56 13 00-0138 Round Tapered, Aluminum Roadway Light Poles With Truss Style Arms (26 56</b>		
<b>13 00-0091)</b>		
<b>26 56 13 00-0139 Round Tapered, Aluminum Roadway Light Poles With Single Truss Style</b>		
<b>Arm (26 56 13 00-0138)</b>		
26 56 13 00-0140 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	4,431.38	330.27
For >10 To 20, Deduct	-110.78	
For >20 To 40, Deduct	-221.57	
For >40, Deduct	-348.87	
26 56 13 00-0141 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,471.53	330.27
For >10 To 20, Deduct	-111.79	
For >20 To 40, Deduct	-223.58	
For >40, Deduct	-351.88	
26 56 13 00-0142 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,574.14	330.27
For >10 To 20, Deduct	-114.35	
For >20 To 40, Deduct	-228.71	
For >40, Deduct	-359.57	
26 56 13 00-0143 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,728.11	330.27
For >10 To 20, Deduct	-118.20	
For >20 To 40, Deduct	-236.41	
For >40, Deduct	-371.12	
26 56 13 00-0144 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	4,990.02	371.55
For >10 To 20, Deduct	-124.75	
For >20 To 40, Deduct	-249.50	
For >40, Deduct	-392.83	
26 56 13 00-0145 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	5,080.55	371.55
For >10 To 20, Deduct	-127.01	
For >20 To 40, Deduct	-254.03	
For >40, Deduct	-399.62	
26 56 13 00-0146 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	5,177.12	371.55
For >10 To 20, Deduct	-129.43	
For >20 To 40, Deduct	-258.86	
For >40, Deduct	-406.86	
26 56 13 00-0147 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	5,759.63	371.55
For >10 To 20, Deduct	-143.99	
For >20 To 40, Deduct	-287.98	
For >40, Deduct	-450.55	
26 56 13 00-0148 EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	5,445.55	392.19
For >10 To 20, Deduct	-136.14	
For >20 To 40, Deduct	-272.28	
For >40, Deduct	-428.03	
26 56 13 00-0149 EA 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	6,193.00	392.19
For >10 To 20, Deduct	-154.83	
For >20 To 40, Deduct	-309.65	
For >40, Deduct	-484.08	
26 56 13 00-0150 EA 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	6,265.79	392.19
For >10 To 20, Deduct	-156.64	
For >20 To 40, Deduct	-313.29	
For >40, Deduct	-489.54	
26 56 13 00-0151 EA 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	6,727.96	392.19
For >10 To 20, Deduct	-168.20	
For >20 To 40, Deduct	-336.40	
For >40, Deduct	-524.21	
26 56 13 00-0152 EA 35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	7,149.47	392.19
For >10 To 20, Deduct	-178.74	
For >20 To 40, Deduct	-357.47	
For >40, Deduct	-555.82	
<b>26 56 13 00-0153 Round Tapered, Aluminum Roadway Light Poles With Two Truss Style</b>		
<b>Arms (26 56 13 00-0138)</b>		



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0154	EA		25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,783.69	412.83
			<i>For &gt;10 To 20, Deduct</i>	-144.59	
			<i>For &gt;20 To 40, Deduct</i>	-289.18	
			<i>For &gt;40, Deduct</i>	-454.42	
26 56 13 00-0155	EA		25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,927.58	433.48
			<i>For &gt;10 To 20, Deduct</i>	-148.19	
			<i>For &gt;20 To 40, Deduct</i>	-296.38	
			<i>For &gt;40, Deduct</i>	-466.24	
26 56 13 00-0156	EA		25' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	6,034.88	454.12
			<i>For &gt;10 To 20, Deduct</i>	-150.87	
			<i>For &gt;20 To 40, Deduct</i>	-301.74	
			<i>For &gt;40, Deduct</i>	-475.32	
26 56 13 00-0157	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	6,210.78	454.12
			<i>For &gt;10 To 20, Deduct</i>	-155.27	
			<i>For &gt;20 To 40, Deduct</i>	-310.54	
			<i>For &gt;40, Deduct</i>	-488.51	
26 56 13 00-0158	EA		30' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	6,786.91	474.76
			<i>For &gt;10 To 20, Deduct</i>	-169.67	
			<i>For &gt;20 To 40, Deduct</i>	-339.35	
			<i>For &gt;40, Deduct</i>	-532.76	
26 56 13 00-0159	EA		30' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	7,883.45	495.40
			<i>For &gt;10 To 20, Deduct</i>	-197.09	
			<i>For &gt;20 To 40, Deduct</i>	-394.17	
			<i>For &gt;40, Deduct</i>	-616.03	
26 56 13 00-0160	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	7,633.26	474.76
			<i>For &gt;10 To 20, Deduct</i>	-190.83	
			<i>For &gt;20 To 40, Deduct</i>	-381.66	
			<i>For &gt;40, Deduct</i>	-596.23	
26 56 13 00-0161	EA		35' High, 10" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	7,760.52	495.40
			<i>For &gt;10 To 20, Deduct</i>	-194.01	
			<i>For &gt;20 To 40, Deduct</i>	-388.03	
			<i>For &gt;40, Deduct</i>	-606.81	
26 56 13 00-0162	EA		35' High, 10" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	9,606.36	516.05
			<i>For &gt;10 To 20, Deduct</i>	-240.16	
			<i>For &gt;20 To 40, Deduct</i>	-480.32	
			<i>For &gt;40, Deduct</i>	-746.28	
26 56 13 00-0163			Round Tapered, Aluminum Roadway Light Poles With Davit Style Arm <small>(26 56 13 00-0091)</small>		
26 56 13 00-0164			Round Tapered, Aluminum Roadway Light Poles With Single Davit Style Arm <small>(26 56 13 00-0163)</small>		
26 56 13 00-0165	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	3,680.03	247.70
			<i>For &gt;10 To 20, Deduct</i>	-92.00	
			<i>For &gt;20 To 40, Deduct</i>	-184.00	
			<i>For &gt;40, Deduct</i>	-288.39	
26 56 13 00-0166	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	3,793.48	247.70
			<i>For &gt;10 To 20, Deduct</i>	-94.84	
			<i>For &gt;20 To 40, Deduct</i>	-189.67	
			<i>For &gt;40, Deduct</i>	-296.90	
26 56 13 00-0167	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base.....	3,907.17	247.70
			<i>For &gt;10 To 20, Deduct</i>	-97.68	
			<i>For &gt;20 To 40, Deduct</i>	-195.36	
			<i>For &gt;40, Deduct</i>	-305.42	
26 56 13 00-0168	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	4,309.06	330.27
			<i>For &gt;10 To 20, Deduct</i>	-107.73	
			<i>For &gt;20 To 40, Deduct</i>	-215.45	
			<i>For &gt;40, Deduct</i>	-339.69	
26 56 13 00-0169	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	4,395.53	330.27
			<i>For &gt;10 To 20, Deduct</i>	-109.89	
			<i>For &gt;20 To 40, Deduct</i>	-219.78	
			<i>For &gt;40, Deduct</i>	-346.18	
26 56 13 00-0170	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base.....	4,490.01	330.27
			<i>For &gt;10 To 20, Deduct</i>	-112.25	
			<i>For &gt;20 To 40, Deduct</i>	-224.50	
			<i>For &gt;40, Deduct</i>	-353.26	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0171	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base .....	4,865.61	371.55
			For >10 To 20, Deduct	-121.64	
			For >20 To 40, Deduct	-243.28	
			For >40, Deduct	-383.50	
26 56	13 00-0172	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base .....	4,983.00	371.55
			For >10 To 20, Deduct	-124.58	
			For >20 To 40, Deduct	-249.15	
			For >40, Deduct	-392.30	
26 56	13 00-0173	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base .....	5,000.61	371.55
			For >10 To 20, Deduct	-125.02	
			For >20 To 40, Deduct	-250.03	
			For >40, Deduct	-393.62	
26 56	13 00-0174	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base .....	5,324.59	392.19
			For >10 To 20, Deduct	-133.11	
			For >20 To 40, Deduct	-266.23	
			For >40, Deduct	-418.95	
26 56	13 00-0175	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base .....	5,376.08	392.19
			For >10 To 20, Deduct	-134.40	
			For >20 To 40, Deduct	-268.80	
			For >40, Deduct	-422.82	
26 56	13 00-0176	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base .....	5,496.80	392.19
			For >10 To 20, Deduct	-137.42	
			For >20 To 40, Deduct	-274.84	
			For >40, Deduct	-431.87	
26 56	13 00-0177		<b>Area Light Poles</b> <small>(26 56 13 00-0001)</small> Note: Excludes lighting fixtures.		
26 56	13 00-0178		<b>Steel Area Light Poles</b> <small>(26 56 13 00-0177)</small> Note: Includes powdercoat finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56	13 00-0179		<b>Round Straight, Steel Area Light Poles</b> <small>(26 56 13 00-0178)</small>		
26 56	13 00-0180		<b>Round Straight, Steel Area Light Poles, Anchor Base</b> <small>(26 56 13 00-0179)</small>		
26 56	13 00-0181	EA	10' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	749.78	144.49
			For Galvanized Finish, Add	13.82	
			For >10 To 20, Deduct	-25.66	
			For >20 To 40, Deduct	-46.70	
			For >40, Deduct	-98.02	
26 56	13 00-0182	EA	12' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	816.59	165.13
			For Galvanized Finish, Add	14.59	
			For >10 To 20, Deduct	-27.71	
			For >20 To 40, Deduct	-50.56	
			For >40, Deduct	-105.98	
26 56	13 00-0183	EA	14' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	912.76	185.78
			For Galvanized Finish, Add	16.24	
			For >10 To 20, Deduct	-30.94	
			For >20 To 40, Deduct	-56.46	
			For >40, Deduct	-118.34	
26 56	13 00-0184	EA	16' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,011.48	206.42
			For Galvanized Finish, Add	17.96	
			For >10 To 20, Deduct	-34.27	
			For >20 To 40, Deduct	-62.55	
			For >40, Deduct	-131.08	
26 56	13 00-0185	EA	18' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,078.30	227.06
			For Galvanized Finish, Add	18.73	
			For >10 To 20, Deduct	-36.32	
			For >20 To 40, Deduct	-66.40	
			For >40, Deduct	-139.04	
26 56	13 00-0186	EA	20' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,138.73	247.70
			For Galvanized Finish, Add	19.30	
			For >10 To 20, Deduct	-38.12	
			For >20 To 40, Deduct	-69.80	
			For >40, Deduct	-146.04	
26 56	13 00-0187	EA	10' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	782.97	144.49
			For Galvanized Finish, Add	14.82	
			For >10 To 20, Deduct	-26.98	
			For >20 To 40, Deduct	-49.03	
			For >40, Deduct	-103.00	
26 56	13 00-0188	EA	12' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	851.06	165.13
			For Galvanized Finish, Add	15.62	
			For >10 To 20, Deduct	-29.09	
			For >20 To 40, Deduct	-52.97	
			For >40, Deduct	-111.15	
26 56	13 00-0189	EA	14' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	981.69	185.78
			For Galvanized Finish, Add	18.30	
			For >10 To 20, Deduct	-33.69	
			For >20 To 40, Deduct	-61.29	
			For >40, Deduct	-128.68	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0190	EA		16' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,056.16	206.42
			<i>For Galvanized Finish, Add</i>	19.30	
			<i>For &gt;10 To 20, Deduct</i>	-36.05	
			<i>For &gt;20 To 40, Deduct</i>	-65.67	
			<i>For &gt;40, Deduct</i>	-137.78	
26 56 13 00-0191	EA		18' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,126.80	227.06
			<i>For Galvanized Finish, Add</i>	20.18	
			<i>For &gt;10 To 20, Deduct</i>	-38.26	
			<i>For &gt;20 To 40, Deduct</i>	-69.79	
			<i>For &gt;40, Deduct</i>	-146.31	
26 56 13 00-0192	EA		20' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,184.68	247.70
			<i>For Galvanized Finish, Add</i>	20.68	
			<i>For &gt;10 To 20, Deduct</i>	-39.96	
			<i>For &gt;20 To 40, Deduct</i>	-73.02	
			<i>For &gt;40, Deduct</i>	-152.93	
26 56 13 00-0193	EA		25' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,397.05	330.27
			<i>For Galvanized Finish, Add</i>	22.10	
			<i>For &gt;10 To 20, Deduct</i>	-45.97	
			<i>For &gt;20 To 40, Deduct</i>	-84.58	
			<i>For &gt;40, Deduct</i>	-176.53	
26 56 13 00-0194	EA		10' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base .....	782.97	144.49
			<i>For Galvanized Finish, Add</i>	14.82	
			<i>For &gt;10 To 20, Deduct</i>	-26.98	
			<i>For &gt;20 To 40, Deduct</i>	-49.03	
			<i>For &gt;40, Deduct</i>	-103.00	
26 56 13 00-0195	EA		12' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base .....	854.89	165.13
			<i>For Galvanized Finish, Add</i>	15.74	
			<i>For &gt;10 To 20, Deduct</i>	-29.24	
			<i>For &gt;20 To 40, Deduct</i>	-53.24	
			<i>For &gt;40, Deduct</i>	-111.72	
26 56 13 00-0196	EA		14' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base .....	1,002.11	185.78
			<i>For Galvanized Finish, Add</i>	18.92	
			<i>For &gt;10 To 20, Deduct</i>	-34.51	
			<i>For &gt;20 To 40, Deduct</i>	-62.72	
			<i>For &gt;40, Deduct</i>	-131.74	
26 56 13 00-0197	EA		16' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base .....	1,059.99	206.42
			<i>For Galvanized Finish, Add</i>	19.41	
			<i>For &gt;10 To 20, Deduct</i>	-36.21	
			<i>For &gt;20 To 40, Deduct</i>	-65.94	
			<i>For &gt;40, Deduct</i>	-138.36	
26 56 13 00-0198	EA		18' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base .....	1,126.80	227.06
			<i>For Galvanized Finish, Add</i>	20.18	
			<i>For &gt;10 To 20, Deduct</i>	-38.26	
			<i>For &gt;20 To 40, Deduct</i>	-69.79	
			<i>For &gt;40, Deduct</i>	-146.31	
26 56 13 00-0199	EA		20' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base .....	1,184.68	247.70
			<i>For Galvanized Finish, Add</i>	20.68	
			<i>For &gt;10 To 20, Deduct</i>	-39.96	
			<i>For &gt;20 To 40, Deduct</i>	-73.02	
			<i>For &gt;40, Deduct</i>	-152.93	
26 56 13 00-0200	EA		25' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base .....	1,432.79	330.27
			<i>For Galvanized Finish, Add</i>	23.17	
			<i>For &gt;10 To 20, Deduct</i>	-47.40	
			<i>For &gt;20 To 40, Deduct</i>	-87.08	
			<i>For &gt;40, Deduct</i>	-181.89	
26 56 13 00-0201	EA		30' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base .....	1,581.72	371.55
			<i>For Galvanized Finish, Add</i>	25.16	
			<i>For &gt;10 To 20, Deduct</i>	-52.12	
			<i>For &gt;20 To 40, Deduct</i>	-95.86	
			<i>For &gt;40, Deduct</i>	-200.10	
26 56 13 00-0202	EA		20' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,266.37	247.70
			<i>For Galvanized Finish, Add</i>	23.13	
			<i>For &gt;10 To 20, Deduct</i>	-43.22	
			<i>For &gt;20 To 40, Deduct</i>	-78.74	
			<i>For &gt;40, Deduct</i>	-165.19	
26 56 13 00-0203	EA		25' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,449.38	330.27
			<i>For Galvanized Finish, Add</i>	23.67	
			<i>For &gt;10 To 20, Deduct</i>	-48.07	
			<i>For &gt;20 To 40, Deduct</i>	-88.25	
			<i>For &gt;40, Deduct</i>	-184.38	
26 56 13 00-0204	EA		30' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,613.63	371.55
			<i>For Galvanized Finish, Add</i>	26.12	
			<i>For &gt;10 To 20, Deduct</i>	-53.40	
			<i>For &gt;20 To 40, Deduct</i>	-98.09	
			<i>For &gt;40, Deduct</i>	-204.89	
26 56 13 00-0205			Round Tapered, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0206			Round Tapered, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0205)</small>		
26 56 13 00-0207	EA		20' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	1,554.85	247.70
			<i>For Galvanized Finish, Add</i>	31.78	
			<i>For &gt;10 To 20, Deduct</i>	-54.76	
			<i>For &gt;20 To 40, Deduct</i>	-98.93	
			<i>For &gt;40, Deduct</i>	-208.46	

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0208	EA	20' High, 6.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	1,594.41	247.70
			<i>For Galvanized Finish, Add</i>	32.97	
			<i>For &gt;10 To 20, Deduct</i>	-56.35	
			<i>For &gt;20 To 40, Deduct</i>	-101.70	
			<i>For &gt;40, Deduct</i>	-214.39	
26 56	13 00-0209	EA	25' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	1,846.35	330.27
			<i>For Galvanized Finish, Add</i>	35.57	
			<i>For &gt;10 To 20, Deduct</i>	-63.95	
			<i>For &gt;20 To 40, Deduct</i>	-116.03	
			<i>For &gt;40, Deduct</i>	-243.93	
26 56	13 00-0210	EA	25' High, 7.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	1,928.04	330.27
			<i>For Galvanized Finish, Add</i>	38.03	
			<i>For &gt;10 To 20, Deduct</i>	-67.21	
			<i>For &gt;20 To 40, Deduct</i>	-121.75	
			<i>For &gt;40, Deduct</i>	-256.18	
26 56	13 00-0211	EA	30' High, 6.60" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,056.56	371.55
			<i>For Galvanized Finish, Add</i>	39.40	
			<i>For &gt;10 To 20, Deduct</i>	-71.12	
			<i>For &gt;20 To 40, Deduct</i>	-129.10	
			<i>For &gt;40, Deduct</i>	-271.33	
26 56	13 00-0212	EA	30' High, 8.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,193.14	371.55
			<i>For Galvanized Finish, Add</i>	43.50	
			<i>For &gt;10 To 20, Deduct</i>	-76.58	
			<i>For &gt;20 To 40, Deduct</i>	-138.66	
			<i>For &gt;40, Deduct</i>	-291.82	
26 56	13 00-0213	EA	35' High, 7.30" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,262.51	392.19
			<i>For Galvanized Finish, Add</i>	44.34	
			<i>For &gt;10 To 20, Deduct</i>	-78.73	
			<i>For &gt;20 To 40, Deduct</i>	-142.69	
			<i>For &gt;40, Deduct</i>	-300.16	
26 56	13 00-0214	EA	35' High, 8.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,346.75	392.19
			<i>For Galvanized Finish, Add</i>	46.87	
			<i>For &gt;10 To 20, Deduct</i>	-82.10	
			<i>For &gt;20 To 40, Deduct</i>	-148.58	
			<i>For &gt;40, Deduct</i>	-312.79	
26 56	13 00-0215	EA	35' High, 9.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,548.43	392.19
			<i>For Galvanized Finish, Add</i>	52.92	
			<i>For &gt;10 To 20, Deduct</i>	-90.17	
			<i>For &gt;20 To 40, Deduct</i>	-162.70	
			<i>For &gt;40, Deduct</i>	-343.05	
26 56	13 00-0216	EA	39' High, 7.82" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,574.39	412.83
			<i>For Galvanized Finish, Add</i>	52.46	
			<i>For &gt;10 To 20, Deduct</i>	-90.59	
			<i>For &gt;20 To 40, Deduct</i>	-163.69	
			<i>For &gt;40, Deduct</i>	-344.88	
26 56	13 00-0217	EA	39' High, 9.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,610.13	412.83
			<i>For Galvanized Finish, Add</i>	53.53	
			<i>For &gt;10 To 20, Deduct</i>	-92.02	
			<i>For &gt;20 To 40, Deduct</i>	-166.20	
			<i>For &gt;40, Deduct</i>	-350.24	
26 56	13 00-0218	EA	45' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,545.83	536.68
			<i>For Galvanized Finish, Add</i>	74.17	
			<i>For &gt;10 To 20, Deduct</i>	-125.73	
			<i>For &gt;20 To 40, Deduct</i>	-226.74	
			<i>For &gt;40, Deduct</i>	-478.21	
26 56	13 00-0219	EA	50' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,703.31	619.25
			<i>For Galvanized Finish, Add</i>	73.94	
			<i>For &gt;10 To 20, Deduct</i>	-129.55	
			<i>For &gt;20 To 40, Deduct</i>	-234.46	
			<i>For &gt;40, Deduct</i>	-493.57	
26 56	13 00-0220	EA	25' High, 7.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,482.02	330.27
			<i>For Galvanized Finish, Add</i>	54.64	
			<i>For &gt;10 To 20, Deduct</i>	-89.37	
			<i>For &gt;20 To 40, Deduct</i>	-160.53	
			<i>For &gt;40, Deduct</i>	-339.28	
26 56	13 00-0221	EA	30' High, 8.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	2,817.32	371.55
			<i>For Galvanized Finish, Add</i>	62.23	
			<i>For &gt;10 To 20, Deduct</i>	-101.55	
			<i>For &gt;20 To 40, Deduct</i>	-182.35	
			<i>For &gt;40, Deduct</i>	-385.44	
26 56	13 00-0222	EA	39' High, 9.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,262.39	412.83
			<i>For Galvanized Finish, Add</i>	73.10	
			<i>For &gt;10 To 20, Deduct</i>	-118.11	
			<i>For &gt;20 To 40, Deduct</i>	-211.85	
			<i>For &gt;40, Deduct</i>	-448.08	
26 56	13 00-0223	EA	45' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,944.08	536.68
			<i>For Galvanized Finish, Add</i>	86.12	
			<i>For &gt;10 To 20, Deduct</i>	-141.66	
			<i>For &gt;20 To 40, Deduct</i>	-254.62	
			<i>For &gt;40, Deduct</i>	-537.94	
26 56	13 00-0224	EA	50' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	4,601.92	619.25
			<i>For Galvanized Finish, Add</i>	100.90	
			<i>For &gt;10 To 20, Deduct</i>	-165.50	
			<i>For &gt;20 To 40, Deduct</i>	-297.36	
			<i>For &gt;40, Deduct</i>	-628.36	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0225	EA		50' High, 11.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	5,121.43 116.49 -186.28 -333.73 -706.29	619.25
26 56 13 00-0226	EA		50' High, 13.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	6,857.39 168.57 -255.72 -455.25 -966.68	619.25
26 56 13 00-0227	EA		50' High, 13.00" Base OD, 3 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	7,699.84 193.84 -289.42 -514.22 -1,093.05	619.25
<b>26 56 13 00-0228</b>			<b>Square Straight, Steel Area Light Poles</b> <small>(26 56 13 00-0178)</small>		
<b>26 56 13 00-0229</b>			<b>Square Straight, Steel Area Light Poles, Anchor Base</b> <small>(26 56 13 00-0228)</small>		
26 56 13 00-0230	EA		10' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	739.57 13.52 -25.25 -45.99 -96.49	144.49
26 56 13 00-0231	EA		12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	780.85 13.52 -26.28 -48.05 -100.61	165.13
26 56 13 00-0232	EA		14' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	843.83 14.17 -28.18 -51.64 -108.00	185.78
26 56 13 00-0233	EA		15' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	895.11 15.09 -29.92 -54.81 -114.66	196.09
26 56 13 00-0234	EA		16' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	915.75 15.09 -30.44 -55.85 -116.72	206.42
26 56 13 00-0235	EA		18' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	971.08 15.51 -32.03 -58.89 -122.96	227.06
26 56 13 00-0236	EA		20' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,023.85 15.85 -33.52 -61.76 -128.81	247.70
26 56 13 00-0237	EA		25' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,265.57 18.15 -40.71 -75.38 -156.81	330.27
26 56 13 00-0238	EA		20' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,196.17 21.02 -40.42 -73.82 -154.66	247.70
26 56 13 00-0239	EA		25' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,502.99 25.27 -50.21 -92.00 -192.42	330.27
26 56 13 00-0240	EA		30' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,724.68 29.45 -57.84 -105.87 -221.55	371.55
26 56 13 00-0241	EA		20' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,148.94 19.61 -38.53 -70.52 -147.57	247.70
26 56 13 00-0242	EA		25' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,411.09 22.52 -46.54 -85.57 -178.64	330.27

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0243	EA		30' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,645.54	371.55
			<i>For Galvanized Finish, Add</i>	27.07	
			<i>For &gt;10 To 20, Deduct</i>	-54.68	
			<i>For &gt;20 To 40, Deduct</i>	-100.33	
			<i>For &gt;40, Deduct</i>	-209.68	
26 56 13 00-0244	EA		20' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,311.05	247.70
			<i>For Galvanized Finish, Add</i>	24.47	
			<i>For &gt;10 To 20, Deduct</i>	-45.01	
			<i>For &gt;20 To 40, Deduct</i>	-81.87	
			<i>For &gt;40, Deduct</i>	-171.89	
26 56 13 00-0245	EA		25' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,617.87	330.27
			<i>For Galvanized Finish, Add</i>	28.72	
			<i>For &gt;10 To 20, Deduct</i>	-54.81	
			<i>For &gt;20 To 40, Deduct</i>	-100.04	
			<i>For &gt;40, Deduct</i>	-209.65	
26 56 13 00-0246	EA		30' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,833.18	371.55
			<i>For Galvanized Finish, Add</i>	32.70	
			<i>For &gt;10 To 20, Deduct</i>	-62.18	
			<i>For &gt;20 To 40, Deduct</i>	-113.46	
			<i>For &gt;40, Deduct</i>	-237.82	
26 56 13 00-0247	EA		35' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,032.75	392.19
			<i>For Galvanized Finish, Add</i>	37.45	
			<i>For &gt;10 To 20, Deduct</i>	-69.54	
			<i>For &gt;20 To 40, Deduct</i>	-126.60	
			<i>For &gt;40, Deduct</i>	-265.69	
26 56 13 00-0248	EA		30' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,084.64	371.55
			<i>For Galvanized Finish, Add</i>	40.25	
			<i>For &gt;10 To 20, Deduct</i>	-72.24	
			<i>For &gt;20 To 40, Deduct</i>	-131.06	
			<i>For &gt;40, Deduct</i>	-275.54	
26 56 13 00-0249	EA		35' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,285.48	392.19
			<i>For Galvanized Finish, Add</i>	45.03	
			<i>For &gt;10 To 20, Deduct</i>	-79.65	
			<i>For &gt;20 To 40, Deduct</i>	-144.30	
			<i>For &gt;40, Deduct</i>	-303.60	
26 56 13 00-0250	EA		40' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,417.39	412.83
			<i>For Galvanized Finish, Add</i>	47.75	
			<i>For &gt;10 To 20, Deduct</i>	-84.31	
			<i>For &gt;20 To 40, Deduct</i>	-152.70	
			<i>For &gt;40, Deduct</i>	-321.33	
26 56 13 00-0251			Hinged, Square Straight, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0252			Hinged, Square Straight, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0251)</small>		
26 56 13 00-0253	EA		20' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base .....	2,612.00	247.70
			<i>For Galvanized Finish, Add</i>	63.50	
			<i>For &gt;10 To 20, Deduct</i>	-97.05	
			<i>For &gt;20 To 40, Deduct</i>	-172.93	
			<i>For &gt;40, Deduct</i>	-367.03	
26 56 13 00-0254	EA		25' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base .....	2,921.06	330.27
			<i>For Galvanized Finish, Add</i>	67.82	
			<i>For &gt;10 To 20, Deduct</i>	-106.93	
			<i>For &gt;20 To 40, Deduct</i>	-191.26	
			<i>For &gt;40, Deduct</i>	-405.13	
26 56 13 00-0255	EA		30' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base .....	4,078.89	371.55
			<i>For Galvanized Finish, Add</i>	100.07	
			<i>For &gt;10 To 20, Deduct</i>	-152.01	
			<i>For &gt;20 To 40, Deduct</i>	-270.66	
			<i>For &gt;40, Deduct</i>	-574.68	
26 56 13 00-0256	EA		20' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base .....	2,663.60	247.70
			<i>For Galvanized Finish, Add</i>	65.05	
			<i>For &gt;10 To 20, Deduct</i>	-99.11	
			<i>For &gt;20 To 40, Deduct</i>	-176.54	
			<i>For &gt;40, Deduct</i>	-374.77	
26 56 13 00-0257	EA		25' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base .....	3,221.10	330.27
			<i>For Galvanized Finish, Add</i>	76.82	
			<i>For &gt;10 To 20, Deduct</i>	-118.94	
			<i>For &gt;20 To 40, Deduct</i>	-212.27	
			<i>For &gt;40, Deduct</i>	-450.14	
26 56 13 00-0258	EA		30' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base .....	4,525.56	371.55
			<i>For Galvanized Finish, Add</i>	113.47	
			<i>For &gt;10 To 20, Deduct</i>	-169.88	
			<i>For &gt;20 To 40, Deduct</i>	-301.93	
			<i>For &gt;40, Deduct</i>	-641.68	
26 56 13 00-0259	EA		35' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base .....	5,190.02	392.19
			<i>For Galvanized Finish, Add</i>	132.17	
			<i>For &gt;10 To 20, Deduct</i>	-195.83	
			<i>For &gt;20 To 40, Deduct</i>	-347.61	
			<i>For &gt;40, Deduct</i>	-739.28	
26 56 13 00-0260	EA		39' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base .....	6,096.14	412.83
			<i>For Galvanized Finish, Add</i>	158.11	
			<i>For &gt;10 To 20, Deduct</i>	-231.46	
			<i>For &gt;20 To 40, Deduct</i>	-410.22	
			<i>For &gt;40, Deduct</i>	-873.14	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0261	EA	20' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,530.54 61.05 -93.79 -167.23 -354.81	247.70
26 56	13 00-0262	EA	25' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,790.72 63.91 -101.72 -182.14 -385.58	330.27
26 56	13 00-0263	EA	30' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,849.44 93.19 -142.83 -254.60 -540.26	371.55
26 56	13 00-0264	EA	20' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,624.22 63.86 -97.54 -173.79 -368.86	247.70
26 56	13 00-0265	EA	25' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,098.91 73.15 -114.05 -203.71 -431.81	330.27
26 56	13 00-0266	EA	30' High, 6.44" OD, 7 Gauge, Hinged Square Straight, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	4,355.85 108.38 -163.09 -290.05 -616.22	371.55
26 56	13 00-0267	EA	20' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,768.14 68.18 -103.29 -183.86 -390.45	247.70
26 56	13 00-0268	EA	25' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,358.23 80.93 -124.42 -221.87 -470.71	330.27
26 56	13 00-0269	EA	30' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	4,661.33 117.55 -175.31 -311.43 -662.04	371.55
26 56	13 00-0270	EA	35' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	5,355.66 137.14 -202.46 -359.21 -764.13	392.19
26 56	13 00-0271	EA	39' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	6,184.39 160.76 -234.99 -416.39 -886.38	412.83
26 56	13 00-0272		Square Tapered, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56	13 00-0273		Square Tapered, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0272)</small>		
26 56	13 00-0274	EA	20' High, 5.25" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,985.01 44.69 -71.97 -129.04 -272.98	247.70
26 56	13 00-0275	EA	25' High, 6.00" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,413.09 52.58 -86.62 -155.71 -328.94	330.27
26 56	13 00-0276	EA	30' High, 6.41" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,685.84 58.28 -96.29 -173.15 -365.72	371.55
26 56	13 00-0277	EA	35' High, 6.81" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,978.59 65.83 -107.38 -192.81 -407.57	392.19
26 56	13 00-0278	EA	39' High, 7.18" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,139.86 69.43 -113.21 -203.28 -429.70	412.83





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0279	EA	20' High, 5.50" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	2,558.13	247.70
			<i>For Galvanized Finish, Add</i>	61.88	
			<i>For &gt;10 To 20, Deduct</i>	-94.89	
			<i>For &gt;20 To 40, Deduct</i>	-169.16	
			<i>For &gt;40, Deduct</i>	-358.95	
26 56	13 00-0280	EA	25' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	2,862.40	330.27
			<i>For Galvanized Finish, Add</i>	66.06	
			<i>For &gt;10 To 20, Deduct</i>	-104.59	
			<i>For &gt;20 To 40, Deduct</i>	-187.16	
			<i>For &gt;40, Deduct</i>	-396.33	
26 56	13 00-0281	EA	30' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,053.46	371.55
			<i>For Galvanized Finish, Add</i>	69.31	
			<i>For &gt;10 To 20, Deduct</i>	-110.99	
			<i>For &gt;20 To 40, Deduct</i>	-198.88	
			<i>For &gt;40, Deduct</i>	-420.86	
26 56	13 00-0282	EA	30' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,390.44	371.55
			<i>For Galvanized Finish, Add</i>	79.42	
			<i>For &gt;10 To 20, Deduct</i>	-124.47	
			<i>For &gt;20 To 40, Deduct</i>	-222.47	
			<i>For &gt;40, Deduct</i>	-471.41	
26 56	13 00-0283	EA	35' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,674.25	392.19
			<i>For Galvanized Finish, Add</i>	86.70	
			<i>For &gt;10 To 20, Deduct</i>	-135.20	
			<i>For &gt;20 To 40, Deduct</i>	-241.51	
			<i>For &gt;40, Deduct</i>	-511.92	
26 56	13 00-0284	EA	35' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	4,091.65	392.19
			<i>For Galvanized Finish, Add</i>	99.22	
			<i>For &gt;10 To 20, Deduct</i>	-151.90	
			<i>For &gt;20 To 40, Deduct</i>	-270.73	
			<i>For &gt;40, Deduct</i>	-574.53	
26 56	13 00-0285	EA	39' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	3,734.68	412.83
			<i>For Galvanized Finish, Add</i>	87.27	
			<i>For &gt;10 To 20, Deduct</i>	-137.00	
			<i>For &gt;20 To 40, Deduct</i>	-244.91	
			<i>For &gt;40, Deduct</i>	-518.92	
26 56	13 00-0286	EA	39' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	4,762.21	412.83
			<i>For Galvanized Finish, Add</i>	118.10	
			<i>For &gt;10 To 20, Deduct</i>	-178.10	
			<i>For &gt;20 To 40, Deduct</i>	-316.84	
			<i>For &gt;40, Deduct</i>	-673.05	
26 56	13 00-0287	EA	45' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	4,415.09	536.68
			<i>For Galvanized Finish, Add</i>	100.25	
			<i>For &gt;10 To 20, Deduct</i>	-160.50	
			<i>For &gt;20 To 40, Deduct</i>	-287.59	
			<i>For &gt;40, Deduct</i>	-608.60	
26 56	13 00-0288	EA	45' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	5,115.86	536.68
			<i>For Galvanized Finish, Add</i>	121.27	
			<i>For &gt;10 To 20, Deduct</i>	-188.53	
			<i>For &gt;20 To 40, Deduct</i>	-336.64	
			<i>For &gt;40, Deduct</i>	-713.71	
26 56	13 00-0289	EA	50' High, 8.81" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	5,316.73	619.25
			<i>For Galvanized Finish, Add</i>	122.35	
			<i>For &gt;10 To 20, Deduct</i>	-194.09	
			<i>For &gt;20 To 40, Deduct</i>	-347.40	
			<i>For &gt;40, Deduct</i>	-735.58	
26 56	13 00-0290		<b>Factory Accessories For Steel Area Light Poles</b> <small>(26 56 13 00-0178)</small>		
	26 56 13 00-0291	EA	1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Steel Area Light Poles.....	45.26	
	26 56 13 00-0292	EA	Extra Handhole For Steel Area Light Poles .....	67.30	
	26 56 13 00-0293	EA	Vibration Dampener For Steel Area Light Poles .....	68.46	
26 56	13 00-0294		<b>Aluminum Area Light Poles</b> <small>(26 56 13 00-0177)</small>		
			Note: Includes satin brushed or painted finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56	13 00-0295		<b>Round Straight, Aluminum Area Light Poles</b> <small>(26 56 13 00-0294)</small>		
26 56	13 00-0296		<b>Round Straight, Aluminum Area Light Poles, Anchor Base</b> <small>(26 56 13 00-0295)</small>		
	26 56 13 00-0297	EA	8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base .....	798.15	123.85
			<i>For Bronze Or Satin Anodized Finish, Add</i>	55.05	
			<i>For Black Anodized Finish, Add</i>	110.09	
			<i>For &gt;10 To 20, Deduct</i>	-28.21	
			<i>For &gt;20 To 40, Deduct</i>	-50.92	
			<i>For &gt;40, Deduct</i>	-107.34	
	26 56 13 00-0298	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base .....	867.67	144.49
			<i>For Bronze Or Satin Anodized Finish, Add</i>	57.87	
			<i>For Black Anodized Finish, Add</i>	115.74	
			<i>For &gt;10 To 20, Deduct</i>	-30.37	
			<i>For &gt;20 To 40, Deduct</i>	-54.96	
			<i>For &gt;40, Deduct</i>	-115.70	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0299	EA		12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	944.23 61.40 122.79 -32.82 -59.49 -125.12	165.13
26 56 13 00-0300	EA		14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,022.21 65.07 130.13 -35.32 -64.12 -134.75	185.78
26 56 13 00-0301	EA		15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,066.84 67.47 134.93 -36.79 -66.84 -140.42	196.09
26 56 13 00-0302	EA		16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,110.07 69.72 139.45 -38.21 -69.45 -145.87	206.42
26 56 13 00-0303	EA		16' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,194.75 78.19 156.38 -41.60 -75.38 -158.57	206.42
26 56 13 00-0304	EA		18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,289.67 83.56 167.11 -44.78 -81.19 -170.74	227.06
26 56 13 00-0305	EA		20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,376.12 88.07 176.14 -47.61 -86.42 -181.65	247.70
26 56 13 00-0306	EA		15' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,378.77 98.66 197.32 -49.27 -88.67 -187.21	196.09
26 56 13 00-0307	EA		20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,688.04 119.26 238.53 -60.09 -108.25 -228.44	247.70
26 56 13 00-0308	EA		20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,846.12 135.07 270.14 -66.41 -119.32 -252.15	247.70
26 56 13 00-0309	EA		25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,159.46 149.89 299.78 -76.47 -137.95 -290.89	330.27
26 56 13 00-0310	EA		30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,522.89 177.98 355.96 -89.77 -161.74 -341.28	371.55
26 56 13 00-0311	EA		20' High, 4" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,473.51 97.81 195.62 -51.51 -93.24 -196.26	247.70
26 56 13 00-0312	EA		20' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,833.42 133.80 267.60 -65.91 -118.43 -250.24	247.70

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0313	EA		25' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,136.87 147.63 295.27 -75.57 -136.37 -287.50	330.27
26 56 13 00-0314	EA		25' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,341.53 168.10 336.20 -83.75 -150.70 -318.20	330.27
26 56 13 00-0315	EA		30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,754.36 201.13 402.25 -99.03 -177.94 -376.00	371.55
<b>26 56 13 00-0316</b>			<b>Round Straight, Aluminum Area Light Poles, Hinged Anchor Base</b> <small>(26 56 13 00-0295)</small>		
26 56 13 00-0317	EA		8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	942.11 104.16 -33.97 -60.99 -128.93	123.85
26 56 13 00-0318	EA		10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,039.86 112.63 -37.26 -67.01 -141.53	144.49
26 56 13 00-0319	EA		12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,131.95 120.25 -40.32 -72.63 -153.28	165.13
26 56 13 00-0320	EA		14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,197.22 123.85 -42.32 -76.37 -161.01	185.78
26 56 13 00-0321	EA		16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,279.44 129.99 -44.99 -81.30 -171.27	206.42
26 56 13 00-0322	EA		10' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,069.50 117.08 -38.45 -69.09 -145.98	144.49
26 56 13 00-0323	EA		12' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,158.77 124.28 -41.40 -74.51 -157.30	165.13
26 56 13 00-0324	EA		14' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,252.27 132.11 -44.52 -80.23 -169.26	185.78
26 56 13 00-0325	EA		16' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,344.36 139.73 -47.58 -85.85 -181.01	206.42
26 56 13 00-0326	EA		18' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,443.52 148.41 -50.93 -91.96 -193.82	227.06
26 56 13 00-0327	EA		20' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,534.20 155.82 -53.94 -97.49 -205.36	247.70
26 56 13 00-0328	EA		12' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,213.81 132.53 -43.60 -78.36 -165.56	165.13
26 56 13 00-0329	EA		14' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,317.19 141.85 -47.11 -84.77 -179.00	185.78



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0330	EA		16' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,419.17 150.95 -50.57 -91.09 -192.23	206.42
26 56 13 00-0331	EA		18' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,523.97 160.48 -54.15 -97.60 -205.89	227.06
26 56 13 00-0332	EA		16' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,498.20 162.81 -53.74 -96.62 -204.09	206.42
26 56 13 00-0333	EA		20' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,719.09 183.55 -61.33 -110.43 -233.09	247.70
26 56 13 00-0334	EA		12' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,266.03 140.36 -45.69 -82.02 -173.39	165.13
26 56 13 00-0335	EA		14' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,384.94 152.01 -49.82 -89.51 -189.16	185.78
26 56 13 00-0336	EA		16' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,489.74 161.54 -53.40 -96.03 -202.82	206.42
26 56 13 00-0337	EA		18' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,603.01 172.33 -57.31 -103.13 -217.75	227.06
26 56 13 00-0338	EA		20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,712.04 182.50 -61.05 -109.93 -232.04	247.70
26 56 13 00-0339	EA		16' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,592.77 176.99 -57.52 -103.24 -218.27	206.42
26 56 13 00-0340	EA		18' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,718.74 189.69 -61.94 -111.23 -235.11	227.06
26 56 13 00-0341	EA		20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,755.79 189.06 -62.80 -113.00 -238.60	247.70
<b>26 56 13 00-0342</b>			<b>Round Straight, Aluminum Area Light Poles, Direct Burial</b> <small>(26 56 13 00-0295)</small>		
Note: Includes rubberized undercoating on embedded portion.					
26 56 13 00-0343	EA		10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	725.82 51.94 103.88 -25.94 -46.68 -98.55	103.21
26 56 13 00-0344	EA		12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	773.28 54.62 109.24 -27.53 -49.59 -104.64	113.53
26 56 13 00-0345	EA		14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	857.43 60.97 121.95 -30.58 -55.07 -116.23	123.85

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0346	EA		15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial .....	889.89	123.85
			<i>For Bronze Or Satin Anodized Finish, Add</i>	64.22	
			<i>For Black Anodized Finish, Add</i>	128.44	
			<i>For &gt;10 To 20, Deduct</i>	-31.88	
			<i>For &gt;20 To 40, Deduct</i>	-57.34	
			<i>For &gt;40, Deduct</i>	-121.10	
26 56 13 00-0347	EA		16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial .....	930.82	123.85
			<i>For Bronze Or Satin Anodized Finish, Add</i>	68.31	
			<i>For Black Anodized Finish, Add</i>	136.62	
			<i>For &gt;10 To 20, Deduct</i>	-33.52	
			<i>For &gt;20 To 40, Deduct</i>	-60.20	
			<i>For &gt;40, Deduct</i>	-127.24	
26 56 13 00-0348	EA		18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial .....	1,075.67	134.18
			<i>For Bronze Or Satin Anodized Finish, Add</i>	80.73	
			<i>For Black Anodized Finish, Add</i>	161.47	
			<i>For &gt;10 To 20, Deduct</i>	-39.00	
			<i>For &gt;20 To 40, Deduct</i>	-69.93	
			<i>For &gt;40, Deduct</i>	-147.93	
26 56 13 00-0349	EA		20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial .....	1,148.54	144.49
			<i>For Bronze Or Satin Anodized Finish, Add</i>	85.96	
			<i>For Black Anodized Finish, Add</i>	171.91	
			<i>For &gt;10 To 20, Deduct</i>	-41.61	
			<i>For &gt;20 To 40, Deduct</i>	-74.62	
			<i>For &gt;40, Deduct</i>	-157.83	
26 56 13 00-0350	EA		20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial .....	1,367.31	144.49
			<i>For Bronze Or Satin Anodized Finish, Add</i>	107.83	
			<i>For Black Anodized Finish, Add</i>	215.66	
			<i>For &gt;10 To 20, Deduct</i>	-50.36	
			<i>For &gt;20 To 40, Deduct</i>	-89.93	
			<i>For &gt;40, Deduct</i>	-190.65	
26 56 13 00-0351	EA		25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial .....	1,689.46	165.13
			<i>For Bronze Or Satin Anodized Finish, Add</i>	135.92	
			<i>For Black Anodized Finish, Add</i>	271.84	
			<i>For &gt;10 To 20, Deduct</i>	-62.62	
			<i>For &gt;20 To 40, Deduct</i>	-111.66	
			<i>For &gt;40, Deduct</i>	-236.91	
26 56 13 00-0352	EA		30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial .....	1,919.87	185.78
			<i>For Bronze Or Satin Anodized Finish, Add</i>	154.83	
			<i>For Black Anodized Finish, Add</i>	309.66	
			<i>For &gt;10 To 20, Deduct</i>	-71.22	
			<i>For &gt;20 To 40, Deduct</i>	-126.96	
			<i>For &gt;40, Deduct</i>	-269.40	
26 56 13 00-0353	EA		30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Direct Burial .....	2,178.15	185.78
			<i>For Bronze Or Satin Anodized Finish, Add</i>	180.66	
			<i>For Black Anodized Finish, Add</i>	361.32	
			<i>For &gt;10 To 20, Deduct</i>	-81.55	
			<i>For &gt;20 To 40, Deduct</i>	-145.04	
			<i>For &gt;40, Deduct</i>	-308.15	
26 56 13 00-0354			Round Tapered, Aluminum Area Light Poles <small>(26 56 13 00-0294)</small>		
26 56 13 00-0355			Round Tapered, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0354)</small>		
26 56 13 00-0356	EA		8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	647.13	123.85
			<i>For Bronze Or Satin Anodized Finish, Add</i>	39.94	
			<i>For Black Anodized Finish, Add</i>	79.89	
			<i>For &gt;10 To 20, Deduct</i>	-22.17	
			<i>For &gt;20 To 40, Deduct</i>	-40.35	
			<i>For &gt;40, Deduct</i>	-84.68	
26 56 13 00-0357	EA		10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	720.88	144.49
			<i>For Bronze Or Satin Anodized Finish, Add</i>	43.19	
			<i>For Black Anodized Finish, Add</i>	86.38	
			<i>For &gt;10 To 20, Deduct</i>	-24.50	
			<i>For &gt;20 To 40, Deduct</i>	-44.68	
			<i>For &gt;40, Deduct</i>	-93.68	
26 56 13 00-0358	EA		12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	794.62	165.13
			<i>For Bronze Or Satin Anodized Finish, Add</i>	46.44	
			<i>For Black Anodized Finish, Add</i>	92.87	
			<i>For &gt;10 To 20, Deduct</i>	-26.83	
			<i>For &gt;20 To 40, Deduct</i>	-49.02	
			<i>For &gt;40, Deduct</i>	-102.68	
26 56 13 00-0359	EA		14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	881.07	185.78
			<i>For Bronze Or Satin Anodized Finish, Add</i>	50.95	
			<i>For Black Anodized Finish, Add</i>	101.90	
			<i>For &gt;10 To 20, Deduct</i>	-29.67	
			<i>For &gt;20 To 40, Deduct</i>	-54.24	
			<i>For &gt;40, Deduct</i>	-113.58	
26 56 13 00-0360	EA		16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	966.10	206.42
			<i>For Bronze Or Satin Anodized Finish, Add</i>	55.33	
			<i>For Black Anodized Finish, Add</i>	110.65	
			<i>For &gt;10 To 20, Deduct</i>	-32.45	
			<i>For &gt;20 To 40, Deduct</i>	-59.37	
			<i>For &gt;40, Deduct</i>	-124.27	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0361	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	757.58 46.86 93.72 -25.97 -47.25 -99.19	144.49
26 56	13 00-0362	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	852.49 52.22 104.44 -29.15 -53.07 -111.36	165.13
26 56	13 00-0363	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	943.17 57.16 114.32 -32.15 -58.59 -122.90	185.78
26 56	13 00-0364	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,114.66 66.05 132.11 -37.77 -68.94 -144.49	227.06
26 56	13 00-0365	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,191.23 69.58 139.17 -40.22 -73.48 -153.91	247.70
26 56	13 00-0366	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	904.71 57.44 114.89 -31.23 -56.72 -119.19	165.13
26 56	13 00-0367	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,003.86 63.23 126.46 -34.58 -62.84 -132.00	185.78
26 56	13 00-0368	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,112.89 70.01 140.01 -38.32 -69.65 -146.29	206.42
26 56	13 00-0369	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,196.52 74.24 148.48 -41.05 -74.67 -156.77	227.06
26 56	13 00-0370	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,299.90 80.45 160.90 -44.57 -81.09 -170.22	247.70
26 56	13 00-0371	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,251.21 83.84 167.68 -43.86 -79.33 -167.04	206.42
26 56	13 00-0372	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,372.95 91.88 183.77 -48.11 -87.02 -183.24	227.06
26 56	13 00-0373	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,436.81 94.14 188.28 -50.04 -90.67 -190.75	247.70
26 56	13 00-0374	EA	23' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,644.99 106.70 213.41 -57.13 -103.59 -217.85	288.99

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0375	EA		25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,861.65	330.27
			<i>For Bronze Or Satin Anodized Finish, Add</i>	120.11	
			<i>For Black Anodized Finish, Add</i>	240.22	
			<i>For &gt;10 To 20, Deduct</i>	-64.56	
			<i>For &gt;20 To 40, Deduct</i>	-117.10	
			<i>For &gt;40, Deduct</i>	-246.22	
26 56 13 00-0376	EA		18' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,511.27	227.06
			<i>For Bronze Or Satin Anodized Finish, Add</i>	105.72	
			<i>For Black Anodized Finish, Add</i>	211.43	
			<i>For &gt;10 To 20, Deduct</i>	-53.64	
			<i>For &gt;20 To 40, Deduct</i>	-96.71	
			<i>For &gt;40, Deduct</i>	-203.98	
26 56 13 00-0377	EA		20' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,604.77	247.70
			<i>For Bronze Or Satin Anodized Finish, Add</i>	110.94	
			<i>For Black Anodized Finish, Add</i>	221.87	
			<i>For &gt;10 To 20, Deduct</i>	-56.76	
			<i>For &gt;20 To 40, Deduct</i>	-102.43	
			<i>For &gt;40, Deduct</i>	-215.95	
26 56 13 00-0378	EA		23' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,777.66	288.99
			<i>For Bronze Or Satin Anodized Finish, Add</i>	119.97	
			<i>For Black Anodized Finish, Add</i>	239.94	
			<i>For &gt;10 To 20, Deduct</i>	-62.44	
			<i>For &gt;20 To 40, Deduct</i>	-112.88	
			<i>For &gt;40, Deduct</i>	-237.75	
26 56 13 00-0379	EA		25' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,963.27	330.27
			<i>For Bronze Or Satin Anodized Finish, Add</i>	130.27	
			<i>For Black Anodized Finish, Add</i>	260.55	
			<i>For &gt;10 To 20, Deduct</i>	-68.62	
			<i>For &gt;20 To 40, Deduct</i>	-124.22	
			<i>For &gt;40, Deduct</i>	-261.46	
26 56 13 00-0380	EA		28' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	2,118.88	350.91
			<i>For Bronze Or Satin Anodized Finish, Add</i>	141.71	
			<i>For Black Anodized Finish, Add</i>	283.41	
			<i>For &gt;10 To 20, Deduct</i>	-74.23	
			<i>For &gt;20 To 40, Deduct</i>	-134.29	
			<i>For &gt;40, Deduct</i>	-282.74	
26 56 13 00-0381	EA		30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	2,277.30	371.55
			<i>For Bronze Or Satin Anodized Finish, Add</i>	153.42	
			<i>For Black Anodized Finish, Add</i>	306.84	
			<i>For &gt;10 To 20, Deduct</i>	-79.95	
			<i>For &gt;20 To 40, Deduct</i>	-144.55	
			<i>For &gt;40, Deduct</i>	-304.44	
26 56 13 00-0382	EA		23' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,908.92	288.99
			<i>For Bronze Or Satin Anodized Finish, Add</i>	133.10	
			<i>For Black Anodized Finish, Add</i>	266.19	
			<i>For &gt;10 To 20, Deduct</i>	-67.69	
			<i>For &gt;20 To 40, Deduct</i>	-122.07	
			<i>For &gt;40, Deduct</i>	-257.44	
26 56 13 00-0383	EA		25' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	2,050.78	330.27
			<i>For Bronze Or Satin Anodized Finish, Add</i>	139.02	
			<i>For Black Anodized Finish, Add</i>	278.05	
			<i>For &gt;10 To 20, Deduct</i>	-72.12	
			<i>For &gt;20 To 40, Deduct</i>	-130.34	
			<i>For &gt;40, Deduct</i>	-274.59	
26 56 13 00-0384	EA		28' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	2,213.44	350.91
			<i>For Bronze Or Satin Anodized Finish, Add</i>	151.16	
			<i>For Black Anodized Finish, Add</i>	302.32	
			<i>For &gt;10 To 20, Deduct</i>	-78.01	
			<i>For &gt;20 To 40, Deduct</i>	-140.90	
			<i>For &gt;40, Deduct</i>	-296.93	
26 56 13 00-0385	EA		30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	2,424.09	371.55
			<i>For Bronze Or Satin Anodized Finish, Add</i>	168.10	
			<i>For Black Anodized Finish, Add</i>	336.20	
			<i>For &gt;10 To 20, Deduct</i>	-85.82	
			<i>For &gt;20 To 40, Deduct</i>	-154.82	
			<i>For &gt;40, Deduct</i>	-326.46	
26 56 13 00-0386	EA		33' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	2,508.24	381.87
			<i>For Bronze Or Satin Anodized Finish, Add</i>	174.45	
			<i>For Black Anodized Finish, Add</i>	348.90	
			<i>For &gt;10 To 20, Deduct</i>	-88.87	
			<i>For &gt;20 To 40, Deduct</i>	-160.30	
			<i>For &gt;40, Deduct</i>	-338.05	
26 56 13 00-0387	EA		35' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	2,699.67	392.19
			<i>For Bronze Or Satin Anodized Finish, Add</i>	191.53	
			<i>For Black Anodized Finish, Add</i>	383.06	
			<i>For &gt;10 To 20, Deduct</i>	-96.22	
			<i>For &gt;20 To 40, Deduct</i>	-173.29	
			<i>For &gt;40, Deduct</i>	-365.73	
26 56 13 00-0388	EA		12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	962.58	165.13
			<i>For Bronze Or Satin Anodized Finish, Add</i>	63.23	
			<i>For Black Anodized Finish, Add</i>	126.46	
			<i>For &gt;10 To 20, Deduct</i>	-33.55	
			<i>For &gt;20 To 40, Deduct</i>	-60.78	
			<i>For &gt;40, Deduct</i>	-127.87	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0389	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,071.61 70.01 140.01 -37.29 -67.58 -142.16	185.78
26 56	13 00-0390	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,186.28 77.35 154.69 -41.26 -74.78 -157.30	206.42
26 56	13 00-0391	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,285.44 83.13 166.26 -44.61 -80.90 -170.11	227.06
26 56	13 00-0392	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,383.18 88.78 177.56 -47.90 -86.91 -182.71	247.70
26 56	13 00-0393	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,340.13 92.73 185.46 -47.41 -85.55 -180.38	206.42
26 56	13 00-0394	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,466.10 101.20 202.40 -51.83 -93.54 -197.21	227.06
26 56	13 00-0395	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,548.31 105.29 210.58 -54.50 -98.47 -207.48	247.70
26 56	13 00-0396	EA	23' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,749.43 117.15 234.29 -61.31 -110.90 -233.52	288.99
26 56	13 00-0397	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,959.04 129.85 259.70 -68.45 -123.92 -260.83	330.27
26 56	13 00-0398	EA	23' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,068.41 149.05 298.09 -74.07 -133.23 -281.36	288.99
26 56	13 00-0399	EA	25' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,262.49 160.20 320.39 -80.59 -145.16 -306.35	330.27
26 56	13 00-0400	EA	28' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,442.09 174.03 348.05 -87.16 -156.91 -331.22	350.91
26 56	13 00-0401	EA	30' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,597.69 185.46 370.92 -92.76 -166.98 -352.50	371.55
26 56	13 00-0402	EA	33' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,755.24 199.15 398.30 -98.75 -177.59 -375.10	381.87



<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 56</b>	<b>Exterior Lighting</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0403	EA	35' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	2,890.21	392.19
			<i>For Bronze Or Satin Anodized Finish, Add</i>	210.58	
			<i>For Black Anodized Finish, Add</i>	421.16	
			<i>For &gt;10 To 20, Deduct</i>	-103.84	
			<i>For &gt;20 To 40, Deduct</i>	-186.63	
			<i>For &gt;40, Deduct</i>	-394.31	
26 56	13 00-0404	EA	37' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	3,002.59	402.52
			<i>For Bronze Or Satin Anodized Finish, Add</i>	219.76	
			<i>For Black Anodized Finish, Add</i>	439.51	
			<i>For &gt;10 To 20, Deduct</i>	-108.03	
			<i>For &gt;20 To 40, Deduct</i>	-194.08	
			<i>For &gt;40, Deduct</i>	-410.14	
26 56	13 00-0405	EA	39' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	3,220.83	412.83
			<i>For Bronze Or Satin Anodized Finish, Add</i>	239.52	
			<i>For Black Anodized Finish, Add</i>	479.03	
			<i>For &gt;10 To 20, Deduct</i>	-116.45	
			<i>For &gt;20 To 40, Deduct</i>	-208.94	
			<i>For &gt;40, Deduct</i>	-441.84	
26 56	13 00-0406	EA	28' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	3,051.82	350.91
			<i>For Bronze Or Satin Anodized Finish, Add</i>	235.00	
			<i>For Black Anodized Finish, Add</i>	470.00	
			<i>For &gt;10 To 20, Deduct</i>	-111.55	
			<i>For &gt;20 To 40, Deduct</i>	-199.59	
			<i>For &gt;40, Deduct</i>	-422.68	
26 56	13 00-0407	EA	30' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	3,303.40	371.55
			<i>For Bronze Or Satin Anodized Finish, Add</i>	256.03	
			<i>For Black Anodized Finish, Add</i>	512.06	
			<i>For &gt;10 To 20, Deduct</i>	-120.99	
			<i>For &gt;20 To 40, Deduct</i>	-216.38	
			<i>For &gt;40, Deduct</i>	-458.36	
26 56	13 00-0408	EA	33' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	3,489.17	381.87
			<i>For Bronze Or Satin Anodized Finish, Add</i>	272.54	
			<i>For Black Anodized Finish, Add</i>	545.09	
			<i>For &gt;10 To 20, Deduct</i>	-128.11	
			<i>For &gt;20 To 40, Deduct</i>	-228.97	
			<i>For &gt;40, Deduct</i>	-485.19	
26 56	13 00-0409	EA	35' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	3,625.56	392.19
			<i>For Bronze Or Satin Anodized Finish, Add</i>	284.12	
			<i>For Black Anodized Finish, Add</i>	568.23	
			<i>For &gt;10 To 20, Deduct</i>	-133.26	
			<i>For &gt;20 To 40, Deduct</i>	-238.10	
			<i>For &gt;40, Deduct</i>	-504.61	
26 56	13 00-0410	EA	37' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	3,692.76	402.52
			<i>For Bronze Or Satin Anodized Finish, Add</i>	288.77	
			<i>For Black Anodized Finish, Add</i>	577.55	
			<i>For &gt;10 To 20, Deduct</i>	-135.64	
			<i>For &gt;20 To 40, Deduct</i>	-242.39	
			<i>For &gt;40, Deduct</i>	-513.66	
26 56	13 00-0411	EA	39' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	3,935.01	412.83
			<i>For Bronze Or Satin Anodized Finish, Add</i>	310.93	
			<i>For Black Anodized Finish, Add</i>	621.87	
			<i>For &gt;10 To 20, Deduct</i>	-145.02	
			<i>For &gt;20 To 40, Deduct</i>	-258.94	
			<i>For &gt;40, Deduct</i>	-548.97	
26 56	13 00-0412	EA	28' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	2,858.45	350.91
			<i>For Bronze Or Satin Anodized Finish, Add</i>	215.66	
			<i>For Black Anodized Finish, Add</i>	431.33	
			<i>For &gt;10 To 20, Deduct</i>	-103.81	
			<i>For &gt;20 To 40, Deduct</i>	-186.06	
			<i>For &gt;40, Deduct</i>	-393.68	
26 56	13 00-0413	EA	30' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	3,084.63	371.55
			<i>For Bronze Or Satin Anodized Finish, Add</i>	234.15	
			<i>For Black Anodized Finish, Add</i>	468.31	
			<i>For &gt;10 To 20, Deduct</i>	-112.24	
			<i>For &gt;20 To 40, Deduct</i>	-201.06	
			<i>For &gt;40, Deduct</i>	-425.54	
26 56	13 00-0414	EA	33' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	3,168.78	381.87
			<i>For Bronze Or Satin Anodized Finish, Add</i>	240.50	
			<i>For Black Anodized Finish, Add</i>	481.01	
			<i>For &gt;10 To 20, Deduct</i>	-115.30	
			<i>For &gt;20 To 40, Deduct</i>	-206.54	
			<i>For &gt;40, Deduct</i>	-437.13	
26 56	13 00-0415	EA	35' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	3,415.26	392.19
			<i>For Bronze Or Satin Anodized Finish, Add</i>	263.09	
			<i>For Black Anodized Finish, Add</i>	526.17	
			<i>For &gt;10 To 20, Deduct</i>	-124.84	
			<i>For &gt;20 To 40, Deduct</i>	-223.38	
			<i>For &gt;40, Deduct</i>	-473.07	
26 56	13 00-0416	EA	37' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	3,526.22	402.52
			<i>For Bronze Or Satin Anodized Finish, Add</i>	272.12	
			<i>For Black Anodized Finish, Add</i>	544.24	
			<i>For &gt;10 To 20, Deduct</i>	-128.97	
			<i>For &gt;20 To 40, Deduct</i>	-230.74	
			<i>For &gt;40, Deduct</i>	-488.68	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0417	EA		39' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,769.87 294.42 588.84 -138.41 -247.38 -524.20	412.83
26 56 13 00-0418	EA		28' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,742.00 304.02 608.04 -139.15 -247.90 -526.21	350.91
26 56 13 00-0419	EA		30' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,955.47 321.24 642.47 -147.07 -262.02 -556.17	371.55
26 56 13 00-0420	EA		33' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	4,144.07 338.03 676.07 -154.31 -274.81 -583.42	381.87
26 56 13 00-0421	EA		35' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	4,447.00 366.26 732.52 -166.11 -295.60 -627.83	392.19
26 56 13 00-0422	EA		37' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	4,498.68 369.37 738.73 -167.87 -298.81 -634.55	402.52
26 56 13 00-0423	EA		39' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	4,800.20 397.45 794.91 -179.62 -319.50 -678.75	412.83
26 56 13 00-0424	EA		48' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	5,866.51 462.80 925.60 -216.08 -385.89 -818.05	619.25
26 56 13 00-0425	EA		50' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	6,041.53 480.30 960.61 -223.08 -398.14 -844.30	619.25
<b>26 56 13 00-0426</b>			<b>Round Tapered, Aluminum Area Light Poles, Hinged Anchor Base</b> <small>(26 56 13 00-0354)</small>		
26 56 13 00-0427	EA		8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	950.58 105.43 -34.31 -61.59 -130.20	123.85
26 56 13 00-0428	EA		10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,021.51 109.88 -36.53 -65.73 -138.78	144.49
26 56 13 00-0429	EA		12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,093.84 114.54 -38.80 -69.96 -147.56	165.13
26 56 13 00-0430	EA		14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,169.00 119.62 -41.19 -74.40 -156.77	185.78
26 56 13 00-0431	EA		16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,242.74 124.49 -43.52 -78.74 -165.77	206.42

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0432	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,038.45 112.42 -37.20 -66.91 -141.32	144.49
26 56	13 00-0433	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,113.60 117.50 -39.59 -71.35 -150.53	165.13
26 56	13 00-0434	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,191.58 123.00 -42.09 -75.98 -160.16	185.78
26 56	13 00-0435	EA	16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,268.14 128.30 -44.53 -80.51 -169.58	206.42
26 56	13 00-0436	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,363.07 136.34 -47.71 -86.33 -181.75	227.06
26 56	13 00-0437	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,445.28 142.48 -50.38 -91.26 -192.02	247.70
26 56	13 00-0438	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,168.65 125.76 -41.79 -75.20 -158.78	165.13
26 56	13 00-0439	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,253.68 132.32 -44.57 -80.33 -169.47	185.78
26 56	13 00-0440	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,355.65 141.42 -48.03 -86.64 -182.71	206.42
26 56	13 00-0441	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,443.52 148.41 -50.93 -91.96 -193.82	227.06
26 56	13 00-0442	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,549.72 158.15 -54.56 -98.57 -207.69	247.70
26 56	13 00-0443	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,436.10 153.49 -51.25 -92.27 -194.77	206.42
26 56	13 00-0444	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,552.20 164.71 -55.28 -99.57 -210.12	227.06
26 56	13 00-0445	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,637.23 171.27 -58.06 -104.70 -220.81	247.70
26 56	13 00-0446	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,212.40 132.32 -43.54 -78.26 -165.35	165.13
26 56	13 00-0447	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,320.02 142.27 -47.23 -84.97 -179.43	185.78
26 56	13 00-0448	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,436.10 153.49 -51.25 -92.27 -194.77	206.42



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0449	EA		18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,535.26 162.17 -54.60 -98.39 -207.58	227.06
26 56 13 00-0450	EA		20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,644.29 172.33 -58.34 -105.19 -221.87	247.70
26 56 13 00-0451	EA		16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,527.84 167.25 -54.92 -98.69 -208.53	206.42
26 56 13 00-0452	EA		18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,655.23 180.17 -59.40 -106.78 -225.58	227.06
26 56 13 00-0453	EA		20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,747.32 187.79 -62.46 -112.40 -237.33	247.70
<b>26 56 13 00-0454</b>			<b>Round Tapered, Aluminum Area Light Poles, Direct Burial</b> <small>(26 56 13 00-0354)</small> Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0455	EA		8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	624.20 41.78 83.56 -21.87 -39.57 -83.31	103.21
26 56 13 00-0456	EA		10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	663.72 45.73 91.46 -23.45 -42.33 -89.24	103.21
26 56 13 00-0457	EA		12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	716.82 48.98 97.95 -25.27 -45.64 -96.17	113.53
26 56 13 00-0458	EA		14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	760.04 51.23 102.47 -26.69 -48.25 -101.62	123.85
26 56 13 00-0459	EA		16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	810.85 56.32 112.63 -28.72 -51.81 -109.24	123.85
26 56 13 00-0460	EA		12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	754.93 52.79 105.57 -26.79 -48.30 -101.89	113.53
26 56 13 00-0461	EA		14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	815.09 56.74 113.48 -28.89 -52.10 -109.88	123.85
26 56 13 00-0462	EA		16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	843.32 59.56 119.12 -30.02 -54.08 -114.11	123.85
26 56 13 00-0463	EA		18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	909.12 64.08 128.16 -32.34 -58.27 -122.95	134.18

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0464	EA		20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	969.29	144.49
			<i>For Bronze Or Satin Anodized Finish, Add</i>	68.03	
			<i>For Black Anodized Finish, Add</i>	136.06	
			<i>For &gt;10 To 20, Deduct</i>	-34.44	
			<i>For &gt;20 To 40, Deduct</i>	-62.07	
			<i>For &gt;40, Deduct</i>	-130.94	
26 56 13 00-0465	EA		16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	925.18	123.85
			<i>For Bronze Or Satin Anodized Finish, Add</i>	67.75	
			<i>For Black Anodized Finish, Add</i>	135.50	
			<i>For &gt;10 To 20, Deduct</i>	-33.29	
			<i>For &gt;20 To 40, Deduct</i>	-59.81	
			<i>For &gt;40, Deduct</i>	-126.39	
26 56 13 00-0466	EA		18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	999.45	134.18
			<i>For Bronze Or Satin Anodized Finish, Add</i>	73.11	
			<i>For Black Anodized Finish, Add</i>	146.22	
			<i>For &gt;10 To 20, Deduct</i>	-35.95	
			<i>For &gt;20 To 40, Deduct</i>	-64.59	
			<i>For &gt;40, Deduct</i>	-136.50	
26 56 13 00-0467	EA		20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,066.68	144.49
			<i>For Bronze Or Satin Anodized Finish, Add</i>	77.77	
			<i>For Black Anodized Finish, Add</i>	155.54	
			<i>For &gt;10 To 20, Deduct</i>	-38.33	
			<i>For &gt;20 To 40, Deduct</i>	-68.89	
			<i>For &gt;40, Deduct</i>	-145.55	
26 56 13 00-0468	EA		18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,115.19	134.18
			<i>For Bronze Or Satin Anodized Finish, Add</i>	84.69	
			<i>For Black Anodized Finish, Add</i>	169.37	
			<i>For &gt;10 To 20, Deduct</i>	-40.58	
			<i>For &gt;20 To 40, Deduct</i>	-72.70	
			<i>For &gt;40, Deduct</i>	-153.86	
26 56 13 00-0469	EA		25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,441.05	165.13
			<i>For Bronze Or Satin Anodized Finish, Add</i>	111.08	
			<i>For Black Anodized Finish, Add</i>	222.16	
			<i>For &gt;10 To 20, Deduct</i>	-52.69	
			<i>For &gt;20 To 40, Deduct</i>	-94.27	
			<i>For &gt;40, Deduct</i>	-199.64	
26 56 13 00-0470	EA		25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,600.54	165.13
			<i>For Bronze Or Satin Anodized Finish, Add</i>	127.03	
			<i>For Black Anodized Finish, Add</i>	254.05	
			<i>For &gt;10 To 20, Deduct</i>	-59.07	
			<i>For &gt;20 To 40, Deduct</i>	-105.43	
			<i>For &gt;40, Deduct</i>	-223.57	
26 56 13 00-0471	EA		30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,778.73	185.78
			<i>For Bronze Or Satin Anodized Finish, Add</i>	140.72	
			<i>For Black Anodized Finish, Add</i>	281.44	
			<i>For &gt;10 To 20, Deduct</i>	-65.58	
			<i>For &gt;20 To 40, Deduct</i>	-117.08	
			<i>For &gt;40, Deduct</i>	-248.23	
26 56 13 00-0472	EA		30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,952.33	185.78
			<i>For Bronze Or Satin Anodized Finish, Add</i>	158.08	
			<i>For Black Anodized Finish, Add</i>	316.16	
			<i>For &gt;10 To 20, Deduct</i>	-72.52	
			<i>For &gt;20 To 40, Deduct</i>	-129.23	
			<i>For &gt;40, Deduct</i>	-274.27	
26 56 13 00-0473			Square Straight, Aluminum Area Light Poles <small>(26 56 13 00-0294)</small>		
26 56 13 00-0474			Square Straight, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0473)</small>		
26 56 13 00-0475	EA		8' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	830.61	123.85
			<i>For Bronze Or Satin Anodized Finish, Add</i>	58.29	
			<i>For Black Anodized Finish, Add</i>	116.58	
			<i>For &gt;10 To 20, Deduct</i>	-29.51	
			<i>For &gt;20 To 40, Deduct</i>	-53.19	
			<i>For &gt;40, Deduct</i>	-112.21	
26 56 13 00-0476	EA		10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	901.54	144.49
			<i>For Bronze Or Satin Anodized Finish, Add</i>	61.26	
			<i>For Black Anodized Finish, Add</i>	122.51	
			<i>For &gt;10 To 20, Deduct</i>	-31.73	
			<i>For &gt;20 To 40, Deduct</i>	-57.33	
			<i>For &gt;40, Deduct</i>	-120.78	
26 56 13 00-0477	EA		12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	983.75	165.13
			<i>For Bronze Or Satin Anodized Finish, Add</i>	65.35	
			<i>For Black Anodized Finish, Add</i>	130.70	
			<i>For &gt;10 To 20, Deduct</i>	-34.40	
			<i>For &gt;20 To 40, Deduct</i>	-62.26	
			<i>For &gt;40, Deduct</i>	-131.05	
26 56 13 00-0478	EA		14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,064.55	185.78
			<i>For Bronze Or Satin Anodized Finish, Add</i>	69.30	
			<i>For Black Anodized Finish, Add</i>	138.60	
			<i>For &gt;10 To 20, Deduct</i>	-37.01	
			<i>For &gt;20 To 40, Deduct</i>	-67.09	
			<i>For &gt;40, Deduct</i>	-141.11	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0479	EA	15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,110.60 71.84 143.68 -38.54 -69.90 -146.98	196.09
26 56	13 00-0480	EA	16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,156.64 74.38 148.76 -40.07 -72.71 -152.85	206.42
26 56	13 00-0481	EA	18' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,245.92 79.18 158.36 -43.03 -78.13 -164.18	227.06
26 56	13 00-0482	EA	20' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,347.89 85.25 170.50 -46.48 -84.44 -177.41	247.70
26 56	13 00-0483	EA	16' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,254.03 84.12 168.24 -43.97 -79.53 -167.46	206.42
26 56	13 00-0484	EA	18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,346.13 89.20 178.40 -47.03 -85.15 -179.21	227.06
26 56	13 00-0485	EA	20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,456.57 96.12 192.23 -50.83 -92.05 -193.72	247.70
26 56	13 00-0486	EA	15' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,534.02 114.18 228.37 -55.48 -99.54 -210.49	196.09
26 56	13 00-0487	EA	20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,861.64 136.62 273.25 -67.03 -120.41 -254.48	247.70
26 56	13 00-0488	EA	25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,203.21 154.27 308.53 -78.22 -141.01 -297.45	330.27
26 56	13 00-0489	EA	20' High, 4" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,544.08 104.87 209.74 -54.33 -98.18 -206.84	247.70
26 56	13 00-0490	EA	20' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,032.43 153.70 307.41 -73.87 -132.36 -280.09	247.70
26 56	13 00-0491	EA	25' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,358.47 169.79 339.59 -84.43 -151.88 -320.74	330.27
26 56	13 00-0492	EA	20' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,300.59 180.52 361.04 -84.59 -151.13 -320.32	247.70



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0493	EA		25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base .....	2,708.50	330.27
			<i>For Bronze Or Satin Anodized Finish, Add</i>	204.80	
			<i>For Black Anodized Finish, Add</i>	409.59	
			<i>For &gt;10 To 20, Deduct</i>	-98.43	
			<i>For &gt;20 To 40, Deduct</i>	-176.38	
			<i>For &gt;40, Deduct</i>	-373.25	
26 56 13 00-0494	EA		30' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base .....	3,155.20	371.55
			<i>For Bronze Or Satin Anodized Finish, Add</i>	241.21	
			<i>For Black Anodized Finish, Add</i>	482.42	
			<i>For &gt;10 To 20, Deduct</i>	-115.06	
			<i>For &gt;20 To 40, Deduct</i>	-206.00	
			<i>For &gt;40, Deduct</i>	-436.13	
<b>26 56 13 00-0495</b>			<b>Square Straight, Aluminum Area Light Poles, Direct Burial</b> <small>(26 56 13 00-0473)</small>		
			Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0496	EA		10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial .....	762.52	103.21
			<i>For Bronze Or Satin Anodized Finish, Add</i>	55.61	
			<i>For Black Anodized Finish, Add</i>	111.22	
			<i>For &gt;10 To 20, Deduct</i>	-27.40	
			<i>For &gt;20 To 40, Deduct</i>	-49.25	
			<i>For &gt;40, Deduct</i>	-104.06	
26 56 13 00-0497	EA		12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial .....	855.14	113.53
			<i>For Bronze Or Satin Anodized Finish, Add</i>	62.81	
			<i>For Black Anodized Finish, Add</i>	125.62	
			<i>For &gt;10 To 20, Deduct</i>	-30.80	
			<i>For &gt;20 To 40, Deduct</i>	-55.32	
			<i>For &gt;40, Deduct</i>	-116.92	
26 56 13 00-0498	EA		14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial .....	905.42	123.85
			<i>For Bronze Or Satin Anodized Finish, Add</i>	65.77	
			<i>For Black Anodized Finish, Add</i>	131.54	
			<i>For &gt;10 To 20, Deduct</i>	-32.50	
			<i>For &gt;20 To 40, Deduct</i>	-58.43	
			<i>For &gt;40, Deduct</i>	-123.43	
26 56 13 00-0499	EA		15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial .....	940.70	123.85
			<i>For Bronze Or Satin Anodized Finish, Add</i>	69.30	
			<i>For Black Anodized Finish, Add</i>	138.60	
			<i>For &gt;10 To 20, Deduct</i>	-33.91	
			<i>For &gt;20 To 40, Deduct</i>	-60.90	
			<i>For &gt;40, Deduct</i>	-128.72	
26 56 13 00-0500	EA		16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial .....	984.46	123.85
			<i>For Bronze Or Satin Anodized Finish, Add</i>	73.68	
			<i>For Black Anodized Finish, Add</i>	147.35	
			<i>For &gt;10 To 20, Deduct</i>	-35.66	
			<i>For &gt;20 To 40, Deduct</i>	-63.96	
			<i>For &gt;40, Deduct</i>	-135.28	
26 56 13 00-0501	EA		18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial .....	1,154.71	134.18
			<i>For Bronze Or Satin Anodized Finish, Add</i>	88.64	
			<i>For Black Anodized Finish, Add</i>	177.27	
			<i>For &gt;10 To 20, Deduct</i>	-42.16	
			<i>For &gt;20 To 40, Deduct</i>	-75.46	
			<i>For &gt;40, Deduct</i>	-159.79	
26 56 13 00-0502	EA		20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial .....	1,236.05	144.49
			<i>For Bronze Or Satin Anodized Finish, Add</i>	94.71	
			<i>For Black Anodized Finish, Add</i>	189.41	
			<i>For &gt;10 To 20, Deduct</i>	-45.11	
			<i>For &gt;20 To 40, Deduct</i>	-80.74	
			<i>For &gt;40, Deduct</i>	-170.96	
26 56 13 00-0503	EA		20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial .....	1,457.64	144.49
			<i>For Bronze Or Satin Anodized Finish, Add</i>	116.87	
			<i>For Black Anodized Finish, Add</i>	233.73	
			<i>For &gt;10 To 20, Deduct</i>	-53.97	
			<i>For &gt;20 To 40, Deduct</i>	-96.26	
			<i>For &gt;40, Deduct</i>	-204.20	
26 56 13 00-0504	EA		25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial .....	1,676.76	165.13
			<i>For Bronze Or Satin Anodized Finish, Add</i>	134.65	
			<i>For Black Anodized Finish, Add</i>	269.30	
			<i>For &gt;10 To 20, Deduct</i>	-62.12	
			<i>For &gt;20 To 40, Deduct</i>	-110.77	
			<i>For &gt;40, Deduct</i>	-235.00	
26 56 13 00-0505	EA		25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Direct Burial .....	2,172.16	165.13
			<i>For Bronze Or Satin Anodized Finish, Add</i>	184.19	
			<i>For Black Anodized Finish, Add</i>	368.38	
			<i>For &gt;10 To 20, Deduct</i>	-81.93	
			<i>For &gt;20 To 40, Deduct</i>	-145.45	
			<i>For &gt;40, Deduct</i>	-309.31	
<b>26 56 13 00-0506</b>			<b>Factory Accessories For Aluminum Area Light Poles</b> <small>(26 56 13 00-0294)</small>		
26 56 13 00-0507	EA		1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Aluminum Area Light Poles .....	45.26	
26 56 13 00-0508	EA		Extra Handhole For Aluminum Area Light Poles.....	52.61	
26 56 13 00-0509	EA		Vibration Dampener For Aluminum Area Light Poles.....	68.46	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0510 <b>Fiberglass Area Light Poles</b> <small>(26 56 13 00-0177)</small> Note: Includes UV resistant textured weave finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions and tenon top.		
26 56 13 00-0511 <b>Round Tapered, Fiberglass Area Light Poles</b> <small>(26 56 13 00-0510)</small>		
26 56 13 00-0512 <b>Round Tapered, Fiberglass Area Light Poles, Anchor Base</b> <small>(26 56 13 00-0511)</small>		
26 56 13 00-0513 EA 10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,039.54	144.49
For >10 To 20, Deduct	-37.25	
For >20 To 40, Deduct	-66.99	
For >40, Deduct	-141.48	
26 56 13 00-0514 EA 12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,125.49	165.13
For >10 To 20, Deduct	-40.07	
For >20 To 40, Deduct	-72.18	
For >40, Deduct	-152.31	
26 56 13 00-0515 EA 14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,212.72	185.78
For >10 To 20, Deduct	-42.94	
For >20 To 40, Deduct	-77.46	
For >40, Deduct	-163.33	
26 56 13 00-0516 EA 16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,298.68	206.42
For >10 To 20, Deduct	-45.75	
For >20 To 40, Deduct	-82.65	
For >40, Deduct	-174.16	
26 56 13 00-0517 EA 18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,407.62	227.06
For >10 To 20, Deduct	-49.49	
For >20 To 40, Deduct	-89.45	
For >40, Deduct	-188.44	
26 56 13 00-0518 EA 20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,496.13	247.70
For >10 To 20, Deduct	-52.41	
For >20 To 40, Deduct	-94.82	
For >40, Deduct	-199.65	
26 56 13 00-0519 EA 22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,624.64	288.99
For >10 To 20, Deduct	-56.32	
For >20 To 40, Deduct	-102.17	
For >40, Deduct	-214.80	
26 56 13 00-0520 EA 24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,751.90	330.27
For >10 To 20, Deduct	-60.17	
For >20 To 40, Deduct	-109.42	
For >40, Deduct	-229.76	
26 56 13 00-0521 EA 26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,855.29	330.27
For >10 To 20, Deduct	-64.30	
For >20 To 40, Deduct	-116.66	
For >40, Deduct	-245.27	
26 56 13 00-0522 EA 28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,987.20	350.91
For >10 To 20, Deduct	-68.96	
For >20 To 40, Deduct	-125.07	
For >40, Deduct	-262.99	
26 56 13 00-0523 EA 30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,119.10	371.55
For >10 To 20, Deduct	-73.62	
For >20 To 40, Deduct	-133.48	
For >40, Deduct	-280.71	
26 56 13 00-0524 EA 10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,156.97	144.49
For >10 To 20, Deduct	-41.94	
For >20 To 40, Deduct	-75.21	
For >40, Deduct	-159.10	
26 56 13 00-0525 EA 12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,219.95	165.13
For >10 To 20, Deduct	-43.84	
For >20 To 40, Deduct	-78.79	
For >40, Deduct	-166.48	
26 56 13 00-0526 EA 14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,284.20	185.78
For >10 To 20, Deduct	-45.79	
For >20 To 40, Deduct	-82.46	
For >40, Deduct	-174.05	
26 56 13 00-0527 EA 16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,351.01	206.42
For >10 To 20, Deduct	-47.85	
For >20 To 40, Deduct	-86.31	
For >40, Deduct	-182.01	
26 56 13 00-0528 EA 18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,424.21	227.06
For >10 To 20, Deduct	-50.16	
For >20 To 40, Deduct	-90.61	
For >40, Deduct	-190.93	
26 56 13 00-0529 EA 20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,496.13	247.70
For >10 To 20, Deduct	-52.41	
For >20 To 40, Deduct	-94.82	
For >40, Deduct	-199.65	
26 56 13 00-0530 EA 22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,609.32	288.99
For >10 To 20, Deduct	-55.70	
For >20 To 40, Deduct	-101.09	
For >40, Deduct	-212.50	
26 56 13 00-0531 EA 24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,751.90	330.27
For >10 To 20, Deduct	-60.17	
For >20 To 40, Deduct	-109.42	
For >40, Deduct	-229.76	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0532 EA 26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,795.30	330.27
For >10 To 20, Deduct	-61.90	
For >20 To 40, Deduct	-112.46	
For >40, Deduct	-236.27	
26 56 13 00-0533 EA 28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,881.25	350.91
For >10 To 20, Deduct	-64.72	
For >20 To 40, Deduct	-117.65	
For >40, Deduct	-247.10	
26 56 13 00-0534 EA 30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,967.21	371.55
For >10 To 20, Deduct	-67.54	
For >20 To 40, Deduct	-122.84	
For >40, Deduct	-257.93	
26 56 13 00-0535 EA 10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,329.29	144.49
For >10 To 20, Deduct	-48.84	
For >20 To 40, Deduct	-87.27	
For >40, Deduct	-184.94	
26 56 13 00-0536 EA 12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,410.14	165.13
For >10 To 20, Deduct	-51.45	
For >20 To 40, Deduct	-92.10	
For >40, Deduct	-195.01	
26 56 13 00-0537 EA 14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,490.99	185.78
For >10 To 20, Deduct	-54.07	
For >20 To 40, Deduct	-96.94	
For >40, Deduct	-205.07	
26 56 13 00-0538 EA 16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,573.11	206.42
For >10 To 20, Deduct	-56.73	
For >20 To 40, Deduct	-101.86	
For >40, Deduct	-215.33	
26 56 13 00-0539 EA 18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,660.36	227.06
For >10 To 20, Deduct	-59.60	
For >20 To 40, Deduct	-107.14	
For >40, Deduct	-226.35	
26 56 13 00-0540 EA 20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,755.25	247.70
For >10 To 20, Deduct	-62.78	
For >20 To 40, Deduct	-112.96	
For >40, Deduct	-238.52	
26 56 13 00-0541 EA 22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,902.90	288.99
For >10 To 20, Deduct	-67.45	
For >20 To 40, Deduct	-121.64	
For >40, Deduct	-256.54	
26 56 13 00-0542 EA 24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,051.86	330.27
For >10 To 20, Deduct	-72.17	
For >20 To 40, Deduct	-130.42	
For >40, Deduct	-274.75	
26 56 13 00-0543 EA 26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,118.23	330.27
For >10 To 20, Deduct	-74.82	
For >20 To 40, Deduct	-135.07	
For >40, Deduct	-284.71	
26 56 13 00-0544 EA 28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,264.18	350.91
For >10 To 20, Deduct	-80.04	
For >20 To 40, Deduct	-144.46	
For >40, Deduct	-304.54	
26 56 13 00-0545 EA 30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,380.77	371.55
For >10 To 20, Deduct	-84.08	
For >20 To 40, Deduct	-151.79	
For >40, Deduct	-319.96	
26 56 13 00-0546 EA 32' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,476.72	381.87
For >10 To 20, Deduct	-87.61	
For >20 To 40, Deduct	-158.10	
For >40, Deduct	-333.32	
26 56 13 00-0547 EA 34' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,572.68	392.19
For >10 To 20, Deduct	-91.14	
For >20 To 40, Deduct	-164.40	
For >40, Deduct	-346.68	
<b>26 56 13 00-0548 Round Tapered, Fiberglass Area Light Poles, Direct Burial</b> (26 56 13 00-0511)		
26 56 13 00-0549 EA 10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	635.30	103.21
For >10 To 20, Deduct	-22.32	
For >20 To 40, Deduct	-40.34	
For >40, Deduct	-84.97	
26 56 13 00-0550 EA 12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	680.20	113.53
For >10 To 20, Deduct	-23.80	
For >20 To 40, Deduct	-43.07	
For >40, Deduct	-90.68	
26 56 13 00-0551 EA 14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	723.81	123.85
For >10 To 20, Deduct	-25.24	
For >20 To 40, Deduct	-45.71	
For >40, Deduct	-96.19	
26 56 13 00-0552 EA 16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	745.51	123.85
For >10 To 20, Deduct	-26.10	
For >20 To 40, Deduct	-47.23	
For >40, Deduct	-99.44	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0553	EA		18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	801.89	134.18
			<i>For &gt;10 To 20, Deduct</i>	-28.05	
			<i>For &gt;20 To 40, Deduct</i>	-50.77	
			<i>For &gt;40, Deduct</i>	-106.87	
26 56 13 00-0554	EA		20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	848.07	144.49
			<i>For &gt;10 To 20, Deduct</i>	-29.59	
			<i>For &gt;20 To 40, Deduct</i>	-53.59	
			<i>For &gt;40, Deduct</i>	-112.76	
26 56 13 00-0555	EA		22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	898.06	154.81
			<i>For &gt;10 To 20, Deduct</i>	-31.28	
			<i>For &gt;20 To 40, Deduct</i>	-56.67	
			<i>For &gt;40, Deduct</i>	-119.23	
26 56 13 00-0556	EA		24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	954.45	165.13
			<i>For &gt;10 To 20, Deduct</i>	-33.22	
			<i>For &gt;20 To 40, Deduct</i>	-60.21	
			<i>For &gt;40, Deduct</i>	-126.65	
26 56 13 00-0557	EA		26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,076.99	165.13
			<i>For &gt;10 To 20, Deduct</i>	-38.13	
			<i>For &gt;20 To 40, Deduct</i>	-68.78	
			<i>For &gt;40, Deduct</i>	-145.04	
26 56 13 00-0558	EA		28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,220.17	175.46
			<i>For &gt;10 To 20, Deduct</i>	-43.54	
			<i>For &gt;20 To 40, Deduct</i>	-78.39	
			<i>For &gt;40, Deduct</i>	-165.48	
26 56 13 00-0559	EA		30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,363.34	185.78
			<i>For &gt;10 To 20, Deduct</i>	-48.96	
			<i>For &gt;20 To 40, Deduct</i>	-88.00	
			<i>For &gt;40, Deduct</i>	-185.92	
26 56 13 00-0560	EA		10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	752.74	103.21
			<i>For &gt;10 To 20, Deduct</i>	-27.01	
			<i>For &gt;20 To 40, Deduct</i>	-48.56	
			<i>For &gt;40, Deduct</i>	-102.59	
26 56 13 00-0561	EA		12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	804.01	113.53
			<i>For &gt;10 To 20, Deduct</i>	-28.75	
			<i>For &gt;20 To 40, Deduct</i>	-51.74	
			<i>For &gt;40, Deduct</i>	-109.25	
26 56 13 00-0562	EA		14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	855.29	123.85
			<i>For &gt;10 To 20, Deduct</i>	-30.50	
			<i>For &gt;20 To 40, Deduct</i>	-54.92	
			<i>For &gt;40, Deduct</i>	-115.91	
26 56 13 00-0563	EA		16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	887.20	123.85
			<i>For &gt;10 To 20, Deduct</i>	-31.77	
			<i>For &gt;20 To 40, Deduct</i>	-57.15	
			<i>For &gt;40, Deduct</i>	-120.70	
26 56 13 00-0564	EA		18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	938.47	134.18
			<i>For &gt;10 To 20, Deduct</i>	-33.51	
			<i>For &gt;20 To 40, Deduct</i>	-60.33	
			<i>For &gt;40, Deduct</i>	-127.35	
26 56 13 00-0565	EA		20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	989.76	144.49
			<i>For &gt;10 To 20, Deduct</i>	-35.26	
			<i>For &gt;20 To 40, Deduct</i>	-63.50	
			<i>For &gt;40, Deduct</i>	-134.01	
26 56 13 00-0566	EA		22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,041.02	154.81
			<i>For &gt;10 To 20, Deduct</i>	-37.00	
			<i>For &gt;20 To 40, Deduct</i>	-66.68	
			<i>For &gt;40, Deduct</i>	-140.67	
26 56 13 00-0567	EA		24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,121.66	165.13
			<i>For &gt;10 To 20, Deduct</i>	-39.91	
			<i>For &gt;20 To 40, Deduct</i>	-71.91	
			<i>For &gt;40, Deduct</i>	-151.74	
26 56 13 00-0568	EA		26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,240.37	165.13
			<i>For &gt;10 To 20, Deduct</i>	-44.66	
			<i>For &gt;20 To 40, Deduct</i>	-80.22	
			<i>For &gt;40, Deduct</i>	-169.54	
26 56 13 00-0569	EA		28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,381.00	175.46
			<i>For &gt;10 To 20, Deduct</i>	-49.98	
			<i>For &gt;20 To 40, Deduct</i>	-89.65	
			<i>For &gt;40, Deduct</i>	-189.60	
26 56 13 00-0570	EA		30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,520.35	185.78
			<i>For &gt;10 To 20, Deduct</i>	-55.24	
			<i>For &gt;20 To 40, Deduct</i>	-98.99	
			<i>For &gt;40, Deduct</i>	-209.48	
26 56 13 00-0571	EA		10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	856.13	103.21
			<i>For &gt;10 To 20, Deduct</i>	-31.15	
			<i>For &gt;20 To 40, Deduct</i>	-55.80	
			<i>For &gt;40, Deduct</i>	-118.10	
26 56 13 00-0572	EA		12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	899.74	113.53
			<i>For &gt;10 To 20, Deduct</i>	-32.58	
			<i>For &gt;20 To 40, Deduct</i>	-58.44	
			<i>For &gt;40, Deduct</i>	-123.61	
26 56 13 00-0573	EA		14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	942.08	123.85
			<i>For &gt;10 To 20, Deduct</i>	-33.97	
			<i>For &gt;20 To 40, Deduct</i>	-60.99	
			<i>For &gt;40, Deduct</i>	-128.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0574 EA 16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	963.78	123.85
For >10 To 20, Deduct	-34.84	
For >20 To 40, Deduct	-62.51	
For >40, Deduct	-132.18	
26 56 13 00-0575 EA 18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,006.12	134.18
For >10 To 20, Deduct	-36.22	
For >20 To 40, Deduct	-65.06	
For >40, Deduct	-137.50	
26 56 13 00-0576 EA 20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,049.75	144.49
For >10 To 20, Deduct	-37.66	
For >20 To 40, Deduct	-67.70	
For >40, Deduct	-143.01	
26 56 13 00-0577 EA 22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,136.75	154.81
For >10 To 20, Deduct	-40.83	
For >20 To 40, Deduct	-73.38	
For >40, Deduct	-155.03	
26 56 13 00-0578 EA 24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,239.10	165.13
For >10 To 20, Deduct	-44.61	
For >20 To 40, Deduct	-80.13	
For >40, Deduct	-169.35	
26 56 13 00-0579 EA 26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,313.13	165.13
For >10 To 20, Deduct	-47.57	
For >20 To 40, Deduct	-85.31	
For >40, Deduct	-180.46	
26 56 13 00-0580 EA 28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,409.08	175.46
For >10 To 20, Deduct	-51.10	
For >20 To 40, Deduct	-91.62	
For >40, Deduct	-193.82	
26 56 13 00-0581 EA 30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,505.03	185.78
For >10 To 20, Deduct	-54.63	
For >20 To 40, Deduct	-97.92	
For >40, Deduct	-207.18	
<b>26 56 13 00-0582 Factory Accessories For Fiberglass Area Light Poles (26 56 13 00-0510)</b>		
26 56 13 00-0583 EA Open Or Capped Top For Fiberglass Area Light Poles.....	45.26	
26 56 13 00-0584 EA Factory Side Drilling Up To Four Fixtures On Fiberglass Area Light Poles.....	45.26	
26 56 13 00-0585 EA Smooth Shaft Finish For Fiberglass Area Light Poles.....	85.87	
26 56 13 00-0586 EA Vibration Dampener For Fiberglass Area Light Poles.....	113.72	
<b>26 56 13 00-0587 Concrete Area Light Poles (26 56 13 00-0177)</b>		
<b>26 56 13 00-0588 Octagonal Tapered, Spun Concrete Area Light Poles, Anchor Base (26 56 13 00-0587)</b>		
26 56 13 00-0589 EA 28' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	1,975.24	350.91
26 56 13 00-0590 EA 30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,080.19	371.55
26 56 13 00-0591 EA 33' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,163.02	381.87
26 56 13 00-0592 EA 36' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,811.20	392.19
26 56 13 00-0593 EA 38' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	3,156.49	412.83
26 56 13 00-0594 EA 43' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	3,869.00	536.68
26 56 13 00-0595 EA 47' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	4,609.14	660.54
26 56 13 00-0596 EA 27' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	4,894.36	350.91
Note: Polished brown with acrylic coating finish.		
26 56 13 00-0597 EA 30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	5,697.93	371.55
Note: Polished brown with acrylic coating finish.		
26 56 13 00-0598 EA Pole Adapter Base Plate, Galvanized Steel, 1" Thick For Adapting Up To 40'.....	404.87	123.85
26 56 13 00-0599 EA 13' High Concrete Octagonal Area Light Pole, Pink With Acrylic Coating, Finish Design.....	2,945.43	247.62
26 56 13 00-0600 EA Pole Base Cover For All Octagon Poles.....	156.98	50.54
26 56 13 00-0601 EA Pole Arms 24" Long, Square, 250 Watt Fixture, Dark, Architectural Bronze.....	321.89	101.06
<b>26 56 13 00-0602 Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0587)</b>		
Note: Round or square.		
26 56 13 00-0603 EA 13' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,433.80	165.13
26 56 13 00-0604 EA 16' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,720.95	206.42
26 56 13 00-0605 EA 18' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,975.43	247.70
26 56 13 00-0606 EA 30' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	4,106.97	371.55
26 56 13 00-0607 EA 35' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	4,789.38	392.19
26 56 13 00-0608 EA 40' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	5,529.71	412.83
26 56 13 00-0609 EA 45' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	6,324.65	536.68
<b>26 56 13 00-0610 Round Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0587)</b>		
26 56 13 00-0611 EA 60' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 60 9-22).....	10,537.86	928.88
26 56 13 00-0612 EA 70' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 70 9-24).....	12,512.60	1,114.92
26 56 13 00-0613 EA 80' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C1 80 9-26).....	14,850.10	1,506.12
<b>26 56 13 00-0614 Treated Wood Area Light Poles (26 56 13 00-0177)</b>		
See CSI section 26 05 46 00-0001 for wood poles.		
<b>26 56 13 00-0615 Cast Iron Decorative Light Posts (26 56 13 00-0177)</b>		



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 56 13 00-0616</b> <b>Round Tapered, Cast Iron Decorative Light Post, Anchor Base</b> <small>(26 56 13 00-0615)</small> Note: As manufactured by Hadco and King Luminaries or an approved equal.		
26 56 13 00-0617     EA     10' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	968.47	103.21
26 56 13 00-0618     EA     12' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	1,020.08	118.90
26 56 13 00-0619     EA     14' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	1,106.81	123.85
26 56 13 00-0620     EA     16' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	1,360.85	144.49
26 56 13 00-0621     EA     18' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	1,590.89	156.88
26 56 13 00-0622     EA     20' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	1,832.14	169.27
<b>26 56 13 00-0623</b> <b>Landscape Light Poles</b> <small>(26 56 13 00-0001)</small> Note: Excludes lighting fixtures.		
<b>26 56 13 00-0624</b> <b>Aluminum Landscape Light Poles</b> <small>(26 56 13 00-0623)</small> Note: Includes painted finish.		
<b>26 56 13 00-0625</b> <b>Round Straight, Aluminum Landscape Light Poles</b> <small>(26 56 13 00-0624)</small>		
<b>26 56 13 00-0626</b> <b>Round Straight, Aluminum Landscape Light Poles, Anchor Base</b> <small>(26 56 13 00-0625)</small>		
26 56 13 00-0627     EA     7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	373.30	123.85
26 56 13 00-0628     EA     12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	727.78	165.13
<b>26 56 13 00-0629</b> <b>Round Straight, Aluminum Landscape Light Poles, Direct Burial</b> <small>(26 56 13 00-0625)</small>		
26 56 13 00-0630     EA     7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial.....	314.19	123.85
26 56 13 00-0631     EA     12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial.....	668.67	165.13
<b>26 56 13 00-0632</b> <b>Steel Landscape Light Poles</b> <small>(26 56 13 00-0623)</small> Note: Includes painted finish.		
<b>26 56 13 00-0633</b> <b>Round Straight, Steel Landscape Light Poles</b> <small>(26 56 13 00-0632)</small>		
<b>26 56 13 00-0634</b> <b>Round Straight, Steel Landscape Light Poles, Anchor Base</b> <small>(26 56 13 00-0633)</small>		
26 56 13 00-0635     EA     6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Anchor Base.....	324.96	123.85
<b>26 56 13 00-0636</b> <b>Round Straight, Steel Landscape Light Poles, Direct Burial</b> <small>(26 56 13 00-0633)</small>		
26 56 13 00-0637     EA     6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Direct Burial.....	307.65	123.85
<b>26 56 13 00-0638</b> <b>Light Pole Brackets And Arms</b> <small>(26 56 13 00-0001)</small>		
<b>26 56 13 00-0639</b> <b>Light Pole Brackets</b> <small>(26 56 13 00-0638)</small>		
<b>26 56 13 00-0640</b> <b>Bullhorn Style, Pole Top Area Light Brackets</b> <small>(26 56 13 00-0639)</small>		
<b>26 56 13 00-0641</b> <b>Round Bullhorn Style, Pole Top Area Light Brackets</b> <small>(26 56 13 00-0640)</small>		
<b>26 56 13 00-0642</b> <b>Steel, Round Bullhorn Style, Pole Top Area Light Brackets</b> <small>(26 56 13 00-0641)</small> Note: Includes powdercoat finish.		
26 56 13 00-0643     EA     Two Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	359.38	24.77
For Galvanized Finish, Add	30.98	
26 56 13 00-0644     EA     Three Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	452.86	24.77
For Galvanized Finish, Add	40.33	
26 56 13 00-0645     EA     Three Tenons At 120 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	481.40	24.77
For Galvanized Finish, Add	43.19	
26 56 13 00-0646     EA     Four Tenons At 90 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	657.54	24.77
For Galvanized Finish, Add	60.80	
26 56 13 00-0647     EA     Four Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	684.97	24.77
For Galvanized Finish, Add	63.54	
<b>26 56 13 00-0648</b> <b>Aluminum, Round Bullhorn Style, Pole Top Area Light Brackets</b> <small>(26 56 13 00-0641)</small> Note: Includes satin brushed or painted finish.		
26 56 13 00-0649     EA     Two Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	279.60	24.77
For Bronze Or Satin Anodized Finish, Add	23.01	
For Black Anodized Finish, Add	46.01	
26 56 13 00-0650     EA     Three Tenons At 120 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	352.99	24.77
For Bronze Or Satin Anodized Finish, Add	30.35	
For Black Anodized Finish, Add	60.69	
26 56 13 00-0651     EA     Three Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	372.75	24.77
For Bronze Or Satin Anodized Finish, Add	32.32	
For Black Anodized Finish, Add	64.64	
26 56 13 00-0652     EA     Four Tenons At 90 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	441.91	24.77
For Bronze Or Satin Anodized Finish, Add	39.24	
For Black Anodized Finish, Add	78.47	
26 56 13 00-0653     EA     Four Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	456.03	24.77
For Bronze Or Satin Anodized Finish, Add	40.65	
For Black Anodized Finish, Add	81.30	
<b>26 56 13 00-0654</b> <b>Square Bullhorn Style, Pole Top Area Light Brackets</b> <small>(26 56 13 00-0640)</small>		



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 56 13 00-0655	Steel, Square Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0654)</small> Note: Includes powdercoat finish.		
26 56 13 00-0656	EA Two Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket.....	386.07	24.77
	For Galvanized Finish, Add	33.65	
26 56 13 00-0657	EA Three Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket .....	475.62	24.77
	For Galvanized Finish, Add	42.61	
26 56 13 00-0658	EA Four Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket .....	580.79	24.77
	For Galvanized Finish, Add	53.13	
26 56 13 00-0659	EA Four Tenons At 90 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket .....	686.45	24.77
	For Galvanized Finish, Add	63.69	
26 56 13 00-0660	Wood Pole Clamp On Style, Pole Top Area Light Brackets <small>(26 56 13 00-0639)</small>		
26 56 13 00-0661	Steel, Wood Pole Clamp On Style, Pole Top Area Light Brackets <small>(26 56 13 00-0660)</small> Note: Includes powdercoat finish.		
26 56 13 00-0662	EA One Tenon, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	369.16	41.28
26 56 13 00-0663	EA Two Tenons At 90, 120 Or 180 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket .....	552.43	41.28
26 56 13 00-0664	EA Three Tenons At 120 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket .....	769.28	41.28
26 56 13 00-0665	EA Four Tenons At 90 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket .....	840.62	41.28
26 56 13 00-0666	Light Pole Arms <small>(26 56 13 00-0638)</small>		
26 56 13 00-0667	Wood Pole Streetlight Arms <small>(26 56 13 00-0666)</small>		
26 56 13 00-0668	Steel, Wood Pole Streetlight Arms <small>(26 56 13 00-0667)</small>		
26 56 13 00-0669	EA 1-1/4" Arm Diameter, 2-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount .....	217.24	37.16
26 56 13 00-0670	EA 1-1/4" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount .....	230.29	41.28
26 56 13 00-0671	EA 1-1/4" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount .....	267.79	51.60
26 56 13 00-0672	EA 2" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount .....	318.11	41.28
26 56 13 00-0673	EA 2" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount .....	355.36	51.60
26 56 13 00-0674	EA 2" Arm Diameter, 7-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount .....	431.23	61.93
26 56 13 00-0675	Aluminum, Wood Pole Streetlight Arms <small>(26 56 13 00-0667)</small>		
26 56 13 00-0676	EA 1-1/4" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount .....	240.60	41.28
26 56 13 00-0677	EA 2" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount .....	321.66	41.28
26 56 13 00-0678	EA 2" Arm Diameter, 66" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount .....	438.61	51.60
26 56 13 00-0679	EA 2" Arm Diameter, 90" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount .....	589.14	61.93
26 56 13 00-0680	Area Light Arms <small>(26 56 13 00-0666)</small>		
26 56 13 00-0681	Steel Area Light Arms <small>(26 56 13 00-0680)</small>		
26 56 13 00-0682	EA Single, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount .....	409.33	41.28
26 56 13 00-0683	EA Two, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	638.41	45.41
26 56 13 00-0684	EA Three, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount .....	709.22	49.54
26 56 13 00-0685	EA Four, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount .....	841.29	53.66
26 56 13 00-0686	EA Single, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount .....	488.69	51.60
26 56 13 00-0687	EA Two, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	694.80	55.73
26 56 13 00-0688	Aluminum Area Light Arms <small>(26 56 13 00-0680)</small>		
26 56 13 00-0689	EA Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount .....	312.62	41.28
26 56 13 00-0690	EA Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount .....	384.08	51.60
26 56 13 00-0691	EA Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount .....	458.35	61.93
26 56 13 00-0692	EA Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount .....	309.80	41.28
26 56 13 00-0693	EA Two, 4' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount .....	470.49	45.41
26 56 13 00-0694	EA Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount .....	378.43	51.60
26 56 13 00-0695	EA Two, 6' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount .....	573.00	55.73
26 56 13 00-0696	EA Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount .....	461.18	61.93
26 56 13 00-0697	EA Two, 8' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount .....	699.50	66.06
26 56 13 00-0698	Removal And Reinstallation Of Lighting Pole <small>(26 56 13 00-0001)</small>		
26 56 13 00-0699	EA Removal And Relocation Of Up To 45' Lighting Pole And Standards With One Or Two Arms .....	1,362.49	
26 56 13 00-0700	High Mast Lighting <small>(26 56 13 00-0001)</small>		
26 56 13 00-0701	High Mast Lighting Assemblies <small>(26 56 13 00-0700)</small> Note: Includes non-latching system, ring assembly with internal bumper, acrylic top cover, pulley supports, cast arm filter for pipe tension, transition assembly, standard head frame assembly, standard hoist, and powder coated pole.		
26 56 13 00-0702	EA 60' High Mast Lighting Assembly .....	32,094.36	1,237.60
26 56 13 00-0703	EA 70' High Mast Lighting Assembly .....	33,901.52	1,296.20
26 56 13 00-0704	EA 80' High Mast Lighting Assembly .....	35,729.22	1,380.85
26 56 13 00-0705	EA 90' High Mast Lighting Assembly .....	37,576.36	1,491.57
26 56 13 00-0706	EA 100' High Mast Lighting Assembly .....	39,434.25	1,628.27
26 56 13 00-0707	EA 110' High Mast Lighting Assembly .....	41,825.16	1,791.23
26 56 13 00-0708	EA 120' High Mast Lighting Assembly .....	43,757.09	1,954.04



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0709 EA 130' High Mast Lighting Assembly.....	45,541.49	2,116.86
26 56 13 00-0710 EA 140' High Mast Lighting Assembly.....	47,473.43	2,279.76
26 56 13 00-0711 EA 150' High Mast Lighting Assembly.....	49,822.84	2,442.57
<b>26 56 13 00-0712 High Mast Light Poles (26 56 13 00-0700)</b>		
26 56 13 00-0713 EA 60' High Mast Light Poles.....	12,210.09	743.28
26 56 13 00-0714 EA 70' High Mast Light Poles.....	13,999.65	778.48
26 56 13 00-0715 EA 80' High Mast Light Poles.....	15,801.90	829.35
26 56 13 00-0716 EA 90' High Mast Light Poles.....	17,615.80	895.84
26 56 13 00-0717 EA 100' High Mast Light Poles.....	19,442.40	978.00
26 56 13 00-0718 EA 110' High Mast Light Poles.....	21,281.71	1,075.80
26 56 13 00-0719 EA 120' High Mast Light Poles.....	22,672.95	1,173.60
26 56 13 00-0720 EA 130' High Mast Light Poles.....	22,644.15	2,175.07
26 56 13 00-0721 EA 140' High Mast Light Poles.....	25,306.77	1,369.20
26 56 13 00-0722 EA 150' High Mast Light Poles.....	26,846.65	1,467.00
<b>26 56 13 00-0723 High Mast Lighting Accessories (26 56 13 00-0700)</b>		
26 56 13 00-0724 EA Bottom Latching System For High Mast Lighting.....	561.59	
26 56 13 00-0725 EA Top Latching System For High Mast Lighting.....	1,592.83	
26 56 13 00-0726 EA Centering Springs For High Mast Lighting.....	1,206.37	
26 56 13 00-0727 EA Electric Power Cord For High Mast Lighting.....	506.24	
26 56 13 00-0728 EA Aircraft Warning Lights For High Mast Lighting.....	940.84	
26 56 13 00-0729 EA Internal Motorized Hoist For High Mast Lighting.....	10,338.23	
26 56 13 00-0730 EA Portable Hoist Motor With Step Down Transformer For High Mast Lighting.....	10,395.89	
<b>26 56 13 00-0731 Concrete Bases (26 56 13 00-0001)</b>		
<b>26 56 13 00-0732 Concrete Bases, Cast In Place (26 56 13 00-0731)</b>		
Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill. Excludes conduit.		
26 56 13 00-0733 VLF 2' Diameter Concrete Base For Poles.....	78.64	
26 56 13 00-0734 VLF 2-1/2' Diameter Concrete Base For Poles.....	102.40	
26 56 13 00-0735 VLF 3' Diameter Concrete Base For Poles.....	128.30	
26 56 13 00-0736 VLF 3-1/2' Diameter Concrete Base For Poles.....	162.78	
26 56 13 00-0737 VLF 4' Diameter Concrete Base For Poles.....	197.44	
26 56 13 00-0738 VLF 5' Diameter Concrete Base For Poles.....	276.07	
26 56 13 00-0739 VLF 6' Diameter Concrete Base For Poles.....	370.12	
<b>26 56 18 Incandescent Exterior Lighting (26 56)</b>		
<b>26 56 18 00-0001 Exterior Globe (26 56 18)</b>		
<b>26 56 18 00-0002 Incandescent, Exterior Globe (26 56 18 00-0001)</b>		
26 56 18 00-0003 EA 100 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture.....	49.58	13.42
26 56 18 00-0004 EA 150-200 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture.....	89.21	13.42
26 56 18 00-0005 EA 100 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture.....	64.17	13.42
26 56 18 00-0006 EA 150-200 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture.....	94.84	13.42
<b>26 56 18 00-0007 Compact Fluorescent And Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures (26 56 18)</b>		
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 18 00-0008 EA 7 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	156.83	53.67
26 56 18 00-0009 EA 9 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	163.57	57.03
26 56 18 00-0010 EA 13 Or 14 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	179.98	60.38
26 56 18 00-0011 EA 75 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	176.96	67.08
26 56 18 00-0012 EA 100 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	198.87	77.14
<b>26 56 19 LED Exterior Lighting (26 56)</b>		
<b>26 56 19 00-0001 LED, Roadway Lighting (26 56 19)</b>		
<b>26 56 19 00-0002 LED Roadway Lighting (Philips Lumec) (26 56 19 00-0001)</b>		
<b>26 56 19 00-0003 Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec GPL Series) (26 56 19 00-0002)</b>		
Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 570mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0004 EA 49 LEDs, 102 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLS Series).....	916.51	99.15
26 56 19 00-0005 EA 98 LEDs, 204 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLM Series).....	1,429.08	101.84



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0006			<b>Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec RFM Series)</b> <small>(26 56 19 00-0002)</small> Note: UL wet listed. Includes 3,000 to 4,000K color temperature, 120-277 voltage, up to 1050mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0007	EA		48 LEDs, 55 System Watts, Type III Medium, 120-277 Volts, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec RFM Series) .....	668.27	99.15
26 56 19 00-0008	EA		48 LEDs, 80 System Watts, Type III Medium, 120-277 Volts, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series) .....	668.27	99.15
26 56 19 00-0009	EA		48 LEDs, 108 System Watts, Type III Medium, 120-277 Volts, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series) .....	668.27	99.15
26 56 19 00-0010			<b>LED Roadway Lighting (Lithonia)</b> <small>(26 56 19 00-0001)</small>		
26 56 19 00-0011			<b>Horizontal Tenon Mount, LED Cobra Head Street Lights (Lithonia CSX1 Series)</b> <small>(26 56 19 00-0010)</small> Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 700mA driver, die-cast extruded aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 19 00-0012	EA		30 LEDs, 74 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series) .....	1,329.99	93.79
26 56 19 00-0013	EA		60 LEDs, 146 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series) .....	2,197.14	96.47
26 56 19 00-0014			<b>LED Roadway Lighting (CREE® BetaLED®)</b> <small>(26 56 19 00-0001)</small>		
26 56 19 00-0015			<b>Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® LEDway® STR-LWY)</b> <small>(26 56 19 00-0014)</small> Note: UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type II Medium, Type II Short or Type III Medium optic. Excludes sensors.		
26 56 19 00-0016	EA		20 LEDs, 25 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY) .....	652.39	91.12
26 56 19 00-0017	EA		30 LEDs, 35 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY) .....	737.50	93.79
26 56 19 00-0018	EA		40 LEDs, 45 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY) .....	840.45	96.47
26 56 19 00-0019	EA		50 LEDs, 55 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY) .....	926.94	99.15
26 56 19 00-0020	EA		60 LEDs, 65 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY) .....	1,013.40	101.84
26 56 19 00-0021	EA		70 LEDs, 75 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY) .....	1,220.86	104.51
26 56 19 00-0022	EA		80 LEDs, 86 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY) .....	1,307.32	107.19
26 56 19 00-0023	EA		90 LEDs, 96 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY) .....	1,392.42	109.87
26 56 19 00-0024	EA		100 LEDs, 111 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY) .....	1,560.00	112.56
26 56 19 00-0025	EA		110 LEDs, 122 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY) .....	1,646.48	115.23
26 56 19 00-0026	EA		120 LEDs, 133 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY) .....	1,732.94	117.91
26 56 19 00-0027			<b>Surface Mount, LED Transportation Fixtures (CREE® BetaLED® Edge® TSP-EDG)</b> <small>(26 56 19 00-0014)</small> Note: Direct, cantenary or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0028	EA		40 LEDs, 47 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG) .....	1,342.24	96.47
			<i>For Multi-Level Drive Currents, Add</i>	192.47	
26 56 19 00-0029	EA		60 LEDs, 68 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG) .....	1,555.05	101.84
			<i>For Multi-Level Drive Currents, Add</i>	192.47	
26 56 19 00-0030	EA		80 LEDs, 90 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG) .....	1,767.86	107.19
			<i>For Multi-Level Drive Currents, Add</i>	192.47	
26 56 19 00-0031	EA		100 LEDs, 111 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG) .....	1,980.67	112.56
			<i>For Multi-Level Drive Currents, Add</i>	192.47	
26 56 19 00-0032	EA		120 LEDs, 132 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG) .....	2,622.41	117.91
			<i>For Multi-Level Drive Currents, Add</i>	192.47	
26 56 19 00-0033	EA		140 LEDs, 157 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG) .....	2,835.22	123.27
			<i>For Multi-Level Drive Currents, Add</i>	192.47	
26 56 19 00-0034	EA		160 LEDs, 179 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG) .....	3,048.03	128.63
			<i>For Multi-Level Drive Currents, Add</i>	192.47	
26 56 19 00-0035			<b>Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® XSP)</b> <small>(26 56 19 00-0014)</small> Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0036	EA		4,806 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A) .....	531.74	96.47
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.21	
			<i>For Backlight Control Shield, Add</i>	24.98	
			<i>For Field Adjustable Output, Add</i>	24.33	
			<i>For Bird Spikes, Add</i>	40.29	
			<i>For Field Adjustable Output And Utility Label, Add</i>	32.43	
			<i>For Fuse, Add</i>	48.64	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	48.64	
			<i>For 480 Volt, Add</i>	72.97	
			<i>For Multi-Level, Add</i>	105.39	
26 56 19 00-0037	EA		5,340 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A) .....	531.74	96.47
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.21	
			<i>For Backlight Control Shield, Add</i>	24.98	
			<i>For Field Adjustable Output, Add</i>	24.33	
			<i>For Bird Spikes, Add</i>	40.29	
			<i>For Field Adjustable Output And Utility Label, Add</i>	32.43	
			<i>For Fuse, Add</i>	48.64	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	48.64	
			<i>For 480 Volt, Add</i>	72.97	
			<i>For Multi-Level, Add</i>	105.39	
26 56 19 00-0038	EA		8,407 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E) .....	593.02	96.47
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.21	
			<i>For Backlight Control Shield, Add</i>	24.98	
			<i>For Field Adjustable Output, Add</i>	24.33	
			<i>For Bird Spikes, Add</i>	40.29	
			<i>For Field Adjustable Output And Utility Label, Add</i>	32.43	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	48.64	
			<i>For 480 Volt, Add</i>	72.97	
26 56 19 00-0039	EA		8,820 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E) .....	593.02	96.47
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.21	
			<i>For Backlight Control Shield, Add</i>	24.98	
			<i>For Field Adjustable Output, Add</i>	24.33	
			<i>For Bird Spikes, Add</i>	40.29	
			<i>For Field Adjustable Output And Utility Label, Add</i>	32.43	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	48.64	
			<i>For 480 Volt, Add</i>	72.97	
26 56 19 00-0040	EA		9,612 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B) .....	701.97	96.47
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.21	
			<i>For Field Adjustable Output, Add</i>	24.33	
			<i>For Backlight Control Shield, Add</i>	36.88	
			<i>For Field Adjustable Output And Utility Label, Add</i>	32.43	
			<i>For Fuse, Add</i>	48.64	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	48.64	
			<i>For Bird Spikes, Add</i>	67.54	
			<i>For 480 Volt, Add</i>	72.97	
			<i>For Multi-Level, Add</i>	105.39	
26 56 19 00-0041	EA		10,680 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B) .....	701.97	96.47
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.21	
			<i>For Field Adjustable Output, Add</i>	24.33	
			<i>For Backlight Control Shield, Add</i>	36.88	
			<i>For Field Adjustable Output And Utility Label, Add</i>	32.43	
			<i>For Fuse, Add</i>	48.64	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	48.64	
			<i>For Bird Spikes, Add</i>	67.54	
			<i>For 480 Volt, Add</i>	72.97	
			<i>For Multi-Level, Add</i>	105.39	
26 56 19 00-0042	EA		13,732 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F) .....	804.13	96.47
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.21	
			<i>For Field Adjustable Output, Add</i>	24.33	
			<i>For Backlight Control Shield, Add</i>	36.88	
			<i>For Field Adjustable Output And Utility Label, Add</i>	32.43	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	48.64	
			<i>For Bird Spikes, Add</i>	67.54	
			<i>For 480 Volt, Add</i>	72.97	
26 56 19 00-0043	EA		14,408 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F) .....	804.13	96.47
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.21	
			<i>For Field Adjustable Output, Add</i>	24.33	
			<i>For Backlight Control Shield, Add</i>	36.88	
			<i>For Field Adjustable Output And Utility Label, Add</i>	32.43	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	48.64	
			<i>For Bird Spikes, Add</i>	67.54	
			<i>For 480 Volt, Add</i>	72.97	
26 56 19 00-0044	EA		2,529 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G) .....	422.77	96.47
			<i>For Utility Label, Add</i>	8.10	
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.21	
			<i>For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	24.33	
			<i>For 0 To 10 Volt Dimming, Add</i>	48.64	





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0045	EA		2,722 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G).....	422.77	96.47
			For Utility Label, Add	8.10	
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.21	
			For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	24.33	
			For 0 To 10 Volt Dimming, Add	48.64	
26 56 19 00-0046	EA		3,819 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-C).....	448.32	96.47
			For Utility Label, Add	8.10	
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.21	
			For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	24.33	
			For 0 To 10 Volt Dimming, Add	48.64	
26 56 19 00-0047	EA		4,109 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-C).....	448.32	96.47
			For Utility Label, Add	8.10	
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.21	
			For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	24.33	
			For 0 To 10 Volt Dimming, Add	48.64	
26 56 19 00-0048	EA		4,548 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	456.83	96.47
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.21	
			For Field Adjustable Output, Add	24.33	
			For Field Adjustable Output And Utility Label, Add	32.43	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	48.64	
			For 0 To 10 Volt Dimming, Add	48.64	
26 56 19 00-0049	EA		4,627 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	456.83	96.47
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.21	
			For Field Adjustable Output, Add	24.33	
			For Field Adjustable Output And Utility Label, Add	32.43	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	48.64	
			For 0 To 10 Volt Dimming, Add	48.64	
26 56 19 00-0050			<b>Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® RSW™)</b> <small>(26 56 19 00-0014)</small> Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and gray powder coat finish. Includes utility label and NEMA® photocell receptacle. Excludes sensors.		
26 56 19 00-0051	EA		3,300 Lumens, 3,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-30K-UL-GY-N).....	439.81	96.47
			For Field Adjustable Output, Add	24.33	
			For Backlight Control Shield, Add	50.19	
			For Bird Spikes, Add	68.02	
26 56 19 00-0052	EA		3,300 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-40K-UL-GY-N).....	439.81	96.47
			For Field Adjustable Output, Add	24.33	
			For Backlight Control Shield, Add	50.19	
			For Bird Spikes, Add	68.02	
26 56 19 00-0053	EA		5,000 Lumens, 3,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-30K-UL-GY-N).....	456.83	96.47
			For Field Adjustable Output, Add	24.33	
			For Backlight Control Shield, Add	50.19	
			For Bird Spikes, Add	68.02	
26 56 19 00-0054	EA		5,000 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-40K-UL-GY-N).....	456.83	96.47
			For Field Adjustable Output, Add	24.33	
			For Backlight Control Shield, Add	50.19	
			For Bird Spikes, Add	68.02	
26 56 19 00-0055			<b>LED Roadway Lighting (Cooper Lighting)</b> <small>(26 56 19 00-0001)</small>		
26 56 19 00-0056			<b>Horizontal Tenon Mount, LED Roadway Fixtures (Cooper Lighting Streetworks NVN™)</b> <small>(26 56 19 00-0055)</small> Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0057	EA		1 LED Light Square, 51 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	585.79	96.47
26 56 19 00-0058	EA		2 LED Light Squares, 103 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	793.23	107.19
26 56 19 00-0059	EA		3 LED Light Squares, 154 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	851.13	123.27
26 56 19 00-0060	EA		4 LED Light Squares, 206 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,264.81	133.99
26 56 19 00-0061	EA		6 LED Light Squares, 309 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,658.12	152.54
26 56 19 00-0062			<b>LED Roadway Lighting (PlanLED)</b> <small>(26 56 19 00-0001)</small>		
26 56 19 00-0063			<b>Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera HERA)</b> <small>(26 56 19 00-0062)</small> Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0064	EA		8,500 Lumens, 85 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 85W).....	703.85	93.79
26 56 19 00-0065	EA		11,000 Lumens, 110 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 110W).....	765.39	94.82
26 56 19 00-0066	EA		15,000 Lumens, 150 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 150W).....	813.88	96.47
<b>26 56 19 00-0067</b>			<b>Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera SETA)</b> <small>(26 56 19 00-0062)</small> Note: UL wet listed. Includes 3,000K, 3,500K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0068	EA		7,200 Lumens, 60 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET060).....	464.97	91.52
26 56 19 00-0069	EA		10,000 Lumens, 80 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET080).....	498.01	93.18
26 56 19 00-0070	EA		12,500 Lumens, 100 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET100).....	550.08	94.82
<b>26 56 19 00-0071</b>			<b>Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera META)</b> <small>(26 56 19 00-0062)</small> Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0072	EA		13,000 Lumens, 100 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT100).....	584.58	94.82
			<i>For 0 To 10 Volt Dimming, Add</i>	50.95	
			<i>For 480 Volt, Add</i>	50.95	
26 56 19 00-0073	EA		16,900 Lumens, 130 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT130).....	648.08	95.65
			<i>For 0 To 10 Volt Dimming, Add</i>	50.95	
			<i>For 480 Volt, Add</i>	15.04	
26 56 19 00-0074	EA		19,500 Lumens, 150 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT150).....	697.31	96.47
			<i>For 0 To 10 Volt Dimming, Add</i>	50.95	
			<i>For 480 Volt, Add</i>	-5.39	
<b>26 56 19 00-0075</b>			<b>LED Roadway Lighting (General Electric)</b> <small>(26 56 19 00-0001)</small>		
<b>26 56 19 00-0076</b>			<b>Horizontal Tenon Mount, LED Cobra Head Street Lights (General Electric)</b> <small>(26 56 19 00-0075)</small> Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or gray powder coat finish. Excludes sensors.		
26 56 19 00-0077	EA		2,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 02XX 40 A GRAY).....	355.99	91.12
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For &gt;25 To 500, Deduct</i>	-17.38	
			<i>For &gt;500, Deduct</i>	-27.80	
26 56 19 00-0078	EA		3,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 03XX 40 A GRAY).....	358.47	92.34
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For &gt;25 To 500, Deduct</i>	-17.38	
			<i>For &gt;500, Deduct</i>	-27.80	
26 56 19 00-0079	EA		4,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 04XX 40 A GRAY).....	373.38	93.79
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For &gt;25 To 500, Deduct</i>	-18.58	
			<i>For &gt;500, Deduct</i>	-27.87	
26 56 19 00-0080	EA		5,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 05XX 40 A GRAY).....	388.56	94.82
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For &gt;25 To 500, Deduct</i>	-19.89	
			<i>For &gt;500, Deduct</i>	-29.84	
26 56 19 00-0081	EA		7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 07XX 40 A GRAY).....	428.73	96.89
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For &gt;25 To 500, Deduct</i>	-23.50	
			<i>For &gt;500, Deduct</i>	-49.34	
26 56 19 00-0082	EA		8,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 08XX 40 A GRAY).....	450.07	97.71
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For &gt;25 To 500, Deduct</i>	-25.47	
			<i>For &gt;500, Deduct</i>	-38.20	
26 56 19 00-0083	EA		9,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 10XX 40 A GRAY).....	490.11	99.15
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For &gt;25 To 500, Deduct</i>	-29.18	
			<i>For &gt;500, Deduct</i>	-43.77	
26 56 19 00-0084	EA		13,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERLH 0 13XX 40 A GRAY).....	575.25	101.84
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For &gt;25 To 500, Deduct</i>	-37.16	
			<i>For &gt;500, Deduct</i>	-55.74	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0085	EA		19,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL2 0 19XX 40 A GRAY) .....	673.40	107.19
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i> .....	20.00	
			<i>For &gt;25 To 500, Deduct</i> .....	-45.90	
			<i>For &gt;500, Deduct</i> .....	-68.85	
<b>26 56 19 00-0086</b>			<b>LED Roadway Lighting (Acuity AEL Autobahn) <small>(26 56 19 00-0001)</small></b>		
<b>26 56 19 00-0087</b>			<b>Horizontal Tenon Mount, LED Cobra Head Street Lights (Acuity AEL Autobahn) <small>(26 56 19 00-0086)</small></b>		
			Note: UL wet listed. Includes 4,000K or 5,000K color temperature, 120-480 voltage, integral 10kV surge suppression, 0-10V dimming, die-cast extruded aluminum housing assembly and white, black, gray, graphite or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0088	EA		4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 20ALEDE70) .....	681.96	93.79
26 56 19 00-0089	EA		6,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 30BLEDE70) .....	845.84	96.47
26 56 19 00-0090	EA		9,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 40BLEDE70) .....	1,177.74	99.15
26 56 19 00-0091	EA		13,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 60BLEDE70) .....	1,512.02	103.06
26 56 19 00-0092	EA		17,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 80BLEDE70) .....	1,838.66	105.95
<b>26 56 19 00-0093</b>			<b>LED Roadway Lighting (Leotek) <small>(26 56 19 00-0001)</small></b>		
<b>26 56 19 00-0094</b>			<b>Horizontal Tenon Mount, LED Cobra Head Street Lights (Leotek) <small>(26 56 19 00-0093)</small></b>		
			Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, integral surge protector, die-cast and extruded aluminum housing assembly and gray powder coat finish. Excludes sensors.		
26 56 19 00-0095	EA		Up To 3,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-XXX-WL) .....	364.31	93.79
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i> .....	20.00	
			<i>For &gt;500 To 1,000, Deduct</i> .....	-17.67	
			<i>For &gt;1,000 To 2,500, Deduct</i> .....	-24.74	
			<i>For &gt;2,500, Deduct</i> .....	-31.81	
			<i>For Twist Lock Shorting Cap, Add</i> .....	5.46	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i> .....	16.39	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i> .....	29.33	
26 56 19 00-0096	EA		Up To 5,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-1AMP-WL) .....	372.11	94.82
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i> .....	20.00	
			<i>For &gt;500 To 1,000, Deduct</i> .....	-18.25	
			<i>For &gt;1,000 To 2,500, Deduct</i> .....	-25.54	
			<i>For &gt;2,500, Deduct</i> .....	-32.84	
			<i>For Twist Lock Shorting Cap, Add</i> .....	5.46	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i> .....	16.39	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i> .....	29.33	
26 56 19 00-0097	EA		Up To 5,950 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-6M2-MV-NW-X-GY-XXX-WL) .....	396.29	95.44
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i> .....	20.00	
			<i>For &gt;500 To 1,000, Deduct</i> .....	-20.54	
			<i>For &gt;1,000 To 2,500, Deduct</i> .....	-28.76	
			<i>For &gt;2,500, Deduct</i> .....	-36.97	
			<i>For Twist Lock Shorting Cap, Add</i> .....	5.46	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i> .....	16.39	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i> .....	29.33	
26 56 19 00-0098	EA		Up To 9,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC3-10M2-MV-NW-X-GY-XXX-WL) .....	458.80	99.15
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i> .....	20.00	
			<i>For &gt;500 To 1,000, Deduct</i> .....	-26.05	
			<i>For &gt;1,000 To 2,500, Deduct</i> .....	-36.47	
			<i>For &gt;2,500, Deduct</i> .....	-46.89	
			<i>For Twist Lock Shorting Cap, Add</i> .....	5.46	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i> .....	16.39	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i> .....	29.33	
26 56 19 00-0099	EA		Up To 11,450 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-12M2-MV-NW-X-GY-XXX-WL) .....	535.30	101.84
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i> .....	20.00	
			<i>For &gt;500 To 1,000, Deduct</i> .....	-33.16	
			<i>For &gt;1,000 To 2,500, Deduct</i> .....	-46.43	
			<i>For &gt;2,500, Deduct</i> .....	-59.70	
			<i>For Twist Lock Shorting Cap, Add</i> .....	5.46	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i> .....	16.39	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i> .....	29.33	
26 56 19 00-0100	EA		Up To 14,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-15M2-MV-NW-X-GY-XXX-WL) .....	538.60	103.48
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i> .....	20.00	
			<i>For &gt;500 To 1,000, Deduct</i> .....	-33.16	
			<i>For &gt;1,000 To 2,500, Deduct</i> .....	-46.43	
			<i>For &gt;2,500, Deduct</i> .....	-59.70	
			<i>For Twist Lock Shorting Cap, Add</i> .....	5.46	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i> .....	16.39	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i> .....	29.33	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	19 00-0101	EA	Up To 16,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-18M2-MV-NW-X-GY-XXX-WL).....	657.79	105.13
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For &gt;500 To 1,000, Deduct</i>	-44.75	
			<i>For &gt;1,000 To 2,500, Deduct</i>	-62.66	
			<i>For &gt;2,500, Deduct</i>	-80.56	
			<i>For Twist Lock Shorting Cap, Add</i>	5.46	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	16.39	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	29.33	
26 56	19 00-0102	EA	Up To 18,750 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-20M2-MV-NW-X-GY-XXX-WL).....	689.46	107.19
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For &gt;500 To 1,000, Deduct</i>	-47.51	
			<i>For &gt;1,000 To 2,500, Deduct</i>	-66.51	
			<i>For &gt;2,500, Deduct</i>	-85.51	
			<i>For Twist Lock Shorting Cap, Add</i>	5.46	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	16.39	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	29.33	
26 56	19 00-0103	EA	Up To 22,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-24M2-MV-NW-X-GY-XXX-WL).....	768.50	108.84
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For &gt;500 To 1,000, Deduct</i>	-55.08	
			<i>For &gt;1,000 To 2,500, Deduct</i>	-77.11	
			<i>For &gt;2,500, Deduct</i>	-99.15	
			<i>For Twist Lock Shorting Cap, Add</i>	5.46	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	16.39	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	29.33	
26 56	19 00-0104	EA	Up To 29,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC9-30M2-MV-NW-X-GY-XXX-WL).....	823.43	110.49
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For &gt;500 To 1,000, Deduct</i>	-60.25	
			<i>For &gt;1,000 To 2,500, Deduct</i>	-84.34	
			<i>For &gt;2,500, Deduct</i>	-108.44	
			<i>For Twist Lock Shorting Cap, Add</i>	5.46	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	16.39	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	29.33	
26 56	19 00-0105	EA	Up To 4,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-20F-MV-NW-X-GY-XXX-WL).....	420.31	94.82
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For &gt;500 To 1,000, Deduct</i>	-23.07	
			<i>For &gt;1,000 To 2,500, Deduct</i>	-32.29	
			<i>For &gt;2,500, Deduct</i>	-41.52	
			<i>For Twist Lock Shorting Cap, Add</i>	5.46	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	16.39	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	29.33	
26 56	19 00-0106	EA	Up To 7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-30F-MV-NW-X-GY-XXX-WL).....	460.83	97.29
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For &gt;500 To 1,000, Deduct</i>	-26.62	
			<i>For &gt;1,000 To 2,500, Deduct</i>	-37.27	
			<i>For &gt;2,500, Deduct</i>	-47.92	
			<i>For Twist Lock Shorting Cap, Add</i>	5.46	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	16.39	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	29.33	
26 56	19 00-0107	EA	Up To 9,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-XXX-WL).....	496.67	99.15
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For &gt;500 To 1,000, Deduct</i>	-29.84	
			<i>For &gt;1,000 To 2,500, Deduct</i>	-41.77	
			<i>For &gt;2,500, Deduct</i>	-53.70	
			<i>For Twist Lock Shorting Cap, Add</i>	5.46	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	16.39	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	29.33	
26 56	19 00-0108	EA	Up To 12,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-1AMP-WL).....	527.60	101.42
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For &gt;500 To 1,000, Deduct</i>	-32.48	
			<i>For &gt;1,000 To 2,500, Deduct</i>	-45.47	
			<i>For &gt;2,500, Deduct</i>	-58.46	
			<i>For Twist Lock Shorting Cap, Add</i>	5.46	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	16.39	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	29.33	
26 56	19 00-0109	EA	Up To 13,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-60F-MV-NW-X-GY-XXX-WL).....	559.07	102.24
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For &gt;500 To 1,000, Deduct</i>	-35.46	
			<i>For &gt;1,000 To 2,500, Deduct</i>	-49.64	
			<i>For &gt;2,500, Deduct</i>	-63.83	
			<i>For Twist Lock Shorting Cap, Add</i>	5.46	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	16.39	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	29.33	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	19 00-0110	EA	Up To 17,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-80F-MV-NW-X-GY-XXX-WL).....	664.04	105.95
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-45.21	
			For >1,000 To 2,500, Deduct	-63.30	
			For >2,500, Deduct	-81.38	
			For Twist Lock Shorting Cap, Add	5.46	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.39	
			For Ripley Long-Life Twist Lock Photocontrol, Add	29.33	
26 56	19 00-0111	EA	Up To 19,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-90F-MV-NW-X-GY-XXX-WL).....	749.64	108.01
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-53.36	
			For >1,000 To 2,500, Deduct	-74.71	
			For >2,500, Deduct	-96.05	
			For Twist Lock Shorting Cap, Add	5.46	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.39	
			For Ripley Long-Life Twist Lock Photocontrol, Add	29.33	
26 56	19 00-0112	EA	Up To 22,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-100F-MV-NW-X-GY-XXX-WL).....	796.37	108.43
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-57.95	
			For >1,000 To 2,500, Deduct	-81.13	
			For >2,500, Deduct	-104.31	
			For Twist Lock Shorting Cap, Add	5.46	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.39	
			For Ripley Long-Life Twist Lock Photocontrol, Add	29.33	
26 56	19 00-0113	EA	Up To 26,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-120F-MV-NW-X-GY-XXX-WL).....	841.30	109.67
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-62.20	
			For >1,000 To 2,500, Deduct	-87.08	
			For >2,500, Deduct	-111.95	
			For Twist Lock Shorting Cap, Add	5.46	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.39	
			For Ripley Long-Life Twist Lock Photocontrol, Add	29.33	
26 56	19 00-0114	EA	Up To 11,720 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-30H-MV-NW-X-GY-1AMP).....	451.39	103.48
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-24.44	
			For >1,000 To 2,500, Deduct	-34.22	
			For >2,500, Deduct	-44.00	
			For Twist Lock Shorting Cap, Add	5.46	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.39	
			For Ripley Long-Life Twist Lock Photocontrol, Add	29.33	
26 56	19 00-0115	EA	Up To 15,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-40H-MV-NW-X-GY-1AMP).....	487.88	104.51
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-27.89	
			For >1,000 To 2,500, Deduct	-39.04	
			For >2,500, Deduct	-50.19	
			For Twist Lock Shorting Cap, Add	5.46	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.39	
			For Ripley Long-Life Twist Lock Photocontrol, Add	29.33	
26 56	19 00-0116	EA	Up To 4,180 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ0-15H-MV-NW-X-GY-XXX-WL).....	348.74	94.62
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-15.95	
			For >1,000 To 2,500, Deduct	-22.33	
			For >2,500, Deduct	-28.71	
			For Twist Lock Shorting Cap, Add	5.46	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.39	
			For Ripley Long-Life Twist Lock Photocontrol, Add	29.33	
26 56	19 00-0117	EA	Up To 5,510 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ1-20H-MV-NW-X-GY-XXX-WL).....	354.98	95.44
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-16.41	
			For >1,000 To 2,500, Deduct	-22.97	
			For >2,500, Deduct	-29.54	
			For Twist Lock Shorting Cap, Add	5.46	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.39	
			For Ripley Long-Life Twist Lock Photocontrol, Add	29.33	
26 56	19 00-0118	EA	Up To 7,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ2-20H-MV-NW-X-GY-1AMP-WL).....	385.09	97.29
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For >500 To 1,000, Deduct	-19.05	
			For >1,000 To 2,500, Deduct	-26.67	
			For >2,500, Deduct	-34.29	
			For Twist Lock Shorting Cap, Add	5.46	
			For ANSI 7-wire Photocontrol Receptacle, Add	16.39	
			For Ripley Long-Life Twist Lock Photocontrol, Add	29.33	



<b>Electrical</b>	<b>26</b>	
<b>Lighting</b>	<b>26 50</b>	<b>26</b>
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0119	EA		Up To 16,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-60G-MV-NW-X-GY-XXX-WL).....	587.79	105.13
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For &gt;500 To 1,000, Deduct</i>	-37.75	
			<i>For &gt;1,000 To 2,500, Deduct</i>	-52.86	
			<i>For &gt;2,500, Deduct</i>	-67.96	
			<i>For Twist Lock Shorting Cap, Add</i>	5.46	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	16.39	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	29.33	
26 56 19 00-0120	EA		Up To 22,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-80G-MV-NW-X-GY-XXX-WL).....	764.24	108.43
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For &gt;500 To 1,000, Deduct</i>	-54.74	
			<i>For &gt;1,000 To 2,500, Deduct</i>	-76.63	
			<i>For &gt;2,500, Deduct</i>	-98.53	
			<i>For Twist Lock Shorting Cap, Add</i>	5.46	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	16.39	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	29.33	
26 56 19 00-0121	EA		Up To 22,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL2-60G-MV-NW-X-GY-1AMP-WL).....	682.44	108.84
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For &gt;500 To 1,000, Deduct</i>	-46.48	
			<i>For &gt;1,000 To 2,500, Deduct</i>	-65.07	
			<i>For &gt;2,500, Deduct</i>	-83.66	
			<i>For Twist Lock Shorting Cap, Add</i>	5.46	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	16.39	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	29.33	
26 56 19 00-0122	EA		Up To 5,484 Lumens, Horizontal Tenon Mount, LED Security Light (Leotek® SafeGuard™ SG1-01-MV-NW-5-GY).....	335.39	94.82
			<i>For &gt;500 To 1,000, Deduct</i>	-14.57	
			<i>For &gt;1,000 To 2,500, Deduct</i>	-20.40	
			<i>For &gt;2,500, Deduct</i>	-26.23	
			<i>For Twist Lock Shorting Cap, Add</i>	5.46	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	16.39	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	29.33	
26 56 19 00-0123			<b>LED, Wall Packs</b> <small>(26 56 19)</small>		
26 56 19 00-0124			<b>Full Cutoff, LED Wall Packs</b> <small>(26 56 19 00-0123)</small>		
26 56 19 00-0125			<b>Full Cutoff, LED Wall Packs (Lithonia)</b> <small>(26 56 19 00-0124)</small>		
26 56 19 00-0126	EA		30 LEDs, 57 System Watts, 530 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED).....	1,157.50	72.14
26 56 19 00-0127	EA		30 LEDs, 35 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED).....	1,267.48	72.14
26 56 19 00-0128			<b>Full Cutoff, LED Wall Packs (CREE® BetaLED®)</b> <small>(26 56 19 00-0124)</small>		
26 56 19 00-0129			<b>Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® Edge® SEC-EDG)</b> <small>(26 56 19 00-0128)</small>		
			Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0130	EA		20 LEDs, 26 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	727.52	70.08
			Note: Includes 350mA or 525mA driver.		
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.21	
			<i>For Bird Spikes, Add</i>	37.65	
			<i>For Fuse, Add</i>	48.64	
			<i>For 0 To 10 Volt Dimming, Add</i>	48.64	
			<i>For 480 Volt, Add</i>	72.97	
			<i>For Multi-Level, Add</i>	105.39	
26 56 19 00-0131	EA		40 LEDs, 47 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	948.58	74.21
			Note: Includes 350mA or 525mA driver.		
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.21	
			<i>For Bird Spikes, Add</i>	38.06	
			<i>For Fuse, Add</i>	48.64	
			<i>For 0 To 10 Volt Dimming, Add</i>	48.64	
			<i>For 480 Volt, Add</i>	72.97	
			<i>For Multi-Level, Add</i>	105.39	
26 56 19 00-0132	EA		60 LEDs, 68 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,066.75	78.33
			Note: Includes 350mA or 525mA driver.		
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.21	
			<i>For Bird Spikes, Add</i>	38.47	
			<i>For Fuse, Add</i>	48.64	
			<i>For 0 To 10 Volt Dimming, Add</i>	48.64	
			<i>For 480 Volt, Add</i>	72.97	
			<i>For Multi-Level, Add</i>	105.39	
26 56 19 00-0133	EA		80 LEDs, 90 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,390.71	82.46
			Note: Includes 350mA or 525mA driver.		
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	16.21	
			<i>For Bird Spikes, Add</i>	38.89	
			<i>For Fuse, Add</i>	48.64	
			<i>For 0 To 10 Volt Dimming, Add</i>	48.64	
			<i>For 480 Volt, Add</i>	72.97	
			<i>For Multi-Level, Add</i>	105.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0134 EA 100 LEDs, 111 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,611.77	86.57
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.21	
For Bird Spikes, Add	39.30	
For Fuse, Add	48.64	
For 0 To 10 Volt Dimming, Add	48.64	
For 480 Volt, Add	72.97	
For Multi-Level, Add	105.39	
26 56 19 00-0135 EA 120 LEDs, 132 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,832.82	90.70
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.21	
For Bird Spikes, Add	39.71	
For Fuse, Add	48.64	
For 0 To 10 Volt Dimming, Add	48.64	
For 480 Volt, Add	72.97	
For Multi-Level, Add	105.39	
<b>26 56 19 00-0136 Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® XSPW™) (26 56</b>		
<small>19 00-0128)</small>		
Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, Class 2 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0137 EA 25 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™).....	411.51	70.08
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.21	
For 0 To 10 Volt Dimming, Add	48.64	
For Multi-Level, Add	48.64	
26 56 19 00-0138 EA 42 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™).....	483.06	74.21
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	16.21	
For 0 To 10 Volt Dimming, Add	48.64	
For Multi-Level, Add	48.64	
<b>26 56 19 00-0139 Open Face LED Wall Pack (26 56 19 00-0123)</b>		
Note: Heavy-duty cast aluminum housing is polyester powder coated to be rust and corrosion proof, High-quality shatter-resistant glass		
26 56 19 00-0140 EA 3,640 Lumens, 28 Watt, Open Face Wall Pack, With Motion Sensor (Maxlite WP-OP28U-50B-MS).....	431.78	73.38
26 56 19 00-0141 EA 5,540 Lumens, 40 Watt, Open Face Wall Pack, With Motion Sensor (Maxlite WP-OP40U-50B-MS).....	463.09	73.38
26 56 19 00-0142 EA 7,065 Lumens, 50 Watt, Open Face Wall Pack, With Motion Sensor (Maxlite WP-OP50U-50B-MS).....	479.49	73.38
26 56 19 00-0143 EA 11,375 Lumens, 80 Watt, Open Face Wall Pack, With Motion Sensor (Maxlite WP-OP80U-50B-MS).....	492.79	73.38
26 56 19 00-0144 EA 16,945 Lumens, 120 Watt, Open Face Wall Pack, With Motion Sensor (Maxlite WP-OP120U-50B-MS).....	592.54	73.38
<b>26 56 19 00-0146 LED, Area Fixtures (26 56 19)</b>		
<b>26 56 19 00-0147 Pole Mount, LED Area Fixtures (26 56 19 00-0146)</b>		
<b>26 56 19 00-0148 Pole Mount, Rectangular, LED Architectural Area Fixtures (Lithonia DSX) (26</b>		
<small>56 19 00-0147)</small>		
Note: UL wet listed. Includes 4,000K color temperature, 480 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0149 EA 20 LEDs, 45 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED).....	2,288.24	70.08
26 56 19 00-0150 EA 40 LEDs, 91 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED).....	2,468.33	74.21
26 56 19 00-0151 EA 80 LEDs, 188 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED).....	2,656.67	82.46
26 56 19 00-0152 EA 100 LEDs, 218 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED).....	2,664.92	86.57
<b>26 56 19 00-0153 Arm Mount, Rectangular, LED Area Fixtures (CREE® BetaLED® Edge®</b>		
<b>ARE-EDG) (26 56 19 00-0147)</b>		
Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type III Medium optic. Excludes sensors. All fixtures without the backlight control shield are DLC qualified		
26 56 19 00-0154 EA 40 LEDs, 47 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	989.77	74.21
For 480 Volt, Add	60.32	
For Backlight Shielding, Add	19.25	
For Type II Medium Optic, Add	30.53	
For Multi-Level Drive Currents, Add	192.47	
26 56 19 00-0155 EA 60 LEDs, 68 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,200.11	78.33
For 480 Volt, Add	60.32	
For Backlight Shielding, Add	19.25	
For Type II Medium Optic, Add	30.94	
For Multi-Level Drive Currents, Add	192.47	
26 56 19 00-0156 EA 80 LEDs, 90 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,491.56	82.46
For 480 Volt, Add	60.32	
For Backlight Shielding, Add	19.25	
For Type II Medium Optic, Add	31.36	
For Multi-Level Drive Currents, Add	192.47	
26 56 19 00-0157 EA 100 LEDs, 111 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,701.90	86.57
For 480 Volt, Add	60.32	
For Backlight Shielding, Add	19.25	
For Type II Medium Optic, Add	31.77	
For Multi-Level Drive Currents, Add	192.47	
26 56 19 00-0158 EA 120 LEDs, 132 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,912.23	90.70
For 480 Volt, Add	60.32	
For Backlight Shielding, Add	19.25	
For Type II Medium Optic, Add	32.18	
For Multi-Level Drive Currents, Add	192.47	



<b>Electrical</b>	<b>26</b>	
<b>Lighting</b>	<b>26 50</b>	<b>26</b>
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0159	EA		140 LEDs, 157 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) ..... <i>For 480 Volt, Add</i> <i>For Backlight Shielding, Add</i> <i>For Type II Medium Optic, Add</i> <i>For Multi-Level Drive Currents, Add</i>	2,187.18 60.32 19.25 32.59 192.47	94.82
26 56 19 00-0160	EA		160 LEDs, 179 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) ..... <i>For 480 Volt, Add</i> <i>For Backlight Shielding, Add</i> <i>For Type II Medium Optic, Add</i> <i>For Multi-Level Drive Currents, Add</i>	2,397.51 60.32 19.25 33.00 192.47	98.95
<b>26 56 19 00-0161</b>			<b>Direct Or Arm Mount, Rectangular, High Output, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EHO)</b> <small>(26 56 19 00-0147)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0162	EA		120 LEDs, 267 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO) ..... <i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i> <i>For Bird Spikes, Add</i> <i>For 5,000K Color Temperature, Add</i> <i>For Fuse, Add</i> <i>For 0 To 10 Volt Dimming, Add</i> <i>For 480 Volt, Add</i> <i>For Multi-Level, Add</i> <i>For 1,000mA Driver, Add</i>	1,763.01 16.21 34.61 40.54 48.64 48.64 72.97 105.39 136.21	90.70
26 56 19 00-0163	EA		240 LEDs, 533 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO) ..... <i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i> <i>For 5,000K Color Temperature, Add</i> <i>For Fuse, Add</i> <i>For 0 To 10 Volt Dimming, Add</i> <i>For Bird Spikes, Add</i> <i>For Multi-Level, Add</i> <i>For 1,000mA Driver, Add</i> <i>For 480 Volt, Add</i>	2,996.00 16.21 40.54 48.64 48.64 52.00 105.39 136.20 145.92	111.32
<b>26 56 19 00-0164</b>			<b>Wall Mount, LED Area Fixtures</b> <small>(26 56 19 00-0146)</small>		
<b>26 56 19 00-0165</b>			<b>Wall Mount, LED Architectural Area Fixtures (Lithonia DSXW)</b> <small>(26 56 19 00-0164)</small> Note: UL wet listed. Includes 4,000K color temperature, 277 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0166	EA		20 LEDs, 47 System Watts, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED) .....	966.75	70.08
26 56 19 00-0167	EA		30 LEDs, 71 System Watts, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED) .....	983.24	78.33
<b>26 56 19 00-0168</b>			<b>Surface Mount, LED Parking Structure Fixtures</b> <small>(26 56 19 00-0146)</small>		
<b>26 56 19 00-0169</b>			<b>Surface Mount, Rectangular, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-EDG)</b> <small>(26 56 19 00-0168)</small> Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0170	EA		40 LEDs, 47 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG) ..... <i>For Multi-Level Drive Currents, Add</i>	868.79 192.47	74.21
26 56 19 00-0171	EA		60 LEDs, 68 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG) ..... <i>For Multi-Level Drive Currents, Add</i>	1,079.13 192.47	78.33
26 56 19 00-0172	EA		80 LEDs, 90 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG) ..... <i>For Multi-Level Drive Currents, Add</i>	1,289.47 192.47	82.46
26 56 19 00-0173	EA		100 LEDs, 111 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG) ..... <i>For Multi-Level Drive Currents, Add</i>	1,499.81 192.47	86.57
<b>26 56 19 00-0174</b>			<b>Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-304)</b> <small>(26 56 19 00-0168)</small> Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0175	EA		40 LEDs, 47 System Watts, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304) ..... <i>For Multi-Level Drive Currents, Add</i>	835.79 192.47	74.21
26 56 19 00-0176	EA		60 LEDs, 68 System Watts, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304) ..... <i>For Multi-Level Drive Currents, Add</i>	925.15 192.47	78.33





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0177			<b>Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VG)</b> <small>(26 56 19 00-0168)</small> Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0178	EA		3,700 Lumens, 50 System Watts, Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VGADM5MA40KUL).....	573.08	74.21
26 56 19 00-0179			<b>Surface Mount, Rectangular, LED Parking Structure Fixtures (Philips Gardco ELG)</b> <small>(26 56 19 00-0168)</small> Note: Direct or pendant mount. UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.		
26 56 19 00-0180	EA		70 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	1,129.63	78.33
26 56 19 00-0181	EA		110 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	1,146.13	86.57
26 56 19 00-0182			<b>Surface Mount, LED Canopy Fixtures</b> <small>(26 56 19 00-0146)</small>		
26 56 19 00-0183			<b>Surface Mount, Rectangular, LED Canopy Fixtures (CREE® BetaLED® Edge® CAN-EDG)</b> <small>(26 56 19 00-0182)</small> Note: Direct or pendant mount. UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0184	EA		40 LEDs, 47 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,014.51	74.21
			<i>For Multi-Level Drive Currents, Add</i>	192.47	
26 56 19 00-0185	EA		60 LEDs, 68 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,224.85	78.33
			<i>For Multi-Level Drive Currents, Add</i>	192.47	
26 56 19 00-0186	EA		80 LEDs, 90 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,435.19	82.46
			<i>For Multi-Level Drive Currents, Add</i>	192.47	
26 56 19 00-0187	EA		100 LEDs, 111 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,645.53	86.57
			<i>For Multi-Level Drive Currents, Add</i>	192.47	
26 56 19 00-0188	EA		120 LEDs, 132 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,855.86	90.70
			<i>For Multi-Level Drive Currents, Add</i>	192.47	
26 56 19 00-0189	EA		140 LEDs, 157 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,147.32	94.82
			<i>For Multi-Level Drive Currents, Add</i>	192.47	
26 56 19 00-0190	EA		160 LEDs, 179 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,357.65	98.95
			<i>For Multi-Level Drive Currents, Add</i>	192.47	
26 56 19 00-0191	EA		200 LEDs, 221 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,778.32	107.19
			<i>For Multi-Level Drive Currents, Add</i>	192.47	
26 56 19 00-0192	EA		240 LEDs, 264 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	3,190.75	111.32
			<i>For Multi-Level Drive Currents, Add</i>	192.47	
26 56 19 00-0193			<b>Surface Mount, Square, LED Canopy/Soffit Fixtures (CREE® BetaLED® CPY250)</b> <small>(26 56 19 00-0182)</small> Note: UL wet listed. Includes 5,700K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0194	EA		8,000 Lumens, 82 System Watts, Surface Mount, Square, LED Canopy/Soffit Fixture (CREE® BetaLED® CPY250).....	683.20	82.46
26 56 19 00-0195			<b>Recessed Mount, LED Soffit Fixtures</b> <small>(26 56 19 00-0146)</small>		
26 56 19 00-0196			<b>Recessed Mount, Square, LED Soffit Fixtures (CREE® BetaLED® SFT-304)</b> <small>(26 56 19 00-0195)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0197	EA		40 LEDs, 47 System Watts, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304).....	852.29	74.21
26 56 19 00-0198	EA		60 LEDs, 68 System Watts, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304).....	941.65	78.33
26 56 19 00-0199			<b>Surface Mount, LED Area Fixtures</b> <small>(26 56 19 00-0146)</small>		
26 56 19 00-0200			<b>Surface Mount, Square, LED Multi-Purpose Area Fixtures (LSI Industries® Crossover® XPG)</b> <small>(26 56 19 00-0199)</small> Note: UL wet listed. Includes 5,300K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.		
26 56 19 00-0201	EA		50 LEDs, 59 System Watts, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	711.67	74.21
26 56 19 00-0202	EA		50 LEDs, 59 System Watts, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	825.30	74.21
26 56 19 00-0203	EA		68 LEDs, 79 System Watts, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	688.68	82.46



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0204 EA 68 LEDs, 79 System Watts, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	850.31	82.46
<b>26 56 19 00-0205 Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour®) (26 56 19 00-0199)</b>		
Note: Wall, inverted, post, bollard, floodlight trunnion, or floodlight knuckle mount. UL wet listed. Includes 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0206 EA 13 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR1A) .....	234.02	26.42
For Knuckle Mount Or Trunnion Mount Base, Add	45.00	
26 56 19 00-0207 EA 20 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR2A) .....	274.32	26.42
For Knuckle Mount Or Trunnion Mount Base, Add	45.00	
26 56 19 00-0208 EA 30 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR3A) .....	351.08	26.42
For Knuckle Mount Or Trunnion Mount Base, Add	45.00	
<b>26 56 19 00-0209 Surface Mount, LED Facade Fixtures (26 56 19 00-0146)</b>		
<b>26 56 19 00-0210 Surface Mount, LED Facade Fixtures (lumenpulse™ lumenfacade™) (26 56 19 00-0209)</b>		
26 56 19 00-0211 EA 12" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	428.42	30.86
26 56 19 00-0212 EA 24" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	696.82	28.17
26 56 19 00-0213 EA 36" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	889.29	23.48
26 56 19 00-0214 EA 48" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	1,081.75	18.78
<b>26 56 19 00-0215 Post Top, LED Area Fixtures (26 56 19 00-0146)</b>		
<b>26 56 19 00-0216 Post Top, LED Area Fixtures (Cooper Lighting Invue® MSA) (26 56 19 00-0215)</b>		
Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 350mA remote driver, die-cast extruded aluminum housing assembly and white, black, grey, dark platinum, graphite metallic or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0217 EA 1,800 Lumens, 27 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO1).....	1,205.71	113.38
26 56 19 00-0218 EA 3,400 Lumens, 54 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO2).....	1,330.61	113.38
26 56 19 00-0219 EA 77 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO3).....	1,429.35	113.38
<b>26 56 19 00-0220 Post Top, LED Area Fixtures (General Electric EPAS) (26 56 19 00-0215)</b>		
Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, green or bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0221 EA 3,200 Lumens, 45 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 E5/E3) .....	1,421.34	113.38
For >25 To 500, Deduct	-63.62	
For >500, Deduct	-274.76	
26 56 19 00-0222 EA 6,515 Lumens, 80 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 C5/C3) .....	1,453.48	113.38
For >25 To 500, Deduct	-85.87	
For >500, Deduct	-282.15	
<b>26 56 19 00-0223 Post Top, LED Area Fixtures (General Electric EPTC) (26 56 19 00-0215)</b>		
Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, gray or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0224 EA 3,200 Lumens, 45 System Watts, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 E5/E3) .....	986.32	113.38
For >25 To 500, Deduct	-53.17	
For >500, Deduct	-220.28	
26 56 19 00-0225 EA 6,150 Lumens, 80 System Watts, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 C5/C3) .....	1,034.40	113.38
For >25 To 500, Deduct	-56.54	
For >500, Deduct	-209.99	
<b>26 56 19 00-0226 Post Top, LED Area Fixtures (General Electric EPST) (26 56 19 00-0215)</b>		
Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0227 EA 3,135 Lumens, 45 System Watts, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 E5/E3) .....	767.74	113.38
For >25 To 500, Deduct	-37.87	
For >500, Deduct	-113.61	
26 56 19 00-0228 EA 6,115 Lumens, 80 System Watts, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 C5/C3) .....	815.82	113.38
For >25 To 500, Deduct	-41.23	
For >500, Deduct	-123.70	
<b>26 56 19 00-0229 Post Top, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR) (26 56 19 00-0215)</b>		
Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type V Medium optic. Excludes sensors.		
26 56 19 00-0230 EA 13,800 Lumens, 130 System Watts, Post Top Mount, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR) .....	2,321.89	113.38

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 56</b>	<b>Exterior Lighting</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 56 19 00-0231		LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53) <sup>(26 56 19 00-0215)</sup> Note: Includes 4,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0372 for disposal of hazardous lamps.		
26 56 19 00-0232	EA	LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53)..... <i>For 0 To 10 Volt Dimming, Add</i>	625.92 48.64	61.84
26 56 19 00-0233		LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) <sup>(26 56 19 00-0215)</sup> Note: Includes 3,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0372 for disposal of hazardous lamps.		
26 56 19 00-0234	EA	LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) ..... <i>For Backlight Control Shield, Add</i>	400.08 31.58	13.19
26 56 19 00-0235		Surface Mount, LED Strip Fixtures (Sylvania) <sup>(26 56 19 00-0146)</sup>		
26 56 19 00-0236	EA	4' Long, 5,200 Lumens, 40 Watts, Vapor Tight Dimmable LED Fixture (Sylvania VAPOR1B/040UNVD840/48EC/GR/D).....	292.43	24.55
<b>26 56 21</b>		<b>HID Exterior Lighting <sup>(26 56)</sup></b>		
26 56 21 00-0001		High Mast Fixtures <sup>(26 56 21)</sup>		
26 56 21 00-0002		Metal Halide, High Mast Fixtures <sup>(26 56 21 00-0001)</sup>		
26 56 21 00-0003	EA	400 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux .....	831.49	102.19
26 56 21 00-0004	EA	400 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux .....	885.14	102.19
26 56 21 00-0005	EA	750 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux .....	885.09	116.74
26 56 21 00-0006	EA	750 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux .....	917.28	116.74
26 56 21 00-0007	EA	1,000 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux .....	940.09	145.92
26 56 21 00-0008	EA	1,000 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux .....	972.28	145.92
26 56 21 00-0009		High Pressure Sodium, High Mast Fixtures <sup>(26 56 21 00-0001)</sup>		
26 56 21 00-0010	EA	400 W High Mast HPS Fixture (VA 25 Type V) As Manufactured By Metrolux.....	854.75	102.19
26 56 21 00-0011	EA	400 W High Mast HPS Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux.....	886.94	102.19
26 56 21 00-0012	EA	600 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux .....	1,034.84	108.03
26 56 21 00-0013	EA	750 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux .....	1,062.62	116.74
26 56 21 00-0014	EA	1,000 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux .....	1,133.72	145.92
26 56 21 00-0015		HID, Pole Mounted <sup>(26 56 21)</sup>		
26 56 21 00-0016		Metal Halide, Pole Mounted <sup>(26 56 21 00-0015)</sup>		
26 56 21 00-0017	EA	175 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture .....	445.11	166.63
26 56 21 00-0018	EA	250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture .....	502.41	180.87
26 56 21 00-0019	EA	400 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture .....	587.75	194.57
26 56 21 00-0020	EA	1,000 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture .....	741.30	228.03
26 56 21 00-0021		High Pressure Sodium, Pole Mounted <sup>(26 56 21 00-0015)</sup>		
26 56 21 00-0022	EA	100 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	407.67	194.57
26 56 21 00-0023	EA	150 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	417.40	194.57
26 56 21 00-0024	EA	175 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	435.86	194.57
26 56 21 00-0025	EA	250 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	480.29	194.57
26 56 21 00-0026	EA	400 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	554.46	194.57
26 56 21 00-0027	EA	1,000 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	707.63	194.57
26 56 21 00-0028		Low Pressure Sodium, Pole Mounted <sup>(26 56 21 00-0015)</sup>		
26 56 21 00-0029	EA	135 Watt Low Pressure Sodium Exterior Roadway Fixture, Enclosed And Gasketed .....	447.85	105.84
26 56 21 00-0030	EA	135 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed .....	476.35	155.66
26 56 21 00-0031	EA	180 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed .....	562.76	155.66
26 56 21 00-0032		HID Exterior Security Fixtures <sup>(26 56 21)</sup>		
26 56 21 00-0033		Security Wall Packs <sup>(26 56 21 00-0032)</sup>		
26 56 21 00-0034	EA	70 Watt High Pressure Sodium, Security Wall Pack (MagniFlood).....	531.27	41.93
26 56 21 00-0035	EA	100 Watt High Pressure Sodium, Security Wall Pack (MagniFlood).....	532.27	41.93
26 56 21 00-0036	EA	150 Watt High Pressure Sodium, Security Wall Pack (MagniFlood).....	582.24	58.70
26 56 21 00-0037	EA	250 Watt High Pressure Sodium, Security Wall Pack (MagniFlood).....	607.72	67.08
26 56 21 00-0038	EA	400 Watt High Pressure Sodium, Security Wall Pack (MagniFlood).....	664.61	100.62
26 56 21 00-0039		Security Canopy Lights <sup>(26 56 21 00-0032)</sup>		
26 56 21 00-0040	EA	50 Watt High Pressure Sodium, Security Canopy Light (MagniFlood).....	352.54	91.72
26 56 21 00-0041	EA	70 Watt High Pressure Sodium, Security Canopy Light (MagniFlood).....	460.90	100.90



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0042 EA 100 Watt High Pressure Sodium, Security Canopy Light (MagniFlood).....	505.68	110.07
26 56 21 00-0043 EA 150 Watt High Pressure Sodium, Security Canopy Light (MagniFlood).....	485.07	119.24
26 56 21 00-0044 EA 250 Watt High Pressure Sodium, Security Canopy Light (MagniFlood).....	667.02	128.41
26 56 21 00-0045 EA 70 Watt Metal Halide, Security Canopy Light (MagniFlood).....	462.97	100.90
26 56 21 00-0046 EA 100 Watt Metal Halide, Security Canopy Light (MagniFlood).....	485.16	110.07
<b>26 56 21 00-0047 Security Ceiling Lights (26 56 21 00-0032)</b>		
26 56 21 00-0048 EA 50 Watt High Pressure Sodium, Shallow Lens, Security Ceiling Light (MagniFlood).....	359.56	91.72
26 56 21 00-0049 EA 70 Watt High Pressure Sodium, Shallow Lens, Security Ceiling Light (MagniFlood).....	460.90	100.90
26 56 21 00-0050 EA 100 Watt High Pressure Sodium, Shallow Lens, Security Ceiling Light (MagniFlood).....	480.25	110.07
26 56 21 00-0051 EA 150 Watt High Pressure Sodium, Shallow Lens, Security Ceiling Light (MagniFlood).....	477.50	119.24
<b>26 56 21 00-0052 Accessories For Security Fixtures (MagniFlood) (26 56 21 00-0032)</b>		
Note: Includes drilling and fasteners.		
26 56 21 00-0053 EA Splice Box Only For Security Fixtures (MagniFlood 2163).....	51.54	8.24
26 56 21 00-0054 EA Remote Ballast Box For Security Fixtures (MagniFlood).....	115.59	13.82
26 56 21 00-0055 EA Remote Photo Control Assembly For Security Fixtures (MagniFlood).....	107.49	13.82
26 56 21 00-0056 EA Wire Guards/Floodlight For Security Fixtures (MagniFlood).....	88.63	8.24
26 56 21 00-0057 EA Wire Guards/Canopy Light For Security Fixtures (MagniFlood).....	88.63	8.24
26 56 21 00-0058 EA Wire Guards/Wall Light For Security Fixtures (MagniFlood).....	88.63	8.24
26 56 21 00-0059 EA Solid State Photocontrol Assembly For Security Fixtures (MagniFlood).....	46.15	5.51
<b>26 56 21 00-0060 Metal Halide, Area Fixtures (26 56 21)</b>		
<b>26 56 21 00-0061 Metal Halide, Pole Mount, Area Fixtures (26 56 21 00-0060)</b>		
Note: Includes pulse start ballast.		
26 56 21 00-0062 EA 150 Watt, Metal Halide Area Fixture, Pole Mount.....	659.25	103.21
26 56 21 00-0063 EA 175 Watt, Metal Halide Area Fixture, Pole Mount.....	723.49	113.53
26 56 21 00-0064 EA 250 Watt, Metal Halide Area Fixture, Pole Mount.....	800.02	123.85
26 56 21 00-0065 EA 400 Watt, Metal Halide Area Fixture, Pole Mount.....	846.84	144.49
<b>26 56 21 00-0066 High Pressure Sodium, Area Fixtures (26 56 21)</b>		
<b>26 56 21 00-0067 Pole Mount, High Pressure Sodium Area Fixtures (26 56 21 00-0066)</b>		
26 56 21 00-0068 EA 100 Watt, High Pressure Sodium Area Fixture, Pole Mount.....	547.52	82.56
26 56 21 00-0069 EA 150 Watt, High Pressure Sodium Area Fixture, Pole Mount.....	596.61	103.21
26 56 21 00-0070 EA 250 Watt, High Pressure Sodium Area Fixture, Pole Mount.....	647.77	123.85
26 56 21 00-0071 EA 400 Watt, High Pressure Sodium Area Fixture, Pole Mount.....	683.69	144.49
<b>26 56 21 00-0072 Surface Mounted, Rectangular Exterior Area Fixture (26 56 21)</b>		
<b>26 56 21 00-0073 Metal Halide, Surface Mounted, Rectangular Exterior Area Fixture (26 56 21 00-0072)</b>		
26 56 21 00-0074 EA 175 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture.....	416.89	155.66
26 56 21 00-0075 EA 250 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture.....	476.57	175.11
26 56 21 00-0076 EA 400 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture.....	573.35	194.57
26 56 21 00-0077 EA 1,000 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture.....	727.92	228.03
<b>26 56 21 00-0078 High Pressure Sodium, Surface Mounted, Rectangular Exterior Area Fixture (26 56 21 00-0072)</b>		
26 56 21 00-0079 EA 70 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	403.27	133.09
26 56 21 00-0080 EA 100 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	438.71	141.65
26 56 21 00-0081 EA 150 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	473.49	149.43
26 56 21 00-0082 EA 175 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture.....	489.20	155.66
26 56 21 00-0083 EA 250 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture.....	544.00	175.11
26 56 21 00-0084 EA 400 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture.....	587.18	194.57
26 56 21 00-0085 EA 1,000 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture.....	803.08	228.03
<b>26 56 21 00-0086 Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures (26 56 21)</b>		
<b>26 56 21 00-0087 High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures (26 56 21 00-0086)</b>		
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0088 EA 35 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	477.78	105.06
26 56 21 00-0089 EA 50 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	495.51	116.74
26 56 21 00-0090 EA 70 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	529.51	133.09
26 56 21 00-0091 EA 100 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	544.05	141.65
26 56 21 00-0092 EA 150 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	559.17	149.43
26 56 21 00-0093 EA 175 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	585.91	155.66
26 56 21 00-0094 EA 250 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	642.18	175.11
26 56 21 00-0095 EA 400 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	780.28	194.57



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 56 21 00-0096</b> <b>Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures</b> <small>(26 56 21 00-0096)</small>		
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0097 EA 50 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	525.84	116.74
26 56 21 00-0098 EA 70 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	555.26	133.09
26 56 21 00-0099 EA 100 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	574.04	141.65
26 56 21 00-0100 EA 150 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	598.44	149.43
26 56 21 00-0101 EA 175 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	611.71	155.66
26 56 21 00-0102 EA 250 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	669.32	175.11
26 56 21 00-0103 EA 400 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	852.31	194.57
<b>26 56 21 00-0104</b> <b>Wall Packs</b> <small>(26 56 21)</small>		
<b>26 56 21 00-0105</b> <b>Non Cutoff, Polycarbonate Lens, Mini Wall Packs</b> <small>(26 56 21 00-0104)</small>		
Note: Polycarbonate body and aluminum reflector. 11" x 6-1/2" x 5-1/4". Lithonia TWS.		
26 56 21 00-0106 EA 13 Watt Compact Fluorescent, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	212.83	36.69
26 56 21 00-0107 EA 50 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	227.93	36.69
26 56 21 00-0108 EA 35 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	227.93	36.69
26 56 21 00-0109 EA 70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack.....	301.12	36.69
<b>26 56 21 00-0110</b> <b>Semi Cutoff, Polycarbonate Lens, Mini Wall Packs</b> <small>(26 56 21 00-0104)</small>		
Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWA.		
26 56 21 00-0111 EA 42 Watt Compact Fluorescent, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	419.26	36.69
26 56 21 00-0112 EA 50 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	424.69	36.69
26 56 21 00-0113 EA 70 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	429.39	36.69
26 56 21 00-0114 EA 100 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	420.82	36.69
26 56 21 00-0115 EA 70 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	385.60	36.69
26 56 21 00-0116 EA 100 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	366.25	36.69
<b>26 56 21 00-0117</b> <b>Cutoff, Polycarbonate Lens, Mini Wall Packs</b> <small>(26 56 21 00-0104)</small>		
Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWAC.		
26 56 21 00-0118 EA 50 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	441.55	36.69
26 56 21 00-0119 EA 70 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	446.50	36.69
26 56 21 00-0120 EA 100 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	437.94	36.69
26 56 21 00-0121 EA 70 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	444.83	36.69
26 56 21 00-0122 EA 100 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack.....	444.83	36.69
<b>26 56 21 00-0123</b> <b>Non Cutoff, Borosilicate Glass Lens, Small Wall Packs</b> <small>(26 56 21 00-0104)</small>		
Note: Aluminum body and reflector. 9" x 13" x 7-3/8". Lithonia TWR1.		
26 56 21 00-0124 EA 70 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack .....	421.31	48.87
26 56 21 00-0125 EA 100 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack .....	421.31	48.87
26 56 21 00-0126 EA 175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	394.80	48.87
26 56 21 00-0127 EA 70 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	404.96	48.87
26 56 21 00-0128 EA 100 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	404.96	48.87
26 56 21 00-0129 EA 150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	375.57	48.87
<b>26 56 21 00-0130</b> <b>Cutoff, Borosilicate Glass Lens, Small Wall Packs</b> <small>(26 56 21 00-0104)</small>		
Note: Aluminum body and reflector. 10-1/4" x 13" x 8-15/32". Lithonia TWR1C.		
26 56 21 00-0131 EA 70 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	437.02	48.87
26 56 21 00-0132 EA 100 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	437.02	48.87
26 56 21 00-0133 EA 175 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	437.02	48.87
26 56 21 00-0134 EA 70 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	421.43	48.87
26 56 21 00-0135 EA 100 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	421.43	48.87
26 56 21 00-0136 EA 150 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	421.43	48.87
<b>26 56 21 00-0137</b> <b>Full Cutoff, Tempered Glass Lens, Small Wall Packs</b> <small>(26 56 21 00-0104)</small>		
Note: Aluminum body and reflector. 9-3/8" x 14-3/8" x 8-3/4". Meets Nighttime Friendly criteria. Lithonia TWR1S.		
26 56 21 00-0138 EA 175 Watt Metal Halide, Full Cutoff, Tempered Glass Lens, Small Wall Pack .....	563.90	48.87
<b>26 56 21 00-0139</b> <b>Cutoff, Borosilicate Glass Lens, Medium Wall Packs</b> <small>(26 56 21 00-0104)</small>		
Note: Aluminum body and reflector. Lithonia TWR2.		
26 56 21 00-0140 EA 250 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack .....	530.94	60.53
Note: 9-1/4" x 17-7/8" x 9-3/8".		
26 56 21 00-0141 EA 400 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack .....	566.88	60.53
Note: 9-1/4" x 17-7/8" x 12-1/2".		
26 56 21 00-0142 EA 250 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack .....	609.73	60.53
Note: 9-1/4" x 17-7/8" x 9-3/8".		
26 56 21 00-0143 EA 400 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack .....	621.52	60.53
Note: 9-1/4" x 17-7/8" x 12-1/2".		
<b>26 56 21 00-0144</b> <b>Cutoff, Tempered Glass Lens, Medium Wall Packs</b> <small>(26 56 21 00-0104)</small>		
Note: Aluminum body and reflector. 10" x 17-1/8" x 14-1/2". Lithonia TWR2C.		



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0145 EA 250 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack .....	577.17	60.53
26 56 21 00-0146 EA 400 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack .....	617.55	60.53
<b>26 56 21 00-0147 Non Cutoff, Polycarbonate Lens, Large Wall Packs</b> <small>(26 56 21 00-0104)</small>		
Note: Polycarbonate body and powder coated reflector. 15-7/16" x 16-1/8" x 7-3/4". Lithonia TWP.		
26 56 21 00-0148 EA 100 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack .....	533.75	73.38
26 56 21 00-0149 EA 175 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack .....	490.98	73.38
26 56 21 00-0150 EA 70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack .....	523.85	73.38
26 56 21 00-0151 EA 100 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack .....	527.13	73.38
26 56 21 00-0152 EA 150 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack .....	530.56	73.38
<b>26 56 21 00-0153 Non Cutoff, Borosilicate Glass Lens, Large Wall Packs</b> <small>(26 56 21 00-0104)</small>		
Note: Aluminum body and reflector. 15-3/4" x 16-1/4" x 8". Lithonia TWH.		
26 56 21 00-0154 EA 175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack .....	533.76	73.38
26 56 21 00-0155 EA 250 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack .....	548.03	73.38
26 56 21 00-0156 EA 400 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack .....	590.80	73.38
26 56 21 00-0157 EA 150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack .....	562.29	73.38
26 56 21 00-0158 EA 250 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack .....	576.57	73.38
26 56 21 00-0159 EA 400 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack .....	605.05	73.38
<b>26 56 21 00-0160 Semi Cutoff, Induction Wall Packs</b> <small>(26 56 21 00-0104)</small>		
<b>26 56 21 00-0161 Semi Cutoff, Induction Wall Packs (Everlast®)</b> <small>(26 56 21 00-0160)</small>		
Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 21 00-0162 EA 70 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-70) .....	686.94	70.08
26 56 21 00-0163 EA 80 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-80) .....	701.27	74.21
26 56 21 00-0164 EA 100 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-100) .....	715.61	78.33
26 56 21 00-0165 EA 120 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-120) .....	796.97	82.46
<b>26 56 21 00-0166 Wall Pack Accessories</b> <small>(26 56 21 00-0104)</small>		
26 56 21 00-0167 EA Photocell For Wall Pack .....	80.41	18.35
26 56 21 00-0168 EA Wire Guard For Mini And Small Wall Pack .....	89.55	18.35
26 56 21 00-0169 EA Wire Guard For Medium And Large Wall Pack .....	127.77	18.35
26 56 21 00-0170 EA Clear Polycarbonate Vandal Guard For Wall Packs .....	182.93	18.35
26 56 21 00-0171 EA Full Cutoff Visor For Wall Pack .....	87.06	18.35
<b>26 56 21 00-0172 Non Cutoff, Polycarbonate Lens, Small Wall Packs</b> <small>(26 56 21 00-0104)</small>		
26 56 21 00-0173 EA 15 Watt, Exterior, Non-Cutoff Small Wall Pack (Sylvania 60066-SMWLPAK1N/015UNV740/NC/BZ/P) .....	217.88	36.69
<b>26 56 21 00-0174 Induction, Roadway Lighting</b> <small>(26 56 21)</small>		
<b>26 56 21 00-0175 Induction Roadway Lighting (US Lighting Tech)</b> <small>(26 56 21 00-0174)</small>		
Note: Includes gray powder coat finish heavy duty die cast aluminum body and flat glass lens.		
26 56 21 00-0176 EA 40 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511) .....	597.93	123.68
26 56 21 00-0177 EA 70 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511) .....	674.90	127.81
26 56 21 00-0178 EA 100 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511) .....	691.40	136.05
26 56 21 00-0179 EA 150 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511) .....	707.89	144.30
26 56 21 00-0180 EA 200 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511) .....	874.24	148.41
26 56 21 00-0181 EA 250 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511) .....	887.98	152.54
26 56 21 00-0182 EA 40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512) .....	540.18	123.68
26 56 21 00-0183 EA 70 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512) .....	625.41	127.81
26 56 21 00-0184 EA 100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512) .....	641.91	136.05
26 56 21 00-0185 EA 150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512) .....	658.40	144.30
<b>26 56 21 00-0186 Induction, Area Fixtures</b> <small>(26 56 21)</small>		
<b>26 56 21 00-0187 Post Top, Induction Area Fixtures</b> <small>(26 56 21 00-0186)</small>		
<b>26 56 21 00-0188 Post Top, Induction Area Fixtures (US Lighting Tech)</b> <small>(26 56 21 00-0187)</small>		
Note: Includes black powder coat finish heavy duty die cast aluminum body and no-lite lid acrylic lens.		
26 56 21 00-0189 EA 40 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571) .....	723.04	113.38
26 56 21 00-0190 EA 70 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571) .....	802.78	113.38
26 56 21 00-0191 EA 100 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571) .....	802.78	113.38
26 56 21 00-0192 EA 150 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571) .....	802.78	113.38
<b>26 56 21 00-0193 Surface Mount, Induction Parking Structure Fixtures</b> <small>(26 56 21 00-0186)</small>		
<b>26 56 21 00-0194 Surface Mount, Induction Parking Structure Fixtures (Everlast®)</b> <small>(26 56 21 00-0193)</small>		
26 56 21 00-0195 EA 40 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) .....	636.33	103.06
26 56 21 00-0196 EA 55 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) .....	687.18	105.13
26 56 21 00-0197 EA 70 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) .....	696.81	107.19
26 56 21 00-0198 EA 80 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) .....	706.44	109.25
26 56 21 00-0199 EA 100 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) .....	716.06	111.32

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 56</b>	<b>Exterior Lighting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0200 EA 120 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	731.18	113.38
26 56 21 00-0201 EA 70/28 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) .....	776.55	107.19
26 56 21 00-0202 EA 80/32 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) .....	786.17	109.25
26 56 21 00-0203 EA 100/40 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) .....	795.79	111.32
26 56 21 00-0204 EA 120/48 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) .....	834.28	113.38
<b>26 56 21 00-0205 Pole Mount, Induction Area Fixtures</b> <small>(26 56 21 00-0186)</small>		
<b>26 56 21 00-0206 Pole Mount, Bi-Level Induction Area Fixtures (Everlast® ESB-ED)</b> <small>(26 56 21 00-0205)</small> Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 21 00-0207 EA 70 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-70) .....	717.40	70.08
26 56 21 00-0208 EA 80 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-80) .....	737.82	74.21
26 56 21 00-0209 EA 100 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-100) .....	758.25	78.33

**END OF SECTION 26**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 27 Communications

Note: Termination costs are included with all communication equipment, panel boards, and devices. Terminations are not included with patch panels.

### 27 05 Common Work Results for Communications <sup>(27)</sup>

#### 27 05 26 Grounding and Bonding for Communications Systems <sup>(27 05)</sup>

27 05 26 00-0001	EA	25 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 720-00).....	597.91	75.13
Note: Excludes terminations.				
27 05 26 00-0002	EA	50 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 820-00).....	765.73	100.20
Note: Excludes terminations.				
27 05 26 00-0003	EA	100 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 630-00).....	1,211.21	150.26
Note: Excludes terminations.				
27 05 26 00-0004	EA	Lucent 3B1-EW, Gas Tube Protector Unit.....	7.23	1.10
27 05 26 00-0005	EA	44 Terminal Copper Ground Bus Bar (Siemens ECGK).....	48.78	19.85
27 05 26 00-0006	EA	2" x 1/4" x 12", TGB Pattern, Grounding Bus Bar.....	168.09	19.85
27 05 26 00-0007	EA	4" x 1/4" x 12", TMGB Pattern, Grounding Bus Bar.....	201.23	19.85
27 05 26 00-0008	EA	#6 AWG, Cable Runway Ground Strap.....	43.00	3.68
27 05 26 00-0009	EA	1/4" Screw Size, #6 AWG Compression Lug.....	15.27	3.68
27 05 26 00-0010	EA	3/8" Screw Size, #6 AWG Compression Lug.....	16.25	3.68
27 05 26 00-0011	EA	Two Mounting Hole, Ground Terminal Block.....	18.06	3.68

#### 27 05 29 Hangers And Supports For Communications Systems <sup>(27 05)</sup>

See CSI section 26 05 29 00-0000 for hangers and supports.

##### 27 05 29 00-0001 Communications And Low Voltage Cable Hooks (J-Hooks) <sup>(27 05 29)</sup>

##### 27 05 29 00-0002 Screw On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <sup>(27 05 29 00-0001)</sup>

Note: Includes screw.

27 05 29 00-0003	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12).....	5.65	1.84
<i>For &gt;50 To 100, Deduct</i>				
<i>For &gt;100 To 250, Deduct</i>				
<i>For &gt;250 To 500, Deduct</i>				
<i>For &gt;500, Deduct</i>				
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>				
<i>For Work In Restricted Working Space, Add</i>				
<i>For Painted Powder Coated Finish, Add</i>				
27 05 29 00-0004	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21).....	5.96	1.84
<i>For &gt;50 To 100, Deduct</i>				
<i>For &gt;100 To 250, Deduct</i>				
<i>For &gt;250 To 500, Deduct</i>				
<i>For &gt;500, Deduct</i>				
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>				
<i>For Work In Restricted Working Space, Add</i>				
<i>For Painted Powder Coated Finish, Add</i>				
<i>For Low Friction Xylan® Coated Finish, Add</i>				
27 05 29 00-0005	EA	2" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32).....	6.43	1.84
<i>For &gt;50 To 100, Deduct</i>				
<i>For &gt;100 To 250, Deduct</i>				
<i>For &gt;250 To 500, Deduct</i>				
<i>For &gt;500, Deduct</i>				
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>				
<i>For Work In Restricted Working Space, Add</i>				
<i>For Painted Powder Coated Finish, Add</i>				
<i>For Low Friction Xylan® Coated Finish, Add</i>				
27 05 29 00-0006	EA	4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64).....	10.52	1.84
<i>For &gt;50 To 100, Deduct</i>				
<i>For &gt;100 To 250, Deduct</i>				
<i>For &gt;250 To 500, Deduct</i>				
<i>For &gt;500, Deduct</i>				
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>				
<i>For Work In Restricted Working Space, Add</i>				
<i>For Painted Powder Coated Finish, Add</i>				
<i>For Low Friction Xylan® Coated Finish, Add</i>				

##### 27 05 29 00-0007 Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <sup>(27 05 29 00-0001)</sup>

Note: Includes screw.

27 05 29 00-0008	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-RB).....	6.37	1.84
<i>For &gt;50 To 100, Deduct</i>				
<i>For &gt;100 To 250, Deduct</i>				
<i>For &gt;250 To 500, Deduct</i>				
<i>For &gt;500, Deduct</i>				
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>				
<i>For Work In Restricted Working Space, Add</i>				



**27 Communications****27 05 Common Work Results for Communications****27 05 29 Hangers And Supports For Communications Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0009	EA		1-5/16" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-RB) .....	8.21	1.84
			<i>For &gt;50 To 100, Deduct</i>	-0.30	
			<i>For &gt;100 To 250, Deduct</i>	-0.59	
			<i>For &gt;250 To 500, Deduct</i>	-1.08	
			<i>For &gt;500, Deduct</i>	-1.56	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.02	
			<i>For Work In Restricted Working Space, Add</i>	1.10	
27 05 29 00-0010	EA		2" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-RB) .....	9.11	1.84
			<i>For &gt;50 To 100, Deduct</i>	-0.32	
			<i>For &gt;100 To 250, Deduct</i>	-0.64	
			<i>For &gt;250 To 500, Deduct</i>	-1.14	
			<i>For &gt;500, Deduct</i>	-1.65	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.02	
			<i>For Work In Restricted Working Space, Add</i>	1.10	
27 05 29 00-0011	EA		4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH4-RB) .....	12.31	1.84
			<i>For &gt;50 To 100, Deduct</i>	-0.40	
			<i>For &gt;100 To 250, Deduct</i>	-0.80	
			<i>For &gt;250 To 500, Deduct</i>	-1.38	
			<i>For &gt;500, Deduct</i>	-1.97	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.02	
			<i>For Work In Restricted Working Space, Add</i>	1.10	
27 05 29 00-0012			<b>Strut Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)</b> (27 05 29 00-0001) Note: Excludes strut.		
27 05 29 00-0013	EA		3/4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-SC4) .....	6.71	1.84
			<i>For &gt;50 To 100, Deduct</i>	-0.26	
			<i>For &gt;100 To 250, Deduct</i>	-0.52	
			<i>For &gt;250 To 500, Deduct</i>	-0.96	
			<i>For &gt;500, Deduct</i>	-1.41	
			<i>For Work In Restricted Working Space, Add</i>	1.10	
27 05 29 00-0014	EA		1-5/16" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-SC4) .....	7.94	1.84
			<i>For &gt;50 To 100, Deduct</i>	-0.29	
			<i>For &gt;100 To 250, Deduct</i>	-0.58	
			<i>For &gt;250 To 500, Deduct</i>	-1.06	
			<i>For &gt;500, Deduct</i>	-1.53	
			<i>For Work In Restricted Working Space, Add</i>	1.10	
27 05 29 00-0015	EA		2" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-SC4) .....	8.58	1.84
			<i>For &gt;50 To 100, Deduct</i>	-0.31	
			<i>For &gt;100 To 250, Deduct</i>	-0.61	
			<i>For &gt;250 To 500, Deduct</i>	-1.10	
			<i>For &gt;500, Deduct</i>	-1.59	
			<i>For Work In Restricted Working Space, Add</i>	1.10	
27 05 29 00-0016	EA		4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-SC4) .....	11.61	1.84
			<i>For &gt;50 To 100, Deduct</i>	-0.38	
			<i>For &gt;100 To 250, Deduct</i>	-0.76	
			<i>For &gt;250 To 500, Deduct</i>	-1.33	
			<i>For &gt;500, Deduct</i>	-1.90	
			<i>For Work In Restricted Working Space, Add</i>	1.10	
27 05 29 00-0017			<b>T-Bar Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)</b> (27 05 29 00-0001) Note: Excludes T-Bar.		
27 05 29 00-0018	EA		3/4" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-A28) .....	8.06	1.84
			<i>For &gt;50 To 100, Deduct</i>	-0.29	
			<i>For &gt;100 To 250, Deduct</i>	-0.59	
			<i>For &gt;250 To 500, Deduct</i>	-1.06	
			<i>For &gt;500, Deduct</i>	-1.54	
			<i>For Work In Restricted Working Space, Add</i>	1.10	
27 05 29 00-0019	EA		1-5/16" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-A28) .....	10.13	1.84
			<i>For &gt;50 To 100, Deduct</i>	-0.35	
			<i>For &gt;100 To 250, Deduct</i>	-0.69	
			<i>For &gt;250 To 500, Deduct</i>	-1.22	
			<i>For &gt;500, Deduct</i>	-1.75	
			<i>For Work In Restricted Working Space, Add</i>	1.10	
27 05 29 00-0020	EA		2" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-A28) .....	10.67	1.84
			<i>For &gt;50 To 100, Deduct</i>	-0.36	
			<i>For &gt;100 To 250, Deduct</i>	-0.72	
			<i>For &gt;250 To 500, Deduct</i>	-1.26	
			<i>For &gt;500, Deduct</i>	-1.80	
			<i>For Work In Restricted Working Space, Add</i>	1.10	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0021			<b>Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)</b> <small>(27 05 29 00-0001)</small>		
			Note: Excludes threaded rod. See CSI section 26 05 29 00-0372 for threaded rod.		
27 05 29 00-0022	EA		3/4" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-W6).....	6.55	1.84
			<i>For &gt;50 To 100, Deduct</i>	-0.26	
			<i>For &gt;100 To 250, Deduct</i>	-0.51	
			<i>For &gt;250 To 500, Deduct</i>	-0.95	
			<i>For &gt;500, Deduct</i>	-1.39	
			<i>For Work In Restricted Working Space, Add</i>	1.10	
27 05 29 00-0023	EA		1-5/16" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-W6).....	6.83	1.84
			<i>For &gt;50 To 100, Deduct</i>	-0.26	
			<i>For &gt;100 To 250, Deduct</i>	-0.53	
			<i>For &gt;250 To 500, Deduct</i>	-0.97	
			<i>For &gt;500, Deduct</i>	-1.42	
			<i>For Work In Restricted Working Space, Add</i>	1.10	
27 05 29 00-0024	EA		2" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-W6).....	8.27	1.84
			<i>For &gt;50 To 100, Deduct</i>	-0.30	
			<i>For &gt;100 To 250, Deduct</i>	-0.60	
			<i>For &gt;250 To 500, Deduct</i>	-1.08	
			<i>For &gt;500, Deduct</i>	-1.56	
			<i>For Work In Restricted Working Space, Add</i>	1.10	
27 05 29 00-0025			<b>Threaded Rod Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)</b> <small>(27 05 29 00-0001)</small>		
			Note: Excludes threaded rod, nuts and washers. See CSI section 26 05 29 00-0372 for threaded rod, nuts and washers.		
27 05 29 00-0026	EA		1-5/16" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-AB).....	8.10	1.84
			<i>For &gt;50 To 100, Deduct</i>	-0.29	
			<i>For &gt;100 To 250, Deduct</i>	-0.59	
			<i>For &gt;250 To 500, Deduct</i>	-1.07	
			<i>For &gt;500, Deduct</i>	-1.55	
			<i>For Work In Restricted Working Space, Add</i>	1.10	
27 05 29 00-0027	EA		2" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-AB).....	8.78	1.84
			<i>For &gt;50 To 100, Deduct</i>	-0.31	
			<i>For &gt;100 To 250, Deduct</i>	-0.62	
			<i>For &gt;250 To 500, Deduct</i>	-1.12	
			<i>For &gt;500, Deduct</i>	-1.61	
			<i>For Work In Restricted Working Space, Add</i>	1.10	
27 05 29 00-0028	EA		4" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-AB).....	12.13	1.84
			<i>For &gt;50 To 100, Deduct</i>	-0.40	
			<i>For &gt;100 To 250, Deduct</i>	-0.79	
			<i>For &gt;250 To 500, Deduct</i>	-1.37	
			<i>For &gt;500, Deduct</i>	-1.95	
			<i>For Work In Restricted Working Space, Add</i>	1.10	
27 05 29 00-0029			<b>Beam Clamp Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)</b> <small>(27 05 29 00-0001)</small>		
27 05 29 00-0030	EA		3/4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-C442A).....	8.01	1.84
			<i>For &gt;50 To 100, Deduct</i>	-0.29	
			<i>For &gt;100 To 250, Deduct</i>	-0.58	
			<i>For &gt;250 To 500, Deduct</i>	-1.06	
			<i>For &gt;500, Deduct</i>	-1.54	
			<i>For Work In Restricted Working Space, Add</i>	1.10	
27 05 29 00-0031	EA		1-5/16" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-C442A).....	9.21	1.84
			<i>For &gt;50 To 100, Deduct</i>	-0.32	
			<i>For &gt;100 To 250, Deduct</i>	-0.64	
			<i>For &gt;250 To 500, Deduct</i>	-1.15	
			<i>For &gt;500, Deduct</i>	-1.66	
			<i>For Work In Restricted Working Space, Add</i>	1.10	
27 05 29 00-0032	EA		2" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-C442A).....	9.85	1.84
			<i>For &gt;50 To 100, Deduct</i>	-0.34	
			<i>For &gt;100 To 250, Deduct</i>	-0.68	
			<i>For &gt;250 To 500, Deduct</i>	-1.20	
			<i>For &gt;500, Deduct</i>	-1.72	
			<i>For Work In Restricted Working Space, Add</i>	1.10	
27 05 29 00-0033	EA		4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-C442A).....	13.34	1.84
			<i>For &gt;50 To 100, Deduct</i>	-0.43	
			<i>For &gt;100 To 250, Deduct</i>	-0.85	
			<i>For &gt;250 To 500, Deduct</i>	-1.46	
			<i>For &gt;500, Deduct</i>	-2.07	
			<i>For Work In Restricted Working Space, Add</i>	1.10	

**27 Communications****27 05 Common Work Results for Communications****27 05 29 Hangers And Supports For Communications Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0034			<b>Adjustable Cable Supports (Caddy® CableCat CAT425)</b> <sup>(27 05 29)</sup>		
27 05 29 00-0035	EA		Wall Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	22.72	2.43
			<i>For &gt;50 To 100, Deduct</i>	-0.75	
			<i>For &gt;100 To 250, Deduct</i>	-1.50	
			<i>For &gt;250 To 500, Deduct</i>	-2.62	
			<i>For &gt;500, Deduct</i>	-3.74	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.94	
			<i>For Work In Restricted Working Space, Add</i>	2.20	
27 05 29 00-0036	EA		Threaded Rod Or Horizontal Surface Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425) .....	23.17	2.43
			<i>For &gt;50 To 100, Deduct</i>	-0.76	
			<i>For &gt;100 To 250, Deduct</i>	-1.53	
			<i>For &gt;250 To 500, Deduct</i>	-2.66	
			<i>For &gt;500, Deduct</i>	-3.79	
			<i>For Work In Restricted Working Space, Add</i>	2.20	
27 05 29 00-0037	EA		Up To 1/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425) .....	25.51	2.43
			<i>For &gt;50 To 100, Deduct</i>	-0.82	
			<i>For &gt;100 To 250, Deduct</i>	-1.64	
			<i>For &gt;250 To 500, Deduct</i>	-2.83	
			<i>For &gt;500, Deduct</i>	-4.02	
			<i>For Work In Restricted Working Space, Add</i>	2.20	
27 05 29 00-0038	EA		>1/4" To 3/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425) .....	22.64	2.43
			<i>For &gt;50 To 100, Deduct</i>	-0.75	
			<i>For &gt;100 To 250, Deduct</i>	-1.50	
			<i>For &gt;250 To 500, Deduct</i>	-2.62	
			<i>For &gt;500, Deduct</i>	-3.73	
			<i>For Work In Restricted Working Space, Add</i>	2.20	
27 05 29 00-0039	EA		Up To 1/2" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425) .....	23.73	2.43
			<i>For &gt;50 To 100, Deduct</i>	-0.78	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 500, Deduct</i>	-2.70	
			<i>For &gt;500, Deduct</i>	-3.84	
			<i>For Work In Restricted Working Space, Add</i>	2.20	
27 05 29 00-0040	EA		>1/2" To 5/8" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425) .....	24.80	2.43
			<i>For &gt;50 To 100, Deduct</i>	-0.80	
			<i>For &gt;100 To 250, Deduct</i>	-1.61	
			<i>For &gt;250 To 500, Deduct</i>	-2.78	
			<i>For &gt;500, Deduct</i>	-3.95	
			<i>For Work In Restricted Working Space, Add</i>	2.20	
27 05 29 00-0041	EA		Up To 1/4" Flange, Hammer On Purlin Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425) .....	23.36	2.43
			<i>For &gt;50 To 100, Deduct</i>	-0.77	
			<i>For &gt;100 To 250, Deduct</i>	-1.54	
			<i>For &gt;250 To 500, Deduct</i>	-2.67	
			<i>For &gt;500, Deduct</i>	-3.80	
			<i>For Work In Restricted Working Space, Add</i>	2.20	

**27 05 33 Conduits And Backboxes For Communications Systems** <sup>(27 05)</sup>

See CSI section 26 05 33 00-0000 for conduit and boxes.

**27 05 36 Cable Trays For Communications Systems** <sup>(27 05)</sup>

See CSI section 26 05 36 00-0000 for cable trays.

**27 05 39 Surface Raceways For Communications Systems** <sup>(27 05)</sup>

See CSI section 26 05 33 00-0000 for surface raceways.

**27 05 43 Underground Ducts And Raceways For Communications Systems** <sup>(27 05)</sup>

See CSI section 26 05 43 00-0000 for underground ducts and raceways.

**27 05 46 Utility Poles For Communications Systems** <sup>(27 05)</sup>

See CSI section 26 05 46 00-0000 for utility poles.

**27 05 53 Identification For Communications Systems** <sup>(27 05)</sup>

See CSI section 26 05 53 00-0000 for identification.

**27 10 Structured Cabling** <sup>(27)</sup>

Note: Includes testing.

**27 11 Communications Equipment Room Fittings** <sup>(27 10)</sup>**27 11 16 Communications Cabinets, Racks, Frames, And Enclosures** <sup>(27 11)</sup>**27 11 16 00-0001 3/4" Fire Retardant Plywood Backboards** <sup>(27 11 16)</sup>

27 11 16 00-0002	EA		4' x 4' x 3/4" Fire Retardant Plywood Phone Backboard.....	55.58	19.08
			<i>For Two Coats Of Non-Conductive, Fire Retardant Paint, Add</i>	24.94	
27 11 16 00-0003	EA		4' x 8' x 3/4" Fire Retardant Plywood Phone Backboard.....	111.16	38.16
			<i>For Two Coats Of Non-Conductive, Fire Retardant Paint, Add</i>	49.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>27 11 16 00-0004 Terminal Cabinets</b> <small>(27 11 16)</small>		
27 11 16 00-0005 EA 12" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	224.10	55.03
27 11 16 00-0006 EA 18" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	283.99	60.53
27 11 16 00-0007 EA 24" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	326.76	69.71
27 11 16 00-0008 EA 18" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	339.19	71.54
27 11 16 00-0009 EA 24" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	416.20	73.38
27 11 16 00-0010 EA 26" x 36" x 4" Phone Terminal Cabinet With Wood Backboard	516.08	82.55
27 11 16 00-0011 EA 24" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	528.70	80.71
27 11 16 00-0012 EA 30" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	678.21	114.98
27 11 16 00-0013 EA 36" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	725.20	126.36
27 11 16 00-0014 EA 42" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	877.98	133.48
27 11 16 00-0015 EA 30" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	725.17	110.07
27 11 16 00-0016 EA 36" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	784.23	119.24
27 11 16 00-0017 EA 48" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	977.31	152.85
27 11 16 00-0018 EA 54" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,172.81	191.07
27 11 16 00-0019 EA 48" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	1,332.64	188.95
27 11 16 00-0020 EA 60" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	1,529.43	229.89
<b>27 11 16 00-0021 Equipment Racks And Cable Managers</b> <small>(27 11 16)</small>		
<b>27 11 16 00-0022 Equipment Racks</b> <small>(27 11 16 00-0021)</small>		
Note: Electronics Industries Association EIA-310-D compliant. Includes aluminum construction with clear grained aluminum or black epoxy-polyester hybrid powder coat finish.		
<b>27 11 16 00-0023 Standard Equipment Racks</b> <small>(27 11 16 00-0022)</small>		
<b>27 11 16 00-0024 19" Width, Standard Equipment Racks</b> <small>(27 11 16 00-0023)</small>		
27 11 16 00-0025 EA 84" Height, 19" Width, 3" Depth, 45U, Standard Equipment Rack (Chatsworth 55053-X03)	404.33	117.41
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	8.48	
27 11 16 00-0026 EA 96" Height, 19" Width, 3" Depth, 51U, Standard Equipment Rack (Chatsworth 55053-X15)	584.01	124.75
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	16.73	
27 11 16 00-0027 EA 108" Height, 19" Width, 3" Depth, 58U, Standard Equipment Rack (Chatsworth 55053-X08)	632.48	132.08
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	18.42	
<b>27 11 16 00-0028 Universal Equipment Racks</b> <small>(27 11 16 00-0022)</small>		
<b>27 11 16 00-0029 Universal Equipment Racks</b> <small>(27 11 16 00-0028)</small>		
<b>27 11 16 00-0030 19" Width, EIA Universal Equipment Racks</b> <small>(27 11 16 00-0029)</small>		
27 11 16 00-0031 EA 36" Height, 19" Width, 3" Depth, 17U, EIA Universal Equipment Rack (Chatsworth 46353-X31)	556.02	102.73
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	17.53	
27 11 16 00-0032 EA 48" Height, 19" Width, 3" Depth, 24U, EIA Universal Equipment Rack (Chatsworth 46353-X20)	612.22	104.56
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	20.15	
27 11 16 00-0033 EA 60" Height, 19" Width, 3" Depth, 31U, EIA Universal Equipment Rack (Chatsworth 46353-X19)	610.24	106.40
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	19.87	
27 11 16 00-0034 EA 66" Height, 19" Width, 3" Depth, 34U, EIA Universal Equipment Rack (Chatsworth 46353-X00)	626.45	108.23
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	20.50	
27 11 16 00-0035 EA 72" Height, 19" Width, 3" Depth, 38U, EIA Universal Equipment Rack (Chatsworth 46353-X01)	642.48	110.07
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	21.12	
27 11 16 00-0036 EA 78" Height, 19" Width, 3" Depth, 41U, EIA Universal Equipment Rack (Chatsworth 46353-X02)	659.92	111.90
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	21.81	
27 11 16 00-0037 EA 84" Height, 19" Width, 3" Depth, 45U, EIA Universal Equipment Rack (Chatsworth 46353-X03)	551.23	113.74
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	16.19	
27 11 16 00-0038 EA 90" Height, 19" Width, 3" Depth, 48U, EIA Universal Equipment Rack (Chatsworth 46353-X05)	693.74	115.57
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	23.13	
27 11 16 00-0039 EA 96" Height, 19" Width, 3" Depth, 51U, EIA Universal Equipment Rack (Chatsworth 46353-X15)	719.65	117.41
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	24.24	
27 11 16 00-0040 EA 102" Height, 19" Width, 3" Depth, 55U, EIA Universal Equipment Rack (Chatsworth 46353-X17)	742.13	119.24
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	25.18	
27 11 16 00-0041 EA 108" Height, 19" Width, 3" Depth, 58U, EIA Universal Equipment Rack (Chatsworth 46353-X08)	746.75	121.08
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	25.23	
<b>27 11 16 00-0042 23" Width, Universal Equipment Racks</b> <small>(27 11 16 00-0029)</small>		
27 11 16 00-0043 EA 36" Height, 23" Width, 3" Depth, 17U, Universal Equipment Rack (Chatsworth 46383-X31)	592.00	102.73
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	19.33	
27 11 16 00-0044 EA 48" Height, 23" Width, 3" Depth, 24U, Universal Equipment Rack (Chatsworth 46383-X20)	613.55	104.56
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	20.22	
27 11 16 00-0045 EA 60" Height, 23" Width, 3" Depth, 31U, Universal Equipment Rack (Chatsworth 46383-X19)	632.39	106.40
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	20.98	
27 11 16 00-0046 EA 66" Height, 23" Width, 3" Depth, 34U, Universal Equipment Rack (Chatsworth 46383-X00)	668.59	108.23
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	22.61	
27 11 16 00-0047 EA 72" Height, 23" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46383-X01)	685.85	110.07
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	23.29	
27 11 16 00-0048 EA 78" Height, 23" Width, 3" Depth, 41U, Universal Equipment Rack (Chatsworth 46383-X02)	704.73	111.90
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	24.05	
27 11 16 00-0049 EA 84" Height, 23" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46383-X03)	596.56	113.74
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	18.45	
27 11 16 00-0050 EA 90" Height, 23" Width, 3" Depth, 48U, Universal Equipment Rack (Chatsworth 46383-X05)	741.30	115.57
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	25.51	

**27 Communications****27 10 Structured Cabling****27 11 Communications Equipment Room Fittings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0051 EA 96" Height, 23" Width, 3" Depth, 51U, Universal Equipment Rack (Chatsworth 46383-X15).....	769.46	117.41
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	26.73	
27 11 16 00-0052 EA 102" Height, 23" Width, 3" Depth, 55U, Universal Equipment Rack (Chatsworth 46383-X17).....	793.91	119.24
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	27.77	
27 11 16 00-0053 EA 108" Height, 23" Width, 3" Depth, 58U, Universal Equipment Rack (Chatsworth 46383-X08).....	798.61	121.08
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	27.82	
<b>27 11 16 00-0054 35" Width, Universal Equipment Racks (27 11 16 00-0029)</b>		
27 11 16 00-0055 EA 72" Height, 35" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46363-X01).....	746.83	110.07
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	26.33	
27 11 16 00-0056 EA 84" Height, 35" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46363-X03).....	787.78	113.74
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	28.02	
<b>27 11 16 00-0057 UL Listed Universal Equipment Racks (27 11 16 00-0028)</b>		
Note: UL listed as a communications circuit accessory.		
<b>27 11 16 00-0058 19" Width, UL Listed Universal Equipment Racks (27 11 16 00-0057)</b>		
27 11 16 00-0059 EA 36" Height, 19" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48353-X31) .....	591.09	102.73
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	19.28	
27 11 16 00-0060 EA 48" Height, 19" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48353-X20) .....	642.91	104.56
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	21.69	
27 11 16 00-0061 EA 60" Height, 19" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48353-X19) .....	652.61	106.40
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	21.99	
27 11 16 00-0062 EA 66" Height, 19" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48353-X00) .....	667.48	108.23
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	22.55	
27 11 16 00-0063 EA 72" Height, 19" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48353-X01) .....	684.70	110.07
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	23.23	
27 11 16 00-0064 EA 78" Height, 19" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48353-X02) .....	703.53	111.90
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	23.99	
27 11 16 00-0065 EA 84" Height, 19" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48353-X03) .....	721.56	113.74
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	24.70	
27 11 16 00-0066 EA 90" Height, 19" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48353-X05) .....	740.03	115.57
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	25.44	
27 11 16 00-0067 EA 96" Height, 19" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48353-X15) .....	768.15	117.41
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	26.67	
27 11 16 00-0068 EA 102" Height, 19" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48353-X17) .....	792.53	119.24
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	27.70	
27 11 16 00-0069 EA 108" Height, 19" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48353-X08) .....	797.17	121.08
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	27.75	
<b>27 11 16 00-0070 23" Width, UL Listed Universal Equipment Racks (27 11 16 00-0057)</b>		
27 11 16 00-0071 EA 36" Height, 23" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48383-X31) .....	630.69	102.73
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	21.26	
27 11 16 00-0072 EA 48" Height, 23" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48383-X20) .....	696.61	104.56
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	24.37	
27 11 16 00-0073 EA 60" Height, 23" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48383-X19) .....	705.19	106.40
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	24.62	
27 11 16 00-0074 EA 66" Height, 23" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48383-X00) .....	713.79	108.23
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	24.87	
27 11 16 00-0075 EA 72" Height, 23" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48383-X01) .....	732.41	110.07
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	25.61	
27 11 16 00-0076 EA 78" Height, 23" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48383-X02) .....	752.83	111.90
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	26.45	
27 11 16 00-0077 EA 84" Height, 23" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48383-X03) .....	772.32	113.74
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	27.24	
27 11 16 00-0078 EA 90" Height, 23" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48383-X05) .....	792.30	115.57
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	28.06	
27 11 16 00-0079 EA 96" Height, 23" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48383-X15) .....	822.91	117.41
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	29.41	
27 11 16 00-0080 EA 102" Height, 23" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48383-X17) .....	849.45	119.24
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	30.55	
27 11 16 00-0081 EA 108" Height, 23" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48383-X08) .....	854.34	121.08
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	30.61	
<b>27 11 16 00-0082 4-Post Equipment Racks And Server Frames (27 11 16 00-0022)</b>		
<b>27 11 16 00-0083 4-Post Equipment Racks (27 11 16 00-0082)</b>		
27 11 16 00-0084 EA 19" Width, 29" Depth, 84" Height, 4-Post Equipment Rack (Chatsworth 50120-X03).....	1,209.37	183.44
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	42.12	
27 11 16 00-0085 EA 19" Width, 29" Depth, 96" Height, 4-Post Equipment Rack (Chatsworth 50120-X15).....	1,326.28	190.78
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	47.24	
27 11 16 00-0086 EA 19" Width, 29" Depth, 108" Height, 4-Post Equipment Rack (Chatsworth 50120-X08).....	1,436.32	198.12
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	52.00	
<b>27 11 16 00-0087 4-Post Server Frame (27 11 16 00-0082)</b>		
27 11 16 00-0088 EA 19" Width, 29" Depth, 84" Height, Server Frame (Chatsworth 15053-X03) .....	1,246.42	183.44
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	43.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
<b>27 11 16 00-0089</b>	<b>Cable Managers (27 11 16 00-0021)</b>		
<b>27 11 16 00-0090</b>	<b>Horizontal Cable Managers (27 11 16 00-0089)</b>		
<b>27 11 16 00-0091</b>	<b>Single-Sided, Horizontal Cable Managers (27 11 16 00-0090)</b>		
27 11 16 00-0092	EA 1U Height, 19" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-719)	72.02	7.34
27 11 16 00-0093	EA 1U Height, 23" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-723)	80.71	7.34
27 11 16 00-0094	EA 1U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-701)	59.37	7.34
27 11 16 00-0095	EA 2U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-719)	73.32	7.34
27 11 16 00-0096	EA 2U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-723)	86.79	7.34
27 11 16 00-0097	EA 2U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-702)	66.24	7.34
27 11 16 00-0098	EA 3U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-719)	100.45	7.34
27 11 16 00-0099	EA 3U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-723)	114.98	7.34
27 11 16 00-0100	EA 3U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-703)	79.99	7.34
<b>27 11 16 00-0101</b>	<b>Double-Sided, Horizontal Cable Managers (27 11 16 00-0091)</b>		
27 11 16 00-0102	EA 1U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-719)	90.55	7.34
27 11 16 00-0103	EA 1U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-723)	102.02	7.34
27 11 16 00-0104	EA 2U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-719)	95.51	7.34
27 11 16 00-0105	EA 2U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-723)	111.93	7.34
27 11 16 00-0106	EA 3U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-719)	124.95	7.34
27 11 16 00-0107	EA 3U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-723)	140.47	7.34
<b>27 11 16 00-0108</b>	<b>Vertical Cable Managers (27 11 16 00-0089)</b>		
<b>27 11 16 00-0109</b>	<b>Single-Sided, Vertical Cable Managers (27 11 16 00-0108)</b>		
27 11 16 00-0110	EA 3.6" Width, 9.7" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-701)	164.68	11.01
27 11 16 00-0111	EA 6" Width, 9.8" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-701)	235.15	11.01
27 11 16 00-0112	EA 10" Width, 10.3" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-701)	382.97	11.01
27 11 16 00-0113	EA 12" Width, 10.4" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-701)	434.53	11.01
27 11 16 00-0114	EA 3.6" Width, 9.7" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-703)	176.71	11.01
27 11 16 00-0115	EA 6" Width, 9.8" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-703)	254.06	11.01
27 11 16 00-0116	EA 10" Width, 10.3" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-703)	417.34	11.01
27 11 16 00-0117	EA 12" Width, 10.4" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-703)	468.91	11.01
27 11 16 00-0118	EA 3.6" Width, 9.7" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-715)	200.78	11.01
27 11 16 00-0119	EA 6" Width, 9.8" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-715)	279.84	11.01
27 11 16 00-0120	EA 10" Width, 10.3" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-715)	468.91	11.01
27 11 16 00-0121	EA 12" Width, 10.4" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-715)	520.47	11.01
<b>27 11 16 00-0122</b>	<b>Double-Sided, Vertical Cable Managers (27 11 16 00-0108)</b>		
27 11 16 00-0123	EA 3.6" Width, 16.4" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-701)	242.03	11.01
27 11 16 00-0124	EA 6" Width, 16.6" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-701)	286.72	11.01
27 11 16 00-0125	EA 10" Width, 17.5" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-701)	468.91	11.01
27 11 16 00-0126	EA 12" Width, 17.8" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-701)	554.85	11.01
27 11 16 00-0127	EA 3.6" Width, 16.4" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-703)	262.65	11.01
27 11 16 00-0128	EA 6" Width, 16.6" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-703)	307.34	11.01
27 11 16 00-0129	EA 10" Width, 17.5" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-703)	503.28	11.01
27 11 16 00-0130	EA 12" Width, 17.8" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-703)	589.22	11.01
27 11 16 00-0131	EA 3.6" Width, 16.4" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-715)	290.15	11.01
27 11 16 00-0132	EA 6" Width, 16.6" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-715)	334.84	11.01
27 11 16 00-0133	EA 10" Width, 17.5" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-715)	554.85	11.01
27 11 16 00-0134	EA 12" Width, 17.8" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-715)	640.79	11.01
<b>27 11 16 00-0135</b>	<b>Accessories For Vertical Cable Managers (27 11 16 00-0108)</b>		
27 11 16 00-0136	EA Cable Ring Kit For 3.6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-716)	100.62	7.34
27 11 16 00-0137	EA Cable Ring Kit For 3.6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-717)	107.50	7.34
27 11 16 00-0138	EA Cable Ring Kit For 3.6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-718)	114.37	7.34
27 11 16 00-0139	EA Cable Ring Kit For 6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-726)	104.06	7.34
27 11 16 00-0140	EA Cable Ring Kit For 6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-727)	114.37	7.34
27 11 16 00-0141	EA Cable Ring Kit For 6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-728)	124.68	7.34
27 11 16 00-0142	EA Cable Ring Kit For 10" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-746)	117.81	7.34
27 11 16 00-0143	EA Cable Ring Kit For 10" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-747)	128.12	7.34
27 11 16 00-0144	EA Cable Ring Kit For 10" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-748)	138.43	7.34
27 11 16 00-0145	EA Cable Ring Kit For 12" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-756)	124.68	7.34
27 11 16 00-0146	EA Cable Ring Kit For 12" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-757)	138.43	7.34
27 11 16 00-0147	EA Cable Ring Kit For 12" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-758)	148.75	7.34
27 11 16 00-0148	EA Cable Lashing Bar Kit For Vertical Cable Managers (Chatsworth 13928-001)	83.43	7.34
27 11 16 00-0149	EA Cable Spool Kit For Vertical Cable Managers (Chatsworth 13935-701)	97.18	7.34
27 11 16 00-0150	EA Cable Distribution Spools For Vertical Cable Managers (Chatsworth 15008-001)	101.82	7.34
27 11 16 00-0151	EA Cable Distribution Spool Spacer Kit For Vertical Cable Managers (Chatsworth 35505-001)	62.81	7.34

**27 11 19 Communications Termination Blocks And Patch Panels (27 11)**

Note: The terminating, testing, and labeling of the cables in question should be done according to the task description as well as the current contract specifications. See CSI section 27 14 43 00-0074 for labeling.

**27 11 19 00-0001 Computer Network Components (27 11 19)**

**27 Communications****27 10 Structured Cabling****27 11 Communications Equipment Room Fittings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0002			<b>Ethernet Patch Panels</b> (27 11 19 00-0001)		
27 11 19 00-0003	EA		12 Port, Category 5E Patch Panel.....	174.80	36.69
27 11 19 00-0004	EA		24 Port, Category 5E Patch Panel.....	261.33	36.69
27 11 19 00-0005	EA		32 Port, Category 5E Patch Panel.....	343.21	36.69
27 11 19 00-0006	EA		48 Port, Category 5E Patch Panel.....	419.51	36.69
27 11 19 00-0007	EA		64 Port, Category 5E Patch Panel.....	554.97	45.87
27 11 19 00-0008	EA		96 Port, Category 5E Patch Panel.....	776.27	55.03
27 11 19 00-0009	EA		12 Port, Category 6 Patch Panel.....	216.67	36.69
27 11 19 00-0010	EA		24 Port, Category 6 Patch Panel.....	266.91	36.69
27 11 19 00-0011	EA		48 Port, Category 6 Patch Panel.....	460.45	36.69
27 11 19 00-0012	EA		96 Port, Category 6 Patch Panel.....	854.43	55.03
27 11 19 00-0013	EA		16" x 12" x 8" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161208LP).....	441.19	55.03
27 11 19 00-0014	EA		16" x 16" x 6" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161606LP).....	464.31	55.03
27 11 19 00-0015	EA		12 Port, Category 6 Modular to 110 Mini Patch Panel (Ortronics-Legrand OR-PMP61289).....	183.15	36.69
27 11 19 00-0016	EA		Terminate One End Of A 4 Pair Cable To Category "X" Specifications.....	26.00	
			<i>For &gt;5 To 10 Cables, Deduct</i>	-4.68	
			<i>For &gt;10 Cables, Deduct</i>	-10.40	
27 11 19 00-0017	EA		Terminate One End Of A Twisted Pair Of Wires.....	7.15	
			Note: Per each pair		
			<i>For &gt;20 To 40 Pairs, Deduct</i>	-1.14	
			<i>For &gt;40 Pairs, Deduct</i>	-2.72	
27 11 19 00-0018			<b>Fiber Optic Cable Patch Panels And Enclosures</b> (27 11 19 00-0001)		
27 11 19 00-0019			<b>Fiber Optic Cable Connector Housings</b> (27 11 19 00-0018)		
27 11 19 00-0020			<b>Wall Mount, Fiber Optic Cable Connector Housings</b> (27 11 19 00-0019) Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0021	EA		1-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing.....	95.20	16.51
27 11 19 00-0022	EA		2-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing.....	143.59	16.51
27 11 19 00-0023	EA		4-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing.....	215.18	16.51
27 11 19 00-0024	EA		6-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing.....	316.92	27.52
27 11 19 00-0025	EA		12-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing.....	444.38	27.52
27 11 19 00-0026			<b>Rack Mount, Fiber Optic Cable Connector Housings</b> (27 11 19 00-0019) Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0027	EA		2-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing.....	329.98	27.52
27 11 19 00-0028	EA		4-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing.....	378.58	27.52
27 11 19 00-0029	EA		6-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing.....	408.31	27.52
27 11 19 00-0030	EA		12-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing.....	480.14	27.52
27 11 19 00-0031			<b>Rack Mount, Fiber Optic Cable Pretium® Connector Housings</b> (27 11 19 00-0019) Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0032	EA		2-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing.....	413.28	27.52
			<i>For Splice Tray Bracket, Add</i>	44.96	
27 11 19 00-0033	EA		4-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing.....	485.57	27.52
			<i>For Splice Tray Bracket, Add</i>	49.16	
27 11 19 00-0034	EA		12-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing.....	607.40	27.52
			<i>For Splice Tray Bracket, Add</i>	179.12	
27 11 19 00-0035			<b>Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housings</b> (27 11 19 00-0019) Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0036	EA		8 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing.....	526.66	27.52
27 11 19 00-0037	EA		12 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing.....	675.71	27.52
27 11 19 00-0038	EA		24 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing.....	766.06	27.52
27 11 19 00-0039	EA		48 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing.....	996.49	27.52
27 11 19 00-0040			<b>Wall Mount, Fiber Optic Cable Industrial Connector Housings</b> (27 11 19 00-0019) Note: Includes powder-coat finish, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0041	EA		2-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing.....	472.69	16.51
27 11 19 00-0042	EA		6-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing.....	652.44	27.52
27 11 19 00-0043	EA		12-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing.....	685.08	27.52
27 11 19 00-0044			<b>Wall Mount, Fiber Optic Cable Environmental Connector Housings</b> (27 11 19 00-0019) Note: Includes NEMA 4X enclosure, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0045	EA		2-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing.....	495.24	16.51
27 11 19 00-0046	EA		6-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing.....	652.05	27.52
27 11 19 00-0047	EA		12-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing.....	767.51	27.52



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>27 11 19 00-0048</b> Fiber Optic Cable Connector Panels (27 11 19 00-0018)		
<b>27 11 19 00-0049</b> SC Simplex, Fiber Optic Cable Connector Panels (27 11 19 00-0048)		
27 11 19 00-0050 EA 6-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	64.64	3.67
27 11 19 00-0051 EA 6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel.....	70.24	3.67
27 11 19 00-0052 EA 8-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	78.94	3.67
27 11 19 00-0053 EA 8-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel.....	86.40	3.67
27 11 19 00-0054 EA 12-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	107.55	3.67
27 11 19 00-0055 EA 12-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel.....	118.72	3.67
<b>27 11 19 00-0056</b> SC Duplex, Fiber Optic Cable Connector Panels (27 11 19 00-0048)		
27 11 19 00-0057 EA 6-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel.....	62.16	3.67
27 11 19 00-0058 EA 6-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel.....	63.48	3.67
27 11 19 00-0059 EA 8-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel.....	75.66	3.67
27 11 19 00-0060 EA 8-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel.....	77.40	3.67
27 11 19 00-0061 EA 12-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel.....	102.63	3.67
27 11 19 00-0062 EA 12-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel.....	105.23	3.67
<b>27 11 19 00-0063</b> LC Duplex, Fiber Optic Cable Connector Panels (27 11 19 00-0048)		
27 11 19 00-0064 EA 6-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	67.22	3.67
27 11 19 00-0065 EA 6-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	73.82	3.67
27 11 19 00-0066 EA 8-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	82.37	3.67
27 11 19 00-0067 EA 8-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	91.18	3.67
27 11 19 00-0068 EA 12-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	112.71	3.67
27 11 19 00-0069 EA 12-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	125.90	3.67
27 11 19 00-0070 EA 16-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	143.04	3.67
27 11 19 00-0071 EA 16-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	160.61	3.67
27 11 19 00-0072 EA 24-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	203.68	3.67
27 11 19 00-0073 EA 24-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel.....	209.81	3.67
<b>27 11 19 00-0074</b> ST Simplex, Fiber Optic Cable Connector Panels (27 11 19 00-0048)		
27 11 19 00-0075 EA 6-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel.....	53.55	3.67
27 11 19 00-0076 EA 6-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	57.78	3.67
27 11 19 00-0077 EA 8-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel.....	64.15	3.67
27 11 19 00-0078 EA 8-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	69.81	3.67
27 11 19 00-0079 EA 12-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel.....	85.36	3.67
27 11 19 00-0080 EA 12-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	93.84	3.67
<b>27 11 19 00-0081</b> MT-RJ, Fiber Optic Cable Connector Panels (27 11 19 00-0048)		
27 11 19 00-0082 EA 12-Fiber, Multimode, MT-RJ, Fiber Optic Cable Connector Panel.....	66.82	3.67
27 11 19 00-0083 EA 12-Fiber, Singlemode, MT-RJ, Fiber Optic Cable Connector Panel.....	100.52	3.67
<b>27 11 19 00-0084</b> Fiber Optic Cable Pretium Edge® Modules (27 11 19 00-0048)		
27 11 19 00-0085 EA 12-Fiber, Singlemode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module.....	583.53	3.67
27 11 19 00-0086 EA 12-Fiber, Multimode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module.....	585.56	3.67
<b>27 11 19 00-0087</b> Fiber Optic Cable Splice Housings (27 11 19 00-0018)		
<b>27 11 19 00-0088</b> Wall Mount, Fiber Optic Cable Splice Housings (27 11 19 00-0087)		
Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0089 EA 12 Splice Tray Capacity, Wall Mount, Fiber Optic Splice Housing With Locking Door.....	223.49	36.69
<b>27 11 19 00-0090</b> Rack Mount, Fiber Optic Cable Splice Housings (27 11 19 00-0087)		
Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0091 EA 12 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing.....	342.60	27.52
27 11 19 00-0092 EA 22 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing.....	347.86	27.52
<b>27 11 19 00-0093</b> Fiber Optic Cable Splice Trays (27 11 19 00-0087)		
27 11 19 00-0094 EA Fiber Optic Cable Splice Tray.....	64.28	9.17
<b>27 11 19 00-0095</b> Fiber Optic Cable Jumper Management Panels (27 11 19 00-0018)		
Note: Includes mounting hardware.		
27 11 19 00-0096 EA Rack Mount, Fiber Optic Cable Jumper Management Panel.....	122.14	27.52
<b>27 11 19 00-0097</b> Miscellaneous Accessories (27 11 19 00-0001)		
27 11 19 00-0098 EA Wall Mount Bracket For 12 Or 24 Port Patch Panel.....	45.57	
27 11 19 00-0099 EA Wall Mount Bracket For 32 Or 48 Port Patch Panel.....	61.05	
27 11 19 00-0100 EA Wall Mount Bracket For 64 Or 72 Port Patch Panel.....	66.42	
27 11 19 00-0101 EA Wall Mount Bracket For 96 Port Patch Panel.....	73.91	
27 11 19 00-0102 EA Lightning Protection Plus Stainless Steel Modules, Siemon.....	301.53	36.69



<b>27</b>	<b>Communications</b>
<b>27 10</b>	<b>Structured Cabling</b>
<b>27 11</b>	<b>Communications Equipment Room Fittings</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0103			Telephone Components <small>(27 11 19)</small>		
27 11 19 00-0104			Terminal Blocks With Wide Range Of 22-8 AWG <small>(27 11 19 00-0103)</small>		
27 11 19 00-0105	EA		Terminal Block, Circuit Isolation Switch With Wire Range 22-8 AWG.....	21.34	7.35
27 11 19 00-0106	EA		Terminal Block, Fuse Holder 600 Volt, 6.3 Amp With Wire Range 22-8 AWG.....	40.06	7.35
27 11 19 00-0107	EA		Terminal Block, Fuse Holder 600 Volt, 10 Amp With Wire Range 22-8 AWG.....	32.40	7.35
27 11 19 00-0108	EA		Terminal Block, Solderless Box With Lugs And Wire Range 22-8 AWG.....	16.56	7.35
27 11 19 00-0109	EA		Flat Terminal Block Connection With Wire Range 22-8 AWG.....	11.75	5.14
27 11 19 00-0110	EA		Ground Terminal Block With Wire Range 22-8 AWG.....	22.15	7.35
27 11 19 00-0111	EA		Terminal Block, Solderless Box With Lug 600 Volt, 60 Amp With Wire Range 22-8 AWG.....	16.56	7.35
27 11 19 00-0112	EA		Terminal Block, Mini Box Lug 300 Volt, 30 Amp With Wire Range 22-8 AWG.....	11.63	5.14
27 11 19 00-0113	EA		Flat Terminal Block Connection 300 Volt, 20 Amp With Wire Range 22-8 AWG.....	11.55	5.14
27 11 19 00-0114	EA		Self Lifting Terminal Block, 300 Volt, 40 Amp Wire Connection With Wire Range 22-12 AWG.....	11.92	5.14
27 11 19 00-0115			Terminal Block Mounting Channel <small>(27 11 19 00-0103)</small>		
27 11 19 00-0116	EA		Terminal Block Mounting Channel, .5 M Galvanized Steel.....	11.25	3.68
27 11 19 00-0117	EA		Terminal Block Mounting Channel, 1 M Galvanized Steel.....	14.44	3.68
27 11 19 00-0118	EA		Terminal Block Mounting Channel, 2 M Galvanized Steel.....	20.01	3.68
27 11 19 00-0119	EA		Terminal Block Mounting Channel, .5 M Bi-Chrome Zinc.....	14.36	4.41
27 11 19 00-0120	EA		Terminal Block Mounting Channel, 1 M Bi-Chrome Zinc.....	19.64	4.41
27 11 19 00-0121	EA		Terminal Block Mounting Channel, 2 M Bi-Chrome Zinc.....	28.31	4.41
27 11 19 00-0122	EA		Mud Ring For Telecommunications.....	14.95	3.68
27 11 19 00-0123			Outlet Termination Hardware <small>(27 11 19 00-0103)</small>		
27 11 19 00-0124	EA		Telephone Outlet Blocks.....	21.40	3.68
27 11 19 00-0125	EA		Phone Outlet Block For Floor Box..... Note: Excludes box.	61.43	27.88
27 11 19 00-0126	EA		Fiber Optic "SC" Type Modular Bulkhead.....	53.31	16.51
27 11 19 00-0127	EA		Fiber Optic "ST" Type Modular Bulkhead.....	53.31	16.51
27 11 19 00-0128	EA		Type "F" Coaxial Connector Male.....	31.32	11.01
27 11 19 00-0129	EA		Modular Plate For 3-RJ-45, 4 - "SC" And 1 -"F" Connector.....	79.81	18.35
27 11 19 00-0130	EA		Modular Plate For 3-RJ-45, 4 - "ST" And 1 -"F" Connector.....	79.81	18.35
27 11 19 00-0131	EA		Access Floor Box With 3-RJ-45, 4 - "SC" And 1 -"F" Connector.....	95.88	18.35
27 11 19 00-0132	EA		Access Floor Box With 3-RJ-45, 4 - "ST" And 1 -"F" Connector.....	95.88	18.35
27 11 19 00-0133	EA		Access Floor Box With 2-RJ-45, 4 - "SC" And 1 -25 Pin Connector.....	87.42	18.35
27 11 19 00-0134	EA		Terminal Type - Punch Down Block 110 Type - 300 Pair Category 5.....	751.67	91.72
27 11 19 00-0135	EA		Wiring (Punch Down) Block with Stand-Off Legs, 100 Pair, Category V..... Note: Excludes cable terminations.	37.46	7.34
27 11 19 00-0136	EA		Connecting Block, 5-Pair.....	2.25	0.73
27 11 19 00-0137	EA		Connecting Block, 4-Pair.....	2.43	0.73
27 11 19 00-0138	EA		Plastic Label Holder, Transparent.....	9.18	1.83
27 11 19 00-0139	EA		Marked Label, White, 5-Pair.....	2.51	
27 11 19 00-0140	EA		Marked Label, Blue, 4-Pair.....	2.51	
27 11 19 00-0141			Terminations in Manhole or Junction Box <small>(27 11 19 00-0103)</small>		
27 11 19 00-0142	EA		25 Pair Cable Termination In Manhole Or Junction Box.....	117.41	
27 11 19 00-0143	EA		50 Pair Cable Termination In Manhole Or Junction Box.....	234.81	
27 11 19 00-0144	EA		100 Pair Cable Termination In Manhole Or Junction Box.....	469.62	
27 11 19 00-0145	EA		150 Pair Cable Termination In Manhole Or Junction Box.....	704.42	
27 11 19 00-0146	EA		200 Pair Cable Termination In Manhole Or Junction Box.....	824.03	
27 11 19 00-0147	EA		300 Pair Cable Termination In Manhole Or Junction Box.....	1,235.68	
27 11 19 00-0148	EA		400 Pair Cable Termination In Manhole Or Junction Box.....	1,554.14	
27 11 19 00-0149	EA		500 Pair Cable Termination In Manhole Or Junction Box.....	1,943.04	
27 11 19 00-0150	EA		750 Pair Cable Termination In Manhole Or Junction Box.....	2,914.55	
27 11 19 00-0151	EA		1,000 Pair Cable Termination In Manhole Or Junction Box.....	3,534.57	
27 11 19 00-0152	EA		1,200 Pair Cable Termination In Manhole Or Junction Box.....	4,028.46	
27 11 23			Communications Cable Management and Ladder Rack <small>(27 11)</small>		
27 11 23 00-0001			Equipment Supports <small>(27 11 23)</small>		
27 11 23 00-0002	EA		12" x 5'-11" Tubular Runway.....	71.85	17.61
27 11 23 00-0003	EA		12" x 9'-11" Tubular Runway.....	123.87	29.35
27 11 23 00-0004	EA		Shelf Bracket Support For Tubular Runway.....	22.76	5.50
27 11 23 00-0005	EA		Straight Clamp Hardware For Tubular Runway.....	9.77	3.67
27 11 23 00-0006	EA		Corner Clamp Hardware For Tubular Runway.....	10.37	3.67
27 11 23 00-0007	EA		90 Degree Edge Clamp Hardware For Tubular Runway.....	23.74	6.61
27 11 23 00-0008	EA		Wall Angle Assembly Hardware For 12" Wide Tubular Runway.....	50.50	11.01
27 11 23 00-0009	EA		J-Bolt Hardware For Tubular Runway.....	4.61	1.61
27 11 23 00-0010	EA		T Bracket Hardware For Tubular Runway.....	25.97	9.17
27 11 23 00-0011	EA		110 Jumper Trough (Commscope 107831133).....	22.85	3.67
27 11 23 00-0012	LF		Velcro CMP.....	1.82	0.73

## 27 14 Communications Cabling (27 10)



<b>Communications</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>
<b>Communications Cabling</b>	<b>27 14</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**27 14 13 Communications Copper Cabling (27 14)**

**27 14 13 13 Communications Copper Cable Splicing and Terminations (27 14 13)**

**27 14 13 13-0001 Building Entrance Terminals (27 14 13 13)**

27 14 13 13-0002	EA	25 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	1,468.87	161.00
27 14 13 13-0003	EA	50 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	1,967.10	268.34
27 14 13 13-0004	EA	100 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	2,791.80	429.67

**27 14 13 13-0005 Modular Plugs For Copper Communications Cable (27 14 13 13)**

27 14 13 13-0006	EA	Modular Plug For Non-Shielded Copper Communications Cable.....	18.12	
Note: Up to 8-position/8-contact non-shielded modular plug for solid or stranded wire. Includes termination.				
For >5 To 10, Deduct			-2.20	
For >10, Deduct			-4.39	
27 14 13 13-0007	EA	Modular Plug For Shielded Copper Communications Cable.....	20.68	
Note: Up to 8-position/8-contact shielded modular plug for solid or stranded wire. Includes termination.				
For >5 To 10, Deduct			-2.47	
For >10, Deduct			-4.94	

**27 14 13 13-0008 Testing And Certification Of Copper Communications Cable (27 14 13 13)**

Note: Use for existing systems.				
27 14 13 13-0009	EA	Test 1-Pair Of A Copper Communications Cable For Continuity .....	3.67	
For >25-Pair, Deduct			-1.46	
27 14 13 13-0010	EA	Certify 1-Pair Of A Copper Communications Cable.....	5.50	
For >25-Pair, Deduct			-2.20	
27 14 13 13-0011	EA	Certify And Document 1-Pair Of A Copper Communications Cable .....	8.80	
For >25-Pair, Deduct			-3.51	
27 14 13 13-0012	EA	Test 4-Pair Cat 5-7 Telecommunications Cable For Continuity .....	14.68	
For >25-Pair, Deduct			-5.86	
27 14 13 13-0013	EA	Certify 4-Pair Cat 5-7 Telecommunications Cable .....	22.02	
For >25-Pair, Deduct			-8.78	
27 14 13 13-0014	EA	Certify And Document 4-Pair Cat 5-7 Telecommunications Cable .....	35.22	
For >25-Pair, Deduct			-14.05	

**27 14 13 13-0015 Communications Termination Blocks (27 14 13 13)**

27 14 13 13-0016	EA	100-Pair, 110 Block With Legs.....	35.80	9.17
27 14 13 13-0017	EA	300-Pair, 110 Block With Legs.....	61.19	9.17
27 14 13 13-0018	EA	Clear Label Holder For 110 Wiring Block.....	7.83	3.67
27 14 13 13-0019	EA	4-Pair, 110C Connecting Block.....	4.44	1.83
27 14 13 13-0020	EA	5-Pair, 110C Connecting Block.....	4.53	1.83
27 14 13 13-0021	EA	100-Pair, 110 Jack Panel System.....	196.93	11.01
Note: Includes twelve 8-pin modular jacks and mounting legs.				
27 14 13 13-0022	EA	300-Pair, 110 Jack Panel System.....	466.46	11.01
Note: Includes twelve 8-pin modular jacks and mounting legs.				

**27 14 13 16 Communications Copper Cabling (27 14 13)**

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

**27 14 13 16-0001 Solid Conductor Low Voltage Cable (27 14 13 16)**

**27 14 13 16-0002 Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 14 13 16-0001)**

**27 14 13 16-0003 #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 14 13 16-0002)**

27 14 13 16-0004	MLF	1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,639.36	664.13
For #10 AWG, Add			397.08	
For Work In Restricted Working Space, Add			332.09	
27 14 13 16-0005	MLF	2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,128.79	687.61
For #10 AWG, Add			553.48	
For Work In Restricted Working Space, Add			343.91	
27 14 13 16-0006	MLF	3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,554.66	711.76
For #10 AWG, Add			688.87	
For Work In Restricted Working Space, Add			355.78	
27 14 13 16-0007	MLF	4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,006.22	735.91
For #10 AWG, Add			832.56	
For Work In Restricted Working Space, Add			368.06	
27 14 13 16-0008	MLF	5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,475.27	785.55
For #10 AWG, Add			976.59	
For Work In Restricted Working Space, Add			392.89	
27 14 13 16-0009	MLF	6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,899.42	834.52
For #10 AWG, Add			1,105.95	
For Work In Restricted Working Space, Add			417.37	

<b>27</b>	<b>Communications</b>
<b>27 10</b>	<b>Structured Cabling</b>
<b>27 14</b>	<b>Communications Cabling</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0010 MLF 8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,197.30	933.81
For #10 AWG, Add	1,182.82	
For Work In Restricted Working Space, Add	466.82	
27 14 13 16-0011 MLF 12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,572.91	1,230.98
For #10 AWG, Add	1,572.40	
For Work In Restricted Working Space, Add	615.37	
27 14 13 16-0012 MLF 24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	8,311.68	1,817.97
For #10 AWG, Add	2,349.06	
For Work In Restricted Working Space, Add	908.75	
<b>27 14 13 16-0013 #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 14 13 16-0002)</b>		
27 14 13 16-0014 MLF 1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,476.70	580.95
For Work In Restricted Working Space, Add	290.41	
27 14 13 16-0015 MLF 2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,941.58	601.74
For Work In Restricted Working Space, Add	300.87	
27 14 13 16-0016 MLF 3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,345.57	622.54
For Work In Restricted Working Space, Add	311.33	
27 14 13 16-0017 MLF 4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,773.45	644.00
For Work In Restricted Working Space, Add	322.00	
27 14 13 16-0018 MLF 5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,214.98	687.61
For Work In Restricted Working Space, Add	343.74	
27 14 13 16-0019 MLF 6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,613.38	730.54
For Work In Restricted Working Space, Add	365.07	
27 14 13 16-0020 MLF 8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,885.43	817.08
For Work In Restricted Working Space, Add	408.54	
27 14 13 16-0021 MLF 12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,159.33	1,076.69
For Work In Restricted Working Space, Add	538.35	
27 14 13 16-0022 MLF 24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,698.40	1,590.56
For Work In Restricted Working Space, Add	795.34	
<b>27 14 13 16-0023 #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 14 13 16-0002)</b>		
27 14 13 16-0024 MLF 1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,312.65	518.55
For Work In Restricted Working Space, Add	259.41	
27 14 13 16-0025 MLF 2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,614.36	537.34
For Work In Restricted Working Space, Add	268.67	
27 14 13 16-0026 MLF 3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,078.07	556.12
For Work In Restricted Working Space, Add	277.93	
27 14 13 16-0027 MLF 4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,455.73	574.91
For Work In Restricted Working Space, Add	287.59	
27 14 13 16-0028 MLF 5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,845.16	613.81
For Work In Restricted Working Space, Add	306.91	
27 14 13 16-0029 MLF 6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,197.09	652.05
For Work In Restricted Working Space, Add	326.03	
27 14 13 16-0030 MLF 7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,317.47	690.97
For Work In Restricted Working Space, Add	345.35	
27 14 13 16-0031 MLF 8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,438.54	729.87
For Work In Restricted Working Space, Add	364.87	
27 14 13 16-0032 MLF 9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,886.06	776.16
For Work In Restricted Working Space, Add	388.01	
27 14 13 16-0033 MLF 12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,565.37	961.31
For Work In Restricted Working Space, Add	480.69	
27 14 13 16-0034 MLF 24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,811.67	1,420.16
For Work In Restricted Working Space, Add	710.12	
<b>27 14 13 16-0035 #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 14 13 16-0002)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0036 MLF 1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,077.02	456.84
<i>For Work In Restricted Working Space, Add</i>	228.22	
27 14 13 16-0037 MLF 2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,371.90	472.94
<i>For Work In Restricted Working Space, Add</i>	236.47	
27 14 13 16-0038 MLF 3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,628.90	489.04
<i>For Work In Restricted Working Space, Add</i>	244.72	
27 14 13 16-0039 MLF 4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,900.35	505.81
<i>For Work In Restricted Working Space, Add</i>	252.98	
27 14 13 16-0040 MLF 5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,186.85	540.03
<i>For Work In Restricted Working Space, Add</i>	270.08	
27 14 13 16-0041 MLF 6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,446.72	573.56
<i>For Work In Restricted Working Space, Add</i>	286.99	
27 14 13 16-0042 MLF 8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,639.14	641.99
<i>For Work In Restricted Working Space, Add</i>	321.00	
27 14 13 16-0043 MLF 12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,502.31	845.93
<i>For Work In Restricted Working Space, Add</i>	423.03	
27 14 13 16-0044 MLF 24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,221.26	1,249.77
<i>For Work In Restricted Working Space, Add</i>	624.89	
<b>27 14 13 16-0045 #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 14 13 16-0002)</small></b>		
27 14 13 16-0046 MLF 1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	934.70	415.25
<i>For Work In Restricted Working Space, Add</i>	207.49	
27 14 13 16-0047 MLF 2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,166.31	430.01
<i>For Work In Restricted Working Space, Add</i>	214.94	
27 14 13 16-0048 MLF 3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,366.17	445.10
<i>For Work In Restricted Working Space, Add</i>	222.38	
27 14 13 16-0049 MLF 4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,576.89	460.20
<i>For Work In Restricted Working Space, Add</i>	230.03	
27 14 13 16-0050 MLF 5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,806.80	491.06
<i>For Work In Restricted Working Space, Add</i>	245.42	
27 14 13 16-0051 MLF 6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,014.51	521.91
<i>For Work In Restricted Working Space, Add</i>	260.82	
27 14 13 16-0052 MLF 8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,196.12	583.62
<i>For Work In Restricted Working Space, Add</i>	291.81	
27 14 13 16-0053 MLF 12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,889.79	769.45
<i>For Work In Restricted Working Space, Add</i>	384.59	
27 14 13 16-0054 MLF 24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,305.50	1,136.40
<i>For Work In Restricted Working Space, Add</i>	568.13	
27 14 13 16-0055 MLF 25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,622.62	1,163.24
<i>For Work In Restricted Working Space, Add</i>	581.62	
27 14 13 16-0056 MLF 36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,546.10	1,354.42
<i>For Work In Restricted Working Space, Add</i>	677.21	
27 14 13 16-0057 MLF 40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,954.57	1,449.68
<i>For Work In Restricted Working Space, Add</i>	724.91	
27 14 13 16-0058 MLF 50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,026.37	1,811.93
<i>For Work In Restricted Working Space, Add</i>	905.83	
27 14 13 16-0059 MLF 100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	9,645.58	2,385.49
<i>For Work In Restricted Working Space, Add</i>	1,192.61	
<b>27 14 13 16-0060 #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <small>(27 14 13 16-0002)</small></b>		
27 14 13 16-0061 MLF 1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	749.69	373.65
<i>For Work In Restricted Working Space, Add</i>	186.76	
27 14 13 16-0062 MLF 2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	818.67	387.07
<i>For Work In Restricted Working Space, Add</i>	193.40	

<b>27</b>	<b>Communications</b>
<b>27 10</b>	<b>Structured Cabling</b>
<b>27 14</b>	<b>Communications Cabling</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0063 MLF 3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	906.19	400.49
<i>For Work In Restricted Working Space, Add</i> .....	200.25	
27 14 13 16-0064 MLF 4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,002.59	413.91
<i>For Work In Restricted Working Space, Add</i> .....	207.09	
27 14 13 16-0065 MLF 5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,137.22	442.08
<i>For Work In Restricted Working Space, Add</i> .....	220.97	
27 14 13 16-0066 MLF 6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,275.09	468.25
<i>For Work In Restricted Working Space, Add</i> .....	234.26	
<b>27 14 13 16-0067 Triad</b> <small>(27 14 13 16-0002)</small>		
27 14 13 16-0068 MLF 1 Triad #16 AWG, Stranded, Low Voltage, Installed In Conduit.....	1,391.26	556.12
27 14 13 16-0069 MLF 4 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit.....	1,840.95	769.45
27 14 13 16-0070 MLF 8 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit.....	2,835.20	1,136.40
27 14 13 16-0071 MLF 12 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit.....	3,493.00	1,354.42
27 14 13 16-0072 MLF 24 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit.....	5,644.72	2,098.38
27 14 13 16-0073 MLF 36 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit.....	6,476.05	2,385.49
<b>27 14 13 16-0074 Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 14 13 16-0001)</small>		
<b>27 14 13 16-0075 #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 14 13 16-0074)</small>		
27 14 13 16-0076 MLF 1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,746.35	1,328.26
<i>For #10 AWG, Add</i> .....	618.48	
<i>For Work In Restricted Working Space, Add</i> .....	664.19	
27 14 13 16-0077 MLF 2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,275.14	1,375.22
<i>For #10 AWG, Add</i> .....	782.75	
<i>For Work In Restricted Working Space, Add</i> .....	687.81	
27 14 13 16-0078 MLF 3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,740.59	1,423.52
<i>For #10 AWG, Add</i> .....	926.05	
<i>For Work In Restricted Working Space, Add</i> .....	711.56	
27 14 13 16-0079 MLF 4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,233.11	1,471.82
<i>For #10 AWG, Add</i> .....	1,077.94	
<i>For Work In Restricted Working Space, Add</i> .....	736.13	
27 14 13 16-0080 MLF 5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,784.90	1,571.10
<i>For #10 AWG, Add</i> .....	1,238.51	
<i>For Work In Restricted Working Space, Add</i> .....	785.78	
27 14 13 16-0081 MLF 6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,290.66	1,669.04
<i>For #10 AWG, Add</i> .....	1,384.20	
<i>For Work In Restricted Working Space, Add</i> .....	834.74	
27 14 13 16-0082 MLF 8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,753.34	1,867.61
<i>For #10 AWG, Add</i> .....	1,494.03	
<i>For Work In Restricted Working Space, Add</i> .....	933.63	
27 14 13 16-0083 MLF 12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	7,624.17	2,461.98
<i>For #10 AWG, Add</i> .....	1,982.65	
<i>For Work In Restricted Working Space, Add</i> .....	1,230.75	
27 14 13 16-0084 MLF 24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	11,340.84	3,635.94
<i>For #10 AWG, Add</i> .....	2,954.89	
<i>For Work In Restricted Working Space, Add</i> .....	1,817.50	
<b>27 14 13 16-0085 #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 14 13 16-0074)</small>		
27 14 13 16-0086 MLF 1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,444.72	1,161.89
<i>For Work In Restricted Working Space, Add</i> .....	580.81	
27 14 13 16-0087 MLF 2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,944.48	1,203.48
<i>For Work In Restricted Working Space, Add</i> .....	601.74	
27 14 13 16-0088 MLF 3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,383.36	1,245.07
<i>For Work In Restricted Working Space, Add</i> .....	622.67	
27 14 13 16-0089 MLF 4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,846.79	1,288.01
<i>For Work In Restricted Working Space, Add</i> .....	644.00	
27 14 13 16-0090 MLF 5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,360.77	1,375.22
<i>For Work In Restricted Working Space, Add</i> .....	687.47	



<b>Communications</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>
<b>Communications Cabling</b>	<b>27 14</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0091	MLF	6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	4,830.27	1,461.08
		<i>For Work In Restricted Working Space, Add</i>		730.14	
27 14 13 16-0092	MLF	8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	5,247.22	1,634.16
		<i>For Work In Restricted Working Space, Add</i>		817.08	
27 14 13 16-0093	MLF	12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	6,953.81	2,153.39
		<i>For Work In Restricted Working Space, Add</i>		1,076.69	
27 14 13 16-0094	MLF	24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	10,349.56	3,181.11
		<i>For Work In Restricted Working Space, Add</i>		1,590.69	
<b>27 14 13 16-0095</b>		<b>#16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 14 13 16-0074)</small>			
27 14 13 16-0096	MLF	1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	2,177.36	1,037.11
		<i>For Work In Restricted Working Space, Add</i>		518.83	
27 14 13 16-0097	MLF	2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	2,509.93	1,074.68
		<i>For Work In Restricted Working Space, Add</i>		537.34	
27 14 13 16-0098	MLF	3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	3,004.50	1,112.25
		<i>For Work In Restricted Working Space, Add</i>		555.86	
27 14 13 16-0099	MLF	4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	3,414.36	1,149.82
		<i>For Work In Restricted Working Space, Add</i>		575.18	
27 14 13 16-0100	MLF	5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	3,868.19	1,227.63
		<i>For Work In Restricted Working Space, Add</i>		613.82	
27 14 13 16-0101	MLF	6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	4,283.85	1,304.10
		<i>For Work In Restricted Working Space, Add</i>		652.05	
27 14 13 16-0102	MLF	7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	4,468.63	1,381.92
		<i>For Work In Restricted Working Space, Add</i>		690.69	
27 14 13 16-0103	MLF	8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	4,654.77	1,459.75
		<i>For Work In Restricted Working Space, Add</i>		729.74	
27 14 13 16-0104	MLF	9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	5,179.44	1,552.32
		<i>For Work In Restricted Working Space, Add</i>		776.03	
27 14 13 16-0105	MLF	12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	6,167.67	1,922.62
		<i>For Work In Restricted Working Space, Add</i>		961.38	
27 14 13 16-0106	MLF	24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	9,178.72	2,840.32
		<i>For Work In Restricted Working Space, Add</i>		1,420.23	
<b>27 14 13 16-0107</b>		<b>#18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 14 13 16-0074)</small>			
27 14 13 16-0108	MLF	1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	1,837.75	913.68
		<i>For Work In Restricted Working Space, Add</i>		456.44	
27 14 13 16-0109	MLF	2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	2,160.13	945.89
		<i>For Work In Restricted Working Space, Add</i>		472.94	
27 14 13 16-0110	MLF	3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	2,444.64	978.08
		<i>For Work In Restricted Working Space, Add</i>		489.44	
27 14 13 16-0111	MLF	4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	2,743.58	1,011.63
		<i>For Work In Restricted Working Space, Add</i>		505.94	
27 14 13 16-0112	MLF	5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	3,087.12	1,080.04
		<i>For Work In Restricted Working Space, Add</i>		540.16	
27 14 13 16-0113	MLF	6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	3,403.33	1,147.13
		<i>For Work In Restricted Working Space, Add</i>		573.97	
27 14 13 16-0114	MLF	8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	3,709.12	1,283.99
		<i>For Work In Restricted Working Space, Add</i>		641.99	
27 14 13 16-0115	MLF	12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	4,912.42	1,691.85
		<i>For Work In Restricted Working Space, Add</i>		846.06	
27 14 13 16-0116	MLF	24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	7,304.20	2,499.54
		<i>For Work In Restricted Working Space, Add</i>		1,249.77	
<b>27 14 13 16-0117</b>		<b>#20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 14 13 16-0074)</small>			

<b>27</b>	<b>Communications</b>
<b>27 10</b>	<b>Structured Cabling</b>
<b>27 14</b>	<b>Communications Cabling</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0118 MLF 1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	1,626.32 414.98	830.50
For Work In Restricted Working Space, Add		
27 14 13 16-0119 MLF 2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	1,882.77 429.87	860.02
For Work In Restricted Working Space, Add		
27 14 13 16-0120 MLF 3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,107.45 444.77	890.20
For Work In Restricted Working Space, Add		
27 14 13 16-0121 MLF 4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,343.65 460.06	920.39
For Work In Restricted Working Space, Add		
27 14 13 16-0122 MLF 5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,624.89 490.85	982.11
For Work In Restricted Working Space, Add		
27 14 13 16-0123 MLF 6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,883.92 521.64	1,043.82
For Work In Restricted Working Space, Add		
27 14 13 16-0124 MLF 8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,168.84 583.63	1,167.26
For Work In Restricted Working Space, Add		
27 14 13 16-0125 MLF 12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,171.76 769.18	1,538.90
For Work In Restricted Working Space, Add		
27 14 13 16-0126 MLF 24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	6,199.26 1,136.26	2,272.80
For Work In Restricted Working Space, Add		
27 14 13 16-0127 MLF 25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	6,561.32 1,163.23	2,326.46
For Work In Restricted Working Space, Add		
27 14 13 16-0128 MLF 36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	7,803.48 1,354.43	2,708.84
For Work In Restricted Working Space, Add		
27 14 13 16-0129 MLF 40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	8,370.92 1,449.81	2,899.35
For Work In Restricted Working Space, Add		
27 14 13 16-0130 MLF 50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	10,045.80 1,811.66	3,623.87
For Work In Restricted Working Space, Add		
27 14 13 16-0131 MLF 100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	13,620.94 2,385.22	4,771.00
For Work In Restricted Working Space, Add		
<b>27 14 13 16-0132 #22 AWG, Shielded, Low Voltage Cable, Installed Exposed (27 14 13 16-0074)</b>		
27 14 13 16-0133 MLF 1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	1,372.22 373.52	747.31
For Work In Restricted Working Space, Add		
27 14 13 16-0134 MLF 2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	1,463.35 386.81	774.15
For Work In Restricted Working Space, Add		
27 14 13 16-0135 MLF 3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	1,573.66 400.49	800.98
For Work In Restricted Working Space, Add		
27 14 13 16-0136 MLF 4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	1,692.89 414.18	827.81
For Work In Restricted Working Space, Add		
27 14 13 16-0137 MLF 5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	1,873.80 441.95	884.17
For Work In Restricted Working Space, Add		
27 14 13 16-0138 MLF 6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,055.94 468.51	936.49
For Work In Restricted Working Space, Add		
<b>27 14 13 16-0139 Triad, Installed Exposed (27 14 13 16-0074)</b>		
27 14 13 16-0140 MLF 1 Triad #16 AWG, Stranded, Low Voltage, Placed In Conduit.....	1,391.26	556.12
27 14 13 16-0141 MLF 4 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit.....	1,840.95	769.45
27 14 13 16-0142 MLF 8 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit.....	2,835.20	1,136.40
27 14 13 16-0143 MLF 12 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit.....	3,493.00	1,354.42
27 14 13 16-0144 MLF 24 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit.....	5,644.72	2,098.38
27 14 13 16-0145 MLF 36 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit.....	6,476.05	2,385.49
<b>27 14 13 16-0146 Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 14 13 16-0001)</b>		
<b>27 14 13 16-0147 #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 14 13 16-0146)</b>		
27 14 13 16-0148 MLF 1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,220.34 290.41	580.95
For Work In Restricted Working Space, Add		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0149	MLF	2	Pair	#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,468.52	601.74
				<i>For Work In Restricted Working Space, Add</i>	<i>300.87</i>	
27 14 13 16-0150	MLF	3	Pair	#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,686.49	622.54
				<i>For Work In Restricted Working Space, Add</i>	<i>311.33</i>	
27 14 13 16-0151	MLF	4	Pair	#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,916.65	644.00
				<i>For Work In Restricted Working Space, Add</i>	<i>322.00</i>	
27 14 13 16-0152	MLF	5	Pair	#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,170.84	686.93
				<i>For Work In Restricted Working Space, Add</i>	<i>343.34</i>	
27 14 13 16-0153	MLF	6	Pair	#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,404.97	729.87
				<i>For Work In Restricted Working Space, Add</i>	<i>364.87</i>	
27 14 13 16-0154	MLF	8	Pair	#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,613.60	817.08
				<i>For Work In Restricted Working Space, Add</i>	<i>408.54</i>	
27 14 13 16-0155	MLF	12	Pair	#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,463.56	1,076.69
				<i>For Work In Restricted Working Space, Add</i>	<i>538.35</i>	
27 14 13 16-0156	MLF	24	Pair	#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,154.75	1,590.56
				<i>For Work In Restricted Working Space, Add</i>	<i>795.34</i>	
<b>27 14 13 16-0157</b>				<b>#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> <small>(27 14 13 16-0146)</small>		
27 14 13 16-0158	MLF	1	Pair	#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,086.90	518.55
				<i>For Work In Restricted Working Space, Add</i>	<i>259.41</i>	
27 14 13 16-0159	MLF	2	Pair	#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,305.60	537.34
				<i>For Work In Restricted Working Space, Add</i>	<i>268.67</i>	
27 14 13 16-0160	MLF	3	Pair	#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,497.68	556.12
				<i>For Work In Restricted Working Space, Add</i>	<i>277.93</i>	
27 14 13 16-0161	MLF	4	Pair	#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,701.24	574.91
				<i>For Work In Restricted Working Space, Add</i>	<i>287.59</i>	
27 14 13 16-0162	MLF	5	Pair	#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,926.20	613.15
				<i>For Work In Restricted Working Space, Add</i>	<i>306.71</i>	
27 14 13 16-0163	MLF	6	Pair	#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,133.55	652.05
				<i>For Work In Restricted Working Space, Add</i>	<i>326.03</i>	
27 14 13 16-0164	MLF	7	Pair	#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,225.72	690.97
				<i>For Work In Restricted Working Space, Add</i>	<i>345.35</i>	
27 14 13 16-0165	MLF	8	Pair	#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,389.83	729.87
				<i>For Work In Restricted Working Space, Add</i>	<i>364.87</i>	
27 14 13 16-0166	MLF	9	Pair	#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,662.49	776.16
				<i>For Work In Restricted Working Space, Add</i>	<i>387.99</i>	
27 14 13 16-0167	MLF	12	Pair	#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,072.08	961.31
				<i>For Work In Restricted Working Space, Add</i>	<i>480.69</i>	
27 14 13 16-0168	MLF	24	Pair	#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,572.06	1,420.16
				<i>For Work In Restricted Working Space, Add</i>	<i>710.21</i>	
<b>27 14 13 16-0169</b>				<b>#18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> <small>(27 14 13 16-0146)</small>		
27 14 13 16-0170	MLF	1	Pair	#18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	946.17	456.17
				<i>For Work In Restricted Working Space, Add</i>	<i>228.22</i>	
27 14 13 16-0171	MLF	2	Pair	#18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,120.76	472.94
				<i>For Work In Restricted Working Space, Add</i>	<i>236.47</i>	
27 14 13 16-0172	MLF	3	Pair	#18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,224.99	489.71
				<i>For Work In Restricted Working Space, Add</i>	<i>244.72</i>	
27 14 13 16-0173	MLF	4	Pair	#18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,367.61	505.81
				<i>For Work In Restricted Working Space, Add</i>	<i>252.98</i>	
27 14 13 16-0174	MLF	5	Pair	#18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,526.93	540.03
				<i>For Work In Restricted Working Space, Add</i>	<i>270.08</i>	
27 14 13 16-0175	MLF	6	Pair	#18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,685.60	574.24
				<i>For Work In Restricted Working Space, Add</i>	<i>286.99</i>	



<b>27</b>	<b>Communications</b>
<b>27 10</b>	<b>Structured Cabling</b>
<b>27 14</b>	<b>Communications Cabling</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0176 MLF 8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,067.55	641.99
<i>For Work In Restricted Working Space, Add</i>	321.00	
27 14 13 16-0177 MLF 12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,675.48	845.93
<i>For Work In Restricted Working Space, Add</i>	423.03	
27 14 13 16-0178 MLF 24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,465.01	1,249.77
<i>For Work In Restricted Working Space, Add</i>	624.89	
<b>27 14 13 16-0179 #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 14 13 16-0146)</b>		
27 14 13 16-0180 MLF 1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	822.54	415.25
<i>For Work In Restricted Working Space, Add</i>	207.49	
27 14 13 16-0181 MLF 2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	939.60	430.01
<i>For Work In Restricted Working Space, Add</i>	214.94	
27 14 13 16-0182 MLF 3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,125.71	489.71
<i>For Work In Restricted Working Space, Add</i>	244.72	
27 14 13 16-0183 MLF 4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,259.85	514.80
<i>For Work In Restricted Working Space, Add</i>	257.40	
27 14 13 16-0184 MLF 5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,390.70	540.03
<i>For Work In Restricted Working Space, Add</i>	270.08	
27 14 13 16-0185 MLF 6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,524.63	574.24
<i>For Work In Restricted Working Space, Add</i>	286.99	
27 14 13 16-0186 MLF 8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,672.14	639.03
<i>For Work In Restricted Working Space, Add</i>	319.59	
27 14 13 16-0187 MLF 12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,079.50	769.45
<i>For Work In Restricted Working Space, Add</i>	384.59	
27 14 13 16-0188 MLF 24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,090.07	1,136.40
<i>For Work In Restricted Working Space, Add</i>	568.13	
27 14 13 16-0189 MLF 25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,270.03	1,163.24
<i>For Work In Restricted Working Space, Add</i>	581.62	
27 14 13 16-0190 MLF 36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,888.69	1,354.42
<i>For Work In Restricted Working Space, Add</i>	677.21	
27 14 13 16-0191 MLF 40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,171.42	1,449.68
<i>For Work In Restricted Working Space, Add</i>	724.91	
27 14 13 16-0192 MLF 50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,007.00	1,811.93
<i>For Work In Restricted Working Space, Add</i>	905.83	
27 14 13 16-0193 MLF 100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,787.98	2,385.49
<i>For Work In Restricted Working Space, Add</i>	1,192.61	
<b>27 14 13 16-0194 #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 14 13 16-0146)</b>		
27 14 13 16-0195 MLF 1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	709.33	373.65
<i>For Work In Restricted Working Space, Add</i>	186.76	
27 14 13 16-0196 MLF 2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	763.43	387.07
<i>For Work In Restricted Working Space, Add</i>	193.40	
27 14 13 16-0197 MLF 3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	836.34	400.49
<i>For Work In Restricted Working Space, Add</i>	200.25	
27 14 13 16-0198 MLF 4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	916.67	413.91
<i>For Work In Restricted Working Space, Add</i>	207.09	
27 14 13 16-0199 MLF 5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,016.77	442.08
<i>For Work In Restricted Working Space, Add</i>	220.97	
27 14 13 16-0200 MLF 6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,126.49	468.25
<i>For Work In Restricted Working Space, Add</i>	234.26	
27 14 13 16-0201 Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 14 13 16-0001)		
27 14 13 16-0202 #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 14 13 16-0201)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0203 MLF 1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,188.36 580.81	1,161.89
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0204 MLF 2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,471.42 601.74	1,203.48
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0205 MLF 3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,724.28 622.67	1,245.07
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0206 MLF 4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,989.99 644.00	1,288.01
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0207 MLF 5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,315.28 686.67	1,373.88
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0208 MLF 6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,621.20 729.74	1,459.75
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0209 MLF 8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,975.39 817.08	1,634.16
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0210 MLF 12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,258.04 1,076.69	2,153.39
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0211 MLF 24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,805.91 1,590.69	3,181.11
<i>For Work In Restricted Working Space, Add</i>		
<b>27 14 13 16-0212 #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 14 13 16-0201)</small>		
27 14 13 16-0213 MLF 1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,951.61 518.83	1,037.11
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0214 MLF 2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,201.17 537.34	1,074.68
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0215 MLF 3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,424.11 555.86	1,112.25
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0216 MLF 4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,659.87 575.18	1,149.82
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0217 MLF 5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,948.55 613.41	1,226.29
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0218 MLF 6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,220.31 652.05	1,304.10
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0219 MLF 7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,376.88 690.69	1,381.92
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0220 MLF 8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,606.06 729.74	1,459.75
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0221 MLF 9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,955.81 775.99	1,552.32
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0222 MLF 12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,674.38 961.38	1,922.62
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0223 MLF 24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,939.43 1,420.43	2,840.32
<i>For Work In Restricted Working Space, Add</i>		
<b>27 14 13 16-0224 #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 14 13 16-0201)</small>		
27 14 13 16-0225 MLF 1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,706.90 456.44	912.34
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0226 MLF 2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,908.99 472.94	945.89
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0227 MLF 3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,040.73 489.44	979.42
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0228 MLF 4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,210.84 505.94	1,011.63
<i>For Work In Restricted Working Space, Add</i>		
27 14 13 16-0229 MLF 5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,427.20 540.16	1,080.04
<i>For Work In Restricted Working Space, Add</i>		

<b>27</b>	<b>Communications</b>
<b>27 10</b>	<b>Structured Cabling</b>
<b>27 14</b>	<b>Communications Cabling</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0230 MLF 6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,642.21 573.97	1,148.47
27 14 13 16-0231 MLF 8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	3,137.53 641.99	1,283.99
27 14 13 16-0232 MLF 12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	4,085.59 846.06	1,691.85
27 14 13 16-0233 MLF 24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	5,547.95 1,249.77	2,499.54
<b>27 14 13 16-0234 #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 14 13 16-0201)</b>		
27 14 13 16-0235 MLF 1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	1,514.16 414.98	830.50
27 14 13 16-0236 MLF 2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	1,656.06 429.87	860.02
27 14 13 16-0237 MLF 3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	1,941.45 489.44	979.42
27 14 13 16-0238 MLF 4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,117.85 514.80	1,029.60
27 14 13 16-0239 MLF 5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,290.97 540.16	1,080.04
27 14 13 16-0240 MLF 6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,481.24 573.97	1,148.47
27 14 13 16-0241 MLF 8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,737.43 639.17	1,278.08
27 14 13 16-0242 MLF 12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	3,361.47 769.18	1,538.90
27 14 13 16-0243 MLF 24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	4,983.83 1,136.26	2,272.80
27 14 13 16-0244 MLF 25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	5,208.73 1,163.23	2,326.46
27 14 13 16-0245 MLF 36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	6,146.07 1,354.43	2,708.84
27 14 13 16-0246 MLF 40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	6,587.77 1,449.81	2,899.35
27 14 13 16-0247 MLF 50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	8,026.43 1,811.66	3,623.87
27 14 13 16-0248 MLF 100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	10,763.34 2,385.22	4,771.00
<b>27 14 13 16-0249 #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 14 13 16-0201)</b>		
27 14 13 16-0250 MLF 1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	1,331.86 373.52	747.31
27 14 13 16-0251 MLF 2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	1,408.11 386.81	774.15
27 14 13 16-0252 MLF 3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	1,503.81 400.49	800.98
27 14 13 16-0253 MLF 4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	1,606.97 414.18	827.81
27 14 13 16-0254 MLF 5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	1,753.35 441.95	884.17
27 14 13 16-0255 MLF 6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	1,907.34 468.51	936.49



<b>Communications</b>	<b>27</b>	
<b>Structured Cabling</b>	<b>27 10</b>	<b>27</b>
<b>Communications Cabling</b>	<b>27 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>27 14 13 16-0256</b> <b>Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench</b> <i>(27 14 13 16-0001)</i> Note: Excludes excavation.		
27 14 13 16-0257    MLF 1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench .....	1,402.87	
27 14 13 16-0258    MLF 2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench .....	1,864.26	
27 14 13 16-0259    MLF 3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench .....	2,265.57	
27 14 13 16-0260    MLF 4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench .....	2,691.36	
27 14 13 16-0261    MLF 5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench .....	3,126.87	
27 14 13 16-0262    MLF 6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench .....	3,520.21	
 <b>27 14 13 16-0263</b> <b>Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)</b> <i>(27 14 13 16-0001)</i>		
27 14 13 16-0264    MLF 1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial) .....	1,461.81	363.22
27 14 13 16-0265    MLF 2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial) .....	1,959.89	389.13
27 14 13 16-0266    MLF 3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial) .....	2,598.71	491.94
27 14 13 16-0267    MLF 4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial) .....	3,193.26	568.99
27 14 13 16-0268    MLF 5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial) .....	5,368.80	648.53
27 14 13 16-0269    MLF 6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial) .....	6,421.21	828.54
 <b>27 14 13 16-0270</b> <b>Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> <i>(27 14 13 16-0001)</i>		
27 14 13 16-0271    MLF 1 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	1,022.15	518.55
27 14 13 16-0272    MLF 2 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	1,266.72	537.34
27 14 13 16-0273    MLF 3 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	1,437.14	556.12
27 14 13 16-0274    MLF 4 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	1,525.00	574.91
27 14 13 16-0275    MLF 5 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	1,858.13	613.15
27 14 13 16-0276    MLF 6 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	2,014.63	652.05
27 14 13 16-0277    MLF 8 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	2,552.38	729.87
27 14 13 16-0278    MLF 12 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	3,151.16	961.31
27 14 13 16-0279    MLF 24 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	4,798.44	1,420.16
27 14 13 16-0280    MLF 1 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	880.03	456.17
27 14 13 16-0281    MLF 2 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	1,080.50	472.94
27 14 13 16-0282    MLF 3 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	1,245.32	489.71
27 14 13 16-0283    MLF 4 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	1,324.04	505.81
27 14 13 16-0284    MLF 5 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	1,608.17	540.03
27 14 13 16-0285    MLF 6 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	1,817.64	574.24
27 14 13 16-0286    MLF 8 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	2,055.34	641.99
27 14 13 16-0287    MLF 12 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	2,649.81	845.93
27 14 13 16-0288    MLF 24 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	4,269.88	1,249.77
27 14 13 16-0289    MLF 1 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	773.29	415.25
27 14 13 16-0290    MLF 2 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	899.06	430.01
27 14 13 16-0291    MLF 3 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	1,020.78	444.76
27 14 13 16-0292    MLF 4 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	1,095.61	460.20
27 14 13 16-0293    MLF 5 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	1,196.60	491.06
27 14 13 16-0294    MLF 6 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	1,311.72	521.91
27 14 13 16-0295    MLF 8 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	1,469.31	583.62
27 14 13 16-0296    MLF 12 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	2,039.12	769.45
27 14 13 16-0297    MLF 24 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	3,110.03	1,136.40
27 14 13 16-0298    MLF 25 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	3,292.14	1,163.24
27 14 13 16-0299    MLF 36 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	3,896.46	1,354.42

<b>27</b>	<b>Communications</b>
<b>27 10</b>	<b>Structured Cabling</b>
<b>27 14</b>	<b>Communications Cabling</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0300 MLF 40 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,200.71	1,449.68
27 14 13 16-0301 MLF 50 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,040.17	1,811.93
27 14 13 16-0302 MLF 100 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,834.91	2,385.49
27 14 13 16-0303 MLF 250 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	13,301.66	4,393.98
27 14 13 16-0304 MLF 500 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	20,351.75	5,814.82
27 14 13 16-0305 MLF 750 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	27,410.18	7,327.56
27 14 13 16-0306 MLF 1200 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	38,695.21	10,051.15
27 14 13 16-0307 MLF 1 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	743.87	415.25
27 14 13 16-0308 MLF 2 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	833.26	430.01
27 14 13 16-0309 MLF 3 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	920.07	444.76
27 14 13 16-0310 MLF 4 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	977.12	460.20
27 14 13 16-0311 MLF 5 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,060.34	491.06
27 14 13 16-0312 MLF 6 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,152.34	521.91
27 14 13 16-0313 MLF 8 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,290.37	583.62
27 14 13 16-0314 MLF 12 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,766.31	769.45
27 14 13 16-0315 MLF 24 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,671.78	1,136.40
27 14 13 16-0316 MLF 25 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,804.47	1,163.24
27 14 13 16-0317 MLF 36 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,318.30	1,354.42
27 14 13 16-0318 MLF 40 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,557.76	1,449.68
27 14 13 16-0319 MLF 50 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,312.04	1,811.93
27 14 13 16-0320 MLF 100 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,804.55	2,385.49
27 14 13 16-0321 MLF 250 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	11,121.15	4,393.98
27 14 13 16-0322 MLF 500 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	16,502.02	5,814.82
27 14 13 16-0323 MLF 750 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	21,922.81	7,327.56
27 14 13 16-0324 MLF 1200 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	30,773.19	10,051.15
<b>27 14 13 16-0325 Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> <small>(27 14 13 16-0001)</small>		
27 14 13 16-0326 MLF 1 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,049.65	518.55
27 14 13 16-0327 MLF 2 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,227.18	537.34
27 14 13 16-0328 MLF 3 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,334.56	556.12
27 14 13 16-0329 MLF 4 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,480.87	574.91
27 14 13 16-0330 MLF 5 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,647.99	613.15
27 14 13 16-0331 MLF 6 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,813.74	652.05
27 14 13 16-0332 MLF 8 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,211.06	729.87
27 14 13 16-0333 MLF 12 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,865.29	961.31
27 14 13 16-0334 MLF 24 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,280.51	1,420.16
27 14 13 16-0335 MLF 1 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	917.93	456.17
27 14 13 16-0336 MLF 2 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,070.11	472.94
27 14 13 16-0337 MLF 3 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,162.65	489.71
27 14 13 16-0338 MLF 4 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,287.74	505.81
27 14 13 16-0339 MLF 5 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,431.48	540.03
27 14 13 16-0340 MLF 6 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,574.57	574.24



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0341 MLF 8 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,915.59	641.99
27 14 13 16-0342 MLF 12 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,483.37	845.93
27 14 13 16-0343 MLF 24 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,709.11	1,249.77
27 14 13 16-0344 MLF 1 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	802.60	415.25
27 14 13 16-0345 MLF 2 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	933.27	430.01
27 14 13 16-0346 MLF 3 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,023.14	444.76
27 14 13 16-0347 MLF 4 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,190.71	460.20
27 14 13 16-0348 MLF 5 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,331.15	491.06
27 14 13 16-0349 MLF 6 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,612.20	521.91
27 14 13 16-0350 MLF 8 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,801.73	583.62
27 14 13 16-0351 MLF 12 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,264.04	769.45
27 14 13 16-0352 MLF 24 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,424.27	1,136.40
27 14 13 16-0353 MLF 25 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,640.93	1,163.24
27 14 13 16-0354 MLF 36 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,343.34	1,354.42
27 14 13 16-0355 MLF 40 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,660.56	1,449.68
27 14 13 16-0356 MLF 50 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,560.92	1,811.93
27 14 13 16-0357 MLF 100 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,571.84	2,385.49
27 14 13 16-0358 MLF 250 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	14,861.70	4,393.98
27 14 13 16-0359 MLF 500 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	23,105.80	5,814.82
27 14 13 16-0360 MLF 750 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	31,335.33	7,327.56
27 14 13 16-0361 MLF 1200 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	44,361.90	10,050.49
27 14 13 16-0362 MLF 1 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	762.62	415.25
27 14 13 16-0363 MLF 2 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	855.15	430.01
27 14 13 16-0364 MLF 3 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	921.58	444.76
27 14 13 16-0365 MLF 4 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,037.95	460.20
27 14 13 16-0366 MLF 5 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,146.40	491.06
27 14 13 16-0367 MLF 6 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,344.56	521.91
27 14 13 16-0368 MLF 8 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,503.02	583.62
27 14 13 16-0369 MLF 12 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,910.18	769.45
27 14 13 16-0370 MLF 24 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,872.80	1,136.40
27 14 13 16-0371 MLF 25 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,027.58	1,163.24
27 14 13 16-0372 MLF 36 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,591.71	1,354.42
27 14 13 16-0373 MLF 40 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,851.92	1,449.68
27 14 13 16-0374 MLF 50 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,645.16	1,811.93
27 14 13 16-0375 MLF 100 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,275.95	2,385.49
27 14 13 16-0376 MLF 250 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	12,119.00	4,393.98
27 14 13 16-0377 MLF 500 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	18,263.76	5,814.82
27 14 13 16-0378 MLF 750 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	24,434.00	7,327.56
27 14 13 16-0379 MLF 1200 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	34,398.77	10,051.15

27 14 13 16-0380 Copper Telecommunications Cable (27 14 13 16)

27 14 13 16-0381 Indoor Telecommunications Cable (27 14 13 16-0380)

Note: Shielded twisted pair cables (STP) include a metallic foil wrap. Un-shielded twisted pair cables (UTP) exclude any shielding.



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

27 14 13 16-0382	Category 3, Indoor Telecommunications Cable <small>(27 14 13 16-0381)</small> Note: Un-shielded twisted pair cables (UTP).		
27 14 13 16-0383	Category 3, Indoor Telecommunications Riser Cable <small>(27 14 13 16-0382)</small>		
27 14 13 16-0384	24 AWG, Category 3, Indoor Telecommunications Riser Cable <small>(27 14 13 16-0383)</small>		
27 14 13 16-0385	24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 14 13 16-0384)</small>		
27 14 13 16-0386	MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	573.98	308.19
27 14 13 16-0387	MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	599.73	308.19
27 14 13 16-0388	MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	608.83	308.19
27 14 13 16-0389	MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	733.43	352.21
27 14 13 16-0390	MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	922.97	352.21
27 14 13 16-0391	MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,223.93	352.21
27 14 13 16-0392	MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,939.70	440.26
27 14 13 16-0393	MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	3,499.13	704.43
27 14 13 16-0394	MLF 150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	4,722.34	792.48
27 14 13 16-0395	MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	6,257.69	880.54
27 14 13 16-0396	MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	9,147.39	1,232.75
27 14 13 16-0397	MLF 400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	11,980.57	1,523.32
27 14 13 16-0398	MLF 600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	18,955.43	2,113.28
27 14 13 16-0399	MLF 900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	30,865.19	4,226.55
27 14 13 16-0400	MLF 1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	42,020.05	6,339.83
27 14 13 16-0401	24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 14 13 16-0384)</small>		
27 14 13 16-0402	MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,087.62 308.19	616.37
27 14 13 16-0403	MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,113.37 308.19	616.37
27 14 13 16-0404	MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,122.47 308.19	616.37
27 14 13 16-0405	MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,173.70 308.19	616.37
27 14 13 16-0406	MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,363.24 308.19	616.37
27 14 13 16-0407	MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,810.96 352.22	704.43
27 14 13 16-0408	MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,673.48 440.27	880.54
27 14 13 16-0409	MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	4,086.14 528.32	1,056.64
27 14 13 16-0410	MLF 150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	5,382.74 594.36	1,188.71
27 14 13 16-0411	MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	6,991.47 660.40	1,320.80
27 14 13 16-0412	MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	10,174.68 924.56	1,849.11
27 14 13 16-0413	MLF 400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	13,257.33 1,144.69	2,289.39
27 14 13 16-0414	MLF 600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	20,716.49 1,584.96	3,169.91
27 14 13 16-0415	MLF 900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	34,387.32 3,169.92	6,339.83
27 14 13 16-0416	MLF 1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	47,303.24 4,754.87	9,509.75
27 14 13 16-0417	22 AWG, Category 3, Indoor Telecommunications Riser Cable <small>(27 14 13 16-0383)</small>		
27 14 13 16-0418	22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 14 13 16-0417)</small>		
27 14 13 16-0419	MLF 25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,973.53	352.21
27 14 13 16-0420	MLF 50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	2,934.68	440.26
27 14 13 16-0421	MLF 100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	5,353.88	704.43
27 14 13 16-0422	MLF 200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	9,488.31	880.54
27 14 13 16-0423	MLF 300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	13,951.81	1,232.75
27 14 13 16-0424	MLF 400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	18,168.55	1,523.32
27 14 13 16-0425	MLF 600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	26,929.56	2,113.28
27 14 13 16-0426	22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 14 13 16-0417)</small>		
27 14 13 16-0427	MLF 25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,560.56 352.22	704.43
27 14 13 16-0428	MLF 50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,668.46 440.27	880.54
27 14 13 16-0429	MLF 100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	5,940.89 528.32	1,056.64



<b>Communications</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>
<b>Communications Cabling</b>	<b>27 14</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0430 MLF 200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	10,222.09 660.40	1,320.80
27 14 13 16-0431 MLF 300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	14,979.10 924.56	1,849.11
27 14 13 16-0432 MLF 400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	19,445.31 1,144.69	2,289.39
27 14 13 16-0433 MLF 600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	28,690.62 1,584.96	3,169.91
<b>27 14 13 16-0434 Category 3, Indoor Telecommunications Plenum Cable</b> <small>(27 14 13 16-0382)</small>		
<b>27 14 13 16-0435 24 AWG, Category 3, Indoor Telecommunications Plenum Cable</b> <small>(27 14 13 16-0434)</small>		
<b>27 14 13 16-0436 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit</b> <small>(27 14 13 16-0435)</small>		
27 14 13 16-0437 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	594.81	308.19
27 14 13 16-0438 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	620.45	308.19
27 14 13 16-0439 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	639.63	308.19
27 14 13 16-0440 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	768.02	352.21
27 14 13 16-0441 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	974.63	352.21
27 14 13 16-0442 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	1,534.68	352.21
27 14 13 16-0443 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	2,572.37	440.26
27 14 13 16-0444 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	4,824.74	704.43
27 14 13 16-0445 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	8,335.00	880.54
27 14 13 16-0446 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	12,485.94	1,232.75
<b>27 14 13 16-0447 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed</b> <small>(27 14 13 16-0435)</small>		
27 14 13 16-0448 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,108.45 308.19	616.37
27 14 13 16-0449 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,134.09 308.19	616.37
27 14 13 16-0450 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,153.27 308.19	616.37
27 14 13 16-0451 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,208.29 308.19	616.37
27 14 13 16-0452 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,414.90 308.19	616.37
27 14 13 16-0453 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,121.71 352.22	704.43
27 14 13 16-0454 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,306.15 440.27	880.54
27 14 13 16-0455 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	5,411.75 528.32	1,056.64
27 14 13 16-0456 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	9,068.78 660.40	1,320.80
27 14 13 16-0457 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	13,513.23 924.56	1,849.11
<b>27 14 13 16-0458 Category 5E, Indoor Telecommunications Cable</b> <small>(27 14 13 16-0381)</small>		
<b>27 14 13 16-0459 Category 5E, Indoor Telecommunications Riser Cable</b> <small>(27 14 13 16-0458)</small>		
<b>27 14 13 16-0460 Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit</b> <small>(27 14 13 16-0459)</small>		
27 14 13 16-0461 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	655.03	308.19
27 14 13 16-0462 MLF 4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	688.15	308.19
27 14 13 16-0463 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	762.16	352.21
27 14 13 16-0464 MLF 4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	795.26	352.21
<b>27 14 13 16-0465 Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed</b> <small>(27 14 13 16-0459)</small>		
27 14 13 16-0466 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed .....	1,168.67 308.19	616.37
27 14 13 16-0467 MLF 4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed .....	1,201.79 308.19	616.37
27 14 13 16-0468 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed .....	1,349.19 352.22	704.43
27 14 13 16-0469 MLF 4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,382.29 352.22	704.43
<b>27 14 13 16-0470 Category 5E, Indoor Telecommunications Plenum Cable</b> <small>(27 14 13 16-0458)</small>		
<b>27 14 13 16-0471 Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit</b> <small>(27 14 13 16-0470)</small>		
27 14 13 16-0472 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	776.82	308.19
27 14 13 16-0473 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,108.95	352.21



<b>27</b>	<b>Communications</b>
<b>27 10</b>	<b>Structured Cabling</b>
<b>27 14</b>	<b>Communications Cabling</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0474 Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 14 13 16-0470)</small>		
27 14 13 16-0475 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	1,290.46 308.19	616.37
27 14 13 16-0476 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,695.98 352.22	704.43
27 14 13 16-0477 Category 6, Indoor Telecommunications Cable <small>(27 14 13 16-0381)</small>		
27 14 13 16-0478 Category 6, Indoor Telecommunications Riser Cable <small>(27 14 13 16-0477)</small>		
27 14 13 16-0479 Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 14 13 16-0478)</small>		
27 14 13 16-0480 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit .....	1,012.61	308.19
27 14 13 16-0481 MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,068.40	308.19
27 14 13 16-0482 Category 6, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 14 13 16-0478)</small>		
27 14 13 16-0483 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,526.25 308.19	616.37
27 14 13 16-0484 MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,582.04 308.19	616.37
27 14 13 16-0485 Category 6, Indoor Telecommunications Plenum Cable <small>(27 14 13 16-0477)</small>		
27 14 13 16-0486 Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 14 13 16-0485)</small>		
27 14 13 16-0487 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	1,528.80	308.19
27 14 13 16-0488 Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 14 13 16-0485)</small>		
27 14 13 16-0489 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,042.44 308.19	616.37
27 14 13 16-0490 Category 6a, Indoor Telecommunications Cable <small>(27 14 13 16-0381)</small>		
27 14 13 16-0491 Category 6a, Indoor Telecommunications Riser Cable <small>(27 14 13 16-0490)</small>		
27 14 13 16-0492 Category 6a Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 14 13 16-0491)</small>		
27 14 13 16-0493 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Riser Cable, Installed In Conduit .....	1,101.76	308.19
27 14 13 16-0494 Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 14 13 16-0491)</small>		
27 14 13 16-0495 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,615.40 308.19	616.37
27 14 13 16-0496 Category 6a, Indoor Telecommunications Plenum Cable <small>(27 14 13 16-0490)</small>		
27 14 13 16-0497 Category 6a, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 14 13 16-0496)</small>		
27 14 13 16-0498 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	1,792.64	308.19
27 14 13 16-0499 Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 14 13 16-0496)</small>		
27 14 13 16-0500 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,306.28 308.19	616.37
27 14 13 16-0501 Category 7, Indoor Telecommunications Cable <small>(27 14 13 16-0381)</small>		
27 14 13 16-0502 Category 7, Indoor Telecommunications Cable, Installed In Conduit <small>(27 14 13 16-0501)</small>		
27 14 13 16-0503 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed In Conduit .....	2,854.21	352.21
27 14 13 16-0504 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	6,121.35	352.21
27 14 13 16-0505 Category 7, Indoor Telecommunications Cable, Installed Exposed <small>(27 14 13 16-0501)</small>		
27 14 13 16-0506 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,441.24 352.22	704.43
27 14 13 16-0507 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	6,708.38 352.22	704.43
27 14 13 16-0508 Outdoor Telecommunications Cable <small>(27 14 13 16-0380)</small> Note: Cable buried in trench excludes excavation.		



<b>Communications</b>	<b>27</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>	
<b>Communications Cabling</b>	<b>27 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0509 PE-89 Outdoor Telecommunications Cable <small>(27 14 13 16-0508)</small> Note: Includes foam-skin polyolefin insulated conductors.		
27 14 13 16-0510 24 AWG, PE-89 Outdoor Telecommunications Cable <small>(27 14 13 16-0509)</small>		
27 14 13 16-0511 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit <small>(27 14 13 16-0510)</small>		
27 14 13 16-0512 MLF 6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	1,121.01	352.21
27 14 13 16-0513 MLF 12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	1,346.86	616.37
27 14 13 16-0514 MLF 25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	1,906.79	396.24
27 14 13 16-0515 MLF 50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	2,907.05	440.26
27 14 13 16-0516 MLF 75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	4,121.85	616.37
27 14 13 16-0517 MLF 100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	5,192.03	704.43
27 14 13 16-0518 MLF 200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	8,945.18	792.48
27 14 13 16-0519 MLF 300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	13,151.19	1,144.69
27 14 13 16-0520 MLF 400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	17,427.39	1,496.90
27 14 13 16-0521 MLF 600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	23,668.67	2,025.22
27 14 13 16-0522 MLF 900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	37,317.13	4,050.45
27 14 13 16-0523 MLF 1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	50,973.28	5,987.62
27 14 13 16-0524 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench <small>(27 14 13 16-0510)</small>		
27 14 13 16-0525 MLF 6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	1,010.95	
27 14 13 16-0526 MLF 12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	1,236.80	
27 14 13 16-0527 MLF 25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	1,760.04	
27 14 13 16-0528 MLF 50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	2,760.30	
27 14 13 16-0529 MLF 75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	3,901.71	
27 14 13 16-0530 MLF 100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	4,825.13	
27 14 13 16-0531 MLF 200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	8,798.43	
27 14 13 16-0532 MLF 300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	12,710.92	
27 14 13 16-0533 MLF 400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	16,510.17	
27 14 13 16-0534 MLF 600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	22,054.36	
27 14 13 16-0535 MLF 900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	32,914.48	
27 14 13 16-0536 MLF 1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	44,516.04	
27 14 13 16-0537 22 AWG, PE-89 Outdoor Telecommunications Cable <small>(27 14 13 16-0509)</small>		
27 14 13 16-0538 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit <small>(27 14 13 16-0537)</small>		
27 14 13 16-0539 MLF 6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	1,264.59	352.21
27 14 13 16-0540 MLF 12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	1,615.12	352.21
27 14 13 16-0541 MLF 25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	2,455.89	396.24
27 14 13 16-0542 MLF 50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	3,884.41	440.26
27 14 13 16-0543 MLF 75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	5,649.18	616.37
27 14 13 16-0544 MLF 100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	7,268.40	704.43
27 14 13 16-0545 MLF 200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	12,950.79	792.48
27 14 13 16-0546 MLF 300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	18,863.99	1,144.69
27 14 13 16-0547 MLF 400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	25,128.74	1,496.90
27 14 13 16-0548 MLF 600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	37,117.65	2,025.22
27 14 13 16-0549 MLF 900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	54,302.08	4,050.45
27 14 13 16-0550 MLF 1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	76,384.33	5,987.62
27 14 13 16-0551 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench <small>(27 14 13 16-0537)</small>		
27 14 13 16-0552 MLF 6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	1,154.53	
27 14 13 16-0553 MLF 12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	1,505.06	
27 14 13 16-0554 MLF 25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	2,309.14	
27 14 13 16-0555 MLF 50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	3,737.66	
27 14 13 16-0556 MLF 75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	5,429.04	
27 14 13 16-0557 MLF 100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	7,048.26	
27 14 13 16-0558 MLF 200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	12,804.04	
27 14 13 16-0559 MLF 300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	18,423.72	
27 14 13 16-0560 MLF 400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	24,211.52	
27 14 13 16-0561 MLF 600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	35,503.34	
27 14 13 16-0562 MLF 900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	49,899.43	
27 14 13 16-0563 MLF 1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	69,927.09	
27 14 13 16-0564 19 AWG, PE-89 Outdoor Telecommunications Cable <small>(27 14 13 16-0509)</small>		
27 14 13 16-0565 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit <small>(27 14 13 16-0564)</small>		
27 14 13 16-0566 MLF 25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	4,148.69	396.24
27 14 13 16-0567 MLF 50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	7,193.27	440.26
27 14 13 16-0568 MLF 75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	11,535.04	616.37
27 14 13 16-0569 MLF 100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	13,822.30	704.43
27 14 13 16-0570 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench <small>(27 14 13 16-0564)</small>		
27 14 13 16-0571 MLF 25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	4,001.94	

<b>27</b>	<b>Communications</b>
<b>27 10</b>	<b>Structured Cabling</b>
<b>27 14</b>	<b>Communications Cabling</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

27 14 13 16-0572	MLF 50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	7,046.52	
27 14 13 16-0573	MLF 75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	11,314.90	
27 14 13 16-0574	MLF 100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	13,602.16	
<b>27 14 13 16-0575</b>	<b>PE-39 Outdoor Telecommunications Cable (27 14 13 16-0508)</b>		
	Note: Includes solid polyolefin insulated conductors.		
<b>27 14 13 16-0576</b>	<b>24 AWG, PE-39 Outdoor Telecommunications Cable (27 14 13 16-0575)</b>		
<b>27 14 13 16-0577</b>	<b>24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit (27 14 13 16-0576)</b>		
27 14 13 16-0578	MLF 6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	1,581.46	616.37
27 14 13 16-0579	MLF 12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	1,857.78	616.37
27 14 13 16-0580	MLF 25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	2,415.23	616.37
27 14 13 16-0581	MLF 50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	3,419.10	616.37
27 14 13 16-0582	MLF 100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	5,455.09	616.37
27 14 13 16-0583	MLF 200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	9,882.43	792.48
27 14 13 16-0584	MLF 300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	14,429.63	1,144.69
27 14 13 16-0585	MLF 400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	18,985.17	1,496.90
27 14 13 16-0586	MLF 600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	25,943.14	2,025.22
27 14 13 16-0587	MLF 900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	40,258.58	4,050.45
27 14 13 16-0588	MLF 1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	58,602.20	5,987.62
<b>27 14 13 16-0589</b>	<b>24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench (27 14 13 16-0576)</b>		
27 14 13 16-0590	MLF 6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	1,361.32	
27 14 13 16-0591	MLF 12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	1,637.64	
27 14 13 16-0592	MLF 25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	2,195.09	
27 14 13 16-0593	MLF 50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	3,198.96	
27 14 13 16-0594	MLF 100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	5,234.95	
27 14 13 16-0595	MLF 200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	9,735.68	
27 14 13 16-0596	MLF 300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	13,989.36	
27 14 13 16-0597	MLF 400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	18,067.95	
27 14 13 16-0598	MLF 600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	24,328.83	
27 14 13 16-0599	MLF 900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	35,855.93	
27 14 13 16-0600	MLF 1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	52,144.96	
<b>27 14 13 16-0601</b>	<b>22 AWG, PE-39 Outdoor Telecommunications Cable (27 14 13 16-0575)</b>		
<b>27 14 13 16-0602</b>	<b>22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit (27 14 13 16-0601)</b>		
27 14 13 16-0603	MLF 6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	1,741.21	616.37
27 14 13 16-0604	MLF 12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	2,147.24	616.37
27 14 13 16-0605	MLF 25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	3,011.30	616.37
27 14 13 16-0606	MLF 50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	4,600.86	616.37
27 14 13 16-0607	MLF 100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	7,918.07	616.37
27 14 13 16-0608	MLF 200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	14,622.38	792.48
27 14 13 16-0609	MLF 300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	21,426.40	1,144.69
27 14 13 16-0610	MLF 400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	27,447.61	1,496.90
27 14 13 16-0611	MLF 600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	38,342.57	2,025.22
27 14 13 16-0612	MLF 900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	60,336.13	4,050.45
<b>27 14 13 16-0613</b>	<b>22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench (27 14 13 16-0601)</b>		
27 14 13 16-0614	MLF 6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	1,521.07	
27 14 13 16-0615	MLF 12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	1,927.10	
27 14 13 16-0616	MLF 25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	2,791.16	
27 14 13 16-0617	MLF 50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	4,380.72	
27 14 13 16-0618	MLF 100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	7,697.93	
27 14 13 16-0619	MLF 200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	14,475.63	
27 14 13 16-0620	MLF 300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	20,986.13	
27 14 13 16-0621	MLF 400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	26,530.39	
27 14 13 16-0622	MLF 600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	36,728.26	
27 14 13 16-0623	MLF 900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	55,933.48	
<b>27 14 13 16-0624</b>	<b>19 AWG, PE-39 Outdoor Telecommunications Cable (27 14 13 16-0575)</b>		
<b>27 14 13 16-0625</b>	<b>19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit (27 14 13 16-0624)</b>		
27 14 13 16-0626	MLF 25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	4,925.40	616.37
27 14 13 16-0627	MLF 50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	8,149.23	616.37
27 14 13 16-0628	MLF 100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	14,834.35	616.37
<b>27 14 13 16-0629</b>	<b>19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench (27 14 13 16-0624)</b>		
27 14 13 16-0630	MLF 25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	4,705.26	
27 14 13 16-0631	MLF 50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	7,929.09	
27 14 13 16-0632	MLF 100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	14,614.21	



<b>Communications</b>	<b>27</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>	
<b>Communications Cabling</b>	<b>27 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0633 (Aerial) Outdoor Telecommunications Cable <small>(27 14 13 16-0508)</small> Note: Includes support wire.		
27 14 13 16-0634 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles <small>(27 14 13 16-0633)</small>		
27 14 13 16-0635 MLF 6-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	4,605.60	1,245.22
27 14 13 16-0636 MLF 12-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	4,835.51	1,245.22
27 14 13 16-0637 MLF 25-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	5,406.32	1,245.22
27 14 13 16-0638 MLF 50-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	6,463.18	1,245.22
27 14 13 16-0639 MLF 100-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	8,504.47	1,245.22
27 14 13 16-0640 MLF 200-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	12,849.49	1,369.75
27 14 13 16-0641 MLF 300-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	17,219.75	1,494.26
27 14 13 16-0642 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles <small>(27 14 13 16-0633)</small>		
27 14 13 16-0643 MLF 6-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	4,880.66	1,245.22
27 14 13 16-0644 MLF 12-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	5,220.34	1,245.22
27 14 13 16-0645 MLF 25-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	6,038.48	1,245.22
27 14 13 16-0646 MLF 50-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	7,654.79	1,245.22
27 14 13 16-0647 MLF 100-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	11,260.43	1,245.22
27 14 13 16-0648 MLF 200-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	17,765.60	1,369.75
27 14 13 16-0649 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles <small>(27 14 13 16-0633)</small>		
27 14 13 16-0650 MLF 6-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	5,244.31	1,245.22
27 14 13 16-0651 MLF 12-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	6,012.47	1,245.22
27 14 13 16-0652 MLF 25-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	7,522.80	1,245.22
27 14 13 16-0653 MLF 50-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	10,543.48	1,245.22
27 14 13 16-0654 MLF 100-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	16,661.56	1,245.22
27 14 13 16-0655 Sound System Cables <small>(27 14 13 16)</small> Note: Cables shall be type CL2 or CM and as manufactured by West Penn Wire, Belden or approved equal.		
27 14 13 16-0656 Speaker/Communications And Control Cable, Installed Exposed <small>(27 14 13 16-0656)</small>		
27 14 13 16-0657 Non-Plenum Rated Speaker/Communications And Control Cable, Installed Exposed <small>(27 14 13 16-0656)</small>		
27 14 13 16-0658 MLF 2/c #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,137.84	469.58
For Work In Restricted Working Space, Add .....	281.75	
27 14 13 16-0659 MLF 2/c #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,070.84	469.58
For Work In Restricted Working Space, Add .....	281.75	
27 14 13 16-0660 MLF 2/c #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,019.15	469.58
For Work In Restricted Working Space, Add .....	281.75	
27 14 13 16-0661 MLF 4/c #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,075.68	469.58
For Work In Restricted Working Space, Add .....	281.75	
27 14 13 16-0662 MLF 4/c #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,257.34	469.58
For Work In Restricted Working Space, Add .....	281.75	
27 14 13 16-0663 MLF 6/c #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,438.40	469.58
For Work In Restricted Working Space, Add .....	281.75	
27 14 13 16-0664 MLF 4/c #20 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,258.10	469.58
For Work In Restricted Working Space, Add .....	281.75	
27 14 13 16-0665 MLF 4/c #22 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,170.87	469.58
For Work In Restricted Working Space, Add .....	281.75	
27 14 13 16-0666 Plenum Rated Speaker/Communications And Control Cable, Installed Exposed <small>(27 14 13 16-0656)</small>		
27 14 13 16-0667 MLF 2/c #16 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,165.53	469.58
For Work In Restricted Working Space, Add .....	281.75	
27 14 13 16-0668 MLF 2/c #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,088.45	469.58
For Work In Restricted Working Space, Add .....	281.75	
27 14 13 16-0669 MLF 2/c #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,044.81	469.58
For Work In Restricted Working Space, Add .....	281.75	
27 14 13 16-0670 MLF 4/c #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,117.62	469.58
For Work In Restricted Working Space, Add .....	281.75	
27 14 13 16-0671 MLF 8/c #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	1,271.43	469.58
For Work In Restricted Working Space, Add .....	281.75	

<b>27</b>	<b>Communications</b>
<b>27 10</b>	<b>Structured Cabling</b>
<b>27 14</b>	<b>Communications Cabling</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0672 MLF 2/c #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,254.46 281.75	469.58
For Work In Restricted Working Space, Add		
27 14 13 16-0673 MLF 2/c #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,147.84 281.75	469.58
For Work In Restricted Working Space, Add		
27 14 13 16-0674 MLF 4/c #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,329.08 281.75	469.58
For Work In Restricted Working Space, Add		
27 14 13 16-0675 MLF 6/c #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,509.82 281.75	469.58
For Work In Restricted Working Space, Add		
27 14 13 16-0676 MLF 2/c #22 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,066.69 281.75	469.58
For Work In Restricted Working Space, Add		
27 14 13 16-0677 MLF 2/c #20 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed.....	1,102.71 281.75	469.58
For Work In Restricted Working Space, Add		

**27 14 13 16-0678 Speaker/Communications And Control Cable, Installed In Conduit (27 14 13 16-0655)**

**27 14 13 16-0679 Non-Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit (27 14 13 16-0678)**

27 14 13 16-0680 MLF 2/c #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	668.24	234.79
27 14 13 16-0681 MLF 2/c #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	601.24	234.79
27 14 13 16-0682 MLF 2/c #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	549.55	234.79
27 14 13 16-0683 MLF 4/c #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	606.08	234.79
27 14 13 16-0684 MLF 4/c #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	787.74	234.79
27 14 13 16-0685 MLF 6/c #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	968.80	234.79
27 14 13 16-0686 MLF 4/c #20AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit.....	788.50	234.79
27 14 13 16-0687 MLF 4/c #22 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit.....	701.27	234.79

**27 14 13 16-0688 Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit (27 14 13 16-0678)**

27 14 13 16-0689 MLF 2/c #6 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	695.93	234.79
27 14 13 16-0690 MLF 2/c #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	618.85	234.79
27 14 13 16-0691 MLF 2/c #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	575.21	234.79
27 14 13 16-0692 MLF 4/c #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	648.02	234.79
27 14 13 16-0693 MLF 8/c #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	801.83	234.79
27 14 13 16-0694 MLF 2/c #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	784.86	234.79
27 14 13 16-0695 MLF 2/c #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	678.24	234.79
27 14 13 16-0696 MLF 4/c #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	859.48	234.79
27 14 13 16-0697 MLF 6/c #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,040.22	234.79
27 14 13 16-0698 MLF 2/c #20 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit.....	633.11	234.79
27 14 13 16-0699 MLF 2/c #22 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit.....	597.09	234.79

**27 14 23 Communications Optical Fiber Cabling (27 14)**

**27 14 23 13 Communications Optical Fiber Splicing And Terminations (27 14 23)**

**27 14 23 13-0001 Fiber Optic Cable Connectors (27 14 23 13)**

27 14 23 13-0002 EA ST Connector For Multimode Fiber Optic Cable.....	22.14
27 14 23 13-0003 EA ST Connector For Singlemode Fiber Optic Cable.....	25.85
27 14 23 13-0004 EA SC Connector For Multimode Fiber Optic Cable.....	24.89
27 14 23 13-0005 EA SC Connector For Singlemode Fiber Optic Cable.....	29.62
27 14 23 13-0006 EA LC Connector For Multimode Fiber Optic Cable.....	34.25
27 14 23 13-0007 EA LC Connector For Singlemode Fiber Optic Cable.....	35.35
27 14 23 13-0008 EA MT-RJ Connector For Multimode Fiber Optic Cable.....	52.44

**27 14 23 13-0009 Fiber Optic Cable Fan Out Kits (27 14 23 13)**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>27 14 23 13-0010</b> Buffer Tube Fan Out Kits For Fiber Optic Cable <small>(27 14 23 13-0009)</small>		
27 14 23 13-0011 EA 6-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	161.26	
27 14 23 13-0012 EA 12-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	164.03	
27 14 23 13-0013 EA 6-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	187.44	
27 14 23 13-0014 EA 12-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	204.99	
<b>27 14 23 13-0015</b> Spider Fan Out Kits For Fiber Optic Cable <small>(27 14 23 13-0009)</small>		
Note: For tight buffered or loose tube non-armored cables. Includes aramid yarn strength member, outer protective PVDF jacket and one meter fan out lengths.		
27 14 23 13-0016 EA 6-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	195.40	
27 14 23 13-0017 EA 12-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	214.00	
27 14 23 13-0018 EA 18-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	311.72	
27 14 23 13-0019 EA 24-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	403.69	
<b>27 14 23 13-0020</b> Fiber Optic Cable Splice Closures <small>(27 14 23 13)</small>		
Note: Includes mounting hardware. Excludes splicing and splice trays.		
27 14 23 13-0021 EA Up To 144-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure.....	560.16	73.38
27 14 23 13-0022 EA Up To 144-Fiber Capacity, Underground Fiber Optic Cable Splice Closure.....	706.92	146.75
27 14 23 13-0023 EA Up To 144-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure.....	706.92	146.75
27 14 23 13-0024 EA Up To 288-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure.....	934.23	73.38
27 14 23 13-0025 EA Up To 288-Fiber Capacity, Underground Fiber Optic Cable Splice Closure.....	1,080.99	146.75
27 14 23 13-0026 EA Up To 288-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure.....	1,080.99	146.75
27 14 23 13-0027 EA Splice Tray For Fiber Optic Cable Splice Closure.....	39.19	9.17
Note: Up to 12-fiber, mechanical or fusion splice tray. Excludes splice.		
<b>27 14 23 13-0028</b> Fiber Optic Cable Testing <small>(27 14 23 13)</small>		
Note: Price based on testing one wavelength.		
<b>27 14 23 13-0029</b> Fiber Optic Cable Testing Using An OTDR <small>(27 14 23 13-0028)</small>		
Note: Testing using an optical time domain reflectometer.		
27 14 23 13-0030 EA Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test.....	14.68	
<i>For &gt;12 To 48 Strands, Deduct</i>		
	-1.10	
<i>For &gt;48 Strands, Deduct</i>		
	-1.47	
27 14 23 13-0031 EA Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test.....	22.02	
<i>For &gt;12 To 48 Strands, Deduct</i>		
	-1.65	
<i>For &gt;48 Strands, Deduct</i>		
	-2.20	
27 14 23 13-0032 EA Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test With Documentation.....	36.69	
<i>For &gt;12 To 48 Strands, Deduct</i>		
	-2.75	
<i>For &gt;48 Strands, Deduct</i>		
	-3.67	
27 14 23 13-0033 EA Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test With Documentation.....	55.03	
<i>For &gt;12 To 48 Strands, Deduct</i>		
	-4.13	
<i>For &gt;48 Strands, Deduct</i>		
	-5.50	
<b>27 14 23 13-0034</b> Fiber Optic Cable Testing Using A Power Meter <small>(27 14 23 13-0028)</small>		
27 14 23 13-0035 EA Test 1-Strand Of Fiber Optic Cable Using A Single Directional Power Meter Test.....	14.68	
<i>For &gt;12 To 48 Strands, Deduct</i>		
	-1.10	
<i>For &gt;48 Strands, Deduct</i>		
	-1.47	
27 14 23 13-0036 EA Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional Power Meter Test.....	22.02	
<i>For &gt;12 To 48 Strands, Deduct</i>		
	-1.65	
<i>For &gt;48 Strands, Deduct</i>		
	-2.20	
<b>27 14 23 13-0037</b> Fiber Optic Cable Light Source/Continuity Testing <small>(27 14 23 13-0028)</small>		
27 14 23 13-0038 EA Test 1-Strand Of Fiber Optic Cable Using A Light Source/Continuity Test.....	14.68	
<i>For &gt;12 To 48 Strands, Deduct</i>		
	-1.10	
<i>For &gt;48 Strands, Deduct</i>		
	-1.47	
<b>27 14 23 13-0039</b> Fiber Optic Cable Splicing <small>(27 14 23 13)</small>		
27 14 23 13-0040 EA Single Strand, Fusion Splice Of Fiber Optic Cable.....	22.02	
27 14 23 13-0041 EA 12-Strand Ribbon, Fusion Splice Of Fiber Optic Cable.....	73.38	
<b>27 14 23 13-0042</b> Other Fiber Optic Cable Equipment <small>(27 14 23 13)</small>		
27 14 23 13-0043 EA 8 Port Ethernet Switch.....	595.92	144.36
27 14 23 13-0044 EA 18 dBi Gain, 5.25-5.85 GHZ Band, 18 Degree Beamwidth.....	832.58	144.36
Note: Patch antenna with 1 meter 3' SMA-N cable		
27 14 23 13-0045 EA Outdoor Multi Band 5.3 Or 5.8 GHz Wireless Ethernet Bridge.....	20,060.10	144.36
Note: 8VDC input		
27 14 23 13-0046 EA UPS, 500 VA 300 Watt UPS For CCTV, Edco PA400-120U.....	201.85	18.08
27 14 23 13-0047 EA Hardened Ethernet Switch.....	2,121.94	72.27
27 14 23 13-0048 EA 1,440 Watt, 120 Volt AC Solar Power Station.....	54,935.27	1,734.42
27 14 23 13-0049 EA 2,880 Watt, 120 Volt AC Solar Power Station.....	68,243.22	2,312.58
27 14 23 13-0050 EA Fiber Break Out Box For 24 Fiber.....	902.79	144.54
27 14 23 13-0051 EA Fiber Optic MM Data (PTZ or SYNC) 1300 Video 850, 1 Fiber, RM.....	1,028.30	72.27
27 14 23 13-0052 EA Fiber Optic MM Data (PTZ or SYNC) 850 Video 850, 2 Fibers.....	862.59	72.27
27 14 23 13-0053 EA Fiber Optic 19" Rack, 115 Volt AC Input.....	1,100.56	108.40

<b>27</b>	<b>Communications</b>
<b>27 10</b>	<b>Structured Cabling</b>
<b>27 14</b>	<b>Communications Cabling</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 13-0054			<b>Other Fiber Optic Cable Splicing</b> (27 14 23 13)		
27 14 23 13-0055	EA		Fiber Optic Finger Splice .....	26.45	13.79
27 14 23 13-0056	EA		Fiber Optic Splice Box - Manholes.....	4,523.55	
<b>27 14 23 16</b>			<b>Communications Optical Fiber Cabling</b> (27 14 23)		
			Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
27 14 23 16-0001			<b>Indoor Fiber Optic Cable</b> (27 14 23 16)		
			Note: Distribution cables contain multiple tight-buffered fibers bundled under the same jacket with Kevlar strength members. Break-out cables contain multiple individually reinforced and jacketed simplex cables bundled together.		
27 14 23 16-0002			<b>Indoor Fiber Optic Cable, Installed In Conduit</b> (27 14 23 16-0001)		
			Note: Excludes conduit or innerduct.		
27 14 23 16-0003			<b>Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> (27 14 23 16-0002)		
27 14 23 16-0004			<b>Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> (27 14 23 16-0003)		
27 14 23 16-0005			<b>Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> (27 14 23 16-0004)		
27 14 23 16-0006	MLF		1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	720.56	264.16
27 14 23 16-0007	MLF		2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	805.03	264.16
27 14 23 16-0008	MLF		4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	833.24	264.16
27 14 23 16-0009	MLF		6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	933.68	264.16
			<i>For Aluminum Armored Cable, Add</i>	886.13	
			<i>For Steel Armored Cable, Add</i>	3,180.84	
27 14 23 16-0010	MLF		8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	962.48	264.16
27 14 23 16-0011	MLF		12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,136.56	264.16
			<i>For Aluminum Armored Cable, Add</i>	953.58	
			<i>For Steel Armored Cable, Add</i>	3,494.50	
27 14 23 16-0012	MLF		18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,052.53	308.19
27 14 23 16-0013	MLF		24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,982.43	308.19
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	932.12	
			<i>For Steel Armored Cable, Add</i>	6,062.44	
27 14 23 16-0014	MLF		36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	3,689.16	308.19
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	889.07	
			<i>For Steel Armored Cable, Add</i>	6,342.88	
27 14 23 16-0015	MLF		48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	3,826.23	308.19
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	935.94	
			<i>For Steel Armored Cable, Add</i>	6,631.37	
27 14 23 16-0016	MLF		60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	4,690.61	308.19
27 14 23 16-0017	MLF		72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	4,920.47	308.19
27 14 23 16-0018	MLF		96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	6,129.57	308.19
27 14 23 16-0019	MLF		120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	8,281.42	352.21
27 14 23 16-0020	MLF		144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	9,930.22	352.21
<b>27 14 23 16-0021</b>			<b>50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> (27 14 23 16-0004)		
27 14 23 16-0022	MLF		1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	744.88	264.16
27 14 23 16-0023	MLF		2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	792.26	264.16
27 14 23 16-0024	MLF		4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,001.26	264.16
27 14 23 16-0025	MLF		6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,221.26	264.16
			<i>For Aluminum Armored Cable, Add</i>	944.74	
			<i>For Steel Armored Cable, Add</i>	1,208.86	
27 14 23 16-0026	MLF		8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,430.26	264.16
27 14 23 16-0027	MLF		12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,859.26	264.16
			<i>For Aluminum Armored Cable, Add</i>	1,021.22	
			<i>For Steel Armored Cable, Add</i>	1,365.36	
27 14 23 16-0028	MLF		18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,042.65	308.19
27 14 23 16-0029	MLF		24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	3,593.65	308.19
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	704.27	
			<i>For Steel Armored Cable, Add</i>	704.27	
27 14 23 16-0030	MLF		36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	5,133.65	308.19
27 14 23 16-0031	MLF		48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	6,673.65	308.19
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,256.30	
27 14 23 16-0032	MLF		60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	8,213.65	308.19



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0033 MLF 72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	9,753.65	308.19
27 14 23 16-0034 MLF 96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	12,844.65	308.19
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	<i>5,421.08</i>	
27 14 23 16-0035 MLF 120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	15,998.02	352.21
27 14 23 16-0036 MLF 144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	19,078.02	352.21
<b>27 14 23 16-0037 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 14 23 16-0004)</small>		
27 14 23 16-0038 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	760.11	264.16
27 14 23 16-0039 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	809.86	264.16
27 14 23 16-0040 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,029.31	264.16
27 14 23 16-0041 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,260.31	264.16
27 14 23 16-0042 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,479.76	264.16
27 14 23 16-0043 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,930.21	264.16
27 14 23 16-0044 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,119.10	308.19
27 14 23 16-0045 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	3,747.65	308.19
27 14 23 16-0046 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	5,364.65	308.19
27 14 23 16-0047 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	6,981.65	308.19
27 14 23 16-0048 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	8,598.65	308.19
27 14 23 16-0049 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	10,215.65	308.19
27 14 23 16-0050 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	13,461.20	308.19
27 14 23 16-0051 MLF 120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	16,768.57	352.21
27 14 23 16-0052 MLF 144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	20,002.57	352.21
<b>27 14 23 16-0053 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 14 23 16-0003)</small>		
<b>27 14 23 16-0054 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 14 23 16-0053)</small>		
27 14 23 16-0055 MLF 2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,503.48	264.16
27 14 23 16-0056 MLF 4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,818.52	264.16
27 14 23 16-0057 MLF 6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,511.60	264.16
27 14 23 16-0058 MLF 8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,842.36	264.16
27 14 23 16-0059 MLF 12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	5,095.73	264.16
27 14 23 16-0060 MLF 18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	5,357.27	308.19
27 14 23 16-0061 MLF 24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	6,809.05	308.19
27 14 23 16-0062 MLF 36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	9,688.96	308.19
27 14 23 16-0063 MLF 48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	11,933.58	308.19
<b>27 14 23 16-0064 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 14 23 16-0053)</small>		
27 14 23 16-0065 MLF 2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,631.88	264.16
27 14 23 16-0066 MLF 4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,007.60	264.16
27 14 23 16-0067 MLF 6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,627.06	264.16
27 14 23 16-0068 MLF 8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	3,547.76	264.16
27 14 23 16-0069 MLF 12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	3,927.56	264.16
27 14 23 16-0070 MLF 18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	5,272.25	308.19
27 14 23 16-0071 MLF 24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	6,647.60	308.19
27 14 23 16-0072 MLF 36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	7,595.45	308.19
27 14 23 16-0073 MLF 48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	11,645.65	308.19
<b>27 14 23 16-0074 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 14 23 16-0053)</small>		



<b>27</b>	<b>Communications</b>
<b>27 10</b>	<b>Structured Cabling</b>
<b>27 14</b>	<b>Communications Cabling</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0075 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,691.46	264.16
27 14 23 16-0076 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,085.96	264.16
27 14 23 16-0077 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,736.40	264.16
27 14 23 16-0078 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	3,703.14	264.16
27 14 23 16-0079 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	4,101.92	264.16
27 14 23 16-0080 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	5,510.18	308.19
27 14 23 16-0081 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	6,954.30	308.19
27 14 23 16-0082 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	7,949.54	308.19
27 14 23 16-0083 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	12,202.25	308.19
<b>27 14 23 16-0084 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <i>(27 14 23 16-0002)</i>		
<b>27 14 23 16-0085 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <i>(27 14 23 16-0084)</i>		
<b>27 14 23 16-0086 Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <i>(27 14 23 16-0085)</i>		
27 14 23 16-0087 MLF 1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	718.16	264.16
27 14 23 16-0088 MLF 2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	722.36	264.16
27 14 23 16-0089 MLF 4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	942.51	264.16
27 14 23 16-0090 MLF 6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	968.27	264.16
<i>For Aluminum Armored Cable, Add</i>	988.85	
<i>For Steel Armored Cable, Add</i>	3,539.79	
27 14 23 16-0091 MLF 8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,097.95	264.16
27 14 23 16-0092 MLF 12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,122.21	264.16
<i>For Aluminum Armored Cable, Add</i>	1,046.17	
<i>For Steel Armored Cable, Add</i>	3,772.00	
27 14 23 16-0093 MLF 18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,736.85	308.19
27 14 23 16-0094 MLF 24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	3,570.55	308.19
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	370.52	
<i>For Steel Armored Cable, Add</i>	3,400.82	
27 14 23 16-0095 MLF 36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	5,777.26	308.19
27 14 23 16-0096 MLF 48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	5,932.70	308.19
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	481.25	
<i>For Steel Armored Cable, Add</i>	3,872.02	
27 14 23 16-0097 MLF 60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	7,197.70	308.19
27 14 23 16-0098 MLF 72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	8,548.32	308.19
27 14 23 16-0099 MLF 96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	11,355.18	308.19
<b>27 14 23 16-0100 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <i>(27 14 23 16-0085)</i>		
27 14 23 16-0101 MLF 1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	743.24	264.16
27 14 23 16-0102 MLF 2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	862.99	264.16
27 14 23 16-0103 MLF 4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,121.96	264.16
27 14 23 16-0104 MLF 6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,386.12	264.16
<i>For Aluminum Armored Cable, Add</i>	782.39	
<i>For Steel Armored Cable, Add</i>	1,104.93	
27 14 23 16-0105 MLF 8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,639.24	264.16
27 14 23 16-0106 MLF 12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,859.16	264.16
<i>For Aluminum Armored Cable, Add</i>	999.34	
<i>For Steel Armored Cable, Add</i>	1,365.46	
27 14 23 16-0107 MLF 18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,365.41	308.19
27 14 23 16-0108 MLF 24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	4,243.81	308.19
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,480.05	
<i>For Steel Armored Cable, Add</i>	1,480.05	
27 14 23 16-0109 MLF 36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	6,108.89	308.19
27 14 23 16-0110 MLF 48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	7,973.97	308.19
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,410.22	
27 14 23 16-0111 MLF 60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	9,839.05	308.19
27 14 23 16-0112 MLF 72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	11,704.13	308.19



<b>Communications</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>
<b>Communications Cabling</b>	<b>27 14</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0113 MLF 96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit ..... <i>For Aluminum Armored Cable With Sub-Units, Add</i>	15,447.61 2,818.12	308.19
<b>27 14 23 16-0114 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0085)</b>		
27 14 23 16-0115 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	758.39	264.16
27 14 23 16-0116 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	884.13	264.16
27 14 23 16-0117 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,156.05	264.16
27 14 23 16-0118 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,433.42	264.16
27 14 23 16-0119 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,699.19	264.16
27 14 23 16-0120 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	1,930.10	264.16
27 14 23 16-0121 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,458.00	308.19
27 14 23 16-0122 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	4,430.32	308.19
27 14 23 16-0123 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	6,388.65	308.19
27 14 23 16-0124 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	8,346.99	308.19
27 14 23 16-0125 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	10,305.32	308.19
27 14 23 16-0126 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	12,263.65	308.19
27 14 23 16-0127 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	16,194.31	308.19
<b>27 14 23 16-0128 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0084)</b>		
<b>27 14 23 16-0129 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0128)</b>		
27 14 23 16-0130 MLF 2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,466.95	264.16
27 14 23 16-0131 MLF 4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,850.26	264.16
27 14 23 16-0132 MLF 6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,771.73	264.16
27 14 23 16-0133 MLF 8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,674.80	264.16
27 14 23 16-0134 MLF 12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,116.08	264.16
27 14 23 16-0135 MLF 18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,767.49	308.19
27 14 23 16-0136 MLF 24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	12,736.40	308.19
27 14 23 16-0137 MLF 36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	15,451.45	308.19
27 14 23 16-0138 MLF 48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	19,331.60	308.19
<b>27 14 23 16-0139 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0128)</b>		
27 14 23 16-0140 MLF 2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,829.81	264.16
27 14 23 16-0141 MLF 4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	3,527.63	264.16
27 14 23 16-0142 MLF 6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	4,773.21	264.16
27 14 23 16-0143 MLF 8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	5,408.03	264.16
27 14 23 16-0144 MLF 12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	5,351.74	264.16
27 14 23 16-0145 MLF 18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	8,746.65	308.19
27 14 23 16-0146 MLF 24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	8,563.54	308.19
27 14 23 16-0147 MLF 36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	11,327.50	308.19
27 14 23 16-0148 MLF 48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	18,098.69	308.19
<b>27 14 23 16-0149 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0128)</b>		
27 14 23 16-0150 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	2,949.29	264.16
27 14 23 16-0151 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	3,682.00	264.16
27 14 23 16-0152 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	4,989.86	264.16

<b>27</b>	<b>Communications</b>
<b>27 10</b>	<b>Structured Cabling</b>
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0153 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	5,656.42	264.16
27 14 23 16-0154 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	5,597.31	264.16
27 14 23 16-0155 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	9,158.30	308.19
27 14 23 16-0156 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	8,966.04	308.19
27 14 23 16-0157 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	11,868.20	308.19
27 14 23 16-0158 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit .....	18,977.94	308.19
<b>27 14 23 16-0159 Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 14 23 16-0001)</small> Note: For non-conduit installations such as cable trays, surface runways, etc.		
<b>27 14 23 16-0160 Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 14 23 16-0159)</small>		
<b>27 14 23 16-0161 Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 14 23 16-0160)</small>		
<b>27 14 23 16-0162 Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 14 23 16-0161)</small>		
27 14 23 16-0163 MLF 1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	867.32	352.21
<i>For Work In Restricted Working Space, Add</i>	176.11	
27 14 23 16-0164 MLF 2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	951.79	352.21
<i>For Work In Restricted Working Space, Add</i>	176.11	
27 14 23 16-0165 MLF 4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	980.00	352.21
<i>For Work In Restricted Working Space, Add</i>	176.11	
27 14 23 16-0166 MLF 6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,080.44	352.21
<i>For Aluminum Armored Cable, Add</i>	886.13	
<i>For Steel Armored Cable, Add</i>	3,180.84	
<i>For Work In Restricted Working Space, Add</i>	176.11	
27 14 23 16-0167 MLF 8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,109.24	352.21
<i>For Work In Restricted Working Space, Add</i>	176.11	
27 14 23 16-0168 MLF 12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,283.32	352.21
<i>For Aluminum Armored Cable, Add</i>	953.58	
<i>For Steel Armored Cable, Add</i>	3,494.50	
<i>For Work In Restricted Working Space, Add</i>	176.11	
27 14 23 16-0169 MLF 18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	2,199.28	396.24
<i>For Work In Restricted Working Space, Add</i>	198.12	
27 14 23 16-0170 MLF 24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	3,129.18	396.24
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	932.12	
<i>For Steel Armored Cable, Add</i>	6,062.44	
<i>For Work In Restricted Working Space, Add</i>	198.12	
27 14 23 16-0171 MLF 36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	3,835.91	396.24
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	889.07	
<i>For Steel Armored Cable, Add</i>	6,342.88	
<i>For Work In Restricted Working Space, Add</i>	198.12	
27 14 23 16-0172 MLF 48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	3,972.98	396.24
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	935.94	
<i>For Steel Armored Cable, Add</i>	6,631.37	
<i>For Work In Restricted Working Space, Add</i>	198.12	
27 14 23 16-0173 MLF 60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	4,837.36	396.24
<i>For Work In Restricted Working Space, Add</i>	198.12	
27 14 23 16-0174 MLF 72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	5,067.22	396.24
<i>For Work In Restricted Working Space, Add</i>	198.12	
27 14 23 16-0175 MLF 96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	6,276.32	396.24
<i>For Work In Restricted Working Space, Add</i>	198.12	
27 14 23 16-0176 MLF 120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	8,428.17	440.26
<i>For Work In Restricted Working Space, Add</i>	220.13	
27 14 23 16-0177 MLF 144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	10,076.97	440.26
<i>For Work In Restricted Working Space, Add</i>	220.13	
<b>27 14 23 16-0178 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 14 23 16-0161)</small>		
27 14 23 16-0179 MLF 1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	891.64	352.21
<i>For Work In Restricted Working Space, Add</i>	176.11	
27 14 23 16-0180 MLF 2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	939.02	352.21
<i>For Work In Restricted Working Space, Add</i>	176.11	
27 14 23 16-0181 MLF 4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,148.02	352.21
<i>For Work In Restricted Working Space, Add</i>	176.11	
27 14 23 16-0182 MLF 6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,368.02	352.21
<i>For Aluminum Armored Cable, Add</i>	944.74	
<i>For Steel Armored Cable, Add</i>	1,208.86	
<i>For Work In Restricted Working Space, Add</i>	176.11	
27 14 23 16-0183 MLF 8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,577.02	352.21
<i>For Work In Restricted Working Space, Add</i>	176.11	
27 14 23 16-0184 MLF 12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	2,006.02	352.21
<i>For Aluminum Armored Cable, Add</i>	1,021.22	
<i>For Steel Armored Cable, Add</i>	1,365.36	
<i>For Work In Restricted Working Space, Add</i>	176.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0185 MLF 18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,189.40 198.12	396.24
27 14 23 16-0186 MLF 24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,740.40 704.27 704.27 198.12	396.24
27 14 23 16-0187 MLF 36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	5,280.40 198.12	396.24
27 14 23 16-0188 MLF 48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Work In Restricted Working Space, Add</i>	6,820.40 1,256.30 198.12	396.24
27 14 23 16-0189 MLF 60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	8,360.40 198.12	396.24
27 14 23 16-0190 MLF 72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	9,900.40 198.12	396.24
27 14 23 16-0191 MLF 96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Work In Restricted Working Space, Add</i>	12,991.40 5,421.08 198.12	396.24
27 14 23 16-0192 MLF 120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	16,144.77 220.13	440.26
27 14 23 16-0193 MLF 144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	19,224.77 220.13	440.26
<b>27 14 23 16-0194 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 14 23 16-0161)</small>		
27 14 23 16-0195 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	906.87 176.11	352.21
27 14 23 16-0196 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	956.62 176.11	352.21
27 14 23 16-0197 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	1,176.07 176.11	352.21
27 14 23 16-0198 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	1,407.07 176.11	352.21
27 14 23 16-0199 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	1,626.52 176.11	352.21
27 14 23 16-0200 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,076.97 176.11	352.21
27 14 23 16-0201 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,265.85 198.12	396.24
27 14 23 16-0202 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	3,894.40 198.12	396.24
27 14 23 16-0203 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	5,511.40 198.12	396.24
27 14 23 16-0204 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	7,128.40 198.12	396.24
27 14 23 16-0205 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	8,745.40 198.12	396.24
27 14 23 16-0206 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	10,362.40 198.12	396.24
27 14 23 16-0207 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	13,607.95 198.12	396.24
27 14 23 16-0208 MLF 120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	16,915.32 220.13	440.26
27 14 23 16-0209 MLF 144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	20,149.32 220.13	440.26
<b>27 14 23 16-0210 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 14 23 16-0160)</small>		
<b>27 14 23 16-0211 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 14 23 16-0210)</small>		
27 14 23 16-0212 MLF 2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,650.24 176.11	352.21
27 14 23 16-0213 MLF 4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,965.28 176.11	352.21

<b>27</b>	<b>Communications</b>
<b>27 10</b>	<b>Structured Cabling</b>
<b>27 14</b>	<b>Communications Cabling</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0214 MLF 6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,658.36 176.11	352.21
27 14 23 16-0215 MLF 8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,989.12 176.11	352.21
27 14 23 16-0216 MLF 12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	5,242.49 176.11	352.21
27 14 23 16-0217 MLF 18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	5,504.02 198.12	396.24
27 14 23 16-0218 MLF 24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	6,955.80 198.12	396.24
27 14 23 16-0219 MLF 36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	9,835.71 198.12	396.24
27 14 23 16-0220 MLF 48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	12,080.33 198.12	396.24
<b>27 14 23 16-0221 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 14 23 16-0210)</small>		
27 14 23 16-0222 MLF 2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,778.64 176.11	352.21
27 14 23 16-0223 MLF 4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,154.36 176.11	352.21
27 14 23 16-0224 MLF 6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,773.82 176.11	352.21
27 14 23 16-0225 MLF 8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,694.52 176.11	352.21
27 14 23 16-0226 MLF 12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	4,074.32 176.11	352.21
27 14 23 16-0227 MLF 18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	5,419.00 198.12	396.24
27 14 23 16-0228 MLF 24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	6,794.35 198.12	396.24
27 14 23 16-0229 MLF 36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	7,742.20 198.12	396.24
27 14 23 16-0230 MLF 48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	11,792.40 198.12	396.24
<b>27 14 23 16-0231 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 14 23 16-0210)</small>		
27 14 23 16-0232 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,838.22 176.11	352.21
27 14 23 16-0233 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,232.72 176.11	352.21
27 14 23 16-0234 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,883.16 176.11	352.21
27 14 23 16-0235 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,849.90 176.11	352.21
27 14 23 16-0236 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	4,248.68 176.11	352.21
27 14 23 16-0237 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	5,656.93 198.12	396.24
27 14 23 16-0238 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	7,101.05 198.12	396.24
27 14 23 16-0239 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	8,096.29 198.12	396.24
27 14 23 16-0240 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	12,349.00 198.12	396.24
27 14 23 16-0241 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0159)</small>		
27 14 23 16-0242 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0241)</small>		
27 14 23 16-0243 Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0242)</small>		
27 14 23 16-0244 MLF 1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	864.92 176.11	352.21
27 14 23 16-0245 MLF 2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	869.12 176.11	352.21
27 14 23 16-0246 MLF 4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,089.27 176.11	352.21
27 14 23 16-0247 MLF 6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,115.03 988.85 3,539.79 176.11	352.21



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0248 MLF 8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,244.71	352.21
<i>For Work In Restricted Working Space, Add</i>	176.11	
27 14 23 16-0249 MLF 12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,268.97	352.21
<i>For Aluminum Armored Cable, Add</i>	1,046.17	
<i>For Steel Armored Cable, Add</i>	3,772.00	
<i>For Work In Restricted Working Space, Add</i>	176.11	
27 14 23 16-0250 MLF 18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	2,883.60	396.24
<i>For Work In Restricted Working Space, Add</i>	198.12	
27 14 23 16-0251 MLF 24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	3,717.30	396.24
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	370.52	
<i>For Steel Armored Cable, Add</i>	3,400.82	
<i>For Work In Restricted Working Space, Add</i>	198.12	
27 14 23 16-0252 MLF 36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	5,924.01	396.24
<i>For Work In Restricted Working Space, Add</i>	198.12	
27 14 23 16-0253 MLF 48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	6,079.45	396.24
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	481.25	
<i>For Steel Armored Cable, Add</i>	3,872.02	
<i>For Work In Restricted Working Space, Add</i>	198.12	
27 14 23 16-0254 MLF 60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	7,344.45	396.24
<i>For Work In Restricted Working Space, Add</i>	198.12	
27 14 23 16-0255 MLF 72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	8,695.07	396.24
<i>For Work In Restricted Working Space, Add</i>	198.12	
27 14 23 16-0256 MLF 96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	11,501.93	396.24
<i>For Work In Restricted Working Space, Add</i>	198.12	
<b>27 14 23 16-0257 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 14 23 16-0242)</small>		
27 14 23 16-0258 MLF 1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	890.00	352.21
<i>For Work In Restricted Working Space, Add</i>	176.11	
27 14 23 16-0259 MLF 2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,009.75	352.21
<i>For Work In Restricted Working Space, Add</i>	176.11	
27 14 23 16-0260 MLF 4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,268.72	352.21
<i>For Work In Restricted Working Space, Add</i>	176.11	
27 14 23 16-0261 MLF 6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,532.88	352.21
<i>For Aluminum Armored Cable, Add</i>	782.39	
<i>For Steel Armored Cable, Add</i>	1,104.93	
<i>For Work In Restricted Working Space, Add</i>	176.11	
27 14 23 16-0262 MLF 8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	1,786.00	352.21
<i>For Work In Restricted Working Space, Add</i>	176.11	
27 14 23 16-0263 MLF 12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	2,005.92	352.21
<i>For Aluminum Armored Cable, Add</i>	999.34	
<i>For Steel Armored Cable, Add</i>	1,365.46	
<i>For Work In Restricted Working Space, Add</i>	176.11	
27 14 23 16-0264 MLF 18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	2,512.16	396.24
<i>For Work In Restricted Working Space, Add</i>	198.12	
27 14 23 16-0265 MLF 24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	4,390.56	396.24
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,480.05	
<i>For Steel Armored Cable, Add</i>	1,480.05	
<i>For Work In Restricted Working Space, Add</i>	198.12	
27 14 23 16-0266 MLF 36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	6,255.64	396.24
<i>For Work In Restricted Working Space, Add</i>	198.12	
27 14 23 16-0267 MLF 48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	8,120.72	396.24
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,410.22	
<i>For Work In Restricted Working Space, Add</i>	198.12	
27 14 23 16-0268 MLF 60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	9,985.80	396.24
<i>For Work In Restricted Working Space, Add</i>	198.12	
27 14 23 16-0269 MLF 72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	11,850.88	396.24
<i>For Work In Restricted Working Space, Add</i>	198.12	
<i>For Work In Restricted Working Space, Add</i>	198.12	
27 14 23 16-0270 MLF 96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	15,594.36	396.24
<i>For Work In Restricted Working Space, Add</i>	198.12	
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	2,818.12	
<i>For Work In Restricted Working Space, Add</i>	198.12	
<b>27 14 23 16-0271 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 14 23 16-0242)</small>		
27 14 23 16-0272 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	905.15	352.21
<i>For Work In Restricted Working Space, Add</i>	176.11	

<b>27</b>	<b>Communications</b>
<b>27 10</b>	<b>Structured Cabling</b>
<b>27 14</b>	<b>Communications Cabling</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0273 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,030.89 176.11	352.21
<i>For Work In Restricted Working Space, Add</i>		
27 14 23 16-0274 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,302.81 176.11	352.21
<i>For Work In Restricted Working Space, Add</i>		
27 14 23 16-0275 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,580.18 176.11	352.21
<i>For Work In Restricted Working Space, Add</i>		
27 14 23 16-0276 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,845.95 176.11	352.21
<i>For Work In Restricted Working Space, Add</i>		
27 14 23 16-0277 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,076.86 176.11	352.21
<i>For Work In Restricted Working Space, Add</i>		
27 14 23 16-0278 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,604.75 198.12	396.24
<i>For Work In Restricted Working Space, Add</i>		
27 14 23 16-0279 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,577.07 198.12	396.24
<i>For Work In Restricted Working Space, Add</i>		
27 14 23 16-0280 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,535.40 198.12	396.24
<i>For Work In Restricted Working Space, Add</i>		
27 14 23 16-0281 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,493.74 198.12	396.24
<i>For Work In Restricted Working Space, Add</i>		
27 14 23 16-0282 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,452.07 198.12	396.24
<i>For Work In Restricted Working Space, Add</i>		
27 14 23 16-0283 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	12,410.40 198.12	396.24
<i>For Work In Restricted Working Space, Add</i>		
27 14 23 16-0284 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	16,341.06 198.12	396.24
<i>For Work In Restricted Working Space, Add</i>		
<b>27 14 23 16-0285 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 14 23 16-0241)</small>		
<b>27 14 23 16-0286 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 14 23 16-0285)</small>		
27 14 23 16-0287 MLF 2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,613.71 176.11	352.21
<i>For Work In Restricted Working Space, Add</i>		
27 14 23 16-0288 MLF 4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,997.02 176.11	352.21
<i>For Work In Restricted Working Space, Add</i>		
27 14 23 16-0289 MLF 6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,918.49 176.11	352.21
<i>For Work In Restricted Working Space, Add</i>		
27 14 23 16-0290 MLF 8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,821.56 176.11	352.21
<i>For Work In Restricted Working Space, Add</i>		
27 14 23 16-0291 MLF 12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,262.84 176.11	352.21
<i>For Work In Restricted Working Space, Add</i>		
27 14 23 16-0292 MLF 18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,914.24 198.12	396.24
<i>For Work In Restricted Working Space, Add</i>		
27 14 23 16-0293 MLF 24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	12,883.15 198.12	396.24
<i>For Work In Restricted Working Space, Add</i>		
27 14 23 16-0294 MLF 36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	15,598.20 198.12	396.24
<i>For Work In Restricted Working Space, Add</i>		
27 14 23 16-0295 MLF 48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	19,478.35 198.12	396.24
<i>For Work In Restricted Working Space, Add</i>		
<b>27 14 23 16-0296 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 14 23 16-0285)</small>		
27 14 23 16-0297 MLF 2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,976.57 176.11	352.21
<i>For Work In Restricted Working Space, Add</i>		
27 14 23 16-0298 MLF 4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,674.39 176.11	352.21
<i>For Work In Restricted Working Space, Add</i>		
27 14 23 16-0299 MLF 6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,919.97 176.11	352.21
<i>For Work In Restricted Working Space, Add</i>		
27 14 23 16-0300 MLF 8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,554.79 176.11	352.21
<i>For Work In Restricted Working Space, Add</i>		
27 14 23 16-0301 MLF 12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,498.50 176.11	352.21
<i>For Work In Restricted Working Space, Add</i>		
27 14 23 16-0302 MLF 18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,893.40 198.12	396.24
<i>For Work In Restricted Working Space, Add</i>		
27 14 23 16-0303 MLF 24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,710.29 198.12	396.24
<i>For Work In Restricted Working Space, Add</i>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0304 MLF 36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	11,474.25	396.24
<i>For Work In Restricted Working Space, Add</i> .....	198.12	
27 14 23 16-0305 MLF 48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	18,245.44	396.24
<i>For Work In Restricted Working Space, Add</i> .....	198.12	
<b>27 14 23 16-0306 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 14 23 16-0285)</small>		
27 14 23 16-0307 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	3,096.05	352.21
<i>For Work In Restricted Working Space, Add</i> .....	176.11	
27 14 23 16-0308 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	3,828.76	352.21
<i>For Work In Restricted Working Space, Add</i> .....	176.11	
27 14 23 16-0309 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	5,136.62	352.21
<i>For Work In Restricted Working Space, Add</i> .....	176.11	
27 14 23 16-0310 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	5,803.18	352.21
<i>For Work In Restricted Working Space, Add</i> .....	176.11	
27 14 23 16-0311 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	5,744.07	352.21
<i>For Work In Restricted Working Space, Add</i> .....	176.11	
27 14 23 16-0312 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	9,305.05	396.24
<i>For Work In Restricted Working Space, Add</i> .....	198.12	
27 14 23 16-0313 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	9,112.79	396.24
<i>For Work In Restricted Working Space, Add</i> .....	198.12	
27 14 23 16-0314 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	12,014.95	396.24
<i>For Work In Restricted Working Space, Add</i> .....	198.12	
27 14 23 16-0315 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed .....	19,124.69	396.24
<i>For Work In Restricted Working Space, Add</i> .....	198.12	
<b>27 14 23 16-0316 Hybrid, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 14 23 16-0001)</small> Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
<b>27 14 23 16-0317 Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 14 23 16-0316)</small>		
27 14 23 16-0318 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit .....	1,126.78	264.16
27 14 23 16-0319 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit .....	2,055.26	264.16
27 14 23 16-0320 MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit .....	4,987.57	308.19
27 14 23 16-0321 MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit .....	8,004.93	308.19
<b>27 14 23 16-0322 Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 14 23 16-0316)</small>		
27 14 23 16-0323 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit .....	1,383.64	264.16
27 14 23 16-0324 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit .....	2,091.40	264.16
27 14 23 16-0325 MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit .....	5,966.03	308.19
27 14 23 16-0326 MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit .....	10,470.52	308.19
<b>27 14 23 16-0327 Hybrid, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 14 23 16-0001)</small> Note: Singlemode and multimode combination cable. For non-conduit installations such as cable trays, surface runways, etc.		
<b>27 14 23 16-0328 Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 14 23 16-0327)</small>		
27 14 23 16-0329 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed .....	1,273.54	352.21
<i>For Work In Restricted Working Space, Add</i> .....	176.11	
27 14 23 16-0330 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed .....	2,202.02	352.21
<i>For Work In Restricted Working Space, Add</i> .....	176.11	
27 14 23 16-0331 MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed .....	5,134.32	396.24
<i>For Work In Restricted Working Space, Add</i> .....	198.12	
27 14 23 16-0332 MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed .....	8,151.68	396.24
<i>For Work In Restricted Working Space, Add</i> .....	198.12	





MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0333			<b>Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed</b>		
			<b>Exposed</b> <small>(27 14 23 16-0327)</small>		
27 14 23 16-0334	MLF		6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed	1,530.40	352.21
			Exposed.....	176.11	
			<i>For Work In Restricted Working Space, Add</i>		
27 14 23 16-0335	MLF		12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed	2,238.16	352.21
			Exposed.....	176.11	
			<i>For Work In Restricted Working Space, Add</i>		
27 14 23 16-0336	MLF		24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed	6,112.78	396.24
			Exposed.....	198.12	
			<i>For Work In Restricted Working Space, Add</i>		
27 14 23 16-0337	MLF		48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed	10,617.27	396.24
			Exposed.....	198.12	
			<i>For Work In Restricted Working Space, Add</i>		
27 14 23 16-0338			<b>Outdoor Fiber Optic Cable</b> <small>(27 14 23 16)</small>		
			Note: Cable buried in trench excludes excavation.		
27 14 23 16-0339			<b>Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 14 23 16-0338)</small>		
			Note: Excludes conduit or innerduct.		
27 14 23 16-0340			<b>Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b>		
			<small>(27 14 23 16-0339)</small>		
27 14 23 16-0341			<b>Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 14 23 16-0340)</small>		
27 14 23 16-0342	MLF		2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,383.60	528.32
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	245.73	
27 14 23 16-0343	MLF		4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,414.19	528.32
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	247.76	
27 14 23 16-0344	MLF		6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,444.83	528.32
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	249.73	
27 14 23 16-0345	MLF		8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,475.44	528.32
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	252.12	
27 14 23 16-0346	MLF		12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,536.27	528.32
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	228.14	
27 14 23 16-0347	MLF		18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,660.70	528.32
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	254.18	
27 14 23 16-0348	MLF		24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,724.66	528.32
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	200.10	
27 14 23 16-0349	MLF		36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,744.39	528.32
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	233.89	
27 14 23 16-0350	MLF		48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,110.45	528.32
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	257.31	
27 14 23 16-0351	MLF		60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,312.26	528.32
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	257.29	
27 14 23 16-0352	MLF		72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,574.10	528.32
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	304.09	
27 14 23 16-0353	MLF		96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,035.06	528.32
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	291.96	
27 14 23 16-0354	MLF		120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,538.72	528.32
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	354.52	
27 14 23 16-0355	MLF		144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,065.86	528.32
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	237.32	
27 14 23 16-0356			<b>50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 14 23 16-0340)</small>		
27 14 23 16-0357	MLF		2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,694.54	528.32
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	44.00	
27 14 23 16-0358	MLF		4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,740.74	528.32
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	74.80	
27 14 23 16-0359	MLF		6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,837.54	528.32
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	121.00	
27 14 23 16-0360	MLF		8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,969.54	528.32
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	22.00	
27 14 23 16-0361	MLF		12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,024.54	528.32
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	44.00	
27 14 23 16-0362	MLF		18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,211.54	528.32
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	66.00	
27 14 23 16-0363	MLF		24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,607.54	528.32
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	44.00	
27 14 23 16-0364	MLF		36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,190.54	528.32
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	132.00	
27 14 23 16-0365	MLF		48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,839.54	528.32
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	44.00	
27 14 23 16-0366	MLF		60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,290.54	528.32
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	132.00	
27 14 23 16-0367	MLF		72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,873.54	528.32
			<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	517.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0368 MLF 96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,226.54 176.00	528.32
27 14 23 16-0369 MLF 120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,568.54 209.00	528.32
27 14 23 16-0370 MLF 144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,910.54 253.00	528.32
<b>27 14 23 16-0371 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 14 23 16-0340)</small>		
27 14 23 16-0372 MLF 2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,171.33 105.08	528.32
27 14 23 16-0373 MLF 4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,272.36 112.69	528.32
27 14 23 16-0374 MLF 6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,373.23 120.11	528.32
27 14 23 16-0375 MLF 8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,497.85 136.74	528.32
27 14 23 16-0376 MLF 12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,676.32 142.59	528.32
27 14 23 16-0377 MLF 18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,991.84 151.97	528.32
27 14 23 16-0378 MLF 24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,290.73 174.76	528.32
27 14 23 16-0379 MLF 36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,862.75 194.20	528.32
27 14 23 16-0380 MLF 48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,531.82 223.29	528.32
27 14 23 16-0381 MLF 60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,149.79 240.27	528.32
27 14 23 16-0382 MLF 72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,802.03 271.95	528.32
27 14 23 16-0383 MLF 96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,121.21 305.77	528.32
27 14 23 16-0384 MLF 120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,461.56 347.02	528.32
27 14 23 16-0385 MLF 144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,822.60 318.76	528.32
<b>27 14 23 16-0386 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 14 23 16-0339)</small>		
<b>27 14 23 16-0387 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 14 23 16-0386)</small>		
27 14 23 16-0388 MLF 2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,558.79 194.18	528.32
27 14 23 16-0389 MLF 4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,618.44 278.71	528.32
27 14 23 16-0390 MLF 6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,636.35 267.11	528.32
27 14 23 16-0391 MLF 8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,707.81 222.36	528.32
27 14 23 16-0392 MLF 12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,730.11 265.75	528.32
27 14 23 16-0393 MLF 18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,830.26 252.05	528.32
27 14 23 16-0394 MLF 24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,920.05 255.04	528.32
27 14 23 16-0395 MLF 36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,063.30 323.42	528.32
27 14 23 16-0396 MLF 48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,265.11 327.64	528.32
27 14 23 16-0397 MLF 60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,466.15 339.43	528.32
27 14 23 16-0398 MLF 72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,738.69 291.97	528.32
27 14 23 16-0399 MLF 96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,179.55 380.77	528.32
27 14 23 16-0400 MLF 120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,756.31 374.94	528.32
27 14 23 16-0401 MLF 144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,228.29 299.50	528.32
<b>27 14 23 16-0402 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 14 23 16-0386)</small>		
27 14 23 16-0403 MLF 2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,759.90 274.80	528.32
27 14 23 16-0404 MLF 4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,968.75 153.89	528.32
27 14 23 16-0405 MLF 6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,243.55 32.98	528.32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0406 MLF 8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,375.45	528.32
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	54.96	
27 14 23 16-0407 MLF 12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,507.36	528.32
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	54.96	
27 14 23 16-0408 MLF 18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,815.13	528.32
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	65.95	
27 14 23 16-0409 MLF 24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	3,089.93	528.32
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	252.82	
27 14 23 16-0410 MLF 36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	3,683.50	528.32
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	494.64	
27 14 23 16-0411 MLF 48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	4,277.07	528.32
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	824.40	
27 14 23 16-0412 MLF 60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	4,771.71	528.32
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	906.84	
27 14 23 16-0413 MLF 72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	5,420.24	528.32
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,154.16	
27 14 23 16-0414 MLF 96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	6,772.25	528.32
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,703.76	
27 14 23 16-0415 MLF 120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	7,453.76	528.32
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,286.06	
27 14 23 16-0416 MLF 144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	9,201.48	528.32
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,132.72	
<b>27 14 23 16-0417 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 14 23 16-0386)</small>		
27 14 23 16-0418 MLF 2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,239.55	528.32
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	131.90	
27 14 23 16-0419 MLF 4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,338.48	528.32
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	142.59	
27 14 23 16-0420 MLF 6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,437.24	528.32
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	153.26	
27 14 23 16-0421 MLF 8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,536.17	528.32
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	163.92	
27 14 23 16-0422 MLF 12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,792.44	528.32
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	176.31	
27 14 23 16-0423 MLF 18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,043.73	528.32
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	206.61	
27 14 23 16-0424 MLF 24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,351.64	528.32
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	224.41	
27 14 23 16-0425 MLF 36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,947.64	528.32
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	277.27	
27 14 23 16-0426 MLF 48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	3,554.78	528.32
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	317.68	
27 14 23 16-0427 MLF 60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	4,164.02	528.32
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	353.76	
27 14 23 16-0428 MLF 72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	4,804.62	528.32
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	394.49	
27 14 23 16-0429 MLF 96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	6,104.56	528.32
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	465.16	
27 14 23 16-0430 MLF 120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	7,782.42	528.32
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	480.86	
27 14 23 16-0431 MLF 144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	8,765.71	528.32
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	496.40	
<b>27 14 23 16-0432 Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 14 23 16-0338)</small>		
Note: Excludes trenching.		
<b>27 14 23 16-0433 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 14 23 16-0432)</small>		
<b>27 14 23 16-0434 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 14 23 16-0433)</small>		
27 14 23 16-0435 MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench .....	1,310.21	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	245.73	
27 14 23 16-0436 MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench .....	1,340.80	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	247.76	
27 14 23 16-0437 MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench .....	1,371.44	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	249.73	
27 14 23 16-0438 MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench .....	1,402.05	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	252.12	
27 14 23 16-0439 MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench .....	1,462.88	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	228.14	
27 14 23 16-0440 MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench .....	1,587.31	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	254.18	
27 14 23 16-0441 MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench .....	1,651.27	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	200.10	
27 14 23 16-0442 MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench .....	1,671.00	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	233.89	
27 14 23 16-0443 MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench .....	2,037.06	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	257.31	
27 14 23 16-0444 MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench .....	2,496.16	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	257.29	



<b>Communications</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>
<b>Communications Cabling</b>	<b>27 14</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0445 MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,804.80 304.09	
27 14 23 16-0446 MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,961.67 291.96	
27 14 23 16-0447 MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,465.33 354.52	
27 14 23 16-0448 MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,992.47 237.32	
<b>27 14 23 16-0449 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 14 23 16-0433)</small>		
27 14 23 16-0450 MLF 2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,621.15 44.00	
27 14 23 16-0451 MLF 4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,667.35 74.80	
27 14 23 16-0452 MLF 6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,764.15 121.00	
27 14 23 16-0453 MLF 8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,896.15 22.00	
27 14 23 16-0454 MLF 12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,951.15 44.00	
27 14 23 16-0455 MLF 18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,138.15 66.00	
27 14 23 16-0456 MLF 24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,534.15 44.00	
27 14 23 16-0457 MLF 36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,117.15 132.00	
27 14 23 16-0458 MLF 48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,766.15 44.00	
27 14 23 16-0459 MLF 60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,217.15 132.00	
27 14 23 16-0460 MLF 72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,800.15 517.00	
27 14 23 16-0461 MLF 96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,153.15 176.00	
27 14 23 16-0462 MLF 120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,495.15 209.00	
27 14 23 16-0463 MLF 144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,837.15 253.00	
<b>27 14 23 16-0464 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 14 23 16-0433)</small>		
27 14 23 16-0465 MLF 2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,097.94 105.08	
27 14 23 16-0466 MLF 4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,198.97 112.69	
27 14 23 16-0467 MLF 6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,299.84 120.11	
27 14 23 16-0468 MLF 8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,424.46 136.74	
27 14 23 16-0469 MLF 12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,602.93 142.59	
27 14 23 16-0470 MLF 18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,918.45 151.97	
27 14 23 16-0471 MLF 24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,217.34 174.76	
27 14 23 16-0472 MLF 36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,789.36 194.20	
27 14 23 16-0473 MLF 48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,458.43 223.29	
27 14 23 16-0474 MLF 60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,076.40 240.27	
27 14 23 16-0475 MLF 72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,728.64 271.95	
27 14 23 16-0476 MLF 96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,047.82 305.77	
27 14 23 16-0477 MLF 120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,388.17 347.02	
27 14 23 16-0478 MLF 144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,749.21 318.76	
<b>27 14 23 16-0479 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 14 23 16-0432)</small>		
<b>27 14 23 16-0480 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 14 23 16-0479)</small>		
27 14 23 16-0481 MLF 2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,485.40 194.18	
27 14 23 16-0482 MLF 4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,545.05 278.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0483 MLF 6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,562.96	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	267.11	
27 14 23 16-0484 MLF 8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,634.42	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	222.36	
27 14 23 16-0485 MLF 12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,656.72	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	265.75	
27 14 23 16-0486 MLF 18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,756.87	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	252.05	
27 14 23 16-0487 MLF 24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,846.66	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	255.04	
27 14 23 16-0488 MLF 36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,989.91	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	323.42	
27 14 23 16-0489 MLF 48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,191.72	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	327.64	
27 14 23 16-0490 MLF 60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,392.76	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	339.43	
27 14 23 16-0491 MLF 72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,665.30	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	291.97	
27 14 23 16-0492 MLF 96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,106.16	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	380.77	
27 14 23 16-0493 MLF 120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,682.92	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	374.94	
27 14 23 16-0494 MLF 144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,154.90	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	299.50	
<b>27 14 23 16-0495 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench</b>		
<i>(27 14 23 16-0479)</i>		
27 14 23 16-0496 MLF 2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,686.51	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	274.80	
27 14 23 16-0497 MLF 4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,895.36	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	153.89	
27 14 23 16-0498 MLF 6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,170.16	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	32.98	
27 14 23 16-0499 MLF 8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,302.06	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	54.96	
27 14 23 16-0500 MLF 12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,433.97	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	54.96	
27 14 23 16-0501 MLF 18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,741.74	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	65.95	
27 14 23 16-0502 MLF 24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,016.54	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	252.82	
27 14 23 16-0503 MLF 36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,610.11	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	494.64	
27 14 23 16-0504 MLF 48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,203.68	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	824.40	
27 14 23 16-0505 MLF 60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,698.32	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	906.84	
27 14 23 16-0506 MLF 72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,346.85	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,154.16	
27 14 23 16-0507 MLF 96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	6,698.86	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,703.76	
27 14 23 16-0508 MLF 120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,380.37	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,286.06	
27 14 23 16-0509 MLF 144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	9,128.09	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,132.72	
<b>27 14 23 16-0510 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench</b>		
<i>(27 14 23 16-0479)</i>		
27 14 23 16-0511 MLF 2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,166.16	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	131.90	
27 14 23 16-0512 MLF 4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,265.09	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	142.59	
27 14 23 16-0513 MLF 6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,363.85	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	153.26	
27 14 23 16-0514 MLF 8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,462.78	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	163.92	
27 14 23 16-0515 MLF 12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,719.05	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	176.31	
27 14 23 16-0516 MLF 18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,970.34	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	206.61	
27 14 23 16-0517 MLF 24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,278.25	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	224.41	
27 14 23 16-0518 MLF 36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,874.25	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	277.27	
27 14 23 16-0519 MLF 48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,481.39	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	317.68	
27 14 23 16-0520 MLF 60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,090.63	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	353.76	
27 14 23 16-0521 MLF 72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,731.23	
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	394.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0522 MLF 96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,031.17 465.16	
27 14 23 16-0523 MLF 120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,416.13 480.86	
27 14 23 16-0524 MLF 144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,692.32 496.40	
<b>27 14 23 16-0525 (Aerial) Outdoor Fiber Optic Cable, Installed On Poles</b> <small>(27 14 23 16-0338)</small>		
<b>27 14 23 16-0526 Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles</b> <small>(27 14 23 16-0525)</small>		
<b>27 14 23 16-0527 Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles</b> <small>(27 14 23 16-0526)</small>		
27 14 23 16-0528 MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,135.24 164.35	1,981.61
27 14 23 16-0529 MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,165.64 168.61	1,981.61
27 14 23 16-0530 MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,196.44 172.75	1,981.61
27 14 23 16-0531 MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,226.84 169.44	1,981.61
27 14 23 16-0532 MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,287.66 197.54	1,981.61
27 14 23 16-0533 MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,407.76 205.36	1,981.61
27 14 23 16-0534 MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,499.35 226.98	1,981.61
27 14 23 16-0535 MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,717.13 217.64	1,981.61
27 14 23 16-0536 MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,907.57 252.85	1,981.61
27 14 23 16-0537 MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,065.01 242.46	1,981.61
27 14 23 16-0538 MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,261.41 277.21	1,981.61
27 14 23 16-0539 MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,776.85 281.55	1,981.61
27 14 23 16-0540 MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,329.87 335.96	1,981.61
27 14 23 16-0541 MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,462.45 360.75	1,981.61
<b>27 14 23 16-0542 Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 14 23 16-0338)</small> Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
<b>27 14 23 16-0543 Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 14 23 16-0542)</small>		
27 14 23 16-0544 MLF 12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	3,003.91	440.26
27 14 23 16-0545 MLF 24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	3,893.83	440.26
27 14 23 16-0546 MLF 48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	5,876.27	440.26
<b>27 14 23 16-0547 Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 14 23 16-0542)</small>		
27 14 23 16-0548 MLF 12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	4,138.96	440.26
27 14 23 16-0549 MLF 24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	4,644.70	440.26
27 14 23 16-0550 MLF 48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit .....	6,856.90	440.26
<b>27 14 23 16-0551 Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 14 23 16-0338)</small> Note: Singlemode and multimode combination cable. Excludes trenching.		
<b>27 14 23 16-0552 Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 14 23 16-0551)</small>		
27 14 23 16-0553 MLF 12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	2,930.52	403.58
27 14 23 16-0554 MLF 24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	3,820.44	403.58
27 14 23 16-0555 MLF 48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	5,802.88	403.58
<b>27 14 23 16-0556 Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 14 23 16-0551)</small>		
27 14 23 16-0557 MLF 12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench .....	4,065.57	403.58
27 14 23 16-0558 MLF 24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench .....	4,571.31	403.58
27 14 23 16-0559 MLF 48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench .....	6,783.51	403.58

<b>27</b>	<b>Communications</b>
<b>27 10</b>	<b>Structured Cabling</b>
<b>27 14</b>	<b>Communications Cabling</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

### 27 14 33 Communications Coaxial Cabling (27 14)

#### 27 14 33 16 Communications Coaxial Cabling (27 14 33)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 14 33 16-0001	Indoor Coaxial Cable (27 14 33 16)		
27 14 33 16-0002	Coaxial, Indoor Telecommunications Cable (27 14 33 16-0001)		
27 14 33 16-0003	Coaxial, Indoor Telecommunications Cable, Installed In Conduit (27 14 33 16-0002)		
27 14 33 16-0004	MLF RG 59/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9108)	984.00	308.19
27 14 33 16-0005	MLF RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82108)	2,325.60	308.19
27 14 33 16-0006	MLF RG 6/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9114)	813.51	352.21
27 14 33 16-0007	MLF RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82120)	2,927.46	352.21
27 14 33 16-0008	Coaxial, Indoor Telecommunications Cable, Installed Exposed (27 14 33 16-0002)		
27 14 33 16-0009	MLF RG 59/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9108)	1,497.64	616.37
	<i>For Work In Restricted Working Space, Add</i>	308.19	
27 14 33 16-0010	MLF RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82108)	2,839.24	616.37
	<i>For Work In Restricted Working Space, Add</i>	308.19	
27 14 33 16-0011	MLF RG 6/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9114)	1,400.54	704.43
	<i>For Work In Restricted Working Space, Add</i>	352.22	
27 14 33 16-0012	MLF RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82120)	3,514.49	704.43
	<i>For Work In Restricted Working Space, Add</i>	352.22	
27 14 33 16-0013	Coaxial Distribution Cable (27 14 33 16-0001)		
	Note: Cables shall be as Belden, Times Fiber, West Penn or approved equal		
27 14 33 16-0014	MLF RG-6/U Coaxial Distribution Cable, In Conduit	1,621.95	214.66
27 14 33 16-0015	MLF RG-6A/U Coaxial Distribution Cable, In Conduit	6,134.92	214.66
27 14 33 16-0016	MLF RG-8/U Coaxial Distribution Cable, In Conduit	3,206.02	226.74
27 14 33 16-0017	MLF RG-8A/U Coaxial Distribution Cable, In Conduit	4,053.75	226.74
27 14 33 16-0018	MLF RG-11/U Coaxial Distribution Cable, In Conduit	3,589.97	268.34
27 14 33 16-0019	MLF RG-11A/U Coaxial Distribution Cable, In Conduit	5,229.41	268.34
27 14 33 16-0020	MLF RG-11/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed	11,359.04	375.67
27 14 33 16-0021	MLF RG-58/U Coaxial Distribution Cable, In Conduit	1,189.34	187.84
27 14 33 16-0022	MLF RG-58A/U Coaxial Distribution Cable, In Conduit	1,357.32	187.84
27 14 33 16-0023	MLF RG-58C/U Coaxial Distribution Cable, In Conduit	1,653.24	187.84
27 14 33 16-0024	MLF RG-58/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed	4,055.70	375.67
27 14 33 16-0025	MLF RG-59/U Coaxial Distribution Cable, In Conduit	1,974.14	187.84
27 14 33 16-0026	MLF RG-59/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed	4,936.16	375.67
27 14 33 16-0027	MLF 1/2" Hard Line Coaxial, In Conduit	1,627.45	268.34
27 14 33 16-0028	Outdoor Coaxial Cable (27 14 33 16)		
27 14 33 16-0029	Coaxial Cables "Television" Copper Covered Aluminum Center Core (27 14 33 16-0028)		
	Note: Corrugated steel armor jacket.		
27 14 33 16-0030	MLF TV Coaxial Trunk Cable 3/4" Diameter, Direct Burial	4,378.82	1,004.38
27 14 33 16-0031	MLF TV Coaxial Distribution Cable 1/2" Diameter, Direct Burial	2,724.32	706.46
27 14 33 16-0032	MLF TV Coaxial Distribution Cable 3/8" Diameter, Direct Burial	2,391.41	416.79
27 14 33 16-0033	MLF TV Coaxial Cable Drop 1/4" Diameter, Direct Burial	1,214.70	416.79
27 14 33 16-0034	MLF TV Coaxial Cable Drop 1/4" Diameter, Placed In Conduit	1,800.85	651.25
27 14 43 Communications Faceplates And Connectors (27 14)			
27 14 43 00-0001	Wall Mounted Telephone Faceplates (27 14 43)		
	Note: Includes standard telephone mounting studs.		
27 14 43 00-0002	Plastic Faceplates For Wall Mounted Telephones (27 14 43 00-0001)		
27 14 43 00-0003	EA Single Gang, 6-Position RJ25 Jack, Flush, Plastic Faceplate For Wall Mounted Telephones	25.67	9.17
27 14 43 00-0004	Stainless Steel Faceplates For Wall Mounted Telephones (27 14 43 00-0001)		
27 14 43 00-0005	EA Single Gang, Keystone Opening, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	22.78	3.67
	Note: Requires one snap-in modular jack.		
27 14 43 00-0006	EA Single Gang, 6-Position RJ25 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	39.21	9.17
27 14 43 00-0007	EA Single Gang, 8-Position RJ45 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	45.58	11.01
27 14 43 00-0008	EA Single Gang, Keystone Opening, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	21.88	3.67
	Note: Requires one snap-in modular jack.		
27 14 43 00-0009	EA Single Gang, 6-Position RJ25 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	35.40	9.17
27 14 43 00-0010	EA Single Gang, 8-Position RJ45 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	41.87	11.01
27 14 43 00-0011	Plastic Communications Faceplates (27 14 43)		
	Note: Excludes modular jacks. See CSI section 27 14 43 00-0051 for modular jacks.		
27 14 43 00-0012	EA One Port, Single Gang, Plastic Communication Faceplate With Station ID	6.16	1.84
27 14 43 00-0013	EA Two Port, Single Gang, Plastic Communication Faceplate With Station ID	6.16	1.84



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 43 00-0014 EA Three Port, Single Gang, Plastic Communication Faceplate With Station ID .....	6.16	1.84
27 14 43 00-0015 EA Four Port, Single Gang, Plastic Communication Faceplate With Station ID .....	6.16	1.84
27 14 43 00-0016 EA Six Port, Single Gang, Plastic Communication Faceplate With Station ID .....	6.16	1.84
27 14 43 00-0017 EA Four Port, Double Gang, Plastic Communications Faceplate With Station ID .....	9.82	1.84
27 14 43 00-0018 EA Six Port, Double Gang, Plastic Communication Faceplate With Station ID .....	9.82	1.84
27 14 43 00-0019 EA Eight Port, Double Gang, Plastic Communication Faceplate With Station ID .....	9.82	1.84
27 14 43 00-0020 EA Nine Port, Double Gang, Plastic Communication Faceplate With Station ID .....	9.82	1.84
27 14 43 00-0021 EA Twelve Port, Double Gang, Plastic Communication Faceplate With Station ID .....	9.82	1.84
<b>27 14 43 00-0022 Stainless Steel Communications Faceplates</b> <small>(27 14 43)</small>		
Note: Excludes modular jacks. See CSI section 27 14 43 00-0051 for modular jacks.		
<b>27 14 43 00-0023 Stainless Steel Communications Faceplates</b> <small>(27 14 43 00-0022)</small>		
27 14 43 00-0024 EA One Port, Single Gang, Stainless Steel Communications Faceplate .....	12.17	1.84
27 14 43 00-0025 EA Two Port, Single Gang, Stainless Steel Communications Faceplate .....	12.17	1.84
27 14 43 00-0026 EA Three Port, Single Gang, Stainless Steel Communications Faceplate .....	12.17	1.84
27 14 43 00-0027 EA Four Port, Single Gang, Stainless Steel Communications Faceplate .....	13.06	1.84
27 14 43 00-0028 EA Six Port, Single Gang, Stainless Steel Communications Faceplate .....	13.06	1.84
27 14 43 00-0029 EA Four Port, Double Gang, Stainless Steel Communications Faceplate .....	17.80	1.84
27 14 43 00-0030 EA Six Port, Double Gang, Stainless Steel Communications Faceplate .....	18.35	1.84
27 14 43 00-0031 EA Eight Port, Double Gang, Stainless Steel Communications Faceplate .....	21.33	1.84
27 14 43 00-0032 EA Nine Port, Double Gang, Stainless Steel Communication Faceplate .....	21.33	1.84
27 14 43 00-0033 EA Twelve Port, Double Gang, Stainless Steel Communications Faceplate .....	21.33	1.84
<b>27 14 43 00-0034 Stainless Steel Communications Faceplates With Station ID</b> <small>(27 14 43 00-0022)</small>		
27 14 43 00-0035 EA One Port, Single Gang, Stainless Steel Communications Faceplate With Station ID .....	17.69	1.84
27 14 43 00-0036 EA Two Port, Single Gang, Stainless Steel Communications Faceplate With Station ID .....	17.69	1.84
27 14 43 00-0037 EA Three Port, Single Gang, Stainless Steel Communications Faceplate With Station ID .....	17.69	1.84
27 14 43 00-0038 EA Four Port, Single Gang, Stainless Steel Communications Faceplate With Station ID .....	17.69	1.84
27 14 43 00-0039 EA Six Port, Single Gang, Stainless Steel Communications Faceplate With Station ID .....	17.69	1.84
27 14 43 00-0040 EA Four Port, Double Gang, Stainless Steel Communications Faceplate With Station ID .....	38.75	1.84
27 14 43 00-0041 EA Six Port, Double Gang, Stainless Steel Communications Faceplate With Station ID .....	38.75	1.84
27 14 43 00-0042 EA Eight Port, Double Gang, Stainless Steel Communications Faceplate With Station ID .....	38.75	1.84
27 14 43 00-0043 EA Nine Port, Double Gang, Stainless Steel Communication Faceplate With Station ID .....	38.75	1.84
27 14 43 00-0044 EA Twelve Port, Double Gang, Stainless Steel Communications Faceplate With Station ID .....	38.75	1.84
<b>27 14 43 00-0045 Surface Mount Plastic Communication Boxes</b> <small>(27 14 43)</small>		
Note: Excludes modular jacks. See CSI section 27 14 43 00-0051 for modular jacks.		
27 14 43 00-0046 EA One Port, Surface Mount Plastic Communication Box With Station ID .....	21.52	9.19
27 14 43 00-0047 EA Two Port, Surface Mount Plastic Communication Box With Station ID .....	22.07	9.19
27 14 43 00-0048 EA Four Port, Surface Mount Plastic Communication Box With Station ID .....	25.88	9.19
27 14 43 00-0049 EA Six Port, Surface Mount Plastic Communication Box With Station ID .....	30.40	9.19
27 14 43 00-0050 EA Twelve Port, Surface Mount Plastic Communication Box With Station ID .....	35.15	9.19
<b>27 14 43 00-0051 Snap-In Modular Jacks</b> <small>(27 14 43)</small>		
Note: Includes termination.		
27 14 43 00-0052 EA Cat 3, Snap-In Modular Jack .....	20.99	7.35
27 14 43 00-0053 EA Cat 5E, Snap-In Modular Jack .....	22.20	7.35
27 14 43 00-0054 EA Cat 5E Shielded, Snap-In Modular Jack .....	25.84	7.35
27 14 43 00-0055 EA Cat 6, Snap-In Modular Jack .....	25.84	7.35
27 14 43 00-0056 EA Cat 6 Shielded, Snap-In Modular Jack .....	29.92	7.35
27 14 43 00-0057 EA Cat 6A, Snap-In Modular Jack .....	30.54	7.35
27 14 43 00-0058 EA Voice, RJ-11, Snap-In Modular Jack .....	14.39	3.68
27 14 43 00-0059 EA SC Type Fiber Optic, Snap-In Modular Jack .....	23.74	7.35
27 14 43 00-0060 EA ST Type Fiber Optic, Snap-In Modular Jack .....	26.83	7.35
27 14 43 00-0061 EA LC Type Fiber Optic, Snap-In Modular Jack .....	32.90	7.35
27 14 43 00-0062 EA Blank Fill In, Snap-In Modular Jack .....	4.25	1.84
27 14 43 00-0063 EA Open Cable Pass Through Insert, Snap-In Modular Jack .....	4.92	1.84
27 14 43 00-0064 EA Coaxial F-Type Coupler, Snap-In Modular Jack .....	17.76	5.51
Note: Includes female to female connection.		
<i>For Gold Bulkhead, Add</i> <span style="float: right;">1.18</span>		
27 14 43 00-0065 EA RCA Jack Pass-Through Coupler, Snap-In Modular Jack .....	17.98	5.51
Note: Includes female to female connection.		
27 14 43 00-0066 EA RCA Solder Coupler, Snap-In Modular Jack .....	34.59	7.35
27 14 43 00-0067 EA RCA Jack With 110 Punch Down, Snap-In Modular Jack .....	43.53	7.35
27 14 43 00-0068 EA 3.5 m Mini Stereo Jack, Snap-In Modular Jack .....	21.87	7.35
27 14 43 00-0069 EA MT-RJ Pass-Through Coupler, Snap-In Modular Jack .....	24.42	3.68
27 14 43 00-0070 EA BNC Connector, Snap-In Modular Jack .....	25.51	7.35
27 14 43 00-0071 EA S-Video With 110 Punch Down, Snap-In Modular Jack .....	28.82	7.35
27 14 43 00-0072 PR Speaker Connectors, Snap-In Modular Jack .....	37.03	11.03
Note: Includes a pair of binding posts, banana jacks or spring clip connectors. Requires two open ports.		
27 14 43 00-0073 EA USB Audio Video Connector, Snap-In Modular Jack .....	44.04	7.35
<b>27 14 43 00-0074 Communications Equipment Labeling</b> <small>(27 14 43)</small>		
27 14 43 00-0075 EA Label Both Ends Of One 4 Pair Cable .....	14.45	
27 14 43 00-0076 EA Label single gang face plate (2 labels required) .....	11.56	



<b>27</b>	<b>Communications</b>
<b>27 10</b>	<b>Structured Cabling</b>
<b>27 14</b>	<b>Communications Cabling</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 43 00-0077 EA Label two gang face plate (4 labels required) .....	17.33	
27 14 43 00-0078 EA Label both ends of a Siamese (dual 4 Pair cable).....	14.45	
<b>27 14 53 Communications Cable Innerduct (27 14)</b>		
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
<b>27 14 53 00-0001 Indoor Innerduct (27 14 53)</b>		
<b>27 14 53 00-0002 Indoor Innerduct, Installed In Conduit (27 14 53 00-0001)</b>		
<b>27 14 53 00-0003 Riser Rated, Indoor Innerduct, Installed In Conduit (27 14 53 00-0002)</b>		
27 14 53 00-0004 MLF 1" Riser Rated, Indoor Innerduct, Installed In Conduit .....	2,871.87	1,100.66
27 14 53 00-0005 MLF 1-1/4" Riser Rated, Indoor Innerduct, Installed In Conduit .....	3,719.79	1,467.55
27 14 53 00-0006 MLF 1-1/2" Riser Rated, Indoor Innerduct, Installed In Conduit .....	4,938.63	1,834.44
27 14 53 00-0007 MLF 2" Riser Rated, Indoor Innerduct, Installed In Conduit .....	5,772.28	2,201.33
<b>27 14 53 00-0008 Plenum Rated, Indoor Innerduct, Installed In Conduit (27 14 53 00-0002)</b>		
27 14 53 00-0009 MLF 1" Plenum Rated, Indoor Innerduct, Installed In Conduit .....	4,668.83	1,100.66
27 14 53 00-0010 MLF 1-1/4" Plenum Rated, Indoor Innerduct, Installed In Conduit .....	5,906.61	1,467.55
27 14 53 00-0011 MLF 1-1/2" Plenum Rated, Indoor Innerduct, Installed In Conduit .....	7,585.38	1,834.44
27 14 53 00-0012 MLF 2" Plenum Rated, Indoor Innerduct, Installed In Conduit .....	9,127.66	2,201.33
<b>27 14 53 00-0013 Indoor Innerduct, Installed Exposed (27 14 53 00-0001)</b>		
<b>27 14 53 00-0014 Riser Rated, Indoor Innerduct, Installed Exposed (27 14 53 00-0013)</b>		
27 14 53 00-0015 MLF 1" Riser Rated, Indoor Innerduct, Installed Exposed .....	3,605.65	1,467.55
<i>For Work In Restricted Working Space, Add</i>	<i>880.53</i>	
27 14 53 00-0016 MLF 1-1/4" Riser Rated, Indoor Innerduct, Installed Exposed .....	4,453.56	1,834.44
<i>For Work In Restricted Working Space, Add</i>	<i>1,100.66</i>	
27 14 53 00-0017 MLF 1-1/2" Riser Rated, Indoor Innerduct, Installed Exposed .....	5,672.41	2,201.33
<i>For Work In Restricted Working Space, Add</i>	<i>1,320.80</i>	
27 14 53 00-0018 MLF 2" Riser Rated, Indoor Innerduct, Installed Exposed .....	6,506.05	2,568.22
<i>For Work In Restricted Working Space, Add</i>	<i>1,540.93</i>	
<b>27 14 53 00-0019 Plenum Rated, Indoor Innerduct, Installed Exposed (27 14 53 00-0013)</b>		
27 14 53 00-0020 MLF 1" Plenum Rated, Indoor Innerduct, Installed Exposed.....	5,402.61	1,467.55
<i>For Work In Restricted Working Space, Add</i>	<i>880.53</i>	
27 14 53 00-0021 MLF 1-1/4" Plenum Rated, Indoor Innerduct, Installed Exposed.....	6,640.38	1,834.44
<i>For Work In Restricted Working Space, Add</i>	<i>1,100.66</i>	
27 14 53 00-0022 MLF 1-1/2" Plenum Rated, Indoor Innerduct, Installed Exposed.....	8,319.16	2,201.33
<i>For Work In Restricted Working Space, Add</i>	<i>1,320.80</i>	
27 14 53 00-0023 MLF 2" Plenum Rated, Indoor Innerduct, Installed Exposed.....	9,861.43	2,568.22
<i>For Work In Restricted Working Space, Add</i>	<i>1,540.93</i>	
<b>27 14 53 00-0024 Outdoor Innerduct (27 14 53)</b>		
<b>27 14 53 00-0025 Outdoor Innerduct, Installed In Conduit (27 14 53 00-0024)</b>		
27 14 53 00-0026 MLF 1" Outdoor Innerduct, Installed In Conduit .....	2,700.67	1,100.66
27 14 53 00-0027 MLF 1-1/4" Outdoor Innerduct, Installed In Conduit.....	3,467.33	1,467.55
27 14 53 00-0028 MLF 1-1/2" Outdoor Innerduct, Installed In Conduit.....	4,428.16	1,834.44
27 14 53 00-0029 MLF 2" Outdoor Innerduct, Installed In Conduit .....	5,289.21	2,201.33
<b>27 14 53 00-0030 Outdoor Innerduct, Buried In Trench (27 14 53 00-0024)</b>		
27 14 53 00-0031 MLF 1" Outdoor Innerduct, Buried In Trench .....	1,966.89	
27 14 53 00-0032 MLF 1-1/4" Outdoor Innerduct, Buried In Trench .....	2,733.55	
27 14 53 00-0033 MLF 1-1/2" Outdoor Innerduct, Buried In Trench .....	3,694.39	
27 14 53 00-0034 MLF 2" Outdoor Innerduct, Buried In Trench .....	4,555.43	
<b>27 14 63 Communications Multimedia Modular Patch Panels (27 14)</b>		
<b>27 14 63 00-0001 Communications Multimedia Modular Patch Panels (27 14 63)</b>		
Note: Unloaded multimedia patch panels that accept modular jacks for category 3, 5e, 6, fiber optic, etc. Excludes rack, modular jacks and terminations. See CSI section 27 14 43 00-0051 for modular jacks.		
27 14 63 00-0002 EA 12 Port, Wall Mount Multimedia Modular Patch Panel, Unloaded.....	79.71	3.67
27 14 63 00-0003 EA 16 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	88.11	3.67
27 14 63 00-0004 EA 24 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	104.36	3.67
27 14 63 00-0005 EA 36 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	109.35	3.67
27 14 63 00-0006 EA 48 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	119.40	4.58
27 14 63 00-0007 EA 24 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded .....	113.49	3.67
27 14 63 00-0008 EA 48 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded .....	142.43	4.58
27 14 63 00-0009 EA Rack Mount Rear Cable Management Bar .....	38.16	4.58

## 27 16 Communications Connecting Cords, Devices, And Adapters (27 10)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>27 16 16 Communications Media Converters, Adapters, and Transceivers (27 16)</b>		
<b>27 16 16 00-0001 Fiber Optic Receivers (27 16 16)</b>		
27 16 16 00-0002 EA Fiber Optic Receiver, Range 6.2 Miles .....	632.87	36.69
<b>27 16 16 00-0003 Fiber Optic Transmitters (27 16 16)</b>		
27 16 16 00-0004 EA Fiber Optic Transmitter, Range 6.2 Miles .....	632.86	36.69
<b>27 16 16 00-0005 Fiber Optic Repeaters (27 16 16)</b>		
Note: Consist of transmitter and receiver, back-to-back. Excludes power source.		
27 16 16 00-0006 EA Fiber Optic Repeater, 6.2 Miles Transmitter And Receiver Back-Back, No Power .....	706.23	73.38
27 16 16 00-0007 EA Fiber Optic Digital Repeater, 2,000 Miles Transmitter And Receiver Back-Back, No Power .....	1,100.41	146.75
<b>27 16 16 00-0008 Fiber Optic Transceivers (27 16 16)</b>		
27 16 16 00-0009 EA Fiber Optic Transceivers, 3,000 Miles Range .....	720.89	146.75
27 16 16 00-0010 EA Fiber Optic Transceivers, Digital 2,000 Miles Range .....	720.89	146.75
27 16 16 00-0011 EA Fiber Optic Ethernet Transceiver .....	950.27	220.14
27 16 16 00-0012 EA Transceiver (Low Cost Bi- Directional) .....	352.29	55.03
<b>27 16 19 Communications Patch Cords, Station Cords, And Cross Connect Wire (27 16)</b>		
<b>27 16 19 00-0001 Cross Connect Wire (27 16 19)</b>		
Note: Up to 20' length.		
27 16 19 00-0002 EA 2-Pair Cross Connect Wire .....	12.70	
27 16 19 00-0003 EA 3-Pair Cross Connect Wire .....	17.10	
27 16 19 00-0004 EA 4-Pair Cross Connect Wire .....	21.39	
<b>27 16 19 00-0005 Fiber Optic Patch Cords (27 16 19)</b>		
<b>27 16 19 00-0006 Simplex Fiber Optic Patch Cables (27 16 19 00-0005)</b>		
<b>27 16 19 00-0007 Singlemode, Simplex Fiber Optic Patch Cables (27 16 19 00-0006)</b>		
27 16 19 00-0008 EA ST To ST Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable .....	31.81	
<i>For Each Additional Meter In Length, Add</i>		
	<i>0.26</i>	
27 16 19 00-0009 EA ST To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable .....	25.90	
<i>For Each Additional Meter In Length, Add</i>		
	<i>0.26</i>	
27 16 19 00-0010 EA ST To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable .....	33.58	
<i>For Each Additional Meter In Length, Add</i>		
	<i>0.26</i>	
27 16 19 00-0011 EA SC To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable .....	27.25	
<i>For Each Additional Meter In Length, Add</i>		
	<i>0.26</i>	
27 16 19 00-0012 EA SC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable .....	31.56	
<i>For Each Additional Meter In Length, Add</i>		
	<i>0.26</i>	
27 16 19 00-0013 EA LC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable .....	31.09	
<i>For Each Additional Meter In Length, Add</i>		
	<i>0.26</i>	
<b>27 16 19 00-0014 Duplex Fiber Optic Patch Cables (27 16 19 00-0005)</b>		
<b>27 16 19 00-0015 Singlemode, Duplex Fiber Optic Patch Cables (27 16 19 00-0014)</b>		
27 16 19 00-0016 EA ST To ST Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable .....	55.57	
<i>For Each Additional Meter In Length, Add</i>		
	<i>0.51</i>	
27 16 19 00-0017 EA ST To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable .....	53.90	
<i>For Each Additional Meter In Length, Add</i>		
	<i>0.51</i>	
27 16 19 00-0018 EA ST To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable .....	59.82	
<i>For Each Additional Meter In Length, Add</i>		
	<i>0.51</i>	
27 16 19 00-0019 EA SC To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable .....	46.46	
<i>For Each Additional Meter In Length, Add</i>		
	<i>0.51</i>	
27 16 19 00-0020 EA SC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable .....	55.08	
<i>For Each Additional Meter In Length, Add</i>		
	<i>0.51</i>	
27 16 19 00-0021 EA LC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable .....	54.13	
<i>For Each Additional Meter In Length, Add</i>		
	<i>0.51</i>	
<b>27 16 19 00-0022 Multimode, Duplex Fiber Optic Patch Cables (27 16 19 00-0014)</b>		
27 16 19 00-0023 EA ST To ST Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable .....	41.91	
<i>For Each Additional Meter In Length, Add</i>		
	<i>1.48</i>	
27 16 19 00-0024 EA ST To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable .....	45.77	
<i>For Each Additional Meter In Length, Add</i>		
	<i>1.48</i>	
27 16 19 00-0025 EA ST To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable .....	46.16	
<i>For Each Additional Meter In Length, Add</i>		
	<i>1.48</i>	
27 16 19 00-0026 EA ST To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable .....	47.41	
<i>For Each Additional Meter In Length, Add</i>		
	<i>1.48</i>	
27 16 19 00-0027 EA SC To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable .....	42.07	
<i>For Each Additional Meter In Length, Add</i>		
	<i>1.48</i>	
27 16 19 00-0028 EA SC To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable .....	47.62	
<i>For Each Additional Meter In Length, Add</i>		
	<i>1.48</i>	

**27 Communications****27 10 Structured Cabling****27 16 Communications Connecting Cords, Devices, And Adapters**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 19 00-0029 EA SC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable .....	56.00	
For Each Additional Meter In Length, Add	1.48	
27 16 19 00-0030 EA MTRJ To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	38.51	
For Each Additional Meter In Length, Add	1.48	
27 16 19 00-0031 EA LC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	46.90	
For Each Additional Meter In Length, Add	1.48	
<b>27 16 19 00-0032 Fiber Optic Cable Pig Tail (27 16 19)</b>		
27 16 19 00-0033 EA Simplex Fiber Optic Cable Pig Tail .....	50.24	25.68
27 16 19 00-0034 EA Duplex Fiber Optic Cable Pig Tail.....	64.26	25.68
<b>27 16 19 00-0035 Ethernet Patch Cords (27 16 19)</b>		
27 16 19 00-0036 EA 3' Category 5E Patch Cables With Boots.....	10.80	
27 16 19 00-0037 EA 5' Category 5E Patch Cables With Boots.....	11.85	
27 16 19 00-0038 EA 7' Category 5E Patch Cables With Boots.....	12.92	
27 16 19 00-0039 EA 10' Category 5E Patch Cables With Boots.....	18.75	
27 16 19 00-0040 EA 15' Category 5E Patch Cables With Boots.....	23.46	
27 16 19 00-0041 EA 25' Category 5E Patch Cables With Boots.....	31.50	
27 16 19 00-0042 EA 3' Category 6 Patch Cables With Boots .....	12.05	
27 16 19 00-0043 EA 5' Category 6 Patch Cables With Boots .....	14.73	
27 16 19 00-0044 EA 7' Category 6 Patch Cables With Boots .....	14.78	
27 16 19 00-0045 EA 10' Category 6 Patch Cables With Boots .....	17.48	
27 16 19 00-0046 EA 15' Category 6 Patch Cables With Boots .....	23.06	
27 16 19 00-0047 EA 25' Category 6 Patch Cables With Boots .....	29.32	
27 16 19 00-0048 EA 50' Category 6 Patch Cables With Boots .....	46.94	
27 16 19 00-0049 EA 100' Category 6 Patch Cables With Boots .....	82.25	
27 16 19 00-0050 EA 3' Category 6A Patch Cables With Boots.....	22.94	
27 16 19 00-0051 EA 5' Category 6A Patch Cables With Boots.....	24.54	
27 16 19 00-0052 EA 7' Category 6A Patch Cables With Boots.....	25.73	
27 16 19 00-0053 EA 10' Category 6A Patch Cables With Boots.....	29.34	
27 16 19 00-0054 EA 15' Category 6A Patch Cables With Boots.....	35.53	
27 16 19 00-0055 EA 25' Category 6A Patch Cables With Boots.....	45.79	
27 16 19 00-0056 EA 50' Category 6A Patch Cables With Boots.....	68.82	
27 16 19 00-0057 EA 100' Category 6A Patch Cables With Boots.....	122.06	
27 16 19 00-0058 EA 3' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E03-06) .....	10.80	
27 16 19 00-0059 EA 5' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E05-06) .....	11.85	
27 16 19 00-0060 EA 7' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E07-06) .....	12.92	
27 16 19 00-0061 EA 10' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E10-06) .....	18.75	
27 16 19 00-0062 EA 15' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E15-06) .....	23.46	
27 16 19 00-0063 EA 25' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E25-06) .....	31.50	
27 16 19 00-0064 EA 3' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC603-06) .....	12.05	
27 16 19 00-0065 EA 5' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC605-06) .....	14.73	
27 16 19 00-0066 EA 7' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC607-06) .....	14.78	
27 16 19 00-0067 EA 10' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC610-06) .....	17.48	
27 16 19 00-0068 EA 15' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC615-06) .....	23.06	
27 16 19 00-0069 EA 25' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC625-06) .....	29.32	
27 16 19 00-0070 EA 3' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A03-09) .....	22.94	
27 16 19 00-0071 EA 5' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A05-09) .....	24.54	
27 16 19 00-0072 EA 7' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A07-09) .....	25.73	
27 16 19 00-0073 EA 10' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A10-09) .....	29.34	
27 16 19 00-0074 EA 15' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A15-09) .....	35.53	
27 16 19 00-0075 EA 25' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A25-09) .....	45.79	

**27 20 Data Communications (27)****27 21 Data Communications Network Equipment (27 20)**

Note: Includes testing of new devices and certification.

**27 21 16 Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems****27 21 16 00-0001**

(27 21)

**Fiber Optic Modems (27 21 16)**

27 21 16 00-0002 EA Fiber Optic Modems, Range 6.2 Miles.....	1,225.98	146.75
27 21 16 00-0003 EA Fiber Optic Modem, Range 3.1 Miles, 12 Channel .....	2,391.57	146.75

**27 21 16 00-0004 Ethernet Hubs and Switches (27 21 16)**

27 21 16 00-0005 EA 16 Port Managed Hub With Fiberport And Standard Management.....	2,316.87	110.27
27 21 16 00-0006 EA 16 Port Unmanaged Hub .....	402.71	73.51
27 21 16 00-0007 EA 12 Port, Industrial Ethernet Switch (Cisco IE-4000-4GC4GP4G-E) .....	4,761.02	73.51
27 21 16 00-0008 EA Power Supply (Cisco PWR-IE170W-PC-AC).....	857.26	36.76

**27 21 26 Data Communications Network Management (27 21)****27 21 26 00-0001 Data Communications Network Management (27 21 26)**

27 21 26 00-0002 EA 3 Port, Terminal/Serial Device Server (Comtrol 99560-9).....	513.15	18.35
27 21 26 00-0003 EA 2 Port, Terminal/Serial Device Server (Comtrol 99550-0).....	396.45	18.35



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 26 00-0004	EA		4 Port, DB9 Terminal/Serial Device Server (Comtrol 99445-9).....	538.00	18.35
27 21 26 00-0005	EA		4 Port, DB9 Terminal/Serial Device Server (Comtrol 99448-0).....	850.58	18.35
27 21 26 00-0006	EA		24 Watt, Din Rail Mountable, Power Adapter (Comtrol PS1020).....	89.90	
27 21 26 00-0007	EA		Remote Data Port, Spectra Positioning System (Pelco IPS_RDPE_2) .....	292.75	11.01
27 21 26 00-0008	EA		Sennetech Code Translator (Pelco SCT_100_AD232).....	595.91	18.35
27 21 26 00-0009	EA		VPN Router (Cisco 819HG).....	2,918.54	235.25
27 21 26 00-0010	EA		Cisco Catalyst 3000 Series Switches (Cisco IE-3000 - 8TC).....	2,005.48	235.25
27 21 26 00-0011	EA		WS-C4507R+E Chassis, Two WS-X4648-RJ45V+E, Sup7L-E, LAN Base (Cisco WS-C4507RE+96V+).....	19,453.55	88.05
27 21 26 00-0012	EA		SMARTnet Extended Service Agreement, SNTC-8X5XNBD WS-C4507R+E Chassis,2 WS-X4648-RJ45V+E (Cisco CON-SNT-C4507REV).....	1,522.61	
27 21 26 00-0013	EA		Sup8-E And WS-X4748-RJ45V+E Upgrade For Bundle (Cisco C4500E-S7L-S8) .....	9,551.23	88.05
27 21 26 00-0014	EA		Catalyst 4500 E-Series Redundant Supervisor 8-E (Cisco WS-X45-SUP8-E/2) .....	16,789.74	88.05
27 21 26 00-0015	EA		Catalyst 4500 2GB SD Memory Card (Cisco SD-X45-2GB-E) .....	409.52	7.35
27 21 26 00-0016	EA		Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV).....	2,516.38	9.17
27 21 26 00-0017	EA		Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV/2).....	2,516.38	9.17
27 21 26 00-0018	EA		13', NEMA 6-20 To IEC-C19 Power Cable (Cisco CAB-US620P-C19-US) .....	52.65	3.68
27 21 26 00-0019	EA		1000BASE-SX SFP Transceiver Module, MMF, 850nm, DOM (Cisco GLC-SX-MMD-).....	491.41	36.69
27 21 26 00-0020	EA		Cisco Catalyst 3850 24 Port Data IP Base (Cisco WS-C3850-24TS).....	5,245.08	88.05
27 21 26 00-0021	EA		SMARTnet Extended Service Agreement, 8X5XNBD Cisco Catalyst 3850 24 Port Data IP Base (Cisco CON-SNT-WSC384TS).....	1,282.43	
27 21 26 00-0022	EA		North America AC Type A Power Cable (Cisco CAB-TA-NA).....	52.65	3.68
27 21 26 00-0023	EA		350 Watt AC Power Supply (Cisco PWR-C1-350WAC) .....	436.38	9.17
27 21 26 00-0024	EA		Cisco Catalyst 3850 4x1GE Network Module (Cisco C3850-NM-4-1G) .....	423.95	9.19
27 21 26 00-0025	EA		1", Catalyst 3750X and 3850 Stack Power Cable (Cisco CAB-SPWR-30CM) .....	96.84	3.68
27 21 26 00-0026	EA		Rack Mount Switch 16 100 SFP 8 10/100 PoE 2 Geuplinks (Cisco IE-3010-16S-8PC) .....	4,362.96	88.05
27 21 26 00-0027	EA		SMARTnet Extended Service Agreement, 8X5XNBD IA Rack Mount Switch 16 100 SFP 8 10/10 (Cisco CON-SNT-301016S8).....	847.40	
27 21 26 00-0028	EA		IE 3010 Power Supply (Cisco PWR-RGD-AC-DC/IA).....	602.92	9.17
27 21 26 00-0029	EA		IE 3010 AC-DC Redundant Power Supply (Cisco PWR-RGD-AC-DC/IA) .....	761.52	9.17
27 21 26 00-0030	EA		4 Ethernet 10/100 Ports And 2 Dual-Purpose Uplinks, Industrial Ethernet Switch (Cisco IE-3000-4TC).....	1,581.61	88.05
27 21 26 00-0031	EA		Expansion Power Module For Cisco IE-3000-4TC (Cisco PWR-IE50W-AC-IEC).....	346.91	9.19
27 21 26 00-0032	EA		4 Port, Expansion SFP Module for IE-3000-4TC (Cisco IEM-3000-4SM) .....	1,395.98	9.19
27 21 26 00-0033	EA		Router (CISCO IR829).....	2,351.77	36.76

**27 21 33 Data Communications Wireless Access Points (27 21)**

**27 21 33 00-0001 Data Communications Wireless Access Points (27 21 33)**

27 21 33 00-0002	EA		Base Station Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-BSU) .....	4,198.42	110.07
27 21 33 00-0003	EA		Base Station Unit, 300 Mbps, MIMO 2x2, 23 dBi, 10" Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1) .....	8,475.95	110.07
27 21 33 00-0004	EA		Base Station Unit, 300 Mbps, MIMO 2x2, 16 dBi, 90 Degree Sector Antenna US PoE (Proxim Wireless MP-8250-BS9) .....	7,182.87	110.07
27 21 33 00-0005	EA		Subscriber Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-SUA) .....	1,343.29	110.07
27 21 33 00-0006	EA		Subscriber Unit, 300 Mbps, MIMO 2x2, 23 dBi, Panel Antenna US PoE (Proxim Wireless MP-8250-SUR) .....	1,579.42	123.68
27 21 33 00-0007	EA		Base Station Unit, 300 Mbps, MIMO 3x3, GPS Sync Ready, Type-N Connectors - US PoE (Proxim Wireless MP-8200-BSU-G).....	2,165.51	123.68
27 21 33 00-0008	EA		Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 23 dBi, 10" Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1-G) .....	3,231.39	123.68
27 21 33 00-0009	EA		Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 16 dBi, 90" Sector Antenna - US PoE (Proxim Wireless MP-8250-BS9-G) .....	3,231.39	123.68
27 21 33 00-0010	EA		50 Mbps (upgradable to 100 Mbps), MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-50).....	649.08	41.22
27 21 33 00-0011	EA		100 Mbps, MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-100).....	742.88	41.22
27 21 33 00-0012	EA		Gigabit, 32W, PoE Injector With RJ45 And Reload Button (Proxim Wireless ETH-POEINJ-1G).....	125.78	20.62
27 21 33 00-0013	EA		Surge, Gigabit Surge Protector With Shielded RJ45 (Proxim Wireless ETH-SURGE-1G) .....	125.78	20.62
27 21 33 00-0014	EA		ORINOCO Dual Band Range Extender Antenna (Proxim Wireless 1086-REA) .....	232.79	36.69
27 21 33 00-0015	EA		5 dBi, ORINOCO 2.4GHz Omni Antenna (Proxim Wireless 1086-OA24-5) .....	178.42	36.69
27 21 33 00-0016	EA		8.5 dBi, ORINOCO 2.4GHz Panel Antenna (Proxim Wireless 1086-PA24-8.5).....	264.92	36.69
27 21 33 00-0017	EA		9.5 dBi, ORINOCO 2.4GHz Panel Antenna (Proxim Wireless 1086-PA24-9.5).....	264.92	36.69
27 21 33 00-0018	EA		7 dBi, ORINOCO 5GHz Panel Antenna (Proxim Wireless 1086-PA50-7) .....	252.56	36.69
27 21 33 00-0019	EA		FlexPort23 330 Mbps With Rectangular Antenna Interface, Band 6 (BridgeWave Communications FP23-1200R6) .....	28,568.77	73.38
27 21 33 00-0020	EA		FlexPort23 330 Mbps With Rectangular Antenna Interface, Band 7 (BridgeWave Communications FP23-1200R7) .....	28,568.77	73.38
27 21 33 00-0021	EA		FlexPort uWave AdaptRate And Modulation Feature Upgrade (BridgeWave Communications FPUWAVE-UPG-ARM) .....	2,347.91	
27 21 33 00-0022	EA		FlexPort 18 (23) Capacity Upgrade, 330-660 Mbps (BridgeWave Communications FP18(23)CU330-660).....	2,471.48	
27 21 33 00-0023	EA		SFP, GigE, Multimode Fiber (LC) Interface (BridgeWave Communications BRG171-00511) .....	222.05	18.35
27 21 33 00-0024	EA		1' High Performance Dish Antenna, Low Profile, 21.2-23.6 GHz, WR42 Flange, SOI (Radio Waves HPLP1-23RR).....	680.00	36.69
27 21 33 00-0025	EA		FPUWave 2nd Year Extended Warranty And NDR (BridgeWave Communications FPU-WAVE-EWNRD-2).....	4,263.30	
27 21 33 00-0026	EA		Cisco #AIR-ANT5959, 2.4 GHZ - 2.0/2.35 dBi antenna.....	431.90	36.69
27 21 33 00-0027	EA		Verizon LTE Modem (Sierra Wireless AirLink GX440 LTE VZW) .....	1,133.28	36.69
27 21 33 00-0028	EA		Cellular Phone / Wi-Fi Antenna (Sierra Wireless AP-CWG-Q-S222-WH) .....	331.69	36.69
27 21 33 00-0029	EA		AirLink GX400 Modem Mounting Bracket (Sierra Wireless 1202404) .....	48.88	
27 21 33 00-0030	EA		Cell LTE MIMO Antenna (Sierra Wireless 1810075) .....	69.44	14.68
27 21 33 00-0031	EA		AirLink GX400 Power Adapter (Sierra Wireless 2700384) .....	47.43	
27 21 33 00-0032	EA		AirLink GX400 Power Cable (Sierra Wireless 2000380).....	32.10	
27 21 33 00-0033	EA		Cellular/PCS/LTE, Hockey Puck Antenna (Sierra Wireless AP-C-Q-S2-BL) .....	219.63	36.69
27 21 33 00-0034	EA		Cellular/PCS/LTE/GPS, Multi-Band Antenna (Sierra Wireless AP-CG-Q-S22-BL).....	243.23	36.69
27 21 33 00-0035	EA		2 Way, RF Power Divider, 790-920 MHZ (Telewave ANTPD28D) .....	275.92	36.76
27 21 33 00-0036	EA		Wireless Cellular Modem (Sierra Wireless AirLink GX400 EVDO/GPS).....	675.28	55.13
27 21 33 00-0037	EA		Wireless Cellular Modem (Sierra Wireless AirLink GX440 LTE/EVDO/GPS).....	864.02	55.13
27 21 33 00-0038	EA		Wireless Cellular Modem (Sierra Wireless AirLink GX450 Rugged).....	769.65	55.13
27 21 33 00-0039	EA		Magnetic Mount Cellular Antenna (Wilson Electronics 301125) .....	47.45	11.01

<b>27</b>	<b>27 Communications</b>
<b>27 20</b>	<b>Data Communications</b>
<b>27 21</b>	<b>Data Communications Network Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 33 00-0040 EA Yagi Antenna, 890-960 MHz, 10 dBd Gain (PCTEL Bluewave Antennas BGYD890K) .....	201.36	41.22
27 21 33 00-0041 EA Andrew® Omni Antenna, 890-960 MHz, 360° Horizontal Beamwidth, Fixed Electrical Tilt, Fits On 38-51 mm (1-1/2 to 2 in) OD Pipe (Commscope DB583-Y) .....	114.33	41.22
27 21 33 00-0042 EA PowerBridge M5: Carrier Class 5GHz MIMO Bridging Solution Featuring Super Efficient 25dBi MIMO Antenna Array (Ubiquiti Networks PBM-5).....	357.74	36.76
27 21 33 00-0043 EA Single Channel Bluetooth Sensor With Bluetooth Module And Antenna (DeepBlue SC).....	3,579.84	36.76
27 21 33 00-0044 EA Point-to-Point Wireless Bridge (Proxim Tsunami® QB-10150).....	2,831.37	36.69

## 27 30 Voice Communications <sup>(27)</sup>

### 27 32 Voice Communications Terminal Equipment <sup>(27 30)</sup>

Note: Includes testing of new devices and certification.

#### 27 32 19 Interior Telephone System <sup>(27 32)</sup>

##### 27 32 19 00-0001 Interior Telephone Components <sup>(27 32 19)</sup>

27 32 19 00-0002 EA Solid State Exchange Unit With Power Supply .....	4,381.67	670.52
27 32 19 00-0003 EA Dial Telephone - Handset In Cabinet .....	524.69	54.81
27 32 19 00-0004 EA Elevator Cab Telephone With Trailer Cable.....	268.03	58.78
27 32 19 00-0005 EA Loud Ring Bell, 6" .....	210.78	54.52
27 32 19 00-0006 EA Audio/Visual Indicator .....	267.55	51.36
27 32 19 00-0007 EA Administrative Telephone With Digital Display.....	278.28	46.08
27 32 19 00-0008 EA Processing Unit For 16 Station System .....	1,387.22	375.91
27 32 19 00-0009 EA Handset For 16 Station System.....	196.48	37.42
27 32 19 00-0010 EA Handset In Cabinet, For 16 Station System.....	266.14	50.49
27 32 19 00-0011 MLF 20 Conductor Unshielded Cable, #22 .....	1,804.94	809.14
27 32 19 00-0012 EA Power Supply For 16 Station System .....	250.05	99.86
27 32 19 00-0013 EA Intercom Terminal Board .....	222.33	112.41
27 32 19 00-0014 EA Power Supply For Five Station System, 24 Volt DC .....	259.70	99.86
27 32 19 00-0015 EA Telephone Communication Board, Insulated Blueboard 24" x 24" x 1/2" Thick.....	126.27	41.06
27 32 19 00-0016 EA Telephone Cabinet With Backboard 24" High x 24" Wide x 6" Deep .....	392.78	90.36
27 32 19 00-0017 EA Telephone Cabinet With Backboard 30" High x 24" Wide x 6" Deep .....	463.65	102.71
27 32 19 00-0018 EA Telephone Cabinet With Backboard 30" High x 30" Wide x 6" Deep .....	562.15	121.55
27 32 19 00-0019 EA Telephone Cabinet With Backboard 36" High x 30" Wide x 6" Deep .....	662.79	131.42
27 32 19 00-0020 EA Telephone Cabinet With Backboard 48" High x 30" Wide x 6" Deep .....	1,030.53	149.53
27 32 19 00-0021 EA Ring Rung 3".....	7.88	4.09
27 32 19 00-0022 EA G66B50 Telephone Blocks Including 50 Terminators, Exterior Ring, Marking, ID .....	19.63	7.27
27 32 19 00-0023 EA G110 Data Blocks Including Terminator, Exterior Ring, Marking, ID And Testing.....	35.77	14.90

##### 27 32 19 00-0024 Interior Telephone Accessories <sup>(27 32 19)</sup>

27 32 19 00-0025 EA Blank Telephone Receptacle, Exposed Devices - Complete .....	8.49	3.96
27 32 19 00-0026 EA 4-Pin Telephone Receptacle, Exposed Devices - Complete.....	20.14	15.26
27 32 19 00-0027 EA Level 5, RJ-45 Jack, Dual Flush Mounted - Complete .....	53.67	16.77
27 32 19 00-0028 EA Level 5, RJ-45 Jack, Wall Mount - Complete .....	49.20	16.77
27 32 19 00-0029 EA Terminating Strips, Inside .....	100.63	33.54
27 32 19 00-0030 EA Dual Outlet, 4-Pin Telephone Receptacle, Concealed Type RJ-45 - Complete.....	39.65	17.24
27 32 19 00-0031 EA Ready Access Closure 3 To 25 Pair .....	121.78	40.43
27 32 19 00-0032 EA Ready Access Closure 25 To 100 Pair .....	146.16	45.20
27 32 19 00-0033 EA Termination Block With Bracket 25 Pair.....	49.10	13.57
27 32 19 00-0034 EA RJ-11 Telephone Receptacle, Concealed Devices - Complete .....	38.83	17.02
27 32 19 00-0035 EA Interior Protected Terminal 25 Pair .....	661.73	98.03
27 32 19 00-0036 EA Interior Protected Terminal 50 Pair .....	814.74	99.57
27 32 19 00-0037 EA Pedestal 6" x 6" x 50" 3 To 100 Pair .....	260.37	40.79
27 32 19 00-0038 EA Pedestal 8" x 8" x 50" 100 To 300 Pair .....	271.11	40.79
27 32 19 00-0039 EA Pedestal 10" x 10" x 43" 300 To 600 Pair .....	361.06	52.17
27 32 19 00-0040 EA Pedestal 10" x 16" x 439 600 Pair.....	774.95	94.00
27 32 19 00-0041 EA Entrance Protector Terminal 100 Pair.....	1,113.69	107.28
27 32 19 00-0042 EA Gas Protection Module .....	13.68	3.67
27 32 19 00-0043 EA Terminating Boxes, Outside With 3 Element Protectors, Per Pair .....	29.08	3.35

#### 27 32 26 Ring-Down Emergency Telephones <sup>(27 32)</sup>

##### 27 32 26 00-0001 Emergency Telephone <sup>(27 32 26)</sup>

Note: Standard features include: CB3000 speakerphone, 3 auxiliary inputs, 2 auxiliary outputs, phone line surge suppressor, analog telephone connection, 70w area light with blue beacon, high power strobe, lighted faceplate, 110VAC power, ultra weather resistant finish, vandal resistant hardware, UV resistant lens, dome vent; flat area for directory, access control or other options; 12.75" diameter/8'-6" height, 1/4" thick steel construction, foundation anchor kit, ADA compliant.

27 32 26 00-0002 EA Code Blue 1-Standard Emergency Telephone Pedestal Unit (CB 1-s).....	6,538.48	302.32
Note: Includes IA4100 FP1 analog speakerphone with single red "Push For Help" button, "Push For Help" bezel, hard wire phone line, passive vent at top, 24V AC, and standard color.		
27 32 26 00-0003 EA Code Blue 1-Dual Emergency Telephone Pedestal Unit (CB 1-d).....	6,873.98	302.32
Note: Includes IA4100 FP1 analog speakerphone with single red "Push For Help" button, "Push For Help" bezel, blank stainless steel plate second opening, hard wire phone line, passive vent at top, 24V AC, and standard color.		
27 32 26 00-0004 EA Analog Speakerphone With Black "Info" Button And Red "Push For Help" Button Code Blue Option (Code Blue IA4100 FP2) .....	111.83	
27 32 26 00-0005 EA Analog Speakerphone With Black "Call" Button, Keypad And Red "Push For Help" Button Code Blue Option (Code Blue IA4100 FP2-K).....	167.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 32 26 00-0006 EA IP Speakerphone With Single Red "Push For Help" Button Code Blue Option (Code Blue IP5000 FP1).....	419.37	
27 32 26 00-0007 EA IP Speakerphone With Back "Info" Button And Red "Push For Help" Button Code Blue Option (Code Blue IP5000 FP2).....	570.35	
27 32 26 00-0008 EA IP Speakerphone With Black "Call" Button, Keypad And Red "Push For Help" Button Code Blue Option (Code Blue IP5000 FP2-K).....	626.26	
27 32 26 00-0009 EA EMERGENCY (Raised Letters With Braille) Main Bezel Code Blue Option .....	11.18	
27 32 26 00-0010 EA EMERGENCY/EMERGENCIA (Raised Letters With Braille) Main Bezel Code Blue Option .....	11.18	
27 32 26 00-0011 EA Directory, Second Opening Code Blue Option.....	100.65	
27 32 26 00-0012 EA Camera Enclosure With Color IP Camera, Second Opening Code Blue Option.....	1,062.41	
27 32 26 00-0013 EA HID Card Reader, Second Opening Code Blue Option .....	492.06	
27 32 26 00-0014 EA HID Card Reader And Color IP Camera, Second Opening Code Blue Option .....	1,593.61	
27 32 26 00-0015 EA IP Wireless Communication Code Blue Option.....	3,349.38	
Note: 802.11g or secure mesh 5.8. (system UPS backup or unit Night Charge recommended). IP5000 VoIP Speakerphone option must be ordered when selecting IP Wireless Communications. Requires Base Unit(s) and site survey.		
27 32 26 00-0016 EA Active Venting Code Blue Option.....	178.93	
27 32 26 00-0017 EA Night Charge Power Code Blue Option .....	1,560.06	
Note: Requires 120V AC external power supplied to Code Blue unit.		
27 32 26 00-0018 EA Power Transformer Kit, Alternate Incoming Power Code Blue Option.....	391.41	
27 32 26 00-0019 EA Overhead Camera Mount Code Blue Option .....	889.07	
Note: Excludes camera.		
27 32 26 00-0020 EA Custom Color For Overhead Camera Mount Code Blue Option .....	39.14	

## 27 40 Audio-Video Communications <sup>(27)</sup>

### 27 41 Audio-Video Systems <sup>(27 40)</sup>

#### 27 41 16 Integrated Audio-Video Systems and Equipment <sup>(27 41)</sup>

Note: Includes testing of new devices and certification.

27 41 16 00-0001	Television Distribution System <sup>(27 41 16)</sup>		
See CSI section 26 05 13 16-0001 for basic wiring.			
27 41 16 00-0002	Television Support System <sup>(27 41 16 00-0001)</sup>		
27 41 16 00-0003	EA Ceiling Mounted Television Support, 19" To 20".....	285.81	82.34
27 41 16 00-0004	EA Ceiling Mounted Television Support, 19" To 20" With Rack .....	368.31	91.89
27 41 16 00-0005	EA Ceiling Mounted Television Support, 25" To 27".....	298.23	82.34
27 41 16 00-0006	EA Ceiling Mounted Television Support, 25" To 27" With Rack .....	380.73	91.89
27 41 16 00-0007	EA Wall Mounted Television Support, 13".....	226.39	66.16
27 41 16 00-0008	EA Wall Mounted Television Support, 13" With Rack.....	308.89	73.51
27 41 16 00-0009	EA Wall Mounted Television Support, 19" To 20".....	242.68	66.16
27 41 16 00-0010	EA Wall Mounted Television Support, 19" To 20" With Rack .....	325.18	73.51
27 41 16 00-0011	EA Wall Mounted Television Support, 25" To 27".....	258.98	66.16
27 41 16 00-0012	EA Wall Mounted Television Support, 25" To 27" With Rack .....	341.47	73.51
27 41 16 00-0013	Distribution System <sup>(27 41 16 00-0001)</sup>		
See CSI section 26 05 13 16-0001 for wire and cabling.			
27 41 16 00-0014	TV Distribution Rack <sup>(27 41 16 00-0013)</sup>		
27 41 16 00-0015	EA Steel Rack Cabinet With Shelves .....	993.72	134.94
27 41 16 00-0016	EA Switch And Pilot Light.....	155.91	59.95
27 41 16 00-0017	LF Surface Raceway With Outlets .....	18.68	8.14
27 41 16 00-0018	EA Service Label.....	22.22	11.23
27 41 16 00-0019	Head End Amplifier <sup>(27 41 16 00-0013)</sup>		
27 41 16 00-0020	EA Head End Amplifier.....	662.96	89.82
27 41 16 00-0021	UHF In-Line Booster Amplifier And Power Supply <sup>(27 41 16 00-0013)</sup>		
27 41 16 00-0022	EA UHF In-Line Booster.....	388.42	89.82
27 41 16 00-0023	Preamplifiers <sup>(27 41 16 00-0013)</sup>		
27 41 16 00-0024	EA VHF Preamplifier .....	485.09	89.82
27 41 16 00-0025	EA UHF Preamplifier .....	388.42	89.82
27 41 16 00-0026	Power Supplies <sup>(27 41 16 00-0013)</sup>		
27 41 16 00-0027	EA Common Power Supply.....	693.00	128.33
27 41 16 00-0028	Line Splitter And Mixer <sup>(27 41 16 00-0013)</sup>		
27 41 16 00-0029	EA Line Splitter.....	60.55	29.94
27 41 16 00-0030	EA Two-Way Splitter .....	68.24	29.94
27 41 16 00-0031	EA Frequency Filter.....	150.76	44.98
27 41 16 00-0032	EA Line Splitter And Mixer.....	184.80	66.04

<b>27</b>	<b>Communications</b>
<b>27 40</b>	<b>Audio-Video Communications</b>
<b>27 41</b>	<b>Audio-Video Systems</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 41 16 00-0033			<b>Power Line Filters</b> (27 41 16 00-0013)		
27 41 16 00-0034	EA		120-Volt Power Supply Line Filter.....	291.24	59.95
27 41 16 00-0035			<b>Wall Box And Receiver Outlets</b> (27 41 16 00-0013)		
27 41 16 00-0036	EA		Wall Box With Lockable Cover, Excluding Outlet Plug.....	150.76	44.98
27 41 16 00-0037	EA		TV Receiver Outlet Plug.....	68.24	29.94
27 41 16 00-0038	EA		TV Camera Outlet Plug.....	68.24	29.94
27 41 16 00-0039	EA		Audio Outlet Plug.....	58.60	29.94
27 41 16 00-0040	EA		12 Ft RG 6U Cable With G-59 And TV Set Fittings.....	122.07	59.95
27 41 16 00-0041	EA		Male Plug PL-259.....	68.24	29.94
27 41 16 00-0042	EA		Wall Box And Receiver Outlet Television Outlets.....	80.78	31.41
27 41 16 00-0043			<b>Metal And Electric Shop Antenna Systems</b> (27 41 16)		
27 41 16 00-0044			<b>Antenna</b> (27 41 16 00-0043)		
27 41 16 00-0045	EA		Amateur Radio Antenna.....	627.36	110.07
27 41 16 00-0046	EA		Multi-Band Radio Antenna.....	488.88	110.07
27 41 16 00-0047			<b>Receptacles</b> (27 41 16 00-0043)		
27 41 16 00-0048	EA		Amateur Radio Antenna System Receptacle With Mating Plugs And Adapter.....	141.10	44.98
27 41 16 00-0049	EA		Multi-Band Radio Antenna System Receptacle With Mating Plugs.....	141.10	44.98
27 41 23			<b>Audio-Video Accessories</b> (27 41)		
27 41 23 00-0001			<b>Signaling</b> (27 41 23)		
27 41 23 00-0002	EA		Explosion Proof Signaling Strobe Light, Federal #27XST-120.....	1,469.10	70.43
27 41 23 00-0003	EA		Explosion Proof Signaling Revolving Warning Light, Federal #121X-120.....	1,406.91	70.43
27 41 23 00-0004	EA		Explosion Proof Signaling Horn, Federal #41X-024-1.....	1,131.00	70.43
27 41 23 00-0005	EA		Explosion Proof Signaling Horn, Federal #31X-120-3.....	875.70	70.43
27 41 23 00-0006	EA		Hazardous Location Warning Lights, Strobe, Glass, Federal #151XST-120.....	661.19	70.43
27 41 23 00-0007	EA		Hazardous Location Warning Lights, Strobe, Poly, Federal #225XST-120.....	483.57	70.43
27 41 23 00-0008	EA		Hazardous Location Warning Lights, Steady Burning Light, Federal #191X-0240250.....	386.94	70.43
27 41 23 00-0009	EA		Visual Signaling Devices, Revolving, Federal #121S-120.....	409.44	70.43
27 41 23 00-0010	EA		Visual Signaling Devices, Revolving, Federal #371L-120.....	1,197.00	70.43
27 41 23 00-0011	EA		Visual Signaling Devices, Strobe, Federal #FB2PST-120.....	448.43	70.43
27 41 23 00-0012	EA		Visual Signaling Devices, Strobe, Federal #131DST-120.....	649.20	70.43
27 41 23 00-0013	EA		Pendant Fixture, Crouse-Hinds EVAS101R Or EVAS201R.....	2,512.52	70.43
27 41 23 00-0014	EA		Pendant Fixture With Guard, Crouse-Hinds EVAS110R Or EVAS210R.....	2,542.83	70.43
27 41 23 00-0015	EA		Wall Fixture, Crouse-Hinds EVBS101R Or EVBS201R.....	2,709.59	70.43
27 41 23 00-0016			<b>Visual And Audible Signals</b> (27 41 23)		
27 41 23 00-0017	EA		4" x 4" x 2-1/2" Deep Vibrating Horn.....	137.59	18.35
27 41 23 00-0018	EA		4" x 4" x 3.4" Deep Vibrating Bell.....	184.83	18.35
27 41 23 00-0019	EA		6" x 6" x 3.8" Deep Vibrating Bell.....	221.96	18.35
27 41 23 00-0020	EA		8" x 8" x 19-3/4" Deep Resonating Horn.....	734.31	23.85
27 41 23 00-0021	EA		3 Tone Electric Siren, NEMA 3R.....	687.74	23.85
27 41 23 00-0022	EA		16 Tone Electric Siren.....	1,085.03	27.52
27 41 23 00-0023	EA		Wall Mounting Brackets For Visual Signals.....	134.22	18.35
27 41 23 00-0024	EA		Wall Mounting Brackets For Explosionproof Visual Signals.....	348.27	18.35
27 41 23 00-0025	EA		Dome Guard For Explosionproof Visual Signals.....	55.56	9.17
27 50			<b>Distributed Communications And Monitoring Systems</b> (27)		
27 51			<b>Distributed Audio-Video Communications Systems</b> (27 50)		
27 51 17			<b>Video Intercom And Exterior Gate Control System</b> (27 51)		
27 51 17 00-0001			<b>Video Intercom And Exterior Gate Control System (Aiphone)</b> (27 51 17)		
27 51 17 00-0002	EA		IP Input/Output Adaptor (Aiphone RY-IP44).....	807.66	73.51
27 51 17 00-0003	EA		12 Volt, 2.5 Amp, DC Power Supply (Aiphone PS-1225UL)..... Note: UL Listed	115.95	9.17
27 51 17 00-0004	EA		IP Video Master Station (Aiphone IX-MV).....	1,492.59	91.89
27 51 17 00-0005	EA		IP Addressable, Flush Mount, Video Door Station With HID ProxPoint Plus Card Reader (Aiphone IX-DF-HID).....	1,159.96	18.38
27 51 17 00-0006	EA		Stainless Steel Surface Mount Box For IS-SS/IS-DVF/IS-IPDVF/IX-DF(SS) (Aiphone SBX-IDVF).....	155.14	18.38
27 51 17 00-0007	EA		Security Lock Box For IS-DV, IS-DVF, IX-DF, IX-SS, IX-DF-HID, And IX-DF-RP10 (Aiphone LB-SDVF).....	283.93	27.57
27 51 23			<b>Intercommunications And Program Systems</b> (27 51)		
27 51 23 20			<b>Commercial Intercommunications And Program Systems</b> (27 51 23)		
27 51 23 20-0001			<b>Intercom</b> (27 51 23 20) Note: Includes classroom software packages.		
27 51 23 20-0002	EA		Basic Shelf (Dukane STARCall 110-3546A).....	3,073.36	220.55
27 51 23 20-0003	EA		Expanded Audio Routing Card (Dukane STARCall 110-3524B).....	1,429.26	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 51 23 20-0004	EA			Expanded Audio Switching Card (Dukane STARCall 110-3534D) .....	1,039.64	
27 51 23 20-0005	EA			Expanded Administrative Telephone Card (Dukane STARCall Dukane 110-3527A) .....	1,051.67	
27 51 23 20-0006	EA			Protected Balanced Telephone Card (Dukane STARCall 110-3775B) .....	2,353.98	
27 51 23 20-0007	EA			250 Watt Power Amplifier (Dukane STARCall 1A4250) .....	1,859.75	
27 51 23 20-0008	EA			Intercom Amplifier Module (Dukane STARCall 110-3544C) .....	467.26	
27 51 23 20-0009	EA			Administrative Telephone (Dukane STARCall 7A1110) .....	1,125.02	
27 51 23 20-0010	EA			AM/FM Tuner / CD Player Preamplifier (Dukane STARCall RCD350P) .....	1,990.82	
27 51 23 20-0011	EA			Digital Display (Dukane STARCall RDU350) .....	2,221.70	
27 51 23 20-0012	EA			UPS System, 120 Tripp Lite SMARTNET (Emerson PS220RT2-120) .....	1,937.39	
27 51 23 20-0013	EA			Equipment Cabinet (Atlas Sound 140-18) .....	1,039.29	
27 51 23 20-0014	EA			Storage Drawer (Atlas Sound SD6-14) .....	341.67	
27 51 23 20-0015	EA			Master Clock (Dukane 24A715) .....	2,438.83	
27 51 23 20-0016	EA			Corrective Clock (National Time 030-10EX-LV) .....	212.32	
27 51 23 20-0017	EA			Clock Backbox (National Time 143-K3) .....	27.73	
27 51 23 20-0018	EA			Speaker/Transformer Assembly (Dukane 5A606) .....	26.53	
27 51 23 20-0019	EA			Baffle (Atlas Sound 840-89) .....	193.81	
27 51 23 20-0020	EA			Surface Mounted Backbox (Atlas Sound SM195-89) .....	110.11	
27 51 23 20-0021	EA			Dual Call-In Button (Horizon DCSB-1D9) .....	52.05	
27 51 23 20-0022	EA			Dual Call-In Button With Privacy Control (Horizon DCSB-2P9) .....	64.08	
27 51 23 20-0023	EA			Telephone Punchblock .....	30.27	
27 51 23 20-0024	EA			Ground Rail (Edco MGB) .....	19.02	
27 51 23 20-0025	EA			Surge Suppressor (Edco OPX-048) .....	31.38	
27 51 23 20-0026	EA			Surge Suppressor (Edco HCO) .....	32.59	

**27 51 33 Sound Reinforcement (27 51)**

Note: Includes testing of new devices and certification.

**27 51 33 00-0001 Amplifiers (27 51 33)**

27 51 33 00-0002	EA			10 Watt PA/Paging System Amplifier, 70 Volt (Bogen C10) .....	322.48	73.51
27 51 33 00-0003	EA			35 Watt PA/Paging System Amplifier, 70 Volt (Bogen C35) .....	454.00	73.51
27 51 33 00-0004	EA			60 Watt PA/Paging System Amplifier, 70 Volt (Bogen C60) .....	538.43	73.51
27 51 33 00-0005	EA			100 Watt PA/Paging System Amplifier, 70 Volt (Bogen 100) .....	598.66	73.51
27 51 33 00-0006	EA			150 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS150) .....	744.61	73.51
27 51 33 00-0007	EA			250 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS250) .....	962.87	73.51
27 51 33 00-0008	EA			Rack Mount Kit For PA/Paging System Amplifiers (Bogen GSRPK) .....	38.24	3.68

**27 51 33 00-0009 Splitters (27 51 33)**

27 51 33 00-0010	EA			24 Watt, 5 Output, Isolated Splitter (Doug Fleenor 125EE) .....	1,888.07	55.03
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**27 51 33 00-0011 Speakers (27 51 33)**

27 51 33 00-0012	EA			8", 5 Watt Recessed Ceiling Mounted Speaker With Transformer And Baffle (Atlas Sound FD72W) .....	127.61	19.67
27 51 33 00-0013	EA			8" Steel Baffle (Atlas Sound 51-8) .....	40.31	3.67
27 51 33 00-0014	EA			T-Bar Support (Atlas Sound EZ95-8) .....	44.90	3.67
27 51 33 00-0015	EA			8" Cylindrical Enclosure With Undercoating (Atlas Sound Q408) .....	69.51	3.67
27 51 33 00-0016	EA			Plate Mounted 10 Watt Attenuator With Priority Relay (Atlas Sound AT10-PA) .....	65.14	6.61
27 51 33 00-0017	EA			PA Speakers, 30 Watt Cone Wall Type .....	537.84	49.31
27 51 33 00-0018	EA			PA Speakers, 15 Watt Cone Wall Type .....	286.98	49.16
27 51 33 00-0019	EA			PA Speakers, 15 Watt Ceiling Type .....	286.98	49.16
27 51 33 00-0020	EA			PA Speakers, 15 Watt Dual Cone Wall Type .....	475.64	49.16
27 51 33 00-0021	EA			PA Speakers, Ceiling Speaker, 7-1/2" Diameter With 4" Speaker Area, Vinyl Clad Round Metal Grille .....	99.72	29.35
27 51 33 00-0022	EA			PA Speakers, 12 Watt Standard Paging Speaker With 360 Degree Swivel Bracket .....	227.83	29.35
27 51 33 00-0023	EA			PA Speakers, 15 Watt Standard Paging Speaker With Dustproof/Moistureproof Housing, Indoor/Outdoor .....	326.69	29.35
27 51 33 00-0024	EA			PA Speakers, 30 Watt Standard Paging Box Speaker, High Impact Plastic, 8 Ohm .....	221.19	29.35
27 51 33 00-0025	EA			PA Speakers, 30 Watt Standard Paging Box Speaker, High Impact Plastic, 25 Volt / 70 Volt / 100 Volt .....	260.74	29.35
27 51 33 00-0026	EA			PA Speakers, 60 Watt Marine Speaker, High Impact Acrylonitrile Butadiene Styrene (ABS) Plastic .....	428.73	29.35
27 51 33 00-0027	EA			PA Speakers, 15 Watt Hazardous Location Speaker, Class I, Division 1, Groups A, B, C, D; Class II, Division 2, Groups F And G .....	330.06	29.35
27 51 33 00-0028	EA			PA Speakers, 30 Watt Hazardous Location Speaker, Class I, Division 1, Groups A, B, C, D; Class II, Division 2, Groups F And G .....	605.12	29.35
27 51 33 00-0029	EA			PA Speakers, 15 Watt Explosionproof Speaker, Class I, Division 1, Groups B, C, D; Class II, Division 1, Groups E, F And G .....	1,029.76	29.35
27 51 33 00-0030	EA			Warning Horn, 120 Volt AC, 4" x 4", 100 dB, Outdoor Use .....	209.94	29.35
27 51 33 00-0031	EA			Cast Aluminum Weatherproof Box For Warning Horn, 4-3/8" x 4-3/8", Outdoor Use .....	92.75	14.68

**27 51 33 00-0032 Accessories (27 51 33)**

27 51 33 00-0033	EA			Microphone And Stand For Audio/Video System (Bogen MBS-1000A) .....	185.40	9.19
27 51 33 00-0034	EA			5 Disk CD Player For Audio/Video System (Bogen DCM290-P) .....	415.66	9.19
27 51 33 00-0035	EA			Weather Proof Horn For Audio/Video System (Bogen SPT5A) .....	106.64	18.38
27 51 33 00-0036	EA			Trumpet Driver And Line Matching Transformer For Audio/Video System (Atlas PD-60A) .....	196.21	18.38
27 51 33 00-0037	EA			Headset Microphone For Audio/Video System (Audio Technica Pro8Hex) .....	143.83	18.35
27 51 33 00-0038	EA			Microphone Jack For Audio/Video System .....	67.39	18.38
27 51 33 00-0039	EA			Terminal Cabinet For Audio/Video System (Atlas 121-18) .....	562.99	73.51
27 51 33 00-0040	EA			Volume Control For Audio/Video System (Bogen AT10A) .....	64.49	18.38
27 51 33 00-0041	EA			Round Bridge For 8" (S86/S810) Recessed Speakers (Bogen Communications TB8) .....	45.72	18.38



<b>27</b>	<b>Communications</b>
<b>27 50</b>	<b>Distributed Communications And Monitoring Systems</b>
<b>27 51</b>	<b>Distributed Audio-Video Communications Systems</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

27 51 33 00-0042	Remove And Reinstall Speakers (27 51 33) Note: Includes storage, cleaning and supply materials.		
27 51 33 00-0043	EA Removal And Reinstallation Of Ceiling Mounted Speaker.....	102.73	

## 27 52 Healthcare Communications And Monitoring Systems (27 50)

### 27 52 23 Nurse Call/Code Blue Systems (27 52)

27 52 23 00-0001	Wireless Equipment Nurses Call Systems (27 52 23) Note: Includes all mounting hardware, batteries, cable and connections. Teletronic.		
27 52 23 00-0002	Wireless Nurses Call System (27 52 23 00-0001)		
27 52 23 00-0003	EA NurseCall Main Unit (Rechargeable Battery Included); NCM2.....	4,808.70	
27 52 23 00-0004	EA NurseCall Main Unit (Rechargeable Battery Included) 300+ Transmitters; NCM2S.....	5,341.63	
27 52 23 00-0005	EA NurseCall Local Unit (Rechargeable Battery Included), Quantity 1-5 Units; NCL2.....	3,395.86	
27 52 23 00-0006	EA NurseCall Local Unit (Rechargeable Battery Included), Quantity 6-10 Units; NCL2.....	2,749.36	
27 52 23 00-0007	EA NurseCall Local Unit (Rechargeable Battery Included), Quantity 11-15 Units; NCL2.....	2,473.51	
27 52 23 00-0008	EA NurseCall Local Unit (Rechargeable Battery Included), Quantity 16+ Units; NCL2.....	2,197.60	
27 52 23 00-0009	EA Resident Bed Station With Relay; N45.....	571.73	
27 52 23 00-0010	EA Bed Push Button For Use With N45 (9'); RB13-9.....	277.35	
27 52 23 00-0011	EA Pull Cord Replacement For S35; S35PC.....	19.13	
27 52 23 00-0012	EA Wall Mount Pull-Cord Transmitter/Mounting Hardware - Auto Supervision; S35S.....	404.98	
27 52 23 00-0013	EA Wall Mount Pull-Cord Transmitter/Mounting Hardware - Assist Tone; S35A.....	404.98	
27 52 23 00-0014	EA Remote Reset Button; S35R.....	393.19	
27 52 23 00-0015	EA Waterproof Wrist Transmitter (Automatic Supervision); S37.....	275.67	
27 52 23 00-0016	EA Wrist Band Replacement For S37; S37WB.....	24.18	
27 52 23 00-0017	EA Locate 1 Waterproof Wrist Transceiver; S37L.....	337.99	
27 52 23 00-0018	EA Locate 1 Beacon; IS75.....	1,076.95	
27 52 23 00-0019	EA Wireless Smoke Detector Transmitter; SD35.....	687.68	
27 52 23 00-0020	EA Wireless Door Contact Transmitter; RAC35.....	534.40	
27 52 23 00-0021	EA Wireless Time Controlled Door Contact; RAC45.....	534.40	
27 52 23 00-0022	EA Local Receiver With Relay (110 Volt AC); LE9.....	662.41	
27 52 23 00-0023	EA Voice Response Unit (Rechargeable Battery Included); S10.....	1,128.45	
27 52 23 00-0024	EA Alarm Receiving Unit (Rechargeable Battery Included); ARU.....	2,243.15	
27 52 23 00-0025	EA NurseCall Programming Software; NPS.....	6,273.22	
27 52 23 00-0026	EA NurseCall Printer Interface; NCPI.....	2,129.34	
27 52 23 00-0027	EA NurseCall Computer Center (Includes NurseCall Software, PC, Monitor, Printer And UPS); NCCN.....	11,056.92	
27 52 23 00-0028	EA 9V NiMH Rechargeable Battery (Replacement For S10, NCM2, And NCL2); NMH9R.....	49.75	
27 52 23 00-0029	EA 6V Lithium Battery (Replacement For S35 And RAC35); LIT6.....	44.70	
27 52 23 00-0030	EA 9V Alkaline Battery (Replacement For N45); ALK9.....	21.12	
27 52 23 00-0031	EA Giant LED Single Sided Display; NCGD.....	10,910.12	
27 52 23 00-0032	EA Serial Printer; NCSP.....	1,131.38	
27 52 23 00-0033	EA Modular Duplex T-Adapter (Replacement For S10); SE-486A.....	22.50	
27 52 23 00-0034	EA AC Adapter (Replacement For S10); STA-4110A.....	42.71	
27 52 23 00-0035	EA S10 Phone Cord (Replacement For S10); STC.....	22.50	
27 52 23 00-0036	EA Waveware Paging System, Use With NCCN (Dell Computer); SPS-5.....	4,838.11	
27 52 23 00-0037	EA Waveware Pagers; DAP-040.....	681.83	

27 52 23 00-0038	Wireless Nurses Call Tele/Management System (27 52 23 00-0001)		
27 52 23 00-0039	EA Tele/Management Unit; TP12.....	2,670.83	
27 52 23 00-0040	EA Tele/Management Software; TP12S.....	2,567.23	

27 52 23 00-0041	Wireless Nurses Call Paging System (27 52 23 00-0001)		
27 52 23 00-0042	EA Standard Paging System (2.5 Watt Transmitter); RPE673.....	7,870.84	
27 52 23 00-0043	EA Replacement Antenna For RPE673; RPE673AN.....	551.73	
27 52 23 00-0044	EA Replacement Power For RPE673; RPE673PS.....	743.75	
27 52 23 00-0045	EA Alphanumeric Pager; RPR583.....	910.51	
27 52 23 00-0046	EA Replacement Holster For RPR583; RPR583H.....	50.04	

27 52 23 00-0047	Equipment Nurses Call Systems (27 52 23)		
27 52 23 00-0048	EA Nurses Call System, Page/Talk Relay Intercommunication Equipment.....	169.43	38.16
27 52 23 00-0049	EA Nurses Call System, Main Equipment Panel Intercommunication Equipment.....	1,812.41	152.63
27 52 23 00-0050	EA Nurses Call System, Re-Entrant Horn Intercommunication Equipment.....	178.91	49.90
27 52 23 00-0051	EA Nurses Call System, Nurses Control Station Intercommunication Equipment.....	876.04	146.75
27 52 23 00-0052	EA Nurses Call System, Duty Station Intercommunication Equipment.....	441.78	114.47
27 52 23 00-0053	EA Nurses Call System, Staff Station Intercommunication Equipment.....	231.39	38.16
27 52 23 00-0054	EA Nurses Call System, Single Bedside Station Intercommunication Equipment.....	219.15	38.16
27 52 23 00-0055	EA Nurses Call System, Double Bedside Station Intercommunication Equipment.....	334.96	66.77
27 52 23 00-0056	EA Nurses Call System, Emergency Call Button Intercommunication Equipment.....	100.24	29.35
27 52 23 00-0057	EA Nurses Call System, Pull Cord Button Intercommunication Equipment.....	92.36	29.35
27 52 23 00-0058	EA Nurses Call System, Single Dome Light Intercommunication Equipment.....	66.80	19.08
27 52 23 00-0059	EA Nurses Call System, Double Dome Light Intercommunication Equipment.....	96.87	29.35
27 52 23 00-0060	EA Nurses Call System, Pillow Speaker Intercommunication Equipment.....	148.13	19.08
27 52 23 00-0061	EA Nurses Call System, Cord Set Intercommunication Equipment.....	72.73	19.08
27 52 23 00-0062	EA Nurse Call System, Master-20 Station.....	3,701.39	146.75
27 52 23 00-0063	EA Dukane Duty Station - Tone Only, PC1000.....	605.79	114.54



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**27 53 Distributed Systems** (27 50)

**27 53 13 Clock Systems** (27 53)

**27 53 13 13 Wireless Clock Systems** (27 53 13)

27 53 13 13-0001 GPS Wireless Clock Systems (27 53 13 13)

27 53 13 13-0002 Wireless Synchronized Clocks (27 53 13 13-0001)

27 53 13 13-0003 Analog, Wireless Synchronized Clocks (Primex Traditional Series) (27 53 13 13-0002)

27 53 13 13-0004	EA 12.5", Battery Operated, Single Sided, Analog, Wireless Synchronized Clock.....	186.17	
	For >250, Deduct	-38.38	
	For >100 To 250, Deduct	-32.40	
27 53 13 13-0005	EA 12.5", Battery Operated, Dual Sided, Analog, Wireless Synchronized Clock .....	335.66	18.35
	For >250, Deduct	-26.42	
	For >100 To 250, Deduct	-21.93	
27 53 13 13-0006	EA 16", Battery Operated, Single Sided, Analog, Wireless Synchronized Clock.....	217.10	18.35
	For >250, Deduct	-45.18	
	For >100 To 250, Deduct	-37.96	
27 53 13 13-0007	EA 12.5", Electric, Single Sided, Analog, Wireless Synchronized Clock .....	211.95	18.35
	For >250, Deduct	-44.05	
	For >100 To 250, Deduct	-37.04	
27 53 13 13-0008	EA 12.5", Electric, Dual Sided, Analog, Wireless Synchronized Clock.....	387.20	18.35
	For >250, Deduct	-30.03	
	For >100 To 250, Deduct	-24.77	
27 53 13 13-0009	EA 16", Electric, Single Sided, Analog, Wireless Synchronized Clock .....	242.87	18.35
	For >250, Deduct	-36.42	
	For >100 To 250, Deduct	-28.17	

27 53 13 13-0010 Digital, Wireless Synchronized Clocks (Primex Digital Series) (27 53 13 13-0002)

27 53 13 13-0011 4-Digit, Digital, Wireless Synchronized Clocks (27 53 13 13-0010)

27 53 13 13-0012	EA 2.5", Single Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock .....	273.80	
	For Green LED, Add	23.71	
	For >100 To 250, Deduct	-24.46	
	For >250, Deduct	-36.31	
27 53 13 13-0013	EA 2.5", Dual Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock.....	510.91	18.35
	For Green LED, Add	47.42	
	For >100 To 250, Deduct	-52.91	
	For >250, Deduct	-133.53	
27 53 13 13-0014	EA 4", Single Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock .....	304.73	18.35
	For Green LED, Add	26.80	
	For >250, Deduct	-25.59	
	For >100 To 250, Deduct	-17.55	
27 53 13 13-0015	EA 4", Dual Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock.....	572.77	18.35
	For Green LED, Add	53.61	
	For >100 To 250, Deduct	-48.38	
	For >250, Deduct	-150.23	

27 53 13 13-0016 6-Digit, Digital, Wireless Synchronized Clocks (27 53 13 13-0010)

27 53 13 13-0017	EA 2.5", Single Sided, 6-Digit, Red LED Digital, Wireless Synchronized Clock .....	304.73	
	For Green LED, Add	26.80	
	For >100 To 250, Deduct	-20.23	
	For >250, Deduct	-28.81	
27 53 13 13-0018	EA 2.5", Dual Sided, 6-Digit, Red LED Digital, Wireless Synchronized Clock.....	572.77	18.35
	For Green LED, Add	53.61	
	For >250, Deduct	-101.98	
	For >100 To 250, Deduct	-43.55	
27 53 13 13-0019	EA 2.5", Flush Mount, 6-Digit, Red LED Digital, Wireless Synchronized Clock.....	356.28	18.35
	For Green LED, Add	31.96	
	For >100 To 250, Deduct	-16.68	
	For >250, Deduct	-24.67	

27 53 13 13-0020 Wire Guards For Wireless Synchronized Clocks (27 53 13 13-0002)

27 53 13 13-0021	EA 18" x 18" Analog Clock Wire Guard For 16" Wireless Synchronized Clocks .....	95.67	
27 53 13 13-0022	EA Digital Clock Wire Guard For 2.5" Wireless Synchronized Clocks.....	44.12	9.17
27 53 13 13-0023	EA Digital Clock Wire Guard For 4" Wireless Synchronized Clocks.....	49.28	9.17

27 53 13 13-0024 Wireless Synchronized Clock Transmitters (27 53 13 13-0001)

27 53 13 13-0025 Wireless Synchronized Clock Transmitters (27 53 13 13-0024)

Note: Includes 16 channel transmitter with daylight savings bypass and time zone switch, GPS receiver, 16' cable and window installation hardware.

27 53 13 13-0026	EA Internal Antenna, One Watt GPS Wireless Clock Transmitter (Primex 14000).....	2,063.66	
	For Roof Mounted GPS Receiver, Add	305.15	55.03

**27 Communications****27 50 Distributed Communications And Monitoring Systems****27 53 Distributed Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 13-0027 EA External Antenna, One Watt GPS Wireless Clock Transmitter (Primex 14000-E).....	3,357.47	55.03
Note: Includes 100' antenna cable, 29.4" high x 41.5" wide ground plane antenna with direct ground lightning protection.		
For Roof Mounted GPS Receiver, Add	434.53	
27 53 13 13-0028 EA Repeater, Satellite Transmitter (Primex 14006).....	2,026.97	36.69
Note: Includes 100' antenna cable, 29.4" high x 41.5" wide ground plane antenna with direct ground lightning protection.		
<b>27 53 13 13-0029 Accessories For Wireless Synchronized Clock Transmitters (27 53 13 13-0024)</b>		
27 53 13 13-0030 EA External Antenna Mounting Kit For Wireless Synchronized Clock Transmitters .....	183.99	14.68
27 53 13 13-0031 EA Transmitter Rack For Wireless Synchronized Clock Transmitters .....	82.96	14.68
27 53 13 13-0032 EA Surge Protector And Battery Back Up For Wireless Synchronized Clock Transmitters .....	122.80	7.34
27 53 13 13-0033 EA 50' GPS Receiver Cable For Wireless Synchronized Clock Transmitters.....	105.76	18.35
27 53 13 13-0034 EA 100' GPS Receiver Cable For Wireless Synchronized Clock Transmitters.....	147.81	27.52
27 53 13 13-0035 EA 200' GPS Receiver Cable For Wireless Synchronized Clock Transmitters.....	217.71	36.69
<b>27 53 13 16 Wired Clock Systems (27 53 13)</b>		
<b>27 53 13 16-0001 Wired Self-Corrective Clock Systems (27 53 13 16)</b>		
<b>27 53 13 16-0002 Wired Self-Corrective Clocks (27 53 13 16-0001)</b>		
<b>27 53 13 16-0003 Analog, Wired Self-Corrective Clocks (Telecor) (27 53 13 16-0002)</b>		
<b>27 53 13 16-0004 24 Volt AC, Analog, Wired Self-Corrective Clocks (27 53 13 16-0003)</b>		
27 53 13 16-0005 EA 12", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount.....	158.85	18.35
For >100, Deduct	-15.26	
For >50 To 100, Deduct	-10.38	
27 53 13 16-0006 EA 12", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	376.89	18.35
For >100, Deduct	-32.71	
For >50 To 100, Deduct	-19.10	
27 53 13 16-0007 EA 16", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount.....	199.06	18.35
For >50 To 100, Deduct	-13.61	
For >100, Deduct	-20.10	
27 53 13 16-0008 EA 16", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	497.51	18.35
For >50 To 100, Deduct	-51.57	
For >100, Deduct	-70.00	
<b>27 53 13 16-0009 120 Volt AC, Analog, Wired Self-Corrective Clocks (27 53 13 16-0003)</b>		
27 53 13 16-0010 EA 12", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount.....	158.85	18.35
For >100, Deduct	-15.26	
For >50 To 100, Deduct	-10.38	
27 53 13 16-0011 EA 12", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	376.89	18.35
For >100, Deduct	-32.71	
For >50 To 100, Deduct	-19.10	
27 53 13 16-0012 EA 16", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount.....	199.06	18.35
For >50 To 100, Deduct	-13.61	
For >100, Deduct	-20.10	
27 53 13 16-0013 EA 16", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount.....	497.51	18.35
For >50 To 100, Deduct	-51.57	
For >100, Deduct	-70.00	
<b>27 53 13 16-0014 Accessories For Analog Wired Self-Corrective Clocks (27 53 13 16-0003)</b>		
27 53 13 16-0015 EA Wire Guards For 12", 15" Or 16" Analog Wired Self-Corrective Clocks.....	130.46	9.17
27 53 13 16-0016 EA Back Box For 10", 12" Or 15" Flush Mount Analog Wired Self-Corrective Clocks .....	33.81	9.17
27 53 13 16-0017 EA Surface Mounting Rings For 12" Analog Wired Self-Corrective Clocks .....	42.71	9.17
27 53 13 16-0018 EA Surface Mounting Rings For 15" Analog Wired Self-Corrective Clocks .....	51.99	9.17
27 53 13 16-0019 EA Combination Back Box For Speaker And Clock.....	90.67	14.68
<b>27 53 13 16-0020 Digital, Wired Self-Corrective Clocks (Telecor) (27 53 13 16-0002)</b>		
<b>27 53 13 16-0021 24 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 16-0020)</b>		
27 53 13 16-0022 EA 2.5", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	195.97	18.35
For >50 To 100, Deduct	-9.56	
For Surface Mount, Add	31.86	
For >100, Deduct	-15.93	
27 53 13 16-0023 EA 4", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	301.12	18.35
For >50 To 100, Deduct	-15.87	
For Surface Mount, Add	52.89	
For >100, Deduct	-26.44	
<b>27 53 13 16-0024 120 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 16-0020)</b>		
27 53 13 16-0025 EA 2.5", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount.....	195.97	18.35
For >50 To 100, Deduct	-9.56	
For Surface Mount, Add	31.86	
For >100, Deduct	-15.93	



<b>Communications</b>	<b>27</b>
<b>Distributed Communications And Monitoring Systems</b>	<b>27 50</b>
<b>Distributed Systems</b>	<b>27 53</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 16-0026 EA 4", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount..... <i>For &gt;50 To 100, Deduct</i> <i>For Surface Mount, Add</i> <i>For &gt;100, Deduct</i>	301.12 -15.87 52.89 -26.44	18.35
<b>27 53 13 16-0027 Replacement Modules For 24 Volt AC, Digital, Wired Self-Corrective Clocks</b> <i>(27 53 13 16-0020)</i>		
27 53 13 16-0028 EA 2.5", Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	167.75 -7.86 -13.11	18.35
27 53 13 16-0029 EA 4" Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	275.61 -14.34 -23.89	18.35
<b>27 53 13 16-0030 Replacement Modules For 120 Volt AC, Digital, Wired Self-Corrective Clocks</b> <i>(27 53 13 16-0020)</i>		
27 53 13 16-0031 EA 2.5", Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	167.75 -7.86 -13.11	18.35
27 53 13 16-0032 EA 4" Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	275.61 -14.34 -23.89	18.35
<b>27 53 13 16-0033 Accessories For Digital Wired Self-Corrective Clocks</b> <i>(27 53 13 16-0020)</i>		
27 53 13 16-0034 EA Wire Guard For 4" Surface Mount Analog Wired Self-Corrective Clocks.....	177.63	9.17
27 53 13 16-0035 EA 2.5", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks.....	43.09	9.17
27 53 13 16-0036 EA 4", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks.....	59.33	9.17
27 53 13 16-0037 EA Dual Mounting Kit For Surface Mount Digital Wired Self-Corrective Clocks .....	155.20	9.17
27 53 13 16-0038 EA 4 Gang Extension Ring For Surface Mount Digital Wired Self-Corrective Clocks.....	44.26	9.17
<b>27 53 13 16-0039 Wired Self-Corrective Master Clocks</b> <i>(27 53 13 16-0001)</i>		
<b>27 53 13 16-0040 Wired Self-Corrective Master Clocks</b> <i>(27 53 13 16-0039)</i>		
27 53 13 16-0041 EA 24 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-24).....	1,836.80	146.75
27 53 13 16-0042 EA 120 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-120).....	1,952.78	146.75
<b>27 53 13 16-0043 Accessories For Wired Self-Corrective Master Clocks</b> <i>(27 53 13 16-0039)</i>		
27 53 13 16-0044 EA 5 Amp Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2405).....	190.52	36.69
27 53 13 16-0045 EA 10 Amp Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2406).....	214.87	36.69
<b>27 53 13 16-0046 Other Clock And Program Systems</b> <i>(27 53 13 16)</i>		
27 53 13 16-0047 EA 4 Circuit Master Clock And Signal Control (Lathem LTR4-512).....	1,122.17	73.38
27 53 13 16-0048 EA 8 Circuit Master Clock And Signal Control (Lathem LTR8-512).....	1,361.42	146.75
27 53 13 16-0049 EA Program Bell (Lathem 906-6).....	167.31	36.69
27 53 13 16-0050 EA Combination Clock And Speaker .....	380.50	91.72

**END OF SECTION 27**

**27 Communications**

27 50 Distributed Communications And Monitoring Systems

27 53 Distributed Systems



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MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 28 Electronic Safety And Security

Note: Termination costs are included with all safety and security equipment, panel boards, and devices. Terminations are not included with patch panels.

### 28 05 Common Work Results For Electronic Safety And Security <sup>(28)</sup>

#### 28 05 14 Conductors And Cables For Electronic Safety And Security <sup>(28 05)</sup>

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

<b>28 05 14 13</b>	<b>CCTV Communications Conductors And Cables</b> <sup>(28 05 14)</sup>			
		See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 14 00 00-0000 for conductors and cables.		
<b>28 05 14 16</b>	<b>Access Control Communications Conductors And Cables</b> <sup>(28 05 14)</sup>			
		See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 14 00 00-0000 for conductors and cables.		
<b>28 05 14 19</b>	<b>Intrusion Detection Communications Conductors And Cables</b> <sup>(28 05 14)</sup>			
		See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 14 00 00-0000 for conductors and cables, 28 05 14 23-0000 for Type FPLP.		
<b>28 05 14 23</b>	<b>Fire Alarm Communications Conductors And Cables</b> <sup>(28 05 14)</sup>			
28 05 14 23-0001	Fire Alarm/Life Safety Cable <sup>(28 05 14 23)</sup>			
28 05 14 23-0002	Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable <sup>(28 05 14 23-0001)</sup>			
28 05 14 23-0003	Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit <sup>(28 05 14 23-0002)</sup>			
28 05 14 23-0004	MLF 1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	1,220.07		499.26
28 05 14 23-0005	MLF 2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	1,507.41		517.31
28 05 14 23-0006	MLF 1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	1,391.40		567.50
28 05 14 23-0007	MLF 2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	1,850.26		587.76
28 05 14 23-0008	MLF 1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	1,600.15		635.31
28 05 14 23-0009	MLF 2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	2,254.26		658.19
28 05 14 23-0010	MLF 1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	2,058.16		726.44
28 05 14 23-0011	MLF 2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	3,075.37		752.34
28 05 14 23-0012	Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed <sup>(28 05 14 23-0002)</sup>			
28 05 14 23-0013	MLF 1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	2,052.18		998.67
28 05 14 23-0014	MLF 2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	2,369.60		1,034.63
28 05 14 23-0015	MLF 1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	2,337.23		1,135.15
28 05 14 23-0016	MLF 2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	2,829.84		1,175.51
28 05 14 23-0017	MLF 1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	2,658.99		1,270.90
28 05 14 23-0018	MLF 2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	3,351.27		1,316.40
28 05 14 23-0019	MLF 1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	3,268.89		1,452.88
28 05 14 23-0020	MLF 2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	4,329.40		1,504.97
28 05 14 23-0021	Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit <sup>(28 05 14 23-0001)</sup>			
28 05 14 23-0022	MLF 2/c #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	765.33		408.56
28 05 14 23-0023	MLF 4/c #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	829.43		423.10
28 05 14 23-0024	MLF 2/c #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	930.86		499.26
28 05 14 23-0025	MLF 3/c #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	995.08		508.28
28 05 14 23-0026	MLF 4/c #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	1,033.73		517.31

**28 Electronic Safety And Security**  
**28 05 Common Work Results For Electronic Safety And Security**  
**28 05 14 Conductors And Cables For Electronic Safety And Security**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 05 14 23-0027 MLF 6/c #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,159.44	535.36
28 05 14 23-0028 MLF 8/c #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,340.56	553.42
28 05 14 23-0029 MLF 2/c #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,087.45	567.50
28 05 14 23-0030 MLF 4/c #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,227.79	587.76
28 05 14 23-0031 MLF 2/c #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,261.79	635.31
28 05 14 23-0032 MLF 4/c #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,481.83	658.19
28 05 14 23-0033 MLF 2/c #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,544.57	726.44
28 05 14 23-0034 MLF 4/c #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,900.49	752.34
<b>28 05 14 23-0035 Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable</b> <small>(28 05 14 23-0001)</small>		
<b>28 05 14 23-0036 Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit</b> <small>(28 05 14 23-0035)</small>		
28 05 14 23-0037 MLF 2/c #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	758.69	408.56
28 05 14 23-0038 MLF 2/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	926.54	499.26
28 05 14 23-0039 MLF 3/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,036.78	508.28
28 05 14 23-0040 MLF 4/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,045.28	517.31
28 05 14 23-0041 MLF 6/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,219.71	535.36
28 05 14 23-0042 MLF 2/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,080.93	567.50
28 05 14 23-0043 MLF 4/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,242.42	587.76
28 05 14 23-0044 MLF 2/c #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,232.44	635.31
28 05 14 23-0045 MLF 4/c #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,598.46	658.19
28 05 14 23-0046 MLF 2/c #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,534.98	726.44
28 05 14 23-0047 MLF 4/c #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,077.55	752.34
<b>28 05 14 23-0048 Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed</b> <small>(28 05 14 23-0035)</small>		
28 05 14 23-0049 MLF 2/c #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	1,439.64	817.43
28 05 14 23-0050 MLF 2/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	1,758.65	998.67
28 05 14 23-0051 MLF 3/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	1,883.56	1,016.28
28 05 14 23-0052 MLF 4/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	1,907.47	1,034.63
28 05 14 23-0053 MLF 6/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,111.97	1,070.58
28 05 14 23-0054 MLF 2/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,026.76	1,135.15
28 05 14 23-0055 MLF 4/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,222.00	1,175.51
28 05 14 23-0056 MLF 2/c #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,291.28	1,270.90
28 05 14 23-0057 MLF 4/c #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,695.47	1,316.40
28 05 14 23-0058 MLF 2/c #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,745.71	1,452.88
28 05 14 23-0059 MLF 4/c #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,331.58	1,504.97
<b>28 05 14 23-0060 Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable</b> <small>(28 05 14 23-0001)</small>		
<b>28 05 14 23-0061 Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit</b> <small>(28 05 14 23-0060)</small>		
28 05 14 23-0062 MLF 2/c #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	786.03	408.56
28 05 14 23-0063 MLF 2/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	946.06	499.26
28 05 14 23-0064 MLF 3/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,109.25	508.28
28 05 14 23-0065 MLF 4/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,065.26	517.31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 05 14 23-0066 MLF 6/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,240.14	535.36
28 05 14 23-0067 MLF 2/c #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,125.80	567.50
28 05 14 23-0068 MLF 4/c #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,263.17	587.76
28 05 14 23-0069 MLF 2/c #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,329.22	635.31
28 05 14 23-0070 MLF 4/c #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,549.94	658.19
28 05 14 23-0071 MLF 2/c #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,606.60	726.44
28 05 14 23-0072 MLF 4/c #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,930.22	752.34
<b>28 05 14 23-0073</b> <b>Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed</b> <small>(28 05 14 23-0060)</small>		
28 05 14 23-0074 MLF 2/c #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	1,466.98	817.43
28 05 14 23-0075 MLF 2/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	1,778.17	998.67
28 05 14 23-0076 MLF 3/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	1,956.03	1,016.28
28 05 14 23-0077 MLF 4/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	1,927.45	1,034.63
28 05 14 23-0078 MLF 6/c #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	2,132.40	1,070.58
28 05 14 23-0079 MLF 2/c #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	2,071.63	1,135.15
28 05 14 23-0080 MLF 4/c #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	2,242.75	1,175.51
28 05 14 23-0081 MLF 2/c #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	2,388.06	1,270.90
28 05 14 23-0082 MLF 4/c #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	2,646.95	1,316.40
28 05 14 23-0083 MLF 2/c #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	2,817.33	1,452.88
28 05 14 23-0084 MLF 4/c #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	3,184.25	1,504.97
<b>28 05 14 23-0085</b> <b>Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable</b> <small>(28 05 14 23-0001)</small>		
<b>28 05 14 23-0086</b> <b>Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit</b> <small>(28 05 14 23-0085)</small>		
28 05 14 23-0087 MLF 2/c #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	761.08	408.56
28 05 14 23-0088 MLF 2/c #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	958.83	499.26
28 05 14 23-0089 MLF 3/c #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	1,036.59	508.28
28 05 14 23-0090 MLF 4/c #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	1,101.92	517.31
28 05 14 23-0091 MLF 6/c #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	1,245.01	535.36
28 05 14 23-0092 MLF 2/c #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	1,106.56	567.50
28 05 14 23-0093 MLF 4/c #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	1,302.39	587.76
28 05 14 23-0094 MLF 2/c #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	1,297.33	635.31
28 05 14 23-0095 MLF 4/c #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	1,649.95	658.19
28 05 14 23-0096 MLF 2/c #12 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit .....	1,562.22	726.44
<b>28 05 14 23-0097</b> <b>Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed</b> <small>(28 05 14 23-0085)</small>		
28 05 14 23-0098 MLF 2/c #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	1,442.03	817.43
28 05 14 23-0099 MLF 2/c #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	1,790.94	998.67
28 05 14 23-0100 MLF 3/c #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	1,883.37	1,016.28
28 05 14 23-0101 MLF 4/c #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	1,964.11	1,034.63
28 05 14 23-0102 MLF 6/c #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	2,137.27	1,070.58
28 05 14 23-0103 MLF 2/c #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	2,052.39	1,135.15
28 05 14 23-0104 MLF 4/c #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	2,281.97	1,175.51
28 05 14 23-0105 MLF 2/c #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	2,356.17	1,270.90
28 05 14 23-0106 MLF 4/c #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	2,746.96	1,316.40
28 05 14 23-0107 MLF 2/c #12 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	2,772.95	1,452.88

**28 05 26 Grounding And Bonding For Electronic Safety And Security** (28 05)

See CSI section 26 05 26 00-0000 for grounding and bonding.

**28 05 53 Identification For Electronic Safety And Security** (28 05)

See CSI section 26 05 53 00-0000 for identification.

**28 10 Access Control** (28)



**28 Electronic Safety And Security****28 10 Access Control**

28 05 53 Identification For Electronic Safety And Security

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

Note: Includes testing of new devices and certification.

**28 15 Integrated Access Control Hardware Devices** (28 10)**28 15 11 Integrated Credential Readers and Field Entry Management** (28 15)**28 15 11 13 Keypads** (28 15 11)**28 15 11 13-0001 Vindicator Security Alarm System** (28 15 11 13)

28 15 11 13-0002	EA	Switch, Balanced Magnetic Door (Security) Vindicator #192-30894-00.....	957.94	153.00
28 15 11 13-0003	EA	Detector, Passive Infrared (Security) Vindicator #316-30812-00 .....	1,210.48	198.85
28 15 11 13-0004	EA	Premise Control Unit (Security) Vindicator #548-32004-01 .....	6,546.34	435.86
28 15 11 13-0005	EA	Access Manager (Security Key Pad) Vindicator #548-31894-01 .....	3,097.60	371.44
28 15 11 13-0006	EA	ALS Duress Switch (Security) Vindicator #192-30810-00.....	772.85	203.18

**28 16 Access Control Interfaces** (28 10)**28 16 11 Access Control Interfaces to Access Control Hardware** (28 16)**28 16 11 00-0001 Stand Alone Access Controls** (28 16 11)**28 16 11 00-0002 Push Button Controls, Stand Alone Access Controls** (28 16 11 00-0001)**28 16 11 00-0003 Interior Mount, Push Button Controls, Stand Alone Access Controls** (28 16 11 00-0002)

28 16 11 00-0004	EA	Exit Push Button, Push Button Controls, Interior Stand Alone Access Controls .....	86.86	18.35
Note: Controls mount to a standard mullion.				
28 16 11 00-0005	EA	Exit Push Button, Push Button Controls, Interior Stand Alone Access Controls .....	91.04	18.35
Note: Controls mount into a single gang electrical box. Excludes electrical box.				
28 16 11 00-0006	EA	Three Button, Push Button Controls, Interior Stand Alone Access Controls For Gate Operators .....	115.09	18.35
Note: Controls mount into a single gang electrical box. Excludes electrical box.				

**28 16 11 00-0007 Exterior Mount, Push Button Controls, Stand Alone Access Controls** (28 16 11 00-0002)

Note: Includes a lockable, gasketed 16 gauge steel enclosure. Excludes mounting posts.				
28 16 11 00-0008	EA	Handicap/Push To Open, Push Button Controls, Exterior Stand Alone Access Controls .....	109.16	18.35
Note: Controls mount into a single gang electrical box. Excludes electrical box.				
28 16 11 00-0009	EA	42" High Aluminum Post With Handicap/Push To Open, Push Button Controls, Exterior Stand Alone Access Controls .....	526.79	55.03
Note: Includes post, mounting base and push button control. Excludes concrete foundation.				
28 16 11 00-0010	EA	Three Button, Exterior Stand Alone Access Controls For Gate Operators.....	177.80	18.35
Note: Includes open, close and stop controls.				

**28 16 11 00-0011 Key Controls, Stand Alone Access Controls** (28 16 11 00-0001)**28 16 11 00-0012 Interior Mount, Key Controls, Stand Alone Access Controls** (28 16 11 00-0011)

28 16 11 00-0013	EA	Standard Mortise Key, Key Controls, Interior Stand Alone Access Controls.....	122.93	18.35
Note: Controls mount into a single gang electrical box. Excludes electrical box.				

**28 16 11 00-0014 Exterior Mount, Key Controls, Stand Alone Access Controls** (28 16 11 00-0011)

Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.				
28 16 11 00-0015	EA	Postal Or Fire Department Lock Box, Key Controls, Exterior Stand Alone Access Controls .....	188.36	36.69
Note: Opens door or gate with a postal or fire department key.				
28 16 11 00-0016	EA	Standard Mortise Key, Key Controls, Exterior Stand Alone Access Controls .....	299.16	36.69
28 16 11 00-0017	EA	Ace Key, Key Controls, Exterior Stand Alone Access Controls .....	299.16	36.69
28 16 11 00-0018	EA	Standard Mortise Key And Push Button Intercom, Key Controls, Exterior Stand Alone Access Controls.....	458.04	36.69

**28 16 11 00-0019 Keypad Controls, Stand Alone Access Controls** (28 16 11 00-0001)**28 16 11 00-0020 Interior Mount, Keypad Controls, Stand Alone Access Controls** (28 16 11 00-0019)

28 16 11 00-0021	EA	One Code Memory, Keypad Control, Interior Stand Alone Access Controls.....	172.58	18.35
Note: Stores one 4-digit entry code and one 4-digit hold code. Controls mount into a single gang electrical box. Excludes electrical box.				

**28 16 11 00-0022 Exterior Mount, Keypad Controls, Stand Alone Access Controls** (28 16 11 00-0019)

Note: Includes a surface mounted lockable NEMA rain resistant steel enclosure. Excludes mounting posts.				
28 16 11 00-0023	<b>Keypad Controls, Exterior Stand Alone Access Controls</b> (28 16 11 00-0022)			
28 16 11 00-0024	EA	1000 Code Memory, Keypad Control, Exterior Stand Alone Access Controls .....	721.65	73.38
Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.				
For Flush Mount, Add			129.35	

**28 16 11 00-0025 Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls** (28 16 11 00-0022)

Note: Includes intercom sub-station. Excludes additional receiving intercoms.				
28 16 11 00-0026	EA	1000 Code Memory, Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls.....	875.89	82.55
Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.				
For Flush Mount, Add			159.93	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0027				RF Controls, Stand Alone Access Controls <small>(28 16 11 00-0001)</small>		
28 16 11 00-0028				Exterior Mount, RF Controls, Stand Alone Access Controls <small>(28 16 11 00-0027)</small> Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0029				RF Receivers, RF Controls, Exterior Stand Alone Access Controls <small>(28 16 11 00-0028)</small> Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0030	EA			50 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	428.97	73.38
28 16 11 00-0031	EA			100 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	485.42	73.38
28 16 11 00-0032	EA			250 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	539.77	73.38
28 16 11 00-0033	EA			500 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	598.31	73.38
28 16 11 00-0034	EA			1000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	652.66	73.38
28 16 11 00-0035	EA			5000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	711.20	73.38
28 16 11 00-0036	EA			16000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	765.55	73.38
28 16 11 00-0037				RF Transmitters, RF Controls, Exterior Stand Alone Access Controls <small>(28 16 11 00-0028)</small>		
28 16 11 00-0038	EA			1 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls..... <i>For &gt;40 To 110, Deduct</i> <i>For &gt;110, Deduct</i> <i>For Built In Proximity Tags, Add</i>	35.54 -1.78 -3.55 7.11	
28 16 11 00-0039	EA			2 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls..... <i>For &gt;40 To 110, Deduct</i> <i>For &gt;110, Deduct</i> <i>For Built In Proximity Tags, Add</i>	37.63 -1.88 -3.76 7.53	
28 16 11 00-0040	EA			3 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls..... <i>For &gt;40 To 110, Deduct</i> <i>For &gt;110, Deduct</i> <i>For Built In Proximity Tags, Add</i>	39.72 -1.99 -3.97 7.94	
28 16 11 00-0041				Accessories For RF Receivers, Exterior Stand Alone Access Controls <small>(28 16 11 00-0028)</small>		
28 16 11 00-0042	EA			Coax Antenna Kit For RF Receivers, Exterior Stand Alone Access Controls ..... Note: Includes 15' of coax cable.	160.24	55.03
28 16 11 00-0043	EA			Antenna Amplifier For RF Receivers, Exterior Stand Alone Access Controls..... Note: Includes 20' of coax cable.	319.13	55.03
28 16 11 00-0044	EA			Yagi High-Gain Antenna Kit For RF Receivers, Exterior Stand Alone Access Controls ..... Note: Includes 15' of coax cable.	289.86	55.03
28 16 11 00-0045				Proximity Card Controls, Stand Alone Access Controls <small>(28 16 11 00-0001)</small>		
28 16 11 00-0046				Exterior Mount, Proximity Card Controls, Stand Alone Access Controls <small>(28 16 11 00-0045)</small> Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0047				DKS Proximity Card Controls, Exterior Stand Alone Access Controls <small>(28 16 11 00-0046)</small>		
28 16 11 00-0048				DKS Proximity Card Readers, Exterior Stand Alone Access Controls <small>(28 16 11 00-0047)</small>		
28 16 11 00-0049	EA			DKS Proximity Card Reader, Exterior Stand Alone Access Controls.....	826.18	73.38
28 16 11 00-0050				AWID Proximity Card Controls, Exterior Stand Alone Access Controls <small>(28 16 11 00-0046)</small>		
28 16 11 00-0051				AWID Proximity Card Readers, Exterior Stand Alone Access Controls <small>(28 16 11 00-0050)</small>		
28 16 11 00-0052	EA			AWID Proximity Card Reader, Exterior Stand Alone Access Controls.....	899.35	73.38
28 16 11 00-0053				HID Proximity Card Controls, Exterior Stand Alone Access Controls <small>(28 16 11 00-0046)</small>		
28 16 11 00-0054				HID Proximity Card Readers, Exterior Stand Alone Access Controls <small>(28 16 11 00-0053)</small>		
28 16 11 00-0055	EA			HID Proximity Card Reader, Exterior Stand Alone Access Controls.....	1,066.59	73.38
28 16 11 00-0056				Magnetic Stripe Card Controls, Stand Alone Access Controls <small>(28 16 11 00-0001)</small>		
28 16 11 00-0057				Interior Mount, Magnetic Stripe Card Controls, Stand Alone Access Controls <small>(28 16 11 00-0056)</small>		
28 16 11 00-0058	EA			Magnetic Stripe Reader, Interior Stand Alone Access Controls.....	491.69	73.38
28 16 11 00-0059				Exterior Mount, Magnetic Stripe Card Controls, Stand Alone Access Controls <small>(28 16 11 00-0056)</small> Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0060	EA			Magnetic Stripe Reader, Exterior Stand Alone Access Controls.....	609.74	73.38
28 16 11 00-0061				Other Stand Alone Access Controls <small>(28 16 11 00-0001)</small>		

**28 Electronic Safety And Security****28 10 Access Control****28 16 Access Control Interfaces**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0062 EA Toggle Switch, Interior Access Controls For Gate Operators ..... Note: Controls mount into a single gang electrical box. Excludes electrical box.	83.73	18.35
28 16 11 00-0063 EA Request To Exit Motion Detector (Bosch Security Systems DS160) .....	84.98	14.68
<b>28 16 11 00-0064 Wiegand Output Access Controls (28 16 11)</b> Note: Excludes controllers.		
<b>28 16 11 00-0065 Proximity Card Controls, Wiegand Output Access Controls (28 16 11 00-0064)</b>		
<b>28 16 11 00-0066 DKS, Proximity Card Controls, Wiegand Output Access Controls (28 16 11 00-0065)</b>		
<b>28 16 11 00-0067 DKS, Proximity Cards (28 16 11 00-0066)</b>		
28 16 11 00-0068 EA Clamshell Type, DKS Proximity Card (DKS 170).....	5.56	
28 16 11 00-0069 EA ISO Compliant Graphics Card, DKS Proximity Card (DKS 80) .....	9.17	
28 16 11 00-0070 EA DKS Proximity Key Fob (DKS 50).....	9.66	
28 16 11 00-0071 EA Active Tag, DKS Proximity Tag (DKS 150)..... Note: Battery powered tag to boost signal.	54.63	
28 16 11 00-0072 EA Active Tag, DKS Proximity Tag (DKS 200)..... Note: Battery powered tag to boost signal.	71.22	
<b>28 16 11 00-0073 DKS, Proximity Card Readers, Wiegand Output Access Controls (28 16 11 00-0066)</b>		
28 16 11 00-0074 EA Up To 2" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Small).....	294.66	91.72
28 16 11 00-0075 EA Up To 3" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Mullion) .....	294.66	91.72
28 16 11 00-0076 EA Up To 4" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Single Gang).....	294.66	91.72
28 16 11 00-0077 EA Up To 30" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS)..... Note: Includes mounting bracket and 12 VDC regulated power supply.	815.62	91.72
<b>28 16 11 00-0078 AWID, Proximity Card Controls, Wiegand Output Access Controls (28 16 11 00-0065)</b>		
<b>28 16 11 00-0079 AWID, Proximity Cards (28 16 11 00-0078)</b>		
28 16 11 00-0080 EA Clamshell Type, AWID Proximity Card (AWID Prox-Linc CS).....	4.68	
28 16 11 00-0081 EA ISO Compliant Graphics Card, AWID Proximity Card (AWID Prox-Linc GR).....	7.32	
28 16 11 00-0082 EA AWID Proximity Key Fob (AWID Prox-Linc KT) .....	7.80	
28 16 11 00-0083 EA Windshield Tag For LR 2000 Readers, AWID Proximity Tag.....	27.32	
28 16 11 00-0084 EA Metal Mount Tag For LR 2000 Readers, AWID Proximity Tag .....	27.32	
<b>28 16 11 00-0085 AWID, Proximity Card Readers, Wiegand Output Access Controls (28 16 11 00-0078)</b>		
28 16 11 00-0086 EA Up To 4" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID SR 2400)..... Note: For mullion mounting.	359.05	91.72
28 16 11 00-0087 EA Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6800)..... Note: For mullion mounting.	499.53	91.72
28 16 11 00-0088 EA Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6820)..... Note: For single gang electrical box mounting.	499.53	91.72
28 16 11 00-0089 EA Up To 24" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MR 1824)..... Note: Includes 12 VDC regulated power supply.	817.57	91.72
28 16 11 00-0090 EA Up To 11" Read Range, 12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID LR 2000)..... Note: Includes mounting bracket and 12 VDC regulated power supply.	4,634.08	91.72
<b>28 16 11 00-0091 HID, Proximity Card Controls, Wiegand Output Access Controls (28 16 11 00-0065)</b>		
<b>28 16 11 00-0092 HID, Proximity Cards (28 16 11 00-0091)</b>		
28 16 11 00-0093 EA Clamshell Type, HID Proximity Card (HID ProxCard II).....	11.16	
28 16 11 00-0094 EA ISO Compliant Graphics Card, HID Proximity Card (HID ISOProx II).....	14.67	
28 16 11 00-0095 EA HID Proximity Key Fob (HID ProxKey II).....	15.06	
<b>28 16 11 00-0096 HID, Proximity Card Readers, Wiegand Output Access Controls (28 16 11 00-0091)</b>		
28 16 11 00-0097 EA Up To 3" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ProxPoint Plus)..... Note: For mullion mounting. (HID P/N 6005).	321.34	91.72
28 16 11 00-0098 EA Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ThinLine II)..... Note: For single gang electrical box mounting. (HID P/N 5395).	377.06	91.72
28 16 11 00-0099 EA Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID MiniProx)..... Note: For mullion mounting. (HID P/N 5365).	418.85	91.72
28 16 11 00-0100 EA EntryProx Single-Door Proximity Access Control .....	531.67	91.72
Note: (HID P/N 4045) Stores up to 2,000 users and 1,000 time-stamped transactions 12 position keypad for Pin entry or programming optional use with card/key fob, code only or card plus pin code Wiegand output mode. Continental Instrument CICR2358P.		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0101				Contactless Smart Card Controls, Wiegand Output Access Controls <sup>(28 16 11 00-0064)</sup>		
28 16 11 00-0102				HID, Contactless Smart Cards <sup>(28 16 11 00-0101)</sup>		
28 16 11 00-0103	EA			2K Bits, Clamshell Type, HID iClass, Contactless Smart Card.....	8.59	
28 16 11 00-0104	EA			16K Bits, ISO Compliant Graphics Card, HID iClass, Contactless Smart Card .....	9.37	
28 16 11 00-0105	EA			16K Bits, Contactless Smartcard Key Fob, HID iClass, Contactless Smart Card .....	12.26	
28 16 11 00-0106	EA			16K Bits, Contactless Smartcard Tag, HID iClass, Contactless Smart Card .....	6.64	
				Note: Battery powered tag to boost signal.		
28 16 11 00-0107				HID, Contactless Smart Card Readers, Wiegand Output Access Controls <sup>(28 16 11 00-0101)</sup>		
28 16 11 00-0108	EA			Up To 3-1/4" Read Range, 5-16 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R10) .....	338.28	91.72
				Note: For mullion mounting.		
28 16 11 00-0109	EA			Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R40) .....	467.06	91.72
				Note: For mullion mounting.		
28 16 11 00-0110	EA			Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader With Keypad, Wiegand Output Access Controls (HID RK40) .....	756.81	91.72
				Note: For mullion mounting.		
28 16 11 00-0111				HID, Contactless Smart Card Programmer, Wiegand Output Access Controls <sup>(28 16 11 00-0101)</sup>		
28 16 11 00-0112	EA			HID iClass Contactless Smart Card Programmer, Wiegand Output Access Controls (HID CP400) .....	2,386.46	91.72
				Note: For mullion mounting.		
28 16 11 00-0113				Call Station Controls, Wiegand Output Access Controls <sup>(28 16 11 00-0064)</sup>		
				Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0114	EA			Call Station With Entry Keypad, Exterior Wiegand Output Access Controls.....	936.04	91.72
				Note: For mullion mounting.		
28 16 11 00-0115	EA			Call Station With Proximity Card Reader, Exterior Wiegand Output Access Controls .....	779.25	91.72
				Note: For mullion mounting.		
28 16 11 00-0116				Biometrics Readers, Wiegand Output Access Controls <sup>(28 16 11 00-0064)</sup>		
28 16 11 00-0117	EA			Palm Reader Recognition System, Biometrics Readers, Wiegand Output Access Controls .....	3,834.90	73.38
28 16 11 00-0118	EA			CCD Camera, Face Image, Biometrics Readers, Wiegand Output Access Controls.....	4,682.41	73.38
28 16 11 00-0119	EA			Video Grabber Card For DFR Reader, Biometrics Readers, Wiegand Output Access Controls.....	1,850.29	73.38
28 16 11 00-0120	EA			Fingerprint Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Pass) .....	1,212.23	73.38
28 16 11 00-0121	EA			Fingerprint Reader With HID Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Prox) .....	1,350.21	73.38
28 16 11 00-0122	EA			Fingerprint Reader With Contactless Smart Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Smart) .....	1,212.23	73.38
28 16 11 00-0123				Exterior Mounting Posts For Gate Operator Access Controls <sup>(28 16 11)</sup>		
				Note: Includes mounting plate for access controls, baked on enamel finish and mounting bolt covers. Excludes concrete pads and electrical connections.		
28 16 11 00-0124				2" x 2" Steel, Exterior Mounting Posts For Gate Operator Access Controls <sup>(28 16 11 00-0123)</sup>		
28 16 11 00-0125	EA			44" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	243.17	9.74
				Note: Includes a 5" x 5" base plate.		
28 16 11 00-0126	EA			73" Tall, Gooseneck Style, Dual Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls .....	489.85	9.74
				Note: Includes an 8" x 8" base plate.		
28 16 11 00-0127	EA			Anchor Post For 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls .....	218.08	9.74
				Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		
28 16 11 00-0128				4" x 4" Steel, Exterior Mounting Posts For Gate Operator Access Controls <sup>(28 16 11 00-0123)</sup>		
28 16 11 00-0129	EA			59" Tall, Straight Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls .....	450.13	9.74
				Note: Includes an 8" x 8" base plate.		
28 16 11 00-0130	EA			49" Tall, Offset Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls .....	542.12	9.74
				Note: Includes an 8" x 8" base plate and a 14" offset from back of post.		
28 16 11 00-0131	EA			Anchor Post For 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls .....	322.61	9.74
				Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		
28 16 11 00-0132				4" x 8" Steel, Exterior Mounting Posts For Gate Operator Access Controls <sup>(28 16 11 00-0123)</sup>		
28 16 11 00-0133	EA			59" Tall, Straight Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls .....	1,514.22	9.74
				Note: Includes a 11" x 13" base plate.		
28 16 11 00-0134	EA			50" Tall, Offset Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls.....	1,587.39	9.74
				Note: Includes a 10" x 14" base plate and a 14" offset from back of post.		
28 16 11 00-0135	EA			Anchor Post For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls .....	636.19	9.74
				Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		

**28 Electronic Safety And Security****28 10 Access Control****28 16 Access Control Interfaces**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0136 EA 48" Light Tower For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls .....	1,033.40	9.74
<b>28 16 11 00-0137 Access Control Accessories</b> <small>(28 16 11)</small>		
28 16 11 00-0138 EA 6 Volt DC, 12 Volt DC, Or 24 Volt DC, @ 4 Amps, Power Supply/Charger (Altronix SMP-5) .....	368.96	
28 16 11 00-0139 EA 12 Volt, 7 Amp, Battery (Power-Sonic PS12N7D3B) .....	48.15	
28 16 11 00-0140 EA 12 Volt, 18 Amp, Battery (Power-Sonic PTX20LBS) .....	107.33	
28 16 11 00-0141 EA Door Personality Module (Sensormatic RM-4) .....	401.57	18.35
28 16 11 00-0142 EA Mini-Alert Door Ajar Sounder (System Sensor PA400) .....	164.95	36.69
28 16 11 00-0143 EA Recessed Contact For Steel Doors, Door Monitor Switch (Sentrol 1078C) .....	56.52	22.02
28 16 11 00-0144 EA Access Control Systems Power Supply (Altronix AL400ULACMCB) .....	440.12	14.68
28 16 11 00-0145 EA Surge Suppressor (Tripp-Lite IBAR4) .....	66.53	3.68
28 16 11 00-0146 EA Door Strike Relay (Altronix RBSN-TTL) .....	47.61	14.68
28 16 11 00-0147 EA 4" Diameter x 74" High, Powder Coated Steel, Burial Mount Gooseneck For Access Control Devices (GNB-1) .....	307.26	
Note: Set in concrete.		
28 16 11 00-0148 EA 16-Zone Input, Door Controller Expansion Module With 16" SPI Cable (Kantech KT-MOD-INP16) .....	396.44	91.72
<b>28 16 11 00-0149 Access Controllers</b> <small>(28 16 11)</small>		
<b>28 16 11 00-0150 Microterm Controller</b> <small>(28 16 11 00-0149)</small>		
28 16 11 00-0151 EA Microterm Stand Alone One Or Two Door Processing Panel (Continental Instruments CICIP1100) .....	1,018.91	91.72
Note: Up to 1,000 card capacity. Includes 2 alarm inputs, tamper alarm, and 3 relay outputs.		
28 16 11 00-0152 EA Microterm PC Board (Continental Instruments CICIP1100PCB) .....	733.82	55.03
28 16 11 00-0153 EA Battery Standby For Microterm (Continental Instruments CICIP1100BAT-2) .....	347.72	
Note: Input 120VAC, output 12VDC to temporarily power the Microterm only.		
<b>28 16 11 00-0154 Miniterm Controller</b> <small>(28 16 11 00-0149)</small>		
28 16 11 00-0155 EA Miniterm Two Reader Processing Panel (Continental Instrument CICIP1200) .....	1,592.50	91.72
Note: Up to 3,000 card capacity. Includes 8 EOL Class A supervised alarm inputs, temper alarm, and 5 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.		
28 16 11 00-0156 EA Miniterm PC Board (Continental Instrument CICIP1200PCB) .....	1,202.64	55.03
<b>28 16 11 00-0157 Super-2 Controller</b> <small>(28 16 11 00-0149)</small>		
28 16 11 00-0158 EA Super-Two - Two Reader Processing Panel (Continental Instruments CICIP1300) .....	1,180.12	91.72
Note: For use with CA3000 V2.0.25 and above. Up to a 125,000 card capacity, 8 EOL supervised alarm inputs, tamper, 5 relay outputs. Support for on-board LAN adapter, 57,600 baud rate, 6 access groups per card-holder and compressed data mode. Complete in a lockable steel enclosure with battery standby for memory and system operation.		
28 16 11 00-0159 EA Super-Two - PC Board (Continental Instruments CICIP1300BD) .....	808.50	55.03
28 16 11 00-0160 EA Network Interface Board For Super-2 (Continental Instruments CICIP1300NETBD) .....	224.63	55.03
Note: Optional on-board adapter allows for communication over TCP/IP.		
<b>28 16 11 00-0161 Smarterm Controller</b> <small>(28 16 11 00-0149)</small>		
28 16 11 00-0162 EA Smarterm Four Reader Processing Panel (Continental Instrument CICIP1400) .....	3,340.41	110.07
Note: Card capacity up to 2,500. Includes 16 alarm inputs, tamper alarm, and 9 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.		
28 16 11 00-0163 EA Smarterm PC Board (Continental Instrument CICIP1400PCB) .....	2,569.17	55.03
28 16 11 00-0164 EA Smarterm Memory Board - 256K (Continental Instrument CICIP1400MB256-1) .....	1,000.38	55.03
Note: Up to 10,000 cardholders.		
28 16 11 00-0165 EA Smarterm Memory Board - 2MB (Continental Instrument CICIP1400MB2-1) .....	1,421.76	55.03
Note: Up to 50,000 cardholders.		
28 16 11 00-0166 EA Smarterm Relay Expander Board (Continental Instrument CICIP1400RB) .....	1,106.01	55.03
Note: 16 Output relays, 8 alarm inputs.		
28 16 11 00-0167 EA Smarterm Alarm Expander Board (Continental Instrument CICIP1400RB) .....	1,106.01	55.03
Note: (Supervised) 16 alarm inputs.		
<b>28 16 11 00-0168 Superterm-4 Controller</b> <small>(28 16 11 00-0149)</small>		
28 16 11 00-0169 EA Superterm-4 - Four Reader Processing Panel (Continental Instrument CICIP1400UL) .....	3,083.26	110.07
Note: 20,000 card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.		
28 16 11 00-0170 EA Superterm-4 PC Board (Continental Instrument CICIP1400ULPCB) .....	2,525.95	55.03
<b>28 16 11 00-0171 Superterm-8 Controller</b> <small>(28 16 11 00-0149)</small>		
28 16 11 00-0172 EA Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICIP1800) .....	4,105.17	183.44
Note: Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.		
28 16 11 00-0173 EA Superterm-8 - Eight Reader Processing Panel, Expanded Power (Continental Instrument CICIP1800EXP) .....	4,456.32	183.44
Note: With expanded power supply. (required if more than 1 relay expander board is used.) Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.		
28 16 11 00-0174 EA Superterm-8 PC Board (Continental Instrument CICIP1800PCB) .....	3,401.10	55.03
<b>28 16 11 00-0175 Turbo Superterm-4 Controller</b> <small>(28 16 11 00-0149)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0176 EA Turbo Superterm-4 - Four Reader Processing Panel (Continental Instrument CICIP1400ULT).....	3,083.26	110.07
Note: 20,000 Card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.		
28 16 11 00-0177 EA Turbo Superterm-4 PC Board (Continental Instrument CICIP1400ULTPCB) .....	2,525.95	55.03
<b>28 16 11 00-0178 Turbo Superterm-8 Controller</b> (28 16 11 00-0149)		
28 16 11 00-0179 EA Turbo Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICIP1800T).....	4,105.17	183.44
Note: For use with CA3000 V2.0.25 and above. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.		
28 16 11 00-0180 EA Turbo Superterm-8 -Eight Reader Processing Panel, Expanded Power (Continental Instrument CICIP1800TEXP) .....	4,456.32	183.44
Note: Required if more than one relay expander board is used. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.		
28 16 11 00-0181 EA Turbo Superterm-8 PC Board (Continental Instrument CICIP1800TPCB).....	3,401.10	55.03
28 16 11 00-0182 EA Superterm Memory Board - 2MB (Continental Instrument CICIP1800MB2) .....	1,421.76	55.03
Note: Up to 140,000 cardholders.		
28 16 11 00-0183 EA Turbo/Superterm-8 Memory Board - 2MB (Continental Instrument CICIP1800MB2X2) .....	1,197.01	55.03
Note: Up to 140,000 cardholders.		
28 16 11 00-0184 EA Turbo Superterm-8 Relay Expander Board (Continental Instrument CICIP1800RB).....	1,107.14	55.03
Note: 16 Output relays, 8 alarm inputs.		
28 16 11 00-0185 EA Turbo Superterm-8 Alarm Expander Board (Continental Instrument CICIP1800RB).....	1,107.14	55.03
Note: (Supervised) 16 Alarm inputs.		
28 16 11 00-0186 EA Expanded Power Supply For Superterm Or Turbo Superterm (Continental Instrument CICIP1800PWS) .....	450.41	
<b>28 16 11 00-0187 Intelligent Controller</b> (28 16 11 00-0149)		
28 16 11 00-0188 EA Intelligent Controller With Paired Reader Interface for One Physical Barrier (Mercury Security EP-1501).....	783.37	55.03
28 16 11 00-0189 EA Up To 64 Doors, Access Controller (Mercury Security EP-1502) .....	1,355.43	91.72
<b>28 16 11 00-0190 Access Control Bundled System</b> (28 16 11)		
28 16 11 00-0191 EA CA 3000 Bundled System, Supports 25 Users (Continental Instrument CA3B250P4O3V0R0) .....	22,326.96	
Note: System includes PC, monitor, keyboard, mouse, OS, Card Access 3000 file server software, MS SQL 2000, 1 SQL host license, and security key.		
<b>28 16 11 00-0192 Magnetic Locks</b> (28 16 11)		
Note: Excludes access controls.		
<b>28 16 11 00-0193 Magnetic Door Locks</b> (28 16 11 00-0192)		
<b>28 16 11 00-0194 300 LB Magnetic Door Locks</b> (28 16 11 00-0193)		
28 16 11 00-0195 EA Single Door, Surface Mount, 300 LB Magnetic Door Lock.....	395.53	73.38
<b>28 16 11 00-0196 600 LB Magnetic Door Locks</b> (28 16 11 00-0193)		
28 16 11 00-0197 EA Single Door, Surface Mount, 600 LB Magnetic Door Lock.....	568.00	73.38
For LED Status Indicator And Signal Relay, Add		
	52.66	
For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add		
	105.31	
For Mortise Mount, Deduct		
	-84.25	
28 16 11 00-0198 EA Dual Doors, Surface Mount, 600 LB Magnetic Door Lock .....	851.27	73.38
For LED Status Indicator And Signal Relay, Add		
	88.07	
For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add		
	176.13	
<b>28 16 11 00-0199 1,200 LB Magnetic Door Locks</b> (28 16 11 00-0193)		
28 16 11 00-0200 EA Single Door, Surface Mount, 1,200 LB Magnetic Door Lock.....	594.13	73.38
For LED Status Indicator And Signal Relay, Add		
	102.90	
For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add		
	134.21	
28 16 11 00-0201 EA Dual Doors, Surface Mount, 1,200 LB Magnetic Door Lock .....	907.71	73.38
For LED Status Indicator And Signal Relay, Add		
	175.02	
For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add		
	228.29	
<b>28 16 11 00-0202 2,000 LB Shear Lock, Magnetic And Mechanical Locks</b> (28 16 11 00-0193)		
Note: Includes LED status indicator and built-in signal relay.		
28 16 11 00-0203 EA Single Door, Mortise Mount, 2,000 LB Shear Lock, Magnetic And Mechanical Door Lock.....	622.35	73.38
<b>28 16 11 00-0204 Magnetic Gate Locks</b> (28 16 11 00-0192)		
<b>28 16 11 00-0205 600 LB Magnetic Gate Locks</b> (28 16 11 00-0204)		
28 16 11 00-0206 EA 600 LB Magnetic Gate Lock.....	464.51	73.38
<b>28 16 11 00-0207 1,200 LB Magnetic Gate Locks</b> (28 16 11 00-0204)		
28 16 11 00-0208 EA 1,200 LB Magnetic Gate Lock.....	559.63	73.38
For LED Status Indicator And Signal Relay, Add		
	51.61	
For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add		
	103.22	
For Mortise Mount, Deduct		
	-82.58	

**28 Electronic Safety And Security****28 10 Access Control****28 16 Access Control Interfaces**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>28 16 11 00-0209</b> <b>Magnetic Lock Power Supply And Chargers</b> <small>(28 16 11 00-0192)</small>		
Note: Includes lockable metal enclosure, batteries, battery charger and electronically regulated outputs.		
28 16 11 00-0210 EA 12/24 Volt DC At 1 Amp, Magnetic Lock Backup Power Supply And Charger.....	342.82	73.38
28 16 11 00-0211 EA 12/24 Volt DC At 2-1/2 Amp, Magnetic Lock Backup Power Supply And Charger.....	437.59	73.38
28 16 11 00-0212 EA 12 Volt DC At 4 Amp And 24 Volt DC At 3 Amp, Magnetic Lock Backup Power Supply And Charger .....	493.34	73.38
28 16 11 00-0213 EA 12/24 Volt DC At 6 Amp, Magnetic Lock Backup Power Supply And Charger.....	621.56	73.38
<b>28 16 11 00-0214</b> <b>Master Door Buzzer Stations</b> <small>(28 16 11)</small>		
<b>28 16 11 00-0215</b> <b>Master Stations</b> <small>(28 16 11 00-0214)</small>		
28 16 11 00-0216 EA Master Stations, 5 Station Intercommunication Equipment.....	674.10	114.47
28 16 11 00-0217 EA Master Stations, 10 Station Intercommunication Equipment.....	1,016.50	221.60
28 16 11 00-0218 EA Master Station, Desk Style Remote Intercommunication Equipment.....	290.31	57.23
28 16 11 00-0219 EA Master Station, Flush Wall Remote Intercommunication Equipment .....	373.15	95.39
28 16 11 00-0220 EA Sound System Outlet, Protector.....	96.72	37.34
28 16 11 00-0221 EA Sound System Microphone Outlet .....	169.99	76.46
28 16 11 00-0222 EA Sound System Speaker Ceiling Or Wall .....	128.53	37.34
28 16 11 00-0223 EA Sound System Monitor Panel .....	373.13	76.46
28 16 11 00-0224 EA Sound System Volume Control.....	111.39	37.34
28 16 11 00-0225 EA Sound System Amplifier 250 W .....	1,722.84	305.76
28 16 11 00-0226 EA Sound System Cabinet .....	1,015.30	305.76
<b>28 16 11 00-0227</b> <b>Master Door Stations</b> <small>(28 16 11 00-0214)</small>		
28 16 11 00-0228 EA Master Door Stations, Button Buzzer Type, 25 Station.....	1,505.77	
For Intercom Type Master Door Station, Add	122.19	
28 16 11 00-0229 EA Master Door Stations, Button Buzzer Type, 50 Station.....	2,494.27	
For Intercom Type Master Door Station, Add	197.95	
28 16 11 00-0230 EA Master Door Stations, Button Buzzer Type, 75 Station.....	3,424.57	
For Intercom Type Master Door Station, Add	256.60	
28 16 11 00-0231 EA Master Door Stations, Button Buzzer Type, 100 Station.....	3,913.77	
For Intercom Type Master Door Station, Add	300.59	
28 16 11 00-0232 EA Master Door Stations, Button Buzzer Type, 150 Station.....	4,742.07	
For Intercom Type Master Door Station, Add	439.88	
28 16 11 00-0233 EA Master Door Stations, Button Buzzer Type, 200 Station.....	5,558.75	
For Intercom Type Master Door Station, Add	566.96	
28 16 11 00-0234 EA Master Door Stations, Button Buzzer Type, 250 Station.....	6,995.77	
For Intercom Type Master Door Station, Add	733.14	
28 16 11 00-0235 EA Master Door Stations, Button Buzzer Type, 300 Station.....	8,361.13	
For Intercom Type Master Door Station, Add	840.67	
28 16 11 00-0236 EA Transformer .....	105.15	
28 16 11 00-0237 EA Door Opener .....	155.67	
28 16 11 00-0238 EA Buzzer With Door Release And Plate .....	192.37	
28 16 11 00-0239 EA Amplifier For Intercom Type Unit .....	312.36	
28 16 11 00-0240 EA Speaker With Door Release .....	131.62	
<b>28 18 Security Access Detection Equipment</b> <small>(28 10)</small>		
<b>28 18 11 Security Access Metal Detectors</b> <small>(28 16)</small>		
28 18 11 00-0001 EA Handheld Scanner (Garrett Super Scanner V) .....	158.98	18.35
28 18 11 00-0002 EA Single-Zone, Walk-Through Metal Detector, Complete Unit (Garrett CS 5000).....	2,560.52	220.14
28 18 11 00-0003 EA Multi-Zone, Walk-Through Metal Detector, Complete Unit (Garrett PD 6500I).....	3,949.54	293.51
<b>28 20 Video Surveillance</b> <small>(28)</small>		
Note: Includes testing of new devices and certification.		
<b>28 21 Surveillance Cameras</b> <small>(28 20)</small>		
<b>28 21 00 00-0001</b> <b>Closed Circuit Television And Surveillance Systems (Pelco)</b> <small>(28 21)</small>		
Note: Includes programming of equipment, testing of new devices and certification.		
28 21 00 00-0002 <b>Cameras And Accessories</b> <small>(28 21 00 00-0001)</small>		
28 21 00 00-0003 <b>Cameras</b> <small>(28 21 00 00-0002)</small>		
28 21 00 00-0004 <b>Compact, 1/3" Format Cameras</b> <small>(28 21 00 00-0003)</small>		
28 21 00 00-0005 <b>High Resolution Color, Compact, 1/3" Format Cameras</b> <small>(28 21 00 00-0004)</small>		
28 21 00 00-0006 EA Wide Dynamic Range, High Resolution Day/Night, Compact, 1/3" Format Camera (Pelco CCC1390H) .....	526.44	18.38
28 21 00 00-0007 EA High Resolution Day/Night, Compact, 1/3" Format Camera (Pelco C10DN-6).....	430.94	18.38
<b>28 21 00 00-0008</b> <b>Day/Night, Compact, 1/3" Format Cameras</b> <small>(28 21 00 00-0004)</small>		
28 21 00 00-0009 EA High Resolution Color, Compact, 1/3" Format Camera (Pelco C10CH-6).....	252.16	18.38



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0010 Camerapaks (28 21 00 00-0002) Note: Includes camera and lens.		
28 21 00 00-0011 Camerapaks (28 21 00 00-0010)		
28 21 00 00-0012 High Resolution Color, Camerapaks (28 21 00 00-0011)		
28 21 00 00-0013 Fixed Focus, High Resolution Color, Camerapaks (28 21 00 00-0012)		
28 21 00 00-0014 Manual Iris, Fixed Focus, High Resolution Color, Camerapaks (28 21 00 00-0013)		
28 21 00 00-0015 EA 2.3 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3) .....	329.70	18.38
28 21 00 00-0016 EA 2.8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8) .....	309.60	18.38
28 21 00 00-0017 EA 4 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4) .....	300.27	18.38
28 21 00 00-0018 EA 8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8) .....	298.11	18.38
28 21 00 00-0019 Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapaks (28 21 00 00-0013)		
28 21 00 00-0020 EA 2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3A) .....	359.86	18.38
28 21 00 00-0021 EA 2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8A) .....	329.70	18.38
28 21 00 00-0022 EA 4 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4A) .....	322.52	18.38
28 21 00 00-0023 EA 8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8A) .....	316.78	18.38
28 21 00 00-0024 Varifocal, High Resolution Color, Camerapaks (28 21 00 00-0012)		
28 21 00 00-0025 Manual Iris, Varifocal, High Resolution Color, Camerapaks (28 21 00 00-0024)		
28 21 00 00-0026 EA 1-3 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1) .....	389.30	18.38
28 21 00 00-0027 EA 2.5-6 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2) .....	350.53	18.38
28 21 00 00-0028 EA 2.8-12 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21) .....	318.93	18.38
28 21 00 00-0029 EA 3-8 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3) .....	306.01	18.38
28 21 00 00-0030 EA 5-40 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5) .....	354.12	18.38
28 21 00 00-0031 Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks (28 21 00 00-0024)		
28 21 00 00-0032 EA 1-3 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1A) .....	420.89	18.38
28 21 00 00-0033 EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2A) .....	394.32	18.38
28 21 00 00-0034 EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21A) .....	349.09	18.38
28 21 00 00-0035 EA 3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3A) .....	311.04	18.38
28 21 00 00-0036 EA 5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5A) .....	369.19	18.38
28 21 00 00-0037 EA 5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V50A) .....	418.02	18.38
28 21 00 00-0038 EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V55A) .....	480.48	18.38
28 21 00 00-0039 Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks (28 21 00 00-0024)		
28 21 00 00-0040 EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R3A) .....	327.55	18.38
28 21 00 00-0041 EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R75A) .....	392.89	18.38
28 21 00 00-0042 High Resolution Day/Night, Camerapaks (28 21 00 00-0011)		
28 21 00 00-0043 Varifocal, High Resolution Day/Night, Camerapaks (28 21 00 00-0042)		
28 21 00 00-0044 Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks (28 21 00 00-0043)		
28 21 00 00-0045 EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V2A) .....	668.60	18.38
28 21 00 00-0046 EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V21A) .....	623.37	18.38
28 21 00 00-0047 EA 3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V3A) .....	585.31	18.38
28 21 00 00-0048 EA 5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V5A) .....	643.47	18.38
28 21 00 00-0049 EA 5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V50A) .....	692.29	18.38
28 21 00 00-0050 EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V55A) .....	754.04	18.38
28 21 00 00-0051 Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks (28 21 00 00-0043)		
28 21 00 00-0052 EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R3A) .....	601.83	18.38
28 21 00 00-0053 EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R75A) .....	667.16	18.38
28 21 00 00-0054 Compact Camerapaks (28 21 00 00-0010)		
28 21 00 00-0055 High Resolution Color, Compact Camerapaks (28 21 00 00-0054)		
28 21 00 00-0056 DSS, High Resolution Color, Compact Camerapaks (28 21 00 00-0055)		
28 21 00 00-0057 Fixed Focus, DSS, High Resolution Color, Camerapaks (28 21 00 00-0056)		
28 21 00 00-0058 Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks (28 21 00 00-0057)		



**28 Electronic Safety And Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0059 EA 2.3 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3).....	517.10	18.38
28 21 00 00-0060 EA 2.8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8).....	497.00	18.38
28 21 00 00-0061 EA 4 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4).....	486.95	18.38
28 21 00 00-0062 EA 8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8).....	484.79	18.38
<b>28 21 00 00-0063 Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks (28 21 00 00-0057)</b>		
28 21 00 00-0064 EA 2.3 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3A).....	546.54	18.38
28 21 00 00-0065 EA 2.8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8A).....	517.10	18.38
28 21 00 00-0066 EA 4 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4A).....	509.92	18.38
28 21 00 00-0067 EA 8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8A).....	504.18	18.38
<b>28 21 00 00-0068 Varifocal, DSS, High Resolution Color, Camerapaks (28 21 00 00-0056)</b>		
<b>28 21 00 00-0069 Manual Iris, Varifocal, DSS, High Resolution Color, Camerapaks (28 21 00 00-0068)</b>		
28 21 00 00-0070 EA 1-3 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1).....	576.70	18.38
28 21 00 00-0071 EA 2.5-6 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2).....	537.21	18.38
28 21 00 00-0072 EA 2.8-12 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21).....	506.33	18.38
28 21 00 00-0073 EA 3-8 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3).....	493.41	18.38
28 21 00 00-0074 EA 5-40 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5).....	540.80	18.38
28 21 00 00-0075 EA 5-50 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50).....	571.67	18.38
28 21 00 00-0076 EA 5.5-82.5 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55).....	644.91	18.38
<b>28 21 00 00-0077 Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks (28 21 00 00-0068)</b>		
28 21 00 00-0078 EA 1-3 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1A).....	607.57	18.38
28 21 00 00-0079 EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2A).....	581.72	18.38
28 21 00 00-0080 EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21A).....	536.49	18.38
28 21 00 00-0081 EA 3-8 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3A).....	497.72	18.38
28 21 00 00-0082 EA 5-40 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5A).....	556.59	18.38
28 21 00 00-0083 EA 5-50 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50A).....	605.42	18.38
28 21 00 00-0084 EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55A).....	667.16	18.38
<b>28 21 00 00-0085 Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks (28 21 00 00-0068)</b>		
28 21 00 00-0086 EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R3A).....	514.95	18.38
28 21 00 00-0087 EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R75A).....	580.29	18.38
<b>28 21 00 00-0088 EDR, High Resolution Color, Compact Camerapaks (28 21 00 00-0055)</b>		
<b>28 21 00 00-0089 Fixed Focus, EDR, High Resolution Color, Camerapaks (28 21 00 00-0088)</b>		
<b>28 21 00 00-0090 Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks (28 21 00 00-0089)</b>		
28 21 00 00-0091 EA 2.3 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3).....	517.10	18.38
28 21 00 00-0092 EA 2.8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8).....	384.99	18.38
28 21 00 00-0093 EA 4 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4).....	374.94	18.38
28 21 00 00-0094 EA 8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8).....	372.78	18.38
<b>28 21 00 00-0095 Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks (28 21 00 00-0089)</b>		
28 21 00 00-0096 EA 2.3 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3A).....	434.53	18.38
28 21 00 00-0097 EA 2.8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8A).....	405.09	18.38
28 21 00 00-0098 EA 4 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4A).....	397.91	18.38
28 21 00 00-0099 EA 8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8A).....	397.91	18.38
<b>28 21 00 00-0100 Varifocal, EDR, High Resolution Color, Camerapaks (28 21 00 00-0088)</b>		
<b>28 21 00 00-0101 Manual Iris, Varifocal, EDR, High Resolution Color, Camerapaks (28 21 00 00-0100)</b>		
28 21 00 00-0102 EA 1-3 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1).....	464.69	18.38
28 21 00 00-0103 EA 2.5-6 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2).....	425.20	18.38
28 21 00 00-0104 EA 2.8-12 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21).....	394.32	18.38
28 21 00 00-0105 EA 3-8 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3).....	381.40	18.38
28 21 00 00-0106 EA 5-40 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5).....	428.79	18.38
28 21 00 00-0107 EA 5-50 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50).....	459.66	18.38
28 21 00 00-0108 EA 5.5-82.5 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55).....	532.90	18.38
<b>28 21 00 00-0109 Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks (28 21 00 00-0100)</b>		
28 21 00 00-0110 EA 1-3 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1A).....	495.56	18.38
28 21 00 00-0111 EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2A).....	469.71	18.38
28 21 00 00-0112 EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21A).....	423.76	18.38



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0113 EA 3-8 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3A).....	385.71	18.38
28 21 00 00-0114 EA 5-40 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5A).....	444.58	18.38
28 21 00 00-0115 EA 5-50 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50A).....	493.41	18.38
28 21 00 00-0116 EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55A).....	555.16	18.38
<b>28 21 00 00-0117 Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks (28 21 00 00-0100)</b>		
28 21 00 00-0118 EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R3A).....	402.94	18.38
28 21 00 00-0119 EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R75A).....	468.28	18.38
<b>28 21 00 00-0120 High Resolution Day/Night, Compact Camerapaks (28 21 00 00-0054)</b>		
<b>28 21 00 00-0121 Fixed Focus, High Resolution Day/Night, Compact Camerapaks (28 21 00 00-0120)</b>		
<b>28 21 00 00-0122 Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks (28 21 00 00-0121)</b>		
28 21 00 00-0123 EA 8 mm, Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F8).....	476.89	18.38
<b>28 21 00 00-0124 DC-Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks (28 21 00 00-0121)</b>		
28 21 00 00-0125 EA 2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.3A).....	538.64	18.38
28 21 00 00-0126 EA 2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.8A).....	508.49	18.38
<b>28 21 00 00-0127 Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 00 00-0120)</b>		
<b>28 21 00 00-0128 Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 00 00-0127)</b>		
28 21 00 00-0129 EA 2.8-12 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21).....	497.72	18.38
28 21 00 00-0130 EA 3-8 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3).....	484.79	18.38
28 21 00 00-0131 EA 5-50 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50).....	563.77	18.38
<b>28 21 00 00-0132 Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 00 00-0127)</b>		
28 21 00 00-0133 EA 2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V2A).....	573.11	18.38
28 21 00 00-0134 EA 2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21A).....	527.87	18.38
28 21 00 00-0135 EA 3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3A).....	489.82	18.38
28 21 00 00-0136 EA 5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V5A).....	547.98	18.38
28 21 00 00-0137 EA 5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50A).....	596.80	18.38
28 21 00 00-0138 EA 5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V55A).....	659.27	18.38
<b>28 21 00 00-0139 Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks (28 21 00 00-0127)</b>		
28 21 00 00-0140 EA 3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R3A).....	506.33	18.38
28 21 00 00-0141 EA 7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R75A).....	571.67	18.38
<b>28 21 00 00-0142 Camera Systems (28 21 00 00-0002)</b>		
<b>28 21 00 00-0143 Camera Dome Systems (28 21 00 00-0142)</b>		
<b>28 21 00 00-0144 Spectra®, Pan/Tilt Camera Dome Systems (28 21 00 00-0143)</b>		
<b>28 21 00 00-0145 Spectra®, Pan/Tilt Camera Dome Systems (28 21 00 00-0144)</b>		
Note: Includes dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
<b>28 21 00 00-0146 Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0145)</b>		
<b>28 21 00 00-0147 Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0146)</b>		
28 21 00 00-0148 EA 22X, Surface Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-SMB).....	2,107.45	110.27
28 21 00 00-0149 EA 22X, In-Ceiling Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-F).....	2,401.83	110.27
28 21 00 00-0150 EA 22X, Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PB).....	2,533.95	110.27
28 21 00 00-0151 EA 22X, Environmental Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PG-E).....	3,521.91	110.27
<b>28 21 00 00-0152 Color, Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0146)</b>		

**28 Electronic Safety And Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0153 EA 16X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-SMB) .....	1,773.58	110.27
28 21 00 00-0154 EA 16X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F) .....	1,922.21	110.27
28 21 00 00-0155 EA 16X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PB) .....	2,055.04	110.27
28 21 00 00-0156 EA 16X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F-E) .....	2,131.15	110.27
28 21 00 00-0157 EA 16X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PG-E) .....	2,131.15	110.27
28 21 00 00-0158 EA 22X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-SMB) .....	2,233.82	110.27
28 21 00 00-0159 EA 22X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F) .....	2,528.92	110.27
28 21 00 00-0160 EA 22X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PB) .....	2,661.75	110.27
28 21 00 00-0161 EA 22X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F-E) .....	2,737.86	110.27
28 21 00 00-0162 EA 22X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PG-E) .....	2,737.86	110.27
<b>28 21 00 00-0163 Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0146)</b>		
28 21 00 00-0164 EA 23X, Surface Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-SMB) .....	2,602.16	110.27
28 21 00 00-0165 EA 23X, In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F) .....	2,897.25	110.27
28 21 00 00-0166 EA 23X, Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PB) .....	3,030.08	110.27
28 21 00 00-0167 EA 23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F-E) .....	3,106.19	110.27
28 21 00 00-0168 EA 23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PG-E) .....	3,106.19	110.27
<b>28 21 00 00-0169 Day/Night, Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0146)</b>		
28 21 00 00-0170 EA 18X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-SMB) .....	2,360.91	110.27
28 21 00 00-0171 EA 18X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F) .....	2,510.25	110.27
28 21 00 00-0172 EA 18X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PB) .....	2,642.36	110.27
28 21 00 00-0173 EA 18X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F-E) .....	2,718.47	110.27
28 21 00 00-0174 EA 18X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PG-E) .....	2,718.47	110.27
28 21 00 00-0175 EA 35X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-SMB) .....	2,844.12	110.27
28 21 00 00-0176 EA 35X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F) .....	3,078.91	110.27
28 21 00 00-0177 EA 35X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PB) .....	3,211.02	110.27
28 21 00 00-0178 EA 35X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F-E) .....	3,287.13	110.27
28 21 00 00-0179 EA 35X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PG-E) .....	3,287.13	110.27
<b>28 21 00 00-0180 Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0145)</b>		
<b>28 21 00 00-0181 Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0180)</b>		
28 21 00 00-0182 EA 16X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HF) .....	2,309.93	110.27
For Protective Lower Dome Cage, Add	34.65	
28 21 00 00-0183 EA 16X, Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HP) .....	2,437.73	110.27
For Protective Lower Dome Cage, Add	34.65	
28 21 00 00-0184 EA 16X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HPE) .....	2,539.69	110.27
For Protective Lower Dome Cage, Add	34.65	
28 21 00 00-0185 EA 22X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HF) .....	2,872.12	110.27
For Protective Lower Dome Cage, Add	34.65	
28 21 00 00-0186 EA 22X, Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HP) .....	2,999.93	110.27
For Protective Lower Dome Cage, Add	34.65	
28 21 00 00-0187 EA 22X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HPE) .....	3,102.60	110.27
For Protective Lower Dome Cage, Add	34.65	
<b>28 21 00 00-0188 Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0180)</b>		
28 21 00 00-0189 EA 18X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HF) .....	2,897.25	110.27
For Protective Lower Dome Cage, Add	34.65	
28 21 00 00-0190 EA 18X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HP) .....	3,025.06	110.27
For Protective Lower Dome Cage, Add	34.65	
28 21 00 00-0191 EA 18X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HPE) .....	3,127.73	110.27
For Protective Lower Dome Cage, Add	34.65	
28 21 00 00-0192 EA 35X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HF) .....	3,422.11	110.27
For Protective Lower Dome Cage, Add	34.65	
28 21 00 00-0193 EA 35X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HP) .....	3,549.20	110.27
For Protective Lower Dome Cage, Add	34.65	
28 21 00 00-0194 EA 35X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HPE) .....	3,651.87	110.27
For Protective Lower Dome Cage, Add	34.65	
<b>28 21 00 00-0195 Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0145)</b>		
<b>28 21 00 00-0196 Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 00 00-0195)</b>		
28 21 00 00-0197 EA 18X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PRE) .....	3,839.99	110.27
28 21 00 00-0198 EA 35X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PRE) .....	4,364.85	110.27



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0199	Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0145)</small>	
28 21 00 00-0200	Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0199)</small>	
28 21 00 00-0201 EA	22X, Environmental Pendant Mount, Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PSGE) .....	3,335.95 110.27
28 21 00 00-0202	Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0199)</small>	
28 21 00 00-0203 EA	16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PSGE) .....	2,900.84 110.27
28 21 00 00-0204 EA	22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PSGE) .....	3,463.76 110.27
28 21 00 00-0205	Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0199)</small>	
28 21 00 00-0206 EA	23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PSGE) .....	3,832.09 110.27
28 21 00 00-0207	Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0199)</small>	
28 21 00 00-0208 EA	18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PSGE) .....	3,488.89 110.27
28 21 00 00-0209 EA	35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PSGE) .....	4,013.03 110.27
28 21 00 00-0210	Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0145)</small>	
28 21 00 00-0211	Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0210)</small>	
28 21 00 00-0212 EA	10X, In-Ceiling Mount, Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome System (Pelco SD4-B) .....	1,324.12 110.27
28 21 00 00-0213	Spectra® IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0144)</small> Note: Includes simultaneous IP and analog video and control, dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.	
28 21 00 00-0214	Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0213)</small>	
28 21 00 00-0215	Color, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0214)</small>	
28 21 00 00-0216 EA	16X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F) .....	2,458.56 110.27
28 21 00 00-0217 EA	16X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PB) .....	2,591.39 110.27
28 21 00 00-0218 EA	16X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F-E) .....	2,667.49 110.27
28 21 00 00-0219 EA	16X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PG-E) .....	2,667.49 110.27
28 21 00 00-0220 EA	22X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F1) .....	3,065.27 110.27
28 21 00 00-0221 EA	22X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PB-1) .....	3,198.10 110.27
28 21 00 00-0222 EA	22X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F-E1) .....	3,274.20 110.27
28 21 00 00-0223 EA	22X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PG-E1) .....	3,274.20 110.27
28 21 00 00-0224	Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0214)</small>	
28 21 00 00-0225 EA	23X, In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F1) .....	3,433.60 110.27
28 21 00 00-0226 EA	23X, Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PB-1) .....	3,566.43 110.27
28 21 00 00-0227 EA	23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F-E1) .....	3,642.54 110.27
28 21 00 00-0228 EA	23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PG-E1) .....	3,642.54 110.27
28 21 00 00-0229	Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0213)</small>	
28 21 00 00-0230	Color, Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems <small>(28 21 00 00-0229)</small>	
28 21 00 00-0231 EA	16X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HF1) .....	2,846.28 110.27
28 21 00 00-0232 EA	16X, Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HP1) .....	2,974.08 110.27
28 21 00 00-0233 EA	16X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HPE1) .....	3,076.04 110.27
	<i>For Protective Lower Dome Cage, Add</i>	34.65
	<i>For Protective Lower Dome Cage, Add</i>	34.65
	<i>For Protective Lower Dome Cage, Add</i>	34.65

**28 Electronic Safety And Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0234	EA		22X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HF1) ..... <i>For Protective Lower Dome Cage, Add</i>	3,408.47 34.65	110.27
28 21 00 00-0235	EA		22X, Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HP1)..... <i>For Protective Lower Dome Cage, Add</i>	3,536.27 34.65	110.27
28 21 00 00-0236	EA		22X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HPE1)..... <i>For Protective Lower Dome Cage, Add</i>	3,638.95 34.65	110.27
<b>28 21 00 00-0237</b>			<b>Day/Night, Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems</b> <small>(28 21 00 00-0229)</small>		
28 21 00 00-0238	EA		18X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HF1)..... <i>For Protective Lower Dome Cage, Add</i>	3,433.60 34.65	110.27
28 21 00 00-0239	EA		18X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HP1)..... <i>For Protective Lower Dome Cage, Add</i>	3,561.40 34.65	110.27
28 21 00 00-0240	EA		18X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HPE1)..... <i>For Protective Lower Dome Cage, Add</i>	3,664.08 34.65	110.27
28 21 00 00-0241	EA		35X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HF1)..... <i>For Protective Lower Dome Cage, Add</i>	3,958.46 34.65	110.27
28 21 00 00-0242	EA		35X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HP1)..... <i>For Protective Lower Dome Cage, Add</i>	4,085.54 34.65	110.27
28 21 00 00-0243	EA		35X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HPE1)..... <i>For Protective Lower Dome Cage, Add</i>	4,188.22 34.65	110.27
<b>28 21 00 00-0244</b>			<b>Stainless Steel Spectra® IV IP Network, Pan/Tilt Camera Dome Systems</b> <small>(28 21 00 00-0213)</small>		
<b>28 21 00 00-0245</b>			<b>Color, Stainless Steel Spectra® IV IP Network, Camera Dome Systems</b> <small>(28 21 00 00-0244)</small>		
28 21 00 00-0246	EA		16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-PSGE1).....	3,437.19	110.27
28 21 00 00-0247	EA		22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-PSGE1).....	4,000.10	110.27
<b>28 21 00 00-0248</b>			<b>Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome Systems</b> <small>(28 21 00 00-0244)</small>		
28 21 00 00-0249	EA		23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1).....	4,368.44	110.27
<b>28 21 00 00-0250</b>			<b>Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome Systems</b> <small>(28 21 00 00-0244)</small>		
28 21 00 00-0251	EA		18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-PSGE1).....	4,025.23	110.27
28 21 00 00-0252	EA		35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1).....	4,549.37	110.27
<b>28 21 00 00-0253</b>			<b>Miniature Spectra® IP Network, Mini Pan/Tilt Camera Dome Systems</b> <small>(28 21 00 00-0213)</small>		
<b>28 21 00 00-0254</b>			<b>Color, Miniature Spectra® IP Network, Mini Camera Dome Systems</b> <small>(28 21 00 00-0253)</small>		
28 21 00 00-0255	EA		10X, In-Ceiling Mount, Color, Miniature Spectra® IP Network, Black Mini Camera Dome System (Pelco SD4N-W1).....	1,670.19	110.27
<b>28 21 00 00-0256</b>			<b>Spectra®, Pan/Tilt Dome Drives</b> <small>(28 21 00 00-0144)</small>		
			Note: Includes dome drive, camera and lens.		
28 21 00 00-0257	EA		10X, Color Camera, Spectra® Mini Dome Drive (Pelco DD4).....	1,233.51	91.89
28 21 00 00-0258	EA		10X, Color Camera, Spectra® IP Network, Mini Dome Drive (Pelco DD4N).....	1,578.15	91.89
28 21 00 00-0259	EA		22X, Black And White Camera, Spectra® IV Dome Drive (Pelco DD4M22).....	2,003.92	91.89
28 21 00 00-0260	EA		16X, Color Camera, Spectra® IV Dome Drive (Pelco DD4TC16).....	1,568.81	91.89
28 21 00 00-0261	EA		22X, Color Camera, Spectra® IV Dome Drive (Pelco DD4C22).....	2,131.01	91.89
28 21 00 00-0262	EA		18X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW18).....	2,156.14	91.89
28 21 00 00-0263	EA		23X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW23).....	2,499.34	91.89
28 21 00 00-0264	EA		35X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW35).....	2,680.99	91.89
28 21 00 00-0265	EA		35X, Color/Black And White Camera, Spectra® IV Horizon Dome Drive (Pelco DD4H35).....	2,680.99	91.89
<b>28 21 00 00-0266</b>			<b>Accessories For Spectra® Pan/Tilt Camera Dome Systems</b> <small>(28 21 00 00-0144)</small>		
28 21 00 00-0267	EA		Upgrade To Chrome Lower Dome (Pelco Spectra).....	101.24	
28 21 00 00-0268	EA		Upgrade To Gold Lower Dome (Pelco Spectra).....	132.11	
28 21 00 00-0269	EA		Wall Mount For Spectra® Systems (Pelco IWM-BK).....	107.41	9.19
28 21 00 00-0270	EA		24 Volt Out, Wall Mount For Spectra® Systems (Pelco IWM24-BK).....	274.71	9.19



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0271 EA Wall Arm Mount For Spectra® Systems (Pelco IDM4018) .....	104.54	9.19
28 21 00 00-0272 EA Wall Arm Mount With Feed Through For Stainless Steel Spectra® IV Systems (Pelco IDM4012SS) .....	260.47	9.19
28 21 00 00-0273 EA Pole Mount Adapter For Spectra® Systems (Pelco PA402) .....	53.15	5.47
<b>28 21 00 00-0274 Camclosure®, Camera Dome Systems (28 21 00 00-0143)</b>		
<b>28 21 00 00-0275 Camclosure® IS Integrated, Camera Dome Systems (28 21 00 00-0274)</b>		
<b>28 21 00 00-0276 Camclosure® IS Integrated, Camera Dome Systems (28 21 00 00-0275)</b>		
<b>28 21 00 00-0277 High Resolution Color, Camclosure® IS Integrated, Camera Dome Systems (28 21 00 00-0276)</b>		
28 21 00 00-0278 EA 12 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CH12) .....	475.44	110.27
28 21 00 00-0279 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CHV22) .....	518.52	110.27
28 21 00 00-0280 EA 12 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS110-CH12) .....	579.55	110.27
28 21 00 00-0281 EA 12 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS150-CH12) .....	579.55	110.27
<b>28 21 00 00-0282 Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome Systems (28 21 00 00-0276)</b>		
28 21 00 00-0283 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90B-CWV22) .....	587.45	110.27
28 21 00 00-0284 EA 9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-CWV22) .....	643.45	110.27
28 21 00 00-0285 EA 9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-CWV22) .....	643.45	110.27
<b>28 21 00 00-0286 Day/Night, Camclosure® IS Integrated, Camera Dome Systems (28 21 00 00-0276)</b>		
28 21 00 00-0287 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, White Camera Dome System (Pelco IS90-DNV22) .....	677.92	110.27
28 21 00 00-0288 EA 9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-DNV22) .....	816.49	110.27
28 21 00 00-0289 EA 9-22 mm, Environmental In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DNV22) .....	816.49	110.27
<b>28 21 00 00-0290 Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome Systems (28 21 00 00-0276)</b>		
28 21 00 00-0291 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-DWV22) .....	743.97	110.27
28 21 00 00-0292 EA 9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DWV22) .....	833.00	110.27
<b>28 21 00 00-0293 Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 00 00-0275)</b>		
<b>28 21 00 00-0294 High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 00 00-0293)</b>		
28 21 00 00-0295 EA 3.6 mm, Wall/Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CH3.6) .....	537.62	73.51
<b>28 21 00 00-0296 Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 00 00-0293)</b>		
28 21 00 00-0297 EA 9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CWV22) .....	618.76	73.51
<b>28 21 00 00-0298 Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 00 00-0293)</b>		
28 21 00 00-0299 EA 9-22 mm, Wall/Ceiling Mount, Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DNV22) .....	683.38	73.51
<b>28 21 00 00-0300 Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems (28 21 00 00-0293)</b>		
28 21 00 00-0301 EA 9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DWV22) .....	715.69	73.51
<b>28 21 00 00-0302 Camclosure® IS Integrated Cameras (28 21 00 00-0275)</b>		
28 21 00 00-0303 EA 12 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CH12) .....	372.48	73.51
28 21 00 00-0304 EA 9-22 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CHV22) .....	372.48	73.51
28 21 00 00-0305 EA 9-22 mm, Wide Dynamic Range Color, Camclosure® IS Integrated Camera (Pelco IS-CWV22) .....	436.38	73.51
28 21 00 00-0306 EA 9-22 mm, Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DNV22) .....	609.42	73.51

**28 Electronic Safety And Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0307 EA 9-22 mm, Wide Dynamic Range Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DWV22) .....	625.94	73.51
<b>28 21 00 00-0308 Camclosure® ICS Integrated, Camera Dome Systems (28 21 00 00-0274)</b>		
<b>28 21 00 00-0309 Camclosure® ICS Integrated, Camera Dome Systems (28 21 00 00-0308)</b>		
<b>28 21 00 00-0310 Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems (28 21 00 00-0309)</b>		
28 21 00 00-0311 EA 12 mm, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12) .....	404.36	110.27
28 21 00 00-0312 EA 12 mm, UTP, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12T) .....	435.23	110.27
28 21 00 00-0313 EA 12 mm, Environmental Surface Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS110-CA12) .....	558.73	110.27
28 21 00 00-0314 EA 12 mm, Environmental In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS150-CA12) .....	558.73	110.27
<b>28 21 00 00-0315 High Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems (28 21 00 00-0309)</b>		
28 21 00 00-0316 EA 3-9 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS151-CDV39A) .....	697.30	110.27
<b>28 21 00 00-0317 Camclosure® ICS Integrated, Bullet Style Camera Systems (28 21 00 00-0308)</b>		
<b>28 21 00 00-0318 Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera Systems (28 21 00 00-0317)</b>		
28 21 00 00-0319 EA 12 mm, Wall/Ceiling Mount, Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera System (Pelco ICS310-CA12) .....	485.21	73.51
<b>28 21 00 00-0320 Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 00 00-0308)</b>		
<b>28 21 00 00-0321 High Resolution Color, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 00 00-0320)</b>		
28 21 00 00-0322 EA 9-22 mm, High Resolution, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CHV22) .....	643.45	110.27
<b>28 21 00 00-0323 Wide Dynamic Range Color, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 00 00-0320)</b>		
28 21 00 00-0324 EA 9-22 mm, Wide Dynamic Range, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CWV22) .....	708.07	110.27
<b>28 21 00 00-0325 Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 00 00-0320)</b>		
28 21 00 00-0326 EA 9-22 mm, Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DNV22) .....	789.21	110.27
<b>28 21 00 00-0327 Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems (28 21 00 00-0320)</b>		
28 21 00 00-0328 EA 9-22 mm, Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DWV22) .....	821.52	110.27
<b>28 21 00 00-0329 Camclosure® IP Network, Camera Dome Systems (28 21 00 00-0274)</b>		
<b>28 21 00 00-0330 Camclosure® IP Network, Camera Dome Systems (28 21 00 00-0329)</b>		
<b>28 21 00 00-0331 High Resolution Color, Camclosure® IP Network, Camera Dome Systems (28 21 00 00-0330)</b>		
28 21 00 00-0332 EA 3-9.5 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV9) .....	1,177.64	110.27
28 21 00 00-0333 EA 9-22 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV22) .....	1,177.64	110.27
<b>28 21 00 00-0334 Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome Systems (28 21 00 00-0330)</b>		
28 21 00 00-0335 EA 3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV9) .....	1,266.68	110.27
28 21 00 00-0336 EA 9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV22) .....	1,266.68	110.27
<b>28 21 00 00-0337 Day/Night, Camclosure® IP Network, Camera Dome Systems (28 21 00 00-0330)</b>		
28 21 00 00-0338 EA 3-9.5 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV9) .....	1,403.81	110.27



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0339 EA 9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV22) .....	1,403.81	110.27
<b>28 21 00 00-0340 Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome Systems</b> <small>(28 21 00 00-0330)</small>		
28 21 00 00-0341 EA 3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV9) .....	1,500.74	110.27
28 21 00 00-0342 EA 9-22 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV22) .....	1,500.74	110.27
<b>28 21 00 00-0343 Accessories For Camclosure® Camera Dome Systems</b> <small>(28 21 00 00-0274)</small>		
28 21 00 00-0344 EA 4S Gangbox Adapter Plate For ICS110 Camclosure® Systems (Pelco ICS110-AP) .....	23.95	5.51
28 21 00 00-0345 EA 4S Adapter Plate For ICS310 Camclosure® Systems (Pelco ICS310-AP) .....	23.95	5.51
28 21 00 00-0346 EA Sun Shield For ICS310 Camclosure® Systems (Pelco ICS310-SS) .....	31.30	9.19
28 21 00 00-0347 EA Conduit Adapter For ICS310 Camclosure® Systems (Pelco ICS310-COND) .....	51.41	9.19
28 21 00 00-0348 EA 2' x 2' Ceiling Panel For ICS150 Camclosure® Systems (Pelco ICS150-P) .....	54.11	5.51
28 21 00 00-0349 EA Pendant Mount Adapter For Camclosure® ICS110 Systems (Pelco ICS110-PG) .....	51.41	9.19
28 21 00 00-0350 EA Corner Mount Adapter For ICS200 Camclosure® Systems (Pelco ICS210-CM) .....	65.77	9.19
28 21 00 00-0351 EA Smoked, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO110A) .....	177.49	18.38
28 21 00 00-0352 EA Clear, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO111A) .....	177.49	18.38
28 21 00 00-0353 EA Smoked, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO150A) .....	177.49	18.38
28 21 00 00-0354 EA Clear, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO151A) .....	177.49	18.38
28 21 00 00-0355 EA Pendant Mount Adapter For Camclosure® IP Systems (Pelco IP110-P) .....	62.18	9.19
28 21 00 00-0356 EA Smoked Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP110-LD) .....	69.07	18.38
28 21 00 00-0357 EA Clear Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP111-LD) .....	69.07	18.38
28 21 00 00-0358 EA Smoked Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS110-LD) .....	69.07	18.38
28 21 00 00-0359 EA Clear Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS111-LD) .....	69.07	18.38
28 21 00 00-0360 EA Smoked Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS150-LD) .....	69.07	18.38
28 21 00 00-0361 EA Clear Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS151-LD) .....	69.07	18.38
28 21 00 00-0362 EA Ceiling Mount Enclosure Only, Environmental, Camclosure® IS Systems (Pelco IS150-ENC) .....	201.65	25.10
28 21 00 00-0363 EA Black Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90B-P) .....	43.51	9.19
28 21 00 00-0364 EA Black Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90B-PW) .....	75.82	9.19
28 21 00 00-0365 EA White Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90-P) .....	43.51	9.19
28 21 00 00-0366 EA White Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90-PW) .....	75.82	9.19
28 21 00 00-0367 EA Surface Mount Enclosure Only, Environmental, IP Camclosure® (Pelco IP110-ENC) .....	1,096.51	110.27
<b>28 21 00 00-0368 Pan/Tilt Camera Systems</b> <small>(28 21 00 00-0142)</small>		
<b>28 21 00 00-0369 Esprit® CBZ, Pan/Tilt Camera Systems</b> <small>(28 21 00 00-0368)</small>		
Note: Includes powder coated aluminum pan/tilt enclosure, receiver, camera, lens, built in heater, window defroster/defogger, sun shroud, insulation blanket, 24V power supply and mounting hardware.		
<b>28 21 00 00-0370 EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems</b> <small>(28 21 00 00-0369)</small>		
<b>28 21 00 00-0371 Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems</b> <small>(28 21 00 00-0370)</small>		
28 21 00 00-0372 EA 10X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10N) .....	3,140.35	165.41
28 21 00 00-0373 EA 20X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20N) .....	3,571.87	165.41
28 21 00 00-0374 EA 30X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30N) .....	4,169.97	165.41
28 21 00 00-0375 EA 10X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PN) .....	3,232.98	165.41
28 21 00 00-0376 EA 20X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PN) .....	3,683.88	165.41
28 21 00 00-0377 EA 30X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PN) .....	4,281.97	165.41
<b>28 21 00 00-0378 Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems</b> <small>(28 21 00 00-0370)</small>		
28 21 00 00-0379 EA 10X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10W) .....	3,169.79	165.41
28 21 00 00-0380 EA 20X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20W) .....	3,601.31	165.41
28 21 00 00-0381 EA 30X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30W) .....	4,199.40	165.41
28 21 00 00-0382 EA 10X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PW) .....	3,263.13	165.41
28 21 00 00-0383 EA 20X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PW) .....	3,713.32	165.41
28 21 00 00-0384 EA 30X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PW) .....	4,311.41	165.41
<b>28 21 00 00-0385 Esprit® CLZ, Pan/Tilt Camera Systems</b> <small>(28 21 00 00-0368)</small>		
<b>28 21 00 00-0386 DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems</b> <small>(28 21 00 00-0385)</small>		



**28 Electronic Safety And Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0387			<b>Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems</b> <small>(28 21 00 00-0386)</small>		
28 21 00 00-0388	EA		10X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10N).....	3,252.36	165.41
28 21 00 00-0389	EA		20X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20N).....	3,683.88	165.41
28 21 00 00-0390	EA		30X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30N).....	4,281.97	165.41
28 21 00 00-0391	EA		10X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PN).....	3,344.98	165.41
28 21 00 00-0392	EA		20X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PN).....	3,795.89	165.41
28 21 00 00-0393	EA		30X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PN).....	4,393.98	165.41
28 21 00 00-0394			<b>Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems</b> <small>(28 21 00 00-0386)</small>		
28 21 00 00-0395	EA		10X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10W).....	3,281.80	165.41
28 21 00 00-0396	EA		20X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20W).....	3,713.32	165.41
28 21 00 00-0397	EA		30X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30W).....	4,311.41	165.41
28 21 00 00-0398	EA		10X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PW).....	3,375.14	165.41
28 21 00 00-0399	EA		20X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PW).....	3,825.33	165.41
28 21 00 00-0400	EA		30X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PW).....	4,423.42	165.41
28 21 00 00-0401			<b>Esprit® AJZ, Pan/Tilt Camera Systems</b> <small>(28 21 00 00-0386)</small>		
28 21 00 00-0402			<b>High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems</b> <small>(28 21 00 00-0401)</small>		
28 21 00 00-0403			<b>Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems</b> <small>(28 21 00 00-0402)</small>		
28 21 00 00-0404	EA		6 x 10, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10N).....	3,064.96	165.41
28 21 00 00-0405	EA		5.6 x 20, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20N).....	3,496.48	165.41
28 21 00 00-0406	EA		5.5 x 30, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30N).....	4,094.58	165.41
28 21 00 00-0407	EA		6 x 10, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10PN).....	3,158.30	165.41
28 21 00 00-0408	EA		5.6 x 20, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PN).....	3,608.49	165.41
28 21 00 00-0409	EA		5.5 x 30, Preset Positioning, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PN).....	4,206.58	165.41
28 21 00 00-0410			<b>Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems</b> <small>(28 21 00 00-0402)</small>		
28 21 00 00-0411	EA		6 x 10, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W).....	3,095.12	165.41
28 21 00 00-0412	EA		5.6 x 20, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20W).....	3,525.92	165.41
28 21 00 00-0413	EA		5.5 x 30, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30W).....	4,124.73	165.41
28 21 00 00-0414	EA		6 x 8, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ8PW).....	3,115.94	165.41
28 21 00 00-0415	EA		6 x 10, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W).....	3,187.74	165.41
28 21 00 00-0416	EA		5.6 x 20, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PW).....	3,637.93	165.41
28 21 00 00-0417	EA		5.5 x 30, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PW).....	4,236.74	165.41
28 21 00 00-0418			<b>Esprit® AMZ, Pan/Tilt Camera Systems</b> <small>(28 21 00 00-0386)</small>		
28 21 00 00-0419			<b>Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems</b> <small>(28 21 00 00-0418)</small>		
28 21 00 00-0420			<b>Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems</b> <small>(28 21 00 00-0419)</small>		
28 21 00 00-0421	EA		5.6 x 20, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20N).....	3,675.26	165.41
28 21 00 00-0422	EA		5.5 x 30, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30N).....	4,273.36	165.41
28 21 00 00-0423	EA		6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PN).....	3,337.09	165.41
28 21 00 00-0424	EA		5.6 x 20, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PN).....	3,787.27	165.41
28 21 00 00-0425	EA		5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PN).....	4,385.37	165.41
28 21 00 00-0426			<b>Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems</b> <small>(28 21 00 00-0419)</small>		
28 21 00 00-0427	EA		6 x 10, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10W).....	3,273.90	165.41
28 21 00 00-0428	EA		5.6 x 20, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20W).....	3,704.70	165.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0429 EA 5.5 x 30, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30W) .....	4,303.51	165.41
28 21 00 00-0430 EA 6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PW) .....	3,366.52	165.41
28 21 00 00-0431 EA 5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PW) .....	3,816.71	165.41
28 21 00 00-0432 EA 5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PW) .....	4,415.52	165.41
<b>28 21 00 00-0433 Esprit® KWZ, Pan/Tilt Camera Systems (28 21 00 00-0368)</b>		
<b>28 21 00 00-0434 Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems (28 21 00 00-0433)</b>		
<b>28 21 00 00-0435 Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems (28 21 00 00-0434)</b>		
28 21 00 00-0436 EA 5.5 x 30, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30N) .....	4,368.85	165.41
28 21 00 00-0437 EA 6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PN) .....	3,431.86	165.41
28 21 00 00-0438 EA 5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PN) .....	4,480.86	165.41
<b>28 21 00 00-0439 Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems (28 21 00 00-0434)</b>		
28 21 00 00-0440 EA 6 x 10, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10W) .....	3,368.68	165.41
28 21 00 00-0441 EA 5.5 x 30, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30W) .....	4,399.01	165.41
28 21 00 00-0442 EA 6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PW) .....	3,462.02	165.41
28 21 00 00-0443 EA 5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ20PW) .....	3,912.20	165.41
28 21 00 00-0444 EA 5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PW) .....	4,511.02	165.41
<b>28 21 00 00-0445 Esprit® IOC, Pan/Tilt Camera Systems (28 21 00 00-0368)</b>		
<b>28 21 00 00-0446 Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 00 00-0445)</b>		
<b>28 21 00 00-0447 Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 00 00-0446)</b>		
28 21 00 00-0448 EA 16X, Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2N) .....	3,669.52	165.41
<b>28 21 00 00-0449 Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 00 00-0446)</b>		
28 21 00 00-0450 EA 16X, Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2W) .....	3,698.96	165.41
<b>28 21 00 00-0451 High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 00 00-0445)</b>		
<b>28 21 00 00-0452 Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 00 00-0451)</b>		
28 21 00 00-0453 EA 22X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2N) .....	4,368.85	165.41
28 21 00 00-0454 EA 24X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2N) .....	4,222.38	165.41
28 21 00 00-0455 EA 35X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2N) .....	4,807.55	165.41
<b>28 21 00 00-0456 Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems (28 21 00 00-0451)</b>		
28 21 00 00-0457 EA 22X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2W) .....	4,397.57	165.41
28 21 00 00-0458 EA 24X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2W) .....	4,222.38	165.41
28 21 00 00-0459 EA 35X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2W) .....	4,839.86	165.41
<b>28 21 00 00-0460 Esprit® IOP, Pan/Tilt Camera Systems (28 21 00 00-0368)</b>		
<b>28 21 00 00-0461 High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems (28 21 00 00-0460)</b>		
<b>28 21 00 00-0462 Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems (28 21 00 00-0461)</b>		
28 21 00 00-0463 EA 16X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2N) .....	2,808.64	165.41
28 21 00 00-0464 EA 22X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2N) .....	3,508.69	165.41
28 21 00 00-0465 EA 24X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2N) .....	3,364.37	165.41
28 21 00 00-0466 EA 35X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2N) .....	3,820.30	165.41
<b>28 21 00 00-0467 Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems (28 21 00 00-0461)</b>		
28 21 00 00-0468 EA 16X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2W) .....	2,837.36	165.41
28 21 00 00-0469 EA 22X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2W) .....	3,538.13	165.41
28 21 00 00-0470 EA 24X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2W) .....	3,393.81	165.41
28 21 00 00-0471 EA 35X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2W) .....	3,852.61	165.41

**28 Electronic Safety And Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
28 21 00 00-0472		Esprit® Thermal, Pan/Tilt Camera Systems (28 21 00 00-0368)			
28 21 00 00-0473		Esprit® Thermal, Pan/Tilt Camera Systems (28 21 00 00-0472)			
28 21 00 00-0474		Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera Systems (28 21 00 00-0473)			
28 21 00 00-0475	EA	14.25 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2N).....	18,357.65		165.41
28 21 00 00-0476	EA	35 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2N) .....	19,745.54		165.41
28 21 00 00-0477	EA	50 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2N) .....	20,211.52		165.41
28 21 00 00-0478		Wall Mount, Esprit® Thermal, Pan/Tilt Camera Systems (28 21 00 00-0473)			
28 21 00 00-0479	EA	14.25 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2W).....	18,387.80		165.41
28 21 00 00-0480	EA	35 mm, 30 Hertz, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2W) .....	19,774.98		165.41
28 21 00 00-0481	EA	50 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2W).....	20,240.96		165.41
28 21 00 00-0482		Accessories For Esprit® Pan/Tilt Camera Systems (28 21 00 00-0368)			
28 21 00 00-0483	EA	Wiper Blade Replacement For Esprit® Systems (Pelco ES-REPLBLADE) .....	7.49		1.84
28 21 00 00-0484	EA	Marine Mounting Kit For Esprit® Systems (Pelco ES-MKIT) .....	43.51		9.19
28 21 00 00-0485	EA	Indoor/Outdoor Wall Mount For Esprit® Systems (Pelco EWM).....	69.36		9.19
28 21 00 00-0486	EA	Wall Mount For High Security Enclosures (Pelco HSWM12) .....	88.74		9.19
28 21 00 00-0487	EA	Ground Isolation Transformer (Pelco GIT100).....	251.91		25.10
28 21 00 00-0488	EA	High Security, Indoor Wedge Style Enclosure (Pelco HS2100) .....	467.97		25.10
28 21 00 00-0489	EA	High Security, Indoor 10" Length Enclosure (Pelco HS3000) .....	304.32		25.10
28 21 00 00-0490	EA	High Security, Indoor Medium Corner Mount Enclosure (Pelco HS1500).....	552.11		25.10
28 21 00 00-0491	EA	High Security, Ceiling Mount, Lexan Window, Aluminum Enclosure (Pelco HS8080) .....	232.52		25.10
28 21 00 00-0492	EA	High Security, Ceiling Mount, Lexan Window, Steel Enclosure (Pelco HS8134) .....	814.87		25.10
28 21 00 00-0493	EA	Bullet-Resistant, Outdoor Enclosure (Pelco HS4514).....	979.96		25.10
28 21 00 00-0494	EA	Bullet-Resistant, Outdoor Enclosure With Mount (Pelco HS4514/MT).....	1,167.36		25.10
28 21 00 00-0495	EA	24X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW24).....	1,209.72		25.10
28 21 00 00-0496	EA	35X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW35).....	1,276.49		25.10
28 21 00 00-0497	EA	24 Volt AC, Esprit® Pan Tilt Enclosure Receiver (Pelco ES3012-2).....	2,167.03		25.11
28 21 00 00-0498	EA	24 Volt AC, Pedestal Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2N) .....	2,193.39		25.10
28 21 00 00-0499	EA	24 Volt AC, Wall Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2W) .....	2,218.70		25.10
28 21 00 00-0500	EA	30X, 24 Volt AC, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30) .....	4,030.02		25.10
28 21 00 00-0501	EA	30X, 24 Volt AC, Preset Positioning, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30P) .....	4,142.03		25.10
28 21 00 00-0502	EA	Esprit® Camera Pole Mount Adapter (Pelco EPM).....	89.33		5.92
28 21 00 00-0503	EA	Pole Mount Adapter For Esprit® Systems (Pelco EPM) .....	89.33		5.92
28 21 00 00-0504		Camera Lenses (28 21 00 00-0002)			
28 21 00 00-0505		Fixed Focus Camera Lenses (28 21 00 00-0504) Note: 1/3" format and manual focus.			
28 21 00 00-0506		Manual Iris, Fixed Focus Camera Lenses (28 21 00 00-0505)			
28 21 00 00-0507	EA	2.3 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.3).....	112.04		8.63
28 21 00 00-0508	EA	2.8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.8).....	91.94		8.63
28 21 00 00-0509	EA	4 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA4).....	81.89		8.63
28 21 00 00-0510	EA	8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA8).....	79.73		8.63
28 21 00 00-0511		Direct Drive Auto Iris, Fixed Focus Camera Lenses (28 21 00 00-0505) Note: Includes spot filter. Excludes amplifier.			
28 21 00 00-0512	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.3) .....	141.48		8.63
28 21 00 00-0513	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.8) .....	112.04		8.63
28 21 00 00-0514	EA	4 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD4) .....	104.86		8.63
28 21 00 00-0515	EA	8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD8) .....	73.27		8.63
28 21 00 00-0516		Video Drive Auto Iris, Fixed Focus Camera Lenses (28 21 00 00-0505) Note: Includes LDC100 adapter to convert DC auto iris to video drive.			
28 21 00 00-0517	EA	2.3 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.3S).....	168.05		8.63
28 21 00 00-0518	EA	2.8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.8S).....	137.89		8.63
28 21 00 00-0519	EA	4 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV4S) .....	130.71		8.63
28 21 00 00-0520	EA	8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV8S) .....	124.97		8.63
28 21 00 00-0521		Varifocal Camera Lenses (28 21 00 00-0504) Note: 1/3" format and manual focus and zoom.			
28 21 00 00-0522		Manual Iris, Varifocal Camera Lenses (28 21 00 00-0521)			
28 21 00 00-0523	EA	1.6-3.4 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA1-3).....	199.83		8.63
28 21 00 00-0524	EA	2.5-6 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.5-6).....	132.15		8.63
28 21 00 00-0525	EA	2.8-12 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.8-12).....	101.27		8.63
28 21 00 00-0526	EA	3-8 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA3-8).....	88.35		8.63
28 21 00 00-0527	EA	5.5-82.5 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5.5-82.5).....	239.85		8.63
28 21 00 00-0528	EA	5-40 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-40).....	151.12		8.63
28 21 00 00-0529	EA	5-50 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-50).....	162.19		8.63



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0530			<b>Direct Drive Auto Iris, Varifocal Camera Lenses</b> (28 21 00 00-0521) Note: Includes spot filter.		
28 21 00 00-0531	EA		1.6-3.4 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD1-3) .....	196.14	8.63
28 21 00 00-0532	EA		2.5-6 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.5-6) .....	171.04	8.63
28 21 00 00-0533	EA		2.8-12 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.8-12) .....	126.76	8.63
28 21 00 00-0534	EA		3-8 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD3-8) .....	89.86	8.63
28 21 00 00-0535	EA		5.5-82.5 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5.5-82.5) .....	262.11	8.63
28 21 00 00-0536	EA		5-50 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5-50) .....	193.93	8.63
28 21 00 00-0537			<b>Video Drive Auto Iris, Varifocal Camera Lenses</b> (28 21 00 00-0521) Note: Includes spot filter.		
28 21 00 00-0538	EA		1.6-3.4 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV1-3S) .....	229.08	8.63
28 21 00 00-0539	EA		2.5-6 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV2.5-6S) .....	202.51	8.63
28 21 00 00-0540	EA		3-8 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV3-8S) .....	119.22	8.63
28 21 00 00-0541	EA		5-50 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV5-50S) .....	226.21	8.63
28 21 00 00-0542			<b>Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lenses</b> (28 21 00 00-0521) Note: Includes spot filter.		
28 21 00 00-0543	EA		3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR3-8.5) .....	106.83	8.63
28 21 00 00-0544	EA		7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR7.5-50) .....	169.57	8.63
28 21 00 00-0545			<b>Motorized Zoom Camera Lenses</b> (28 21 00 00-0504) Note: 1/3" format.		
28 21 00 00-0546			<b>Manual Iris, Motorized Zoom Camera Lenses</b> (28 21 00 00-0545)		
28 21 00 00-0547	EA		8X Zoom, 6-48 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X8) .....	420.78	8.63
28 21 00 00-0548	EA		10X Zoom, 6-60 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X10) .....	527.05	8.63
28 21 00 00-0549	EA		15X Zoom, 6-90 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X15) .....	562.23	8.63
28 21 00 00-0550			<b>Direct Drive Auto Iris, Motorized Zoom Camera Lenses</b> (28 21 00 00-0545) Note: Includes spot filter.		
28 21 00 00-0551	EA		6X Zoom, 6-48 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X8) .....	480.30	8.63
28 21 00 00-0552	EA		10X Zoom, 6-60 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X10) .....	557.80	8.63
28 21 00 00-0553	EA		15X Zoom, 6-90 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X15) .....	621.82	8.63
28 21 00 00-0554	EA		20X Zoom, 5.6-112 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.6X20) .....	969.65	8.63
28 21 00 00-0555	EA		30X Zoom, 5.5-165 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.5X30) .....	1,941.70	8.63
28 21 00 00-0556			<b>Video Drive Auto Iris, Motorized Zoom Camera Lenses</b> (28 21 00 00-0545) Note: Includes spot filter.		
28 21 00 00-0557	EA		8X Zoom, 6-48 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X8S) .....	431.55	8.63
28 21 00 00-0558	EA		10X Zoom, 6-60 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X10S) .....	514.84	8.63
28 21 00 00-0559	EA		15X Zoom, 6-90 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X15S) .....	648.39	8.63
28 21 00 00-0560	EA		20X Zoom, 5.6-112 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.6X20S) .....	946.36	8.63
28 21 00 00-0561	EA		30X Zoom, 5.5-165 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.5X30S) .....	1,544.45	8.63
28 21 00 00-0562			<b>Camera Power Supplies</b> (28 21 00 00-0002)		
28 21 00 00-0563	EA		20 VA, 24 Volt AC, Camera Power Transformer (Pelco TF2000) .....	27.62	7.35
28 21 00 00-0564	EA		50 VA, 24 Volt AC, Camera Power Transformer (Pelco TF9000) .....	49.16	7.35
28 21 00 00-0565	EA		2 Amp, 4 Outputs, Camera Power Supply (Pelco MCS4-2) .....	269.29	14.70
28 21 00 00-0566	EA		5 Amp, 8 Outputs, Camera Power Supply (Pelco MCS8-5) .....	306.13	22.06
28 21 00 00-0567	EA		10 Amp, 16 Outputs, Camera Power Supply (Pelco MCS16-10) .....	340.76	29.41
			For Switchable Outputs, Add	169.17	
28 21 00 00-0568	EA		20 Amp, 16 Outputs, Camera Power Supply (Pelco MCS16-20) .....	377.60	36.76
			For Switchable Outputs, Add	182.45	
28 21 00 00-0569			<b>Camera Illuminators</b> (28 21 00 00-0002)		
28 21 00 00-0570			<b>Camera Illuminators</b> (28 21 00 00-0569) Note: Includes lamp and mounting bracket.		
28 21 00 00-0571	EA		Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27MF) .....	1,129.39	14.70
28 21 00 00-0572	EA		Infrared Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27NS) .....	1,129.39	14.70
28 21 00 00-0573	EA		Flood Lamp, Low Light Level Camera Illuminator (Pelco LL27WF) .....	1,129.39	14.70
28 21 00 00-0574			<b>Camera Illuminator Accessories</b> (28 21 00 00-0569)		
28 21 00 00-0575	EA		Replacement Lamp For Low Light Level Camera Illuminator (Pelco PAR56) .....	90.44	14.70
28 21 00 00-0576			<b>Camera Receivers</b> (28 21 00 00-0002)		
28 21 00 00-0577	EA		24 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9024RX-PP) .....	1,086.22	25.10
28 21 00 00-0578	EA		120 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9115RX-PP) .....	1,086.22	25.10
28 21 00 00-0579			<b>Pan And Tilt Drives</b> (28 21 00 00-0002)		

**28 Electronic Safety And Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0580	EA		15 LB Load, 24 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT270-24P) .....	765.80	55.13
28 21 00 00-0581	EA		40 LB Load, 24/120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT570-24P) .....	975.46	55.13
			<i>For Preset Positioning, Add</i>	165.00	
28 21 00 00-0582	EA		100 LB Load, 120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT1250P).....	2,075.44	55.13
			<i>For Preset Positioning, Add</i>	165.00	
28 21 00 00-0583	EA		100 LB Load, 120 Volt DC, Outdoor Pan And Tilt Drive (Pelco PT1250DC).....	2,373.41	55.13
			<i>For Preset Positioning, Add</i>	165.00	
28 21 00 00-0584	EA		100 LB Load, 120 Volt DC, 360 Degree Outdoor Pan And Tilt Drive (Pelco PT1280SL).....	2,748.20	55.13
			<i>For Preset Positioning, Add</i>	165.00	
28 21 00 00-0585	EA		100 LB Load, 120 Volt DC, Explosion Proof Outdoor Pan And Tilt Drive (Pelco PT1260EX) .....	3,545.18	55.13
			<i>For Preset Positioning, Add</i>	165.00	
<b>28 21 00 00-0586</b>			<b>Scanners</b> (28 21 00 00-0002)		
28 21 00 00-0587	EA		35 LB Load, 24 Volt AC, Indoor/Outdoor Scanner (Pelco PS20-24).....	875.66	55.13
			<i>For Wall Mount, Add</i>	39.05	
			<i>For Pressure Sensor Alarm, Add</i>	51.15	
28 21 00 00-0588	EA		35 LB Load, 120 Volt AC, Indoor/Outdoor Scanner (Pelco PS20).....	920.89	55.13
			<i>For Wall Mount, Add</i>	39.05	
			<i>For Pressure Sensor Alarm, Add</i>	51.15	
<b>28 21 00 00-0589</b>			<b>Camera Monitors</b> (28 21 00 00-0001)		
<b>28 21 00 00-0590</b>			<b>Camera Monitors</b> (28 21 00 00-0589)		
<b>28 21 00 00-0591</b>			<b>Monochrome Camera Monitors</b> (28 21 00 00-0590)		
28 21 00 00-0592	EA		9" Monochrome Camera Monitor (Pelco PMM9A).....	170.69	11.03
28 21 00 00-0593	EA		12" Monochrome Camera Monitor (Pelco PMM12A) .....	195.82	11.03
28 21 00 00-0594	EA		15" Monochrome Camera Monitor (Pelco PMM15A) .....	302.08	11.03
28 21 00 00-0595	EA		20" Monochrome Camera Monitor (Pelco PMM20A) .....	488.04	11.03
<b>28 21 00 00-0596</b>			<b>Color Camera Monitors</b> (28 21 00 00-0590)		
28 21 00 00-0597	EA		9", High Resolution Color, Camera Monitor (Pelco PMCS9A).....	551.23	11.03
28 21 00 00-0598	EA		15", High Resolution Color, Camera Monitor (Pelco PMCS15A) .....	446.40	11.03
28 21 00 00-0599	EA		17", High Resolution Color, Camera Monitor (Pelco PMCS17A) .....	650.31	11.03
28 21 00 00-0600	EA		19", High Resolution Color, Camera Monitor (Pelco PMCS19A) .....	865.71	11.03
<b>28 21 00 00-0601</b>			<b>LCD Camera Monitors</b> (28 21 00 00-0589)		
<b>28 21 00 00-0602</b>			<b>VGA Signal, Color LCD Camera Monitors (Pelco 200 Series)</b> (28 21 00 00-0601)		
			Note: Displays VGA computer signals.		
28 21 00 00-0603	EA		17", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL217) .....	623.74	11.03
28 21 00 00-0604	EA		19", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL219) .....	813.30	11.03
<b>28 21 00 00-0605</b>			<b>Multimode, Color LCD Camera Monitors (Pelco 300 Series)</b> (28 21 00 00-0601)		
			Note: Displays VGA computer signals and/or composite video signals.		
28 21 00 00-0606	EA		15", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL315) .....	709.90	11.03
28 21 00 00-0607	EA		17", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL317) .....	850.63	11.03
28 21 00 00-0608	EA		19", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL319) .....	1,047.36	11.03
<b>28 21 00 00-0609</b>			<b>Multimode With PIP, Color LCD Camera Monitors (Pelco 400 Series)</b> (28 21 00 00-0601)		
			Note: Displays VGA computer signals and/or composite video signals. Includes picture in picture option.		
28 21 00 00-0610	EA		15", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL415).....	912.38	11.03
28 21 00 00-0611	EA		17", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL417).....	1,058.85	11.03
28 21 00 00-0612	EA		19", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL419).....	1,329.54	11.03
<b>28 21 00 00-0613</b>			<b>Camera Monitor Mounting Accessories</b> (28 21 00 00-0589)		
<b>28 21 00 00-0614</b>			<b>Camera Monitor Mounts</b> (28 21 00 00-0613)		
28 21 00 00-0615	EA		Up To 14", Camera Monitor Mount (Pelco).....	208.91	14.70
28 21 00 00-0616	EA		>14" To 17", Camera Monitor Mount (Pelco) .....	244.09	14.70
28 21 00 00-0617	EA		>17" To 21", Camera Monitor Mount (Pelco) .....	287.17	14.70
<b>28 21 00 00-0618</b>			<b>Camera Monitor Rack Mount Kits</b> (28 21 00 00-0613)		
28 21 00 00-0619	EA		Camera Monitor Rack Mount Kit (Pelco PMCL-RM).....	124.90	14.70
<b>28 21 00 00-0620</b>			<b>Video Transmission Equipment</b> (28 21 00 00-0001)		
<b>28 21 00 00-0621</b>			<b>UTP Cable, Video Transmission Equipment</b> (28 21 00 00-0620)		
<b>28 21 00 00-0622</b>			<b>UTP Cable, Active Video Receivers</b> (28 21 00 00-0621)		
28 21 00 00-0623	EA		Single Channel, UTP Cable, Active Video Receiver (Pelco TW3001AR) .....	262.93	18.38
28 21 00 00-0624	EA		Four Channel, UTP Cable, Active Video Receiver (Pelco TW3004AR) .....	918.46	18.38
28 21 00 00-0625	EA		Eight Channel, 4 Outputs, UTP Cable, Active Video Receiver (Pelco TW3008AR-4-US) .....	1,812.37	18.38



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0626 EA Sixteen Channel, UTP Cable, Active Video Receiver (Pelco TW3016AR1-US) .....	2,980.56	18.38
28 21 00 00-0627 EA Sixteen Channel, 2 Outputs, UTP Cable, Active Video Receiver (Pelco TW3016AR-2-US) .....	3,481.01	18.38
<b>28 21 00 00-0628 UTP Cable, Passive Video Transceivers (28 21 00 00-0621)</b>		
28 21 00 00-0629 EA Single Channel, UTP Cable, Passive Video Transceiver (Pelco TW3001P) .....	73.38	18.38
28 21 00 00-0630 EA Four Channel, UTP Cable, Passive Video Transceiver (Pelco TW3004P) .....	262.93	18.38
28 21 00 00-0631 EA Eight Channel, UTP Cable, Passive Video Transceiver (Pelco TW3008P) .....	489.82	18.38
28 21 00 00-0632 EA Sixteen Channel, UTP Cable, Passive Video Transceiver (Pelco TW3016P) .....	936.41	18.38
28 21 00 00-0633 EA Thirty Two Channel, UTP Cable, Passive Video Transceiver (Pelco TW3032P) .....	1,836.79	18.38
<b>28 21 00 00-0634 UTP Cable, Active Video Transmitters (28 21 00 00-0621)</b>		
28 21 00 00-0635 EA Single Channel, UTP Cable, Active Video Transmitter (Pelco TW3001AT) .....	275.14	18.38
<b>28 21 00 00-0636 Fiber Optics, Video Transmission Equipment (28 21 00 00-0620)</b>		
<b>28 21 00 00-0637 Data Only, Fiber Optics Transmission Equipment (28 21 00 00-0636)</b>		
<b>28 21 00 00-0638 Bidirectional Data, Fiber Optics Transmitters (28 21 00 00-0637)</b>		
28 21 00 00-0639 EA Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AS) .....	1,615.77	36.76
28 21 00 00-0640 EA Single-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AM) .....	655.09	36.76
28 21 00 00-0641 EA Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104S) .....	1,178.51	36.76
28 21 00 00-0642 EA Four-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104M) .....	810.18	36.76
<b>28 21 00 00-0643 Bidirectional Data, Fiber Optics Receivers (28 21 00 00-0637)</b>		
28 21 00 00-0644 EA Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AS) .....	1,615.77	36.76
28 21 00 00-0645 EA Single-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AM) .....	655.09	36.76
28 21 00 00-0646 EA Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104S) .....	1,178.51	36.76
28 21 00 00-0647 EA Four-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104M) .....	810.18	36.76
<b>28 21 00 00-0648 Video Only, Fiber Optics Transmission Equipment (28 21 00 00-0636)</b>		
<b>28 21 00 00-0649 Digitally Encoded Video, Fiber Optics Transmitters (28 21 00 00-0648)</b>		
28 21 00 00-0650 EA Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AS) .....	712.53	36.76
28 21 00 00-0651 EA Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AM) .....	306.14	36.76
28 21 00 00-0652 EA Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304S) .....	1,989.85	36.76
28 21 00 00-0653 EA Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304M) .....	1,192.87	36.76
28 21 00 00-0654 EA Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308S) .....	3,265.02	36.76
28 21 00 00-0655 EA Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308M) .....	2,713.60	36.76
28 21 00 00-0656 EA Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316S) .....	8,118.70	36.76
28 21 00 00-0657 EA Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316M) .....	7,224.79	36.76
<b>28 21 00 00-0658 Digitally Encoded Video, Fiber Optics Receivers (28 21 00 00-0648)</b>		
28 21 00 00-0659 EA Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AS) .....	712.53	36.76
28 21 00 00-0660 EA Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AM) .....	306.14	36.76
28 21 00 00-0661 EA Two-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AS) .....	1,222.31	36.76
28 21 00 00-0662 EA Two-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AM) .....	490.67	36.76
28 21 00 00-0663 EA Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304S) .....	1,989.85	36.76
28 21 00 00-0664 EA Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304M) .....	1,192.87	36.76
28 21 00 00-0665 EA Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308S) .....	3,265.02	36.76
28 21 00 00-0666 EA Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308M) .....	2,713.60	36.76
28 21 00 00-0667 EA Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316S) .....	8,118.70	36.76
28 21 00 00-0668 EA Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316M) .....	7,224.79	36.76
<b>28 21 00 00-0669 Video And Data, Fiber Optics Transmission Equipment (28 21 00 00-0636)</b>		
<b>28 21 00 00-0670 Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitters (28 21 00 00-0669)</b>		
28 21 00 00-0671 EA Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AS) .....	1,234.52	36.76
28 21 00 00-0672 EA Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AM) .....	732.63	36.76
28 21 00 00-0673 EA Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041S) .....	2,885.20	36.76
28 21 00 00-0674 EA Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041M) .....	2,496.76	36.76
28 21 00 00-0675 EA Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081S) .....	4,675.17	36.76
28 21 00 00-0676 EA Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081M) .....	3,387.08	36.76
<b>28 21 00 00-0677 Digitally Encoded Video With Bidirectional Data, Fiber Optics Receivers (28 21 00 00-0669)</b>		
28 21 00 00-0678 EA Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AS) .....	1,234.52	36.76

**28 Electronic Safety And Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0679 EA Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AM) .....	732.63	36.76
28 21 00 00-0680 EA Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041S) .....	2,885.20	36.76
28 21 00 00-0681 EA Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041M) .....	2,496.76	36.76
28 21 00 00-0682 EA Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081S) .....	4,675.17	36.76
28 21 00 00-0683 EA Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081M) .....	3,387.08	36.76
<b>28 21 00 00-0684 Video, Audio And Data, Fiber Optics Transmission Equipment (28 21 00 00-0636)</b>		
<b>28 21 00 00-0685 Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitters (28 21 00 00-0684)</b>		
28 21 00 00-0686 EA Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011S) .....	1,592.80	36.76
28 21 00 00-0687 EA Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011M) .....	1,265.39	36.76
<b>28 21 00 00-0688 Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receivers (28 21 00 00-0684)</b>		
28 21 00 00-0689 EA Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011S) .....	1,592.80	36.76
28 21 00 00-0690 EA Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011M) .....	1,265.39	36.76
<b>28 21 00 00-0691 Video Amplifiers (28 21 00 00-0620)</b>		
<b>28 21 00 00-0692 Video Distribution Amplifiers (28 21 00 00-0691)</b>		
28 21 00 00-0693 EA 1 Input, 4 Outputs, Video Distribution Amplifier (Pelco DA104DT) .....	195.73	9.19
28 21 00 00-0694 EA 16 Channel, Master, Video Distribution Amplifier (Pelco CM9760-MDA) .....	1,605.88	9.19
Note: Inserts time-date and title on up to 16 video inputs.		
<b>28 21 00 00-0695 Video Equalizing Amplifiers (28 21 00 00-0691)</b>		
28 21 00 00-0696 EA Video Equalizing Amplifier (Pelco EA2010) .....	212.96	9.19
28 21 00 00-0697 EA Half-Duplex, Video Equalizing Amplifier (Pelco EA2000) .....	335.74	9.19
<b>28 21 00 00-0698 Network Video Equipment (28 21 00 00-0001)</b>		
<b>28 21 00 00-0699 Video Encoders/Decoders (28 21 00 00-0698)</b>		
28 21 00 00-0700 EA MPEG4 IP Video Receiver (Pelco NET300R) .....	788.64	18.38
28 21 00 00-0701 EA MPEG4 IP Video Transmitter (Pelco NET300T) .....	788.64	18.38
28 21 00 00-0702 EA MPEG4 IP Video Receiver With Audio (Pelco NET350R) .....	909.26	18.38
28 21 00 00-0703 EA MPEG4 IP Video Transmitter With Audio And Local Storage (Pelco NET350T) .....	909.26	18.38
<b>28 21 00 00-0704 Network Video Recorders (28 21 00 00-0698)</b>		
28 21 00 00-0705 EA 16 Device Or 100MBPS, Network Video Recorder (Pelco NVR316) .....	5,046.38	36.76
28 21 00 00-0706 EA 32 Device Or 100MBPS, Network Video Recorder (Pelco NVR332) .....	5,874.23	36.76
28 21 00 00-0707 EA 64 Device Or 100MBPS, Network Video Recorder (Pelco NVR364) .....	7,531.38	36.76
28 21 00 00-0708 EA 64 Device Or 100MBPS, PelcoNet Network Video Recorder (Pelco NVR300) .....	4,983.91	36.76
<b>28 21 00 00-0709 Network Video Recorder Software (28 21 00 00-0698)</b>		
28 21 00 00-0710 EA 10 User, License Pack (Pelco VMX300-LIC-10) .....	499.73	
28 21 00 00-0711 EA 20 User, License Pack (Pelco VMX300-LIC-20) .....	901.09	
28 21 00 00-0712 EA 50 User, License Pack (Pelco VMX300-LIC-50) .....	2,001.07	
28 21 00 00-0713 EA 100 User, License Pack (Pelco VMX300-LIC-100) .....	3,500.25	
28 21 00 00-0714 EA 10 User, Enterprise License Pack (Pelco VMX300-E-LIC10) .....	834.32	
28 21 00 00-0715 EA 20 User, Enterprise License Pack (Pelco VMX300-E-LIC20) .....	1,500.62	
28 21 00 00-0716 EA 50 User, Enterprise License Pack (Pelco VMX300-E-LIC50) .....	3,335.11	
28 21 00 00-0717 EA 100 User, Enterprise License Pack (Pelco VMX300-E-LIC100) .....	5,835.19	
28 21 00 00-0718 EA 200 User, Enterprise License Pack (Pelco VMX300-E-LIC200) .....	10,002.46	
28 21 00 00-0719 EA 500 User, Enterprise License Pack (Pelco VMX300-E-LIC500) .....	20,837.80	
28 21 00 00-0720 EA 0 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-0) .....	4,490.33	
28 21 00 00-0721 EA 1 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-1) .....	4,768.19	
28 21 00 00-0722 EA 4 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-4) .....	7,547.57	
28 21 00 00-0723 EA 0 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-0) .....	4,990.77	
28 21 00 00-0724 EA 1 Analog Input, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-1) .....	5,268.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0725 EA 4 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-4) .....	8,046.58	
28 21 00 00-0726 EA 0 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-0) .....	4,824.20	
28 21 00 00-0727 EA 1 Analog Input, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-1) .....	5,102.78	
28 21 00 00-0728 EA 4 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-4) .....	7,881.44	
28 21 00 00-0729 EA 0 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-0) .....	5,657.08	
28 21 00 00-0730 EA 1 Analog Input, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-1) .....	5,934.94	
28 21 00 00-0731 EA 4 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-4) .....	8,714.32	
<b>28 21 00 00-0732 Video Recording Equipment</b> (28 21 00 00-0001)		
<b>28 21 00 00-0733 Digital Video Recorders</b> (28 21 00 00-0732)		
28 21 00 00-0734 EA 8 Channel, 1 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4608DVD-1000) .....	4,060.56	36.76
Note: Includes 8 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 240 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.		
28 21 00 00-0735 EA 8 Channel, 2 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4608DVD-2000) .....	5,490.82	36.76
Note: Includes 8 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 240 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.		
28 21 00 00-0736 EA 8 Channel, 3 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4608DVD-3000) .....	6,921.08	36.76
Note: Includes 8 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 240 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.		
28 21 00 00-0737 EA 16 Channel, 1 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4616DVD-1000) .....	4,656.50	36.76
Note: Includes 16 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 480 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.		
28 21 00 00-0738 EA 16 Channel, 2 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4616DVD-2000) .....	6,086.76	36.76
Note: Includes 16 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 480 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.		
28 21 00 00-0739 EA 16 Channel, 3 TB Hard Drive, Digital Video Recorder With DVDRW (Pelco DX4616DVD-3000) .....	7,517.02	36.76
Note: Includes 16 camera inputs, MPEG4 compression; CIF, 2CIF, 4CIF programmable by channel; 480 IPS; pixel search, 4 audio ins, 1 out; 16 alarms ins, 4 relay outs.		
28 21 00 00-0740 EA 8 Channel, 1TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-1000A) .....	7,907.61	36.76
28 21 00 00-0741 EA 8 Channel, 2 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-2000A) .....	10,847.10	36.76
28 21 00 00-0742 EA 8 Channel, 3 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-3000A) .....	13,787.31	36.76
28 21 00 00-0743 EA 16 Channel, 1 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-1000A) .....	9,522.39	36.76
28 21 00 00-0744 EA 16 Channel, 2 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-2000A) .....	12,461.88	36.76
28 21 00 00-0745 EA 16 Channel, 3 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-3000A) .....	15,402.09	36.76
28 21 00 00-0746 EA 24 Channel, 1 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-1000A) .....	10,410.56	36.76
28 21 00 00-0747 EA 24 Channel, 2 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-2000A) .....	13,350.05	36.76
28 21 00 00-0748 EA 24 Channel, 3 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-3000A) .....	16,290.26	36.76
28 21 00 00-0749 EA 32 Channel, 1 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-1000A) .....	12,025.34	36.76
28 21 00 00-0750 EA 32 Channel, 2 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-2000A) .....	14,964.83	36.76
28 21 00 00-0751 EA 32 Channel, 3 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-3000A) .....	17,905.04	36.76
28 21 00 00-0752 EA 16 Channel, 30 IPS, Digital Video Recorder (Pelco DX9116F-1500) .....	8,729.93	36.76
<b>28 21 00 00-0753 Digital Video Recorder Accessories</b> (28 21 00 00-0732)		
28 21 00 00-0754 EA 16 Channel, Multiplexed Analog Output Display Card (Pelco DX8000-MUX16) .....	762.79	18.38
<b>28 21 00 00-0755 Matrix Systems And Controls</b> (28 21 00 00-0001)		
<b>28 21 00 00-0756 Video Multiplexers</b> (28 21 00 00-0755)		
<b>28 21 00 00-0757 Monochrome Duplex, Video Multiplexers</b> (28 21 00 00-0756)		
28 21 00 00-0758 EA 9 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4009MD) .....	1,447.76	36.76
28 21 00 00-0759 EA 16 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4016MD) .....	1,368.06	36.76
<b>28 21 00 00-0760 Color Duplex, Video Multiplexers</b> (28 21 00 00-0756)		
28 21 00 00-0761 EA 4 Channel, Color Duplex, Video Multiplexer (Pelco MX4004CD) .....	976.04	36.76
28 21 00 00-0762 EA 9 Channel, Color Duplex, Video Multiplexer (Pelco MX4009CD) .....	1,867.07	36.76
28 21 00 00-0763 EA 16 Channel, Color Duplex, Video Multiplexer (Pelco MX4016CD) .....	2,024.32	36.76
<b>28 21 00 00-0764 Color Simplex, Video Multiplexers</b> (28 21 00 00-0756)		
28 21 00 00-0765 EA 9 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4009CS) .....	1,568.39	36.76
28 21 00 00-0766 EA 16 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4016CS) .....	1,832.61	36.76
<b>28 21 00 00-0767 Video Multiplexer Accessories</b> (28 21 00 00-0756)		
28 21 00 00-0768 EA Pushbutton/Joystick Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4000) .....	858.62	25.10
28 21 00 00-0769 EA Pushbutton Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4002) .....	501.05	25.10
28 21 00 00-0770 EA Video Multiplexer Server (Pelco MX4000SVR) .....	1,447.76	36.76



**28 Electronic Safety And Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>28 21 00 00-0771 Quad Video Processor</b> <small>(28 21 00 00-0755)</small>		
28 21 00 00-0772 EA Monochrome, Quad Video Processor (Pelco QD104M) .....	446.74	18.38
28 21 00 00-0773 EA Color, Quad Video Processor (Pelco QD104C) .....	733.94	18.38
<b>28 21 00 00-0774 Switcher</b> <small>(28 21 00 00-0755)</small>		
<b>28 21 00 00-0775 Terminating Manual Switchers</b> <small>(28 21 00 00-0774)</small>		
<b>28 21 00 00-0776 Terminating Manual Switchers</b> <small>(28 21 00 00-0775)</small>		
28 21 00 00-0777 EA 4 Inputs, Terminating Manual Switcher (Pelco MS504DT) .....	153.62	14.70
28 21 00 00-0778 EA 8 Inputs, Terminating Manual Switcher (Pelco MS508DT) .....	209.63	14.70
28 21 00 00-0779 EA 12 Inputs, Terminating Manual Switcher (Pelco MS512DT) .....	255.58	14.70
28 21 00 00-0780 EA 18 Inputs, Terminating Manual Switcher (Pelco MS518DT) .....	420.00	14.70
<b>28 21 00 00-0781 Audio Follow, Terminating Manual Switchers</b> <small>(28 21 00 00-0775)</small>		
28 21 00 00-0782 EA 4 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS504AF) .....	199.58	14.70
28 21 00 00-0783 EA 8 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS508AF) .....	353.95	14.70
28 21 00 00-0784 EA 18 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS518AF) .....	620.32	14.70
<b>28 21 00 00-0785 Balanced Audio Follow, Terminating Manual Switchers</b> <small>(28 21 00 00-0775)</small>		
28 21 00 00-0786 EA 4 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS504BAF) .....	267.79	14.70
28 21 00 00-0787 EA 8 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS508BAF) .....	493.24	14.70
<b>28 21 00 00-0788 Looping Manual Switchers</b> <small>(28 21 00 00-0774)</small>		
<b>28 21 00 00-0789 Looping Manual Switchers</b> <small>(28 21 00 00-0788)</small>		
28 21 00 00-0790 EA 4 Inputs, Looping Manual Switcher (Pelco MS504LDT) .....	172.29	14.70
28 21 00 00-0791 EA 8 Inputs, Looping Manual Switcher (Pelco MS508LDT) .....	237.63	14.70
28 21 00 00-0792 EA 12 Inputs, Looping Manual Switcher (Pelco MS512LDT) .....	303.69	14.70
28 21 00 00-0793 EA 18 Inputs, Looping Manual Switcher (Pelco MS518LDT) .....	502.57	14.70
<b>28 21 00 00-0794 Audio Follow, Looping Manual Switchers</b> <small>(28 21 00 00-0788)</small>		
28 21 00 00-0795 EA 4 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS504AFL) .....	215.37	14.70
28 21 00 00-0796 EA 8 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS508AFL) .....	378.36	14.70
28 21 00 00-0797 EA 12 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS512AFL) .....	520.52	14.70
<b>28 21 00 00-0798 Balanced Audio Follow, Looping Manual Switchers</b> <small>(28 21 00 00-0788)</small>		
28 21 00 00-0799 EA 4 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS504BAFL) .....	287.17	14.70
28 21 00 00-0800 EA 8 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS508BAFL) .....	522.68	14.70
28 21 00 00-0801 EA 12 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS512BAFL) .....	658.38	14.70
<b>28 21 00 00-0802 Sequential Switchers</b> <small>(28 21 00 00-0774)</small>		
<b>28 21 00 00-0803 Single Output, Sequential Switchers</b> <small>(28 21 00 00-0802)</small>		
28 21 00 00-0804 EA 4 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6104) .....	304.40	14.70
28 21 00 00-0805 EA 8 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6108) .....	455.18	14.70
<b>28 21 00 00-0806 Dual Outputs, Sequential Switchers</b> <small>(28 21 00 00-0802)</small>		
28 21 00 00-0807 EA 4 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6204) .....	381.23	14.70
28 21 00 00-0808 EA 8 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6208) .....	529.14	14.70
<b>28 21 00 00-0809 Controls</b> <small>(28 21 00 00-0755)</small>		
<b>28 21 00 00-0810 Direct/Multi-Cable Controls</b> <small>(28 21 00 00-0809)</small>		
28 21 00 00-0811 EA Scanner Control Module (Pelco MPS524DT) .....	257.32	36.76
28 21 00 00-0812 EA 120 Volt AC Pan/Tilt Control Module (Pelco MPT115DT) .....	275.27	36.76
28 21 00 00-0813 EA 24 Volt AC Pan/Tilt Control Module (Pelco MPT24DT) .....	306.14	36.76
28 21 00 00-0814 EA Motorized Zoom Lens Control Module (Pelco MLZ6DT) .....	320.50	36.76
28 21 00 00-0815 EA 120 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ115DT) .....	510.05	36.76
28 21 00 00-0816 EA 24 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ24DT) .....	562.47	36.76
<b>28 21 00 00-0817 Coaxitron Controls</b> <small>(28 21 00 00-0809)</small>		
28 21 00 00-0818 EA Desktop Keyboard, Fixed Speed Coaxitron Controller And Transmitter (Pelco KBD9000) .....	367.51	25.10
28 21 00 00-0819 EA 8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9000) .....	705.68	25.10
28 21 00 00-0820 EA Integral Switcher, 8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9008) .....	802.61	25.10
<b>28 21 00 00-0821 Digital Controls</b> <small>(28 21 00 00-0809)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 00 00-0822 EA Pushbutton Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD200A).....	497.46	25.10
28 21 00 00-0823 EA Pushbutton/Joystick Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD300A).....	851.44	25.10
<b>28 21 00 00-0824 Lock Boxes</b> <small>(28 21 00 00-0755)</small>		
28 21 00 00-0825 EA VCR Lock Box (Pelco LB1000).....	305.71	27.57
For Wall Mount, Add	165.00	
28 21 00 00-0826 EA Computer Disk Drive Lock Box (Pelco LB2000) .....	312.89	27.57
28 21 00 00-0827 EA VCR And Multiplexer Lock Box (Pelco LB3000) .....	578.55	27.57
Note: Includes storage for 32 VCR tapes.		

**28 40 Life Safety** (28)

Note: Includes testing of new devices and certification.

**28 42 Gas Detection and Alarm** (28 40)

**28 42 11 Gas Detection And Alarm Control, GUI, And Logic Systems** (28 42)

28 42 11 00-0001 Monitoring System For Underground Tanks (28 42 11)

28 42 11 00-0002 Continuous Leak Detection System (28 42 11 00-0001)

Note: Includes calibration, electronic control module and probes. Excludes sample wells, electrical power supply and sensor cable.

28 42 11 00-0003 EA Single Channel Underground Tank Monitoring System .....	4,419.92	300.85
28 42 11 00-0004 EA 2 Channel Underground Tank Monitoring System .....	5,961.88	401.37
28 42 11 00-0005 EA 3 Channel Underground Tank Monitoring System .....	8,388.81	430.00
28 42 11 00-0006 EA 4 Channel Underground Tank Monitoring System .....	9,045.82	601.70
28 42 11 00-0007 EA Control Panel, 1-8 Tanks, Single Wall Tank Monitoring System .....	6,230.53	51.36
28 42 11 00-0008 EA Control Panel, 1-4 Tanks, Double Wall Tank Monitoring System .....	5,618.51	45.87
28 42 11 00-0009 EA Control Panel, 1-8 Tanks, Double Wall Tank Monitoring System .....	7,385.14	51.36
28 42 11 00-0010 EA Tank Leak Detection Probe .....	2,284.40	11.01
28 42 11 00-0011 EA Secondary Containment Collar Probe .....	279.89	4.40
28 42 11 00-0012 EA Interstitial Leak Detection Probe .....	513.41	9.17
28 42 11 00-0013 EA Liquid Phase Detection .....	1,693.37	27.52
28 42 11 00-0014 EA Hydrocarbon Vapor, Fixed .....	1,563.77	27.52
28 42 11 00-0015 EA Hydrocarbon Vapor, Float Mounted .....	1,826.44	31.19
28 42 11 00-0016 EA Liquid And Vapor Hydrocarbon .....	2,085.64	31.19

**28 42 15 Gas Detection Sensors** (28 42)

28 42 15 00-0001 Hydrogen Gas Detection (28 42 15)

28 42 15 00-0002 EA Hydrogen Gas Detector Sensor, 1% Fan Relay, 2% Alarm (SBS HGDI-DR) .....	1,131.37	27.57
28 42 15 00-0003 EA Hydrogen Gas Detector Junction Box (SBS HGDI-JB) .....	60.47	27.57
28 42 15 00-0004 EA Remote Display With 25' Cable For Hydrogen Gas Detector (SBS HGDI-REM) .....	289.62	27.57

**28 43 Fuel Oil Detection And Alarm** (28 40)

See CSI section 28 42 00 00-0000 for detection and alarms.

**28 46 Fire Detection And Alarm** (28 40)

**28 46 11 Fire Sensors and Detectors** (28 46)

**28 46 11 11 Linear Heat Detection Sensors** (28 46 11)

28 46 11 11-0001 Protectowire Fire Alarm (28 46 11 11)

28 46 11 11-0002 Linear Heat Detector Cable (28 46 11 11-0001)

28 46 11 11-0003 LF Multi-Purpose Linear Heat Detector, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC) .....	3.29	
28 46 11 11-0004 LF Multi-Purpose Linear Heat Detector With Messenger Wire, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC-M) .....	3.56	
28 46 11 11-0005 LF High Performance Linear Heat Detector, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR) .....	3.56	
28 46 11 11-0006 LF High Performance Linear Heat Detector With Messenger Wire, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR-M) .....	3.83	
28 46 11 11-0007 LF Multi-Purpose Linear Heat Detector, XLT Type, 135 Degree F (Protectowire PHSC-XLT) .....	4.20	
28 46 11 11-0008 LF Multi-Purpose Linear Heat Detector With Messenger Wire, XLT Type, 135 Degree F (Protectowire PHSC-XLT-M) .....	4.47	
28 46 11 11-0009 EA Flexible Lead Connector For Linear Heat Detector (Protectowire PFL) .....	41.99	
28 46 11 11-0010 EA Splicing Connector For Linear Heat Detector (Protectowire PWSC) .....	16.38	
28 46 11 11-0011 EA Cable Tray Clip For Linear Heat Detector (Protectowire CC-2N And CC-2W) .....	5.57	
28 46 11 11-0012 EA Cable Tray Spring Clip For Linear Heat Detector (Protectowire HPC-2) .....	5.57	
28 46 11 11-0013 EA Adhesive Cable Mount For Linear Heat Detector (Protectowire EMS-A-CO) .....	6.22	
28 46 11 11-0014 EA Beam Clamp For Linear Heat Detector (Protectowire BC-2) .....	9.70	
28 46 11 11-0015 EA Beam Clamp With Polypropylene Clip For Linear Heat Detector (Protectowire BC-3P) .....	10.06	
28 46 11 11-0016 EA Pipe Mounting Straps Nylon (3/4" to 2" Pipe) (Protectowire PM-3A) .....	0.93	
28 46 11 11-0017 EA Pipe Mounting Straps Nylon (2-1/2" to 3-1/2" Pipe) (Protectowire PM-3B) .....	1.26	
28 46 11 11-0018 EA Pipe Mounting Straps Nylon (4" to 6" Pipe) (Protectowire PM-3C) .....	5.54	

**28 46 20 Fire Alarm** (28 46)

**28 Electronic Safety And Security**

28 40 Life Safety

28 46 Fire Detection And Alarm

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**28 46 21 33 Fire Detection and Alarm Annunciation Panels and Fire Stations (28 46 20)**

28 46 21 33-0001	EA	Edwards Fire Alarm (28 46 21 33)		
28 46 21 33-0002	EA	EST3 Life Safety And Security Control (28 46 21 33-0001)		
28 46 21 33-0003	EA	EST3 Network (28 46 21 33-0002)		
28 46 21 33-0004	EA	Remote Annunciators (28 46 21 33-0003)		
28 46 21 33-0005	EA	Remote LCD Command Module Annunciator (EST3 3-LCDANN).....	916.97	55.13
		Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.		
28 46 21 33-0006	EA	Six Position Base Annunciator (EST3 3-6ANN).....	748.22	55.13
		Note: Includes door, CPU card, two annunciator support modules and five blank filler plates. Space provided for up to four Control/Display Modules and one 3-LCD Liquid Crystal Display Module.		
28 46 21 33-0007	EA	Ten Position Base Annunciator (EST3 3-10ANN).....	944.99	55.13
		Note: Includes door, CPU card, two annunciator support modules and nine blank filler plates. Space provided for up to eight Control/Display Modules and one 3-LCD Liquid Crystal Display Module.		
28 46 21 33-0008	EA	Annunciator CPU (EST3 3-ANNCPU3).....	604.17	55.13
		Note: One Required per graphic annunciator.		
28 46 21 33-0009	EA	Annunciator Support Module (EST3 3-ANNSM).....	111.92	18.38
		Note: Takes one space in Annunciator box. Supports one Control/Display module.		
28 46 21 33-0010	EA	Liquid Crystal Display Module (EST3 3-LCD).....	390.23	55.13
		Note: Mounts over 3-CPU(1).		
28 46 21 33-0011	EA	Liquid Crystal Display Module (EST3 3-LCDXL).....	619.55	55.13
		Note: Mounts over 3-ANNCPU plus two spaces.		
28 46 21 33-0012	EA	LED/SWITCH Driver Module Assembly For Third Part Graphics (EST3 3-EVDVRA).....	439.56	55.13
		Note: Assembled version of 3-EVDVR, comes packaged with cables, mounting hardware installation instructions used for third party graphics. Mounts in 3-EVDVRX.		
28 46 21 33-0013	EA	Power Supply Assembly With 19" Rail Mounting Chassis Assembly (EST3 3-EVPWRA).....	509.80	36.76
		Note: Assembled version of 3-EVPWR, comes packaged with cables, mounting hardware and mounting plate for 3-ANNCPU1. Used for third party graphics.		
28 46 21 33-0014	EA	Plastic Mounting Extrusion 19" Mounting (EST3 3-EVDVRX).....	78.42	18.38
		Note: Mounts up to three 3-EVDVRA modules.		
28 46 21 33-0015	EA	Central Processor Unit Module (EST3 3-CPU3).....	1,085.01	55.13
		Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.		
28 46 21 33-0016	EA	Primary Power Supply With Local Rail Module, 120 VAC, 50/60 Hz (EST3 3-CPU3).....	955.70	18.38
		Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.		

**28 46 21 33-0017 Remote Annunciators Cabinets (28 46 21 33-0003)**

28 46 21 33-0018	EA	Remote LCD Command Module Flush Mount LCD Wallbox (EST3 RLCMB/B).....	84.41	18.38
28 46 21 33-0019	EA	Remote LCD Command Module Surface Mount LCD Wallbox (EST3 RLCMB/B-S).....	77.06	14.70
28 46 21 33-0020	EA	Six Position LED/LCD Flush Wallbox (EST3 6ANN/B).....	94.98	18.38
28 46 21 33-0021	EA	Six Position LED/LCD Surface Wallbox (EST3 6ANN/B-S).....	87.63	14.70
28 46 21 33-0022	EA	Ten Position LED/LCD Flush Wallbox (EST3 10ANN/B).....	104.90	18.38
28 46 21 33-0023	EA	Ten Position LED/LCD Surface Wallbox (EST3 10ANN/B-S).....	97.55	14.70

**28 46 21 33-0024 Audio And Telephone Masters (28 46 21 33-0003)**

28 46 21 33-0025	EA	Audio Source Unit With Local Microphone And Firefighters' Telephone (EST3 3-ASU/FT).....	2,978.68	73.51
28 46 21 33-0026	EA	Audio Source Unit With Local Microphone (Provides Four Local Rail Spaces) (EST3 3-ASU/4).....	1,661.67	73.51
28 46 21 33-0027	EA	Audio Source Unit With Local Microphone And Inner Door Filler Plate (EST3 3-ASU).....	1,818.04	73.51
28 46 21 33-0028	EA	Fire Fighters Telephone Control Unit With Inner Door Filler Plate (EST3 3-FTCU).....	1,571.12	73.51
28 46 21 33-0029	EA	Audio Source Unit Memory Expansion, 100 Minutes (EST3 3-ASUMX/100).....	1,793.33	73.51
28 46 21 33-0030	EA	Zoned Amplifier, 95 Watt, Class B. 95 Watt Selectable For 25 Or 70 Vrms Class B Output. Mounts In 2 LRM Spaces (EST3 3-ZA95).....	1,831.62	36.76

**28 46 21 33-0031 Battery Distribution Unit (28 46 21 33-0003)**

28 46 21 33-0032	EA	Battery Distribution Unit (EST3 3-BTSEN).....	334.72	261.20
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**28 46 21 33-0033 Remote Booster Power Supply (28 46 21 33-0003)**

28 46 21 33-0034	EA	6.5 Amp, 120 VAC, Booster Power Supply (EST3 BPS6A).....	521.89	55.13
28 46 21 33-0035	EA	10 Amp, 110 VAC Booster Power Supply (EST3 BPS10).....	595.13	55.13
28 46 21 33-0036	EA	10 Amp, 220 VAC Booster Power Supply (EST3 BPS10220).....	649.10	55.13
28 46 21 33-0037	EA	Tamper Switch - For CAB7, 14 And 21 Series Cabinets (EST3 3-TAMP).....	86.18	18.38

**28 46 21 33-0038 Batteries And Battery Cabinets (28 46 21 33-0003)**

28 46 21 33-0039	EA	1.2 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V1A2 (1.2 Amp Hours)).....	66.07	18.38
28 46 21 33-0040	EA	4 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V4A (4.5 Amp Hours)).....	81.98	18.38
28 46 21 33-0041	EA	24 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V24A (26 Amp Hours)).....	191.75	18.38
28 46 21 33-0042	EA	6.5 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V6A5 (7.2 Amp Hours)).....	88.35	18.38
28 46 21 33-0043	EA	40 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V40A (40 Amp Hours)).....	242.71	18.38
28 46 21 33-0044	EA	10 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V10A (11 Amp Hours)).....	137.22	18.38
28 46 21 33-0045	EA	50 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V50A (50 Amp Hours)).....	490.98	18.38
28 46 21 33-0046	EA	17 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V17A (18 Amp Hours)).....	140.50	18.38
28 46 21 33-0047	EA	65 Amp Hours Sealed Lead Acid Battery - 12 VDC (EST3 12V65A (65 Amp Hours)).....	590.81	18.38
28 46 21 33-0048	EA	8.0 Amp Hours Sealed Lead Acid Battery - 6 VDC (EST3 6V8A (8 Amp Hours)).....	78.88	18.38
28 46 21 33-0049	EA	10 Amp Hours Sealed Lead Acid Battery - 6 VDC (EST3 6V10A (12 Amp Hours)).....	70.93	18.38



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0050 EA Battery Cabinet, 14.0" x 18.25" x 7.25" Free Standing Cabinet With Key Lock (EST3 BC-1).....	251.02	36.76
Note: Supports up to 40 Ah batteries will hold up to two 12V24A batteries.		
28 46 21 33-0051 EA Battery Cabinet, Gray 22" X 15" X 3.75" (EST3 BC-2) .....	208.16	36.76
Note: Holds up to two 12V17A batteries.		
28 46 21 33-0052 EA Remote Closet Enclosure (EST3 3-RCC7R) .....	706.84	73.51
28 46 21 33-0053 EA Remote Closet Enclosure (EST3 3-RCC14R) .....	875.54	73.51
28 46 21 33-0054 EA Remote Closet Enclosure (EST3 3-RCC21R) .....	1,225.38	73.51
<b>28 46 21 33-0055 Serial Printer</b> <small>(28 46 21 33-0003)</small>		
28 46 21 33-0056 EA System Printer - Desk Top Style (EST3 PT-1S) .....	958.31	18.38
<b>28 46 21 33-0057 Intelligent Analog Initiating Devices</b> <small>(28 46 21 33-0002)</small>		
<b>28 46 21 33-0058 Detectors, Signature</b> <small>(28 46 21 33-0057)</small>		
28 46 21 33-0059 EA Intelligent 4D Multisensor Detector - Ionization, Photoelectric, Heat (EST3 SIGA-IPHS) .....	151.10	27.57
28 46 21 33-0060 EA Intelligent 4D Multisensor Detector, Black - Ionization, Photoelectric, Heat (EST3 SIGA-IPHSB) .....	169.62	27.57
28 46 21 33-0061 EA Intelligent 3D Multisensor Detector - Photoelectric, Heat (EST3 SIGA-PHS) .....	145.58	27.57
28 46 21 33-0062 EA Intelligent Photoelectric Smoke Detector (EST3 SIGA-PS) .....	129.03	27.57
28 46 21 33-0063 EA Intelligent Ionization Smoke Detector (EST3 SIGA-IS) .....	134.54	27.57
28 46 21 33-0064 EA Intelligent Fixed Temperature / Rate-of-Rise Heat Detector - 135F, 15F Per Minute (EST3 SIGA-HRS) .....	110.57	27.57
28 46 21 33-0065 EA Intelligent Fixed Temperature Heat Detector - 135 Degree F (EST3 SIGA-HFS) .....	110.57	27.57
28 46 21 33-0066 EA Passive Infrared Motion Detector (EST3 SIGA-MD) .....	174.55	27.57
28 46 21 33-0067 EA Passive Infrared Motion Detector With Swivel Mount For Single Gang Boxes (EST3 SIGA-MDS) .....	192.62	27.57
28 46 21 33-0068 EA Intelligent Photoelectric Smoke Detector (EST3 SIGA2-PS) .....	162.82	27.57
28 46 21 33-0069 EA Intelligent Combination Photo Electric And CO Sensor (EST3 SIGA2-PCOS) .....	234.64	27.57
28 46 21 33-0070 EA Intelligent Fixed Temperature Heat Detector - 135 Degree F (EST3 SIGA2-HFS) .....	136.01	27.57
28 46 21 33-0071 EA Intelligent Fixed Temperature / Rate-of-Rise Heat Detector - 135F, 15F Per Minute (EST3 SIGA2-HRS) .....	136.01	27.57
28 46 21 33-0072 EA Intelligent 3D Multisensor Detector - Photoelectric, Heat (EST3 SIGA2-PHS) .....	186.95	27.57
<b>28 46 21 33-0073 Detectors, Duct Housings and Accessories, Signature</b> <small>(28 46 21 33-0057)</small>		
28 46 21 33-0074 EA Superduct, Signature Duct Smoke Detector (EST3 SIGA-SD) .....	305.10	45.95
28 46 21 33-0075 EA Superduct, Test Magnet Kit (EST3 SD-MAG) .....	13.43	
28 46 21 33-0076 EA Superduct, 120" Air Sample Tube (EST3 SD-T120) .....	40.43	11.03
28 46 21 33-0077 EA Superduct, Remote Test Station, Keyed, 2-Wire And SIGA (EST3 SD-TRK) .....	79.86	14.70
28 46 21 33-0078 EA Duct Smoke Detector Test Station, 2-Gang Plastic Plate With Key Switch, 2 Keys, Use With Duct Detector Only (EST3 SIGA-DTS) .....	107.86	14.70
28 46 21 33-0079 EA High Temp Heat Detector, 194 Degree F, Combination Rate-Of-Rise And Fixed Temperature (EST3 282B-PL) .....	47.92	14.70
<b>28 46 21 33-0080 Detectors, Smoke, Beam</b> <small>(28 46 21 33-0057)</small>		
28 46 21 33-0081 EA Fireray 2000 Beam Alignment Aid, For Quick Alignment Of Beam Detector Transmitter And Receiver Heads (EST3 0201-01-A) .....	105.71	
28 46 21 33-0082 EA Fireray 2000 Beam Smoke Detector (By Fire Fighting Enterprises) (EST3 22310-18-01) .....	1,243.88	27.57
Note: Includes controller and remote mount transmitter and receiver head.		
28 46 21 33-0083 EA Fireray 2000 Beam Detector Prism, Use To Reflect Beam When Mounting Transmitter And Receiver Heads On Same Wall (EST3 23901-00) .....	75.22	9.19
28 46 21 33-0084 EA Replacement Reflector, For EC-50R/-100R Reflective Beam Detectors (EST3 23901-01) .....	89.40	9.19
28 46 21 33-0085 EA 160 - 330' Reflective Beam Detector (EST3 EC-100R) .....	1,285.76	27.57
28 46 21 33-0086 EA 15 - 160' Reflective Beam Detector (EST3 EC-50R) .....	1,096.43	27.57
28 46 21 33-0087 EA Remote Test Station, For EC-50R/-100R Reflective Beam Detectors (EST3 EC-LLT) .....	255.10	9.19
28 46 21 33-0088 EA 160 - 330' Self Adjusting Reflective Beam Detector (EST3 EC-5000R) .....	1,355.62	27.57
<b>28 46 21 33-0089 Modules, Signature</b> <small>(28 46 21 33-0057)</small>		
28 46 21 33-0090 EA Universal Class A/B Module - UIO Mount (EST3 SIGA-MAB) .....	141.93	18.38
28 46 21 33-0091 EA Class B Single Input Module (One Gang Standard Mount) (EST3 SIGA-CT1) .....	92.85	18.38
28 46 21 33-0092 EA Class B Dual Input Module (One Gang Standard Mount) (EST3 SIGA-CT2) .....	131.97	18.38
28 46 21 33-0093 EA Class B Dual Input UIO (Plug In) Module (EST3 SIGA-MCT2) .....	127.17	18.38
28 46 21 33-0094 EA Single Input (Riser) Module, Features A Built-In Ring Tone Generator, Use For Switching A Single Signal Or Audio Circuit (EST3 SIGA-CC1) .....	146.73	18.38
28 46 21 33-0095 EA Dual Input (Riser) Module, Use For Switching (Selecting) Either Of Two Signal Or Audio Input Circuits To One Signal Output Circuit (EST3 SIGA-CC2) .....	154.85	18.38
28 46 21 33-0096 EA Control Relay Module (One Gang Standard Mount) (EST3 SIGA-CR) .....	113.52	18.38
Note: Select for either N.O. or N.C. operation. Rated at 2 amps (24Vdc).		
28 46 21 33-0097 EA Control Relay UIO (Plug In) Module (EST3 SIGA-MCR) .....	110.66	18.38
28 46 21 33-0098 EA Single Input (Riser) Module With Strobe Synchronization Output (EST3 SIGA-CC1S) .....	147.54	18.38
28 46 21 33-0099 EA Universal Input/Output Module - Input With Programmable Output (EST3 SIGA-IO) .....	143.84	18.38
28 46 21 33-0100 EA Input/Output Module - UIO Mount, Multifunction Module With Input And Program (EST3 SIGA-MIO) .....	138.32	18.38
28 46 21 33-0101 EA Waterflow/Tamper Module (One Gang Standard Mount) (EST3 SIGA-WTM) .....	126.88	108.50
28 46 21 33-0102 EA Monitor Module (One Gang Standard Mount) (EST3 SIGA-MM1) .....	93.07	18.38
Note: Factory programmed for non-latching monitor operation.		
28 46 21 33-0103 EA Single Input (Riser) Module, With Synchronization Output (EST3 SIGA-MCC1S) .....	148.26	18.38
<b>28 46 21 33-0104 Module Accessories, Signature</b> <small>(28 46 21 33-0057)</small>		
Note: Universal I/O motherboards are required for UIO plug-in modules. Module mounting plates can be used to mount multiple 1 and 2-gang modules.		

**28 Electronic Safety And Security****28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0105	EA		Module Mounting Bracket - For 4" Square Box, Mounting Kit Allows Installing 2 Single Gang Signature Modules Into A Single 4" Square Box (EST3 SIGA-MB4).....	36.92	9.19
28 46 21 33-0106	EA		Universal Input/Output Module Motherboard - 6 Position, Use For M Series Modules (EST3 SIGA-UIO6).....	125.38	18.38
28 46 21 33-0107	EA		Transient Protector - For Bell And Horn Circuits, Provides Transient Protection To -CC1, -MCC1, -CC2, -MCC2, -UM And -MAB Modules (EST3 235196P).....	13.79	5.51
28 46 21 33-0108	EA		Signature Module Mounting Plate, 1 Footprint, Space For Up To Four 2-Gang Signature Modules Or Eight 1-Gang Signature Modules (EST3 SIGA-MP1).....	43.30	9.19
28 46 21 33-0109	EA		Signature Module Mounting Plate, 1/2 Footprint, Space For Up To Two 2-Gang Signature Modules Or Four 1-Gang Signature Modules (EST3 SIGA-MP2).....	38.72	9.19
28 46 21 33-0110	EA		Signature Module Mounting Plate, 1/2 Extended Footprint, Space For Up To Three 2-Gang Signature Modules Or Six 1-Gang Signature Modules (EST3 SIGA-MP2L).....	40.53	9.19
<b>28 46 21 33-0111</b>			<b>Single Action Pull Stations, Signature</b> (28 46 21 33-0057)		
28 46 21 33-0112	EA		One Stage Fire Alarm Station, English Markings (EST3 SIGA-270).....	156.61	38.23
28 46 21 33-0113	EA		Two Stage (Pre Signal) Fire Alarm Station, English Markings (EST3 SIGA-270P).....	184.29	38.23
28 46 21 33-0114	EA		GA Key - For Pre Signal Station (EST3 276-K2).....	21.41	17.74
28 46 21 33-0115	EA		20 Glass Rods For SIGA-270 Series Stations (EST3 270-GLR).....	26.74	23.07
28 46 21 33-0116	EA		Surface Mount Box, Red - For SIGA-270 Series (EST3 276B-RSB).....	41.36	26.65
<b>28 46 21 33-0117</b>			<b>Double Action Pull Stations, Signature</b> (28 46 21 33-0057)		
28 46 21 33-0118	EA		Double Action (One Stage) Fire Alarm Station, English Markings (EST3 SIGA-278).....	161.34	38.23
28 46 21 33-0119	EA		12 Glass Rods For SIGA-278 Series (EST3 276-GLR).....	27.13	3.68
<b>28 46 21 33-0120</b>			<b>Detector Bases and Accessories, Signature</b> (28 46 21 33-0057)		
			Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, and -PHS detectors and -SB, -RB and -IB bases.		
28 46 21 33-0121	EA		Audible (Sounder) Base (EST3 SIGA-AB4G).....	77.86	9.19
28 46 21 33-0122	EA		Surface Box - For Sounder Base, Use With -AB4G Models Only (EST3 AB4G-SB).....	29.51	9.19
28 46 21 33-0123	EA		Audible (Sounder) Base, Mounts To 4" Square, 2-1/8" Deep Box (EST3 SIGA-AB4).....	97.07	9.19
28 46 21 33-0124	EA		Detector (Smoke) Guard, Covers Detectors Mounted To Flush Boxes, Compatible With -IPHS And -PS Signature Detectors (EST3 SIGA-DG).....	55.36	9.19
28 46 21 33-0125	EA		Detector (Smoke) Guard Surface Box - For SIGA-DG (EST3 SIGA-DGSB).....	64.58	9.19
28 46 21 33-0126	EA		Detector Mounting Plate (EST3 SIGA-DMP).....	101.48	9.19
			Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, -PHS and -IPHS detectors and -SB, -RB and -IB bases. SIGA-IPHS 4D detector is limited to operation in air velocities less than 500 feet per minute.		
28 46 21 33-0127	EA		Remote Alarm LED, Use With -SB And -SB4 Standard Base Only (EST3 SIGA-LED).....	36.92	9.19
28 46 21 33-0128	EA		Trim Skirt/Ring - For Octagon Box (EST3 SIGA-TS).....	13.87	5.51
28 46 21 33-0129	EA		Trim Skirt/Ring - For 4" Square Box, Use To Hide Imperfections Around Electric Boxes Not Completely Hidden By Standard Bases, With All 4" Bases (EST3 SIGA-TS4).....	13.87	5.51
28 46 21 33-0130	EA		Detector (Smoke) Guard Mounting Flange, Provides Secure Mounting While Offering Easy Guard Removal, With Tamper Hardware (EST3 SIGA-DGMF).....	38.79	5.51
28 46 21 33-0131	EA		Detector Base With Isolator (EST3 SIGA-IB).....	63.65	9.19
28 46 21 33-0132	EA		Detector Base With Isolator - For 4" Square Box, With TS4 Skirt (EST3 SIGA-IB4).....	67.60	9.19
28 46 21 33-0133	EA		Detector Base With Form 'C' Relay (EST3 SIGA-RB).....	56.76	9.19
28 46 21 33-0134	EA		Detector Base With Form 'C' Relay - For 4" Square Box, With TS4 Skirt (EST3 SIGA-RB4).....	56.75	9.19
28 46 21 33-0135	EA		Detector Base - Standard, For 4" Square Box, With TS4 Skirt (EST3 SIGA-SB4).....	30.93	9.19
<b>28 46 21 33-0136</b>			<b>Controllers, Signature</b> (28 46 21 33-0057)		
28 46 21 33-0137	EA		Signature Dual Driver Controller (EST3 3-SDDC1).....	2,138.44	55.13
28 46 21 33-0138	EA		Single Signature Loop Controller (EST3 3-SSDC1).....	1,227.94	55.13
28 46 21 33-0139	EA		Signature Loop Controller (EST3 3-SDC1).....	1,103.67	55.13
28 46 21 33-0140	EA		Analog Addressable Loop Controller (EST3 3-AADC1).....	1,765.93	55.13
<b>28 46 21 33-0141</b>			<b>Relays And Accessories</b> (28 46 21 33-0057)		
28 46 21 33-0142	EA		Multi Voltage Relay (EST3 MR101).....	114.94	18.38
28 46 21 33-0143	EA		Single SPDT Auxiliary Relay With LED Track Mounting (EST3 MR101/T).....	34.58	9.19
<b>28 46 21 33-0144</b>			<b>Notification Appliances</b> (28 46 21 33-0002)		
<b>28 46 21 33-0145</b>			<b>Wall Strobes, Horns And Chimes</b> (28 46 21 33-0144)		
28 46 21 33-0146	EA		Strobe (15, 30, 75, Or 110 cd Output), White (EST3 G1-VM).....	94.58	27.57
28 46 21 33-0147	EA		Strobe (15, 30, 75, Or 110 cd Output), Red (EST3 G1R-VM).....	94.58	27.57
28 46 21 33-0148	EA		Horn-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-HDVM).....	107.43	27.57
28 46 21 33-0149	EA		Temporal Horn (Selectable High Or Low dB Output), White (EST3 G1-HD).....	80.10	27.57
28 46 21 33-0150	EA		Temporal Horn (Selectable High Or Low dB Output), Red (EST3 G1R-HD).....	80.10	27.57
28 46 21 33-0151	EA		Temporal Horn, Hi/Lo dB Output, 24 VDC, White, With The Word "FIRE" On Housing (EST3 G1F-HD).....	80.10	27.57
28 46 21 33-0152	EA		Temporal Horn, Hi/Lo dB Output, 24 VDC, Red, With The Word "FIRE" On Housing (EST3 G1RF-HD).....	80.10	27.57
28 46 21 33-0153	EA		Horn (Steady Tone), 24 VDC, White, Not Compatible With Signal Master (EST3 G1-P).....	67.94	27.57
28 46 21 33-0154	EA		Horn (Steady Tone) - 24 VDC, Red, Not Compatible With Signal Master (EST3 G1R-P).....	67.94	27.57
28 46 21 33-0155	EA		Horn (Steady Tone), 24 VDC, Red, With The Word "FIRE" On Housing, Not Compatible With Signal Master (EST3 G1RF-P).....	67.94	27.57
28 46 21 33-0156	EA		Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-CVM).....	159.87	27.57
28 46 21 33-0157	EA		Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), Red (EST3 G1R-CVM).....	159.87	27.57
28 46 21 33-0158	EA		Genesis Chime (Selectable High Or Low dB Output), White (EST3 G1-C).....	105.87	27.57



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				28 46 21 33-0159 EA Genesis Chime (Selectable High Or Low dB Output), Red (EST3 G1R-C).....	105.87	27.57
				28 46 21 33-0160 EA Wall Strobe, 15/75 cd, White, With The Word "FIRE" On Housing (EST3 G1F-V1575).....	94.58	27.57
				28 46 21 33-0161 EA Multi-cd Strobe, 24 VDC, White, With The Word "FIRE" On Housing (EST3 G1F-VM).....	94.58	27.57
				28 46 21 33-0162 EA Multi-Candela Strobe, 24 VDC, Red, With The Word "FIRE" On Housing (EST3 G1RF-VM).....	94.58	27.57
				28 46 21 33-0163 EA Wall Strobe, 15/75 cd, Red, With The Word "FIRE" On Housing (EST3 G1RF-V1575).....	94.58	27.57
				28 46 21 33-0164 EA Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCF-VM).....	98.19	27.57
				28 46 21 33-0165 EA Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCFR-VM).....	98.19	27.57
				28 46 21 33-0166 EA Genesis Ceiling Strobe, 95-177 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST GCF-VMH).....	106.64	27.57
				28 46 21 33-0167 EA Genesis Ceiling Strobe, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VM).....	98.19	27.57
				28 46 21 33-0168 EA Genesis Ceiling Strobe, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VMH).....	98.19	27.57
				28 46 21 33-0169 EA Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, White (EST3 G1T-FIRE).....	60.03	27.57
				28 46 21 33-0170 EA Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, Red (EST3 G1RT-FIRE).....	60.03	27.57
<b>28 46 21 33-0171</b>				<b>Wall Speakers And Speaker Strobes</b> (28 46 21 33-0144)		
				28 46 21 33-0172 EA Multi-Wattage 25 VRMS Speaker (EST3 G4-S2).....	79.01	27.57
				28 46 21 33-0173 EA Multi-Candela/Wattage 25 VRMS Speaker-Strobe (EST3 G4-S2VM).....	119.76	27.57
				28 46 21 33-0174 EA Multi-Wattage 70 VRMS Speaker (EST3 G4-S7).....	79.01	27.57
				28 46 21 33-0175 EA Multi-Candela/Wattage 70 VRMS Speaker-Strobe (EST3 G4-S7VM).....	119.76	27.57
				28 46 21 33-0176 EA Surface Box, White, For Genesis Speaker (EST3 G4B).....	39.34	14.70
				28 46 21 33-0177 EA Surface Box, Red, For Genesis Speaker (EST3 G4RB).....	39.34	14.70
<b>28 46 21 33-0178</b>				<b>Ceiling Speakers And Speaker Strobes</b> (28 46 21 33-0144)		
				28 46 21 33-0179 EA Genesis Ceiling Speaker, 70 VRMS, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7).....	93.79	27.57
				28 46 21 33-0180 EA Genesis Ceiling Speaker/Strobe, 70 VRMS, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VM).....	119.76	27.57
				28 46 21 33-0181 EA Genesis Ceiling Speaker/Strobe, 70 VRMS, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VMH).....	127.99	27.57
<b>28 46 21 33-0182</b>				<b>Harsh Environment Signals</b> (28 46 21 33-0144)		
				28 46 21 33-0183 EA Temporal Horn, Self-Synchronized, 24 VDC (EST3 757-1A-T).....	83.68	27.57
				28 46 21 33-0184 EA 15/75 Candela Temporal Horn/Strobe, 24 VDC (EST3 757-7A-T).....	116.11	27.57
				28 46 21 33-0185 EA 110 Candela Temporal Horn/Strobe, 24 VDC (EST3 757-8A-T).....	116.11	27.57
				28 46 21 33-0186 EA 15 Candela Synchronized, 24 VDC, Strobe (EST3 405-5A-T).....	106.47	27.57
				28 46 21 33-0187 EA 15/75 Candela Synchronized, 24 VDC, Strobe (EST3 405-7A-T).....	100.06	27.57
				28 46 21 33-0188 EA 30 Candela Synchronized, 24 VDC, Strobe (EST3 405-3A-T).....	106.47	27.57
				28 46 21 33-0189 EA 60 Candela Synchronized, 24 VDC, Strobe (EST3 405-6A-T).....	106.47	27.57
				28 46 21 33-0190 EA 110 Candela Synchronized, 24 VDC, Strobe (EST3 405-8A-T).....	106.47	27.57
				28 46 21 33-0191 EA 15/75 Candela Synchronized, 24 VDC, Red, Outdoor Listed, Strobe (EST3 CS405-7A-T).....	117.80	31.25
				28 46 21 33-0192 EA 110 Candela Synchronized, 24 VDC, Red, Outdoor Listed, Strobe (EST3 CS405-8A-T).....	117.80	31.25
				28 46 21 33-0193 EA 15 Candela Temporal Horn/Strobe, 24 VDC (EST3 757-5A-T).....	87.62	27.57
				28 46 21 33-0194 EA 30 Candela Temporal Horn/Strobe, 24 VDC (EST3 757-3A-T).....	113.09	27.57
<b>28 46 21 33-0195</b>				<b>Fire Alarm Bells</b> (28 46 21 33-0144)		
				28 46 21 33-0196 EA 10" Single Stroke Fire Alarm Bells, 24 VDC (EST3 323D-10AW).....	125.11	27.57
				28 46 21 33-0197 EA 6" Vibrating Fire Alarm Bells, 24 VDC (EST3 439D-6AW).....	100.89	27.57
				28 46 21 33-0198 EA 10" Vibrating Fire Alarm Bells, 24 VDC (EST3 439D-10AW).....	111.23	27.57
<b>28 46 21 33-0199</b>				<b>Multiple Tone Signal</b> (28 46 21 33-0144)		
				28 46 21 33-0200 EA 27 Tone Selectable Signal, 24 VDC (EST3 5530MD-24AW).....	782.00	754.44
<b>28 46 21 33-0201</b>				<b>Multi-Purpose Loudspeaker</b> (28 46 21 33-0144)		
				28 46 21 33-0202 EA 15 Watt Loudspeaker, Gray (EST3 HPSA15G2570).....	163.75	27.57
				28 46 21 33-0203 EA 15 Watt Loudspeaker, Red (EST3 HPSA15R2570).....	163.75	27.57
<b>28 46 21 33-0204</b>				<b>Bell/Strobe Plate</b> (28 46 21 33-0144)		
				28 46 21 33-0205 EA Bell/Strobe Plate - 15cd (EST3 403-5A-R).....	82.94	14.70
<b>28 46 21 33-0206</b>				<b>Mounting Accessories</b> (28 46 21 33-0144)		
				28 46 21 33-0207 EA Surface Mount Box - Indoor, Red, 1-Gang (EST3 27193-11).....	40.09	14.70
				28 46 21 33-0208 EA One Gang Surface Mount Box, Red, No Bottom KO (EST3 27193-11-NY).....	40.09	14.70
				28 46 21 33-0209 EA Surface Mount Box - Indoor, White, 1-Gang (EST3 27193-16).....	40.09	14.70
				28 46 21 33-0210 EA Surface Mount Box - Indoor, Red, 2-Gang (EST3 27193-21).....	40.09	14.70
				28 46 21 33-0211 EA Surface Mount Box - Indoor, White, 2-Gang (EST3 27193-26).....	40.09	14.70
<b>28 46 21 33-0212</b>				<b>Firefighters' Telephones</b> (28 46 21 33-0144)		
				28 46 21 33-0213 EA Remote Telephone Warden Station - Flush, Red, 5' Armored Cable, Hinged Door With Magnetic Latch, 4-State (EST3 6830-NY-F4).....	703.30	45.95
				28 46 21 33-0214 EA Four State Remote Telephone Warden Station - Surface, Armored Cord (EST3 6830-NY-S4).....	397.60	45.95
				28 46 21 33-0215 EA Remote Telephone Warden Station - Flush, Armored Cord (EST3 6830-NY-F).....	287.51	45.95
				28 46 21 33-0216 EA Telephone Handset Assembly - Red c/w 60' Coiled Cord (EST3 6830-1).....	210.77	45.95
				28 46 21 33-0217 EA Remote Telephone Handset Station - 4-State, Red, 5' Coiled Cord (EST3 6830-4).....	383.90	45.95

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0218	EA		Three State Telephone Handset Assembly - Red, 60" Coiled Cord, Push To Talk Button (EST3 6830-5A) .....	238.16	45.95
28 46 21 33-0219	EA		Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Coiled Cord (EST3 6830-5A-4) .....	432.41	45.95
28 46 21 33-0220	EA		Three State Telephone Handset Assembly - Red, 60" Armored Cord, Push To Talk Button (EST3 6830-6A) .....	247.29	45.95
28 46 21 33-0221	EA		Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Armored Cable (EST3 6830-6A-4) .....	494.54	45.95
28 46 21 33-0222	EA		Portable Handset Receptacle, 1 Gang Stainless Steel Faceplate (EST3 6833-1) .....	55.03	14.70
28 46 21 33-0223	EA		Portable Telephone Receptacle - 1-Gang, SS, 4-State (EST3 6833-4) .....	62.97	14.70
28 46 21 33-0224	EA		Portable Telephone Handset - Black, Coiled Cord (EST3 6830-3) .....	86.41	
28 46 21 33-0225	EA		Portable Telephone Handset - Red, Coiled Cord (EST3 6700-0061) .....	86.41	
28 46 21 33-0226	EA		Frontplate - Flush Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-1) .....	132.13	18.38
28 46 21 33-0227	EA		Frontplate - Flush Mount, Red Finish, Non Break Glass Type With Two Keys (EST3 6831-2) .....	163.77	18.38
28 46 21 33-0228	EA		Frontplate - Surface Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-3) .....	116.32	18.38
28 46 21 33-0229	EA		Frontplate - Surface Mount, Red Finish, Non Break Glass Type, With Two Keys (EST3 6831-4) .....	111.67	18.38
28 46 21 33-0230	EA		Wallbox - Flush Or Surface Mount, Red Finish, 14" x 8-1/2" x 3-1/2" (EST3 6832-1) .....	84.03	27.57
28 46 21 33-0231	EA		Portable Handset Storage Cabinet, Surface Mount, With Keylock, Red Finish (EST3 TCS-6) .....	724.86	36.76
<b>28 46 21 33-0232</b>			<b>Mass Notification EC Appliances</b> (28 46 21 33-0144)		
28 46 21 33-0233	EA		G1 Wall, Strobe, White Housing, Alert Markings, Amber Lens (EST3 G1WA-VMA) .....	98.22	27.57
28 46 21 33-0234	EA		G1 Wall, Strobe, White Housing, Alert Markings, Clear Lens (EST3 G1WA-VMC) .....	94.94	27.57
28 46 21 33-0235	EA		G1 Wall, Strobe, White Housing, No Markings, Amber Lens (EST3 G1WN-VMA) .....	98.22	27.57
28 46 21 33-0236	EA		G1 Wall, Strobe, White Housing, No Markings, Clear Lens (EST3 G1WN-VMC) .....	94.94	27.57
28 46 21 33-0237	EA		G1 Wall, White Trim Ring, Alert Marking (EST3 G1WT-ALERT) .....	14.96	5.51
<b>28 46 21 33-0238</b>			<b>Hazardous Location Devices</b> (28 46 21 33-0002)		
<b>28 46 21 33-0239</b>			<b>Detectors, Rate Compensation Heat, For Explosion/Weather/Moisture Proof And Ordinary Location</b> (28 46 21 33-0238)		
28 46 21 33-0240	EA		Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 135 Degree F (EST3 302-135) .....	87.75	27.57
28 46 21 33-0241	EA		Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 194 Degree F (EST3 302-194) .....	87.75	27.57
28 46 21 33-0242	EA		Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 135 Degree F (EST3 302-AW-135) .....	90.48	27.57
28 46 21 33-0243	EA		Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 194 Degree F (EST3 302-AW-194) .....	90.48	27.57
28 46 21 33-0244	EA		Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 135 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-135) .....	123.11	27.57
28 46 21 33-0245	EA		Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 194 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-194) .....	123.11	27.57
28 46 21 33-0246	EA		Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 135 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-135) .....	90.48	27.57
28 46 21 33-0247	EA		Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 194 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-194) .....	90.48	27.57
<b>28 46 21 33-0248</b>			<b>Hazardous Locations Fire Alarm Station</b> (28 46 21 33-0238)		
28 46 21 33-0249	EA		Hazardous Location Fire Alarm Station (EST3 XAL53) .....	744.75	45.95
28 46 21 33-0250	EA		Explosion Proof, Weatherproof, Fire Alarm Station, Single Action, Cat 45 Key Reset, Terminal Connections, DPDT (EST3 MPSR1-D45WX-GE) .....	709.28	45.95
<b>28 46 21 33-0251</b>			<b>Hazardous Location Strobes</b> (28 46 21 33-0238)		
28 46 21 33-0252	EA		Explosion Proof Strobe (EST3 116DEXSTC-FJ) .....	1,101.82	27.57
28 46 21 33-0253	EA		Wall Bracket Mounting Elbow (EST3 116EX-B) .....	206.15	9.19
28 46 21 33-0254	EA		Ceiling / Wall Mounting Module (EST3 116EX-C) .....	269.57	11.03
28 46 21 33-0255	EA		Pendant Mounting Module (EST3 116EX-P) .....	198.19	11.03
<b>28 46 21 33-0256</b>			<b>Hazardous Location Bells</b> (28 46 21 33-0238)		
28 46 21 33-0257	EA		6" Hazardous Location Bells, 24 VDC (EST3 439DEX-6AW) .....	796.06	27.57
28 46 21 33-0258	EA		8" Hazardous Location Bells, 24 VDC (EST3 439DEX-8AW) .....	816.59	27.57
28 46 21 33-0259	EA		10" Hazardous Location Bells, 24 VDC (EST3 439DEX-10AW) .....	823.99	27.57
<b>28 46 21 33-0260</b>			<b>Hazardous Location Horns</b> (28 46 21 33-0238)		
28 46 21 33-0261	EA		Hazardous Location Horns (EST3 888D-N5) .....	778.36	27.57
28 46 21 33-0262	EA		Explosion Proof Horn, Diode Polarized, 24 VDC (EST3 889D-AW) .....	636.27	27.57
<b>28 46 21 33-0263</b>			<b>Door Holders And Relays</b> (28 46 21 33-0002)		
<b>28 46 21 33-0264</b>			<b>Electromagnetic Door Holders</b> (28 46 21 33-0263)		
28 46 21 33-0265	EA		Door Holder, Single, Floor Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1501-AQN5) .....	142.03	27.57
28 46 21 33-0266	EA		Door Holder, Double, Floor Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1502-AQN5) .....	183.24	27.57
28 46 21 33-0267	EA		Door Holder, Flush, Wall Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1504-AQN5) .....	120.99	27.57
28 46 21 33-0268	EA		Door Holder, Flush, Wall Mount, Short Catch Plate - 24 VAC / 24 VDC / 120 VAC (EST3 1505-AQN5) .....	120.99	27.57
28 46 21 33-0269	EA		Door Holder, Surface, Wall Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1508-AQN5) .....	122.89	27.57
28 46 21 33-0270	EA		Door Holder, Completely Flush, Wall Mount - 24 VAC / 24 VDC / 120 VAC (EST3 1509-AQN5) .....	124.70	27.57
<b>28 46 21 33-0271</b>			<b>Control Relays, Multi-Voltage</b> (28 46 21 33-0263)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0272 EA Single SPDT With LED, Adhesive Tape Mounting (EST3 PAM1).....	28.71	5.51
<b>28 46 21 33-0273 FireShield Plus</b> <small>(28 46 21 33-0002)</small>		
<b>28 46 21 33-0274 3 Zone System</b> <small>(28 46 21 33-0273)</small>		
28 46 21 33-0275 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302R).....	777.73	220.55
28 46 21 33-0276 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302RD).....	1,130.02	294.06
28 46 21 33-0277 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302G).....	777.73	220.55
28 46 21 33-0278 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302GD).....	1,130.02	294.06
28 46 21 33-0279 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G).....	53.89	9.19
28 46 21 33-0280 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R).....	53.89	9.19
<b>28 46 21 33-0281 5 Zone System</b> <small>(28 46 21 33-0273)</small>		
28 46 21 33-0282 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502R).....	835.20	220.55
28 46 21 33-0283 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502RD).....	1,184.21	294.06
28 46 21 33-0284 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502G).....	835.20	220.55
28 46 21 33-0285 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502GD).....	1,184.21	294.06
28 46 21 33-0286 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G).....	53.89	9.19
28 46 21 33-0287 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R).....	53.89	9.19
<b>28 46 21 33-0288 10 Zone System</b> <small>(28 46 21 33-0273)</small>		
28 46 21 33-0289 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004R).....	1,203.92	294.06
28 46 21 33-0290 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 VAC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004RD).....	1,556.21	367.57
28 46 21 33-0291 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004G).....	1,179.28	294.06
28 46 21 33-0292 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 VAC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004GD).....	1,556.21	367.57
28 46 21 33-0293 EA Semi Flush Trim Kit For 10 Zone Enclosures, Gray (EST3 F-TRIM10G).....	62.78	9.19
28 46 21 33-0294 EA NAC Power Expansion Transformer, 120 VAC, Increases 10 Zone FACP NAC (EST3 F-XTR120).....	114.95	18.38
<b>28 46 21 33-0295 FireShield Plus Off Premise Communication Options</b> <small>(28 46 21 33-0273)</small>		
28 46 21 33-0296 EA F-Series Upload/Download DACT And Modem, Dual Line, With 2x16 LCD (EST3 F-DACT).....	250.24	18.38
<b>28 46 21 33-0297 FireShield Plus Remote LED Annunciators</b> <small>(28 46 21 33-0273)</small>		
28 46 21 33-0298 EA Remote System Indicator, Power, Alarm, Supervisory, Trouble And Ground Fault LED's With Local Buzzer, Single Gang, And White Trim Plate (EST3 FSRSI).....	108.41	27.57
28 46 21 33-0299 EA Remote Zone Indicator, Contains 5 Red LED's For Alarm Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-A).....	108.41	27.57
28 46 21 33-0300 EA Remote Zone Indicator, Contains 5 Bi-Color LED's (Red/Yellow) For Alarm Or Supervisory Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-SA).....	112.60	27.57
28 46 21 33-0301 EA Remote Annunciator Trim Plate - 2 Gang - White (EST3 FSAT2).....	21.71	5.51
28 46 21 33-0302 EA Remote Annunciator Trim Plate - 3 Gang - White (EST3 FSAT3).....	27.07	5.51
28 46 21 33-0303 EA Remote Annunciator Trim Plate - 4 Gang - White (EST3 FSAT4).....	39.94	5.51
<b>28 46 21 33-0304 FireShield Plus Remote 10 Zone LED Annunciators</b> <small>(28 46 21 33-0273)</small>		
28 46 21 33-0305 EA Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10).....	334.29	27.57
28 46 21 33-0306 EA Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators And Common Control Switches, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10C).....	367.13	27.57
28 46 21 33-0307 EA Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Gray (EST3 RA-ENC1).....	118.87	18.38
<b>28 46 21 33-0308 FireShield Plus Remote Relays And Interfaces</b> <small>(28 46 21 33-0273)</small>		
28 46 21 33-0309 EA Remote Relay Module, 5 Form C Contacts, Jumper Selectable Operation, With Mounting Track (EST3 FSRRM24).....	125.57	18.38
28 46 21 33-0310 EA 11" Snap Track Holds 2-4 RRM's, Used To Mount FSRRM's In MFC-A Or Other Listed Enclosure, MFC-A Will Hold Two FSRRM-11S (EST3 FSRRM-S11).....	52.31	11.03
28 46 21 33-0311 EA Common Function Graphic Driver/Interface - 9 Relays And 5 Switch Inputs For Common System Indicators And Controls (EST3 FSUIM).....	199.33	18.38



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MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
28 46 21 33-0312		<b>FireShield Plus Accessories</b> (28 46 21 33-0273)			
28 46 21 33-0313	EA	Resistor Kit With 1-3.6K And 1-1.1K (46071-0409) (EST3 EOL3.6-1.1) .....	11.79		
28 46 21 33-0314	EA	4.7k UL End Of Line Resistor With FireShield Panels (EST3 EOL47PK7) .....	7.29		
28 46 21 33-0315		<b>iO Series Fire Control Panels</b> (28 46 21 33-0002)			
28 46 21 33-0316		<b>Intelligent Analog Control Panels</b> (28 46 21 33-0315)			
28 46 21 33-0317	EA	FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amp Power Supply, Gray Door, 115 VAC, Capacity For Up (2) 18a/h Batteries, English (EST3 iO500G) .....	2,337.33	367.57	
28 46 21 33-0318	EA	FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amp Power Supply, Gray Door, 115 VAC, Capacity For Up (2) 18 a/h Batteries, With Dual Line Dialer/Modem, English (EST3 iO500GD) .....	2,496.62	367.57	
28 46 21 33-0319	EA	FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amp Power Supply, Gray Door, 115 VAC, Capacity For Up (2) 10 a/h Batteries, English (EST3 iO64G) .....	1,865.93	294.06	
28 46 21 33-0320	EA	FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amp Power Supply, Gray Door, 115 VAC, Capacity For Up (2) 10a/h Batteries, With Dual Line Dialer/Modem, English (EST3 iO64GD) .....	1,939.83	294.06	
28 46 21 33-0321		<b>Option Modules And Accessories For iO Series</b> (28 46 21 33-0315)			
28 46 21 33-0322	EA	16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Left Side Mounting, Zones 1-16 (EST3 D16L-iO-1) .....	219.34	27.57	
28 46 21 33-0323	EA	16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Right Side Mounting, Zones 17-32, Requires D16L-iO-1 (EST3 D16L-iO-2) .....	137.24	27.57	
28 46 21 33-0324	EA	Serial Interface, RS232, 4 Terminal Connections For Supervised/Unsupervised Printers And Connection To PC's (EST3 SA-232) .....	137.24	27.57	
28 46 21 33-0325	EA	Class A NAC Module, For 64 Point Systems Only, Mounts To Main Board (EST3 SA-CLA) .....	118.87	18.38	
28 46 21 33-0326	EA	Dialer/Modem, Two Telephone Line Connections, RJ31, Mounts To Base Plate (EST3 SA-DACT) .....	242.89	14.70	
28 46 21 33-0327	EA	Ethernet Port Interface, RJ45, Mounts To Base Plate (EST3 SA-ETH) .....	439.94	14.70	
28 46 21 33-0328	EA	Trim Kit For Semi-Flush Mounting 64 Point Systems (EST3 SA-TRIM1) .....	52.86	9.19	
28 46 21 33-0329	EA	Trim Kit For Semi-Flush Mounting 500 Point Systems (EST3 SA-TRIM2) .....	61.08	9.19	
28 46 21 33-0330	EA	Expansion Loop For iO500 Systems, 125 Detectors/125 Modules, Mounts On Main Board (EST3 XAL250) .....	812.47	36.76	
28 46 21 33-0331		<b>Remote Annunciators For iO Series</b> (28 46 21 33-0315)			
28 46 21 33-0332	EA	Remote Annunciator, 80 Character LCD, Common System Indicators, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD) .....	445.13	27.57	
28 46 21 33-0333	EA	Remote Annunciator, 80 Character LCD, Common System Indicators And Controls, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD-C) .....	465.66	27.57	
28 46 21 33-0334		<b>Remote Annunciator Accessories</b> (28 46 21 33-0315)			
28 46 21 33-0335	EA	24 Expander Cable Assembly, With Cable And Hardware (EST3 730073) .....	51.22	9.19	
28 46 21 33-0336	EA	12 Expander Cable (Cable Only) (EST3 7120313-01) .....	34.80	9.19	
28 46 21 33-0337	EA	24 Expander Cable (Cable Only) (EST3 7120313-02) .....	47.11	9.19	
28 46 21 33-0338	EA	Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC1) .....	137.24	27.57	
28 46 21 33-0339	EA	Dual Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC2) .....	157.76	27.57	
28 46 21 33-0340	EA	Three Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC3) .....	178.29	27.57	
28 46 21 33-0341	EA	Blank Zone Card Insert For RLEDx Controllers (EST3 RA-LED16ZC) .....	34.80	9.19	
28 46 21 33-0342	EA	Blank Zone Card Insert For RLED24x Controllers (EST3 RA-LED24ZC) .....	34.80	9.19	
28 46 21 33-0343	EA	Remote Key Switch, Single Gang Mount, Provides Keyed Control To Enable/Disable Common Control Switches On Remote Annunciators (EST3 RKEY) .....	70.68	9.19	
28 46 21 33-0344		<b>System Accessories</b> (28 46 21 33-0315)			
28 46 21 33-0345	EA	Battery Cabinet, 14" x 18.25" x 7.25" Free Standing Cabinet With Key Lock, Supports Up To 40 Amp Hours Batteries, Will Hold Up To Two 12 VDC, 24 Amp Batteries (EST3 BC-1) .....	251.02	36.76	
28 46 21 33-0346	EA	Isolator Module - RS232, For Use With Short Haul Modems, VDU-3, CCA Series, CGP Series And FCOM-232, Requires 1/2 Size Cabinet Footprint (EST3 IOP3A) .....	1,148.41	294.06	
28 46 21 33-0347		<b>Conventional Initiating Devices</b> (28 46 21 33-0002)			
28 46 21 33-0348		<b>Detectors, Heat, Double Pole</b> (28 46 21 33-0347)			
Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.					
28 46 21 33-0349	EA	Heat Detector, 135 Degree F Fixed Temperature (CF135-2) .....	99.38	27.57	
28 46 21 33-0350	EA	Heat Detector, 200 Degree F Fixed Temperature (CF200-2) .....	99.38	27.57	
28 46 21 33-0351	EA	Heat Detector, 135 Degree F ROR/Fixed Temperature (CR135-2) .....	99.38	27.57	
28 46 21 33-0352	EA	Heat Detector, 200 Degree F ROR/Fixed Temperature (CR200-2) .....	99.38	27.57	
28 46 21 33-0353		<b>Detectors, Rate Compensation Heat, Accessories</b> (28 46 21 33-0347)			
28 46 21 33-0354	EA	Heat Detector, Rate Compensation, Adapter Plate For Mounting 302 And 302-AW To Any 3 Outlet Box Or 4" Octagon Outlet Box (GE AP-P) .....	61.33	27.57	
28 46 21 33-0355	EA	Explosion Proof Outlet Body With Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE JALX11) .....	163.63	14.70	
28 46 21 33-0356	EA	4" Weatherproof, Octagon Backbox And Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE STONCO27) .....	52.76	18.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>28 46 21 33-0357</b> <b>Detectors, Heat, Fire-Lite</b> <small>(28 46 21 33-0347)</small>		
Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 21 33-0358     EA     Explosion Heat Detector, 135 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-135) .....	93.10	27.57
28 46 21 33-0359     EA     Explosion Heat Detector, 194 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-194) .....	93.10	27.57
<b>28 46 21 33-0360</b> <b>Audio Notification Systems (Standalone Voice Evacuation)</b> <small>(28 46 21 33-0002)</small>		
<b>28 46 21 33-0361</b> <b>Audio Notification Panels</b> <small>(28 46 21 33-0360)</small>		
28 46 21 33-0362     EA     Audio Notification Panel, 100W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS100MDG) .....	3,173.71	367.57
28 46 21 33-0363     EA     Audio Notification Panel, 100W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS100MDR) .....	3,173.71	367.57
28 46 21 33-0364     EA     Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS25MDG) .....	2,377.27	367.57
28 46 21 33-0365     EA     Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS25MDR) .....	2,377.27	367.57
28 46 21 33-0366     EA     Audio Notification Panel, 50W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS50MDG) .....	2,771.39	367.57
28 46 21 33-0367     EA     Audio Notification Panel, 50W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS50MDR) .....	2,771.39	367.57
<b>28 46 21 33-0368</b> <b>Audio Notification Expander Panels</b> <small>(28 46 21 33-0360)</small>		
28 46 21 33-0369     EA     Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS100XG) .....	2,442.96	367.57
28 46 21 33-0370     EA     Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS100XR) .....	2,442.96	367.57
28 46 21 33-0371     EA     Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS25XG) .....	1,671.16	367.57
28 46 21 33-0372     EA     Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS25XR) .....	1,671.16	367.57
28 46 21 33-0373     EA     Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS50XG) .....	2,122.75	367.57
28 46 21 33-0374     EA     Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS50XR) .....	2,122.75	367.57
<b>28 46 21 33-0375</b> <b>Audio Notification Output Accessories</b> <small>(28 46 21 33-0360)</small>		
28 46 21 33-0376     EA     Zone Adapter, 1 Circuit To 2 Circuit's (GE ANSZC2B) .....	92.28	9.19
28 46 21 33-0377     EA     Zone Splitter, 2 Class A Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS2A) .....	406.24	18.38
28 46 21 33-0378     EA     Zone Splitter, 4 Class B Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS4B) .....	406.24	18.38
28 46 21 33-0379     EA     Class A Converter (GE ANSZSC4A) .....	291.29	18.38
<b>28 46 21 33-0380</b> <b>Audio Notification Remote Microphone</b> <small>(28 46 21 33-0360)</small>		
28 46 21 33-0381     EA     Microphone (GE ANSMIKE) .....	110.66	18.38
28 46 21 33-0382     EA     Remote Microphone, Supervised In Surface/Semi-Flush Gray Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMG) .....	447.29	18.38
28 46 21 33-0383     EA     Remote Microphone, Supervised In Surface/Semi-Flush Red Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMR) .....	447.29	18.38
28 46 21 33-0384     EA     Remote Microphone Supervisory Card, One Per System, Supervises Up To 5 Remote Microphones (GE ANSREMSUP) .....	100.49	9.19
28 46 21 33-0385     EA     Relay Card For Supervision/Zone Splitter To Remote Microphone (GE ANSZSR) .....	55.32	9.19
<b>28 46 21 33-0386</b> <b>Audio Notification Accessories</b> <small>(28 46 21 33-0360)</small>		
28 46 21 33-0387     EA     Audio Matching - Line Input/Output Card (GE ANSAUX) .....	184.55	18.38
28 46 21 33-0388     EA     Class B Backup Amplifier Switching Module (GE ANSBKUP) .....	184.55	18.38
28 46 21 33-0389     EA     Class A Backup Amplifier Switching Module (GE ANSBKUPA) .....	184.55	18.38
28 46 21 33-0390     EA     Eight Input Remote Serial Interface Module, Accepts Dry Contact Interface To Control Up To 8 Messages, Message Recording Included With Module, For Industrial Signaling Only, Not UL Listed For Fire Alarm / Life Safety Applications (GE ANRSR18) .....	406.24	18.38
<b>28 46 21 33-0391</b> <b>Audio Notification Modules, Without Cabinet And Transformer</b> <small>(28 46 21 33-0360)</small>		
28 46 21 33-0392     EA     100W Expander Module (No Microphone OR DMR), Requires Transformer Ordered Separately (GE ANS100A) .....	1,477.53	36.76
Note: Excludes cabinet.		
28 46 21 33-0393     EA     100W Expander Module With Microphone (No DMR), Requires Transformer Ordered Separately (GE ANS100AM) .....	1,551.42	36.76
Note: Excludes cabinet.		
28 46 21 33-0394     EA     100W Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS100AMD) .....	2,142.59	36.76
Note: Excludes cabinet.		
28 46 21 33-0395     EA     25 Watt Expander Module (No Microphone Or DMR), Requires Transformer Ordered Separately (GE ANS25A) .....	812.47	36.76
Note: Excludes cabinet.		
28 46 21 33-0396     EA     25 Watt Expander Module With Microphone (No DMR), Requires Transformer (GE ANS25AM) .....	812.47	36.76
Note: Excludes cabinet.		

**28 Electronic Safety And Security****28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0397	EA		25 Watt Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS25AMD).....	1,477.53	36.76
28 46 21 33-0398	EA		50W Expander Module (No Microphone Or DMR) (GE ANS50A) ..... Note: Excludes cabinet.	1,181.94	36.76
28 46 21 33-0399	EA		50W Expander Module With Microphone (No DMR) (GE ANS50AM) ..... Note: Excludes cabinet.	1,255.84	36.76
28 46 21 33-0400	EA		50W Audio Notification Module With DMR And Microphone (GE ANS50AMD)..... Note: Excludes cabinet.	1,847.01	36.76
28 46 21 33-0401	EA		Power Transformer, Open Frame, 28 VAC @ 180 VA (EVAX 50/100) (GE ANST28180).....	92.28	9.19
28 46 21 33-0402	EA		Power Transformer, Open Frame, 28 VAC @ 100 VA (EVAX 25) (GE ANST2885).....	68.50	9.19
<b>28 46 21 33-0403</b>			<b>Simplex Fire Alarm</b> (28 46 21 33)		
<b>28 46 21 33-0404</b>			<b>4100 Fire Alarm Control Panel</b> (28 46 21 33-0403)		
28 46 21 33-0405	EA		4100U Master Controller Assembly With LCD And Operator Interface, 9 Amp System Power Supply/Battery Charger (SPS), 250 Point IDNet Interface, 3 NACS, Auxiliary Relay And External RUI Communications Interface, 120 VAC Input (Simplex 4100-9111) .....	3,957.52	366.89
28 46 21 33-0406	EA		4100ES NDU With Master Controller, LCD And Operator Interface, Network Interface Module (Select Media Card Separately), 9 Amp System Power Supply/Battery Charger, And External RUI Communications Interface (Power Supply/Battery Charger Is An SPS With Its IDNet Channel And NACs Disabled), 120 VAC Input (Simplex 4100-9141) .....	4,314.20	366.89
28 46 21 33-0407	EA		4100ES NDU With VCC Includes The First Bay Equipment Described For The NDU And A Second Bay Assembly With Separate Master Controller For Voice Functions, Network Interface (Select Media Card Separately), And A Standard SPS With 250 Point IDNet Channel; And 3, 3 A Class A/B NACs Capable Of SmartSync Two-Wire Operation, 120 V Input (Simplex 4100-9142) .....	6,182.34	366.89
28 46 21 33-0408	EA		IDNet Module, Up To 127 Points (Simplex 4100-3104)..... Note: Add-on module.	2,555.82	366.89
28 46 21 33-0409	EA		IDNet Module, Up To 64 Points (Simplex 4100-3105)..... Note: Add-on module.	2,011.86	366.89
28 46 21 33-0410	EA		Expansion Power Supply, 3 NACs, 120 VAC (Simplex 4100-5101) .....	1,250.92	91.72
28 46 21 33-0411	EA		Alarm Relay, 3 Form C Relays, 2 Amp @ 32 VDC, For SPS Or RPS (Simplex 4100-6033)..... Note: Add-on module.	261.62	18.35
28 46 21 33-0412	EA		Dual Port RS-232 Interface Card (Simplex 4100-6038)..... Note: Add-on module.	748.35	18.35
<b>28 46 21 33-0413</b>			<b>4100U Backbox</b> (28 46 21 33-0403)		
28 46 21 33-0414	EA		2 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9425)..... Note: 24" x 40" beige backbox.	1,300.87	73.38
28 46 21 33-0415	EA		3 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9443)..... Note: 24" x 56" beige backbox.	1,830.08	73.38
<b>28 46 21 33-0416</b>			<b>DACT (Digital Alarm Communicator Transmitter)</b> (28 46 21 33-0403)		
28 46 21 33-0417	EA		6 Zone Fire Control Communicator (Silent Knight SK-5104) .....	712.03	36.69
<b>28 46 21 33-0418</b>			<b>4010 Fire Alarm Control Panel</b> (28 46 21 33-0403)		
28 46 21 33-0419	EA		120 VAC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, External N2 Communications Interface, And Internal Common Event Reporting DACT (Simplex 4010-9101) .....	3,738.90	366.89
28 46 21 33-0420	EA		240 VAC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, And External N2 Communications Interface (Simplex 4010-9201).....	3,630.34	366.89
28 46 21 33-0421	EA		Dual Circuit Class A NAC Adapter Module (Simplex 4010-9806).....	135.18	18.35
28 46 21 33-0422	EA		Dual RS-232 Interface Module Expansion Slot Option (Simplex 4010-9811) .....	583.18	18.35
28 46 21 33-0423	EA		Single RS-232 Interface Module With Service Modem Connection Expansion Slot Option (Simplex 4010-9812).....	801.39	18.35
28 46 21 33-0424	EA		120 VAC, 4 Amp Expansion Power Supply Expansion Module (Simplex 4010-9813).....	412.29	18.35
28 46 21 33-0425	EA		240 VAC, 4 Amp Expansion Power Supply Expansion Module (Simplex 4010-9823).....	446.07	18.35
28 46 21 33-0426	EA		Battery Meter Module Expansion Module (Simplex 4010-9820).....	168.00	18.35
<b>28 46 21 33-0427</b>			<b>Printer</b> (28 46 21 33-0403)		
28 46 21 33-0428	EA		24 Pin Dot Matrix Printer (Simplex 4190-9013).....	1,290.06	18.35
<b>28 46 21 33-0429</b>			<b>NAC Panel / Power Booster</b> (28 46 21 33-0403)		
28 46 21 33-0430	EA		IDNet NAC Extender With 4, Class B (Style Y) NACs and 8 Amp Power Supply, 120 VAC (Simplex 4009-9201)..... Note: Power supply for horns and strobes.	838.81	91.72
<b>28 46 21 33-0431</b>			<b>Battery</b> (28 46 21 33-0403)		
28 46 21 33-0432	EA		50 Amp Hours Sealed Lead Acid Battery (Simplex 2081-9296)..... Note: Two required for 24 volt DC.	522.31	18.35
28 46 21 33-0433	EA		33 Amp Hours Sealed Lead Acid Battery (Simplex 2081-9276)..... Note: Two required for 24 volt DC.	347.31	18.35
28 46 21 33-0434	EA		6.2 Amp Hours Sealed Lead Acid Battery (Simplex 2081-9272) .....	125.65	18.35
			Note: Two required for 24 volt DC.		
<b>28 46 21 33-0435</b>			<b>Interface Modules</b> (28 46 21 33-0403)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0436 EA Supervised Individual Addressable Modules (Simplex 4090-9001) ..... Note: Monitor modules for waterflow/tamper, etc.	101.60	18.35
28 46 21 33-0437 EA Relay Individual Addressable Modules (Simplex 4090-9002) ..... Note: Control modules for gas shutdown, door holders, etc.	209.62	18.35
28 46 21 33-0438 EA Relay SPDT With LED MR-801/T (Simplex 2088-9032) ..... Note: Interface relay for 120VAC	50.71	18.35
28 46 21 33-0439 EA SmartSync™ Adapter Module For Non-Addressable Notification Appliance Circuits (NACs) (Simplex 4905-9815) .....	102.79	18.35
28 46 21 33-0440 EA Surface Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9817).....	45.79	9.17
28 46 21 33-0441 EA Flush Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9818) .....	43.51	9.17
<b>28 46 21 33-0442 Pull Stations</b> <small>(28 46 21 33-0403)</small>		
28 46 21 33-0443 EA Addressable Single Action Manual Pull Station (Simplex 4099-9001) .....	124.77	18.35
28 46 21 33-0444 EA N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9101) .....	89.30	18.35
28 46 21 33-0445 EA N.C. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9102) .....	96.15	18.35
28 46 21 33-0446 EA Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9103) .....	86.21	18.35
28 46 21 33-0447 EA N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9104) .....	100.74	18.35
28 46 21 33-0448 EA N.C. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9105) .....	152.92	18.35
28 46 21 33-0449 EA Pre-Signal, N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9107) .....	128.18	18.35
28 46 21 33-0450 EA Pre-Signal, N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9108) .....	151.05	18.35
28 46 21 33-0451 EA Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9754) .....	70.24	18.35
28 46 21 33-0452 EA Local Alarm Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9755) .....	74.42	18.35
28 46 21 33-0453 EA Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9756) .....	87.90	18.35
28 46 21 33-0454 EA N.C. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9758) .....	136.89	18.35
28 46 21 33-0455 EA Pre-Signal, N.O. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9759) .....	237.09	18.35
28 46 21 33-0456 EA Institutional Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9762).....	77.86	18.35
28 46 21 33-0457 EA Surface Mount Steel Box For Manual Pull Station (Simplex 2975-9178) .....	48.09	9.17
<b>28 46 21 33-0458 Weatherproof Pull Stations</b> <small>(28 46 21 33-0403)</small>		
28 46 21 33-0459 EA Weather Proof Single Action Pull Station, Cast Metal, B Lock, SPST (Simplex 2099-9138) .....	121.81	22.02
28 46 21 33-0460 EA Surface Mount Cast Aluminum Box For Exterior Pull Station (Simplex 2975-9211) .....	78.47	9.17
<b>28 46 21 33-0461 Heat / Smoke Sensor</b> <small>(28 46 21 33-0403)</small>		
28 46 21 33-0462 EA 32 To 122 Degree F Heat Sensor (Simplex 4098-9733).....	122.41	27.52
28 46 21 33-0463 EA Photoelectric Smoke Sensor (Simplex 4098-9714) .....	178.55	27.52
28 46 21 33-0464 EA Sensor Base With Relay Driver (Simplex 4098-9791) .....	348.81	9.17
28 46 21 33-0465 EA Standard Sensor Base (Simplex 4098-9792).....	177.18	9.17
28 46 21 33-0466 EA Remote Supervised Relay Accessory For Sensor Base With Relay Driver (Simplex 2098-9737) .....	102.02	18.35
Note: Relay for 4098-9791		
<b>28 46 21 33-0467 Explosion Proof Heat Detector</b> <small>(28 46 21 33-0403)</small>		
28 46 21 33-0468 EA 135 Degree F Explosion Proof Heat Detector (Simplex 2098-9488).....	129.59	27.52
28 46 21 33-0469 EA Explosion Proof Backbox (Killark JLX-21) .....	84.69	9.17
28 46 21 33-0470 EA Explosion Proof Backbox Plugs (Killark CUP-2) .....	7.72	1.83
<b>28 46 21 33-0471 Weatherproof Heat Detector</b> <small>(28 46 21 33-0403)</small>		
28 46 21 33-0472 EA 194 Degree F Fixed Hardwired Weatherproof Heat Detector (Simplex 2098-9490).....	93.51	27.52
<b>28 46 21 33-0473 200 Degree F Heat Detector</b> <small>(28 46 21 33-0403)</small>		
28 46 21 33-0474 EA 194 Degree F Heat Detector, ROR/Fixed Temperature (Simplex 5604)..... Note: Used in kiln rooms and kitchens.	77.38	27.52
<b>28 46 21 33-0475 Duct Smoke Sensor</b> <small>(28 46 21 33-0403)</small>		
28 46 21 33-0476 EA Duct Sensor Housing (Simplex 4098-9755).....	281.90	14.68
28 46 21 33-0477 EA Duct Sensor Housing With Supervised Output For Multiple Remote Relays, 4-Wire (Simplex 4098-9756) .....	379.94	33.02
Note: Relay output for AHU shutdown.		
28 46 21 33-0478 EA 46" To 71" Duct Sampling Tube (Simplex 2098-9798) .....	42.21	9.17
Note: 25", 49", 73" or 97" sampling tube length.		
28 46 21 33-0479 EA Remote Duct Test Station With Key Switch And Red LED Status Indicator (Simplex 2098-9806) .....	100.32	27.52
<b>28 46 21 33-0480 Interior Horn</b> <small>(28 46 21 33-0403)</small>		
28 46 21 33-0481 EA Red With White "FIRE" Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9850).....	92.81	27.52
28 46 21 33-0482 EA White With Red "FIRE" Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9853).....	92.81	27.52
<b>28 46 21 33-0483 Interior Horn Strobe</b> <small>(28 46 21 33-0403)</small>		
28 46 21 33-0484 EA Wall Mounted Horn Strobe, 75Cd, Red (Simplex 4903-9426) .....	128.49	27.52
28 46 21 33-0485 EA Wall Mounted Horn Strobe, 110Cd, Red (Simplex 4903-9427) .....	128.49	27.52

**28 Electronic Safety And Security****28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0486 EA Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9127).....	120.35	27.52
28 46 21 33-0487 EA Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9128).....	120.35	27.52
28 46 21 33-0488 EA Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9129).....	120.35	27.52
28 46 21 33-0489 EA Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9130).....	120.35	27.52
28 46 21 33-0490 EA Weatherproof, Red Housing, White Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9131).....	123.08	27.52
28 46 21 33-0491 EA Weatherproof, White Housing, Red Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9132).....	123.08	27.52
28 46 21 33-0492 EA Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9139).....	127.88	27.52
28 46 21 33-0493 EA Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9140).....	125.66	27.52
28 46 21 33-0494 EA Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9141).....	127.88	27.52
28 46 21 33-0495 EA Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9142).....	125.66	27.52
28 46 21 33-0496 EA Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9227).....	120.35	27.52
28 46 21 33-0497 EA Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9228).....	120.35	27.52
28 46 21 33-0498 EA Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9229).....	120.35	27.52
28 46 21 33-0499 EA Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9230).....	120.35	27.52
<b>28 46 21 33-0500 Interior Strobes (28 46 21 33-0403)</b>		
28 46 21 33-0501 EA Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9101).....	103.06	27.52
28 46 21 33-0502 EA Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9102).....	103.06	27.52
28 46 21 33-0503 EA Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9103).....	103.02	27.52
28 46 21 33-0504 EA Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9104).....	103.06	27.52
28 46 21 33-0505 EA Weatherproof, Red Housing, White Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9105).....	113.40	27.52
28 46 21 33-0506 EA Weatherproof, White Housing, Red Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9106).....	113.40	27.52
28 46 21 33-0507 EA Wall Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9109).....	114.06	27.52
28 46 21 33-0508 EA Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9110).....	115.86	27.52
28 46 21 33-0509 EA Wall Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9111).....	115.86	27.52
28 46 21 33-0510 EA Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9112).....	115.86	27.52
28 46 21 33-0511 EA Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9201).....	103.06	27.52
28 46 21 33-0512 EA Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9202).....	103.06	27.52
28 46 21 33-0513 EA Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9203).....	103.06	27.52
28 46 21 33-0514 EA Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9204).....	103.06	27.52
<b>28 46 21 33-0515 Interior Speakers (28 46 21 33-0403)</b>		
28 46 21 33-0516 EA Red With White "FIRE" Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9716).....	84.06	27.52
28 46 21 33-0517 EA White With Red "FIRE" Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9717).....	84.06	27.52
28 46 21 33-0518 EA Ceiling Or Wall Mount, Round Housing Speaker (Simplex 4902-9721).....	84.06	27.52
<b>28 46 21 33-0519 Interior Speaker Strobe (28 46 21 33-0403)</b>		
28 46 21 33-0520 EA Red Housing, White Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9151).....	136.55	27.52
28 46 21 33-0521 EA White Housing, Red Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9153).....	136.55	27.52
<b>28 46 21 33-0522 Surge Suppressors (28 46 21 33-0403)</b>		
28 46 21 33-0523 EA Overvoltage Suppressor (Simplex 2081-9044).....	88.01	5.50
28 46 21 33-0524 EA Isolated Loop Circuit Protector (Simplex 2081-9028).....	56.32	5.50
28 46 21 33-0525 EA 120 VAC, 20 Amp Multi Stage Hybrid Surge Protector With EMI/RFI Filtering (Ditek 120S20A).....	188.36	5.50
28 46 21 33-0526 EA 24 VAC Data And Loop Circuit Surge Protector (Ditek DTK-2MHLP24B).....	64.49	5.50
28 46 21 33-0527 EA Mounting Base For Two DTK-2MHLP (Ditek DTK-2MB).....	97.17	9.17
28 46 21 33-0528 EA 120 VAC, 22,500 Amp, Equipment Panel/Dedicated Circuit Surge Protector (Ditek DTK-120HW).....	66.10	5.50
28 46 21 33-0529 EA <105 VAC, 9,000 Amp, RJ31 Connection, Alarm Dialer Surge Protection (Ditek DTK-MRJ31SCWP).....	49.77	5.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>28 46 21 33-0530</b> <b>Boxes And Adapters</b> <small>(28 46 21 33-0403)</small>		
28 46 21 33-0531 EA Semi-Flush Mount Modular Adapter Using Standard 4" Square Electrical Box (Simplex 4905-9921).....	43.51	9.17
28 46 21 33-0532 EA Surface Mount Modular Adapter Using Simplex Box (Simplex 4905-9925).....	41.22	9.17
28 46 21 33-0533 EA Red, Surface Mount Adapter Skirt (Simplex 4905-9937).....	36.74	9.17
28 46 21 33-0534 EA White, Surface Mount Adapter Skirt (Simplex 4905-9940).....	30.37	9.17
<b>28 46 21 33-0535</b> <b>Accessories</b> <small>(28 46 21 33-0403)</small>		
28 46 21 33-0536 EA End-Of-Line Resistor Harness, 10 k Ohms, 1/2 Watt, Two Required, One Each For Audible And Visible Output (Simplex 4081-9008).....	21.01	9.17
<b>28 46 21 33-0537</b> <b>Siemens Fire Alarm</b> <small>(28 46 21 33)</small>		
<b>28 46 21 33-0538</b> <b>Conventional Control Panels</b> <small>(28 46 21 33-0537)</small>		
<b>28 46 21 33-0539</b> <b>SXL Batteries And Power Supplies</b> <small>(28 46 21 33-0538)</small>		
28 46 21 33-0540 EA 6 Amp Notification Appliance Circuit Expander With Built-In Auxiliary Power Output (Siemens PAD-3).....	743.37	36.69
28 46 21 33-0541 EA Main Board Only For PAD-3 (Siemens PAD-3-MB).....	598.86	36.69
<b>28 46 21 33-0542</b> <b>Digital Fire Communicators</b> <small>(28 46 21 33-0538)</small>		
28 46 21 33-0543 EA Four Channel Digital Slave Fire Communicator (Siemens 5129).....	579.81	36.69
<b>28 46 21 33-0544</b> <b>Addressable Control Panels</b> <small>(28 46 21 33-0537)</small>		
<b>28 46 21 33-0545</b> <b>Fireseeker Equipment</b> <small>(28 46 21 33-0544)</small>		
<b>28 46 21 33-0546</b> <b>FS-250 System Panels</b> <small>(28 46 21 33-0545)</small>		
28 46 21 33-0547 EA FS-250 Electronics Package Including One FS-250-CON And Two FS-NPE, Excludes Enclosure (Siemens FS- 250-EKIT).....	1,795.24	366.89
Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer.		
28 46 21 33-0548 EA FS-250 Electronics Package Including One FS-250-CON, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-REL-EKIT).....	2,236.64	366.89
Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS- RPT is a releasing power transformer. FS-REL is a Releasing Module.		
28 46 21 33-0549 EA FS-250-SRX Releasing Electronics Package Including One FS-250-CON2-SRX, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-SRX-EKIT).....	1,335.83	293.51
Note: FS-250-CON2-SRX is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.		
28 46 21 33-0550 EA Electronics Package For Releasing Water Or Agent (Siemens FS-250-CON).....	1,797.87	366.89
<b>28 46 21 33-0551</b> <b>FS-250 Optional Modules</b> <small>(28 46 21 33-0545)</small>		
28 46 21 33-0552 EA Main Board Module (Siemens FS-MB2).....	748.62	36.69
28 46 21 33-0553 EA Display Board Module (Siemens FS-DB2).....	583.19	18.35
28 46 21 33-0554 EA Device Loop Card (Siemens FS-DLC).....	478.09	18.35
28 46 21 33-0555 EA Releasing Module (Siemens FS-REL).....	212.73	18.35
28 46 21 33-0556 EA Remote LCD Annunciator (Siemens FS-RD2).....	474.81	18.35
28 46 21 33-0557 EA Relay Processor Card (Siemens FS-RU2).....	412.41	18.35
28 46 21 33-0558 EA Relay Expander Board (Siemens FS-RE8).....	351.98	18.35
28 46 21 33-0559 EA Serial Annunciator Processor Card (Siemens FS-SAU2).....	474.81	18.35
28 46 21 33-0560 EA 16 Output Annunciator Extender (Siemens FS-SAE16).....	370.37	18.35
28 46 21 33-0561 EA Digital Alarm Communication Transmitter (Siemens FS-DACT).....	336.87	18.35
28 46 21 33-0562 EA Municipal Tie Module (Siemens FS-MT).....	286.29	18.35
28 46 21 33-0563 EA Configuration Tool Including Laptop To FS-250 Cable And Software (Siemens FS-CT2).....	261.90	
28 46 21 33-0564 EA Programming Cable Kit (Siemens CBL-UD).....	68.93	9.17
28 46 21 33-0565 EA Notification Appliance Circuit Power Expander Transformer (Siemens FS-NPE).....	124.05	18.35
28 46 21 33-0566 EA Releasing Power Transformer (Siemens FS-RPT-A).....	126.02	18.35
28 46 21 33-0567 EA Surface Mounted Box For Remote LCD Annunciator (Siemens FS-RD-SB).....	142.33	14.68
28 46 21 33-0568 EA Cabinet Trim Kit (Siemens RD-CAB-TK).....	231.17	9.17
<b>28 46 21 33-0569</b> <b>Firefinder Systems</b> <small>(28 46 21 33-0544)</small>		
<b>28 46 21 33-0570</b> <b>XLS Basic Fire System Packages Without Backbox</b> <small>(28 46 21 33-0569)</small>		
28 46 21 33-0571 EA 500 Point Firefinder Package Including Two DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID- SP (Siemens XLS-500-ID-SP).....	6,297.37	366.89
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 46 21 33-0572 EA 250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID- SP (Siemens XLS-250-ID-SP).....	5,547.25	366.89
Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		

**28 Electronic Safety And Security****28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0573	EA		250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-INT-ID-SP) ..... Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	5,547.25	366.89
28 46 21 33-0574	EA		250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB2-BD And One OD-LP (Siemens XLS-250-CAB2-BD)..... Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB2-BD is a two row inner and outer door set. OD-LP is an outer door clear plastic lens plate.	9,275.53	366.89
28 46 21 33-0575	EA		250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB3-BD, One BCL, One ID-SP And One OD-LP (Siemens XLS-250-CAB3-BD)..... Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB3-BD is a three row inner and outer door set. ID-SP is an inner door blank single plate. OD-LP is an outer door clear plastic lens plate.	9,586.87	366.89
28 46 21 33-0576	EA		250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-EP) ..... Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	5,471.71	366.89
28 46 21 33-0577	EA		250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-INT-EP) ..... Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	5,471.71	366.89
28 46 21 33-0578	EA		250 Point Firefinder Package Including One DLC, One PMI, One ZIC-8B, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC8B-EP) ..... Note: DLC is a device loop card. PMI is a person machine interface. ZIC-8B is an eight circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	6,349.26	366.89
<b>28 46 21 33-0579</b>			<b>Firefinder - XLS Basic System Equipment</b> (28 46 21 33-0569)		
28 46 21 33-0580	EA		Person Machine Interface With Central Processor (Siemens PMI)..... Note: Includes inner door.	2,923.05	366.89
28 46 21 33-0581	EA		Person Machine Interface With Central Processor, DE-2 And DPU (Siemens PMI-DPU-ENC) ..... Note: Includes inner door.	4,861.42	366.89
28 46 21 33-0582	EA		Person Machine Interface With Multilingual Overlays And Central Processor (Siemens PMI-INT) ..... Note: Includes inner door.	2,923.05	366.89
28 46 21 33-0583	EA		Two Slot Card Cage (Siemens CC-2).....	362.49	18.35
28 46 21 33-0584	EA		Five Slot Card Cage (Siemens CC-5).....	612.75	18.35
28 46 21 33-0585	EA		Four Circuit Zone Indicating Card (Siemens ZIC-4A).....	875.49	18.35
28 46 21 33-0586	EA		Eight Circuit Zone Indicating Card (Siemens ZIC-8B).....	914.24	18.35
28 46 21 33-0587	EA		Two Channel Adapter Card For ZIC-8B (Siemens ZIC-2C).....	288.92	18.35
28 46 21 33-0588	EA		Device Loop Card (Siemens DLC)..... Note: Interfaces with up to 252 detectors and devices.	1,037.73	18.35
28 46 21 33-0589	EA		Controllable Relay Card (Siemens CRC-6)..... Note: Provides six programmable relays.	587.79	18.35
28 46 21 33-0590	EA		12 Amp Power Supply Charger Module (Siemens PSC-12).....	2,225.97	18.35
28 46 21 33-0591	EA		Person Machine Interface With Central Processor And GPMI-UK Software Upgrade Kit (Siemens GPMI) ..... Note: Software kit provides interface with multiple FireFinder XLS and MXL systems.	3,799.29	366.89
28 46 21 33-0592	EA		Network Interface Card (Siemens NIC-C)..... Note: Provides HNET Or XNET communication between enclosures.	687.63	18.35
28 46 21 33-0593	EA		12 Amp Power Supply Extender (Siemens PSX-12)..... Note: Extends PSC-12 with an additional 24 volt DC.	1,851.57	18.35
28 46 21 33-0594	EA		Power Termination Board (Siemens PTB) ..... Note: Used with systems requiring more than one PSX-12.	312.57	18.35
28 46 21 33-0595	EA		Conventional Detector Card (Siemens CDC-4).....	662.67	18.35
28 46 21 33-0596	EA		Multi-Mode Network Fiber Optic Interface Module (Siemens D2300CPS).....	1,297.84	18.35
28 46 21 33-0597	EA		Single-Mode Network Fiber Optic Interface Module (Siemens D2325CPS).....	4,666.17	18.35
<b>28 46 21 33-0598</b>			<b>Remote Lobby Enclosure</b> (28 46 21 33-0569)		
28 46 21 33-0599	EA		14-1/2" x 18-1/2" x 5" Two Module Remote Enclosure (Siemens REMBOX2)..... Note: Flush mounted. Includes clear lens plate on cover.	860.75	73.38
28 46 21 33-0600	EA		24" x 18-1/2" x 5" Four Module Remote Enclosure (Siemens REMBOX4)..... Note: Flush mounted. Includes clear lens plate on cover.	1,110.35	73.38
28 46 21 33-0601	EA		Optional Mounting Plate For REMBOX2 (Siemens REMBOX2-MP)..... Note: Required to mount up to four SIM-16 or OCM-16 modules.	137.19	18.35
28 46 21 33-0602	EA		Optional Mounting Plate For REMBOX4 (Siemens REMBOX4-MP)..... Note: Required to mount up to eight SIM-16 or OCM-16 modules.	149.67	18.35
<b>28 46 21 33-0603</b>			<b>Battery Enclosures</b> (28 46 21 33-0569)		
28 46 21 33-0604	EA		Enclosure For 100 Amp Hours Batteries (Siemens CAB-BATT).....	534.95	73.38
<b>28 46 21 33-0605</b>			<b>Graphic Annunciator Output Drivers And Inputs</b> (28 46 21 33-0569)		
28 46 21 33-0606	EA		Output Control Module (Siemens OCM-16).....	424.89	18.35
28 46 21 33-0607	EA		Supervised Input Module (Siemens SIM-16).....	424.89	18.35
<b>28 46 21 33-0608</b>			<b>Remote LCD Displays</b> (28 46 21 33-0569)		
28 46 21 33-0609	EA		Remote LED/LCD System Status Display (Siemens SSD)..... Note: No control or menu capability.	985.65	55.03



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0610 EA Remote LED/LCD System Status Display, Buttons To Acknowledge Events, Silence Audible Circuits And Resetting (Siemens SSD-C).....	1,111.11	55.03
<b>28 46 21 33-0611 Voice Equipment</b> (28 46 21 33-0569)		
28 46 21 33-0612 EA 40W Zone Amplifier Card (Siemens ZAC-40).....	977.30	18.35
28 46 21 33-0613 EA 180W Zone Amplifier Module (Siemens ZAM-180).....	2,164.23	18.35
28 46 21 33-0614 EA Live Voice Module (Siemens LVM).....	912.27	18.35
Note: Includes a dynamic microphone with a push-to-talk switch and ready-to-page indicator light, as well as a small local speaker and volume control for monitoring audio signals.		
<b>28 46 21 33-0615 MXL Series Equipment</b> (28 46 21 33-0544)		
<b>28 46 21 33-0616 MXL Optional Equipment</b> (28 46 21 33-0615)		
28 46 21 33-0617 EA Two Circuit Analog Loop Driver (Siemens ALD-21).....	1,053.40	36.69
28 46 21 33-0618 EA CXL/MXL Interface Module (Siemens CMI-300).....	2,716.64	18.35
28 46 21 33-0619 EA Four Relay Programmable Relay Module (Siemens CRM-4).....	467.58	18.35
28 46 21 33-0620 EA Two Circuit Controllable Signal/Releasing Module (Siemens CSM-4).....	564.14	18.35
28 46 21 33-0621 EA Remote Conventional Zone Module (Siemens CZM-1B6).....	213.38	18.35
28 46 21 33-0622 EA Short Circuit Line Isolator Module (Siemens Model LIM-1).....	132.59	18.35
28 46 21 33-0623 EA Four Circuit Conventional Zone Module (Siemens CZM-4).....	549.03	18.35
28 46 21 33-0624 EA 12" x 16" x 3" Enclosure For PAD-3 (Siemens EN-PAD).....	199.54	27.52
28 46 21 33-0625 EA Lexan Window For RCC (Siemens GENBOX-WD).....	135.10	14.68
28 46 21 33-0626 EA Input Driver Module (Siemens MID-16).....	360.52	18.35
28 46 21 33-0627 EA Programmable Output Driver Module (Siemens MOD-16).....	360.52	18.35
28 46 21 33-0628 EA MXL Output/Input Module (Siemens MOI-7).....	575.96	18.35
28 46 21 33-0629 EA Two Slot Network Option Module Card Cage (Siemens MOM-2).....	307.31	18.35
28 46 21 33-0630 EA Four Slot Network Option Module Card Cage (Siemens MOM-4).....	482.69	18.35
28 46 21 33-0631 EA 12 Amp, 220 VAC Power Supply For MXL (Siemens MPS-12/220).....	1,187.96	55.03
28 46 21 33-0632 EA 12 Amp, 240 VAC Power Supply For MXL (Siemens MPS-12/240).....	1,187.96	55.03
28 46 21 33-0633 EA Network Interface Module (Siemens NIM-1W).....	858.41	18.35
28 46 21 33-0634 EA U.L. Listed Parallel Printer (Siemens PAL-1).....	2,248.67	73.38
28 46 21 33-0635 EA Peripheral Interface Module, Model PIM-1 (Siemens 500-691324).....	252.79	18.35
28 46 21 33-0636 EA Surface Mounted Remote Command Center (Siemens RCC-1).....	2,484.28	366.89
28 46 21 33-0637 EA Enclosure And Door With Lens For RCC-1 (Siemens RCC-1DL).....	305.25	36.69
28 46 21 33-0638 EA Flush Mounted Remote Command Center (Siemens RCC-1F).....	2,484.28	366.89
28 46 21 33-0639 EA Enclosure And Door With Lens For RCC-1F (Siemens RCC-1FDL).....	313.13	36.69
28 46 21 33-0640 EA Remote Control Center With System Control Functions And Sequential Event Display (Siemens RCC-2).....	1,916.10	366.89
28 46 21 33-0641 EA MXL/MXLV Remote Annunciator/Keyboard With Enhanced Display (Siemens RCC-3).....	2,854.74	366.89
28 46 21 33-0642 EA RCC-2/RSE-1 Trim Ring (Siemens RCF-1).....	47.91	9.17
28 46 21 33-0643 EA Remote Diagnostics Module For MXL (Siemens RDM-MXL).....	3,489.00	36.69
28 46 21 33-0644 EA Remote Diagnostics Module For PC (Siemens RDM-PC).....	7,428.13	36.69
28 46 21 33-0645 EA Releasing End Of Line Module (Siemens REL-EOL).....	108.29	18.35
28 46 21 33-0646 EA 36 Zone Tabular Graphic Annunciator With Restart System Key (Siemens RSA-MBSC).....	2,225.88	36.69
28 46 21 33-0647 EA 36 Zone Tabular Graphic Annunciator (Siemens RSA-MBTL).....	2,125.38	36.69
28 46 21 33-0648 EA 8-3/8" x 6-1/4" Remote Control Enclosure (Siemens RSE-1).....	1,132.68	73.38
<b>28 46 21 33-0649 Complete MXL And MXLV System Packages Without Enclosure</b> (28 46 21 33-0615)		
28 46 21 33-0650 EA MXL System Electronics Package Including One MMB-3, One Display/Control Keyboard, One MDL-1, One MKB-2, One Mps-6, One MOM-2, One ALD-21 And One PIM-1 (Siemens MXL-SS-EP).....	8,198.95	366.89
Note: MMB-3 is a MXL/MXLV main control board. MDL-1 is a clear lens. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. MOM-2 is a two slot network option module card cage. ALD-21 is a two circuit analog loop driver. PIM-1 is a peripheral interface module.		
28 46 21 33-0651 EA MXL Voice System Electronics Package Including One MMB-3, One MKB-2, One MPS-6, One ACM-1, One TBM-2, One MMM-1, One OMM-2, One ZAC-30, One OCC-1, One MHD-5, One VSM-1 And Four VSB-1 (Siemens MXLV-SS-EP).....	10,660.82	366.89
Note: MMB-3 is a MXL/MXLV main control board. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. ACM-1 is an audio control module. TBM-2 is a voice terminal module. MMM-1 is a master microphone module. OMM-2 is a two half width slot card cage. ZAC-30 is a MXLV zone amplifier card. OCC-1 is a MXLV output control card. MHD-5 is a deadfront panel for MSE-2 backbox. VSM-1 is an eight switch module. VSB-1 is a module blank with overlay.		
28 46 21 33-0652 EA MXLV Demonstration Panel (Siemens MXLV DEMO).....	22,158.33	366.89
<b>28 46 21 33-0653 MXL Basic System</b> (28 46 21 33-0615)		
28 46 21 33-0654 EA MXL/MXLV Main Control Board (Siemens MMB-3).....	5,101.24	366.89
28 46 21 33-0655 EA MXL System Electronics Package Including One MMB-3, One DE-2 And One DPU (Siemens MMB-DPU-ENCL).....	6,571.93	366.89
Note: MMB-3 is a MXL/MXLV main control board. DE-2 is an enclosure for document storage. DPU is a handheld device programming and testing unit.		
28 46 21 33-0656 EA MXL/MXLV Display/Keyboard Module With Hinged Frame (Siemens MKB-2).....	1,877.75	36.69
28 46 21 33-0657 EA MXL/MXLV Keyboard With Enhanced Display With Hinged Frame (Siemens MKB-5).....	2,351.99	36.69
28 46 21 33-0658 EA 6 Amp Power Supply For MXL (Siemens MPS-6).....	819.47	55.03
28 46 21 33-0659 EA 220/240 VAC Adapter Cable (Siemens CIA-12).....	61.05	9.17
<b>28 46 21 33-0660 MXL/MXLV System Expansion Accessories</b> (28 46 21 33-0615)		
28 46 21 33-0661 EA MXL Remote Power Supply Module (Siemens PSR-1).....	1,005.36	55.03
28 46 21 33-0662 EA Style 4 Communication Module (Siemens NET-4).....	206.81	18.35
28 46 21 33-0663 EA Style 7 Communication Module (Siemens NET-7).....	375.62	18.35



**28 Electronic Safety And Security****28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0664 EA MXL/MXL-IQ/MXLV Intelligent Control Point, B6 Chip (Siemens ICP-B6).....	225.86	18.35
<b>28 46 21 33-0665 Peripheral Devices (28 46 21 33-0544)</b>		
<b>28 46 21 33-0666 Thermal Detectors (28 46 21 33-0665)</b>		
28 46 21 33-0667 EA Rate Of Rise And 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135R).....	87.22	27.52
28 46 21 33-0668 EA Rate Of Rise And 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200R).....	87.22	27.52
28 46 21 33-0669 EA 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135F).....	87.22	27.52
28 46 21 33-0670 EA 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200F).....	87.22	27.52
28 46 21 33-0671 EA Weatherproof 135 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-135WP).....	136.48	27.52
28 46 21 33-0672 EA Weatherproof 200 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-200WP).....	136.48	27.52
28 46 21 33-0673 EA Explosion Proof 190 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-190EP).....	335.51	27.52
<b>28 46 21 33-0674 Beam Smoke Detector (28 46 21 33-0665)</b>		
28 46 21 33-0675 EA Linear Beam Smoke Detector (Siemens PBA-1191).....	1,584.47	27.52
28 46 21 33-0676 EA Base For Linear Beam Smoke Detector (Siemens PBB-1191).....	181.25	9.17
28 46 21 33-0677 EA 20cm x 20cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1192).....	183.22	9.17
28 46 21 33-0678 EA 10cm x 10cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1193).....	93.89	9.17
<b>28 46 21 33-0679 Bases For Detectors (28 46 21 33-0665)</b>		
28 46 21 33-0680 EA Detector Base (Siemens DB-11).....	28.20	9.17
28 46 21 33-0681 EA Universal Base (Siemens DB-3S).....	26.23	9.17
<b>28 46 21 33-0682 Manual Stations (28 46 21 33-0665)</b>		
28 46 21 33-0683 EA Weatherproof Metal Manual Pull Station With Key (Siemens MSM-K-WP).....	201.02	22.02
<b>28 46 21 33-0684 Addressable Devices (28 46 21 33-0544)</b>		
<b>28 46 21 33-0685 Intelligent Detectors And Devices For Firefinder XLS And FS-250 (28 46 21 33-0684)</b>		
28 46 21 33-0686 EA Addressable Fireprint Fire Detector (Siemens HFP-11).....	168.01	27.52
28 46 21 33-0687 EA Addressable Thermal Fire Detector (Siemens HFPT-11).....	145.02	27.52
28 46 21 33-0688 EA Relay Base For H-Series Intelligent Detectors (Siemens DB-HR).....	118.09	27.52
28 46 21 33-0689 EA Ceiling Mounted Remote Alarm Indicator (Siemens RL-HC).....	79.33	27.52
28 46 21 33-0690 EA Wall Mounted Remote Alarm Indicator (Siemens RL-HW).....	79.33	27.52
28 46 21 33-0691 EA Addressable Single Action Manual Pull Station (Siemens HMS-S).....	175.29	18.35
28 46 21 33-0692 EA Addressable Double Action Manual Pull Station (Siemens HMS-D).....	167.40	18.35
28 46 21 33-0693 EA Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-S).....	132.59	18.35
28 46 21 33-0694 EA Dual Input Intelligent Initiating Devices Interface Module (Siemens HTRI-D).....	162.15	18.35
28 46 21 33-0695 EA Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens HTRI-R).....	162.15	18.35
28 46 21 33-0696 EA Mini Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-M).....	122.74	18.35
28 46 21 33-0697 EA Line Isolator Module (Siemens HLIM).....	126.68	18.35
28 46 21 33-0698 EA Remote Convention Zone Module (Siemens HZM).....	187.11	18.35
28 46 21 33-0699 EA Intelligent Control Point Module (Siemens HCP).....	237.03	18.35
28 46 21 33-0700 EA Handheld Programming And Testing Unit (Siemens DPU).....	1,043.04	
28 46 21 33-0701 EA DPU Carrying Case (Siemens DPU-C1).....	160.77	
28 46 21 33-0702 EA Label Printer And Carrying Case (Siemens DPU-PRT).....	1,786.54	18.35
<b>28 46 21 33-0703 Air Duct Housings And Detectors (28 46 21 33-0684)</b>		
28 46 21 33-0704 EA Air-Duct Housing (Siemens AD2-P).....	191.59	14.68
28 46 21 33-0705 EA Air-Duct Housing With Relay (Siemens AD2-XHR).....	216.55	14.68
28 46 21 33-0706 EA Weatherproof Enclosure For Duct Housing (Siemens WP-2000).....	173.97	18.35
28 46 21 33-0707 EA 6" To 1' Duct Sampling Tube (Siemens ST-10).....	24.15	5.50
28 46 21 33-0708 EA >1' To 3' Duct Sampling Tube (Siemens ST-25).....	29.79	7.34
28 46 21 33-0709 EA >3' To 5' Duct Sampling Tube (Siemens ST-50).....	37.40	9.17
28 46 21 33-0710 EA >5' To 10' Duct Sampling Tube (Siemens ST-100).....	43.70	11.01
<b>28 46 21 33-0711 Intelligent Initiating Devices For MXL, MXL-LQ And MXLV (28 46 21 33-0684)</b>		
28 46 21 33-0712 EA Addressable Fireprint Fire Detector (Siemens FP-11).....	175.23	27.52
28 46 21 33-0713 EA Addressable Thermal Fire Detector (Siemens FPT-11).....	150.93	27.52
28 46 21 33-0714 EA Intelligent Ionization Smoke Detector (Siemens ILI-1).....	193.63	27.52
28 46 21 33-0715 EA Addressable Single Action Manual Pull Station (Siemens MSI-10B).....	170.69	18.35
28 46 21 33-0716 EA Addressable Double Action Manual Pull Station (Siemens MSI-20B).....	188.42	18.35
28 46 21 33-0717 EA Single Input Intelligent Initiating Devices Interface Module (Siemens TRI-S).....	172.66	18.35
28 46 21 33-0718 EA Dual Input Intelligent Initiating Devices Interface Module (Siemens TRI-D).....	191.05	18.35
28 46 21 33-0719 EA Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens TRI-R).....	191.05	18.35
<b>28 46 21 33-0720 Detector Universal Bases (28 46 21 33-0684)</b>		
28 46 21 33-0721 EA Detector Base With Relay (Siemens DB-X11RS).....	80.75	9.17
28 46 21 33-0722 EA PE-11 To DB-3 Base Adapter (Siemens DB-ADPT).....	41.34	9.17
28 46 21 33-0723 EA Locking Kit (Siemens LK-11).....	7.87	
28 46 21 33-0724 EA Detector Base With Relay (Siemens DB-X3RS).....	80.75	9.17
28 46 21 33-0725 EA Audible Base For Addressable Fireprint Fire Detector (Siemens ADBX-11).....	93.89	9.17



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0726 EA Retrofit Adapter Box For Audible Bases Ionization Detector Air Duct (Siemens ADB-BOX) .....	39.37	9.17
28 46 21 33-0727 EA Flush Trim Ring For Bases (Siemens RA-ADB) .....	18.89	5.50
28 46 21 33-0728 EA Seal For DB-11 (Siemens DB11-SEAL) .....	9.45	
28 46 21 33-0729 EA Gasket For DB-11 (Siemens DB-SEAL) .....	10.31	
28 46 21 33-0730 EA Detector Guard Housing (Siemens DGH-11).....	118.19	9.17
28 46 21 33-0731 EA Small Detector Base (Siemens DB-11E) .....	30.83	9.17
28 46 21 33-0732 EA Audible Base For Series 3 (Siemens ADBI-60A).....	105.71	9.17
28 46 21 33-0733 EA Base Plug (Siemens DB-11-DP).....	7.84	
<b>28 46 21 33-0734 Air Duct Smoke Detectors</b> <small>(28 46 21 33-0684)</small>		
28 46 21 33-0735 EA Intelligent Remote Duct Relay Module (Siemens DA-X3SR).....	89.89	18.35
28 46 21 33-0736 EA Weatherproof Enclosure For Duct Housing (Siemens EAD-3).....	461.67	18.35
<b>28 46 21 33-0737 Notification Devices</b> <small>(28 46 21 33-0544)</small>		
<b>28 46 21 33-0738 Synchronization Control Devices</b> <small>(28 46 21 33-0737)</small>		
28 46 21 33-0739 EA Dual Synchronization Control Module (Siemens DSC).....	132.59	18.35
<b>28 46 21 33-0740 Stand Alone Strobes</b> <small>(28 46 21 33-0737)</small>		
28 46 21 33-0741 EA Wall Mounted Multi-Candela Strobe (Siemens ZR-MC-R).....	110.86	27.52
28 46 21 33-0742 EA Wall Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-R).....	120.71	27.52
28 46 21 33-0743 EA Ceiling Mounted Multi-Candela Strobe (Siemens ZR-MC-CR).....	110.86	27.52
28 46 21 33-0744 EA Ceiling Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-CR).....	120.71	27.52
28 46 21 33-0745 EA Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CW).....	120.71	27.52
28 46 21 33-0746 EA Ceiling Mounted Multi-Candela Strobe (Siemens ST-MC-CW).....	110.86	27.52
28 46 21 33-0747 EA Retrofit Plate Multi-Candela Strobe (Siemens ST-MC-RETRO-R).....	127.94	27.52
28 46 21 33-0748 EA Weatherproof Ceiling Mounted Strobe (Siemens ST-75-CR-WP).....	122.69	27.52
28 46 21 33-0749 EA Weatherproof Wall Mounted Strobe (Siemens ST-75-R-WP).....	122.69	27.52
28 46 21 33-0750 EA Weatherproof Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CR-WP).....	131.22	27.52
28 46 21 33-0751 EA Weatherproof Wall Mounted High Multi-Candela Strobe (Siemens ST-HMC-R-WP).....	131.22	27.52
<b>28 46 21 33-0752 Horns And Strobes</b> <small>(28 46 21 33-0737)</small>		
28 46 21 33-0753 EA Wall Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-R).....	149.62	27.52
28 46 21 33-0754 EA Wall Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-R).....	158.16	27.52
28 46 21 33-0755 EA Wall Mounted Horn (Siemens SE-R).....	87.22	27.52
28 46 21 33-0756 EA Ceiling Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-CR).....	149.62	27.52
28 46 21 33-0757 EA Ceiling Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-CR).....	158.16	27.52
28 46 21 33-0758 EA Ceiling Mounted Horn (Siemens SEC-R).....	91.16	27.52
28 46 21 33-0759 EA Wall Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-R).....	149.62	27.52
28 46 21 33-0760 EA Wall Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-R).....	158.16	27.52
28 46 21 33-0761 EA Wall Mounted Low Profile Horn (Siemens SEF-R).....	87.22	27.52
28 46 21 33-0762 EA Ceiling Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-CW).....	149.62	27.52
28 46 21 33-0763 EA Ceiling Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-CW).....	158.16	27.52
28 46 21 33-0764 EA Ceiling Mounted Low Profile Horn (Siemens SEF-CR).....	91.16	27.52
28 46 21 33-0765 EA Mini Horn (Siemens MH-R).....	72.77	27.52
28 46 21 33-0766 EA Indoor/Outdoor Multi Tone Horn (Siemens MTH-R).....	92.47	27.52
28 46 21 33-0767 EA Indoor/Outdoor Multi Tone, Multi-Candela Horn/Strobe (Siemens MTH-MC-R).....	141.08	27.52
28 46 21 33-0768 EA Industrial Tri-Tone Horn (Siemens ASR).....	399.88	27.52
28 46 21 33-0769 EA Wall Mounted Horn (Siemens HS-R).....	92.47	27.52
28 46 21 33-0770 EA Wall Mounted Multi-Candela Horn/Strobe (Siemens HS-MC-R).....	141.73	27.52
28 46 21 33-0771 EA Wall Mounted High Multi-Candela Horn/Strobe (Siemens HS-HMC-R).....	152.24	27.52
28 46 21 33-0772 EA 6" Motor Bell (Siemens MBDC-6).....	105.61	27.52
28 46 21 33-0773 EA 10" Motor Bell (Siemens MBDC-10).....	115.46	27.52
<b>28 46 21 33-0774 Mounting Accessories</b> <small>(28 46 21 33-0737)</small>		
28 46 21 33-0775 EA Concealed Conduit Adapter Plate (Siemens APS-R).....	26.23	9.17
28 46 21 33-0776 EA 4" x 1-1/2" Surface Mounted Back Box (Siemens BBS-R).....	26.23	9.17
28 46 21 33-0777 EA 4" x 2-1/8" Surface Mounted Back Box (Siemens DBBS-R).....	26.89	9.17
28 46 21 33-0778 EA Red Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX).....	42.65	9.17
28 46 21 33-0779 EA White Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX-W).....	34.11	9.17
28 46 21 33-0780 EA Surface Mounted Speaker Backbox (Siemens SBBS-R).....	36.09	9.17
28 46 21 33-0781 EA Surface Mounted Speaker Backbox (Siemens SBL2S-R).....	38.71	9.17
28 46 21 33-0782 EA Square Semi-Flush Extension Ring (Siemens SERS-R).....	30.83	9.17
28 46 21 33-0783 EA Semi-Flush Plate (Siemens SFPS-R).....	25.58	9.17
28 46 21 33-0784 EA Square Surface Backbox (Siemens SHBBS-R).....	30.83	9.17
28 46 21 33-0785 EA Horn Adapter Plate (Siemens SHMPS-R).....	29.52	9.17
28 46 21 33-0786 EA Ceiling Speaker Extension Ring (Siemens SPECT-R).....	26.23	9.17
28 46 21 33-0787 EA Wall Mounted Surface Mounted Speaker Backbox (Siemens SPSB-R).....	34.11	9.17
28 46 21 33-0788 EA Wall Mounted Surface Mounted Speaker/Strobe Backbox (Siemens SPSSB-R).....	36.09	9.17
28 46 21 33-0789 EA Weatherproof Speaker Backbox (Siemens WBBS-R).....	34.77	9.17
28 46 21 33-0790 EA Weatherproof Speaker Backbox With 3/4" Knockout (Siemens WBBS-R-3/4T-3/4B).....	38.71	9.17
28 46 21 33-0791 EA Weatherproof Flush Plate (Siemens WFPAS-R).....	38.71	9.17
28 46 21 33-0792 EA Weatherproof Horn Flush Plate (Siemens WFPS-R).....	38.71	9.17
28 46 21 33-0793 EA Weatherproof Horn Backbox (Siemens WPBBS-R).....	36.09	9.17
28 46 21 33-0794 EA Weatherproof Strobe Backbox (Siemens WPSBBS-R).....	36.09	9.17

**28 Electronic Safety And Security**

**28 40 Life Safety**

**28 46 Fire Detection And Alarm**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0795	EA		Surface Mounted Weatherproof Backbox Kit (Siemens WPS-KIT) .....	26.23	9.17
28 46 21 33-0796	EA		Z Series Backbox (Siemens ZBB-R).....	29.52	9.17
<b>28 46 21 33-0797</b>			<b>Door Holders</b> (28 46 21 33-0737)		
28 46 21 33-0798	EA		120 VAC Concealed Wiring Fire Door Holder (Siemens SDH-2A).....	224.50	27.52
28 46 21 33-0799	EA		24 VDC Concealed Wiring Fire Door Holder (Siemens SDH-2D) .....	224.50	27.52
<b>28 46 21 33-0800</b>			<b>Voice Equipment</b> (28 46 21 33-0544)		
<b>28 46 21 33-0801</b>			<b>Voicecom</b> (28 46 21 33-0800)		
28 46 21 33-0802	EA		Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone And Enclosure With Deadfront And Space For Five Modules (Siemens VOICECOM) .....	3,436.71	366.89
28 46 21 33-0803	EA		Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, Two 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone, Enclosure With Deadfront And Space For 11 Modules, Auxiliary Power Supply, Four PS-AUX Strobe Zone Cables And One AM-25-50 Speaker Zone Cables (Siemens VOICECOM-L) .....	5,440.10	366.89
<b>28 46 21 33-0804</b>			<b>Johnson Controls Fire Alarm</b> (28 46 21 33)		
28 46 21 33-0805	EA		Intelligent Addressable ION Detector; With FlashScan. (Johnson Controls, Inc. #1951J) .....	131.62	27.52
28 46 21 33-0806	EA		Intelligent Addressable Photo Detector; With FlashScan. (Johnson Controls, Inc. #2951J) .....	130.19	27.52
28 46 21 33-0807	EA		Intelligent Addressable Photo/Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TJ).....	162.82	27.52
28 46 21 33-0808	EA		Acclimate™ Intelligent Photo Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TMJ).....	162.36	27.52
28 46 21 33-0809	EA		411UD, 4 Channel Dual. (Johnson Controls, Inc. #411UD).....	447.87	36.69
28 46 21 33-0810	EA		Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951HJ).....	124.34	27.52
28 46 21 33-0811	EA		Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951J) .....	110.84	27.52
28 46 21 33-0812	EA		Intelligent Addressable Rate-of-Rise Thermal Detector; With FlashScan. (Johnson Controls, Inc. #5951RJ).....	107.98	27.52
28 46 21 33-0813	EA		Intelligent Addressable Laser Detector; Low Profile, Use With IFC Series Panels Only. (Johnson Controls, Inc. #7351J).....	327.99	27.52
28 46 21 33-0814	EA		100 Watt Audio Amplifier @ 70.7 VRMS With Built-in Tone Generator, 120 VAC. (Johnson Controls, Inc. #AA-100) .....	1,598.23	55.03
28 46 21 33-0815	EA		AUDIO Amplifier, 100 Watt, 230 VAC (Johnson Controls, Inc. #AA-100E).....	1,548.46	55.03
28 46 21 33-0816	EA		120 Watt Audio Amplifier @ 25 VRMS With Built-in Tone Generator, 120 VAC (Johnson Controls, Inc. #AA-120) .....	1,575.31	55.03
28 46 21 33-0817	EA		AUDIO Amplifier, 120 Watt, 230 VAC (Johnson Controls, Inc. #AA-120E).....	1,508.28	55.03
28 46 21 33-0818	EA		30 Watt Audio Amplifier @ 25 VRMS, 120 VAC (Johnson Controls, Inc. #AA-30) .....	733.85	55.03
28 46 21 33-0819	EA		AUDIO Amplifier, 30 Watt, 230 VAC (Johnson Controls, Inc. #AA-30E).....	733.85	55.03
28 46 21 33-0820	EA		Annunciator Control Module With; 16 Red Alarm LED's, 16 Yellow Trouble LED's, And 16 Control Switches, On-line, System Trouble Led, And Local Sounder, Local Acknowledge And Lamp Test Switch, Supports 1, 2 Or 3 AEM-16AT Expander Modules. (Johnson Controls, Inc. #ACM-16AT).....	735.80	18.35
28 46 21 33-0821	EA		IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED, Trouble LED And Switch Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) By Point To Be Red, Green Or Yellow And The Trouble LED Is Always Yellow. Expandable With One, Two Or Three AEM-24AT's. (Johnson Controls, Inc. #ACM-24AT).....	765.35	18.35
28 46 21 33-0822	EA		Annunciator Control Module; Includes 32 Red Alarm LED's, System Trouble LED And On-line LED, Local Acknowledge, Lamp Test Switch, And Local Piezo Sounder, Supports One AEM-32A Expander Module. (Johnson Controls, Inc. #ACM-32A) .....	562.03	18.35
28 46 21 33-0823	EA		IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) In Groups Of 24 To Be Red, Green Or Yellow. Expandable To 96 Points With One AEM-48A. (Johnson Controls, Inc. #ACM-48A).....	562.03	18.35
28 46 21 33-0824	EA		Annunciator, Relay, Form C. (Johnson Controls, Inc. #ACM-8R) .....	396.30	18.35
28 46 21 33-0825	EA		Charger Power Supply - 6 Or 10 Amps; Mounts In CAB-PS1, CAB-3/4, EQ Cabx, BB-25, Or CHS-PS1; Comes With The PK-PPS Programming Utility. Windows® PC And USB Cable Required For Programming. (Johnson Controls, Inc. #ACPS-610) .....	1,278.73	36.69
28 46 21 33-0826	EA		Annunciator Expander Module With: 16 Red Alarm LED's, 16 Yellow Trouble LED's, 16 Control Switches, Cable For Connection To The ACM-16AT Master. (Johnson Controls, Inc. #AEM-16AT).....	562.03	18.35
28 46 21 33-0827	EA		Annunciator Expander Module; 24 Alarm And Trouble LEDs, Expands The ACM-24AT To 48, 72 Or 96 Points. (Johnson Controls, Inc. #AEM-24AT) .....	584.24	18.35
28 46 21 33-0828	EA		Annunciator Expander Module With: 32 Red Alarm LED's, Cable For Connection To The ACM-32A Master. (Johnson Controls, Inc. #AEM-32A) .....	503.76	18.35
28 46 21 33-0829	EA		Annunciator Expander Module; 48 Alarm LEDs, Expands The ACM-48A To 96 Points. (Johnson Controls, Inc. #AEM-48A) .....	503.76	18.35
28 46 21 33-0830	EA		Back Box, Flush Or Surface Mount; Requires A Door And Telephone Chassis. (Johnson Controls, Inc. #AFAWS-BX).....	84.25	16.51
28 46 21 33-0831	EA		Receiver, Multimode Fiber. (Johnson Controls, Inc. #AFL-RM) .....	770.49	36.69
28 46 21 33-0832	EA		Receiver, Singlemode Fiber. (Johnson Controls, Inc. #AFL-RS).....	1,680.52	36.69
28 46 21 33-0833	EA		Transmit, Multimode Fiber. (Johnson Controls, Inc. #AFL-TM).....	770.49	36.69
28 46 21 33-0834	EA		Transmit, Singlemode Fiber. (Johnson Controls, Inc. #AFL-TS).....	1,680.52	36.69
28 46 21 33-0835	EA		Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B110LP).....	30.40	9.17
28 46 21 33-0836	EA		Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224BI).....	82.24	9.17
28 46 21 33-0837	EA		Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224RB).....	77.56	9.17
28 46 21 33-0838	EA		Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B401) .....	32.40	9.17
28 46 21 33-0839	EA		Intelligent Detector Base, Without Flange. (Johnson Controls, Inc. #B501J).....	29.08	9.17
28 46 21 33-0840	EA		Battery Cabinet, Lockable. (Johnson Controls, Inc. #BB-100).....	561.60	36.69
28 46 21 33-0841	EA		Projected Beam Smoke Detector, Single-ended Reflected Type, Includes Trouble Relay, Transmitter/Receiver In One Unit. (Johnson Controls, Inc. #Beam1224) .....	1,315.42	55.03
28 46 21 33-0842	EA		Same As Beam1224 With Built-in Sensitivity Test Filter. (Johnson Controls, Inc. #Beam1224S) .....	1,390.76	55.03
28 46 21 33-0843	EA		Mounting Kit, Long RG, Beam. (Johnson Controls, Inc. #BeamLRK) .....	153.95	9.17
28 46 21 33-0844	EA		Mounting Kit, Beam Detect. (Johnson Controls, Inc. #BeamMMK).....	103.74	9.17
28 46 21 33-0845	EA		Digital Audio Amplifier, 50 Watt, 25 VRMS (Johnson Controls, Inc. #DAA-5025).....	1,316.53	55.03
28 46 21 33-0846	EA		Digital Audio Amplifier, 50 Watt, 25 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5025F).....	1,214.97	55.03



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0847 EA Digital Audio Amplifier, 50 Watt, 25 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5025SF).....	1,214.97	55.03
28 46 21 33-0848 EA Digital Audio Amplifier, 50 Watt, 70 VRMS (Johnson Controls, Inc. #DAA-5070).....	1,426.23	55.03
28 46 21 33-0849 EA Amplifier, Digital Audio. (Johnson Controls, Inc. #DAA-5070E).....	1,315.42	55.03
28 46 21 33-0850 EA Digital Audio Amplifier, 50 Watt, 70 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5070F).....	1,315.42	55.03
28 46 21 33-0851 EA Digital Audio Amplifier, 50 Watt, 70 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5070SF).....	1,315.42	55.03
28 46 21 33-0852 EA Digital Audio Amplifier, 75 Watt, 25 VRMS (Johnson Controls, Inc. #DAA-7525).....	1,573.71	55.03
28 46 21 33-0853 EA Digital Audio Amplifier, 75 Watt, 25 VRMS, Multi Fiber (Johnson Controls, Inc. #DAA-7525F).....	1,573.71	55.03
28 46 21 33-0854 EA Digital Audio Amplifier, 75 Watt, 25 VRMS, Single Fiber (Johnson Controls, Inc. #DAA-7525SF).....	1,573.71	55.03
28 46 21 33-0855 EA Innovairflex Intelligent. (Johnson Controls, Inc. #DNR).....	163.32	18.35
28 46 21 33-0856 EA Innovairflex Duct Detect. (Johnson Controls, Inc. #DNRW).....	251.15	18.35
28 46 21 33-0857 EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1).....	22.68	7.34
28 46 21 33-0858 EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1.5).....	24.75	7.34
28 46 21 33-0859 EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST10).....	60.65	11.01
28 46 21 33-0860 EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST3).....	29.38	7.34
28 46 21 33-0861 EA Innovairflex Sample Tube. (Johnson Controls, Inc. #DST5).....	36.27	9.17
28 46 21 33-0862 EA Digital Voice Command, Analog Output. (Johnson Controls, Inc. #DVC-AO).....	252.64	18.35
28 46 21 33-0863 EA Digital Voice Command, Keypad. (Johnson Controls, Inc. #DVC-KD).....	419.93	36.69
28 46 21 33-0864 EA Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; B Size, Black. (Johnson Controls, Inc. #EQBB-B4).....	348.29	55.03
28 46 21 33-0865 EA Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; C Size, Black. (Johnson Controls, Inc. #EQBB-C4).....	483.56	55.03
28 46 21 33-0866 EA Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; D Size, Black. (Johnson Controls, Inc. #EQBB-D4).....	528.76	55.03
28 46 21 33-0867 EA Equipment Cabinet Door; B Size Black. (Johnson Controls, Inc. #EQDR-B4).....	280.15	7.34
28 46 21 33-0868 EA Equipment Cabinet Door; C Size Black. (Johnson Controls, Inc. #EQDR-C4).....	422.48	7.34
28 46 21 33-0869 EA Equipment Cabinet Door; D Size Black. (Johnson Controls, Inc. #EQDR-D4).....	464.34	7.34
28 46 21 33-0870 EA 6.0 Amps, 120 VAC Remote Charger Power Supply. Includes Main Printed Circuit Board, Transformers And Installation Instructions (Johnson Controls, Inc. #FCPS-24S6).....	730.13	73.38
28 46 21 33-0871 EA 8.0 Amps, 120 VAC Remote Charger Power Supply. Includes Main Printed Circuit Board, Transformers And Installation Instructions (Johnson Controls, Inc. #FCPS-24S8).....	735.03	73.38
28 46 21 33-0872 EA 80 Character Display Annunciator. "Security Keypad" Mechanical Design. For Use With The IFC-320, JCPU2-640, JCPU-640 And IFC-400/300 (Rev 3.62+) Only. (Johnson Controls, Inc. #FDU-80G).....	697.69	55.03
28 46 21 33-0873 EA Fireman's Telephone Hand Set. (Johnson Controls, Inc. #FHS).....	128.85	9.17
28 46 21 33-0874 EA Fire Phone Storage Cabinet, Recessed, Holds 6 Phones. (Johnson Controls, Inc. #FHSC-R).....	365.15	18.35
28 46 21 33-0875 EA Door Holder, Magnetic, Floor. (Johnson Controls, Inc. #FM980).....	192.55	27.52
28 46 21 33-0876 EA Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM996).....	156.93	27.52
28 46 21 33-0877 EA Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM998).....	165.03	27.52
28 46 21 33-0878 EA Addressable Beam Detector. (Johnson Controls, Inc. #FSB-200).....	1,340.69	36.69
28 46 21 33-0879 EA Addressable Beam Detector With Remote Test Feature. (Johnson Controls, Inc. #FSB-200S).....	1,637.96	36.69
28 46 21 33-0880 EA Intelligent Addressable HARSH (Hostile Area Smoke Head) Detector; Photo, Requires B501B-FTXJ Base. (Johnson Controls, Inc. #FTX-P2J).....	494.65	18.35
28 46 21 33-0881 EA IFC-320 Intelligent Fire Alarm Panel; Single Printed Circuit Board With One SLC Loop (318 Devices), Back-lit, 80 Character Display, System And Programming Keypad And 6.0 Amp Power Supply, 120 VAC, Includes Door, Dress Panel And Back Box, Black (Johnson Controls, Inc. #IFC-320).....	3,361.65	293.51
28 46 21 33-0882 EA Upgrade Kit, ORG BLD, 640. (Johnson Controls, Inc. #IFC-640UG).....	1,652.40	36.69
28 46 21 33-0883 EA Workstation Only Workstation GUI Software And Hardware Package. (Johnson Controls, Inc. #IFI).....	21,850.30	440.26
28 46 21 33-0884 EA Workstation With NFN Fiber PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-F) Fiber Version. (Johnson Controls, Inc. #IFI-F).....	23,859.23	440.26
28 46 21 33-0885 EA Workstation With Echelon Wire PC Card Workstation GUI Software And Hardware Package For Building Systems Integration, WSSUP Workstation Supervisor. Includes Echelon® Gateway (ECH-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-IP).....	26,872.62	440.26
28 46 21 33-0886 EA Workstation With NFN Wire PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-W).....	23,859.23	440.26
28 46 21 33-0887 EA Annunciator Flush Box. Mounts One Annunciator Module. (Johnson Controls, Inc. #JABF-1B).....	160.64	11.01
28 46 21 33-0888 EA Annunciator Flush Box. One Module. Attractive Glass Door And Key Lock. (Johnson Controls, Inc. #JABF-1DB).....	180.73	11.01
28 46 21 33-0889 EA Annunciator Flush Box. Mounts Two Annunciator Modules. (Johnson Controls, Inc. #JABF-2B).....	196.80	11.01
28 46 21 33-0890 EA Annunciator Flush Box. Mounts Four Annunciator Modules. (Johnson Controls, Inc. #JABF-4B).....	367.56	11.01
28 46 21 33-0891 EA Annunciator Surface Box. Deep With Trim Cover. (Johnson Controls, Inc. #JABS-1TB).....	119.14	7.34
28 46 21 33-0892 EA Surface (or Semi-flush) Mount Backbox. Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Black. (Johnson Controls, Inc. #JABS-2D).....	186.03	16.51
28 46 21 33-0893 EA Surface (or Semi-flush) Mount Backbox. Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Red. (Johnson Controls, Inc. #JABS-2DR).....	197.55	16.51
28 46 21 33-0894 EA Surface (or Semi-flush) Mount INA, ACS, Or SCS Backbox, Black. (Johnson Controls, Inc. #JABS-4D).....	362.48	16.51
28 46 21 33-0895 EA Audio Command Door For CAB-B4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-B4).....	361.23	7.34
28 46 21 33-0896 EA Audio Command Door For CAB-C4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-C4).....	486.79	7.34
28 46 21 33-0897 EA Audio Command Door For CAB-D4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-D4).....	602.30	7.34
28 46 21 33-0898 EA Addressable Pull Station; With FlashScan. (Johnson Controls, Inc. #JBG-12LX).....	169.95	18.35
28 46 21 33-0899 EA Battery Dress Panel For CAB-4 Series; For Use With The JCPU2-3030, JCPU2-640, JNCA-2, And DVC Systems. (Johnson Controls, Inc. #JBP2-4).....	79.28	7.34
28 46 21 33-0900 EA JCPU2-3030 CPU With 640-character Display; Required For Single Panel (One CPU2-3030) Systems. Includes: CPU, 640-Character Backlit LCD Display, QWERTY Programming And Control Keypad, Installation, Programming And Operating Manuals. Supports One To 10 Signaling Line Circuits (Up To Five LCM-320 And Five LEM-320). Order One Per System Or As Necessary (Up To 103 Network Nodes) For A Networked System. Requires Top Row Of A Cabinet. (Johnson Controls, Inc. #JCPU2-3030D).....	3,354.04	293.51
28 46 21 33-0901 EA Central Processing Unit For The JCPU2-640 With Integral 120 VAC Power Supply, Includes CHS2-M2 Chassis (Johnson Controls, Inc. #JCPU2-640).....	2,421.67	220.14
28 46 21 33-0902 EA Main Board, CPU, IFC3030, DI. (Johnson Controls, Inc. #JCPU-3030D).....	4,351.28	293.51
28 46 21 33-0903 EA Main Board, CPU, IFC640. (Johnson Controls, Inc. #JCPU-640).....	4,176.94	220.14
28 46 21 33-0904 EA Main Board, CPU, IFC640, EUR. (Johnson Controls, Inc. #JCPU-640E).....	3,011.97	220.14
28 46 21 33-0905 EA Digital Voice Command, Extended Memory. (Johnson Controls, Inc. #JDVC-EM).....	1,645.40	27.52
28 46 21 33-0906 EA Digital Voice Command, Extended Memory, Multi-Fiber. (Johnson Controls, Inc. #JDVC-EMF).....	1,662.17	27.52
28 46 21 33-0907 EA Digital Voice Command, Extended Memory, Single-Fiber. (Johnson Controls, Inc. #JDVC-EMSF).....	1,662.17	27.52
28 46 21 33-0908 EA Annunciator, Network Control. (Johnson Controls, Inc. #JNCA).....	1,967.31	36.69

**28 Electronic Safety And Security**

28 40 Life Safety

28 46 Fire Detection And Alarm



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0909 EA Network Control Annunciator-2, 640-characters; On Single Panel (one JCPU2-640) JCPU2-640 Systems, The JNCA-2 Can Be The Primary Display For The Panel And Connects Directly To The JCPU2-640. On Network Systems (Two Or More JCPU2-640's), One Network Display (Either JNCA-2 Or IFW) Is Required For Every System And Each JNCA-2 Connects To And Requires An NCM Network Control Module. Mounts In A Row Of FACP Node Or In Two Annunciator Module Positions. Mounting Options Include: NCA/640-2-Kit (directly Mounting To The CHS2-M2), CA-2, ADP-4B, Or In An Annunciator Box, Such As The ABS-2DB (requires The CHS-2D). (Johnson Controls, Inc. #JNCA-2).....	1,667.46	36.69
28 46 21 33-0910 EA Mass Notification Voice Paging; Requires JNOTIFY-PAA Hardware Package (Sold Separately). (Johnson Controls, Inc. #JNOTIFY-IP).....	1,444.73	220.14
28 46 21 33-0911 EA 160 Character Display Annunciator; For Use With JCPU-3030 And JCPU2-3030. (Johnson Controls, Inc. #LCD-160).....	1,184.94	36.69
28 46 21 33-0912 EA 80 Character LCD Annunciator. Mounts In ABS-1T, ABF-1D, ABF-2D, Or Flush Back Box. (Johnson Controls, Inc. #LCD-80).....	974.97	36.69
28 46 21 33-0913 EA Loop Control Module. Each LCM May Be Expanded To Two Loops By Adding A LEM-320. IFC2- 3030 And IFC-3030 Only. (Johnson Controls, Inc. #LCM-320).....	1,568.41	36.69
28 46 21 33-0914 EA Lamp Driver Annunciator Control Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-32).....	485.42	9.17
28 46 21 33-0915 EA Cable 24": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL24).....	156.30	7.34
28 46 21 33-0916 EA Cable 48": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL48).....	192.46	7.34
28 46 21 33-0917 EA Lamp Driver Annunciator Expander Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-E32).....	391.02	9.17
28 46 21 33-0918 EA Relay Module. 32 Form-A Contacts. Connects To LDM-32 Or LDM-E32. (Johnson Controls, Inc. #LDM-R32).....	717.46	9.17
28 46 21 33-0919 EA Loop Expander Module. Mounts As Daughter Board To LCM-320 To Provide Even Numbered SLC Loops. (Johnson Controls, Inc. #LEM-320).....	1,299.81	9.17
28 46 21 33-0920 EA Addressable Control Module With FlashScan; Configured For One Class A Or Class B NAC. (Johnson Controls, Inc. #M300CJ).....	102.11	9.17
28 46 21 33-0921 EA Addressable Dual Monitor Module; With FlashScan, Two Class B Circuits. (Johnson Controls, Inc. #M300DJ).....	162.58	9.17
28 46 21 33-0922 EA Addressable Monitor Module; With FlashScan; Supervises Either A Class A Or Class B Circuit Of N.D. Dry-contact Input Devices. (Johnson Controls, Inc. #M300MJ).....	80.20	9.17
28 46 21 33-0923 EA Addressable Relay Module With FlashScan; Provides Two Form-C Dry Contacts That Switch Together. (Johnson Controls, Inc. #M300RJ).....	112.46	9.17
28 46 21 33-0924 EA Addressable Mini Module With FlashScan; Supervises A Class B Circuit Of N.D. Dry-contact Devises. (Johnson Controls, Inc. #M301MJ).....	88.67	9.17
28 46 21 33-0925 EA Addressable 2-Wire Detector Monitor Module; With FlashScan. (Johnson Controls, Inc. #M302MJ).....	144.46	9.17
28 46 21 33-0926 EA Addressable Firephone Control Module With Flashscan. (Johnson Controls, Inc. #M500FPJ).....	164.72	9.17
28 46 21 33-0927 EA SLC Loop Isolator Module; Isolates Against Short Circuits On The SLC. (Johnson Controls, Inc. #M500XJ).....	92.98	9.17
28 46 21 33-0928 EA Network INTFC, P2P, Wire. (Johnson Controls, Inc. #MIB-W).....	1,372.88	27.52
28 46 21 33-0929 EA Network Adapter, Fiber. (Johnson Controls, Inc. #NAM-232F).....	1,220.94	18.35
28 46 21 33-0930 EA Network Adapter, Wire. (Johnson Controls, Inc. #NAM-232W).....	1,128.54	18.35
28 46 21 33-0931 EA Plate, Retrofit, NCA-2. (Johnson Controls, Inc. #NCA-2RETRO).....	42.50	3.67
28 46 21 33-0932 EA Network Control Module - Multi Mode Fiber; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, Etc). (Johnson Controls, Inc. #NCM-F).....	987.32	18.35
28 46 21 33-0933 EA Network Control Module - Wire; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, Etc). (Johnson Controls, Inc. #NCM-W).....	940.18	18.35
28 46 21 33-0934 EA NFV-25/50. (Johnson Controls, Inc. #NFV-25/50).....	2,400.06	36.69
28 46 21 33-0935 EA NU-RPT101-1U RS485. (Johnson Controls, Inc. #NU-RPT101-1U).....	666.90	18.35
28 46 21 33-0936 EA Key Switch, Remote Control. (Johnson Controls, Inc. #RKS-S).....	182.41	7.34
28 46 21 33-0937 EA Microphone Assembly For Mounting To An ADP-4 Dress Panel. (Johnson Controls, Inc. #RM-1).....	421.41	18.35
28 46 21 33-0938 EA Microphone Assembly For Mounting In An CAB-RM Cabinet. (Johnson Controls, Inc. #RM-1SA).....	421.41	18.35
28 46 21 33-0939 EA Remote Page Jack. Allows Remote All-Call Paging. (Johnson Controls, Inc. #RPJ-1).....	113.13	7.34
28 46 21 33-0940 EA SA-WBB, Weatherproof. (Johnson Controls, Inc. #SA-WBB).....	30.05	3.67
28 46 21 33-0941 EA SA-WBBC, Weatherproof. (Johnson Controls, Inc. #SA-WBBC).....	30.05	3.67
28 46 21 33-0942 EA Strobe, Standard, 12/24 VDC, Red (Johnson Controls, Inc. #SCR).....	115.31	27.52
28 46 21 33-0943 EA Strobe, HI, 12/24 VDC, Red (Johnson Controls, Inc. #SCRH).....	129.36	27.52
28 46 21 33-0944 EA Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SCRHK).....	152.77	31.19
28 46 21 33-0945 EA Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SCRK).....	150.76	31.19
28 46 21 33-0946 EA Smoke Control Master; Includes Eight On/off/auto Switches. Supports One SCE-8. Includes Manual, Slide-in Labels. Mounts In ADP-4 Or ABS-4D. (Johnson Controls, Inc. #SCS-8).....	1,009.59	73.38
28 46 21 33-0947 EA Smoke Control Lamp Driver. Outputs For 8 On/off/auto Switches With LED's. Intended For Custom Built Smoke Control Stations. Support One SCE-8L. (Johnson Controls, Inc. #SCS-8L).....	788.60	73.38
28 46 21 33-0948 EA Strobe, Standard, 12/24 VDC, White (Johnson Controls, Inc. #SCW).....	115.31	27.52
28 46 21 33-0949 EA Strobe, HI, 12/24 VDC, Red (Johnson Controls, Inc. #SCWH).....	129.36	27.52
28 46 21 33-0950 EA Strobe, Standard, 12/24 VDC, White (Johnson Controls, Inc. #SCW-P).....	115.31	27.52
28 46 21 33-0951 EA Mounting Kit, M300/M500. (Johnson Controls, Inc. #SMB500).....	21.06	7.34
28 46 21 33-0952 EA SMK-MOV Kit-LON. (Johnson Controls, Inc. #SMK-MOVKit-LON).....	23.46	3.67
28 46 21 33-0953 EA SMK-MOV Kit-MSTP. (Johnson Controls, Inc. #SMK-MOVKit-MSTP).....	26.69	3.67
28 46 21 33-0954 EA SPBBS, Wall, Back Box. (Johnson Controls, Inc. #SPBBS).....	23.49	3.67
28 46 21 33-0955 EA Strobe, Standard, 12/24 VDC, Red (Johnson Controls, Inc. #SR).....	105.61	27.52
28 46 21 33-0956 EA Strobe, HI, 12/24 VDC, Red (Johnson Controls, Inc. #SRH).....	129.36	27.52
28 46 21 33-0957 EA Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SRHK).....	152.77	31.19
28 46 21 33-0958 EA Strobe, HI, 12/24 VDC, Red (Johnson Controls, Inc. #SRH-P).....	129.36	27.52
28 46 21 33-0959 EA Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SRK).....	150.76	31.19
28 46 21 33-0960 EA Strobe, Standard, 12/24 VDC, Red (Johnson Controls, Inc. #SR-P).....	115.31	27.52
28 46 21 33-0961 EA Strobe, Standard, 12/24 VDC, White (Johnson Controls, Inc. #SW).....	115.31	27.52
28 46 21 33-0962 EA Strobe, HI, 12/24 VDC, White (Johnson Controls, Inc. #SWH).....	129.36	27.52
28 46 21 33-0963 EA Strobe, HI, 12/24 VDC, White (Johnson Controls, Inc. #SWH-P).....	129.36	27.52
28 46 21 33-0964 EA Strobe, Standard, 12/24 VDC, White (Johnson Controls, Inc. #SW-P).....	115.31	27.52
28 46 21 33-0965 EA Firefighter's Telephone Handset Only. (Johnson Controls, Inc. #TELH-1).....	157.96	9.17
28 46 21 33-0966 EA Universal Digital Alarm Communicator Transmitter. (Johnson Controls, Inc. #UDACT).....	696.89	36.69
28 46 21 33-0967 EA Speaker Strobe, Ceiling, White, 2 W (MAX), Dual Voltage, Multi (Johnson Controls, Inc. #SPSCW).....	170.72	36.69
28 46 21 33-0968 EA Speaker, White, Ceiling Mount. (Johnson Controls, Inc. #SPCW).....	73.14	18.35
28 46 21 33-0969 EA Speaker, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPCWW).....	73.14	18.35
28 46 21 33-0970 EA Speaker Strobe, Red, Ceiling Mount, Standard Candela. (Johnson Controls, Inc. #SPSCR).....	134.03	18.35



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-0971 EA Speaker Strobe, Red, Ceiling Mount, High Candela. (Johnson Controls, Inc. #SPSCRH).....	145.67	18.35
28 46 21 33-0972 EA Speaker Strobe, Red, Ceiling Mount, High Candela, High Db. (Johnson Controls, Inc. #SPSCRVH).....	145.67	18.35
28 46 21 33-0973 EA Speaker Strobe, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPSCWV).....	129.40	18.35
28 46 21 33-0974 EA Speaker Strobe Wall, WP, White, 2W (MAX), Dual Volt, Multi D (Johnson Controls, Inc. #SPSWK).....	176.03	18.35
28 46 21 33-0975 EA Speaker Strobe, Wall, White, Standard Candela. (Johnson Controls, Inc. #SPSW).....	134.03	18.35
28 46 21 33-0976 EA Wall Mount Speaker, White. (Johnson Controls, Inc. #SPW).....	73.14	18.35
28 46 21 33-0977 EA Wall Mount Speaker, Red. (Johnson Controls, Inc. #SPR).....	73.14	18.35
28 46 21 33-0978 EA Speaker Strobe, Wall, White, High Cd. (Johnson Controls, Inc. #SPSWH).....	145.67	18.35
28 46 21 33-0979 EA Speaker Strobe, Wall, Red, High Cd. (Johnson Controls, Inc. #SPSR).....	134.03	18.35
28 46 21 33-0980 EA Speaker Strobe, Wall, Red, High Db, High Candela. (Johnson Controls, Inc. #SPSRV).....	134.03	18.35
<b>28 46 21 33-0981 Honeywell Fire Alarm (28 46 21 33)</b>		
<b>28 46 21 33-0982 Notifier Fire Alarm (28 46 21 33-0981)</b>		
<b>28 46 21 33-0983 Fire Alarm Control Panel And Accessories (28 46 21 33-0982)</b>		
28 46 21 33-0984 EA NFS2-3030 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-3030D).....	3,445.53	366.89
28 46 21 33-0985 EA NFS2-640 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-640).....	2,872.15	366.89
28 46 21 33-0986 EA Black, 120 VAC, Intelligent Fire Alarm Control Panel (Notifier NFS-320).....	3,438.79	366.89
28 46 21 33-0987 EA Supports Installation Of Optional ACM-Series Annunciator In Same Cabinet, Black, 120 VAC, Intelligent Fire Alarm Control Panel (Notifier NFS-320C).....	3,959.02	366.89
28 46 21 33-0988 EA Black, 240 VAC, Intelligent Fire Alarm Control Panel (Notifier NFS-320E).....	3,851.17	366.89
28 46 21 33-0989 EA Red, 120 VAC, Intelligent Fire Alarm Control Panel (Notifier NFS-320R).....	3,851.17	366.89
28 46 21 33-0990 EA Two-Tone Sequential Module (Notifier 2TTM).....	208.89	18.35
28 46 21 33-0991 EA 5', Not Low Loss, Antenna Cable (Notifier 7626-5C).....	63.53	3.67
28 46 21 33-0992 EA 25', Low Loss, Antenna Cable (Notifier 7626-25HC).....	123.44	7.34
28 46 21 33-0993 EA 50', Low Loss, Antenna Cable (Notifier 7626-50HC).....	187.88	11.01
28 46 21 33-0994 EA IPGSM-COM, IPGSM-COMa Handheld Programmer (Notifier 7720P).....	304.52	
28 46 21 33-0995 EA RJ45-DB9F Serial Programming Cable (Notifier ALMSC-119).....	43.50	
28 46 21 33-0996 EA 120VAC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYS).....	3,763.26	366.89
28 46 21 33-0997 EA 240VAC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYSE).....	3,763.26	366.89
28 46 21 33-0998 EA 3 dB Gain External/Remote Antenna (Notifier GSM-ANT3dB).....	162.32	3.67
28 46 21 33-0999 EA Plug In Transformer Box For IPGSM Communicator (Notifier HPTCOVER).....	48.12	3.67
28 46 21 33-1000 EA Mounting Bracket Kit For SFB-5UD, SFB-10UD, NFW2-100 And NFW-50 (Notifier IPBRKT).....	60.00	7.34
28 46 21 33-1001 EA Chassis To Mount IP Communicator In CHSA Series Chassis (Notifier IPCHSKIT).....	67.29	9.17
28 46 21 33-1002 EA IP Communicator (Notifier IPDACT-2).....	540.60	18.35
28 46 21 33-1003 EA IP Communicator With Upload/Download Capability (Notifier IPDACT-2UD).....	631.24	18.35
28 46 21 33-1004 EA Red, IP Communicator External Mounting Enclosure (Notifier IPENC).....	137.29	18.35
Note: Includes IPBRKT.		
28 46 21 33-1005 EA Black, IP Communicator External Mounting Enclosure (Notifier IPENC-B).....	137.29	18.35
Note: Includes IPBRKT.		
28 46 21 33-1006 EA Single Or Dual Path Commercial Fire Communicator (Notifier IPGSM-4G).....	752.90	27.52
28 46 21 33-1007 EA Dual 8TPC To Single 8TPC "Y" Splitter With Two 9" Cables For Combining Panel Phone Jacks To One IPDACT Input (Notifier IPSPLT).....	34.62	7.34
28 46 21 33-1008 EA Loop Control Module (Notifier LCM-320).....	1,204.41	36.69
28 46 21 33-1009 EA Loop Expander Module (Notifier LEM-320).....	1,044.01	36.69
28 46 21 33-1010 EA Keyboard Display Module For CPU2-640 (Notifier KDM-R2).....	915.84	36.69
28 46 21 33-1011 EA 7' DACT Phone Cord (Notifier MCBL-7).....	16.40	
28 46 21 33-1012 EA Backbox For UDACT, With Viewing Window And Optional Relay Mount (Notifier UBS-1).....	132.55	9.17
28 46 21 33-1013 EA Red, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1R).....	150.89	18.35
28 46 21 33-1014 EA Black, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1B).....	150.89	18.35
28 46 21 33-1015 EA Universal Digital Alarm Communicator Transmitter (Notifier UDACT-2).....	603.14	18.35
28 46 21 33-1016 EA Universal Zone Coder (Notifier UZC-256).....	816.13	18.35
28 46 21 33-1017 EA Hardware Kit To Connect UZC-256 To A PC (Notifier UZC-HI).....	248.42	
Note: Includes null modem cable, AC power adapter, and 9-pin to 25-pin converter.		
28 46 21 33-1018 EA Programming Software For ONYX Series Products, DVC And Associated Amplifiers, DVC-RPU And UDACT-2 (Notifier VERIFIRE-TCD).....	523.78	
28 46 21 33-1019 EA ONYX Series Verifire Tools Upgrade (Notifier VERIFIREUG-TCD).....	335.26	
28 46 21 33-1020 EA Central Station Receiver For Fire And Security (Notifier VISORALARM-PLUS).....	3,851.22	11.01
<b>28 46 21 33-1021 ONYX Cabinets (28 46 21 33-0982)</b>		
28 46 21 33-1022 EA Red, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4R).....	350.97	9.17
28 46 21 33-1023 EA Red, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4R).....	470.60	9.17
28 46 21 33-1024 EA Red, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4R).....	581.17	9.17
28 46 21 33-1025 EA Battery Dress Plate For NFS-640 And NFS-3030 (Notifier BP-4).....	82.74	11.01
28 46 21 33-1026 EA Chassis Bridge (Notifier CB-1).....	72.73	9.17
28 46 21 33-1027 EA Four Position Chassis (Notifier CHS-4).....	126.20	9.17
28 46 21 33-1028 EA Low Profile 1st Row Chassis Assembly For CPU-640 / CPU-640E (Notifier CHS-M2).....	125.13	18.35
28 46 21 33-1029 EA Black, Dress Panel Blank, Covers Unused Cabinet Row(s) (Notifier DP-1B).....	64.16	11.01
28 46 21 33-1030 EA Dress Plate For Top Row With CPU2-3030D (Notifier DP-DISP).....	90.90	11.01
28 46 21 33-1031 EA One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4).....	228.57	18.35
28 46 21 33-1032 EA One Tier, "A" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-A4B).....	146.87	18.35
28 46 21 33-1033 EA Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4).....	290.38	27.52
28 46 21 33-1034 EA Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4B).....	181.70	27.52
28 46 21 33-1035 EA Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4).....	432.40	36.69
28 46 21 33-1036 EA Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4B).....	266.76	36.69
28 46 21 33-1037 EA Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4).....	524.94	45.87
28 46 21 33-1038 EA Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4B).....	310.58	45.87
28 46 21 33-1039 EA Black, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4).....	195.08	9.17
28 46 21 33-1040 EA Black, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4B).....	128.92	9.17

**28 Electronic Safety And Security****28 40 Life Safety****28 46 Fire Detection And Alarm**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

28 46 21 33-1041	EA	Red, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4BR) .....	120.76	9.17
28 46 21 33-1042	EA	Red, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4R) .....	195.99	9.17
28 46 21 33-1043	EA	Red, One Tier, "A" Size Blank Door Assembly, Lock And Keys (Notifier DR-A4BR) .....	151.58	9.17
28 46 21 33-1044	EA	Red, One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4R) .....	250.37	9.17
28 46 21 33-1045	EA	Red, Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4BR) .....	171.52	9.17
28 46 21 33-1046	EA	Red, Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4R) .....	302.93	9.17
28 46 21 33-1047	EA	Red, Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4BR) .....	252.18	9.17
28 46 21 33-1048	EA	Red, Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4R) .....	452.48	9.17
28 46 21 33-1049	EA	Red, Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4BR) .....	283.00	9.17
28 46 21 33-1050	EA	Red, Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4R) .....	542.20	9.17
28 46 21 33-1051	EA	Black, Two Tiers, Equipment Backbox Assembly (Notifier EQBB-B4) .....	264.18	18.35
28 46 21 33-1052	EA	Black, Three Tiers, Equipment Backbox Assembly (Notifier EQBB-C4) .....	389.25	18.35
28 46 21 33-1053	EA	Black, Four Tiers, Equipment Backbox Assembly (Notifier EQBB-D4) .....	460.85	18.35
28 46 21 33-1054	EA	Black, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4) .....	284.12	18.35
28 46 21 33-1055	EA	Black, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4) .....	417.34	18.35
28 46 21 33-1056	EA	Black, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4) .....	487.13	18.35
28 46 21 33-1057	EA	Red, Two Tiers, Equipment Backbox Assembly (Notifier EQBB-B4R) .....	264.18	18.35
28 46 21 33-1058	EA	Red, Three Tiers, Equipment Backbox Assembly (Notifier EQBB-C4R) .....	389.25	18.35
28 46 21 33-1059	EA	Red, Four Tiers, Equipment Backbox Assembly (Notifier EQBB-D4R) .....	460.85	18.35
28 46 21 33-1060	EA	Red, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4R) .....	284.12	18.35
28 46 21 33-1061	EA	Red, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4R) .....	417.34	18.35
28 46 21 33-1062	EA	Red, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4R) .....	487.13	18.35
28 46 21 33-1063	EA	Backbox With Door For ONYX Firstvision™ (Notifier FIRSTVISION-ENC) .....	2,442.36	91.72
28 46 21 33-1064	EA	CAB-4 Series Mounting Kit (Notifier P40-KITB) .....	240.61	18.35
		Note: Includes chassis, hinged dress plate, and mounting hardware.		
28 46 21 33-1065	EA	Black, One Tier Backbox Assembly (Notifier SBB-A4) .....	237.49	55.03
28 46 21 33-1066	EA	Black, Two Tier Backbox Assembly (Notifier SBB-B4) .....	334.88	73.38
28 46 21 33-1067	EA	Black, Three Tier Backbox Assembly (Notifier SBB-C4) .....	436.06	73.38
28 46 21 33-1068	EA	Black, Four Tier Backbox Assembly (Notifier SBB-D4) .....	531.22	91.72
28 46 21 33-1069	EA	Black, Mini, One Tier, Backbox (Notifier SBB-AA4) .....	150.89	18.35
28 46 21 33-1070	EA	Red, Mini, One Tier, Backbox (Notifier SBB-AA4R) .....	150.89	18.35
28 46 21 33-1071	EA	Red, One Tier Backbox Assembly (Notifier SBB-A4R) .....	190.76	18.35
28 46 21 33-1072	EA	Red, Two Tier Backbox Assembly (Notifier SBB-B4R) .....	264.18	18.35
28 46 21 33-1073	EA	Red, Three Tier Backbox Assembly (Notifier SBB-C4R) .....	386.53	18.35
28 46 21 33-1074	EA	Red, Four Tier Backbox Assembly (Notifier SBB-D4R) .....	457.22	18.35
28 46 21 33-1075	EA	Trim Ring For NFS-320 Cabinet (Notifier TR-320) .....	141.65	11.01
28 46 21 33-1076	EA	Red, Trim Ring For NFS-320 Cabinet (Notifier TR-320R) .....	141.65	11.01
28 46 21 33-1077	EA	Black, "AA" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-AA4) .....	186.97	11.01
28 46 21 33-1078	EA	Black, "A" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-A4) .....	151.62	11.01
28 46 21 33-1079	EA	Black, "B" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-B4) .....	151.62	11.01
28 46 21 33-1080	EA	Black, "C" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-C4) .....	149.81	11.01
28 46 21 33-1081	EA	Black, "D" Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-D4) .....	153.44	11.01
28 46 21 33-1082	EA	2" Filler Dress Plate For ADP-4B Installed In The Top Row Of A CAB-4 Series Backbox (Notifier VP-2B) .....	58.73	11.01
28 46 21 33-1083	EA	Wire Trays For Routing Wire In A CAB-4 Series Backbox (Notifier WC-2) .....	39.51	3.67

**28 46 21 33-1084 NFS2-3030/640 Cabinet Mechanicals** (28 46 21 33-0982)

28 46 21 33-1085	EA	Dress Plate For Middle Rows With CPU2-640 (Notifier ADP2-640) .....	76.74	11.01
28 46 21 33-1086	EA	Blank Module Dress Plate (Notifier BM-1B) .....	63.99	11.01
28 46 21 33-1087	EA	Battery Dress Plate For NFS2-3030, NFS2-640, NCA-2 And DVC System (Notifier BP2-4) .....	72.24	11.01
28 46 21 33-1088	EA	Four Position Expansion Chassis (Notifier CHS-4MB) .....	189.64	9.17
28 46 21 33-1089	EA	Standard 1st Row Chassis Assembly For CPU-3030 (Notifier CHS-M3) .....	162.96	27.52
28 46 21 33-1090	EA	Dress Plate For Top Row With CPU2-640 (Notifier DP-DISP2) .....	79.73	11.01

**28 46 21 33-1091 NFS-3030/640 Cabinet Mechanicals** (28 46 21 33-0982)

28 46 21 33-1092	EA	Annunciator Dress Plate (Notifier ADP-4B) .....	72.99	11.01
28 46 21 33-1093	EA	Blank Module Dress Plate (Notifier BMP-1) .....	46.75	11.01
28 46 21 33-1094	EA	Low Profile Four Position Chassis For AA-30 Or LDM (Notifier CHS-4L) .....	103.77	18.35
28 46 21 33-1095	EA	Module Dress Plate (Notifier MP-1B) .....	73.74	11.01

**28 46 21 33-1096 Battery Cabinets** (28 46 21 33-0982)

28 46 21 33-1097	EA	Six Position Chassis (Notifier CHS-6) .....	68.39	18.35
28 46 21 33-1098	EA	Black, 24" x 14" x 7-3/4" Battery Backbox (Notifier NFS-LBB) .....	330.43	55.03

**28 46 21 33-1099 Digital Voice** (28 46 21 33-0982)

28 46 21 33-1100	EA	Chassis Used With BB-XP (Notifier 18439) .....	36.93	9.17
28 46 21 33-1101	EA	220 VAC, 100 Watts, 70.7 VRMS, Tone Generator, Audio Amplifier (Notifier AA-100E) .....	1,662.84	27.52
28 46 21 33-1102	EA	220 VAC, 120 Watts, 25 VRMS, Tone Generator, Audio Amplifier (Notifier AA-120E) .....	1,615.71	27.52
28 46 21 33-1103	EA	220 VAC, 30 Watts, 25 VRMS Audio Amplifier (Notifier AA-30E) .....	770.12	27.52
28 46 21 33-1104	EA	Black, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4) .....	330.10	27.52
28 46 21 33-1105	EA	Black, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4) .....	447.39	36.69
28 46 21 33-1106	EA	Black, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4) .....	557.17	45.87
28 46 21 33-1107	EA	Multimode Audio Fiber Link Receiver (Notifier AFL-RM) .....	680.18	18.35
28 46 21 33-1108	EA	Single Mode Audio Fiber Link Receiver (Notifier AFL-RS) .....	1,514.90	18.35
28 46 21 33-1109	EA	Multimode Audio Fiber Link Transmitter (Notifier AFL-TM) .....	680.18	18.35
28 46 21 33-1110	EA	Single Mode Audio Fiber Link Transmitter (Notifier AFL-TS) .....	1,514.90	18.35
28 46 21 33-1111	EA	15" x 8-3/8" x 3-3/8", Flush Or Surface Mounted Backbox (Notifier AFAWS-BX) .....	81.34	9.17



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1112	EA		Flush Mounted, Key Lock, Door (Notifier AFAWS-KR).....	133.45	9.17
28 46 21 33-1113	EA		Surface Mounted, Key Lock, Door (Notifier AFAWS-KS).....	135.72	9.17
28 46 21 33-1114	EA		Flush Mounted, Latch Style Lock, Door (Notifier AFAWS-LR).....	133.91	9.17
28 46 21 33-1115	EA		Surface Mounted, Latch Style Lock, Door (Notifier AFAWS-LS).....	135.72	9.17
28 46 21 33-1116	EA		Armored Coil Cord, Telephone Chassis (Notifier AFAWS-TELA).....	260.34	9.17
28 46 21 33-1117	EA		Coil Cord, Telephone Chassis (Notifier AFAWS-TELC).....	210.94	9.17
28 46 21 33-1118	EA		Hammer Attached To Chain, Breakglass Insert (Notifier BRKG-B).....	57.19	
28 46 21 33-1119	EA		For 25 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-25V).....	453.60	18.35
28 46 21 33-1120	EA		For 70 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-70V).....	453.60	18.35
28 46 21 33-1121	EA		Blank Dress Plate For CA-2 (Notifier BP-CA2).....	76.35	9.17
28 46 21 33-1122	EA		One Tier Chassis For Digital Voice Command Panel (Notifier CA-1).....	90.66	18.35
28 46 21 33-1123	EA		Two Tier Chassis For Digital Voice Command Panel, With MIC-1 (Notifier CA-2).....	275.39	27.52
28 46 21 33-1124	EA		Black, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RM).....	156.32	18.35
28 46 21 33-1125	EA		Red, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RMR).....	156.32	18.35
28 46 21 33-1126	EA		Chassis, Phone Well, TELH-1 And Hardware (Notifier CFFT-1).....	185.11	9.17
28 46 21 33-1127	EA		Chassis With Paging Microphone With Well (Notifier CMIC-1).....	213.21	9.17
28 46 21 33-1128	EA		120 VAC, 50 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025).....	1,114.50	18.35
28 46 21 33-1129	EA		Multi-Mode Fiber-Optic Media 50 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025F).....	1,077.14	18.35
28 46 21 33-1130	EA		Single-Mode Fiber-Optic Media 50 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025SF).....	1,077.14	18.35
28 46 21 33-1131	EA		120 VAC, 50 Watts, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070).....	1,160.48	18.35
28 46 21 33-1132	EA		Multi-Mode Fiber-Optic Media 50 Watts, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070F).....	1,171.73	18.35
28 46 21 33-1133	EA		120 VAC, 75 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525).....	1,194.70	18.35
28 46 21 33-1134	EA		Single-Mode Fiber-Optic Media 75 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF).....	1,408.19	18.35
28 46 21 33-1135	EA		Single-Mode Fiber-Optic Media 75 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF).....	1,408.19	18.35
28 46 21 33-1136	EA		220-240 VAC, 50 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA2-5025E).....	1,339.98	18.35
28 46 21 33-1137	EA		220-240 VAC, 50 Watts, 70 VRMS Digital Audio Amplifier (Notifier DAA2-5070E).....	1,383.48	18.35
28 46 21 33-1138	EA		220-240 VAC, 75 Watts, 25 VRMS Digital Audio Amplifier (Notifier DAA2-7525E).....	1,436.95	18.35
28 46 21 33-1139	EA		120 VAC, 35 Watts, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525).....	914.91	18.35
28 46 21 33-1140	EA		220-240 VAC, 35 Watts, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525E).....	914.91	18.35
28 46 21 33-1141	EA		120 VAC, 35 Watts, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570).....	973.82	18.35
28 46 21 33-1142	EA		220-240 VAC, 35 Watts, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570E).....	973.82	18.35
28 46 21 33-1143	EA		120 VAC, 50 Watts, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025).....	1,011.89	18.35
28 46 21 33-1144	EA		220-240 VAC, 50 Watts, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025E).....	1,011.89	18.35
28 46 21 33-1145	EA		120 VAC, 50 Watts, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070).....	1,070.80	18.35
28 46 21 33-1146	EA		220-240 VAC, 50 Watts, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070E).....	1,070.80	18.35
28 46 21 33-1147	EA		Dress Plate For CFFT-1 (Notifier DP-CFFT).....	89.04	9.17
28 46 21 33-1148	EA		Dress Panel For One Tier Chassis For Digital Voice Command Panel (Notifier DPA-1).....	69.24	11.01
28 46 21 33-1149	EA		Dress Panel For One Tier Chassis For Digital Voice Command Panel, Supports Keypad (Notifier DPA-1A4).....	79.73	11.01
28 46 21 33-1150	EA		Dress Panel For Two Tier Chassis For Digital Voice Command Panel (Notifier DPA-2B).....	135.95	11.01
28 46 21 33-1151	EA		WPS Power Amplifier (Notifier DPA3204P).....	535.17	18.35
28 46 21 33-1152	EA		WPS Power Amplifier (Notifier DPA4001P).....	449.07	18.35
28 46 21 33-1153	EA		Modem Interface For Direct Wire (No Dial-Up Capabilities) For Interconnecting Panels (Notifier DPI-232).....	952.07	18.35
28 46 21 33-1154	EA		120 VAC, 125 Watts, 25 VRMS Digital Series Amplifier (Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V) (Notifier DS-AMP).....	716.43	18.35
28 46 21 33-1155	EA		220-240 VAC, 125 Watts, 25 VRMS Digital Series Amplifier (Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V) (Notifier DS-AMPE).....	716.43	18.35
28 46 21 33-1156	EA		Digital Series Distribution Board, Supports One To Four DS-Amp Or DS-AMPE (Notifier DS-DB).....	1,214.91	18.35
28 46 21 33-1157	EA		125 Watts, 25 VRMS DS Series Backup Amplifier Board (Can Be Converted To 70 VRMS, 100 Watts Amplifier With A DS-XF70V) (Notifier DS-BDA).....	489.85	18.35
28 46 21 33-1158	EA		Converts One DAX Or DAA2 DAL Port To Multi-Mode Fiber, Fiber Option Module (Notifier DS-FM).....	245.14	18.35
28 46 21 33-1159	EA		Converts One DAX Or DAA2 Port To ST Style Multi-Mode Fiber (For Connection To DVC-EMF Or DAA-XXXF Series Amplifier), Fiber Option Module (Notifier DS-RFM).....	245.14	18.35
28 46 21 33-1160	EA		Converts One DAX Or DAA2 DAL Port To Single-Mode Fiber, Fiber Option Module (Notifier DS-SFM).....	245.14	18.35
28 46 21 33-1161	EA		Converts DS-AMP, DS-AMPE, Or DS-BDA To 70 VRMS, 100 Watts, DS Series Transformer (Notifier DS-XF70V).....	100.13	18.35
28 46 21 33-1162	EA		Analog Output Board For Digital Voice Command (Notifier DVC-AO).....	197.84	18.35
28 46 21 33-1163	EA		Extended Memory For Digital Voice Command (Notifier DVC-EM).....	1,123.49	18.35
28 46 21 33-1164	EA		Keypad For Digital Voice Command (Notifier DVC-KD).....	331.96	36.69
28 46 21 33-1165	EA		Replacement Microphone For NFC-50/100, NFC-LOC, NFC-RPU And NFC-RM (Notifier ECC-MICROPHONE).....	190.42	
28 46 21 33-1166	EA		Fire Fighters Telephone Control With Master Handset (Notifier FFT-7).....	1,354.87	36.69
28 46 21 33-1167	EA		Portable Fireman's Telephone Handset (Notifier FHS).....	121.08	
28 46 21 33-1168	EA		Red, Fireman's Telephone Handset (Notifier FHS-F).....	121.08	
28 46 21 33-1169	EA		Recessed, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-R).....	333.06	18.35
28 46 21 33-1170	EA		Surface Mounted, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-S).....	333.06	18.35
28 46 21 33-1171	EA		Fireman's Phone Jack On A Single Gang Plate (Notifier FPJ).....	53.61	5.50
28 46 21 33-1172	EA		Paging Microphone Only (Notifier MIC-1).....	134.88	18.35
28 46 21 33-1173	EA		Firefighter's Telephone Handset (Notifier TELH-1).....	133.32	
28 46 21 33-1174	EA		Remote Microphone Assembly For Mounting On An ADP-4 Dress Plate (Notifier RM-1).....	328.25	18.35
28 46 21 33-1175	EA		Remote Microphone Assembly For Mounting In A Stand Alone Cabinet (Notifier RM-1SA).....	328.25	18.35
28 46 21 33-1176			<b>Amplifiers</b> (28 46 21 33-0982)		
28 46 21 33-1177	EA		30 Watt Audio Amplifier At 25 VRMS, 120 VAC (Notifier AA-30).....	628.06	18.35
28 46 21 33-1178	EA		100 Watt Audio Amplifier At 70.7 VRMS, 120 VAC, Tone Generator (Notifier AA-100).....	1,366.34	18.35
28 46 21 33-1179	EA		120 Watt Audio Amplifier At 25 VRMS, 120 VAC, Tone Generator (Notifier AA-120).....	1,327.36	18.35
28 46 21 33-1180	EA		Audio Coupling Transformer (Notifier ACT-1).....	98.90	18.35
28 46 21 33-1181	EA		Audio Coupling Transformer For Analog Amplifiers (Notifier ACT-2).....	115.39	18.35
28 46 21 33-1182	EA		Audio Coupling Transformer For DVC-AO (Notifier ACT-4).....	115.39	18.35
28 46 21 33-1183	EA		Audio Coupling Transformer For DAA-5025 (Notifier ACT-25).....	115.39	18.35
28 46 21 33-1184	EA		Audio Coupling Transformer For DAA-5070 (Notifier ACT-70).....	115.39	18.35



**28 Electronic Safety And Security****28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
<b>28 46 21 33-1185</b>		<b>FireVoice-25/50 Emergency Voice Evacuation Control Panels</b> (28 46 21 33-0982)			
28 46 21 33-1186	EA	25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50).....	2,913.99		366.89
28 46 21 33-1187	EA	Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50DA).....	2,057.98		366.89
28 46 21 33-1188	EA	Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel Used With NFV-25/50ZS (Notifier NFV-25/50DAZS).....	2,672.79		366.89
28 46 21 33-1189	EA	Zoned System 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZS).....	3,476.78		366.89
28 46 21 33-1190	EA	Zoned System With Telephone 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZST).....	3,845.66		366.89
<b>28 46 21 33-1191</b>		<b>System Printer</b> (28 46 21 33-0982)			
28 46 21 33-1192	EA	80 Column, 120 VAC, Desktop Printer (Notifier PRN-6).....	1,357.34		18.35
<b>28 46 21 33-1193</b>		<b>Batteries</b> (28 46 21 33-0982)			
28 46 21 33-1194	EA	5 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-1250-BP).....	449.97		18.35
28 46 21 33-1195	EA	7 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-1270-BP).....	293.03		18.35
28 46 21 33-1196	EA	12 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-12120-BP).....	384.47		18.35
28 46 21 33-1197	EA	18 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-12180-BP).....	225.57		18.35
28 46 21 33-1198	EA	26 Amp Hour, 12 VDC, Sealed Battery Pack (Notifier BAT-12260-BP).....	314.01		18.35
28 46 21 33-1199	EA	55 Amp Hour, 12 VDC, Sealed Battery (Notifier BAT-12550).....	313.26		18.35
28 46 21 33-1200	EA	100 Amp Hour, 12 VDC, Sealed Battery (Notifier BAT-121000).....	496.75		18.35
<b>28 46 21 33-1201</b>		<b>Battery Backboxes And Miscellaneous Mechanicals</b> (28 46 21 33-0982)			
28 46 21 33-1202	EA	14-1/2" x 8-1/4" x 4-3/4", Holds Up To Two BAT-12180 Batteries, Battery Backbox (Notifier BB-17).....	110.01		14.68
28 46 21 33-1203	EA	24" x 12.55" x 5.218", Mounts Up To Six XP6 Boards Or ACPS-610, Cabinet (Notifier BB-25).....	173.45		14.68
		Note: XP6 modules require a CHS-6.			
28 46 21 33-1204	EA	15.6" x 15.5" x 5.152", Mounts Up To Two 26 Amp Hour And Charger, Battery Backbox (Notifier BB-26).....	265.17		73.38
28 46 21 33-1205	EA	Holds Up To Two BAT-12120 12 Amp Hour Batteries, Battery Holder (Notifier CHS-BH).....	137.73		36.69
28 46 21 33-1206	EA	Holds Up To Two BAT-12120 12 Amp Hour Batteries, Battery Holder (Notifier CHS-BH1).....	66.39		9.17
28 46 21 33-1207	EA	Battery Bracket For Two 26 Amp Hour Batteries (Notifier SEISKIT-BB25).....	191.58		14.68
28 46 21 33-1208	EA	Two 26 Amp Hour Battery Bracket Seismic Kit For CAB-4 Series Cabinets (Notifier SEISKIT-CAB).....	147.17		14.68
28 46 21 33-1209	EA	Two 12 Amp Hour Battery Bracket Seismic Kit For DAX, DAA, And DAA2 Series Amplifiers (Notifier SEISKIT-DAA).....	163.49		14.68
28 46 21 33-1210	EA	Two 55 Amp Hour Battery Bracket Seismic Kit For NFS-LBB (Notifier SEISKIT-LBB).....	177.99		14.68
<b>28 46 21 33-1211</b>		<b>Power Supplies And Chargers</b> (28 46 21 33-0982)			
28 46 21 33-1212	EA	120 VAC, 6 Or 10 Amps, Addressable Charging Power Supply (Notifier ACPS-610).....	1,142.61		27.52
28 46 21 33-1213	EA	220/240 VAC, 6 Or 10 Amps, Addressable Charging Power Supply (Notifier ACPS-610E).....	1,142.61		27.52
28 46 21 33-1214	EA	Addressable Power Supply, 120 VAC For NFS-3030, NFS2-3030 And NCA-2 (Notifier AMPS-24).....	957.85		18.35
28 46 21 33-1215	EA	6A Auxiliary Power Supply (Notifier APS-6R).....	578.67		18.35
28 46 21 33-1216	EA	10 Amp Battery Charger (Notifier BC10A).....	716.64		27.52
28 46 21 33-1217	EA	33.34" x 22.5" x 7.5", Holds Four 55 Amp Hour Or Two 100 Amp Hour Batteries, For NFS-3030 Or NFS2-3030, Combination Power Supply And Battery Enclosure (Notifier BB-100).....	419.25		22.02
28 46 21 33-1218	EA	33.34" x 22.5" x 7.5", Holds Four 55 Amp Hour Or Two 100 Amp Hour Batteries, For NFS-3030 Or NFS2-3030, Red, Combination Power Supply And Battery Enclosure (Notifier BB-100R).....	419.25		22.02
28 46 21 33-1219	EA	30.34" x 36.5" x 7.5", Holds Four 55 Amp Hour Or Four 100 Amp Hour Batteries, For NFS2-3030, Combination Power Supply And Battery Enclosure (Notifier BB-200).....	606.85		22.02
28 46 21 33-1220	EA	30.34" x 36.5" x 7.5", Holds Four 55 Amp Hour Or Four 100 Amp Hour Batteries, For NFS2-3030, Red, Combination Power Supply And Battery Enclosure (Notifier BB-200R).....	606.85		22.02
28 46 21 33-1221	EA	15.218" x 14.5" x 3.562" ACPS Stand-Alone Cabinet (Notifier CAB-PS1).....	107.38		18.35
28 46 21 33-1222	EA	25 To 120 Amp Hour Battery Charger (Notifier CHG-120).....	738.99		18.35
28 46 21 33-1223	EA	Mounts XPIQ-Ps And/Or CHS-BH In A CAB-3/4 Row, Also Mount One ACPS-610 In CAB-3 Row, Chassis Assembly (Notifier CHS-PS).....	61.85		9.17
28 46 21 33-1224	EA	Replacement Door Used For Mounting ACPS-610 (E) In A CAB-PS1 Cabinet When Replacing ACPS-2406 (Notifier DR-PS1).....	99.92		9.17
28 46 21 33-1225	EA	8.0 Amps, 120 VAC Remote Charger Power Supply (Notifier FCPS-24S8).....	490.90		18.35
28 46 21 33-1226	EA	8.0 Amps, 240 VAC Remote Charger Power Supply (Notifier FCPS-24S8E).....	659.30		55.03
28 46 21 33-1227	EA	Red, 8.0 Amps, 240 VAC Remote Charger Power Supply (Notifier FCPS-24S8R).....	659.30		55.03
28 46 21 33-1228	EA	8 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPFF8).....	756.28		55.03
28 46 21 33-1229	EA	8 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPFF8E).....	756.28		55.03
28 46 21 33-1230	EA	Chassis Mounted, 8 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPFF8CM).....	734.77		27.52
28 46 21 33-1231	EA	Chassis Mounted, 8 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPFF8CME).....	734.77		27.52
28 46 21 33-1232	EA	12 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPFF12).....	893.38		27.52
28 46 21 33-1233	EA	12 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPFF12E).....	893.38		27.52
28 46 21 33-1234	EA	Chassis Mounted, 12 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPFF12CM).....	927.82		55.03
28 46 21 33-1235	EA	Chassis Mounted, 12 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPFF12CME).....	927.82		55.03
28 46 21 33-1236	EA	6 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPF24S6).....	627.58		55.03
28 46 21 33-1237	EA	6 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPF24S6E).....	627.58		55.03
28 46 21 33-1238	EA	8 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPF24S8).....	679.24		55.03
28 46 21 33-1239	EA	8 Amp, 24 VDC, 220 VAC, NAC Fire Alarm Power Supply (Notifier HPF24S8E).....	679.24		55.03
28 46 21 33-1240	EA	6 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPF602ULADA).....	540.57		55.03
28 46 21 33-1241	EA	9 Amp, 24 VDC, 120 VAC, NAC Fire Alarm Power Supply (Notifier HPF902ULADA).....	642.08		55.03
28 46 21 33-1242	EA	Class A Adapter HPFF8/HPFF12 (Notifier HPP31076).....	131.64		9.17
28 46 21 33-1243	EA	Main Power Supply And Charger, Up To 3 Amps (Notifier MPS-24A).....	840.67		18.35
28 46 21 33-1244	EA	Class A (Style Y) NAC Option Module For FCPS-2406 And FCPS-2408 (Notifier ZNAC-4).....	149.07		18.35
<b>28 46 21 33-1245</b>		<b>Network Control Annunciators</b> (28 46 21 33-0982)			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1246 EA Network Control Annunciator For NFS2-3030, NFS-3030, NFS-320, NFS-640 And NFS2-640 (Notifier NCA-2).....	1,346.78	55.03
28 46 21 33-1247 EA Retro-Fit Plate For Mounting NCA2 (Notifier NCA-2RETRO) .....	52.75	11.01
28 46 21 33-1248 EA Kit For Mounting NCA-2 To CHS-M2 (Notifier NCA/640-2-Kit) .....	38.51	11.01
<b>28 46 21 33-1249 FIRSTVISION Firefighter's Display</b> (28 46 21 33-0982)		
28 46 21 33-1250 EA Replacement ONYX Firstvision™ Touchscreen Assembly (Notifier FIRSTVISION-LCD) .....	10,461.79	366.89
<b>28 46 21 33-1251 FlashScan Addressable Modules</b> (28 46 21 33-0982)		
28 46 21 33-1252 EA Intelligent Addressable Control Module (Notifier FCM-1).....	118.39	18.35
28 46 21 33-1253 EA Addressable Dual Monitor Module (Notifier FDM-1) .....	131.88	18.35
28 46 21 33-1254 EA Intelligent Addressable Monitor Module (Notifier FMM-1) .....	98.90	18.35
28 46 21 33-1255 EA Intelligent Addressable Miniature Monitor Module (Notifier FMM-101) .....	88.41	18.35
28 46 21 33-1256 EA Intelligent Addressable 4 - 20mA Analog Input Module (Notifier FMM-4-20) .....	179.10	18.35
28 46 21 33-1257 EA Intelligent Addressable Relay Module (Notifier FRM-1) .....	113.89	18.35
28 46 21 33-1258 EA Intelligent Addressable 2-Wire Detector Monitor Module (Notifier FZM-1).....	148.37	18.35
28 46 21 33-1259 EA SLC Loop Powered Fault Isolator Module (Notifier ISO-X).....	97.40	18.35
<b>28 46 21 33-1260 Addressable Device Bases And Accessories</b> (28 46 21 33-0982)		
28 46 21 33-1261 EA Intelligent Detector Base With Flange (Notifier B710LP) .....	36.32	9.17
28 46 21 33-1262 EA Weatherproof Device Housing (Notifier DH400OE-1).....	299.77	18.35
<b>28 46 21 33-1263 XP6/XP10 Transponder</b> (28 46 21 33-0982)		
28 46 21 33-1264 EA Synchronization Daughter Module For XP6-C (Notifier SYNC-1) .....	88.03	18.35
28 46 21 33-1265 EA Six Circuit Supervised Control Module (Notifier XP6-C) .....	429.44	18.35
28 46 21 33-1266 EA Six Zone Intelligent To Conventional Interface Module (Notifier XP6-MA).....	519.38	18.35
28 46 21 33-1267 EA Six Relay Control Module (Notifier XP6-R) .....	412.95	18.35
28 46 21 33-1268 EA Ten Input Monitor Module (Notifier XP10-M) .....	496.90	18.35
<b>28 46 21 33-1269 LCD Display Annunciators</b> (28 46 21 33-0982)		
28 46 21 33-1270 EA 80 Character LCD Fire Annunciator For FireWarden-100-2, NFS-640, NFS2-640 And NFS-320 (Notifier FDU-80) .....	556.03	55.03
28 46 21 33-1271 EA 80 Character LCD Annunciator For NFS-640, NFS-3030, NFS2-640, NFS2-3030 And NFS-320 (Notifier LCD-80).....	777.14	55.03
28 46 21 33-1272 EA 640 Character LCD Annunciator For NFS-3030 And NFS2-3030 (Notifier LCD-160).....	804.13	55.03
28 46 21 33-1273 EA 8 To 16 Switch Smoke Control Expander (Notifier SCE-8).....	629.42	18.35
28 46 21 33-1274 EA 8 To 16 Switch Smoke Control Lamp Driver Expander (Notifier SCE-8L) .....	331.24	18.35
28 46 21 33-1275 EA Eight Switch Smoke Control Master Module (Notifier SCS-8).....	819.75	18.35
<b>28 46 21 33-1276 ONYX ACM And AEM Series LED Annunciators</b> (28 46 21 33-0982)		
28 46 21 33-1277 EA Remote, Eight Form C Relay Module (Notifier ACM-8R) .....	366.59	18.35
28 46 21 33-1278 EA 16 Alarm LEDs, 16 Trouble LEDs, 16 Controls Switches, Annunciator Control Module (Notifier ACM-16AT).....	568.10	18.35
28 46 21 33-1279 EA 16 Alarm LEDs, 16 Trouble LEDs, 16 Control Switches, Annunciator Expander Module (Notifier AEM-16AT) .....	435.43	18.35
28 46 21 33-1280 EA 24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Control Module (Notifier ACM-24AT) .....	568.10	18.35
28 46 21 33-1281 EA 24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Expander Module (Notifier AEM-24AT) .....	435.43	18.35
28 46 21 33-1282 EA 32 Alarm LEDs And 1 Trouble LED, Control Module (Notifier ACM-32A) .....	435.43	18.35
28 46 21 33-1283 EA 32 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-32A) .....	390.46	18.35
28 46 21 33-1284 EA 48 Alarm And 1 Trouble LED Annunciator Control Module (Notifier ACM-48A).....	435.43	18.35
28 46 21 33-1285 EA 48 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-48A) .....	390.46	18.35
<b>28 46 21 33-1286 Graphic Annunciator - Lamp Driver Modules</b> (28 46 21 33-0982)		
28 46 21 33-1287 EA Single Annunciator Flush Mounted Backbox (Notifier ABF-1B) .....	182.81	36.69
28 46 21 33-1288 EA Single Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-1DB).....	198.55	36.69
28 46 21 33-1289 EA Two Annunciator Flush Mounted Backbox (Notifier ABF-2B) .....	228.88	45.87
28 46 21 33-1290 EA Two Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-2DB).....	249.12	45.87
28 46 21 33-1291 EA Four Annunciator Flush Mounted Backbox (Notifier ABF-4B).....	399.74	64.20
28 46 21 33-1292 EA Annunciator Blank Plate Used With ACM-32A/ACM-16AT (Notifier ABM-1) .....	71.11	11.01
28 46 21 33-1293 EA Single Annunciator Surface Mounted Backbox (Notifier ABS-1B) .....	118.73	36.69
28 46 21 33-1294 EA Single Annunciator Surface Mounted Backbox With Trim (Notifier ABS-1TB) .....	117.14	9.17
28 46 21 33-1295 EA Two Annunciator Surface Mounted Backbox (Notifier ABS-2B).....	147.58	36.69
28 46 21 33-1296 EA 12" x 12" x 3-3/4" Surface Or Semi-Flush Mount Backbox (Notifier ABS-2D).....	259.61	45.87
28 46 21 33-1297 EA Red, Surface (Or Semi-Flush) Mounted Backbox For ACS Annunciators, SCS Series, NCA And NCA-2 (Notifier ABS-2DR).....	221.37	9.17
28 46 21 33-1298 EA Black, 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4D).....	419.97	64.20
28 46 21 33-1299 EA Red, 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4DR) .....	374.58	11.01
28 46 21 33-1300 EA Black, 9-15/16" x 4-5/8" x 2-1/2" Surface Backbox (Notifier ABS-8RB) .....	140.83	14.68
28 46 21 33-1301 EA Annunciator Key Switch (Notifier AKS-1B).....	69.92	5.50
28 46 21 33-1302 EA Chassis Used To Mount NCA-2 In ABS-2D (Notifier CHS-2D) .....	68.54	18.35
28 46 21 33-1303 EA 32 Alarm Lamp Driver Annunciator Control Module (Notifier LDM-32) .....	390.46	18.35
28 46 21 33-1304 EA 24" Lamp Driver Annunciator Cable (Notifier LDM-CBL24) .....	136.94	3.67
28 46 21 33-1305 EA 48" Lamp Driver Annunciator Cable (Notifier LDM-CBL48) .....	171.38	3.67
28 46 21 33-1306 EA 32 Alarm Lamp Driver Annunciator Expander Module (Notifier LDM-E32) .....	322.26	18.35
28 46 21 33-1307 EA Lamp Driver Module (Notifier LDM-R32) .....	670.21	18.35
28 46 21 33-1308 EA Eight Switch Smoke Control Lamp Driver Master Module (Notifier SCS-8L) .....	621.27	18.35
28 46 21 33-1309 EA 48" Cable Assembly For Smoke Control Lamp Driver (Notifier SCS8L-CBL48).....	174.10	3.67
28 46 21 33-1310 EA Black, Trim Ring For ABS-2D Cabinet (Notifier TR-ABS2D).....	139.84	11.01

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1311	EA		Black, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4D)	84.56	11.01
28 46 21 33-1312	EA		Red, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4DR)	84.56	11.01
<b>28 46 21 33-1313</b>			<b>Network Gateways (28 46 21 33-0982)</b>		
28 46 21 33-1314	EA		Common Alerting Protocol Gateway (Notifier CAP-GW)	2,529.07	18.35
28 46 21 33-1315	EA		PC Version, Receivers Gateway (Notifier DACR-GW)	1,976.21	18.35
28 46 21 33-1316	EA		Fiber-Optic Cable Interface (Multi-Mode), High-Speed Network Communications Module (Notifier HS-NCM-MF)	1,885.58	18.35
28 46 21 33-1317	EA		Fiber-Optic Cable Interface (Multi-Mode Fiber To Single-Mode Fiber), High-Speed Network Communications Module (Notifier HS-NCM-MFSF)	2,112.16	18.35
28 46 21 33-1318	EA		Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-SF)	2,347.81	18.35
28 46 21 33-1319	EA		Twisted-Pair Wire Interface, High-Speed Network Communications Module (Notifier HS-NCM-W)	1,794.95	18.35
28 46 21 33-1320	EA		Wire And Fiber-Optic Cable Interface, High-Speed Network Communications Module (Multi-Mode) (Notifier HS-NCM-WMF)	1,840.27	18.35
28 46 21 33-1321	EA		Wire And Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-WSF)	2,071.38	18.35
28 46 21 33-1322	EA		Modbus Gateway (Notifier MODBUS-GW)	1,976.21	18.35
28 46 21 33-1323	EA		22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW)	2,404.86	12.11
28 46 21 33-1324	EA		Capacitive Touch-Screen, 22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW-TS)	3,591.23	12.11
28 46 21 33-1325	EA		1920x1080P Wide Screen (Notifier MON-42LCDW)	11,422.75	12.11
28 46 21 33-1326	EA		Single Monitor, Wall Mounted, Horizontal, Tilt, Bracket (Notifier MON-42HORZ-SD)	453.81	27.52
28 46 21 33-1327	EA		Single Monitor, Vertical Mounted, Bracket (Notifier MON-42VERT-SD)	839.00	27.52
28 46 21 33-1328	EA		Dual Monitors, Vertical Wall Mounted, Fixed Position, Bracket (Notifier MON-42VERT-DD)	1,228.71	27.52
28 46 21 33-1329	EA		Mass Notification Voice Paging (Notifier NOTIFY-IP)	951.64	
28 46 21 33-1330	EA		Non UL Listed Applications, Mass Notification Voice Paging (Notifier NOTIFY-IP-NOUL)	951.64	
28 46 21 33-1331	EA		Embedded NFN Gateway (Notifier NFN-GW-EM)	1,640.66	18.35
28 46 21 33-1332	EA		NFN Gateway PC Card With Fiber (Notifier NFN-GW-PC-F)	1,640.66	18.35
28 46 21 33-1333	EA		High Speed NFN Gateway PC Card For Multimode Fiber (Included With ONYXworks-HNMF) (Notifier NFN-GW-PC-HNMF)	2,882.53	18.35
28 46 21 33-1334	EA		High Speed NFN Gateway PC Card For Single Mode Fiber (Included With ONYXworks-HNSF) (Notifier NFN-GW-PC-HNSF)	3,362.88	18.35
28 46 21 33-1335	EA		High Speed NFN Gateway PC Card For Wire (Included With ONYXworks-HNW) (Notifier NFN-GW-PC-HNW)	2,882.53	18.35
28 46 21 33-1336	EA		NFN Gateway PC Card With Wire (Notifier NFN-GW-PC-W)	1,640.66	18.35
28 46 21 33-1337	EA		E-Mail Option For ONYXworks (Notifier ONYX-NOTIFY)	951.64	
28 46 21 33-1338	EA		Alpha-Numeric Pager Option For ONYXworks (Notifier ONYX-PAGER)	951.64	
28 46 21 33-1339	EA		ONYXWorks Workstation (Notifier ONYXWORKS-WS)	17,621.66	440.26
28 46 21 33-1340	EA		Fiber Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NW) Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.	3,772.03	
28 46 21 33-1341	EA		Wired Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NF) Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.	3,772.03	
28 46 21 33-1342	EA		Fiber Optics, Standard Network Repeater Board (Notifier RPT-F)	872.32	18.35
28 46 21 33-1343	EA		Wire, Standard Network Repeater Board (Notifier RPT-W)	706.46	18.35
28 46 21 33-1344	EA		Wire To Fiber Optics, Standard Network Repeater Board (Notifier RPT-WF)	848.75	18.35
28 46 21 33-1345	EA		Signaling Line Circuit Integration Module (Notifier SLC-IM)	938.48	18.35
28 46 21 33-1346	EA		VESDA Gateway That Provides A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VESDA-HLI-GW)	1,976.21	18.35
28 46 21 33-1347	EA		Vesda™ High Level Interface Card Used With SLC-IM And Vesda-HLI-GW To Provide A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VHX-1420-HFS)	1,631.81	18.35
28 46 21 33-1348	EA		Windows 7 Hard Drive Upgrade (Notifier WIN7-UG-US-3)	1,812.64	
<b>28 46 21 33-1349</b>			<b>NOTI-FIRE-NET Network Components (28 46 21 33-0982)</b>		
28 46 21 33-1350	EA		Interface Between NOTI-FIRE-NET 50 And BACnet (Notifier BACNET-GW-3)	1,640.66	18.35
28 46 21 33-1351	EA		Fiber Optic Network Communications Module (Notifier NCM-F)	731.49	18.35
28 46 21 33-1352	EA		NOTI-FIRE-NET Web Server (Notifier NWS)	1,640.66	18.35
28 46 21 33-1353	EA		Wired Network Communications Module (Notifier NCM-W)	697.02	18.35
28 46 21 33-1354	EA		Fiber Optic Converter Module Mounting Kit (Notifier SMF-Kit)	76.99	9.17
<b>28 46 21 33-1355</b>			<b>FireWarden Addressable Fire Panels (28 46 21 33-0982)</b>		
28 46 21 33-1356	EA		50 Point, Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW-50)	1,449.56	366.89
28 46 21 33-1357	EA		Black, One SLC Loop, 120 VAC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100)	1,715.64	366.89
28 46 21 33-1358	EA		Black, One DC Loop, 120 VAC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100C)	1,921.05	183.44
28 46 21 33-1359	EA		Black, One SLC Loop, 240 VAC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100E)	1,921.05	183.44
28 46 21 33-1360	EA		Red, One SLC Loop, 120 VAC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100R)	1,921.05	183.44
<b>28 46 21 33-1361</b>			<b>FireWarden Accessories (28 46 21 33-0982)</b>		
28 46 21 33-1362	EA		Intelligent Multicriteria Photo/Thermal Detector With Base (Notifier NP-A100)	144.76	27.52
28 46 21 33-1363	EA		Intelligent Addressable Photo/Thermal Detector With Base (Notifier NP-100T)	143.85	27.52
<b>28 46 21 33-1364</b>			<b>FireWarden Devices (28 46 21 33-0982)</b>		
28 46 21 33-1365	EA		SLC Loop Powered Fault Isolator Module (Notifier N100-ISO)	96.65	18.35
28 46 21 33-1366	EA		Intelligent Addressable Control Module (Notifier NC-100)	114.64	18.35



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1367 EA Intelligent Addressable Relay Module (Notifier NC-100R) .....	110.14	18.35
28 46 21 33-1368 EA Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector (Notifier ND-100) .....	271.63	27.52
28 46 21 33-1369 EA Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector With DPDT Relay (Notifier ND-100R) .....	328.38	27.52
28 46 21 33-1370 EA Two Zone Intelligent Addressable, Two Wire Detector Monitor Module (Notifier NDM-100) .....	110.14	18.35
28 46 21 33-1371 EA Intelligent Addressable Thermal Detector With Base (Notifier NH-100).....	113.49	27.52
28 46 21 33-1372 EA Intelligent Addressable High Temperature Thermal Detector With Base (Notifier NH-100H) .....	113.49	27.52
28 46 21 33-1373 EA Intelligent Addressable Rate-Of-Rise Thermal Detector With Base (Notifier NH-100R) .....	113.49	27.52
28 46 21 33-1374 EA Intelligent Addressable Ionization Smoke Detector With Base (Notifier NI-100).....	152.47	27.52
28 46 21 33-1375 EA Intelligent Addressable Monitor Module (Notifier NMM-100) .....	95.15	18.35
28 46 21 33-1376 EA Intelligent Addressable Mini Monitor Module (Notifier NMM-100P).....	86.53	18.35
28 46 21 33-1377 EA Intelligent Addressable Manual Pull Station (Notifier NOT-BG12LX).....	128.51	18.35
28 46 21 33-1378 EA Intelligent Addressable Photoelectric Smoke Alarm Detector With Base (Notifier NP-100) .....	118.74	27.52
28 46 21 33-1379 EA Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100) .....	143.87	18.35
28 46 21 33-1380 EA Six Zone Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100-6) .....	507.39	18.35
<b>28 46 21 33-1381 SFP-2402 And SFP-2404 2 And 4-Zone Control Panels And Accessories</b> <small>(28 46 21 33-0982)</small>		
28 46 21 33-1382 EA 120 VAC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402).....	961.78	293.51
28 46 21 33-1383 EA 120 VAC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404) .....	1,058.47	293.51
28 46 21 33-1384 EA 240 VAC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFB-2402E) .....	820.05	91.72
28 46 21 33-1385 EA 240 VAC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFB-2404E) .....	936.97	91.72
28 46 21 33-1386 EA Class A Converter Module (Notifier CAC-4).....	298.62	18.35
28 46 21 33-1387 EA Optional Internal Dress Panel For SFB-2402 And SFB-2404 Only (Notifier DP-3-B) .....	98.15	11.01
28 46 21 33-1388 EA Internal Dress Plate, Required For FM And ULC (Notifier DP-4X).....	99.96	11.01
28 46 21 33-1389 EA Remote Zone Annunciator (Notifier RZA-4X).....	140.22	27.52
<b>28 46 21 33-1390 SFP-5UD 5 Zone Control Panels And Accessories</b> <small>(28 46 21 33-0982)</small>		
28 46 21 33-1391 EA 120 VAC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFP-5UD).....	1,479.54	366.89
28 46 21 33-1392 EA 120 VAC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDC) .....	2,478.27	275.17
28 46 21 33-1393 EA 240 VAC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDE) .....	1,635.56	183.44
28 46 21 33-1394 EA Red, 120 VAC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDR) .....	1,635.56	183.44
28 46 21 33-1395 EA Class A Converter Module (Notifier N-CAC-5X) .....	298.62	18.35
28 46 21 33-1396 EA Red, Trim Ring For NFW2-100, NFW-50, SFB-5UD, SFB-10UD, RP-2001, RP-2002 Cabinet (Notifier TR-CE) .....	117.18	11.01
<b>28 46 21 33-1397 SFP-10UD 10 Zone Control Panels And Accessories</b> <small>(28 46 21 33-0982)</small>		
28 46 21 33-1398 EA 120 VAC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDC).....	3,021.89	366.89
28 46 21 33-1399 EA 240 VAC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDE) .....	2,259.84	275.17
28 46 21 33-1400 EA 120 VAC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFP-10UD) .....	1,689.41	366.89
28 46 21 33-1401 EA Red, 120 VAC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDR).....	2,626.73	366.89
28 46 21 33-1402 EA Four Channel, Dual Line, Stand Alone Fire Alarm Communicator (Fire-Lite 411UDAC) .....	430.86	55.03
<b>28 46 21 33-1403 Smoke Detectors</b> <small>(28 46 21 33-0982)</small>		
28 46 21 33-1404 EA Intelligent Addressable Beam Smoke Detector (Notifier FSB-200).....	1,296.91	36.69
28 46 21 33-1405 EA Intelligent Addressable Beam Smoke Detector With Remote Test Feature (Notifier FSB-200S).....	1,478.18	36.69
28 46 21 33-1406 EA Low Profile Intelligent Addressable Ionization Smoke Detector (Notifier FSI-851).....	162.96	27.52
28 46 21 33-1407 EA Intelligent Addressable Laser Smoke Detector (Notifier FSL-751).....	272.39	27.52
28 46 21 33-1408 EA Intelligent Addressable Laser Duct Smoke Detector (Notifier FSL-751D).....	811.72	27.52
28 46 21 33-1409 EA Low Profile Intelligent Addressable Photoelectric Smoke Detector (Notifier FSP-851).....	132.23	27.52
28 46 21 33-1410 EA Remote Test Capable, Low Profile Intelligent Addressable Photoelectric Smoke Detector (Notifier FSP-851R).....	151.10	27.52
28 46 21 33-1411 EA Intelligent Addressable Thermal Detector (Notifier FST-851) .....	109.75	27.52
28 46 21 33-1412 EA Intelligent Addressable High Temperature Thermal Detector (Notifier FST-851H) .....	109.75	27.52
28 46 21 33-1413 EA Intelligent Addressable Rate-Of-Rise Thermal Detector (Notifier FST-851R).....	109.75	27.52
28 46 21 33-1414 EA Remote Test Capable Intelligent Addressable Photo Detector (Notifier NP-100R).....	134.79	27.52
Note: For use with DNR(W) duct detector housing.		
28 46 21 33-1415 EA Filters For Harsh Detector (Notifier RF-FTX) .....	16.10	
28 46 21 33-1416 EA Key Activated Remote Test Station For Duct Smoke Detector (Notifier RTS151KEY) .....	98.71	18.35
<b>28 46 21 33-1417 Pull Stations</b> <small>(28 46 21 33-0982)</small>		
28 46 21 33-1418 EA Trim Ring For NBG12 Series Pull Station (Notifier BG12TR) .....	23.65	3.67
28 46 21 33-1419 EA One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Backbox (Notifier BG-2) .....	50.98	9.17
28 46 21 33-1420 EA Red, One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Backbox (Notifier BG-2R) .....	50.98	9.17
28 46 21 33-1421 EA Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1).....	67.96	18.35
28 46 21 33-1422 EA DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1F).....	74.76	18.35
28 46 21 33-1423 EA Terminal Switch, DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1FTS) .....	101.49	18.35
28 46 21 33-1424 EA Red Body, Silver Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1R) .....	67.96	18.35
28 46 21 33-1425 EA Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TS) .....	77.93	18.35
28 46 21 33-1426 EA Standard "Local" Style Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TSL).....	77.93	18.35
28 46 21 33-1427 EA Terminal Strip, Red Body, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1TSR).....	77.93	18.35
28 46 21 33-1428 EA Red Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1) .....	73.85	18.35
28 46 21 33-1429 EA Red Body, Silver Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1R) .....	79.74	18.35

**28 Electronic Safety And Security****28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1430	EA		Hazardous, Non-Hazardous, Weatherproof, Harsh Locations Fire Alarm Pull Station (Notifier HAZ-WP-PULL).....	610.48	22.02
28 46 21 33-1431	EA		Red, Single Action Fire Alarm Pull Station (Notifier NBG-12S).....	61.28	18.35
28 46 21 33-1432	EA		Red, Dual Action Fire Alarm Pull Station (Notifier NBG-12).....	80.95	18.35
28 46 21 33-1433	EA		Red, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12L).....	67.61	18.35
28 46 21 33-1434	EA		Red, Outdoor, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LOB).....	152.71	22.02
28 46 21 33-1435	EA		Red, Presignal, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LPS).....	101.95	18.35
28 46 21 33-1436	EA		Red, Agent Releasing, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LR).....	88.80	18.35
28 46 21 33-1437	EA		Addressable Manual Dual Action Fire Alarm Pull Station (Notifier NBG-12LX).....	129.26	18.35
28 46 21 33-1438	EA		Pull Station Trim Plate For New York City, For Use With All NBG Series Pull Stations (Notifier NY-PLATE).....	37.25	3.67
<b>28 46 21 33-1439</b>			<b>Rate Compensation Heat Detectors (28 46 21 33-0982)</b>		
28 46 21 33-1440	EA		135 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-135).....	120.99	27.52
28 46 21 33-1441	EA		194 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-194).....	120.99	27.52
<b>28 46 21 33-1442</b>			<b>FM Series Door Releases (28 46 21 33-0982)</b>		
28 46 21 33-1443	EA		1/2" Door Holder Spacer (Notifier FM900-50).....	20.00	5.50
28 46 21 33-1444	EA		3/4" Door Holder Spacer (Notifier FM900-75).....	20.00	5.50
28 46 21 33-1445	EA		1" Door Holder Spacer (Notifier FM900-100).....	20.00	5.50
28 46 21 33-1446	EA		Door Holder Extension Kit (Notifier FM900).....	21.13	5.50
28 46 21 33-1447	EA		90 Degree Door Holder Extension Kit (Notifier FM900-Z).....	21.50	5.50
28 46 21 33-1448	EA		Floor Mounted, 12VDC, 24VAC/DC Or 120VAC, Door Holder (Notifier FM980).....	145.72	27.52
28 46 21 33-1449	EA		Surface Mounted, 12VDC, 24VAC/DC Or 120VAC, Door Holder (Notifier FM996).....	126.98	27.52
28 46 21 33-1450	EA		Recessed Mounted, Concealed Wiring, 12VDC, 24VAC/DC Or 120VAC, Door Holder (Notifier FM998).....	126.98	27.52
<b>28 46 21 33-1451</b>			<b>Multicriteria Fire Detector (28 46 21 33-0982)</b>		
28 46 21 33-1452	EA		Intelligent Addressable Combination Multi-Criteria Fire/Carbon Monoxide Detector With Flashscan (Notifier FCO-851).....	254.42	27.52
28 46 21 33-1453	EA		Intelligent Addressable Multicriteria Fire Detector (Notifier FSC-851)..... Note: Detects fire, thermal, photo, CO and IR, with Flashscan.	234.48	27.52
28 46 21 33-1454	EA		Low Profile Intelligent Addressable Photoelectric Smoke Detector With Built-In 135°F Fixed Temperature Thermal Device (Notifier FSP-851T).....	149.29	27.52
<b>28 46 21 33-1455</b>			<b>Modules (28 46 21 33-0982)</b>		
28 46 21 33-1456	EA		Intelligent Addressable Dual Monitor/Dual Relay Module (Notifier FDRM-1).....	293.18	18.35
28 46 21 33-1457	EA		Addressable Firephone Control Module (Notifier FTM-1).....	170.83	18.35
<b>28 46 21 33-1458</b>			<b>DH Series Door Releases (28 46 21 33-0982)</b>		
28 46 21 33-1459	EA		Semi-Flush, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120FPC).....	140.22	27.52
28 46 21 33-1460	EA		Semi-Flush, Plated Brass, Electromagnetic Door Holder (Notifier DH24120FB).....	149.65	27.52
28 46 21 33-1461	EA		Semi-Flush, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120FD).....	159.26	27.52
28 46 21 33-1462	EA		Surface Mounted, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120SPC).....	156.54	27.52
28 46 21 33-1463	EA		Surface Mounted, Plated Brass, Electromagnetic Door Holder (Notifier DH24120SB).....	164.69	27.52
28 46 21 33-1464	EA		Surface Mounted, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120SPD).....	171.04	27.52
28 46 21 33-1465	EA		Recessed, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120WPC).....	140.22	27.52
28 46 21 33-1466	EA		Recessed, Plated Brass, Electromagnetic Door Holder (Notifier DH24120WB).....	149.29	27.52
28 46 21 33-1467	EA		Recessed, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120WD).....	159.26	27.52
28 46 21 33-1468	EA		Floor Mounted, Single Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC1).....	181.01	27.52
28 46 21 33-1469	EA		Floor Mounted, Single Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB1).....	193.70	27.52
28 46 21 33-1470	EA		Floor Mounted, Single Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD1).....	208.20	27.52
28 46 21 33-1471	EA		Floor Mounted, Double Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC2).....	211.82	27.52
28 46 21 33-1472	EA		Floor Mounted, Double Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB2).....	226.32	27.52
28 46 21 33-1473	EA		Floor Mounted, Double Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD2).....	244.45	27.52
28 46 21 33-1474	EA		.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE.5PC).....	16.04	3.67
28 46 21 33-1475	EA		.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE.5B).....	16.04	3.67
28 46 21 33-1476	EA		.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE.5D).....	17.49	3.67
28 46 21 33-1477	EA		1" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1PC).....	16.04	3.67
28 46 21 33-1478	EA		1" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1B).....	16.04	3.67
28 46 21 33-1479	EA		1" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1D).....	17.49	3.67
28 46 21 33-1480	EA		1.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5PC).....	17.13	3.67
28 46 21 33-1481	EA		1.5" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5APC).....	17.13	3.67
28 46 21 33-1482	EA		1.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1.5B).....	17.49	3.67
28 46 21 33-1483	EA		1.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1.5D).....	18.58	3.67
28 46 21 33-1484	EA		2" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2PC).....	18.58	3.67
28 46 21 33-1485	EA		2" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2APC).....	18.58	3.67
28 46 21 33-1486	EA		2" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE2B).....	19.12	3.67
28 46 21 33-1487	EA		2" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE2D).....	19.48	3.67
28 46 21 33-1488	EA		3" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE3PC).....	19.48	3.67
28 46 21 33-1489	EA		3" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE3B).....	20.57	3.67
28 46 21 33-1490	EA		3" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE3D).....	20.57	3.67
28 46 21 33-1491	EA		4" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4PC).....	20.93	3.67
28 46 21 33-1492	EA		4" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4APC).....	20.93	3.67
28 46 21 33-1493	EA		4" Adjustable Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE4AB).....	21.84	3.67



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				28 46 21 33-1494 EA 4" Adjustable Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE4AD).....	24.56	3.67
				28 46 21 33-1495 EA 5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE5PC).....	21.84	3.67
				28 46 21 33-1496 EA 5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE5B).....	22.93	3.67
				28 46 21 33-1497 EA 5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE5D).....	24.56	3.67
				28 46 21 33-1498 EA Catch Plate, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHCPD).....	22.43	5.50
				28 46 21 33-1499 EA Catch Plate, Plated Brass For Electromagnetic Door Holder (Notifier DHCPB).....	23.15	5.50
				28 46 21 33-1500 EA Catch Plate, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHCPD).....	25.51	5.50
				28 46 21 33-1501 EA Swivel Base, Powder Coated Chrome, For Electromagnetic Door Holder (Notifier DHSBPC).....	42.37	5.50
				28 46 21 33-1502 EA Swivel Base, Plated Brass, For Electromagnetic Door Holder (Notifier DHSBB).....	45.27	5.50
				28 46 21 33-1503 EA Swivel Base, Powder Coated Dark Bronze, For Electromagnetic Door Holder (Notifier DHSBD).....	48.17	5.50
				28 46 21 33-1504 EA Surface Mounted Backbox, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHBBC).....	37.93	9.17
				28 46 21 33-1505 EA Surface Mounted Backbox, Plated Brass For Electromagnetic Door Holder (Notifier DHBBC).....	40.10	9.17
				28 46 21 33-1506 EA Surface Mounted Backbox, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHBBD).....	43.18	9.17
				28 46 21 33-1507 EA Swivel Base Mounting Drill Fixture For Electromagnetic Door Holder (Notifier DHDF).....	244.71	
				28 46 21 33-1508 EA Two Piece Extension Wrench (Notifier DHW).....	2.72	
<b>28 46 21 33-1509</b>				<b>First Command</b> (28 46 21 33-0982)		
				28 46 21 33-1510 EA Black, 120 VAC, 50 Watts, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100).....	4,382.11	458.61
				28 46 21 33-1511 EA Black, 220-240 VAC, 50 Watts, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100E).....	4,382.11	458.61
				28 46 21 33-1512 EA Black, 120 VAC, 50 Watts, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DA).....	1,276.02	36.69
				28 46 21 33-1513 EA Black, 220-240 VAC, 50 Watts, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DAE).....	1,276.02	36.69
				28 46 21 33-1514 EA Black, 120 VAC, 125 Watts, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DA).....	2,356.36	36.69
				28 46 21 33-1515 EA Black, , 220-240 VAC, 125 Watts, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DAE).....	2,356.36	36.69
				28 46 21 33-1516 EA 50 Watts, 25 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25 Volt).....	512.51	18.35
				28 46 21 33-1517 EA 50 Watts, 70 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70 Volt).....	512.51	18.35
				28 46 21 33-1518 EA Circuit Expander Module For NFC-50/125DA(E), Four Additional Class A/B Speaker Circuits (Notifier NFC-CE4).....	345.75	18.35
				28 46 21 33-1519 EA Circuit Expander Module For NFC-50/100(E), Six Additional Class A/B Speaker Circuits (Notifier NFC-CE6).....	489.85	18.35
				28 46 21 33-1520 EA Standalone Firefighter Telephone System (Notifier NFC-FFT).....	1,737.34	36.69
				Note: Includes onboard SLC supports up to 24 monitor modules, built-in handset, black.		
				28 46 21 33-1521 EA Local Operator Console (Notifier NFC-LOC).....	1,679.34	36.69
				Note: Includes built-in microphone, message and zone control switches, black.		
				28 46 21 33-1522 EA Black, Remote Microphone (Notifier NFC-RM).....	491.31	
				28 46 21 33-1523 EA Remote Page Unit (Notifier NFC-RPU).....	1,415.60	36.69
				Note: Includes built-in microphone, message control switches, black.		
				28 46 21 33-1524 EA Remote Telephone Zone Module (Notifier NFC-RTZM).....	649.36	18.35
				28 46 21 33-1525 EA 70 V Conversion Module For NFC-50/100 (Notifier NFC-XRM-70V).....	260.55	18.35
				28 46 21 33-1526 EA Firefighters Phone Jack (Notifier N-FPJ).....	121.58	5.50
				28 46 21 33-1527 EA Thumbatch Option For NFC-LOC And NFC-RPU (Notifier THUMBLTCH).....	32.76	5.50
				28 46 21 33-1528 EA Black, Trim Ring For NFC-RPU Cabinet (Notifier TR-6-B).....	102.68	11.01
<b>28 46 21 33-1529</b>				<b>LED Displays</b> (28 46 21 33-0982)		
				28 46 21 33-1530 EA 2.1" x 27" Programmable LED Indoor Display (Notifier ALPHA-215).....	1,176.93	22.02
				28 46 21 33-1531 EA Instant And Integrated Emergency Notification System (Notifier LEDSIGN-GW).....	1,998.22	29.35
				28 46 21 33-1532 EA 4" x 45-1/2" Programmable LED Array, Mass Notification Device (Notifier MEGADOT).....	2,052.60	29.35
				28 46 21 33-1533 EA 8 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL8).....	1,372.86	29.35
				28 46 21 33-1534 EA 16 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL16).....	2,097.92	29.35
				28 46 21 33-1535 EA LED Sign, Instant And Integrated Emergency Notification System (Notifier OAX2-24V).....	2,052.60	29.35
<b>28 46 21 33-1536</b>				<b>Control Relays</b> (28 46 21 33-0982)		
				28 46 21 33-1537 EA Single SPDT Relay With LED With Metal Backbox And Red Plastic Cover (Notifier MR-101/CR).....	49.16	9.17
				28 46 21 33-1538 EA Single SPDT Relay With LED With Track Mounting Hardware (Notifier MR-101/T).....	38.29	9.17
				28 46 21 33-1539 EA Four Position SPDT Relay With LEDs With Metal Backbox And Red Plastic Cover (Notifier MR-104/CR).....	130.95	18.35
				28 46 21 33-1540 EA Four Position SPDT Relay With LED With Track Mounting Hardware (Notifier MR-104/T).....	81.79	9.17
				28 46 21 33-1541 EA Four Position DSPDT Relay With LED With Track Mounting Hardware (Notifier MR-204/T).....	98.11	9.17
				28 46 21 33-1542 EA 24 VDC, 30 Amp Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-13C).....	116.45	18.35
				28 46 21 33-1543 EA 120 VAC, 30 Amp Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-14C).....	116.45	18.35
				28 46 21 33-1544 EA Single DPDT Relay With LED With Metal Backbox And Red Plastic Cover (Notifier MR-201/CR).....	71.13	18.35
				28 46 21 33-1545 EA Single DPDT Relay With LED With Track Mounting Hardware (Notifier MR-201/T).....	41.46	9.17
				28 46 21 33-1546 EA Four Position DPDT Relay With LEDs With Metal Backbox And Red Plastic Cover (Notifier MR-204/CR).....	149.98	18.35
				28 46 21 33-1547 EA 24 VDC/24 VAC/115 VAC, 10 Amp, Form C, Multi-Voltage Relay Module (Notifier PAM-1).....	51.19	18.35
				28 46 21 33-1548 EA 12/24 VDC, 7 Amp, Form C, Multi-Voltage Relay Module (Notifier PAM-2).....	51.19	18.35
				28 46 21 33-1549 EA 9 To 40 VDC, 10 Amp, Form C, Multi-Voltage Relay Module (Notifier PAM-4).....	51.19	18.35
<b>28 46 21 33-1550</b>				<b>Gamewell-FCI Fire Control Instruments</b> (28 46 21 33-0982)		
<b>28 46 21 33-1551</b>				<b>7100 Series And NetSOLO®</b> (28 46 21 33-1550)		
<b>28 46 21 33-1552</b>				<b>7100 Compact Analog Addressable Fire Alarm Control Panels</b> (28 46 21 33-1551)		
				28 46 21 33-1553 EA Enclosure With Metal Door (Gamewell-FCI 7100-ENCL-M).....	664.64	220.14
				28 46 21 33-1554 EA Basic Systems Kit, 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2).....	2,843.26	366.89

**28 Electronic Safety And Security****28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1555	EA		Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2D).....	3,104.42	366.89
28 46 21 33-1556	EA		Basic Systems Kit, 2 Signaling Line Circuits (SLC), 240 VAC (Gamewell-FCI BK-7100-2-E).....	2,843.26	366.89
28 46 21 33-1557	EA		Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC), 240 VAC (Gamewell-FCI BK-7100-2D-E).....	3,104.42	366.89
28 46 21 33-1558	EA		Replacement Board For 7100-1D (Gamewell-FCI BSM-7100-1).....	878.02	36.69
28 46 21 33-1559	EA		Replacement Board For 7100-2 (Gamewell-FCI BSM-7100-1D).....	1,052.74	36.69
28 46 21 33-1560	EA		Analog Loop Unit (Gamewell-FCI ALU).....	1,052.74	36.69
<b>28 46 21 33-1561</b>			<b>NetSOLO® Intelligent Network</b> (28 46 21 33-1551)		
28 46 21 33-1562	EA		Intelligent Network Interface Module, Fiber Optic (Gamewell-FCI INI-7100-FO).....	1,167.69	36.69
			Note: Mounted in 7100 panel.		
28 46 21 33-1563	EA		Intelligent Network Interface Module, Unshielded Twisted Pair (Gamewell-FCI INI-7100-UTP).....	927.68	36.69
			Note: Mounted in 7100 panel.		
<b>28 46 21 33-1564</b>			<b>Components And Accessories</b> (28 46 21 33-1551)		
28 46 21 33-1565	EA		Remote Serial Annunciator, LCD Display (Gamewell-FCI LCD-7100).....	575.52	27.52
28 46 21 33-1566	EA		Remote LED Driver Module, Outputs For Remote Panel Switches And 33 Remote LEDs (Gamewell-FCI LDM-7100).....	437.54	36.69
28 46 21 33-1567	EA		Fiber Optic Line Driver Module (Gamewell-FCI FLD-1).....	802.61	36.69
28 46 21 33-1568	EA		Class "A" Optional Module For Both Signaling Line Circuits (SLC) (Gamewell-FCI CAOM).....	323.51	36.69
28 46 21 33-1569	EA		Replacement Enclosure Box (Gamewell-FCI EN-7100).....	263.54	73.38
28 46 21 33-1570	EA		Serial Printer (Order RJAA To Db25 Connector Separately) (Gamewell-FCI P7200-TR-2).....	838.57	18.35
<b>28 46 21 33-1571</b>			<b>E3 Series® Basic System</b> (28 46 21 33-1550)		
28 46 21 33-1572	EA		Intelligent Loop Interface, Mother Board (Gamewell-FCI ILI-MB-E3).....	772.48	36.69
28 46 21 33-1573	EA		Intelligent Loop Interface, Supplemental (Gamewell-FCI ILI-S-E3).....	664.32	36.69
28 46 21 33-1574	EA		Intelligent Loop Interface, Mother Board, XP95 Protocol (Gamewell-FCI ILI95-MB-E3).....	772.48	36.69
28 46 21 33-1575	EA		Intelligent Loop Interface, Supplemental, XP95 Protocol (Gamewell-FCI ILI95-S-E3).....	664.32	36.69
28 46 21 33-1576	EA		LCD Keypad Display (Gamewell-FCI LCD-E3).....	491.03	36.69
28 46 21 33-1577	EA		Power Supply Module (Gamewell-FCI PM-9).....	643.43	36.69
28 46 21 33-1578	EA		Transponder 9 Ampere Power Supply (Gamewell-FCI PM-9 INX).....	541.37	36.69
28 46 21 33-1579	EA		Power Supply And Charger, 120/220 VAC (Gamewell-FCI PM-9G 9A).....	535.47	18.35
28 46 21 33-1580	EA		Digital Alarm Communication Transmitter (Gamewell-FCI DACT-E3).....	307.75	36.69
28 46 21 33-1581	EA		Network Repeater, Fiber Optic (Gamewell-FCI RPT-E3-FO).....	824.57	36.69
28 46 21 33-1582	EA		Network Repeater, Unshielded Twisted Pair (Gamewell-FCI RPT-E3-UTP).....	690.85	36.69
28 46 21 33-1583	EA		Local Operating Console (Gamewell-FCI 1100-0455).....	461.46	27.52
28 46 21 33-1584	EA		Network Graphic Annunciator (Gamewell-FCI 1100-0505).....	1,487.54	27.52
28 46 21 33-1585	EA		70.7 VRMS Audio Output Series Amplifier Module (Gamewell-FCI AM-50-70).....	590.34	36.69
28 46 21 33-1586	EA		INI-VGE-UTP Classic Enabled Voice Gateway Module (Gamewell-FCI 1100-1326).....	1,799.18	36.69
28 46 21 33-1587	EA		8-1/4" Wide x 10" High x 4-1/2" Deep Cabinet (Gamewell-FCI E3BB-BAA1).....	415.67	73.38
28 46 21 33-1588	EA		C Size, Black, Command Center Enclosure (Gamewell-FCI E3BB-BC/INCC).....	306.01	73.38
28 46 21 33-1589	EA		Double Size, Blank, Inner Door Panel (Gamewell-FCI E3-BP).....	67.15	18.35
28 46 21 33-1590	EA		Programmable Switch Module (Gamewell-FCI ASM-16).....	413.66	36.69
28 46 21 33-1591	EA		LED Driver module (Gamewell-FCI ANU-48).....	413.66	36.69
28 46 21 33-1592	EA		Network Graphic Annunciator (Gamewell-FCI NGA).....	1,246.41	27.52
<b>28 46 21 33-1593</b>			<b>Addressable Devices, Module, Pulls And Accessories</b> (28 46 21 33-1550)		
<b>28 46 21 33-1594</b>			<b>Velociti® Series Sensors And Bases</b> (28 46 21 33-1593)		
28 46 21 33-1595	EA		Analog Addressable Plug-In Ionization Smoke Sensor (Gamewell-FCI ASD-IL2F).....	130.44	27.52
28 46 21 33-1596	EA		Analog Addressable Plug-In Photoelectric Smoke Sensor (Gamewell-FCI ASD-PL2F).....	133.20	27.52
28 46 21 33-1597	EA		Analog Addressable Plug-In Photoelectric Smoke Sensor With 135 Degree F Fixed Temperature Thermal Sensing (Gamewell-FCI ASD-PTL2F).....	141.47	27.52
28 46 21 33-1598	EA		Addressable Plug-In Thermal Sensor, 15 Degree F Rate Of Rise, 135 Degree F (Gamewell-FCI ATD-RL2F).....	108.37	27.52
28 46 21 33-1599	EA		Addressable Plug-In Thermal Sensor, 190 Degree F (Gamewell-FCI ATD-HL2F).....	112.96	27.52
28 46 21 33-1600	EA		Addressable Plug-In Thermal Sensor, 135 Degree F (Gamewell-FCI ATD-L2F).....	108.37	27.52
28 46 21 33-1601	EA		Addressable Plug-In Multi-Criteria Analog Sensor (Gamewell-FCI MCS-ACCLIMATE2F).....	160.78	27.52
28 46 21 33-1602	EA		Analog Addressable Laser Smoke Sensor, Low Profile (Gamewell-FCI ASD-LS).....	353.90	27.52
28 46 21 33-1603	EA		Analog Addressable Low Flow Photoelectric Smoke Duct Detector Without Relay (Gamewell-FCI ADPF).....	298.63	45.87
28 46 21 33-1604	EA		Analog Addressable Low Flow Photoelectric Smoke Duct Detector With Relay (Gamewell-FCI ADPRF).....	335.41	45.87
28 46 21 33-1605	EA		Replacement Duct Detector Board (Gamewell-FCI ADP-F-SB).....	162.53	45.87
28 46 21 33-1606	EA		Flanged Mounting Base, For Use With Analog Sensor Or Velociti Sensors (Gamewell-FCI ADB-FLF).....	33.06	9.17
28 46 21 33-1607	EA		Harsh Environment Analog Addressable Photoelectric Smoke Sensor (Gamewell-FCI ASD-FILTREX-F).....	381.48	27.52
28 46 21 33-1608	EA		Flanged Mounting Base, For Use With ASD-FILTREX Or ASD-FILTREX-F (Gamewell-FCI ADB-FILTREXF).....	75.82	9.17
28 46 21 33-1609	EA		Addressable Single-Ended Reflected Beam Smoke Sensor (Gamewell-FCI ABD-2F).....	1,351.52	55.03
<b>28 46 21 33-1610</b>			<b>Velociti® Series Modules And Pull Station</b> (28 46 21 33-1593)		
28 46 21 33-1611	EA		Style "B", Class "B" Addressable Monitor Module (Gamewell-FCI AMM-2F).....	95.08	18.35
28 46 21 33-1612	EA		Dual Style "B", Class "B" Addressable Monitor Module (Gamewell-FCI AMM-2IF).....	153.48	18.35
28 46 21 33-1613	EA		Style "D", Class "A" Addressable Monitor Module (Gamewell-FCI AMM-4F).....	104.28	18.35
28 46 21 33-1614	EA		Subloop Style "D", Class "A" Addressable Monitor Module (Gamewell-FCI AMM-4SF).....	147.04	18.35
28 46 21 33-1615	EA		Addressable Output Relay Control Module (Gamewell-FCI AOM-2RF).....	122.67	18.35
28 46 21 33-1616	EA		Addressable Output Supervised Module (Gamewell-FCI AOM-2SF).....	127.27	18.35
28 46 21 33-1617	EA		Addressable Double Action Station, With AMM-2SF Mini-Mod (Gamewell-FCI MS-7AF).....	177.75	36.69
28 46 21 33-1618	EA		Addressable Single Action Pull Station (Gamewell-FCI MS-7ASF).....	131.41	18.35



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				28 46 21 33-1619 EA Telephone Filters (Gamewell-FCI AOM-TEL-FL).....	21.13	3.67
<b>28 46 21 33-1620</b>				<b>Components And Accessories</b> (28 46 21 33-1593)		
				28 46 21 33-1621 EA Remote LED Annunciator Alarm (Gamewell-FCI RA400Z) .....	52.34	14.68
				Note: Mounts on single gang box.		
				28 46 21 33-1622 EA Up To 2' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-1.5) .....	26.17	7.34
				28 46 21 33-1623 EA >2' To 4' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-3).....	28.01	7.34
				28 46 21 33-1624 EA >4' To 8' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-5).....	33.52	9.17
				28 46 21 33-1625 EA >8' To 10' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-10).....	54.21	11.01
				28 46 21 33-1626 EA Remote Test Station With LED Alarm And Magnet Test Switch (Gamewell-FCI RTS451).....	80.85	14.68
				Note: Mounts on single gang box.		
<b>28 46 21 33-1627</b>				<b>Fixed And Rate of Rise Heat Detectors</b> (28 46 21 33-1593)		
				28 46 21 33-1628 EA 135 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5601P) .....	70.66	27.52
				28 46 21 33-1629 EA 194 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5602).....	70.66	27.52
				28 46 21 33-1630 EA 135 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5603) .....	70.66	27.52
				28 46 21 33-1631 EA 194 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5604) .....	70.66	27.52
<b>28 46 21 33-1632</b>				<b>NAC Expander/Power Supply</b> (28 46 21 33-1593)		
				28 46 21 33-1633 EA FireForce 8 NAC Expander/Power Supply, 12/24 VDC, 8 Amp, 4 Notification Appliance Circuits, Built-in Synchronization Protocols For Gamewell, Wheelock, Gentex, Faraday, And System Sensor (Gamewell-FCI FF8).....	1,249.12	293.51
				28 46 21 33-1634 EA 6A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-6).....	1,074.40	293.51
				28 46 21 33-1635 EA 9A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-9).....	1,161.76	293.51
<b>28 46 21 33-1636</b>				<b>Batteries And Accessories</b> (28 46 21 33-1550)		
				28 46 21 33-1637 EA B-17R, 12 VDC, 17 Amp Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2010A) .....	194.86	18.35
				28 46 21 33-1638 EA B-55R, 12 VDC, 55 Amp Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2710A) .....	494.65	18.35
				28 46 21 33-1639 EA B-7R, 12 VDC, 7 Amp Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2311A) .....	102.90	18.35
				28 46 21 33-1640 EA BC-1, Battery Cabinet, Beige (Gamewell-FCI 1100-0653) .....	239.83	36.69
				28 46 21 33-1641 EA BC-1R, Battery Cabinet, Red (Gamewell-FCI 1100-0654) .....	239.83	36.69
				28 46 21 33-1642 EA 12"H x 12"W x 24"L Vented Steel Battery Cabinet With Hinged Key Lockable Cover (Gamewell-FCI GW70970).....	213.16	36.69
<b>28 46 21 33-1643</b>				<b>Electronic Door Holders</b> (28 46 21 33-1550)		
				Note: Rixson products.		
				28 46 21 33-1644 EA XK-996, Door Holder Extender Kit, 1-1/2" Spacer (Gamewell-FCI 140-30000) .....	34.38	3.67
				28 46 21 33-1645 EA FM-980, Floor Mount Door Holder, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90000).....	275.73	27.52
				28 46 21 33-1646 EA FM-981, Floor Mount Holder For Double Doors, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90001) .....	375.97	27.52
				28 46 21 33-1647 EA FM-990, Low Profile Mount Door Holder, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90002) .....	175.86	27.52
				28 46 21 33-1648 EA FM-996, Surface Mount Door Holder, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90003) .....	167.59	27.52
				28 46 21 33-1649 EA FM-997 Recessed Mount Door Holder, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90004) .....	175.86	27.52
				28 46 21 33-1650 EA FM-998, Recessed Mount Door Holder With Concealed Wiring, 12 VDC, 24 VAC/DC Or 120 VAC (Gamewell-FCI 140-90005) .....	175.50	27.52
<b>28 46 21 33-1651</b>				<b>SpectrAlert® Advance Wall Mount 2-Wire Horn/Strobes</b> (28 46 21 33-1550)		
				See CSI section 28 46 21 33-1840 for devices.		
<b>28 46 21 33-1652</b>				<b>SpectrAlert® Advance Accessories</b> (28 46 21 33-1550)		
				See CSI section 28 46 21 33-1840 for backboxes, 28 46 21 33-2104 for backboxes.		
<b>28 46 21 33-1653</b>				<b>Fire Alarm Programming</b> (28 46 21 33-1550)		
				Note: For device replacement projects only. Do not use these tasks on projects where a fire alarm panel is replaced.		
				28 46 21 33-1654 EA Program And Test Up To 5 Fire Alarm Devices.....	500.00	
				28 46 21 33-1655 EA Program And Test >5 To 20 Fire Alarm Devices .....	1,000.00	
				28 46 21 33-1656 EA Program And Test >20 To 50 Fire Alarm Devices .....	2,000.00	
<b>28 46 21 33-1657</b>				<b>Fire-Lite Fire Alarm</b> (28 46 21 33-0981)		
<b>28 46 21 33-1658</b>				<b>Addressable Control Panels</b> (28 46 21 33-1657)		
				28 46 21 33-1659 EA 25 Point Intelligent Control (Fire Lite MS-25) .....	1,263.08	366.89
				28 46 21 33-1660 EA 50 Point Intelligent Control (Fire Lite MS-9050UD) .....	1,391.87	366.89
				28 46 21 33-1661 EA 198-Point Intelligent Control (Fire Lite MS-9200UDLS) .....	1,957.25	366.89
				28 46 21 33-1662 EA 636-Point Intelligent Control (Fire Lite MS-9600LS) .....	2,888.89	366.89
				28 46 21 33-1663 EA 636-Point Intelligent Control (Fire Lite MS-9600UDLS) .....	2,766.02	366.89
				28 46 21 33-1664 EA IP And 4G Cellur Fire Alarm Communicator For Fire Alarm Control Panel (Fire-Lite IPGSM-4G).....	379.51	
<b>28 46 21 33-1665</b>				<b>Silent Knight Fire Alarm</b> (28 46 21 33-0981)		
				28 46 21 33-1666 EA Addressable Fire Alarm Control Panel With Integrated Emergency Communication System (Silent Knight 5820XL-EVS) .....	3,248.06	183.44
				28 46 21 33-1667 EA Supervised Remote Command Unit (Silent Knight EVS-RCU) .....	1,340.89	110.07
				28 46 21 33-1668 EA 50 Watt Amplifier (Silent Knight EVS-50W) .....	941.05	73.38
				28 46 21 33-1669 EA 125 Watt Amplifier (Silent Knight EVS-125W) .....	1,687.77	73.38
				28 46 21 33-1670 EA Voice Evacuation System (Silent Knight SKE-450) .....	1,613.76	73.38
				28 46 21 33-1671 EA Fire Fighters Telephone (Silent Knight SK-FFT).....	1,336.22	73.38





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1672	EA		Multi-Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5820XL) .....	1,360.71	110.07
28 46 21 33-1673	EA		Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5808) .....	1,013.73	73.38
28 46 21 33-1674	EA		Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5700) .....	771.29	73.38
28 46 21 33-1675	EA		Hybrid Conventional Fire Alarm Control/Communicator System (Silent Knight 5600) .....	662.96	73.38
28 46 21 33-1676	EA		Combination Fire And CO Detector (Silent Knight SK-FIRE-CO) .....	210.67	27.52
28 46 21 33-1677	EA		Photoelectric Detector (Silent Knight SK-PHOTO) .....	117.68	27.52
28 46 21 33-1678	EA		Photoelectric Thermal Detector (Silent Knight SK-PHOTO-T) .....	124.15	27.52
28 46 21 33-1679	EA		Ionization Smoke Detector (Silent Knight SK-ION) .....	124.88	27.52
28 46 21 33-1680	EA		135 Degree Fixed Temperature Detector (Silent Knight SK-HEAT) .....	108.16	27.52
28 46 21 33-1681	EA		190 Degree Fixed Temperature Detector (Silent Knight SK-HEAT-HT) .....	114.06	27.52
28 46 21 33-1682	EA		135 Degree Fixed Temperature Rate-of-Rise Detector (Silent Knight SK-HEAT-ROR) .....	116.24	27.52
28 46 21 33-1683	EA		Sounder Base (Silent Knight B200SR) .....	71.62	9.17
28 46 21 33-1684	EA		Intelligent Sounder Base (Silent Knight B200S) .....	75.95	9.17
28 46 21 33-1685	EA		Isolator Base (Silent Knight B224BI) .....	59.40	9.17
28 46 21 33-1686	EA		Relay Base (Silent Knight B224RB) .....	60.11	9.17
28 46 21 33-1687	EA		Multi-Criteria Photoelectric Detector With Thermal Sensing (Silent Knight SK-ACCLIMATE) .....	127.14	27.52
28 46 21 33-1688	EA		Photoelectric Duct Detector (Silent Knight SK-DUCT) .....	207.96	27.52
28 46 21 33-1689	EA		Single-Ended Reflected Beam Smoke Detector (Silent Knight SK-BEAM) .....	747.56	27.52
28 46 21 33-1690	EA		Single-Ended Reflected Beam Smoke Detector (Silent Knight SK-BEAM-T) .....	854.61	27.52
28 46 21 33-1691	EA		Dual Monitor Module (Silent Knight SK-MONITOR-2) .....	152.10	27.52
28 46 21 33-1692	EA		Supervised Control Module (Silent Knight SK-CONTROL) .....	125.75	27.52
28 46 21 33-1693	EA		Six Circuit Supervised Control Module (Silent Knight SK-CONTROL-6) .....	434.46	36.69
28 46 21 33-1694	EA		Relay Control Module (Silent Knight SK-RELAY) .....	108.80	18.35
28 46 21 33-1695	EA		Six Relay Control Module (Silent Knight SK-RELAY-6) .....	419.75	36.69
28 46 21 33-1696	EA		Zone Interface Module (Silent Knight SK-ZONE) .....	128.52	27.52
28 46 21 33-1697	EA		Six Zone Interface Module (Silent Knight SK-ZONE-6) .....	504.00	36.69
28 46 21 33-1698	EA		Monitor Module (Silent Knight SK-MONITOR) .....	109.75	27.52
28 46 21 33-1699	EA		10 Input Monitor Module (Silent Knight SK-MON-10) .....	487.96	36.69
28 46 21 33-1700	EA		Monitor Module (Silent Knight SK-MINIMON) .....	101.84	27.52
28 46 21 33-1701	EA		Fault Isolator Module (Silent Knight SK-ISO) .....	114.06	27.52
28 46 21 33-1702	EA		Addressable Heat Sensor (Silent Knight SD505-AHS) .....	111.92	27.52
28 46 21 33-1703	EA		Analog Ionization Smoke Detector (Silent Knight SD505-AIS) .....	122.12	27.52
28 46 21 33-1704	EA		Addressable Photoelectric Smoke Detector (Silent Knight SD505-APS) .....	114.06	27.52
28 46 21 33-1705	EA		6" Addressable Sounder Base (Silent Knight SD505-6SB) .....	88.20	9.17
28 46 21 33-1706	EA		6" Addressable Relay Base (Silent Knight SD505-6RB) .....	83.15	9.17
28 46 21 33-1707	EA		6" Isolator Base (Silent Knight SD505-6IB) .....	75.24	9.17
28 46 21 33-1708	EA		Addressable Input Module (Silent Knight SD500-AIM) .....	113.36	27.52
28 46 21 33-1709	EA		Addressable Notification Module (Silent Knight SD500-ANM) .....	141.00	27.52
28 46 21 33-1710	EA		Addressable Relay Module (Silent Knight SD500-ARM) .....	125.75	27.52
28 46 21 33-1711	EA		SLC Annunciator Driver Module (Silent Knight SD500-LED) .....	499.24	55.03
28 46 21 33-1712	EA		Loop Isolation Module (Silent Knight SD500-LIM) .....	118.39	27.52
28 46 21 33-1713	EA		Addressable Mini Input Module (Silent Knight SD500-MIM) .....	93.58	18.35
28 46 21 33-1714	EA		Single Action Addressable Pull Station (Silent Knight SD500-PS) .....	121.28	18.35
28 46 21 33-1715	EA		Dual Action Addressable Pull Station (Silent Knight SD500-PSDA) .....	115.73	18.35
28 46 21 33-1716	EA		Back Box (Silent Knight SK-PSSMBB) .....	52.57	14.68
28 46 21 33-1717	EA		Smoke Detector Module (Silent Knight SD500-SDM) .....	132.68	27.52
28 46 21 33-1718	EA		Addressable Smoke 4" Detector Base (Silent Knight SD505-4AB) .....	31.52	9.17
28 46 21 33-1719	EA		Addressable Smoke 6" Detector Base (Silent Knight SD505-6AB) .....	31.52	9.17
28 46 21 33-1720	EA		Addressable Duct Housing (Silent Knight SD505-DUCT) .....	217.44	27.52
28 46 21 33-1721	EA		Addressable Duct Housing With Built-In Relay (Silent Knight SD505-DUCTR) .....	283.75	27.52
28 46 21 33-1722	EA		Addressable Duct Detector Test Switch (Silent Knight SD505-DTS) .....	116.95	27.52
28 46 21 33-1723	EA		Intelligent Power Module (Silent Knight 5895XL) .....	720.47	73.38
28 46 21 33-1724	EA		Addressable Power Supply (Silent Knight 5496) .....	501.91	55.03
28 46 21 33-1725	EA		Relay Interface Board (Silent Knight 5883) .....	192.33	18.35
28 46 21 33-1726	EA		Remote LED Annunciator (Silent Knight 5865-3) .....	395.67	36.69
28 46 21 33-1727	EA		Remote LED Annunciator (Silent Knight 5865-4) .....	448.92	36.69
28 46 21 33-1728	EA		Remote LCD Annunciator (Silent Knight SK-5860) .....	423.00	55.03
28 46 21 33-1729	EA		Serial/Parallel Printer Interface (Silent Knight 5824) .....	276.24	18.35
28 46 21 33-1730	EA		LED Input/Output Module (Silent Knight / IntelliKnight 5880) .....	323.83	27.52
28 46 21 33-1731	EA		Addressable Pull Station (Silent Knight SK-Pull-DA/SA) .....	115.73	18.35
28 46 21 33-1732	EA		Digital Fire Communicator with Cabinet (Silent Knight SK-5104) .....	404.28	55.03
28 46 21 33-1733	EA		Communicator (Silent Knight IPGSM-4G) .....	603.06	36.69
28 46 21 33-1734	EA		Ten Zone Conventional Fire Alarm Control Panel (Silent Knight SK-5208) .....	951.62	73.38
28 46 21 33-1735	EA		10 Zone Expander (Silent Knight SK-5217) .....	266.77	18.35
28 46 21 33-1736	EA		Remote Annunciator (Silent Knight SK-5235) .....	265.56	36.69
28 46 21 33-1737	EA		Status Display Module (Silent Knight 5280) .....	76.30	18.35
28 46 21 33-1738	EA		Serial/Parallel Module (Silent Knight 5824) .....	312.93	36.69
28 46 21 33-1739	EA		Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4) .....	538.59	73.38
28 46 21 33-1740	EA		Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4E) .....	549.29	73.38
28 46 21 33-1741	EA		Dress Panel (Silent Knight SK-DP2/4) .....	101.49	18.35
28 46 21 33-1742	EA		Class A Converter (Silent Knight SK-CAC4) .....	266.16	27.52
28 46 21 33-1743	EA		Transmitter Module (Silent Knight SK-4XTM) .....	139.62	27.52
28 46 21 33-1744	EA		LED Interface Module (Silent Knight SK-4XLM) .....	128.52	27.52
28 46 21 33-1745	EA		110 VAC Transformer, 3-6A (Silent Knight SK-XRM24) .....	132.37	18.35
28 46 21 33-1746	EA		Remote Annunciator (Silent Knight SK-RZA4) .....	128.52	27.52
28 46 21 33-1747	EA		Zone Relay Module (Silent Knight SK-4XZM) .....	138.23	27.52
28 46 21 33-1748	EA		Two Zone Conventional Fire Alarm Control Panel (Silent Knight SK-2) .....	465.03	73.38
28 46 21 33-1749	EA		Remote Battery Box Accessory Cabinet (Silent Knight RBB) .....	115.73	18.35
28 46 21 33-1750	EA		Manual Pull Station (single action) (Silent Knight PS-SATK) .....	63.54	18.35
28 46 21 33-1751	EA		Manual Pull Station (dual action) (Silent Knight PS-DATK) .....	68.90	18.35
28 46 21 33-1752	EA		Manual Pull Station (dual action) (Silent Knight PS-DA) .....	67.39	18.35



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1753 EA Dual Action Manual Pull Station, Hex Key (Silent Knight PS-DAH).....	60.05	18.35
28 46 21 33-1754 EA Dual Action Listed Outdoor Manual Pull Station With Black Box (Silent Knight PS-DALOB).....	135.55	22.02
28 46 21 33-1755 EA 6 Amp, 24 VDC, Distributed Power Module (with cabinet) (Silent Knight SK-5495).....	471.15	55.03
28 46 21 33-1756 EA 9 Amp, 24 VDC, Distributed Power Module (with cabinet) (Silent Knight SK-5499).....	530.00	55.03
28 46 21 33-1757 EA Detector (Silent Knight IDP-PhotoR).....	167.27	27.52
28 46 21 33-1758 EA Monitoring Module (Silent Knight IDP).....	167.37	27.52
28 46 21 33-1759 EA Cabinet (Silent Knight SK-5207).....	228.22	55.03
28 46 21 33-1760 EA Innovair IDP-Product (Silent Knight Innovair IDP-Pduct).....	332.07	18.35
28 46 21 33-1761 EA I/O Input-Output Module (Silent Knight SK-2880).....	450.21	18.35
28 46 21 33-1762 EA Remote Annunciator (Silent Knight RA-2000).....	1,291.57	55.03
28 46 21 33-1763 EA Power Supply (Silent Knight 5195/96).....	804.67	18.35
28 46 21 33-1764 EA 8 Zone Expander (Silent Knight SK-5210).....	627.44	18.35
28 46 21 33-1765 EA LCD Remote Annunciator (Silent Knight SK-5230).....	252.02	36.69
28 46 21 33-1766 EA Ionization Smoke Detector (Silent Knight SK-ION).....	124.88	27.52
28 46 21 33-1767 EA Addressable Relay Module (Silent Knight IDP-Relay).....	143.64	27.52
28 46 21 33-1768 EA Telephone Line Monitor (Silent Knight SK-7150).....	89.86	18.35
28 46 21 33-1769 EA Serial Driver Board (Silent Knight SK-2884).....	167.84	18.35
28 46 21 33-1770 EA Smoke Detector Base (Silent Knight IDP-6AB).....	47.89	9.17
28 46 21 33-1771 EA Mini Input Module (Silent Knight IDP-MINIMON).....	125.30	18.35
28 46 21 33-1772 EA Status Display Module (Silent Knight SK-4180).....	462.03	18.35
28 46 21 33-1773 EA 8-Channel Digital Communicator (Silent Knight SK-1420).....	272.99	18.35
28 46 21 33-1774 EA Serial Parallel Module (Silent Knight SK-4824).....	249.36	18.35
28 46 21 33-1775 EA Power Supply (Silent Knight SK-5197 / SK-5198).....	922.81	18.35
28 46 21 33-1776 EA 4-Zone Fire Alarm Control Panel, Complete (Silent Knight SK-5204).....	1,564.55	73.38
28 46 21 33-1777 EA Intelligent Ionization Smoke Detector (Silent Knight IDP-ION).....	173.18	27.52
28 46 21 33-1778 EA Intelligent Photoelectric Smoke Detector (Silent Knight IDP-Photo).....	143.64	27.52
28 46 21 33-1779 EA Fire Slave Communicator Dialer (Silent Knight SK-5128).....	294.33	18.35
28 46 21 33-1780 EA Intelligent Power Module (with cabinet) (Silent Knight SK-5496).....	501.91	55.03
<b>28 46 21 33-1781</b>	<b>Alerton <small>(28 46 21 33)</small></b>	
28 46 21 33-1782 EA UL Listed Surge Protector In CHS-M3 Or CPU2-640 Chassis (Alerton ESD-100).....	436.98	5.50
<b>28 46 21 33-1783</b>	<b>Cooper Fire Alarm <small>(28 46 21 33)</small></b>	
28 46 21 33-1784 EA Single Circuit Class A / Multiple B, 12 Or 24 VDC, Sync Module (Cooper DSM-12/24-R).....	145.45	18.35
28 46 21 33-1785 EA Red Lens, 21 Joules, 24 VDC, Class I, Div 1, Groups C, D, NEMA 4X And 6, Strobe (Cooper EP109205-001).....	2,557.47	31.19
28 46 21 33-1786 EA Red, 100 dB, 24 VDC, Class I, Div 1, Groups C, D, NEMA 4X, Multitone Horn (Cooper EP109206-002).....	3,373.16	31.19
28 46 21 33-1787 EA Red Lens, 5 Joules, 24 VDC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-001).....	1,230.75	36.69
28 46 21 33-1788 EA Clear Lens, 5 Joules, 24 VDC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-002).....	1,238.00	36.69
28 46 21 33-1789 EA Amber Lens, 5 Joules, 110 VAC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-007).....	1,238.00	36.69
28 46 21 33-1790 EA Red Lens, 10 Joules, 24 VDC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-001).....	917.16	36.69
28 46 21 33-1791 EA Amber Lens, 10 Joules, 120 VAC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-003).....	917.16	36.69
28 46 21 33-1792 EA Red Lens, 10 Joules, 120 VAC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-004).....	917.16	36.69
28 46 21 33-1793 EA Amber Lens, 15 Joules, 120 VAC, Wire Guard, Black Finish, Backstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-005).....	1,238.00	36.69
28 46 21 33-1794 EA Amber Lens, 15 Joules, 120 VAC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-006).....	1,238.00	36.69
28 46 21 33-1795 EA Red Lens, 15 Joules, 120 VAC, Wire Guard, Black Finish, Blackstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-007).....	1,238.00	36.69
28 46 21 33-1796 EA Red Lens, 15 Joules, 120 VAC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-008).....	1,238.00	36.69
28 46 21 33-1797 EA Red Lens, 15 Joules, 24 VDC, Wire Guard, Blackstrap, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109203-002).....	1,238.00	36.69
28 46 21 33-1798 EA Red Lens, 21 Joules, 24 VDC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-001).....	1,425.61	36.69
28 46 21 33-1799 EA Red Lens, 21 Joules, 24 VDC, Black Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-003).....	1,324.10	36.69
28 46 21 33-1800 EA Amber Lens, 21 Joules, 110 VAC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-005).....	1,324.10	36.69
28 46 21 33-1801 EA Red Lens, 21 Joules, 110 VAC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-006).....	1,324.10	36.69
<b>28 46 21 33-1802</b>	<b>Light Engineered Displays Message Boards <small>(28 46 21 33)</small></b>	
28 46 21 33-1803 EA Two Message Sign, "Announcement" And "Evacuate" (LED SP-2/MNS).....	447.34	22.02
28 46 21 33-1804 EA Four Message Sign, "Fire", "Weather", "Announcement", "E Voltuate" (LED SP-4).....	547.04	22.02
<b>28 46 21 33-1805</b>	<b>STI Fire Alarm <small>(28 46 21 33)</small></b>	
28 46 21 33-1806 EA Pull Station Polycarbonate Cover, Semi Flush With Horn (STI-1100).....	102.53	11.01
Note: Include 9 VDC self contained battery.		
28 46 21 33-1807 EA Surface Mounted, Manual Pull Station Polycarbonate Cover With Horn (STI-1130).....	137.12	11.01
28 46 21 33-1808 EA Flush Mounted, Manual Pull Station Polycarbonate Cover (STI-1200).....	90.32	11.01
28 46 21 33-1809 EA Surface Mounted, Horn Strobe Polycarbonate Cover (STI-1210D).....	81.34	11.01
Note: For surface mounted horn strobes.		

**28 Electronic Safety And Security****28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1810	EA		Flush Mounted, Horn Strobe Polycarbonate Cover (STI-1210E) .....	71.45	11.01
28 46 21 33-1811	EA		Strobe Damage Stopper And Open Backbox With Conduit Knockout (STI-1221D) .....	81.34	11.01
			Note: For surface mounted strobe.		
28 46 21 33-1812	EA		Strobe Damage Stopper And Open Backbox, Semi Flush (STI-1221E) .....	81.14	11.01
28 46 21 33-1813	EA		NEMA 4X Rated Polycarbonate Dome Cover (STI-1229) .....	172.47	11.01
28 46 21 33-1814	EA		Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-1230) .....	110.09	11.01
			Note: For surface mounted pull stations.		
28 46 21 33-1815	EA		Backplate For Polycarbonate Cover (STI-1280) .....	47.17	11.01
28 46 21 33-1816	EA		Conduit Gasket For Polycarbonate Cover (STI-3003) .....	31.31	11.01
28 46 21 33-1817	EA		Conduit Spacer For Surface Mounted Polycarbonate Cover (STI-3100) .....	57.14	11.01
28 46 21 33-1818	EA		Weather Resistant, Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-3150) .....	114.46	11.01
28 46 21 33-1819	EA		8.5" x 6.5" x 4.6", Thumb Lock, Lockable Enclosure (STI-7511A) .....	100.64	11.01
28 46 21 33-1820	EA		24.7" x 19.7" x 7.3", Key Lock, Lockable Enclosure (STI-7550) .....	554.03	11.01
28 46 21 33-1821	EA		Flush Mounted, Smoke Detector Polycarbonate Cover (STI-8100) .....	80.02	11.01
28 46 21 33-1822	EA		Flush Mounted, Low Profile, Smoke Detector Steel Wire Cover (STI-9601) .....	73.23	11.01
28 46 21 33-1823	EA		Surface Mounted, Low Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9602) .....	66.88	11.01
28 46 21 33-1824	EA		Flush Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9604) .....	73.23	11.01
28 46 21 33-1825	EA		Surface Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9605) .....	66.88	11.01
28 46 21 33-1826	EA		Flush Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9609) .....	73.23	11.01
28 46 21 33-1827	EA		Surface Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9610) .....	66.88	11.01
28 46 21 33-1828	EA		Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9625) .....	127.15	11.01
28 46 21 33-1829	EA		White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705) .....	60.99	11.01
28 46 21 33-1830	EA		Red, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705-R) .....	60.99	11.01
28 46 21 33-1831	EA		Flush Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9706) .....	96.34	11.01
28 46 21 33-1832	EA		Surface Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9707) .....	96.34	11.01
28 46 21 33-1833	EA		White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708) .....	67.34	11.01
28 46 21 33-1834	EA		Red, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708-R) .....	67.34	11.01
28 46 21 33-1835	EA		White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9711) .....	60.99	11.01
28 46 21 33-1836	EA		Flush Mounted, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9713) .....	66.88	11.01
28 46 21 33-1837	EA		White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9714) .....	67.34	11.01
28 46 21 33-1838	EA		Yellow, "High Threat", Push Button Station (STI SS-2201) .....	73.32	5.50
28 46 21 33-1839	EA		Gasket Kit For STI Covers (STI SUB-121) .....	30.72	
<b>28 46 21 33-1840</b>			<b>System Sensor Fire Alarm</b> <small>(28 46 21 33)</small>		
<b>28 46 21 33-1841</b>			<b>Smoke Detectors</b> <small>(28 46 21 33-1840)</small>		
28 46 21 33-1842	EA		Beam Detector Heater Kit (System Sensor BEAMHK) .....	43.59	3.67
28 46 21 33-1843	EA		Reflectors, Beam Detector Heater Kit (System Sensor BEAMHKR) .....	184.07	3.67
			Note: Four used with long range kit.		
28 46 21 33-1844	EA		Projected Beam Smoke Detector Long Range Kit (System Sensor BEAMLRK) .....	211.14	36.69
28 46 21 33-1845	EA		Wall Or Ceiling Mounted, Projected Beam Smoke Detector Multi-Mount Kit (System Sensor BEAMMMK) .....	150.42	36.69
28 46 21 33-1846	EA		Projected Beam Smoke Detector Surface Mounted Kit (System Sensor BEAMSMK) .....	119.60	36.69
28 46 21 33-1847	EA		Two Wire, Photoelectric Smoke Detector (System Sensor 2W-B) .....	103.75	27.52
28 46 21 33-1848	EA		Two Wire, Photoelectric Smoke Detector With Thermal Sensor (System Sensor 2WT-B) .....	115.75	27.52
28 46 21 33-1849	EA		Two Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 2WTA-B) .....	109.00	27.52
28 46 21 33-1850	EA		Four Wire, Photoelectric Smoke Detector (System Sensor 4W-B) .....	105.44	27.52
28 46 21 33-1851	EA		Four Wire, Photoelectric Smoke Detector With Thermal Sensor, 12/24 VDC (System Sensor 4WT-B) .....	124.82	27.52
28 46 21 33-1852	EA		Four Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 4WTA-B) .....	111.62	27.52
28 46 21 33-1853	EA		Four Wire, Photoelectric Smoke Detector With Isolated Thermal Sensor, Built In Sounder, Form C Relay (System Sensor 4WITAR-B) .....	152.91	27.52
28 46 21 33-1854	EA		Photoelectric, Low-Profile, Smoke Detector Head (System Sensor 2151) .....	89.26	18.35
28 46 21 33-1855	EA		Photoelectric With Thermal Sensor, Low-Profile, Smoke Detector Head (System Sensor 2151T) .....	101.95	18.35
			Note: Requires B100 series base.		
28 46 21 33-1856	EA		Heavy Duty Multi-Mount Kit (System Sensor 6500-MMK) .....	206.86	9.17
28 46 21 33-1857	EA		Surface-Mount Kit For Use With Beam1224 And FSB-200 When Using 6500-MMK Heavy Duty Multi-Mount Kit (System Sensor 6500-SMK) .....	68.20	9.17
<b>28 46 21 33-1858</b>			<b>Duct Smoke Detectors</b> <small>(28 46 21 33-1840)</small>		
28 46 21 33-1859	EA		Two Wire Conventional Photoelectric Duct Detector (Includes 2151 Detector) (System Sensor D2) .....	257.37	27.52
28 46 21 33-1860	EA		Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120) .....	260.31	27.52
28 46 21 33-1861	EA		Watertight, Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120W) .....	337.21	31.19
28 46 21 33-1862	EA		Sensor Only, Four Wire Conventional Photoelectric Duct Detector (System Sensor D4S) .....	169.01	18.35
28 46 21 33-1863	EA		Duct Accessory Coil (Required On DNR If A Remote Test Station Is Used) (System Sensor DCOIL) .....	45.45	5.50
28 46 21 33-1864	EA		Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNR) .....	126.79	14.68
28 46 21 33-1865	EA		Watertight, Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNRW) .....	206.83	18.35
28 46 21 33-1866	EA		1' Steel Sampling Tube (System Sensor DST1) .....	24.65	7.34
28 46 21 33-1867	EA		1.5' Steel Sampling Tube (System Sensor DST1.5) .....	26.92	7.34
28 46 21 33-1868	EA		3' Steel Sampling Tube (System Sensor DST3) .....	31.45	7.34
28 46 21 33-1869	EA		5' Steel Sampling Tube (System Sensor DST5) .....	33.72	9.17
28 46 21 33-1870	EA		10' Steel Sampling Tube (System Sensor DST10) .....	59.86	11.01
28 46 21 33-1871	EA		1', Steel, Exhaust Tube Duct (System Sensor ETX) .....	27.82	7.34
28 46 21 33-1872	EA		Remote Test Station For Duct Smoke Detector (System Sensor RTS151) .....	68.88	9.17
28 46 21 33-1873	EA		Detector Installation/Removal Tool Kit For 700 Series Detectors (System Sensor XR2) .....	158.61	
28 46 21 33-1874	EA		Detector Installation/Removal Tool Kit For 800 And 355 Series Detectors (System Sensor XR2B) .....	170.39	
<b>28 46 21 33-1875</b>			<b>Heat Detectors</b> <small>(28 46 21 33-1840)</small>		
28 46 21 33-1876	EA		Single Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5601P) .....	70.77	27.52



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				28 46 21 33-1877 EA Single Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5602) .....	70.77	27.52
				28 46 21 33-1878 EA Dual Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5621) .....	82.76	27.52
				28 46 21 33-1879 EA Dual Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5622) .....	82.76	27.52
<b>28 46 21 33-1880</b>				<b>Horns</b> <small>(28 46 21 33-1840)</small>		
				28 46 21 33-1881 EA Red, Mini Horn (System Sensor MHR) .....	79.95	27.52
				28 46 21 33-1882 EA White, Mini Horn (System Sensor MHW) .....	79.95	27.52
				28 46 21 33-1883 EA White, 12/24 VDC, Wall Mounted Horn Only (System Sensor HW) .....	92.64	27.52
				28 46 21 33-1884 EA Red, Outdoor, Wall Mounted Replacement Horn (System Sensor HRK-R) .....	103.15	31.19
				28 46 21 33-1885 EA Red, Interior, Wall Mounted, Horn (System Sensor HR) .....	86.14	27.52
				28 46 21 33-1886 EA Red, Outdoor, Wall Mounted, Horn (System Sensor HRK) .....	103.75	27.52
<b>28 46 21 33-1887</b>				<b>Wall Mounted Horns/Strobes</b> <small>(28 46 21 33-1840)</small>		
				28 46 21 33-1888 EA Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2R) .....	123.91	27.52
				28 46 21 33-1889 EA Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RH) .....	129.35	27.52
				28 46 21 33-1890 EA Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK) .....	167.50	31.19
				28 46 21 33-1891 EA Plain, Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-P) .....	167.50	31.19
				28 46 21 33-1892 EA Low Frequency, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RH-LF) .....	178.29	27.52
				28 46 21 33-1893 EA Outdoor Backbox, Red, 120 VAC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-120) .....	181.10	31.19
				28 46 21 33-1894 EA Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK) .....	157.08	31.19
				28 46 21 33-1895 EA Plain, Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-P) .....	162.07	31.19
				28 46 21 33-1896 EA Replacement, Outdoor, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-R) .....	141.13	27.52
				28 46 21 33-1897 EA Plain, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2R-P) .....	123.91	27.52
				28 46 21 33-1898 EA White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2W) .....	123.91	27.52
				28 46 21 33-1899 EA White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH) .....	130.25	27.52
				28 46 21 33-1900 EA Low Frequency, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH-LF) .....	178.29	27.52
				28 46 21 33-1901 EA Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK) .....	167.50	31.19
				28 46 21 33-1902 EA Plain, Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK-P) .....	167.50	31.19
				28 46 21 33-1903 EA Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH-P) .....	129.35	27.52
				28 46 21 33-1904 EA Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK) .....	162.07	31.19
				28 46 21 33-1905 EA Plain, Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK-P) .....	162.07	31.19
				28 46 21 33-1906 EA Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2W-P) .....	123.91	27.52
				28 46 21 33-1907 EA Red, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4R) .....	127.73	27.52
				28 46 21 33-1908 EA Red, Four Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P4RH) .....	130.73	27.52
				28 46 21 33-1909 EA Outdoor Backbox, Red, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK) .....	150.81	31.19
				28 46 21 33-1910 EA Replacement, Outdoor, Red, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK-R) .....	158.44	31.19
				28 46 21 33-1911 EA White, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4W) .....	142.94	27.52
				28 46 21 33-1912 EA Outdoor Backbox, White, Four Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor PC4WHK) .....	163.88	31.19
				28 46 21 33-1913 EA Outdoor Backbox, White, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WK) .....	169.32	31.19
<b>28 46 21 33-1914</b>				<b>Ceiling Mounted Horns/Strobes</b> <small>(28 46 21 33-1840)</small>		
				28 46 21 33-1915 EA Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2R) .....	123.91	27.52
				28 46 21 33-1916 EA Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RH) .....	131.16	27.52
				28 46 21 33-1917 EA Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RHK) .....	167.50	31.19
				28 46 21 33-1918 EA Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RK) .....	162.07	31.19
				28 46 21 33-1919 EA Plain, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2R-P) .....	124.82	27.52
				28 46 21 33-1920 EA White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2W) .....	123.91	27.52

**28 Electronic Safety And Security****28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1921 EA White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH).....	131.16	27.52
28 46 21 33-1922 EA Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WHK).....	167.50	31.19
28 46 21 33-1923 EA Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH-P).....	131.16	27.52
28 46 21 33-1924 EA Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WK).....	162.07	31.19
28 46 21 33-1925 EA Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2W-P).....	123.91	27.52
28 46 21 33-1926 EA Red, Ceiling Mounted, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Horn/Strobe (System Sensor PC4R).....	127.73	27.52
28 46 21 33-1927 EA Red, Ceiling Mounted, Four Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Horn/Strobe (System Sensor PC4RH).....	130.73	27.52
28 46 21 33-1928 EA White, Four Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC4W).....	142.94	27.52
<b>28 46 21 33-1929 Wall Mounted Strobes</b> <small>(28 46 21 33-1840)</small>		
28 46 21 33-1930 EA White Strobe Expander Plate Backbox Skirt (System Sensor SEP-BBSW).....	49.16	9.17
28 46 21 33-1931 EA White Strobe Expander Plate With Standard Candela (System Sensor SEP-SW).....	96.29	9.17
28 46 21 33-1932 EA Red, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SR).....	100.75	27.52
28 46 21 33-1933 EA Red, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRH).....	111.24	27.52
28 46 21 33-1934 EA Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK).....	135.07	31.19
28 46 21 33-1935 EA Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK).....	133.57	31.19
28 46 21 33-1936 EA Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-P).....	148.47	31.19
28 46 21 33-1937 EA Replacement Unit, Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-R).....	128.53	31.19
28 46 21 33-1938 EA Red, Plain, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SR-P).....	110.32	27.52
28 46 21 33-1939 EA White, 12/24 VDC, Selectable (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW).....	110.32	27.52
28 46 21 33-1940 EA White, Amber Lens, 12/24 VDC, Selectable (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW-ALERT).....	120.29	27.52
28 46 21 33-1941 EA White, Clear Lens, 12/24 VDC, Selectable (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW-CLR-ALERT).....	117.57	27.52
28 46 21 33-1942 EA White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH).....	123.00	27.52
28 46 21 33-1943 EA White, Amber Lens, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-ALERT).....	122.10	27.52
28 46 21 33-1944 EA White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-P).....	122.10	27.52
28 46 21 33-1945 EA Red, Plain, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-P).....	150.28	31.19
28 46 21 33-1946 EA White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK).....	150.28	31.19
28 46 21 33-1947 EA White, Plain, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK-P).....	150.28	31.19
28 46 21 33-1948 EA Replacement Unit, Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-R).....	132.16	31.19
28 46 21 33-1949 EA White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK).....	148.47	31.19
28 46 21 33-1950 EA White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK-P).....	148.47	31.19
28 46 21 33-1951 EA White, Plain, 12/24 VDC, Selectable (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SW-P).....	109.41	27.52
28 46 21 33-1952 EA Amber, Wall Strobe Lens Attachment (System Sensor LENS-A).....	17.31	3.67
28 46 21 33-1953 EA Blue, Wall Strobe Lens Attachment (System Sensor LENS-B).....	17.31	3.67
28 46 21 33-1954 EA Green, Wall Strobe Lens Attachment (System Sensor LENS-G).....	17.31	3.67
28 46 21 33-1955 EA Red, Wall Strobe Lens Attachment (System Sensor LENS-R).....	17.31	3.67
<b>28 46 21 33-1956 Ceiling Mounted Strobes</b> <small>(28 46 21 33-1840)</small>		
28 46 21 33-1957 EA Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCR).....	100.75	27.52
28 46 21 33-1958 EA Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRH).....	112.74	27.52
28 46 21 33-1959 EA Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRHK).....	135.07	31.19
28 46 21 33-1960 EA Outdoor Backbox, Red, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRK).....	135.07	31.19
28 46 21 33-1961 EA White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCW).....	110.32	27.52
28 46 21 33-1962 EA Clear Lens, White, Two Wire, 12/24 VDC, Standard Candela, Ceiling Mounted Strobe (System Sensor SCW-CLR-ALERT).....	117.57	27.52
28 46 21 33-1963 EA White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWH).....	124.82	27.52
28 46 21 33-1964 EA Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWHK).....	150.28	31.19



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-1965 EA Outdoor Backbox, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWK) .....	148.47	31.19
28 46 21 33-1966 EA Plain, White, Two Wire, 12/24 VDC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCW-P).....	111.22	27.52
28 46 21 33-1967 EA Blue, Ceiling Strobe Lens Attachment (System Sensor LENS-BC) .....	17.31	3.67
28 46 21 33-1968 EA Red, Ceiling Strobe Lens Attachment (System Sensor LENS-RC).....	17.31	3.67
28 46 21 33-1969 EA Green, Ceiling Strobe Lens Attachment (System Sensor LENS-GC) .....	17.31	3.67
28 46 21 33-1970 EA Amber, Ceiling Strobe Lens Attachment (System Sensor LENS-AC).....	17.31	3.67
<b>28 46 21 33-1971 Wall Mounted Speakers (28 46 21 33-1840)</b>		
28 46 21 33-1972 EA 24 VDC, 4 Field Selectable Sound Pulse Patterns, Directional Sound Speaker With Voice And Integral Audio Amplifier (System Sensor PF24V) .....	280.70	27.52
28 46 21 33-1973 EA Red, Wall Mounted Speaker (System Sensor SPR) .....	84.26	27.52
28 46 21 33-1974 EA Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK).....	137.05	27.52
28 46 21 33-1975 EA Replacement Unit, Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK-R).....	116.30	31.19
28 46 21 33-1976 EA Red, High dB, Wall Mounted Speaker (System Sensor SPRV) .....	92.51	27.52
28 46 21 33-1977 EA White, Wall Mounted Speaker (System Sensor SPW).....	90.38	27.52
28 46 21 33-1978 EA White, Outdoor, Wall Mounted Speaker (System Sensor SPWK) .....	144.39	31.19
28 46 21 33-1979 EA White, High dB, Wall Mounted Speaker (System Sensor SPWV).....	100.35	27.52
<b>28 46 21 33-1980 Ceiling Mounted Speakers (28 46 21 33-1840)</b>		
28 46 21 33-1981 EA Red, Ceiling Mounted Speaker (System Sensor SPCR) .....	84.26	27.52
28 46 21 33-1982 EA Outdoor, Ceiling Mounted Speaker (System Sensor SPCRK).....	122.86	27.52
28 46 21 33-1983 EA Red, High dB, Ceiling Mounted Speaker (System Sensor SPCR).....	92.51	27.52
28 46 21 33-1984 EA White, Ceiling Mounted Speaker (System Sensor SPCW).....	90.38	27.52
28 46 21 33-1985 EA White, High dB, Ceiling Mounted Speaker (System Sensor SPCWV).....	100.35	27.52
28 46 21 33-1986 EA White, Outdoor, Ceiling Mounted Speaker (System Sensor SPCWK).....	144.39	31.19
<b>28 46 21 33-1987 Wall Mounted Speakers/Strobes (28 46 21 33-1840)</b>		
28 46 21 33-1988 EA White Speaker Strobe Expander Plate With Standard Candela (System Sensor SEP-SPSW) .....	104.45	9.17
28 46 21 33-1989 EA White Speaker Strobe Expander Plate Backbox Skirt (System Sensor SPSEP-BBSW) .....	49.16	9.17
28 46 21 33-1990 EA Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSR) .....	131.48	27.52
28 46 21 33-1991 EA Red, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRH).....	139.73	27.52
28 46 21 33-1992 EA Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK).....	185.29	31.19
28 46 21 33-1993 EA Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-P) .....	211.01	31.19
28 46 21 33-1994 EA Replacement Unit, Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-R) .....	178.38	31.19
28 46 21 33-1995 EA Red, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSR-P).....	147.47	27.52
28 46 21 33-1996 EA Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRV).....	135.23	27.52
28 46 21 33-1997 EA White, Amber Lens, Wall Mounted, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSW-ALERT).....	167.41	27.52
28 46 21 33-1998 EA White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-CLR-ALERT) .....	214.63	31.19
28 46 21 33-1999 EA White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSW) .....	147.47	27.52
28 46 21 33-2000 EA White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH).....	157.44	27.52
28 46 21 33-2001 EA White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH-P) .....	157.44	27.52
28 46 21 33-2002 EA White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK).....	211.01	31.19
28 46 21 33-2003 EA White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-P).....	211.01	31.19
28 46 21 33-2004 EA White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSW-P).....	147.47	27.52
28 46 21 33-2005 EA White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV).....	152.01	27.52
28 46 21 33-2006 EA White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV-P).....	152.01	27.52
<b>28 46 21 33-2007 Ceiling Mounted Speakers/Strobes (28 46 21 33-1840)</b>		
28 46 21 33-2008 EA Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCR).....	131.48	27.52
28 46 21 33-2009 EA Red, Selectable Candela (135, 150, 177, 185) Candela, High-Candela, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRH) .....	141.22	27.52
28 46 21 33-2010 EA Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115), Ceiling Mounted Speaker/Strobe (System Sensor SPSCR).....	135.23	27.52
28 46 21 33-2011 EA White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCW).....	147.47	27.52
28 46 21 33-2012 EA White, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCW-CLR-ALERT).....	159.26	27.52

**28 Electronic Safety And Security****28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-2013	EA		White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH).....	157.44	27.52
28 46 21 33-2014	EA		White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWHK).....	213.73	31.19
28 46 21 33-2015	EA		White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH-P).....	157.44	27.52
28 46 21 33-2016	EA		White, Outdoor, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK-CLR-ALERT).....	214.63	31.19
28 46 21 33-2017	EA		White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK).....	211.01	31.19
28 46 21 33-2018	EA		White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCW-P).....	147.47	27.52
28 46 21 33-2019	EA		White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV).....	152.01	27.52
28 46 21 33-2020	EA		White, High-Candela/High dB, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWVH).....	157.44	27.52
28 46 21 33-2021	EA		White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV-P).....	152.01	27.52
28 46 21 33-2022	EA		High-Candela/High dB, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRVH).....	157.18	27.52
<b>28 46 21 33-2023</b>			<b>Electric Alarm Bells</b> (28 46 21 33-1840)		
28 46 21 33-2024	EA		6" 24 Volt DC Alarm Bell (System Sensor SSM24-6).....	110.32	27.52
28 46 21 33-2025	EA		8" 24 Volt DC Alarm Bell (System Sensor SSM24-8).....	120.29	27.52
28 46 21 33-2026	EA		10" 24 Volt DC Alarm Bell (System Sensor SSM24-10).....	143.31	27.52
<b>28 46 21 33-2027</b>			<b>Device Bases</b> (28 46 21 33-1840)		
28 46 21 33-2028	EA		High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base (System Sensor B200S).....	88.14	9.17
28 46 21 33-2029	EA		Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR).....	85.87	9.17
28 46 21 33-2030	EA		Intelligent Isolator Base (System Sensor B224BI).....	70.24	9.17
28 46 21 33-2031	EA		Intelligent Relay Base (System Sensor B224RB).....	71.37	9.17
28 46 21 33-2032	EA		Flangeless, Intelligent Detector Base (System Sensor B501).....	38.97	9.17
<b>28 46 21 33-2033</b>			<b>Boxes, Plates And Decals</b> (28 46 21 33-1840)		
28 46 21 33-2034	EA		Two Wire, Flanged, 12/24 VDC, Low-Profile, Adapter Base (System Sensor B110LP).....	33.30	9.17
28 46 21 33-2035	EA		Four Wire, Form A And C, 24 VDC Low-Profile, Adapter Base (System Sensor B112LP).....	65.98	11.01
28 46 21 33-2036	EA		Conventional Flanged Mounting Base (System Sensor B210LP).....	31.94	9.17
28 46 21 33-2037	EA		120 VAC, Mounting Plate, For Spectralert Advance Devices (System Sensor MP120K).....	64.57	9.17
28 46 21 33-2038	EA		Red, Wall Mounted, Metal, Weatherproof Backbox (System Sensor MWBB).....	56.42	9.17
28 46 21 33-2039	EA		White, Ceiling Mounted, Metal, Weatherproof Backbox (System Sensor MWBBCW).....	62.76	9.17
28 46 21 33-2040	EA		White, Wall Mounted, Metal, Weatherproof Backbox (System Sensor MWBBW).....	56.42	9.17
28 46 21 33-2041	EA		Red Retrofit Plate (System Sensor RFP).....	26.96	5.50
28 46 21 33-2042	EA		White Retrofit Plate (System Sensor RFPW).....	26.96	5.50
28 46 21 33-2043	EA		Red, Wall Mounted, Weatherproof Backbox (System Sensor SA-WBB).....	47.35	9.17
28 46 21 33-2044	EA		Red, Ceiling Mounted, Weatherproof Backbox (System Sensor SA-WBBC).....	48.71	9.17
28 46 21 33-2045	EA		Red, Ceiling Mounted, Surface Mounted, Backbox (System Sensor SBBBCR).....	39.65	9.17
28 46 21 33-2046	EA		White, Ceiling Mounted, Surface Mounted, Backbox (System Sensor SBBCW).....	39.65	9.17
28 46 21 33-2047	EA		Red, Wall Mounted, Surface Mounted, Backbox (System Sensor SBBR).....	33.30	9.17
28 46 21 33-2048	EA		Red, Wall Mounted, Surface Mounted, Backbox For Speaker (System Sensor SBBSPR).....	37.84	9.17
28 46 21 33-2049	EA		White, Wall Mounted, Surface Mounted, Backbox For Speaker (System Sensor SBBSPW).....	37.84	9.17
28 46 21 33-2050	EA		White, Wall Mounted, Surface Mounted, Backbox (System Sensor SBBW).....	33.30	9.17
28 46 21 33-2051	EA		Surface Mounted Box For Intelligent Control Or Monitor Modules (System Sensor SMB500).....	32.85	9.17
28 46 21 33-2052	EA		Surface Mounted Box For 400 And 500 Series Detectors And Sounder Bases (System Sensor SMB600).....	32.85	9.17
28 46 21 33-2053	EA		Red, Wall Mounted, Trim Ring (System Sensor TR).....	13.96	3.67
28 46 21 33-2054	EA		Red, Ceiling Mounted, Trim Ring (System Sensor TRC).....	13.96	3.67
28 46 21 33-2055	EA		White, Ceiling Mounted, Trim Ring (System Sensor TRCW).....	13.96	3.67
28 46 21 33-2056	EA		Red, Wall Mounted Horn/Strobe Trim Ring (System Sensor TR-HS).....	11.83	3.67
28 46 21 33-2057	EA		White, Wall Mounted, Trim Ring (System Sensor TRW).....	13.96	3.67
28 46 21 33-2058	EA		Red Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-R).....	18.40	
28 46 21 33-2059	EA		Red Decals, Three Pack, Spectralert Advance Ceiling Products (System Sensor DECAL-RC).....	25.85	
28 46 21 33-2060	EA		White Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-W).....	18.40	
28 46 21 33-2061	EA		White Decals, Three Pack, Spectralert Advance Wall Products (System Sensor DECAL-WC).....	25.85	
<b>28 46 21 33-2062</b>			<b>Chimes</b> (28 46 21 33-1840)		
28 46 21 33-2063	EA		Red, 12/24 VDC, Ceiling Or Wall Mounted Chime (System Sensor CHR).....	95.81	27.52
28 46 21 33-2064	EA		White, 12/24 VDC, Ceiling Or Wall Mounted Chime (System Sensor CHW).....	95.81	27.52
<b>28 46 21 33-2065</b>			<b>Chime/Strobes</b> (28 46 21 33-1840)		
28 46 21 33-2066	EA		Red, 15, 15/75, 30, 75, 110 Multi-Candela, 24 VDC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSR).....	181.01	27.52
28 46 21 33-2067	EA		White, 15, 15/75, 30, 75, 110 Multi-Candela, 24 VDC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSW).....	181.01	27.52
<b>28 46 21 33-2068</b>			<b>Carbon Monoxide Detectors</b> (28 46 21 33-1840)		
28 46 21 33-2069	EA		Conventional Carbon Monoxide Detector (System Sensor CO1224).....	168.19	36.69



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-2070 EA Round, Sounder And Trouble Relay With Test Function, 12/24 VDC, Conventional Carbon Monoxide Detector (System Sensor CO1224TR).....	169.68	27.52
28 46 21 33-2071 EA CO Detector Plate For Replacing Round CO Detectors With The CO1224T (System Sensor CO-PLATE).....	10.97	3.67
<b>28 46 21 33-2072 Switches</b> <small>(28 46 21 33-1840)</small>		
28 46 21 33-2073 EA SPDT Switch, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-1).....	148.08	14.68
28 46 21 33-2074 EA Two SPDT Switches, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-2) .....	166.20	14.68
28 46 21 33-2075 EA SPDT Switch, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-1).....	148.08	14.68
28 46 21 33-2076 EA Two SPDT Switches, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-2) .....	166.20	14.68
28 46 21 33-2077 EA Outside Screw And Yoke Valve, Two SPDT, Supervisory Switch (System Sensor OSY2) .....	151.70	14.68
28 46 21 33-2078 EA Post Indicator Butterfly Valve, SPDT, Supervisory Switch (System Sensor PIBV2) .....	142.64	14.68
<b>28 46 21 33-2079 Low Frequency Sounders</b> <small>(28 46 21 33-1840)</small>		
28 46 21 33-2080 EA Red, Low Frequency Sounder (System Sensor HR-LF) .....	125.72	27.52
28 46 21 33-2081 EA White, Low Frequency Sounder (System Sensor HW-LF).....	125.72	27.52
<b>28 46 21 33-2082 Sync Modules</b> <small>(28 46 21 33-1840)</small>		
28 46 21 33-2083 EA Red, 12/24 VDC, Sync Module (System Sensor MDL3R) .....	113.73	18.35
28 46 21 33-2084 EA White, 12/24 VDC, Sync Module (System Sensor MDL3W).....	113.73	18.35
<b>28 46 21 33-2085 Relays</b> <small>(28 46 21 33-1840)</small>		
28 46 21 33-2086 EA Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10E).....	62.61	14.68
28 46 21 33-2087 EA SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10T).....	40.46	9.17
28 46 21 33-2088 EA 4-Gang Relay, Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14E).....	125.30	9.17
28 46 21 33-2089 EA 4-Gang Relay, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14T).....	91.08	9.17
28 46 21 33-2090 EA Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20E).....	67.78	14.68
28 46 21 33-2091 EA DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20T) .....	41.91	9.17
28 46 21 33-2092 EA 4-Gang Relay, Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24E).....	141.61	9.17
28 46 21 33-2093 EA 4-Gang Relay, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24T) .....	104.45	9.17
28 46 21 33-2094 EA 18 To 35 VDC, 18 To 35 VAC, 120 VAC, SPDT Multivoltage Relay (System Sensor PR-1).....	34.66	9.17
28 46 21 33-2095 EA 10 To 40 VDC, SPDT Multivoltage Relay (System Sensor PR-2).....	34.66	9.17
28 46 21 33-2096 EA Redundant Power Input, 10 To 40 VDC, SPDT Multivoltage Relay (System Sensor PR-3).....	34.66	9.17
<b>28 46 21 33-2097 Remote Annunciator</b> <small>(28 46 21 33-1840)</small>		
28 46 21 33-2098 EA Remote Annunciator (System Sensor RA100Z) .....	67.53	27.52
28 46 21 33-2099 EA Remote LED Annunciator (System Sensor RA100ZA) .....	72.60	27.52
<b>28 46 21 33-2100 Remote Test Station</b> <small>(28 46 21 33-1840)</small>		
28 46 21 33-2101 EA Remote Test Station With Key (System Sensor RTS151KEY).....	95.05	27.52
<b>28 46 21 33-2102 Fire Alarm Digital Cellular Communicator</b> <small>(28 46 21 33)</small>		
28 46 21 33-2103 EA Digital Cellular Communicator With Antenna And Red Enclosure (Telular Telguard TG-7FS) .....	423.38	36.69
<b>28 46 21 33-2104 Wheelock Fire Alarm</b> <small>(28 46 21 33)</small>		
<b>28 46 21 33-2105 Ceiling Mounted Chimes/Strobes</b> <small>(28 46 21 33-2104)</small>		
28 46 21 33-2106 EA White, Round, Selectable Candela (15, 30, 75, 100 Candela), 24 VDC, Ceiling Mounted Chime/Strobe (Wheelock CH90-24MCC-FW).....	212.73	27.52
<b>28 46 21 33-2107 Wall Mounted Chimes/Strobes</b> <small>(28 46 21 33-2104)</small>		
28 46 21 33-2108 EA Red, Selectable Candela (15, 30, 75, 110 Candela), 24 VDC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FR) .....	212.73	27.52
28 46 21 33-2109 EA White, Selectable Candela (15, 30, 75, 110 Candela), 24 VDC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FW).....	212.73	27.52
<b>28 46 21 33-2110 Ceiling Mounted Horns/Strobes</b> <small>(28 46 21 33-2104)</small>		
28 46 21 33-2111 EA Red, Two Wire, 12/24 VDC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSRC) .....	128.44	27.52
28 46 21 33-2112 EA White, Two Wire, 12/24 VDC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSWC).....	128.44	27.52
<b>28 46 21 33-2113 Wall Mounted Horns/Strobes</b> <small>(28 46 21 33-2104)</small>		
28 46 21 33-2114 EA Red, Weatherproof, 24 VDC, 75 Candela, Wall Mounted, Horn/Strobe (Wheelock ASWP-2475W-FR).....	138.41	27.52
28 46 21 33-2115 EA Red, 24 VDC, 15/75 Candela, Continuous Or Code 3 Tone, Wall Mounted Horn/Strobe (Wheelock HS4-241575 Watt-FR).....	158.35	27.52
28 46 21 33-2116 EA Red, 24 VDC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR) .....	146.57	27.52
28 46 21 33-2117 EA White, 24 VDC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW).....	146.57	27.52
28 46 21 33-2118 EA Red, Flush, 24 VAC, 15/75 Candela, Sync/Non-Sync, Wall Mounted Horn/Strobe (Wheelock MT-241575 Watt-FR) .....	150.19	27.52



**28 Electronic Safety And Security****28 40 Life Safety****28 46 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-2119	EA		Red, 24 VAC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FR).....	143.40	27.52
28 46 21 33-2120	EA		Red, 115 VAC, Wall Mounted Horn/Strobe (Wheelock MT4-115-WH-VFR).....	142.94	27.52
28 46 21 33-2121	EA		Red, Weatherproof, 24 VDC, 75 Candela, Wall Mounted Horn/Strobe (Wheelock MTWP-2475W-FR).....	161.16	31.19
28 46 21 33-2122	EA		Red, Two Wire, 12/24 VDC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSR).....	128.90	27.52
28 46 21 33-2123	EA		White, Two Wire, 12/24 VDC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSW).....	128.90	27.52
<b>28 46 21 33-2124</b>			<b>Ceiling Mounted Strobes</b> (28 46 21 33-2104)		
28 46 21 33-2125	EA		Red, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FR).....	113.49	27.52
28 46 21 33-2126	EA		White, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FW).....	113.49	27.52
28 46 21 33-2127	EA		Red, Two Wire, 12/24 VDC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STRC).....	115.75	27.52
28 46 21 33-2128	EA		White, Two Wire, 12/24 VDC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STWC).....	115.75	27.52
<b>28 46 21 33-2129</b>			<b>Wall Mounted Strobes</b> (28 46 21 33-2104)		
28 46 21 33-2130	EA		Red, Multi-Candela, 24 VDC, Wall Mounted Strobe (Wheelock AMT-24MCW-FR).....	181.91	27.52
28 46 21 33-2131	EA		Red, Retrofit Plate, 12 VDC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSSP-121575W-FR).....	145.66	27.52
28 46 21 33-2132	EA		Red, 24 VDC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSS-241575W-FR).....	126.63	27.52
28 46 21 33-2133	EA		Red, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FR).....	117.57	27.52
28 46 21 33-2134	EA		White, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FW).....	117.57	27.52
28 46 21 33-2135	EA		Red, Retrofit Plate, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSSP-24MCW-FR).....	130.71	27.52
28 46 21 33-2136	EA		Outdoor, Red, 24 VDC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FR).....	133.06	31.19
			Note: Requires WPSBB-R.		
28 46 21 33-2137	EA		Red, Two Wire, 12/24 VDC, Multi-Candela, Wall Mounted Strobe (Wheelock STR).....	115.75	27.52
28 46 21 33-2138	EA		White, Two Wire, 12/24 VDC, Multi-Candela, Wall Mounted Strobe (Wheelock STW).....	115.75	27.52
<b>28 46 21 33-2139</b>			<b>Ceiling Mounted Speakers/Strobes</b> (28 46 21 33-2104)		
28 46 21 33-2140	EA		Red, 24 VDC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FR).....	156.54	27.52
28 46 21 33-2141	EA		White, 24 VDC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FW).....	156.54	27.52
28 46 21 33-2142	EA		White, 24 VDC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-FW).....	154.73	27.52
28 46 21 33-2143	EA		White, 24 VDC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW).....	156.54	27.52
28 46 21 33-2144	EA		White, 24 VDC, Multi-Candela 115/177, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW).....	167.87	27.52
28 46 21 33-2145	EA		White, 24 VDC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FW).....	171.95	27.52
<b>28 46 21 33-2146</b>			<b>Wall Mounted Speakers/Strobes</b> (28 46 21 33-2104)		
28 46 21 33-2147	EA		Red, Square, 24 VDC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FR).....	173.76	27.52
28 46 21 33-2148	EA		White, Square, 24 VDC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FW).....	173.76	27.52
28 46 21 33-2149	EA		Red, 24 VDC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCC-FR).....	167.87	27.52
28 46 21 33-2150	EA		White, 24 VDC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCC-FW).....	167.87	27.52
28 46 21 33-2151	EA		Red, Square, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FR).....	156.54	27.52
28 46 21 33-2152	EA		White, Square, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FW).....	152.91	27.52
28 46 21 33-2153	EA		Red, 24 VDC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FR).....	167.87	27.52
28 46 21 33-2154	EA		White, 24 VDC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FW).....	167.87	27.52
28 46 21 33-2155	EA		Red, Square, 24 VDC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E70-241575 Watt-FR).....	171.95	27.52
28 46 21 33-2156	EA		Red, Square, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FR).....	156.54	27.52
28 46 21 33-2157	EA		White, Square, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FW).....	152.91	27.52
28 46 21 33-2158	EA		Red, 24 VDC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR).....	167.87	27.52
28 46 21 33-2159	EA		White, 24 VDC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW).....	171.95	27.52
28 46 21 33-2160	EA		Red, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FR).....	171.95	27.52
28 46 21 33-2161	EA		White, 24 VDC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FW).....	171.95	27.52
28 46 21 33-2162	EA		Weatherproof, Red, 24 VDC, 75 Candela, Wall Mounted Speaker Strobe (Wheelock ET70WP-2475 W-FR).....	186.99	31.19
			Note: Requires weatherproof backbox (IOB).		
<b>28 46 21 33-2163</b>			<b>Electric Alarm Bells</b> (28 46 21 33-2104)		
28 46 21 33-2164	EA		6", 24 VDC, Red, Vibrating Bell (Wheelock 43T-G6-24-R).....	131.61	27.52
28 46 21 33-2165	EA		6", 115 VAC, Red, Vibrating Bell (Wheelock 43T-G6-115-R).....	131.61	27.52
28 46 21 33-2166	EA		10", 115 VAC, Red, Vibrating Bell (Wheelock 43T-G10-115-R).....	173.76	27.52
28 46 21 33-2167	EA		115 VAC, Single Stroke, Red, 10" Explosion Proof Bell (Wheelock CSX10-115-R).....	1,250.56	31.19
28 46 21 33-2168	EA		Outdoor, 115 VAC, Single Stroke, Red, 10" Explosion Proof Bell (Wheelock CSXG10-115-R).....	1,983.77	31.19
28 46 21 33-2169	EA		Vibrating, Outdoor, 115 VAC, Single Stroke, Red, 10" Explosion Proof Bell (Wheelock CVXG10-115-R).....	1,852.35	31.19
28 46 21 33-2170	EA		6", ADA, 24 VDC, Red, Motor Bell (Wheelock MB-G6-24-R).....	104.42	27.52
28 46 21 33-2171	EA		10", ADA, 24 VDC, Red, Motor Bell (Wheelock MB-G10-24-R).....	125.72	27.52
<b>28 46 21 33-2172</b>			<b>Horns</b> (28 46 21 33-2104)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21 33-2173 EA Two Wire, 24 VDC, Indoor Or Outdoor, Continuous Or Code 3, Sync Or Non Sync Horn (Wheelock AH-24WP-R).....	91.28	27.52
28 46 21 33-2174 EA Red, Two Wire, 12/24 VDC, Wall Mounted Horn (Wheelock HNR).....	90.83	27.52
28 46 21 33-2175 EA White, Two Wire, 12/24 VDC, Wall Mounted Horn (Wheelock HNW).....	90.83	27.52
28 46 21 33-2176 EA Red, Two Wire, 12/24 VDC, Ceiling Mounted Horn (Wheelock HNR).....	91.28	27.52
28 46 21 33-2177 EA White, Two Wire, 12/24 VDC, Ceiling Mounted Horn (Wheelock HNC).....	91.28	27.52
28 46 21 33-2178 EA Red, 24 VDC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-R).....	75.88	27.52
28 46 21 33-2179 EA White, 24 VDC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-W).....	75.88	27.52
28 46 21 33-2180 EA Red, Flush, 12/24 VAC, Horn (Wheelock MT-12/24-R).....	89.02	27.52
<b>28 46 21 33-2181 Speakers</b> <small>(28 46 21 33-2104)</small>		
28 46 21 33-2182 EA Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Mounted Speaker (Wheelock E50-R).....	94.00	27.52
28 46 21 33-2183 EA White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Mounted Speaker (Wheelock E50-W).....	94.00	27.52
28 46 21 33-2184 EA Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Ceiling Mounted Speaker (Wheelock E60-R).....	94.00	27.52
28 46 21 33-2185 EA White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Ceiling Mounted Speaker (Wheelock E60-W).....	91.74	27.52
28 46 21 33-2186 EA Red, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Or Ceiling Mounted Speaker (Wheelock E70-R).....	94.00	27.52
28 46 21 33-2187 EA White, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Or Ceiling Mounted Speaker (Wheelock E70-W).....	94.00	27.52
28 46 21 33-2188 EA Red, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Or Ceiling Mounted Speaker (Wheelock E90-R).....	94.00	27.52
28 46 21 33-2189 EA White, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watts, Wall Or Ceiling Mounted Speaker (Wheelock E90-W).....	94.00	27.52
28 46 21 33-2190 EA Red, Flush Or Surface, Square, 1/8 - 8 Watts, Wall Mounted Speaker (Wheelock ET70-R).....	108.50	27.52
28 46 21 33-2191 EA White, Flush Or Surface, Square, 1/8 - 8 Watts, Wall Mounted Speaker (Wheelock ET70-W).....	108.50	27.52
28 46 21 33-2192 EA White, Round, 25 Or 70.7 VRMS, 1/8 - 8 Watts Ceiling Mounted Speaker (Wheelock ET90-W).....	110.32	27.52
28 46 21 33-2193 EA Red, Surface Mounted, Vandal Resistant, Square, 1/8 - 8 Watts, Wall Or Ceiling Mounted Speaker (Wheelock ET-1010-R).....	123.46	27.52
28 46 21 33-2194 EA Red, Flush Mounted, Vandal Resistant, Square, 1/8 - 8 Watts, Wall Or Ceiling Mounted Speaker (Wheelock ET-1080-R).....	117.57	27.52
28 46 21 33-2195 EA Grey, 1 To 15 Watts, 25/70/100 V Transformer, Loud Speaker (Wheelock STH-15S).....	235.39	27.52
28 46 21 33-2196 EA Red, 1 To 15 Watts, 25/70/100 V Transformer, Loud Speaker (Wheelock STH-15SR).....	235.39	27.52
<b>28 46 21 33-2197 Sync Modules</b> <small>(28 46 21 33-2104)</small>		
28 46 21 33-2198 EA 12 Or 24 VDC, Single Circuit Class B, Sync Module (Wheelock SM-12/24-R).....	107.38	18.35
<b>28 46 21 33-2199 Boxes, Plates And Rings</b> <small>(28 46 21 33-2104)</small>		
28 46 21 33-2200 EA 4" Square, Red, Surface Backbox (Wheelock BB-R).....	26.73	9.17
28 46 21 33-2201 EA Standard 4" Square Box (Wheelock BB-STD).....	24.33	9.17
28 46 21 33-2202 EA Black, Backbox For UZC-256 (Wheelock BB-UZC).....	150.89	18.35
28 46 21 33-2203 EA Red, Backbox For UZC-256 (Wheelock BB-UZC-R).....	150.89	18.35
28 46 21 33-2204 EA 9" x 12" x 2.75", For Two XP Boards, Surface Mounted Cabinet (Wheelock BB-XP).....	111.83	14.68
28 46 21 33-2205 EA Red, Extender Ring For E60 Series (Wheelock E60EXT-R).....	15.27	3.67
28 46 21 33-2206 EA White, Extender Ring For E60 Series (Wheelock E60EXT-W).....	15.04	3.67
28 46 21 33-2207 EA Red, Surface Mounted Backbox For E50 Speakers (Wheelock E50SB-R).....	36.02	9.17
28 46 21 33-2208 EA White, Surface Mounted Backbox For E50 Speakers (Wheelock E50SB-W).....	34.21	9.17
28 46 21 33-2209 EA Red, Surface Mounted Backbox For E50 Speaker Strobe (Wheelock E50SSB-R).....	36.93	9.17
28 46 21 33-2210 EA White, Surface Mounted Backbox For E50 Speaker Strobe (Wheelock E50SSB-W).....	36.93	9.17
28 46 21 33-2211 EA 4" Square Backbox (Wheelock DBB-R).....	28.77	9.17
28 46 21 33-2212 EA Red, Surface Backbox (Wheelock IOB-R).....	35.12	9.17
28 46 21 33-2213 EA White, Surface, Backbox (Wheelock IOB-W).....	35.12	9.17
28 46 21 33-2214 EA White, Indoor, Surface Extender (Wheelock ISP2-W).....	14.36	3.67
28 46 21 33-2215 EA Red, RS/RSS Strobe Trim Plate (Wheelock NATP-R).....	15.04	3.67
28 46 21 33-2216 EA White, RS/RSS Strobe Trim Plate (Wheelock NATP-W).....	15.04	3.67
28 46 21 33-2217 EA Red Retrofit Plate (Wheelock RP-R).....	17.76	3.67
28 46 21 33-2218 EA 4" Speaker/Strobe Ceiling Tile Support Bracket (Wheelock SSB-4).....	26.37	3.67
28 46 21 33-2219 EA Red, Surface Mounted, Backbox For Chimes, Speakers (Wheelock SBB-R).....	36.93	9.17
28 46 21 33-2220 EA White, Surface Mounted, Backbox For Chimes, Speaker (Wheelock SBB-W).....	36.93	9.17
28 46 21 33-2221 EA Red, Surface Mounted, Backbox For With RSSP (Wheelock SBL2-R).....	40.33	9.17
28 46 21 33-2222 EA Red, Semi-Flush Plate (Wheelock SFB-R).....	15.72	3.67
28 46 21 33-2223 EA White, Semi-Flush Plate (Wheelock SFB-W).....	15.72	3.67
28 46 21 33-2224 EA Red, Shallow Surface Mounted, Backbox (Wheelock SHBB-R).....	31.94	9.17
28 46 21 33-2225 EA White, Shallow Surface Mounted, Backbox (Wheelock SHBB-W).....	31.94	9.17
28 46 21 33-2226 EA Red, Adapter Plate For Mounting Sth-15S And Sth-15SR (Wheelock SHMP-R).....	22.52	3.67
28 46 21 33-2227 EA Red, Weatherproof Backbox (Wheelock WBB).....	47.35	9.17
28 46 21 33-2228 EA Weather Resistant Backbox (Wheelock WBB-R).....	36.93	9.17
28 46 21 33-2229 EA Red, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-R).....	29.32	3.67
28 46 21 33-2230 EA White, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-W).....	29.32	3.67
28 46 21 33-2231 EA Red, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-R).....	29.32	3.67
28 46 21 33-2232 EA White, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-W).....	29.32	3.67
28 46 21 33-2233 EA Gasket Kit For Rear Wiring To Outdoor Backbox (Wheelock WP-KIT).....	15.72	3.67
28 46 21 33-2234 EA Weather Resistant Backbox For ASWP (Wheelock WPBB-R).....	39.20	9.17
28 46 21 33-2235 EA Weather Resistant Backbox For RSSWP (Wheelock WPSBB-R).....	36.93	9.17
<b>28 46 21 33-2236 Manual Pull Station</b> <small>(28 46 21 33-2104)</small>		
28 46 21 33-2237 EA SPST, Single Action, Manual Pull Station (Eaton Wheelock MPS-100).....	78.77	18.35
28 46 21 33-2238 EA SPST, Double Action, Manual Pull Station (Eaton Wheelock MPS-200).....	78.77	18.35
28 46 21 33-2239 EA Explosion Proof, Single Action Manual Pull Station (Eaton Wheelock MPS-400X).....	672.05	18.35
<b>28 46 21 33-2240 Potter Fire Alarm</b> <small>(28 46 21 33)</small>		

**28 Electronic Safety And Security****28 40 Life Safety****28 46 Fire Detection And Alarm**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 21	33-2241		<b>Electric Alarm Bells</b> (28 46 21 33-2240)		
28 46 21	33-2242	EA	6" Alarm Bell, 12 Volt DC (Potter MBA-6-12) .....	76.83	27.52
28 46 21	33-2243	EA	8" Alarm Bell, 12 Volt DC (Potter MBA-8-12) .....	83.72	27.52
28 46 21	33-2244	EA	10" Alarm Bell, 12 Volt DC (Potter MBA-10-12) .....	87.16	27.52
28 46 21	33-2245	EA	6" Alarm Bell, 24 Volt DC (Potter MBA-6-24) .....	76.83	27.52
28 46 21	33-2246	EA	8" Alarm Bell, 24 Volt DC (Potter MBA-8-24) .....	83.72	27.52
28 46 21	33-2247	EA	10" Alarm Bell, 24 Volt DC (Potter MBA-10-24) .....	87.16	27.52
28 46 21	33-2248	EA	6" Alarm Bell, 24 Volt AC (Potter PBA246) .....	82.68	27.52
28 46 21	33-2249	EA	8" Alarm Bell, 24 Volt AC (Potter PBA248) .....	85.98	27.52
28 46 21	33-2250	EA	10" Alarm Bell, 24 Volt AC (Potter PBA2410) .....	105.45	27.52
28 46 21	33-2251	EA	6" Alarm Bell, 120 Volt AC (Potter PBA1206) .....	77.83	27.52
28 46 21	33-2252	EA	8" Alarm Bell, 120 Volt AC (Potter PBA1208) .....	85.98	27.52
28 46 21	33-2253	EA	10" Alarm Bell, 120 Volt AC (Potter PBA12010) .....	92.80	27.52
28 46 21	33-2254		<b>Manual Pull Station</b> (28 46 21 33-2240)		
28 46 21	33-2255	EA	SPST, Single Action, Manual Pull Station (Potter P32-1T) .....	56.21	18.35
28 46 21	33-2256	EA	DPST, Single Action, Manual Pull Station (Potter RMS-2T) .....	59.33	18.35
28 46 21	33-2257	EA	DPST, Single Action, Manual Pull Station (Potter RMS-6T) .....	94.53	18.35
28 46 21	33-2258	EA	DPST, Single Action, Key Reset Manual Pull Station (Potter RMS-1T-KL) .....	61.28	18.35
28 46 21	33-2259	EA	SPST, Dual Action, Manual Pull Station (Potter P32-1T-LP) .....	57.98	18.35
28 46 21	33-2260	EA	SPST, Weather Proof, Manual Pull Station (Potter RMS-1T-WP) .....	105.53	18.35
28 46 21	33-2261	EA	SPST, Weather Proof Dual Action, Manual Pull Station (Potter RMS-1T-WP-LP) .....	131.78	18.35
28 46 21	33-2262		<b>Fire Alarm Terminal Cabinets</b> (28 46 21 33)		
28 46 21	33-2263	EA	18 Point Lockable Fire Alarm Terminal Cabinet .....	146.91	36.76
28 46 21	33-2264	EA	32 Point Lockable Fire Alarm Terminal Cabinet .....	190.96	36.76
28 46 21	33-2265	EA	64 Point Lockable Fire Alarm Terminal Cabinet .....	279.06	36.76
28 46 21	33-2266	EA	128 Point Lockable Fire Alarm Terminal Cabinet .....	367.13	36.76

**28 49 Electronic Personal Protection Systems** (28 40)**28 49 11 Electronic Personal Safety Detection Systems** (28 49)**28 49 11 00-0001 Identipass Card Access Control System** (28 49 11)

Note: Excludes wiring and programming.

28 49 11 00-0002	EA	Indala Proximity Keytags (IDENT ASC-116) .....	5.11	
28 49 11 00-0003	EA	Indala Flexcard Proximity Card, 26bit (IDENT ASC-121T) .....	2.98	
28 49 11 00-0004	EA	Communications Converter (IDENT F55-485/conv) .....	335.17	18.35
28 49 11 00-0005	EA	4-Door Controller (IDENT F55-9CTLR/6) .....	2,515.57	146.75
28 49 11 00-0006	EA	User Interface (IDENT F55-IPASSU) .....	1,366.82	36.69
28 49 11 00-0007	EA	Network Interface (IDENT F55-NETLINK) .....	378.50	36.69
28 49 11 00-0008	EA	4-Reader Expansion Board (IDENT F55-RDR/EXPD) .....	985.21	18.35
28 49 11 00-0009	EA	Remote Input/Output Board (IDENT F55-RIO/BRD) .....	1,609.54	91.72
28 49 11 00-0010	EA	Proximity Card Reader (IDENT F55-L/F 26SB) .....	378.91	73.38
28 49 11 00-0011	EA	Slimline Flexpass Proximity Card Reader (IDENT F60-L/F26SB) .....	378.91	73.38
28 49 11 00-0012	EA	Proximity Card Reader (IDENT F60 L/F 28WB) .....	378.91	73.38

**28 49 11 00-0013 Personnel Alarm Locating System** (28 49 11)

Note: Includes a central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels, eighty (80) personal alarm transmitters with lithium batteries, eighty (80) lapel readers, two hundred fifty (250) IR locators, twenty one (21) repeaters and receivers, back boxes, cables.

28 49 11 00-0014	EA	Personnel Alarm Locating System .....	13,397.12	589.08
28 49 11 00-0015	EA	Personnel Alarm Transmitters With Lithium Batteries .....	105.90	
28 49 11 00-0016	EA	Lapel Reader .....	40.73	
28 49 11 00-0017	EA	IR Locator .....	149.99	22.06
28 49 11 00-0018	EA	Repeaters And Receivers .....	366.97	73.51

**28 49 17 Electronic Personal Safety Emergency Aid Devices** (28 49)**28 49 17 00-0001 Electronic Personal Safety Emergency Aid Devices (Edwards Signaling)** (28 49 17)**28 49 17 00-0002 Call For Assistance Kits, Emergency Aid Devices (Edwards Signaling)** (28 49 17 00-0001)

28 49 17 00-0003	EA	Pull Cord Call For Assistance Kit With Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7008B-N5) .....	196.01	44.11
28 49 17 00-0004	EA	Push Button Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 7005-G5) .....	232.53	51.46
28 49 17 00-0005	EA	Pull Cord Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6538-G5) .....	234.23	51.46

Note: Includes 1 high intensity strobe/horn (6536-G5), 1 emergency pull cord station (6537), and 1 transformer 592.

Note: Includes 1 high intensity strobe/horn (6536-G5), 1 wall mounted push button (620/147-10), and 1 transformer 592.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>28 49 17 00-0006 Audible/Visual Signaling Devices, Emergency Aid Devices (Edwards Signaling)</b> <small>(28 49 17 00-0001)</small>		
28 49 17 00-0007 EA High Intensity Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7007B-N5) .....	143.98	27.57
28 49 17 00-0008 EA High Intensity Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6536-G5) .....	139.97	22.06
28 49 17 00-0009 EA Transformer For High Intensity Strobe/Horns, Emergency Aid Devices (Edwards Signaling 592) .....	65.61	22.06
28 49 17 00-0010 EA 1 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-1N5).....	113.57	22.06
28 49 17 00-0011 EA 2 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-2N5).....	130.71	22.06
28 49 17 00-0012 EA 4 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-4G5) .....	148.50	22.06
28 49 17 00-0013 EA 2 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-2).....	205.70	22.06
28 49 17 00-0014 EA 4 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-4).....	230.31	22.06
<b>28 49 17 00-0015 Call Activation Devices, Emergency Aid Devices (Edwards Signaling)</b> <small>(28 49 17 00-0001)</small>		
28 49 17 00-0016 EA Double Pole Single Throw Switch, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 6537) .....	87.13	22.06
28 49 17 00-0017 EA Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7603E) .....	128.00	22.06
28 49 17 00-0018 EA Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7613E) .....	167.46	22.06
28 49 17 00-0019 EA 3 Maintained Contacts, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7302).....	178.59	7.35
28 49 17 00-0020 EA Bedside Wall Station Receptacle, Emergency Aid Devices (Edwards Signaling 7930) .....	131.65	22.06
28 49 17 00-0021 EA Bedside Wall Station Receptacle With Lamp, Emergency Aid Devices (Edwards Signaling 7930L) .....	155.25	22.06
28 49 17 00-0022 EA Locking Button, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7932L) .....	262.78	22.06
28 49 17 00-0023 EA Pendant Push Button, Emergency Aid Devices (Edwards Signaling 7620) .....	125.16	22.06
28 49 17 00-0024 EA Single 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7675) .....	151.01	7.35
28 49 17 00-0025 EA Double 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7676) .....	233.37	7.35
28 49 17 00-0026 EA Single 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7685) .....	238.44	7.35
28 49 17 00-0027 EA Double 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7686) .....	314.07	7.35

**END OF SECTION 28**

**28 Electronic Safety And Security**

28 40 Life Safety

28 49 Electronic Personal Protection Systems



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MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 31 Earthwork

### 31 05 Common Work Results For Earthwork <sup>(31)</sup>

#### 31 05 13 Soils For Earthwork <sup>(31 05)</sup>

Note: Includes delivery up to 15 miles from the closest approved source and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0032 for hauling greater than 15 miles.

#### 31 05 13 00-0001 Fill Material (Loose, Purchased Material) <sup>(31 05 13)</sup>

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0032 for hauling greater than 15 miles.

31 05 13 00-0002	CY Bank Run/Fill Sand .....	26.98	
	For Up To 8, Add	5.40	
	For >8 To 16, Add	2.70	
	For >48 To 64, Deduct	-1.81	
	For >64 To 96, Deduct	-3.16	
	For >96, Deduct	-4.50	
31 05 13 00-0003	CY Screened/Washed Filter/Septic Sand .....	33.12	
	For Up To 8, Add	6.62	
	For >8 To 16, Add	3.31	
	For >48 To 64, Deduct	-2.11	
	For >64 To 96, Deduct	-3.77	
	For >96, Deduct	-5.43	
31 05 13 00-0004	CY 3/8" Minus, ASTM C33, Screened/Washed Bedding Sand.....	47.88	
	For Up To 8, Add	9.58	
	For >8 To 16, Add	4.79	
	For >48 To 64, Deduct	-2.85	
	For >64 To 96, Deduct	-5.25	
	For >96, Deduct	-7.64	
31 05 13 00-0005	CY 3/16" Minus, Screened/Washed Concrete Sand.....	42.35	
	For Up To 8, Add	8.47	
	For >8 To 16, Add	4.24	
	For >48 To 64, Deduct	-2.57	
	For >64 To 96, Deduct	-4.69	
	For >96, Deduct	-6.81	
31 05 13 00-0006	CY 3/32" Minus, Screened/Washed Masonry/Mortar Sand .....	80.48	
	For Up To 8, Add	16.10	
	For >8 To 16, Add	8.05	
	For >48 To 64, Deduct	-4.48	
	For >64 To 96, Deduct	-8.51	
	For >96, Deduct	-12.53	
31 05 13 00-0007	CY Native Soil/Dirt - Common Fill.....	34.97	
	For Up To 8, Add	6.99	
	For >8 To 16, Add	3.50	
	For >48 To 64, Deduct	-2.21	
	For >64 To 96, Deduct	-3.95	
	For >96, Deduct	-5.70	
31 05 13 00-0008	CY Lime Rock Screening.....	31.10	
	For Up To 8, Add	6.22	
	For >8 To 16, Add	3.11	
	For >48 To 64, Deduct	-2.01	
	For >64 To 96, Deduct	-3.57	
	For >96, Deduct	-5.12	
31 05 13 00-0009	CY Crushed Lime Rock Maximum 3-1/2" .....	31.10	
	For Up To 8, Add	6.22	
	For >8 To 16, Add	3.11	
	For >48 To 64, Deduct	-2.01	
	For >64 To 96, Deduct	-3.57	
	For >96, Deduct	-5.12	
31 05 13 00-0010	CY Recycled Concrete Aggregate.....	27.28	
	For Up To 8, Add	5.46	
	For >8 To 16, Add	2.73	
	For >48 To 64, Deduct	-1.82	
	For >64 To 96, Deduct	-3.19	
	For >96, Deduct	-4.55	
31 05 13 00-0011	CY Pitrun Clay .....	53.42	
	For Up To 8, Add	10.68	
	For >8 To 16, Add	5.34	
	For >48 To 64, Deduct	-3.13	
	For >64 To 96, Deduct	-5.80	
	For >96, Deduct	-8.47	
31 05 13 00-0012	CY Light Clay / Loam.....	42.29	
	For Up To 8, Add	8.46	
	For >8 To 16, Add	4.23	
	For >48 To 64, Deduct	-2.57	
	For >64 To 96, Deduct	-4.69	
	For >96, Deduct	-6.80	
31 05 13 00-0013	CY Heavy Clay .....	53.42	
	For Up To 8, Add	10.68	
	For >8 To 16, Add	5.34	
	For >48 To 64, Deduct	-3.13	
	For >64 To 96, Deduct	-5.80	
	For >96, Deduct	-8.47	

**31 Earthwork****31 05 Common Work Results For Earthwork****31 05 13 Soils For Earthwork**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**31 05 16 Aggregates For Earthwork** <sup>(31 05)</sup>

See CSI section 01 74 19 00-0032 for hauling greater than 15 miles.

31 05 16 00-0001 Aggregate (Loose, Purchased Material) <sup>(31 05 16)</sup>		
Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0032 for hauling greater than 15 miles.		
31 05 16 00-0002	CY #2 Stone Aggregate Fill (1-1/2" To 2-1/2") .....	43.58
	For Up To 8, Add	8.72
	For >8 To 16, Add	4.36
	For >48 To 64, Deduct	-2.64
	For >64 To 96, Deduct	-4.82
	For >96, Deduct	-6.99
31 05 16 00-0003	CY #3 Stone Aggregate Fill (3/4" To 2") .....	56.32
	For Up To 8, Add	11.26
	For >8 To 16, Add	5.63
	For >48 To 64, Deduct	-3.27
	For >64 To 96, Deduct	-6.09
	For >96, Deduct	-8.91
31 05 16 00-0004	CY #4 Stone Aggregate Fill (3/4" To 1-1/2") .....	43.58
	For Up To 8, Add	8.72
	For >8 To 16, Add	4.36
	For >48 To 64, Deduct	-2.64
	For >64 To 96, Deduct	-4.82
	For >96, Deduct	-6.99
31 05 16 00-0005	CY #5 Stone Aggregate Fill (1/2" To 1") .....	76.30
	For Up To 8, Add	15.26
	For >8 To 16, Add	7.63
	For >48 To 64, Deduct	-4.27
	For >64 To 96, Deduct	-8.09
	For >96, Deduct	-11.90
31 05 16 00-0006	CY #6 Stone Aggregate Fill (3/8" To 3/4") .....	54.43
	For Up To 8, Add	10.89
	For >8 To 16, Add	5.44
	For >48 To 64, Deduct	-3.18
	For >64 To 96, Deduct	-5.90
	For >96, Deduct	-8.62
31 05 16 00-0007	CY #56 Stone Aggregate Fill (3/8" To 1") .....	63.35
	For Up To 8, Add	12.67
	For >8 To 16, Add	6.34
	For >48 To 64, Deduct	-3.62
	For >64 To 96, Deduct	-6.79
	For >96, Deduct	-9.96
31 05 16 00-0008	CY #57 Stone Aggregate Fill (3/8" To 1") .....	50.96
	For Up To 8, Add	10.19
	For >8 To 16, Add	5.10
	For >48 To 64, Deduct	-3.01
	For >64 To 96, Deduct	-5.55
	For >96, Deduct	-8.10
31 05 16 00-0009	CY #67 Or #68 Stone Aggregate Fill (3/16" To 3/4") .....	40.12
	For Up To 8, Add	8.02
	For >8 To 16, Add	4.01
	For >48 To 64, Deduct	-2.46
	For >64 To 96, Deduct	-4.47
	For >96, Deduct	-6.48
31 05 16 00-0010	CY #7 Stone Aggregate Fill (3/8" To 1/2") .....	76.30
	For Up To 8, Add	15.26
	For >8 To 16, Add	7.63
	For >48 To 64, Deduct	-4.27
	For >64 To 96, Deduct	-8.09
	For >96, Deduct	-11.90
31 05 16 00-0011	CY #78 Stone Aggregate Fill (3/32" To 1/2") .....	53.42
	For Up To 8, Add	10.68
	For >8 To 16, Add	5.34
	For >48 To 64, Deduct	-3.13
	For >64 To 96, Deduct	-5.80
	For >96, Deduct	-8.47
31 05 16 00-0012	CY #8 Stone Aggregate Fill (3/32" To 3/8") .....	55.72
	For Up To 8, Add	11.14
	For >8 To 16, Add	5.57
	For >48 To 64, Deduct	-3.24
	For >64 To 96, Deduct	-6.03
	For >96, Deduct	-8.82
31 05 16 00-0013	CY #89 Stone Aggregate Fill (1/16" To 3/8") .....	46.04
	For Up To 8, Add	9.21
	For >8 To 16, Add	4.60
	For >48 To 64, Deduct	-2.76
	For >64 To 96, Deduct	-5.06
	For >96, Deduct	-7.36
31 05 16 00-0014	CY #9 Stone Aggregate Fill (3/32" To 3/16") .....	70.02
	For Up To 8, Add	14.00
	For >8 To 16, Add	7.00
	For >48 To 64, Deduct	-3.96
	For >64 To 96, Deduct	-7.46
	For >96, Deduct	-10.96



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0015 CY #10 Stone Aggregate Fill (1/16" To 3/16") .....	60.80	
<i>For Up To 8, Add</i>	12.16	
<i>For &gt;8 To 16, Add</i>	6.08	
<i>For &gt;48 To 64, Deduct</i>	-3.50	
<i>For &gt;64 To 96, Deduct</i>	-6.54	
<i>For &gt;96, Deduct</i>	-9.58	
31 05 16 00-0016 CY #610 Modified Stone Aggregate Fill (1/16" To 3/4") .....	49.73	
<i>For Up To 8, Add</i>	9.95	
<i>For &gt;8 To 16, Add</i>	4.97	
<i>For &gt;48 To 64, Deduct</i>	-2.94	
<i>For &gt;64 To 96, Deduct</i>	-5.43	
<i>For &gt;96, Deduct</i>	-7.92	
31 05 16 00-0017 CY Screenings Stone Aggregate Fill (3/16" Max) .....	71.13	
<i>For Up To 8, Add</i>	14.23	
<i>For &gt;8 To 16, Add</i>	7.11	
<i>For &gt;48 To 64, Deduct</i>	-4.01	
<i>For &gt;64 To 96, Deduct</i>	-7.57	
<i>For &gt;96, Deduct</i>	-11.13	
31 05 16 00-0018 CY Over 6" To 12" Stone Aggregate Fill, Random Size .....	44.81	
<i>For Up To 8, Add</i>	8.96	
<i>For &gt;8 To 16, Add</i>	4.48	
<i>For &gt;48 To 64, Deduct</i>	-2.70	
<i>For &gt;64 To 96, Deduct</i>	-4.94	
<i>For &gt;96, Deduct</i>	-7.18	
31 05 16 00-0019 CY Over 6" To 12" Graded Stone Aggregate Fill .....	44.81	
<i>For Up To 8, Add</i>	8.96	
<i>For &gt;8 To 16, Add</i>	4.48	
<i>For &gt;48 To 64, Deduct</i>	-2.70	
<i>For &gt;64 To 96, Deduct</i>	-4.94	
<i>For &gt;96, Deduct</i>	-7.18	
31 05 16 00-0020 CY 3" To 7" Surge Stone Aggregate Fill, Random Size .....	64.76	
<i>For Up To 8, Add</i>	12.95	
<i>For &gt;8 To 16, Add</i>	6.48	
<i>For &gt;48 To 64, Deduct</i>	-3.70	
<i>For &gt;64 To 96, Deduct</i>	-6.93	
<i>For &gt;96, Deduct</i>	-10.17	
31 05 16 00-0021 CY 3" To 7" Surge Stone Graded Aggregate Fill .....	61.42	
<i>For Up To 8, Add</i>	12.28	
<i>For &gt;8 To 16, Add</i>	6.14	
<i>For &gt;48 To 64, Deduct</i>	-3.53	
<i>For &gt;64 To 96, Deduct</i>	-6.60	
<i>For &gt;96, Deduct</i>	-9.67	
31 05 16 00-0022 CY 2" To 2-1/2" Crusher Run Aggregate Fill .....	26.62	
<i>For Up To 8, Add</i>	5.32	
<i>For &gt;8 To 16, Add</i>	2.66	
<i>For &gt;48 To 64, Deduct</i>	-1.79	
<i>For &gt;64 To 96, Deduct</i>	-3.12	
<i>For &gt;96, Deduct</i>	-4.45	
31 05 16 00-0023 CY 1" To 1-1/2" Crusher Run Aggregate Fill .....	29.80	
<i>For Up To 8, Add</i>	5.96	
<i>For &gt;8 To 16, Add</i>	2.98	
<i>For &gt;48 To 64, Deduct</i>	-1.95	
<i>For &gt;64 To 96, Deduct</i>	-3.44	
<i>For &gt;96, Deduct</i>	-4.93	
31 05 16 00-0024 CY 3/8" To 3/4" Crusher Run Aggregate Fill .....	27.74	
<i>For Up To 8, Add</i>	5.55	
<i>For &gt;8 To 16, Add</i>	2.77	
<i>For &gt;48 To 64, Deduct</i>	-1.84	
<i>For &gt;64 To 96, Deduct</i>	-3.23	
<i>For &gt;96, Deduct</i>	-4.62	
31 05 16 00-0025 CY Miscellaneous Crushed Base, Processed Concrete, Paving .....	35.89	
<i>For Up To 8, Add</i>	7.18	
<i>For &gt;8 To 16, Add</i>	3.59	
<i>For &gt;48 To 64, Deduct</i>	-2.25	
<i>For &gt;64 To 96, Deduct</i>	-4.05	
<i>For &gt;96, Deduct</i>	-5.84	

**31 05 36 Equipment Delivery, Pickup, Mobilization And Demobilization** <sup>(31)</sup>

<sup>(05)</sup> See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

**31 08 Commissioning of Earthwork** <sup>(31)</sup>

**31 08 13 Pile Load Testing** <sup>(31 08)</sup>

**31 08 13 00-0001 Pile Test By Load Ranges** <sup>(31 08 13)</sup>

31 08 13 00-0002 EA Pile Load Test, 50 To 100 Ton Design Load .....	23,213.97
<i>For Barge Mounted Testing, Add</i>	9,285.59
<i>For Testing In Wet/Soft Soil Condition, Add</i>	6,964.19
31 08 13 00-0003 EA Pile Load Test, 101 To 200 Ton Design Load .....	27,321.00
<i>For Barge Mounted Testing, Add</i>	10,928.40
<i>For Testing In Wet/Soft Soil Condition, Add</i>	8,196.30
31 08 13 00-0004 EA Pile Load Test, 201 To 300 Ton Design Load .....	32,954.86
<i>For Barge Mounted Testing, Add</i>	13,181.94
<i>For Testing In Wet/Soft Soil Condition, Add</i>	9,886.46



<b>31</b>	<b>31 Earthwork</b>
	<b>31 08 Commissioning of Earthwork</b>
	<b>31 08 13 Pile Load Testing</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 08 13 00-0005	EA Pile Load Test, 301 To 400 Ton Design Load.....	40,016.73	
	For Barge Mounted Testing, Add	16,006.69	
	For Testing In Wet/Soft Soil Condition, Add	12,005.02	

**31 10 Site Clearing** <sup>(31)</sup>

**31 11 Clearing And Grubbing** <sup>(31 10)</sup>

31 11 00 00-0001	Clear And Grub Roots And Stumps <sup>(31 11)</sup>		
	Note: Tree diameter (diameter at breast height) is the diameter of the tree trunk measured at 4.5' above ground level. Based on tree density (light, medium or heavy) to be removed. Excludes loading.		
31 11 00 00-0002	ACR Clear And Grub Light Trees Up To 6" Diameter, Cut And Chip .....	4,208.77	
	Note: Includes grub and removal of stump		
31 11 00 00-0003	ACR Clear And Grub Light Stumps Only Up To 6" Diameter .....	1,188.65	
31 11 00 00-0004	ACR Clear And Grub Medium Trees Up To 10" Diameter, Cut And Chip .....	4,910.24	
	Note: Includes grub and removal of stump		
31 11 00 00-0005	ACR Clear And Grub Medium Stumps Only Up To 10" Diameter .....	1,981.09	
31 11 00 00-0006	ACR Clear And Grub Heavy Trees Up To 16" Diameter, Cut And Chip .....	5,579.81	
	Note: Includes grub and removal of stump		
31 11 00 00-0007	ACR Clear And Grub Heavy Stumps Only Up To 16" Diameter .....	2,251.51	
31 11 00 00-0008	ACR Clearing By Machine - Light Brush Without Grub .....	154.72	
31 11 00 00-0009	ACR Clearing By Machine - Medium Brush Without Grub .....	336.86	
31 11 00 00-0010	ACR Clearing By Machine - Heavy Brush Without Grub .....	477.42	
31 11 00 00-0011	ACR Chipping - Light Brush .....	1,309.63	
31 11 00 00-0012	ACR Chipping - Medium Brush .....	1,683.90	
31 11 00 00-0013	ACR Chipping - Heavy Brush .....	2,357.67	

**31 11 00 00-0014 Loading Of Cleared And Grubbed Material** <sup>(31 11)</sup>

31 11 00 00-0015	CY Machine Loading Of Cleared And Grubbed Material .....	5.72	
31 11 00 00-0016	CY Chute Loading Of Cleared And Grubbed Material .....	6.87	
31 11 00 00-0017	CY Hand Loading Of Cleared And Grubbed Material .....	17.71	
31 11 00 00-0018	CY Wheel And Ramp Loading Of Cleared And Grubbed Material .....	13.91	

**31 11 00 00-0019 Burning Of Cleared Land Debris (Limbs, Stumps, Brush, Etcetera)** <sup>(31 11)</sup>

31 11 00 00-0020	HR Burning Of Cleared Land Debris (4 Hour Minimum) .....	326.25	
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**31 11 00 00-0021 Drum Grinding Of Cleared Land Debris (Limbs, Stumps, Brush, Etcetera)** <sup>(31 11)</sup>

31 11 00 00-0022	HR Drum Grinding Of Cleared Land Debris (4 Hour Minimum) .....	257.84	
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**31 13 Selective Tree And Shrub Removal And Trimming** <sup>(31 10)</sup>

**31 13 13 Selective Tree And Shrub Removal** <sup>(31 13)</sup>

31 13 13 00-0001	Individual Tree Removal <sup>(31 13 13)</sup>		
	Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding.		
31 13 13 00-0002	EA Up To 6" D.B.H. (Diameter At Breast Height) Tree Removal .....	306.89	
	Note: Includes cutting up tree, chipping and loading.		
	For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	-76.72	
31 13 13 00-0003	EA >6" To 12" D.B.H. (Diameter At Breast Height) Tree Removal .....	460.34	
	Note: Includes cutting up tree, chipping and loading.		
	For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	-115.09	
31 13 13 00-0004	EA >12" To 24" D.B.H. (Diameter At Breast Height) Tree Removal .....	613.78	
	Note: Includes cutting up tree, chipping and loading.		
	For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	-153.45	
31 13 13 00-0005	EA >24" To 36" D.B.H. (Diameter At Breast Height) Tree Removal .....	920.66	
	Note: Includes cutting up tree, chipping and loading.		
	For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	-230.17	
31 13 13 00-0006	EA >36" To 48" D.B.H. (Diameter At Breast Height) Tree Removal .....	1,227.56	
	Note: Includes cutting up tree, chipping and loading.		
	For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	-306.89	
31 13 13 00-0007	Stump Removal <sup>(31 13 13)</sup>		
	Note: Measured by diameter of stump.		
31 13 13 00-0008	Stump Removal By Machine <sup>(31 13 13 00-0007)</sup>		
31 13 13 00-0009	EA Up To 6" Diameter Stump Removal .....	59.44	
	Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0010	EA >6" To 12" Diameter Stump Removal .....	113.91	
	Note: Includes excavation necessary to remove stump and loading.		



<b>Earthwork</b>	<b>31</b>	<b>13</b>
<b>Site Clearing</b>	<b>31 10</b>	
<b>Selective Tree And Shrub Removal And Trimming</b>	<b>31 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0011 EA >12" To 24" Diameter Stump Removal..... Note: Includes excavation necessary to remove stump and loading.	148.58	
31 13 13 00-0012 EA >24" To 36" Diameter Stump Removal..... Note: Includes excavation necessary to remove stump and loading.	222.88	
31 13 13 00-0013 EA >36" To 48" Diameter Stump Removal..... Note: Includes excavation necessary to remove stump and loading.	262.51	
<b>31 13 13 00-0014 Stump Removal By Hand</b> <small>(31 13 13 00-0007)</small>		
31 13 13 00-0015 EA Up To 6" Diameter Stump Removal By Hand..... Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	313.33	
31 13 13 00-0016 EA >6" To 12" Diameter Stump Removal By Hand..... Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	391.67	
31 13 13 00-0017 EA >12" To 24" Diameter Stump Removal By Hand..... Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	574.45	
31 13 13 00-0018 EA >24" To 36" Diameter Stump Removal By Hand..... Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	783.34	
31 13 13 00-0019 EA >36" To 48" Diameter Stump Removal By Hand..... Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	1,044.45	
<b>31 13 13 00-0020 Stump Grinding</b> <small>(31 13 13)</small> Note: Measured by diameter of stump.		
<b>31 13 13 00-0021 Stump Grinding, 18" Deep Below Surface Of Soil</b> <small>(31 13 13 00-0020)</small> Note: Level soil to match existing surface area.		
31 13 13 00-0022 EA Stump Grinding Up To 6" Tree..... <i>For 24" Depth, Add</i>	57.18 11.44	
31 13 13 00-0023 EA Stump Grinding >6" To 12" Tree..... <i>For 24" Depth, Add</i>	76.24 15.25	
31 13 13 00-0024 EA Stump Grinding >12" To 15" Tree..... <i>For 24" Depth, Add</i>	85.77 17.15	
31 13 13 00-0025 EA Stump Grinding >15" To 18" Tree..... <i>For 24" Depth, Add</i>	95.30 19.06	
31 13 13 00-0026 EA Stump Grinding >18" To 21" Tree..... <i>For 24" Depth, Add</i>	102.44 20.49	
31 13 13 00-0027 EA Stump Grinding >21" To 24" Tree..... <i>For 24" Depth, Add</i>	109.59 21.92	
31 13 13 00-0028 EA Stump Grinding >24" To 27" Tree..... <i>For 24" Depth, Add</i>	119.12 23.82	
31 13 13 00-0029 EA Stump Grinding >27" To 30" Tree..... <i>For 24" Depth, Add</i>	130.71 26.14	
31 13 13 00-0030 EA Stump Grinding >30" To 33" Tree..... <i>For 24" Depth, Add</i>	145.23 29.05	
31 13 13 00-0031 EA Stump Grinding >33" To 36" Tree..... <i>For 24" Depth, Add</i>	154.92 30.98	
31 13 13 00-0032 EA Stump Grinding >36" To 42" Tree..... <i>For 24" Depth, Add</i>	174.28 34.86	
31 13 13 00-0033 EA Stump Grinding >42" To 48" Tree..... <i>For 24" Depth, Add</i>	193.65 38.73	
<b>31 13 13 00-0034 Shrub Removal</b> <small>(31 13 13)</small>		
31 13 13 00-0035 EA Removal Of 18" To 24" Shrub, Broadleaf Evergreen.....	21.32	
31 13 13 00-0036 EA Removal Of 2' To 3' Shrub, Broadleaf Evergreen.....	33.45	
31 13 13 00-0037 EA Removal Of 3' To 4' Shrub, Broadleaf Evergreen.....	38.78	
31 13 13 00-0038 EA Removal Of 4' To 5' Shrub, Broadleaf Evergreen.....	58.17	
31 13 13 00-0039 EA Removal Of 12" To 15" Shrub, Deciduous.....	10.66	
31 13 13 00-0040 EA Removal Of 18" To 24" Shrub, Deciduous.....	16.48	
31 13 13 00-0041 EA Removal Of 2' To 3' Shrub, Deciduous.....	21.32	
31 13 13 00-0042 EA Removal Of 3' To 4' Shrub, Deciduous.....	23.27	
31 13 13 00-0043 EA Removal Of 18" To 24" Shrub, Evergreen.....	21.32	
31 13 13 00-0044 EA Removal Of 24" To 30" Shrub, Evergreen.....	23.27	
31 13 13 00-0045 EA Removal Of 30" To 36" Shrub, Evergreen.....	33.45	
31 13 13 00-0046 EA Removal Of 36" To 42" Shrub, Evergreen.....	58.17	
<b>31 13 16 Selective Tree And Shrub Trimming</b> <small>(31 13)</small>		
<b>31 13 16 00-0001 Tree Trimming For Pole Line Construction And Maintenance</b> <small>(31 13 16)</small> Note: Area to be vertical cleared (to include overhanging limbs) is minimum 20' wide (10' each side of structure) and 16' above ground. All materials to 6" D.B.H. (Diameter At Breast Height) to be chipped in place. Larger material may be chipped or disposed. Trees greater than 18" diameter use individual tree removal tasks. Quantity based on running foot of power line to be cleared.		
31 13 16 00-0002 LF Tree Trimming, Light Cutting To 6" Diameter For Pole Line Construction.....	0.96	
31 13 16 00-0003 LF Tree Trimming, Medium Cutting >6" To 12" Diameter For Pole Line Construction.....	1.44	
31 13 16 00-0004 LF Tree Trimming, Heavy Cutting >12" To 18" Diameter For Pole Line Construction.....	1.70	

<b>31</b>	<b>31 Earthwork</b>
	<b>31 20 Earth Moving</b>
	<b>31 13 Selective Tree And Shrub Removal And Trimming</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**31 20 Earth Moving** <sup>(31)</sup>

Note: Per OSHA -Soil Classification - 1926 Subpart P App A. Light material: Class A site material, normally referred to as "easy digging". Consisting of loose, soft, free running materials. Close lying, which will fill blade, digger or bucket to capacity, and frequently provide a heaped load. Materials such as dry sand, small gravel, unpacked earth, loam, etc., would fall into this category. Medium material: Class B site material, normally referred to as "medium and tough, wet and sticky clay would be examples of this medium digging", consisting of harder materials that are not difficult to dig without assistance such as ripping, blasting, etc. Material break up with some bulkiness causing voids in digger or bucket. Materials such as packed earth, common earth with some clay, soil with less than 25% rock content would be examples of this category. Heavy/wet material: Class C site material, normally referred to as "hard digging", consisting of materials which may require some assistance in breaking up. Bulky and somewhat hard to penetrate materials would be found in this category and voids in dipper or bucket would be common. Materials such as very hard packed soil, with up to 50% to 70% rock content and hard category. Soil conditions will be determined by soil analysis to provide appropriate percentage (%) for the various types of soil conditions. Apply the percentages to the various soil types to generate an appropriate representation of the soil condition.

**31 23 Excavation And Fill** <sup>(31 20)</sup>

**31 23 16 Excavation** <sup>(31 23)</sup>

**31 23 16 13 Trenching** <sup>(31 23 16)</sup>

Note: Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine.

**31 23 16 13-0001 Excavation For Trenching By Machine** <sup>(31 23 16 13)</sup>

Note: Includes stockpiling excess materials and trimming sides and bottom of trench.

31 23 16 13-0002	CY	12" Wide or Less, Excavation for Trenching by Machine in Soil .....	5.56
		<i>For Excavation In Light Material (Class A), Deduct</i>	-0.70
		<i>For Excavation In Heavy/Wet Material (Class C), Add</i>	2.22
		<i>For Up To 20, Add</i>	4.45
		<i>For &gt;20 To 50, Add</i>	2.78
		<i>For &gt;50 To 250, Add</i>	1.39
		<i>For &gt;500 To 1,000, Deduct</i>	-0.83
		<i>For &gt;1,000, Deduct</i>	-1.67
31 23 16 13-0003	CY	Over 12" Wide, Excavation for Trenching by Machine in Soil .....	3.92
		<i>For Excavation In Light Material (Class A), Deduct</i>	-0.49
		<i>For Excavation In Heavy/Wet Material (Class C), Add</i>	1.57
		<i>For Up To 20, Add</i>	3.14
		<i>For &gt;20 To 50, Add</i>	1.96
		<i>For &gt;50 To 250, Add</i>	0.98
		<i>For &gt;500 To 1,000, Deduct</i>	-0.59
		<i>For &gt;1,000, Deduct</i>	-1.18
31 23 16 13-0004	CY	12" Wide or Less, Excavation for Trenching by Machine in Loose Rock .....	9.20
		<i>For Up To 20, Add</i>	7.36
		<i>For &gt;20 To 50, Add</i>	4.60
		<i>For &gt;50 To 250, Add</i>	2.30
		<i>For &gt;500 To 1,000, Deduct</i>	-1.38
		<i>For &gt;1,000, Deduct</i>	-2.76
31 23 16 13-0005	CY	Over 12" Wide, Excavation for Trenching by Machine in Loose Rock .....	6.96
		<i>For Up To 20, Add</i>	5.57
		<i>For &gt;20 To 50, Add</i>	3.48
		<i>For &gt;50 To 250, Add</i>	1.74
		<i>For &gt;500 To 1,000, Deduct</i>	-1.04
		<i>For &gt;1,000, Deduct</i>	-2.09

**31 23 16 13-0006 Excavation For Trenching By Hand** <sup>(31 23 16 13)</sup>

31 23 16 13-0007	CY	Excavation For Trenching By Hand In Soil .....	58.43
		Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	
31 23 16 13-0008	CY	Excavation For Trenching By Hand In Loose Rock .....	100.24
		Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	

**31 23 16 13-0009 Backfilling Or Placing Subbase For Trenches** <sup>(31 23 16 13)</sup>

Note: With imported or stockpiled materials.

31 23 16 13-0010	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Machine .....	1.89
		<i>For Up To 20, Add</i>	1.51
		<i>For &gt;20 To 50, Add</i>	0.95
		<i>For &gt;50 To 250, Add</i>	0.47
		<i>For &gt;500 To 1,000, Deduct</i>	-0.28
		<i>For &gt;1,000, Deduct</i>	-0.57
31 23 16 13-0011	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand .....	16.23

**31 23 16 13-0012 Compaction Of Fill Or Subbase For Trenches** <sup>(31 23 16 13)</sup>

Note: Includes restoration of final grade.

31 23 16 13-0013	CY	Compaction of Fill or Subbase for Trenches by Vibratory Plate, Air Tamper, Etcetera .....	3.43
		<i>For Up To 20, Add</i>	2.74
		<i>For &gt;20 To 50, Add</i>	1.72
		<i>For &gt;50 To 250, Add</i>	0.86
		<i>For &gt;500 To 1,000, Deduct</i>	-0.51
		<i>For &gt;1,000, Deduct</i>	-1.03
31 23 16 13-0014	CY	Compaction of Fill or Subbase for Trenches by Hand .....	18.31



<b>Earthwork</b>	<b>31</b>	<b>15</b>
<b>Earth Moving</b>	<b>31 20</b>	
<b>Excavation And Fill</b>	<b>31 23</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>31 23 16 13-0015 Loading Excess Material For Removal From Excavation For Trenches</b> <small>(31 23 16 13)</small>		
<small>Note: Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0032 for hauling.</small>		
31 23 16 13-0016 CY Load Excess Material by Machine for Removal from Excavation for Trenching .....	3.30	
For Up To 20, Add	2.64	
For >20 To 50, Add	1.65	
For >50 To 250, Add	0.83	
For >500 To 1,000, Deduct	-0.50	
For >1,000, Deduct	-0.99	
31 23 16 13-0017 CY Load Excess Material by Hand for Removal from Excavation for Trenching .....	42.85	
<b>31 23 16 13-0018 Spread Excess Or Imported Material For Trenches</b> <small>(31 23 16 13)</small>		
<small>Note: Includes hand work by laborer for clean-up.</small>		
31 23 16 13-0019 CY Spread Excess Or Imported Material On Site With Machine .....	1.54	
For Up To 20, Add	1.23	
For >20 To 50, Add	0.77	
For >50 To 250, Add	0.39	
For >500 To 1,000, Deduct	-0.23	
For >1,000, Deduct	-0.46	
<b>31 23 16 13-0020 Direct Burial (Plowed-in) Cable Or Piping By Machine</b> <small>(31 23 16 13)</small>		
<small>Note: Includes trench, backfill, compaction and restoration of final grade.</small>		
31 23 16 13-0021 LF Direct Burial of Cable or Piping up to 12" Deep .....	1.29	
31 23 16 13-0022 LF Direct Burial of Cable or Piping >12" to 24" Deep .....	1.42	
31 23 16 13-0023 LF Direct Burial of Cable or Piping >24" to 36" Deep .....	2.02	
31 23 16 13-0024 LF Direct Burial of Cable or Piping >36" to 48" Deep .....	2.29	
<b>31 23 16 13-0025 Utility Chain Trencher</b> <small>(31 23 16 13)</small>		
<b>31 23 16 13-0026 Utility Trench, Chain Trencher</b> <small>(31 23 16 13-0025)</small>		
<small>Note: Earth left adjacent to trench.</small>		
31 23 16 13-0027 LF 4" Wide, 12" Deep Trench, Medium Soil, Chain Trencher .....	0.62	
For >100 To 250, Deduct	-0.04	
For >250 To 500, Deduct	-0.09	
For >500, Deduct	-0.19	
31 23 16 13-0028 LF 4" Wide, 18" Deep Trench, Medium Soil, Chain Trencher .....	0.68	
For >100 To 250, Deduct	-0.05	
For >250 To 500, Deduct	-0.10	
For >500, Deduct	-0.20	
31 23 16 13-0029 LF 4" Wide, 24" Deep Trench, Medium Soil, Chain Trencher .....	0.71	
For >100 To 250, Deduct	-0.05	
For >250 To 500, Deduct	-0.11	
For >500, Deduct	-0.21	
31 23 16 13-0030 LF 6" Wide, 12" Deep Trench, Medium Soil, Chain Trencher .....	0.74	
For >100 To 250, Deduct	-0.05	
For >250 To 500, Deduct	-0.11	
For >500, Deduct	-0.22	
31 23 16 13-0031 LF 6" Wide, 18" Deep Trench, Medium Soil, Chain Trencher .....	0.81	
For >100 To 250, Deduct	-0.06	
For >250 To 500, Deduct	-0.12	
For >500, Deduct	-0.24	
31 23 16 13-0032 LF 6" Wide, 24" Deep Trench, Medium Soil, Chain Trencher .....	0.92	
For >100 To 250, Deduct	-0.06	
For >250 To 500, Deduct	-0.14	
For >500, Deduct	-0.28	
31 23 16 13-0033 LF 6" Wide, 36" Deep Trench, Medium Soil, Chain Trencher .....	1.11	
For >100 To 250, Deduct	-0.08	
For >250 To 500, Deduct	-0.17	
For >500, Deduct	-0.33	
31 23 16 13-0034 LF 8" Wide, 12" Deep Trench, Medium Soil, Chain Trencher .....	1.05	
For >100 To 250, Deduct	-0.07	
For >250 To 500, Deduct	-0.16	
For >500, Deduct	-0.32	
31 23 16 13-0035 LF 8" Wide, 18" Deep Trench, Medium Soil, Chain Trencher .....	1.24	
For >100 To 250, Deduct	-0.09	
For >250 To 500, Deduct	-0.19	
For >500, Deduct	-0.37	
31 23 16 13-0036 LF 8" Wide, 24" Deep Trench, Medium Soil, Chain Trencher .....	1.40	
For >100 To 250, Deduct	-0.10	
For >250 To 500, Deduct	-0.21	
For >500, Deduct	-0.42	
31 23 16 13-0037 LF 8" Wide, 36" Deep Trench, Medium Soil, Chain Trencher .....	1.67	
For >100 To 250, Deduct	-0.12	
For >250 To 500, Deduct	-0.25	
For >500, Deduct	-0.50	
<b>31 23 16 13-0038 Backfill Trenches With Compaction</b> <small>(31 23 16 13-0025)</small>		

**31 Earthwork****31 20 Earth Moving****31 23 Excavation And Fill**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0039 LF Backfill 4" Wide, 12" Deep Trench, With Compaction.....	0.10	
For >100 To 250, Deduct	-0.01	
For >250 To 500, Deduct	-0.02	
For >500, Deduct	-0.03	
31 23 16 13-0040 LF Backfill 4" Wide, 18" Deep Trench, With Compaction.....	0.15	
For >100 To 250, Deduct	-0.01	
For >250 To 500, Deduct	-0.02	
For >500, Deduct	-0.05	
31 23 16 13-0041 LF Backfill 4" Wide, 24" Deep Trench, With Compaction.....	0.20	
For >100 To 250, Deduct	-0.01	
For >250 To 500, Deduct	-0.03	
For >500, Deduct	-0.06	
31 23 16 13-0042 LF Backfill 6" Wide, 12" Deep Trench, With Compaction.....	0.15	
For >100 To 250, Deduct	-0.01	
For >250 To 500, Deduct	-0.02	
For >500, Deduct	-0.05	
31 23 16 13-0043 LF Backfill 6" Wide, 18" Deep Trench, With Compaction.....	0.20	
For >100 To 250, Deduct	-0.01	
For >250 To 500, Deduct	-0.03	
For >500, Deduct	-0.06	
31 23 16 13-0044 LF Backfill 6" Wide, 24" Deep Trench, With Compaction.....	0.30	
For >100 To 250, Deduct	-0.02	
For >250 To 500, Deduct	-0.05	
For >500, Deduct	-0.09	
31 23 16 13-0045 LF Backfill 6" Wide, 36" Deep Trench, With Compaction.....	0.43	
For >100 To 250, Deduct	-0.03	
For >250 To 500, Deduct	-0.06	
For >500, Deduct	-0.13	
31 23 16 13-0046 LF Backfill 8" Wide, 12" Deep Trench, With Compaction.....	0.20	
For >100 To 250, Deduct	-0.01	
For >250 To 500, Deduct	-0.03	
For >500, Deduct	-0.06	
31 23 16 13-0047 LF Backfill 8" Wide, 18" Deep Trench, With Compaction.....	0.30	
For >100 To 250, Deduct	-0.02	
For >250 To 500, Deduct	-0.05	
For >500, Deduct	-0.09	
31 23 16 13-0048 LF Backfill 8" Wide, 24" Deep Trench, With Compaction.....	0.40	
For >100 To 250, Deduct	-0.03	
For >250 To 500, Deduct	-0.06	
For >500, Deduct	-0.12	
31 23 16 13-0049 LF Backfill 8" Wide, 36" Deep Trench, With Compaction.....	0.61	
For >100 To 250, Deduct	-0.04	
For >250 To 500, Deduct	-0.09	
For >500, Deduct	-0.18	
<b>31 23 16 26 Rock Removal</b> <small>(31 23 16)</small>		
<b>31 23 16 26-0001 Rock Breaking By Blasting</b> <small>(31 23 16 26)</small>		
Note: Includes drilling into rock, charge, blast mats, safety personnel, safety signs, etc. Add for loading and hauling.		
31 23 16 26-0002 BCY Break Rock By Blasting .....	33.93	
<b>31 23 16 26-0003 Rock Breaking By Jack Hammer</b> <small>(31 23 16 26)</small>		
Note: Excludes excavation of broken-up rock.		
31 23 16 26-0004 CY Break Rock With Jack Hammer, Soft Sedimentary Rocks (Shale, Sandstone, Limestone).....	25.80	
31 23 16 26-0005 CY Break Rock With Jack Hammer, Medium Metamorphic Rock (Slate) .....	32.25	
31 23 16 26-0006 CY Break Rock With Jack Hammer, Hard Igneous Rock (Granite, Basalt).....	40.31	
<b>31 23 16 26-0007 Rock Breaking By Machine</b> <small>(31 23 16 26)</small>		
Note: Excludes excavation of broken-up rock.		
31 23 16 26-0008 CY Rock Breaking By Machine, Soft Sedimentary Rocks (Shale, Sandstone, Limestone).....	16.98	
31 23 16 26-0009 CY Rock Breaking By Machine, Medium Metamorphic Rock (Slate).....	18.11	
31 23 16 26-0010 CY Rock Breaking By Machine, Hard Igneous Rock (Granite, Basalt) .....	21.49	
<b>31 23 16 33 Bulk Excavation</b> <small>(31 23 16)</small>		
Note: For excavations where the total quantity for a project is greater than 500 cubic yards. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 36-0000 for For less than 500 CY excavation.		
<b>31 23 16 33-0001 Excavation</b> <small>(31 23 16 33)</small>		
Note: For bulk excavation. Includes stockpiling excavated materials within 100' of point of excavation.		
31 23 16 33-0002 CY Bulk Excavation by Dozer in Soil .....	4.80	
For Excavation In Light Material (Class A), Deduct	-0.60	
For Excavation In Heavy/Wet Material (Class C), Add	1.92	
For >1,000, Deduct	-0.72	
31 23 16 33-0003 CY Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Soil .....	3.16	
For Excavation In Light Material (Class A), Deduct	-0.40	
For Excavation In Heavy/Wet Material (Class C), Add	1.26	
For >1,000, Deduct	-0.47	
31 23 16 33-0004 CY Bulk Excavation by Dozer in Loose Rock .....	5.91	
For >1,000, Deduct	-0.89	



<b>Earthwork</b>	<b>31</b>	<b>15</b>
<b>Earth Moving</b>	<b>31 20</b>	
<b>Excavation And Fill</b>	<b>31 23</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 33-0005 CY Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Loose Rock ..... <i>For &gt;1,000, Deduct</i>	3.89 -0.58	
<b>31 23 16 33-0006 Spreading, Shaping And Rough Grading</b> (31 23 16 33) Note: Imported or stockpiled material for bulk excavation.		
31 23 16 33-0007 CY Spreading, Shaping, and Rough Grading Imported or Stockpiled Material for Bulk Excavation by Machine..... <i>For &gt;1,000, Deduct</i>	2.97 -0.45	
<b>31 23 16 33-0008 Cutting, Shaping and Rough Grading Of Existing Elevations</b> (31 23 16 33) Note: For bulk excavation.		
31 23 16 33-0009 CY Cutting, Shaping and Rough Grading Existing Elevations For Bulk Excavation by Machine..... <i>For &gt;1,000, Deduct</i>	3.29 -0.49	
<b>31 23 16 33-0010 Relocating On Site Excavated Material From Excavation</b> (31 23 16 33) Note: For bulk excavation.		
31 23 16 33-0011 CY Relocating On Site Excavated Material From Bulk Excavation >100' to 300' ..... <i>For &gt;1,000, Deduct</i>	2.64 -0.40	
31 23 16 33-0012 CY Relocating On Site Excavated Material From Bulk Excavation >300' to 500' ..... <i>For &gt;1,000, Deduct</i>	3.96 -0.59	
31 23 16 33-0013 CY Relocating On Site Excavated Material From Bulk Excavation >500' To 1,000' ..... <i>For &gt;1,000, Deduct</i>	5.93 -0.89	
31 23 16 33-0014 CY Relocating On Site Excavated Material From Bulk Excavation >1,000' ..... <i>For &gt;1,000, Deduct</i>	7.91 -1.19	
<b>31 23 16 33-0015 Finish Grading</b> (31 23 16 33) Note: For bulk excavation.		
31 23 16 33-0016 SY Finish Grading for Bulk Excavation by Machine.....	0.33	
<b>31 23 16 33-0017 Compaction Of Fill Or Subbase, Per Lift</b> (31 23 16 33) Note: For bulk excavation.		
31 23 16 33-0018 SY Compaction of Fill or Subbase for Bulk Excavation by Machine ..... Note: Per Lift	0.33	
<b>31 23 16 33-0019 Loading Excess Material For Removal From Excavation</b> (31 23 16 33) Note: For bulk excavation. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0032 for hauling.		
31 23 16 33-0020 CY Loading Excess Material For Removal From Bulk Excavation..... <i>For &gt;1,000, Deduct</i>	3.16 -0.47	
<b>31 23 16 36 Excavation For Building Foundations And Other Structures</b> (31 23 16) Note: Use of a Bobcat is limited to access restricted areas and by owner's approval. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 33-0000 for bulk excavation operations over 500 CY.		
<b>31 23 16 36-0001 Excavation</b> (31 23 16 36) Note: For building foundations and other structures by machine. Includes stockpiling excess materials within 100' of point of excavation, shaping, trimming and rough grading excavation.		
<b>31 23 16 36-0002 Excavation For Building Foundations And Other Structures By Skid-Steer Loader</b> (31 23 16 36-0001)		
31 23 16 36-0003 CY Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Soil ..... <i>For Excavation In Light Material (Class A), Deduct</i> <i>For Excavation In Heavy/Wet Material (Class C), Add</i> <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	4.39 -0.55 1.76 4.39 3.29 1.76 0.66	
31 23 16 36-0004 CY Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Loose Rock ..... <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	5.40 5.40 4.05 2.16 0.81	
<b>31 23 16 36-0005 Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader</b> (31 23 16 36-0001)		
31 23 16 36-0006 CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Soil ..... <i>For Excavation In Light Material (Class A), Deduct</i> <i>For Excavation In Heavy/Wet Material (Class C), Add</i> <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	3.80 -0.48 1.52 3.80 2.85 1.52 0.57	

**31 Earthwork****31 20 Earth Moving****31 23 Excavation And Fill**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	31 23 16 36-0007	CY	Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Loose Rock.....	4.52	
			<i>For Up To 20, Add</i> .....	4.52	
			<i>For &gt;20 To 50, Add</i> .....	3.39	
			<i>For &gt;50 To 250, Add</i> .....	1.81	
			<i>For &gt;250 To 500, Add</i> .....	0.68	
<b>31 23 16 36-0008</b>			<b>Excavation For Building Foundations And Other Structures By Hand</b> (31 23 16 36-0001) Note: For areas not accessible by machine and only with owner's approval.		
	31 23 16 36-0009	CY	Excavation For Building Foundations And Other Structures By Hand in Soil.....	58.43	
			<i>For Excavation In Light Material (Class A), Deduct</i> .....	-7.30	
			<i>For Excavation In Heavy/Wet Material (Class C), Add</i> .....	23.37	
	31 23 16 36-0010	CY	Excavation For Building Foundations And Other Structures By Hand in Loose Rock.....	100.24	
<b>31 23 16 36-0011</b>			<b>Relocating On Site Excavated Material From Excavation</b> (31 23 16 36) Note: For building foundations and other structures over 100'.		
	31 23 16 36-0012	CY	Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >100' to 300'.....	2.64	
			<i>For Up To 20, Add</i> .....	2.64	
			<i>For &gt;20 To 50, Add</i> .....	1.98	
			<i>For &gt;50 To 250, Add</i> .....	1.06	
			<i>For &gt;250 To 500, Add</i> .....	0.40	
	31 23 16 36-0013	CY	Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >300' to 500'.....	3.96	
			<i>For Up To 20, Add</i> .....	3.96	
			<i>For &gt;20 To 50, Add</i> .....	2.97	
			<i>For &gt;50 To 250, Add</i> .....	1.58	
			<i>For &gt;250 To 500, Add</i> .....	0.59	
	31 23 16 36-0014	CY	Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >500' to 1,000'.....	5.93	
			<i>For Up To 20, Add</i> .....	5.93	
			<i>For &gt;20 To 50, Add</i> .....	4.45	
			<i>For &gt;50 To 250, Add</i> .....	2.37	
			<i>For &gt;250 To 500, Add</i> .....	0.89	
	31 23 16 36-0015	CY	Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >1,000'.....	7.91	
			<i>For Up To 20, Add</i> .....	7.91	
			<i>For &gt;20 To 50, Add</i> .....	5.93	
			<i>For &gt;50 To 250, Add</i> .....	3.16	
			<i>For &gt;250 To 500, Add</i> .....	1.19	
<b>31 23 16 36-0016</b>			<b>Backfilling</b> (31 23 16 36) Note: For building foundations and other structures with imported or stockpiled materials. Includes rough grading.		
	31 23 16 36-0017	CY	Backfilling Around Building Foundations And Other Structures By Skid-Steer Loader.....	2.14	
			<i>For Up To 20, Add</i> .....	2.14	
			<i>For &gt;20 To 50, Add</i> .....	1.61	
			<i>For &gt;50 To 250, Add</i> .....	0.86	
			<i>For &gt;250 To 500, Add</i> .....	0.32	
	31 23 16 36-0018	CY	Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader.....	2.94	
			<i>For Up To 20, Add</i> .....	2.94	
			<i>For &gt;20 To 50, Add</i> .....	2.21	
			<i>For &gt;50 To 250, Add</i> .....	1.18	
			<i>For &gt;250 To 500, Add</i> .....	0.44	
	31 23 16 36-0019	CY	Backfilling Around Building Foundations And Other Structures By Hand.....	27.83	
<b>31 23 16 36-0020</b>			<b>Compaction Of Fill Or Subbase</b> (31 23 16 36) Note: For building foundations and other structures.		
	31 23 16 36-0021	CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Vibratory Plate, Air Tamper, Etcetera.....	5.42	
			<i>For Up To 20, Add</i> .....	5.42	
			<i>For &gt;20 To 50, Add</i> .....	4.07	
			<i>For &gt;50 To 250, Add</i> .....	2.17	
			<i>For &gt;250 To 500, Add</i> .....	0.81	
	31 23 16 36-0022	CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand.....	18.31	
<b>31 23 16 36-0023</b>			<b>Grading</b> (31 23 16 36) Note: For building foundations and other structures.		
	31 23 16 36-0024	SY	Rough Grading For Building Foundations And Other Structures by Machine.....	0.57	
	31 23 16 36-0025	SY	Finish Grading For Building Foundations And Other Structures by Machine.....	0.92	
	31 23 16 36-0026	SY	Finish Grading For Building Foundations And Other Structures by Hand.....	5.41	
<b>31 23 16 36-0027</b>			<b>Loading Excess Material For Removal From Excavation</b> (31 23 16 36) Note: For building foundations and other structures. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0032 for hauling.		



<b>Earthwork</b>	<b>31</b>	<b>15</b>
<b>Earth Moving</b>	<b>31 20</b>	
<b>Excavation And Fill</b>	<b>31 23</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 36-0028 CY Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Machine ..... 3.29 For Up To 20, Add 3.29 For >20 To 50, Add 2.47 For >50 To 250, Add 1.32 For >250 To 500, Add 0.49	3.29 2.47 1.32 0.49	
31 23 16 36-0029 CY Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Hand ..... 42.85	42.85	
<b>31 23 16 36-0030 Spread Material</b> <small>(31 23 16 36)</small> Note: For building foundations and other structures.		
31 23 16 36-0031 CY Spread Excess Or Imported Material On Site By Machine ..... 1.54 For Up To 20, Add 1.54 For >20 To 50, Add 1.16 For >50 To 250, Add 0.62 For >250 To 500, Add 0.23	1.54 1.16 0.62 0.23	
31 23 16 36-0032 CY Spread Excess Or Imported Material On Site By Hand ..... 23.65	23.65	
<b>31 23 16 43 Mass Excavation</b> <small>(31 23 16)</small>		
<b>31 23 16 43-0001 Mass Excavation By Dozer</b> <small>(31 23 16 43)</small> Note: In CY/Hour and using 50 Min/Hour, +5% grade, average operator and material conversion factors. Pushed to stockpile area.		
<b>31 23 16 43-0002 Dozing Distance Averages 150 Feet Push</b> <small>(31 23 16 43-0001)</small>		
<b>31 23 16 43-0003 Dozer With Blade, 65 HP, (D-3B)</b> <small>(31 23 16 43-0002)</small>		
31 23 16 43-0004 BCY Mass Excavation, D-3B Dozer, Light Material 65 HP With Blade, 150' Push, 30 CY/Hour ..... 3.49	3.49	
31 23 16 43-0005 BCY Mass Excavation, D-3B Dozer, Medium Material 65 HP With Blade, 150' Push, 25 CY/Hour ..... 4.20	4.20	
31 23 16 43-0006 BCY Mass Excavation, D-3B Dozer, Wet/Loose Rock 65 HP With Blade, 150' Push 20 CY/Hour ..... 5.24	5.24	
<b>31 23 16 43-0007 Dozer With Blade, 90 HP, (D-4H)</b> <small>(31 23 16 43-0002)</small>		
31 23 16 43-0008 BCY Mass Excavation, D-4H Dozer, Light Material 90 HP With Blade, 150' Push, 60 CY/Hour ..... 1.69	1.69	
31 23 16 43-0009 BCY Mass Excavation, D-4H Dozer, Medium Material 90 HP With Blade, 150' Push, 45 CY/Hour ..... 2.26	2.26	
31 23 16 43-0010 BCY Mass Excavation, D-4H Dozer, Wet/Loose Rock 90 HP With Blade, 150' Push, 35 CY/Hour ..... 2.91	2.91	
<b>31 23 16 43-0011 Dozer With Blade, 120 HP, (D-5H)</b> <small>(31 23 16 43-0002)</small>		
31 23 16 43-0012 BCY Mass Excavation, D-5H Dozer, Light Material 120 HP With Blade, 150' Push, 85 CY/Hour ..... 1.28	1.28	
31 23 16 43-0013 BCY Mass Excavation, D-5H Dozer, Medium Material 120 HP With Blade, 150' Push, 70 CY/Hour ..... 1.55	1.55	
31 23 16 43-0014 BCY Mass Excavation, D-5H Dozer, Wet/Loose Rock 120 HP With Blade, 150' Push, 50 CY/Hour ..... 2.17	2.17	
<b>31 23 16 43-0015 Dozer With Blade, 140 HP, (D-6D)</b> <small>(31 23 16 43-0002)</small>		
31 23 16 43-0016 BCY Mass Excavation, D-6D Dozer, Light Material 140 HP With Blade, 150' Push, 115 CY/Hour ..... 1.18	1.18	
31 23 16 43-0017 BCY Mass Excavation, D-6D Dozer, Medium Material 140 HP With Blade, 150' Push, 90 CY/Hour ..... 1.51	1.51	
31 23 16 43-0018 BCY Mass Excavation, D-6D Dozer, Wet/Loose Rock 140 HP With Blade, 150' Push, 70 CY/Hour ..... 1.94	1.94	
<b>31 23 16 43-0019 Dozer With U-Blade, 200 HP, (D-7G)</b> <small>(31 23 16 43-0002)</small>		
31 23 16 43-0020 BCY Mass Excavation, D-7G Dozer, Light Material 200 HP With U-Blade, 150' Push, 185 CY/Hour ..... 0.81	0.81	
31 23 16 43-0021 BCY Mass Excavation, D-7G Dozer, Medium Material 200 HP With U-Blade 150' Push, 150 CY/Hour ..... 0.98	0.98	
31 23 16 43-0022 BCY Mass Excavation, D-7G Dozer, Wet/Loose Rock 200 HP With U-Blade, 150' Push, 115 CY/Hour ..... 1.28	1.28	
31 23 16 43-0023 BCY Mass Excavation, D-7G Dozer, Blasted Rock 200 HP With U-Blade, 150' Push, 90 CY/Hour ..... 1.64	1.64	
<b>31 23 16 43-0024 Dozer With U-Blade, 335 HP, (D-8L)</b> <small>(31 23 16 43-0002)</small>		
31 23 16 43-0025 BCY Mass Excavation, D-8L Dozer, Light Material 335 HP With U-Blade, 150' Push, 290 CY/Hour ..... 0.71	0.71	
31 23 16 43-0026 BCY Mass Excavation, D-8L Dozer, Medium Material 335 HP With U-Blade 150' Push, 235 CY/Hour ..... 0.88	0.88	
31 23 16 43-0027 BCY Mass Excavation, D-8L Dozer, Wet/Loose Rock 335 HP With U-Blade, 150' Push, 180 CY/Hour ..... 1.15	1.15	
31 23 16 43-0028 BCY Mass Excavation, D-8L Dozer, Blasted Rock 335 HP With U-Blade, 150' Push, 145 CY/Hour ..... 1.42	1.42	
<b>31 23 16 43-0029 Dozer With U-Blade, 460 HP, (D-9L)</b> <small>(31 23 16 43-0002)</small>		
31 23 16 43-0030 BCY Mass Excavation, D-9L Dozer, Light Material 460 HP With U-Blade, 150' Push, 375 CY/Hour ..... 0.52	0.52	
31 23 16 43-0031 BCY Mass Excavation, D-9L Dozer, Medium Material 460 HP With U-Blade 150' Push, 300 CY/Hour ..... 0.65	0.65	
31 23 16 43-0032 BCY Mass Excavation, D-9L Dozer, Wet/Loose Rock 460 HP With U-Blade, 150' Push, 230 CY/Hour ..... 0.86	0.86	
31 23 16 43-0033 BCY Mass Excavation, D-9L Dozer, Blasted Rock 460 HP With U-Blade, 150' Push, 185 CY/Hour ..... 1.05	1.05	
<b>31 23 16 43-0034 Dozer With U-Blade, 700 HP, (D-10)</b> <small>(31 23 16 43-0002)</small>		
31 23 16 43-0035 BCY Mass Excavation, D-10 Dozer, Light Material 700 HP With U-Blade, 150' Push, 495 CY/Hour ..... 0.44	0.44	
31 23 16 43-0036 BCY Mass Excavation, D-10 Dozer, Medium Material 700 HP With U-Blade 150' Push, 400 CY/Hour ..... 0.55	0.55	
31 23 16 43-0037 BCY Mass Excavation, D-10 Dozer, Wet/Loose Rock 700 HP With U-Blade, 150' Push, 305 CY/Hour ..... 0.72	0.72	
31 23 16 43-0038 BCY Mass Excavation, D-10 Dozer, Blasted Rock 700 HP With U-Blade, 150' Push, 245 CY/Hour ..... 0.89	0.89	
<b>31 23 16 43-0039 Dozing Distance Averages 300 Feet Push</b> <small>(31 23 16 43-0001)</small>		
<b>31 23 16 43-0040 Dozer With Blade, 65 HP, (D-3B)</b> <small>(31 23 16 43-0039)</small>		



**31 Earthwork****31 20 Earth Moving****31 23 Excavation And Fill**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 43-0041 BCY Mass Excavation, D-3B Dozer, Light Material 65 HP With Blade, 12.5 CY/Hour, 300' Push .....	8.39	
31 23 16 43-0042 BCY Mass Excavation, D-3B Dozer, Medium Material 65 HP With Blade, 10 CY/Hour, 300' Push .....	10.49	
<b>31 23 16 43-0043 Dozer With Blade, 90 HP, (D-4H)</b> <small>(31 23 16 43-0039)</small>		
31 23 16 43-0044 BCY Mass Excavation, D-4H Dozer, Light Material 90 HP With Blade, 20 CY/Hour, 300' Push .....	5.08	
31 23 16 43-0045 BCY Mass Excavation, D-4H Dozer, Medium Material 90 HP With Blade, 17.5 CY/Hour, 300' Push .....	5.82	
31 23 16 43-0046 BCY Mass Excavation, D-4H Dozer, Loose Rock 90 HP With Blade, 15 CY/Hour, 300' Push .....	6.78	
<b>31 23 16 43-0047 Dozer With Blade, 120 HP, (D-5H)</b> <small>(31 23 16 43-0039)</small>		
31 23 16 43-0048 BCY Mass Excavation, D-5H Dozer, Light Material 120 HP With Blade, 35 CY/Hour, 300' Push .....	3.10	
31 23 16 43-0049 BCY Mass Excavation, D-5H Dozer, Medium Material 120 HP With Blade, 30 CY/Hour, 300' Push .....	3.62	
31 23 16 43-0050 BCY Mass Excavation, D-5H Dozer, Loose Rock 120 HP With Blade, 25 CY/Hour, 300' Push .....	4.35	
<b>31 23 16 43-0051 Dozer With Blade, 140 HP, (D-6D)</b> <small>(31 23 16 43-0039)</small>		
31 23 16 43-0052 BCY Mass Excavation, D-6D Dozer, Light Material 140 HP With Blade, 55 CY/Hour, 300' Push .....	2.47	
31 23 16 43-0053 BCY Mass Excavation, D-6D Dozer, Medium Material 140 HP With Blade, 45 CY/Hour, 300' Push .....	3.02	
31 23 16 43-0054 BCY Mass Excavation, D-6D Dozer, Loose Rock 140 HP With Blade, 35 CY/Hour, 300' Push .....	3.89	
<b>31 23 16 43-0055 Dozer With U-Blade, 200 HP, (D-7G)</b> <small>(31 23 16 43-0039)</small>		
31 23 16 43-0056 BCY Mass Excavation, D-7G Dozer, Light Material 200 HP With U-Blade, 85 CY/Hour, 300' Push .....	1.75	
31 23 16 43-0057 BCY Mass Excavation, D-7G Dozer, Medium Material 200 HP With U-Blade 65 CY/Hour, 300' Push .....	2.28	
31 23 16 43-0058 BCY Mass Excavation, D-7G Dozer, Loose Rock 200 HP With U-Blade, 50 CY/Hour, 300' Push .....	2.96	
31 23 16 43-0059 BCY Mass Excavation, D-7G Dozer, Blasted Rock 200 HP With U-Blade, 40 CY/Hour, 300' Push .....	3.70	
<b>31 23 16 43-0060 Dozer With U-Blade, 335 HP, (D-8L)</b> <small>(31 23 16 43-0039)</small>		
31 23 16 43-0061 BCY Mass Excavation, D-8L Dozer, Light Material 335 HP With U-Blade, 145 CY/Hour, 300' Push .....	1.42	
31 23 16 43-0062 BCY Mass Excavation, D-8L Dozer, Medium Material 335 HP With U-Blade 115 CY/Hour, 300' Push .....	1.79	
31 23 16 43-0063 BCY Mass Excavation, D-8L Dozer, Loose Rock 335 HP With U-Blade, 90 CY/Hour, 300' Push .....	2.30	
31 23 16 43-0064 BCY Mass Excavation, D-8L Dozer, Blasted Rock 335 HP With U-Blade, 70 CY/Hour, 300' Push .....	2.95	
<b>31 23 16 43-0065 Dozer With U-Blade, 460 HP, (D-9L)</b> <small>(31 23 16 43-0039)</small>		
31 23 16 43-0066 BCY Mass Excavation, D-9L Dozer, Light Material 460 HP With U-Blade, 195 CY/Hour, 300' Push .....	1.00	
31 23 16 43-0067 BCY Mass Excavation, D-9L Dozer, Medium Material 460 HP With U-Blade 160 CY/Hour, 300' Push .....	1.23	
31 23 16 43-0068 BCY Mass Excavation, D-9L Dozer, Loose Rock 460 HP With U-Blade, 120 CY/Hour, 300' Push .....	1.63	
31 23 16 43-0069 BCY Mass Excavation, D-9L Dozer, Blasted Rock 460 HP With U-Blade, 95 CY/Hour, 300' Push .....	2.07	
<b>31 23 16 43-0070 Dozer With U-Blade, 700 HP, (D-10)</b> <small>(31 23 16 43-0039)</small>		
31 23 16 43-0071 BCY Mass Excavation, D-10 Dozer, Light Material 700 HP With U-Blade, 275 CY/Hour, 300' Push .....	0.80	
31 23 16 43-0072 BCY Mass Excavation, D-10 Dozer, Medium Material 700 HP With U-Blade 220 CY/Hour, 300' Push .....	0.99	
31 23 16 43-0073 BCY Mass Excavation, D-10 Dozer, Loose Rock 700 HP With U-Blade, 170 CY/Hour, 300' Push .....	1.29	
31 23 16 43-0074 BCY Mass Excavation, D-10 Dozer, Blasted Rock 700 HP With U-Blade, 135 CY/Hour, 300' Push .....	1.62	
<b>31 23 16 43-0075 Dozing Distance Averages 450 Feet Push</b> <small>(31 23 16 43-0001)</small>		
<b>31 23 16 43-0076 Dozer With U-Blade, 215 HP, (D-7G)</b> <small>(31 23 16 43-0075)</small>		
31 23 16 43-0077 BCY Mass Excavation, D-7G Dozer, Light Material 215 HP With U-Blade, 75 CY/Hour, 450' Push .....	1.98	
31 23 16 43-0078 BCY Mass Excavation, D-7G Dozer, Medium Material 215 HP With U-Blade 60 CY/Hour, 450' Push .....	2.47	
31 23 16 43-0079 BCY Mass Excavation, D-7G Dozer, Loose Rock 215 HP With U-Blade, 45 CY/Hour, 450' Push .....	3.29	
31 23 16 43-0080 BCY Mass Excavation, D-7G Dozer, Blasted Rock 215 HP With U-Blade, 35 CY/Hour, 450' Push .....	4.23	
<b>31 23 16 43-0081 Dozer With U-Blade, 335 HP, (D-8L)</b> <small>(31 23 16 43-0075)</small>		
31 23 16 43-0082 BCY Mass Excavation, D-8L Dozer, Light Material 335 HP With U-Blade, 105 CY/Hour, 450' Push .....	1.97	
31 23 16 43-0083 BCY Mass Excavation, D-8L Dozer, Medium Material 335 HP With U-Blade 85 CY/Hour, 450' Push .....	2.43	
31 23 16 43-0084 BCY Mass Excavation, D-8L Dozer, Loose Rock 335 HP With U-Blade, 65 CY/Hour, 450' Push .....	3.17	
31 23 16 43-0085 BCY Mass Excavation, D-8L Dozer, Blasted Rock 335 HP With U-Blade, 50 CY/Hour, 450' Push .....	4.13	
<b>31 23 16 43-0086 Dozer With U-Blade, 460 HP, (D-9L)</b> <small>(31 23 16 43-0075)</small>		
31 23 16 43-0087 BCY Mass Excavation, D-9L Dozer, Light Material 460 HP With U-Blade, 145 CY/Hour, 450' Push .....	1.35	
31 23 16 43-0088 BCY Mass Excavation, D-9L Dozer, Medium Material 460 HP With U-Blade 115 CY/Hour, 450' Push .....	1.70	
31 23 16 43-0089 BCY Mass Excavation, D-9L Dozer, Loose Rock 460 HP With U-Blade, 90 CY/Hour, 450' Push .....	2.18	
31 23 16 43-0090 BCY Mass Excavation, D-9L Dozer, Blasted Rock 460 HP With U-Blade, 70 CY/Hour, 450' Push .....	2.80	
<b>31 23 16 43-0091 Dozer With U-Blade, 700 HP, (D-10)</b> <small>(31 23 16 43-0075)</small>		
31 23 16 43-0092 BCY Mass Excavation, D-10 Dozer, Light Material 700 HP With U-Blade, 185 CY/Hour, 450' Push .....	1.18	
31 23 16 43-0093 BCY Mass Excavation, D-10 Dozer, Medium Material 700 HP With U-Blade 150 CY/Hour, 450' Push .....	1.46	
31 23 16 43-0094 BCY Mass Excavation, D-10 Dozer, Loose Rock 700 HP With U-Blade, 115 CY/Hour, 450' Push .....	1.90	
31 23 16 43-0095 BCY Mass Excavation, D-10 Dozer, Blasted Rock 700 HP With U-Blade, 90 CY/Hour, 450' Push .....	2.43	



<b>Earthwork</b>	<b>31</b>	<b>13</b>
<b>Earth Moving</b>	<b>31 20</b>	
<b>Excavation And Fill</b>	<b>31 23</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**31 23 19 Dewatering** (31 23)

31 23 19 00-0001	Well Point Dewatering System <small>(31 23 19)</small>	
31 23 19 00-0002	Delivery, Installation And Removal Cost <small>(31 23 19 00-0001)</small>	
	Note: Priced by linear foot of header used.	
31 23 19 00-0003	LF Up To 100' In Length Well Point System Delivery, Installation And Removal.....	60.59
31 23 19 00-0004	LF >100' To 250' In Length Well Point System Delivery, Installation And Removal.....	33.32
31 23 19 00-0005	LF >250' To 500' In Length Well Point System Delivery, Installation And Removal.....	30.30
31 23 19 00-0006	LF >250' To 500' In Length Well Point System Delivery, Installation And Removal.....	27.26
31 23 19 00-0007	LF >500' To 1,000' In Length Well Point System Delivery, Installation And Removal.....	24.24
31 23 19 00-0008	LF >1,000' In Length Well Point System Delivery, Installation And Removal.....	21.21

**31 23 19 00-0009 Well Point Dewatering System Rental** (31 23 19 00-0001)

	Note: Includes all necessary equipment for a well point system (well point with risers, pump, valves, header pipe, discharge pipe, etc.). Use normal adjustment factor only for rental tasks and modifiers. Unit of measure and modifier quantities are based on linear feet of header per day (ex. 200 ft of header for four days - quantity should be 200x4 or 800 ft). Rental days include weekends, when appropriate, regardless if the system is operational during that time. Use weekly modifier for system use of five days to less than a month. Use monthly modifier for system use of one month or greater. See CSI section 31 23 19 00-0002 for installation, 31 23 19 00-0015 for operational costs.	
31 23 19 00-0010	LFD Up To 100' In Length Well Point System Rental (LF x Days = Quantity) .....	1.78
	For >5 Days And <1 Month, Deduct	-0.39
	For >1 Month, Deduct	-0.50
31 23 19 00-0011	LFD >100' To 250' In Length Well Point System Rental (LF x Days = Quantity) .....	1.04
	For >5 Days And <1 Month, Deduct	-0.23
	For >1 Month, Deduct	-0.29
31 23 19 00-0012	LFD >250' To 500' In Length Well Point System Rental (LF x Days = Quantity) .....	0.74
	For >5 Days And <1 Month, Deduct	-0.16
	For >1 Month, Deduct	-0.21
31 23 19 00-0013	LFD >500' To 1,000' In Length Well Point System Rental (LF x Days = Quantity) .....	0.54
	For >5 Days And <1 Month, Deduct	-0.12
	For >1 Month, Deduct	-0.15
31 23 19 00-0014	LFD >1,000' In Length Well Point System Rental (LF x Days = Quantity) .....	0.49
	For >5 Days And <1 Month, Deduct	-0.11
	For >1 Month, Deduct	-0.14

**31 23 19 00-0015 Well Point Dewatering System Operation Costs** (31 23 19 00-0001)

	Note: The quantity for operation shall be the total number of hours the well point system is operational.	
31 23 19 00-0016	HR Operation Costs.....	72.18

**31 23 23 Fill** (31 23)

**31 23 23 23 Compaction** (31 23 23)

31 23 23 23-0001	Compaction Water, Water Truck And Operator <small>(31 23 23 23)</small>	
31 23 23 23-0002	MGL Compaction Water, Water Truck And Operator .....	110.48
	Note: Use this task in situations where fill, base material, etc. requires additional moisture to comply with the compaction specification. Includes delivery up to 15 miles. (Per 1000 Gallons) See CSI section 01 22 23 00-1407 for water truck when water is available on site.	

**31 23 23 33 Flowable Fill** (31 23 23)

**31 23 23 33-0001 Flowable Cement Backfill For Trenches** (31 23 23 33)

	Note: Includes compaction and restoration of final grade.	
31 23 23 33-0002	CY Flowable Cement Backfill for Trenches .....	243.02
	For Up To 20, Add	79.85
	For >20 To 50, Add	52.77
	For >50 To 250, Add	26.38
	For >500 To 1,000, Deduct	-13.54
	For >1,000, Deduct	-27.08

**31 24 Embankments** (31 20)

**31 24 13 Roadway Embankments** (31 24)

31 24 13 00-0001	Roadway, Parking Areas, Landscaping And Embankment Excavation And Shaping Operations <small>(31 24 13)</small>	
	Note: Use this section for excavation and shaping operations even if the total quantity for the project exceeds 500 CY.	
31 24 13 00-0002	Cutting, Shaping And Rough Grading <small>(31 24 13 00-0001)</small>	
	Note: For roadways, parking areas, landscaping, and embankments. Includes loading or stockpiling excess materials within 300' of initial cut.	
31 24 13 00-0003	Cutting, Shaping, And Rough Grading <small>(31 24 13 00-0002)</small>	

<b>31</b>	<b>Earthwork</b>
<b>31 20</b>	<b>Earth Moving</b>
<b>31 24</b>	<b>Embankments</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 24 13 00-0004	CY		Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Soil.....	3.29	
			For Up To 20, Add	3.29	
			For >20 To 50, Add	2.47	
			For >50 To 250, Add	1.32	
			For >250 To 500, Add	0.49	
			For >1,000, Deduct	-0.49	
31 24 13 00-0005	CY		Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Loose Rock.....	4.08	
			For Up To 20, Add	4.08	
			For >20 To 50, Add	3.06	
			For >50 To 250, Add	1.63	
			For >250 To 500, Add	0.61	
			For >1,000, Deduct	-0.61	
<b>31 24 13 00-0006</b>			<b>Cutting, Shaping, And Rough Grading By Hand</b> (31 24 13 00-0002)		
31 24 13 00-0007	SY		Shape Embankment/Slope By Hand Up To 1 On 4 Slope.....	3.00	
31 24 13 00-0008	SY		Shape Embankment/Slope By Hand Greater Than 1 On 4 Slope.....	3.89	
<b>31 24 13 00-0009</b>			<b>Scarify Soil</b> (31 24 13 00-0001)		
			Note: For roadways, parking areas, landscaping and embankments by machine.		
31 24 13 00-0010	CSF		Scarify Soil For Roadways, Parking Areas, Landscaping And Embankments By Machine.....	3.05	
			For Up To 20, Add	1.53	
			For >20 To 50, Add	0.76	
			For >250 To 500, Deduct	-0.31	
			For >500, Deduct	-0.61	
<b>31 24 13 00-0011</b>			<b>Relocating On Site Excavated Material</b> (31 24 13 00-0001)		
31 24 13 00-0012	CY		>500' To 1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine.....	5.93	
			For Up To 20, Add	5.93	
			For >20 To 50, Add	4.45	
			For >50 To 250, Add	2.37	
			For >250 To 500, Add	0.89	
			For >1,000, Deduct	-0.89	
31 24 13 00-0013	CY		>1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine.....	7.91	
			For Up To 20, Add	7.91	
			For >20 To 50, Add	5.93	
			For >50 To 250, Add	3.16	
			For >250 To 500, Add	1.19	
			For >1,000, Deduct	-1.19	
<b>31 24 13 00-0014</b>			<b>Spread And Shape Imported Or Stockpiled Material</b> (31 24 13 00-0001)		
			Note: For roadways, parking areas, landscaping and embankments. See CSI section 31 23 16 36-0032 for spreading material by hand.		
31 24 13 00-0015	CY		Spread And Shape Imported Or Stockpiled Material For Roadways, Parking Areas, Landscaping and Embankments By Machine.....	3.62	
			For Up To 20, Add	3.62	
			For >20 To 50, Add	2.72	
			For >50 To 250, Add	1.45	
			For >250 To 500, Add	0.54	
			For >1,000, Deduct	-0.54	
<b>31 24 13 00-0016</b>			<b>Grading</b> (31 24 13 00-0001)		
			Note: For roadways, parking areas, landscaping and embankments by machine.		
31 24 13 00-0017	SY		Rough Grade Roadway, Parking Areas, Landscaping And Embankments By Machine.....	0.38	
31 24 13 00-0018	SY		Finish Grade Roadway, Parking Areas, Landscaping And Embankments By Machine.....	0.51	
31 24 13 00-0019	LF		Finish Grade For Curb.....	0.57	
31 24 13 00-0020	LF		Finish Grade For Curb And Gutter.....	0.70	
<b>31 24 13 00-0021</b>			<b>Compaction Of Fill Or Subbase</b> (31 24 13 00-0001)		
			Note: For roadways, parking areas, landscaping and embankments by machine, per lift.		
31 24 13 00-0022	SY		Compaction Of Fill Or Subbase For Roadways, Parking Areas, Landscaping And Embankments By Machine Per Lift.....	0.33	
			For Up To 250, Add	0.33	
			For >250 To 500, Add	0.25	
			For >500 To 1,000, Add	0.13	
			For >5,000, Deduct	-0.05	
<b>31 24 13 00-0023</b>			<b>Loading Excess Material For Removal From Excavation</b> (31 24 13 00-0001)		
			Note: For roadways, parking areas, landscaping and embankments by machine. Includes hand work by laborer for clean-up.		



<b>Earthwork</b>	<b>31</b>	<b>15</b>
<b>Earth Moving</b>	<b>31 20</b>	
<b>Embankments</b>	<b>31 24</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 24 13 00-0024 CY Load Excess Material For Removal For Roadways, Parking Areas, Landscaping and Embankments by Machine .....	3.16	
<i>For Up To 20, Add</i>	3.16	
<i>For &gt;20 To 50, Add</i>	2.37	
<i>For &gt;50 To 250, Add</i>	1.26	
<i>For &gt;250 To 500, Add</i>	0.47	
<i>For &gt;1,000, Deduct</i>	-0.47	

**31 25 Erosion And Sedimentation Controls** (31 20)

**31 25 14 Stabilization Measures For Erosion And Sedimentation Control** (31 25)

**31 25 14 13 Hydraulically-Applied Erosion Control** (31 25 14)

**31 25 14 13-0001 Bonded Fiber Matrix** (31 25 14 13)

31 25 14 13-0002 MSF Up To 25,000 SF Bonded Fiber Matrix, Hydraulically Applied .....	31.33
31 25 14 13-0003 MSF >25,000 To 50,000 SF Bonded Fiber Matrix, Hydraulically Applied.....	29.04
31 25 14 13-0004 MSF >50,000 To 100,000 SF Bonded Fiber Matrix, Hydraulically Applied.....	27.09
31 25 14 13-0005 MSF >100,000 Bonded Fiber Matrix, Hydraulically Applied .....	25.98

**31 25 14 16 Rolled Erosion Control Mats And Blankets** (31 25 14)

Note: Includes all staples and stakes for erosion control blankets and turf reinforcement mats.

**31 25 14 16-0001 Erosion Control Blankets And Turf Reinforcement Mats** (31 25 14 16)

**31 25 14 16-0002 Erosion Control Blankets, Short Term, Light Duty** (31 25 14 16-0001)

31 25 14 16-0003 SY S75 Single Net Erosion Control Blanket .....	1.27
Note: Straw matrix with degradable thread to a single standard photodegradable polypropylene netting as manufactured by North American Green.	
31 25 14 16-0004 SY S75BN Single Net Erosion Control Blanket .....	1.62
Note: Straw Matrix with Biodegradable Thread to a Single Natural Fiber Netting as manufactured by North American Green.	
31 25 14 16-0005 SY Curlex 1, Single Net Erosion Control Blanket .....	1.21
Note: As manufactured by American Excelsior	
31 25 14 16-0006 SY Curlex 1, Single Net Erosion Control Blanket .....	1.27
Note: As manufactured by American Green.	
31 25 14 16-0007 SY Futerra Erosion Control Blanket, Wood Fibers With Biodegradable Netting.....	1.13

**31 25 14 16-0008 Erosion Control Blankets, Intermediate Duration** (31 25 14 16-0001)

31 25 14 16-0009 SY S150 Double Net Erosion Control Blanket.....	1.62
Note: Straw matrix with degradable thread to a double standard photodegradable polypropylene netting as manufactured by North American Green.	
31 25 14 16-0010 SY S150 BN Double Net Erosion Control Blanket.....	2.17
Note: Straw matrix with biodegradable thread to a double natural fiber netting as manufactured by North American Green.	
31 25 14 16-0011 SY Curlex II, Double Net Erosion Control Blanket, Natural .....	1.36
Note: As manufactured by American Excelsior.	
31 25 14 16-0012 SY Curlex II, Double Net Erosion Control Blanket, Green .....	1.42
Note: As manufactured by American Excelsior.	
31 25 14 16-0013 SY Enforcer Double Net Erosion Control Blanket.....	1.51
Note: As manufactured by American Excelsior.	

**31 25 14 16-0014 Turf Reinforcement Mats (TRM)** (31 25 14 16-0001)

Note: Permanent, UV stabilized.

31 25 14 16-0015 SY P300 Permanent Polypropylene Turf Reinforcement Mat.....	7.66
Note: 100% synthetic, UV stabilized, two layer netting.	
31 25 14 16-0016 SY C350 Permanent Turf Reinforcement Mat .....	7.00
Note: 100% synthetic, UV stabilized netting incorporating natural coconut fibers as manufactured by North American Green.	
31 25 14 16-0017 SY Recyclex TRM, Permanent Turf Reinforcement Mat .....	6.65
Note: As manufactured by American Excelsior, 100% recycled	

**31 25 14 16-0018 Jute Mesh Erosion Control Blankets** (31 25 14 16-0001)

31 25 14 16-0019 SY Jute Mesh, Open Uniform Weave.....	1.51
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**31 25 14 16-0020 Revegetation Mat** (31 25 14 16-0001)

31 25 14 16-0021 SY 3-Dimensional Webbed Revegetation Mat, Polyolefin Fiber.....	6.28
Note: Polyolefin fibers oriented and mechanically bonded between two nets. Landlok TRM 450 or equal.	
31 25 14 16-0022 SY Webbed Revegetation Mat, Polypropylene Fiber.....	9.03
Note: Polypropylene fibers positioned between two high strength biaxially oriented nets and mechanically held together by parallel stitching with polypropylene thread. Landlok TRM 1060 or equal.	

**31 25 14 23 Stabilization Measures For Erosion Control** (31 25 14)

See CSI section 01 74 19 00-0032 for hauling greater than 15 miles.

**31 25 14 23-0001 Sand Bags** (31 25 14 23)

Note: Bags filled on site with delivered material. Includes material and placement of bags.

**31 Earthwork****31 20 Earth Moving****31 25 Erosion And Sedimentation Controls**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 23-0002	BAG		50 LB Capacity Sand Bag With Sand .....	3.30	1.23
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.25	
			<i>For &gt;5,000, Deduct</i>	-0.58	
31 25 14 23-0003	BAG		75 LB Capacity Sand Bag With Sand .....	4.35	1.53
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.31	
			<i>For &gt;5,000, Deduct</i>	-0.74	
31 25 14 23-0004	BAG		100 LB Capacity Sand Bag With Sand .....	5.57	1.83
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.37	
			<i>For &gt;5,000, Deduct</i>	-0.92	
31 25 14 23-0005	BAG		125 LB Capacity Sand Bag With Sand .....	6.84	2.28
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.46	
			<i>For &gt;5,000, Deduct</i>	-1.14	
31 25 14 23-0006	BAG		150 LB Capacity Sand Bag With Sand .....	8.34	2.75
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.55	
			<i>For &gt;5,000, Deduct</i>	-1.38	
31 25 14 23-0007	BAG		175 LB Capacity Sand Bag With Sand .....	9.77	3.12
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.62	
			<i>For &gt;5,000, Deduct</i>	-1.60	
31 25 14 23-0008	BAG		2,000 LB Capacity Sand Bag With Sand .....	88.87	23.21
			<i>For &gt;2,500 To 5,000, Deduct</i>	-4.61	
			<i>For &gt;5,000, Deduct</i>	-13.49	
31 25 14 23-0009	BAG		3,000 LB Capacity Sand Bag With Sand .....	119.78	25.52
			<i>For &gt;2,500 To 5,000, Deduct</i>	-5.07	
<b>31 25 14 23-0010</b>			<b>Gravel Bags</b> <small>(31 25 14 23)</small>		
			Note: Bags filled on site with delivered material. Includes material and placement of bags.		
31 25 14 23-0011	BAG		30 LB Capacity Gravel Bag With Gravel .....	3.49	0.81
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.16	
			<i>For &gt;5,000, Deduct</i>	-0.51	
31 25 14 23-0012	BAG		50 LB Capacity Gravel Bag With Gravel .....	6.32	1.23
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.25	
			<i>For &gt;5,000, Deduct</i>	-0.88	
<b>31 25 14 23-0013</b>			<b>Floating Turbidity Curtain</b> <small>(31 25 14 23)</small>		
			Note: Type 2 DOT fabric - 18 oz. nominal laminated vinyl/polyester. EPS flotation, 6 in. x 6 in., 13.5 lb./ft. buoyancy in fresh water and 14.4 lb./ft buoyancy in saltwater.		
31 25 14 23-0014	LF		3' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain .....	17.24	
			<i>For Type 1, Deduct</i>	-3.07	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-1.87	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	2.27	
31 25 14 23-0015	LF		4' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain .....	18.78	
			<i>For Type 1, Deduct</i>	-3.38	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-2.06	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	2.50	
31 25 14 23-0016	LF		5' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain .....	20.92	
			<i>For Type 1, Deduct</i>	-3.82	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-2.33	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	2.83	
31 25 14 23-0017	LF		6' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain .....	22.74	
			<i>For Type 1, Deduct</i>	-4.19	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-2.55	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	3.10	
31 25 14 23-0018	LF		7' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain .....	23.86	
			<i>For Type 1, Deduct</i>	-4.40	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-2.68	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	3.25	
31 25 14 23-0019	LF		8' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain .....	24.98	
			<i>For Type 1, Deduct</i>	-4.60	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-2.80	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	3.40	
31 25 14 23-0020	LF		9' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain .....	26.30	
			<i>For Type 1, Deduct</i>	-4.85	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-2.95	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	3.58	
31 25 14 23-0021	LF		10' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain .....	28.16	
			<i>For Type 1, Deduct</i>	-5.22	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-3.18	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	3.86	
31 25 14 23-0022	LF		12' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain .....	29.59	
			<i>For Type 1, Deduct</i>	-5.48	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-3.34	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	4.05	
31 25 14 23-0023	LF		13' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain .....	31.57	
			<i>For Type 1, Deduct</i>	-5.87	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-3.57	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	4.34	
31 25 14 23-0024	LF		14' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain .....	33.39	
			<i>For Type 1, Deduct</i>	-6.22	
			<i>For 13 Oz PVC Fabric, Type 2, Deduct</i>	-3.79	
			<i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	4.60	



<b>Earthwork</b>	<b>31</b>	<b>15</b>
<b>Earth Moving</b>	<b>31 20</b>	
<b>Erosion And Sedimentation Controls</b>	<b>31 25</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 23-0025 LF 15' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	35.13	
For Type 1, Deduct	-6.55	
For 13 Oz PVC Fabric, Type 2, Deduct	-3.98	
For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	4.84	
31 25 14 23-0026 LF 16' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	38.39	
For Type 1, Deduct	-7.22	
For 13 Oz PVC Fabric, Type 2, Deduct	-4.40	
For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	5.34	
31 25 14 23-0027 LF 17' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	40.25	
For Type 1, Deduct	-7.57	
For 13 Oz PVC Fabric, Type 2, Deduct	-4.61	
For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	5.59	
31 25 14 23-0028 LF 18' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	42.04	
For Type 1, Deduct	-7.90	
For 13 Oz PVC Fabric, Type 2, Deduct	-4.81	
For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	5.84	
31 25 14 23-0029 LF 19' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	43.94	
For Type 1, Deduct	-8.24	
For 13 Oz PVC Fabric, Type 2, Deduct	-5.02	
For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	6.09	
31 25 14 23-0030 LF 20' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	45.77	
For Type 1, Deduct	-8.57	
For 13 Oz PVC Fabric, Type 2, Deduct	-5.22	
For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	6.34	
<b>31 25 14 23-0031 Turbidity Curtain Anchors</b> (31 25 14 23)		
31 25 14 23-0032 EA 14 LB, Turbidity Curtain Anchor System.....	515.17	
Note: Includes anchor, anchor chain, and marker buoy and rope.		
31 25 14 23-0033 EA 25 LB, Turbidity Curtain Anchor System.....	711.89	
Note: Includes anchor, anchor chain, and marker buoy and rope.		
31 25 14 23-0034 EA 40 LB, Turbidity Curtain Anchor System.....	909.47	
Note: Includes anchor, anchor chain, and marker buoy and rope.		
31 25 14 23-0035 EA 65 LB, Turbidity Curtain Anchor System.....	1,194.34	
Note: Includes anchor, anchor chain, and marker buoy and rope.		
<b>31 25 14 23-0036 Filter Bags</b> (31 25 14 23)		
<b>31 25 14 23-0037 Non-Woven Filter Bags</b> (31 25 14 23-0036)		
31 25 14 23-0038 EA 6' x 15' Non-Woven Filter Bag.....	137.08	
31 25 14 23-0039 EA 13' x 15' Non-Woven Filter Bag.....	198.70	
31 25 14 23-0040 EA 15' x 15' Non-Woven Filter Bag.....	228.04	
<b>31 25 14 23-0041 Monofilament Filter Bags</b> (31 25 14 23-0036)		
31 25 14 23-0042 EA 5' x 15' Monofilament Filter Bag.....	142.64	
31 25 14 23-0043 EA 10' x 15' Monofilament Filter Bag.....	197.89	
<b>31 25 14 23-0044 Cable Articulating Concrete Block</b> (31 25 14 23)		
Note: 4000 PSI Compressive strength, 12 LB/CF maximum absorption. Interlocking block with longitudinal revetment cable. Includes anchoring block to 12" x 12" x 6" concrete pier every 5' with anchor and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 25 14 23-0045 SF 4.75" Open Cell Articulated Concrete Block With Earth Backfill.....	30.07	
For Up To 500, Add	6.52	
For >500 To 1,000, Add	3.51	
31 25 14 23-0046 SF 6" Open Cell Articulated Concrete Block With Earth Backfill.....	34.98	
For Up To 500, Add	7.54	
For >500 To 1,000, Add	4.05	
31 25 14 23-0047 SF 7.5" Open Cell Articulated Concrete Block With Earth Backfill.....	40.54	
For Up To 500, Add	8.71	
For >500 To 1,000, Add	4.66	
31 25 14 23-0048 SF 9" Open Cell Articulated Concrete Block With Earth Backfill.....	45.94	
For Up To 500, Add	9.86	
For >500 To 1,000, Add	5.26	
31 25 14 23-0049 SF 4.75" Closed Cell Articulated Concrete Block.....	33.08	
For Up To 500, Add	7.12	
For >500 To 1,000, Add	3.81	
31 25 14 23-0050 SF 6" Closed Cell Articulated Concrete Block.....	38.58	
For Up To 500, Add	8.26	
For >500 To 1,000, Add	4.41	
31 25 14 23-0051 SF 7.5" Closed Cell Articulated Concrete Block.....	44.81	
For Up To 500, Add	9.56	
For >500 To 1,000, Add	5.08	
31 25 14 23-0052 SF 9" Closed Cell Articulated Concrete Block.....	50.83	
For Up To 500, Add	10.84	
For >500 To 1,000, Add	5.75	
<b>31 25 14 26 Stabilization Measures For Sedimentation Control</b> (31 25 14)		
<b>31 25 14 26-0001 Silt Fences And Dike Barriers</b> (31 25 14 26)		
Note: Includes stakes and embedding.		

**31 Earthwork****31 20 Earth Moving****31 25 Erosion And Sedimentation Controls**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 26-0002			<b>Silt Fences 2' High</b> (31 25 14 26-0001)		
31 25 14 26-0003	LF		2' High Silt Fence with Stakes at 4' On Center.....	1.77	
31 25 14 26-0004	LF		2' High Silt Fence with Stakes at 6' On Center.....	1.41	
31 25 14 26-0005	LF		2' High Silt Fence with Stakes at 8' On Center.....	1.04	
31 25 14 26-0006	LF		2' High Silt Fence with Stakes at 10' On Center.....	0.93	
31 25 14 26-0007			<b>Silt Fences 3' High</b> (31 25 14 26-0001)		
31 25 14 26-0008	LF		3' High Silt Fence with Stakes at 4' On Center.....	1.55	
			<i>For Wire Backed Fence, Add</i>	0.55	
31 25 14 26-0009	LF		3' High Silt Fence with Stakes at 6' On Center.....	1.48	
			<i>For Wire Backed Fence, Add</i>	0.55	
31 25 14 26-0010	LF		3' High Silt Fence with Stakes at 8' On Center.....	0.88	
			<i>For Wire Backed Fence, Add</i>	0.55	
31 25 14 26-0011	LF		3' High Silt Fence with Stakes at 10' On Center.....	1.00	
			<i>For Wire Backed Fence, Add</i>	0.55	
31 25 14 26-0012			<b>Silt Dike Barrier</b> (31 25 14 26-0001)		
31 25 14 26-0013	LF		Silt Dike Barrier With Stakes.....	2.42	
31 25 14 26-0014			<b>Super Silt Fences, 41" Total Height, 8" Below Ground</b> (31 25 14 26-0001)		
31 25 14 26-0015	LF		41" Total Height Super Silt Fence, 8" Below Ground, Galvanized Chain Link, With 2-1/2" Posts, 10' On Center With Geotextile Fabric Attached .....	7.39	
31 25 14 26-0016			<b>Silt Fences Removal</b> (31 25 14 26-0001)		
31 25 14 26-0017	LF		Removal Of Silt Fence And Stakes.....	0.39	
31 25 14 26-0018			<b>Hay And Straw Bales</b> (31 25 14 26)		
			Note: Includes trench for placement, and stakes.		
31 25 14 26-0019	LF		Place Sterilized Straw Bales.....	2.51	
			Note: Includes securing in ground with stakes.		
31 25 14 26-0020	LF		Place Hay Bales.....	2.29	
			Note: Includes securing in ground with stakes.		
31 25 14 26-0021	LF		Removal Of Hay Or Straw Bales.....	0.69	
			Note: Includes removal of stakes.		
31 25 14 26-0022			<b>Sediment Logs (Degradable)</b> (31 25 14 26)		
31 25 14 26-0023			<b>Sediment Logs (Degradable)</b> (31 25 14 26-0022)		
			Note: Includes stakes and removal after use. Curlex sediment logs as manufactured by American Excelsior.		
31 25 14 26-0024	LF		12" Sediment Log .....	5.62	
31 25 14 26-0025	LF		20" Sediment Log .....	6.82	
31 25 14 26-0026			<b>Wattles (Degradable)</b> (31 25 14 26-0022)		
			Note: Includes trench for placement, 24" wood staking at 4' on-center		
31 25 14 26-0027	EA		Wattles (Sterile Straw Filled Rolls), 9" x 25' .....	93.59	
31 25 14 26-0028	EA		Wattles (Sterile Straw Filled Rolls), 12" x 20' .....	92.55	
31 25 14 26-0029			<b>Inlet Protection Sediment Bags</b> (31 25 14 26)		
			Note: Includes removal, cleaning, and replacement per each location.		
31 25 14 26-0030	EA		2' x 2' x 3' Inlet Protection Sediment Bag.....	31.30	
31 25 14 26-0031	EA		2' x 3' x 3' Inlet Protection Sediment Bag .....	40.22	
31 25 14 26-0032	EA		2' x 4' x 3' Inlet Protection Sediment Bag.....	50.73	

**31 30 Earthwork Methods** (31)**31 31 Soil Treatment** (31 30)**31 31 16 Termite Control** (31 31)**31 31 16 13 Chemical Termite Control** (31 31 16)**31 31 16 13-0001 Commercial Use** (31 31 16 13)

31 31 16 13-0002	SF	Termite Pretreatment, Commercial Soil Poisoning Under Slab .....	0.68
31 31 16 13-0003	SF	Termite Pretreatment, Commercial Slab And Walls.....	0.68

**31 31 16 13-0004 Residential Use** (31 31 16 13)

31 31 16 13-0005	SF	Termite Pretreatment, Residential General Spraying Walls And Slab .....	0.51
31 31 16 13-0006	SF	Termite Treatment, Existing Residential Structure.....	0.67



<b>Earthwork</b>	<b>31</b>	<b>15</b>
<b>Earthwork Methods</b>	<b>31 30</b>	
<b>Soil Treatment</b>	<b>31 31</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>31 31 19 Vegetation Control</b> <small>(31 31)</small>		
<b>31 31 19 13 Chemical Vegetation Control</b> <small>(31 31 19)</small>		
<b>31 31 19 13-0001 Soil Sterilants</b> <small>(31 31 19 13)</small>		
31 31 19 13-0002 MSF Soil Sterilant.....	17.36	
Note: Use only in areas where complete control of all vegetation is desired, such as industrial sites, right-of-way, lumberyards, petroleum tank farms, around farm buildings, along fence lines, etc. When applied to the soil, this product usually inhibits plant growth for a year or more.		
For >45 To 90, Deduct		-0.22
For >90 To 225, Deduct		-1.30
For >225, Deduct		-1.74
<b>31 32 Soil Stabilization</b> <small>(31 30)</small>		
<b>31 32 13 Soil Mixing Stabilization</b> <small>(31 32)</small>		
<b>31 32 13 16 Cement Soil Stabilization</b> <small>(31 32 13)</small>		
<b>31 32 13 16-0001 Cementitious Soil Binder</b> <small>(31 32 13 16)</small>		
31 32 13 16-0002 CY Cementitious Soil Binder, 4% Cement Mix By Volume .....	27.30	
31 32 13 16-0003 CY Cementitious Soil Binder, 6% Cement Mix By Volume .....	33.93	
31 32 13 16-0004 CY Cementitious Soil Binder, 9% Cement Mix By Volume .....	44.85	
31 32 13 16-0005 CY Cementitious Soil Binder, 12% Cement Mix By Volume .....	55.61	
<b>31 32 13 19 Lime Soil Stabilization</b> <small>(31 32 13)</small>		
Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. The price excludes the cost for spreading or backfilling. See CSI section 01 74 19 00-0032 for hauling greater than 15 miles.		
<b>31 32 13 19-0001 Lime Slurry</b> <small>(31 32 13 19)</small>		
31 32 13 19-0002 LCY Soil Stabilization With Lime Slurry 10% Lime Slurry By Volume.....	18.74	
31 32 13 19-0003 TON Cement Stabilized Base Material.....	118.63	
31 32 13 19-0004 CWT Lime For Soil Stabilization .....	20.16	
Note: Excludes the cost for spreading or backfilling		
31 32 13 19-0005 LCY Roller, Grader - Lime Stabilization .....	10.32	
31 32 13 19-0006 LCY Roller, Grader - Cement Stabilization .....	2.17	
<b>31 32 13 19-0007 Lime Stabilized Subgrade</b> <small>(31 32 13 19)</small>		
Note: Based on soil weight of 110 LB/CF using lime weight of 5.5 LB/CF (5%).		
31 32 13 19-0008 SY 6" Thick Lime Stabilized Subgrade, 25 LB.....	9.61	
For 4% Lime Instead Of 5%, Deduct		-0.36
For 6% Lime Instead Of 5%, Add		0.36
31 32 13 19-0009 SY 7" Thick Lime Stabilized Subgrade, 29 LB.....	11.13	
For 4% Lime Instead Of 5%, Deduct		-0.41
For 6% Lime Instead Of 5%, Add		0.41
31 32 13 19-0010 SY 8" Thick Lime Stabilized Subgrade, 33 LB.....	12.70	
For 4% Lime Instead Of 5%, Deduct		-0.47
For 6% Lime Instead Of 5%, Add		0.47
<b>31 32 13 29 Liquid Soil Stabilization</b> <small>(31 32 13)</small>		
31 32 13 29-0001 GAL Polyacrylamide And Calcium Solution .....	2.71	
<b>31 32 19 Geosynthetic Soil Stabilization And Layer Separation</b> <small>(31 32)</small>		
<b>31 32 19 13 Geogrid Soil Stabilization</b> <small>(31 32 19)</small>		
<b>31 32 19 13-0001 Geogrid Fabrics</b> <small>(31 32 19 13)</small>		
Note: For reinforcement of over steepened earth slopes, segmental retaining walls and other mechanically stabilized earth applications.		
31 32 19 13-0002 SY 5.3 Oz/SY, 1,700 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-150).....	2.35	
For Up To 50, Add		0.52
For >50 To 150, Add		0.39
For >150 To 250, Add		0.25
For >250 To 500, Add		0.13
31 32 19 13-0003 SY 6.9 Oz/SY, 3,100 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-300).....	2.67	
For Up To 50, Add		0.59
For >50 To 150, Add		0.43
For >150 To 250, Add		0.28
For >250 To 500, Add		0.14
31 32 19 13-0004 SY 8.7 Oz/SY, 4,280 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-500).....	2.92	
For Up To 50, Add		0.64
For >50 To 150, Add		0.47
For >150 To 250, Add		0.31
For >250 To 500, Add		0.16





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 13-0005	SY		12.6 Oz/SY, 7,315 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-800).....	4.20	
			For Up To 50, Add	0.90	
			For >50 To 150, Add	0.67	
			For >150 To 250, Add	0.44	
			For >250 To 500, Add	0.22	
31 32 19 13-0006	SY		14.1 Oz/SY, 9,790 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-1000).....	4.81	
			For Up To 50, Add	1.02	
			For >50 To 150, Add	0.76	
			For >150 To 250, Add	0.50	
			For >250 To 500, Add	0.25	
31 32 19 13-0007	SY		4.3 Oz/SY, 1,658 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 20).....	2.38	
			For Up To 50, Add	0.53	
			For >50 To 150, Add	0.39	
			For >150 To 250, Add	0.26	
			For >250 To 500, Add	0.13	
31 32 19 13-0008	SY		5.9 Oz/SY, 2,192 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 30).....	3.50	
			For Up To 50, Add	0.75	
			For >50 To 150, Add	0.56	
			For >150 To 250, Add	0.37	
			For >250 To 500, Add	0.18	

### 31 32 19 16 Geotextile Soil Stabilization (31 32 19)

#### 31 32 19 16-0001 Nonwoven Polypropylene Geotextiles (31 32 19 16)

Note: For drainage, filtration and separation.

31 32 19 16-0002	SY		3.0 Oz/SY, 40 Mil, 80 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-30HS).....	0.72	
			For Up To 50, Add	0.16	
			For >50 To 150, Add	0.12	
			For >150 To 250, Add	0.08	
			For >250 To 500, Add	0.04	
31 32 19 16-0003	SY		3.5 Oz/SY, 50 Mil, 95 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-35HS).....	0.78	
			For Up To 50, Add	0.17	
			For >50 To 150, Add	0.13	
			For >150 To 250, Add	0.08	
			For >250 To 500, Add	0.04	
31 32 19 16-0004	SY		4.0 Oz/SY, 60 Mil, 115 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-40HS).....	0.84	
			For Up To 50, Add	0.19	
			For >50 To 150, Add	0.14	
			For >150 To 250, Add	0.09	
			For >250 To 500, Add	0.05	
31 32 19 16-0005	SY		4.5 Oz/SY, 55 Mil, 120 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-45HS).....	0.91	
			For Up To 50, Add	0.20	
			For >50 To 150, Add	0.15	
			For >150 To 250, Add	0.10	
			For >250 To 500, Add	0.05	
31 32 19 16-0006	SY		6.0 Oz/SY, 70 Mil, 160 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-60HS).....	1.08	
			For Up To 50, Add	0.23	
			For >50 To 150, Add	0.17	
			For >150 To 250, Add	0.11	
			For >250 To 500, Add	0.06	
31 32 19 16-0007	SY		7.0 Oz/SY, 85 Mil, 180 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-70HS).....	1.27	
			For Up To 50, Add	0.28	
			For >50 To 150, Add	0.21	
			For >150 To 250, Add	0.14	
			For >250 To 500, Add	0.07	
31 32 19 16-0008	SY		8.0 Oz/SY, 85 Mil, 205 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-80HS).....	1.40	
			For Up To 50, Add	0.30	
			For >50 To 150, Add	0.23	
			For >150 To 250, Add	0.15	
			For >250 To 500, Add	0.07	
31 32 19 16-0009	SY		10 Oz/SY, 115 Mil, 250 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-100HS).....	1.72	
			For Up To 50, Add	0.37	
			For >50 To 150, Add	0.27	
			For >150 To 250, Add	0.18	
			For >250 To 500, Add	0.09	

#### 31 32 19 16-0010 Woven Geotextiles Fabric (31 32 19 16)

31 32 19 16-0011	SY		200 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-55).....	1.05	
			For Up To 50, Add	0.23	
			For >50 To 150, Add	0.17	
			For >150 To 250, Add	0.11	
			For >250 To 500, Add	0.06	
31 32 19 16-0012	SY		315 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-66).....	1.48	
			For Up To 50, Add	0.31	
			For >50 To 150, Add	0.23	
			For >150 To 250, Add	0.15	
			For >250 To 500, Add	0.08	



<b>Earthwork</b>	<b>31</b>	<b>13</b>
<b>Earthwork Methods</b>	<b>31 30</b>	
<b>Soil Stabilization</b>	<b>31 32</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0013 SY 4 To 6% Open Area, 370 x 250 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 6%) .....	2.62	
For Up To 50, Add	0.55	
For >50 To 150, Add	0.41	
For >150 To 250, Add	0.27	
For >250 To 500, Add	0.14	
31 32 19 16-0014 SY 11 To 15% Open Area, 370 x 220 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 15%) .....	2.56	
For Up To 50, Add	0.54	
For >50 To 150, Add	0.40	
For >150 To 250, Add	0.26	
For >250 To 500, Add	0.13	
31 32 19 16-0015 SY 6.9 Oz/SY, 250 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-250TF) .....	2.23	
For Up To 50, Add	0.47	
For >50 To 150, Add	0.35	
For >150 To 250, Add	0.23	
For >250 To 500, Add	0.12	
31 32 19 16-0016 SY 9.1 Oz/SY, 333 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-330TF) .....	2.39	
For Up To 50, Add	0.50	
For >50 To 150, Add	0.37	
For >150 To 250, Add	0.25	
For >250 To 500, Add	0.12	
31 32 19 16-0017 SY 12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-400TF) .....	3.05	
For Up To 50, Add	0.63	
For >50 To 150, Add	0.47	
For >150 To 250, Add	0.31	
For >250 To 500, Add	0.16	
31 32 19 16-0018 SY 12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Monofilament And Fibrillated Geotextile Fabric (Carthage Mills FX-400MF) .....	4.35	
For Up To 50, Add	0.89	
For >50 To 150, Add	0.67	
For >150 To 250, Add	0.44	
For >250 To 500, Add	0.22	
<b>31 32 19 16-0019 Geomembranes</b> <small>(31 32 19 16)</small>		
<b>31 32 19 16-0020 Polyvinyl Chloride (PVC) Geomembrane</b> <small>(31 32 19 16-0019)</small>		
31 32 19 16-0021 SF 20 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	0.76	
31 32 19 16-0022 SF 30 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	0.89	
31 32 19 16-0023 SF 40 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	1.08	
31 32 19 16-0024 SF 50 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	1.32	
31 32 19 16-0025 SF 60 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	1.52	
31 32 19 16-0026 SF 70 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	1.65	
31 32 19 16-0027 SF 80 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	1.80	
31 32 19 16-0028 SF 90 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	1.99	
31 32 19 16-0029 SF 100 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	2.18	
<b>31 32 19 16-0030 High Density Polyethylene (HDPE) Geomembrane</b> <small>(31 32 19 16-0019)</small>		
31 32 19 16-0031 SF 20 Mil High Density Polyethylene Membrane (US Fabrics) .....	0.56	
31 32 19 16-0032 SF 30 Mil High Density Polyethylene Membrane (US Fabrics) .....	1.04	
31 32 19 16-0033 SF 40 Mil High Density Polyethylene Membrane (US Fabrics) .....	1.31	
31 32 19 16-0034 SF 50 Mil High Density Polyethylene Membrane (US Fabrics) .....	2.50	
31 32 19 16-0035 SF 60 Mil High Density Polyethylene Membrane (US Fabrics) .....	1.82	
31 32 19 16-0036 SF 80 Mil High Density Polyethylene Membrane (US Fabrics) .....	2.36	
31 32 19 16-0037 SF 100 Mil High Density Polyethylene Membrane (US Fabrics) .....	2.91	
31 32 19 16-0038 SF 120 Mil High Density Polyethylene Membrane (US Fabrics) .....	5.69	
31 32 19 16-0039 SF 140 Mil High Density Polyethylene Membrane (US Fabrics) .....	5.92	
<b>31 32 19 23 Geotextile Layer Separation</b> <small>(31 32 19)</small>		
<b>31 32 19 23-0001 Polyethylene Plastic Sheeting Barrier</b> <small>(31 32 19 23)</small>		
31 32 19 23-0002 SY 8 Mil Polyethylene Plastic Sheeting Barrier .....	0.75	
<b>31 32 19 26 Geoweb Cellular Confinement System</b> <small>(31 32 19)</small>		
Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.		
<b>31 32 19 26-0001 Geoweb Cellular Confinement System</b> <small>(31 32 19 26)</small>		
Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 32 19 26-0002 SF 4" Geoweb Cellular Confinement System (Presto Geosystems) .....	3.40	
For >20,000, Deduct	-0.09	
For >2:1 Slope, Add	0.56	
31 32 19 26-0003 SF 6" Geoweb Cellular Confinement System (Presto Geosystems) .....	4.16	
For >20,000, Deduct	-0.12	
For >2:1 Slope, Add	0.56	
31 32 19 26-0004 SF 8" Geoweb Cellular Confinement System (Presto Geosystems) .....	5.07	
For >20,000, Deduct	-0.17	
For >2:1 Slope, Add	0.56	

<b>31</b>	<b>31 Earthwork</b>
	<b>31 30 Earthwork Methods</b>
	<b>31 32 Soil Stabilization</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**31 35 Slope Protection** (31 30)

**31 35 19 Geosynthetic Slope Protection** (31 35)

**31 35 19 19 Slope Protection with Mulch Control Netting** (31 35 19)

**31 35 19 19-0001 Erosion Control Fabric** (31 35 19 19)

31 35 19 19-0002 SY 26.6 OZ/SY Erosion Control Fabric (Belton Industries Geocoir 900) .....2.86

**31 36 Gabions** (31 30)

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, unloading and placing. See CSI section 01 74 19 00-0032 for hauling greater than 15 miles.

**31 36 13 Gabion Boxes** (31 36)

**31 36 13 00-0001 Stone Filled Gabion Slope Protection** (31 36 13)

Note: Machine placed by SY of total top face area for depth indicated.

31 36 13 00-0002 SY 6" Deep Stone Filled Gabion Slope Protection .....39.15  
 31 36 13 00-0003 SY 9" Deep Stone Filled Gabion Slope Protection .....46.79  
 31 36 13 00-0004 SY 12" Deep Stone Filled Gabion Slope Protection .....57.89  
 31 36 13 00-0005 SY 15" Deep Stone Filled Gabion Slope Protection .....67.82  
 31 36 13 00-0006 SY 18" Deep Stone Filled Gabion Slope Protection .....79.44  
 31 36 13 00-0007 SY 24" Deep Stone Filled Gabion Slope Protection .....109.18  
 31 36 13 00-0008 SY 36" Deep Stone Filled Gabion Slope Protection .....138.47

**31 37 Riprap** (31 30)

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, and dumping. See CSI section 01 74 19 00-0032 for hauling greater than 15 miles.

**31 37 00 00-0001 Random - Filter Stone** (31 37)

31 37 00 00-0002 TON Rip Rap, Class 1 .....59.70  
 For Grouted Rip-Rap, Add .....38.43  
 For Imbricated Rip-Rap, Add .....34.30  
 31 37 00 00-0003 TON Rip Rap, Class 2 .....63.61  
 For Grouted Rip-Rap, Add .....40.38  
 For Imbricated Rip-Rap, Add .....34.30  
 31 37 00 00-0004 TON Rip Rap, Class 3 .....41.83  
 For Grouted Rip-Rap, Add .....29.49  
 For Imbricated Rip-Rap, Add .....34.30  
 31 37 00 00-0005 TON Spread Of Rip Rap By Machine .....7.77  
 Note: Excludes material  
 31 37 00 00-0006 TON Hand Spread Of Rip Rap .....16.23  
 Note: Excludes material.

**31 40 Shoring And Underpinning** (31)

**31 41 Shoring** (31 40)

**31 41 13 Timber Shoring** (31 41)

**31 41 13 00-0001 Wood Sheet Piling** (31 41 13)

**31 41 13 00-0002 Pull And Salvage** (31 41 13 00-0001)

Note: Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.

31 41 13 00-0003 SF Wood Shoring, 8' Deep Excavation, Pull And Salvage .....6.42  
 For Wood Sheeting Left In Place .....0.07  
 31 41 13 00-0004 SF Wood Shoring, 10' Deep Excavation, Pull And Salvage .....6.92  
 For Wood Sheeting Left In Place .....-0.01  
 31 41 13 00-0005 SF Wood Shoring, 12' Deep Excavation, Pull And Salvage .....7.47  
 For Wood Sheeting Left In Place .....-0.08  
 31 41 13 00-0006 SF Wood Shoring, 14' Deep Excavation, Pull And Salvage .....8.05  
 For Wood Sheeting Left In Place .....-0.18  
 31 41 13 00-0007 SF Wood Shoring, 16' Deep Excavation, Pull And Salvage .....8.69  
 For Wood Sheeting Left In Place .....-0.27  
 31 41 13 00-0008 SF Wood Shoring, 18' Deep Excavation, Pull And Salvage .....9.38  
 For Wood Sheeting Left In Place .....-0.40  
 31 41 13 00-0009 SF Wood Shoring, 20' Deep Excavation, Pull And Salvage .....10.12  
 For Wood Sheeting Left In Place .....-0.53

**31 41 16 Sheet Piling** (31 41)

**31 41 16 13 Steel Sheet Piling** (31 41 16)

**31 41 16 13-0001 Standard Carbon Grade Steel Sheeting - Pull And Salvage** (31 41 16 13)

Note: Up to 3 months. 38.5 KSI steel per SF minimum. PSF indicated is for the weight of the material per square foot. Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.



<b>Earthwork</b>	<b>31</b>	<b>15</b>
<b>Shoring And Underpinning</b>	<b>31 40</b>	
<b>Shoring</b>	<b>31 41</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 41 16 13-0002 TON Shoring For 15' Excavation, 22 PSF Steel Sheeting, Pull And Salvage.....	1,244.29	
For Standard Sheeting Left In Place, Add	1,265.66	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	1,680.06	
For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	103.60	
For High Strength Sheeting 55,000 PSI Grade, Add	115.11	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	356.84	
For Each Additional Month >3 Months, Add	57.56	
31 41 16 13-0003 TON Shoring For 20' Excavation, 27 PSF Steel Sheeting, Pull And Salvage.....	1,280.31	
For Standard Sheeting Left In Place, Add	1,247.65	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	1,662.05	
For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	103.60	
For High Strength Sheeting 55,000 PSI Grade, Add	115.11	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	356.84	
For Each Additional Month >3 Months, Add	57.56	
31 41 16 13-0004 TON Shoring For 25' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	1,447.82	
For Standard Sheeting Left In Place, Add	1,163.89	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	1,578.29	
For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	103.60	
For High Strength Sheeting 55,000 PSI Grade, Add	115.11	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	356.84	
For Each Additional Month >3 Months, Add	57.56	
31 41 16 13-0005 TON Shoring For 30' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	1,608.99	
For Standard Sheeting Left In Place, Add	1,083.31	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	1,497.71	
For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	103.60	
For High Strength Sheeting 55,000 PSI Grade, Add	115.11	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	356.84	
For Each Additional Month >3 Months, Add	57.56	
31 41 16 13-0006 TON Shoring For 35' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	1,703.80	
For Standard Sheeting Left In Place, Add	1,035.90	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	1,450.30	
For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	103.60	
For High Strength Sheeting 55,000 PSI Grade, Add	115.11	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	356.84	
For Each Additional Month >3 Months, Add	57.56	
31 41 16 13-0007 TON Shoring For 40' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	1,800.51	
For Standard Sheeting Left In Place, Add	987.55	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	1,401.95	
For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	103.60	
For High Strength Sheeting 55,000 PSI Grade, Add	115.11	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	356.84	
For Each Additional Month >3 Months, Add	57.56	

### 31 45 Vibroflotation And Densification <sup>(31 40)</sup>

#### 31 45 13 Vibroflotation <sup>(31 45)</sup>

31 45 13 00-0001 LCY Soil Stabilization, Vibroflotation.....	8.33
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### 31 48 Underpinning <sup>(31 40)</sup>

#### 31 48 33 Micropile Underpinning <sup>(31 48)</sup>

##### 31 48 33 00-0001 Augered Micro-Pile And Grout System <sup>(31 48 33)</sup>

31 48 33 00-0002 EA Micro-Pile Mobilization Per Job.....	1,272.64
31 48 33 00-0003 EA Relocate And Set-up Micro-Pile Equipment At New Pile Cap Location .....	318.16
31 48 33 00-0004 VLF Auger 8" Diameter Hole, Insert GEWI Micro-Pile And Grout Void .....	230.62
Note: Includes GEWI piles, threadbar extensions, couplers, spacers, top nut and steel bearing plate.	
31 48 33 00-0005 VLF Auger 8" Diameter Hole, Insert GEWI Micro-Pile And Grout Void - Indoor.....	270.40
Note: Includes GEWI piles, threadbar extensions, couplers, spacers, top nut and steel bearing plate.	
31 48 33 00-0006 EA Pile Load Test.....	1,590.80

### 31 50 Excavation Support And Protection <sup>(31)</sup>

#### 31 52 Cofferdams <sup>(31 50)</sup>

##### 31 52 21 Portable Cofferdams <sup>(31 52)</sup>

##### 31 52 21 00-0001 Portable Cofferdams <sup>(31 52 21)</sup>

Note: Excludes dewatering and pumps.

##### 31 52 21 00-0002 Portable Cofferdam Rental <sup>(31 52 21 00-0001)</sup>

Note: Excludes delivery and installation.

31 52 21 00-0003 LF 3' High x 7' Width, Portable Cofferdam, Rental Per Month .....	28.08
Note: Minimum 40'	
31 52 21 00-0004 LF 4' High x 9' Width, Portable Cofferdam, Rental Per Month .....	35.95
Note: Minimum 40'	
31 52 21 00-0005 LF 5' High x 11' Width, Portable Cofferdam, Rental Per Month .....	50.55
Note: Minimum 40'	
31 52 21 00-0006 LF 6' High x 13' Width, Portable Cofferdam, Rental Per Month .....	65.16
Note: Minimum 40'	
31 52 21 00-0007 LF 8' High x 17' Width, Portable Cofferdam, Rental Per Month .....	84.26
Note: Minimum 40'	

<b>31</b>	<b>Earthwork</b>
<b>31 50</b>	<b>Excavation Support And Protection</b>
<b>31 52</b>	<b>Cofferdams</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 52 21 00-0008 LF 10' High x 21' Width, Portable Cofferdam, Rental Per Month.....	168.51	
Note: Minimum 40'		
31 52 21 00-0009 LF 12' High x 25' Width, Portable Cofferdam, Rental Per Month.....	235.91	
Note: Minimum 40'		
31 52 21 00-0010 LF 16' High x 33' Width, Portable Cofferdam, Rental Per Month.....	333.65	
Note: Minimum 40'		
<b>31 52 21 00-0011</b> <b>Portable Cofferdam Delivery And Set-up</b> <small>(31 52 21 00-0001)</small>		
Note: Excludes crane usage where required. See CSI section 01 22 23 00-0927 for crane lifting equipment.		
31 52 21 00-0012 LF Up To 5' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water .....	4.87	
31 52 21 00-0013 LF 6' To 8' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water .....	7.79	
31 52 21 00-0014 LF 10' To 12' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water .....	11.69	
31 52 21 00-0015 LF 16' High, Portable Cofferdam, Delivery And Set-up In Dynamic (Rivers Or Streams) Water.....	15.59	
31 52 21 00-0016 LF Up To 5' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water.....	2.93	
31 52 21 00-0017 LF 6' To 8' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water.....	4.87	
31 52 21 00-0018 LF 10' To 12' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water.....	7.79	
31 52 21 00-0019 LF 16' High, Portable Cofferdam, Delivery And Set-up In Static (Lakes Or Ponds) Water.....	10.72	
<b>31 52 21 00-0020</b> <b>Portable Cofferdam Repositioning</b> <small>(31 52 21 00-0001)</small>		
31 52 21 00-0021 LF Up To 5' High, Portable Cofferdam, Repositioning .....	2.43	
31 52 21 00-0022 LF 6' To 8' High, Portable Cofferdam, Repositioning .....	3.89	
31 52 21 00-0023 LF 10' To 12' High, Portable Cofferdam, Repositioning .....	5.84	
31 52 21 00-0024 LF 16' High, Portable Cofferdam, Repositioning .....	7.79	

## 31 60 Special Foundations And Load-bearing Elements (31)

### 31 62 Driven Piles (31 60)

#### 31 62 13 Concrete Piles (31 62)

##### 31 62 13 23 Prestressed Concrete Piles (31 62 13)

##### 31 62 13 23-0001 Square Prestressed Driven Concrete Piles (31 62 13 23)

31 62 13 23-0002 VLF 10" Square Prestressed Driven Concrete Pile .....	24.09	
For Piles Driven In Water, Add	7.87	
31 62 13 23-0003 VLF 12" Square Prestressed Driven Concrete Pile .....	31.43	
For Piles Driven In Water, Add	9.13	
31 62 13 23-0004 VLF 14" Square Prestressed Driven Concrete Pile .....	39.27	
For Piles Driven In Water, Add	10.31	
31 62 13 23-0005 VLF 16" Square Prestressed Driven Concrete Pile .....	49.43	
For Piles Driven In Water, Add	11.77	
31 62 13 23-0006 VLF 18" Square Prestressed Driven Concrete Pile .....	61.28	
For Piles Driven In Water, Add	13.49	
31 62 13 23-0007 VLF 20" Square Prestressed Driven Concrete Pile .....	71.61	
For Piles Driven In Water, Add	15.14	
31 62 13 23-0008 VLF 24" Square Prestressed Driven Concrete Pile .....	93.33	
For Piles Driven In Water, Add	18.03	

##### 31 62 13 23-0009 Octagonal Prestressed Driven Concrete Piles (31 62 13 23)

31 62 13 23-0010 VLF 12" Octagonal Prestressed Driven Concrete Pile .....	44.87	
For Piles Driven In Water, Add	10.11	
31 62 13 23-0011 VLF 14" Octagonal Prestressed Driven Concrete Pile .....	58.14	
For Piles Driven In Water, Add	11.80	
31 62 13 23-0012 VLF 16" Octagonal Prestressed Driven Concrete Pile .....	71.45	
For Piles Driven In Water, Add	13.53	
31 62 13 23-0013 VLF 18" Octagonal Prestressed Driven Concrete Pile .....	88.04	
For Piles Driven In Water, Add	15.64	
31 62 13 23-0014 VLF 20" Octagonal Prestressed Driven Concrete Pile .....	93.45	
For Piles Driven In Water, Add	16.71	
31 62 13 23-0015 VLF 24" Octagonal Prestressed Driven Concrete Pile .....	98.97	
For Piles Driven In Water, Add	17.87	

##### 31 62 13 23-0016 Straight Cylinder Prestressed Driven Concrete Piles (31 62 13 23)

31 62 13 23-0017 VLF 12" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile.....	31.98	
For Piles Driven In Water, Add	8.52	
31 62 13 23-0018 VLF 14" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile.....	38.27	
For Piles Driven In Water, Add	9.45	
31 62 13 23-0019 VLF 16" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile.....	45.75	
For Piles Driven In Water, Add	10.56	
31 62 13 23-0020 VLF 18" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile.....	51.98	
For Piles Driven In Water, Add	11.58	
31 62 13 23-0021 VLF 20" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile.....	66.00	
For Piles Driven In Water, Add	13.43	
31 62 13 23-0022 VLF 24" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile.....	82.20	
For Piles Driven In Water, Add	15.58	



<b>Earthwork</b>	<b>31</b>	<b>13</b>
<b>Special Foundations And Load-bearing Elements</b>	<b>31 60</b>	
<b>Driven Piles</b>	<b>31 62</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**31 62 16 Steel Piles** (31 62)

**31 62 16 16 Steel H Piles** (31 62 16)

**31 62 16 16-0001 Rolled, Driven Steel H Piles** (31 62 16 16)

31 62 16 16-0002	VLF 8" x 8" x 36 LB/FT, Rolled, Driven Steel H Pile.....	40.00
	<i>For Piles Driven In Water, Add</i>	9.99
31 62 16 16-0003	VLF 10" x 10" x 42 LB/FT, Rolled, Driven Steel H Pile.....	45.89
	<i>For Piles Driven In Water, Add</i>	10.87
31 62 16 16-0004	VLF 10" x 10" x 57 LB/FT, Rolled, Driven Steel H Pile.....	59.79
	<i>For Piles Driven In Water, Add</i>	12.26
31 62 16 16-0005	VLF 12" x 12" x 53 LB/FT, Rolled, Driven Steel H Pile.....	56.28
	<i>For Piles Driven In Water, Add</i>	12.09
31 62 16 16-0006	VLF 12" x 12" x 63 LB/FT, Rolled, Driven Steel H Pile.....	65.55
	<i>For Piles Driven In Water, Add</i>	13.02
31 62 16 16-0007	VLF 12" x 12" x 74 LB/FT, Rolled, Driven Steel H Pile.....	76.34
	<i>For Piles Driven In Water, Add</i>	14.64
31 62 16 16-0008	VLF 12" x 12" x 84 LB/FT, Rolled, Driven Steel H Pile.....	85.60
	<i>For Piles Driven In Water, Add</i>	15.56
31 62 16 16-0009	VLF 14" x 14" x 73 LB/FT, Rolled, Driven Steel H Pile.....	75.60
	<i>For Piles Driven In Water, Add</i>	14.73
31 62 16 16-0010	VLF 14" x 14" x 89 LB/FT, Rolled, Driven Steel H Pile.....	91.35
	<i>For Piles Driven In Water, Add</i>	16.31
31 62 16 16-0011	VLF 14" x 14" x 102 LB/FT, Rolled, Driven Steel H Pile.....	103.14
	<i>For Piles Driven In Water, Add</i>	18.09
31 62 16 16-0012	VLF 14" x 14" x 117 LB/FT, Rolled, Driven Steel H Pile.....	117.96
	<i>For Piles Driven In Water, Add</i>	19.57

**31 62 16 16-0013 Splices, Caps, And Points For H-Piles** (31 62 16 16)

**31 62 16 16-0014 Rolled Steel H Pile Splices** (31 62 16 16-0013)

31 62 16 16-0015	EA 8" Rolled Steel H Pile Splice.....	272.19
31 62 16 16-0016	EA 10" Rolled Steel H Pile Splice.....	337.99
31 62 16 16-0017	EA 12" Rolled Steel H Pile Splice.....	436.78
31 62 16 16-0018	EA 14" Rolled Steel H Pile Splice.....	469.68

**31 62 16 16-0019 Rolled Steel H Driving Caps** (31 62 16 16-0013)

31 62 16 16-0020	EA 8" Rolled Steel H Driving Cap.....	5,334.56
31 62 16 16-0021	EA 10" Rolled Steel H Driving Cap.....	5,334.56
31 62 16 16-0022	EA 12" Rolled Steel H Driving Cap.....	5,369.14
31 62 16 16-0023	EA 14" Rolled Steel H Driving Cap.....	8,165.79

**31 62 16 16-0024 Rolled Steel H Standard Pile Points** (31 62 16 16-0013)

31 62 16 16-0025	EA 8" Rolled Steel H Standard Pile Point.....	305.09
31 62 16 16-0026	EA 10" Rolled Steel H Standard Pile Point.....	337.99
31 62 16 16-0027	EA 12" Rolled Steel H Standard Pile Point.....	436.78
31 62 16 16-0028	EA 14" Rolled Steel H Standard Pile Point.....	535.49
31 62 16 16-0029	EA 10" Rolled Steel H Standard Pile Point.....	436.78
31 62 16 16-0030	EA 14" Rolled Steel H Standard Pile Point.....	599.22

**31 62 16 19 Unfilled Tubular Steel Piles** (31 62 16)

**31 62 16 19-0001 Unfilled Tubular Driven Steel Piles** (31 62 16 19)

31 62 16 19-0002	VLF 8" Diameter, Unfilled Tubular Driven Steel Pile.....	29.35
	<i>For Piles Driven In Water, Add</i>	10.59
31 62 16 19-0003	VLF 10" Diameter, Unfilled Tubular Driven Steel Pile.....	34.57
	<i>For Piles Driven In Water, Add</i>	11.12
31 62 16 19-0004	VLF 12" Diameter, Unfilled Tubular Driven Steel Pile.....	41.14
	<i>For Piles Driven In Water, Add</i>	12.17
31 62 16 19-0005	VLF 14" Diameter, Unfilled Tubular Driven Steel Pile.....	44.40
	<i>For Piles Driven In Water, Add</i>	13.34
31 62 16 19-0006	VLF 16" Diameter, Unfilled Tubular Driven Steel Pile.....	49.37
	<i>For Piles Driven In Water, Add</i>	14.87
31 62 16 19-0007	VLF 18" Diameter, Unfilled Tubular Driven Steel Pile.....	61.78
	<i>For Piles Driven In Water, Add</i>	16.96

**31 62 16 19-0008 Splices And Points For Pipe Piles** (31 62 16 19)

**31 62 16 19-0009 Steel Pipe Pile Splices** (31 62 16 19-0008)

31 62 16 19-0010	EA 8" Diameter, Steel Pipe Pile Splice.....	186.55
31 62 16 19-0011	EA 10" Diameter, Steel Pipe Pile Splice.....	203.10
31 62 16 19-0012	EA 12" Diameter, Steel Pipe Pile Splice.....	261.59
31 62 16 19-0013	EA 14" Diameter, Steel Pipe Pile Splice.....	277.92
31 62 16 19-0014	EA 16" Diameter, Steel Pipe Pile Splice.....	339.56
31 62 16 19-0015	EA 18" Diameter, Steel Pipe Pile Splice.....	413.59

**31 Earthwork****31 60 Special Foundations And Load-bearing Elements****31 62 Driven Piles**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 16 19-0016			<b>Steel Pipe Standard Pile Points</b> <small>(31 62 16 19-0008)</small>		
31 62 16 19-0017	EA		8" Diameter, Steel Pipe Standard Pile Point.....	180.08	
31 62 16 19-0018	EA		10" Diameter, Steel Pipe Standard Pile Point.....	193.33	
31 62 16 19-0019	EA		12" Diameter, Steel Pipe Standard Pile Point.....	220.11	
31 62 16 19-0020	EA		14" Diameter, Steel Pipe Standard Pile Point.....	256.56	
31 62 16 19-0021	EA		16" Diameter, Steel Pipe Standard Pile Point.....	289.70	
31 62 16 19-0022	EA		18" Diameter, Steel Pipe Standard Pile Point.....	333.17	
31 62 16 19-0023			<b>Steel Pipe Heavy Duty Pile Points</b> <small>(31 62 16 19-0008)</small>		
31 62 16 19-0024	EA		10" Diameter, Steel Pipe Heavy Duty Pile Point.....	260.60	
31 62 16 19-0025	EA		12" Diameter, Steel Pipe Heavy Duty Pile Point.....	277.17	
31 62 16 19-0026	EA		14" Diameter, Steel Pipe Heavy Duty Pile Point.....	312.54	
31 62 16 19-0027	EA		16" Diameter, Steel Pipe Heavy Duty Pile Point.....	378.81	
31 62 16 19-0028	EA		18" Diameter, Steel Pipe Heavy Duty Pile Point.....	433.47	
31 62 19			<b>Timber Piles</b> <small>(31 62)</small>		
31 62 19 00-0001			<b>Friction Or End Bearing, Driven Treated Wood Piles</b> <small>(31 62 19)</small>		
			Note: 12 LB Penta-treated/CF.		
31 62 19 00-0002	LF		Up To 30', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile.....	28.79	
			For Piles Driven In Water, Add	8.20	
			For Untreated Pile, Deduct	-8.47	
			For Each Pile Tip Point, Add	12.50	
			For Each Pile Butt, Driving Cap, Add	20.10	
			For Each Splice For Pile >50', Add	139.40	
31 62 19 00-0003	LF		>30' To 39', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile.....	29.78	
			For Piles Driven In Water, Add	8.96	
			For Untreated Pile, Deduct	-8.56	
			For Each Pile Tip Point, Add	12.50	
			For Each Pile Butt, Driving Cap, Add	20.10	
			For Each Splice For Pile >50', Add	139.40	
31 62 19 00-0004	LF		39' To 49', 12" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile.....	31.27	
			For Piles Driven In Water, Add	9.51	
			For Untreated Pile, Deduct	-8.95	
			For Each Pile Tip Point, Add	12.50	
			For Each Pile Butt, Driving Cap, Add	20.10	
			For Each Splice For Pile >50', Add	139.40	
31 62 19 00-0005	LF		>49' To 59', 13" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile.....	33.23	
			For Piles Driven In Water, Add	10.50	
			For Untreated Pile, Deduct	-9.35	
			For Each Pile Tip Point, Add	12.50	
			For Each Pile Butt, Driving Cap, Add	20.10	
			For Each Splice For Pile >50', Add	139.40	
31 62 19 00-0006	LF		>59' To 69', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile.....	42.67	
			For Piles Driven In Water, Add	12.24	
			For Untreated Pile, Deduct	-12.51	
			For Each Pile Tip Point, Add	12.50	
			For Each Pile Butt, Driving Cap, Add	20.10	
			For Each Splice For Pile >50', Add	139.40	
31 62 19 00-0007	LF		>69' To 79', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile.....	53.87	
			For Piles Driven In Water, Add	14.95	
			For Untreated Pile, Deduct	-16.00	
			For Each Pile Tip Point, Add	12.50	
			For Each Pile Butt, Driving Cap, Add	20.10	
			For Each Splice For Pile >50', Add	139.40	
31 62 23			<b>Composite Piles</b> <small>(31 62)</small>		
31 62 23 13			<b>Concrete-Filled Steel Piles</b> <small>(31 62 23)</small>		
31 62 23 13-0001			<b>Concrete-Filled Driven Steel Pipe Piles</b> <small>(31 62 23 13)</small>		
			Note: Includes 4,000 PSI concrete. Excludes reinforcing.		
31 62 23 13-0002	VLF		8" Diameter x 29 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	32.54	
			For Piles Driven In Water, Add	11.58	
31 62 23 13-0003	VLF		10" Diameter x 34 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	39.40	
			For Piles Driven In Water, Add	12.45	
31 62 23 13-0004	VLF		12" Diameter x 42 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	48.00	
			For Piles Driven In Water, Add	14.03	
31 62 23 13-0005	VLF		14" Diameter x 46 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	53.12	
			For Piles Driven In Water, Add	16.09	
31 62 23 13-0006	VLF		16" Diameter x 52 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	59.78	
			For Piles Driven In Water, Add	17.40	
31 62 23 13-0007	VLF		18" Diameter x 59 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	74.70	
			For Piles Driven In Water, Add	19.82	
31 62 23 13-0008			<b>7 Gauge, Constant Diameter Concrete-Filled Driven Steel Piles</b> <small>(31 62 23 13)</small>		
			Note: End bearing, with fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.		
31 62 23 13-0009	VLF		12" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile.....	42.98	
			For Piles Driven In Water, Add	10.68	



<b>Earthwork</b>	<b>31</b>	
<b>Special Foundations And Load-bearing Elements</b>	<b>31 60</b>	<b>15</b>
<b>Driven Piles</b>	<b>31 62</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 23 13-0010 VLF 14" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile..... <i>For Piles Driven In Water, Add</i>	52.66 12.10	
31 62 23 13-0011 VLF 16" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile..... <i>For Piles Driven In Water, Add</i>	59.83 13.35	
31 62 23 13-0012 VLF 18" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile..... <i>For Piles Driven In Water, Add</i>	65.10 14.48	
<b>31 62 23 13-0013 Tapered Friction Concrete-Filled Driven Steel Piles</b> (31 62 23 13) Note: With fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.		
31 62 23 13-0014 VLF 12" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile..... <i>For Piles Driven In Water, Add</i>	42.09 10.59	
31 62 23 13-0015 VLF 14" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile..... <i>For Piles Driven In Water, Add</i>	43.03 11.13	
31 62 23 13-0016 VLF 16" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile..... <i>For Piles Driven In Water, Add</i>	53.08 12.67	
31 62 23 13-0017 VLF 18" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile..... <i>For Piles Driven In Water, Add</i>	61.53 14.13	
<b>31 62 23 13-0018 Thin Wall Shell Straight Sided Driven Steel Piles</b> (31 62 23 13)		
31 62 23 13-0019 VLF 8" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile..... <i>For Piles Driven In Water, Add</i> <i>For Thick Wall Shell, Add</i>	24.42 7.82 0.05	
31 62 23 13-0020 VLF 10" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile..... <i>For Piles Driven In Water, Add</i> <i>For Thick Wall Shell, Add</i>	26.94 8.68 0.05	
31 62 23 13-0021 VLF 12" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile..... <i>For Piles Driven In Water, Add</i> <i>For Thick Wall Shell, Add</i>	29.43 9.52 0.06	
31 62 23 13-0022 VLF 14" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile..... <i>For Piles Driven In Water, Add</i> <i>For Thick Wall Shell, Add</i>	31.94 10.37 0.06	
31 62 23 13-0023 VLF 16" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile..... <i>For Piles Driven In Water, Add</i> <i>For Thick Wall Shell, Add</i>	34.46 11.22 0.06	
<b>31 63 Bored Piles</b> (31 63)		
<b>31 63 36 Drilled Steel Piles</b> (31 63)		
31 63 36 00-0001 Drill Hole (31 63 36) Note: Excludes removal of excess material.		
<b>31 63 36 00-0002 Drilling Mobilization</b> (31 63 36 00-0001)		
31 63 36 00-0003 EA >12" To 24" Diameter Hole, Drilling Mobilization .....	477.24	
31 63 36 00-0004 EA >24" Diameter Hole, Drilling Mobilization.....	636.32	
<b>31 63 36 00-0005 Drill Hole In Soil</b> (31 63 36 00-0001)		
31 63 36 00-0006 LF 18" Diameter, Up To 24' Depth, Drilled/Augered Hole .....	24.72	
31 63 36 00-0007 LF 20" Diameter, Up To 24' Depth, Drilled/Augered Hole .....	28.75	
31 63 36 00-0008 LF 22" Diameter, Up To 24' Depth, Drilled/Augered Hole .....	33.78	
31 63 36 00-0009 LF 24" Diameter, Up To 24' Depth, Drilled/Augered Hole .....	39.82	
31 63 36 00-0010 LF 26" Diameter, Up To 24' Depth, Drilled/Augered Hole .....	43.04	
31 63 36 00-0011 LF 28" Diameter, Up To 24' Depth, Drilled/Augered Hole .....	47.35	
31 63 36 00-0012 LF 30" Diameter, Up To 24' Depth, Drilled/Augered Hole .....	51.87	
<b>31 63 36 00-0013 Steel H Piles</b> (31 63 36)		
<b>31 63 36 00-0014 Placed In Drilled Hole, Rolled Steel H-Section Piles</b> (31 63 36 00-0013) Note: Includes guides, bracing and alignment.		
31 63 36 00-0015 VLF 8" x 8" x 36 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile..... <i>For &gt;2,400 To 3,600, Deduct</i> <i>For &gt;3,600 To 4,800, Deduct</i> <i>For &gt;4,800 To 6,000, Deduct</i> <i>For &gt;6,000, Deduct</i>	40.57 -1.19 -2.39 -4.42 -6.45	
31 63 36 00-0016 VLF 10" x 10" x 42 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile..... <i>For &gt;2,400 To 3,600, Deduct</i> <i>For &gt;3,600 To 4,800, Deduct</i> <i>For &gt;4,800 To 6,000, Deduct</i> <i>For &gt;6,000, Deduct</i>	46.50 -1.35 -2.70 -5.03 -7.35	
31 63 36 00-0017 VLF 10" x 10" x 57 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile..... <i>For &gt;2,400 To 3,600, Deduct</i> <i>For &gt;3,600 To 4,800, Deduct</i> <i>For &gt;4,800 To 6,000, Deduct</i> <i>For &gt;6,000, Deduct</i>	60.40 -1.70 -3.40 -6.42 -9.44	
31 63 36 00-0018 VLF 12" x 12" x 53 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile..... <i>For &gt;2,400 To 3,600, Deduct</i> <i>For &gt;3,600 To 4,800, Deduct</i> <i>For &gt;4,800 To 6,000, Deduct</i> <i>For &gt;6,000, Deduct</i>	56.91 -1.62 -3.24 -6.08 -8.93	



**31 Earthwork****31 60 Special Foundations And Load-bearing Elements****31 63 Bored Piles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 63 36 00-0019 VLF 12" x 12" x 63 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	66.18	
For >2,400 To 3,600, Deduct	-1.85	
For >3,600 To 4,800, Deduct	-3.70	
For >4,800 To 6,000, Deduct	-7.01	
For >6,000, Deduct	-10.32	
31 63 36 00-0020 VLF 12" x 12" x 74 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	77.02	
For >2,400 To 3,600, Deduct	-2.14	
For >3,600 To 4,800, Deduct	-4.27	
For >4,800 To 6,000, Deduct	-8.13	
For >6,000, Deduct	-11.98	
31 63 36 00-0021 VLF 12" x 12" x 84 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	86.28	
For >2,400 To 3,600, Deduct	-2.37	
For >3,600 To 4,800, Deduct	-4.74	
For >4,800 To 6,000, Deduct	-9.05	
For >6,000, Deduct	-13.37	
31 63 36 00-0022 VLF 14" x 14" x 73 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	76.30	
For >2,400 To 3,600, Deduct	-2.12	
For >3,600 To 4,800, Deduct	-4.25	
For >4,800 To 6,000, Deduct	-8.06	
For >6,000, Deduct	-11.88	
31 63 36 00-0023 VLF 14" x 14" x 89 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	92.05	
For >2,400 To 3,600, Deduct	-2.52	
For >3,600 To 4,800, Deduct	-5.04	
For >4,800 To 6,000, Deduct	-9.64	
For >6,000, Deduct	-14.24	
31 63 36 00-0024 VLF 14" x 14" x 102 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	103.90	
For >2,400 To 3,600, Deduct	-2.83	
For >3,600 To 4,800, Deduct	-5.67	
For >4,800 To 6,000, Deduct	-10.86	
For >6,000, Deduct	-16.06	
31 63 36 00-0025 VLF 14" x 14" x 117 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	118.72	
For >2,400 To 3,600, Deduct	-3.20	
For >3,600 To 4,800, Deduct	-6.41	
For >4,800 To 6,000, Deduct	-12.34	
For >6,000, Deduct	-18.28	
<b>31 63 36 00-0026 Welded Steel Stud Pins</b> <small>(31 63 36 00-0013)</small>		
Note: Includes welding to steel piles.		
31 63 36 00-0027 EA 5/8" Diameter x 2-1/2" Long, Welded Steel Stud Pins.....	8.25	
For >50 To 150, Deduct	-0.36	
For >150 To 250, Deduct	-0.74	
For >250 To 500, Deduct	-1.13	
For >500, Deduct	-1.52	
31 63 36 00-0028 EA 5/8" Diameter x 5" Long, Welded Steel Stud Pins.....	9.35	
For >50 To 150, Deduct	-0.36	
For >150 To 250, Deduct	-0.77	
For >250 To 500, Deduct	-1.19	
For >500, Deduct	-1.60	
31 63 36 00-0029 EA 5/8" Diameter x 7" Long, Welded Steel Stud Pins.....	10.41	
For >50 To 150, Deduct	-0.36	
For >150 To 250, Deduct	-0.80	
For >250 To 500, Deduct	-1.24	
For >500, Deduct	-1.68	
31 63 36 00-0030 EA 3/4" Diameter x 2-1/2" Long, Welded Steel Stud Pins.....	9.26	
For >50 To 150, Deduct	-0.38	
For >150 To 250, Deduct	-0.80	
For >250 To 500, Deduct	-1.22	
For >500, Deduct	-1.64	
31 63 36 00-0031 EA 3/4" Diameter x 5" Long, Welded Steel Stud Pins.....	10.92	
For >50 To 150, Deduct	-0.38	
For >150 To 250, Deduct	-0.84	
For >250 To 500, Deduct	-1.30	
For >500, Deduct	-1.76	
31 63 36 00-0032 EA 3/4" Diameter x 7" Long, Welded Steel Stud Pins.....	12.08	
For >50 To 150, Deduct	-0.38	
For >150 To 250, Deduct	-0.87	
For >250 To 500, Deduct	-1.36	
For >500, Deduct	-1.85	
31 63 36 00-0033 EA 7/8" Diameter x 2-1/2" Long, Welded Steel Stud Pins.....	10.55	
For >50 To 150, Deduct	-0.39	
For >150 To 250, Deduct	-0.85	
For >250 To 500, Deduct	-1.31	
For >500, Deduct	-1.77	
31 63 36 00-0034 EA 7/8" Diameter x 5" Long, Welded Steel Stud Pins.....	13.26	
For >50 To 150, Deduct	-0.39	
For >150 To 250, Deduct	-0.92	
For >250 To 500, Deduct	-1.45	
For >500, Deduct	-1.98	
31 63 36 00-0035 EA 7/8" Diameter x 7" Long, Welded Steel Stud Pins.....	14.59	
For >50 To 150, Deduct	-0.39	
For >150 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.51	
For >500, Deduct	-2.08	



<b>Earthwork</b>	<b>31</b>
<b>Special Foundations And Load-bearing Elements</b>	<b>31 60</b>
<b>Bored Piles</b>	<b>31 63</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>31 63 36 00-0036</b>	<b>Concrete Fill</b> <small>(31 63 36)</small> See CSI section 03 37 16 00-0001 for pumping equipment.	
31 63 36 00-0037	VLF 18" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	42.03
31 63 36 00-0038	VLF 20" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	46.70
31 63 36 00-0039	VLF 22" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	51.36
31 63 36 00-0040	VLF 24" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	56.04
31 63 36 00-0041	VLF 26" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	60.71
31 63 36 00-0042	VLF 28" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	65.38
31 63 36 00-0043	VLF 30" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	73.23

**31 64 Caissons** (31 60)

**31 64 13 Box Caissons** (31 64)

<b>31 64 13 00-0001</b>	<b>Caisson In Stable Ground No Casing Or Ground Water</b> <small>(31 64 13)</small> Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.	
<b>31 64 13 00-0002</b>	<b>Caisson In Stable Ground</b> <small>(31 64 13 00-0001)</small> Note: Includes 3000 PSI concrete and reinforcing.	
31 64 13 00-0003	VLF 18" Diameter Caisson, No Casing Stable Ground, No Ground Water ..... Note: 0.066 CY Concrete per VLF, 9 lbs rebar per VLF.	43.48
	<i>For &gt;50' To 100' Deep, Add</i>	5.00
	<i>For &gt;100' To 150' Deep, Add</i>	10.87
	<i>For &gt;150' To 200' Deep, Add</i>	15.49
	<i>For Right Angle Drilling, Add</i>	9.10
31 64 13 00-0004	VLF 24" Diameter Caisson, No Casing Stable Ground, No Ground Water ..... Note: 0.116 CY Concrete per VLF, 14 lbs rebar per VLF.	60.49
	<i>For &gt;50' To 100' Deep, Add</i>	7.49
	<i>For &gt;100' To 150' Deep, Add</i>	15.12
	<i>For &gt;150' To 200' Deep, Add</i>	22.22
	<i>For Right Angle Drilling, Add</i>	10.99
31 64 13 00-0005	VLF 30" Diameter Caisson, No Casing Stable Ground, No Ground Water ..... Note: 0.182 CY Concrete per VLF, 23 lbs rebar per VLF.	90.08
	<i>For &gt;50' To 100' Deep, Add</i>	11.51
	<i>For &gt;100' To 150' Deep, Add</i>	22.52
	<i>For &gt;150' To 200' Deep, Add</i>	33.53
	<i>For Right Angle Drilling, Add</i>	15.26
31 64 13 00-0006	VLF 36" Diameter Caisson, No Casing Stable Ground, No Ground Water ..... Note: 0.262 CY Concrete per VLF, 33 lbs rebar per VLF.	123.59
	<i>For &gt;50' To 100' Deep, Add</i>	16.14
	<i>For &gt;100' To 150' Deep, Add</i>	30.90
	<i>For &gt;150' To 200' Deep, Add</i>	46.44
	<i>For Right Angle Drilling, Add</i>	19.86
31 64 13 00-0007	VLF 42" Diameter Caisson, No Casing Stable Ground, No Ground Water ..... Note: 0.356 CY Concrete per VLF, 48 lbs rebar per VLF.	165.31
	<i>For &gt;50' To 100' Deep, Add</i>	22.08
	<i>For &gt;100' To 150' Deep, Add</i>	41.33
	<i>For &gt;150' To 200' Deep, Add</i>	62.73
	<i>For Right Angle Drilling, Add</i>	25.02
31 64 13 00-0008	VLF 48" Diameter Caisson No Casing Stable Ground, No Ground Water ..... Note: 0.465 CY Concrete per VLF, 57 lbs rebar per VLF.	202.22
	<i>For &gt;50' To 100' Deep, Add</i>	27.29
	<i>For &gt;100' To 150' Deep, Add</i>	50.56
	<i>For &gt;150' To 200' Deep, Add</i>	77.09
	<i>For Right Angle Drilling, Add</i>	29.73
31 64 13 00-0009	VLF 54" Diameter Caisson No Casing Stable Ground, No Ground Water ..... Note: 0.589 CY Concrete per VLF, 76 lbs rebar per VLF.	252.94
	<i>For &gt;50' To 100' Deep, Add</i>	34.73
	<i>For &gt;100' To 150' Deep, Add</i>	63.24
	<i>For &gt;150' To 200' Deep, Add</i>	97.16
	<i>For Right Angle Drilling, Add</i>	35.33
31 64 13 00-0010	VLF 60" Diameter Caisson No Casing Stable Ground, No Ground Water ..... Note: 0.727 CY Concrete per VLF, 93 lbs rebar per VLF.	304.10
	<i>For &gt;50' To 100' Deep, Add</i>	42.24
	<i>For &gt;100' To 150' Deep, Add</i>	76.03
	<i>For &gt;150' To 200' Deep, Add</i>	117.42
	<i>For Right Angle Drilling, Add</i>	40.97
31 64 13 00-0011	VLF 66" Diameter Caisson No Casing Stable Ground, No Ground Water ..... Note: 0.88 CY Concrete per VLF, 113 lbs rebar per VLF.	361.71
	<i>For &gt;50' To 100' Deep, Add</i>	50.67
	<i>For &gt;100' To 150' Deep, Add</i>	90.43
	<i>For &gt;150' To 200' Deep, Add</i>	140.20
	<i>For Right Angle Drilling, Add</i>	47.39
31 64 13 00-0012	VLF 72" Diameter Caisson No Casing Stable Ground, No Ground Water ..... Note: 1.047 CY Concrete per VLF, 134 lbs rebar per VLF.	428.87
	<i>For &gt;50' To 100' Deep, Add</i>	60.53
	<i>For &gt;100' To 150' Deep, Add</i>	107.22
	<i>For &gt;150' To 200' Deep, Add</i>	166.80
	<i>For Right Angle Drilling, Add</i>	54.77
31 64 13 00-0013	VLF 78" Diameter Caisson No Casing Stable Ground, No Ground Water ..... Note: 1.229 CY Concrete per VLF, 157 lbs rebar per VLF.	496.79
	<i>For &gt;50' To 100' Deep, Add</i>	70.58
	<i>For &gt;100' To 150' Deep, Add</i>	124.20
	<i>For &gt;150' To 200' Deep, Add</i>	193.79
	<i>For Right Angle Drilling, Add</i>	61.98

**31 Earthwork****31 60 Special Foundations And Load-bearing Elements****31 64 Caissons**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	31 64 13 00-0014	VLF	84" Diameter Caisson No Casing Stable Ground, No Ground Water ..... Note: 1.425 CY Concrete per VLF, 183 lbs rebar per VLF.	569.76	
			For >50' To 100' Deep, Add	81.41	
			For >100' To 150' Deep, Add	142.44	
			For >150' To 200' Deep, Add	222.84	
			For Right Angle Drilling, Add	69.65	
	<b>31 64 13 00-0015</b>		<b>For Bell Excavation And Concrete, Add</b> <small>(31 64 13 00-0001)</small>		
	31 64 13 00-0016	EA	Bell Excavation And Concrete, 4' Bell Diameter Stable Ground, 24" Shaft, 0.44 CY ..... For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add	261.25 23.98 65.31 85.49	
	31 64 13 00-0017	EA	Bell Excavation And Concrete, 6' Bell Diameter Stable Ground, 30" Shaft, 1.57 CY ..... For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add	919.99 84.64 230.00 301.29	
	31 64 13 00-0018	EA	Bell Excavation And Concrete, 7' Bell Diameter Stable Ground, 36" Shaft, 2.33 CY ..... For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add	1,415.46 133.13 353.87 467.20	
	31 64 13 00-0019	EA	Bell Excavation And Concrete, 8' Bell Diameter Stable Ground, 42" Shaft, 3.30 CY ..... For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add	1,968.93 185.68 492.23 650.50	
	31 64 13 00-0020	EA	Bell Excavation And Concrete, 9' Bell Diameter Stable Ground, 48" Shaft, 4.48 CY ..... For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add	2,620.38 240.98 655.10 858.05	
	31 64 13 00-0021	EA	Bell Excavation And Concrete, 10' Bell Diameter Stable Ground, 60" Shaft, 5.24 CY ..... For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add	3,079.71 283.04 769.93 1,008.24	
	31 64 13 00-0022	EA	Bell Excavation And Concrete, 12' Bell Diameter Stable Ground, 72" Shaft, 8.74 CY ..... For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add	5,211.79 477.61 1,302.95 1,704.52	
	31 64 13 00-0023	EA	Bell Excavation And Concrete, 14' Bell Diameter Stable Ground, 84" Shaft, 13.6 CY ..... For >50' To 100' Deep, Add For >100' To 150' Deep, Add For >150' To 200' Deep, Add	7,618.57 708.27 1,904.64 2,504.29	
	<b>31 64 13 00-0024</b>		<b>Caisson In Wet Ground, Casing Pulled</b> <small>(31 64 13)</small> Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.		
	<b>31 64 13 00-0025</b>		<b>Caisson In Wet Ground</b> <small>(31 64 13 00-0024)</small> Note: Includes 3000 PSI concrete and reinforcing.		
	31 64 13 00-0026	VLF	18" Diameter Caisson Wet Ground, Casing Pulled ..... Note: 0.066 CY Concrete per VLF, 9 lbs rebar per VLF.	46.06	
			For >50' To 100' Deep, Add	5.17	
			For >100' To 150' Deep, Add	11.52	
			For >150' To 200' Deep, Add	16.25	
			For Right Angle Drilling, Add	10.03	
	31 64 13 00-0027	VLF	24" Diameter Caisson Wet Ground, Casing Pulled ..... Note: 0.116 CY Concrete per VLF, 14 lbs rebar per VLF.	76.90	
			For >50' To 100' Deep, Add	8.64	
			For >100' To 150' Deep, Add	19.23	
			For >150' To 200' Deep, Add	27.14	
			For Right Angle Drilling, Add	16.73	
	31 64 13 00-0028	VLF	30" Diameter Caisson Wet Ground, Casing Pulled ..... Note: 0.182 CY Concrete per VLF, 23 lbs rebar per VLF.	108.49	
			For >50' To 100' Deep, Add	12.80	
			For >100' To 150' Deep, Add	27.12	
			For >150' To 200' Deep, Add	39.06	
			For Right Angle Drilling, Add	21.70	
	31 64 13 00-0029	VLF	36" Diameter Caisson Wet Ground, Casing Pulled ..... Note: 0.262 CY Concrete per VLF, 33 lbs rebar per VLF.	151.44	
			For >50' To 100' Deep, Add	18.09	
			For >100' To 150' Deep, Add	37.86	
			For >150' To 200' Deep, Add	54.79	
			For Right Angle Drilling, Add	29.61	
	31 64 13 00-0030	VLF	42" Diameter Caisson Wet Ground, Casing Pulled ..... Note: 0.356 CY Concrete per VLF, 48 lbs rebar per VLF.	199.74	
			For >50' To 100' Deep, Add	24.49	
			For >100' To 150' Deep, Add	49.94	
			For >150' To 200' Deep, Add	73.06	
			For Right Angle Drilling, Add	37.07	
	31 64 13 00-0031	VLF	48" Diameter Caisson Wet Ground, Casing Pulled ..... Note: 0.465 CY Concrete per VLF, 57 lbs rebar per VLF.	243.10	
			For >50' To 100' Deep, Add	30.15	
			For >100' To 150' Deep, Add	60.78	
			For >150' To 200' Deep, Add	89.35	
			For Right Angle Drilling, Add	44.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0032 VLF 54" Diameter Caisson Wet Ground, Casing Pulled.....	314.51	
Note: 0.589 CY Concrete per VLF, 76 lbs rebar per VLF.		
For >50' To 100' Deep, Add	39.04	
For >100' To 150' Deep, Add	78.63	
For >150' To 200' Deep, Add	115.63	
For Right Angle Drilling, Add	56.88	
31 64 13 00-0033 VLF 60" Diameter Caisson Wet Ground, Casing Pulled.....	385.83	
Note: 0.727 CY Concrete per VLF, 93 lbs rebar per VLF.		
For >50' To 100' Deep, Add	47.96	
For >100' To 150' Deep, Add	96.46	
For >150' To 200' Deep, Add	141.93	
For Right Angle Drilling, Add	69.58	
31 64 13 00-0034 VLF 66" Diameter Caisson Wet Ground, Casing Pulled.....	451.15	
Note: 0.87 CY Concrete per VLF, 113 lbs rebar per VLF.		
For >50' To 100' Deep, Add	56.93	
For >100' To 150' Deep, Add	112.79	
For >150' To 200' Deep, Add	167.03	
For Right Angle Drilling, Add	78.70	
31 64 13 00-0035 VLF 72" Diameter Caisson Wet Ground, Casing Pulled.....	525.98	
Note: 1.047 CY Concrete per VLF, 134 lbs rebar per VLF.		
For >50' To 100' Deep, Add	67.33	
For >100' To 150' Deep, Add	131.50	
For >150' To 200' Deep, Add	195.93	
For Right Angle Drilling, Add	88.76	
31 64 13 00-0036 VLF 78" Diameter Caisson Wet Ground, Casing Pulled.....	606.68	
Note: 1.229 CY Concrete per VLF, 157 lbs rebar per VLF.		
For >50' To 100' Deep, Add	78.27	
For >100' To 150' Deep, Add	151.67	
For >150' To 200' Deep, Add	226.76	
For Right Angle Drilling, Add	100.45	
31 64 13 00-0037 VLF 84" Diameter Caisson Wet Ground, Casing Pulled.....	692.65	
Note: 1.425 CY Concrete per VLF, 183 lbs rebar per VLF.		
For >50' To 100' Deep, Add	90.01	
For >100' To 150' Deep, Add	173.16	
For >150' To 200' Deep, Add	259.70	
For Right Angle Drilling, Add	112.66	
<b>31 64 13 00-0038 For Bell Excavation And Concrete, Add</b> <small>(31 64 13 00-0024)</small>		
31 64 13 00-0039 EA Bell Excavation And Concrete, 4' Bell Diameter Wet Ground 24" Shaft, 0.44 CY.....	290.31	
For >50' To 100' Deep, Add	26.01	
For >100' To 150' Deep, Add	72.58	
For >150' To 200' Deep, Add	94.21	
31 64 13 00-0040 EA Bell Excavation And Concrete, 6' Bell Diameter Wet Ground, 30" Shaft, 1.57 CY.....	1,014.26	
For >50' To 100' Deep, Add	91.24	
For >100' To 150' Deep, Add	253.57	
For >150' To 200' Deep, Add	329.58	
31 64 13 00-0041 EA Bell Excavation And Concrete, 7' Bell Diameter Wet Ground, 36" Shaft, 2.33 CY.....	1,289.05	
For >50' To 100' Deep, Add	103.20	
For >100' To 150' Deep, Add	322.26	
For >150' To 200' Deep, Add	402.92	
31 64 13 00-0042 EA Bell Excavation And Concrete, 8' Bell Diameter Wet Ground, 42" Shaft, 3.3 CY.....	2,252.26	
For >50' To 100' Deep, Add	205.51	
For >100' To 150' Deep, Add	563.07	
For >150' To 200' Deep, Add	735.50	
31 64 13 00-0043 EA Bell Excavation And Concrete, 9' Bell Diameter Wet Ground, 48" Shaft, 4.48 CY.....	2,889.08	
For >50' To 100' Deep, Add	259.79	
For >100' To 150' Deep, Add	722.27	
For >150' To 200' Deep, Add	938.66	
31 64 13 00-0044 EA Bell Excavation And Concrete, 10' Bell Diameter Wet Ground, 60" Shaft, 5.24 CY.....	3,395.82	
For >50' To 100' Deep, Add	305.17	
For >100' To 150' Deep, Add	848.96	
For >150' To 200' Deep, Add	1,103.07	
31 64 13 00-0045 EA Bell Excavation And Concrete, 12' Bell Diameter Wet Ground, 72" Shaft, 8.74 CY.....	5,749.17	
For >50' To 100' Deep, Add	515.23	
For >100' To 150' Deep, Add	1,437.29	
For >150' To 200' Deep, Add	1,865.73	
31 64 13 00-0046 EA Bell Excavation And Concrete, 14' Bell Diameter Wet Ground, 84" Shaft, 13.6 CY.....	8,386.27	
For >50' To 100' Deep, Add	762.01	
For >100' To 150' Deep, Add	2,096.57	
For >150' To 200' Deep, Add	2,734.60	
<b>31 64 13 00-0047 Caisson In Soft Rock And Medium Hard Shale</b> <small>(31 64 13)</small>		
Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.		
<b>31 64 13 00-0048 Caisson In Soft Rock</b> <small>(31 64 13 00-0047)</small>		
Note: Includes 3000 PSI concrete and reinforcing.		
31 64 13 00-0049 VLF 18" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	137.88	
Note: 0.066 CY Concrete per VLF, 9 lbs rebar per VLF.		
For >50' To 100' Deep, Add	11.60	
For >100' To 150' Deep, Add	34.47	
For >150' To 200' Deep, Add	43.80	
For Right Angle Drilling, Add	42.17	

**31 Earthwork****31 60 Special Foundations And Load-bearing Elements****31 64 Caissons**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0050 VLF 24" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	229.95	
Note: 0.116 CY Concrete per VLF, 14 lbs rebar per VLF.		
For >50' To 100' Deep, Add	19.36	
For >100' To 150' Deep, Add	57.49	
For >150' To 200' Deep, Add	73.06	
For Right Angle Drilling, Add	70.30	
31 64 13 00-0051 VLF 30" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	348.88	
Note: 0.182 CY Concrete per VLF, 23 lbs rebar per VLF.		
For >50' To 100' Deep, Add	29.63	
For >100' To 150' Deep, Add	87.22	
For >150' To 200' Deep, Add	111.17	
For Right Angle Drilling, Add	105.84	
31 64 13 00-0052 VLF 36" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	452.05	
Note: 0.262 CY Concrete per VLF, 33 lbs rebar per VLF.		
For >50' To 100' Deep, Add	39.13	
For >100' To 150' Deep, Add	113.01	
For >150' To 200' Deep, Add	144.97	
For Right Angle Drilling, Add	134.82	
31 64 13 00-0053 VLF 42" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	578.85	
Note: 0.356 CY Concrete per VLF, 48 lbs rebar per VLF.		
For >50' To 100' Deep, Add	51.03	
For >100' To 150' Deep, Add	144.71	
For >150' To 200' Deep, Add	186.79	
For Right Angle Drilling, Add	169.76	
31 64 13 00-0054 VLF 48" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	701.20	
Note: 0.465 CY Concrete per VLF, 57 lbs rebar per VLF.		
For >50' To 100' Deep, Add	62.22	
For >100' To 150' Deep, Add	175.30	
For >150' To 200' Deep, Add	226.78	
For Right Angle Drilling, Add	204.37	
31 64 13 00-0055 VLF 54" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	865.07	
Note: 0.589 CY Concrete per VLF, 76 lbs rebar per VLF.		
For >50' To 100' Deep, Add	77.58	
For >100' To 150' Deep, Add	216.27	
For >150' To 200' Deep, Add	280.80	
For Right Angle Drilling, Add	249.57	
31 64 13 00-0056 VLF 60" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,028.97	
Note: 0.727 CY Concrete per VLF, 93 lbs rebar per VLF.		
For >50' To 100' Deep, Add	92.98	
For >100' To 150' Deep, Add	257.24	
For >150' To 200' Deep, Add	334.88	
For Right Angle Drilling, Add	294.68	
31 64 13 00-0057 VLF 66" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,148.11	
Note: 0.88 CY Concrete per VLF, 113 lbs rebar per VLF.		
For >50' To 100' Deep, Add	105.72	
For >100' To 150' Deep, Add	287.03	
For >150' To 200' Deep, Add	376.12	
For Right Angle Drilling, Add	322.63	
31 64 13 00-0058 VLF 72" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,276.34	
Note: 1.047 CY Concrete per VLF, 134 lbs rebar per VLF.		
For >50' To 100' Deep, Add	119.85	
For >100' To 150' Deep, Add	319.09	
For >150' To 200' Deep, Add	421.04	
For Right Angle Drilling, Add	351.38	
31 64 13 00-0059 VLF 78" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,342.57	
Note: 1.229 CY Concrete per VLF, 157 lbs rebar per VLF.		
For >50' To 100' Deep, Add	129.79	
For >100' To 150' Deep, Add	335.64	
For >150' To 200' Deep, Add	447.53	
For Right Angle Drilling, Add	358.01	
31 64 13 00-0060 VLF 84" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water.....	1,593.74	
Note: 1.425 CY Concrete per VLF, 183 lbs rebar per VLF.		
For >50' To 100' Deep, Add	153.09	
For >100' To 150' Deep, Add	398.44	
For >150' To 200' Deep, Add	530.03	
For Right Angle Drilling, Add	428.04	
31 64 13 00-0061 For Bell Excavation And Concrete, Add <small>(31 64 13 00-0047)</small>		
31 64 13 00-0062 EA Bell Excavation And Concrete, 4' Bell Diameter Soft Rock/Shale 24" Shaft 0.44 CY .....	469.26	
For >50' To 100' Deep, Add	38.54	
For >100' To 150' Deep, Add	117.32	
For >150' To 200' Deep, Add	147.89	
31 64 13 00-0063 EA Bell Excavation And Concrete, 6' Bell Diameter Soft Rock/Shale 30" Shaft 1.57 CY .....	1,652.77	
For >50' To 100' Deep, Add	135.93	
For >100' To 150' Deep, Add	413.19	
For >150' To 200' Deep, Add	521.13	
31 64 13 00-0064 EA Bell Excavation And Concrete, 7' Bell Diameter Soft Rock/Shale 36" Shaft 2.33 CY .....	2,502.98	
For >50' To 100' Deep, Add	209.26	
For >100' To 150' Deep, Add	625.75	
For >150' To 200' Deep, Add	793.45	
31 64 13 00-0065 EA Bell Excavation And Concrete, 8' Bell Diameter Soft Rock/Shale 42" Shaft 3.3 CY .....	3,559.30	
For >50' To 100' Deep, Add	297.01	
For >100' To 150' Deep, Add	889.83	
For >150' To 200' Deep, Add	1,127.61	



<b>Earthwork</b>	<b>31</b>	<b>15</b>
<b>Special Foundations And Load-bearing Elements</b>	<b>31 60</b>	
<b>Caissons</b>	<b>31 64</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64	13 00-0066	EA	Bell Excavation And Concrete, 9' Bell Diameter Soft Rock/Shale 48" Shaft 4.48 CY ..... <i>For &gt;50' To 100' Deep, Add</i> <i>For &gt;100' To 150' Deep, Add</i> <i>For &gt;150' To 200' Deep, Add</i>	4,664.28 384.05 1,166.07 1,471.22	
31 64	13 00-0067	EA	Bell Excavation And Concrete, 10" Bell Diameter Soft Rock/Shale 60" Shaft 5.24 CY ..... <i>For &gt;50' To 100' Deep, Add</i> <i>For &gt;100' To 150' Deep, Add</i> <i>For &gt;150' To 200' Deep, Add</i>	5,664.77 463.99 1,416.19 1,783.76	
31 64	13 00-0068	EA	Bell Excavation And Concrete, 12' Bell Diameter Soft Rock/Shale 72" Shaft 8.74 CY ..... <i>For &gt;50' To 100' Deep, Add</i> <i>For &gt;100' To 150' Deep, Add</i> <i>For &gt;150' To 200' Deep, Add</i>	8,642.08 717.73 2,160.52 2,733.60	
31 64	13 00-0069	EA	Bell Excavation And Concrete, 14' Bell Diameter Soft Rock/Shale 84" Shaft 13.6 CY ..... <i>For &gt;50' To 100' Deep, Add</i> <i>For &gt;100' To 150' Deep, Add</i> <i>For &gt;150' To 200' Deep, Add</i>	13,035.60 1,087.47 3,258.90 4,129.40	

**31 64 13 00-0070 Caisson Setup And Removal** (31 64 13)

Note: Includes mobilization of equipment, erection, dismantling of equipment, move off of site.

31 64 13 00-0071	EA	Erect, Set Up, Dismantle And Removal Of Caisson 18" To 36" Diameter, Complete ..... 1,836.13
31 64 13 00-0072	EA	Erect, Set Up, Dismantle And Removal Of Caisson 48" To 84" Diameter, Complete ..... 2,769.99
31 64 13 00-0073	EA	Dismantle, Relocate, Erect And Set Up On Site At Different Location (During Same Phase Of Work), Caisson 18" To 36" Diameter..... 797.39
31 64 13 00-0074	EA	Dismantle, Relocate, Erect And Set Up On Site At Different Location (During Same Phase Of Work), Caisson 48" To 84" Diameter..... 1,063.18
31 64 13 00-0075	EA	Relocate Caisson Equipment To Different Hole On-Site Without Dismantling..... 66.45

**31 66 Special Foundation** (31 60)

**31 66 15 Helical Foundation Piles** (31 66)

**31 66 15 00-0001 Helical Pier Restoration (Atlas)** (31 66 15)

31 66 15 00-0002	EA	Structural Steel Piers (Atlas Pier System Or Equal) ..... 2,779.32 Note: Includes heavy duty bracket, pier platform, and 14' of 3.5" diameter pier sections, non-corrosive coating, hydraulic lifting, fasteners, and other related activities and materials. Excludes excavation and core drilling
31 66 15 00-0003	EA	Pressure Injecting Grout For Slab Repairs, Per Location ..... 325.84 Note: Includes preparation, installing and removing grout injection pipes, and finishing. Excludes grout and core drilling.
31 66 15 00-0004	CY	Pressure Injected Non-Shrink Grout ..... 325.84

**31 68 Foundation Anchors** (31 60)

**31 68 13 Rock Foundation Anchors** (31 68)

**31 68 13 00-0001 Materials And Placement** (31 68 13)

**31 68 13 00-0002 Hollow Core Prestressable Anchor, ASTM A615** (31 68 13 00-0001)

Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.

**31 68 13 00-0003 3/4" Diameter** (31 68 13 00-0002)

31 68 13 00-0004	EA	3/4" Rock Bolt, 5' Hollow Core Prestressable Anchor ..... 122.30
31 68 13 00-0005	EA	3/4" Rock Bolt, 10' Hollow Core Prestressable Anchor ..... 178.99
31 68 13 00-0006	EA	3/4" Rock Bolt, 15' Hollow Core Prestressable Anchor ..... 227.57
31 68 13 00-0007	EA	3/4" Rock Bolt, 20' Hollow Core Prestressable Anchor ..... 292.39

**31 68 13 00-0008 1" Diameter** (31 68 13 00-0002)

31 68 13 00-0009	EA	1" Rock Bolt, 5' Hollow Core Prestressable Anchor ..... 162.91
31 68 13 00-0010	EA	1" Rock Bolt, 10' Hollow Core Prestressable Anchor ..... 257.07
31 68 13 00-0011	EA	1" Rock Bolt, 15' Hollow Core Prestressable Anchor ..... 343.13
31 68 13 00-0012	EA	1" Rock Bolt, 20' Hollow Core Prestressable Anchor ..... 445.45

**31 68 13 00-0013 1-3/8" Diameter** (31 68 13 00-0002)

31 68 13 00-0014	EA	1-3/8" Rock Bolt, 5' Hollow Core Prestressable Anchor ..... 288.12
31 68 13 00-0015	EA	1-3/8" Rock Bolt, 10' Hollow Core Prestressable Anchor ..... 454.09
31 68 13 00-0016	EA	1-3/8" Rock Bolt, 15' Hollow Core Prestressable Anchor ..... 611.97
31 68 13 00-0017	EA	1-3/8" Rock Bolt, 20' Hollow Core Prestressable Anchor ..... 786.07

**31 68 13 00-0018 2" Diameter** (31 68 13 00-0002)

31 68 13 00-0019	EA	2" Rock Bolt, 5' Hollow Core Prestressable Anchor ..... 668.93
31 68 13 00-0020	EA	2" Rock Bolt, 10' Hollow Core Prestressable Anchor ..... 998.90
31 68 13 00-0021	EA	2" Rock Bolt, 15' Hollow Core Prestressable Anchor ..... 1,320.72
31 68 13 00-0022	EA	2" Rock Bolt, 20' Hollow Core Prestressable Anchor ..... 1,658.81

<b>31</b>	<b>31 Earthwork</b>
	<b>31 60 Special Foundations And Load-bearing Elements</b>
	<b>31 68 Foundation Anchors</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>31 68 13 00-0023 Super High-Tensile Anchors, ASTM A-108</b> <small>(31 68 13 00-0001)</small>		
<small>Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.</small>		
<b>31 68 13 00-0024 3/4" Diameter</b> <small>(31 68 13 00-0023)</small>		
31 68 13 00-0025 EA 3/4" Rock Bolt, 5' Super High-Tensile Anchor.....	81.21	
31 68 13 00-0026 EA 3/4" Rock Bolt, 10' Super High-Tensile Anchor.....	108.35	
31 68 13 00-0027 EA 3/4" Rock Bolt, 15' Super High-Tensile Anchor.....	127.32	
31 68 13 00-0028 EA 3/4" Rock Bolt, 20' Super High-Tensile Anchor.....	161.16	
<b>31 68 13 00-0029 1" Diameter</b> <small>(31 68 13 00-0023)</small>		
31 68 13 00-0030 EA 1" Rock Bolt, 5' Super High-Tensile Anchor.....	102.29	
31 68 13 00-0031 EA 1" Rock Bolt, 10' Super High-Tensile Anchor.....	143.86	
31 68 13 00-0032 EA 1" Rock Bolt, 15' Super High-Tensile Anchor.....	175.64	
31 68 13 00-0033 EA 1" Rock Bolt, 20' Super High-Tensile Anchor.....	223.65	
<b>31 68 13 00-0034 1-1/4" Diameter</b> <small>(31 68 13 00-0023)</small>		
31 68 13 00-0035 EA 1-1/4" Rock Bolt, 5' Super High-Tensile Anchor.....	164.19	
31 68 13 00-0036 EA 1-1/4" Rock Bolt, 10' Super High-Tensile Anchor.....	232.59	
31 68 13 00-0037 EA 1-1/4" Rock Bolt, 15' Super High-Tensile Anchor.....	292.51	
31 68 13 00-0038 EA 1-1/4" Rock Bolt, 20' Super High-Tensile Anchor.....	366.16	
<b>31 68 13 00-0039 2" Diameter</b> <small>(31 68 13 00-0023)</small>		
31 68 13 00-0040 EA 2" Rock Bolt, 5' Super High-Tensile Anchor.....	479.29	
31 68 13 00-0041 EA 2" Rock Bolt, 10' Super High-Tensile Anchor.....	683.92	
31 68 13 00-0042 EA 2" Rock Bolt, 15' Super High-Tensile Anchor.....	843.73	
31 68 13 00-0043 EA 2" Rock Bolt, 20' Super High-Tensile Anchor.....	1,029.44	
<b>31 68 13 00-0044 Solid Rebar Anchors, ASTM A615</b> <small>(31 68 13 00-0001)</small>		
<small>Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.</small>		
<b>31 68 13 00-0045 3/4" Diameter</b> <small>(31 68 13 00-0044)</small>		
31 68 13 00-0046 EA 3/4" Rock Bolt, 5' Solid Rebar Anchor.....	74.44	
31 68 13 00-0047 EA 3/4" Rock Bolt, 10' Solid Rebar Anchor.....	94.04	
31 68 13 00-0048 EA 3/4" Rock Bolt, 15' Solid Rebar Anchor.....	105.51	
31 68 13 00-0049 EA 3/4" Rock Bolt, 20' Solid Rebar Anchor.....	133.24	
<b>31 68 13 00-0050 1" Diameter</b> <small>(31 68 13 00-0044)</small>		
31 68 13 00-0051 EA 1" Rock Bolt, 5' Solid Rebar Anchor.....	87.47	
31 68 13 00-0052 EA 1" Rock Bolt, 10' Solid Rebar Anchor.....	115.58	
31 68 13 00-0053 EA 1" Rock Bolt, 15' Solid Rebar Anchor.....	135.61	
31 68 13 00-0054 EA 1" Rock Bolt, 20' Solid Rebar Anchor.....	171.83	
<b>31 68 13 00-0055 1-1/4" Diameter</b> <small>(31 68 13 00-0044)</small>		
31 68 13 00-0056 EA 1-1/4" Rock Bolt, 5' Solid Rebar Anchor.....	139.57	
31 68 13 00-0057 EA 1-1/4" Rock Bolt, 10' Solid Rebar Anchor.....	178.94	
31 68 13 00-0058 EA 1-1/4" Rock Bolt, 15' Solid Rebar Anchor.....	210.28	
31 68 13 00-0059 EA 1-1/4" Rock Bolt, 20' Solid Rebar Anchor.....	257.82	
<b>31 68 13 00-0060 Resin Anchoring With Grade 60 Rebar</b> <small>(31 68 13 00-0001)</small>		
<small>Note: Pricing includes only material and labor to install anchors.. See CSI section 31 68 13 00-0081 for rebar collars, 31 68 13 00-0083 for resin cartridges, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0207 for rock bolt testing.</small>		
<b>31 68 13 00-0061 Rebar #6</b> <small>(31 68 13 00-0060)</small>		
31 68 13 00-0062 EA #6 Rebar Rock Anchor, 5' Resin Anchor With Grade 60 Rebar.....	28.72	
31 68 13 00-0063 EA #6 Rebar Rock Anchor, 10' Resin Anchor With Grade 60 Rebar.....	41.18	
31 68 13 00-0064 EA #6 Rebar Rock Anchor, 15' Resin Anchor With Grade 60 Rebar.....	45.55	
31 68 13 00-0065 EA #6 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar.....	57.41	
<b>31 68 13 00-0066 Rebar #8</b> <small>(31 68 13 00-0060)</small>		
31 68 13 00-0067 EA #8 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar.....	32.11	
31 68 13 00-0068 EA #8 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar.....	47.97	
31 68 13 00-0069 EA #8 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar.....	55.74	
31 68 13 00-0070 EA #8 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar.....	79.73	
<b>31 68 13 00-0071 Rebar #10</b> <small>(31 68 13 00-0060)</small>		
31 68 13 00-0072 EA #10 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar.....	36.96	
31 68 13 00-0073 EA #10 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar.....	57.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0074 EA #10 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar.....	70.29	
31 68 13 00-0075 EA #10 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar.....	99.13	
<b>31 68 13 00-0076 Rebar #14</b> <small>(31 68 13 00-0060)</small>		
31 68 13 00-0077 EA #14 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar.....	48.61	
31 68 13 00-0078 EA #14 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar.....	80.96	
31 68 13 00-0079 EA #14 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar.....	105.22	
31 68 13 00-0080 EA #14 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar.....	145.71	
<b>31 68 13 00-0081 Plastic Rebar Collars, Sizes #6-#14</b> <small>(31 68 13 00-0060)</small>		
31 68 13 00-0082 EA Plastic Rebar Collars For Rebar #4 To #14.....	0.92	
<b>31 68 13 00-0083 12" Long Resin Cartridges</b> <small>(31 68 13 00-0001)</small>		
31 68 13 00-0084 EA 7/8" Resin Cartridge 12" Long.....	1.73	
31 68 13 00-0085 EA 1" Resin Cartridge 12" Long.....	2.38	
31 68 13 00-0086 EA 1-1/16" Resin Cartridge 12" Long.....	2.55	
31 68 13 00-0087 EA 1-1/4" Resin Cartridge 12" Long.....	2.75	
31 68 13 00-0088 EA 1-3/8" Resin Cartridge 12" Long.....	3.16	
31 68 13 00-0089 EA 1-9/16" Resin Cartridge 12" Long.....	3.96	
31 68 13 00-0090 EA 1-3/4" Resin Cartridge 12" Long.....	5.44	
<b>31 68 13 00-0091 Head Assembly</b> <small>(31 68 13 00-0001)</small>		
<b>31 68 13 00-0092 3/4" Rod Diameter</b> <small>(31 68 13 00-0091)</small>		
31 68 13 00-0093 EA 3/4" Rod Head Assembly 1-5/8" Short Cone and Shell.....	21.22	
31 68 13 00-0094 EA 3/4" Rod Head Assembly 1-3/4" Short Cone and Shell.....	17.88	
31 68 13 00-0095 EA 3/4" Rod Head Assembly 1-7/8" Short Cone and Shell.....	18.75	
31 68 13 00-0096 EA 3/4" Rod Head Assembly 1-3/4" Long Cone and Shell.....	33.67	
31 68 13 00-0097 EA 3/4" Rod Head Assembly 1-7/8" Long Cone and Shell.....	33.67	
31 68 13 00-0098 EA 3/4" Rod Head Assembly 1-3/4" Long Cone and Shell.....	31.90	
<b>31 68 13 00-0099 1" Rod Diameter</b> <small>(31 68 13 00-0091)</small>		
31 68 13 00-0100 EA 1" Rod Head Assembly 1-5/8" Short Cone and Shell.....	22.87	
31 68 13 00-0101 EA 1" Rod Head Assembly 1-3/4" Short Cone and Shell.....	19.58	
31 68 13 00-0102 EA 1" Rod Head Assembly 1-7/8" Short Cone and Shell.....	20.45	
31 68 13 00-0103 EA 1" Rod Head Assembly 1-3/4" Long Cone and Shell.....	35.42	
31 68 13 00-0104 EA 1" Rod Head Assembly 1-7/8" Long Cone and Shell.....	35.42	
31 68 13 00-0105 EA 1" Rod Head Assembly 1-3/4" Long Cone and Shell.....	33.77	
<b>31 68 13 00-0106 1-1/4" Rod Diameter</b> <small>(31 68 13 00-0091)</small>		
31 68 13 00-0107 EA 1-1/4" Rod Head Assembly 2" Short Cone and Shell.....	51.04	
31 68 13 00-0108 EA 1-1/4" Rod Head Assembly 2-1/4" Short Cone and Shell.....	59.62	
31 68 13 00-0109 EA 1-1/4" Rod Head Assembly 2-1/2" Short Cone and Shell.....	60.47	
31 68 13 00-0110 EA 1-1/4" Rod Head Assembly 2-1/4" Long Cone and Shell.....	53.63	
31 68 13 00-0111 EA 1-1/4" Rod Head Assembly 2-1/2" Long Cone and Shell.....	62.53	
<b>31 68 13 00-0112 1-7/8" Rod Diameter</b> <small>(31 68 13 00-0091)</small>		
31 68 13 00-0113 EA 1-7/8" Rod Head Assembly 3-1/2" Long Cone/Shell/Fl.....	200.87	
31 68 13 00-0114 EA 1-7/8" Rod Head Assembly 3" Long Cone and Shell.....	138.48	
<b>31 68 13 00-0115 2" Rod Diameter</b> <small>(31 68 13 00-0091)</small>		
31 68 13 00-0116 EA 2" Rod Head Assembly 3-1/2" Long Cone/Shell/Fl.....	200.87	
31 68 13 00-0117 EA 2" Rod Head Assembly 3" Long Cone and Shell.....	138.48	
<b>31 68 13 00-0118 Steel Plates With Standard Hole And Washers</b> <small>(31 68 13 00-0001)</small>		
<b>31 68 13 00-0119 Steel Plates</b> <small>(31 68 13 00-0118)</small>		
31 68 13 00-0120 EA 1/4" x 4" x 4" Steel Plate For Rock Bolt With Washer.....	3.08	
31 68 13 00-0121 EA 1/4" x 6" x 6" Steel Plate For Rock Bolt With Washer.....	5.69	
31 68 13 00-0122 EA 3/8" x 6" x 6" Steel Plate For Rock Bolt With Washer.....	7.92	
31 68 13 00-0123 EA 3/8" x 8" x 8" Steel Plate For Rock Bolt With Washer.....	13.89	
31 68 13 00-0124 EA 1/2" x 5" x 5" Steel Plate For Rock Bolt With Washer.....	5.39	
31 68 13 00-0125 EA 1/2" x 8" x 8" Steel Plate For Rock Bolt With Washer.....	14.17	
31 68 13 00-0126 EA 3/4" x 7" x 7" Steel Plate For Rock Bolt With Washer.....	23.51	
31 68 13 00-0127 EA 3/4" x 8" x 8" Steel Plate For Rock Bolt With Washer.....	33.31	
31 68 13 00-0128 EA 1" x 4" x 7" Steel Plate For Rock Bolt With Washer.....	20.00	
31 68 13 00-0129 EA 1" x 9" x 9" Steel Plate For Rock Bolt With Washer.....	56.57	
31 68 13 00-0130 EA 1" x 12" x 12" Steel Plate For Rock Bolt With Washer.....	83.36	
31 68 13 00-0131 EA 1-1/4" x 5" x 8" Steel Plate For Rock Bolt With Washer.....	36.59	
31 68 13 00-0132 EA 1-1/4" x 11" x 11" Steel Plate For Rock Bolt With Washer.....	98.97	
31 68 13 00-0133 EA 1-1/2" x 5" x 10" Steel Plate For Rock Bolt With Washer.....	49.49	



**31 Earthwork****31 60 Special Foundations And Load-bearing Elements****31 68 Foundation Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	31 68 13 00-0134	EA	1-1/2" x 12" x 12" Steel Plate For Rock Bolt With Washer .....	119.04	
	31 68 13 00-0135	EA	1-3/4" x 5" x 10" Steel Plate For Rock Bolt With Washer .....	54.63	
	31 68 13 00-0136	EA	1-3/4" x 12" x 12" Steel Plate For Rock Bolt With Washer .....	132.03	
<b>31 68 13 00-0137</b>	<b>Hardened Washers</b> <small>(31 68 13 00-0118)</small>				
	31 68 13 00-0138	EA	Hardened Washer For 3/4" Diameter Rock Bolt .....	0.70	
	31 68 13 00-0139	EA	Hardened Washer For 1" Diameter Rock Bolt .....	0.97	
	31 68 13 00-0140	EA	Hardened Washer For 1-1/4" Diameter Rock Bolt .....	2.72	
	31 68 13 00-0141	EA	Hardened Washer For 2" Diameter Rock Bolt .....	6.77	
<b>31 68 13 00-0142</b>	<b>Beveled Washers</b> <small>(31 68 13 00-0118)</small>				
	31 68 13 00-0143	EA	Beveled Washer For 3/4" Diameter Rock Bolt .....	1.77	
	31 68 13 00-0144	EA	Beveled Washer For 7/8" To 1-1/8" Diameter Rock Bolt .....	1.75	
	31 68 13 00-0145	EA	Beveled Wash For 1-1/4" To 1-3/8" Diameter Rock Bolt .....	2.64	
	31 68 13 00-0146	EA	Beveled Washer For 1-1/2" Diameter Rock Bolt .....	11.30	
	31 68 13 00-0147	EA	Beveled Washer For 2" Diameter Rock Bolt .....	7.81	
<b>31 68 13 00-0148</b>	<b>Hex Nuts</b> <small>(31 68 13 00-0118)</small>				
	31 68 13 00-0149	EA	Hex Nut For 3/4" Diameter Rock Bolt .....	1.38	
	31 68 13 00-0150	EA	Hex Nut For 1" Diameter Rock Bolt .....	2.26	
	31 68 13 00-0151	EA	Hex Nut For 1-1/4" Diameter Rock Bolt .....	9.24	
	31 68 13 00-0152	EA	Hex Nut For 1-1/2" Diameter Rock Bolt .....	5.82	
	31 68 13 00-0153	EA	Hex Nut For 2" Diameter Rock Bolt .....	37.14	
<b>31 68 13 00-0154</b>	<b>Drilling Operation For Rockbolts</b> <small>(31 68 13)</small>				
<b>31 68 13 00-0155</b>	<b>Drill Holes For Rock Bolts</b> <small>(31 68 13 00-0154)</small>				
<b>31 68 13 00-0156</b>	<b>3/4" Diameter Bolt, 1-3/4" Hole</b> <small>(31 68 13 00-0155)</small>				
	31 68 13 00-0157	EA	Drill 1-3/4" Diameter Hole x 5' Long For 3/4" Diameter Rock Bolts .....	90.28	
	31 68 13 00-0158	EA	Drill 1-3/4" Diameter Hole x 10' Long For 3/4" Diameter Rock Bolts .....	170.53	
	31 68 13 00-0159	EA	Drill 1-3/4" Diameter Hole x 15' Long For 3/4" Diameter Rock Bolts .....	255.79	
	31 68 13 00-0160	EA	Drill 1-3/4" Diameter Hole x 20' Long For 3/4" Diameter Rock Bolts .....	306.95	
<b>31 68 13 00-0161</b>	<b>1" Diameter Bolt, 2" Hole</b> <small>(31 68 13 00-0155)</small>				
	31 68 13 00-0162	EA	Drill 2" Diameter Hole x 5' Long For 1" Diameter Rock Bolt .....	118.06	
	31 68 13 00-0163	EA	Drill 2" Diameter Hole x 10' Long For 1" Diameter Rock Bolt .....	219.26	
	31 68 13 00-0164	EA	Drill 2" Diameter Hole x 15' Long For 1" Diameter Rock Bolt .....	306.95	
	31 68 13 00-0165	EA	Drill 2" Diameter Hole x 20' Long For 1" Diameter Rock Bolt .....	383.69	
<b>31 68 13 00-0166</b>	<b>1-1/4" Diameter Bolt, 2-1/4" Hole</b> <small>(31 68 13 00-0155)</small>				
	31 68 13 00-0167	EA	Drill 2-1/4" Diameter Hole x 5' Long For 1-1/4" Diameter Rock Bolt .....	127.90	
	31 68 13 00-0168	EA	Drill 2-1/4" Diameter Hole x 10' Long For 1-1/4" Diameter Rock Bolt .....	255.79	
	31 68 13 00-0169	EA	Drill 2-1/4" Diameter Hole x 15' Long For 1-1/4" Diameter Rock Bolt .....	383.69	
	31 68 13 00-0170	EA	Drill 2-1/4" Diameter Hole x 20' Long For 1-1/4" Diameter Rock Bolt .....	511.59	
<b>31 68 13 00-0171</b>	<b>2" Diameter Bolt, 3-1/2" Hole</b> <small>(31 68 13 00-0155)</small>				
	31 68 13 00-0172	EA	Drill 3-1/2" Diameter Hole x 5 Long For 2" Diameter Rock Bolt .....	153.48	
	31 68 13 00-0173	EA	Drill 3-1/2" Diameter Hole x 10' Long For 2" Diameter Rock Bolt .....	306.95	
	31 68 13 00-0174	EA	Drill 3-1/2" Diameter Hole x 15' Long For 2" Diameter Rock Bolts .....	511.59	
	31 68 13 00-0175	EA	Drill 3-1/2" Diameter Hole x 20' Long For 2" Diameter Rock Bolt .....	767.39	
<b>31 68 13 00-0176</b>	<b>Tools</b> <small>(31 68 13)</small>				
<b>31 68 13 00-0177</b>	<b>Hydraulic Jacks, Monthly Rental</b> <small>(31 68 13 00-0176)</small>				
	31 68 13 00-0178	EA	1/2" To 1", 30 Ton Hydraulic Jack For Rock Bolt, 2" Stroke .....	409.70	
	31 68 13 00-0179	EA	1-1/8" To 1-3/8", 60 Ton Hydraulic Jack For Rock Bolt, 3" Stroke .....	603.78	
	31 68 13 00-0180	EA	1-1/8" To 1-3/8", 60 Ton Hydraulic Jack For Rock Bolt, 10" Stroke .....	1,012.90	
	31 68 13 00-0181	EA	1-7/8" To 2", 100 Ton Hydraulic Jack For Rock Bolt, 10" Stroke .....	1,516.45	
	31 68 13 00-0182	EA	1-7/8" To 2", 150 Ton Hydraulic Jack For Rock Bolt, 12" Stroke .....	2,266.81	
<b>31 68 13 00-0183</b>	<b>Torque Wrenches And Ratchet Adapter, Monthly Rental</b> <small>(31 68 13 00-0176)</small>				
<b>31 68 13 00-0184</b>	<b>0-500 Foot Pounds (0-678J)</b> <small>(31 68 13 00-0183)</small>				
	31 68 13 00-0185	EA	1/2" To 1" Bolt Diameter Torque Wrench 0 To 500 Foot Pounds, Monthly Rental .....	143.37	
	31 68 13 00-0186	EA	Torque Wrench Ratchet Adapter Monthly Rental, 0 To 500 Foot Pounds .....	89.87	
	31 68 13 00-0187	EA	Torque Wrench With Adapter 0 To 500 Foot Pounds, Monthly Rental .....	233.41	
<b>31 68 13 00-0188</b>	<b>0-600 Foot Pounds (0-814J)</b> <small>(31 68 13 00-0183)</small>				
	31 68 13 00-0189	EA	0 To 600 Foot Pounds Torque Wrench Self-Ratcheting, Monthly Rental .....	162.78	



<b>Earthwork</b>	<b>31</b>	<b>13</b>
<b>Special Foundations And Load-bearing Elements</b>	<b>31 60</b>	
<b>Foundation Anchors</b>	<b>31 68</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>31 68 13 00-0190</b> Up To 1,000 Foot Pounds (0-1356J) <small>(31 68 13 00-0183)</small>		
31 68 13 00-0191 EA 1-1/8" To 2" Bolt Diameter Torque Wrench 0 To 1,000 Foot Pounds, Monthly Rental .....	312.62	
31 68 13 00-0192 EA Torque Wrench Ratchet Adapter 0 To 1,000 Foot Pounds, Monthly Rental .....	77.10	
31 68 13 00-0193 EA Torque Wrench With Ratchet 0 To 1,000 Foot Pounds, Monthly Rental .....	389.72	
<b>31 68 13 00-0194</b> Torque Multiplier, 4:1 Multiplier <small>(31 68 13 00-0176)</small>		
31 68 13 00-0195 EA Torque Multiplier, 4 To 1 Ratio.....	400.39	
<b>31 68 13 00-0196</b> Pneumatic Drive Torque Wrench <small>(31 68 13 00-0176)</small>		
31 68 13 00-0197 EA Pneumatic Drive Torque Wrench 250 To 900 Foot Pounds (339J - 1220J) .....	856.72	
<b>31 68 13 00-0198</b> Grouting <small>(31 68 13)</small>		
<b>31 68 13 00-0199</b> Grouting With Pumps <small>(31 68 13 00-0198)</small>		
Note: Grout material and labor only.		
31 68 13 00-0200 GAL Rock Bolt Grouting, Hand Pump 1 To 2 GPM Delivery.....	10.28	
31 68 13 00-0201 GAL Rock Bolt Grouting, Air Pump 3 To 4 GPM Continuous Delivery.....	14.25	
31 68 13 00-0202 GAL Rock Bolt Grout, Air/Piston Pump 2 To 4 GPM Delivery.....	13.40	
<b>31 68 13 00-0203</b> Grout Pumps, Monthly Rental <small>(31 68 13 00-0198)</small>		
31 68 13 00-0204 EA Hand Grout Pump, Monthly Rental .....	119.18	
31 68 13 00-0205 EA Air Powered Programmable Feed Grout Pump Monthly Rental.....	1,002.54	
31 68 13 00-0206 EA Air Powered, Piston Drive Grout Pump Monthly Rental.....	1,750.35	
<b>31 68 13 00-0207</b> Rock Bolt Testing <small>(31 68 13)</small>		
31 68 13 00-0208 EA Rock Bolt Test, Low To Medium Capacity LF >100 Bolts Need Testing.....	338.22	

**END OF SECTION 31**

<b>31</b>	<b>31</b>	<b>Earthwork</b>
	<b>31 60</b>	<b>Special Foundations And Load-bearing Elements</b>
	<b>31 68</b>	<b>Foundation Anchors</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 32 Exterior Improvements

### 32 01 Operation And Maintenance Of Exterior Improvements <sup>(32)</sup>

#### 32 01 11 Paving Cleaning <sup>(32 01)</sup>

##### 32 01 11 53 Paint Removal From Paving <sup>(32 01 11)</sup>

##### 32 01 11 53-0001 Remove Pavement Markings <sup>(32 01 11 53)</sup>

Note: Includes stripe removal by grinding, vacuuming of removed striped area and containment of debris.

32 01 11 53-0002	LF Removal Of 4" Wide Painted Or Epoxy Pavement Striping .....	0.98	
	For Up To 250, Add	0.49	
	For >250 To 1,000, Add	0.25	
	For >5,000 To 10,000, Deduct	-0.15	
	For >10,000 To 25,000, Deduct	-0.25	
	For >25,000 To 50,000, Deduct	-0.34	
	For >50,000, Deduct	-0.39	
32 01 11 53-0003	LF Removal Of 6" Wide Painted Or Epoxy Pavement Striping .....	1.17	
	For Up To 250, Add	0.59	
	For >250 To 1,000, Add	0.29	
	For >5,000 To 10,000, Deduct	-0.18	
	For >10,000 To 25,000, Deduct	-0.29	
	For >25,000 To 50,000, Deduct	-0.41	
	For >50,000, Deduct	-0.47	
32 01 11 53-0004	LF Removal Of 8" Wide Painted Or Epoxy Pavement Striping .....	1.41	
	For Up To 250, Add	0.71	
	For >250 To 1,000, Add	0.35	
	For >5,000 To 10,000, Deduct	-0.21	
	For >10,000 To 25,000, Deduct	-0.35	
	For >25,000 To 50,000, Deduct	-0.49	
	For >50,000, Deduct	-0.56	
32 01 11 53-0005	LF Removal Of 10" Wide Painted Or Epoxy Pavement Striping .....	1.34	
	For Up To 250, Add	0.67	
	For >250 To 1,000, Add	0.34	
	For >5,000 To 10,000, Deduct	-0.20	
	For >10,000 To 25,000, Deduct	-0.34	
	For >25,000 To 50,000, Deduct	-0.47	
	For >50,000, Deduct	-0.54	
32 01 11 53-0006	LF Removal Of 12" Wide Painted Or Epoxy Pavement Striping .....	1.68	
	For Up To 250, Add	0.84	
	For >250 To 1,000, Add	0.42	
	For >5,000 To 10,000, Deduct	-0.25	
	For >10,000 To 25,000, Deduct	-0.42	
	For >25,000 To 50,000, Deduct	-0.59	
	For >50,000, Deduct	-0.67	
32 01 11 53-0007	SF Removal Of Painted Or Epoxy Pavement Marking, Letters Or Symbols .....	1.68	
	For Up To 250, Add	0.84	
	For >250 To 1,000, Add	0.42	
	For >5,000 To 10,000, Deduct	-0.25	
	For >10,000 To 25,000, Deduct	-0.42	
	For >25,000 To 50,000, Deduct	-0.59	
	For >50,000, Deduct	-0.67	
32 01 11 53-0008	LF Removal Of 4" Wide Thermoplastic Pavement Striping .....	1.26	
	For Up To 250, Add	0.63	
	For >250 To 1,000, Add	0.32	
	For >5,000 To 10,000, Deduct	-0.19	
	For >10,000 To 25,000, Deduct	-0.32	
	For >25,000 To 50,000, Deduct	-0.44	
	For >50,000, Deduct	-0.50	
32 01 11 53-0009	LF Removal Of 6" Wide Thermoplastic Pavement Striping .....	1.48	
	For Up To 250, Add	0.74	
	For >250 To 1,000, Add	0.37	
	For >5,000 To 10,000, Deduct	-0.22	
	For >10,000 To 25,000, Deduct	-0.37	
	For >25,000 To 50,000, Deduct	-0.52	
	For >50,000, Deduct	-0.59	
32 01 11 53-0010	LF Removal Of 8" Wide Thermoplastic Pavement Striping .....	1.80	
	For Up To 250, Add	0.90	
	For >250 To 1,000, Add	0.45	
	For >5,000 To 10,000, Deduct	-0.27	
	For >10,000 To 25,000, Deduct	-0.45	
	For >25,000 To 50,000, Deduct	-0.63	
	For >50,000, Deduct	-0.72	
32 01 11 53-0011	LF Removal Of 10" Wide Thermoplastic Pavement Striping .....	1.71	
	For Up To 250, Add	0.86	
	For >250 To 1,000, Add	0.43	
	For >5,000 To 10,000, Deduct	-0.26	
	For >10,000 To 25,000, Deduct	-0.43	
	For >25,000 To 50,000, Deduct	-0.60	
	For >50,000, Deduct	-0.68	

**32 Exterior Improvements****32 01 Operation And Maintenance Of Exterior Improvements****32 01 11 Paving Cleaning**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 11 53-0012 LF Removal Of 12" Wide Thermoplastic Pavement Striping.....	2.15	
For Up To 250, Add	1.08	
For >250 To 1,000, Add	0.54	
For >5,000 To 10,000, Deduct	-0.32	
For >10,000 To 25,000, Deduct	-0.54	
For >25,000 To 50,000, Deduct	-0.75	
For >50,000, Deduct	-0.86	
32 01 11 53-0013 SF Removal Of Thermoplastic Pavement Marking, Letters Or Symbols.....	2.15	
For Up To 250, Add	1.08	
For >250 To 1,000, Add	0.54	
For >5,000 To 10,000, Deduct	-0.32	
For >10,000 To 25,000, Deduct	-0.54	
For >25,000 To 50,000, Deduct	-0.75	
For >50,000, Deduct	-0.86	

**32 01 13 Flexible Paving Surface Treatment (32 01)****32 01 13 62 Asphalt Surface Treatment (32 01 13)****32 01 13 62-0001 Asphalt Seal Coating Minimum (32 01 13 62)**

32 01 13 62-0002 EA Asphalt Seal Coating Minimum.....	419.49	
Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		

**32 01 13 62-0003 Slurry Seal (32 01 13 62)**

Note: A slurry seal is a cold mixture of asphalt and well-graded fine aggregate. Includes sweeping and cleaning of area.

32 01 13 62-0004 TON Up To 45 Ton Type II Slurry Seal.....	281.63	
Note: 1/4" thick, 14 to 18 Lbs/SY.		
For >45 To 91, Deduct	-42.24	
For >91 To 272, Deduct	-70.41	
32 01 13 62-0005 TON Up To 45 Ton Type III Slurry Seal.....	216.59	
Note: 3/8" thick, 25 to 30 Lbs/SY.		
For >45 To 91, Deduct	-32.49	
For >91 To 272, Deduct	-54.15	

**32 01 13 62-0006 Micro Surfacing (32 01 13 62)**

Note: Micro surfacing is a thin, strong layer of cold mixture asphalt emulsion and additives blended with finely crushed stone for friction characteristics. Includes sweeping and cleaning of area.

32 01 13 62-0007 TON Up To 45 Ton Type II Micro Surfacing.....	332.57	
For >45 To 91, Deduct		
For >91 To 272, Deduct	-49.89	
32 01 13 62-0008 TON Up To 45 Ton Type III Micro Surfacing.....	333.54	
For >45 To 91, Deduct		
For >91 To 272, Deduct	-50.03	
32 01 13 62-0009 TON Up To 45 Ton Rut-Filling Type III Micro Surfacing.....	337.89	
For >45 To 91, Deduct		
For >91 To 272, Deduct	-50.68	
	-84.47	

**32 01 16 Flexible Paving Rehabilitation (32 01)****32 01 16 71 Cold Milling Asphalt Pavement (32 01 16)****32 01 16 71-0001 Removal Of Asphalt Surface Course (32 01 16 71)**

Note: Includes direct loading into truck, hauling to disposal or recycling site, disposal and any other costs. For depths greater than 3" repeat the use of tasks.

**32 01 16 71-0002 Zone 1 (Hauling Distance 0-9 Miles) (32 01 16 71-0001)**

32 01 16 71-0003 SY Up To 200 SY, Cold Milling And Clearing, 1" To 3" Asphalt Pavement.....	14.87	
32 01 16 71-0004 SY >200 To 400 SY, Cold Milling And Clearing, 1" To 3" Asphalt Pavement.....	8.10	
32 01 16 71-0005 SY >400 To 2,500 SY, Cold Milling And Clearing, 1" To 3" Asphalt Pavement.....	4.35	
32 01 16 71-0006 SY >2,500 To 10,000 SY, Cold Milling And Clearing, 1" To 3" Asphalt Pavement.....	3.36	
32 01 16 71-0007 SY >10,000 To 25,000 SY, Cold Milling And Clearing, 1" To 3" Asphalt Pavement.....	3.10	
32 01 16 71-0008 SY >25,000 SY, Cold Milling And Clearing, 1" To 3" Asphalt Pavement.....	2.83	

**32 01 16 71-0009 Zone 2 (Hauling Distance 10-14 Miles) (32 01 16 71-0001)**

32 01 16 71-0010 SY Cold Milling And Clearing, 1" To 3" Asphalt Pavement, < 200 SY.....	14.95	
32 01 16 71-0011 SY Cold Milling And Clearing, 1" To 3" Asphalt Pavement, > 200 To 400 SY.....	8.18	
32 01 16 71-0012 SY Cold Milling And Clearing, 1" To 3" Asphalt Pavement, > 400 To 2500 SY.....	4.43	
32 01 16 71-0013 SY Cold Milling And Clearing, 1" To 3" Asphalt Pavement, > 2500 To 10000 SY.....	3.44	
32 01 16 71-0014 SY Cold Milling And Clearing, 1" To 3" Asphalt Pavement, > 10000 To 25000 SY.....	3.18	
32 01 16 71-0015 SY Cold Milling And Clearing, 1" To 3" Asphalt Pavement, > 25000 SY.....	2.91	

**32 01 16 71-0016 Zone 3 (Hauling Distance 15-23 Miles) (32 01 16 71-0001)**

32 01 16 71-0017 SY Cold Milling And Clearing, 1" To 3" Asphalt Pavement, < 200 SY.....	15.06	
32 01 16 71-0018 SY Cold Milling And Clearing, 1" To 3" Asphalt Pavement, > 200 To 400 SY.....	8.29	
32 01 16 71-0019 SY Cold Milling And Clearing, 1" To 3" Asphalt Pavement, > 400 To 2500 SY.....	4.35	
32 01 16 71-0020 SY Cold Milling And Clearing, 1" To 3" Asphalt Pavement, > 2500 To 10000 SY.....	3.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 01 16 71-0021	SY	Cold Milling And Clearing, 1" To 3" Asphalt Pavement, > 10000 To 25000 SY .....	3.29
32 01 16 71-0022	SY	Cold Milling And Clearing, 1" To 3" Asphalt Pavement, > 25000 SY .....	3.02

**32 01 17 Flexible Paving Repair** (32 01)

See CSI section 32 12 16 00-0000 for large area resurfacing.

**32 01 17 61 Sealing Cracks In Asphalt Paving** (32 01 17)

Note: Includes removing loose materials and cleaning.

**32 01 17 61-0001 Hot-Applied, Pourable, Self-Adhesive Asphalt Binder Compounded With Standard Weight Aggregate Longitudinal Crack And Sealing Repair** (32 01 17 61)

Note: Includes sweeping and cleaning of area.

32 01 17 61-0002	LF	Up To 200 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.98
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.29
		For 1" x 1/2" Fill, Add	0.56
		For Backer Rod, Add	0.61
32 01 17 61-0003	LF	>200 To 500 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler .....	0.79
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.24
		For 1" x 1/2" Fill, Add	0.46
		For Backer Rod, Add	0.54
32 01 17 61-0004	LF	>500 To 2,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler .....	0.63
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.20
		For 1" x 1/2" Fill, Add	0.38
		For Backer Rod, Add	0.48
32 01 17 61-0005	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler .....	0.55
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.17
		For 1" x 1/2" Fill, Add	0.33
		For Backer Rod, Add	0.45
32 01 17 61-0006	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler .....	0.48
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.15
		For 1" x 1/2" Fill, Add	0.29
		For Backer Rod, Add	0.42
32 01 17 61-0007	LF	>10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler .....	0.45
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	0.14
		For 1" x 1/2" Fill, Add	0.27
		For Backer Rod, Add	0.40
32 01 17 61-0008	LF	Up To 200 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.52
		For 3/8" x 1/4" Fill, Add	0.39
		For 1/2" x 1/4" Fill, Add	0.72
		For 1/2" x 1/2" Fill, Add	1.78
32 01 17 61-0009	LF	>200 To 500 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler .....	1.24
		For 3/8" x 1/4" Fill, Add	0.32
		For 1/2" x 1/4" Fill, Add	0.60
		For 1/2" x 1/2" Fill, Add	1.51
32 01 17 61-0010	LF	>500 To 2,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler .....	0.96
		For 3/8" x 1/4" Fill, Add	0.26
		For 1/2" x 1/4" Fill, Add	0.48
		For 1/2" x 1/2" Fill, Add	1.22
32 01 17 61-0011	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	0.84
		For 3/8" x 1/4" Fill, Add	0.22
		For 1/2" x 1/4" Fill, Add	0.42
		For 1/2" x 1/2" Fill, Add	1.06
32 01 17 61-0012	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	0.77
		For 3/8" x 1/4" Fill, Add	0.20
		For 1/2" x 1/4" Fill, Add	0.38
		For 1/2" x 1/2" Fill, Add	0.96
32 01 17 61-0013	LF	>10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	0.71
		For 3/8" x 1/4" Fill, Add	0.19
		For 1/2" x 1/4" Fill, Add	0.35
		For 1/2" x 1/2" Fill, Add	0.88
32 01 17 61-0014	LF	For Routing And Cleaning Of Crack, Add Per 1/2" Depth.....	0.23

**32 01 17 63 Flexible Pavement Repair** (32 01 17)**32 01 17 63-0001 Temporary Pot Hole Repair** (32 01 17 63)

Note: Includes removal of loose material and moisture, bonding agent, compaction, safety cones and hauling up to 15 miles. Excludes signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0032 for hauling greater than 15 miles.

32 01 17 63-0002	EA	Temporary Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons .....	834.58
32 01 17 63-0003	TON	Temporary Pot Hole Repairs With Cold Mix Modified.....	253.08
		Note: Use for each ton over 3 tons.	
32 01 17 63-0004	EA	Temporary Pot Hole Repairs With Cold Mix, Up To 3 Tons.....	795.07
32 01 17 63-0005	TON	Temporary Pot Hole Repairs With Cold Mix .....	239.91
		Note: Use for each ton over 3 tons.	
32 01 17 63-0006	EA	Temporary Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons .....	775.31
32 01 17 63-0007	TON	Temporary Pot Hole Repairs With Hot Mix Modified.....	233.32
		Note: Use for each ton over 3 tons.	

**32 Exterior Improvements****32 01 Operation And Maintenance Of Exterior Improvements****32 01 17 Flexible Paving Repair**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 17 63-0008 EA Temporary Pot Hole Repairs With Hot Mix, Up To 3 Tons.....	755.55	
32 01 17 63-0009 TON Temporary Pot Hole Repairs With Hot Mix..... Note: Use for each ton over 3 tons.	226.73	
<b>32 01 17 63-0010 Permanent Pot Hole Repair</b> <small>(32 01 17 63)</small> Note: Includes removal of loose material and moisture, saw cutting, chipping, squaring off, bonding agent, compaction and hauling up to 15 miles Tasks do not include signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0032 for hauling greater than 15 miles.		
32 01 17 63-0011 EA Permanent Pot Hole Repairs With Cold Mix, Up To 3 Tons.....	875.20	
32 01 17 63-0012 TON Permanent Pot Hole Repairs With Cold Mix..... Note: Use for each ton over 3 tons.	284.66	
32 01 17 63-0013 EA Permanent Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons.....	855.44	
32 01 17 63-0014 TON Permanent Pot Hole Repairs With Hot Mix Modified..... Note: Use for each ton over 3 tons.	278.07	
32 01 17 63-0015 EA Permanent Pot Hole Repairs With Hot Mix, Up To 3 Tons.....	835.68	
32 01 17 63-0016 TON Permanent Pot Hole Repairs With Hot Mix..... Note: Use for each ton over 3 tons.	271.48	
<b>32 01 17 63-0017 Asphalt Placement For Small Repairs</b> <small>(32 01 17 63)</small> Note: This section is used for placing up to 100 tons of asphalt after a small area of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. Includes mobilization of paving equipment such as a roller, placing the asphalt, compaction and hauling up to 15 miles. Excludes saw cutting, demolition of existing pavement, and new subbase material. Use approximately 0.055 tons per square yard per inch of depth. See CSI section 02 41 19 13-0058 for saw cutting.		
32 01 17 63-0018 EA Asphalt Placement For Small Repair Areas, Cold Mix Modified, Up To 3 Tons..... Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	1,151.61	
32 01 17 63-0019 TON Asphalt Placement For Small Repair Areas, Cold Mix Modified..... Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	152.72	
32 01 17 63-0020 EA Asphalt Placement For Small Repair Areas, Cold Mix, Up To 3 Tons..... Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	1,112.10	
32 01 17 63-0021 TON Asphalt Placement For Small Repair Areas, Cold Mix..... Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	139.55	
32 01 17 63-0022 EA Asphalt Placement For Small Repair Areas, Hot Mix Modified, Up To 3 Tons..... Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	1,092.34	
32 01 17 63-0023 TON Asphalt Placement For Small Repair Areas, Hot Mix Modified..... Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	132.96	
32 01 17 63-0024 EA Asphalt Placement For Small Repair Areas, Hot Mix, Up To 3 Tons..... Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	1,072.58	
32 01 17 63-0025 TON Asphalt Placement For Small Repair Areas, Hot Mix..... Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	126.37	
<b>32 01 17 63-0026 Grind Asphalt</b> <small>(32 01 17 63)</small>		
32 01 17 63-0027 SY Grinding Asphalt To Level Bump Or Raised Area.....	9.83	
<b>32 01 17 63-0028 Pavement Cracks, Joints Or Other Small Area Repairs</b> <small>(32 01 17 63)</small> Note: Includes sweeping and cleaning of area.		
32 01 17 63-0029 SF GEOTAC.....	3.21	
32 01 17 63-0030 SF GEOTAC HS.....	3.55	
32 01 17 63-0031 SF PAVEPREP.....	4.06	
32 01 17 63-0032 SF PAVEPREP TSA.....	3.97	
32 01 17 63-0033 SF PAVEPREP SA.....	4.19	
<b>32 01 26 Rigid Paving Rehabilitation</b> <small>(32 01)</small>		
<b>32 01 26 71 Grooving Of Concrete Paving</b> <small>(32 01 26)</small>		
<b>32 01 26 71-0001 Roadway Grooving</b> <small>(32 01 26 71)</small>		
32 01 26 71-0002 EA First 500 SY Of Pavement Grooving, Concrete, Longitudinal.....	2,061.10	
32 01 26 71-0003 SY Each SY Over First 500 SY Of Pavement Grooving, Concrete, Longitudinal.....	1.91	
32 01 26 71-0004 EA First 500 SY Of Pavement Grooving, Concrete, Traverse.....	2,296.13	
32 01 26 71-0005 SY Each SY Over First 500 SY Of Pavement Grooving, Concrete, Traverse.....	2.48	
<b>32 01 26 71-0006 Rumble Strips</b> <small>(32 01 26 71)</small>		
32 01 26 71-0007 EA First 5280 LF Of MIARDS, Rumble Strips, Asphalt.....	2,008.34	
32 01 26 71-0008 LF Each LF Over First 5280 LF Of MIARDS, Rumble Strips, Asphalt..... <i>For &gt; 52500, Deduct</i>	0.36 -0.10	
32 01 26 71-0009 EA First 2000 LF Of MIARDS, Rumble Strips, Concrete.....	2,238.11	
32 01 26 71-0010 LF Each LF Over First 2000 LF Of MIARDS, Rumble Strips, Concrete..... <i>For &gt; 20000, Deduct</i>	0.41 -0.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 01 26 71-0011	Boat Ramps Grooving <small>(32 01 26 71)</small>		
32 01 26 71-0012	SY Concrete Grooving, Boat Ramps	1.08	

### 32 01 30 Operation and Maintenance of Site Improvements (32 01)

#### 32 01 30 13 Snow Removal (32 01 30)

<b>32 01 30 13-0001 Snow Removal <small>(32 01 30 13)</small></b>			
32 01 30 13-0002	MSF Up To 4" Depth Snow Plowing, Parking Lot And Drives, Pick-up Truck With Plow		2.47
	<i>For &lt;5, Add 0.49</i>		
	<i>For &gt;25 To 50, Deduct</i>	-0.19	
	<i>For &gt;50, Deduct</i>	-0.31	
32 01 30 13-0003	MSF >4" To 10" Depth Snow Plowing, Parking Lot And Drives, Pick-up Truck With Plow		3.33
	<i>For &lt;5, Add 0.67</i>		
	<i>For &gt;25 To 50, Deduct</i>	-0.25	
	<i>For &gt;50, Deduct</i>	-0.42	
32 01 30 13-0004	MSF >10" To 15" Depth Snow Plowing, Parking Lot And Drives, Pick-up Truck With Plow		5.75
	<i>For &lt;5, Add 1.15</i>		
	<i>For &gt;25 To 50, Deduct</i>	-0.43	
	<i>For &gt;50, Deduct</i>	-0.72	
32 01 30 13-0005	MSF Up To 4" Depth Snow Plowing, Roadway, 12 Ton Plow Truck		1.72
	<i>For &gt;50 To 100, Deduct</i>	-0.17	
	<i>For &gt;100 To 500, Deduct</i>	-0.30	
	<i>For &gt;500, Deduct</i>	-0.43	
32 01 30 13-0006	MSF >4 To 10" Depth Snow Plowing, Roadway, 12 Ton Plow Truck		3.33
	<i>For &gt;50 To 100, Deduct</i>	-0.33	
	<i>For &gt;100 To 500, Deduct</i>	-0.58	
	<i>For &gt;500, Deduct</i>	-0.83	
32 01 30 13-0007	MSF >10 To 15" Depth Snow Plowing, Roadway, 12 Ton Plow Truck		5.75
	<i>For &gt;50 To 100, Deduct</i>	-0.58	
	<i>For &gt;100 To 500, Deduct</i>	-1.01	
	<i>For &gt;500, Deduct</i>	-1.44	
32 01 30 13-0008	SF Remove Up To 2" Snow From Sidewalk And Drives, By Hand		0.32
32 01 30 13-0009	SF Remove >2" To 4" Snow From Sidewalk And Drives, By Hand		0.39
32 01 30 13-0010	SF Remove >4" To 6" Snow From Sidewalk And Drives, By Hand		0.47
32 01 30 13-0011	CF Remove >6" Snow From Sidewalk And Drives, By Hand		0.62
32 01 30 13-0012	CF Remove Snow From Sidewalk And Drives, By 24" Wide Power Blower		0.04
32 01 30 13-0013	CY Snow Removal, Load And Haul, 1 Mile Round Trip		7.52
32 01 30 13-0014	CY Snow Removal, Load And Haul, 2 Mile Round Trip		9.78
32 01 30 13-0015	CY Snow Removal, Load And Haul, 3 Mile Round Trip		11.49
32 01 30 13-0016	CY Snow Removal, Load And Haul, 4 Mile Round Trip		13.22
32 01 30 13-0017	CY Snow Removal, Load And Haul, 5 Mile Round Trip		14.29
32 01 30 13-0018	CY Snow Removal, Clearing, 1 CY, With Wheeled Skid Steer Loader		2.09
32 01 30 13-0019	MSF Spread Sand And Salt Mix On Parking Lot And Drives		8.62
	<i>For &lt;5, Add 0.23</i>		
	<i>For &gt;25 To 50, Deduct</i>	-0.08	
	<i>For &gt;50, Deduct</i>	-0.14	
32 01 30 13-0020	MSF Spread Sand And Salt Mix On Roadway		8.29
	<i>For &gt;50 To 100, Deduct</i>	-0.08	
	<i>For &gt;100 To 500, Deduct</i>	-0.14	
	<i>For &gt;500, Deduct</i>	-0.20	

#### 32 01 30 13-0021 De-Ice Walks (32 01 30 13)

32 01 30 13-0022	CSF De-Ice Walks, With Rock Salt, By Hand		5.96
32 01 30 13-0023	CSF De-Ice Sidewalks And Drives, With Rock Salt, By Rotary Spreader		5.76
32 01 30 13-0024	MSF De-Ice Parking Lots And Roadway With Rock Salt, By Rotary Spreader		55.16
32 01 30 13-0025	CSF De-Ice Walks, With Calcium Chloride, 1.9 LB / CSF, By Hand		16.42
32 01 30 13-0026	CSF De-Ice Sidewalks And Drives With Calcium Chloride, 1.9 LB / CSF, By Rotary Spreader		16.22
32 01 30 13-0027	MSF De-Ice Parking Lots And Roadways With Calcium Chloride, 1.9 LB / MSF, By Rotary Spreader		159.76

### 32 01 90 Operation And Maintenance Of Planting (32 01)

Note: These tasks are to be used as requested by the owner to maintain existing conditions.

#### 32 01 90 13 Fertilizing (32 01 90)

32 01 90 13-0001	MSF Fertilizer - 2 LB Of Nitrogen/MSF (Granular)		6.94
32 01 90 13-0002	MSF Fertilizer - 2 LB Of Nitrogen/MSF (Liquid)		4.98
32 01 90 13-0003	MSF Fertilizer - 0.5 LB Of Nitrogen/MSF (Granular)		5.47
32 01 90 13-0004	MSF Fertilizer - 0.5 LB Of Nitrogen/MSF (Liquid)		4.46

#### 32 01 90 19 Mowing (32 01 90)

32 01 90 19-0001	ACR Vegetation Cutting By Bush Hog		91.49
	Note: Includes normal debris removal, cutting, and trimming.		
	<i>For &lt;1 Acre, Add</i>		22.87

#### 32 01 90 23 Pruning (32 01 90)



**32 Exterior Improvements****32 01 Operation And Maintenance Of Exterior Improvements****32 01 90 Operation And Maintenance Of Planting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0001 Tree Pruning <small>(32 01 90 23)</small> Note: Types of pruning for mature trees (these standards are established by the ISA - International Society of Arboriculture) 1. CROWN CLEANING - Crown cleaning or cleaning out is the removal of dead, dying, diseased, crowded, weakly attached, and low-vigor branches and waterspouts from a tree crown. 2. CROWN THINNING - Crown thinning includes crown cleaning and the selective removal of branches to increase light penetration and air movement into the crown. Increased light and air stimulates and maintains interior foliage, which in turn improves branch taper and strength. Thinning reduces the wind-sail effect of the crown and the weight of the heavy limbs. Thinning the crown can emphasize the structural beauty of the trunk and branches as well as improve the growth of plants beneath the tree by increasing light penetration. When thinning the crown of mature trees, seldom should more than one-third of the live foliage be removed. At least one-half of the foliage should be on branches that arise in the lower two-thirds of the trees. Likewise, when thinning laterals from a limb, an effort should be made to retain inner lateral branches and leave the same distribution of foliage along the branch. Trees and branches so pruned will have stress more evenly distributed throughout the tree or along a branch. 3. CROWN RAISING - Crown raising removes the lower branches of a tree in order to provide clearance for buildings, vehicles, pedestrians, and vistas. It is important that a tree have at least one-half of its foliage on branches that originate in the lower two-thirds of its trunk to ensure a well-formed, tapered structure and to uniformly distribute stress within a tree. When pruning for view, it is preferable to develop "windows" through the foliage of the tree, rather than to severely raise or reduce the crown. 4. CROWN REDUCTION - Crown reduction is used to reduce the height and/or spread of a tree. Thinning cuts are most effective in maintaining the structural integrity and natural form of a tree and in delaying the time when it will need to be pruned again. The lateral to which a branch or trunk is cut should be at least one-half the diameter of the cut being made. 5. CROWN RESTORATION - Crown restoration can improve the structure and appearance of trees that have been topped or severely pruned using heading cuts. One to three sprouts on main branch stubs should be selected to reform a more natural appearing crown. Selected vigorous sprouts may need to be thinned to a lateral, or even headed, to control length growth in order to ensure adequate attachment for the size of the sprout. Restoration may require several pruning's over a number of years. Includes loading onto truck or dumpster.		
32 01 90 23-0002 EA Tree Pruning (Crown Cleaning), 1-1/2" Caliper.....	14.08	
For Crown Thinning, Tree Pruning, Add	3.17	
For Crown Raising, Pruning, Add	4.93	
For Crown Reduction, Tree Pruning, Add	6.34	
For Crown Restoration, Pruning, Add	9.39	
32 01 90 23-0003 EA Tree Pruning (Crown Cleaning), 2" Caliper.....	16.09	
For Crown Thinning, Tree Pruning, Add	3.62	
For Crown Raising, Pruning, Add	5.63	
For Crown Reduction, Tree Pruning, Add	7.24	
For Crown Restoration, Pruning, Add	10.73	
32 01 90 23-0004 EA Tree Pruning (Crown Cleaning), 2-1/2" Caliper.....	18.10	
For Crown Thinning, Tree Pruning, Add	4.07	
For Crown Raising, Pruning, Add	6.34	
For Crown Reduction, Tree Pruning, Add	8.15	
For Crown Restoration, Pruning, Add	12.07	
32 01 90 23-0005 EA Tree Pruning (Crown Cleaning), 3" Caliper.....	20.11	
For Crown Thinning, Tree Pruning, Add	4.52	
For Crown Raising, Pruning, Add	7.04	
For Crown Reduction, Tree Pruning, Add	9.05	
For Crown Restoration, Pruning, Add	13.41	
32 01 90 23-0006 EA Tree Pruning (Crown Cleaning), 4" Caliper, By Hand.....	30.56	
For Crown Thinning, Tree Pruning, Add	6.88	
For Crown Raising, Pruning, Add	10.70	
For Crown Reduction, Tree Pruning, Add	13.75	
For Crown Restoration, Pruning, Add	20.37	
32 01 90 23-0007 EA Tree Pruning (Crown Cleaning), 4" Caliper, Aerial Lift Equipment.....	54.20	
For Crown Thinning, Tree Pruning, Add	12.20	
For Crown Raising, Pruning, Add	18.97	
For Crown Reduction, Tree Pruning, Add	24.39	
For Crown Restoration, Pruning, Add	36.14	
32 01 90 23-0008 EA Tree Pruning (Crown Cleaning), 6" Caliper, By Hand.....	53.49	
For Crown Thinning, Tree Pruning, Add	12.04	
For Crown Raising, Pruning, Add	18.72	
For Crown Reduction, Tree Pruning, Add	24.07	
For Crown Restoration, Pruning, Add	35.66	
32 01 90 23-0009 EA Tree Pruning (Crown Cleaning), 6" Caliper, Aerial Lift Equipment.....	103.22	
For Crown Thinning, Tree Pruning, Add	23.22	
For Crown Raising, Pruning, Add	36.13	
For Crown Reduction, Tree Pruning, Add	46.45	
For Crown Restoration, Pruning, Add	68.82	
32 01 90 23-0010 EA Tree Pruning (Crown Cleaning), 9" Caliper, By Hand.....	85.65	
For Crown Thinning, Tree Pruning, Add	19.27	
For Crown Raising, Pruning, Add	29.98	
For Crown Reduction, Tree Pruning, Add	38.54	
For Crown Restoration, Pruning, Add	57.10	
32 01 90 23-0011 EA Tree Pruning (Crown Cleaning), 9" Caliper, Aerial Lift Equipment.....	165.11	
For Crown Thinning, Tree Pruning, Add	37.15	
For Crown Raising, Pruning, Add	57.79	
For Crown Reduction, Tree Pruning, Add	74.30	
For Crown Restoration, Pruning, Add	110.08	
32 01 90 23-0012 EA Tree Pruning (Crown Cleaning), 12" Caliper, By Hand.....	98.97	
For Crown Thinning, Tree Pruning, Add	22.27	
For Crown Raising, Pruning, Add	34.64	
For Crown Reduction, Tree Pruning, Add	44.54	
For Crown Restoration, Pruning, Add	65.98	
32 01 90 23-0013 EA Tree Pruning (Crown Cleaning), 12" Caliper, Aerial Lift Equipment.....	190.95	
For Crown Thinning, Tree Pruning, Add	42.96	
For Crown Raising, Pruning, Add	66.83	
For Crown Reduction, Tree Pruning, Add	85.93	
For Crown Restoration, Pruning, Add	127.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0014 EA Tree Pruning (Crown Cleaning), 18" Caliper By Hand.....	115.05	
<i>For Crown Thinning, Tree Pruning, Add</i>	25.89	
<i>For Crown Raising, Pruning, Add</i>	40.27	
<i>For Crown Reduction, Tree Pruning, Add</i>	51.77	
<i>For Crown Restoration, Pruning, Add</i>	76.70	
32 01 90 23-0015 EA Tree Pruning (Crown Cleaning), 18" Caliper By Hand, Aerial Lift Equipment.....	221.91	
<i>For Crown Thinning, Tree Pruning, Add</i>	49.93	
<i>For Crown Raising, Pruning, Add</i>	77.67	
<i>For Crown Reduction, Tree Pruning, Add</i>	99.86	
<i>For Crown Restoration, Pruning, Add</i>	147.95	
32 01 90 23-0016 EA Tree Pruning (Crown Cleaning), 24" Caliper, By Hand.....	140.06	
<i>For Crown Thinning, Tree Pruning, Add</i>	31.51	
<i>For Crown Raising, Pruning, Add</i>	49.02	
<i>For Crown Reduction, Tree Pruning, Add</i>	63.03	
<i>For Crown Restoration, Pruning, Add</i>	93.38	
32 01 90 23-0017 EA Tree Pruning (Crown Cleaning), 24" Caliper, Aerial Lift Equipment.....	268.40	
<i>For Crown Thinning, Tree Pruning, Add</i>	60.39	
<i>For Crown Raising, Pruning, Add</i>	93.94	
<i>For Crown Reduction, Tree Pruning, Add</i>	120.78	
<i>For Crown Restoration, Pruning, Add</i>	178.94	
32 01 90 23-0018 EA Tree Pruning (Crown Cleaning), 30" Caliper, By Hand.....	173.97	
<i>For Crown Thinning, Tree Pruning, Add</i>	39.14	
<i>For Crown Raising, Pruning, Add</i>	60.89	
<i>For Crown Reduction, Tree Pruning, Add</i>	78.29	
<i>For Crown Restoration, Pruning, Add</i>	115.99	
32 01 90 23-0019 EA Tree Pruning (Crown Cleaning), 30" Caliper, Aerial Lift Equipment.....	338.28	
<i>For Crown Thinning, Tree Pruning, Add</i>	76.11	
<i>For Crown Raising, Pruning, Add</i>	118.40	
<i>For Crown Reduction, Tree Pruning, Add</i>	152.23	
<i>For Crown Restoration, Pruning, Add</i>	225.53	
32 01 90 23-0020 EA Tree Pruning (Crown Cleaning), 36" Caliper, By Hand.....	238.29	
<i>For Crown Thinning, Tree Pruning, Add</i>	53.62	
<i>For Crown Raising, Pruning, Add</i>	83.40	
<i>For Crown Reduction, Tree Pruning, Add</i>	107.23	
<i>For Crown Restoration, Pruning, Add</i>	158.87	
32 01 90 23-0021 EA Tree Pruning (Crown Cleaning), 36" Caliper, Aerial Lift Equipment.....	458.47	
<i>For Crown Thinning, Tree Pruning, Add</i>	103.16	
<i>For Crown Raising, Pruning, Add</i>	160.46	
<i>For Crown Reduction, Tree Pruning, Add</i>	206.31	
<i>For Crown Restoration, Pruning, Add</i>	305.66	
32 01 90 23-0022 EA Tree Pruning (Crown Cleaning), 48" Caliper, By Hand.....	378.04	
<i>For Crown Thinning, Tree Pruning, Add</i>	85.06	
<i>For Crown Raising, Pruning, Add</i>	132.31	
<i>For Crown Reduction, Tree Pruning, Add</i>	170.12	
<i>For Crown Restoration, Pruning, Add</i>	252.04	
32 01 90 23-0023 EA Tree Pruning (Crown Cleaning), 48" Caliper, Aerial Lift Equipment.....	737.30	
<i>For Crown Thinning, Tree Pruning, Add</i>	165.89	
<i>For Crown Raising, Pruning, Add</i>	258.06	
<i>For Crown Reduction, Tree Pruning, Add</i>	331.79	
<i>For Crown Restoration, Pruning, Add</i>	491.56	
<b>32 01 90 23-0024 Shrub Pruning</b> <small>(32 01 90 23)</small>		
32 01 90 23-0025 MSF Shrub Pruning, Prune, Shrub Bed.....	45.83	
32 01 90 23-0026 EA Shrub Pruning, Prune, Shrub Under 3' Height.....	1.61	
32 01 90 23-0027 EA Shrub Pruning, Prune, Shrub 4' Height.....	3.62	
32 01 90 23-0028 EA Shrub Pruning, Prune, Shrub Over 6'.....	6.44	
32 01 90 23-0029 EA Shrub Pruning, Prune Trees From Ground.....	16.09	
32 01 90 23-0030 EA Shrub Pruning, Prune Trees From Ground, High Work.....	40.23	
<b>32 01 90 23-0031 Root Removal</b> <small>(32 01 90 23)</small>		
32 01 90 23-0032 EA Hand Trim Roots From Work Area, Per Tree.....	52.22	
<b>32 01 90 26 Watering</b> <small>(32 01 90)</small>		
<small>Note: Includes delivered water. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant.</small>		
<b>32 01 90 26-0001 Watering Lawns, Plants And Trees</b> <small>(32 01 90 26)</small>		
<small>Note: Includes delivered water and watering truck. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant. These tasks are to be used as requested by the owner for extended watering period for lawns, plants and trees.</small>		
32 01 90 26-0002 CSF Watering Groundcover.....	3.62	
32 01 90 26-0003 CSF Watering Annuals And Perennials.....	6.36	
32 01 90 26-0004 EA Watering Trees, 1-1/2" To 5" Diameter By Hand.....	12.15	
32 01 90 26-0005 EA Watering Trees, 6" To 12" Diameter By Hand.....	15.97	
32 01 90 26-0006 EA Watering Trees, 13" To 18" Diameter By Hand.....	19.79	
32 01 90 26-0007 EA Watering Trees, >18" Diameter By Hand.....	24.37	
32 01 90 26-0008 EA Watering Shrub Or Bush By Hand.....	6.11	
32 01 90 26-0009 SY Watering Sod/Grass.....	2.66	
<i>For Owner Furnished Water, Deduct</i>	-0.04	
<b>32 01 90 36 Weed And Brush Control</b> <small>(32 01 90)</small>		

**32 Exterior Improvements****32 01 Operation And Maintenance Of Exterior Improvements****32 01 90 Operation And Maintenance Of Planting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90	36-0001		<b>Herbicide, Push Or Hand Spreader Applied</b> <small>(32 01 90 36)</small>		
	32 01 90 36-0002	MSF	Non-Selective Post Emergent Weed Herbicide (70.4 oz/acre or 1.62 oz/MSF).....	3.84	
			<i>For &gt;45 To 90, Deduct</i>	-0.21	
			<i>For &gt;90 To 225, Deduct</i>	-0.60	
			<i>For &gt;225 To 870, Deduct</i>	-0.98	
			<i>For &gt;870, Deduct</i>	-1.20	
	32 01 90 36-0003	MSF	Non-Selective Post Emergent Woody Brush And Tree Herbicide (128 oz/acre or 2.94 oz/MSF).....	4.22	
			<i>For &gt;45 To 90, Deduct</i>	-0.25	
			<i>For &gt;90 To 225, Deduct</i>	-0.67	
			<i>For &gt;225 To 870, Deduct</i>	-1.10	
			<i>For &gt;870, Deduct</i>	-1.35	
	32 01 90 36-0004	MSF	Selective Weed Herbicide (56 oz/Acre or 1.28 oz/MSF).....	4.19	
			Note: Includes pre and post emergent.		
			<i>For &gt;45 To 90, Deduct</i>	-0.25	
			<i>For &gt;90 To 225, Deduct</i>	-0.67	
			<i>For &gt;225 To 870, Deduct</i>	-1.09	
			<i>For &gt;870, Deduct</i>	-1.34	
	32 01 90 36-0005	MSF	Selective Woody Brush And Tree Herbicide (72 oz/acre or 1.65 oz/MSF).....	4.42	
			Note: Includes pre and post emergents.		
			<i>For &gt;45 To 90, Deduct</i>	-0.27	
			<i>For &gt;90 To 225, Deduct</i>	-0.71	
			<i>For &gt;225 To 870, Deduct</i>	-1.16	
			<i>For &gt;870, Deduct</i>	-1.43	
<b>32 01 90 39</b>			<b>Pesticides</b> <small>(32 01 90)</small>		
	32 01 90 39-0001	MSF	Pesticide - Surface Eating.....	5.20	
	32 01 90 39-0002	MSF	Pesticide - Subsurface Eating.....	5.22	
	32 01 90 39-0003	MSF	Pesticide - Fungicide Application.....	5.69	
<b>32 01 90 43</b>			<b>Weed And Cultivate</b> <small>(32 01 90)</small>		
	32 01 90 43-0001	MSF	Weed Mulched Bed.....	19.47	
	32 01 90 43-0002	MSF	Weed Unmulched Bed.....	55.65	
	32 01 90 43-0003	MSF	Cultivate Bed.....	29.97	
<b>32 01 90 46</b>			<b>Hedge Trimming</b> <small>(32 01 90)</small>		
	32 01 90 46-0001	LF	Trim 0-5' High Hedge, 0-3' Wide.....	2.62	
	32 01 90 46-0002	LF	Trim 0-5' High Hedge, 4-6' Wide.....	3.92	
	32 01 90 46-0003	LF	Trim 5-10' High Hedge, 0-3' Wide.....	5.94	
	32 01 90 46-0004	LF	Trim 5-10' High Hedge, 4-6' Wide.....	6.06	
<b>32 01 90 53</b>			<b>Plant Growth Regulator Application</b> <small>(32 01 90)</small>		
	32 01 90 53-0001	EA	Plant Growth Regulator Application.....	3.02	
<b>32 01 90 59</b>			<b>Tree Root Control Fabric</b> <small>(32 01 90)</small>		
	32 01 90 59-0001		Tree Root Control Fabric At Existing Sidewalk Or Curbs <small>(32 01 90 59)</small>		
			Note: Includes trimming root, excavation, installation of root fabric, and backfill.		
	32 01 90 59-0002	SF	Tree Root Control Fabric.....	7.46	
<b>32 10 Bases, Ballasts, And Paving</b>					
<b>32 11 Base Courses</b>					
<b>32 11 16 Subbase Courses</b>					
<b>32 11 16 16 Aggregate Subbase Courses</b>					
	32 11 16 16-0001		Base And Subbase Courses For Roadways And Parking Areas <small>(32 11 16 16)</small>		
			Note: Includes 3/4" To 1-1/2" aggregate material, hauling up to 15 miles, dumping, spreading, grading, compacting and watering. See CSI section 01 74 19 00-0032 for hauling greater than 15 miles.		
	32 11 16 16-0002		Base And Subbase Courses By The CY <small>(32 11 16 16-0001)</small>		
	32 11 16 16-0003	CY	Class 5 Granite Roadway Base Course.....	53.89	
			<i>For Limestone, Deduct</i>	-4.38	
	32 11 16 16-0004		Base And Subbase Courses For Roadways And Parking Areas By The SY <small>(32 11 16 16-0001)</small>		
	32 11 16 16-0005	SY	2" Crushed Aggregate Base Course For Roadways And Parking Areas.....	2.71	
			<i>For Limestone, Deduct</i>	-0.21	
			<i>For Up To 500, Add</i>	0.70	
			<i>For &gt;500 To 1,000, Add</i>	0.27	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10	
			<i>For &gt;10,000, Deduct</i>	-0.18	



		<b>Exterior Improvements</b>	<b>32</b>
		<b>Bases, Ballasts, And Paving</b>	<b>32 10</b>
		Base Courses	32 11

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 11 16 16-0006 SY 4" Crushed Aggregate Base Course For Roadways And Parking Areas.....	5.03	
For Limestone, Deduct	-0.35	
For Up To 500, Add	1.32	
For >500 To 1,000, Add	0.50	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000, Deduct	-0.33	
32 11 16 16-0007 SY 6" Crushed Aggregate Base Course For Roadways And Parking Areas.....	7.94	
For Limestone, Deduct	-0.59	
For Up To 500, Add	2.06	
For >500 To 1,000, Add	0.79	
For >5,000 To 10,000, Deduct	-0.30	
For >10,000, Deduct	-0.52	
32 11 16 16-0008 SY 9" Crushed Aggregate Base Course For Roadways And Parking Areas.....	11.51	
For Limestone, Deduct	-0.81	
For Up To 500, Add	3.01	
For >500 To 1,000, Add	1.15	
For >5,000 To 10,000, Deduct	-0.44	
For >10,000, Deduct	-0.75	
32 11 16 16-0009 SY 12" Crushed Aggregate Base Course For Roadways And Parking Areas.....	14.17	
For Limestone, Deduct	-1.23	
For Up To 500, Add	3.58	
For >500 To 1,000, Add	1.42	
For >5,000 To 10,000, Deduct	-0.54	
For >10,000, Deduct	-0.92	
<b>32 11 23 Aggregate Base Courses (32 11)</b>		
<b>32 11 23 16 Aggregate Base Courses (32 11 23)</b>		
<b>32 11 23 16-0001 Base Courses For Sidewalk (Asphalt Or Concrete) (32 11 23 16)</b>		
Note: Includes material, hauling up to 15 miles, placement, spreading, grading, and compaction. See CSI section 01 74 19 00-0032 for hauling greater than 15 miles.		
32 11 23 16-0002 SF 2" Crushed Aggregate Base Course For Sidewalks .....	0.38	
For Up To 1,000, Add	0.10	
For >1,000 To 2,500, Add	0.04	
32 11 23 16-0003 SF 3" Crushed Aggregate Base Course For Sidewalks .....	0.54	
For Up To 1,000, Add	0.15	
For >1,000 To 2,500, Add	0.05	
32 11 23 16-0004 SF 4" Crushed Aggregate Base Course For Sidewalks .....	0.70	
For Up To 1,000, Add	0.19	
For >1,000 To 2,500, Add	0.07	
32 11 23 16-0005 SF 5" Crushed Aggregate Base Course For Sidewalks .....	0.91	
For Up To 1,000, Add	0.25	
For >1,000 To 2,500, Add	0.09	
32 11 23 16-0006 SF 6" Crushed Aggregate Base Course For Sidewalks .....	1.13	
For Up To 1,000, Add	0.31	
For >1,000 To 2,500, Add	0.11	
32 11 23 16-0007 SF 7" Crushed Aggregate Base Course For Sidewalks .....	1.29	
For Up To 1,000, Add	0.35	
For >1,000 To 2,500, Add	0.13	
32 11 23 16-0008 SF 8" Crushed Aggregate Base Course For Sidewalks .....	1.46	
For Up To 1,000, Add	0.40	
For >1,000 To 2,500, Add	0.15	
<b>32 11 26 Asphaltic Base Courses (32 11)</b>		
<b>32 11 26 19 Bituminous-Stabilized Base Courses (32 11 26)</b>		
<b>32 11 26 19-0001 Bituminous-Stabilized Base Courses (32 11 26 19)</b>		
32 11 26 19-0002 CY Bituminous Stabilized Base Course.....	56.08	
Note: 3/4" ASTM C33.		
<b>32 11 26 19-0003 Base Binder Course (VDOT BM-25.0) (32 11 26 19)</b>		
32 11 26 19-0004 SY1 Bituminous Stabilized Stone Base Course Includes placement and rolling .....	9.61	
For Up To 1000, Add	2.02	
For > 1000 To 2000, Add	1.06	
For >5000 To 7500, Deduct	-0.48	
For >7500 To 10000, Deduct	-0.72	
For >10000 To 20000, Deduct	-0.96	
For >20000, Deduct	-1.20	
<b>32 12 Flexible Paving (32 10)</b>		
<b>32 12 13 Preparatory Coats (32 12)</b>		
<b>32 12 13 13 Tack Coats (32 12 13)</b>		
32 12 13 13-0001 SY Tack Coat, 0.04 Gallon/SY .....	0.35	
For Up To 150, Add	0.07	
For >150 To 300, Add	0.04	
For >300 To 500, Add	0.02	
For >3,500 To 5,000, Deduct	-0.01	
For >5,000, Deduct	-0.02	

<b>32</b>	<b>Exterior Improvements</b>
<b>32 10</b>	<b>Bases, Ballasts, And Paving</b>
<b>32 12</b>	<b>Flexible Paving</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 13 13-0002	SY		Tack Coat, 0.05 Gallon/SY .....	0.39	
			<i>For Up To 150, Add</i>	0.08	
			<i>For &gt;150 To 300, Add</i>	0.04	
			<i>For &gt;300 To 500, Add</i>	0.02	
			<i>For &gt;3,500 To 5,000, Deduct</i>	-0.01	
			<i>For &gt;5,000, Deduct</i>	-0.02	
32 12 13 13-0003	SY		Tack Coat, 0.07 Gallon/SY .....	0.47	
			<i>For Up To 150, Add</i>	0.10	
			<i>For &gt;150 To 300, Add</i>	0.05	
			<i>For &gt;300 To 500, Add</i>	0.02	
			<i>For &gt;3,500 To 5,000, Deduct</i>	-0.01	
			<i>For &gt;5,000, Deduct</i>	-0.03	
32 12 13 13-0004	SY		Tack Coat, 0.08 Gallon/SY .....	0.51	
			<i>For Up To 150, Add</i>	0.11	
			<i>For &gt;150 To 300, Add</i>	0.05	
			<i>For &gt;300 To 500, Add</i>	0.03	
			<i>For &gt;3,500 To 5,000, Deduct</i>	-0.01	
			<i>For &gt;5,000, Deduct</i>	-0.03	
32 12 13 13-0005	SY		Tack Coat, 0.10 Gallon/SY .....	0.59	
			<i>For Up To 150, Add</i>	0.13	
			<i>For &gt;150 To 300, Add</i>	0.06	
			<i>For &gt;300 To 500, Add</i>	0.03	
			<i>For &gt;3,500 To 5,000, Deduct</i>	-0.01	
			<i>For &gt;5,000, Deduct</i>	-0.04	
32 12 13 13-0006	SY		Tack Coat, 0.11 Gallon/SY .....	0.64	
			<i>For Up To 150, Add</i>	0.14	
			<i>For &gt;150 To 300, Add</i>	0.06	
			<i>For &gt;300 To 500, Add</i>	0.03	
			<i>For &gt;3,500 To 5,000, Deduct</i>	-0.02	
			<i>For &gt;5,000, Deduct</i>	-0.04	
<b>32 12 13 19</b>			<b>Prime Coats</b> <small>(32 12 13)</small>		
32 12 13 19-0001	SY		Surface Prime Coat, 0.26 Gallon/SY.....	1.10	
			<i>For Up To 150, Add</i>	0.25	
			<i>For &gt;150 To 300, Add</i>	0.11	
			<i>For &gt;300 To 500, Add</i>	0.06	
			<i>For &gt;3,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000, Deduct</i>	-0.08	
32 12 13 19-0002	SY		Surface Prime Coat, 0.28 Gallon/SY.....	1.16	
			<i>For Up To 150, Add</i>	0.27	
			<i>For &gt;150 To 300, Add</i>	0.12	
			<i>For &gt;300 To 500, Add</i>	0.06	
			<i>For &gt;3,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000, Deduct</i>	-0.08	
32 12 13 19-0003	SY		Surface Prime Coat, 0.30 Gallon/SY.....	1.23	
			<i>For Up To 150, Add</i>	0.28	
			<i>For &gt;150 To 300, Add</i>	0.12	
			<i>For &gt;300 To 500, Add</i>	0.06	
			<i>For &gt;3,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000, Deduct</i>	-0.09	
<b>32 12 16</b>			<b>Asphalt Paving</b> <small>(32 12)</small>		
<b>32 12 16 13</b>			<b>Plant-Mix Asphalt Paving</b> <small>(32 12 16)</small>		
			Note: Includes delivery up to 15 miles, placement, rolling, finishing and sweeping. Excludes base, tack or price coat, seal coats and roadway fabrics (where required). See CSI section 01 74 19 00-0032 for hauling greater than 15 miles, 32 11 00 00-0000 for base courses, 32 12 13 13-0000 for tack coats, 32 12 13 19-0000 for prime coats, 32 12 16 39-0000 for roadway fabrics, 32 12 36 00-0000 for seal coats.		
<b>32 12 16 13-0001</b>			<b>Intermediate Binder Courses, Hot Mix Asphalt (HMA)</b> <small>(32 12 16 13)</small>		
32 12 16 13-0002	TON		Bituminous Hot Mix Intermediate Course 3,954 LB/CY .....	74.29	
			Note: Includes placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.		
			<i>For Warm Mix Additive, Add</i>	3.93	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.23	
			<i>For &gt;1,000 To 2,500, Deduct</i>	-5.85	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-9.08	
			<i>For &gt;5,000, Deduct</i>	-13.01	
32 12 16 13-0003	SY		1" Thick Bituminous Hot Mix Binder Course .....	4.32	
			Note: Includes placement, rolling, finishing and sweeping.		
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.19	
			<i>For &gt;20,000 To 50,000, Deduct</i>	-0.34	
			<i>For &gt;50,000 To 100,000, Deduct</i>	-0.52	
			<i>For &gt;100,000, Deduct</i>	-0.75	
32 12 16 13-0004	SY		1-1/2" Thick Bituminous Hot Mix Binder Course .....	6.37	
			Note: Includes placement, rolling, finishing and sweeping.		
			<i>For &gt;7,000 To 14,000, Deduct</i>	-0.28	
			<i>For &gt;14,000 To 32,000, Deduct</i>	-0.50	
			<i>For &gt;32,000 To 64,000, Deduct</i>	-0.78	
			<i>For &gt;64,000, Deduct</i>	-1.12	



		<b>Exterior Improvements</b>	<b>32</b>
		<b>Bases, Ballasts, And Paving</b>	<b>32 10</b>
		<b>Flexible Paving</b>	<b>32 12</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0005 SY 2" Thick Bituminous Hot Mix Binder Course ..... 8.40 Note: Includes placement, rolling, finishing and sweeping.		
For Up To 500, Add	1.16	
For >500 To 1,000, Add	0.64	
For >5,000 To 10,000, Deduct	-0.37	
For >10,000 To 24,000, Deduct	-0.67	
For >24,000 To 48,000, Deduct	-1.04	
For >48,000, Deduct	-1.49	
32 12 16 13-0006 SY 2-1/2" Thick Bituminous Hot Mix Binder Course ..... 10.22 Note: Includes placement, rolling, finishing and sweeping.		
For Up To 400, Add	1.37	
For >400 To 800, Add	0.75	
For >4,000 To 8,000, Deduct	-0.45	
For >8,000 To 20,000, Deduct	-0.82	
For >20,000 To 40,000, Deduct	-1.28	
For >40,000, Deduct	-1.83	
32 12 16 13-0007 SY 3" Thick Bituminous Hot Mix Binder Course ..... 12.03 Note: Includes placement, rolling, finishing and sweeping.		
For Up To 300, Add	1.57	
For >300 To 600, Add	1.36	
For >3,000 To 6,000, Deduct	-0.54	
For >6,000 To 16,000, Deduct	-0.98	
For >16,000 To 32,000, Deduct	-1.52	
For >32,000, Deduct	-2.18	
32 12 16 13-0008 SY 3-1/2" Thick Bituminous Hot Mix Binder Course ..... 14.02 Note: Includes placement, rolling, finishing and sweeping.		
For Up To 280, Add	1.83	
For >280 To 560, Add	1.00	
For >2,800 To 5,600, Deduct	-0.63	
For >5,600 To 14,000, Deduct	-1.14	
For >14,000 To 28,000, Deduct	-1.77	
For >28,000, Deduct	-2.54	
32 12 16 13-0009 SY 4" Thick Bituminous Hot Mix Binder Course ..... 16.05 Note: Includes placement, rolling, finishing and sweeping.		
For Up To 250, Add	2.10	
For >250 To 500, Add	1.15	
For >2,500 To 5,000, Deduct	-0.72	
For >5,000 To 12,000, Deduct	-1.31	
For >12,000 To 24,000, Deduct	-2.03	
For >24,000, Deduct	-2.91	
32 12 16 13-0010 SY 5" Thick Bituminous Hot Mix Binder Course ..... 20.03 Note: Includes placement, rolling, finishing and sweeping.		
For Up To 200, Add	2.62	
For >200 To 400, Add	1.43	
For >2,000 To 4,000, Deduct	-0.90	
For >4,000 To 10,000, Deduct	-1.63	
For >10,000 To 20,000, Deduct	-2.53	
For >20,000, Deduct	-3.63	
32 12 16 13-0011 SY 6" Thick Bituminous Hot Mix Binder Course ..... 24.07 Note: Includes placement, rolling, finishing and sweeping.		
For Up To 160, Add	3.15	
For >160 To 320, Add	1.72	
For >1,600 To 3,200, Deduct	-1.08	
For >3,200 To 8,000, Deduct	-1.96	
For >8,000 To 16,000, Deduct	-3.04	
For >16,000, Deduct	-4.36	
<b>32 12 16 13-0012 Surface Courses, Hot Mix Asphalt (HMA) (32 12 16 13)</b>		
32 12 16 13-0013 TON Bituminous Hot Mix Surface Course 3,774 LB/CY ..... 74.98 Note: Includes placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.		
For Warm Mix Additive, Add	3.75	
For >500 To 1,000, Deduct	-3.14	
For >1,000 To 2,500, Deduct	-5.70	
For >2,500 To 5,000, Deduct	-8.84	
For >5,000, Deduct	-12.68	
32 12 16 13-0014 SY 1" Thick Bituminous Hot Mix Surface Course ..... 4.27 Note: Includes placement, rolling, finishing and sweeping.		
For >10,000 To 20,000, Deduct	-0.18	
For >20,000 To 50,000, Deduct	-0.32	
For >50,000 To 100,000, Deduct	-0.50	
For >100,000, Deduct	-0.72	
32 12 16 13-0015 SY 1-1/2" Thick Bituminous Hot Mix Surface Course ..... 6.28 Note: Includes placement, rolling, finishing and sweeping.		
For >7,000 To 14,000, Deduct	-0.26	
For >14,000 To 32,000, Deduct	-0.48	
For >32,000 To 64,000, Deduct	-0.74	
For >64,000, Deduct	-1.06	
32 12 16 13-0016 SY 2" Thick Bituminous Hot Mix Surface Course ..... 8.26 Note: Includes placement, rolling, finishing and sweeping.		
For Up To 500, Add	1.22	
For >500 To 1,000, Add	0.69	
For >5,000 To 10,000, Deduct	-0.35	
For >10,000 To 24,000, Deduct	-0.63	
For >24,000 To 48,000, Deduct	-0.98	
For >48,000, Deduct	-1.41	

<b>32</b>	<b>Exterior Improvements</b>
<b>32 10</b>	<b>Bases, Ballasts, And Paving</b>
<b>32 12</b>	<b>Flexible Paving</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0017	SY		2-1/2" Thick Bituminous Hot Mix Surface Course .....9.96 Note: Includes placement, rolling, finishing and sweeping.		
			For Up To 400, Add	1.43	
			For >400 To 800, Add	0.80	
			For >4,000 To 8,000, Deduct	-0.43	
			For >8,000 To 20,000, Deduct	-0.78	
			For >20,000 To 40,000, Deduct	-1.20	
			For >40,000, Deduct	-1.73	
32 12 16 13-0018	SY		3" Thick Bituminous Hot Mix Surface Course .....11.66 Note: Includes placement, rolling, finishing and sweeping.		
			For Up To 300, Add	1.63	
			For >300 To 600, Add	1.36	
			For >3,000 To 6,000, Deduct	-0.51	
			For >6,000 To 16,000, Deduct	-0.92	
			For >16,000 To 32,000, Deduct	-1.43	
			For >32,000, Deduct	-2.05	
32 12 16 13-0019			<b>Hand Placed, Hot Mix Asphalt (HMA)</b> (32 12 16 13)		
32 12 16 13-0020	TON		Hand Placed Hot Mixed Asphalt 3,954 LB/CY .....172.89 Note: For small areas not reachable by machine. Includes placement, rolling, finishing and sweeping.		
<b>32 12 16 19</b>			<b>Cold-Mix Asphalt Paving</b> (32 12 16)		
			Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.		
32 12 16 19-0001			<b>Cold Mix Asphalt (CMA) Pavement</b> (32 12 16 19)		
			Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.		
32 12 16 19-0002	SY		Cold Laid Asphalt Pavement, Traveling Plant Mixed In Windrows, Compacted 4" Course.....6.59		
32 12 16 19-0003	SY		Cold Laid Asphalt Pavement, Rotary Plant Mixed In Place, Compacted 4" Course.....6.43		
32 12 16 19-0004	SY		Cold Laid Asphalt Pavement, Central Stationary Plant, Mixed, Compacted 4" Course .....10.60		
<b>32 12 16 39</b>			<b>Paving Fabrics</b> (32 12 16)		
			See CSI section 31 32 19 16-0000 for geotextile fabric.		
32 12 16 39-0001	SY		3.6 Oz/SY, 90 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-38A/O) .....0.84		
			For Up To 50, Add	0.19	
			For >50 To 150, Add	0.14	
			For >150 To 250, Add	0.09	
			For >250 To 500, Add	0.05	
32 12 16 39-0002	SY		4.1 Oz/SY, 101 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-42 A/O) .....0.91		
			For Up To 50, Add	0.20	
			For >50 To 150, Add	0.15	
			For >150 To 250, Add	0.10	
			For >250 To 500, Add	0.05	
<b>32 12 16 43</b>			<b>Waterproofing Membranes</b> (32 12 16)		
32 12 16 43-0001			<b>Waterproofing Membranes</b> (32 12 16 43)		
32 12 16 43-0002	SY		Up To 500 SY, Preformed Rubberized Asphalt Membrane .....18.72		
32 12 16 43-0003	SY		>500 To 1,000 SY, Preformed Rubberized Asphalt Membrane .....13.99		
32 12 16 43-0004	SY		>1,000 SY, Preformed Rubberized Asphalt Membrane .....8.62		
<b>32 12 33</b>			<b>Flexible Paving Surface Treatments</b> (32 12)		
32 12 33 00-0001			<b>Bituminous Surface Treatment For Roadways</b> (32 12 33)		
			Note: 0.25 Gal bitumen per SY and 30 lb of gravel/SY.		
32 12 33 00-0002	SY		Single Course Bituminous Treatment, Prepare And Clean Surface Roadway .....1.66		
32 12 33 00-0003	SY		Double Course Bituminous Treatment, Prepare And Clean Surface Roadway .....2.99		
32 12 33 00-0004			<b>Bituminous Surface Treatment For Trails</b> (32 12 33)		
			Note: 0.25 Gal bitumen per SY and 20 lb of gravel/SY.		
32 12 33 00-0005	SY		Bituminous Surface Treatment, For Trails .....1.11		
<b>32 12 36</b>			<b>Seal Coats</b> (32 12)		
			See CSI section 32 01 13 62-0000 for slurry seal.		
<b>32 12 36 13</b>			<b>Asphaltic Seal and Fog Coats</b> (32 12 36)		
32 12 36 13-0001			<b>Asphalt Emulsion Seal Coat (Chip Seal)</b> (32 12 36 13)		
			Note: Includes initial sweeping prior to placement, cleaning of area, rolling and final sweeping. Excludes crack repair, fog sealer, and any additional consecutive days sweeping following final sweeping.		
32 12 36 13-0002			<b>Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)</b> (32 12 36 13-0001)		
			Note: 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.		
32 12 36 13-0003	SY		Up To 200 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....2.19		
			For Each Additional 0.5% Latex Additive, Add	0.19	
32 12 36 13-0004	SY		>200 To 500 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....2.09		
			For Each Additional 0.5% Latex Additive, Add	0.19	
32 12 36 13-0005	SY		>500 To 1,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....2.01		
			For Each Additional 0.5% Latex Additive, Add	0.19	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 13-0006	SY		>1,000 To 5,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	1.92	
			<i>For Each Additional 0.5% Latex Additive, Add</i>	0.19	
32 12 36 13-0007	SY		>5,000 To 10,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	1.88	
			<i>For Each Additional 0.5% Latex Additive, Add</i>	0.19	
32 12 36 13-0008	SY		>10,000 To 20,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	1.84	
			<i>For Each Additional 0.5% Latex Additive, Add</i>	0.19	
32 12 36 13-0009	SY		>20,000 To 50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	1.80	
			<i>For Each Additional 0.5% Latex Additive, Add</i>	0.19	
32 12 36 13-0010	SY		>50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	1.78	
			<i>For Each Additional 0.5% Latex Additive, Add</i>	0.19	
<b>32 12 36 13-0011</b>			<b>Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)</b>		
			<small>(32 12 36 13-0001)</small>		
			Note: 16 to 25 Pounds Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.		
32 12 36 13-0012	SY		Up To 200 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	2.60	
			<i>For Each Additional 0.5% Latex Additive, Add</i>	0.24	
32 12 36 13-0013	SY		>200 To 500 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	2.47	
			<i>For Each Additional 0.5% Latex Additive, Add</i>	0.24	
32 12 36 13-0014	SY		>500 To 1,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	2.37	
			<i>For Each Additional 0.5% Latex Additive, Add</i>	0.24	
32 12 36 13-0015	SY		>1,000 To 5,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	2.34	
			<i>For Each Additional 0.5% Latex Additive, Add</i>	0.24	
32 12 36 13-0016	SY		>5,000 To 10,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	2.20	
			<i>For Each Additional 0.5% Latex Additive, Add</i>	0.24	
32 12 36 13-0017	SY		>10,000 To 20,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	2.12	
			<i>For Each Additional 0.5% Latex Additive, Add</i>	0.24	
32 12 36 13-0018	SY		>20,000 To 50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	2.06	
			<i>For Each Additional 0.5% Latex Additive, Add</i>	0.24	
32 12 36 13-0019	SY		>50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	2.04	
			<i>For Each Additional 0.5% Latex Additive, Add</i>	0.24	
<b>32 12 36 13-0020</b>			<b>Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)</b>		
			<small>(32 12 36 13-0001)</small>		
			Note: 20 to 30 Pounds Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 13-0021	SY		Up To 200 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	2.94	
			<i>For Each Additional 0.5% Latex Additive, Add</i>	0.28	
32 12 36 13-0022	SY		>200 To 500 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	2.77	
			<i>For Each Additional 0.5% Latex Additive, Add</i>	0.28	
32 12 36 13-0023	SY		>500 To 1,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	2.65	
			<i>For Each Additional 0.5% Latex Additive, Add</i>	0.28	
32 12 36 13-0024	SY		>1,000 To 5,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	2.50	
			<i>For Each Additional 0.5% Latex Additive, Add</i>	0.28	
32 12 36 13-0025	SY		>5,000 To 10,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	2.42	
			<i>For Each Additional 0.5% Latex Additive, Add</i>	0.28	
32 12 36 13-0026	SY		>10,000 To 20,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	2.31	
			<i>For Each Additional 0.5% Latex Additive, Add</i>	0.28	
32 12 36 13-0027	SY		>20,000 To 50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	2.23	
			<i>For Each Additional 0.5% Latex Additive, Add</i>	0.28	
32 12 36 13-0028	SY		>50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	2.21	
			<i>For Each Additional 0.5% Latex Additive, Add</i>	0.28	
<b>32 12 36 13-0029</b>			<b>Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)</b>		
			<small>(32 12 36 13-0001)</small>		
			Note: 23 to 35 Pounds Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 13-0030	SY		Up To 200 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	2.98	
			<i>For Each Additional 0.5% Latex Additive, Add</i>	0.32	
32 12 36 13-0031	SY		>200 To 500 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	2.82	
			<i>For Each Additional 0.5% Latex Additive, Add</i>	0.32	
32 12 36 13-0032	SY		>500 To 1,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	2.69	
			<i>For Each Additional 0.5% Latex Additive, Add</i>	0.32	
32 12 36 13-0033	SY		>1,000 To 5,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	2.55	
			<i>For Each Additional 0.5% Latex Additive, Add</i>	0.32	
32 12 36 13-0034	SY		>5,000 To 10,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	2.47	
			<i>For Each Additional 0.5% Latex Additive, Add</i>	0.32	
32 12 36 13-0035	SY		>10,000 To 20,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	2.40	
			<i>For Each Additional 0.5% Latex Additive, Add</i>	0.32	
32 12 36 13-0036	SY		>20,000 To 50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	2.28	
			<i>For Each Additional 0.5% Latex Additive, Add</i>	0.32	
32 12 36 13-0037	SY		>50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	2.26	
			<i>For Each Additional 0.5% Latex Additive, Add</i>	0.32	
<b>32 12 36 13-0038</b>			<b>Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)</b>		
			<small>(32 12 36 13-0001)</small>		
			Note: First coat 23 to 30 Pounds Per SY of 1/2" No. 4 with 0.20 to 0.35 gallons asphalt emulsion per SY, Second coat 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.20 to 0.30 gallons asphalt emulsion per SY.		
32 12 36 13-0039	SY		Up To 200 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	4.69	
			<i>For Each Additional 0.5% Latex Additive, Add</i>	0.47	
32 12 36 13-0040	SY		>200 To 500 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	4.43	
			<i>For Each Additional 0.5% Latex Additive, Add</i>	0.47	
32 12 36 13-0041	SY		>500 To 1,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	4.23	
			<i>For Each Additional 0.5% Latex Additive, Add</i>	0.47	



<b>32</b>	<b>Exterior Improvements</b>
<b>32 10</b>	<b>Bases, Ballasts, And Paving</b>
<b>32 12</b>	<b>Flexible Paving</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 13-0042 SY >1,000 To 5,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	3.99	
For Each Additional 0.5% Latex Additive, Add	0.47	
32 12 36 13-0043 SY >5,000 To 10,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	3.87	
For Each Additional 0.5% Latex Additive, Add	0.47	
32 12 36 13-0044 SY >10,000 To 20,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	3.72	
For Each Additional 0.5% Latex Additive, Add	0.47	
32 12 36 13-0045 SY >20,000 To 50,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	3.59	
For Each Additional 0.5% Latex Additive, Add	0.47	
32 12 36 13-0046 SY >50,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	3.55	
For Each Additional 0.5% Latex Additive, Add	0.47	
<b>32 12 36 13-0047 Fog Seal, CQS-1h</b> <small>(32 12 36 13)</small>		
Note: A fog seal is a light application of diluted, slow-setting asphalt emulsion without aggregate cover. Includes sweeping and cleaning of area.		
32 12 36 13-0048 SY Up To 200 SY, CQS-1h, Fog Seal .....	0.89	
32 12 36 13-0049 SY >200 To 500 SY, CQS-1h, Fog Seal .....	0.63	
32 12 36 13-0050 SY >500 To 1,000 SY, CQS-1h, Fog Seal .....	0.52	
32 12 36 13-0051 SY >1,000 To 5,000 SY, CQS-1h, Fog Seal .....	0.44	
32 12 36 13-0052 SY >5,000 To 10,000 SY, CQS-1h, Fog Seal .....	0.40	
32 12 36 13-0053 SY >10,000 To 20,000 SY, CQS-1h, Fog Seal .....	0.36	
32 12 36 13-0054 SY >20,000 To 50,000 SY, CQS-1h, Fog Seal .....	0.33	
32 12 36 13-0055 SY >50,000 SY, CQS-1h, Fog Seal .....	0.32	
<b>32 12 36 13-0056 Sand Sealer</b> <small>(32 12 36 13)</small>		
Note: A sand seal is an application of asphalt binder followed by placement of a layer of sand or fine aggregate, and then rolled to embed the sand or fine aggregate into the binder. Includes sweeping and cleaning of area.		
32 12 36 13-0057 SY Up To 200 SY, Sand Seal .....	1.44	
32 12 36 13-0058 SY >200 To 500 SY, Sand Seal .....	0.94	
32 12 36 13-0059 SY >500 To 1,000 SY, Sand Seal .....	0.94	
32 12 36 13-0060 SY >1,000 To 5,000 SY, Sand Seal .....	0.83	
32 12 36 13-0061 SY >5,000 To 10,000 SY, Sand Seal .....	0.77	
32 12 36 13-0062 SY >10,000 To 20,000 SY, Sand Seal .....	0.72	
32 12 36 13-0063 SY >20,000 To 50,000 SY, Sand Seal .....	0.68	
32 12 36 13-0064 SY >50,000 SY, Sand Seal .....	0.67	
<b>32 12 43 Porous Flexible Paving</b> <small>(32 12)</small>		
<b>32 12 43 00-0001 Flexible Recycled Plastic Porous Grid</b> <small>(32 12 43)</small>		
Note: Includes sand fill in rings. Excludes base, earth work and grass or sod.		
32 12 43 00-0002 SY 1" Thick, Recycled Plastic Flexible Pavement With Sand Fill .....	21.33	
Note: Includes sand fill in rings. Excludes base, earth work and grass or sod. Invisible Structures, Inc.; Grasspave2.		
For Up To 100, Add	6.87	
For >100 To 500, Add	1.68	
For >1,000 To 5,000, Deduct	-0.62	
For >5,000, Deduct	-1.38	
<b>32 12 73 Asphalt Paving Joint Sealants</b> <small>(32 12)</small>		
<b>32 12 73 00-0001 Expansion Joint In Sidewalk</b> <small>(32 12 73)</small>		
32 12 73 00-0002 LF For Hot Asphalt Poured Over Expansion Joint In Sidewalk .....	2.08	
<b>32 13 Rigid Paving</b> <small>(32 10)</small>		
<b>32 13 13 Concrete Paving</b> <small>(32 13)</small>		
Note: The following section includes spreading and placing delivered Portland cement concrete mix.		
<b>32 13 13 33 Plain Concrete Paving</b> <small>(32 13 13)</small>		
<b>32 13 13 33-0001 Concrete Paving Assemblies</b> <small>(32 13 13 33)</small>		
Note: Includes forms, wire mesh (where necessary), two mat layers #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float and finish. Excludes excavation, base and earthwork. Includes concrete paving machine. To be used for roadways, driveways, parking areas, or other areas of vehicular traffic. See CSI section 03 05 13 00-0001 for color additive.		
32 13 13 33-0002 4,500 PSI Concrete Paving Assembly <small>(32 13 13 33-0001)</small>		



		<b>Exterior Improvements</b>	<b>32</b>
		<b>Bases, Ballasts, And Paving</b>	<b>32 10</b>
		<b>Rigid Paving</b>	<b>32 13</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0003	SY		4" 4,500 PSI Concrete Paving Assembly.....	49.94	
			<i>For 2,500 PSI Concrete, Deduct</i>	-4.11	
			<i>For 3,000 PSI Concrete, Deduct</i>	-2.68	
			<i>For 3,500 PSI Concrete, Deduct</i>	-2.15	
			<i>For 4,000 PSI Concrete, Deduct</i>	-0.93	
			<i>For 5,000 PSI Concrete, Add</i>	0.57	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	4.65	
			<i>For &lt;12' Wide Pass, Add</i>	7.12	
			<i>For 24' Or Greater Wide Pass, Deduct</i>	-9.99	
			<i>For Air Entrainment, Add</i>	1.79	
			<i>For Slipforming, Deduct</i>	-4.99	
			<i>For Up To 100, Add</i>	15.66	
			<i>For &gt;100 To 250, Add</i>	9.62	
			<i>For &gt;250 To 500, Add</i>	4.81	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-1.79	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-3.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-4.28	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-5.53	
			<i>For &gt;20,000, Deduct</i>	-6.78	
32 13 13 33-0004	SY		5" 4,500 PSI Concrete Paving Assembly.....	60.65	
			<i>For 2,500 PSI Concrete, Deduct</i>	-5.16	
			<i>For 3,000 PSI Concrete, Deduct</i>	-3.37	
			<i>For 3,500 PSI Concrete, Deduct</i>	-2.69	
			<i>For 4,000 PSI Concrete, Deduct</i>	-1.17	
			<i>For 5,000 PSI Concrete, Add</i>	0.72	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	5.83	
			<i>For &lt;12' Wide Pass, Add</i>	8.43	
			<i>For 24' Or Greater Wide Pass, Deduct</i>	-12.13	
			<i>For Air Entrainment, Add</i>	2.24	
			<i>For Slipforming, Deduct</i>	-6.07	
			<i>For Up To 100, Add</i>	18.44	
			<i>For &gt;100 To 250, Add</i>	11.46	
			<i>For &gt;250 To 500, Add</i>	5.73	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-2.24	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-3.76	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-5.28	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-6.79	
			<i>For &gt;20,000, Deduct</i>	-8.31	
32 13 13 33-0005	SY		6" 4,500 PSI Concrete Paving Assembly.....	64.42	
			<i>For 2,500 PSI Concrete, Deduct</i>	-5.44	
			<i>For 3,000 PSI Concrete, Deduct</i>	-3.55	
			<i>For 3,500 PSI Concrete, Deduct</i>	-2.84	
			<i>For 4,000 PSI Concrete, Deduct</i>	-1.23	
			<i>For 5,000 PSI Concrete, Add</i>	0.76	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	6.15	
			<i>For &lt;12' Wide Pass, Add</i>	9.01	
			<i>For 24' Or Greater Wide Pass, Deduct</i>	-12.88	
			<i>For Air Entrainment, Add</i>	2.37	
			<i>For Slipforming, Deduct</i>	-6.44	
			<i>For Up To 100, Add</i>	19.72	
			<i>For &gt;100 To 250, Add</i>	12.23	
			<i>For &gt;250 To 500, Add</i>	6.11	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-2.37	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-3.98	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-5.59	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-7.20	
			<i>For &gt;20,000, Deduct</i>	-8.81	
32 13 13 33-0006	SY		7" 4,500 PSI Concrete Paving Assembly.....	78.61	
			<i>For 2,500 PSI Concrete, Deduct</i>	-6.86	
			<i>For 3,000 PSI Concrete, Deduct</i>	-4.48	
			<i>For 3,500 PSI Concrete, Deduct</i>	-3.58	
			<i>For 4,000 PSI Concrete, Deduct</i>	-1.55	
			<i>For 5,000 PSI Concrete, Add</i>	0.95	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	7.76	
			<i>For &lt;12' Wide Pass, Add</i>	10.70	
			<i>For 24' Or Greater Wide Pass, Deduct</i>	-15.72	
			<i>For Air Entrainment, Add</i>	2.98	
			<i>For Slipforming, Deduct</i>	-7.86	
			<i>For Up To 100, Add</i>	23.29	
			<i>For &gt;100 To 250, Add</i>	14.63	
			<i>For &gt;250 To 500, Add</i>	7.32	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-2.98	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-4.95	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-6.91	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-8.88	
			<i>For &gt;20,000, Deduct</i>	-10.85	

**32 Exterior Improvements**  
**32 10 Bases, Ballasts, And Paving**  
**32 13 Rigid Paving**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0007	SY	8"	4,500 PSI Concrete Paving Assembly .....	88.22	
			<i>For 2,500 PSI Concrete, Deduct</i>	-7.53	
			<i>For 3,000 PSI Concrete, Deduct</i>	-4.91	
			<i>For 3,500 PSI Concrete, Deduct</i>	-3.93	
			<i>For 4,000 PSI Concrete, Deduct</i>	-1.70	
			<i>For 5,000 PSI Concrete, Add</i>	1.05	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	8.52	
			<i>For &lt;12' Wide Pass, Add</i>	12.23	
			<i>For 24' Or Greater Wide Pass, Deduct</i>	-17.64	
			<i>For Air Entrainment, Add</i>	3.28	
			<i>For Slipforming, Deduct</i>	-8.82	
			<i>For Up To 100, Add</i>	26.73	
			<i>For &gt;100 To 250, Add</i>	16.64	
			<i>For &gt;250 To 500, Add</i>	8.32	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-3.28	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-5.48	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-7.69	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-9.89	
			<i>For &gt;20,000, Deduct</i>	-12.10	
32 13 13 33-0008	SY	9"	4,500 PSI Concrete Paving Assembly .....	100.78	
			<i>For 2,500 PSI Concrete, Deduct</i>	-8.71	
			<i>For 3,000 PSI Concrete, Deduct</i>	-5.68	
			<i>For 3,500 PSI Concrete, Deduct</i>	-4.54	
			<i>For 4,000 PSI Concrete, Deduct</i>	-1.97	
			<i>For 5,000 PSI Concrete, Add</i>	1.21	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	9.84	
			<i>For &lt;12' Wide Pass, Add</i>	13.84	
			<i>For 24' Or Greater Wide Pass, Deduct</i>	-20.16	
			<i>For Air Entrainment, Add</i>	3.79	
			<i>For Slipforming, Deduct</i>	-10.08	
			<i>For Up To 100, Add</i>	30.19	
			<i>For &gt;100 To 250, Add</i>	18.88	
			<i>For &gt;250 To 500, Add</i>	9.44	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-3.79	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-6.30	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-8.82	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-11.34	
			<i>For &gt;20,000, Deduct</i>	-13.86	
32 13 13 33-0009	SY	10"	4,500 PSI Concrete Paving Assembly .....	111.66	
			<i>For 2,500 PSI Concrete, Deduct</i>	-9.58	
			<i>For 3,000 PSI Concrete, Deduct</i>	-6.25	
			<i>For 3,500 PSI Concrete, Deduct</i>	-5.00	
			<i>For 4,000 PSI Concrete, Deduct</i>	-2.17	
			<i>For 5,000 PSI Concrete, Add</i>	1.33	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	10.83	
			<i>For &lt;12' Wide Pass, Add</i>	15.42	
			<i>For 24' Or Greater Wide Pass, Deduct</i>	-22.33	
			<i>For Air Entrainment, Add</i>	4.16	
			<i>For Slipforming, Deduct</i>	-11.17	
			<i>For Up To 100, Add</i>	33.69	
			<i>For &gt;100 To 250, Add</i>	21.01	
			<i>For &gt;250 To 500, Add</i>	10.50	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-4.16	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-6.96	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-9.75	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-12.54	
			<i>For &gt;20,000, Deduct</i>	-15.33	
32 13 13 33-0010	SY	12"	4,500 PSI Concrete Paving Assembly .....	132.68	
			<i>For 2,500 PSI Concrete, Deduct</i>	-11.34	
			<i>For 3,000 PSI Concrete, Deduct</i>	-7.40	
			<i>For 3,500 PSI Concrete, Deduct</i>	-5.92	
			<i>For 4,000 PSI Concrete, Deduct</i>	-2.56	
			<i>For 5,000 PSI Concrete, Add</i>	1.58	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	12.82	
			<i>For &lt;12' Wide Pass, Add</i>	18.38	
			<i>For 24' Or Greater Wide Pass, Deduct</i>	-26.54	
			<i>For Air Entrainment, Add</i>	4.93	
			<i>For Slipforming, Deduct</i>	-13.27	
			<i>For Up To 100, Add</i>	40.17	
			<i>For &gt;100 To 250, Add</i>	25.01	
			<i>For &gt;250 To 500, Add</i>	12.51	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-4.93	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-8.25	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-11.56	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-14.88	
			<i>For &gt;20,000, Deduct</i>	-18.20	



<b>Exterior Improvements</b>		<b>32</b>
<b>Bases, Ballasts, And Paving</b>		<b>32 10</b>
<b>Rigid Paving</b>		<b>32 13</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0011 SY 15" 4,500 PSI Concrete Paving Assembly.....	166.30	
For 2,500 PSI Concrete, Deduct	-13.92	
For 3,000 PSI Concrete, Deduct	-9.08	
For 3,500 PSI Concrete, Deduct	-7.26	
For 4,000 PSI Concrete, Deduct	-3.15	
For 5,000 PSI Concrete, Add	1.94	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.74	
For <12' Wide Pass, Add	23.41	
For 24' Or Greater Wide Pass, Deduct	-33.26	
For Air Entrainment, Add	6.05	
For Slipforming, Deduct	-16.63	
For Up To 100, Add	51.35	
For >100 To 250, Add	31.73	
For >250 To 500, Add	15.86	
For >1,000 To 2,000, Deduct	-6.05	
For >2,000 To 5,000, Deduct	-10.21	
For >5,000 To 10,000, Deduct	-14.37	
For >10,000 To 20,000, Deduct	-18.53	
For >20,000, Deduct	-22.68	
<b>32 13 16 Decorative Concrete Paving (32 13)</b>		
<b>32 13 16 13 Patterned Concrete Paving (32 13 16)</b>		
See CSI section 32 17 26 00-0000 for tactile warning surfaces.		
32 13 16 13-0001 SF For Patterned (Tactile) Finish In Concrete Sidewalk.....	2.09	
<b>32 13 43 Pervious Concrete Paving (32 13)</b>		
<b>32 13 43 00-0001 Pervious Concrete Assembly (32 13 43)</b>		
Note: Pervious concrete is a special concrete mix with high porosity that allows water to pass through it. For paving and sidewalks.		
32 13 43 00-0002 SF 6" Thick Pervious Concrete Paving.....	8.91	
Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.		
For >5,000 To 30,000, Deduct	-0.93	
For >30,000 To 100,000, Deduct	-1.67	
For >100,000, Deduct	-2.07	
32 13 43 00-0003 SF 9" Thick Pervious Concrete Paving.....	11.48	
Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.		
For >5,000 To 30,000, Deduct	-1.16	
For >30,000 To 100,000, Deduct	-2.04	
For >100,000, Deduct	-2.54	
<b>32 13 73 Concrete Paving Joint Sealants (32 13)</b>		
<b>32 13 73 13 Fuel-Resistant Concrete Paving Joint Sealants (32 13 73)</b>		
<b>32 13 73 13-0001 Concrete Pavement Joint And Crack Repair (32 13 73 13)</b>		
Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.		
32 13 73 13-0002 LF Pavement Sealing, Roads Resealing Joints In Concrete Pavements For Roads.....	4.21	
<b>32 13 73 16 Field-Molded Concrete Paving Joint Sealants (32 13 73)</b>		
<b>32 13 73 16-0001 Preformed Elastomeric Concrete Pavement Joint And Crack Repair (32 13 73 16)</b>		
Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.		
32 13 73 16-0002 LF Joint Sealing, Concrete Pavement Preformed Elastomeric.....	6.24	
<b>32 13 73 19 Compression Concrete Paving Joint Sealants (32 13 73)</b>		
<b>32 13 73 19-0001 Silicone Joint Sealant For Concrete Pavement (32 13 73 19)</b>		
Note: Installation includes high pressure water wash, sand blast, sweeping, cleaning area, backer rod and Dow Corning 888 silicone sealant. Demolition includes removal of existing material where saw cutting is not required. Excludes saw cutting.		
32 13 73 19-0002 LF 1/4" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement.....	4.94	1.14
32 13 73 19-0003 LF 3/8" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement.....	5.20	1.17
32 13 73 19-0004 LF 1/2" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement.....	5.49	1.19
32 13 73 19-0005 LF 3/4" x 3/8" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement.....	6.47	1.21
32 13 73 19-0006 LF 1" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement.....	7.72	1.25
32 13 73 19-0007 LF 1-1/2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement.....	9.40	1.27
32 13 73 19-0008 LF 2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement.....	11.90	1.29
<b>32 14 Unit Paving (32 10)</b>		
<b>32 14 09 Paver Restraints (32 14)</b>		
<b>32 14 09 00-0001 Paver Restraints (32 14 09)</b>		
Note: Paver restraints are used along the edge of a group of pavers as a locking border. Flexible or rigid sections. Includes stakes and connecting devices. Excludes pavers, bedding, excavation, base course and compaction.		

**32 Exterior Improvements**  
**32 10 Bases, Ballasts, And Paving**  
**32 14 Unit Paving**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 09 00-0002	LF		Up To 2" Height, Vinyl Paver Restraint .....	2.64	0.49
			<i>For &gt;1,000 To 2,000, Deduct</i>	-0.41	
			<i>For &gt;2,000 To 4,000, Deduct</i>	-0.59	
			<i>For &gt;4,000, Deduct</i>	-0.76	
32 14 09 00-0003	LF		Up To 2" Height, Galvanized Steel Paver Restraint .....	2.88	0.49
			<i>For &gt;500 To 1,000, Deduct</i>	-0.10	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-0.21	
			<i>For &gt;2,000, Deduct</i>	-0.31	
32 14 09 00-0004	LF		Up To 1" Height, Aluminum Paver Restraint .....	2.76	0.49
			<i>For &gt;250 To 500, Deduct</i>	-0.20	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.30	
			<i>For &gt;1,000 To 1,500, Deduct</i>	-0.49	
32 14 09 00-0005	LF		>1" To 2" Height, Aluminum Paver Restraint .....	3.31	0.49
			<i>For &gt;250 To 500, Deduct</i>	-0.25	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.38	
			<i>For &gt;1,000 To 1,500, Deduct</i>	-0.63	
32 14 09 00-0006	LF		>2" To 3" Height, Aluminum Paver Restraint .....	4.37	0.49
			<i>For &gt;250 To 500, Deduct</i>	-0.36	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.54	
			<i>For &gt;1,000 To 1,500, Deduct</i>	-0.90	
32 14 09 00-0007	LF		>3" To 4" Height, Aluminum Paver Restraint .....	5.19	0.49
			<i>For &gt;250 To 500, Deduct</i>	-0.44	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.66	
			<i>For &gt;1,000 To 1,500, Deduct</i>	-1.10	

**32 14 11 Bedding For Unit Paving (32 14)**

**32 14 11 00-0001 Bedding For Brick, Precast Concrete Paver And Stone Sidewalk (32 14 11)**

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. See CSI section 01 74 19 00-0032 for hauling greater than 15 miles.

32 14 11 00-0002	SF		1" To 2" Sand Bedding, Screeded .....	0.62	
			<i>For Up To 100, Add</i>	0.25	
			<i>For &gt;100 To 500, Add</i>	0.07	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000, Deduct</i>	-0.07	
32 14 11 00-0003	SF		1" To 2" Stone Dust Bedding, Screeded .....	0.82	
			<i>For Up To 100, Add</i>	0.30	
			<i>For &gt;100 To 500, Add</i>	0.08	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000, Deduct</i>	-0.07	
32 14 11 00-0004	SF		3" Stone Dust Bedding, Screeded .....	1.10	
			<i>For Up To 100, Add</i>	0.39	
			<i>For &gt;100 To 500, Add</i>	0.10	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000, Deduct</i>	-0.09	
32 14 11 00-0005	SF		4" Stone Dust Bedding, Screeded .....	1.42	
			<i>For Up To 100, Add</i>	0.50	
			<i>For &gt;100 To 500, Add</i>	0.13	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.06	
			<i>For &gt;5,000, Deduct</i>	-0.11	
32 14 11 00-0006	SF		1" Mortar Bedding .....	2.03	
			<i>For Up To 100, Add</i>	0.83	
			<i>For &gt;100 To 500, Add</i>	0.23	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.13	
			<i>For &gt;5,000, Deduct</i>	-0.21	
32 14 11 00-0007	SF		2" Mortar Bedding .....	3.21	
			<i>For Up To 100, Add</i>	1.23	
			<i>For &gt;100 To 500, Add</i>	0.33	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.17	
			<i>For &gt;5,000, Deduct</i>	-0.30	
32 14 11 00-0008	SF		Thin-Set Latex Portland Cement Mortar .....	0.98	
			<i>For Up To 100, Add</i>	0.42	
			<i>For &gt;100 To 500, Add</i>	0.12	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.07	
			<i>For &gt;5,000, Deduct</i>	-0.11	

**32 14 13 Precast Concrete Unit Paving (32 14)**

**32 14 13 16 Precast Concrete Unit Paving Slabs (32 14 13)**

**32 14 13 16-0001 Precast Concrete Paver Sidewalk (32 14 13 16)**

Note: Square, rectangular, or interlocking pervious pavers. Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 13 16-0002	SF		2-3/8" Thick, Up To 32 Sl Precast Concrete Paver .....	9.27	1.59
			Note: Includes 2-1/2" x 5", 4" x 4", 4" x 6", 5" x 5", 4" x 8" and other similar size pavers.		
			<i>For 2-3/4" Concrete Paver, Add</i>	1.07	
			<i>For 3-1/8" Concrete Paver, Add</i>	1.76	
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.62	
			<i>For Up To 100, Add</i>	3.12	
			<i>For &gt;100 To 500, Add</i>	0.78	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.32	
			<i>For &gt;5,000, Deduct</i>	-0.66	



		<b>Exterior Improvements</b>	<b>32</b>
		<b>Bases, Ballasts, And Paving</b>	<b>32 10</b>
		<b>Unit Paving</b>	<b>32 14</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 13 16-0003 SF 2-3/8" Thick, >32 to 64 SI Precast Concrete Paver ..... Note: Includes 5" x 7", 6" x 6", 8" x 8" and other similar size pavers. <i>For 2-3/4" Concrete Paver, Add</i> <i>For 3-1/8" Concrete Paver, Add</i> <i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	8.98  1.06 1.74 0.59 2.97 0.74 -0.29 -0.62	1.46
32 14 13 16-0004 SF 2-3/8" Thick, >64 to 144 SI Precast Concrete Paver ..... Note: Includes 6" x 12", 12" x 12" and other similar size pavers. <i>For 2-3/4" Concrete Paver, Add</i> <i>For 3-1/8" Concrete Paver, Add</i> <i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	8.72  1.04 1.72 0.57 2.84 0.70 -0.27 -0.58	1.16
32 14 13 16-0005 SF 2-3/8" Thick, >144 SI Precast Concrete Paver ..... Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers. <i>For 2-3/4" Concrete Paver, Add</i> <i>For 3-1/8" Concrete Paver, Add</i> <i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	8.48  1.03 1.70 0.54 2.72 0.67 -0.24 -0.54	1.20
32 14 13 16-0006 SF 2-3/8" Thick, Precast Concrete Paver, Combinations And Patterns ..... Note: Patterns made by combining pavers from two or more size groups. <i>For 2-3/4" Concrete Paver, Add</i> <i>For 3-1/8" Concrete Paver, Add</i> <i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	8.85  1.05 1.73 0.58 2.91 0.72 -0.28 -0.60	1.39
<b>32 14 13 19 Porous Precast Concrete Unit Paving</b> <small>(32 14 13)</small>		
32 14 13 19-0001 Turf Block <small>(32 14 13 19)</small> Note: Grass grid, open-cell unit paver, geoblock.		
32 14 13 19-0002 SF 3-1/8" Thick, Precast Concrete Turf Block ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	6.51  2.32 0.60 -0.28 -0.53	1.39
<b>32 14 16 Brick Unit Paving</b> <small>(32 14)</small>		
32 14 16 00-0001 Brick Paver Sidewalk <small>(32 14 16)</small> Note: Includes sand joints. Excludes bedding, excavation, base course and compaction. See CSI section 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 16 00-0002 SF 4" x 8" x 2-1/4" Brick Paver, Laid Flat ..... <i>For 1-3/8" Thick Paver, Deduct</i> <i>For 2-3/4" Thick Paver (Vehicular), Add</i> <i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	8.11  -1.88 4.35 0.57 2.83 0.73 -0.32 -0.63	1.59
32 14 16 00-0003 SF 4" x 8" x 2-1/4" Brick, Laid On Edge ..... <i>For 1-3/8" Thick Paver, Deduct</i> <i>For 2-3/4" Thick Paver (Vehicular), Add</i> <i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	12.36  -3.23 7.62 0.80 4.00 0.98 -0.36 -0.81	1.82
<b>32 14 33 Plastic Paving</b> <small>(32 14)</small>		
32 14 33 00-0001 Turf Block Plastic Paving <small>(32 14 33)</small>		
32 14 33 00-0002 SF 4" Thick Recycled Polyvinyl Chloride (PVC) Plastic Turf Block ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	10.18  3.24 0.79 -0.28 -0.64	1.39
<b>32 14 40 Stone Paving</b> <small>(32 14)</small>		
32 14 40 00-0001 Slate Paver Sidewalk <small>(32 14 40)</small> Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		

**32 Exterior Improvements**  
**32 10 Bases, Ballasts, And Paving**  
**32 14 Unit Paving**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 40 00-0002	SF		1" Thick, Up to 54 SI Slate Paver..... Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 1/4" Thick Paver, Deduct For 1/2" Thick Paver, Deduct For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	13.08 0.79 -7.34 -5.20 3.93 0.92 -0.27 -0.71	1.33
32 14 40 00-0003	SF		1" Thick, >54 to 108 SI Slate Paver ..... Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 1/4" Thick Paver, Deduct For 1/2" Thick Paver, Deduct For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	12.84 0.76 -7.28 -5.16 3.81 0.88 -0.24 -0.67	1.20
32 14 40 00-0004	SF		1" Thick, >108 to 216 SI Slate Paver ..... Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 1/4" Thick Paver, Deduct For 1/2" Thick Paver, Deduct For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	12.42 0.72 -7.17 -5.10 3.60 0.82 -0.20 -0.61	1.00
32 14 40 00-0005	SF		1" Thick, >216 SI Slate Paver ..... Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 1/4" Thick Paver, Deduct For 1/2" Thick Paver, Deduct For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	12.24 0.70 -7.13 -5.07 3.51 0.79 -0.18 -0.58	0.91
32 14 40 00-0006	SF		1" Thick, Slate Paver, Combinations And Patterns..... Note: Patterns made by combining pavers from two or more size groups. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 1/4" Thick Paver, Deduct For 1/2" Thick Paver, Deduct For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	12.60 0.74 -7.22 -5.12 3.69 0.85 -0.22 -0.64	1.09
32 14 40 00-0007			<b>Granite Paver Sidewalk</b> <small>(32 14 40)</small> Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 40 00-0008	SF		1" Thick, Up to 54 SI Granite Paver ..... Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 2" Granite Paver, Add For 3" Granite Paver, Add For 4" Granite Paver, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	18.31 1.05 0.92 1.83 1.96 5.24 1.18 -0.27 -0.87	1.33
32 14 40 00-0009	SF		1" Thick, >54 to 108 SI Granite Paver..... Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 2" Granite Paver, Add For 3" Granite Paver, Add For 4" Granite Paver, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	18.07 1.02 0.90 1.81 1.93 5.12 1.14 -0.24 -0.83	1.20
32 14 40 00-0010	SF		1" Thick, >108 to 216 SI Granite Paver..... Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 2" Granite Paver, Add For 3" Granite Paver, Add For 4" Granite Paver, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	17.65 0.98 0.88 1.77 1.86 4.91 1.08 -0.20 -0.77	1.00



		<b>Exterior Improvements</b>	<b>32</b>
		<b>Bases, Ballasts, And Paving</b>	<b>32 10</b>
		Unit Paving	32 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 40 00-0011 SF 1" Thick, >216 SI Granite Paver .....	17.47	0.91
Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24" and other similar size pavers.		
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.96	
For 2" Granite Paver, Add	0.87	
For 3" Granite Paver, Add	1.75	
For 4" Granite Paver, Add	1.84	
For Up To 100, Add	4.82	
For >100 To 500, Add	1.05	
For >1,000 To 5,000, Deduct	-0.18	
For >5,000, Deduct	-0.74	
32 14 40 00-0012 SF 1" Thick, Granite Paver, Combinations And Patterns .....	17.83	1.09
Note: Patterns made by combining pavers from two or more size groups.		
For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.00	
For 2" Granite Paver, Add	0.89	
For 3" Granite Paver, Add	1.78	
For 4" Granite Paver, Add	1.89	
For Up To 100, Add	5.00	
For >100 To 500, Add	1.11	
For >1,000 To 5,000, Deduct	-0.22	
For >5,000, Deduct	-0.80	

**32 15 Aggregate Surfacing** (32 10)

**32 15 40 Crushed Stone Surfacing** (32 15)

Note: Includes delivery up to 15 miles from supplier, placement, rolling and compaction water. See CSI section 01 74 19 00-0032 for hauling greater than 15 miles.

32 15 40 00-0001 Gravel Surfacing And Spreading <small>(32 15 40)</small>		
Note: Includes delivered material, placement, rolling and compaction water.		
32 15 40 00-0002 CY Gravel Surfacing And Spreading .....	53.75	
32 15 40 00-0003 Limestone Screenings <small>(32 15 40)</small>		
Note: Includes delivered material, placement, rolling and compaction water. For trail maintenance.		
32 15 40 00-0004 CY Limestone Screenings For Trail .....	56.79	

**32 16 Curbs, Gutters, Sidewalks, And Driveways** (32 10)

**32 16 13 Curbs And Gutters** (32 16)

Note: Includes transitions. Demolition Includes two saw cuts (each end) of curbs and gutters for lengths up to 100'. See CSI section 02 41 19 13-0058 for additional saw cuts within the 100'.

**32 16 13 13 Cast-In-Place Concrete Curbs And Gutters** (32 16 13)

Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.

32 16 13 13-0001 Cast In Place Concrete Curbs <small>(32 16 13 13)</small>		
Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.		
32 16 13 13-0002 LF 6" x 12" Cast In Place Concrete Curb .....	10.30	3.92
For Up To 20, Add	5.20	
For >20 To 50, Add	2.91	
For >50 To 100, Add	1.14	
For >500 To 1,000, Deduct	-1.14	
For >1,000, Deduct	-1.97	
32 16 13 13-0003 LF 6" x 12" Cast In Place Concrete Curb - Radius .....	11.68	4.51
For Up To 20, Add	5.97	
For >20 To 50, Add	3.35	
For >50 To 100, Add	1.31	
For >500 To 1,000, Deduct	-1.31	
For >1,000, Deduct	-2.26	
32 16 13 13-0004 LF 6" x 14" Cast In Place Concrete Curb .....	11.39	3.92
For Up To 20, Add	5.71	
For >20 To 50, Add	3.20	
For >50 To 100, Add	1.26	
For >500 To 1,000, Deduct	-1.26	
For >1,000, Deduct	-2.17	
32 16 13 13-0005 LF 6" x 14" Cast In Place Concrete Curb - Radius .....	12.93	4.51
For Up To 20, Add	6.56	
For >20 To 50, Add	3.68	
For >50 To 100, Add	1.44	
For >500 To 1,000, Deduct	-1.44	
For >1,000, Deduct	-2.48	
32 16 13 13-0006 LF 6" x 16" Cast In Place Concrete Curb .....	12.76	3.92
For Up To 20, Add	6.28	
For >20 To 50, Add	3.51	
For >50 To 100, Add	1.38	
For >500 To 1,000, Deduct	-1.38	
For >1,000, Deduct	-2.40	
32 16 13 13-0007 LF 6" x 16" Cast In Place Concrete Curb - Radius .....	14.37	5.88
For Up To 20, Add	7.19	
For >20 To 50, Add	4.03	
For >50 To 100, Add	1.58	
For >500 To 1,000, Deduct	-1.58	
For >1,000, Deduct	-2.73	



**32 Exterior Improvements****32 10 Bases, Ballasts, And Paving****32 16 Curbs, Gutters, Sidewalks, And Driveways**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0008	LF		6" x 18" Cast In Place Concrete Curb .....	13.83	3.92
			<i>For Up To 20, Add</i>	6.73	
			<i>For &gt;20 To 50, Add</i>	3.76	
			<i>For &gt;50 To 100, Add</i>	1.48	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.48	
			<i>For &gt;1,000, Deduct</i>	-2.57	
32 16 13 13-0009	LF		6" x 18" Cast In Place Concrete Curb - Radius.....	15.51	4.51
			<i>For Up To 20, Add</i>	7.61	
			<i>For &gt;20 To 50, Add</i>	4.26	
			<i>For &gt;50 To 100, Add</i>	1.68	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.68	
			<i>For &gt;1,000, Deduct</i>	-2.90	
32 16 13 13-0010	LF		6" x 24" Cast In Place Concrete Curb .....	16.67	4.32
			<i>For Up To 20, Add</i>	7.69	
			<i>For &gt;20 To 50, Add</i>	4.28	
			<i>For &gt;50 To 100, Add</i>	1.71	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.71	
			<i>For &gt;1,000, Deduct</i>	-2.98	
32 16 13 13-0011	LF		6" x 24" Cast In Place Concrete Curb - Radius.....	18.56	4.90
			<i>For Up To 20, Add</i>	8.62	
			<i>For &gt;20 To 50, Add</i>	4.80	
			<i>For &gt;50 To 100, Add</i>	1.91	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.91	
			<i>For &gt;1,000, Deduct</i>	-3.33	
32 16 13 13-0012	LF		8" x 24" Cast In Place Concrete Curb .....	19.07	4.32
			<i>For Up To 20, Add</i>	8.17	
			<i>For &gt;20 To 50, Add</i>	4.52	
			<i>For &gt;50 To 100, Add</i>	1.83	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.83	
			<i>For &gt;1,000, Deduct</i>	-3.22	
32 16 13 13-0013	LF		8" x 24" Cast In Place Concrete Curb - Radius.....	21.18	4.90
			<i>For Up To 20, Add</i>	9.14	
			<i>For &gt;20 To 50, Add</i>	5.06	
			<i>For &gt;50 To 100, Add</i>	2.04	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.04	
			<i>For &gt;1,000, Deduct</i>	-3.59	
32 16 13 13-0014	LF		12" x 24" Cast In Place Concrete Curb .....	24.95	4.90
			<i>For Up To 20, Add</i>	9.90	
			<i>For &gt;20 To 50, Add</i>	5.44	
			<i>For &gt;50 To 100, Add</i>	2.23	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.23	
			<i>For &gt;1,000, Deduct</i>	-3.97	
32 16 13 13-0015	LF		12" x 24" Cast In Place Concrete Curb - Radius.....	27.63	5.50
			<i>For Up To 20, Add</i>	11.02	
			<i>For &gt;20 To 50, Add</i>	6.06	
			<i>For &gt;50 To 100, Add</i>	2.48	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.48	
			<i>For &gt;1,000, Deduct</i>	-4.41	
32 16 13 13-0016	EA		Additional Finish For Handicap Drop Section In Curb.....	29.43	
<b>32 16 13 13-0017</b>			<b>Cast In Place Concrete Curb And Gutter</b> <small>(32 16 13 13)</small>		
			Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.		
32 16 13 13-0018	LF		6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	15.62	5.25
			<i>For Up To 20, Add</i>	10.29	
			<i>For &gt;20 To 50, Add</i>	5.61	
			<i>For &gt;50 To 100, Add</i>	2.34	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.70	
			<i>For &gt;1,000, Deduct</i>	-2.94	
			<i>For Rolled Curb And Gutter</i>	0.57	
32 16 13 13-0019	LF		6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Radius .....	16.97	7.00
			<i>For Up To 20, Add</i>	11.19	
			<i>For &gt;20 To 50, Add</i>	6.10	
			<i>For &gt;50 To 100, Add</i>	2.55	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.86	
			<i>For &gt;1,000, Deduct</i>	-3.21	
			<i>For Rolled Curb And Gutter</i>	0.63	
32 16 13 13-0020	LF		6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	20.00	5.82
			<i>For Up To 20, Add</i>	13.16	
			<i>For &gt;20 To 50, Add</i>	7.16	
			<i>For &gt;50 To 100, Add</i>	3.00	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.16	
			<i>For &gt;1,000, Deduct</i>	-3.74	
			<i>For Rolled Curb And Gutter</i>	0.70	
32 16 13 13-0021	LF		6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Radius .....	21.94	6.48
			<i>For Up To 20, Add</i>	14.46	
			<i>For &gt;20 To 50, Add</i>	7.87	
			<i>For &gt;50 To 100, Add</i>	3.29	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.39	
			<i>For &gt;1,000, Deduct</i>	-4.13	
			<i>For Rolled Curb And Gutter</i>	0.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0022 LF 6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	24.38	7.00
<i>For Up To 20, Add</i>	16.03	
<i>For &gt;20 To 50, Add</i>	8.72	
<i>For &gt;50 To 100, Add</i>	3.66	
<i>For &gt;500 To 1,000, Deduct</i>	-2.62	
<i>For &gt;1,000, Deduct</i>	-4.54	
<i>For Rolled Curb And Gutter</i>	0.83	
32 16 13 13-0023 LF 6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	26.92	7.88
<i>For Up To 20, Add</i>	17.73	
<i>For &gt;20 To 50, Add</i>	9.65	
<i>For &gt;50 To 100, Add</i>	4.04	
<i>For &gt;500 To 1,000, Deduct</i>	-2.92	
<i>For &gt;1,000, Deduct</i>	-5.06	
<i>For Rolled Curb And Gutter</i>	0.96	
32 16 13 13-0024 LF 6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	28.99	8.31
<i>For Up To 20, Add</i>	19.06	
<i>For &gt;20 To 50, Add</i>	10.36	
<i>For &gt;50 To 100, Add</i>	4.35	
<i>For &gt;500 To 1,000, Deduct</i>	-3.11	
<i>For &gt;1,000, Deduct</i>	-5.40	
<i>For Rolled Curb And Gutter</i>	0.98	
32 16 13 13-0025 LF 6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	31.69	9.20
<i>For Up To 20, Add</i>	20.85	
<i>For &gt;20 To 50, Add</i>	11.35	
<i>For &gt;50 To 100, Add</i>	4.75	
<i>For &gt;500 To 1,000, Deduct</i>	-3.42	
<i>For &gt;1,000, Deduct</i>	-5.93	
<i>For Rolled Curb And Gutter</i>	1.11	
32 16 13 13-0026 LF 6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	33.60	9.64
<i>For Up To 20, Add</i>	22.09	
<i>For &gt;20 To 50, Add</i>	12.01	
<i>For &gt;50 To 100, Add</i>	5.04	
<i>For &gt;500 To 1,000, Deduct</i>	-3.61	
<i>For &gt;1,000, Deduct</i>	-6.25	
<i>For Rolled Curb And Gutter</i>	1.14	
32 16 13 13-0027 LF 6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	36.45	10.51
<i>For Up To 20, Add</i>	23.97	
<i>For &gt;20 To 50, Add</i>	13.04	
<i>For &gt;50 To 100, Add</i>	5.47	
<i>For &gt;500 To 1,000, Deduct</i>	-3.92	
<i>For &gt;1,000, Deduct</i>	-6.80	
<i>For Rolled Curb And Gutter</i>	1.25	
32 16 13 13-0028 LF 6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	38.19	10.95
<i>For Up To 20, Add</i>	25.10	
<i>For &gt;20 To 50, Add</i>	13.65	
<i>For &gt;50 To 100, Add</i>	5.73	
<i>For &gt;500 To 1,000, Deduct</i>	-4.10	
<i>For &gt;1,000, Deduct</i>	-7.10	
<i>For Rolled Curb And Gutter</i>	1.29	
32 16 13 13-0029 LF 6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	42.09	12.26
<i>For Up To 20, Add</i>	27.71	
<i>For &gt;20 To 50, Add</i>	15.08	
<i>For &gt;50 To 100, Add</i>	6.31	
<i>For &gt;500 To 1,000, Deduct</i>	-4.56	
<i>For &gt;1,000, Deduct</i>	-7.89	
<i>For Rolled Curb And Gutter</i>	1.49	

**32 16 13 14 Machine Formed, Slip Form Curbs** (32 16 13)

Note: Includes delivered concrete, steel, expansion joints and finish.

**32 16 13 14-0001 Curbs, Machine Formed, Slip Form** (32 16 13 14)

Note: Includes delivered concrete, steel, expansion joints and finish.

32 16 13 14-0002 JOB Machine Formed Concrete Curb Minimum Set-Up Charge .....	760.36	
<i>Note: For projects where the total curbing charge is less than the minimum set-up charge, use this task exclusively. This task shall not be used in conjunction with any other tasks in this section.</i>		
32 16 13 14-0003 LF 6" x 12" Straight Concrete Curb, Machine Formed.....	13.28	
32 16 13 14-0004 LF 6" x 12" Curved Concrete Curb, Machine Formed.....	16.43	
32 16 13 14-0005 LF 6" x 18" Straight Concrete Curb, Machine Formed.....	17.80	
32 16 13 14-0006 LF 6" x 18" Curved Concrete Curb, Machine Formed.....	20.95	

**32 16 13 16 Steel Faced Curbs** (32 16 13)

Note: Fabrication includes handicap and other curb access cuts.

**32 16 13 16-0001 Sidewalk/Curb Facing** (32 16 13 16)

Note: Fabrication includes handicap and other curb access cuts.

32 16 13 16-0002 LF 3" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center .....	11.26	2.72
<i>For Curved Section, Add</i>	2.14	
32 16 13 16-0003 LF 4" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center .....	12.28	3.09
<i>For Curved Section, Add</i>	2.39	
32 16 13 16-0004 LF 6" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center .....	17.18	3.46
<i>For Curved Section, Add</i>	3.02	
32 16 13 16-0005 LF 8" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center .....	21.45	3.89
<i>For Curved Section, Add</i>	3.60	
32 16 13 16-0006 LF 10" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center .....	26.67	4.27
<i>For Curved Section, Add</i>	4.26	

**32 Exterior Improvements****32 10 Bases, Ballasts, And Paving****32 16 Curbs, Gutters, Sidewalks, And Driveways**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 16-0007	LF		12" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center .....	35.01	5.44
			<i>For Curved Section, Add</i>	5.53	
32 16 13 16-0008	LF		13" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center .....	39.67	7.05
			<i>For Curved Section, Add</i>	6.60	
32 16 13 16-0009	EA		Sidewalk/Curb Steel Facing, Pedestrian Ramps, Two Drops Per Section.....	130.81	
<b>32 16 13 19 Cast-In-Place Concrete Drainage Ditches <sup>(32 16 13)</sup></b>					
Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.					
<b>32 16 13 19-0001 Valley Gutter, Cast In Place <sup>(32 16 13 19)</sup></b>					
Note: Includes concrete, forms, rebar, expansion joints, finish and curing.					
32 16 13 19-0002	LF		2' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	18.23	
			<i>For Up To 20, Add</i>	6.51	
			<i>For &gt;20 To 50, Add</i>	3.54	
			<i>For &gt;50 To 100, Add</i>	1.48	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.48	
			<i>For &gt;1,000, Deduct</i>	-2.68	
32 16 13 19-0003	LF		2-1/2' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	22.53	
			<i>For Up To 20, Add</i>	7.95	
			<i>For &gt;20 To 50, Add</i>	4.32	
			<i>For &gt;50 To 100, Add</i>	1.82	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.82	
			<i>For &gt;1,000, Deduct</i>	-3.29	
32 16 13 19-0004	LF		3' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	26.80	
			<i>For Up To 20, Add</i>	9.38	
			<i>For &gt;20 To 50, Add</i>	5.09	
			<i>For &gt;50 To 100, Add</i>	2.14	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.14	
			<i>For &gt;1,000, Deduct</i>	-3.88	
32 16 13 19-0005	LF		3-1/2' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	31.05	
			<i>For Up To 20, Add</i>	10.79	
			<i>For &gt;20 To 50, Add</i>	5.85	
			<i>For &gt;50 To 100, Add</i>	2.47	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.47	
			<i>For &gt;1,000, Deduct</i>	-4.48	
32 16 13 19-0006	LF		4' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	35.32	
			<i>For Up To 20, Add</i>	12.21	
			<i>For &gt;20 To 50, Add</i>	6.62	
			<i>For &gt;50 To 100, Add</i>	2.80	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.80	
			<i>For &gt;1,000, Deduct</i>	-5.08	
32 16 13 19-0007	LF		5' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	42.87	
			<i>For Up To 20, Add</i>	14.37	
			<i>For &gt;20 To 50, Add</i>	7.76	
			<i>For &gt;50 To 100, Add</i>	3.30	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.30	
			<i>For &gt;1,000, Deduct</i>	-6.03	
32 16 13 19-0008	LF		6' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	50.25	
			<i>For Up To 20, Add</i>	16.41	
			<i>For &gt;20 To 50, Add</i>	8.84	
			<i>For &gt;50 To 100, Add</i>	3.78	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.78	
			<i>For &gt;1,000, Deduct</i>	-6.93	
32 16 13 19-0009	SF		>6' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	8.37	
			<i>For Up To 100, Add</i>	2.73	
			<i>For &gt;100 To 250, Add</i>	1.47	
			<i>For &gt;250 To 500, Add</i>	0.63	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.63	
			<i>For &gt;5,000, Deduct</i>	-1.15	
32 16 13 19-0010	LF		2' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	20.43	
			<i>For Up To 20, Add</i>	7.10	
			<i>For &gt;20 To 50, Add</i>	3.85	
			<i>For &gt;50 To 100, Add</i>	1.62	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.62	
			<i>For &gt;1,000, Deduct</i>	-2.95	
32 16 13 19-0011	LF		2-1/2' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	25.35	
			<i>For Up To 20, Add</i>	8.75	
			<i>For &gt;20 To 50, Add</i>	4.74	
			<i>For &gt;50 To 100, Add</i>	2.00	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.00	
			<i>For &gt;1,000, Deduct</i>	-3.64	
32 16 13 19-0012	LF		3' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	30.06	
			<i>For Up To 20, Add</i>	10.25	
			<i>For &gt;20 To 50, Add</i>	5.55	
			<i>For &gt;50 To 100, Add</i>	2.35	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.35	
			<i>For &gt;1,000, Deduct</i>	-4.28	
32 16 13 19-0013	LF		3-1/2' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	34.85	
			<i>For Up To 20, Add</i>	11.80	
			<i>For &gt;20 To 50, Add</i>	6.38	
			<i>For &gt;50 To 100, Add</i>	2.71	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.71	
			<i>For &gt;1,000, Deduct</i>	-4.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 19-0014 LF 4' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	39.66	
For Up To 20, Add	13.37	
For >20 To 50, Add	7.23	
For >50 To 100, Add	3.07	
For >500 To 1,000, Deduct	-3.07	
For >1,000, Deduct	-5.60	
32 16 13 19-0015 LF 5' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	48.21	
For Up To 20, Add	15.75	
For >20 To 50, Add	8.49	
For >50 To 100, Add	3.63	
For >500 To 1,000, Deduct	-3.63	
For >1,000, Deduct	-6.65	
32 16 13 19-0016 LF 6' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	56.61	
For Up To 20, Add	18.03	
For >20 To 50, Add	9.69	
For >50 To 100, Add	4.17	
For >500 To 1,000, Deduct	-4.17	
For >1,000, Deduct	-7.67	
32 16 13 19-0017 SF >6' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	9.44	
For Up To 100, Add	3.01	
For >100 To 250, Add	1.62	
For >250 To 500, Add	0.70	
For >2,500 To 5,000, Deduct	-0.70	
For >5,000, Deduct	-1.28	
32 16 13 19-0018 LF 2' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	20.16	
For Up To 20, Add	7.20	
For >20 To 50, Add	3.92	
For >50 To 100, Add	1.64	
For >500 To 1,000, Deduct	-1.64	
For >1,000, Deduct	-2.97	
32 16 13 19-0019 LF 2-1/2' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	24.93	
For Up To 20, Add	8.81	
For >20 To 50, Add	4.79	
For >50 To 100, Add	2.01	
For >500 To 1,000, Deduct	-2.01	
For >1,000, Deduct	-3.64	
32 16 13 19-0020 LF 3' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	29.66	
For Up To 20, Add	10.39	
For >20 To 50, Add	5.64	
For >50 To 100, Add	2.38	
For >500 To 1,000, Deduct	-2.38	
For >1,000, Deduct	-4.30	
32 16 13 19-0021 LF 3-1/2' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	34.37	
For Up To 20, Add	11.96	
For >20 To 50, Add	6.49	
For >50 To 100, Add	2.74	
For >500 To 1,000, Deduct	-2.74	
For >1,000, Deduct	-4.96	
32 16 13 19-0022 LF 4' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	39.09	
For Up To 20, Add	13.54	
For >20 To 50, Add	7.34	
For >50 To 100, Add	3.10	
For >500 To 1,000, Deduct	-3.10	
For >1,000, Deduct	-5.63	
32 16 13 19-0023 LF 5' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	47.43	
32 16 13 19-0024 LF 6' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	55.60	
32 16 13 19-0025 SF >6' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	9.27	
For Up To 100, Add	3.03	
For >100 To 250, Add	1.64	
For >250 To 500, Add	0.70	
For >2,500 To 5,000, Deduct	-0.70	
For >5,000, Deduct	-1.28	

**32 16 13 23 Precast Concrete Curbs And Gutters** (32 16 13 23)

32 16 13 23-0001 Precast Concrete Curb <small>(32 16 13 23)</small>		
32 16 13 23-0002 LF 6" x 18" Precast Concrete Curb .....	35.97	4.68
32 16 13 23-0003 LF 6" x 18" Precast Concrete Curb, Radius.....	44.12	5.38
32 16 13 23-0004 LF 6" x 20" Precast Concrete Curb .....	39.01	4.68
32 16 13 23-0005 LF 6" x 20" Precast Concrete Curb, Radius.....	48.14	5.38
32 16 13 23-0006 LF 7" x 18" Precast Concrete Curb .....	40.40	4.68
32 16 13 23-0007 LF 7" x 18" Precast Concrete Curb, Radius.....	49.75	5.38
32 16 13 23-0008 LF 7" x 20" Precast Concrete Curb .....	43.85	4.68
32 16 13 23-0009 LF 7" x 20" Precast Concrete Curb, Radius.....	54.12	5.38

**32 16 13 33 Asphalt Curbs** (32 16 13 33)

32 16 13 33-0001 Asphalt Curbs <small>(32 16 13 33)</small>		
32 16 13 33-0002 LF 6" Wide x 6" High Asphalt Curb 64 LF/TON, Bituminous, Plain.....	6.77	2.78
32 16 13 33-0003 LF 8" Wide x 6" High Asphalt Curb 50 LF/TON, Bituminous, Plain.....	7.62	3.09
32 16 13 33-0004 LF 8" Wide x 8" High Asphalt Curb 44 LF/TON, Bituminous, Plain.....	8.41	3.40

**32 Exterior Improvements****32 10 Bases, Ballasts, And Paving****32 16 Curbs, Gutters, Sidewalks, And Driveways**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**32 16 13 43 Stone Curbs** (32 16 13)**32 16 13 43-0001 Granite Curbs** (32 16 13 43)**32 16 13 43-0002 Split Face Granite Curbs** (32 16 13 43-0001)

32 16 13 43-0003	LF 4" To 5" x 12" To 14" Split Face Granite Curb, Straight Section .....	19.81	4.62
	For Up To 20, Add	7.05	
	For >20 To 50, Add	3.83	
	For >50 To 100, Add	1.61	
	For >500 To 1,000, Deduct	-1.61	
	For >1,000, Deduct	-2.91	
32 16 13 43-0004	LF 6" To 8" x 12" To 14" Split Face Granite Curb, Straight Section .....	23.79	5.04
	For Up To 20, Add	8.11	
	For >20 To 50, Add	4.39	
	For >50 To 100, Add	1.86	
	For >500 To 1,000, Deduct	-1.86	
	For >1,000, Deduct	-3.38	
32 16 13 43-0005	LF 4" To 5" x 16" To 18" Split Face Granite Curb, Straight Section .....	26.38	5.42
	For Up To 20, Add	8.88	
	For >20 To 50, Add	4.80	
	For >50 To 100, Add	2.04	
	For >500 To 1,000, Deduct	-2.04	
	For >1,000, Deduct	-3.72	
32 16 13 43-0006	LF 6" To 8" x 16" To 18" Split Face Granite Curb, Straight Section .....	31.75	5.85
	For Up To 20, Add	10.23	
	For >20 To 50, Add	5.50	
	For >50 To 100, Add	2.36	
	For >500 To 1,000, Deduct	-2.36	
	For >1,000, Deduct	-4.34	
32 16 13 43-0007	LF 4" To 5" x 12" To 14" Split Face Granite Curb, Curved Section .....	25.02	5.04
	For Up To 20, Add	8.34	
	For >20 To 50, Add	4.51	
	For >50 To 100, Add	1.92	
	For >500 To 1,000, Deduct	-1.92	
	For >1,000, Deduct	-3.50	
32 16 13 43-0008	LF 6" To 8" x 12" To 14" Split Face Granite Curb, Curved Section .....	29.00	5.42
	For Up To 20, Add	9.41	
	For >20 To 50, Add	5.06	
	For >50 To 100, Add	2.17	
	For >500 To 1,000, Deduct	-2.17	
	For >1,000, Deduct	-3.98	
32 16 13 43-0009	LF 4" To 5" x 16" To 18" Split Face Granite Curb, Curved Section .....	31.62	5.85
	For Up To 20, Add	10.20	
	For >20 To 50, Add	5.49	
	For >50 To 100, Add	2.36	
	For >500 To 1,000, Deduct	-2.36	
	For >1,000, Deduct	-4.32	
32 16 13 43-0010	LF 6" To 8" x 16" To 18" Split Face Granite Curb, Curved Section .....	36.98	6.22
	For Up To 20, Add	11.54	
	For >20 To 50, Add	6.18	
	For >50 To 100, Add	2.68	
	For >500 To 1,000, Deduct	-2.68	
	For >1,000, Deduct	-4.94	

**32 16 13 43-0011 Sawn Face Granite Curbs** (32 16 13 43-0001)

32 16 13 43-0012	LF 4" To 5" x 12" To 14" Sawn Face Granite Curb, Straight Section .....	19.81	4.62
	For Up To 20, Add	7.05	
	For >20 To 50, Add	3.83	
	For >50 To 100, Add	1.61	
	For >500 To 1,000, Deduct	-1.61	
	For >1,000, Deduct	-2.91	
32 16 13 43-0013	LF 6" To 8" x 12" To 14" Sawn Face Granite Curb, Straight Section .....	23.79	5.04
	For Up To 20, Add	8.11	
	For >20 To 50, Add	4.39	
	For >50 To 100, Add	1.86	
	For >500 To 1,000, Deduct	-1.86	
	For >1,000, Deduct	-3.38	
32 16 13 43-0014	LF 4" To 5" x 16" To 18" Sawn Face Granite Curb, Straight Section .....	26.41	5.42
	For Up To 20, Add	8.90	
	For >20 To 50, Add	4.81	
	For >50 To 100, Add	2.04	
	For >500 To 1,000, Deduct	-2.04	
	For >1,000, Deduct	-3.73	
32 16 13 43-0015	LF 6" To 8" x 16" To 18" Sawn Face Granite Curb, Straight Section .....	31.78	5.85
	For Up To 20, Add	10.25	
	For >20 To 50, Add	5.51	
	For >50 To 100, Add	2.37	
	For >500 To 1,000, Deduct	-2.37	
	For >1,000, Deduct	-4.35	
32 16 13 43-0016	LF 4" To 5" x 12" To 14" Sawn Face Granite Curb, Curved Section .....	28.85	5.04
	For Up To 20, Add	9.12	
	For >20 To 50, Add	4.90	
	For >50 To 100, Add	2.11	
	For >500 To 1,000, Deduct	-2.11	
	For >1,000, Deduct	-3.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 43-0017 LF 6" To 8" x 12" To 14" Sawn Face Granite Curb, Curved Section.....	34.97	5.42
<i>For Up To 20, Add</i>	10.61	
<i>For &gt;20 To 50, Add</i>	5.67	
<i>For &gt;50 To 100, Add</i>	2.47	
<i>For &gt;500 To 1,000, Deduct</i>	-2.47	
<i>For &gt;1,000, Deduct</i>	-4.58	
32 16 13 43-0018 LF 4" To 5" x 16" To 18" Sawn Face Granite Curb, Curved Section.....	38.89	5.85
<i>For Up To 20, Add</i>	11.67	
<i>For &gt;20 To 50, Add</i>	6.22	
<i>For &gt;50 To 100, Add</i>	2.72	
<i>For &gt;500 To 1,000, Deduct</i>	-2.72	
<i>For &gt;1,000, Deduct</i>	-5.06	
32 16 13 43-0019 LF 6" To 8" x 16" To 18" Sawn Face Granite Curb, Curved Section.....	47.25	6.22
<i>For Up To 20, Add</i>	13.61	
<i>For &gt;20 To 50, Add</i>	7.22	
<i>For &gt;50 To 100, Add</i>	3.19	
<i>For &gt;500 To 1,000, Deduct</i>	-3.19	
<i>For &gt;1,000, Deduct</i>	-5.97	
<b>32 16 13 43-0020 Granite Base And Curbs</b> <small>(32 16 13 43-0001)</small>		
32 16 13 43-0021 LF 4" High Granite Base .....	21.62	5.88
<i>For Up To 20, Add</i>	8.23	
<i>For &gt;20 To 50, Add</i>	4.51	
<i>For &gt;50 To 100, Add</i>	1.86	
<i>For &gt;500 To 1,000, Deduct</i>	-1.86	
<i>For &gt;1,000, Deduct</i>	-3.33	
32 16 13 43-0022 LF 6" High Granite Base .....	24.68	7.70
<i>For Up To 20, Add</i>	10.06	
<i>For &gt;20 To 50, Add</i>	5.54	
<i>For &gt;50 To 100, Add</i>	2.26	
<i>For &gt;500 To 1,000, Deduct</i>	-2.26	
<i>For &gt;1,000, Deduct</i>	-4.01	
<b>32 16 13 43-0023 Remove And Reset Stone And Precast Curbing</b> <small>(32 16 13 43)</small>		
Note: Includes storage and cleaning.		
32 16 13 43-0024 LF Removal And Resetting Of Stone Or Precast Curbing .....	17.70	
Note: Includes storage and cleaning.		
<b>32 16 23 Sidewalks</b> <small>(32 16)</small>		
<b>32 16 23 00-0001 Cast In Place Concrete Sidewalk</b> <small>(32 16 23)</small>		
Note: Includes finish grading, delivered concrete (up to 3500 PSI) by chute, formwork, 1/4" radius joints and edges, polyethylene sheeting, control joints, expansion joints, screed, broom finish, and curing. Excludes excavation, base, base compaction and welded wire reinforcement. For bar or fiber reinforcing, add bar or fiber reinforcing tasks. See CSI section 03 31 13 00-0081 for buggies, 03 31 13 00-0088 for short loads, 03 37 16 00-0001 for pumping with boom truck, 32 11 23 16-0001 for base course.		
32 16 23 00-0002 SF 4" Cast In Place Concrete Sidewalk .....	5.79	
<i>For Up To 100, Add</i>	2.18	
<i>For &gt;100 To 500, Add</i>	0.58	
<i>For &gt;1,000 To 5,000, Deduct</i>	-0.29	
<i>For &gt;5,000, Deduct</i>	-0.73	
<i>For Welded Wire Reinforcement, Add</i>	0.52	
32 16 23 00-0003 SF 5" Cast In Place Concrete Sidewalk .....	6.56	
<i>For Up To 100, Add</i>	2.40	
<i>For &gt;100 To 500, Add</i>	0.63	
<i>For &gt;1,000 To 5,000, Deduct</i>	-0.30	
<i>For &gt;5,000, Deduct</i>	-0.78	
<i>For Welded Wire Reinforcement, Add</i>	0.52	
32 16 23 00-0004 SF 6" Cast In Place Concrete Sidewalk .....	7.32	
<i>For Up To 100, Add</i>	2.62	
<i>For &gt;100 To 500, Add</i>	0.68	
<i>For &gt;1,000 To 5,000, Deduct</i>	-0.31	
<i>For &gt;5,000, Deduct</i>	-0.84	
<i>For Welded Wire Reinforcement, Add</i>	0.52	
32 16 23 00-0005 SF 7" Cast In Place Concrete Sidewalk .....	8.59	
<i>For Up To 100, Add</i>	3.04	
<i>For &gt;100 To 500, Add</i>	0.79	
<i>For &gt;1,000 To 5,000, Deduct</i>	-0.36	
<i>For &gt;5,000, Deduct</i>	-0.97	
<i>For Welded Wire Reinforcement, Add</i>	0.52	
32 16 23 00-0006 SF 8" Cast In Place Concrete Sidewalk .....	9.31	
<i>For Up To 100, Add</i>	3.24	
<i>For &gt;100 To 500, Add</i>	0.83	
<i>For &gt;1,000 To 5,000, Deduct</i>	-0.36	
<i>For &gt;5,000, Deduct</i>	-1.01	
<i>For Welded Wire Reinforcement, Add</i>	0.52	
32 16 23 00-0007 SF For Exposed Aggregate Finish In Sidewalk.....	1.05	
32 16 23 00-0008 EA Finish Concrete Handicap Drop Section In Sidewalk.....	62.64	
Note: Excludes patterned (tactile) finish.		
32 16 23 00-0009 LF For Hand Trowel Finish At Sidewalk Edges (Picture Frame).....	1.05	
32 16 23 00-0010 SF For Handicap Ramp From Parking Area To Sidewalk .....	11.93	
Note: 1 to 12 slope with tactile finish.		

<b>32</b>	<b>Exterior Improvements</b>
<b>32 10</b>	<b>Bases, Ballasts, And Paving</b>
<b>32 16</b>	<b>Curbs, Gutters, Sidewalks, And Driveways</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>32 16 23 00-0011 Bituminous Sidewalk</b> <sup>(32 16 23)</sup> Note: Includes finish grading, delivered asphalt, formwork, control joints, expansion joints, and compaction. Excludes excavation, base, and base compaction. See CSI section 32 11 23 16-0001 for base course.		
32 16 23 00-0012 SY 1" Bituminous Sidewalk.....	4.55	
For Up To 100, Add	1.66	
For >100 To 500, Add	0.44	
For >1,000 To 5,000, Deduct	-0.21	
For >5,000, Deduct	-0.44	
32 16 23 00-0013 SY 1-1/2" Bituminous Sidewalk.....	5.74	
For Up To 100, Add	2.06	
For >100 To 500, Add	0.54	
For >1,000 To 5,000, Deduct	-0.25	
For >5,000, Deduct	-0.54	
32 16 23 00-0014 SY 2" Bituminous Sidewalk.....	8.02	
For Up To 100, Add	2.78	
For >100 To 500, Add	0.71	
For >1,000 To 5,000, Deduct	-0.31	
For >5,000, Deduct	-0.71	
32 16 23 00-0015 SY 2-1/2" Bituminous Sidewalk.....	10.04	
For Up To 100, Add	3.48	
For >100 To 500, Add	0.89	
For >1,000 To 5,000, Deduct	-0.39	
For >5,000, Deduct	-0.89	
32 16 23 00-0016 SY 3" Bituminous Sidewalk.....	11.60	
For Up To 100, Add	3.95	
For >100 To 500, Add	1.00	
For >1,000 To 5,000, Deduct	-0.42	
For >5,000, Deduct	-1.00	
32 16 23 00-0017 SY 3-1/2" Bituminous Sidewalk.....	13.44	
For Up To 100, Add	4.51	
For >100 To 500, Add	1.13	
For >1,000 To 5,000, Deduct	-0.46	
For >5,000, Deduct	-1.13	
<b>32 17 Paving Specialties</b> <sup>(32 10)</sup>		
<b>32 17 13 Parking Bumpers</b> <sup>(32 17)</sup> Note: Includes dowels set.		
<b>32 17 13 16 Plastic Parking Bumpers</b> <sup>(32 17 13)</sup>		
32 17 13 16-0001 EA 4" x 6" x 4' Recycled Plastic Wheel Stop.....	72.39	3.25
32 17 13 16-0002 EA 4" x 6" x 6' Recycled Plastic Wheel Stop.....	81.92	3.25
<b>32 17 13 19 Precast Concrete Parking Bumpers</b> <sup>(32 17 13)</sup>		
32 17 13 19-0001 EA 6" x 8" x 4' Precast Concrete Wheel Stop With Dowels.....	34.61	9.77
32 17 13 19-0002 EA 6" x 6" x 6' Precast Concrete Wheel Stop With Dowels.....	40.57	9.77
32 17 13 19-0003 EA 6" x 8" x 6' Precast Concrete Wheel Stop With Dowels.....	41.63	9.77
32 17 13 19-0004 EA 6" x 10" x 6' Precast Concrete Wheel Stop With Dowels.....	43.82	9.77
32 17 13 19-0005 EA 8" x 4-1/2" x 6' Precast Concrete Wheel Stop With Dowels.....	40.57	9.77
32 17 13 19-0006 EA 8" x 13" x 6' Precast Concrete Wheel Stop With Dowels.....	52.62	9.77
32 17 13 19-0007 EA Removal And Relocation Of Precast Concrete Wheel Stop.....	15.62	
32 17 13 19-0008 EA Removal And Relocation Of Plastic Or Wood Wheel Stop.....	10.16	
<b>32 17 13 23 Rubber Parking Bumpers</b> <sup>(32 17 13)</sup>		
32 17 13 23-0001 EA 3' Recycled Rubber Wheel Stop.....	21.62	3.25
32 17 13 23-0002 EA 4' Recycled Rubber Wheel Stop.....	26.30	3.25
32 17 13 23-0003 EA 5' Recycled Rubber Wheel Stop.....	28.17	3.25
32 17 13 23-0004 EA 6' Recycled Rubber Wheel Stop.....	30.98	3.25
<b>32 17 13 26 Wood Parking Bumpers</b> <sup>(32 17 13)</sup>		
32 17 13 26-0001 LF 4" x 4" Timber Barrier With Saddles For Cars, Pressure Treated.....	5.43	0.79
32 17 13 26-0002 LF 6" x 6" Timber Barriers With Saddle For Trucks, Pressure Treated.....	7.64	0.79
<b>32 17 16 Manufactured Traffic-Calming Devices</b> <sup>(32 17)</sup>		
<b>32 17 16 00-0001 Modular Rubber Speed Tables</b> <sup>(32 17 16)</sup> Note: 3" high flat topped speed humps, 18" x 42" modular rubber construction. Trafficlogix.		
32 17 16 00-0002 SF Up To 24' Road Width x 7' Run Modular Rubber Speed Table.....	35.31	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0003 SF Up To 24' Road Width x 14' Run Modular Rubber Speed Table.....	30.85	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0004 SF Up To 24' Road Width x 21' Run Modular Rubber Speed Table.....	29.02	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 16 00-0005 SF >24' To 30' Road Width x 7' Run Modular Rubber Speed Table.....	33.80	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0006 SF >24' To 30' Road Width x 14' Run Modular Rubber Speed Table.....	29.78	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0007 SF >24' To 30' Road Width x 21' Run Modular Rubber Speed Table.....	28.17	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0008 SF >30' To 40' Road Width x 7' Run Modular Rubber Speed Table.....	32.33	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0009 SF >30' To 40' Road Width x 14' Run Modular Rubber Speed Table.....	28.94	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0010 SF >30' To 40' Road Width x 21' Run Modular Rubber Speed Table.....	27.47	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
<b>32 17 16 00-0011 Asphalt Speed Table</b> <small>(32 17 16)</small>		
Note: Excludes pavement markings or reflectors.		
32 17 16 00-0012 LF Up to 36" Wide Asphalt Speed Table With 3" Center Crown .....	16.55	
Note: Tapered on edges to roadway.		
32 17 16 00-0013 LF >36" To 48" Wide Asphalt Speed Table With 3" Center Crown .....	19.57	
Note: Tapered on edges to roadway.		
32 17 16 00-0014 LF Up to 36" Wide Asphalt Speed Table With 4" Center Crown .....	20.82	
Note: Tapered on edges to roadway.		
32 17 16 00-0015 LF >36" To 48" Wide Asphalt Speed Table With 4" Center Crown .....	24.62	
Note: Tapered on edges to roadway.		
32 17 16 00-0016 LF Up to 36" Wide Asphalt Speed Table With 6" Center Crown .....	25.33	
Note: Tapered on edges to roadway.		
32 17 16 00-0017 LF >36" To 48" Wide Asphalt Speed Table With 6" Center Crown .....	28.34	
Note: Tapered on edges to roadway.		
<b>32 17 16 00-0018 Concrete Speed Table</b> <small>(32 17 16)</small>		
32 17 16 00-0019 SF Concrete Speed Table.....	9.03	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
<b>32 17 16 00-0020 Speed Bumps</b> <small>(32 17 16)</small>		
Note: Excludes pavement markings or reflectors.		
32 17 16 00-0021 LF 2-1/4" High x 10-1/2" Wide, Asphalt Speed Bump .....	18.85	0.94
32 17 16 00-0022 LF 2-1/4" High x 12" Wide, Recycled Rubber Speed Bump .....	23.96	0.63
32 17 16 00-0023 LF 2-5/8" High x 12" Wide, Recycled Plastic Speed Bump .....	46.94	0.63
<b>32 17 23 Pavement Markings</b> <small>(32 17)</small>		
See CSI section 01 55 26 00-0000 for temporary markings and removable line mask tape.		
<b>32 17 23 13 Painted Pavement Markings</b> <small>(32 17 23)</small>		
32 17 23 13-0001 Pavement Striping, Letters, Symbols And Markers For Roads <small>(32 17 23 13)</small>		
Note: Includes primers, adhesive and glass beads where required. For broken line quantities use total lane length. Per Coat.		
32 17 23 13-0002 Epoxy Reflective Pavement Marking <small>(32 17 23 13-0001)</small>		
Note: 15 mil thickness.		
32 17 23 13-0003 LF Single 4" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.35	
<i>For 20 Mil Thickness, Add</i> <span style="float: right;">0.08</span>		
<i>For Up To 5,000 LF, Add</i> <span style="float: right;">0.07</span>		
<i>For &gt;25,000 LF, Deduct</i> <span style="float: right;">-0.05</span>		
<i>For Broken Line, Deduct</i> <span style="float: right;">-0.17</span>		
32 17 23 13-0004 LF Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.49	
<i>For 20 Mil Thickness, Add</i> <span style="float: right;">0.12</span>		
<i>For Up To 5,000 LF, Add</i> <span style="float: right;">0.10</span>		
<i>For &gt;25,000 LF, Deduct</i> <span style="float: right;">-0.07</span>		
<i>For Broken Line, Deduct</i> <span style="float: right;">-0.26</span>		
32 17 23 13-0005 LF Single 8" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.60	
<i>For 20 Mil Thickness, Add</i> <span style="float: right;">0.15</span>		
<i>For Up To 5,000 LF, Add</i> <span style="float: right;">0.12</span>		
<i>For &gt;25,000 LF, Deduct</i> <span style="float: right;">-0.09</span>		
<i>For Broken Line, Deduct</i> <span style="float: right;">-0.31</span>		
32 17 23 13-0006 LF Single 10" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.72	
<i>For 20 Mil Thickness, Add</i> <span style="float: right;">0.18</span>		
<i>For Up To 5,000 LF, Add</i> <span style="float: right;">0.14</span>		
<i>For &gt;25,000 LF, Deduct</i> <span style="float: right;">-0.11</span>		
<i>For Broken Line, Deduct</i> <span style="float: right;">-0.38</span>		
32 17 23 13-0007 LF Single 12" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.91	
<i>For 20 Mil Thickness, Add</i> <span style="float: right;">0.24</span>		
<i>For Up To 5,000 LF, Add</i> <span style="float: right;">0.18</span>		
<i>For &gt;25,000 LF, Deduct</i> <span style="float: right;">-0.14</span>		
<i>For Broken Line, Deduct</i> <span style="float: right;">-0.50</span>		



**32 Exterior Improvements**  
**32 10 Bases, Ballasts, And Paving**  
**32 17 Paving Specialties**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0008	LF		Double 4" Wide Solid Lines, Epoxy Reflective Pavement Striping.....	0.57	
			<i>For 20 Mil Thickness, Add</i>	0.16	
			<i>For Up To 5,000 LF, Add</i>	0.11	
			<i>For &gt;25,000 LF, Deduct</i>	-0.09	
			<i>For Broken Line On One Side, Deduct</i>	-0.17	
			<i>For Double Broken Line, Deduct</i>	-0.34	
32 17 23 13-0009	LF		Double 6" Wide Solid Lines, Epoxy Reflective Pavement Striping.....	0.82	
			<i>For 20 Mil Thickness, Add</i>	0.23	
			<i>For Up To 5,000 LF, Add</i>	0.16	
			<i>For &gt;25,000 LF, Deduct</i>	-0.12	
			<i>For Broken Line On One Side, Deduct</i>	-0.25	
			<i>For Double Broken Line, Deduct</i>	-0.50	
32 17 23 13-0010	SF		Solid Area, Epoxy Reflective Pavement Marking.....	3.72	
			Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
			<i>For 20 Mil Thickness, Add</i>	0.53	
32 17 23 13-0011	EA		6" High, Letter/Number, Epoxy Reflective Pavement Marking.....	2.20	
			<i>For 20 Mil Thickness, Add</i>	0.25	
			<i>For &lt;10, Add</i>	0.26	
			<i>For &gt;50 To 100, Deduct</i>	-0.13	
			<i>For &gt;100 To 200, Deduct</i>	-0.17	
			<i>For &gt;200, Deduct</i>	-0.34	
32 17 23 13-0012	EA		12" High, Letter/Number, Epoxy Reflective Pavement Marking.....	4.34	
			<i>For 20 Mil Thickness, Add</i>	0.71	
			<i>For &lt;10, Add</i>	0.39	
			<i>For &gt;50 To 100, Deduct</i>	-0.19	
			<i>For &gt;100 To 200, Deduct</i>	-0.26	
			<i>For &gt;200, Deduct</i>	-0.52	
32 17 23 13-0013	EA		24" High, Letter/Number, Epoxy Reflective Pavement Marking.....	7.37	
			<i>For 20 Mil Thickness, Add</i>	1.23	
			<i>For &lt;10, Add</i>	0.65	
			<i>For &gt;50 To 100, Deduct</i>	-0.32	
			<i>For &gt;100 To 200, Deduct</i>	-0.43	
			<i>For &gt;200, Deduct</i>	-0.86	
32 17 23 13-0014	EA		36" High, Letter/Number, Epoxy Reflective Pavement Marking.....	14.00	
			<i>For 20 Mil Thickness, Add</i>	2.22	
			<i>For &lt;10, Add</i>	1.29	
			<i>For &gt;50 To 100, Deduct</i>	-0.65	
			<i>For &gt;100 To 200, Deduct</i>	-0.86	
			<i>For &gt;200, Deduct</i>	-1.73	
32 17 23 13-0015	EA		48" High, Letter/Number, Epoxy Reflective Pavement Marking.....	16.66	
			<i>For 20 Mil Thickness, Add</i>	2.81	
			<i>For &lt;10, Add</i>	1.45	
			<i>For &gt;50 To 100, Deduct</i>	-0.73	
			<i>For &gt;100 To 200, Deduct</i>	-0.97	
			<i>For &gt;200, Deduct</i>	-1.94	
32 17 23 13-0016	EA		72" High, Letter/Number, Epoxy Reflective Pavement Marking.....	29.97	
			<i>For 20 Mil Thickness, Add</i>	5.11	
			<i>For &lt;10, Add</i>	2.58	
			<i>For &gt;50 To 100, Deduct</i>	-1.29	
			<i>For &gt;100 To 200, Deduct</i>	-1.72	
			<i>For &gt;200, Deduct</i>	-3.44	
32 17 23 13-0017	EA		96" High, Letter/Number, Epoxy Reflective Pavement Marking.....	39.90	
			<i>For 20 Mil Thickness, Add</i>	6.75	
			<i>For &lt;10, Add</i>	3.47	
			<i>For &gt;50 To 100, Deduct</i>	-1.73	
			<i>For &gt;100 To 200, Deduct</i>	-2.31	
			<i>For &gt;200, Deduct</i>	-4.62	
32 17 23 13-0018	EA		120" High, Letter/Number, Epoxy Reflective Pavement Marking.....	66.11	
			<i>For 20 Mil Thickness, Add</i>	13.92	
			<i>For &lt;10, Add</i>	4.30	
			<i>For &gt;50 To 100, Deduct</i>	-2.15	
			<i>For &gt;100 To 200, Deduct</i>	-2.87	
			<i>For &gt;200, Deduct</i>	-5.73	
32 17 23 13-0019	EA		Bike Lane Symbol, Epoxy Reflective Pavement Marking.....	55.41	
			Note: Approximate overall dimensions: 4' width x 8' height.		
			<i>For 20 Mil Thickness, Add</i>	13.72	
32 17 23 13-0020	EA		Railroad Crossing Symbol, Epoxy Reflective Pavement Marking.....	235.21	
			Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.		
			<i>For 20 Mil Thickness, Add</i>	66.53	
32 17 23 13-0021	EA		Preferential Lane Symbol (Diamond), Epoxy Reflective Pavement Marking.....	63.40	
			Note: Approximate overall dimensions: 3' width x 12' height.		
			<i>For 20 Mil Thickness, Add</i>	15.49	
32 17 23 13-0022	EA		Through Lane Arrow, Epoxy Reflective Pavement Marking.....	65.41	
			Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
			<i>For 20 Mil Thickness, Add</i>	15.25	
32 17 23 13-0023	EA		Turn Lane Arrow, Epoxy Reflective Pavement Marking.....	81.12	
			Note: Approximate overall dimensions: 6' width x 8' height.		
			<i>For 20 Mil Thickness, Add</i>	20.49	
32 17 23 13-0024	EA		Dual Turn Lane Arrow, Epoxy Reflective Pavement Marking.....	131.04	
			Note: Approximate overall dimensions: 11' width x 8' height.		
			<i>For 20 Mil Thickness, Add</i>	36.68	
32 17 23 13-0025	EA		Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking.....	134.66	
			Note: Approximate overall dimensions: 7' width x 13' height.		
			<i>For 20 Mil Thickness, Add</i>	37.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0026 EA Dual Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking.....	188.67	
Note: Approximate overall dimensions: 9' width x 15' height.		
For 20 Mil Thickness, Add	55.65	
32 17 23 13-0027 EA Elongated Through Lane Arrow, Epoxy Reflective Pavement Marking.....	51.30	
Note: Approximate overall dimensions: 5-1/2' width x 12' height.		
For 20 Mil Thickness, Add	9.38	
32 17 23 13-0028 EA Elongated Turn Lane Arrow, Epoxy Reflective Pavement Marking.....	70.73	
Note: Approximate overall dimensions: 3' width x 12' height.		
For 20 Mil Thickness, Add	15.86	
32 17 23 13-0029 EA Elongated Dual Turn Lane Arrow, Epoxy Reflective Pavement Marking.....	92.36	
Note: Approximate overall dimensions: 5-1/2' width x 12' height.		
For 20 Mil Thickness, Add	22.47	
32 17 23 13-0030 EA Elongated Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking.....	94.96	
Note: Approximate overall dimensions: 3-1/2' width x 20' height.		
For 20 Mil Thickness, Add	23.34	
32 17 23 13-0031 EA Elongated Dual Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking.....	163.49	
Note: Approximate overall dimensions: 3-1/2' width x 20' height.		
For 20 Mil Thickness, Add	45.83	
32 17 23 13-0032 EA Lane-Reduction Arrow, Epoxy Reflective Pavement Marking.....	145.39	
Note: Approximate overall dimensions: 5-1/2' width x 18' height.		
For 20 Mil Thickness, Add	40.74	
32 17 23 13-0033 EA Wrong-Way Arrow, Epoxy Reflective Pavement Marking.....	139.36	
Note: Approximate overall dimensions: 6' width x 24' height.		
For 20 Mil Thickness, Add	39.21	
<b>32 17 23 13-0034 Painted Reflective Pavement Marking</b> <small>(32 17 23 13-0001)</small>		
Note: 15 mil thickness.		
32 17 23 13-0035 LF Single 4" Wide Solid Line, Painted Reflective Pavement Striping.....	0.17	
For Up To 5,000 LF, Add	0.03	
For >25,000 LF, Deduct	-0.03	
For Broken Line, Deduct	-0.04	
32 17 23 13-0036 LF Single 6" Wide Solid Line, Painted Reflective Pavement Striping.....	0.23	
For Up To 5,000 LF, Add	0.05	
For >25,000 LF, Deduct	-0.03	
For Broken Line, Deduct	-0.06	
32 17 23 13-0037 LF Single 8" Wide Solid Line, Painted Reflective Pavement Striping.....	0.29	
For Up To 5,000 LF, Add	0.06	
For >25,000 LF, Deduct	-0.04	
For Broken Line, Deduct	-0.08	
32 17 23 13-0038 LF Single 10" Wide Solid Line, Painted Reflective Pavement Striping.....	0.33	
For Up To 5,000 LF, Add	0.07	
For >25,000 LF, Deduct	-0.05	
For Broken Line, Deduct	-0.09	
32 17 23 13-0039 LF Single 12" Wide Solid Line, Painted Reflective Pavement Striping.....	0.38	
For Up To 5,000 LF, Add	0.08	
For >25,000 LF, Deduct	-0.06	
For Broken Line, Deduct	-0.11	
32 17 23 13-0040 LF Double 4" Wide Solid Lines, Painted Reflective Pavement Striping.....	0.26	
For Up To 5,000 LF, Add	0.05	
For >25,000 LF, Deduct	-0.04	
For Broken Line On One Side, Deduct	-0.04	
For Double Broken Line, Deduct	-0.08	
32 17 23 13-0041 LF Double 6" Wide Solid Lines, Painted Reflective Pavement Striping.....	0.39	
For Up To 5,000 LF, Add	0.08	
For >25,000 LF, Deduct	-0.06	
For Broken Line On One Side, Deduct	-0.06	
For Double Broken Line, Deduct	-0.11	
32 17 23 13-0042 SF Solid Area, Painted Reflective Pavement Striping.....	2.65	
Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 13-0043 EA 6" High, Letter/Number, Painted Reflective Pavement Marking.....	1.99	
For <10, Add	0.26	
For >50 To 100, Deduct	-0.13	
For >100 To 200, Deduct	-0.17	
For >200, Deduct	-0.34	
32 17 23 13-0044 EA 12" High, Letter/Number, Painted Reflective Pavement Marking.....	3.57	
For <10, Add	0.39	
For >50 To 100, Deduct	-0.19	
For >100 To 200, Deduct	-0.26	
For >200, Deduct	-0.52	
32 17 23 13-0045 EA 24" High, Letter/Number, Painted Reflective Pavement Marking.....	6.04	
For <10, Add	0.65	
For >50 To 100, Deduct	-0.32	
For >100 To 200, Deduct	-0.43	
For >200, Deduct	-0.86	
32 17 23 13-0046 EA 36" High, Letter/Number, Painted Reflective Pavement Marking.....	11.65	
For <10, Add	1.29	
For >50 To 100, Deduct	-0.65	
For >100 To 200, Deduct	-0.86	
For >200, Deduct	-1.73	
32 17 23 13-0047 EA 48" High, Letter/Number, Painted Reflective Pavement Marking.....	13.61	
For <10, Add	1.45	
For >50 To 100, Deduct	-0.73	
For >100 To 200, Deduct	-0.97	
For >200, Deduct	-1.94	

<b>32</b>	<b>Exterior Improvements</b>
<b>32 10</b>	<b>Bases, Ballasts, And Paving</b>
<b>32 17</b>	<b>Paving Specialties</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0048 EA 72" High, Letter/Number, Painted Reflective Pavement Marking.....	24.40	
For <10, Add	2.58	
For >50 To 100, Deduct	-1.29	
For >100 To 200, Deduct	-1.72	
For >200, Deduct	-3.44	
32 17 23 13-0049 EA 96" High, Letter/Number, Painted Reflective Pavement Marking.....	32.57	
For <10, Add	3.47	
For >50 To 100, Deduct	-1.73	
For >100 To 200, Deduct	-2.31	
For >200, Deduct	-4.62	
32 17 23 13-0050 EA 120" High, Letter/Number, Painted Reflective Pavement Marking.....	49.74	
For <10, Add	4.30	
For >50 To 100, Deduct	-2.15	
For >100 To 200, Deduct	-2.87	
For >200, Deduct	-5.73	
32 17 23 13-0051 EA Bike Lane Symbol, Painted Reflective Pavement Marking .....	38.52	
Note: Approximate overall dimensions: 4' width x 8' height.		
32 17 23 13-0052 EA Railroad Crossing Symbol, Painted Reflective Pavement Marking.....	150.76	
Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.		
32 17 23 13-0053 EA Preferential Lane Symbol (Diamond), Painted Reflective Pavement Marking .....	44.40	
Note: Approximate overall dimensions: 3' width x 12' height.		
32 17 23 13-0054 EA Through Lane Arrow, Painted Reflective Pavement Marking.....	46.94	
Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
32 17 23 13-0055 EA Turn Lane Arrow, Painted Reflective Pavement Marking.....	55.78	
Note: Approximate overall dimensions: 6' width x 8' height.		
32 17 23 13-0056 EA Dual Turn Lane Arrow, Painted Reflective Pavement Marking .....	84.59	
Note: Approximate overall dimensions: 11' width x 8' height.		
32 17 23 13-0057 EA Turn And Through Lane Arrow, Painted Reflective Pavement Marking.....	86.63	
Note: Approximate overall dimensions: 7' width x 13' height.		
32 17 23 13-0058 EA Dual Turn And Through Lane Arrow, Painted Reflective Pavement Marking.....	117.41	
Note: Approximate overall dimensions: 9' width x 15' height.		
32 17 23 13-0059 EA Elongated Through Lane Arrow, Painted Reflective Pavement Marking.....	40.78	
Note: Approximate overall dimensions: 5-1/2' width x 12' height.		
32 17 23 13-0060 EA Elongated Turn Lane Arrow, Painted Reflective Pavement Marking .....	51.73	
Note: Approximate overall dimensions: 3' width x 12' height.		
32 17 23 13-0061 EA Elongated Dual Turn Lane Arrow, Painted Reflective Pavement Marking .....	74.24	
Note: Approximate overall dimensions: 5-1/2' width x 12' height.		
32 17 23 13-0062 EA Elongated Turn And Through Lane Arrow, Painted Reflective Pavement Marking.....	76.96	
Note: Approximate overall dimensions: 3-1/2' width x 20' height.		
32 17 23 13-0063 EA Elongated Dual Turn And Through Lane Arrow, Painted Reflective Pavement Marking.....	105.43	
Note: Approximate overall dimensions: 3-1/2' width x 20' height.		
32 17 23 13-0064 EA Lane-Reduction Arrow, Painted Reflective Pavement Marking.....	94.60	
Note: Approximate overall dimensions: 5-1/2' width x 18' height.		
32 17 23 13-0065 EA Wrong-Way Arrow, Painted Reflective Pavement Marking .....	123.54	
Note: Approximate overall dimensions: 6' width x 24' height.		
<b>32 17 23 13-0066 Pavement Striping, Letters And Symbols For Parking Areas (32 17 23 13)</b>		
<b>32 17 23 13-0067 Painted Pavement Marking For Parking Areas (32 17 23 13-0066)</b>		
32 17 23 13-0068 LF Single 4" Wide Solid Line, Painted Pavement Striping for Parking Areas.....	0.61	
32 17 23 13-0069 LF Single 6" Wide Solid Line, Painted Pavement Striping for Parking Areas.....	0.67	
32 17 23 13-0070 LF Single 8" Wide Solid Line, Painted Pavement Striping for Parking Areas.....	0.72	
32 17 23 13-0071 LF Single 10" Wide Solid Line, Painted Pavement Striping for Parking Areas.....	0.78	
32 17 23 13-0072 LF Single 12" Wide Solid Line, Painted Pavement Striping for Parking Areas.....	0.81	
32 17 23 13-0073 SF Solid Area, Painted Pavement Marking For Parking Areas.....	2.66	
Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 13-0074 EA 6" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	1.93	
For Up To 10, Add	0.25	
For >50 To 100, Deduct	-0.13	
For >100 To 200, Deduct	-0.17	
For >200, Deduct	-0.33	
32 17 23 13-0075 EA 12" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	3.46	
For Up To 10, Add	0.38	
For >50 To 100, Deduct	-0.19	
For >100 To 200, Deduct	-0.25	
For >200, Deduct	-0.50	
32 17 23 13-0076 EA 24" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	5.85	
For Up To 10, Add	0.63	
For >50 To 100, Deduct	-0.31	
For >100 To 200, Deduct	-0.42	
For >200, Deduct	-0.84	
32 17 23 13-0077 EA 36" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	10.88	
For Up To 10, Add	1.19	
For >50 To 100, Deduct	-0.60	
For >100 To 200, Deduct	-0.80	
For >200, Deduct	-1.59	
32 17 23 13-0078 EA 42" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	14.25	
For Up To 10, Add	1.63	
For >50 To 100, Deduct	-0.82	
For >100 To 200, Deduct	-1.09	
For >200, Deduct	-2.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0079 EA 48" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas ..... 17.20 <i>For Up To 10, Add</i> 2.01 <i>For &gt;50 To 100, Deduct</i> -1.01 <i>For &gt;100 To 200, Deduct</i> -1.34 <i>For &gt;200, Deduct</i> -2.68		
32 17 23 13-0080 EA 72" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas ..... 23.69 <i>For Up To 10, Add</i> 2.51 <i>For &gt;50 To 100, Deduct</i> -1.26 <i>For &gt;100 To 200, Deduct</i> -1.68 <i>For &gt;200, Deduct</i> -3.35		
32 17 23 13-0081 EA Through Lane Arrow, Painted Pavement Marking For Parking Areas ..... 46.12 Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
32 17 23 13-0082 EA Turn Lane Arrow, Painted Pavement Marking For Parking Areas ..... 54.67 Note: Approximate overall dimensions: 6' width x 8' height.		
32 17 23 13-0083 EA Dual Turn Lane Arrow, Painted Pavement Marking For Parking Areas ..... 82.55 Note: Approximate overall dimensions: 11' width x 8' height.		
32 17 23 13-0084 EA Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas ..... 84.52 Note: Approximate overall dimensions: 7' width x 13' height.		
32 17 23 13-0085 EA Dual Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas ..... 114.28 Note: Approximate overall dimensions: 9' width x 15' height.		
32 17 23 13-0086 EA Handicap Symbol For Standard Parking Stalls, Painted Pavement Marking For Parking Areas ..... 17.33 Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping. <i>For Blue Background With White Symbol, Add</i> 15.25 <i>For Blue Background With White Symbol And Border, Add</i> 19.06		
32 17 23 13-0087 EA Handicap Symbol For Van Parking Stalls, Painted Pavement Marking For Parking Areas ..... 27.77 Note: Approximate overall dimensions: 4-1/3' width x 5' height. White or blue symbol. Excludes striping. <i>For Blue Background With White Symbol, Add</i> 33.78 <i>For Blue Background With White Symbol And Border, Add</i> 42.23		
<b>32 17 23 13-0088 Painted Curbs</b> (32 17 23 13) Note: All colors.		
32 17 23 13-0089 LF Reflective Painted Curb ..... 1.64		
32 17 23 13-0090 LF Reflective Painted Curb And Gutter ..... 3.17		
32 17 23 13-0091 LF Painted Curb ..... 1.33		
32 17 23 13-0092 LF Painted Curb And Gutter ..... 2.90		
<b>32 17 23 13-0093 Markings For Outdoor Play Areas, Courts</b> (32 17 23 13)		
32 17 23 13-0094 LF 2" Wide Marking For Outdoor Play Areas ..... 0.43		
32 17 23 13-0095 LF 3" Wide Marking For Outdoor Play Areas ..... 0.49		
32 17 23 13-0096 LF 4" Wide Marking For Outdoor Play Areas ..... 0.56		
32 17 23 13-0097 LF 6" Wide Marking For Outdoor Play Areas ..... 0.67		
32 17 23 13-0098 EA Paint Playground Game Lines On Asphalt Or Concrete (Hop Scotch, 4 Square, Numbers Games, Etcetera) ..... 145.65		
<b>32 17 23 23 Raised Pavement Markings</b> (32 17 23)		
<b>32 17 23 23-0001 Raised Pavement Markers (RPMs)</b> (32 17 23 23)		
32 17 23 23-0002 EA One-Way Reflective, Raised Pavement Marker (RPM) ..... 3.18 <i>For &gt;100, Deduct</i> -0.32		1.19
32 17 23 23-0003 EA Two-Way Reflective, Raised Pavement Marker (RPM) ..... 3.37 <i>For &gt;100, Deduct</i> -0.34		1.19
32 17 23 23-0004 EA 4" Diameter, Non-Reflective, Raised Pavement Marker (RPM) ..... 2.93 <i>For &gt;100, Deduct</i> -0.29		1.19
<b>32 17 23 23-0005 Snowplowable Pavement Markers</b> (32 17 23 23)		
32 17 23 23-0006 EA One-Way Reflective, Snowplowable Pavement Marker With Center Rail ..... 35.06		13.77
32 17 23 23-0007 EA Two-Way Reflective, Snowplowable Pavement Marker With Center Rail ..... 35.23		13.77
32 17 23 23-0008 EA Removal And Replacement Of Reflector For One-Way Reflective, Recessed (Plowable) Pavement Marker ..... 9.34		
32 17 23 23-0009 EA Removal And Replacement Of Reflectors For Two-Way Reflective, Recessed (Plowable) Pavement Marker ..... 11.80		
<b>32 17 23 33 Plastic Pavement Markings</b> (32 17 23)		
<b>32 17 23 33-0001 Thermoplastic Pavement Striping, Letters, Symbols And Markers For Roads</b> (32 17 23 33) Note: Includes primers, adhesive and glass beads where required. For broken line modifier quantity use total lane length.		
<b>32 17 23 33-0002 Thermoplastic Reflective Pavement Marking</b> (32 17 23 33-0001) Note: 90 mil thickness.		
32 17 23 33-0003 LF Single 4" Wide Solid Line, Thermoplastic Reflective Pavement Striping ..... 0.86 <i>For Up To 5,000 LF, Add</i> 0.17 <i>For &gt;25,000 LF, Deduct</i> -0.13 <i>For 60 mils Thick, Deduct</i> -0.12 <i>For 125 mils Thick, Add</i> 0.16 <i>For Broken Line, Deduct</i> -0.53		

<b>32</b>	<b>Exterior Improvements</b>
<b>32 10</b>	<b>Bases, Ballasts, And Paving</b>
<b>32 17</b>	<b>Paving Specialties</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0004 LF Single 6" Wide Solid Line, Thermoplastic Reflective Pavement Striping.....	1.23	
For Up To 5,000 LF, Add	0.25	
For >25,000 LF, Deduct	-0.18	
For 60 mils Thick, Deduct	-0.18	
For 125 mils Thick, Add	0.23	
For Broken Line, Deduct	-0.78	
32 17 23 33-0005 LF Single 8" Wide Solid Line, Thermoplastic Reflective Pavement Striping.....	1.64	
For Up To 5,000 LF, Add	0.33	
For >25,000 LF, Deduct	-0.25	
For 60 mils Thick, Deduct	-0.24	
For 125 mils Thick, Add	0.31	
For Broken Line, Deduct	-1.04	
32 17 23 33-0006 LF Single 10" Wide Solid Line, Thermoplastic Reflective Pavement Striping.....	2.02	
For Up To 5,000 LF, Add	0.40	
For >25,000 LF, Deduct	-0.30	
For 60 mils Thick, Deduct	-0.30	
For 125 mils Thick, Add	0.39	
For Broken Line, Deduct	-1.31	
32 17 23 33-0007 LF Single 12" Wide Solid Line, Thermoplastic Reflective Pavement Striping.....	2.41	
For Up To 5,000 LF, Add	0.48	
For >25,000 LF, Deduct	-0.36	
For 60 mils Thick, Deduct	-0.37	
For 125 mils Thick, Add	0.47	
For Broken Line, Deduct	-1.57	
32 17 23 33-0008 LF Double 4" Wide Solid Lines, Thermoplastic Reflective Pavement Striping .....	1.63	
For Up To 5,000 LF, Add	0.33	
For >25,000 LF, Deduct	-0.24	
For 60 mils Thick, Deduct	-0.24	
For 125 mils Thick, Add	0.31	
For Broken Line On One Side, Deduct	-0.52	
For Double Broken Line, Deduct	-1.04	
32 17 23 33-0009 LF Double 6" Wide Solid Lines, Thermoplastic Reflective Pavement Striping .....	2.41	
For Up To 5,000 LF, Add	0.48	
For >25,000 LF, Deduct	-0.36	
For 60 mils Thick, Deduct	-0.37	
For 125 mils Thick, Add	0.47	
For Broken Line On One Side, Deduct	-0.78	
For Double Broken Line, Deduct	-1.57	
32 17 23 33-0010 SF Solid Area, Thermoplastic Reflective Pavement Marking .....	4.58	
Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
For 60 mils Thick, Deduct	-0.36	
For 125 mils Thick, Add	0.47	
32 17 23 33-0011 EA 6" High, Letter/Number, Thermoplastic Reflective Pavement Marking .....	2.93	
For Up To 10, Add	0.28	
For >50 To 100, Deduct	-0.14	
For >100 To 200, Deduct	-0.19	
For >200, Deduct	-0.38	
For 60 mils Thick, Deduct	-0.18	
For 125 mils Thick, Add	0.23	
32 17 23 33-0012 EA 12" High, Letter/Number, Thermoplastic Reflective Pavement Marking .....	6.62	
For Up To 10, Add	0.43	
For >50 To 100, Deduct	-0.21	
For >100 To 200, Deduct	-0.29	
For >200, Deduct	-0.57	
For 60 mils Thick, Deduct	-0.66	
For 125 mils Thick, Add	0.85	
32 17 23 33-0013 EA 24" High, Letter/Number, Thermoplastic Reflective Pavement Marking .....	11.33	
For Up To 10, Add	0.71	
For >50 To 100, Deduct	-0.36	
For >100 To 200, Deduct	-0.47	
For >200, Deduct	-0.95	
For 60 mils Thick, Deduct	-1.15	
For 125 mils Thick, Add	1.48	
32 17 23 33-0014 EA 36" High, Letter/Number, Thermoplastic Reflective Pavement Marking .....	21.10	
For Up To 10, Add	1.43	
For >50 To 100, Deduct	-0.71	
For >100 To 200, Deduct	-0.95	
For >200, Deduct	-1.90	
For 60 mils Thick, Deduct	-2.03	
For 125 mils Thick, Add	2.61	
32 17 23 33-0015 EA 48" High, Letter/Number, Thermoplastic Reflective Pavement Marking .....	25.71	
For Up To 10, Add	1.60	
For >50 To 100, Deduct	-0.80	
For >100 To 200, Deduct	-1.06	
For >200, Deduct	-2.13	
For 60 mils Thick, Deduct	-2.64	
For 125 mils Thick, Add	3.39	
32 17 23 33-0016 EA 72" High, Letter/Number, Thermoplastic Reflective Pavement Marking .....	46.48	
For Up To 10, Add	2.84	
For >50 To 100, Deduct	-1.42	
For >100 To 200, Deduct	-1.89	
For >200, Deduct	-3.79	
For 60 mils Thick, Deduct	-4.82	
For 125 mils Thick, Add	6.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0017 EA 96" High, Letter/Number, Thermoplastic Reflective Pavement Marking .....	61.66	
<i>For Up To 10, Add</i>	3.81	
<i>For &gt;50 To 100, Deduct</i>	-1.91	
<i>For &gt;100 To 200, Deduct</i>	-2.54	
<i>For &gt;200, Deduct</i>	-5.09	
<i>For 60 mils Thick, Deduct</i>	-6.34	
<i>For 125 mils Thick, Add</i>	8.15	
32 17 23 33-0018 EA 120" High, Letter/Number, Thermoplastic Reflective Pavement Marking .....	112.37	
<i>For Up To 10, Add</i>	4.73	
<i>For &gt;50 To 100, Deduct</i>	-2.36	
<i>For &gt;100 To 200, Deduct</i>	-3.15	
<i>For &gt;200, Deduct</i>	-6.30	
<i>For 60 mils Thick, Deduct</i>	-14.15	
<i>For 125 mils Thick, Add</i>	18.20	
32 17 23 33-0019 EA Bike Lane Symbol, Thermoplastic Reflective Pavement Marking .....	99.40	
Note: Approximate overall dimensions: 4' width x 8' height.		
<i>For 60 mils Thick, Deduct</i>	-14.46	
<i>For 125 mils Thick, Add</i>	18.60	
32 17 23 33-0020 EA Railroad Crossing Symbol, Thermoplastic Reflective Pavement Marking .....	455.13	
Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.		
<i>For 60 mils Thick, Deduct</i>	-72.32	
<i>For 125 mils Thick, Add</i>	92.98	
32 17 23 33-0021 EA Preferential Lane Symbol (Diamond), Thermoplastic Reflective Pavement Marking .....	112.88	
Note: Approximate overall dimensions: 3' width x 12' height.		
<i>For 60 mils Thick, Deduct</i>	-16.27	
<i>For 125 mils Thick, Add</i>	20.92	
32 17 23 33-0022 EA Through Lane Arrow, Thermoplastic Reflective Pavement Marking .....	113.52	
Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
<i>For 60 mils Thick, Deduct</i>	-15.82	
<i>For 125 mils Thick, Add</i>	20.34	
32 17 23 33-0023 EA Turn Lane Arrow, Thermoplastic Reflective Pavement Marking .....	147.09	
Note: Approximate overall dimensions: 6' width x 8' height.		
<i>For 60 mils Thick, Deduct</i>	-21.69	
<i>For 125 mils Thick, Add</i>	27.89	
32 17 23 33-0024 EA Dual Turn Lane Arrow, Thermoplastic Reflective Pavement Marking .....	251.99	
Note: Approximate overall dimensions: 11' width x 8' height.		
<i>For 60 mils Thick, Deduct</i>	-39.77	
<i>For 125 mils Thick, Add</i>	51.14	
32 17 23 33-0025 EA Turn And Through Lane Arrow, Thermoplastic Reflective Pavement Marking .....	259.74	
Note: Approximate overall dimensions: 7' width x 13' height.		
<i>For 60 mils Thick, Deduct</i>	-41.13	
<i>For 125 mils Thick, Add</i>	52.88	
32 17 23 33-0026 EA Dual Turn And Through Lane Arrow, Thermoplastic Reflective Pavement Marking .....	374.22	
Note: Approximate overall dimensions: 9' width x 15' height.		
<i>For 60 mils Thick, Deduct</i>	-61.02	
<i>For 125 mils Thick, Add</i>	78.45	
32 17 23 33-0027 EA Elongated Through Lane Arrow, Thermoplastic Reflective Pavement Marking .....	78.68	
Note: Approximate overall dimensions: 1-2/3' width x 12' height.		
<i>For 60 mils Thick, Deduct</i>	-9.00	
<i>For 125 mils Thick, Add</i>	11.58	
32 17 23 33-0028 EA Elongated Turn Lane Arrow, Thermoplastic Reflective Pavement Marking .....	120.21	
Note: Approximate overall dimensions: 3' width x 12' height.		
<i>For 60 mils Thick, Deduct</i>	-16.27	
<i>For 125 mils Thick, Add</i>	20.92	
32 17 23 33-0029 EA Elongated Dual Turn Lane Arrow, Thermoplastic Reflective Pavement Marking .....	199.79	
Note: Approximate overall dimensions: 5-1/2' width x 12' height.		
<i>For 60 mils Thick, Deduct</i>	-29.83	
<i>For 125 mils Thick, Add</i>	38.35	
32 17 23 33-0030 EA Elongated Turn And Through Lane Arrow, Thermoplastic Reflective Pavement Marking .....	210.12	
Note: Approximate overall dimensions: 3-1/2' width x 20' height.		
<i>For 60 mils Thick, Deduct</i>	-31.64	
<i>For 125 mils Thick, Add</i>	40.68	
32 17 23 33-0031 EA Elongated Dual Turn And Through Lane Arrow, Thermoplastic Reflective Pavement Marking .....	314.68	
Note: Approximate overall dimensions: 5-1/2' width x 20' height.		
<i>For 60 mils Thick, Deduct</i>	-49.72	
<i>For 125 mils Thick, Add</i>	63.92	
32 17 23 33-0032 EA Lane-Reduction Arrow, Thermoplastic Reflective Pavement Marking .....	282.92	
Note: Approximate overall dimensions: 5-1/2' width x 18' height.		
<i>For 60 mils Thick, Deduct</i>	-44.75	
<i>For 125 mils Thick, Add</i>	57.53	
32 17 23 33-0033 EA Wrong-Way Arrow, Thermoplastic Reflective Pavement Marking .....	397.47	
Note: Approximate overall dimensions: 6' width x 24' height.		
<i>For 60 mils Thick, Deduct</i>	-65.09	
<i>For 125 mils Thick, Add</i>	83.68	
<b>32 17 23 33-0034 Thermoplastic Reflective Pavement Striping By Hand For Repairs (32 17 23 33-0001) .....</b>	<b>1.59</b>	
LF Single 4" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs .....	1.59	
<i>For 60 mils Thick, Deduct</i>	-0.12	
<i>For 125 mils Thick, Add</i>	0.16	
LF Single 6" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs .....	2.05	
<i>For 60 mils Thick, Deduct</i>	-0.18	
<i>For 125 mils Thick, Add</i>	0.23	
LF Single 8" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs .....	2.56	
<i>For 60 mils Thick, Deduct</i>	-0.24	
<i>For 125 mils Thick, Add</i>	0.31	

**32 Exterior Improvements****32 10 Bases, Ballasts, And Paving****32 17 Paving Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0038	LF		Single 10" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs .....	3.14	
32 17 23 33-0039	LF		Single 12" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs .....	3.72	
			For 60 mils Thick, Deduct	-0.37	
			For 125 mils Thick, Add	0.47	
32 17 23 33-0040	LF		Single 24" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs .....	6.81	
			For 60 mils Thick, Deduct	-0.73	
			For 125 mils Thick, Add	0.94	
<b>32 17 23 33-0041</b>			<b>Preformed, Patterned Reflective Pavement Marking Tape</b> <small>(32 17 23 33-0001)</small>		
			Note: Applied with pressure sensitive adhesive. Includes adhesive. 60 mil thickness. (3M Stamark 380 Series).		
32 17 23 33-0042	LF		Single 4" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping .....	1.87	
			For Up To 5,000 LF, Add	0.37	
			For >25,000 LF, Deduct	-0.28	
32 17 23 33-0043	LF		Single 6" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping .....	2.78	
			For Up To 5,000 LF, Add	0.56	
			For >25,000 LF, Deduct	-0.42	
32 17 23 33-0044	LF		Single 8" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping .....	3.70	
			For Up To 5,000 LF, Add	0.74	
			For >25,000 LF, Deduct	-0.56	
32 17 23 33-0045	LF		Single 10" Wide Solid Line, Preformed, Patterned Thermoplastic Reflective Pavement Striping .....	4.59	
			For Up To 5,000 LF, Add	0.92	
			For >25,000 LF, Deduct	-0.69	
32 17 23 33-0046	LF		Single 12" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping .....	5.49	
			For Up To 5,000 LF, Add	1.10	
			For >25,000 LF, Deduct	-0.82	
32 17 23 33-0047	SF		Preformed Solid Area, Patterned Thermoplastic Reflective Pavement Marking Tape .....	14.38	
			Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 33-0048	EA		6" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape .....	21.49	
			For <10, Add	0.51	
			For >50 To 100, Deduct	-0.26	
			For >100 To 200, Deduct	-0.34	
			For >200, Deduct	-0.69	
32 17 23 33-0049	EA		12" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape .....	38.73	
			For <10, Add	0.65	
			For >50 To 100, Deduct	-0.33	
			For >100 To 200, Deduct	-0.44	
			For >200, Deduct	-0.87	
32 17 23 33-0050	EA		24" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape .....	66.01	
			For <10, Add	1.29	
			For >50 To 100, Deduct	-0.65	
			For >100 To 200, Deduct	-0.86	
			For >200, Deduct	-1.73	
32 17 23 33-0051	EA		36" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape .....	93.10	
			For <10, Add	2.59	
			For >50 To 100, Deduct	-1.29	
			For >100 To 200, Deduct	-1.73	
			For >200, Deduct	-3.45	
32 17 23 33-0052	EA		48" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape .....	109.53	
			For <10, Add	2.90	
			For >50 To 100, Deduct	-1.45	
			For >100 To 200, Deduct	-1.94	
			For >200, Deduct	-3.87	
32 17 23 33-0053	EA		72" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape .....	135.79	
			For <10, Add	5.16	
			For >50 To 100, Deduct	-2.58	
			For >100 To 200, Deduct	-3.44	
			For >200, Deduct	-6.89	
32 17 23 33-0054	EA		96" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape .....	172.06	
			For <10, Add	6.94	
			For >50 To 100, Deduct	-3.47	
			For >100 To 200, Deduct	-4.62	
			For >200, Deduct	-9.25	
32 17 23 33-0055	EA		120" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape .....	215.98	
			For <10, Add	8.60	
			For >50 To 100, Deduct	-4.30	
			For >100 To 200, Deduct	-5.73	
			For >200, Deduct	-11.46	
32 17 23 33-0056	SF		Preformed Arrow, Patterned Thermoplastic Reflective Pavement Marking Tape .....	14.72	
32 17 23 33-0057	SF		Preformed Symbol, Patterned Thermoplastic Reflective Pavement Marking Tape .....	15.35	
			Note: Handicap, railroad, diamond symbol, etc.		
<b>32 17 23 33-0058</b>			<b>Preformed, Thermoplastic Reflective Pavement Marking</b> <small>(32 17 23 33-0001)</small>		
			Note: Heat applied. (Flint PreMark or HotTape Series).		
32 17 23 33-0059	EA		Preformed Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	130.04	
			Note: Approximate overall dimensions: 4' width x 8' height.		
32 17 23 33-0060	EA		Preformed Railroad Crossing Symbol, 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	344.36	
			Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.		
32 17 23 33-0061	EA		Preformed Preferential Lane Symbol (Diamond), 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	71.22	
			Note: Approximate overall dimensions: 3-1/4' width x 13' height.		
32 17 23 33-0062	EA		6' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	61.23	
			Note: Approximate overall dimensions: 2' width x 6' height.		
32 17 23 33-0063	EA		9-1/2' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	114.85	
			Note: Approximate overall dimensions: 3-1/4' width x 9-1/2' height.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0064 EA 4' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....70.16 Note: Approximate overall dimensions: 3' width x 4' height.	70.16	
32 17 23 33-0065 EA 8' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape ..... 127.31 Note: Approximate overall dimensions: 6' width x 8' height.	127.31	
32 17 23 33-0066 EA Preformed Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....214.45 Note: Approximate overall dimensions: 7-1/4' width x 12-3/4' height.	214.45	
32 17 23 33-0067 EA Preformed Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....320.42 Note: Approximate overall dimensions: 11-1/4' width x 13-1/4' height.	320.42	
32 17 23 33-0068 EA Preformed Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape ..... 118.96 Note: Approximate overall dimensions: 1-2/3' width x 12' height.	118.96	
32 17 23 33-0069 EA Preformed Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape ..... 131.42 Note: Approximate overall dimensions: 3' width x 12' height.	131.42	
32 17 23 33-0070 EA Preformed Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....237.71 Note: Approximate overall dimensions: 5-1/2' width x 12' height.	237.71	
32 17 23 33-0071 EA Preformed Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....219.07 Note: Approximate overall dimensions: 3-1/2' width x 20' height.	219.07	
32 17 23 33-0072 EA Preformed Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape.....220.32 Note: Approximate overall dimensions: 5-1/2' width x 20' height.	220.32	
32 17 23 33-0073 EA Preformed Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....299.76 Note: Approximate overall dimensions: 5-1/2' width x 18' height.	299.76	
<b>32 17 23 33-0074 Thermoplastic Pavement Striping, Letters And Symbols For Parking Areas</b> <small>(32 17 23 33)</small>		
<b>32 17 23 33-0075 Thermoplastic Pavement Marking Tape For Parking Areas</b> <small>(32 17 23 33-0074)</small> Note: Heat applied. (Flint PreMark Series).		
32 17 23 33-0076 EA 28" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas ..... 45.45 Note: White or blue symbol. Excludes striping.	45.45	
32 17 23 33-0077 EA 39" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas .....164.27 Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.	164.27	
32 17 23 33-0078 EA 40" x 40" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas ..... 94.33 Note: White symbol on blue background. Excludes striping.	94.33	
32 17 23 33-0079 EA 45" x 45" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas .....112.90 Note: White symbol on blue background. Excludes striping.	112.90	
32 17 23 33-0080 EA 48" x 48" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas .....118.26 Note: White symbol on blue background. Excludes striping.	118.26	
<b>32 17 26 Tactile Warning Surfaces</b> <small>(32 17)</small>		
<b>32 17 26 00-0001 Vitrified Polymer Composite (VPC); (Armor Tile)</b> <small>(32 17 26)</small> Note: Truncated dome, raised strips or directional bars. All colors.		
32 17 26 00-0002 SF Surface Applied VPC Truncated Dome Detectable Warning Surface .....47.90 Note: Includes surface preparation, adhesive, fasteners and sealant at perimeter. Also raised strips or directional bars. All colors.	47.90	4.62
32 17 26 00-0003 SF Cast In Place VPC Truncated Dome Detectable Warning Surface .....41.90 Note: Also raised strips or directional bars. All colors.	41.90	4.62
<b>32 17 26 00-0004 Fiber-Reinforced, Polymermodified Cement And Coated With Acrylic Resin Emulsion (SatetyStep TD)</b> <small>(32 17 26)</small> Note: Pre-molded tactile dome sheet. All colors.		
32 17 26 00-0005 SF Up To 15 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT) .....41.81 Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 top coat sealer and SSTD-1250 finish . All colors. 2' or 3' width.	41.81	4.62
32 17 26 00-0006 SF >15 To 36 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT) .....37.65 Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 top coat sealer and SSTD-1250 finish . All colors. 2' or 3' width.	37.65	4.62
<b>32 18 Athletic And Recreational Surfacing</b> <small>(32 10)</small>		
<b>32 18 16 Synthetic Resilient Surfacing</b> <small>(32 18)</small>		
<b>32 18 16 13 Playground Protective Surfacing</b> <small>(32 18 16)</small>		
<b>32 18 16 13-0001 Tile Playground Surface Material</b> <small>(32 18 16 13)</small> Note: Black. With or without channel bottom. Includes transition section and curbs. Excludes sub base.		
32 18 16 13-0002 SF 1-3/4" Thick, Resilient Rubber Tile .....10.90 <i>For Manufacturer's Standard Colors, Add</i> 0.69 <i>For Interlocking Tiles, Add</i> 1.53 <i>For Mechanically Fastened, Add</i> 1.05 <i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i> 1.50	10.90	1.08



**32 Exterior Improvements****32 10 Bases, Ballasts, And Paving****32 18 Athletic And Recreational Surfacing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0003 SF 2" Thick, Resilient Rubber Tile.....	11.11	1.15
For Manufacturer's Standard Colors, Add	0.69	
For Interlocking Tiles, Add	1.53	
For Mechanically Fastened, Add	1.09	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0004 SF 2-1/4" Thick, Resilient Rubber Tile.....	11.51	1.28
For Manufacturer's Standard Colors, Add	0.69	
For Interlocking Tiles, Add	1.53	
For Mechanically Fastened, Add	1.17	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0005 SF 2-1/2" Thick, Resilient Rubber Tile.....	11.92	1.42
For Manufacturer's Standard Colors, Add	0.69	
For Interlocking Tiles, Add	1.53	
For Mechanically Fastened, Add	1.25	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0006 SF 2-3/4" Thick, Resilient Rubber Tile.....	13.31	1.56
For Manufacturer's Standard Colors, Add	0.52	
For Interlocking Tiles, Add	1.73	
For Mechanically Fastened, Add	1.33	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0007 SF 3" Thick, Resilient Rubber Tile.....	13.76	1.70
For Manufacturer's Standard Colors, Add	0.52	
For Interlocking Tiles, Add	1.73	
For Mechanically Fastened, Add	1.42	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0008 SF 3-1/4" Thick, Resilient Rubber Tile.....	14.23	1.86
For Manufacturer's Standard Colors, Add	0.52	
For Interlocking Tiles, Add	1.73	
For Mechanically Fastened, Add	1.52	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0009 SF 3-1/2" Thick, Resilient Rubber Tile.....	15.66	1.99
For Manufacturer's Standard Colors, Add	0.29	
For Interlocking Tiles, Add	1.93	
For Mechanically Fastened, Add	1.60	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0010 SF 3-3/4" Thick, Resilient Rubber Tile.....	16.07	2.16
For Manufacturer's Standard Colors, Add	0.29	
For Interlocking Tiles, Add	1.93	
For Mechanically Fastened, Add	1.69	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0011 SF 4" Thick, Resilient Rubber Tile.....	16.51	2.27
For Manufacturer's Standard Colors, Add	0.29	
For Interlocking Tiles, Add	1.93	
For Mechanically Fastened, Add	1.77	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0012 SF 4-1/2" Thick, Resilient Rubber Tile.....	19.02	2.56
For Manufacturer's Standard Colors, Add	0.28	
For Interlocking Tiles, Add	2.26	
For Mechanically Fastened, Add	1.94	
For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
<b>32 18 16 13-0013 Loose Laid Playground Surface Material</b> (32 18 16 13)		
Note: Excludes sub base.		
32 18 16 13-0014 SF 3" Loose Laid Wood Fiber Safety Surface .....	0.78	0.16
32 18 16 13-0015 SF 6" Loose Laid Wood Fiber Safety Surface .....	1.04	0.20
32 18 16 13-0016 SF 9" Loose Laid Wood Fiber Safety Surface .....	1.33	0.24
32 18 16 13-0017 SF 12" Loose Laid Wood Fiber Safety Surface .....	1.89	0.37
32 18 16 13-0018 SF 3" Loose Laid Synthetic Fiber Safety Surface.....	2.06	0.16
32 18 16 13-0019 SF 6" Loose Laid Synthetic Fiber Safety Surface.....	2.53	0.20
32 18 16 13-0020 SF 9" Loose Laid Synthetic Fiber Safety Surface.....	4.20	0.24
32 18 16 13-0021 SF 12" Loose Laid Synthetic Fiber Safety Surface.....	5.06	0.37
32 18 16 13-0022 SF 8" FIBAR System .....	8.63	0.61
Note: Includes drainage system on 6" centers, felt, edge railing and 8" wood fiber.		
32 18 16 13-0023 SF 12" FIBAR System .....	10.82	0.81
Note: Includes drainage system on 6" centers, felt, edge railing and 12" wood fiber.		
<b>32 18 16 13-0024 Poured In Place Playground Surfacing</b> (32 18 16 13)		
Note: Includes SBR base mat, 100% color ethylene propylene diene monomer (EPDM) top surface and 5 year warranty. Includes primer for base mat and top surface. Includes all colors. Excludes base preparation.		
32 18 16 13-0025 SF Up To 4' Critical Fall Height (1-3/4") Poured In Place Rubber Playground Surfacing .....	8.68	1.32
For Up To 2,000, Add	1.77	
For >2,000 To 3,000, Add	1.25	
For >3,000 To 4,000, Add	0.85	
For >4,000 To 5,000, Add	0.54	
For >5,000 To 7,000, Add	0.23	
For Aliphatic (Non Yellowing) Binder, Add	2.39	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0026 SF 5' Critical Fall Height (2") Poured In Place Rubber Playground Surfacing .....	8.95	1.46
For Up To 2,000, Add	1.82	
For >2,000 To 3,000, Add	1.29	
For >3,000 To 4,000, Add	0.87	
For >4,000 To 5,000, Add	0.56	
For >5,000 To 7,000, Add	0.23	
For Aliphatic (Non Yellowing) Binder, Add	2.39	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.32	
32 18 16 13-0027 SF 6' Critical Fall Height (2-1/2") Poured In Place Rubber Playground Surfacing .....	9.66	1.67
For Up To 2,000, Add	1.97	
For >2,000 To 3,000, Add	1.39	
For >3,000 To 4,000, Add	0.94	
For >4,000 To 5,000, Add	0.60	
For >5,000 To 7,000, Add	0.25	
For Aliphatic (Non Yellowing) Binder, Add	2.39	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.32	
32 18 16 13-0028 SF 7' Critical Fall Height (3") Poured In Place Rubber Playground Surfacing .....	10.43	1.78
For Up To 2,000, Add	2.12	
For >2,000 To 3,000, Add	1.50	
For >3,000 To 4,000, Add	1.02	
For >4,000 To 5,000, Add	0.65	
For >5,000 To 7,000, Add	0.27	
For Aliphatic (Non Yellowing) Binder, Add	2.39	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.32	
32 18 16 13-0029 SF 8' Critical Fall Height (3-1/2") Poured In Place Rubber Playground Surfacing .....	11.21	1.87
For Up To 2,000, Add	2.28	
For >2,000 To 3,000, Add	1.61	
For >3,000 To 4,000, Add	1.10	
For >4,000 To 5,000, Add	0.70	
For >5,000 To 7,000, Add	0.29	
For Aliphatic (Non Yellowing) Binder, Add	2.39	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.32	
32 18 16 13-0030 SF 9' Critical Fall Height (4") Poured In Place Rubber Playground Surfacing .....	11.87	1.97
For Up To 2,000, Add	2.42	
For >2,000 To 3,000, Add	1.70	
For >3,000 To 4,000, Add	1.16	
For >4,000 To 5,000, Add	0.74	
For >5,000 To 7,000, Add	0.31	
For Aliphatic (Non Yellowing) Binder, Add	2.39	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.32	
32 18 16 13-0031 SF 10' Critical Fall Height (4-1/2") Poured In Place Rubber Playground Surfacing .....	12.64	2.08
For Up To 2,000, Add	2.58	
For >2,000 To 3,000, Add	1.82	
For >3,000 To 4,000, Add	1.24	
For >4,000 To 5,000, Add	0.79	
For >5,000 To 7,000, Add	0.33	
For Aliphatic (Non Yellowing) Binder, Add	2.39	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.32	
32 18 16 13-0032 SF 12' Critical Fall Height (5-1/2") Poured In Place Rubber Playground Surfacing .....	14.17	2.34
For Up To 2,000, Add	2.89	
For >2,000 To 3,000, Add	2.03	
For >3,000 To 4,000, Add	1.38	
For >4,000 To 5,000, Add	0.88	
For >5,000 To 7,000, Add	0.37	
For Aliphatic (Non Yellowing) Binder, Add	2.39	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.32	
32 18 16 13-0033 SF Top Only (1/2") Poured In Place Playground Surfacing .....	5.68	
Note: Not used with new surfacing system tasks.		
For Up To 2,000, Add	1.75	
For >2,000 To 3,000, Add	1.13	
For >3,000 To 4,000, Add	0.69	
For >4,000 To 5,000, Add	0.42	
For >5,000 To 7,000, Add	0.19	
For Aliphatic (Non Yellowing) Binder, Add	2.39	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.32	
32 18 16 13-0034 EA Simple Graphics Including Hopscotch, Four Square Or Geometric Shapes (5 Per 1,000 SF) For Poured In Place Playground Surfacing .....	1,296.62	
<b>32 18 16 13-0035 Synthetic Playground Turf (Sporturf) <small>(32 18 16 13)</small></b>		
Note: Excludes base preparation, aggregate, or drainage.		
32 18 16 13-0036 SF 60 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Sporturf PL929) .....	5.53	
32 18 16 13-0037 SF 71 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Mirage PL906) .....	4.83	
32 18 16 13-0038 SF 2" Foam Padding (Sporturf) .....	3.08	
32 18 16 13-0039 CF Sand/Ruber Infill (Sporturf) .....	25.33	

**32 18 23 Athletic Surfacing (32 18)**

**32 18 23 13 Baseball Field Surfacing (32 18 23)**

**32 18 23 13-0001 Clay Infield Maintenance (32 18 23 13)**

32 18 23 13-0002 MSF Playing Field Maintenance (Clay - Nail Drag) .....	5.23
32 18 23 13-0003 MSF Playing Field Maintenance (Clay - Screen Drag) .....	5.23

**32 Exterior Improvements****32 10 Bases, Ballasts, And Paving****32 18 Athletic And Recreational Surfacing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 13-0004	CY		Playing Field Maintenance Of Clay .....	52.62	
32 18 23 13-0005	Ton		Medium Pro Baseball Infield Mix (Diamond Select 60/40 Pro Infield Mix).....	95.96	
<b>32 18 23 23 Field Sport Surfacing (32 18 23)</b>					
32 18 23 23-0001			<b>Turf Field Maintenance (32 18 23 23)</b>		
32 18 23 23-0002	ACR		Turf Aeration (Minimum 6" Penetration).....	70.39	
32 18 23 23-0003	MSF		Top Dressing 1/8" - 1/4" Sand.....	6.77	
32 18 23 23-0004	BAG		Envirofill, 50 LB Bag.....	55.67	
<b>32 18 23 29 Synthetic Field Sport Surfacing (32 18 23)</b>					
32 18 23 29-0001			<b>Synthetic Turf (32 18 23 29)</b>		
32 18 23 29-0002			<b>Synthetic Turf (AstroTurf) (32 18 23 29-0001)</b> Note: Includes labor, equipment and material required to install the task.		
32 18 23 29-0003			<b>Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT) (32 18 23 29-0002)</b>		
32 18 23 29-0004			<b>38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 38) (32 18 23 29-0003)</b>		
32 18 23 29-0005	SF		38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 38) .....	4.35	
			<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
			<i>For Cryo Rubber Infill, Add</i>	0.26	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
			<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0006	EA		Football Markings For AstroTurf® GameDay Grass™ MT 38 Fields .....	15,365.50	
32 18 23 29-0007	EA		Baseball Markings For AstroTurf® GameDay Grass™ MT 38 Fields .....	12,524.33	
32 18 23 29-0008	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 38 Fields.....	3,768.90	
			Note: Per sport.		
32 18 23 29-0009	EA		Endzone Lettering For AstroTurf® GameDay Grass™ MT 38 Fields .....	1,391.59	
			Note: Per letter. Excludes outline.		
32 18 23 29-0010	EA		Colored Endzone For AstroTurf® GameDay Grass™ MT 38 Fields.....	1,333.61	
			Note: Per endzone.		
32 18 23 29-0011	EA		Simple Logo For AstroTurf® GameDay Grass™ MT 38 Fields .....	11,596.60	
			Note: Block letter.		
32 18 23 29-0012	EA		Deluxe Logo For AstroTurf® GameDay Grass™ MT 38 Fields .....	16,815.07	
			Note: Graphic.		
32 18 23 29-0013			<b>41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 41) (32 18 23 29-0003)</b>		
32 18 23 29-0014	SF		41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 41) .....	4.95	
			<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
			<i>For Cryo Rubber Infill, Add</i>	0.26	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
			<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0015	EA		Football Markings For AstroTurf® GameDay Grass™ MT 41 Fields .....	15,655.50	
32 18 23 29-0016	EA		Baseball Markings For AstroTurf® GameDay Grass™ MT 41 Fields .....	12,988.27	
32 18 23 29-0017	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 41 Fields.....	4,058.83	
			Note: Per sport.		
32 18 23 29-0018	EA		Endzone Lettering For AstroTurf® GameDay Grass™ MT 41 Fields .....	1,507.57	
			Note: Per letter. Excludes outline.		
32 18 23 29-0019	EA		Colored Endzone For AstroTurf® GameDay Grass™ MT 41 Fields.....	1,391.60	
			Note: Per endzone.		
32 18 23 29-0020	EA		Simple Logo For AstroTurf® GameDay Grass™ MT 41 Fields .....	12,176.50	
			Note: Block letter.		
32 18 23 29-0021	EA		Deluxe Logo For AstroTurf® GameDay Grass™ MT 41 Fields .....	17,655.93	
			Note: Graphic.		
32 18 23 29-0022			<b>45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 45) (32 18 23 29-0003)</b>		
32 18 23 29-0023	SF		45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 45) .....	5.08	
			<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
			<i>For Cryo Rubber Infill, Add</i>	0.26	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
			<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0024	EA		Football Markings For AstroTurf® GameDay Grass™ MT 45 Fields .....	15,945.42	
32 18 23 29-0025	EA		Baseball Markings For AstroTurf® GameDay Grass™ MT 45 Fields .....	14,031.97	
32 18 23 29-0026	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 45 Fields.....	4,348.75	
			Note: Per sport.		
32 18 23 29-0027	EA		Endzone Lettering For AstroTurf® GameDay Grass™ MT 45 Fields .....	1,623.53	
			Note: Per letter. Excludes outline.		
32 18 23 29-0028	EA		Colored Endzone For AstroTurf® GameDay Grass™ MT 45 Fields.....	1,449.58	
			Note: Per endzone.		



<b>Exterior Improvements</b>	<b>32</b>
<b>Bases, Ballasts, And Paving</b>	<b>32 10</b>
<b>Athletic And Recreational Surfacing</b>	<b>32 18</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0029 EA Simple Logo For AstroTurf® GameDay Grass™ MT 45 Fields ..... Note: Block letter.	12,756.34	
32 18 23 29-0030 EA Deluxe Logo For AstroTurf® GameDay Grass™ MT 45 Fields ..... Note: Graphic.	18,496.69	
<b>32 18 23 29-0031 Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D) (32 18 23 29-0002)</b>		
<b>32 18 23 29-0032 52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 52) (32 18 23 29-0031)</b>		
32 18 23 29-0033 SF 52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 52) .....	5.90	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.20	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.25	
For Cryo Rubber And Sand Infill, Add	0.30	
32 18 23 29-0034 EA Football Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields .....	16,525.16	
32 18 23 29-0035 EA Baseball Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields .....	17,626.83	
32 18 23 29-0036 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields..... Note: Per sport.	4,928.56	
32 18 23 29-0037 EA Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 52 Fields .....	1,855.46	
Note: Per letter. Excludes outline.		
32 18 23 29-0038 EA Colored Endzone For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	1,565.54	
Note: Per endzone.		
32 18 23 29-0039 EA Simple Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields .....	13,915.92	
Note: Block letter.		
32 18 23 29-0040 EA Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields .....	20,178.08	
Note: Graphic.		
<b>32 18 23 29-0041 60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 60) (32 18 23 29-0031)</b>		
32 18 23 29-0042 SF 60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 60) .....	6.16	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.20	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.25	
For Cryo Rubber And Sand Infill, Add	0.30	
32 18 23 29-0043 EA Football Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields .....	16,815.07	
32 18 23 29-0044 EA Baseball Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields .....	19,598.25	
32 18 23 29-0045 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields..... Note: Per sport.	5,218.47	
32 18 23 29-0046 EA Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 60 Fields .....	1,971.42	
Note: Per letter. Excludes outline.		
32 18 23 29-0047 EA Colored Endzone For AstroTurf® GameDay Grass™ 3DX 60 Fields.....	1,623.52	
Note: Per endzone.		
32 18 23 29-0048 EA Simple Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields .....	14,495.75	
Note: Block letter.		
32 18 23 29-0049 EA Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields .....	21,018.84	
Note: Graphic.		
<b>32 18 23 29-0050 52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 52) (32 18 23 29-0031)</b>		
32 18 23 29-0051 SF 52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 52) .....	6.18	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.20	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.25	
For Cryo Rubber And Sand Infill, Add	0.30	
32 18 23 29-0052 EA Football Markings For AstroTurf® GameDay Grass™ 3D 52 Fields.....	17,104.98	
32 18 23 29-0053 EA Baseball Markings For AstroTurf® GameDay Grass™ 3D 52 Fields.....	19,714.22	
32 18 23 29-0054 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 52 Fields..... Note: Per sport.	5,508.38	
32 18 23 29-0055 EA Endzone Lettering For AstroTurf® GameDay Grass™ 3D 52 Fields.....	2,087.39	
Note: Per letter. Excludes outline.		
32 18 23 29-0056 EA Colored Endzone For AstroTurf® GameDay Grass™ 3D 52 Fields.....	1,681.51	
Note: Per endzone.		
32 18 23 29-0057 EA Simple Logo For AstroTurf® GameDay Grass™ 3D 52 Fields.....	15,075.58	
Note: Block letter.		
32 18 23 29-0058 EA Deluxe Logo For AstroTurf® GameDay Grass™ 3D 52 Fields.....	21,859.59	
Note: Graphic.		
<b>32 18 23 29-0059 60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 60) (32 18 23 29-0031)</b>		

**32 Exterior Improvements****32 10 Bases, Ballasts, And Paving****32 18 Athletic And Recreational Surfacing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0060 SF 60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 60).....	6.33	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.20	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.25	
For Cryo Rubber And Sand Infill, Add	0.30	
32 18 23 29-0061 EA Football Markings For AstroTurf® GameDay Grass™ 3D 60 Fields.....	17,394.90	
32 18 23 29-0062 EA Baseball Markings For AstroTurf® GameDay Grass™ 3D 60 Fields.....	20,989.85	
32 18 23 29-0063 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 60 Fields.....	5,798.30	
Note: Per sport.		
32 18 23 29-0064 EA Endzone Lettering For AstroTurf® GameDay Grass™ 3D 60 Fields.....	2,319.32	
Note: Per letter. Excludes outline.		
32 18 23 29-0065 EA Colored Endzone For AstroTurf® GameDay Grass™ 3D 60 Fields.....	1,739.49	
Note: Per endzone.		
32 18 23 29-0066 EA Simple Logo For AstroTurf® GameDay Grass™ 3D 60 Fields.....	15,655.41	
Note: Block letter.		
32 18 23 29-0067 EA Deluxe Logo For AstroTurf® GameDay Grass™ 3D 60 Fields.....	22,700.34	
Note: Graphic.		
<b>32 18 23 29-0068 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ XPe)</b> (32 18 23 29-0002)		
<b>32 18 23 29-0069 38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 38)</b> (32 18 23 29-0068)		
32 18 23 29-0070 SF 38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 38).....	4.68	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.26	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.31	
For Cryo Rubber And Sand Infill, Add	0.36	
32 18 23 29-0071 EA Football Markings For AstroTurf® GameDay Grass™ XPe 38 Fields.....	14,785.75	
32 18 23 29-0072 EA Baseball Markings For AstroTurf® GameDay Grass™ XPe 38 Fields.....	10,900.87	
32 18 23 29-0073 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 38 Fields.....	3,189.08	
Note: Per sport.		
32 18 23 29-0074 EA Endzone Lettering For AstroTurf® GameDay Grass™ XPe 38 Fields.....	1,159.67	
Note: Per letter. Excludes outline.		
32 18 23 29-0075 EA Colored Endzone For AstroTurf® GameDay Grass™ XPe 38 Fields.....	1,217.65	
Note: Per endzone.		
32 18 23 29-0076 EA Simple Logo For AstroTurf® GameDay Grass™ XPe 38 Fields.....	10,437.00	
Note: Block letter.		
32 18 23 29-0077 EA Deluxe Logo For AstroTurf® GameDay Grass™ XPe 38 Fields.....	15,133.65	
Note: Graphic.		
<b>32 18 23 29-0078 42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 42)</b> (32 18 23 29-0068)		
32 18 23 29-0079 SF 42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 42).....	4.16	
For Ambient Rubber And Sand Infill, Add	0.10	
For Cryo Rubber Infill, Add	0.26	
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.31	
For Cryo Rubber And Sand Infill, Add	0.36	
32 18 23 29-0080 EA Football Markings For AstroTurf® GameDay Grass™ XPe 42 Fields.....	15,075.58	
32 18 23 29-0081 EA Baseball Markings For AstroTurf® GameDay Grass™ XPe 42 Fields.....	11,596.60	
32 18 23 29-0082 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 42 Fields.....	3,478.98	
Note: Per sport.		
32 18 23 29-0083 EA Endzone Lettering For AstroTurf® GameDay Grass™ XPe 42 Fields.....	1,275.63	
Note: Per letter. Excludes outline.		
32 18 23 29-0084 EA Colored Endzone For AstroTurf® GameDay Grass™ XPe 42 Fields.....	1,275.63	
Note: Per endzone.		
32 18 23 29-0085 EA Simple Logo For AstroTurf® GameDay Grass™ XPe 42 Fields.....	11,016.77	
Note: Block letter.		
32 18 23 29-0086 EA Deluxe Logo For AstroTurf® GameDay Grass™ XPe 42 Fields.....	15,974.32	
Note: Graphic.		
<b>32 18 23 29-0087 Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®)</b> (32 18 23 29-0002)		
32 18 23 29-0088 SF Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®).....	9.76	
32 18 23 29-0089 SF Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® PureGrass®).....	8.57	
32 18 23 29-0090 EA Football Markings For AstroTurf® PureGrass® Fields.....	28,610.83	
32 18 23 29-0091 EA Baseball Markings For AstroTurf® PureGrass® Fields.....	33,990.64	
32 18 23 29-0092 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® PureGrass® Fields.....	8,314.26	
Note: Per sport.		
32 18 23 29-0093 EA Endzone Lettering For AstroTurf® PureGrass® Fields.....	3,178.98	
Note: Per letter. Excludes outline.		
32 18 23 29-0094 EA Colored Endzone For AstroTurf® PureGrass® Fields.....	2,359.66	
Note: Per endzone.		
32 18 23 29-0095 EA Simple Logo For AstroTurf® PureGrass® Fields.....	21,236.90	
Note: Block letter.		



<b>Exterior Improvements</b>	<b>32</b>
<b>Bases, Ballasts, And Paving</b>	<b>32 10</b>
<b>Athletic And Recreational Surfacing</b>	<b>32 18</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0096 EA Deluxe Logo For AstroTurf® PureGrass® Fields ..... Note: Graphic.	31,178.47	
<b>32 18 23 29-0097 Synthetic Turf (G9 Turf) (32 18 23 29-0001)</b> Note: Includes labor, equipment and material required to install the task.		
32 18 23 29-0098 SF 2-1/2" Height, 53 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Playmaker Turf) ..... Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos. For >35,000, Deduct	5.28 -0.46	
32 18 23 29-0099 SF 2" Height, 48 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Striker Turf) ..... Note: For all sports other than football. Excludes preparation of sub-base, grooming, sports lines and logos. For >35,000, Deduct	5.23 -0.46	
32 18 23 29-0100 SF 1-3/4" Height, 72 Ounce, Tufted 3/8" Gauge, Two-Color Monofilament Synthetic Turf With Thatch Layer And Acrylic Coated Sand Infill (G9 Turf Perennial Turf) ..... Note: For landscaped areas or playgrounds. Excludes preparation of sub-base, grooming, sports lines and logos.	5.48	
32 18 23 29-0101 EA Football Inlays For G9 Synthetic Turf ..... Note: Includes field grid, numbers, arrows, coach's box and kick off lines.	39,550.91	
32 18 23 29-0102 EA Soccer Inlays For G9 Synthetic Turf .....	17,138.73	
32 18 23 29-0103 EA Boys Lacrosse Inlays For G9 Synthetic Turf .....	17,138.73	
32 18 23 29-0104 EA Girls Lacrosse Inlays For G9 Synthetic Turf .....	17,138.73	
32 18 23 29-0105 EA Field Hockey Inlays For G9 Synthetic Turf .....	17,138.73	
32 18 23 29-0106 EA Endzone Lettering For G9 Synthetic Turf ..... Note: Priced per letter. Includes single color outlining.	1,977.55	
32 18 23 29-0107 SF Ethylene Propylene Diene Monomer (EPDM) Black Infill For G9 Synthetic Turf .....	1.85	
32 18 23 29-0108 SF Ethylene Propylene Diene Monomer (EPDM) Color Infill For G9 Synthetic Turf .....	4.83	
32 18 23 29-0109 SF Styrene-Butadiene Rubber (SBR) Infill For G9 Synthetic Turf .....	1.38	
32 18 23 29-0110 SF Sand Infill For G9 Synthetic Turf .....	0.70	
32 18 23 29-0111 SF Acrylic Coated Sand Infill For G9 Synthetic Turf .....	1.14	
32 18 23 29-0112 EA Gmax Compaction And Hardness Test For G9 Synthetic Turf ..... Note: Includes a comprehensive report.	1,318.36	
32 18 23 29-0113 EA Safety Bridge Over Track For G9 Synthetic Turf .....	13,183.64	
32 18 23 29-0114 SF Clean And Groom Synthetic Turf ..... Note: Includes using equipment to pick up metal particles in the field, air vacuum the top 2-5 mm of infill, clean and screen to remove broken strands, dirt, bandage, etc. For >10,000 To 30,000, Deduct For >30,000 To 60,000, Deduct For >60,000, Deduct	0.43 -0.17 -0.30 -0.33	
32 18 23 29-0115 SF Rejuvenate Synthetic Turf And Reinstall Existing Infill ..... Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes reinstalling the old infill that was removed.	2.96	
32 18 23 29-0116 SF Rejuvenate Synthetic Turf For Installation Of New Infill ..... Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes disposing of the old infill. Excludes new infill.	3.28	
32 18 23 29-0117 SF Drainage Layer For G9 Synthetic Turf ..... Note: Used for drainage over asphalt or on roof tops.	2.69	
32 18 23 29-0118 SF 15 mm, Shock Pad For G9 Synthetic Turf ..... Note: Used for additional Gmax for a stone base field.	1.66	
32 18 23 29-0119 EA Single Visit Repair Call To Repair Up To 300 LF Of Inlay Lines Or Seams On G9 Synthetic Turf ..... Note: Includes field inspection and report.	2,627.40	
32 18 23 29-0120 LF Repair Inlay Lines Or Seams On G9 Synthetic Turf ..... Note: Linear foot price for repairs over the initial repair call maximum of 300 LF.	7.23	
32 18 23 29-0121 LF Nailer Used To Attach G9 Synthetic Turf .....	2.89	
32 18 23 29-0122 SF Removal And Recycling Of Existing Field ..... Note: Includes removal, shipping and recycling of infill, fibers and backing.	2.04	
<b>32 18 23 29-0123 Synthetic Turf (FieldTurf) (32 18 23 29-0001)</b> Note: Includes labor, equipment and material required to install the task.		
32 18 23 29-0124 SF 2" Height, Linked Monofilament Fiber, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Prestige XT 50) ..... Note: Excludes preparation of sub-base, grooming, sports lines and logos.	4.61	
32 18 23 29-0125 SF 2.35" Height, Linked Monofilament Fiber, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Prestige XT 60) ..... Note: Excludes preparation of sub-base, grooming, sports lines and logos.	4.67	
32 18 23 29-0126 SF 2.5" Height, Linked Monofilament Fiber, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Prestige XT 65) ..... Note: Excludes preparation of sub-base, grooming, sports lines and logos.	4.73	
32 18 23 29-0127 SF 2" Height, Straight Monofilament Fiber With Wrapping Yarn, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Prestige XM 50) ..... Note: Excludes preparation of sub-base, grooming, sports lines and logos.	4.67	
32 18 23 29-0128 SF 2.35" Height, Straight Monofilament Fiber With Wrapping Yarn, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Prestige XM 60) ..... Note: Excludes preparation of sub-base, grooming, sports lines and logos.	4.73	
32 18 23 29-0129 SF 2.5" Height, Straight Monofilament Fiber With Wrapping Yarn, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Prestige XM 65) ..... Note: Excludes preparation of sub-base, grooming, sports lines and logos.	4.79	
32 18 23 29-0130 SF 2" Height, Split Film Monofilament Fiber, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Classic) .....	4.54	
32 18 23 29-0131 SF 2.5" Height, Split Film Monofilament Fiber, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Classic) .....	5.02	

**32 Exterior Improvements****32 10 Bases, Ballasts, And Paving****32 18 Athletic And Recreational Surfacing**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0132	SF	2" Height, Spined Monofilament Fiber, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Duraspine Pro).....	4.78	
		Note: Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0133	SF	2.5" Height, Spined Monofilament Fiber, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Duraspine Pro).....	5.19	
		Note: Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0134	SF	2" Height, Concave And Rigid Monofilament Fiber, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Revolution) .....	4.84	
		Note: Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0135	SF	2.5" Height, Concave And Rigid Monofilament Fiber, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Revolution) .....	5.26	
		Note: Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0136	EA	Numbers And Arrows Inlays For FieldTurf Synthetic Turf.....	8,688.94	
		Note: Per field.		
32 18 23 29-0137	EA	Media Lines Inlays For FieldTurf Synthetic Turf.....	5,792.63	
		Note: Per field.		
32 18 23 29-0138	EA	Hash Marks Inlays For FieldTurf Synthetic Turf.....	8,688.94	
		Note: Per field.		
32 18 23 29-0139	EA	Rugby Inlays For FieldTurf Synthetic Turf.....	8,688.94	
		Note: Per field.		
32 18 23 29-0140	EA	Soccer Inlays For FieldTurf Synthetic Turf.....	6,951.15	
		Note: Per field.		
32 18 23 29-0141	EA	Field Hockey Inlays For FieldTurf Synthetic Turf.....	4,634.10	
		Note: Per field.		
32 18 23 29-0142	EA	Lacrosse Inlays For FieldTurf Synthetic Turf .....	4,634.10	
		Note: Per field.		
32 18 23 29-0143	EA	Baseball Inlays For FieldTurf Synthetic Turf .....	4,054.84	
		Note: Per field.		
32 18 23 29-0144	EA	Softball Inlays For FieldTurf Synthetic Turf.....	2,896.31	
		Note: Per field.		
32 18 23 29-0145	EA	Gmax Compaction And Hardness Test For FieldTurf Synthetic Turf.....	1,737.79	
		Note: Per test.		
32 18 23 29-0146	YR	8-Year Maintenance Program For FieldTurf Synthetic Turf .....	4,634.10	
		Note: Per year. Includes GroomRight machine.		
32 18 23 29-0147	EA	GroomRight Machine For FieldTurf Synthetic Turf.....	5,792.63	
32 18 23 29-0148		<b>Synthetic Turf (XGrass®)</b> (32 18 23 29-0001) Note: Includes labor, equipment and material required to install the task. Excludes site preparation, drainage and removal of foreign debris.		
32 18 23 29-0149		<b>Tufted Polyethylene Synthetic Turf (XGrass® PET)</b> (32 18 23 29-0148)		
32 18 23 29-0150		<b>1-1/8" Pile Height, 70 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With Envirofill® Infill (XGrass® PET)</b> (32 18 23 29-0149)		
32 18 23 29-0151	SF	Up To 5,000 SF, 1-1/8" Pile Height, 70 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With Envirofill® Infill (XGrass® PET) .....	8.99	
		For Base And Nailer Board Installation, Add	2.00	
32 18 23 29-0152	SF	>5,000 To 10,000 SF, 1-1/8" Pile Height, 70 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With Envirofill® Infill (XGrass® PET) .....	7.87	
		For Base And Nailer Board Installation, Add	2.00	
32 18 23 29-0153	SF	>10,000 SF, 1-1/8" Pile Height, 70 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With Envirofill® Infill (XGrass® PET).....	7.02	
		For Base And Nailer Board Installation, Add	1.25	
32 18 23 29-0154		<b>Tufted Polyethylene Synthetic Turf With Pad (XGrass® Play)</b> (32 18 23 29-0148)		
32 18 23 29-0155		<b>1-3/4" Pile Height, 50 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With 1" Pad (6' Fall Height) And Envirofill® Infill (XGrass® Play)</b> (32 18 23 29-0154)		
32 18 23 29-0156	SF	Up To 5,000 SF, 1-3/4" Pile Height, 50 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With 1" Pad (6' Fall Height) And Envirofill® Infill (XGrass® Play) .....	8.99	
		For Base And Nailer Board Installation, Add	2.00	
32 18 23 29-0157	SF	>5,000 To 10,000 SF, 1-3/4" Pile Height, 50 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With 1" Pad (6' Fall Height) And Envirofill® Infill (XGrass® Play).....	7.87	
		For Base And Nailer Board Installation, Add	2.00	
32 18 23 29-0158	SF	>10,000 SF, 1-3/4" Pile Height, 50 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With 1" Pad (6' Fall Height) And Envirofill® Infill (XGrass® Play) .....	7.02	
		For Base And Nailer Board Installation, Add	1.25	
32 18 23 29-0159		<b>1-3/4" Pile Height, 50 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With 2" Pad (9' Fall Height) And Envirofill® Infill (XGrass® Play)</b> (32 18 23 29-0154)		
32 18 23 29-0160	SF	Up To 5,000 SF, 1-3/4" Pile Height, 50 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With 2" Pad (9' Fall Height) And Envirofill® Infill (XGrass® Play) .....	9.27	
		For Base And Nailer Board Installation, Add	2.00	
32 18 23 29-0161	SF	>5,000 To 10,000 SF, 1-3/4" Pile Height, 50 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With 2" Pad (9' Fall Height) And Envirofill® Infill (XGrass® Play).....	8.15	
		For Base And Nailer Board Installation, Add	2.00	
32 18 23 29-0162	SF	>10,000 SF, 1-3/4" Pile Height, 50 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With 2" Pad (9' Fall Height) And Envirofill® Infill (XGrass® Play) .....	7.02	
		For Base And Nailer Board Installation, Add	1.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>32 18 23 33 Running Track Surfacing (32 18 23)</b>		
<b>32 18 23 33-001 Running Track Surfacing (32 18 23 33)</b>		
32 18 23 33-0002 SY 2-1/2" Asphaltic Concrete Running Track Surfacing.....	16.21	
<b>32 18 23 33-0003 Running Track Seal And Colored Surfaces (32 18 23 33)</b>		
32 18 23 33-0004 SY 1 Seal Coat, Striping Of Track.....	9.64	
Note: Includes certification.		
<b>32 18 23 39 Synthetic Running Track Surfacing (32 18 23)</b>		
<b>32 18 23 39-0001 Synthetic Running Track Surfacing (XPLODE™) (32 18 23 39)</b>		
Note: Excludes asphalt base. Includes striping.		
32 18 23 39-0002 SY Paved-In-Place Styrene-Butadiene Rubber (SBR) Or Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Synthetic Running Track Surfacing (XPLODE™ M100).....	41.34	3.10
For >5,500, Deduct	-4.55	
For Up To 4,000, Add	14.47	
32 18 23 39-0003 SY Paved-In-Place Styrene-Butadiene Rubber (SBR) Granule Base Mat With Polyurethane Binder Finished With A Textured And Pigmented Polyurethane And Ethylene Propylene Diene Monomer (EPDM) Rubber Structural Spray Coat, Synthetic Running Track Surfacing (XPLODE™ MS200).....	55.49	3.10
For >5,500, Deduct	-6.10	
For Up To 4,000, Add	19.42	
For Custom Color Upgrade, Add	5.27	
For Aliphatic Top Coating, Add	9.99	
32 18 23 39-0004 SY Paved-In-Place Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Two-Component Polyurethane Sealer Layer And Two-Component Polyurethane Wearing Layer With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber, Synthetic Running Track Surfacing (XPLODE™ MSX500).....	93.25	3.10
For >5,500, Deduct	-5.60	
For Up To 4,000, Add	32.64	
For Custom Color Upgrade, Add	7.18	
For Aliphatic Top Coating, Add	13.33	
32 18 23 39-0005 SY Full Pour Two-Component Polyurethane Track System With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber Surface, Synthetic Running Track Surfacing (XPLODE™ MSX5000).....	120.45	3.10
For >5,500, Deduct	-7.23	
For Up To 4,000, Add	42.16	
For Custom Color Upgrade, Add	9.40	
For Aliphatic Top Coating, Add	13.73	
32 18 23 39-0006 SY Latex Binder, Synthetic Running Track Surfacing (XPLODE™ Plexitrac® Lightning).....	37.66	
For >5,500, Deduct	-4.14	
For Up To 4,000, Add	13.18	
32 18 23 39-0007 SY Latex Binder, Synthetic Running Track Surfacing (XPLODE™ Plexitrac® Accelerator).....	42.39	
For >5,500, Deduct	-6.15	
For Up To 4,000, Add	14.84	
32 18 23 39-0008 SY Spray Retop XPLODE™ M100/MS200 Running Tracks.....	37.24	
For Up To 4,000, Add	13.03	
For >5,500, Deduct	-3.64	
32 18 23 39-0009 SY Sandwich Retop XPLODE™ MSX500 Running Tracks.....	72.08	
For Up To 4,000, Add	25.23	
For >5,500, Deduct	-7.60	
32 18 23 39-0010 SY Retop XPLODE™ Plexitrac® Lightning Running Tracks.....	20.96	
Note: Two layers.		
For Up To 4,000, Add	7.34	
For >5,500, Deduct	-3.47	
32 18 23 39-0011 SY Retop XPLODE™ Plexitrac® Accelerator Running Tracks.....	25.53	
Note: Two layers.		
For Up To 4,000, Add	8.94	
For >5,500, Deduct	-3.47	
32 18 23 39-0012 EA Restripe XPLODE™ Running Track.....	8,665.94	
Note: Includes two coats of acrylic resurfacer and two coats of color.		
For College Track Restriping, Add	1,575.62	
<b>32 18 23 53 Tennis Court Surfacing (32 18 23)</b>		
<b>32 18 23 53-0001 Tennis Court Surfacing (32 18 23 53)</b>		
See CSI section 32 18 23 61-0001 for 100% acrylic tennis court surfacing.		
32 18 23 53-0002 SY Tennis Court Bituminous Pavement, 2-1/2" Thick.....	17.12	
<b>32 18 23 53-0003 Tennis Court Markings (32 18 23 53)</b>		
32 18 23 53-0004 EA Paint Markings On Asphalt Tennis Court 2 Coats.....	248.89	
<b>32 18 23 56 Natural Tennis Court Surfacing (32 18 23)</b>		
32 18 23 56-0001 SY Clay Tennis Court.....	23.99	
32 18 23 56-0002 SY Tennis Court, Pulverized Natural Greenstone, Fast Dry.....	26.71	
Note: Includes 4" base.		
32 18 23 56-0003 SY Tennis Court, Rubber-Cork Base Resilient Pavement.....	15.86	
32 18 23 56-0004 SY Resurface Clay Tennis Court.....	6.89	



**32 Exterior Improvements****32 10 Bases, Ballasts, And Paving****32 18 Athletic And Recreational Surfacing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 56-0005	SY		Resurface Tennis Court, Pulverized Natural Greenstone .....	5.82	
32 18 23 56-0006	SY		Resurface Tennis Court, Resilient Pavement .....	5.31	
<b>32 18 23 61 Multi-Use, Tennis Court, Basketball Court Athletic Surfacing (32 18 23)</b>					
32 18 23 61-0001			100% Acrylic Athletic Surfacing System (Plexipave®) (32 18 23 61) Note: Excludes asphalt or concrete sub base and repairs of sub base.		
32 18 23 61-0002			Surface Preparation For Athletic Surfacing System (Plexipave®) (32 18 23 61-0001)		
32 18 23 61-0003	SY		100% Acrylic Resurfacer, Athletic Surfacing System (California Products Plexipave® Acrylic Resurfacer), Per Coat.....	0.85	
			Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
32 18 23 61-0004	SY		Acid Etching Concrete Pre-Treatment For Plexipave® Athletic Surfacing System (California Products Plexipave® Concrete Preparer®), Per Coat .....	0.49	
			Note: For previously uncoated portland cement concrete. Applied with broom.		
32 18 23 61-0005	SY		Two-Part, Water Based Epoxy Primer For Plexipave® Athletic Surfacing System (California Products Plexipave® Ti-Coat®), Per Coat.....	1.28	
			Note: For new or uncoated portland cement concrete. Applied with a short nap phenolic roller.		
32 18 23 61-0006	SY		Up To 1/2" Thick, Acrylic Latex Patching Compound, Athletic Surfacing System (California Products Plexipave® Court Patch Binder), Per Coat.....	55.54	
			Note: For patching depressions and uneven texture in new or existing asphalt or concrete surfaces. Includes ultra fine silica sand and portland cement. Applied with trowel or metal screed.		
32 18 23 61-0007			Surface Coatings For Athletic Surfacing System (Plexipave®) (32 18 23 61-0001) Note: Standard colors include dark green, Florida green, light green, maroon, Sahara sand, brown, California red, and cape gray.		
32 18 23 61-0008	SY		100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), First Coat.....	2.14	
			Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
			For Pacific Blue, Add	0.14	
			For US Open Blue, Add	0.49	
32 18 23 61-0009	SY		100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Second Coat.....	1.67	
			Note: Includes ultra fine silica sand. Applied with rubber squeegee.		
			For Pacific Blue, Add	0.10	
			For US Open Blue, Add	0.35	
32 18 23 61-0010	SY		100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Third Coat.....	1.41	
			Note: Price per coat for third or additional coats. Includes ultra fine silica sand. Applied with rubber squeegee.		
			For Pacific Blue, Add	0.08	
			For US Open Blue, Add	0.27	
32 18 23 61-0011	SY		Non-Textured, 100% Acrylic Emulsion Color Coating Finish, Athletic Surfacing System (California Products Plexipave® Plexichrome®), Per Coat.....	1.51	
			Note: Non-textured finish coat over Plexipave® for faster playing surfaces. Applied with rubber squeegee followed by wide hair-type push broom.		
			For Pacific Blue, Add	0.04	
			For US Open Or Australian Open Blue, Add	0.32	
			For Pro Purple, Add	0.82	
32 18 23 61-0012			Line Striping For Athletic Surfacing System (Plexipave®) (32 18 23 61-0001)		
32 18 23 61-0013	SY		Tennis Or Basketball Court Line Striping For Athletic Surfacing System, Per SY Of Court (California Products Plexipave® Hi-Hide Plexicolor®) .....	0.73	
			Note: Textured or non-textured highly reflective line marking paint.		
32 18 23 61-0014			Cushion Coatings For Athletic Surfacing System (Plexipave® Plexicushion®) (32 18 23 61-0001)		
32 18 23 61-0015	SY		Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), First Coat .....	3.77	
			Note: Applied with rubber squeegee.		
32 18 23 61-0016	SY		Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Second Coat .....	5.30	
			Note: Applied with rubber squeegee.		
32 18 23 61-0017	SY		Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Third Coat .....	4.50	
			Note: Price per coat for third or additional coats. Applied with rubber squeegee.		
32 18 23 61-0018	SY		Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), First Coat.....	3.26	
			Note: Applied with rubber squeegee.		
32 18 23 61-0019	SY		Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), Second Coat.....	2.39	
			Note: Price per coat for second or additional coats. Applied with rubber squeegee.		
32 18 23 61-0020			Resurface Athletic Court (32 18 23 61) Note: Excludes asphalt or concrete sub base and repairs of sub base.		
32 18 23 61-0021	SY		Court Resurfacing System, 2 Coats Resurfacer, 2 Coats Color, And Sand (SealMaster) .....	1.35	

**32 30 Site Improvements (32)**



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**32 31 Fences And Gates** (32 30)

**32 31 11 Gate Operators** (32 31)

**32 31 11 00-0001 Gate Operators** (32 31 11)

Note: Excludes gates, electrical connections, access controls and concrete foundation.

**32 31 11 00-0002 Swing Gate Actuator** (32 31 11 00-0001)

**32 31 11 00-0003 Single Gate, Swing Gate Actuator** (32 31 11 00-0002)

32 31 11 00-0004	EA	Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6003).....	1,135.58	97.41
		Note: Includes one primary operator with a 10' wide gate capacity.		
32 31 11 00-0005	EA	Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6002).....	1,543.23	97.41
		Note: Includes one primary operator with a 14' wide gate capacity.		

**32 31 11 00-0006 Dual Gate, Swing Gate Actuator** (32 31 11 00-0002)

32 31 11 00-0007	EA	Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6003).....	2,271.16	194.83
		Note: Includes one primary and one secondary operator each with a 10' wide gate capacity.		
32 31 11 00-0008	EA	Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6002).....	3,086.47	194.83
		Note: Includes one primary and one secondary operator each with a 14' wide gate capacity.		

**32 31 11 00-0009 Swing Gate Operators** (32 31 11 00-0001)

**32 31 11 00-0010 Single Gate, Swing Gate Operators** (32 31 11 00-0009)

32 31 11 00-0011	EA	400 LB Capacity, Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6050).....	2,410.81	97.41
		Note: Includes one primary operator with a 10' wide and 400 LB gate capacity.		
32 31 11 00-0012	EA	500 LB Capacity, Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6100).....	2,630.32	97.41
		Note: Includes one primary operator with a 14' wide and 500 LB gate capacity.		
32 31 11 00-0013	EA	700 LB Capacity, Up To 18' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500).....	3,602.43	97.41
		Note: Includes one primary operator with an 18' wide and 700 LB gate capacity.		
		<i>For 208/230/460 Volt AC, Add</i>	322.50	
32 31 11 00-0014	EA	800 LB Capacity, Up To 22' Wide Gate, 1 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500).....	4,093.71	97.41
		Note: Includes one primary operator with a 22' wide and 800 LB gate capacity.		
		<i>For 208/230/460 Volt AC, Add</i>	322.50	

**32 31 11 00-0015 Dual Gate, Swing Gate Operators** (32 31 11 00-0009)

32 31 11 00-0016	EA	400 LB Capacity, Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6050).....	4,246.72	194.83
		Note: Includes one primary and one secondary operator each with a 10' wide and 400 LB gate capacity.		
32 31 11 00-0017	EA	500 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6100).....	4,685.74	194.83
		Note: Includes one primary and one secondary operator each with a 14' wide and 500 LB gate capacity.		
32 31 11 00-0018	EA	700 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500).....	6,619.50	194.83
		Note: Includes one primary and one secondary operator each with an 18' wide and 700 LB gate capacity.		
		<i>For 208/230/460 Volt AC, Add</i>	322.50	
32 31 11 00-0019	EA	800 LB Capacity, Up To 22' Wide Gates, 1 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500).....	7,696.13	194.83
		Note: Includes one primary and one secondary operator each with a 22' wide and 800 LB gate capacity.		
		<i>For 208/230/460 Volt AC, Add</i>	322.50	

**32 31 11 00-0020 Sliding Gate Operators** (32 31 11 00-0001)

Note: Includes 20' of chain. See CSI section 32 31 11 00-0029 for additional chain over 20'.

32 31 11 00-0021	EA	300 LB Capacity, Up To 16' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9050).....	1,919.53	97.41
		Note: Includes operator, chain brackets, hardware and 20' of #41 chain.		
32 31 11 00-0022	EA	1,000 LB Capacity, Up To 30' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9100).....	2,742.46	116.89
		Note: Includes operator, chain brackets, hardware and 20' of #41 chain.		
32 31 11 00-0023	EA	1,500 LB Capacity, Up To 45' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9150).....	3,474.15	116.89
		Note: Includes operator, chain brackets, hardware and 20' of #40 chain.		
32 31 11 00-0024	EA	3,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9210).....	4,584.51	136.38
		Note: Includes operator, chain brackets, hardware and 20' of #50 chain.		
32 31 11 00-0025	EA	2,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9220).....	5,713.41	136.38
		Note: Includes operator, chain brackets, hardware and 20' of #50 chain.		
32 31 11 00-0026	EA	5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9230).....	7,884.74	155.86
		Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0027	EA	5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9530).....	13,482.18	155.86
		Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	32 31 11 00-0028	EA	10,000 LB Capacity, Up To 160' Wide Gate, 5 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9550).....	23,116.78	175.34
			Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
	<b>32 31 11 00-0029</b>		<b>Accessories For Gate Actuators And Operators</b> (32 31 11 00-0001)		
	32 31 11 00-0030	EA	Single Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9410).....	344.91	
	32 31 11 00-0031	EA	Two Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9409).....	667.86	
	32 31 11 00-0032	EA	Heater Kit For Gate Actuators And Operators (DKS™ DoorKing® 1601).....	496.05	
	32 31 11 00-0033	EA	Photoelectric Eye For Gate Actuators And Operators (DKS™ DoorKing® 8080-031).....	524.55	
	32 31 11 00-0034	EA	Reversing Edge Sensor For Gate Actuators And Operators (DKS™ DoorKing® 8080-020).....	461.83	
	32 31 11 00-0035	EA	Post Mount Base Plate For Gate Actuators And Operators (DKS™ DoorKing® 9310).....	310.27	
	32 31 11 00-0036	LF	#40 Chain For Sliding Gate Operators.....	7.18	
	32 31 11 00-0037	LF	#41 Chain For Sliding Gate Operators.....	5.62	
	32 31 11 00-0038	LF	#50 Chain For Sliding Gate Operators.....	8.05	
	32 31 11 00-0039	LF	#60 Chain For Sliding Gate Operators.....	7.62	
	32 31 11 00-0040	EA	Exterior Keypad Gate Operator (Linear AK-11).....	417.41	91.89
	<b>32 31 13</b>		<b>Chain Link Fences And Gates</b> (32 31)		
	<b>32 31 13 13</b>		<b>Chain Link Fences And Gates</b> (32 31 13)		
	<b>32 31 13 13-0001</b>		<b>Post Holes</b> (32 31 13 13)		
			Note: Excludes spreading of excess material on site or loading and removal of excavated material from site. See CSI section 02 41 19 13-0082 for core drilling in concrete, 02 41 19 13-0220 for core drilling in asphalt.		
	<b>32 31 13 13-0002</b>		<b>Auger By Machine Fence Post Hole In Soil</b> (32 31 13 13-0001)		
	32 31 13 13-0003	VLF	Up To 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	4.77	
	32 31 13 13-0004	VLF	2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	5.37	
	32 31 13 13-0005	VLF	3" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	6.36	
	32 31 13 13-0006	VLF	4" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	7.16	
	32 31 13 13-0007	VLF	6" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	7.81	
	32 31 13 13-0008	VLF	8" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	8.59	
	32 31 13 13-0009	VLF	10" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	9.55	
	32 31 13 13-0010	VLF	12" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	10.74	
	32 31 13 13-0011	VLF	18" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	12.28	
	32 31 13 13-0012	VLF	24" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	14.32	
	32 31 13 13-0013	VLF	30" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	17.18	
	32 31 13 13-0014	VLF	36" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	21.49	
	<b>32 31 13 13-0015</b>		<b>Post Hole In Rock</b> (32 31 13 13-0001)		
	32 31 13 13-0016	CF	Jackhammer Post Hole In Rock.....	32.31	
	32 31 13 13-0017	CF	Rock Drill Post Hole In Rock.....	12.10	
	<b>32 31 13 13-0018</b>		<b>Fill For Post Holes</b> (32 31 13 13-0001)		
	<b>32 31 13 13-0019</b>		<b>Concrete Fill For Post Holes</b> (32 31 13 13-0018)		
	32 31 13 13-0020	VLF	Up To 2-1/2" Diameter, Concrete Fill For Post Hole.....	4.21	
	32 31 13 13-0021	VLF	2-1/2" Diameter, Concrete Fill For Post Hole.....	5.36	
	32 31 13 13-0022	VLF	3" Diameter, Concrete Fill For Post Hole.....	6.09	
	32 31 13 13-0023	VLF	4" Diameter, Concrete Fill For Post Hole.....	7.46	
	32 31 13 13-0024	VLF	6" Diameter, Concrete Fill For Post Hole.....	10.81	
	32 31 13 13-0025	VLF	8" Diameter, Concrete Fill For Post Hole.....	14.44	
	32 31 13 13-0026	VLF	10" Diameter, Concrete Fill For Post Hole.....	17.81	
	32 31 13 13-0027	VLF	12" Diameter, Concrete Fill For Post Hole.....	21.05	
	32 31 13 13-0028	VLF	18" Diameter, Concrete Fill For Post Hole.....	30.02	
	32 31 13 13-0029	VLF	24" Diameter, Concrete Fill For Post Hole.....	38.61	
	32 31 13 13-0030	VLF	30" Diameter, Concrete Fill For Post Hole.....	47.09	
	32 31 13 13-0031	VLF	36" Diameter, Concrete Fill For Post Hole.....	56.11	
	<b>32 31 13 13-0032</b>		<b>Grout Fill For Post Holes</b> (32 31 13 13-0018)		
	32 31 13 13-0033	VLF	Up To 2-1/2" Diameter, Grout Fill For Post Hole.....	4.57	
	32 31 13 13-0034	VLF	2-1/2" Diameter, Grout Fill For Post Hole.....	5.85	
	32 31 13 13-0035	VLF	3" Diameter, Grout Fill For Post Hole.....	6.58	
	32 31 13 13-0036	VLF	4" Diameter, Grout Fill For Post Hole.....	7.86	
	32 31 13 13-0037	VLF	6" Diameter, Grout Fill For Post Hole.....	11.30	
	32 31 13 13-0038	VLF	8" Diameter, Grout Fill For Post Hole.....	15.08	
	32 31 13 13-0039	VLF	10" Diameter, Grout Fill For Post Hole.....	18.55	
	32 31 13 13-0040	VLF	12" Diameter, Grout Fill For Post Hole.....	21.83	
	32 31 13 13-0041	VLF	18" Diameter, Grout Fill For Post Hole.....	30.68	
	32 31 13 13-0042	VLF	24" Diameter, Grout Fill For Post Hole.....	39.00	
	32 31 13 13-0043	VLF	30" Diameter, Grout Fill For Post Hole.....	47.22	
	32 31 13 13-0044	VLF	36" Diameter, Grout Fill For Post Hole.....	55.87	
	<b>32 31 13 13-0045</b>		<b>Compacted Earth Fill For Post Holes</b> (32 31 13 13-0018)		
	32 31 13 13-0046	VLF	Up To 2-1/2" Diameter, Compacted Earth Fill For Post Hole.....	2.16	
	32 31 13 13-0047	VLF	2-1/2" Diameter, Compacted Earth Fill For Post Hole.....	2.83	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0048 VLF 3" Diameter, Compacted Earth Fill For Post Hole.....	2.96	
32 31 13 13-0049 VLF 4" Diameter, Compacted Earth Fill For Post Hole.....	3.04	
32 31 13 13-0050 VLF 6" Diameter, Compacted Earth Fill For Post Hole.....	4.06	
32 31 13 13-0051 VLF 8" Diameter, Compacted Earth Fill For Post Hole.....	5.41	
32 31 13 13-0052 VLF 10" Diameter, Compacted Earth Fill For Post Hole.....	6.49	
32 31 13 13-0053 VLF 12" Diameter, Compacted Earth Fill For Post Hole.....	7.36	
32 31 13 13-0054 VLF 18" Diameter, Compacted Earth Fill For Post Hole.....	8.97	
32 31 13 13-0055 VLF 24" Diameter, Compacted Earth Fill For Post Hole.....	10.06	
32 31 13 13-0056 VLF 30" Diameter, Compacted Earth Fill For Post Hole.....	11.04	
32 31 13 13-0057 VLF 36" Diameter, Compacted Earth Fill For Post Hole.....	11.90	
<b>32 31 13 13-0058 Fence Posts</b> <small>(32 31 13 13)</small>		
Note: Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0001 for drilling for augering holes and backfill.		
<b>32 31 13 13-0059 Fence Posts</b> <small>(32 31 13 13-0058)</small>		
<b>32 31 13 13-0060 1-7/8" H-Beam Post Without Top Rail Fitting, Galvanized Steel</b> <small>(32 31 13 13-0059)</small>		
Note: Includes cap and accessories.		
32 31 13 13-0061 LF 1-7/8" Galvanized H-beam Post, Up To 6' In Length .....	10.43	1.24
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0062 LF 1-7/8" Galvanized H-beam Post, 7' To 10' In Length .....	10.08	1.06
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0063 LF 1-7/8" Galvanized H-beam Post, 11' To 15' In Length .....	9.65	0.88
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0064 LF 1-7/8" Galvanized H-beam Post, 16' To 20' In Length .....	9.30	0.69
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0065 LF 1-7/8" Galvanized H-beam Post, 21' To 24' In Length .....	9.07	0.59
For Each Top Rail Fitting, Add	0.85	
32 31 13 13-0066 LF 1-7/8" Galvanized H-beam Post, >24' In Length.....	8.71	0.41
For Each Top Rail Fitting, Add	0.85	
<b>32 31 13 13-0067 Post Without Top Rail Fitting, Galvanized Steel (1.66" Nominal)</b> <small>(32 31 13 13-0059)</small>		
Note: 1-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0068 LF 1-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length .....	6.73	1.15
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.11	
For Vinyl Coated, Add	2.66	
For Powder Coated, Add	3.54	
For Aluminum Coated, Add	5.54	
For Schedule 20, Deduct	-0.89	
For Schedule 80, Add	2.36	
32 31 13 13-0069 LF 1-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length .....	6.37	0.97
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.11	
For Vinyl Coated, Add	2.66	
For Powder Coated, Add	3.54	
For Aluminum Coated, Add	5.54	
For Schedule 20, Deduct	-0.89	
For Schedule 80, Add	2.32	
32 31 13 13-0070 LF 1-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	5.98	0.78
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.11	
For Vinyl Coated, Add	2.66	
For Powder Coated, Add	3.54	
For Aluminum Coated, Add	5.54	
For Schedule 20, Deduct	-0.89	
For Schedule 80, Add	2.28	
32 31 13 13-0071 LF 1-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	5.67	0.59
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.11	
For Vinyl Coated, Add	2.66	
For Powder Coated, Add	3.54	
For Aluminum Coated, Add	5.54	
For Schedule 20, Deduct	-0.89	
For Schedule 80, Add	2.25	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0072	LF		1-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	5.47	0.51
			<i>For Each Top Rail Fitting, Add</i>	0.85	
			<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
			<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.11	
			<i>For Vinyl Coated, Add</i>	2.66	
			<i>For Powder Coated, Add</i>	3.54	
			<i>For Aluminum Coated, Add</i>	5.54	
			<i>For Schedule 20, Deduct</i>	-0.89	
			<i>For Schedule 80, Add</i>	2.23	
32 31 13 13-0073	LF		1-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	5.25	0.41
			<i>For Each Top Rail Fitting, Add</i>	0.85	
			<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
			<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.11	
			<i>For Vinyl Coated, Add</i>	2.66	
			<i>For Powder Coated, Add</i>	3.54	
			<i>For Aluminum Coated, Add</i>	5.54	
			<i>For Schedule 20, Deduct</i>	-0.89	
			<i>For Schedule 80, Add</i>	2.21	
<b>32 31 13 13-0074</b>			<b>Post Without Top Rail Fitting, Galvanized Steel (1.90" Nominal)</b> <small>(32 31 13 13-0059)</small>		
			Note: 2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0075	LF		2" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	7.79	1.20
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.35	
			<i>For Vinyl Coated, Add</i>	3.25	
			<i>For Powder Coated, Add</i>	4.33	
			<i>For Aluminum Coated, Add</i>	6.76	
			<i>For Schedule 20, Deduct</i>	-1.08	
			<i>For Schedule 80, Add</i>	2.83	
32 31 13 13-0076	LF		2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	7.47	1.01
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.35	
			<i>For Vinyl Coated, Add</i>	3.25	
			<i>For Powder Coated, Add</i>	4.33	
			<i>For Aluminum Coated, Add</i>	6.76	
			<i>For Schedule 20, Deduct</i>	-1.08	
			<i>For Schedule 80, Add</i>	2.80	
32 31 13 13-0077	LF		2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	7.06	0.83
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.35	
			<i>For Vinyl Coated, Add</i>	3.25	
			<i>For Powder Coated, Add</i>	4.33	
			<i>For Aluminum Coated, Add</i>	6.76	
			<i>For Schedule 20, Deduct</i>	-1.08	
			<i>For Schedule 80, Add</i>	2.76	
32 31 13 13-0078	LF		2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	6.73	0.64
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.35	
			<i>For Vinyl Coated, Add</i>	3.25	
			<i>For Powder Coated, Add</i>	4.33	
			<i>For Aluminum Coated, Add</i>	6.76	
			<i>For Schedule 20, Deduct</i>	-1.08	
			<i>For Schedule 80, Add</i>	2.73	
32 31 13 13-0079	LF		2" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	6.50	0.56
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.35	
			<i>For Vinyl Coated, Add</i>	3.25	
			<i>For Powder Coated, Add</i>	4.33	
			<i>For Aluminum Coated, Add</i>	6.76	
			<i>For Schedule 20, Deduct</i>	-1.08	
			<i>For Schedule 80, Add</i>	2.71	
32 31 13 13-0080	LF		2" Outside Diameter Galvanized Steel Post, >24' In Length.....	6.30	0.46
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.35	
			<i>For Vinyl Coated, Add</i>	3.25	
			<i>For Powder Coated, Add</i>	4.33	
			<i>For Aluminum Coated, Add</i>	6.76	
			<i>For Schedule 20, Deduct</i>	-1.08	
			<i>For Schedule 80, Add</i>	2.69	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>32 31 13 13-0081 Post Without Top Rail Fitting, Galvanized Steel (2.375" Nominal)</b> <small>(32 31 13 13-0059)</small>		
<small>Note: 2-1/2" outside diameter, Schedule 40. Includes cap and accessories.</small>		
32 31 13 13-0082 LF 2-1/2" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	9.70	1.29
<i>For Each Top Rail Fitting, Add</i>	1.35	
<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.80	
<i>For Vinyl Coated, Add</i>	4.31	
<i>For Powder Coated, Add</i>	5.75	
<i>For Aluminum Coated, Add</i>	8.99	
<i>For Schedule 20, Deduct</i>	-1.44	
<i>For Schedule 80, Add</i>	3.70	
32 31 13 13-0083 LF 2-1/2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	9.35	1.10
<i>For Each Top Rail Fitting, Add</i>	1.35	
<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.80	
<i>For Vinyl Coated, Add</i>	4.31	
<i>For Powder Coated, Add</i>	5.75	
<i>For Aluminum Coated, Add</i>	8.99	
<i>For Schedule 20, Deduct</i>	-1.44	
<i>For Schedule 80, Add</i>	3.67	
32 31 13 13-0084 LF 2-1/2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	8.92	0.88
<i>For Each Top Rail Fitting, Add</i>	1.35	
<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.80	
<i>For Vinyl Coated, Add</i>	4.31	
<i>For Powder Coated, Add</i>	5.75	
<i>For Aluminum Coated, Add</i>	8.99	
<i>For Schedule 20, Deduct</i>	-1.44	
<i>For Schedule 80, Add</i>	3.62	
32 31 13 13-0085 LF 2-1/2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	8.57	0.69
<i>For Each Top Rail Fitting, Add</i>	1.35	
<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.80	
<i>For Vinyl Coated, Add</i>	4.31	
<i>For Powder Coated, Add</i>	5.75	
<i>For Aluminum Coated, Add</i>	8.99	
<i>For Schedule 20, Deduct</i>	-1.44	
<i>For Schedule 80, Add</i>	3.59	
32 31 13 13-0086 LF 2-1/2" Outside Diameter Galvanized Steel Post, 21 To 24' In Length.....	8.34	0.59
<i>For Each Top Rail Fitting, Add</i>	1.35	
<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.80	
<i>For Vinyl Coated, Add</i>	4.31	
<i>For Powder Coated, Add</i>	5.75	
<i>For Aluminum Coated, Add</i>	8.99	
<i>For Schedule 20, Deduct</i>	-1.44	
<i>For Schedule 80, Add</i>	3.57	
32 31 13 13-0087 LF 2-1/2" Outside Diameter Galvanized Steel Post, >24' In Length.....	8.13	0.46
<i>For Each Top Rail Fitting, Add</i>	1.35	
<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.80	
<i>For Vinyl Coated, Add</i>	4.31	
<i>For Powder Coated, Add</i>	5.75	
<i>For Aluminum Coated, Add</i>	8.99	
<i>For Schedule 20, Deduct</i>	-1.44	
<i>For Schedule 80, Add</i>	3.55	
<b>32 31 13 13-0088 Post Without Top Rail Fitting, Galvanized Steel (2.875" Nominal)</b> <small>(32 31 13 13-0059)</small>		
<small>Note: 3" outside diameter, Schedule 40. Includes cap and accessories.</small>		
32 31 13 13-0089 LF 3" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	13.51	1.38
<i>For Each Top Rail Fitting, Add</i>	1.85	
<i>For Each Single Barbed Wire Arm, Add</i>	3.85	
<i>For Each Double Barbed Wire Arm, Add</i>	7.05	
<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.69	
<i>For Vinyl Coated, Add</i>	6.45	
<i>For Powder Coated, Add</i>	8.60	
<i>For Aluminum Coated, Add</i>	13.44	
<i>For Schedule 20, Deduct</i>	-2.15	
<i>For Schedule 80, Add</i>	5.44	
32 31 13 13-0090 LF 3" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	13.13	1.20
<i>For Each Top Rail Fitting, Add</i>	1.85	
<i>For Each Single Barbed Wire Arm, Add</i>	3.85	
<i>For Each Double Barbed Wire Arm, Add</i>	7.05	
<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.69	
<i>For Vinyl Coated, Add</i>	6.45	
<i>For Powder Coated, Add</i>	8.60	
<i>For Aluminum Coated, Add</i>	13.44	
<i>For Schedule 20, Deduct</i>	-2.15	
<i>For Schedule 80, Add</i>	5.40	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0091 LF 3" Outside Diameter Galvanized Steel Post, 11' To 15' In Length .....	12.67	0.97
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.69	
For Vinyl Coated, Add	6.45	
For Powder Coated, Add	8.60	
For Aluminum Coated, Add	13.44	
For Schedule 20, Deduct	-2.15	
For Schedule 80, Add	5.35	
32 31 13 13-0092 LF 3" Outside Diameter Galvanized Steel Post, 16' To 20' In Length .....	12.28	0.78
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.69	
For Vinyl Coated, Add	6.45	
For Powder Coated, Add	8.60	
For Aluminum Coated, Add	13.44	
For Schedule 20, Deduct	-2.15	
For Schedule 80, Add	5.31	
32 31 13 13-0093 LF 3" Outside Diameter Galvanized Steel Post, 21' To 24' In Length .....	12.03	0.64
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.69	
For Vinyl Coated, Add	6.45	
For Powder Coated, Add	8.60	
For Aluminum Coated, Add	13.44	
For Schedule 20, Deduct	-2.15	
For Schedule 80, Add	5.29	
32 31 13 13-0094 LF 3" Outside Diameter Galvanized Steel Post, >24' In Length .....	11.79	0.51
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.69	
For Vinyl Coated, Add	6.45	
For Powder Coated, Add	8.60	
For Aluminum Coated, Add	13.44	
For Schedule 20, Deduct	-2.15	
For Schedule 80, Add	5.26	
<b>32 31 13 13-0095 Post Without Top Rail Fitting, Galvanized Steel, (4" Nominal)</b> <small>(32 31 13 13-0059)</small>		
Note: 4" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0096 LF 4" Outside Diameter Galvanized Steel Post, Up To 6' In Length .....	20.37	1.47
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	4.37	
For Vinyl Coated, Add	10.48	
For Powder Coated, Add	13.98	
For Aluminum Coated, Add	21.84	
For Schedule 20, Deduct	-3.49	
For Schedule 80, Add	8.68	
32 31 13 13-0097 LF 4" Outside Diameter Galvanized Steel Post, 7' To 10' In Length .....	19.89	1.20
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	4.37	
For Vinyl Coated, Add	10.48	
For Powder Coated, Add	13.98	
For Aluminum Coated, Add	21.84	
For Schedule 20, Deduct	-3.49	
For Schedule 80, Add	8.63	
32 31 13 13-0098 LF 4" Outside Diameter Galvanized Steel Post, 11' To 15' In Length .....	19.48	1.01
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	4.37	
For Vinyl Coated, Add	10.48	
For Powder Coated, Add	13.98	
For Aluminum Coated, Add	21.84	
For Schedule 20, Deduct	-3.49	
For Schedule 80, Add	8.59	
32 31 13 13-0099 LF 4" Outside Diameter Galvanized Steel Post, 16' To 20' In Length .....	19.08	0.83
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	4.37	
For Vinyl Coated, Add	10.48	
For Powder Coated, Add	13.98	
For Aluminum Coated, Add	21.84	
For Schedule 20, Deduct	-3.49	
For Schedule 80, Add	8.55	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0100 LF 4" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	19.08	0.83
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	4.37	
For Vinyl Coated, Add	10.48	
For Powder Coated, Add	13.98	
For Aluminum Coated, Add	21.84	
For Schedule 20, Deduct	-3.49	
For Schedule 80, Add	8.55	
32 31 13 13-0101 LF 4" Outside Diameter Galvanized Steel Post, >24' In Length.....	18.62	0.59
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	4.37	
For Vinyl Coated, Add	10.48	
For Powder Coated, Add	13.98	
For Aluminum Coated, Add	21.84	
For Schedule 20, Deduct	-3.49	
For Schedule 80, Add	8.50	
<b>32 31 13 13-0102 Post Without Top Rail Fitting, Galvanized Steel (6.625" Nominal)</b> <small>(32 31 13 13-0059)</small>		
<small>Note: 6-5/8" outside diameter, Schedule 40. Includes cap and accessories.</small>		
32 31 13 13-0103 LF 6-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	40.26	1.61
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	9.26	
For Vinyl Coated, Add	22.22	
For Powder Coated, Add	29.63	
For Aluminum Coated, Add	46.30	
For Schedule 20, Deduct	-7.41	
For Schedule 80, Add	18.10	
32 31 13 13-0104 LF 6-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	39.74	1.34
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	9.26	
For Vinyl Coated, Add	22.22	
For Powder Coated, Add	29.63	
For Aluminum Coated, Add	46.30	
For Schedule 20, Deduct	-7.41	
For Schedule 80, Add	18.05	
32 31 13 13-0105 LF 6-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	39.28	1.10
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	9.26	
For Vinyl Coated, Add	22.22	
For Powder Coated, Add	29.63	
For Aluminum Coated, Add	46.30	
For Schedule 20, Deduct	-7.41	
For Schedule 80, Add	18.00	
32 31 13 13-0106 LF 6-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	38.83	0.88
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	9.26	
For Vinyl Coated, Add	22.22	
For Powder Coated, Add	29.63	
For Aluminum Coated, Add	46.30	
For Schedule 20, Deduct	-7.41	
For Schedule 80, Add	17.96	
32 31 13 13-0107 LF 6-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	38.57	0.78
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	9.26	
For Vinyl Coated, Add	22.22	
For Powder Coated, Add	29.63	
For Aluminum Coated, Add	46.30	
For Schedule 20, Deduct	-7.41	
For Schedule 80, Add	17.93	
32 31 13 13-0108 LF 6-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	38.32	0.64
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	9.26	
For Vinyl Coated, Add	22.22	
For Powder Coated, Add	29.63	
For Aluminum Coated, Add	46.30	
For Schedule 20, Deduct	-7.41	
For Schedule 80, Add	17.91	



**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0109		<b>Post Without Top Rail Fitting, Galvanized Steel (8.625" Nominal)</b> <small>(32 31 13 13-0059)</small>		
			Note: 8-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13	13-0110	LF	8-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	79.49	1.79
			For Each Top Rail Fitting, Add	7.50	
			For Each Single Barbed Wire Arm, Add	9.15	
			For Each Double Barbed Wire Arm, Add	18.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	18.98	
			For Vinyl Coated, Add	45.54	
			For Powder Coated, Add	60.72	
			For Aluminum Coated, Add	94.88	
			For Schedule 20, Deduct	-15.18	
			For Schedule 80, Add	36.79	
32 31 13	13-0111	LF	8-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	78.90	1.52
			For Each Top Rail Fitting, Add	7.50	
			For Each Single Barbed Wire Arm, Add	9.15	
			For Each Double Barbed Wire Arm, Add	18.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	18.98	
			For Vinyl Coated, Add	45.54	
			For Powder Coated, Add	60.72	
			For Aluminum Coated, Add	94.88	
			For Schedule 20, Deduct	-15.18	
			For Schedule 80, Add	36.73	
32 31 13	13-0112	LF	8-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	78.39	1.24
			For Each Top Rail Fitting, Add	7.50	
			For Each Single Barbed Wire Arm, Add	9.15	
			For Each Double Barbed Wire Arm, Add	18.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	18.98	
			For Vinyl Coated, Add	45.54	
			For Powder Coated, Add	60.72	
			For Aluminum Coated, Add	94.88	
			For Schedule 20, Deduct	-15.18	
			For Schedule 80, Add	36.68	
32 31 13	13-0113	LF	8-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	77.87	0.97
			For Each Top Rail Fitting, Add	7.50	
			For Each Single Barbed Wire Arm, Add	9.15	
			For Each Double Barbed Wire Arm, Add	18.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	18.98	
			For Vinyl Coated, Add	45.54	
			For Powder Coated, Add	60.72	
			For Aluminum Coated, Add	94.88	
			For Schedule 20, Deduct	-15.18	
			For Schedule 80, Add	36.63	
32 31 13	13-0114	LF	8-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	77.61	0.83
			For Each Top Rail Fitting, Add	7.50	
			For Each Single Barbed Wire Arm, Add	9.15	
			For Each Double Barbed Wire Arm, Add	18.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	18.98	
			For Vinyl Coated, Add	45.54	
			For Powder Coated, Add	60.72	
			For Aluminum Coated, Add	94.88	
			For Schedule 20, Deduct	-15.18	
			For Schedule 80, Add	36.60	
32 31 13	13-0115	LF	8-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	77.32	0.69
			For Each Top Rail Fitting, Add	7.50	
			For Each Single Barbed Wire Arm, Add	9.15	
			For Each Double Barbed Wire Arm, Add	18.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	18.98	
			For Vinyl Coated, Add	45.54	
			For Powder Coated, Add	60.72	
			For Aluminum Coated, Add	94.88	
			For Schedule 20, Deduct	-15.18	
			For Schedule 80, Add	36.57	
32 31 13	13-0116		<b>Driven Post Supports</b> <small>(32 31 13 13)</small>		
			Note: OZ-Post.		
32 31 13	13-0117		<b>Driven Post Support For Round Chain Link Fence Posts</b> <small>(32 31 13 13-0116)</small>		
32 31 13	13-0118	EA	26" Driven Post Support For 1-5/8" Round Chain Link Fence Post.....	37.56	
			Note: OZ-Post GB-700.		
32 31 13	13-0119	EA	26" Driven Post Support For 1-7/8" Round Chain Link Fence Post.....	37.56	
			Note: OZ-Post HB-700.		
32 31 13	13-0120	EA	26" Driven Post Support For 2-3/8" Round Chain Link Fence Post.....	38.85	
			Note: OZ-Post IS-600.		
32 31 13	13-0121	EA	32" Driven Post Support For 2-3/8" Round Chain Link Fence Post.....	46.19	
			Note: OZ-Post ISW-850.		
32 31 13	13-0122		<b>Driven Post Support For Square Ornamental Fence Posts</b> <small>(32 31 13 13-0116)</small>		
32 31 13	13-0123	EA	34" Driven Post Support For 1-3/4" Square Ornamental Fence Post.....	42.31	
			Note: OZ-Post C175-850.		
32 31 13	13-0124	EA	24" Driven Post Support For 2" Square Ornamental Fence Post.....	40.36	
			Note: OZ-Post I2-600.		
32 31 13	13-0125	EA	34" Driven Post Support For 2" Square Ornamental Fence Post.....	42.70	
			Note: OZ-Post I2-850.		



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0126	EA		34" Driven Post Support For 2-1/2" Square Ornamental Fence Post ..... Note: OZ-Post I25-850.	46.19	
32 31 13 13-0127	EA		34" Driven Post Support For 3" Square Ornamental Fence Post..... Note: OZ-Post I3-850.	46.19	
<b>32 31 13 13-0128</b>			<b>Driven Post Support For Wooden Fence Posts</b> <small>(32 31 13 13-0116)</small>		
32 31 13 13-0129	EA		24" Driven Post Support For 3-1/2" Square Wooden Fence Post..... Note: OZ-Post T4-600.	44.46	
32 31 13 13-0130	EA		34" Driven Post Support For 3-1/2" Square Wooden Fence Post..... Note: OZ-Post T4-850.	44.25	
32 31 13 13-0131	EA		34" Driven Post Support For 3-3/4" Square Wooden Fence Post..... Note: OZ-Post C4-850.	48.78	
32 31 13 13-0132	EA		34" Driven Post Support For 4" Square Wooden Fence Post..... Note: OZ-Post P4-850.	48.79	
32 31 13 13-0133	EA		36" Driven Post Support For 4" x 6" Wooden Fence Post ..... Note: OZ-Post T46-850.	57.21	
32 31 13 13-0134	EA		36" Driven Post Support For 6" Square Wooden Fence Post..... Note: OZ-Post T6-850.	63.16	
<b>32 31 13 13-0135</b>			<b>Driven Post Support For Vinyl Fence Posts</b> <small>(32 31 13 13-0116)</small>		
32 31 13 13-0136	EA		24" Driven Post Support For 3-1/2" Square Vinyl Fence Post ..... Note: OZ-Post T4-600.	44.46	
32 31 13 13-0137	EA		34" Driven Post Support For 3-1/2" Square Vinyl Fence Post ..... Note: OZ-Post T4-850.	44.25	
32 31 13 13-0138	EA		34" Driven Post Support For 4" Square Vinyl Fence Post..... Note: OZ-Post P4-850.	48.79	
32 31 13 13-0139	EA		34" Driven Post Support For 5" Square Vinyl Fence Post..... Note: OZ-Post P4-850.	49.82	
<b>32 31 13 13-0140</b>			<b>Chain Link Fence Assemblies</b> <small>(32 31 13 13)</small>		
<b>32 31 13 13-0141</b>			<b>Chain Link Fence Assembly With 2-1/2" Line Post And 3" Corner Posts</b> <small>(32 31 13 13-0140)</small> Note: Includes 2" 9 gauge coiled spring mesh (knuckled selvage), tension bars, post tension bands, wire ties, truss rod (at corners or posts), 1-5/8" top rail, 1-5/8" bottom rail, 2-1/2" line post and 3" corner posts. Posts exclude drilling or augering in soil or rock, concrete or soil fill. Heights indicated are from ground to top of installed pole. Minimum 2' bury with up to one third of exposed post height to be buried in ground. Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0690 for barb wire attachments.		
<b>32 31 13 13-0142</b>			<b>Galvanized</b> <small>(32 31 13 13-0141)</small>		
32 31 13 13-0143	LF		3' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post ..... <i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	19.94	1.56
32 31 13 13-0144	LF		3'-6" Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post..... <i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i> <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	20.83	1.56

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0145	LF	4' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	21.60	1.56
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	1.40	
			<i>For 13 Gauge Fabric, Deduct</i>	-5.31	
			<i>For 11 Gauge Fabric, Deduct</i>	-3.10	
			<i>For 6 Gauge Fabric, Add</i>	4.87	
			<i>For 1" Mesh Fabric, Add</i>	6.65	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.66	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.33	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.77	
			<i>For Posts 8' On Centers, Add</i>	1.16	
			<i>For Posts 5' On Centers, Add</i>	4.30	
			<i>For Up To 100, Add</i>	3.87	
			<i>For &gt;100 To 250, Add</i>	1.40	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.70	
			<i>For &gt;5,000, Deduct</i>	-1.40	
32 31	13 13-0146	LF	5' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	23.43	1.56
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	1.50	
			<i>For 13 Gauge Fabric, Deduct</i>	-5.87	
			<i>For 11 Gauge Fabric, Deduct</i>	-3.43	
			<i>For 6 Gauge Fabric, Add</i>	5.39	
			<i>For 1" Mesh Fabric, Add</i>	7.35	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.94	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.47	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.96	
			<i>For Posts 8' On Centers, Add</i>	1.25	
			<i>For Posts 5' On Centers, Add</i>	4.64	
			<i>For Up To 100, Add</i>	4.17	
			<i>For &gt;100 To 250, Add</i>	1.50	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.75	
			<i>For &gt;5,000, Deduct</i>	-1.50	
32 31	13 13-0147	LF	6' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	25.47	1.56
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	1.62	
			<i>For 13 Gauge Fabric, Deduct</i>	-6.44	
			<i>For 11 Gauge Fabric, Deduct</i>	-3.76	
			<i>For 6 Gauge Fabric, Add</i>	5.91	
			<i>For 1" Mesh Fabric, Add</i>	8.06	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3.22	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.61	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.15	
			<i>For Posts 8' On Centers, Add</i>	1.36	
			<i>For Posts 5' On Centers, Add</i>	5.04	
			<i>For Up To 100, Add</i>	4.51	
			<i>For &gt;100 To 250, Add</i>	1.62	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.81	
			<i>For &gt;5,000, Deduct</i>	-1.62	
32 31	13 13-0148	LF	7' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	26.49	2.35
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	1.68	
			<i>For 13 Gauge Fabric, Deduct</i>	-6.70	
			<i>For 11 Gauge Fabric, Deduct</i>	-3.92	
			<i>For 6 Gauge Fabric, Add</i>	6.15	
			<i>For 1" Mesh Fabric, Add</i>	8.39	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3.36	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.68	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.24	
			<i>For Posts 8' On Centers, Add</i>	1.41	
			<i>For Posts 5' On Centers, Add</i>	5.24	
			<i>For Up To 100, Add</i>	4.69	
			<i>For &gt;100 To 250, Add</i>	1.68	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.84	
			<i>For &gt;5,000, Deduct</i>	-1.68	
32 31	13 13-0149	LF	8' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	30.33	2.74
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	1.90	
			<i>For 13 Gauge Fabric, Deduct</i>	-7.87	
			<i>For 11 Gauge Fabric, Deduct</i>	-4.60	
			<i>For 6 Gauge Fabric, Add</i>	7.23	
			<i>For 1" Mesh Fabric, Add</i>	9.85	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3.94	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.97	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.63	
			<i>For Posts 8' On Centers, Add</i>	1.61	
			<i>For Posts 5' On Centers, Add</i>	5.96	
			<i>For Up To 100, Add</i>	5.32	
			<i>For &gt;100 To 250, Add</i>	1.90	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.95	
			<i>For &gt;5,000, Deduct</i>	-1.90	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0150	LF	9' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	32.47	3.52
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.03	
			<i>For 13 Gauge Fabric, Deduct</i>	-8.49	
			<i>For 11 Gauge Fabric, Deduct</i>	-4.96	
			<i>For 6 Gauge Fabric, Add</i>	7.79	
			<i>For 1" Mesh Fabric, Add</i>	10.63	
			<i>For 1-3/4" Mesh Fabric, Add</i>	4.25	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.13	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.83	
			<i>For Posts 8' On Centers, Add</i>	1.72	
			<i>For Posts 5' On Centers, Add</i>	6.37	
			<i>For Up To 100, Add</i>	5.67	
			<i>For &gt;100 To 250, Add</i>	2.03	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-1.01	
			<i>For &gt;5,000, Deduct</i>	-2.03	
32 31	13 13-0151	LF	10' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	34.61	3.91
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.15	
			<i>For 13 Gauge Fabric, Deduct</i>	-9.10	
			<i>For 11 Gauge Fabric, Deduct</i>	-5.32	
			<i>For 6 Gauge Fabric, Add</i>	8.36	
			<i>For 1" Mesh Fabric, Add</i>	11.40	
			<i>For 1-3/4" Mesh Fabric, Add</i>	4.56	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.28	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.04	
			<i>For Posts 8' On Centers, Add</i>	1.83	
			<i>For Posts 5' On Centers, Add</i>	6.78	
			<i>For Up To 100, Add</i>	6.03	
			<i>For &gt;100 To 250, Add</i>	2.15	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-1.08	
			<i>For &gt;5,000, Deduct</i>	-2.15	
32 31	13 13-0152	LF	12' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	38.62	4.69
			<i>For Each Additional Foot &gt;12, Add</i>	2.66	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.39	
			<i>For 13 Gauge Fabric, Deduct</i>	-10.25	
			<i>For 11 Gauge Fabric, Deduct</i>	-5.99	
			<i>For 6 Gauge Fabric, Add</i>	9.41	
			<i>For 1" Mesh Fabric, Add</i>	12.84	
			<i>For 1-3/4" Mesh Fabric, Add</i>	5.13	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.57	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.42	
			<i>For Posts 8' On Centers, Add</i>	2.04	
			<i>For Posts 5' On Centers, Add</i>	7.54	
			<i>For Up To 100, Add</i>	6.70	
			<i>For &gt;100 To 250, Add</i>	2.39	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-1.19	
			<i>For &gt;5,000, Deduct</i>	-2.39	
32 31	13 13-0153		<b>Vinyl Coated</b> <small>(32 31 13 13-0141)</small>		
32 31	13 13-0154	LF	4' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	22.57	1.56
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	2.44	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	1.44	
			<i>For 13 Gauge Fabric, Deduct</i>	-5.65	
			<i>For 11 Gauge Fabric, Deduct</i>	-3.30	
			<i>For 6 Gauge Fabric, Add</i>	5.18	
			<i>For 1" Mesh Fabric, Add</i>	7.07	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.83	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.41	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.89	
			<i>For Posts 8' On Centers, Add</i>	1.20	
			<i>For Posts 5' On Centers, Add</i>	4.47	
			<i>For Up To 100, Add</i>	4.02	
			<i>For &gt;100 To 250, Add</i>	1.44	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.72	
			<i>For &gt;5,000, Deduct</i>	-1.44	
32 31	13 13-0155	LF	5' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	24.65	1.56
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	2.72	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	1.56	
			<i>For 13 Gauge Fabric, Deduct</i>	-6.30	
			<i>For 11 Gauge Fabric, Deduct</i>	-3.68	
			<i>For 6 Gauge Fabric, Add</i>	5.78	
			<i>For 1" Mesh Fabric, Add</i>	7.88	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3.15	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.58	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.10	
			<i>For Posts 8' On Centers, Add</i>	1.31	
			<i>For Posts 5' On Centers, Add</i>	4.86	
			<i>For Up To 100, Add</i>	4.35	
			<i>For &gt;100 To 250, Add</i>	1.56	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.78	
			<i>For &gt;5,000, Deduct</i>	-1.56	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0156	LF	6' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	27.96	1.56
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	3.15	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	1.75	
			<i>For 13 Gauge Fabric, Deduct</i>	-7.30	
			<i>For 11 Gauge Fabric, Deduct</i>	-4.27	
			<i>For 6 Gauge Fabric, Add</i>	6.71	
			<i>For 1" Mesh Fabric, Add</i>	9.14	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3.66	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.83	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.44	
			<i>For Posts 8' On Centers, Add</i>	1.48	
			<i>For Posts 5' On Centers, Add</i>	5.48	
			<i>For Up To 100, Add</i>	4.89	
			<i>For &gt;100 To 250, Add</i>	1.75	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.87	
			<i>For &gt;5,000, Deduct</i>	-1.75	
32 31	13 13-0157	LF	7' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	29.38	2.35
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	3.33	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	1.83	
			<i>For 13 Gauge Fabric, Deduct</i>	-7.71	
			<i>For 11 Gauge Fabric, Deduct</i>	-4.50	
			<i>For 6 Gauge Fabric, Add</i>	7.08	
			<i>For 1" Mesh Fabric, Add</i>	9.65	
			<i>For 1-3/4" Mesh Fabric, Add</i>	3.86	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.93	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.57	
			<i>For Posts 8' On Centers, Add</i>	1.56	
			<i>For Posts 5' On Centers, Add</i>	5.76	
			<i>For Up To 100, Add</i>	5.13	
			<i>For &gt;100 To 250, Add</i>	1.83	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.91	
			<i>For &gt;5,000, Deduct</i>	-1.83	
32 31	13 13-0158	LF	8' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	33.70	2.74
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	3.90	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.07	
			<i>For 13 Gauge Fabric, Deduct</i>	-9.04	
			<i>For 11 Gauge Fabric, Deduct</i>	-5.28	
			<i>For 6 Gauge Fabric, Add</i>	8.30	
			<i>For 1" Mesh Fabric, Add</i>	11.32	
			<i>For 1-3/4" Mesh Fabric, Add</i>	4.53	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.26	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.02	
			<i>For Posts 8' On Centers, Add</i>	1.78	
			<i>For Posts 5' On Centers, Add</i>	6.57	
			<i>For Up To 100, Add</i>	5.82	
			<i>For &gt;100 To 250, Add</i>	2.07	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-1.03	
			<i>For &gt;5,000, Deduct</i>	-2.07	
32 31	13 13-0159	LF	9' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	36.08	3.52
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	4.21	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.21	
			<i>For 13 Gauge Fabric, Deduct</i>	-9.74	
			<i>For 11 Gauge Fabric, Deduct</i>	-5.69	
			<i>For 6 Gauge Fabric, Add</i>	8.94	
			<i>For 1" Mesh Fabric, Add</i>	12.20	
			<i>For 1-3/4" Mesh Fabric, Add</i>	4.88	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.44	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.25	
			<i>For Posts 8' On Centers, Add</i>	1.90	
			<i>For Posts 5' On Centers, Add</i>	7.02	
			<i>For Up To 100, Add</i>	6.22	
			<i>For &gt;100 To 250, Add</i>	2.21	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-1.10	
			<i>For &gt;5,000, Deduct</i>	-2.21	
32 31	13 13-0160	LF	10' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	38.48	3.91
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	4.51	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.34	
			<i>For 13 Gauge Fabric, Deduct</i>	-10.45	
			<i>For 11 Gauge Fabric, Deduct</i>	-6.10	
			<i>For 6 Gauge Fabric, Add</i>	9.59	
			<i>For 1" Mesh Fabric, Add</i>	13.08	
			<i>For 1-3/4" Mesh Fabric, Add</i>	5.23	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.62	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.49	
			<i>For Posts 8' On Centers, Add</i>	2.02	
			<i>For Posts 5' On Centers, Add</i>	7.47	
			<i>For Up To 100, Add</i>	6.61	
			<i>For &gt;100 To 250, Add</i>	2.34	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-1.17	
			<i>For &gt;5,000, Deduct</i>	-2.34	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0161 LF 12' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	42.02	4.69
<i>For Each Additional Foot &gt;12, Add</i>	2.91	
<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	4.94	
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.56	
<i>For 13 Gauge Fabric, Deduct</i>	-11.44	
<i>For 11 Gauge Fabric, Deduct</i>	-6.68	
<i>For 6 Gauge Fabric, Add</i>	10.50	
<i>For 1" Mesh Fabric, Add</i>	14.32	
<i>For 1-3/4" Mesh Fabric, Add</i>	5.73	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.86	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.82	
<i>For Posts 8' On Centers, Add</i>	2.21	
<i>For Posts 5' On Centers, Add</i>	8.16	
<i>For Up To 100, Add</i>	7.21	
<i>For &gt;100 To 250, Add</i>	2.56	
<i>For &gt;2,500 To 5,000, Deduct</i>	-1.28	
<i>For &gt;5,000, Deduct</i>	-2.56	
<b>32 31 13 13-0162 Rails</b> <small>(32 31 13 13)</small> Note: Includes rail end fittings.		
<b>32 31 13 13-0163 SS-20 Chain Link Fence Rails</b> <small>(32 31 13 13-0162)</small> Note: Includes tie wires.		
32 31 13 13-0164 LF 1-3/8" Galvanized Steel Rail, 0.08" Wall Thickness, Tie Wires And Fittings.....	3.60	0.51
<i>For SS15, Deduct</i>	-0.25	
<i>For SS40, Add</i>	0.64	
32 31 13 13-0165 LF 1-3/8" Vinyl Coated Rail, 0.08" Wall Thickness, Tie Wires And Fittings.....	4.45	0.51
<i>For SS40, Add</i>	0.34	
<i>For Powder Coated, Add</i>	0.68	
<i>For Aluminum Coated, Add</i>	1.36	
32 31 13 13-0166 LF 1-5/8" Galvanized Steel Rail, 0.085" Wall Thickness, Tie Wires And Fittings.....	4.53	0.58
<i>For SS15, Deduct</i>	-0.34	
<i>For SS40, Add</i>	0.85	
32 31 13 13-0167 LF 1-5/8" Vinyl Coated Rail, 0.085" Wall Thickness, Tie Wires And Fittings.....	5.67	0.58
<i>For SS40, Add</i>	0.45	
<i>For Powder Coated, Add</i>	0.90	
<i>For Aluminum Coated, Add</i>	1.81	
32 31 13 13-0168 LF 2" Galvanized Steel Rail, 0.09" Wall Thickness, Tie Wires And Fittings.....	5.35	0.64
<i>For SS40, Add</i>	1.02	
32 31 13 13-0169 LF 2" Vinyl Coated Rail, 0.09" Wall Thickness, Tie Wires And Fittings.....	6.71	0.64
<i>For SS40, Add</i>	0.54	
<i>For Powder Coated, Add</i>	1.08	
<i>For Aluminum Coated, Add</i>	2.17	
<b>32 31 13 13-0170 Fabric</b> <small>(32 31 13 13)</small>		
<b>32 31 13 13-0171 Fabric, Galvanized Chain Link</b> <small>(32 31 13 13-0170)</small>		
32 31 13 13-0172 LF 3' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	5.38	0.92
<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	0.60	
<i>For 13 Gauge Fabric, Deduct</i>	-1.08	
<i>For 11 Gauge Fabric, Deduct</i>	-0.60	
<i>For 6 Gauge Fabric, Add</i>	1.91	
<i>For 1" Mesh Fabric, Add</i>	1.79	
<i>For 1-3/4" Mesh Fabric, Add</i>	0.72	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.36	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-0.48	
32 31 13 13-0173 LF 3'-6" Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	6.01	1.03
<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	0.70	
<i>For 13 Gauge Fabric, Deduct</i>	-1.26	
<i>For 11 Gauge Fabric, Deduct</i>	-0.70	
<i>For 6 Gauge Fabric, Add</i>	2.23	
<i>For 1" Mesh Fabric, Add</i>	2.09	
<i>For 1-3/4" Mesh Fabric, Add</i>	0.84	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.42	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-0.56	
32 31 13 13-0174 LF 4' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	6.52	1.15
<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	0.77	
<i>For 13 Gauge Fabric, Deduct</i>	-1.38	
<i>For 11 Gauge Fabric, Deduct</i>	-0.77	
<i>For 6 Gauge Fabric, Add</i>	2.46	
<i>For 1" Mesh Fabric, Add</i>	2.30	
<i>For 1-3/4" Mesh Fabric, Add</i>	0.92	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.46	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-0.61	
32 31 13 13-0175 LF 5' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	7.51	1.38
<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	0.96	
<i>For 13 Gauge Fabric, Deduct</i>	-1.72	
<i>For 11 Gauge Fabric, Deduct</i>	-0.96	
<i>For 6 Gauge Fabric, Add</i>	3.06	
<i>For 1" Mesh Fabric, Add</i>	2.87	
<i>For 1-3/4" Mesh Fabric, Add</i>	1.15	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.57	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-0.77	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0176 LF 6' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	8.55	1.61
For 2 Oz Galvanized Or Zinc Coating, Add	1.15	
For 13 Gauge Fabric, Deduct	-2.07	
For 11 Gauge Fabric, Deduct	-1.15	
For 6 Gauge Fabric, Add	3.68	
For 1" Mesh Fabric, Add	3.45	
For 1-3/4" Mesh Fabric, Add	1.38	
For 2-1/8" Mesh Fabric, Deduct	-0.69	
For 2-3/8" Mesh Fabric, Deduct	-0.92	
32 31 13 13-0177 LF 7' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	9.60	1.84
For 2 Oz Galvanized Or Zinc Coating, Add	1.34	
For 13 Gauge Fabric, Deduct	-2.41	
For 11 Gauge Fabric, Deduct	-1.34	
For 6 Gauge Fabric, Add	4.29	
For 1" Mesh Fabric, Add	4.02	
For 1-3/4" Mesh Fabric, Add	1.61	
For 2-1/8" Mesh Fabric, Deduct	-0.80	
For 2-3/8" Mesh Fabric, Deduct	-1.07	
32 31 13 13-0178 LF 8' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	10.73	2.30
For 2 Oz Galvanized Or Zinc Coating, Add	1.53	
For 13 Gauge Fabric, Deduct	-2.76	
For 11 Gauge Fabric, Deduct	-1.53	
For 6 Gauge Fabric, Add	4.90	
For 1" Mesh Fabric, Add	4.60	
For 1-3/4" Mesh Fabric, Add	1.84	
For 2-1/8" Mesh Fabric, Deduct	-0.92	
For 2-3/8" Mesh Fabric, Deduct	-1.23	
32 31 13 13-0179 LF 10' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	13.03	2.53
For 2 Oz Galvanized Or Zinc Coating, Add	1.99	
For 13 Gauge Fabric, Deduct	-3.58	
For 11 Gauge Fabric, Deduct	-1.99	
For 6 Gauge Fabric, Add	6.37	
For 1" Mesh Fabric, Add	5.97	
For 1-3/4" Mesh Fabric, Add	2.39	
For 2-1/8" Mesh Fabric, Deduct	-1.19	
For 2-3/8" Mesh Fabric, Deduct	-1.59	
32 31 13 13-0180 LF 12' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	15.06	2.76
For 2 Oz Galvanized Or Zinc Coating, Add	2.39	
For 13 Gauge Fabric, Deduct	-4.29	
For 11 Gauge Fabric, Deduct	-2.39	
For 6 Gauge Fabric, Add	7.63	
For 1" Mesh Fabric, Add	7.16	
For 1-3/4" Mesh Fabric, Add	2.86	
For 2-1/8" Mesh Fabric, Deduct	-1.43	
For 2-3/8" Mesh Fabric, Deduct	-1.91	
32 31 13 13-0181 LF 14' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	16.69	3.22
For 2 Oz Galvanized Or Zinc Coating, Add	2.56	
For 13 Gauge Fabric, Deduct	-4.61	
For 11 Gauge Fabric, Deduct	-2.56	
For 6 Gauge Fabric, Add	8.20	
For 1" Mesh Fabric, Add	7.69	
For 1-3/4" Mesh Fabric, Add	3.08	
For 2-1/8" Mesh Fabric, Deduct	-1.54	
For 2-3/8" Mesh Fabric, Deduct	-2.05	
32 31 13 13-0182 LF 16' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	18.31	3.68
For 2 Oz Galvanized Or Zinc Coating, Add	2.74	
For 13 Gauge Fabric, Deduct	-4.93	
For 11 Gauge Fabric, Deduct	-2.74	
For 6 Gauge Fabric, Add	8.76	
For 1" Mesh Fabric, Add	8.21	
For 1-3/4" Mesh Fabric, Add	3.29	
For 2-1/8" Mesh Fabric, Deduct	-1.64	
For 2-3/8" Mesh Fabric, Deduct	-2.19	
<b>32 31 13 13-0183 Fabric, Vinyl Coated Chain Link</b> (32 31 13 13-0170)		
32 31 13 13-0184 LF 4' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh.....	7.49	0.92
For 13 Gauge Fabric, Deduct	-1.82	
For 11 Gauge Fabric, Deduct	-1.01	
For 6 Gauge Fabric, Add	3.23	
For 1" Mesh Fabric, Add	3.03	
For 1-3/4" Mesh Fabric, Add	1.21	
For 2-1/8" Mesh Fabric, Deduct	-0.61	
For 2-3/8" Mesh Fabric, Deduct	-0.81	
For Aluminum Coated, Add	1.62	
32 31 13 13-0185 LF 5' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh.....	8.73	1.38
For 13 Gauge Fabric, Deduct	-2.27	
For 11 Gauge Fabric, Deduct	-1.26	
For 6 Gauge Fabric, Add	4.04	
For 1" Mesh Fabric, Add	3.79	
For 1-3/4" Mesh Fabric, Add	1.52	
For 2-1/8" Mesh Fabric, Deduct	-0.76	
For 2-3/8" Mesh Fabric, Deduct	-1.01	
For Aluminum Coated, Add	2.02	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0186	LF	6' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh ..... <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Aluminum Coated, Add</i>	11.04 -3.19 -1.77 5.67 5.32 2.13 -1.06 -1.42 2.84	1.61
32 31	13 13-0187	LF	7' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh ..... <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Aluminum Coated, Add</i>	12.49 -3.71 -2.06 6.60 6.19 2.48 -1.24 -1.65 3.30	1.84
32 31	13 13-0188	LF	8' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh ..... <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Aluminum Coated, Add</i>	14.10 -4.28 -2.38 7.60 7.13 2.85 -1.43 -1.90 3.80	2.30
32 31	13 13-0189	LF	10' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh ..... <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Aluminum Coated, Add</i>	16.90 -5.32 -2.96 9.46 8.87 3.55 -1.77 -2.37 4.73	2.53
32 31	13 13-0190	LF	12' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh ..... <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Aluminum Coated, Add</i>	18.46 -5.82 -3.24 10.35 9.71 3.88 -1.94 -2.59 5.18	2.76
32 31	13 13-0191	LF	14' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh ..... <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Aluminum Coated, Add</i>	20.68 -6.41 -3.56 11.39 10.68 4.27 -2.14 -2.85 5.70	3.22
32 31	13 13-0192	LF	16' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh ..... <i>For 13 Gauge Fabric, Deduct</i> <i>For 11 Gauge Fabric, Deduct</i> <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For 2-3/8" Mesh Fabric, Deduct</i> <i>For Aluminum Coated, Add</i>	22.96 -7.02 -3.90 12.48 11.70 4.68 -2.34 -3.12 6.24	3.68
<b>32 31 13 13-0193 Fabric, Aluminized Steel Chain Link</b> <small>(32 31 13 13-0170)</small>					
32 31	13 13-0194	LF	3' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh ..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	5.55 2.05 2.69	0.92
32 31	13 13-0195	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh ..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	6.20 2.38 3.13	1.03
32 31	13 13-0196	LF	4' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh ..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	6.86 2.73 3.58	1.15
32 31	13 13-0197	LF	5' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh ..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	7.94 3.41 4.47	1.38
32 31	13 13-0198	LF	6' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh ..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	9.04 4.07 5.34	1.61
32 31	13 13-0199	LF	7' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh ..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	10.19 4.76 6.25	1.84



**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0200 LF 8' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	11.40 5.44 7.14	2.30
32 31 13 13-0201 LF 10' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	13.57 6.80 8.93	2.53
32 31 13 13-0202 LF 12' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	15.72 8.16 10.71	2.76
<b>32 31 13 13-0203 Fabric, All Aluminum Chain Link</b> <small>(32 31 13 13-0170)</small>		
32 31 13 13-0204 LF 3' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	9.69 5.36 7.04	0.92
32 31 13 13-0205 LF 3'-6" Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	11.04 6.26 8.21	1.03
32 31 13 13-0206 LF 4' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	12.38 7.14 9.38	1.15
32 31 13 13-0207 LF 5' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	14.85 8.94 11.73	1.38
32 31 13 13-0208 LF 6' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	17.35 10.72 14.07	1.61
32 31 13 13-0209 LF 7' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	19.87 12.50 16.41	1.84
32 31 13 13-0210 LF 8' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	22.47 14.30 18.76	2.30
32 31 13 13-0211 LF 10' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	27.40 17.86 23.45	2.53
32 31 13 13-0212 LF 12' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	32.32 21.44 28.14	2.76
<b>32 31 13 13-0213 Fence Inserts</b> <small>(32 31 13 13-0170)</small> Note: For use with new or existing chain link fence, per lf of fence.		
<b>32 31 13 13-0214 Vinyl Plastic Fence Inserts</b> <small>(32 31 13 13-0213)</small> Note: Assorted colors.		
32 31 13 13-0215 LF 3' High Fence, Vinyl Plastic Fence Insert.....	4.82	
32 31 13 13-0216 LF 3-1/2' High Fence, Vinyl Plastic Fence Insert.....	5.46	
32 31 13 13-0217 LF 4' High Fence, Vinyl Plastic Fence Insert.....	6.03	
32 31 13 13-0218 LF 5' High Fence, Vinyl Plastic Fence Insert.....	7.56	
32 31 13 13-0219 LF 6' High Fence, Vinyl Plastic Fence Insert.....	9.04	
32 31 13 13-0220 LF 7' High Fence, Vinyl Plastic Fence Insert.....	10.57	
32 31 13 13-0221 LF 8' High Fence, Vinyl Plastic Fence Insert.....	12.05	
32 31 13 13-0222 LF 10' High Fence, Vinyl Plastic Fence Insert.....	14.93	
<b>32 31 13 13-0223 Aluminum Fence Inserts</b> <small>(32 31 13 13-0213)</small> Note: Assorted colors.		
32 31 13 13-0224 LF 3' High Fence, Aluminum Fence Insert.....	16.03	
32 31 13 13-0225 LF 3-1/2' High Fence, Aluminum Fence Insert.....	17.56	
32 31 13 13-0226 LF 4' High Fence, Aluminum Fence Insert.....	19.88	
32 31 13 13-0227 LF 5' High Fence, Aluminum Fence Insert.....	24.88	
32 31 13 13-0228 LF 6' High Fence, Aluminum Fence Insert.....	29.84	
32 31 13 13-0229 LF 7' High Fence, Aluminum Fence Insert.....	32.35	
32 31 13 13-0230 LF 8' High Fence, Aluminum Fence Insert.....	39.78	
32 31 13 13-0231 LF 10' High Fence, Aluminum Fence Insert.....	49.65	
<b>32 31 13 13-0232 Redwood Fence Inserts</b> <small>(32 31 13 13-0213)</small>		
32 31 13 13-0233 LF 4' High Fence, Redwood Fence Insert.....	8.33	
32 31 13 13-0234 LF 5' High Fence, Redwood Fence Insert.....	10.50	
32 31 13 13-0235 LF 6' High Fence, Redwood Fence Insert.....	12.61	
32 31 13 13-0236 LF 7' High Fence, Redwood Fence Insert.....	14.68	
32 31 13 13-0237 LF 8' High Fence, Redwood Fence Insert.....	16.79	
<b>32 31 13 13-0238 Diagonal Flexible Polyethylene Inserts</b> <small>(32 31 13 13-0213)</small>		
32 31 13 13-0239 SF Diagonal Polyethylene Fence Weave.....	1.90	
<b>32 31 13 13-0240 Hedge Link Fence Inserts</b> <small>(32 31 13 13-0213)</small>		
32 31 13 13-0241 LF 3' High Fence, Hedge Link Fence Insert.....	10.66	
32 31 13 13-0242 LF 3-1/2' High Fence, Hedge Link Fence Insert.....	12.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0243 LF 4' High Fence, Hedge Link Fence Insert.....	14.13	
32 31 13 13-0244 LF 5' High Fence, Hedge Link Fence Insert.....	17.40	
32 31 13 13-0245 LF 6' High Fence, Hedge Link Fence Insert.....	19.79	
32 31 13 13-0246 LF 7' High Fence, Hedge Link Fence Insert.....	25.23	
32 31 13 13-0247 LF 8' High Fence, Hedge Link Fence Insert.....	28.63	
32 31 13 13-0248 LF 10' High Fence, Hedge Link Fence Insert.....	34.32	
32 31 13 13-0249 LF 12' High Fence, Hedge Link Fence Insert.....	39.39	
<b>32 31 13 13-0250 Fence Windscreen Fabric</b> <small>(32 31 13 13-0170)</small>		
Note: Includes plastic wire clips.		
32 31 13 13-0251 SF Vinyl Coated Polyester Windscreen For Fence, 7 Oz Per SY.....	0.75	0.24
For Sewn Boxed Vent (Each), Add	15.76	
For Welded Boxed Vent (Each), Add	7.88	
For 4' x 4' One Color Logo (Each), Add	328.42	
<b>32 31 13 13-0252 Non-Climbable Fabric, Galvanized Chain Link</b> <small>(32 31 13 13-0170)</small>		
32 31 13 13-0253 LF 3' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	16.93	0.92
For 11 Gauge, Deduct	-2.79	
For 10 Gauge, Deduct	-1.12	
For 7 Gauge, Add	1.67	
For 6 Gauge, Add	3.90	
For 1/2" Mesh Fabric, Deduct	-0.70	
For 5/8" Mesh Fabric, Deduct	-1.53	
For 3/4" Mesh Fabric, Deduct	-2.23	
32 31 13 13-0254 LF 3'-6" Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	19.48	1.03
For 11 Gauge, Deduct	-3.25	
For 10 Gauge, Deduct	-1.30	
For 7 Gauge, Add	1.95	
For 6 Gauge, Add	4.55	
For 1/2" Mesh Fabric, Deduct	-0.81	
For 5/8" Mesh Fabric, Deduct	-1.79	
For 3/4" Mesh Fabric, Deduct	-2.60	
32 31 13 13-0255 LF 4' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	22.06	1.15
For 11 Gauge, Deduct	-3.72	
For 10 Gauge, Deduct	-1.49	
For 7 Gauge, Add	2.23	
For 6 Gauge, Add	5.21	
For 1/2" Mesh Fabric, Deduct	-0.93	
For 5/8" Mesh Fabric, Deduct	-2.05	
For 3/4" Mesh Fabric, Deduct	-2.98	
32 31 13 13-0256 LF 5' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	26.93	1.38
For 11 Gauge, Deduct	-4.65	
For 10 Gauge, Deduct	-1.86	
For 7 Gauge, Add	2.79	
For 6 Gauge, Add	6.51	
For 1/2" Mesh Fabric, Deduct	-1.16	
For 5/8" Mesh Fabric, Deduct	-2.56	
For 3/4" Mesh Fabric, Deduct	-3.72	
32 31 13 13-0257 LF 6' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	31.84	1.61
For 11 Gauge, Deduct	-5.58	
For 10 Gauge, Deduct	-2.23	
For 7 Gauge, Add	3.35	
For 6 Gauge, Add	7.81	
For 1/2" Mesh Fabric, Deduct	-1.39	
For 5/8" Mesh Fabric, Deduct	-3.07	
For 3/4" Mesh Fabric, Deduct	-4.46	
32 31 13 13-0258 LF 7' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	36.78	1.84
For 11 Gauge, Deduct	-6.51	
For 10 Gauge, Deduct	-2.60	
For 7 Gauge, Add	3.90	
For 6 Gauge, Add	9.11	
For 1/2" Mesh Fabric, Deduct	-1.63	
For 5/8" Mesh Fabric, Deduct	-3.58	
For 3/4" Mesh Fabric, Deduct	-5.21	
32 31 13 13-0259 LF 8' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	41.79	2.30
For 11 Gauge, Deduct	-7.44	
For 10 Gauge, Deduct	-2.98	
For 7 Gauge, Add	4.46	
For 6 Gauge, Add	10.41	
For 1/2" Mesh Fabric, Deduct	-1.86	
For 5/8" Mesh Fabric, Deduct	-4.09	
For 3/4" Mesh Fabric, Deduct	-5.95	
32 31 13 13-0260 LF 9' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	46.23	2.42
For 11 Gauge, Deduct	-8.28	
For 10 Gauge, Deduct	-3.31	
For 7 Gauge, Add	4.97	
For 6 Gauge, Add	11.59	
For 1/2" Mesh Fabric, Deduct	-2.07	
For 5/8" Mesh Fabric, Deduct	-4.55	
For 3/4" Mesh Fabric, Deduct	-6.62	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0261	LF	10' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh ..... <i>For 11 Gauge, Deduct</i> <i>For 10 Gauge, Deduct</i> <i>For 7 Gauge, Add</i> <i>For 6 Gauge, Add</i> <i>For 1/2" Mesh Fabric, Deduct</i> <i>For 5/8" Mesh Fabric, Deduct</i> <i>For 3/4" Mesh Fabric, Deduct</i>	50.67 -9.12 -3.65 5.47 12.77 -2.28 -5.02 -7.30	2.53
32 31 13	13-0262	LF	12' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh ..... <i>For 11 Gauge, Deduct</i> <i>For 10 Gauge, Deduct</i> <i>For 7 Gauge, Add</i> <i>For 6 Gauge, Add</i> <i>For 1/2" Mesh Fabric, Deduct</i> <i>For 5/8" Mesh Fabric, Deduct</i> <i>For 3/4" Mesh Fabric, Deduct</i>	54.96 -9.89 -3.96 5.93 13.84 -2.47 -5.44 -7.91	2.76
32 31 13	13-0263		<b>Gates</b> <small>(32 31 13 13)</small> Note: Posts exclude drilling or augering in soil or rock. For barbed wire attached directly to posts and gates, select gates and posts sizes for full finished height of gate above grade (top rail to be at lower height, includes barb wire at top area where mesh would be). See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 13	13-0264		<b>Galvanized Steel Without Barbed Wire</b> <small>(32 31 13 13-0263)</small> Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter for > 6' To 12' wide, 6-5/8" diameter for >12' To 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
32 31 13	13-0265		<b>4' Fence Height</b> <small>(32 31 13 13-0264)</small>		
32 31 13	13-0266	EA	3' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For 3' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 3' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	185.18 -28.25 72.33 39.18 32.26 45.24	11.04
32 31 13	13-0267	EA	4' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For 4' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 4' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	235.41 -37.67 96.44 52.24 39.29 53.79	11.49
32 31 13	13-0268	EA	5' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For 5' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 5' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	279.37 -45.48 116.44 63.07 45.38 61.08	12.23
32 31 13	13-0269	EA	6' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For 6' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 6' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	328.39 -53.29 136.43 73.90 51.49 69.02	14.72
32 31 13	13-0270	EA	7' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For 7' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 7' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	377.41 -61.10 156.43 84.73 57.59 76.64	17.16
32 31 13	13-0271	EA	8' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For 8' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 8' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	428.13 -69.24 177.24 96.01 63.87 84.43	19.59
32 31 13	13-0272	EA	9' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For 9' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 9' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	477.15 -77.05 197.24 106.84 69.95 92.05	22.08
32 31 13	13-0273	EA	10' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For 10' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 10' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	526.89 -85.00 217.59 117.86 76.14 99.73	24.52
32 31 13	13-0274	EA	10' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For 10' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 10' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	676.35 -113.02 289.33 156.72 103.71 135.75	24.52



	<b>Exterior Improvements</b>	<b>32</b>
	Site Improvements	32 30
	Fences And Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0275 EA 12' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	802.17	26.26
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-135.62	
For Aluminized Steel Gate And Post, Add	347.20	
For Powder Coated Gate And Post, Add	188.07	
For 12' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	120.00	
For 12' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	155.08	
32 31 13 13-0276 EA 14' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	928.79	28.28
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-158.23	
For Aluminized Steel Gate And Post, Add	405.06	
For Powder Coated Gate And Post, Add	219.41	
For 14' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	136.30	
For 14' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	174.40	
32 31 13 13-0277 EA 16' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	1,056.43	30.63
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-180.83	
For Aluminized Steel Gate And Post, Add	462.93	
For Powder Coated Gate And Post, Add	250.75	
For 16' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	152.58	
For 16' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	193.71	
32 31 13 13-0278 EA 18' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	1,201.46	38.76
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-203.44	
For Aluminized Steel Gate And Post, Add	520.80	
For Powder Coated Gate And Post, Add	282.10	
For 18' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	168.88	
For 18' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	213.02	
32 31 13 13-0279 EA 20' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	1,330.34	41.55
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-226.04	
For Aluminized Steel Gate And Post, Add	578.66	
For Powder Coated Gate And Post, Add	313.44	
For 20' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	185.17	
For 20' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	232.35	
32 31 13 13-0280 EA 22' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	1,457.54	44.77
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-248.09	
For Aluminized Steel Gate And Post, Add	635.12	
For Powder Coated Gate And Post, Add	344.02	
For 22' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	212.26	
For 22' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	270.92	
32 31 13 13-0281 EA 24' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	1,586.36	48.48
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-270.15	
For Aluminized Steel Gate And Post, Add	691.57	
For Powder Coated Gate And Post, Add	374.60	
For 24' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	228.23	
For 24' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	289.92	
32 31 13 13-0282 EA 26' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	1,717.21	52.90
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-292.20	
For Aluminized Steel Gate And Post, Add	748.03	
For Powder Coated Gate And Post, Add	405.18	
For 26' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	244.19	
For 26' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	308.92	
32 31 13 13-0283 EA 28' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	1,806.59	58.19
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-305.98	
For Aluminized Steel Gate And Post, Add	783.31	
For Powder Coated Gate And Post, Add	424.29	
For 28' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	255.32	
For 28' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	323.07	
32 31 13 13-0284 EA 30' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	2,002.43	64.64
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-339.06	
For Aluminized Steel Gate And Post, Add	867.99	
For Powder Coated Gate And Post, Add	470.16	
For 30' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	277.75	
For 30' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	348.54	
<b>32 31 13 13-0285 5' Fence Height</b> <small>(32 31 13 13-0264)</small>		
32 31 13 13-0286 EA 3' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire .....	223.01	12.23
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-34.92	
For Aluminized Steel Gate And Post, Add	89.39	
For Powder Coated Gate And Post, Add	48.42	
For 3' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	36.16	
For 3' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	49.14	
32 31 13 13-0287 EA 4' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire .....	284.27	12.23
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-46.40	
For Aluminized Steel Gate And Post, Add	118.79	
For Powder Coated Gate And Post, Add	64.34	
For 4' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	44.41	
For 4' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	58.91	
32 31 13 13-0288 EA 5' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire .....	333.14	13.01
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-55.13	
For Aluminized Steel Gate And Post, Add	141.14	
For Powder Coated Gate And Post, Add	76.45	
For 5' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	51.04	
For 5' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	66.74	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0289	EA	6' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	389.95	15.64
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-64.32	
			<i>For Aluminized Steel Gate And Post, Add</i>	164.66	
			<i>For Powder Coated Gate And Post, Add</i>	89.19	
			<i>For 6' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	57.95	
			<i>For 6' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	75.48	
32 31 13	13-0290	EA	7' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	441.88	18.21
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-72.59	
			<i>For Aluminized Steel Gate And Post, Add</i>	185.83	
			<i>For Powder Coated Gate And Post, Add</i>	100.66	
			<i>For 7' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	64.33	
			<i>For 7' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	83.38	
32 31 13	13-0291	EA	8' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	499.16	20.97
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-81.78	
			<i>For Aluminized Steel Gate And Post, Add</i>	209.35	
			<i>For Powder Coated Gate And Post, Add</i>	113.40	
			<i>For 8' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	71.23	
			<i>For 8' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	91.79	
32 31 13	13-0292	EA	9' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	553.53	23.59
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-90.51	
			<i>For Aluminized Steel Gate And Post, Add</i>	231.70	
			<i>For Powder Coated Gate And Post, Add</i>	125.50	
			<i>For 9' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	77.85	
			<i>For 9' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	99.95	
32 31 13	13-0293	EA	10' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire.....	607.90	26.17
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-99.24	
			<i>For Aluminized Steel Gate And Post, Add</i>	254.04	
			<i>For Powder Coated Gate And Post, Add</i>	137.61	
			<i>For 10' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	84.50	
			<i>For 10' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	108.09	
32 31 13	13-0294	EA	10' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	825.69	26.26
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-140.03	
			<i>For Aluminized Steel Gate And Post, Add</i>	358.49	
			<i>For Powder Coated Gate And Post, Add</i>	194.18	
			<i>For 10' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	119.56	
			<i>For 10' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	151.60	
32 31 13	13-0295	EA	12' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	981.72	28.28
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-168.15	
			<i>For Aluminized Steel Gate And Post, Add</i>	430.47	
			<i>For Powder Coated Gate And Post, Add</i>	233.17	
			<i>For 12' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	139.08	
			<i>For 12' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	174.16	
32 31 13	13-0296	EA	14' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	1,138.76	30.63
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-196.27	
			<i>For Aluminized Steel Gate And Post, Add</i>	502.45	
			<i>For Powder Coated Gate And Post, Add</i>	272.16	
			<i>For 14' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	158.61	
			<i>For 14' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	196.71	
32 31 13	13-0297	EA	16' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	1,313.20	38.76
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-224.39	
			<i>For Aluminized Steel Gate And Post, Add</i>	574.43	
			<i>For Powder Coated Gate And Post, Add</i>	311.15	
			<i>For 16' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	178.13	
			<i>For 16' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	219.26	
32 31 13	13-0298	EA	18' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	1,468.53	41.55
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-251.95	
			<i>For Aluminized Steel Gate And Post, Add</i>	645.00	
			<i>For Powder Coated Gate And Post, Add</i>	349.37	
			<i>For 18' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	197.34	
			<i>For 18' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	241.48	
32 31 13	13-0299	EA	20' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	1,631.02	44.77
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-280.62	
			<i>For Aluminized Steel Gate And Post, Add</i>	718.39	
			<i>For Powder Coated Gate And Post, Add</i>	389.13	
			<i>For 20' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	217.19	
			<i>For 20' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	264.37	
32 31 13	13-0300	EA	22' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	1,792.18	48.48
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-308.74	
			<i>For Aluminized Steel Gate And Post, Add</i>	790.37	
			<i>For Powder Coated Gate And Post, Add</i>	428.12	
			<i>For 22' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	247.84	
			<i>For 22' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	306.50	
32 31 13	13-0301	EA	24' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	1,952.44	52.90
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-336.30	
			<i>For Aluminized Steel Gate And Post, Add</i>	860.94	
			<i>For Powder Coated Gate And Post, Add</i>	466.34	
			<i>For 24' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	267.04	
			<i>For 24' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	328.73	
32 31 13	13-0302	EA	26' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	2,121.21	58.19
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-364.97	
			<i>For Aluminized Steel Gate And Post, Add</i>	934.33	
			<i>For Powder Coated Gate And Post, Add</i>	506.10	
			<i>For 26' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	286.89	
			<i>For 26' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	351.62	



		<b>Exterior Improvements</b>	<b>32</b>
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0303 EA 28' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	2,288.73	64.64
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-392.74	
For Aluminized Steel Gate And Post, Add	1,005.42	
For Powder Coated Gate And Post, Add	544.60	
For 28' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	306.22	
For 28' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	373.97	
32 31 13 13-0304 EA 30' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	2,458.93	72.72
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-420.10	
For Aluminized Steel Gate And Post, Add	1,075.46	
For Powder Coated Gate And Post, Add	582.54	
For 30' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	325.29	
For 30' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	396.08	
<b>32 31 13 13-0305 6' Fence Height</b> <small>(32 31 13 13-0264)</small>		
32 31 13 13-0306 EA 3' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire .....	239.12	13.11
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-37.44	
For Aluminized Steel Gate And Post, Add	95.86	
For Powder Coated Gate And Post, Add	51.92	
For 3' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	37.65	
For 3' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	50.63	
32 31 13 13-0307 EA 4' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire .....	305.28	13.11
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-49.85	
For Aluminized Steel Gate And Post, Add	127.61	
For Powder Coated Gate And Post, Add	69.12	
For 4' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	46.43	
For 4' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	60.93	
32 31 13 13-0308 EA 5' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire .....	358.31	13.93
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-59.34	
For Aluminized Steel Gate And Post, Add	151.90	
For Powder Coated Gate And Post, Add	82.28	
For 5' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	53.51	
For 5' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	69.21	
32 31 13 13-0309 EA 6' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire .....	415.69	16.84
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-68.45	
For Aluminized Steel Gate And Post, Add	175.24	
For Powder Coated Gate And Post, Add	94.92	
For 6' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	60.38	
For 6' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	77.91	
32 31 13 13-0310 EA 7' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire .....	475.88	19.78
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-78.10	
For Aluminized Steel Gate And Post, Add	199.94	
For Powder Coated Gate And Post, Add	108.30	
For 7' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	67.56	
For 7' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	86.61	
32 31 13 13-0311 EA 8' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire .....	533.16	22.54
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-87.29	
For Aluminized Steel Gate And Post, Add	223.47	
For Powder Coated Gate And Post, Add	121.05	
For 8' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	74.46	
For 8' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	95.02	
32 31 13 13-0312 EA 9' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire .....	590.91	25.43
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-96.48	
For Aluminized Steel Gate And Post, Add	246.99	
For Powder Coated Gate And Post, Add	133.79	
For 9' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	81.35	
For 9' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	103.45	
32 31 13 13-0313 EA 10' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire .....	626.60	28.33
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-101.54	
For Aluminized Steel Gate And Post, Add	259.93	
For Powder Coated Gate And Post, Add	140.80	
For 10' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	85.85	
For 10' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	109.44	
32 31 13 13-0314 EA 10' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	881.75	28.28
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-149.41	
For Aluminized Steel Gate And Post, Add	382.48	
For Powder Coated Gate And Post, Add	207.18	
For 10' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	125.06	
For 10' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	157.10	
32 31 13 13-0315 EA 12' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	1,047.61	30.63
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-179.18	
For Aluminized Steel Gate And Post, Add	458.70	
For Powder Coated Gate And Post, Add	248.46	
For 12' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	145.55	
For 12' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	180.63	
32 31 13 13-0316 EA 14' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	1,242.13	41.55
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-209.50	
For Aluminized Steel Gate And Post, Add	536.32	
For Powder Coated Gate And Post, Add	290.51	
For 14' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	166.38	
For 14' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	204.48	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0317 EA 16' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	1,410.50	44.77
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-239.27	
For Aluminized Steel Gate And Post, Add	612.54	
For Powder Coated Gate And Post, Add	331.79	
For 16' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	186.86	
For 16' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	227.99	
32 31 13 13-0318 EA 18' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	1,583.42	48.48
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-269.60	
For Aluminized Steel Gate And Post, Add	690.16	
For Powder Coated Gate And Post, Add	373.84	
For 18' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	207.69	
For 18' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	251.83	
32 31 13 13-0319 EA 20' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	1,758.38	52.90
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-299.92	
For Aluminized Steel Gate And Post, Add	767.79	
For Powder Coated Gate And Post, Add	415.89	
For 20' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	228.51	
For 20' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	275.69	
32 31 13 13-0320 EA 22' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	1,933.03	58.19
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-329.69	
For Aluminized Steel Gate And Post, Add	844.00	
For Powder Coated Gate And Post, Add	457.17	
For 22' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	260.13	
For 22' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	318.79	
32 31 13 13-0321 EA 24' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	2,112.69	64.64
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-359.73	
For Aluminized Steel Gate And Post, Add	920.92	
For Powder Coated Gate And Post, Add	498.83	
For 24' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	280.78	
For 24' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	342.47	
32 31 13 13-0322 EA 26' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	2,295.45	72.72
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-389.45	
For Aluminized Steel Gate And Post, Add	996.99	
For Powder Coated Gate And Post, Add	540.04	
For 26' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	301.25	
For 26' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	365.98	
32 31 13 13-0323 EA 28' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	2,487.18	83.09
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-419.55	
For Aluminized Steel Gate And Post, Add	1,074.05	
For Powder Coated Gate And Post, Add	581.78	
For 28' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	321.95	
For 28' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	389.70	
32 31 13 13-0324 EA 30' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	2,689.61	96.96
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-449.71	
For Aluminized Steel Gate And Post, Add	1,151.26	
For Powder Coated Gate And Post, Add	623.60	
For 30' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	342.66	
For 30' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	413.45	
<b>32 31 13 13-0325 7' Fence Height (32 31 13 13-0264)</b>		
32 31 13 13-0326 EA 3' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire .....	250.74	14.12
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-39.05	
For Aluminized Steel Gate And Post, Add	99.97	
For Powder Coated Gate And Post, Add	54.15	
For 3' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	38.59	
For 3' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	51.57	
32 31 13 13-0327 EA 4' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire .....	319.34	14.12
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-51.92	
For Aluminized Steel Gate And Post, Add	132.90	
For Powder Coated Gate And Post, Add	71.99	
For 4' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	47.65	
For 4' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	62.15	
32 31 13 13-0328 EA 5' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire .....	377.07	14.86
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-62.34	
For Aluminized Steel Gate And Post, Add	159.58	
For Powder Coated Gate And Post, Add	86.44	
For 5' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	55.27	
For 5' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	70.97	
32 31 13 13-0329 EA 6' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire .....	462.20	18.07
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-76.49	
For Aluminized Steel Gate And Post, Add	195.81	
For Powder Coated Gate And Post, Add	106.06	
For 6' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	65.09	
For 6' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	82.62	
32 31 13 13-0330 EA 7' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire .....	546.88	21.15
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-90.64	
For Aluminized Steel Gate And Post, Add	232.04	
For Powder Coated Gate And Post, Add	125.69	
For 7' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	74.92	
For 7' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	93.97	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0331	EA	8' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For 8' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 8' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	632.01 -104.79 268.27 145.31 84.73 105.29	24.33
32 31	13 13-0332	EA	9' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For 9' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 9' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	716.71 -118.95 304.50 164.94 94.53 116.63	27.41
32 31	13 13-0333	EA	10' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For 10' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 10' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	788.24 -130.55 334.20 181.03 102.87 126.46	30.63
32 31	13 13-0334	EA	10' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For 10' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 10' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	1,005.91 -171.36 438.68 237.62 137.94 169.98	30.63
32 31	13 13-0335	EA	12' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For 12' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 12' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	1,141.00 -190.54 487.78 264.21 152.21 187.29	41.55
32 31	13 13-0336	EA	14' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For 14' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 14' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	1,319.95 -222.29 569.07 308.25 173.88 211.98	44.77
32 31	13 13-0337	EA	16' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For 16' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 16' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	1,486.38 -251.40 643.58 348.61 193.98 235.11	48.48
32 31	13 13-0338	EA	18' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For 18' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 18' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	1,670.16 -283.38 725.44 392.95 215.78 259.92	52.90
32 31	13 13-0339	EA	20' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For 20' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 20' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	1,853.64 -314.80 805.90 436.53 237.24 284.42	58.19
32 31	13 13-0340	EA	22' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For 22' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 22' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	2,040.66 -346.23 886.34 480.10 269.83 328.49	64.64
32 31	13 13-0341	EA	24' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For 24' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 24' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	2,232.53 -377.65 966.79 523.68 291.30 352.99	72.72
32 31	13 13-0342	EA	26' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For 26' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 26' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	2,431.32 -409.08 1,047.24 567.26 312.76 377.49	83.09
32 31	13 13-0343	EA	28' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For 28' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 28' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	2,640.51 -440.50 1,127.69 610.83 334.24 401.99	96.96
32 31	13 13-0344	EA	30' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For 30' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 30' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	2,866.35 -471.93 1,208.14 654.41 355.69 426.48	116.33



**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0345		<b>8' Fence Height</b> <small>(32 31 13 13-0264)</small>		
32 31 13	13-0346	EA	3' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	294.73	15.32
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-46.64	
			For Aluminized Steel Gate And Post, Add	119.40	
			For Powder Coated Gate And Post, Add	64.67	
			For 3' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	43.04	
			For 3' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	56.02	
32 31 13	13-0347	EA	4' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	377.65	15.32
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-62.19	
			For Aluminized Steel Gate And Post, Add	159.20	
			For Powder Coated Gate And Post, Add	86.23	
			For 4' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	53.67	
			For 4' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	68.17	
32 31 13	13-0348	EA	5' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	441.34	17.06
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-73.14	
			For Aluminized Steel Gate And Post, Add	187.23	
			For Powder Coated Gate And Post, Add	101.42	
			For 5' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	61.61	
			For 5' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	77.31	
32 31 13	13-0349	EA	6' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	506.43	19.31
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-84.09	
			For Aluminized Steel Gate And Post, Add	215.27	
			For Powder Coated Gate And Post, Add	116.60	
			For 6' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	69.55	
			For 6' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	87.08	
32 31 13	13-0350	EA	7' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	576.80	23.27
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-95.04	
			For Aluminized Steel Gate And Post, Add	243.31	
			For Powder Coated Gate And Post, Add	131.79	
			For 7' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	77.50	
			For 7' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	96.55	
32 31 13	13-0351	EA	8' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	646.71	27.09
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-106.00	
			For Aluminized Steel Gate And Post, Add	271.35	
			For Powder Coated Gate And Post, Add	146.98	
			For 8' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	85.43	
			For 8' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	105.99	
32 31 13	13-0352	EA	9' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	717.08	31.09
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-116.95	
			For Aluminized Steel Gate And Post, Add	299.39	
			For Powder Coated Gate And Post, Add	162.17	
			For 9' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	93.36	
			For 9' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	115.46	
32 31 13	13-0353	EA	10' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	787.46	35.10
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-127.90	
			For Aluminized Steel Gate And Post, Add	327.43	
			For Powder Coated Gate And Post, Add	177.36	
			For 10' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	101.32	
			For 10' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	124.91	
32 31 13	13-0354	EA	10' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	1,148.01	41.55
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-191.85	
			For Aluminized Steel Gate And Post, Add	491.15	
			For Powder Coated Gate And Post, Add	266.04	
			For 10' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	149.96	
			For 10' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	182.00	
32 31 13	13-0355	EA	12' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	1,354.63	44.77
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-228.80	
			For Aluminized Steel Gate And Post, Add	585.72	
			For Powder Coated Gate And Post, Add	317.27	
			For 12' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	174.66	
			For 12' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	209.74	
32 31 13	13-0356	EA	14' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	1,565.77	48.48
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-266.29	
			For Aluminized Steel Gate And Post, Add	681.69	
			For Powder Coated Gate And Post, Add	369.25	
			For 14' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	199.69	
			For 14' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	237.79	
32 31 13	13-0357	EA	16' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	1,784.84	52.90
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-304.88	
			For Aluminized Steel Gate And Post, Add	780.49	
			For Powder Coated Gate And Post, Add	422.77	
			For 16' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	225.35	
			For 16' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	266.48	
32 31 13	13-0358	EA	18' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	2,006.53	58.19
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-343.47	
			For Aluminized Steel Gate And Post, Add	879.28	
			For Powder Coated Gate And Post, Add	476.28	
32 31 13	13-0359	EA	20' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	2,228.84	64.64
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-381.51	
			For Aluminized Steel Gate And Post, Add	976.67	
			For Powder Coated Gate And Post, Add	529.03	
			For 20' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	276.38	
			For 20' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	323.56	



<b>Exterior Improvements</b>	<b>32</b>
<b>Site Improvements</b>	<b>32 30</b>
<b>Fences And Gates</b>	<b>32 31</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0360 EA 22' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	2,453.05	72.72
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-419.00	
For Aluminized Steel Gate And Post, Add	1,072.64	
For Powder Coated Gate And Post, Add	581.01	
For 22' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	312.52	
For 22' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	371.18	
32 31 13 13-0361 EA 24' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	2,690.07	83.09
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-457.59	
For Aluminized Steel Gate And Post, Add	1,171.44	
For Powder Coated Gate And Post, Add	634.53	
For 24' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	338.20	
For 24' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	399.89	
32 31 13 13-0362 EA 26' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	2,937.48	96.96
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-496.19	
For Aluminized Steel Gate And Post, Add	1,270.23	
For Powder Coated Gate And Post, Add	688.04	
For 26' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	363.87	
For 26' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	428.60	
32 31 13 13-0363 EA 28' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	3,198.61	116.33
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-534.23	
For Aluminized Steel Gate And Post, Add	1,367.62	
For Powder Coated Gate And Post, Add	740.79	
For 28' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	389.22	
For 28' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	456.97	
32 31 13 13-0364 EA 30' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	3,488.83	145.44
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-572.27	
For Aluminized Steel Gate And Post, Add	1,465.00	
For Powder Coated Gate And Post, Add	793.54	
For 30' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	414.56	
For 30' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	485.35	
<b>32 31 13 13-0365 10' Fence Height (32 31 13 13-0264)</b>		
32 31 13 13-0366 EA 3' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire .....	372.77	17.02
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-60.31	
For Aluminized Steel Gate And Post, Add	154.40	
For Powder Coated Gate And Post, Add	83.63	
For 3' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	51.06	
For 3' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	64.04	
32 31 13 13-0367 EA 4' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire .....	479.98	17.02
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-80.41	
For Aluminized Steel Gate And Post, Add	205.86	
For Powder Coated Gate And Post, Add	111.51	
For 4' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	64.37	
For 4' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	78.87	
32 31 13 13-0368 EA 5' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire .....	557.77	17.75
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-94.58	
For Aluminized Steel Gate And Post, Add	242.12	
For Powder Coated Gate And Post, Add	131.15	
For 5' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	74.19	
For 5' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	89.89	
32 31 13 13-0369 EA 6' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire .....	646.19	22.08
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-108.74	
For Aluminized Steel Gate And Post, Add	278.38	
For Powder Coated Gate And Post, Add	150.79	
For 6' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	84.02	
For 6' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	101.55	
32 31 13 13-0370 EA 7' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire .....	734.32	26.17
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-122.90	
For Aluminized Steel Gate And Post, Add	314.63	
For Powder Coated Gate And Post, Add	170.42	
For 7' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	93.84	
For 7' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	112.89	
32 31 13 13-0371 EA 8' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire .....	822.54	30.49
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-137.07	
For Aluminized Steel Gate And Post, Add	350.89	
For Powder Coated Gate And Post, Add	190.07	
For 8' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	103.66	
For 8' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	124.22	
32 31 13 13-0372 EA 9' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire .....	910.51	34.63
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-151.23	
For Aluminized Steel Gate And Post, Add	387.15	
For Powder Coated Gate And Post, Add	209.71	
For 9' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	113.47	
For 9' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	135.57	
32 31 13 13-0373 EA 10' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire .....	998.93	38.91
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-165.40	
For Aluminized Steel Gate And Post, Add	423.41	
For Powder Coated Gate And Post, Add	229.35	
For 10' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	123.31	
For 10' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	146.90	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0374 EA 10' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	1,461.80	46.19
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-248.09	
For Aluminized Steel Gate And Post, Add	635.11	
For Powder Coated Gate And Post, Add	344.02	
For 10' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	182.96	
For 10' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	215.00	
32 31 13 13-0375 EA 12' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	1,590.06	49.68
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-270.15	
For Aluminized Steel Gate And Post, Add	691.58	
For Powder Coated Gate And Post, Add	374.61	
For 12' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	198.92	
For 12' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	234.00	
32 31 13 13-0376 EA 14' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	1,814.23	53.88
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-309.84	
For Aluminized Steel Gate And Post, Add	793.19	
For Powder Coated Gate And Post, Add	429.64	
For 14' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	225.24	
For 14' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	263.34	
32 31 13 13-0377 EA 16' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	2,064.10	58.74
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-353.95	
For Aluminized Steel Gate And Post, Add	906.10	
For Powder Coated Gate And Post, Add	490.80	
For 16' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	254.14	
For 16' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	295.27	
32 31 13 13-0378 EA 18' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	2,317.05	64.64
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-398.05	
For Aluminized Steel Gate And Post, Add	1,019.01	
For Powder Coated Gate And Post, Add	551.96	
For 18' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	283.05	
For 18' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	327.19	
32 31 13 13-0379 EA 20' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	2,575.21	71.79
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-442.43	
For Aluminized Steel Gate And Post, Add	1,132.63	
For Powder Coated Gate And Post, Add	613.51	
For 20' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	312.12	
For 20' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	359.30	
32 31 13 13-0380 EA 22' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	2,838.98	80.80
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-486.81	
For Aluminized Steel Gate And Post, Add	1,246.24	
For Powder Coated Gate And Post, Add	675.05	
For 22' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	352.31	
For 22' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	410.97	
32 31 13 13-0381 EA 24' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	3,108.69	92.27
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-530.92	
For Aluminized Steel Gate And Post, Add	1,359.15	
For Powder Coated Gate And Post, Add	736.21	
For 24' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	381.21	
For 24' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	442.90	
32 31 13 13-0382 EA 26' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	3,390.32	107.71
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-575.03	
For Aluminized Steel Gate And Post, Add	1,472.06	
For Powder Coated Gate And Post, Add	797.37	
For 26' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	410.12	
For 26' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	474.85	
32 31 13 13-0383 EA 28' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	3,689.89	129.17
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-619.13	
For Aluminized Steel Gate And Post, Add	1,584.97	
For Powder Coated Gate And Post, Add	858.53	
For 28' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	439.03	
For 28' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	506.78	
32 31 13 13-0384 EA 30' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	4,025.46	161.60
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-663.79	
For Aluminized Steel Gate And Post, Add	1,699.29	
For Powder Coated Gate And Post, Add	920.45	
For 30' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	468.25	
For 30' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	539.04	
<b>32 31 13 13-0385 12' Fence Height <small>(32 31 13 13-0264)</small></b>		
32 31 13 13-0386 EA 3' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	468.50	18.90
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-77.20	
For Aluminized Steel Gate And Post, Add	197.63	
For Powder Coated Gate And Post, Add	107.05	
For 3' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	73.95	
32 31 13 13-0387 EA 4' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	605.73	18.90
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-102.93	
For Aluminized Steel Gate And Post, Add	263.50	
For Powder Coated Gate And Post, Add	142.73	
For 4' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	77.57	
For 4' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	92.07	
32 31 13 13-0388 EA 5' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	704.52	19.59
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-121.06	
For Aluminized Steel Gate And Post, Add	309.91	
For Powder Coated Gate And Post, Add	167.87	
For 5' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	89.72	
For 5' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	105.42	



	<b>Exterior Improvements</b>	<b>32</b>
	<b>Site Improvements</b>	<b>32 30</b>
	<b>Fences And Gates</b>	<b>32 31</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0389 EA 6' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire .....	815.46	24.33
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-139.19	
For Aluminized Steel Gate And Post, Add	356.32	
For Powder Coated Gate And Post, Add	193.01	
For 6' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	101.88	
For 6' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	119.41	
32 31 13 13-0390 EA 7' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire .....	377.27	29.11
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-54.35	
For Aluminized Steel Gate And Post, Add	139.14	
For Powder Coated Gate And Post, Add	75.37	
For 7' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	53.63	
For 7' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	72.68	
32 31 13 13-0391 EA 8' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire .....	424.47	33.71
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-60.62	
For Aluminized Steel Gate And Post, Add	155.18	
For Powder Coated Gate And Post, Add	84.06	
For 8' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	58.81	
For 8' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	79.37	
32 31 13 13-0392 EA 9' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire .....	472.15	38.45
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-66.88	
For Aluminized Steel Gate And Post, Add	171.22	
For Powder Coated Gate And Post, Add	92.74	
For 9' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	63.99	
For 9' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	86.09	
32 31 13 13-0393 EA 10' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire .....	519.80	43.19
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-73.14	
For Aluminized Steel Gate And Post, Add	187.25	
For Powder Coated Gate And Post, Add	101.43	
For 10' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	69.19	
For 10' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	92.78	
32 31 13 13-0394 EA 10' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	697.58	51.31
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-101.91	
For Aluminized Steel Gate And Post, Add	260.89	
For Powder Coated Gate And Post, Add	141.32	
For 10' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	97.20	
For 10' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	129.24	
32 31 13 13-0395 EA 12' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	763.17	55.25
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-112.01	
For Aluminized Steel Gate And Post, Add	286.73	
For Powder Coated Gate And Post, Add	155.31	
For 12' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	106.14	
For 12' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	141.22	
32 31 13 13-0396 EA 14' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	864.46	59.83
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-128.39	
For Aluminized Steel Gate And Post, Add	328.67	
For Powder Coated Gate And Post, Add	178.03	
For 14' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	118.79	
For 14' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	156.89	
32 31 13 13-0397 EA 16' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	978.28	65.24
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-146.67	
For Aluminized Steel Gate And Post, Add	375.48	
For Powder Coated Gate And Post, Add	203.39	
For 16' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	132.54	
For 16' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	173.67	
32 31 13 13-0398 EA 18' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	2,761.92	71.84
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-477.44	
For Aluminized Steel Gate And Post, Add	1,222.25	
For Powder Coated Gate And Post, Add	662.05	
For 18' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	329.63	
For 18' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	373.77	
32 31 13 13-0399 EA 20' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	3,071.01	79.76
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-530.92	
For Aluminized Steel Gate And Post, Add	1,359.15	
For Powder Coated Gate And Post, Add	736.21	
For 20' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	364.03	
For 20' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	411.21	
32 31 13 13-0400 EA 22' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	3,383.43	89.75
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-583.85	
For Aluminized Steel Gate And Post, Add	1,494.64	
For Powder Coated Gate And Post, Add	809.60	
For 22' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	409.23	
For 22' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	467.89	
32 31 13 13-0401 EA 24' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	3,706.98	102.53
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-637.32	
For Aluminized Steel Gate And Post, Add	1,631.55	
For Powder Coated Gate And Post, Add	883.76	
For 24' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	443.64	
For 24' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	505.33	
32 31 13 13-0402 EA 26' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	4,037.85	119.72
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-689.70	
For Aluminized Steel Gate And Post, Add	1,765.63	
For Powder Coated Gate And Post, Add	956.38	
For 26' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	477.39	
For 26' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	542.12	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0403	EA	28' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For 28' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 28' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	4,391.63 -742.62 1,901.12 1,029.77 511.48 579.23	143.52
32 31 13	13-0404	EA	30' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For 30' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 30' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	4,785.06 -796.10 2,038.02 1,103.93 545.88 616.67	179.55
32 31 13	13-0405		<b>Vinyl Coated Without Barb Wire Arm</b> <small>(32 31 13 13-0263)</small> Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
32 31 13	13-0406		<b>4' Fence Height</b> <small>(32 31 13 13-0405)</small>		
32 31 13	13-0407	EA	3' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 3' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 3' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	102.28 -12.71 23.14 36.12	11.49
32 31 13	13-0408	EA	4' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 4' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 4' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	124.88 -16.95 27.13 41.63	11.49
32 31 13	13-0409	EA	5' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 5' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 5' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	146.01 -20.48 30.71 46.41	12.23
32 31 13	13-0410	EA	6' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 6' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 6' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	172.20 -24.01 34.31 51.84	14.72
32 31 13	13-0411	EA	7' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 7' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 7' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	198.39 -27.54 37.90 56.95	17.16
32 31 13	13-0412	EA	8' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 8' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 8' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	224.58 -31.07 41.48 62.04	19.59
32 31 13	13-0413	EA	9' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 9' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 9' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	250.77 -34.60 45.05 67.15	22.08
32 31 13	13-0414	EA	10' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 10' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 10' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	276.95 -38.13 48.65 72.24	24.52
32 31 13	13-0415	EA	10' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 10' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 10' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	344.74 -50.84 67.24 99.28	24.52
32 31 13	13-0416	EA	12' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 12' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 12' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	404.23 -61.01 76.22 111.30	26.26
32 31 13	13-0417	EA	14' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 14' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 14' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	464.54 -71.18 85.23 123.33	28.28
32 31 13	13-0418	EA	16' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 16' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 16' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	525.85 -81.35 94.21 135.34	30.63
32 31 13	13-0419	EA	18' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 18' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 18' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	604.56 -91.52 103.22 147.36	38.76
32 31 13	13-0420	EA	20' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 20' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 20' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	667.11 -101.69 112.22 159.40	41.55
32 31 13	13-0421	EA	22' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 22' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 22' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	730.94 -111.86 132.33 190.99	44.77
32 31 13	13-0422	EA	24' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 24' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 24' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	796.37 -122.02 141.33 203.02	48.48



		<b>Exterior Improvements</b>	<b>32</b>
		<b>Site Improvements</b>	<b>32 30</b>
		<b>Fences And Gates</b>	<b>32 31</b>

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0423	EA		26' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	863.84 -132.19	52.90
			<i>For 26' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	150.32	
			<i>For 26' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	215.05	
32 31 13 13-0424	EA		28' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	933.94 -142.36	58.19
			<i>For 28' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	159.33	
			<i>For 28' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	227.08	
32 31 13 13-0425	EA		30' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	1,007.60 -152.53	64.64
			<i>For 30' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	168.31	
			<i>For 30' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	239.10	
<b>32 31 13 13-0426</b>			<b>5' Fence Height <small>(32 31 13 13-0405)</small></b>		
32 31 13 13-0427	EA		3' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	120.79 -15.75	12.23
			<i>For 3' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	24.92	
			<i>For 3' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	37.90	
32 31 13 13-0428	EA		4' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	148.79 -21.00	12.23
			<i>For 4' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	29.51	
			<i>For 4' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	44.01	
32 31 13 13-0429	EA		5' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	172.10 -24.94	13.01
			<i>For 5' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	33.33	
			<i>For 5' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	49.03	
32 31 13 13-0430	EA		6' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	200.91 -28.88	15.64
			<i>For 6' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	37.16	
			<i>For 6' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	54.69	
32 31 13 13-0431	EA		7' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	229.74 -32.81	18.21
			<i>For 7' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	40.99	
			<i>For 7' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	60.04	
32 31 13 13-0432	EA		8' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	259.01 -36.75	20.97
			<i>For 8' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	44.81	
			<i>For 8' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	65.37	
32 31 13 13-0433	EA		9' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	287.83 -40.69	23.59
32 31 13 13-0434	EA		10' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	316.64 -44.63	26.17
			<i>For 10' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	52.46	
			<i>For 10' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	76.05	
32 31 13 13-0435	EA		10' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	414.85 -63.00	26.26
			<i>For 10' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	74.37	
			<i>For 10' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	106.41	
32 31 13 13-0436	EA		12' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	488.12 -75.60	28.28
			<i>For 12' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	84.78	
			<i>For 12' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	119.86	
32 31 13 13-0437	EA		14' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	562.40 -88.20	30.63
			<i>For 14' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	95.22	
			<i>For 14' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	133.32	
32 31 13 13-0438	EA		16' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	654.08 -100.80	38.76
			<i>For 16' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	105.63	
			<i>For 16' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	146.76	
32 31 13 13-0439	EA		18' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	729.60 -113.40	41.55
32 31 13 13-0440	EA		20' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	806.39 -126.00	44.77
			<i>For 20' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	126.48	
			<i>For 20' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	173.66	
32 31 13 13-0441	EA		22' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	884.79 -138.60	48.48
			<i>For 22' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	148.02	
			<i>For 22' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	206.68	
32 31 13 13-0442	EA		24' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	965.23 -151.20	52.90
			<i>For 24' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	158.45	
			<i>For 24' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	220.14	
32 31 13 13-0443	EA		26' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	1,048.31 -163.80	58.19
			<i>For 26' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	168.87	
			<i>For 26' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	233.60	
32 31 13 13-0444	EA		28' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	1,134.93 -176.40	64.64
			<i>For 28' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	179.30	
			<i>For 28' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	247.05	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0445	EA	30' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 30' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 30' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	1,226.40 -189.00 189.71 260.50	72.72
<b>32 31</b>	<b>13 13-0446</b>		<b>6' Fence Height (32 31 13 13-0405)</b>		
32 31	13 13-0447	EA	3' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 3' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 3' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	129.19 -16.83 25.55 38.53	13.11
32 31	13 13-0448	EA	4' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 4' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 4' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	159.12 -22.44 30.36 44.86	13.11
32 31	13 13-0449	EA	5' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 5' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 5' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	183.99 -26.65 34.34 50.04	13.93
32 31	13 13-0450	EA	6' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 6' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 6' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	215.19 -30.86 38.32 55.85	16.84
32 31	13 13-0451	EA	7' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 7' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 7' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	246.36 -35.07 42.31 61.36	19.78
32 31	13 13-0452	EA	8' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 8' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 8' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	277.07 -39.28 46.29 66.85	22.54
32 31	13 13-0453	EA	9' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 9' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 9' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	308.27 -43.49 50.26 72.36	25.43
32 31	13 13-0454	EA	10' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 10' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 10' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	339.45 -47.69 54.26 77.85	28.33
32 31	13 13-0455	EA	10' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 10' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 10' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	444.01 -67.33 76.91 108.95	28.28
32 31	13 13-0456	EA	12' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 12' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 12' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	522.90 -80.80 87.83 122.91	30.63
32 31	13 13-0457	EA	14' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 14' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 14' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	627.52 -94.26 98.77 136.87	41.55
32 31	13 13-0458	EA	16' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 16' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 16' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	708.93 -107.73 109.69 150.82	44.77
32 31	13 13-0459	EA	18' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 18' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 18' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	791.95 -121.19 120.63 164.77	48.48
32 31	13 13-0460	EA	20' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 20' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 20' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	890.28 -137.15 133.02 180.20	52.90
32 31	13 13-0461	EA	22' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 22' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 22' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	967.11 -148.58 153.88 212.54	58.19
32 31	13 13-0462	EA	24' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 24' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 24' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	1,055.94 -161.59 164.54 226.23	64.64
32 31	13 13-0463	EA	26' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 26' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 26' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	1,152.03 -175.06 175.47 240.20	72.72
32 31	13 13-0464	EA	28' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 28' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 28' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	1,255.04 -188.53 186.41 254.16	83.09
32 31	13 13-0465	EA	30' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 30' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 30' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	1,368.45 -201.99 197.33 268.12	96.96



		<b>Exterior Improvements</b>	<b>32</b>
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>32 31 13 13-0466 7' Fence Height</b> <small>(32 31 13 13-0405)</small>		
32 31 13 13-0467 EA 3' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	136.75	14.12
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-17.68	
For 3' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	26.05	
For 3' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	39.03	
32 31 13 13-0468 EA 4' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	168.19	14.12
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-23.57	
For 4' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	31.02	
For 4' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	45.52	
32 31 13 13-0469 EA 5' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	193.92	14.86
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-28.00	
For 5' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	35.12	
For 5' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	50.82	
32 31 13 13-0470 EA 6' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	227.15	18.07
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-32.42	
For 6' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	39.24	
For 6' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	56.77	
32 31 13 13-0471 EA 7' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	259.91	21.15
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-36.83	
For 7' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	43.35	
For 7' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	62.40	
32 31 13 13-0472 EA 8' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	293.15	24.33
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-41.26	
For 8' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	47.45	
For 8' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	68.01	
32 31 13 13-0473 EA 9' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	325.93	27.41
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-45.68	
For 9' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	51.55	
For 9' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	73.65	
32 31 13 13-0474 EA 10' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	359.17	30.63
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-50.10	
For 10' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	55.67	
For 10' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	79.26	
32 31 13 13-0475 EA 10' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	469.18	30.63
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-70.72	
For 10' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	78.90	
For 10' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	110.94	
32 31 13 13-0476 EA 12' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	577.40	41.55
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-84.86	
For 12' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	90.22	
For 12' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	125.30	
32 31 13 13-0477 EA 14' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	662.44	44.77
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-99.01	
For 14' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	101.56	
For 14' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	139.66	
32 31 13 13-0478 EA 16' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	749.06	48.48
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-113.15	
For 16' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	112.87	
For 16' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	154.00	
32 31 13 13-0479 EA 18' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	837.75	52.90
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-127.30	
For 18' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	124.21	
For 18' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	168.35	
32 31 13 13-0480 EA 20' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	929.04	58.19
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-141.44	
For 20' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	135.54	
For 20' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	182.72	
32 31 13 13-0481 EA 22' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,023.89	64.64
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-155.58	
For 22' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	157.99	
For 22' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	216.65	
32 31 13 13-0482 EA 24' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,123.60	72.72
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-169.73	
For 24' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	169.31	
For 24' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	231.00	
32 31 13 13-0483 EA 26' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,230.24	83.09
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-183.88	
For 26' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	180.64	
For 26' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	245.37	
32 31 13 13-0484 EA 28' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,347.25	96.96
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-198.02	
For 28' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	191.98	
For 28' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	259.73	
32 31 13 13-0485 EA 30' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,480.94	116.33
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-212.16	
For 30' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	203.30	
For 30' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	274.09	
<b>32 31 13 13-0486 8' Fence Height</b> <small>(32 31 13 13-0405)</small>		
32 31 13 13-0487 EA 3' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	160.28	15.32
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-21.43	
For 3' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	28.25	
For 3' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	41.23	



**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0488	EA		4' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	198.38	15.32
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-28.57	
			<i>For 4' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	33.95	
			<i>For 4' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	48.45	
32 31 13 13-0489	EA		5' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	223.78	15.32
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-33.34	
			<i>For 5' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	38.26	
			<i>For 5' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	53.96	
32 31 13 13-0490	EA		6' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	261.13	19.31
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-38.10	
			<i>For 6' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	42.57	
			<i>For 6' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	60.10	
32 31 13 13-0491	EA		7' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	298.49	23.27
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-42.86	
			<i>For 7' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	46.88	
			<i>For 7' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	65.93	
32 31 13 13-0492	EA		8' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	335.38	27.09
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-47.62	
			<i>For 8' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	51.19	
			<i>For 8' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	71.75	
32 31 13 13-0493	EA		9' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	372.74	31.09
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-52.38	
			<i>For 9' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	55.48	
			<i>For 9' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	77.58	
32 31 13 13-0494	EA		10' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	410.10	35.10
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-57.15	
			<i>For 10' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	59.81	
			<i>For 10' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	83.40	
32 31 13 13-0495	EA		10' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	581.95	41.55
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-85.72	
			<i>For 10' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	87.70	
			<i>For 10' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	119.74	
32 31 13 13-0496	EA		12' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	682.97	44.77
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-102.86	
			<i>For 12' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	100.77	
			<i>For 12' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	135.85	
32 31 13 13-0497	EA		14' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	785.60	48.48
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-120.00	
			<i>For 14' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	113.87	
			<i>For 14' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	151.97	
32 31 13 13-0498	EA		16' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	890.27	52.90
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-137.15	
			<i>For 16' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	126.95	
			<i>For 16' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	168.08	
32 31 13 13-0499	EA		18' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	997.57	58.19
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-154.29	
			<i>For 18' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	140.05	
			<i>For 18' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	184.19	
32 31 13 13-0500	EA		20' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,108.43	64.64
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-171.44	
			<i>For 20' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	153.14	
			<i>For 20' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	200.32	
32 31 13 13-0501	EA		22' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,224.13	72.72
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-188.58	
			<i>For 22' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	177.34	
			<i>For 22' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	236.00	
32 31 13 13-0502	EA		24' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,346.75	83.09
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-205.72	
			<i>For 24' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	190.43	
			<i>For 24' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	252.12	
32 31 13 13-0503	EA		26' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,479.77	96.96
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-222.86	
			<i>For 26' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	203.52	
			<i>For 26' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	268.25	
32 31 13 13-0504	EA		28' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,629.44	116.33
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-240.01	
			<i>For 28' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	216.61	
			<i>For 28' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	284.36	
32 31 13 13-0505	EA		30' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,808.21	145.44
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-257.15	
			<i>For 30' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	229.69	
			<i>For 30' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	300.48	
32 31 13 13-0506			<b>10' Fence Height</b> <small>(32 31 13 13-0405)</small>		
32 31 13 13-0507	EA		3' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	183.69	17.02
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-24.86	
			<i>For 3' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	30.26	
			<i>For 3' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	43.24	
32 31 13 13-0508	EA		4' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	227.88	17.02
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-33.14	
			<i>For 4' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i>	36.63	
			<i>For 4' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	51.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0509 EA 5' Wide x 10' High Gate Single Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 5' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 5' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	259.59 -38.67 41.39 57.09	17.75
32 31 13 13-0510 EA 6' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 6' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 6' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	301.93 -44.19 46.15 63.68	22.08
32 31 13 13-0511 EA 7' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 7' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 7' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	343.80 -49.72 50.91 69.96	26.17
32 31 13 13-0512 EA 8' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 8' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 8' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	386.15 -55.24 55.66 76.22	30.49
32 31 13 13-0513 EA 9' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 9' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 9' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	428.04 -60.77 60.40 82.50	34.63
32 31 13 13-0514 EA 10' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 10' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 10' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	470.38 -66.29 65.17 88.76	38.91
32 31 13 13-0515 EA 10' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 10' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 10' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	668.98 -99.44 95.75 127.79	46.19
32 31 13 13-0516 EA 12' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 12' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 12' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	785.65 -119.32 110.43 145.51	49.68
32 31 13 13-0517 EA 14' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 14' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 14' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	904.21 -139.21 125.14 163.24	53.88
32 31 13 13-0518 EA 16' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 16' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 16' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	1,024.91 -159.10 139.83 180.96	58.74
32 31 13 13-0519 EA 18' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 18' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 18' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	1,148.70 -178.99 154.53 198.67	64.64
32 31 13 13-0520 EA 20' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 20' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 20' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	1,276.22 -198.87 169.23 216.41	71.79
32 31 13 13-0521 EA 22' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 22' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 22' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	1,409.36 -218.76 195.05 253.71	80.80
32 31 13 13-0522 EA 24' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	1,549.90 -238.65	92.27
32 31 13 13-0523 EA 26' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 26' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 26' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	1,702.37 -258.53 224.44 289.17	107.71
32 31 13 13-0524 EA 28' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 28' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 28' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	1,872.78 -278.42 239.15 306.90	129.17
32 31 13 13-0525 EA 30' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 30' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 30' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	2,076.25 -298.31 253.84 324.63	161.60
<b>32 31 13 13-0526 12' Fence Height</b> <small>(32 31 13 13-0405)</small>		
32 31 13 13-0527 EA 3' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 3' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 3' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	241.68 -34.67 36.02 49.00	18.90
32 31 13 13-0528 EA 4' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 4' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 4' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	303.14 -46.19 44.29 58.79	18.90
32 31 13 13-0529 EA 5' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 5' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 5' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	350.95 -54.77 50.83 66.53	19.59
32 31 13 13-0530 EA 6' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 6' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add</i> <i>For 6' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add</i>	403.29 -61.91 56.54 74.07	24.33

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0531 EA 7' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	459.89	29.11
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-69.84	
For 7' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	62.72	
For 7' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	81.77	
32 31 13 13-0532 EA 8' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	516.01	33.71
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-77.78	
For 8' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	68.88	
For 8' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	89.44	
32 31 13 13-0533 EA 9' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	572.61	38.45
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-85.72	
For 9' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	75.04	
For 9' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	97.14	
32 31 13 13-0534 EA 10' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	624.96	43.19
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-92.86	
For 10' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	80.76	
For 10' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	104.35	
32 31 13 13-0535 EA 10' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	896.64	51.31
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-139.25	
For 10' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	119.10	
For 10' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	151.14	
32 31 13 13-0536 EA 12' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,081.15	55.25
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-171.63	
For 12' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	141.12	
For 12' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	176.20	
32 31 13 13-0537 EA 14' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,248.48	59.83
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-200.39	
For 14' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	161.03	
For 14' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	199.13	
32 31 13 13-0538 EA 16' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,417.16	65.24
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-228.96	
For 16' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	180.82	
For 16' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	221.95	
32 31 13 13-0539 EA 18' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,587.17	71.84
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-257.15	
For 18' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	200.39	
For 18' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	244.53	
32 31 13 13-0540 EA 20' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,763.32	79.76
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-285.73	
For 20' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	220.19	
For 20' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	267.37	
32 31 13 13-0541 EA 22' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,945.86	89.75
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-314.30	
For 22' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	251.10	
For 22' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	309.76	
32 31 13 13-0542 EA 24' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,136.58	102.53
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-342.87	
For 24' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	270.89	
For 24' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	332.58	
32 31 13 13-0543 EA 26' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,345.58	119.72
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-372.40	
For 26' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	291.24	
For 26' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	355.97	
32 31 13 13-0544 EA 28' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,569.48	143.52
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-400.97	
For 28' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	311.05	
For 28' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	378.80	
32 31 13 13-0545 EA 30' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,830.08	179.55
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-429.54	
For 30' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	330.83	
For 30' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	401.62	
<b>32 31 13 13-0546 Chain Link Galvanized Steel Sliding Gate</b> <small>(32 31 13 13-0263)</small>		
Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, rails, wheel, rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
<b>32 31 13 13-0547 4' High Chain Link Galvanized Steel Sliding Gate</b> <small>(32 31 13 13-0546)</small>		
32 31 13 13-0548 EA 10' Long x 4' High Chain Link Galvanized Steel Sliding Gate.....	1,523.26	177.21
For Gate With Barb Wire Arm, Add	128.57	
For Vinyl Coated, Add	350.65	
32 31 13 13-0549 EA 12' Long x 4' High Chain Link Galvanized Steel Sliding Gate.....	1,830.44	213.95
For Gate With Barb Wire Arm, Add	154.28	
For Vinyl Coated, Add	420.78	
32 31 13 13-0550 EA 14' Long x 4' High Chain Link Galvanized Steel Sliding Gate.....	2,135.60	249.60
For Gate With Barb Wire Arm, Add	180.00	
For Vinyl Coated, Add	490.91	
32 31 13 13-0551 EA 16' Long x 4' High Chain Link Galvanized Steel Sliding Gate.....	2,443.87	286.88
For Gate With Barb Wire Arm, Add	205.71	
For Vinyl Coated, Add	561.04	
32 31 13 13-0552 EA 18' Long x 4' High Chain Link Galvanized Steel Sliding Gate.....	2,749.37	322.75
For Gate With Barb Wire Arm, Add	231.43	
For Vinyl Coated, Add	631.16	



		<b>Exterior Improvements</b>	<b>32</b>
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0553	EA		20' Long x 4' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,048.26 257.14 701.30	355.29
32 31 13 13-0554	EA		24' Long x 4' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,640.28 306.30 835.38	427.85
32 31 13 13-0555	EA		30' Long x 4' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,121.65 385.71 1,051.94	807.59
32 31 13 13-0556	EA		40' Long x 4' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	6,828.86 514.28 1,402.59	1,076.79
<b>32 31 13 13-0557</b>			<b>5' High Chain Link Galvanized Steel Sliding Gate</b> (22 31 13 13-0546)		
32 31 13 13-0558	EA		10' Long x 5' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	1,588.92 132.35 360.95	192.88
32 31 13 13-0559	EA		12' Long x 5' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	1,906.17 158.82 433.14	231.20
32 31 13 13-0560	EA		14' Long x 5' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,223.77 185.29 505.34	269.69
32 31 13 13-0561	EA		16' Long x 5' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,541.61 211.76 577.52	308.29
32 31 13 13-0562	EA		18' Long x 5' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,859.17 238.23 649.71	346.72
32 31 13 13-0563	EA		20' Long x 5' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,176.89 264.70 721.91	385.26
32 31 13 13-0564	EA		24' Long x 5' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,792.14 315.31 859.93	462.84
32 31 13 13-0565	EA		30' Long x 5' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,765.53 397.05 1,082.86	578.03
32 31 13 13-0566	EA		40' Long x 5' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	6,353.77 529.40 1,443.81	770.53
<b>32 31 13 13-0567</b>			<b>6' High Chain Link Galvanized Steel Sliding Gate</b> (22 31 13 13-0546)		
32 31 13 13-0568	EA		10' Long x 6' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	1,679.43 134.99 368.17	226.13
32 31 13 13-0569	EA		12' Long x 6' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,013.72 161.99 441.80	270.51
32 31 13 13-0570	EA		14' Long x 6' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,349.24 188.99 515.43	315.55
32 31 13 13-0571	EA		16' Long x 6' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,684.96 215.99 589.07	360.69
32 31 13 13-0572	EA		18' Long x 6' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,020.49 242.99 662.70	405.74
32 31 13 13-0573	EA		20' Long x 6' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,359.05 269.99 736.33	452.30
32 31 13 13-0574	EA		24' Long x 6' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,005.84 321.61 877.12	541.07
32 31 13 13-0575	EA		30' Long x 6' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,034.64 404.98 1,104.50	676.51
32 31 13 13-0576	EA		40' Long x 6' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	6,712.12 539.98 1,472.66	901.61
<b>32 31 13 13-0577</b>			<b>7' High Chain Link Galvanized Steel Sliding Gate</b> (22 31 13 13-0546)		
32 31 13 13-0578	EA		10' Long x 7' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	1,779.76 140.29 382.60	252.22
32 31 13 13-0579	EA		12' Long x 7' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,135.33 168.35 459.13	302.44
32 31 13 13-0580	EA		14' Long x 7' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,491.68 196.40 535.63	353.10

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0581	EA	16' Long x 7' High Chain Link Galvanized Steel Sliding Gate ..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,847.19 224.46 612.15	403.33
32 31	13 13-0582	EA	18' Long x 7' High Chain Link Galvanized Steel Sliding Gate ..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,203.17 252.51 688.67	453.83
32 31	13 13-0583	EA	20' Long x 7' High Chain Link Galvanized Steel Sliding Gate ..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,558.81 280.57 765.19	504.12
32 31	13 13-0584	EA	24' Long x 7' High Chain Link Galvanized Steel Sliding Gate ..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,248.12 334.21 911.49	604.89
32 31	13 13-0585	EA	30' Long x 7' High Chain Link Galvanized Steel Sliding Gate ..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,338.21 420.85 1,147.78	756.11
32 31	13 13-0586	EA	40' Long x 7' High Chain Link Galvanized Steel Sliding Gate ..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	7,117.61 561.14 1,530.38	1,008.17
<b>32 31 13 13-0587 8' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0546)</b>					
32 31	13 13-0588	EA	10' Long x 8' High Chain Link Galvanized Steel Sliding Gate ..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	1,859.58 144.44 393.93	273.24
32 31	13 13-0589	EA	12' Long x 8' High Chain Link Galvanized Steel Sliding Gate ..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,229.93 173.33 472.72	327.12
32 31	13 13-0590	EA	14' Long x 8' High Chain Link Galvanized Steel Sliding Gate ..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,601.61 202.22 551.50	381.66
32 31	13 13-0591	EA	16' Long x 8' High Chain Link Galvanized Steel Sliding Gate ..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,973.40 231.11 630.29	436.20
32 31	13 13-0592	EA	18' Long x 8' High Chain Link Galvanized Steel Sliding Gate ..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,344.58 259.99 709.07	490.52
32 31	13 13-0593	EA	20' Long x 8' High Chain Link Galvanized Steel Sliding Gate ..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,716.42 288.88 787.86	545.11
32 31	13 13-0594	EA	24' Long x 8' High Chain Link Galvanized Steel Sliding Gate ..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,436.72 344.12 938.50	654.18
32 31	13 13-0595	EA	30' Long x 8' High Chain Link Galvanized Steel Sliding Gate ..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,575.05 433.32 1,181.79	817.86
32 31	13 13-0596	EA	40' Long x 8' High Chain Link Galvanized Steel Sliding Gate ..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	7,431.76 577.76 1,575.72	1,089.67
<b>32 31 13 13-0597 9' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0546)</b>					
32 31	13 13-0598	EA	10' Long x 9' High Chain Link Galvanized Steel Sliding Gate ..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	1,953.90 149.35 407.33	298.08
32 31	13 13-0599	EA	12' Long x 9' High Chain Link Galvanized Steel Sliding Gate ..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,342.48 179.22 488.79	356.60
32 31	13 13-0600	EA	14' Long x 9' High Chain Link Galvanized Steel Sliding Gate ..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,732.75 209.09 570.26	415.94
32 31	13 13-0601	EA	16' Long x 9' High Chain Link Galvanized Steel Sliding Gate ..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,123.51 238.97 651.72	475.56
32 31	13 13-0602	EA	18' Long x 9' High Chain Link Galvanized Steel Sliding Gate ..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,513.89 268.84 733.19	534.96
32 31	13 13-0603	EA	20' Long x 9' High Chain Link Galvanized Steel Sliding Gate ..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,904.26 298.71 814.66	594.35
32 31	13 13-0604	EA	24' Long x 9' High Chain Link Galvanized Steel Sliding Gate ..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,661.04 355.82 970.41	713.15
32 31	13 13-0605	EA	30' Long x 9' High Chain Link Galvanized Steel Sliding Gate ..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,855.90 448.06 1,221.98	891.34
32 31	13 13-0606	EA	40' Long x 9' High Chain Link Galvanized Steel Sliding Gate ..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	7,809.82 597.41 1,629.31	1,189.41
<b>32 31 13 13-0607 10' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0546)</b>					
32 31	13 13-0608	EA	10' Long x 10' High Chain Link Galvanized Steel Sliding Gate ..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,071.92 155.78 424.85	327.88



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0609 EA 12' Long x 10' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,486.32 186.93 509.82	393.45
32 31 13 13-0610 EA 14' Long x 10' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	2,900.93 218.09 594.79	459.13
32 31 13 13-0611 EA 16' Long x 10' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,315.21 249.24 679.76	524.70
32 31 13 13-0612 EA 18' Long x 10' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,729.46 280.40 764.72	590.20
32 31 13 13-0613 EA 20' Long x 10' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,143.85 311.55 849.69	655.77
32 31 13 13-0614 EA 24' Long x 10' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,948.26 371.12 1,012.15	787.23
32 31 13 13-0615 EA 30' Long x 10' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	6,215.77 467.33 1,274.54	983.66
32 31 13 13-0616 EA 40' Long x 10' High Chain Link Galvanized Steel Sliding Gate..... <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	8,286.14 623.11 1,699.39	1,310.77
<b>32 31 13 13-0617 Sliding Cantilever Gate, Single Track, Manually Operated Exposed Roller</b> <sup>(32)</sup> <small><sup>31 13 13-0263</sup> Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, rails, wheel, rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, single track, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate. See CSI section 32 31 11 00-0020 for gate operators.</small>		
32 31 13 13-0618 EA 5' High x 10' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	4,155.52 409.07 595.00 1,785.01 780.94 1,115.63	218.38
32 31 13 13-0619 EA 5' High x 12' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	4,517.85 436.91 635.51 1,906.52 834.10 1,191.58	272.96
32 31 13 13-0620 EA 5' High x 15' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	4,883.67 465.14 676.57 2,029.70 888.00 1,268.57	327.55
32 31 13 13-0621 EA 5' High x 20' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	5,665.84 527.16 766.78 2,300.33 1,006.40 1,437.71	436.74
32 31 13 13-0622 EA 6' High x 15' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	5,228.39 479.04 696.79 2,090.36 914.53 1,306.47	436.74
32 31 13 13-0623 EA 6' High x 20' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	6,050.96 539.50 784.72 2,354.16 1,029.95 1,471.35	573.23
32 31 13 13-0624 EA 6' High x 25' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	8,085.33 733.25 1,066.55 3,199.64 1,399.84 1,999.77	709.71
32 31 13 13-0625 EA 6' High x 30' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	9,049.05 809.23 1,177.07 3,531.20 1,544.90 2,207.00	846.19
32 31 13 13-0626 EA 8' High x 15' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	6,074.34 548.07 797.20 2,391.59 1,046.32 1,494.74	545.93

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0627	EA		8' High x 20' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	7,084.35 617.14 897.65 2,692.96 1,178.17 1,683.10	737.01
32 31 13 13-0628	EA		8' High x 25' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	9,481.37 838.77 1,220.03 3,660.10 1,601.29 2,287.56	928.08
32 31 13 13-0629	EA		8' High x 30' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	10,598.13 925.59 1,346.31 4,038.92 1,767.03 2,524.32	1,091.86
<b>32 31 13 13-0630</b>			<b>Gate Accessories</b> <small>(32 31 13 13-0263)</small>		
32 31 13 13-0631	EA		Gate Center Stop, Cast Steel, Ground.....	22.38	
32 31 13 13-0632	EA		Gate Latch, Malleable Galvanized Steel.....	27.07	
32 31 13 13-0633	EA		Gate Keeper, Full Length, Galvanized Steel.....	128.36	
32 31 13 13-0634	EA		Gate Keeper Hold-Open For Cantilever Gate.....	60.32	8.73
32 31 13 13-0635	EA		Heavy Duty Gate Latch, Malleable Galvanized Steel.....	33.43	
32 31 13 13-0636	EA		Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 3' To 5' High Gate.....	761.76	
32 31 13 13-0637	EA		Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >5' To 8' High Gate.....	814.95	
32 31 13 13-0638	EA		Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >8' To 12' High Gate.....	868.16	
32 31 13 13-0639	LF		Aluminum V-Groove Gate Track.....	27.55	4.79
32 31 13 13-0640	LF		Galvanized Steel V-Groove Gate Track.....	22.06	4.75
<b>32 31 13 13-0641</b>			<b>Tube Gate</b> <small>(32 31 13 13-0263)</small>		
<b>32 31 13 13-0642</b>			<b>50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate</b> <small>(32 31 13 13-0641)</small>		
			Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes bollard and chain.		
32 31 13 13-0643	EA		4' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate..... <i>For 13 Gauge Tubing, Add</i> <i>For Galvanized Finish, Add</i>	106.30 17.58 10.43	12.42
32 31 13 13-0644	EA		6' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate..... <i>For 13 Gauge Tubing, Add</i> <i>For Galvanized Finish, Add</i>	138.08 22.79 13.47	16.09
32 31 13 13-0645	EA		8' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate..... <i>For 13 Gauge Tubing, Add</i> <i>For Galvanized Finish, Add</i>	186.90 31.17 18.72	20.70
32 31 13 13-0646	EA		10' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate..... <i>For 13 Gauge Tubing, Add</i> <i>For Galvanized Finish, Add</i>	214.26 35.03 20.41	25.76
32 31 13 13-0647	EA		12' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate..... <i>For 13 Gauge Tubing, Add</i> <i>For Galvanized Finish, Add</i>	254.34 41.67 24.35	30.63
32 31 13 13-0648	EA		14' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate..... <i>For 13 Gauge Tubing, Add</i> <i>For Galvanized Finish, Add</i>	277.09 45.07 26.04	34.49
32 31 13 13-0649	EA		16' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate..... <i>For 13 Gauge Tubing, Add</i> <i>For Galvanized Finish, Add</i>	325.73 53.19 30.92	39.78
<b>32 31 13 13-0650</b>			<b>33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate</b> <small>(32 31 13 13-0641)</small>		
			Note: Round top edges. Includes lag bolt hinges, lock plate and hardware.		
32 31 13 13-0651	EA		4' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	141.23	12.42
32 31 13 13-0652	EA		6' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	168.16	16.09
32 31 13 13-0653	EA		8' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	200.08	20.70
32 31 13 13-0654	EA		10' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	229.25	25.76
32 31 13 13-0655	EA		12' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	259.36	30.63
32 31 13 13-0656	EA		14' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	287.01	34.49
32 31 13 13-0657	EA		16' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	319.82	39.78
32 31 13 13-0658	EA		18' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	367.80	44.78
32 31 13 13-0659	EA		20' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	412.35	50.09
<b>32 31 13 13-0660</b>			<b>33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate</b> <small>(32 31 13 13-0641)</small>		
			Note: Round top edges. Includes lag bolt hinges, lock plate and hardware.		
32 31 13 13-0661	EA		4' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	153.47	12.42
32 31 13 13-0662	EA		6' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	180.19	16.09



		<b>Exterior Improvements</b>	<b>32</b>
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0663 EA 8' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate .....	208.23	20.70
32 31 13 13-0664 EA 10' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate .....	241.15	25.76
32 31 13 13-0665 EA 12' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate .....	267.96	30.63
32 31 13 13-0666 EA 14' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate .....	307.08	34.49
32 31 13 13-0667 EA 16' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate .....	341.62	39.78
32 31 13 13-0668 EA 18' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate .....	401.06	44.78
32 31 13 13-0669 EA 20' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate .....	442.26	50.09
<b>32 31 13 13-0670 Tubular Steel Barrier Gate (Triangular Shape)</b> <small>(32 31 13 13-0641)</small>		
Note: Includes posts, caps, welded hinges and lock keeper. Excludes augering, concrete, and bollards.		
32 31 13 13-0671 EA 4' High x 10' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post .....	1,162.39	25.76
32 31 13 13-0672 EA 4' High x 12' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post .....	1,259.15	30.63
32 31 13 13-0673 EA 4' High x 14' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post .....	1,494.37	34.49
<b>32 31 13 13-0674 Pipe Gate</b> <small>(32 31 13 13-0263)</small>		
32 31 13 13-0675 EA 20' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier) .....	2,270.27	
32 31 13 13-0676 EA 25' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier) .....	2,844.29	
32 31 13 13-0677 EA 30' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier) .....	3,393.03	
<b>32 31 13 13-0678 Vertical-Pivot Lift Gate</b> <small>(32 31 13 13-0263)</small>		
Note: Includes 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes operator. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate.		
32 31 13 13-0679 EA 5' High x 12' Wide Galvanized Vertical-Pivot Lift Gate .....	16,583.87	409.45
For Curb Notch, Add	239.00	
For Prewired Loop Kit, Add	245.00	
32 31 13 13-0680 EA 5' High x 14' Wide Galvanized Vertical-Pivot Lift Gate .....	16,747.65	491.34
For Curb Notch, Add	239.00	
For Prewired Loop Kit, Add	245.00	
32 31 13 13-0681 EA 5' High x 16' Wide Galvanized Vertical-Pivot Lift Gate .....	16,911.44	573.23
For Curb Notch, Add	239.00	
For Prewired Loop Kit, Add	245.00	
For Wind Bracing, Add	287.50	
32 31 13 13-0682 EA 5' High x 18' Wide Galvanized Vertical-Pivot Lift Gate .....	17,272.89	655.12
For Curb Notch, Add	239.00	
For Prewired Loop Kit, Add	245.00	
For Wind Bracing, Add	317.50	
32 31 13 13-0683 EA 5' High x 20' Wide Galvanized Vertical-Pivot Lift Gate .....	17,624.47	737.01
For Curb Notch, Add	239.00	
For Prewired Loop Kit, Add	245.00	
For Wind Bracing, Add	317.50	
32 31 13 13-0684 EA 6' High x 12' Wide Galvanized Vertical-Pivot Lift Gate .....	17,215.02	532.28
For Curb Notch, Add	239.00	
For Prewired Loop Kit, Add	245.00	
32 31 13 13-0685 EA 6' High x 14' Wide Galvanized Vertical-Pivot Lift Gate .....	17,378.81	614.17
For Curb Notch, Add	239.00	
For Prewired Loop Kit, Add	245.00	
32 31 13 13-0686 EA 6' High x 16' Wide Galvanized Vertical-Pivot Lift Gate .....	17,542.58	696.06
For Curb Notch, Add	239.00	
For Prewired Loop Kit, Add	245.00	
For Wind Bracing, Add	287.50	
32 31 13 13-0687 EA 6' High x 18' Wide Galvanized Vertical-Pivot Lift Gate .....	17,815.08	777.95
For Curb Notch, Add	239.00	
For Prewired Loop Kit, Add	245.00	
For Wind Bracing, Add	317.50	
32 31 13 13-0688 EA 6' High x 20' Wide Galvanized Vertical-Pivot Lift Gate .....	18,255.61	859.84
For Curb Notch, Add	239.00	
For Prewired Loop Kit, Add	245.00	
For Wind Bracing, Add	317.50	
<b>32 31 13 13-0689 Accessories</b> <small>(32 31 13 13)</small>		
<b>32 31 13 13-0690 Barbed And Concertina Wire</b> <small>(32 31 13 13-0689)</small>		
<b>32 31 13 13-0691 Single Strand Barbed Wire</b> <small>(32 31 13 13-0690)</small>		
32 31 13 13-0692 LF Galvanized Barbed Wire, Per Strand .....	0.51	0.23
Note: Includes clips. 4 points 12-1/2 Gauge, Class I.		
For >500 To 2,000, Deduct	-0.05	
For >2,000, Deduct	-0.07	
32 31 13 13-0693 LF Vinyl Coated Barbed Wire (Fused), Per Strand .....	0.60	0.23
Note: Includes clips.		
For >500 To 2,000, Deduct	-0.05	
For >2,000, Deduct	-0.08	
32 31 13 13-0694 EA Barbed Wire Extension Arms 3 Strands (Single Arm) .....	6.13	3.68
32 31 13 13-0695 EA Barbed Wire Extension Arms 6 Strands (Double Arm) .....	10.46	4.42
32 31 13 13-0696 EA Barbed Wire Eye Tops (For Single Strand) .....	6.02	3.68
<b>32 31 13 13-0697 Galvanized Steel Concertina (Razor) Wire, Single Coil</b> <small>(32 31 13 13-0690)</small>		



**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0698	LF	18" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	2.13	0.32
			<i>For &gt;500 To 1,500, Deduct</i>	-0.18	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-0.37	
			<i>For &gt;5,000, Deduct</i>	-0.52	
			<i>For Ground Installation, Deduct</i>	-0.23	
			<i>For Double Coil (Helix), Add</i>	1.67	
32 31	13 13-0699	LF	18" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	3.21	0.32
			<i>For &gt;500 To 1,500, Deduct</i>	-0.28	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-0.55	
			<i>For &gt;5,000, Deduct</i>	-0.78	
			<i>For Ground Installation, Deduct</i>	-0.35	
			<i>For Double Coil (Helix), Add</i>	2.52	
32 31	13 13-0700	LF	18" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	4.26	0.32
			<i>For &gt;500 To 1,500, Deduct</i>	-0.37	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-0.73	
			<i>For &gt;5,000, Deduct</i>	-1.04	
			<i>For Ground Installation, Deduct</i>	-0.46	
			<i>For Double Coil (Helix), Add</i>	3.34	
32 31	13 13-0701	LF	24" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	2.71	0.32
			<i>For &gt;500 To 1,500, Deduct</i>	-0.23	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-0.46	
			<i>For &gt;5,000, Deduct</i>	-0.64	
			<i>For Ground Installation, Deduct</i>	-0.26	
			<i>For Double Coil (Helix), Add</i>	2.20	
32 31	13 13-0702	LF	24" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	4.10	0.32
			<i>For &gt;500 To 1,500, Deduct</i>	-0.35	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-0.69	
			<i>For &gt;5,000, Deduct</i>	-0.97	
			<i>For Ground Installation, Deduct</i>	-0.38	
			<i>For Double Coil (Helix), Add</i>	3.34	
32 31	13 13-0703	LF	24" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	5.42	0.32
			<i>For &gt;500 To 1,500, Deduct</i>	-0.46	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-0.91	
			<i>For &gt;5,000, Deduct</i>	-1.29	
			<i>For Ground Installation, Deduct</i>	-0.51	
			<i>For Double Coil (Helix), Add</i>	4.41	
32 31	13 13-0704	LF	30" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	7.80	0.32
			<i>For &gt;500 To 1,500, Deduct</i>	-0.61	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-1.23	
			<i>For &gt;5,000, Deduct</i>	-1.68	
			<i>For Ground Installation, Deduct</i>	-0.29	
			<i>For Double Coil (Helix), Add</i>	7.23	
32 31	13 13-0705	LF	30" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	11.80	0.32
			<i>For &gt;500 To 1,500, Deduct</i>	-0.93	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-1.86	
			<i>For &gt;5,000, Deduct</i>	-2.53	
			<i>For Ground Installation, Deduct</i>	-0.43	
			<i>For Double Coil (Helix), Add</i>	10.94	
32 31	13 13-0706	LF	30" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	15.59	0.32
			<i>For &gt;500 To 1,500, Deduct</i>	-1.23	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-2.45	
			<i>For &gt;5,000, Deduct</i>	-3.35	
			<i>For Ground Installation, Deduct</i>	-0.58	
			<i>For Double Coil (Helix), Add</i>	14.44	
32 31	13 13-0707		<b>Stainless Steel Concertina (Razor) Wire, Single Coil</b> <small>(32 31 13 13-0690)</small>		
32 31	13 13-0708	LF	18" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	2.86	0.32
			<i>For &gt;500 To 1,500, Deduct</i>	-0.24	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-0.48	
			<i>For &gt;5,000, Deduct</i>	-0.66	
			<i>For Ground Installation, Deduct</i>	-0.23	
			<i>For Double Coil (Helix), Add</i>	2.40	
32 31	13 13-0709	LF	18" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	4.31	0.32
			<i>For &gt;500 To 1,500, Deduct</i>	-0.36	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-0.72	
			<i>For &gt;5,000, Deduct</i>	-1.00	
			<i>For Ground Installation, Deduct</i>	-0.35	
			<i>For Double Coil (Helix), Add</i>	3.62	



<b>Exterior Improvements</b>	<b>32</b>
Site Improvements	32 30
Fences And Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0710 LF 18" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	5.71	0.32
For >500 To 1,500, Deduct	-0.47	
For >1,500 To 5,000, Deduct	-0.95	
For >5,000, Deduct	-1.33	
For Ground Installation, Deduct	-0.46	
For Double Coil (Helix), Add	4.79	
32 31 13 13-0711 LF 24" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	3.68	0.32
For >500 To 1,500, Deduct	-0.30	
For >1,500 To 5,000, Deduct	-0.60	
For >5,000, Deduct	-0.84	
For Ground Installation, Deduct	-0.26	
For Double Coil (Helix), Add	3.17	
32 31 13 13-0712 LF 24" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	5.56	0.32
For >500 To 1,500, Deduct	-0.46	
For >1,500 To 5,000, Deduct	-0.91	
For >5,000, Deduct	-1.27	
For Ground Installation, Deduct	-0.38	
For Double Coil (Helix), Add	4.80	
32 31 13 13-0713 LF 24" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	7.35	0.32
For >500 To 1,500, Deduct	-0.60	
For >1,500 To 5,000, Deduct	-1.20	
For >5,000, Deduct	-1.67	
For Ground Installation, Deduct	-0.51	
For Double Coil (Helix), Add	6.34	
32 31 13 13-0714 LF 30" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	11.46	0.32
For >500 To 1,500, Deduct	-0.89	
For >1,500 To 5,000, Deduct	-1.78	
For >5,000, Deduct	-2.41	
For Ground Installation, Deduct	-0.29	
For Double Coil (Helix), Add	10.89	
32 31 13 13-0715 LF 30" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	17.35	0.32
For >500 To 1,500, Deduct	-1.34	
For >1,500 To 5,000, Deduct	-2.69	
For >5,000, Deduct	-3.64	
For Ground Installation, Deduct	-0.43	
For Double Coil (Helix), Add	16.49	
32 31 13 13-0716 LF 30" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	22.92	0.32
For >500 To 1,500, Deduct	-1.78	
For >1,500 To 5,000, Deduct	-3.55	
For >5,000, Deduct	-4.81	
For Ground Installation, Deduct	-0.58	
For Double Coil (Helix), Add	21.77	
<b>32 31 13 13-0717 Grounding For Gates</b> <small>(32 31 13 13-0689)</small>		
Note: Includes two of each of the following per opening: 5/8 ground rods, clamps, braided straps and #6 bare copper wire.		
32 31 13 13-0718 OPN Grounding For Gates (Per Opening).....	256.73	
<b>32 31 13 13-0719 Coiled Spring Reinforcing Wire</b> <small>(32 31 13 13-0689)</small>		
<b>32 31 13 13-0720 Galvanized Steel</b> <small>(32 31 13 13-0719)</small>		
32 31 13 13-0721 LF 7 Gauge, Galvanized Steel, Reinforcing Wire Coiled Spring.....	0.59	0.23
<b>32 31 13 13-0722 Vinyl Coated Steel</b> <small>(32 31 13 13-0719)</small>		
32 31 13 13-0723 LF 9 Gauge, Vinyl Coated Steel, Reinforcing Wire Coiled Spring.....	0.59	0.23
<b>32 31 13 13-0724 Bending Of Fabric Around Pipe Railings</b> <small>(32 31 13 13-0689)</small>		
Note: Only where specified.		
32 31 13 13-0725 LF Bend Chain Link Fence Fabric Around Pipe Railing, Top.....	0.69	
32 31 13 13-0726 LF Bend Chain Link Fence Fabric Around Pipe Railing, Bottom.....	0.61	
<b>32 31 13 13-0727 Mounting Plate With Anchors Or Bolts</b> <small>(32 31 13 13-0689)</small>		
Note: For drilling for anchor or bolts, installing post on or against flat surface.		
32 31 13 13-0728 EA Mounting Plate For 1-5/8" Diameter Post.....	23.79	
32 31 13 13-0729 EA Mounting Plate For 2" Diameter Post.....	24.23	
32 31 13 13-0730 EA Mounting Plate For 2-1/2" Diameter Post.....	24.86	
32 31 13 13-0731 EA Mounting Plate For 3" Diameter Post.....	30.27	
32 31 13 13-0732 EA Mounting Plate For 4" Diameter Post.....	35.01	
32 31 13 13-0733 EA Mounting Plate For 6-5/8" Diameter Post.....	40.84	
32 31 13 13-0734 EA Mounting Plate For 8-5/8" Diameter Post.....	48.40	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences And Gates**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 31 13 13-0735		Tension Bar <small>(32 31 13 13-0689)</small>			
32 31 13 13-0736	EA	3' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar	.....	8.06	
32 31 13 13-0737	EA	3-1/2' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar	.....	8.59	
32 31 13 13-0738	EA	4' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	.....	10.81	
32 31 13 13-0739	EA	5' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	.....	12.62	
32 31 13 13-0740	EA	6' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	.....	15.04	
32 31 13 13-0741	EA	7' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	.....	17.57	
32 31 13 13-0742	EA	8' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	.....	19.91	
32 31 13 13-0743	EA	9' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	.....	24.07	
32 31 13 13-0744	EA	10' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	.....	28.85	

**32 31 13 13-0745 Fence And Gate Repair And Replacement (32 31 13 13)****32 31 13 13-0746 Fence And Gate Parts Replacement (32 31 13 13-0746)**

32 31 13 13-0747	EA	Cantilever Roller Assembly, Ball Bearing With Fittings, Replacement	.....	71.79	
32 31 13 13-0748	EA	Sliding Gate Roller Assembly Replacement	.....	67.89	
32 31 13 13-0749	EA	Rod And Lock Gate Keeper Replacement	.....	72.96	
32 31 13 13-0750	EA	Galvanized Gate Holdback Replacement	.....	14.17	
32 31 13 13-0751	LF	3/8" Cross Bracing Rod Replacement	.....	0.90	
32 31 13 13-0752	LF	1-5/8" Diagonal Pipe Bracing Replacement	.....	1.45	
32 31 13 13-0753	EA	2-3/8" Diameter Cast Steel Gate Hinge With Bolts, Replacement	.....	18.52	
32 31 13 13-0754	EA	3" Diameter Cast Steel Gate Hinge With Bolts, Replacement	.....	19.55	
32 31 13 13-0755	EA	4" Diameter Cast Steel Gate Hinge With Bolts, Replacement	.....	21.18	
32 31 13 13-0756	EA	6-5/8" Diameter Cast Steel Gate Hinge With Bolts, Replacement	.....	50.53	
32 31 13 13-0757	EA	8-5/8" Diameter Cast Steel Gate Hinge With Bolts, Replacement	.....	62.70	
32 31 13 13-0758	EA	2-1/2" x 2" Off Set Gate Hinge Replacement	.....	14.21	
32 31 13 13-0759	EA	3" x 2" Off Set Gate Hinge Replacement	.....	14.79	
32 31 13 13-0760	EA	4" x 2" Off Set Gate Hinge Replacement	.....	15.74	
32 31 13 13-0761	EA	6-5/8" x 2" Off Set Gate Hinge Replacement	.....	27.51	
32 31 13 13-0762	EA	8-5/8" x 2" Off Set Gate Hinge Replacement	.....	45.09	
32 31 13 13-0763	EA	1-5/8" Aluminum Die-Cast Post Cap Replacement	.....	2.67	
32 31 13 13-0764	EA	2" Aluminum Die-Cast Post Cap Replacement	.....	2.92	
32 31 13 13-0765	EA	2-1/2" Aluminum Die-Cast Post Cap Replacement	.....	3.45	
32 31 13 13-0766	EA	3" Aluminum Die-Cast Post Cap Replacement	.....	4.05	
32 31 13 13-0767	EA	2" Galvanized Post Cap Replacement	.....	3.13	
32 31 13 13-0768	EA	2-1/2" Galvanized Post Cap Replacement	.....	3.37	
32 31 13 13-0769	EA	3" Galvanized Post Cap Replacement	.....	3.90	
32 31 13 13-0770	EA	4" Galvanized Post Cap Replacement	.....	6.27	
32 31 13 13-0771	EA	6-5/8" Galvanized Post Cap Replacement	.....	13.07	
32 31 13 13-0772	EA	8-5/8" Galvanized Post Cap Replacement	.....	22.04	
32 31 13 13-0773	EA	1-5/8" Boulevard Clamp Replacement	.....	5.05	
32 31 13 13-0774	EA	2" Boulevard Clamp Replacement	.....	6.18	
32 31 13 13-0775	EA	2-1/2" Boulevard Clamp Replacement	.....	7.26	
32 31 13 13-0776	EA	3" Boulevard Clamp Replacement	.....	8.80	
32 31 13 13-0777	EA	1-5/8" Gate Brace Or End Rail Clamp Replacement	.....	4.91	
32 31 13 13-0778	EA	2" Gate Brace Or End Rail Clamp Replacement	.....	5.99	
32 31 13 13-0779	EA	2-1/2" Gate Brace Or End Rail Clamp Replacement	.....	7.07	
32 31 13 13-0780	EA	3" Gate Brace Or End Rail Clamp Replacement	.....	8.60	
32 31 13 13-0781	EA	1-3/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement	.....	5.20	
32 31 13 13-0782	EA	1-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement	.....	5.26	
32 31 13 13-0783	EA	2" Heavy Duty Galvanized Tension Band With Bolt, Replacement	.....	5.42	
32 31 13 13-0784	EA	2-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement	.....	5.35	
32 31 13 13-0785	EA	3" Heavy Duty Galvanized Tension Band With Bolt, Replacement	.....	5.47	
32 31 13 13-0786	EA	3-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement	.....	5.57	
32 31 13 13-0787	EA	4" Heavy Duty Galvanized Tension Band With Bolt, Replacement	.....	5.86	
32 31 13 13-0788	EA	6-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement	.....	8.00	

**32 31 13 13-0789 Remove And Reinstall Chain Link Fences (32 31 13 13)**

Note: Includes removal, storage, cleaning and reinstallation of fence fabric, rails and other components. Excludes post work.

32 31 13 13-0790	LF	Removal And Reinstallation Of Chain Link Fence Up To 5' Height	.....	9.20	
32 31 13 13-0791	LF	Removal And Reinstallation Of Chain Link Fence 6' To 12' Height	.....	13.79	

**32 31 13 33 Chain Link Backstops (32 31 13)****32 31 13 33-0001 Regulation Baseball Backstop (32 31 13 33)**

See CSI section 32 31 13 13-0001 for auguring holes and concrete.

32 31 13 33-0002	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Galvanized	.....	7,351.44	884.30
32 31 13 33-0003	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Galvanized	.....	10,708.14	1,179.07
32 31 13 33-0004	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Galvanized	.....	13,783.52	1,375.58
32 31 13 33-0005	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Vinyl Coated	.....	10,702.44	884.30
32 31 13 33-0006	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Vinyl Coated	.....	15,722.31	1,179.07
32 31 13 33-0007	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Vinyl Coated	.....	20,400.49	1,375.58

**32 31 13 33-0008 Regulation Softball Backstop (32 31 13 33)**

See CSI section 32 31 13 13-0001 for auguring holes and concrete.



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 33-0009			<b>14' High Softball Backstop</b> (32 31 13 33-0008) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0010	EA		14' Softball Backstop, Galvanized Regulation .....	6,115.53	949.42
32 31 13 33-0011	EA		14' Softball Backstop, Vinyl Coated Regulation .....	8,518.93	949.42
32 31 13 33-0012			<b>18' High Softball Backstop</b> (32 31 13 33-0008) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0013	EA		18' Softball Backstop, Galvanized Regulation .....	7,191.12	1,055.50
32 31 13 33-0014	EA		18' Softball Backstop Vinyl Coated Regulation .....	10,098.45	1,055.50
32 31 13 33-0015			<b>20' High Softball Backstop</b> (32 31 13 33-0008) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0016	EA		20' Softball Backstop, Galvanized Regulation .....	8,223.12	1,112.88
32 31 13 33-0017	EA		20' Softball Backstop, Vinyl Coated Regulation .....	11,673.19	1,112.88
32 31 13 33-0018			<b>22' High Softball Backstop</b> (32 31 13 33-0008) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0019	EA		22' Softball Backstop, Galvanized Regulation .....	9,559.92	1,146.46
32 31 13 33-0020	EA		22' Softball Backstop, Vinyl Coated Regulation .....	13,707.72	1,146.46
32 31 13 33-0021			<b>24' High Softball Backstop</b> (32 31 13 33-0008) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0022	EA		24' Softball Backstop, Galvanized Regulation .....	11,488.96	1,310.23
32 31 13 33-0023	EA		24' Softball Backstop, Vinyl Coated Regulation .....	16,644.63	1,310.23
<b>32 31 16</b>			<b>Welded Wire Fences And Gates</b> (32 31)		
32 31 16 00-0001			<b>Welded Wire Fence</b> (32 31 16)		
32 31 16 00-0002			<b>12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh</b> (32 31 16 00-0001) Note: Posts 5' on center.		
32 31 16 00-0003	LF		3' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5' .....	4.66	0.78
32 31 16 00-0004	LF		5' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5' .....	5.15	0.78
32 31 16 00-0005			<b>14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh</b> (32 31 16 00-0001) Note: Posts 5' on center.		
32 31 16 00-0006	LF		3' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5' .....	4.56	0.78
32 31 16 00-0007	LF		5' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5' .....	5.00	0.78
<b>32 31 19</b>			<b>Decorative Metal Fences And Gates</b> (32 31)		
			See CSI section 32 31 13 13-0001 for drilling and grouting.		
32 31 19 00-0001			<b>Wrought Iron Fence</b> (32 31 19) Note: Factory primed.		
32 31 19 00-0002			<b>Wrought Iron Fence, Verticals At &gt;2-1/2" To 3" On Center</b> (32 31 19 00-0001) Note: Factory primed.		
32 31 19 00-0003	LF		3' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center .....	30.95	5.06
			For Verticals Up To 2" On Center, Add	4.17	
			For Verticals >2" To 2-1/2" On Center, Add	2.08	
			For Verticals >3" To 4" On Center, Deduct	-2.08	
			For Verticals >4" To 6" On Center, Deduct	-4.17	
32 31 19 00-0004	LF		4' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center .....	40.04	6.43
			For Verticals Up To 2" On Center, Add	5.52	
			For Verticals >2" To 2-1/2" On Center, Add	2.76	
			For Verticals >3" To 4" On Center, Deduct	-2.76	
			For Verticals >4" To 6" On Center, Deduct	-5.52	
32 31 19 00-0005	LF		5' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center .....	48.34	6.72
			For Verticals Up To 2" On Center, Add	6.96	
			For Verticals >2" To 2-1/2" On Center, Add	3.48	
			For Verticals >3" To 4" On Center, Deduct	-3.48	
			For Verticals >4" To 6" On Center, Deduct	-6.96	
32 31 19 00-0006	LF		6' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center .....	58.60	8.09
			For Verticals Up To 2" On Center, Add	8.48	
			For Verticals >2" To 2-1/2" On Center, Add	4.24	
			For Verticals >3" To 4" On Center, Deduct	-4.24	
			For Verticals >4" To 6" On Center, Deduct	-8.48	
32 31 19 00-0007	LF		7' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center .....	69.81	8.57
			For Verticals Up To 2" On Center, Add	10.54	
			For Verticals >2" To 2-1/2" On Center, Add	5.27	
			For Verticals >3" To 4" On Center, Deduct	-5.27	
			For Verticals >4" To 6" On Center, Deduct	-10.54	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0008 LF 8' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center .....	81.00	9.02
For Verticals Up To 2" On Center, Add	12.59	
For Verticals >2" To 2-1/2" On Center, Add	6.30	
For Verticals >3" To 4" On Center, Deduct	-6.30	
For Verticals >4" To 6" On Center, Deduct	-12.59	
32 31 19 00-0009 LF 10' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center .....	99.56	10.12
For Verticals Up To 2" On Center, Add	15.86	
For Verticals >2" To 2-1/2" On Center, Add	7.93	
For Verticals >3" To 4" On Center, Deduct	-7.93	
For Verticals >4" To 6" On Center, Deduct	-15.86	
32 31 19 00-0010 LF 12' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center .....	118.24	11.49
For Verticals Up To 2" On Center, Add	19.05	
For Verticals >2" To 2-1/2" On Center, Add	9.52	
For Verticals >3" To 4" On Center, Deduct	-9.52	
For Verticals >4" To 6" On Center, Deduct	-19.05	
<b>32 31 19 00-0011 Wrought Iron Gates (32 31 19 00-0001)</b>		
Note: Factory primed.		
<b>32 31 19 00-0012 Single Wrought Iron Gates (32 31 19 00-0011)</b>		
Note: Factory primed.		
32 31 19 00-0013 LF 3' Single Wrought Iron Gate, Hardware And Associated Trim .....	38.42	6.16
32 31 19 00-0014 LF 4' Single Wrought Iron Gate, Hardware And Associated Trim .....	50.46	7.63
32 31 19 00-0015 LF 5' Single Wrought Iron Gate, Hardware And Associated Trim .....	62.07	9.20
32 31 19 00-0016 LF 6' Single Wrought Iron Gate, Hardware And Associated Trim .....	75.60	11.04
32 31 19 00-0017 LF 8' Single Wrought Iron Gate, Hardware And Associated Trim .....	104.25	12.23
32 31 19 00-0018 LF 10' Single Wrought Iron Gate, Hardware And Associated Trim .....	127.67	13.52
32 31 19 00-0019 LF 12' Single Wrought Iron Gate, Hardware And Associated Trim .....	150.62	15.36
<b>32 31 19 00-0020 Double Wrought Iron Gates (32 31 19 00-0011)</b>		
Note: Factory primed.		
32 31 19 00-0021 LF 3' Double Wrought Iron Gate, Hardware And Associated Trim .....	47.23	5.52
32 31 19 00-0022 LF 4' Double Wrought Iron Gate, Hardware And Associated Trim .....	62.24	6.90
32 31 19 00-0023 LF 5' Double Wrought Iron Gate, Hardware And Associated Trim .....	76.30	8.28
32 31 19 00-0024 LF 6' Double Wrought Iron Gate, Hardware And Associated Trim .....	92.74	9.93
32 31 19 00-0025 LF 8' Double Wrought Iron Gate, Hardware And Associated Trim .....	128.39	11.04
32 31 19 00-0026 LF 10' Double Wrought Iron Gate, Hardware And Associated Trim .....	157.47	12.14
32 31 19 00-0027 LF 12' Double Wrought Iron Gate, Hardware And Associated Trim .....	186.02	13.79
<b>32 31 19 00-0028 Repair Or Replace Wrought Iron Fence (32 31 19 00-0001)</b>		
32 31 19 00-0029 LF Replace Wrought Iron Picket .....	10.08	
32 31 19 00-0030 LF Replace Wrought Iron Post .....	15.57	
32 31 19 00-0031 EA Straighten Wrought Iron Post .....	36.79	
<b>32 31 19 00-0032 Steel Tube Fence, Powder Coated (32 31 19)</b>		
Note: Pickets are 3/4" square x 16 gauge.		
<b>32 31 19 00-0033 Steel Tube Fence, 2 Rail (32 31 19 00-0032)</b>		
32 31 19 00-0034 LF 3' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts .....	48.67	5.06
For Verticals Up To 2" On Center, Add	7.75	
For Verticals >2" To 2-1/2" On Center, Add	3.88	
For Verticals >3" To 4" On Center, Deduct	-3.88	
For Verticals >4" To 6" On Center, Deduct	-7.75	
For Solid Pickets, Add	10.21	
For Aluminum With Satin Finish, Add	10.14	
For Third Rail, Add	2.91	
For 1" Square x 14 Gauge Pickets, Add	9.69	
For 3" Square Posts, Add	3.88	
32 31 19 00-0035 LF 3-6" Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts .....	51.93	5.40
For Verticals Up To 2" On Center, Add	8.22	
For Verticals >2" To 2-1/2" On Center, Add	4.11	
For Verticals >3" To 4" On Center, Deduct	-4.11	
For Verticals >4" To 6" On Center, Deduct	-8.22	
For Solid Pickets, Add	10.87	
For Aluminum With Satin Finish, Add	10.71	
For Third Rail, Add	3.08	
For 1" Square x 14 Gauge Pickets, Add	10.28	
For 3" Square Posts, Add	4.11	
32 31 19 00-0036 LF 4' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts .....	54.76	5.98
For Verticals Up To 2" On Center, Add	8.61	
For Verticals >2" To 2-1/2" On Center, Add	4.30	
For Verticals >3" To 4" On Center, Deduct	-4.30	
For Verticals >4" To 6" On Center, Deduct	-8.61	
For Solid Pickets, Add	11.44	
For Aluminum With Satin Finish, Add	11.15	
For Third Rail, Add	3.23	
For 1" Square x 14 Gauge Pickets, Add	10.76	
For 3" Square Posts, Add	4.30	



		<b>Exterior Improvements</b>	<b>32</b>
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0037 LF 5' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts .....	57.64	6.72
For Verticals Up To 2" On Center, Add	8.82	
For Verticals >2" To 2-1/2" On Center, Add	4.41	
For Verticals >3" To 4" On Center, Deduct	-4.41	
For Verticals >4" To 6" On Center, Deduct	-8.82	
For Solid Pickets, Add	11.96	
For Aluminum With Satin Finish, Add	11.21	
For Third Rail, Add	3.31	
For 1" Square x 14 Gauge Pickets, Add	11.03	
For 3" Square Posts, Add	4.41	
32 31 19 00-0038 LF 6' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts .....	67.18	7.58
For Verticals Up To 2" On Center, Add	10.40	
For Verticals >2" To 2-1/2" On Center, Add	5.20	
For Verticals >3" To 4" On Center, Deduct	-5.20	
For Verticals >4" To 6" On Center, Deduct	-10.40	
For Solid Pickets, Add	13.98	
For Aluminum With Satin Finish, Add	13.32	
For Third Rail, Add	3.90	
For 1" Square x 14 Gauge Pickets, Add	13.00	
For 3" Square Posts, Add	5.20	
32 31 19 00-0039 LF 7' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	77.47	8.28
For Verticals Up To 2" On Center, Add	12.18	
For Verticals >2" To 2-1/2" On Center, Add	6.09	
For Verticals >3" To 4" On Center, Deduct	-6.09	
For Verticals >4" To 6" On Center, Deduct	-12.18	
For Solid Pickets, Add	16.19	
For Aluminum With Satin Finish, Add	15.79	
For Third Rail, Add	4.57	
For 1" Square x 14 Gauge Pickets, Add	15.23	
For 4" Square Posts, Add	21.32	
32 31 19 00-0040 LF 8' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	87.87	9.02
For Verticals Up To 2" On Center, Add	13.97	
For Verticals >2" To 2-1/2" On Center, Add	6.98	
For Verticals >3" To 4" On Center, Deduct	-6.98	
For Verticals >4" To 6" On Center, Deduct	-13.97	
For Solid Pickets, Add	18.42	
For Aluminum With Satin Finish, Add	18.25	
For Third Rail, Add	5.24	
For 1" Square x 14 Gauge Pickets, Add	17.46	
For 4" Square Posts, Add	24.44	
32 31 19 00-0041 LF 9' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	103.29	9.66
For Verticals Up To 2" On Center, Add	16.80	
For Verticals >2" To 2-1/2" On Center, Add	8.40	
For Verticals >3" To 4" On Center, Deduct	-8.40	
For Verticals >4" To 6" On Center, Deduct	-16.80	
For Solid Pickets, Add	21.79	
For Aluminum With Satin Finish, Add	22.30	
For Third Rail, Add	6.30	
For 1" Square x 14 Gauge Pickets, Add	21.00	
For 4" Square Posts, Add	29.39	
32 31 19 00-0042 LF 10' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	118.82	10.35
For Verticals Up To 2" On Center, Add	19.62	
For Verticals >2" To 2-1/2" On Center, Add	9.81	
For Verticals >3" To 4" On Center, Deduct	-9.81	
For Verticals >4" To 6" On Center, Deduct	-19.62	
For Solid Pickets, Add	25.18	
For Aluminum With Satin Finish, Add	26.33	
For Third Rail, Add	7.36	
For 1" Square x 14 Gauge Pickets, Add	24.53	
For 6" Square Posts, Add	34.34	
32 31 19 00-0043 LF 12' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	140.91	11.49
For Verticals Up To 2" On Center, Add	23.58	
For Verticals >2" To 2-1/2" On Center, Add	11.79	
For Verticals >3" To 4" On Center, Deduct	-11.79	
For Verticals >4" To 6" On Center, Deduct	-23.58	
For Solid Pickets, Add	29.98	
For Aluminum With Satin Finish, Add	31.92	
For Third Rail, Add	8.84	
For 1" Square x 14 Gauge Pickets, Add	29.48	
For 6" Square Posts, Add	41.27	
32 31 19 00-0044 LF 14' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	150.80	12.42
For Verticals Up To 2" On Center, Add	25.19	
For Verticals >2" To 2-1/2" On Center, Add	12.60	
For Verticals >3" To 4" On Center, Deduct	-12.60	
For Verticals >4" To 6" On Center, Deduct	-25.19	
For Solid Pickets, Add	32.07	
For Aluminum With Satin Finish, Add	34.06	
For Third Rail, Add	9.45	
For 1" Square x 14 Gauge Pickets, Add	31.49	
For 6" Square Posts, Add	44.09	

32 31 19 00-0045 Steel Tube Swing Gates (32 31 19 00-0032)

32 31 19 00-0046 3' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0047	EA	3' Wide x 3' High Steel Tube Single Swing Gate.....	495.62	9.80
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	109.31	
			For Aluminum With Satin Finish, Add	135.44	
			For Third Rail, Add	34.96	
			For 1" Square x 14 Gauge Pickets, Add	46.62	
32 31	19 00-0048	EA	3'-6" Wide x 3' High Steel Tube Single Swing Gate .....	552.60	10.26
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	122.02	
			For Aluminum With Satin Finish, Add	151.91	
			For Third Rail, Add	39.13	
			For 1" Square x 14 Gauge Pickets, Add	52.18	
32 31	19 00-0049	EA	4' Wide x 3' High Steel Tube Single Swing Gate.....	612.56	10.85
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	135.38	
			For Aluminum With Satin Finish, Add	169.07	
			For Third Rail, Add	43.49	
			For 1" Square x 14 Gauge Pickets, Add	57.99	
32 31	19 00-0050	EA	5' Wide x 3' High Steel Tube Single Swing Gate.....	643.92	11.64
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	142.26	
			For Aluminum With Satin Finish, Add	177.44	
			For Third Rail, Add	45.67	
			For 1" Square x 14 Gauge Pickets, Add	60.90	
32 31	19 00-0051	EA	6' Wide x 3' High Steel Tube Single Swing Gate.....	717.77	13.93
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	158.36	
			For Aluminum With Satin Finish, Add	196.50	
			For Third Rail, Add	50.69	
			For 1" Square x 14 Gauge Pickets, Add	67.59	
32 31	19 00-0052	EA	7' Wide x 3' High Steel Tube Single Swing Gate.....	761.31	16.23
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	167.64	
			For Aluminum With Satin Finish, Add	206.46	
			For Third Rail, Add	53.44	
			For 1" Square x 14 Gauge Pickets, Add	71.26	
32 31	19 00-0053	EA	8' Wide x 3' High Steel Tube Single Swing Gate.....	829.31	18.67
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	182.39	
			For Aluminum With Satin Finish, Add	223.54	
			For Third Rail, Add	57.99	
			For 1" Square x 14 Gauge Pickets, Add	77.32	
32 31	19 00-0054	EA	9' Wide x 3' High Steel Tube Single Swing Gate.....	888.01	20.97
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	195.08	
			For Aluminum With Satin Finish, Add	238.05	
			For Third Rail, Add	61.88	
			For 1" Square x 14 Gauge Pickets, Add	82.50	
32 31	19 00-0055	EA	10' Wide x 3' High Steel Tube Single Swing Gate.....	939.13	23.27
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	206.06	
			For Aluminum With Satin Finish, Add	250.28	
			For Third Rail, Add	65.19	
			For 1" Square x 14 Gauge Pickets, Add	86.92	
32 31	19 00-0056	EA	6' Wide x 3' High Steel Tube Double Swing Gate .....	1,037.88	19.59
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	229.11	
			For Aluminum With Satin Finish, Add	284.87	
			For Third Rail, Add	73.43	
			For 1" Square x 14 Gauge Pickets, Add	97.90	
32 31	19 00-0057	EA	7' Wide x 3' High Steel Tube Double Swing Gate .....	1,106.46	20.51
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	244.33	
			For Aluminum With Satin Finish, Add	304.20	
			For Third Rail, Add	78.36	
			For 1" Square x 14 Gauge Pickets, Add	104.48	
32 31	19 00-0058	EA	8' Wide x 3' High Steel Tube Double Swing Gate .....	1,225.11	21.76
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	270.75	
			For Aluminum With Satin Finish, Add	338.14	
			For Third Rail, Add	86.99	
			For 1" Square x 14 Gauge Pickets, Add	115.98	
32 31	19 00-0059	EA	9' Wide x 3' High Steel Tube Double Swing Gate .....	1,284.26	22.54
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	283.89	
			For Aluminum With Satin Finish, Add	354.85	
			For Third Rail, Add	91.25	
			For 1" Square x 14 Gauge Pickets, Add	121.67	
32 31	19 00-0060	EA	10' Wide x 3' High Steel Tube Double Swing Gate .....	1,332.05	23.27
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	294.47	
			For Aluminum With Satin Finish, Add	368.16	
			For Third Rail, Add	94.66	
			For 1" Square x 14 Gauge Pickets, Add	126.21	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0061	EA	12' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,496.18 330.36 411.19 105.94 141.25	27.87
32 31	19 00-0062	EA	14' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,636.33 360.86 447.02 115.41 153.88	32.47
32 31	19 00-0063	EA	16' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,752.11 385.81 475.13 122.99 163.99	37.40
32 31	19 00-0064	EA	18' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,848.03 406.36 497.70 129.15 172.20	41.95
32 31	19 00-0065	EA	20' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,925.00 422.64 514.58 133.89 178.52	46.54
<b>32 31 19 00-0066 4' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)</b>					
32 31	19 00-0067	EA	3' Wide x 4' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	574.30 126.89 158.32 40.74 54.33	9.20
32 31	19 00-0068	EA	3'-6" Wide x 4' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	622.20 137.58 172.17 44.25 59.00	10.71
32 31	19 00-0069	EA	4' Wide x 4' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	671.24 148.44 185.85 47.76 63.68	11.49
32 31	19 00-0070	EA	5' Wide x 4' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	711.45 157.32 196.88 50.60 67.47	12.23
32 31	19 00-0071	EA	6' Wide x 4' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	764.29 168.65 209.42 54.01 72.01	14.72
32 31	19 00-0072	EA	7' Wide x 4' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	837.34 184.54 228.02 58.94 78.58	17.16
32 31	19 00-0073	EA	8' Wide x 4' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	939.46 206.96 255.35 66.04 88.06	19.59
32 31	19 00-0074	EA	9' Wide x 4' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,039.05 228.82 281.91 72.96 97.28	22.08



**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0075	EA		10' Wide x 4' High Steel Tube Single Swing Gate.....	1,133.57	24.52
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	249.53	
			<i>For Aluminum With Satin Finish, Add</i>	306.96	
			<i>For Third Rail, Add</i>	79.50	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	106.00	
32 31 19 00-0076	EA		6' Wide x 4' High Steel Tube Double Swing Gate.....	1,148.61	20.70
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	253.78	
			<i>For Aluminum With Satin Finish, Add</i>	316.64	
			<i>For Third Rail, Add</i>	81.49	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	108.65	
32 31 19 00-0077	EA		7' Wide x 4' High Steel Tube Double Swing Gate.....	1,244.41	21.43
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	275.16	
			<i>For Aluminum With Satin Finish, Add</i>	344.35	
			<i>For Third Rail, Add</i>	88.50	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	118.00	
32 31 19 00-0078	EA		8' Wide x 4' High Steel Tube Double Swing Gate.....	1,342.50	23.00
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	296.89	
			<i>For Aluminum With Satin Finish, Add</i>	371.70	
			<i>For Third Rail, Add</i>	95.51	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	127.35	
32 31 19 00-0079	EA		9' Wide x 4' High Steel Tube Double Swing Gate.....	1,420.60	23.73
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	314.29	
			<i>For Aluminum With Satin Finish, Add</i>	394.10	
			<i>For Third Rail, Add</i>	101.20	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	134.93	
32 31 19 00-0080	EA		10' Wide x 4' High Steel Tube Double Swing Gate.....	1,486.06	24.52
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	328.85	
			<i>For Aluminum With Satin Finish, Add</i>	412.71	
			<i>For Third Rail, Add</i>	105.94	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	141.25	
32 31 19 00-0081	EA		12' Wide x 4' High Steel Tube Double Swing Gate.....	1,683.97	29.39
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	372.27	
			<i>For Aluminum With Satin Finish, Add</i>	465.46	
			<i>For Third Rail, Add</i>	119.68	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	159.57	
32 31 19 00-0082	EA		14' Wide x 4' High Steel Tube Double Swing Gate.....	1,856.62	34.31
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	410.01	
			<i>For Aluminum With Satin Finish, Add</i>	510.63	
			<i>For Third Rail, Add</i>	131.52	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	175.36	
32 31 19 00-0083	EA		16' Wide x 4' High Steel Tube Double Swing Gate.....	2,005.25	39.19
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	442.35	
			<i>For Aluminum With Satin Finish, Add</i>	548.60	
			<i>For Third Rail, Add</i>	141.56	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	188.75	
32 31 19 00-0084	EA		18' Wide x 4' High Steel Tube Double Swing Gate.....	2,132.42	44.10
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	469.86	
			<i>For Aluminum With Satin Finish, Add</i>	580.12	
			<i>For Third Rail, Add</i>	150.00	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	200.00	
32 31 19 00-0085	EA		20' Wide x 4' High Steel Tube Double Swing Gate.....	2,239.37	49.03
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	492.82	
			<i>For Aluminum With Satin Finish, Add</i>	605.58	
			<i>For Third Rail, Add</i>	156.91	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	209.22	
32 31 19 00-0086			<b>5' Fence Height Steel Tube Swing Gates, 2 Rail</b> <small>(32 31 19 00-0045)</small>		
32 31 19 00-0087	EA		3' Wide x 5' High Steel Tube Single Swing Gate.....	625.99	10.71
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	138.43	
			<i>For Aluminum With Satin Finish, Add</i>	173.31	
			<i>For Third Rail, Add</i>	44.54	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	59.38	
32 31 19 00-0088	EA		3'-6" Wide x 5' High Steel Tube Single Swing Gate.....	659.87	11.49
			Note: Includes mounting hardware and associated trim.		
			<i>For Solid Pickets, Add</i>	145.88	
			<i>For Aluminum With Satin Finish, Add</i>	182.44	
			<i>For Third Rail, Add</i>	46.90	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	62.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0089 EA 4' Wide x 5' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	692.49  153.05 191.19 49.18 65.57	12.23
32 31 19 00-0090 EA 5' Wide x 5' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	740.28  163.63 204.49 52.59 70.12	13.01
32 31 19 00-0091 EA 6' Wide x 5' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	802.42  177.03 219.62 56.66 75.55	15.64
32 31 19 00-0092 EA 7' Wide x 5' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	886.05  195.26 241.19 62.35 83.13	18.21
32 31 19 00-0093 EA 8' Wide x 5' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,004.24  221.23 272.92 70.59 94.12	20.97
32 31 19 00-0094 EA 9' Wide x 5' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,119.44  246.56 303.96 78.65 104.86	23.59
32 31 19 00-0095 EA 10' Wide x 5' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,232.12  271.33 334.25 86.51 115.35	26.17
32 31 19 00-0096 EA 6' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,239.20  274.95 348.54 89.07 118.76	18.07
32 31 19 00-0097 EA 7' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,309.71  290.17 365.82 93.71 124.95	21.07
32 31 19 00-0098 EA 8' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,380.72  305.46 383.03 98.36 131.14	24.24
32 31 19 00-0099 EA 9' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,480.28  327.22 409.02 105.18 140.24	27.28
32 31 19 00-0100 EA 10' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,567.21  346.13 431.23 111.05 148.07	30.26
32 31 19 00-0101 EA 12' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,785.29  394.48 492.33 126.69 168.92	33.66
32 31 19 00-0102 EA 14' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,980.37  437.58 546.07 140.52 187.36	37.35

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0103	EA	16' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,153.73	41.44
			<i>For Solid Pickets, Add</i>	475.71	
			<i>For Aluminum With Satin Finish, Add</i>	592.84	
			<i>For Third Rail, Add</i>	152.65	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	203.53	
32 31	19 00-0104	EA	18' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,308.38	46.03
			<i>For Solid Pickets, Add</i>	509.52	
			<i>For Aluminum With Satin Finish, Add</i>	633.32	
			<i>For Third Rail, Add</i>	163.26	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	217.68	
32 31	19 00-0105	EA	20' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,444.33	51.19
			<i>For Solid Pickets, Add</i>	539.01	
			<i>For Aluminum With Satin Finish, Add</i>	667.50	
			<i>For Third Rail, Add</i>	172.36	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	229.81	
32 31	19 00-0106		<b>6' Fence Height Steel Tube Swing Gates, 2 Rail</b> <small>(32 31 19 00-0045)</small>		
32 31	19 00-0107	EA	3' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	650.70	11.78
			<i>For Solid Pickets, Add</i>	143.75	
			<i>For Aluminum With Satin Finish, Add</i>	179.27	
			<i>For Third Rail, Add</i>	46.15	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	61.53	
32 31	19 00-0108	EA	3'-6" Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	684.11	12.42
			<i>For Solid Pickets, Add</i>	151.13	
			<i>For Aluminum With Satin Finish, Add</i>	188.47	
			<i>For Third Rail, Add</i>	48.51	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	64.69	
32 31	19 00-0109	EA	4' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	717.87	13.11
			<i>For Solid Pickets, Add</i>	158.56	
			<i>For Aluminum With Satin Finish, Add</i>	197.62	
			<i>For Third Rail, Add</i>	50.88	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	67.85	
32 31	19 00-0110	EA	5' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	759.46	13.93
			<i>For Solid Pickets, Add</i>	167.74	
			<i>For Aluminum With Satin Finish, Add</i>	209.01	
			<i>For Third Rail, Add</i>	53.82	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	71.76	
32 31	19 00-0111	EA	6' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	850.33	16.84
			<i>For Solid Pickets, Add</i>	187.53	
			<i>For Aluminum With Satin Finish, Add</i>	232.33	
			<i>For Third Rail, Add</i>	59.98	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	79.97	
32 31	19 00-0112	EA	7' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	947.50	19.78
			<i>For Solid Pickets, Add</i>	208.74	
			<i>For Aluminum With Satin Finish, Add</i>	257.55	
			<i>For Third Rail, Add</i>	66.61	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	88.82	
32 31	19 00-0113	EA	8' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,056.84	22.54
			<i>For Solid Pickets, Add</i>	232.72	
			<i>For Aluminum With Satin Finish, Add</i>	286.63	
			<i>For Third Rail, Add</i>	74.19	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	98.92	
32 31	19 00-0114	EA	9' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,161.61	25.43
			<i>For Solid Pickets, Add</i>	255.64	
			<i>For Aluminum With Satin Finish, Add</i>	314.13	
			<i>For Third Rail, Add</i>	81.39	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	108.53	
32 31	19 00-0115	EA	10' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,290.36	28.33
			<i>For Solid Pickets, Add</i>	283.95	
			<i>For Aluminum With Satin Finish, Add</i>	348.82	
			<i>For Third Rail, Add</i>	90.40	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	120.53	
32 31	19 00-0116	EA	6' Wide x 6' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,286.20	19.50
			<i>For Solid Pickets, Add</i>	285.22	
			<i>For Aluminum With Satin Finish, Add</i>	360.82	
			<i>For Third Rail, Add</i>	92.29	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	123.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0117 EA 7' Wide x 6' High Steel Tube Double Swing Gate.....	1,358.99	22.86
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	300.88	
<i>For Aluminum With Satin Finish, Add</i>	378.33	
<i>For Third Rail, Add</i>	97.03	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	129.37	
32 31 19 00-0118 EA 8' Wide x 6' High Steel Tube Double Swing Gate.....	1,431.26	26.03
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	316.46	
<i>For Aluminum With Satin Finish, Add</i>	395.91	
<i>For Third Rail, Add</i>	101.77	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	135.69	
32 31 19 00-0119 EA 9' Wide x 6' High Steel Tube Double Swing Gate.....	1,519.21	29.39
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	335.52	
<i>For Aluminum With Satin Finish, Add</i>	417.97	
<i>For Third Rail, Add</i>	107.64	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	143.52	
32 31 19 00-0120 EA 10' Wide x 6' High Steel Tube Double Swing Gate.....	1,660.22	32.75
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	366.53	
<i>For Aluminum With Satin Finish, Add</i>	455.95	
<i>For Third Rail, Add</i>	117.50	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	156.66	
32 31 19 00-0121 EA 12' Wide x 6' High Steel Tube Double Swing Gate.....	1,950.04	36.47
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	430.94	
<i>For Aluminum With Satin Finish, Add</i>	538.12	
<i>For Third Rail, Add</i>	138.44	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	184.58	
32 31 19 00-0122 EA 14' Wide x 6' High Steel Tube Double Swing Gate.....	2,037.99	40.75
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	449.82	
<i>For Aluminum With Satin Finish, Add</i>	559.04	
<i>For Third Rail, Add</i>	144.12	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	192.16	
32 31 19 00-0123 EA 16' Wide x 6' High Steel Tube Double Swing Gate.....	2,236.86	45.35
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	493.58	
<i>For Aluminum With Satin Finish, Add</i>	612.78	
<i>For Third Rail, Add</i>	158.05	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	210.74	
32 31 19 00-0124 EA 18' Wide x 6' High Steel Tube Double Swing Gate.....	2,418.30	50.45
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	533.30	
<i>For Aluminum With Satin Finish, Add</i>	660.61	
<i>For Third Rail, Add</i>	170.56	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	227.41	
32 31 19 00-0125 EA 20' Wide x 6' High Steel Tube Double Swing Gate.....	2,585.34	56.30
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	569.64	
<i>For Aluminum With Satin Finish, Add</i>	703.21	
<i>For Third Rail, Add</i>	181.83	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	242.45	
<b>32 31 19 00-0126 7' Fence Height Steel Tube Swing Gates, 2 Rail</b> <small>(32 31 19 00-0045)</small>		
32 31 19 00-0127 EA 3' Wide x 7' High Steel Tube Single Swing Gate.....	688.96	12.74
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	152.14	
<i>For Aluminum With Satin Finish, Add</i>	189.45	
<i>For Third Rail, Add</i>	48.80	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	65.07	
32 31 19 00-0128 EA 3'-6" Wide x 7' High Steel Tube Single Swing Gate.....	723.83	13.43
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	159.84	
<i>For Aluminum With Satin Finish, Add</i>	199.00	
<i>For Third Rail, Add</i>	51.26	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	68.35	
32 31 19 00-0129 EA 4' Wide x 7' High Steel Tube Single Swing Gate.....	758.81	14.12
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	167.55	
<i>For Aluminum With Satin Finish, Add</i>	208.54	
<i>For Third Rail, Add</i>	53.73	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	71.64	
32 31 19 00-0130 EA 5' Wide x 7' High Steel Tube Single Swing Gate.....	793.81	14.86
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	175.26	
<i>For Aluminum With Satin Finish, Add</i>	218.07	
<i>For Third Rail, Add</i>	56.19	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	74.92	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0131	EA	6' Wide x 7' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	917.17	18.07
			<i>For Solid Pickets, Add</i>	202.29	
			<i>For Aluminum With Satin Finish, Add</i>	250.73	
			<i>For Third Rail, Add</i>	64.72	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	86.29	
32 31	19 00-0132	EA	7' Wide x 7' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	1,029.96	21.15
			<i>For Solid Pickets, Add</i>	226.98	
			<i>For Aluminum With Satin Finish, Add</i>	280.43	
			<i>For Third Rail, Add</i>	72.49	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	96.65	
32 31	19 00-0133	EA	8' Wide x 7' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	1,110.37	24.33
			<i>For Solid Pickets, Add</i>	244.35	
			<i>For Aluminum With Satin Finish, Add</i>	300.21	
			<i>For Third Rail, Add</i>	77.79	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	103.73	
32 31	19 00-0134	EA	9' Wide x 7' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	1,202.97	27.41
			<i>For Solid Pickets, Add</i>	264.49	
			<i>For Aluminum With Satin Finish, Add</i>	323.84	
			<i>For Third Rail, Add</i>	84.05	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	112.06	
32 31	19 00-0135	EA	10' Wide x 7' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim.	1,317.49	30.63
			<i>For Solid Pickets, Add</i>	289.54	
			<i>For Aluminum With Satin Finish, Add</i>	353.85	
			<i>For Third Rail, Add</i>	91.91	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	122.55	
32 31	19 00-0136	EA	6' Wide x 7' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	1,361.00	20.88
			<i>For Solid Pickets, Add</i>	301.75	
			<i>For Aluminum With Satin Finish, Add</i>	381.44	
			<i>For Third Rail, Add</i>	97.60	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	130.13	
32 31	19 00-0137	EA	7' Wide x 7' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	1,436.82	24.42
			<i>For Solid Pickets, Add</i>	318.05	
			<i>For Aluminum With Satin Finish, Add</i>	399.63	
			<i>For Third Rail, Add</i>	102.53	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	136.70	
32 31	19 00-0138	EA	8' Wide x 7' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	1,513.14	28.14
			<i>For Solid Pickets, Add</i>	334.42	
			<i>For Aluminum With Satin Finish, Add</i>	417.74	
			<i>For Third Rail, Add</i>	107.45	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	143.27	
32 31	19 00-0139	EA	9' Wide x 7' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	1,590.22	31.69
			<i>For Solid Pickets, Add</i>	351.01	
			<i>For Aluminum With Satin Finish, Add</i>	436.31	
			<i>For Third Rail, Add</i>	112.47	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	149.97	
32 31	19 00-0140	EA	10' Wide x 7' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	1,791.61	35.42
			<i>For Solid Pickets, Add</i>	395.52	
			<i>For Aluminum With Satin Finish, Add</i>	491.95	
			<i>For Third Rail, Add</i>	126.78	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	169.04	
32 31	19 00-0141	EA	12' Wide x 7' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	2,170.90	39.51
			<i>For Solid Pickets, Add</i>	479.99	
			<i>For Aluminum With Satin Finish, Add</i>	600.50	
			<i>For Third Rail, Add</i>	154.36	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	205.81	
32 31	19 00-0142	EA	14' Wide x 7' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	2,139.08	44.29
			<i>For Solid Pickets, Add</i>	471.81	
			<i>For Aluminum With Satin Finish, Add</i>	584.81	
			<i>For Third Rail, Add</i>	150.95	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	201.26	
32 31	19 00-0143	EA	16' Wide x 7' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	2,315.46	49.40
			<i>For Solid Pickets, Add</i>	510.39	
			<i>For Aluminum With Satin Finish, Add</i>	631.12	
			<i>For Third Rail, Add</i>	163.07	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	217.43	
32 31	19 00-0144	EA	18' Wide x 7' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim.	2,526.72	55.24
			<i>For Solid Pickets, Add</i>	556.67	
			<i>For Aluminum With Satin Finish, Add</i>	686.99	
			<i>For Third Rail, Add</i>	177.67	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	236.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0145 EA 20' Wide x 7' High Steel Tube Double Swing Gate .....	2,662.43	61.63
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	585.84	
<i>For Aluminum With Satin Finish, Add</i>	719.50	
<i>For Third Rail, Add</i>	186.48	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	248.64	
<b>32 31 19 00-0146 8' Fence Height Steel Tube Swing Gates, 2 Rail</b> <small>(32 31 19 00-0045)</small>		
32 31 19 00-0147 EA 3' Wide x 8' High Steel Tube Single Swing Gate .....	748.89	13.79
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	165.40	
<i>For Aluminum With Satin Finish, Add</i>	206.04	
<i>For Third Rail, Add</i>	53.06	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	70.75	
32 31 19 00-0148 EA 3'-6" Wide x 8' High Steel Tube Single Swing Gate .....	785.31	14.54
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	173.42	
<i>For Aluminum With Satin Finish, Add</i>	215.93	
<i>For Third Rail, Add</i>	55.62	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	74.16	
32 31 19 00-0149 EA 4' Wide x 8' High Steel Tube Single Swing Gate .....	824.24	15.32
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	182.00	
<i>For Aluminum With Satin Finish, Add</i>	226.58	
<i>For Third Rail, Add</i>	58.37	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	77.83	
32 31 19 00-0150 EA 5' Wide x 8' High Steel Tube Single Swing Gate .....	857.33	17.06
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	189.05	
<i>For Aluminum With Satin Finish, Add</i>	234.12	
<i>For Third Rail, Add</i>	60.45	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	80.61	
32 31 19 00-0151 EA 6' Wide x 8' High Steel Tube Single Swing Gate .....	1,015.61	19.31
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	224.17	
<i>For Aluminum With Satin Finish, Add</i>	278.61	
<i>For Third Rail, Add</i>	71.82	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	95.77	
32 31 19 00-0152 EA 7' Wide x 8' High Steel Tube Single Swing Gate .....	1,127.38	23.27
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	248.42	
<i>For Aluminum With Satin Finish, Add</i>	306.75	
<i>For Third Rail, Add</i>	79.31	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	105.75	
32 31 19 00-0153 EA 8' Wide x 8' High Steel Tube Single Swing Gate .....	1,172.98	27.09
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	257.82	
<i>For Aluminum With Satin Finish, Add</i>	315.26	
<i>For Third Rail, Add</i>	81.87	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	109.16	
32 31 19 00-0154 EA 9' Wide x 8' High Steel Tube Single Swing Gate .....	1,254.42	31.09
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	275.24	
<i>For Aluminum With Satin Finish, Add</i>	334.31	
<i>For Third Rail, Add</i>	87.08	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	116.11	
32 31 19 00-0155 EA 10' Wide x 8' High Steel Tube Single Swing Gate .....	1,324.50	35.10
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	290.11	
<i>For Aluminum With Satin Finish, Add</i>	349.96	
<i>For Third Rail, Add</i>	91.44	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	121.92	
32 31 19 00-0156 EA 6' Wide x 8' High Steel Tube Double Swing Gate .....	1,480.02	22.30
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	328.22	
<i>For Aluminum With Satin Finish, Add</i>	415.32	
<i>For Third Rail, Add</i>	106.22	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	141.63	
32 31 19 00-0157 EA 7' Wide x 8' High Steel Tube Double Swing Gate .....	1,563.92	26.91
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	346.11	
<i>For Aluminum With Satin Finish, Add</i>	434.57	
<i>For Third Rail, Add</i>	111.53	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	148.70	
32 31 19 00-0158 EA 8' Wide x 8' High Steel Tube Double Swing Gate .....	1,646.05	31.32
Note: Includes mounting hardware and associated trim.		
<i>For Solid Pickets, Add</i>	363.65	
<i>For Aluminum With Satin Finish, Add</i>	453.52	
<i>For Third Rail, Add</i>	116.74	
<i>For 1" Square x 14 Gauge Pickets, Add</i>	155.65	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0159	EA	9' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,713.54  377.84 467.85 120.81 161.08	35.96
32 31	19 00-0160	EA	10' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,993.26  439.79 545.85 140.81 187.74	40.56
32 31	19 00-0161	EA	12' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,491.82  550.87 688.81 177.10 236.13	45.67
32 31	19 00-0162	EA	14' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,263.42  498.23 612.78 158.72 211.62	51.51
32 31	19 00-0163	EA	16' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,419.09  531.81 650.82 168.95 225.26	58.27
32 31	19 00-0164	EA	18' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,663.95  585.31 714.72 185.72 247.63	65.68
32 31	19 00-0165	EA	20' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,707.95  593.43 717.22 187.24 249.65	74.00
32 31	19 00-0166		<b>Replace Steel Tube Fence Pickets</b> (32 31 19 00-0032)		
32 31	19 00-0167	LF	Replace 3/4" Square x 16 Gauge Steel Tube Fence Picket..... <i>For 1" Square x 14 Gauge Pickets, Add</i>	15.82 0.66	
32 31	19 00-0168		<b>Remove And Reinstall Ornamental Fences</b> (32 31 19)		
			Note: Removal and reinstallation of fences including storage and cleaning. Excludes augering and concrete.		
32 31	19 00-0169	LF	Removal And Reinstallation Of Ornamental Fence Up To 5' Height.....	20.70	
32 31	19 00-0170	LF	Removal And Reinstallation Of Ornamental Fence, 6' Height.....	22.76	
32 31	19 00-0171	LF	Removal And Reinstallation Of Ornamental Fence, 7' Height.....	24.84	
32 31	19 00-0172	LF	Removal And Reinstallation Of Ornamental Fence, 8' Height.....	26.91	
32 31	19 00-0173	LF	Removal And Reinstallation Of Ornamental Fence, 9' Height.....	28.97	
32 31	19 00-0174	LF	Removal And Reinstallation Of Ornamental Fence, 10' Height.....	31.04	
32 31	19 00-0175	LF	Removal And Reinstallation Of Ornamental Fence 12' Height.....	34.49	
32 31 23			<b>Plastic Fences And Gates</b> (32 31)		
32 31 23 00-0001			<b>Vinyl Fence</b> (32 31 23)		
32 31 23 00-0002			<b>Privacy Tongue And Groove Vinyl Fence</b> (32 31 23 00-0001) Note: With 1-1/2" x 5-1/2" top and bottom rails, 5" x 5" posts installed 7' centers. Posts include flat cap.		
32 31 23 00-0003	LF		3' High Privacy Tongue And Groove Vinyl Fence .....	29.52	1.97
32 31 23 00-0004	LF		4' High Privacy Tongue And Groove Vinyl Fence .....	32.84	2.36
32 31 23 00-0005	LF		5' High Privacy Tongue And Groove Vinyl Fence .....	36.49	2.75
32 31 23 00-0006	LF		6' High Privacy Tongue And Groove Vinyl Fence .....	40.06	3.14
32 31 23 00-0007			<b>Semi-Privacy 6" Picket Vinyl Fence</b> (32 31 23 00-0001) Note: With 1-1/2" x 5-1/2" top and bottom rails, 2" x 3-1/2" mid rail, 5" x 5" posts installed 6' centers. Posts include flat cap.		
32 31 23 00-0008	LF		5' High Semi-Privacy 6" Picket Vinyl Fence .....	39.37	2.75
32 31 23 00-0009	LF		6' High Semi-Privacy 6" Picket Vinyl Fence .....	42.98	3.14
32 31 23 00-0010			<b>Picket Straight Top Vinyl Fence</b> (32 31 23 00-0001) Note: With 2-1/2" x 3-1/2" top rail, 1-1/2" x 5-1/2" bottom rail, 1-3/8" x 1-3/8" or 1" x 3" pickets, 5" x 5" posts installed 6' centers. Posts include flat cap.		
32 31 23 00-0011	LF		3' High Picket Straight Top Vinyl Fence .....	26.97	1.97
32 31 23 00-0012	LF		4' High Picket Straight Top Vinyl Fence .....	30.43	2.36
32 31 23 00-0013	LF		5' High Picket Straight Top Vinyl Fence .....	34.81	2.75



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 23 00-0014	LF		6' High Picket Straight Top Vinyl Fence.....	38.41	3.14
<b>32 31 23 00-0015</b>			<b>Picket Scalloped Top Vinyl Fence</b> (32 31 23 00-0001) Note: With 2-1/2" x 3-1/2" top rail, 1-1/2" x 5-1/2" bottom rail, 1-3/8" x 1-3/8" or 1" x 3" pickets, 5" x 5" posts installed 6' centers. Posts include flat cap.		
32 31 23 00-0016	LF		3' High Picket Scalloped Top Vinyl Fence.....	30.24	1.97
32 31 23 00-0017	LF		4' High Picket Scalloped Top Vinyl Fence.....	33.80	2.36
32 31 23 00-0018	LF		5' High Picket Scalloped Top Vinyl Fence.....	37.96	2.75
32 31 23 00-0019	LF		6' High Picket Scalloped Top Vinyl Fence.....	41.66	3.14
<b>32 31 23 00-0020</b>			<b>Post And Rail Vinyl Fence, Ranch Style</b> (32 31 23 00-0001) Note: With 1-1/2" x 5-1/2" rails, 5" x 5" posts installed 8' centers. Posts include flat cap.		
32 31 23 00-0021	LF		5' High, 2 Rail, Post And Rail Vinyl Fence.....	9.10	1.97
32 31 23 00-0022	LF		6-1/2' High, 3 Rail, Post And Rail Vinyl Fence.....	11.94	2.36
32 31 23 00-0023	LF		7' High, 4 Rail, Post And Rail Vinyl Fence.....	14.00	2.55
<b>32 31 23 00-0024</b>			<b>Post, Rails And Pickets (Traditional Style) Vinyl Fence</b> (32 31 23 00-0001) Note: With top and bottom 3" x 3" rails, 5" x 5" posts and 1-1/2" x 1-1/2" pickets. Posts include flat cap.		
32 31 23 00-0025	LF		3' High Rail And Picket Vinyl Fence, 72' On Center Posts.....	35.63	2.16
32 31 23 00-0026	LF		4' High Rail And Picket Vinyl Fence, 72' On Center Posts.....	38.63	2.55
32 31 23 00-0027	LF		3' High Rail And Picket Vinyl Fence, 96' On Center Posts.....	33.73	1.97
32 31 23 00-0028	LF		4' High Rail And Picket Vinyl Fence, 96' On Center Posts.....	36.34	2.36
<b>32 31 23 00-0029</b>			<b>Vinyl Gates</b> (32 31 23)		
<b>32 31 23 00-0030</b>			<b>Gates For Privacy And Semi-Privacy Fences</b> (32 31 23 00-0029) Note: Includes hinges.		
<b>32 31 23 00-0031</b>			<b>3' High Gates For Privacy And Semi-Privacy Fences</b> (32 31 23 00-0030)		
32 31 23 00-0032	EA		3' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	329.85	19.65
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0033	EA		3' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	350.35	20.63
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0034	EA		3' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	386.01	21.61
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0035	EA		3' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	435.13	22.60
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
<b>32 31 23 00-0036</b>			<b>4' High Gates For Privacy And Semi-Privacy Fences</b> (32 31 23 00-0030)		
32 31 23 00-0037	EA		4' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	350.35	20.63
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0038	EA		4' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	362.42	21.61
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0039	EA		4' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	404.81	22.60
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0040	EA		4' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	479.21	23.58
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
<b>32 31 23 00-0041</b>			<b>5' High Gates For Privacy And Semi-Privacy Fences</b> (32 31 23 00-0030)		
32 31 23 00-0042	EA		5' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	362.42	21.61
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0043	EA		5' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	377.86	22.60
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0044	EA		5' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	437.10	23.58
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0045	EA		5' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	514.86	24.56
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	
<b>32 31 23 00-0046</b>			<b>6' High Gates For Privacy And Semi-Privacy Fences</b> (32 31 23 00-0030)		
32 31 23 00-0047	EA		6' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	379.83	23.58
			For Self-Closing Hinge Set, Add	14.50	
			For Self-Closing Stainless Steel Hinge Set, Add	38.50	



**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 23 00-0048 EA 6' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	395.26	24.56
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0049 EA 6' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	483.13	25.55
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0050 EA 6' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	535.63	25.55
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
<b>32 31 23 00-0051 Gates For Picket Fences (32 31 23 00-0029)</b>		
Note: Includes hinges.		
<b>32 31 23 00-0052 3' High Gates For Picket Fences (32 31 23 00-0051)</b>		
32 31 23 00-0053 EA 3' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	314.69	19.65
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0054 EA 3' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	326.77	20.63
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0055 EA 3' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	369.16	21.61
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0056 EA 3' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	443.55	22.60
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
<b>32 31 23 00-0057 4' High Gates For Picket Fences (32 31 23 00-0051)</b>		
32 31 23 00-0058 EA 4' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	316.66	20.63
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0059 EA 4' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	328.74	21.61
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0060 EA 4' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	371.12	22.60
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0061 EA 4' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	445.52	23.58
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
<b>32 31 23 00-0062 5' High Gates For Picket Fences (32 31 23 00-0051)</b>		
32 31 23 00-0063 EA 5' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	328.74	21.61
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0064 EA 5' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	344.17	22.60
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0065 EA 5' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	403.41	23.58
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0066 EA 5' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	481.17	24.56
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
<b>32 31 23 00-0067 6' High Gates For Picket Fences (32 31 23 00-0051)</b>		
32 31 23 00-0068 EA 6' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	346.14	23.58
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0069 EA 6' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	361.58	24.56
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0070 EA 6' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	449.44	25.55
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0071 EA 6' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	501.94	26.53
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
<b>32 31 23 00-0072 Gates Accessories (32 31 23 00-0029)</b>		
32 31 23 00-0073 EA Gate Stop/Drop Rod .....	70.45	
32 31 23 00-0074 EA Latch Set.....	46.02	
32 31 23 00-0075 EA Stainless Steel Latch Set.....	70.45	
<b>32 31 26 Wire Fences And Gates (32 31)</b>		
<b>32 31 26 00-0001 Chicken Wire (32 31 26)</b>		
Note: Posts at 4'.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 26 00-0002 LF 4' High, 1" Mesh, Chicken Wire Fence, Metal Posts At 4'.....	4.20	0.78
32 31 26 00-0003 LF 6' High, 2" Mesh, Chicken Wire Fence, Metal Posts At 4'.....	4.49	0.78
<b>32 31 26 00-0004 Wire And Screen (32 31 26)</b>		
<b>32 31 26 00-0005 Wire And Screen For Partitions And Fences (32 31 26 00-0004)</b> Note: Excludes framing and post.		
<b>32 31 26 00-0006 Screen Wire (32 31 26 00-0005)</b>		
32 31 26 00-0007 LF Screen Wire, 48" Wide Rolls.....	5.36	0.40
<b>32 31 26 00-0008 Hog Wire (32 31 26 00-0005)</b>		
32 31 26 00-0009 SF 4" x 4" Hog Wire For Fencing.....	0.89	0.32
32 31 26 00-0010 SF 6" x 6" Hog Wire For Fencing.....	0.92	0.36
<b>32 31 26 00-0011 Non-Climb Horse Fence (32 31 26 00-0005)</b>		
32 31 26 00-0012 LF 4' Non-Climb Woven, 12.5 Gauge, Horse Fence.....	4.30	1.28
32 31 26 00-0013 LF 5' Non-Climb Woven, 12.5 Gauge, Horse Fence.....	5.57	1.60
32 31 26 00-0014 LF 6' Non-Climb Woven, 12.5 Gauge, Horse Fence.....	7.14	1.92
<b>32 31 26 00-0015 Screen For Partitions And Ceilings (32 31 26 00-0004)</b> Note: Can be used to support insulation on walls and ceilings.		
32 31 26 00-0016 SF 1" Mesh Chicken Wire.....	1.01	
<b>32 31 26 00-0017 Wicket Fence (32 31 26)</b>		
32 31 26 00-0018 LF Steel Wicket Fence, Painted.....	45.95	3.15
<b>32 31 29 Wood Fences And Gates (32 31)</b> See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
<b>32 31 29 00-0001 Basket Weave (32 31 29)</b> Note: 3/8" x 4" boards, 4" x 4" post		
32 31 29 00-0002 LF 6' High #1 Cedar Basket Weave Fence 3/8" x 4" Boards, 4" x 4" Post.....	32.56	1.57
For Fastening With Screws Instead Of Nails, Add	1.79	
32 31 29 00-0003 LF 6' High, Pressure Treated Pine Basket Weave 3/8" x 4" Boards, 4" x 4" Post.....	18.59	1.57
For Fastening With Screws Instead Of Nails, Add	1.10	
<b>32 31 29 00-0004 Board Fence (32 31 29)</b> Note: 1x4" board, 2x4" rail, 4x4" post.		
32 31 29 00-0005 LF Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" Boards, Preservative Treated.....	16.31	1.57
For 1" x 6" Boards, Deduct	-1.45	
For 1" x 3" Boards (Stockade Top), Add	1.72	
For Fastening With Screws Instead Of Nails, Add	1.00	
32 31 29 00-0006 LF Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" Boards, Preservative Treated.....	18.38	1.57
For 1" x 6" Boards, Deduct	-1.59	
For 1" x 3" Boards (Stockade Top), Add	1.87	
For Fastening With Screws Instead Of Nails, Add	1.11	
32 31 29 00-0007 LF Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" Boards, Preservative Treated.....	21.01	1.57
For 1" x 6" Boards, Deduct	-1.73	
For 1" x 3" Boards (Stockade Top), Add	2.00	
For Fastening With Screws Instead Of Nails, Add	1.25	
32 31 29 00-0008 LF Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" Boards, Preservative Treated.....	22.63	1.57
For 1" x 6" Boards, Deduct	-1.83	
For 1" x 3" Boards (Stockade Top), Add	2.11	
For Fastening With Screws Instead Of Nails, Add	1.34	
32 31 29 00-0009 LF Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" Boards, Preservative Treated.....	24.39	1.57
For 1" x 6" Boards, Deduct	-1.93	
For 1" x 3" Boards (Stockade Top), Add	2.21	
For Fastening With Screws Instead Of Nails, Add	1.44	
32 31 29 00-0010 LF Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" #2 Grade Western Cedar.....	17.84	1.57
For 1" x 6" Boards, Deduct	-1.51	
For 1" x 3" Boards (Stockade Top), Add	1.77	
For Fastening With Screws Instead Of Nails, Add	1.07	
32 31 29 00-0011 LF Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" #2 Grade Western Cedar.....	19.56	1.57
For 1" x 6" Boards, Deduct	-1.64	
For 1" x 3" Boards (Stockade Top), Add	1.91	
For Fastening With Screws Instead Of Nails, Add	1.17	
32 31 29 00-0012 LF Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" #2 Grade Western Cedar.....	21.01	1.57
For 1" x 6" Boards, Deduct	-1.73	
For 1" x 3" Boards (Stockade Top), Add	2.00	
For Fastening With Screws Instead Of Nails, Add	1.25	
32 31 29 00-0013 LF Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" #2 Grade Western Cedar.....	22.63	1.57
For 1" x 6" Boards, Deduct	-1.83	
For 1" x 3" Boards (Stockade Top), Add	2.11	
For Fastening With Screws Instead Of Nails, Add	1.34	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	29 00-0014	LF	Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" #2 Grade Western Cedar..... <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	24.39 -1.93 2.21 1.44	1.57
32 31	29 00-0015	LF	Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" #1 Grade Cedar ..... <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	17.84 -1.51 1.77 1.07	1.57
32 31	29 00-0016	LF	Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" #1 Grade Cedar ..... <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	24.78 -1.85 2.07 1.43	1.57
32 31	29 00-0017	LF	Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" #1 Grade Cedar ..... <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	26.02 -1.93 2.15 1.50	1.57
32 31	29 00-0018	LF	Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Grade Cedar ..... <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	28.23 -2.05 2.27 1.62	1.57
32 31	29 00-0019	LF	Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Grade Cedar ..... <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	30.63 -2.18 2.40 1.75	1.57
32 31	29 00-0020	LF	CDX Plywood Fence, 3 - 2" x 4" Rails, 6' High, 5/8" Thick, Unpainted ..... <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	19.00 -1.41 1.57 1.10	1.57
32 31	29 00-0021	LF	CDX Plywood Fence, 3 - 2" x 4" Rails, 8' High, 5/8" Thick, Unpainted ..... <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	18.41 -1.45 1.66 1.08	1.57
32 31	29 00-0022	LF	CDX Plywood Fence, 3 - 2" x 4" Rails, 10' High, 5/8" Thick, Unpainted ..... <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	21.18 -1.63 1.85 1.24	1.57
32 31	29 00-0023		<b>Shadow Box</b> <small>(32 31 29)</small> Note: 1x6" board, 2x4" Rail, 4x4" post.		
32 31	29 00-0024	LF	Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 6" Pressure Treated Pine ..... <i>For Fastening With Screws Instead Of Nails, Add</i>	31.56 1.74	1.57
32 31	29 00-0025	LF	Shadow Box, 3 - 2" x 4" Rails, 4' High 1" x 4" #1 Cedar ..... <i>For Fastening With Screws Instead Of Nails, Add</i>	39.79 2.18	1.57
32 31	29 00-0026	LF	Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Cedar ..... <i>For Fastening With Screws Instead Of Nails, Add</i>	43.45 2.37	1.57
32 31	29 00-0027	LF	Shadow Box, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Cedar ..... <i>For Fastening With Screws Instead Of Nails, Add</i>	46.71 2.55	1.57
32 31	29 00-0028		<b>Open Rail Fence</b> <small>(32 31 29)</small>		
32 31	29 00-0029		<b>Post And Rail Fence, Ranch Style</b> <small>(32 31 29 00-0028)</small>		
32 31	29 00-0030	LF	Post And Rail Fence, 2 Rails, 3' High #1 Cedar.....	15.80	1.57
32 31	29 00-0031	LF	Post And Rail Fence, 2 Rails, 3' High #2 Cedar.....	11.44	1.57
32 31	29 00-0032	LF	Post And Rail Fence, 3 Rails, 4' High #1 Cedar.....	19.20	1.57
32 31	29 00-0033	LF	Post And Rail Fence, 3 Rails, 4' High #2 Cedar.....	12.42	1.57
32 31	29 00-0034		<b>Split Rail Fence</b> <small>(32 31 29 00-0028)</small>		
32 31	29 00-0035	LF	Split Rail Fence, 2 Rails, 3' High #1 Cedar.....	14.68	1.57
32 31	29 00-0036	LF	Split Rail Fence, 2 Rails, 3' High #2 Cedar.....	11.40	1.57
32 31	29 00-0037	LF	Split Rail Fence, 3 Rail, 4' High #1 Cedar.....	17.06	1.57
32 31	29 00-0038	LF	Split Rail Fence, 3 Rail, 4' High #2 Cedar.....	13.05	1.57
32 31	29 00-0039		<b>Picket Fence</b> <small>(32 31 29)</small>		
32 31	29 00-0040	LF	Picket Fence, 2 Rail, 3' High, Pressure Treated ..... <i>For Fastening With Screws Instead Of Nails, Add</i>	16.21 1.00	1.57
32 31	29 00-0041	LF	Picket Fence, 2 Rail, 3' High #1 Cedar ..... <i>For Fastening With Screws Instead Of Nails, Add</i>	14.98 0.94	1.57
32 31	29 00-0042		<b>Wood Fence Post Accessories</b> <small>(32 31 29)</small>		
32 31	29 00-0043	EA	3-1/2" x 3-1/2" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	23.05	
32 31	29 00-0044	EA	4" x 4" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	26.21	
32 31	29 00-0045	EA	6" x 6" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	28.43	
32 31	29 00-0046	EA	8" x 8" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	43.30	
32 31	29 00-0047		<b>Wood Gate</b> <small>(32 31 29)</small>		



		<b>Exterior Improvements</b>	<b>32</b>
		<b>Site Improvements</b>	<b>32 30</b>
		<b>Fences And Gates</b>	<b>32 31</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>32 31 29 00-0048</b>	<b>Board Fence Gates, Pressure Treated Wood <small>(32 31 29 00-0047)</small></b>	
Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (treated lumber).		
32 31 29 00-0049 EA 3' To 5' High x 3' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	240.33	53.89
32 31 29 00-0050 EA 3' To 5' High x 3'-6" Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	270.64	57.12
32 31 29 00-0051 EA 3' To 5' High x 4' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	305.29	62.51
32 31 29 00-0052 EA 3' To 5' High x 5' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	356.82	65.74
32 31 29 00-0053 EA 3' To 5' High x 6' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	408.36	68.97
32 31 29 00-0054 EA >5' To 8' High x 3' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	301.32	71.13
32 31 29 00-0055 EA >5' To 8' High x 3'-6" Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	334.30	74.36
32 31 29 00-0056 EA >5' To 8' High x 4' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	367.28	77.59
32 31 29 00-0057 EA >5' To 8' High x 5' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	426.77	80.82
32 31 29 00-0058 EA >5' To 8' High x 6' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	473.00	84.07
<b>32 31 29 00-0059</b>	<b>Board Fence Gates, Grade 2 Cedar <small>(32 31 29 00-0047)</small></b>	
Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0060 EA 3' To 5' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	456.16	49.12
32 31 29 00-0061 EA 3' To 5' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	470.00	52.08
32 31 29 00-0062 EA 3' To 5' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	490.44	56.99
32 31 29 00-0063 EA 3' To 5' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	517.53	59.94
32 31 29 00-0064 EA 3' To 5' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	552.60	62.89
32 31 29 00-0065 EA >5' To 8' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	527.36	64.85
32 31 29 00-0066 EA >5' To 8' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	546.51	67.80
32 31 29 00-0067 EA >5' To 8' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	578.91	70.75
32 31 29 00-0068 EA >5' To 8' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	611.32	73.69
32 31 29 00-0069 EA >5' To 8' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	643.72	76.64
<b>32 31 29 00-0070</b>	<b>Board Fence Gates, Grade 1 Cedar <small>(32 31 29 00-0047)</small></b>	
Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0071 EA 3' To 5' High x 3' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	495.92	49.12
32 31 29 00-0072 EA 3' To 5' High x 3'-6" Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	515.07	52.08
32 31 29 00-0073 EA 3' To 5' High x 4' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	538.16	56.99
32 31 29 00-0074 EA 3' To 5' High x 5' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	570.56	59.94
32 31 29 00-0075 EA 3' To 5' High x 6' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	602.97	62.89
32 31 29 00-0076 EA >5' To 8' High x 3' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	580.39	64.85
32 31 29 00-0077 EA >5' To 8' High x 3'-6" Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	599.53	67.80
32 31 29 00-0078 EA >5' To 8' High x 4' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	631.93	70.75
32 31 29 00-0079 EA >5' To 8' High x 5' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	664.34	73.69
32 31 29 00-0080 EA >5' To 8' High x 6' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	710.00	76.64
<b>32 31 29 00-0081</b>	<b>Plywood Fence Gates <small>(32 31 29 00-0047)</small></b>	
Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2 x 4 frame, and galvanized nails and hinges.		
32 31 29 00-0082 EA 6' High, 5/8" CDX Plywood Gate, 6' To 10' Wide .....	464.05	57.34
Note: Unpainted. Excludes post.		
32 31 29 00-0083 EA 7' High, 5/8" CDX Plywood Gate, 6' To 10' Wide .....	471.97	57.34
Note: Unpainted. Excludes post.		
32 31 29 00-0084 EA 8' High, 5/8" CDX Plywood Gate, 6' To 10' Wide .....	548.71	62.55
Note: Unpainted. Excludes post.		
32 31 29 00-0085 EA 9' High, 5/8" CDX Plywood Gate, 6' To 10' Wide .....	556.63	62.55
Note: Unpainted. Excludes post.		
32 31 29 00-0086 EA 10' High, 5/8" CDX Plywood Gate, 6' To 10' Wide .....	591.67	67.77
Note: Unpainted. Excludes post.		
32 31 29 00-0087 EA 6' High, 5/8" CDX Plywood Gate, >10' To 20' Wide .....	844.70	104.25
Note: Unpainted. Excludes post.		
32 31 29 00-0088 EA 7' High, 5/8" CDX Plywood Gate, >10' To 20' Wide .....	860.54	104.25
Note: Unpainted. Excludes post.		
32 31 29 00-0089 EA 8' High, 5/8" CDX Plywood Gate, >10' To 20' Wide .....	972.31	114.68
Note: Unpainted. Excludes post.		
32 31 29 00-0090 EA 9' High, 5/8" CDX Plywood Gate, >10' To 20' Wide .....	988.15	114.68
Note: Unpainted. Excludes post.		
32 31 29 00-0091 EA 10' High, 5/8" CDX Plywood Gate, >10' To 20' Wide .....	1,058.21	125.10
Note: Unpainted. Excludes post.		
32 31 29 00-0092 EA 6' High, 5/8" CDX Plywood Gate, >20' To 40' Wide .....	1,558.57	208.50
Note: Unpainted. Excludes post.		
32 31 29 00-0093 EA 7' High, 5/8" CDX Plywood Gate, >20' To 40' Wide .....	1,590.25	208.50
Note: Unpainted. Excludes post.		
32 31 29 00-0094 EA 8' High, 5/8" CDX Plywood Gate, >20' To 40' Wide .....	1,772.08	229.35
Note: Unpainted. Excludes post.		
32 31 29 00-0095 EA 9' High, 5/8" CDX Plywood Gate, >20' To 40' Wide .....	1,803.76	229.35
Note: Unpainted. Excludes post.		
32 31 29 00-0096 EA 10' High, 5/8" CDX Plywood Gate, >20' To 40' Wide .....	1,964.73	255.42
Note: Unpainted. Excludes post.		
<b>32 31 29 00-0097</b>	<b>Wood Gates Accessories <small>(32 31 29 00-0047)</small></b>	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	32 31 29 00-0098	EA	Galvanized Steel Padlockable Slide Latch, 6-3/16" Bolt Length .....	23.31	3.93
	32 31 29 00-0099	EA	Black Steel Padlockable Slide Latch, 6-3/16" Bolt Length .....	15.83	3.93
	32 31 29 00-0100	EA	Stainless Steel Padlockable Slide Latch, 6-3/16" Bolt Length.....	47.40	3.93
	32 31 29 00-0101	EA	Black Steel Cane Bolt, 18" Bolt Length.....	29.53	4.92
	32 31 29 00-0102	EA	Zinc Coated Steel Cane Bolt, 18" Bolt Length .....	29.14	4.92
	32 31 29 00-0103	EA	Galvanized Steel Self Latching Gate Latches, 4-1/4" Bolt Length .....	37.73	4.92
	32 31 29 00-0104	EA	Black Steel Self Latching Gate Latches, 4-1/4" Bolt Length.....	25.68	4.92
	32 31 29 00-0105	EA	Stainless Steel Self Latching Gate Latches, 4-1/4" Bolt Length.....	43.45	4.92
	<b>32 31 29 00-0106</b>		<b>Pressure Treated Wood Fence Posts</b> <small>(32 31 29)</small>		
			See CSI section 32 31 13 13-0001 for drilling augering, 32 31 56 00-0017 for barbed wire.		
	32 31 29 00-0107	EA	4' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill.....	22.36	5.39
	32 31 29 00-0108	EA	6' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill.....	26.54	5.39
	32 31 29 00-0109	EA	4' High, Pressure Treated Wood Fence Posts, Set In Concrete .....	37.66	10.35
	32 31 29 00-0110	EA	6' High, Pressure Treated Wood Fence Posts, Set In Concrete .....	42.43	10.35
	<b>32 31 56</b>		<b>Wild Life Deterrent Fence</b> <small>(32 31)</small>		
	<b>32 31 56 00-0001</b>		<b>Barbed Wire Fences</b> <small>(32 31 56)</small>		
			Note: Excludes post holes and fill See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
	<b>32 31 56 00-0002</b>		<b>Fence Posts</b> <small>(32 31 56 00-0001)</small>		
	<b>32 31 56 00-0003</b>		<b>Fence Post Soil, Set In Concrete</b> <small>(32 31 56 00-0002)</small>		
	32 31 56 00-0004	EA	Barbed Wire Fence Post, Galvanized Set In Concrete In Soil .....	58.52	3.68
			<i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	95.12	
	32 31 56 00-0005	EA	Barbed Wire Fence Post, Vinyl Coated Set In Concrete In Soil.....	80.99	3.68
			<i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	132.65	
	<b>32 31 56 00-0006</b>		<b>Post In Rock</b> <small>(32 31 56 00-0002)</small>		
	32 31 56 00-0007	EA	Barbed Wire Fence Post, Galvanized Grouted In Rock.....	57.72	3.68
			<i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	93.92	
	32 31 56 00-0008	EA	Barbed Wire Fence Post, Vinyl Coated Grouted In Rock.....	80.19	3.68
			<i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	131.45	
	<b>32 31 56 00-0009</b>		<b>Studded Steel T-Posts, Enamel Paint Finish</b> <small>(32 31 56 00-0001)</small>		
			Note: Posts for barb wire, chain link or welded wire mesh.		
	32 31 56 00-0010	EA	5' Studded Steel T-Post, Driven Into Earth .....	12.41	
	32 31 56 00-0011	EA	5'-6" Studded Steel T-Post, Driven Into Earth.....	12.72	
	32 31 56 00-0012	EA	6' Studded Steel T-Post, Driven Into Earth .....	13.37	
	32 31 56 00-0013	EA	6'-6" Studded Steel T-Post, Driven Into Earth.....	14.02	
	32 31 56 00-0014	EA	7' Studded Steel T-Post, Driven Into Earth .....	14.89	
	32 31 56 00-0015	EA	8' Studded Steel T-Post, Driven Into Earth .....	16.92	
	32 31 56 00-0016	EA	10' Studded Steel T-Post, Driven Into Earth .....	21.09	
	<b>32 31 56 00-0017</b>		<b>Barbed Wire</b> <small>(32 31 56 00-0001)</small>		
			Note: Per strand.		
	32 31 56 00-0018	LF	Galvanized Barbed Wire For Wild Life Deterrent Fencing, Per Strand .....	0.42	0.19
	32 31 56 00-0019	LF	Vinyl Coated Barbed Wire, For Wild Life Deterrent Fencing, Per Strand.....	0.51	0.19
	<b>32 31 56 00-0020</b>		<b>Barbed Wire Fence, Farm Style, With Wood Posts</b> <small>(32 31 56 00-0001)</small>		
			Note: Based on post at 10' centers, two corner post and two pull post per 300 lf.		
	32 31 56 00-0021	LF	4'-6" Height, Three (3) Strand Barbed Wire Fence With Wood Posts.....	5.80	1.20
			Note: Posts at 10' maximum.		
	<b>32 32</b>		<b>Retaining Walls</b> <small>(32 30)</small>		
	<b>32 32 13</b>		<b>Cast-In-Place Concrete Retaining Wall</b> <small>(32 32)</small>		
			Note: System elements include all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.		
	32 32 13 00-0001	LF	4' High With Base, 10" Thick Reinforced .....	250.83	67.61
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	9.83	
	32 32 13 00-0002	LF	6' High With Base, 10" Thick Reinforced .....	315.77	83.19
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	12.69	
	32 32 13 00-0003	LF	8' High With Base, 10" Thick Reinforced .....	346.37	89.73
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	14.19	
	32 32 13 00-0004	LF	10' High With Base, 13" Thick Reinforced .....	450.13	110.95
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	19.40	
	32 32 13 00-0005	LF	12' High With Base, 14" Thick Reinforced .....	519.77	127.44
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	22.51	
	32 32 13 00-0006	LF	16' High With Base, 16" Thick Reinforced .....	745.23	186.96
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	31.56	
	32 32 13 00-0007	LF	20' High With Base, 18" Thick Reinforced .....	1,019.06	258.11
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	42.74	



		<b>Exterior Improvements</b>	<b>32</b>
		Site Improvements	32 30
		Retaining Walls	32 32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 13 00-0008	LF		4' High With Base, 12" Thick Reinforced ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	276.79 10.98	73.83
32 32 13 00-0009	LF		6' High With Base, 12" Thick Reinforced ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	342.58 14.00	88.96
32 32 13 00-0010	LF		8' High With Base, 12" Thick Reinforced ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	366.32 15.36	92.82
32 32 13 00-0011	LF		10' High With Base, 16" Thick Reinforced ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	512.57 22.42	124.40
32 32 13 00-0012	LF		12' High With Base, 18" Thick Reinforced ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	644.57 27.62	159.79
32 32 13 00-0013	LF		16' High With Base, 21" Thick Reinforced ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	959.70 40.40	242.21
32 32 13 00-0014	LF		20' High With Base, 24" Thick Reinforced ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	1,354.18 56.98	341.90

**32 32 16 Precast Concrete Retaining Walls (32 32)**

32 32 16 00-0001	<b>Precast Retaining Walls (32 32 16)</b>				
Note: Tied-back earth walls. Includes precast filter fabric, soil reinforcing mesh and cast-in-place coping. Excludes concrete leveling pad, or select earth excavation and backfill.					
32 32 16 00-0002	SF		Precast Concrete Retaining Walls, 10-15' High Tied-back Earth Walls .....	67.40	5.90
32 32 16 00-0003	SF		Precast Concrete Retaining Walls, 16-20' High Tied-back Earth Walls .....	70.56	4.74
32 32 16 00-0004	SF		Precast Concrete Retaining Walls, 21-25' High Tied-back Earth Walls .....	74.14	3.95
32 32 16 00-0005	SF		Precast Concrete Retaining Walls, 26-30' High Tied-back Earth Walls .....	80.49	3.95
32 32 16 00-0006	SF		Precast Concrete Retaining Walls, >30' High Tied-back Earth Walls .....	85.96	3.37

**32 32 23 Segmental Retaining Walls (32 32)**

**32 32 23 13 Segmental Concrete Unit Masonry Retaining Walls (32 32 23)**

32 32 23 13-0001	<b>Modular Retaining Wall Systems (32 32 23 13)</b>				
Note: Includes installation, material and manufacturer's wall design. Includes stone wall, cap stones, #57 stone backing, Geo-Grid (2/3 height of wall), miradrain and fill with earth, and compaction. Includes cap at top, pins, and installation. Excludes initial site grading, subbase preparation or finish grading.					
32 32 23 13-0002	<b>"Amastone" Type Modular Retaining Wall Systems (32 32 23 13-0001)</b>				
32 32 23 13-0003	SF		Up To 4' Height "Amastone" Type Modular Retaining Wall System..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	59.07 4.31	4.18
32 32 23 13-0004	SF		4 To 8' Height "Amastone" Type Modular Retaining Wall System .....	62.34 4.55	4.40
32 32 23 13-0005	SF		8 To 12' Height "Amastone" Type Modular Retaining Wall System .....	64.43 4.65	4.84
32 32 23 13-0006	SF		12 To 16' Height "Amastone" Type Modular Retaining Wall System .....	66.70 4.77	5.28
32 32 23 13-0007	<b>"Diamond" Type Modular Retaining Wall Systems (32 32 23 13-0001)</b>				
32 32 23 13-0008	SF		Up To 4' Height "Diamond" Type Modular Retaining Wall System .....	61.72 4.54	4.18
32 32 23 13-0009	SF		4 To 8' Height "Diamond" Type Modular Retaining Wall System .....	64.99 4.78	4.40
32 32 23 13-0010	SF		8 To 12' Height "Diamond" Type Modular Retaining Wall System .....	67.08 4.88	4.84
32 32 23 13-0011	SF		12 To 16' Height "Diamond" Type Modular Retaining Wall System .....	69.35 5.00	5.28
32 32 23 13-0012	<b>"Keystone" Type Modular Retaining Wall Systems (32 32 23 13-0001)</b>				
32 32 23 13-0013	SF		Up To 4' Height "Keystone" Type Modular Retaining Wall System..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	68.05 5.07	4.18
32 32 23 13-0014	SF		4 To 8' Height "Keystone" Type Modular Retaining Wall System .....	71.32 5.31	4.40
32 32 23 13-0015	SF		8 To 12' Height "Keystone" Type Modular Retaining Wall System .....	73.41 5.42	4.84
32 32 23 13-0016	SF		12 To 16' Height "Keystone" Type Modular Retaining Wall System .....	75.68 5.54	5.28
32 32 23 13-0017	<b>"Criblock" Type Modular Retaining Wall Systems (32 32 23 13-0001)</b>				
32 32 23 13-0018	SF		Up To 4' Height "Criblock" Type Modular Retaining Wall System..... <i>For &gt;3:1 Sloped Soil At Top, Add</i> <i>For Gravel Backfill Instead Of Earth, Add</i>	59.07 4.31 0.25	4.18
32 32 23 13-0019	SF		4 To 8' Height "Criblock" Type Modular Retaining Wall System .....	62.34 4.55 0.25	4.40
32 32 23 13-0020	SF		8 To 12' Height "Criblock" Type Modular Retaining Wall System .....	64.43 4.65 0.25	4.84
32 32 23 13-0021	SF		12 To 16' Height "Criblock" Type Modular Retaining Wall System .....	66.70 4.77 0.25	5.28

**32 Exterior Improvements****32 30 Site Improvements****32 32 Retaining Walls**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>32 32 23 13-0022 "Versa-Lok" Type Modular Retaining Wall Systems</b> (32 32 23 13-0001)		
32 32 23 13-0023 SF Up To 4' Height "Versa-Lok" Type Modular Retaining Wall System .....	51.03	4.18
For >3:1 Sloped Soil At Top, Add	3.63	
32 32 23 13-0024 SF 4 To 8' Height "Versa-Lok" Type Modular Retaining Wall System .....	56.95	4.40
For >3:1 Sloped Soil At Top, Add	4.09	
32 32 23 13-0025 SF 8 To 12' Height "Versa-Lok" Type Modular Retaining Wall System .....	59.08	4.84
For >3:1 Sloped Soil At Top, Add	4.20	
32 32 23 13-0026 SF 12 To 16' Height "Versa-Lok" Type Modular Retaining Wall System .....	60.86	5.28
For >3:1 Sloped Soil At Top, Add	4.28	
<b>32 32 23 13-0027 Retaining Wall Cap Block Restoration</b> (32 32 23 13-0001)		
Note: Includes removal of existing cap block and installation of new cap block to match.		
32 32 23 13-0028 LF Removal And Reinstall Retaining Wall Cap Block And Pins .....	19.94	
For >3:1 Sloped Soil At Top, Add	1.27	
<b>32 32 26 Metal Crib Retaining Walls</b> (32 32)		
<b>32 32 26 00-0001 Bin Type Retaining Wall</b> (32 32 26)		
<b>32 32 26 00-0002 Vertical Bin Walls</b> (32 32 26 00-0001)		
Note: Excludes excavation and backfill.		
32 32 26 00-0003 SF 5.5' Vertical Bin Retaining Wall, Wall Heights To 11' .....	41.83	
32 32 26 00-0004 SF 7.7' Vertical Bin Retaining Wall, Wall Heights, 8.33' To 16.33' .....	49.66	
32 32 26 00-0005 SF 9.9' Vertical Bin Retaining Wall, Wall Heights, 13.67' To 21.67' .....	57.87	
32 32 26 00-0006 SF 12.1' Vertical Bin Retain Wall, Wall Heights 17.67' To 25.67' .....	62.57	
32 32 26 00-0007 SF 14.3' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33' .....	69.87	
32 32 26 00-0008 SF 16.5' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33' .....	74.57	
<b>32 32 26 00-0009 Battered Bin Walls</b> (32 32 26 00-0001)		
Note: Excludes excavation and backfill.		
32 32 26 00-0010 SF 5.5' Battered Bin Retain Wall, Wall Heights To 11' .....	37.07	
32 32 26 00-0011 SF 7.7' Battered Bin Retain Wall, Wall Heights 8.33' To 16.33' .....	40.20	
32 32 26 00-0012 SF 9.9' Battered Bin Retain Wall, Wall Heights 13.67' To 21.67' .....	45.24	
32 32 26 00-0013 SF 12.1' Battered Bin Retain Wall, Wall Heights 17.67' To 25.67' .....	50.72	
32 32 26 00-0014 SF 14.3' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33' .....	59.36	
32 32 26 00-0015 SF 16.5' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33' .....	60.92	
<b>32 32 26 00-0016 Aluminized Steel Bin</b> (32 32 26)		
Note: Excludes excavation and backfill.		
32 32 26 00-0017 SF 4' High, 5.5' Deep Aluminized Steel Bin .....	20.06	2.82
For >3:1 Sloped Soil At Top, Add	1.23	
For Galvanized Type, Deduct	-1.44	
32 32 26 00-0018 SF 8' High, 5.5' Deep Aluminized Steel Bin .....	22.31	2.82
For >3:1 Sloped Soil At Top, Add	1.41	
For Galvanized Type, Deduct	-1.66	
32 32 26 00-0019 SF 10' High, 7.7' Deep Aluminized Steel Bin .....	23.84	3.07
For >3:1 Sloped Soil At Top, Add	1.51	
For Galvanized Type, Deduct	-1.77	
32 32 26 00-0020 SF 12' High, 7.7' Deep Aluminized Steel Bin .....	27.14	3.48
For >3:1 Sloped Soil At Top, Add	1.72	
For Galvanized Type, Deduct	-2.02	
32 32 26 00-0021 SF 16' High, 7.7' Deep Aluminized Steel Bin .....	26.26	3.60
For >3:1 Sloped Soil At Top, Add	1.62	
For Galvanized Type, Deduct	-1.91	
32 32 26 00-0022 SF 16' High, 9.9' Deep Aluminized Steel Bin .....	29.10	3.67
For >3:1 Sloped Soil At Top, Add	1.85	
For Galvanized Type, Deduct	-2.18	
32 32 26 00-0023 SF 20' High, 9.9' Deep Aluminized Steel Bin .....	32.20	3.87
For >3:1 Sloped Soil At Top, Add	2.07	
For Galvanized Type, Deduct	-2.44	
32 32 26 00-0024 SF 20' High, 12.1' Deep Aluminized Steel Bin .....	32.99	4.06
For >3:1 Sloped Soil At Top, Add	2.12	
For Galvanized Type, Deduct	-2.49	
32 32 26 00-0025 SF 24' High, 12.1' Deep Aluminized Steel Bin .....	34.62	4.06
For >3:1 Sloped Soil At Top, Add	2.25	
For Galvanized Type, Deduct	-2.65	
32 32 26 00-0026 SF 24' High, 14.3' Deep Aluminized Steel Bin .....	36.24	4.13
For >3:1 Sloped Soil At Top, Add	2.38	
For Galvanized Type, Deduct	-2.81	
32 32 26 00-0027 SF 28' High, 14.3' Deep Aluminized Steel Bin .....	37.42	4.20
For >3:1 Sloped Soil At Top, Add	2.47	
For Galvanized Type, Deduct	-2.91	
<b>32 32 29 Timber Retaining Walls</b> (32 32)		
<b>32 32 29 00-0001 Wood Post Retaining Walls</b> (32 32 29)		
Note: System elements include wood posts installed side-by-side to various heights, and underdrain. Excludes initial site grading, subbase preparation or finish grading.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0002 LF 4" x 4", 1' High, Redwood, Wood Post Retaining Walls..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	42.16 1.68	11.19
32 32 29 00-0003 LF 4" x 4", 2' High, Redwood, Wood Post Retaining Walls..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	82.43 3.28	21.92
32 32 29 00-0004 LF 4" x 4", 1' High, Cedar, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	39.63 1.47	11.19
32 32 29 00-0005 LF 4" x 4", 2' High, Cedar, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	77.51 2.87	21.92
32 32 29 00-0006 LF 4" x 4", 1' High, Pressure Treated Lumber, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	54.81 2.99	9.78
32 32 29 00-0007 LF 4" x 4", 2' High, Pressure Treated Lumber, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	107.42 5.88	19.12
32 32 29 00-0008 LF 4" x 4", 1' High, Creosoted Lumber, Wood Post Retaining Walls..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	34.09 1.42	8.68
32 32 29 00-0009 LF 4" x 4", 2' High, Creosoted Lumber, Wood Post Retaining Walls..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	61.62 2.57	15.71
32 32 29 00-0010 LF 6" x 6", 2' High, Redwood, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	117.72 5.49	26.54
32 32 29 00-0011 LF 6" x 6", 4' High, Redwood, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	233.28 10.99	52.03
32 32 29 00-0012 LF 6" x 6", 2' High, Cedar, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	114.91 5.26	26.54
32 32 29 00-0013 LF 6" x 6", 4' High, Cedar, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	226.26 10.39	52.03
32 32 29 00-0014 LF 6" x 6", 2' High, Pressure Treated Lumber, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	155.33 9.54	21.56
32 32 29 00-0015 LF 6" x 6", 4' High, Pressure Treated Lumber, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	309.56 19.07	42.56
32 32 29 00-0016 LF 6" x 6", 2' High, Creosoted Lumber, Wood Post Retaining Walls..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	82.98 4.12	17.24
32 32 29 00-0017 LF 6" x 6", 4' High, Creosoted Lumber, Wood Post Retaining Walls..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	163.71 8.18	33.73
32 32 29 00-0018 LF 8" x 8", 4' High, Redwood, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	307.57 16.36	57.53
32 32 29 00-0019 LF 8" x 8", 6' High, Redwood, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	575.88 30.70	107.39
32 32 29 00-0020 LF 8" x 8", 4' High, Cedar, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	293.52 15.17	57.53
32 32 29 00-0021 LF 8" x 8", 6' High, Cedar, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	549.18 28.43	107.39
32 32 29 00-0022 LF 8" x 8", 4' High, Pressure Treated Lumber, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	398.88 22.62	66.37
32 32 29 00-0023 LF 8" x 8", 6' High, Pressure Treated Lumber, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	743.63 42.14	123.92
32 32 29 00-0024 LF 8" x 8", 4' High, Creosoted Lumber, Wood Post Retaining Walls..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	223.19 9.85	53.64
32 32 29 00-0025 LF 8" x 8", 6' High, Creosoted Lumber, Wood Post Retaining Walls..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	413.96 18.27	99.50
32 32 29 00-0026 LF 4' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	79.37 2.99	22.11
32 32 29 00-0027 LF 6' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	118.36 4.42	33.18
32 32 29 00-0028 LF 8' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	157.30 5.85	44.21
32 32 29 00-0029 LF 4' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	59.43 2.93	12.49
32 32 29 00-0030 LF 6' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	86.64 4.30	18.03
32 32 29 00-0031 LF 8' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	117.51 5.85	24.34

**32 32 29 00-0032 Wood Tie Retaining Walls, Rod Connector At 4'** (32 32 29)

Note: The system includes all the elements that must go into a wall that resists lateral pressure. System elements include: wood ties, threaded rod (1/2" diameter), underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.

**32 32 29 00-0033 Redwood** (32 32 29 00-0032)

32 32 29 00-0034 LF 2' High, 6" x 6" Wood Tie Wall..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	60.92 2.87	13.59
32 32 29 00-0035 LF 4' High, 6" x 6" Wood Tie Wall Deadman At 6'..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	139.21 6.57	30.98
32 32 29 00-0036 LF 6' High, 6" x 6" Wood Tie Wall Deadman At 6'..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	208.15 9.79	46.45
32 32 29 00-0037 LF 4' High, 8" x 8" Wood Tie Wall Deadman At 6'..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	213.12 11.35	39.81
32 32 29 00-0038 LF 6' High, 8" x 8" Wood Tie Wall Deadman At 6'..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	320.42 17.08	59.72
32 32 29 00-0039 LF 8' High, 8" x 8" Wood Tie Wall Deadman At 6'..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	424.03 22.69	78.53

**32 32 29 00-0040 Cedar** (32 32 29 00-0032)



**32 Exterior Improvements****32 30 Site Improvements****32 32 Retaining Walls**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0041	LF	2'	High, 6" x 6" Wood Tie Wall .....	59.52	13.59
			<i>For &gt;3:1 Sloped Soil At Top, Add</i> .....	2.75	
32 32 29 00-0042	LF	4'	High, 6" x 6" Wood Tie Wall Deadman At 6' .....	135.00	30.98
			<i>For &gt;3:1 Sloped Soil At Top, Add</i> .....	6.21	
32 32 29 00-0043	LF	6'	High, 6" x 6" Wood Tie Wall Deadman At 6' .....	202.53	46.45
			<i>For &gt;3:1 Sloped Soil At Top, Add</i> .....	9.32	
32 32 29 00-0044	LF	4'	High, 8" x 8" Wood Tie Wall Deadman At 6' .....	203.28	39.81
			<i>For &gt;3:1 Sloped Soil At Top, Add</i> .....	10.51	
32 32 29 00-0045	LF	6'	High, 8" x 8" Wood Tie Wall Deadman At 6' .....	306.36	59.72
			<i>For &gt;3:1 Sloped Soil At Top, Add</i> .....	15.88	
32 32 29 00-0046	LF	8'	High, 8" x 8" Wood Tie Wall Deadman At 6' .....	404.35	78.53
			<i>For &gt;3:1 Sloped Soil At Top, Add</i> .....	21.02	
<b>32 32 29 00-0047</b>			<b>Creosoted Wood</b> <small>(32 32 29 00-0032)</small>		
32 32 29 00-0048	LF	2'	High, 6" x 8" Wood Tie Wall .....	60.01	18.03
			<i>For &gt;3:1 Sloped Soil At Top, Add</i> .....	2.04	
32 32 29 00-0049	LF	4'	High, 6" x 8" Wood Tie Wall Deadman At 6' .....	137.06	41.47
			<i>For &gt;3:1 Sloped Soil At Top, Add</i> .....	4.60	
32 32 29 00-0050	LF	6'	High, 6" x 8" Wood Tie Wall Deadman At 6' .....	203.55	61.37
			<i>For &gt;3:1 Sloped Soil At Top, Add</i> .....	6.87	
32 32 29 00-0051	LF	4'	High, 7" x 9" Wood Tie Wall Deadman At 6' .....	275.19	83.48
			<i>For &gt;3:1 Sloped Soil At Top, Add</i> .....	9.20	
32 32 29 00-0052	LF	6'	High, 7" x 9" Wood Tie Wall Deadman At 6' .....	400.59	121.61
			<i>For &gt;3:1 Sloped Soil At Top, Add</i> .....	13.38	
32 32 29 00-0053	LF	8'	High, 7" x 9" Wood Tie Wall Deadman At 6' .....	531.85	161.23
			<i>For &gt;3:1 Sloped Soil At Top, Add</i> .....	17.80	
<b>32 32 29 00-0054</b>			<b>Pressure Treated Wood</b> <small>(32 32 29 00-0032)</small>		
32 32 29 00-0055	LF	2'	High, 6" x 6" Wood Tie Wall .....	54.15	11.23
			<i>For &gt;3:1 Sloped Soil At Top, Add</i> .....	2.69	
32 32 29 00-0056	LF	4'	High, 6" x 6" Wood Tie Wall Deadman At 6' .....	123.23	25.45
			<i>For &gt;3:1 Sloped Soil At Top, Add</i> .....	6.15	
32 32 29 00-0057	LF	6'	High, 6" x 6" Wood Tie Wall Deadman At 6' .....	184.51	38.17
			<i>For &gt;3:1 Sloped Soil At Top, Add</i> .....	9.20	
32 32 29 00-0058	LF	4'	High, 8" x 8" Wood Tie Wall Deadman At 6' .....	190.83	45.90
			<i>For &gt;3:1 Sloped Soil At Top, Add</i> .....	8.42	
32 32 29 00-0059	LF	6'	High, 8" x 8" Wood Tie Wall Deadman At 6' .....	287.51	68.60
			<i>For &gt;3:1 Sloped Soil At Top, Add</i> .....	12.78	
32 32 29 00-0060	LF	8'	High, 8" x 8" Wood Tie Wall Deadman At 6' .....	380.53	91.22
			<i>For &gt;3:1 Sloped Soil At Top, Add</i> .....	16.84	
<b>32 32 29 00-0061</b>			<b>Post And Board Retaining Walls</b> <small>(32 32 29)</small>		
			Note: System includes all the elements that must go into a wall that resists lateral pressure. System elements include posts and boards, cap, underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.		
32 32 29 00-0062	LF	4" x 4"	Post, 4' Spacing, 3' High, 2" Planking, Redwood, Post And Board Retaining Walls .....	38.77	6.64
			<i>For &gt;3:1 Sloped Soil At Top, Add</i> .....	2.17	
32 32 29 00-0063	LF	4" x 4"	Post, 2' Spacing, 4' High, 2" Planking, Redwood, Post And Board Retaining Walls .....	57.10	11.35
			<i>For &gt;3:1 Sloped Soil At Top, Add</i> .....	2.93	
32 32 29 00-0064	LF	6" x 6"	Post, 4' Spacing, 5' High, 2" Planking, Redwood, Post And Board Retaining Walls .....	76.69	14.09
			<i>For &gt;3:1 Sloped Soil At Top, Add</i> .....	4.12	
32 32 29 00-0065	LF	6" x 6"	Post, 3' Spacing, 6' High, 2" Planking, Redwood, Post And Board Retaining Walls .....	106.67	19.99
			<i>For &gt;3:1 Sloped Soil At Top, Add</i> .....	5.67	
32 32 29 00-0066	LF	6" x 6"	With Deadman, 3' Spacing, 8' High, 2" Planking, Redwood, Post And Board Retaining Walls .....	139.80	25.99
			<i>For &gt;3:1 Sloped Soil At Top, Add</i> .....	7.46	
32 32 29 00-0067	LF	8" x 8"	Post, 2' Spacing, 8' High, 2" Planking, Redwood, Post And Board Retaining Walls .....	291.16	51.44
			<i>For &gt;3:1 Sloped Soil At Top, Add</i> .....	16.00	
32 32 29 00-0068	LF	8" x 8"	With Deadman, 2' Spacing, 9' High, 2" Planking, Redwood, Post And Board Retaining Walls .....	331.72	56.97
			<i>For &gt;3:1 Sloped Soil At Top, Add</i> .....	18.51	
32 32 29 00-0069	LF	4" x 4"	Post, 4' Spacing, 3' High, 2" Planking, Cedar, Post And Board Retaining Walls .....	38.97	6.91
			<i>For &gt;3:1 Sloped Soil At Top, Add</i> .....	2.14	
32 32 29 00-0070	LF	4" x 4"	With Deadman, 2' Spacing, 4' High, 2" Planking, Cedar, Post And Board Retaining Walls .....	68.12	12.29
			<i>For &gt;3:1 Sloped Soil At Top, Add</i> .....	3.70	
32 32 29 00-0071	LF	6" x 6"	Post, 4' Spacing, 4' High, 2" Planking, Cedar, Post And Board Retaining Walls .....	66.98	12.06
			<i>For &gt;3:1 Sloped Soil At Top, Add</i> .....	3.64	
32 32 29 00-0072	LF	6" x 6"	Post, 3' Spacing, 5' High, 2" Planking, Cedar, Post And Board Retaining Walls .....	92.93	17.31
			<i>For &gt;3:1 Sloped Soil At Top, Add</i> .....	4.96	
32 32 29 00-0073	LF	6" x 6"	Post, 2' Spacing, 6' High, 2" Planking, Cedar, Post And Board Retaining Walls .....	143.12	27.65
			<i>For &gt;3:1 Sloped Soil At Top, Add</i> .....	7.46	
32 32 29 00-0074	LF	6" x 6"	Post With Deadman, 3' Spacing, 6' High, 2" Planking, Cedar .....	114.84	21.24
			<i>For &gt;3:1 Sloped Soil At Top, Add</i> .....	6.15	
32 32 29 00-0075	LF	8" x 8"	Post With Deadman, 2' Spacing, 8' High, 2" Planking, Cedar .....	301.48	53.08
			<i>For &gt;3:1 Sloped Soil At Top, Add</i> .....	16.60	
32 32 29 00-0076	LF	4" x 4"	Post, 4' Spacing, 3' High, 2" Planking, Pressure Treated .....	39.96	12.76
			<i>For &gt;3:1 Sloped Soil At Top, Add</i> .....	1.22	
32 32 29 00-0077	LF	4" x 4"	Post, 3' Spacing, 4' High, 2" Planking, Pressure Treated .....	58.55	18.15
			<i>For &gt;3:1 Sloped Soil At Top, Add</i> .....	1.89	
32 32 29 00-0078	LF	4" x 4"	Post With Deadman, 2' Space, 5' High, 2" Planking, Pressure Treat .....	88.41	24.90
			<i>For &gt;3:1 Sloped Soil At Top, Add</i> .....	3.28	
32 32 29 00-0079	LF	6" x 6"	Post, 3' Spacing, 6' High, 2" Planking, Pressure Treated .....	159.23	42.01
			<i>For &gt;3:1 Sloped Soil At Top, Add</i> .....	6.39	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Retaining Walls	32 32	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0080	LF		6 x 6 Post, 2' Spacing, 7' High, 2" Planking, Pressure Treated.....	162.74	42.01
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	6.69	
32 32 29 00-0081	LF		6 x 6 Post With Deadman, 3' Spacing 8' High, 2" Planking, Pressure Treat .....	151.01	40.37
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.97	
32 32 29 00-0082	LF		8 x 8 Post With Deadman, 2' Spacing 10' High, 2" Planking, Pressure Treated .....	359.95	92.86
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	14.81	
32 32 29 00-0083	LF		4 x 4 Post, 4' Spacing, 3' High Creosoted 2" Planking.....	39.96	12.76
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	1.22	
32 32 29 00-0084	LF		4 x 4 Post, 3' Spacing, 4' High Creosoted, 2" Planking.....	58.55	18.15
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	1.89	
32 32 29 00-0085	LF		4 x 4 Post With Deadman, 2' Spacing, 5' High, Creosoted, 2" Planking .....	88.41	24.90
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.28	
32 32 29 00-0086	LF		6 x 6 Post, 3' Spacing, 6' High Creosoted, 2" Planking.....	111.81	30.98
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.24	
32 32 29 00-0087	LF		6" x 6" Post, 2' Spacing, 7' High, 2" Planking, Creosoted, Post And Board Retaining Walls .....	159.23	42.01
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	6.39	
32 32 29 00-0088	LF		6" x 6" Post With Deadman, 3' Spacing, 8' High, 2" Planking, Creosoted, Post And Board Retaining Walls.....	151.01	40.37
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.97	
32 32 29 00-0089	LF		8" x 8" Post With Deadman, 2' Spacing, 10' High, Creosoted, 2" Planking, Post And Board Retaining Walls.....	359.95	92.86
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	14.81	

**32 32 53 Stone Retaining Walls (32 32)**

**32 32 53 00-0001 Stone Retaining Walls (32 32 53)**

Note: Construction is either dry set or mortar set. System elements include concrete base, crushed stone, underdrain, and backfill. Standard design to have 12" thick top with vertical backside and sloped face at 2" per foot of height. Excludes initial site grading, subbase preparation or finish grading.

**32 32 53 00-0002 Stone Retaining Walls (32 32 53 00-0001)**

Note: Stone at \$16.00/ton.

32 32 53 00-0003	LF		\$16.00/ton 3' High Stone Retaining Wall, Dry Set .....	226.58	99.04
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	2.42	
32 32 53 00-0004	LF		\$16.00/ton 4' High Stone Retaining Wall, Dry Set .....	266.80	117.82
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	2.65	
32 32 53 00-0005	LF		\$16.00/ton 6' High Stone Retaining Wall, Dry Set .....	349.49	156.54
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.09	
32 32 53 00-0006	LF		\$16.00/ton 8' High Stone Retaining Wall, Dry Set .....	536.57	244.77
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.00	
32 32 53 00-0007	LF		\$16.00/ton 10' High Stone Retaining Wall, Dry Set .....	696.00	320.18
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.73	
32 32 53 00-0008	LF		\$16.00/ton 12' High Stone Retaining Wall, Dry Set .....	863.01	398.71
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.57	
32 32 53 00-0009	LF		\$16.00/ton 3' High Stone Retaining Wall, Mortar Set.....	203.85	87.69
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	2.42	
32 32 53 00-0010	LF		\$16.00/ton 4' High Stone Retaining Wall, Mortar Set.....	238.64	103.75
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	2.65	
32 32 53 00-0011	LF		\$16.00/ton 6' High Stone Retaining Wall, Mortar Set.....	307.93	135.73
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.09	
32 32 53 00-0012	LF		\$16.00/ton 8' High Stone Retaining Wall, Mortar Set.....	469.66	211.33
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.00	
32 32 53 00-0013	LF		\$16.00/ton 10' High Stone Retaining Wall, Mortar Set.....	602.15	273.27
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.73	
32 32 53 00-0014	LF		\$16.00/ton 12' High Stone Retaining Wall, Mortar Set.....	747.24	340.86
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.57	

**32 32 53 00-0015 Stone Retaining Walls (32 32 53 00-0001)**

Note: Stone at \$32.00/ton.

32 32 53 00-0016	LF		\$32.00/ton 3' High Stone Retaining Wall, Dry Set .....	235.19	99.04
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.15	
32 32 53 00-0017	LF		\$32.00/ton 4' High Stone Retaining Wall, Dry Set .....	278.72	117.82
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.66	
32 32 53 00-0018	LF		\$32.00/ton 6' High Stone Retaining Wall, Dry Set .....	366.71	156.54
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.56	
32 32 53 00-0019	LF		\$32.00/ton 8' High Stone Retaining Wall, Dry Set .....	561.73	244.77
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	6.13	
32 32 53 00-0020	LF		\$32.00/ton 10' High Stone Retaining Wall, Dry Set .....	730.42	320.18
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	7.65	
32 32 53 00-0021	LF		\$32.00/ton 12' High Stone Retaining Wall, Dry Set .....	906.70	398.71
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	9.29	
32 32 53 00-0022	LF		\$32.00/ton 3' High Stone Retaining Wall, Mortar Set.....	212.46	87.69
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.15	
32 32 53 00-0023	LF		\$32.00/ton 4' High Stone Retaining Wall, Mortar Set.....	250.56	103.75
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.66	
32 32 53 00-0024	LF		\$32.00/ton 6' High Stone Retaining Wall, Mortar Set.....	325.15	135.73
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.56	
32 32 53 00-0025	LF		\$32.00/ton 8' High Stone Retaining Wall, Mortar Set.....	494.82	211.33
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	6.13	
32 32 53 00-0026	LF		\$32.00/ton 10' High Stone Retaining Wall, Mortar Set.....	636.57	273.27
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	7.65	
32 32 53 00-0027	LF		\$32.00/ton 12' High Stone Retaining Wall, Mortar Set.....	790.93	340.86
			<i>For &gt;3:1 Sloped Soil At Top, Add</i>	9.29	

**32 Exterior Improvements****32 30 Site Improvements****32 32 Retaining Walls**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 53 00-0028			<b>Stone Retaining Walls</b> (32 32 53 00-0001) Note: Stone at \$48.00/ton.		
32 32 53 00-0029	LF		\$48.00/ton 3' High Stone Retaining Wall, Dry Set.....	244.46	99.04
			For >3:1 Sloped Soil At Top, Add	3.94	
32 32 53 00-0030	LF		\$48.00/ton 4' High Stone Retaining Wall, Dry Set.....	290.50	117.82
			For >3:1 Sloped Soil At Top, Add	4.66	
32 32 53 00-0031	LF		\$48.00/ton 6' High Stone Retaining Wall, Dry Set.....	383.26	156.54
			For >3:1 Sloped Soil At Top, Add	5.97	
32 32 53 00-0032	LF		\$48.00/ton 8' High Stone Retaining Wall, Dry Set.....	586.89	244.77
			For >3:1 Sloped Soil At Top, Add	8.27	
32 32 53 00-0033	LF		\$48.00/ton 10' High Stone Retaining Wall, Dry Set.....	764.85	320.18
			For >3:1 Sloped Soil At Top, Add	10.58	
32 32 53 00-0034	LF		\$48.00/ton 12' High Stone Retaining Wall, Dry Set.....	951.06	398.71
			For >3:1 Sloped Soil At Top, Add	13.06	
32 32 53 00-0035	LF		\$48.00/ton 3' High Stone Retaining Wall, Mortar Set.....	221.73	87.69
			For >3:1 Sloped Soil At Top, Add	3.94	
32 32 53 00-0036	LF		\$48.00/ton 4' High Stone Retaining Wall, Mortar Set.....	262.47	103.75
			For >3:1 Sloped Soil At Top, Add	4.67	
32 32 53 00-0037	LF		\$48.00/ton 6' High Stone Retaining Wall, Mortar Set.....	341.70	135.73
			For >3:1 Sloped Soil At Top, Add	5.97	
32 32 53 00-0038	LF		\$48.00/ton 8' High Stone Retaining Wall, Mortar Set.....	519.98	211.33
			For >3:1 Sloped Soil At Top, Add	8.27	
32 32 53 00-0039	LF		\$48.00/ton 10' High Stone Retaining Wall, Mortar Set.....	671.00	273.27
			For >3:1 Sloped Soil At Top, Add	10.58	
32 32 53 00-0040	LF		\$48.00/ton 12' High Stone Retaining Wall, Mortar Set.....	835.29	340.86
			For >3:1 Sloped Soil At Top, Add	13.06	
32 32 53 00-0041			<b>Stone Retaining Walls</b> (32 32 53 00-0001) Note: Stone at \$64.00/ton.		
32 32 53 00-0042	LF		\$64.00/ton 3' High Stone Retaining Wall, Dry Set.....	253.73	99.04
			For >3:1 Sloped Soil At Top, Add	4.73	
32 32 53 00-0043	LF		\$64.00/ton 4' High Stone Retaining Wall, Dry Set.....	289.31	117.82
			For >3:1 Sloped Soil At Top, Add	4.56	
32 32 53 00-0044	LF		\$64.00/ton 6' High Stone Retaining Wall, Dry Set.....	401.14	156.54
			For >3:1 Sloped Soil At Top, Add	7.49	
32 32 53 00-0045	LF		\$64.00/ton 8' High Stone Retaining Wall, Dry Set.....	613.37	244.77
			For >3:1 Sloped Soil At Top, Add	10.52	
32 32 53 00-0046	LF		\$64.00/ton 10' High Stone Retaining Wall, Dry Set.....	800.61	320.18
			For >3:1 Sloped Soil At Top, Add	13.62	
32 32 53 00-0047	LF		\$64.00/ton 12' High Stone Retaining Wall, Dry Set.....	996.09	398.71
			For >3:1 Sloped Soil At Top, Add	16.88	
32 32 53 00-0048	LF		\$64.00/ton 3' High Stone Retaining Wall, Mortar Set.....	231.00	87.69
			For >3:1 Sloped Soil At Top, Add	4.73	
32 32 53 00-0049	LF		\$64.00/ton 4' High Stone Retaining Wall, Mortar Set.....	274.39	103.75
			For >3:1 Sloped Soil At Top, Add	5.68	
32 32 53 00-0050	LF		\$64.00/ton 6' High Stone Retaining Wall, Mortar Set.....	359.58	135.73
			For >3:1 Sloped Soil At Top, Add	7.49	
32 32 53 00-0051	LF		\$64.00/ton 8' High Stone Retaining Wall, Mortar Set.....	546.46	211.33
			For >3:1 Sloped Soil At Top, Add	10.52	
32 32 53 00-0052	LF		\$64.00/ton 10' High Stone Retaining Wall, Mortar Set.....	706.76	273.27
			For >3:1 Sloped Soil At Top, Add	13.62	
32 32 53 00-0053	LF		\$64.00/ton 12' High Stone Retaining Wall, Mortar Set.....	880.32	340.86
			For >3:1 Sloped Soil At Top, Add	16.88	
<b>32 33 Site Furnishings</b> (32 30)					
<b>32 33 13 Site Bicycle Racks</b> (32 33)					
32 33 13 00-0001			<b>Bicycle Organizer And Rack</b> (32 33 13)		
32 33 13 00-0002			<b>Vertical Style Bike Racks Single/Double Sided, Galvanized</b> (32 33 13 00-0001)		
32 33 13 00-0003			<b>Double Sided</b> (32 33 13 00-0002)		
32 33 13 00-0004	EA		5' Galvanized Steel Double Sided Bike Rack, 9 Bikes.....	436.10	55.02
32 33 13 00-0005	EA		10' Galvanized Steel Double Sided Bike Rack, 18 Bikes.....	651.32	90.37
32 33 13 00-0006	EA		20' Galvanized Steel Double Sided Bike Rack, 36 Bikes.....	1,137.16	137.54
32 33 13 00-0007			<b>Single Sided</b> (32 33 13 00-0002)		
32 33 13 00-0008	EA		5' Galvanized Steel Single Sided Bike Rack, 5 Bikes.....	381.08	49.12
32 33 13 00-0009	EA		10' Galvanized Steel Single Sided Bike Rack, 9 Bikes.....	530.25	81.74
32 33 13 00-0010	EA		20' Galvanized Steel Single Sided Bike Rack, 18 Bikes.....	920.72	122.80
32 33 13 00-0011			<b>Anchor Set For Vertical Style Bike Rack</b> (32 33 13 00-0002)		
32 33 13 00-0012	PR		Anchor Set For Vertical Style Bike Rack.....	60.85	
			Note: Anchoring frame to ground.		
32 33 13 00-0013			<b>Bike Racks Ground Loop</b> (32 33 13 00-0001) Note: In-ground mount.		



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Site Furnishings	32 33	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 13 00-0014 EA 83" Ground Loop Bike Rack, Surface Or Wall Mounted, 12 Bikes.....	540.86	96.39
<b>32 33 13 00-0015 Serpentine Bike Racks (32 33 13 00-0001)</b>		
Note: In-ground mount.		
<b>32 33 13 00-0016 Galvanized, 36" High, 2-3/8" OD Tubing (32 33 13 00-0015)</b>		
32 33 13 00-0017 EA 1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Galvanized.....	290.93	58.94
32 33 13 00-0018 EA 3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Galvanized.....	411.88	63.86
32 33 13 00-0019 EA 5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Galvanized.....	532.83	68.77
32 33 13 00-0020 EA 7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Galvanized.....	669.65	73.68
32 33 13 00-0021 EA 9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Galvanized.....	806.48	78.59
32 33 13 00-0022 EA 11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Galvanized.....	879.81	83.50
<b>32 33 13 00-0023 Galvanized, 42" High, 2-3/8" OD Tubing (32 33 13 00-0015)</b>		
32 33 13 00-0024 EA 1' x 42" High Serpentine Bike Rack, 3 Bikes, Galvanized.....	337.47	58.94
32 33 13 00-0025 EA 3' x 42" High Serpentine Bike Rack, 5 Bikes, Galvanized.....	445.43	63.86
32 33 13 00-0026 EA 5' x 42" High Serpentine Bike Rack, 7 Bikes, Galvanized.....	553.40	68.77
32 33 13 00-0027 EA 7' x 42" High Serpentine Bike Rack, 9 Bikes, Galvanized.....	649.09	73.68
32 33 13 00-0028 EA 9' x 42" High Serpentine Bike Rack, 11 Bikes, Galvanized.....	757.05	78.59
32 33 13 00-0029 EA 11' x 42" High Serpentine Bike Rack, 13 Bikes, Galvanized.....	889.55	83.50
32 33 13 00-0030 EA 13' x 42" High Serpentine Bike Rack, 15 Bikes, Galvanized.....	1,058.84	98.24
32 33 13 00-0031 EA 15' x 42" High Serpentine Bike Rack, 17 Bikes, Galvanized.....	1,240.41	93.33
32 33 13 00-0032 EA 17' x 42" High Serpentine Bike Rack, 19 Bikes, Galvanized.....	1,409.71	98.24
<b>32 33 13 00-0033 Powder Coated, 36" High, 2-3/8" OD Tubing (32 33 13 00-0015)</b>		
32 33 13 00-0034 EA 1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Powder Coated.....	290.93	58.94
32 33 13 00-0035 EA 3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Powder Coated.....	411.88	63.86
32 33 13 00-0036 EA 5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Powder Coated.....	532.83	68.77
32 33 13 00-0037 EA 7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Powder Coated.....	669.65	73.68
32 33 13 00-0038 EA 9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Powder Coated.....	806.48	78.59
32 33 13 00-0039 EA 11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Powder Coated.....	879.81	83.50
<b>32 33 13 00-0040 Powder Coated, 42" High, 2-3/8" OD Tubing (32 33 13 00-0015)</b>		
32 33 13 00-0041 EA 1' x 42" High Serpentine Bike Rack, 3 Bikes, Powder Coated.....	349.74	58.94
32 33 13 00-0042 EA 3' x 42" High Serpentine Bike Rack, 5 Bikes, Powder Coated.....	469.96	63.86
32 33 13 00-0043 EA 5' x 42" High Serpentine Bike Rack, 7 Bikes, Powder Coated.....	577.93	68.77
32 33 13 00-0044 EA 7' x 42" High Serpentine Bike Rack, 9 Bikes, Powder Coated.....	710.42	73.68
32 33 13 00-0045 EA 9' x 42" High Serpentine Bike Rack, 11 Bikes, Powder Coated.....	818.38	78.59
32 33 13 00-0046 EA 11' x 42" High Serpentine Bike Rack, 13 Bikes, Powder Coated.....	963.15	83.50
32 33 13 00-0047 EA 13' x 42" High Serpentine Bike Rack, 15 Bikes, Powder Coated.....	1,156.98	98.24
32 33 13 00-0048 EA 15' x 42" High Serpentine Bike Rack, 17 Bikes, Powder Coated.....	1,350.82	93.33
32 33 13 00-0049 EA 17' x 42" High Serpentine Bike Rack, 19 Bikes, Powder Coated.....	1,532.38	98.24
<b>32 33 13 00-0050 Stainless Steel, 36" High, 2-3/8" OD Tubing (32 33 13 00-0015)</b>		
32 33 13 00-0051 EA 1' x 36" High Serpentine Bike Rack, 3 Bikes, Stainless Steel.....	603.66	58.94
32 33 13 00-0052 EA 3' x 36" High Serpentine Bike Rack, 5 Bikes, Stainless Steel.....	925.42	63.86
32 33 13 00-0053 EA 5' x 36" High Serpentine Bike Rack, 7 Bikes, Stainless Steel.....	1,247.22	68.77
32 33 13 00-0054 EA 7' x 36" High Serpentine Bike Rack, 9 Bikes, Stainless Steel.....	1,613.56	73.68
32 33 13 00-0055 EA 9' x 36" High Serpentine Bike Rack, 11 Bikes, Stainless Steel.....	1,979.90	78.59
32 33 13 00-0056 EA 11' x 36" High Serpentine Bike Rack, 13 Bikes, Stainless Steel.....	2,167.99	83.50
<b>32 33 13 00-0057 Stainless Steel, 42" High, 2-3/8" OD Tubing (32 33 13 00-0015)</b>		
32 33 13 00-0058 EA 1' x 42" High Serpentine Bike Rack, 3 Bikes, Stainless Steel.....	460.14	58.94
32 33 13 00-0059 EA 3' x 42" High Serpentine Bike Rack, 5 Bikes, Stainless Steel.....	1,083.32	63.86
32 33 13 00-0060 EA 5' x 42" High Serpentine Bike Rack, 7 Bikes, Stainless Steel.....	1,436.64	68.77
32 33 13 00-0061 EA 7' x 42" High Serpentine Bike Rack, 9 Bikes, Stainless Steel.....	1,765.40	73.68
32 33 13 00-0062 EA 9' x 42" High Serpentine Bike Rack, 11 Bikes, Stainless Steel.....	2,106.44	78.59
32 33 13 00-0063 EA 11' x 42" High Serpentine Bike Rack, 13 Bikes, Stainless Steel.....	2,459.75	83.50
32 33 13 00-0064 EA 13' x 42" High Serpentine Bike Rack, 15 Bikes, Stainless Steel.....	2,763.98	98.24
32 33 13 00-0065 EA 15' x 42" High Serpentine Bike Rack, 17 Bikes, Stainless Steel.....	3,190.90	93.33
32 33 13 00-0066 EA 17' x 42" High Serpentine Bike Rack, 19 Bikes, Stainless Steel.....	3,665.53	98.24
<b>32 33 13 00-0067 Bike Racks Bollards/Bicycle Posts (32 33 13 00-0001)</b>		
Note: In-ground mount.		
32 33 13 00-0068 EA 43" Overall Height, 4-1/2" Outside Diameter Bollard/Bicycle Post, 2 Loop Galvanized Steel Bollard (Belson BOL450-2R-IG-G).....	329.67	44.21
<b>32 33 23 Site Trash and Litter Receptacles (32 33)</b>		
<b>32 33 23 00-0001 Steel Trash Containment (32 33 23)</b>		
<b>32 33 23 00-0002 Steel Frame Surrounded With Kiln-Dried Wood (32 33 23 00-0001)</b>		
32 33 23 00-0003 EA 13" x 13" x 30" Ash Receptacle Steel Frame, Kiln Dried Wood.....	289.73	23.38

**32 Exterior Improvements****32 30 Site Improvements****32 33 Site Furnishings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 23 00-0004 EA 24" x 24" x 30" High Open Top Trash Container Steel Frame, Kiln Dried Wood .....	275.74	23.38
32 33 23 00-0005 EA 21" x 21" x 31" High Flat Top Trash Container Steel Frame, Kiln Dried Wood .....	275.74	23.38
32 33 23 00-0006 EA 24" x 24" x 31" High, Flat Top Trash Container Steel Frame, Kiln Dried Wood .....	260.01	23.38
32 33 23 00-0007 EA 18" x 18" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood.....	289.73	23.38
32 33 23 00-0008 EA 23" x 23" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood.....	260.01	23.38
32 33 23 00-0009 EA 24" x 24" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood.....	363.16	23.38
<b>32 33 23 00-0010 Square Steel Frames Surrounded With Flat Steel</b> (32 33 23 00-0001)		
32 33 23 00-0011 EA 26" Diameter x 34" High Open Top Trash Square Container Steel Frame, Flat Steel Surround .....	539.11	23.38
32 33 23 00-0012 EA 26" Diameter x 34" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround.....	583.55	23.38
32 33 23 00-0013 EA 26" Diameter x 39" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround.....	583.55	23.38
<b>32 33 23 00-0014 Round Steel Pipe And Flat Steel Frames</b> (32 33 23 00-0001)		
Note: Surrounded with kiln-dried wood.		
32 33 23 00-0015 EA 21" Diameter x 32" High Open Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood.....	805.71	23.38
32 33 23 00-0016 EA 21" Diameter x 32" High Flat Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood .....	869.18	23.38
32 33 23 00-0017 EA 21" Diameter x 39" High Dome Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood.....	1,004.06	23.38
32 33 23 00-0018 EA 21" Diameter x 40" High HPR Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood.....	908.85	23.38
<b>32 33 23 00-0019 Round Steel Pipe Surrounded With Perforated</b> (32 33 23 00-0001)		
32 33 23 00-0020 EA 21" Diameter x 32" High Open Top Trash Container Perforated Round Steel Pipe.....	718.43	23.38
32 33 23 00-0021 EA 21" Diameter x 32" High Flat Top Trash Container Perforated Round Steel Pipe.....	781.90	23.38
32 33 23 00-0022 EA 21" Diameter x 39" High Dome Top Trash Container Perforated Round Steel Pipe .....	916.79	23.38
32 33 23 00-0023 EA 21" Diameter x 40" High HPR Top Trash Container Perforated Round Steel Pipe.....	829.51	23.38
<b>32 33 23 00-0024 Round Steel Pipe Frames Surrounded With Welded Wire</b> (32 33 23 00-0001)		
32 33 23 00-0025 EA 21" Diameter x 32" High Flat Top Trash Container Steel Pipe Frame, Welded Wire Surround .....	567.68	23.38
32 33 23 00-0026 EA 21" Diameter x 32" High Open Top Trash Steel Container Pipe Frame, Welded Wire Surround .....	631.15	23.38
32 33 23 00-0027 EA 21" Diameter x 39" High Dome Top Trash Steel Container Pipe Frame, Welded Wire Surround.....	766.03	23.38
32 33 23 00-0028 EA 21" Diameter x 40" High HPR Top Trash Container Steel Pipe Frame, Welded Wire Surround.....	678.76	23.38
<b>32 33 23 00-0029 Blast Resistant Trash Receptacle</b> (32 33 23 00-0001)		
32 33 23 00-0030 EA 40 Gallon Blast Resistant Trash Receptacle, 1.6 LB Protection .....	2,947.98	29.22
Note: 1.6 Lbs. TNT minimum protection capacity. Includes locking lid.		
32 33 23 00-0031 EA 40 Gallon Blast Resistant Trash Receptacle, 3 LB Protection .....	4,020.81	29.22
Note: 3 Lbs. TNT minimum protection capacity. Includes locking lid		
32 33 23 00-0032 EA Internal Polyliner For Blast Resistant Trash Receptacles .....	101.21	
<b>32 33 23 00-0033 Litter Baskets</b> (32 33 23)		
<b>32 33 23 00-0034 Round Wire Litter Baskets</b> (32 33 23 00-0033)		
32 33 23 00-0035 EA 1.33' Diameter x 1.83' High Round Wire Litter Basket .....	101.95	2.37
32 33 23 00-0036 EA 1.5' Diameter x 1.83' High Round Wire Litter Basket .....	129.10	2.37
32 33 23 00-0037 EA 1.75' Diameter x 2.33' High Round Wire Litter Basket.....	175.17	2.37
32 33 23 00-0038 EA 1.83' Diameter x 2.83' High Round Wire Litter Basket .....	201.17	2.37
<b>32 33 23 00-0039 Trash Can/Wire Basket Holder</b> (32 33 23 00-0033)		
32 33 23 00-0040 EA Steel Post, Single Holder .....	136.30	19.10
32 33 23 00-0041 EA Steel Post, Double Holder.....	188.26	19.10
32 33 23 00-0042 EA Redwood Post, Single Holder .....	82.32	19.10
32 33 23 00-0043 EA Redwood Post, Double Holder.....	99.15	19.10
<b>32 33 23 00-0044 Litter Receptacles, Freestanding</b> (32 33 23 00-0033)		
Note: Includes 1-1/2" outside diameter steel leg supports. Wall mounted, includes 3/8" x 3" steel wall plates. Surface mounted, includes 2-1/2" outside diameter steel tube with floor flange, embedded to include 2-1/2" outside diameter steel tube.		
32 33 23 00-0045 EA 16" Diameter x 28" High Litter Receptacle, Freestanding Or Embedded.....	823.74	9.74
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
32 33 23 00-0046 EA 16" Diameter x 32" High Litter Receptacle, Freestanding Or Embedded.....	867.45	9.74
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
32 33 23 00-0047 EA 20" Diameter x 36" High Litter Receptacle, Freestanding Or Embedded.....	1,008.33	14.61
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	
32 33 23 00-0048 EA 20" Diameter x 40" High Litter Receptacle, Freestanding Embedded.....	1,052.04	14.61
For Powder Coated Sand Pan, Add	50.00	
For Orange Peel Lid, Add	25.00	
For Polished Granite Lid, Add	50.00	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Site Furnishings	32 33	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 23 00-0049 EA 16" Diameter x 28" High Litter Receptacle, Pole Mount With Pole ..... <i>For Powder Coated Sand Pan, Add</i> <i>For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add</i> <i>For Orange Peel Lid, Add</i> <i>For Polished Granite Lid, Add</i>	1,095.75 50.00 22.50 25.00 50.00	14.61
32 33 23 00-0050 EA 16" Diameter x 32" High Litter Receptacle, Pole Mount With Pole ..... <i>For Powder Coated Sand Pan, Add</i> <i>For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add</i> <i>For Orange Peel Lid, Add</i> <i>For Polished Granite Lid, Add</i>	1,139.46 50.00 22.50 25.00 50.00	14.61
32 33 23 00-0051 EA 16" Diameter x 28" High Litter Receptacle, Wall Mount..... <i>For Powder Coated Sand Pan, Add</i> <i>For Orange Peel Lid, Add</i> <i>For Polished Granite Lid, Add</i> <i>For 1-1/2" x 6" Diameter Metal Cover Plate, Add</i>	908.28 50.00 25.00 50.00 20.00	12.66
32 33 23 00-0052 EA 16" Diameter x 32" High Litter Receptacle, Wall Mount..... <i>For Powder Coated Sand Pan, Add</i> <i>For Orange Peel Lid, Add</i> <i>For Polished Granite Lid, Add</i> <i>For 1-1/2" x 6" Diameter Metal Cover Plate, Add</i>	951.99 50.00 25.00 50.00 20.00	12.66
<b>32 33 23 00-0053 Ash Receptacles (32 33 23)</b>		
32 33 23 00-0054 EA 12" Diameter x 21" High Ash Receptacle, Freestanding Or Embedded ..... <i>For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add</i> <i>For Sand Pan, Add</i> <i>For Bowl And Funnel, Add</i>	677.06 22.50 110.00 120.00	9.74
32 33 23 00-0055 EA 18" Square Concrete Exposed Aggregate x 36" High Ash Receptacles With 3-1/2" ID iron Pipe With Cap Square Concrete With Steel Liner.....	269.40	9.74
<b>32 33 23 00-0056 Trash Receptacles (22 33 23)</b>		
32 33 23 00-0057 EA Outdoor Covered Steel Receptacle With Liner .....	675.12	9.74
32 33 23 00-0058 EA Driftwood And Sable Receptacle, 35 Gallon With Liner And Frame .....	318.38	9.74
32 33 23 00-0059 EA 24" x 24" Square Trash Containment With Exposed Aggregate Finish .....	733.02	9.74
32 33 23 00-0060 EA 30" x 30" Square Trash Containment With Exposed Aggregate Finish .....	762.96	10.72
32 33 23 00-0061 EA 36" x 36" Square Trash Containment With Exposed Aggregate Finish .....	820.88	11.68
32 33 23 00-0062 EA 32 Gallon, Open Round Trash Receptacle, Recycled Plastic Lumber.....	199.94	7.79
32 33 23 00-0063 EA 32 Gallon, Round Trash Receptacle With Liner And Lid, Recycled Plastic Lumber .....	238.34	7.79
32 33 23 00-0064 EA 24" x 24" Square 18" High Trash Receptacle, Fiberglass.....	293.97	9.74
32 33 23 00-0065 EA Ironsites Series 24 Gallon Trash Receptacle (Victor Stanley SD-35) .....	1,238.58	9.74
32 33 23 00-0066 EA Ironsites Series 36 Gallon Trash Receptacle (Victor Stanley SD-42) .....	1,334.45	11.68
<b>32 33 23 00-0067 Trash Containers (Dumpsters) (32 33 23)</b>		
32 33 23 00-0068 EA 1 CY Straight Side Trash Dumpster.....	169.11	
32 33 23 00-0069 EA 1.5 CY Straight Side Trash Dumpster.....	253.67	
32 33 23 00-0070 EA 2 CY Straight Side Trash Dumpster.....	338.22	
32 33 23 00-0071 EA 2 CY Sloped Side Trash Dumpster.....	338.22	
32 33 23 00-0072 EA 3 CY Sloped Side Trash Dumpster.....	507.33	
32 33 23 00-0073 EA 4 CY Sloped Side Trash Dumpster.....	676.44	
32 33 23 00-0074 EA 6 CY Sloped Side Trash Dumpster.....	1,014.67	
32 33 23 00-0075 EA 8 CY Sloped Side Trash Dumpster.....	1,352.89	
<b>32 33 33 Site Manufactured Planters (32 33)</b>		
<b>32 33 33 00-0001 Precast Concrete Planters (32 33 33)</b>		
<b>32 33 33 00-0002 Circular Precast Concrete Planters (32 33 33 00-0001)</b>		
32 33 33 00-0003 EA 24" Diameter, 17" Height, Circular Precast Concrete Planter .....	450.81	12.11
32 33 33 00-0004 EA 24" Diameter, 24" Height, Circular Precast Concrete Planter .....	504.16	14.54
32 33 33 00-0005 EA 24" Diameter, 33" Height, Circular Precast Concrete Planter .....	552.66	14.54
32 33 33 00-0006 EA 30" Diameter, 17" Height, Circular Precast Concrete Planter .....	598.89	16.96
32 33 33 00-0007 EA 30" Diameter, 30" Height, Circular Precast Concrete Planter .....	724.15	21.81
32 33 33 00-0008 EA 36" Diameter, 24" Height, Circular Precast Concrete Planter .....	789.77	21.81
32 33 33 00-0009 EA 36" Diameter, 30" Height, Circular Precast Concrete Planter .....	890.20	24.24
32 33 33 00-0010 EA 48" Diameter, 17" Height, Circular Precast Concrete Planter .....	941.56	24.24
32 33 33 00-0011 EA 48" Diameter, 24" Height, Circular Precast Concrete Planter .....	1,046.41	30.30
32 33 33 00-0012 EA 48" Diameter, 30" Height, Circular Precast Concrete Planter .....	1,113.07	32.23
32 33 33 00-0013 EA 48" Diameter, 36" Height, Circular Precast Concrete Planter .....	1,159.26	33.93
32 33 33 00-0014 EA 60" Diameter, 17" Height, Circular Precast Concrete Planter .....	1,053.05	30.30
32 33 33 00-0015 EA 60" Diameter, 24" Height, Circular Precast Concrete Planter .....	1,157.83	33.93
32 33 33 00-0016 EA 60" Diameter, 36" Height, Circular Precast Concrete Planter .....	1,489.38	36.35
32 33 33 00-0017 EA 72" Diameter, 36" Height, Circular Precast Concrete Planter .....	1,933.92	46.04
32 33 33 00-0018 EA 84" Diameter, 36" Height, Circular Precast Concrete Planter .....	2,251.21	48.47
<b>32 33 33 00-0019 Square Precast Concrete Planters (32 33 33 00-0001)</b>		
32 33 33 00-0020 EA 36" Square, 30" Height, Square Precast Concrete Planter.....	902.88	31.50
32 33 33 00-0021 EA 42" Square, 30" Height, Square Precast Concrete Planter.....	1,035.51	33.93
32 33 33 00-0022 EA 60" Square, 36" Height, Square Precast Concrete Planter.....	1,648.31	38.78

**32 Exterior Improvements****32 30 Site Improvements****32 33 Site Furnishings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 33 00-0023 EA 72" Square, 36" Height, Square Precast Concrete Planter .....	1,758.73	41.20
<b>32 33 33 00-0024 Rectangular Precast Concrete Planters (32 33 33 00-0001)</b>		
32 33 33 00-0025 EA 33" x 18", 20" Height, Rectangular Precast Concrete Planter .....	525.56	14.54
32 33 33 00-0026 EA 48" x 18", 20" Height, Rectangular Precast Concrete Planter .....	612.87	21.81
32 33 33 00-0027 EA 60" x 18", 20" Height, Rectangular Precast Concrete Planter .....	711.87	24.24
32 33 33 00-0028 EA 72" x 18", 20" Height, Rectangular Precast Concrete Planter .....	808.16	30.30
<b>32 33 33 00-0029 Fiberglass Planters (32 33 33)</b>		
<b>32 33 33 00-0030 Circular Fiberglass Planters (32 33 33 00-0029)</b>		
32 33 33 00-0031 EA 36" Diameter, 27" High, Circular Fiberglass Planter .....	1,124.72	12.11
32 33 33 00-0032 EA 60" Diameter, 39" High, Circular Fiberglass Planter .....	1,883.15	12.11
32 33 33 00-0033 EA 36" Diameter, 24" High, Circular Fiberglass Planter .....	744.15	12.11
32 33 33 00-0034 EA 60" Diameter, 24" High, Circular Fiberglass Planter .....	1,483.33	12.11
<b>32 33 33 00-0035 Tapered Circular Fiberglass Planters (32 33 33 00-0029)</b>		
32 33 33 00-0036 EA 24" Diameter, 20" High, Tapered Circular Fiberglass Planter .....	427.15	12.11
32 33 33 00-0037 EA 30" Diameter, 25" High, Tapered Circular Fiberglass Planter .....	634.22	12.11
32 33 33 00-0038 EA 36" Diameter, 30" High, Tapered Circular Fiberglass Planter .....	1,143.97	12.11
32 33 33 00-0039 EA 40" Diameter, 36" High, Tapered Circular Fiberglass Planter .....	1,604.25	12.11
<b>32 33 33 00-0040 Square Fiberglass Planters (32 33 33 00-0029)</b>		
32 33 33 00-0041 EA 24" Square, 21" High, Square Fiberglass Planter .....	566.29	12.11
32 33 33 00-0042 EA 24" Square, 24" High, Square Fiberglass Planter .....	579.27	12.11
32 33 33 00-0043 EA 30" Square, 12" High, Square Fiberglass Planter .....	586.13	12.11
32 33 33 00-0044 EA 30" Square, 21" High, Square Fiberglass Planter .....	667.21	12.11
32 33 33 00-0045 EA 30" Square, 24" High, Square Fiberglass Planter .....	726.28	12.11
<b>32 33 33 00-0046 Rectangular Fiberglass Planters (32 33 33 00-0029)</b>		
32 33 33 00-0047 EA 48" x 12", 12" High, Rectangular Fiberglass Planter .....	654.37	12.11
32 33 33 00-0048 EA 48" x 12", 21" High, Rectangular Fiberglass Planter .....	702.81	12.11
32 33 33 00-0049 EA 48" x 24", 12" High, Rectangular Fiberglass Planter .....	920.95	12.11
32 33 33 00-0050 EA 48" x 24", 21" High, Rectangular Fiberglass Planter .....	1,017.83	12.11
<b>32 33 33 00-0051 Timber Planters (32 33 33)</b>		
<b>32 33 33 00-0052 Square Timber Planters (32 33 33 00-0051)</b>		
32 33 33 00-0053 EA 14" Square, 30" High, Square Timber Planter .....	360.82	23.38
32 33 33 00-0054 EA 21" Square, 30" High, Square Timber Planter .....	360.82	23.38
32 33 33 00-0055 EA 27" Square, 30" High, Square Timber Planter .....	714.53	23.38
32 33 33 00-0056 EA 34" Square, 30" High, Square Timber Planter .....	614.90	23.38
32 33 33 00-0057 EA 41" Square, 36" High, Square Timber Planter .....	739.44	23.38
32 33 33 00-0058 EA 54" Square, 36" High, Square Timber Planter .....	1,955.00	23.38
32 33 33 00-0059 EA 81" Square, 36" High, Square Timber Planter .....	2,956.35	23.38
<b>32 33 33 00-0060 Rectangular Timber Planters (32 33 33 00-0051)</b>		
32 33 33 00-0061 EA 21" x 14", 30" High, Rectangular Timber Planter .....	355.84	23.38
32 33 33 00-0062 EA 27" x 14", 30" High, Rectangular Timber Planter .....	400.68	23.38
32 33 33 00-0063 EA 27" x 21", 30" High, Rectangular Timber Planter .....	535.19	23.38
32 33 33 00-0064 EA 34" x 21", 30" High, Rectangular Timber Planter .....	594.97	23.38
32 33 33 00-0065 EA 41" x 21", 30" High, Rectangular Timber Planter .....	774.31	23.38
32 33 33 00-0066 EA 34" x 27", 30" High, Rectangular Timber Planter .....	903.84	23.38
32 33 33 00-0067 EA 41" x 27", 30" High, Rectangular Timber Planter .....	1,013.44	23.38
32 33 33 00-0068 EA 54" x 27", 30" High, Rectangular Timber Planter .....	1,327.30	23.38
32 33 33 00-0069 EA 54" x 34", 30" High, Rectangular Timber Planter .....	1,501.66	23.38
32 33 33 00-0070 EA 68" x 34", 36" High, Rectangular Timber Planter .....	1,715.88	23.38
32 33 33 00-0071 EA 54" x 41", 36" High, Rectangular Timber Planter .....	1,631.19	23.38
32 33 33 00-0072 EA 68" x 41", 36" High, Rectangular Timber Planter .....	1,850.39	23.38
32 33 33 00-0073 EA 81" x 41", 36" High, Rectangular Timber Planter .....	2,074.57	23.38
<b>32 33 43 Site Seating And Tables (32 33)</b>		
<b>32 33 43 13 Site Seating (32 33 43)</b>		
<b>32 33 43 13-0001 Benches (Landscapeforms) (32 33 43 13)</b>		
Note: Excludes embedding in concrete See CSI section 32 31 13 13-0001 for drilling and concrete.		
32 33 43 13-0002 EA 72" Backless Wood Or PolySite Bench (Landscapeforms Balustrade) .....	1,285.38	38.97
32 33 43 13-0003 EA 72" Backed Wood Or PolySite Bench (Landscapeforms Balustrade) .....	1,623.47	38.97
32 33 43 13-0004 EA 96" Backed Wood Bench (Landscapeforms Balustrade) .....	1,840.81	38.97
32 33 43 13-0005 EA End Loop Arms For Backed Bench (Landscapeforms Balustrade) .....	140.22	9.74
32 33 43 13-0006 EA 72" Backless Wood Or PolySite Bench (Landscapeforms Gretchen's) .....	1,411.38	38.97
32 33 43 13-0007 EA 96" Backless Wood Bench (Landscapeforms Gretchen's) .....	1,605.62	38.97



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0008	EA			72" Backed Wood Or PolySite Bench (Landscapeforms Gretchen's)	1,757.86	38.97
32 33 43 13-0009	EA			96" Backed Wood Bench (Landscapeforms Gretchen's)	1,994.10	38.97
32 33 43 13-0010	EA			72" Backed Wood Or PolySite Bench With Armrest (Landscapeforms Gretchen's)	2,020.35	38.97
32 33 43 13-0011	EA			96" Backed Wood Bench With Armrest (Landscapeforms Gretchen's)	2,256.59	38.97
32 33 43 13-0012	EA			59" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park)	2,642.55	38.97
32 33 43 13-0013	EA			75" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park)	2,877.95	38.97
32 33 43 13-0014	EA			42" Backless Metal Grid Bench (Landscapeforms Manistee)	715.09	29.22
32 33 43 13-0015	EA			62" Backless Metal Grid Bench (Landscapeforms Manistee)	777.04	29.22
32 33 43 13-0016	EA			72" Backless Metal Grid Bench (Landscapeforms Manistee)	836.33	34.09
32 33 43 13-0017	EA			82" Backless Metal Grid Bench (Landscapeforms Manistee)	985.01	34.09
32 33 43 13-0018	EA			42" Backed Metal Grid Bench (Landscapeforms Manistee)	898.28	34.09
32 33 43 13-0019	EA			62" Backed Metal Grid Bench (Landscapeforms Manistee)	960.23	34.09
32 33 43 13-0020	EA			72" Backed Metal Grid Bench (Landscapeforms Manistee)	1,031.92	38.97
32 33 43 13-0021	EA			82" Backed Metal Grid Bench (Landscapeforms Manistee)	1,192.99	38.97
32 33 43 13-0022	EA			42" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,009.79	34.09
32 33 43 13-0023	EA			62" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,081.48	38.97
32 33 43 13-0024	EA			72" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,143.43	38.97
32 33 43 13-0025	EA			82" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,304.49	38.97
32 33 43 13-0026	EA			72" Backless Solid Wood Bench (Landscapeforms Palisade)	2,114.84	38.97
32 33 43 13-0027	EA			96" Backless Solid Wood Bench (Landscapeforms Palisade)	2,440.33	38.97
32 33 43 13-0028	EA			70" Backless Perforated Metal Bench (Landscapeforms Petoskey)	1,333.68	38.97
32 33 43 13-0029	EA			70" Dual Support Backed Perforated Metal Bench (Landscapeforms Petoskey)	1,623.47	38.97
32 33 43 13-0030	EA			70" Quad Support Backed Perforated Metal Bench (Landscapeforms Petoskey)	1,768.36	38.97
32 33 43 13-0031	EA			72" Backed Wood Bench (Landscapeforms Plainwell)	1,721.11	38.97
32 33 43 13-0032	EA			72" Backed Wood Bench With Center Arm (Landscapeforms Plainwell)	1,915.35	38.97
32 33 43 13-0033	EA			96" Backed Wood Bench (Landscapeforms Plainwell)	2,125.34	38.97
32 33 43 13-0034	EA			96" Backed Wood Bench With Center Arm (Landscapeforms Plainwell)	2,319.58	38.97
32 33 43 13-0035	EA			96" Backed Wood Bench With Two Center Arms (Landscapeforms Plainwell)	2,519.07	38.97
32 33 43 13-0036	EA			72" Backed Aluminum Bench (Landscapeforms Plainwell)	2,209.34	38.97
32 33 43 13-0037	EA			72" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell)	2,403.58	38.97
32 33 43 13-0038	EA			96" Backed Aluminum Bench (Landscapeforms Plainwell)	2,723.81	38.97
32 33 43 13-0039	EA			96" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell)	2,928.55	38.97
32 33 43 13-0040	EA			96" Backed Aluminum Bench With Two Center Arms (Landscapeforms Plainwell)	3,117.55	38.97
32 33 43 13-0041	EA			Backless Metal Grid Seats For Straight Runs (Landscapeforms Plexus)	502.46	9.74
32 33 43 13-0042	EA			Backless Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus)	680.95	9.74
32 33 43 13-0043	EA			Backless Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	680.95	9.74
32 33 43 13-0044	EA			Backed Metal Grid Seats For Straight Runs (Landscapeforms Plexus)	617.95	9.74
32 33 43 13-0045	EA			Narrow-Backed Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus)	770.19	9.74
32 33 43 13-0046	EA			Narrow-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	770.19	9.74
32 33 43 13-0047	EA			Wide-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	770.19	9.74
32 33 43 13-0048	EA			Armrest For Metal Grid Seats (Landscapeforms Plexus)	120.74	9.74
32 33 43 13-0049	EA			Backless Straight Metal Grid Seats (Landscapeforms Presidio)	712.45	9.74
32 33 43 13-0050	EA			Backless Straight Metal Grid Seats With One Arm (Landscapeforms Presidio)	791.19	9.74
32 33 43 13-0051	EA			Backless Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio)	869.94	9.74
32 33 43 13-0052	EA			Backless Angled Metal Grid Seats (Landscapeforms Presidio)	864.69	9.74
32 33 43 13-0053	EA			Backless Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	943.44	9.74
32 33 43 13-0054	EA			Backless Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,022.18	9.74
32 33 43 13-0055	EA			Backed Straight Metal Grid Seats (Landscapeforms Presidio)	854.19	9.74
32 33 43 13-0056	EA			Backed Straight Metal Grid Seats With One Arm (Landscapeforms Presidio)	932.94	9.74
32 33 43 13-0057	EA			Backed Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,011.68	9.74
32 33 43 13-0058	EA			Narrow-Backed Angled Metal Grid Seats (Landscapeforms Presidio)	1,048.43	9.74
32 33 43 13-0059	EA			Narrow-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,127.18	9.74
32 33 43 13-0060	EA			Narrow-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,205.92	9.74
32 33 43 13-0061	EA			Wide-Backed Angled Metal Grid Seats (Landscapeforms Presidio)	1,048.43	9.74
32 33 43 13-0062	EA			Wide-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,127.18	9.74
32 33 43 13-0063	EA			Wide-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,205.92	9.74
32 33 43 13-0064	EA			48" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	1,390.38	38.97
32 33 43 13-0065	EA			72" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	1,411.38	38.97
32 33 43 13-0066	EA			96" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	1,731.61	38.97
32 33 43 13-0067	EA			48" Backless Woven Bench (Landscapeforms Scarborough)	2,114.84	38.97
32 33 43 13-0068	EA			72" Backless Woven Bench (Landscapeforms Scarborough)	2,508.57	38.97
32 33 43 13-0069	EA			96" Backless Woven Bench (Landscapeforms Scarborough)	2,881.31	38.97
32 33 43 13-0070	EA			24" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	1,106.89	38.97
32 33 43 13-0071	EA			48" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	1,495.37	38.97
32 33 43 13-0072	EA			72" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	1,532.12	38.97
32 33 43 13-0073	EA			72" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough)	1,773.61	38.97
32 33 43 13-0074	EA			96" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	2,009.85	38.97
32 33 43 13-0075	EA			96" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough)	2,256.59	38.97
32 33 43 13-0076	EA			96" Backed Horizontal Strap Bench With Two Intermediate Arms (Landscapeforms Scarborough)	2,498.07	38.97
32 33 43 13-0077	EA			24" Backed Woven Bench (Landscapeforms Scarborough)	2,009.85	38.97
32 33 43 13-0078	EA			48" Backed Woven Bench (Landscapeforms Scarborough)	2,445.58	38.97
32 33 43 13-0079	EA			72" Backed Woven Bench (Landscapeforms Scarborough)	2,870.81	38.97
32 33 43 13-0080	EA			72" Backed Woven Bench With Center Arm (Landscapeforms Scarborough)	3,117.55	38.97
32 33 43 13-0081	EA			96" Backed Woven Bench (Landscapeforms Scarborough)	3,642.52	38.97
32 33 43 13-0082	EA			96" Backed Woven Bench With Center Arm (Landscapeforms Scarborough)	3,884.01	38.97
32 33 43 13-0083	EA			96" Backed Woven Bench With Two Intermediate Arms (Landscapeforms Scarborough)	4,120.25	38.97
32 33 43 13-0084	EA			32" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	934.40	34.09
32 33 43 13-0085	EA			49" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	1,139.14	34.09
32 33 43 13-0086	EA			49" Backed Strap Or Perforated Bench With Divider (Landscapeforms Town Square)	1,249.38	34.09
32 33 43 13-0087	EA			70" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	1,463.87	38.97
32 33 43 13-0088	EA			70" Backed Strap Or Perforated Bench With Two Dividers (Landscapeforms Town Square)	1,668.61	38.97



**32 Exterior Improvements****32 30 Site Improvements****32 33 Site Furnishings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0089 Benches (Columbia Cascade, TimberForm) <sup>(32 33 43 13)</sup>		
32 33 43 13-0090 Wood Benches (Columbia Cascade, TimberForm) <sup>(32 33 43 13-0089)</sup>		
Note: Includes powder coated steel frames.		
32 33 43 13-0091 EA 70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-E).....	472.25	19.48
32 33 43 13-0092 EA 94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-E).....	544.02	19.48
32 33 43 13-0093 EA 118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-E).....	701.89	19.48
32 33 43 13-0094 EA 70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-P).....	493.78	19.48
32 33 43 13-0095 EA 94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-P).....	565.54	19.48
32 33 43 13-0096 EA 118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-P).....	730.59	19.48
32 33 43 13-0097 EA 70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-E).....	730.59	19.48
32 33 43 13-0098 EA 94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-E).....	852.59	19.48
32 33 43 13-0099 EA 118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-E).....	1,103.75	19.48
32 33 43 13-0100 EA 70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-P).....	766.47	19.48
32 33 43 13-0101 EA 94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-P).....	888.47	19.48
32 33 43 13-0102 EA 118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-P).....	1,153.98	19.48
32 33 43 13-0103 EA 70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-E).....	1,426.67	19.48
32 33 43 13-0104 EA 94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-E).....	1,677.84	19.48
32 33 43 13-0105 EA 118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-E).....	2,201.69	19.48
32 33 43 13-0106 EA 70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-P).....	1,462.56	19.48
32 33 43 13-0107 EA 94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-P).....	1,713.72	19.48
32 33 43 13-0108 EA 118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-P).....	2,251.92	19.48
32 33 43 13-0109 EA 70" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-E).....	551.19	19.48
32 33 43 13-0110 EA 94" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-E).....	622.95	19.48
32 33 43 13-0111 EA 70" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-P).....	572.72	19.48
32 33 43 13-0112 EA 94" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-P).....	644.48	19.48
32 33 43 13-0113 EA 46" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-E).....	931.52	19.48
32 33 43 13-0114 EA 70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-E).....	1,103.75	19.48
32 33 43 13-0115 EA 46" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-P).....	988.93	19.48
32 33 43 13-0116 EA 70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-P).....	1,161.16	19.48
32 33 43 13-0117 EA 70" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-6).....	572.04	29.22
32 33 43 13-0118 EA 94" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-8).....	600.75	29.22
32 33 43 13-0119 EA 118" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-10).....	823.21	29.22
32 33 43 13-0120 EA 46" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-E).....	443.55	19.48
32 33 43 13-0121 EA 70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-E).....	515.31	19.48
32 33 43 13-0122 EA 94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-E).....	587.07	19.48
32 33 43 13-0123 EA 118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-E).....	759.30	19.48
32 33 43 13-0124 EA 142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-E).....	831.06	19.48
32 33 43 13-0125 EA 46" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-P).....	450.73	19.48
32 33 43 13-0126 EA 70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-P).....	522.49	19.48
32 33 43 13-0127 EA 94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-P).....	594.25	19.48
32 33 43 13-0128 EA 118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-P).....	780.83	19.48
32 33 43 13-0129 EA 142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-P).....	852.59	19.48
32 33 43 13-0130 EA 70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-E).....	773.65	19.48
32 33 43 13-0131 EA 94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-E).....	895.64	19.48
32 33 43 13-0132 EA 118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-E).....	1,161.16	19.48
32 33 43 13-0133 EA 142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-E).....	1,283.15	19.48
32 33 43 13-0134 EA 70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-P).....	788.00	19.48
32 33 43 13-0135 EA 94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-P).....	910.00	19.48
32 33 43 13-0136 EA 118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-P).....	1,182.69	19.48
32 33 43 13-0137 EA 142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-P).....	1,304.68	19.48
32 33 43 13-0138 EA 70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-E).....	773.65	19.48
32 33 43 13-0139 EA 82" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-E).....	1,096.57	19.48
32 33 43 13-0140 EA 94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-E).....	974.58	19.48
32 33 43 13-0141 EA 118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-E).....	1,290.33	19.48
32 33 43 13-0142 EA 142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-E).....	1,412.32	19.48
32 33 43 13-0143 EA 70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-P).....	888.47	19.48
32 33 43 13-0144 EA 82" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-P).....	1,118.10	19.48
32 33 43 13-0145 EA 94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-P).....	988.93	19.48
32 33 43 13-0146 EA 118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-P).....	1,311.86	19.48
32 33 43 13-0147 EA 142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-P).....	1,433.85	19.48
32 33 43 13-0148 EA 70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-6).....	808.85	29.22
32 33 43 13-0149 EA 94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-8).....	938.02	29.22



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0150 EA 118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-10) .....	1,210.71	29.22
32 33 43 13-0151 EA 70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-6) .....	887.79	29.22
32 33 43 13-0152 EA 94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-8) .....	1,016.96	29.22
32 33 43 13-0153 EA 118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-10) .....	1,332.71	29.22
<b>32 33 43 13-0154 Recycled Plastic Benches (Columbia Cascade, TimberForm) <small>(32 33 43 13-0089)</small></b>		
<i>Note: Includes powder coated steel frames.</i>		
32 33 43 13-0155 EA 70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-E) .....	651.66	19.48
32 33 43 13-0156 EA 94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-E) .....	895.64	19.48
32 33 43 13-0157 EA 70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-P) .....	673.19	19.48
32 33 43 13-0158 EA 94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-P) .....	917.17	19.48
32 33 43 13-0159 EA 46" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-E) .....	1,031.99	19.48
32 33 43 13-0160 EA 70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-E) .....	1,211.39	19.48
32 33 43 13-0161 EA 46" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-P) .....	1,089.40	19.48
32 33 43 13-0162 EA 70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-P) .....	1,268.80	19.48
32 33 43 13-0163 EA 70" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-6) .....	643.80	29.22
32 33 43 13-0164 EA 94" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-8) .....	780.15	29.22
32 33 43 13-0165 EA 118" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-10) .....	923.67	29.22
32 33 43 13-0166 EA 70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-E) .....	529.65	19.48
32 33 43 13-0167 EA 94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-E) .....	716.24	19.48
32 33 43 13-0168 EA 118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-E) .....	859.76	19.48
32 33 43 13-0169 EA 70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-P) .....	551.19	19.48
32 33 43 13-0170 EA 94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-P) .....	737.77	19.48
32 33 43 13-0171 EA 118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-P) .....	888.47	19.48
32 33 43 13-0172 EA 70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-E) .....	852.59	19.48
32 33 43 13-0173 EA 94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-E) .....	1,153.98	19.48
32 33 43 13-0174 EA 118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-E) .....	1,405.15	19.48
32 33 43 13-0175 EA 70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-P) .....	888.47	19.48
32 33 43 13-0176 EA 94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-P) .....	1,204.22	19.48
32 33 43 13-0177 EA 118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-P) .....	1,455.38	19.48
32 33 43 13-0178 EA 70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-E) .....	1,677.84	19.48
32 33 43 13-0179 EA 94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-E) .....	2,316.51	19.48
32 33 43 13-0180 EA 118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-E) .....	2,567.67	19.48
32 33 43 13-0181 EA 70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-P) .....	1,713.72	19.48
32 33 43 13-0182 EA 94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-P) .....	2,366.74	19.48
32 33 43 13-0183 EA 118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-P) .....	2,617.91	19.48
32 33 43 13-0184 EA 70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-E) .....	1,046.34	19.48
32 33 43 13-0185 EA 82" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-E) .....	1,462.56	19.48
32 33 43 13-0186 EA 94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-E) .....	1,397.97	19.48
32 33 43 13-0187 EA 118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-E) .....	1,606.08	19.48
32 33 43 13-0188 EA 142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-E) .....	2,165.81	19.48
32 33 43 13-0189 EA 70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-P) .....	1,060.69	19.48
32 33 43 13-0190 EA 82" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-P) .....	1,484.08	19.48
32 33 43 13-0191 EA 94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-P) .....	1,419.50	19.48
32 33 43 13-0192 EA 118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-P) .....	1,627.61	19.48
32 33 43 13-0193 EA 142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-P) .....	2,201.69	19.48
32 33 43 13-0194 EA 70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-6) .....	988.26	29.22
32 33 43 13-0195 EA 94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-8) .....	1,339.88	29.22
32 33 43 13-0196 EA 118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-10) .....	1,662.81	29.22
32 33 43 13-0197 EA 70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-6) .....	1,110.25	29.22
32 33 43 13-0198 EA 94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-8) .....	1,490.58	29.22
32 33 43 13-0199 EA 118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-10) .....	1,641.28	29.22
32 33 43 13-0200 EA 46" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-E) .....	472.26	19.48
32 33 43 13-0201 EA 70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-E) .....	622.95	19.48
32 33 43 13-0202 EA 94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-E) .....	845.41	19.48
32 33 43 13-0203 EA 118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-E) .....	996.11	19.48
32 33 43 13-0204 EA 142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-E) .....	1,161.16	19.48

**32 Exterior Improvements****32 30 Site Improvements****32 33 Site Furnishings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0205 EA 46" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-P).....	486.61	19.48
32 33 43 13-0206 EA 70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-P).....	637.31	19.48
32 33 43 13-0207 EA 94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-P).....	866.94	19.48
32 33 43 13-0208 EA 118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-P).....	1,017.64	19.48
32 33 43 13-0209 EA 142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-P).....	1,189.86	19.48
32 33 43 13-0210 EA 70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-E).....	931.52	19.48
32 33 43 13-0211 EA 94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-E).....	1,283.15	19.48
32 33 43 13-0212 EA 118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-E).....	1,584.55	19.48
32 33 43 13-0213 EA 142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-E).....	1,785.48	19.48
32 33 43 13-0214 EA 70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-P).....	945.88	19.48
32 33 43 13-0215 EA 94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-P).....	1,304.68	19.48
32 33 43 13-0216 EA 118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-P).....	1,606.08	19.48
32 33 43 13-0217 EA 142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-P).....	1,814.18	19.48
<b>32 33 43 53 Site Tables (32 33 43)</b>		
<b>32 33 43 53-0001 Picnic Tables (32 33 43 53)</b>		
<b>32 33 43 53-0002 Wooden Picnic Tables (32 33 43 53-0001)</b>		
32 33 43 53-0003 EA 6' Permanent Rectangular Redwood Table.....	662.23	29.22
<b>32 33 43 53-0004 Portable Picnic Tables (32 33 43 53-0001)</b>		
32 33 43 53-0005 EA 6' Wood Table With Aluminum Frame.....	704.50	19.48
32 33 43 53-0006 EA 6' Aluminum Table And Frame.....	1,026.14	19.48
32 33 43 53-0007 EA 8' Aluminum Table And Frame.....	1,223.90	24.36
32 33 43 53-0008 EA 6' Steel Table And Frame.....	704.31	19.48
32 33 43 53-0009 EA 8' Steel Table And Frame.....	805.00	24.36
<b>32 33 43 53-0010 Concrete Picnic Tables (32 33 43 53-0001)</b>		
32 33 43 53-0011 EA 72" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quikrete QLBT72PT).....	1,367.37	77.94
32 33 43 53-0012 EA 96" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quick Crete QLBT96PT Or QLMR96PT).....	1,575.18	
Note: Standard sealer		
32 33 43 53-0013 EA 102" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches And Handicap Access On Two Ends (Quick Crete QLMR102PTADA).....	1,580.45	
Note: Standard sealer		
32 33 43 53-0014 EA 42" Diameter, Precast Concrete, Round Food Court Table Set With Four Benches (Quick Crete QR42FC).....	1,657.40	
Note: Includes table top, four benches and mounting hardware.		
<b>32 33 43 53-0015 Plastic Picnic Tables (32 33 43 53-0001)</b>		
Note: Manufactured from recycled plastic.		
<b>32 33 43 53-0016 Pedestal Tables - 4' Square, 2 Seats (32 33 43 53-0015)</b>		
32 33 43 53-0017 EA 3" x 4" Slats, Pedestal Table, 4' Square, 2 Seats.....	583.90	29.22
32 33 43 53-0018 EA 4" x 4" Slats, Pedestal Table, 4' Square, 2 Seats.....	639.71	29.22
<b>32 33 43 53-0019 Pedestal Tables - 4' Square, 4 Seats (32 33 43 53-0015)</b>		
32 33 43 53-0020 EA 3" x 4" Slats, Pedestal Table, 4' Square, 4 Seats.....	764.89	29.22
32 33 43 53-0021 EA 4" x 4" Slats, Pedestal Table, 4' Square, 4 Seats.....	839.84	29.22
<b>32 33 43 53-0022 Recycled Plastic Tables (32 33 43 53-0015)</b>		
32 33 43 53-0023 EA 6' Standard "Step-Over" Table, Recycled Plastic Lumber.....	1,001.43	29.22
32 33 43 53-0024 EA 6' "Walk-Through" Table, Recycled Plastic Lumber.....	834.28	29.22
32 33 43 53-0025 EA 7' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends.....	911.10	29.22
32 33 43 53-0026 EA 8' "Walk-Through" Table, Recycled Plastic Lumber, ADA Ends.....	852.10	29.22
32 33 43 53-0027 EA 8' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends.....	1,071.95	29.22
32 33 43 53-0028 EA 4' Youth Table, Recycled Plastic Lumber.....	426.99	23.38
<b>32 33 53 Site Grills (32 33)</b>		
<b>32 33 53 00-0001 Picnic Grills (32 33 53)</b>		
32 33 53 00-0002 EA 20" Wide x 14" Deep x 8-1/2" High Adjustable Grill.....	229.66	
Note: 11 gauge with galvanized steel post.		
32 33 53 00-0003 EA 20" Wide x 14" Deep x 8-1/2" High Adjustable Grill.....	246.51	
Note: 7 gauge with galvanized steel post.		



		<b>Exterior Improvements</b>	<b>32</b>
		Site Improvements	32 30
		Site Furnishings	32 33

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**32 33 63 Skate Board Deterrent (32 33)****32 33 63 00-0001 Skate Stoppers (32 33 63)**

32 33 63 00-0002	EA		Aluminum Architectural Series Pieces, Skate Stopper ..... 32.60		
			Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
			For >59 To 99, Deduct	-3.69	
			For >99 To 249, Deduct	-4.62	
			For >249, Deduct	-5.55	
32 33 63 00-0003	EA		Aluminum Fixed Angle Series Pieces, Skate Stopper ..... 34.78		
			Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
			For >59 To 99, Deduct	-3.99	
			For >99 To 249, Deduct	-4.99	
			For >249, Deduct	-5.98	
32 33 63 00-0004	EA		Aluminum Fixed Radius Series Pieces, Skate Stopper ..... 23.58		
			Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
			For >59 To 99, Deduct	-2.42	
			For >99 To 249, Deduct	-3.08	
			For >249, Deduct	-3.74	
32 33 63 00-0005	EA		Aluminum Bench Clips, Skate Stopper ..... 18.21		
			Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
			For >59 To 99, Deduct	-1.67	
			For >99 To 249, Deduct	-2.17	
			For >249, Deduct	-2.67	
32 33 63 00-0006	EA		Aluminum Curve Clips, Skate Stopper ..... 20.23		
			Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
			For >59 To 99, Deduct	-1.96	
			For >99 To 249, Deduct	-2.51	
			For >249, Deduct	-3.07	
32 33 63 00-0007	EA		Aluminum Hand Rail, Skate Stopper ..... 19.20		
			Note: Various shapes. Includes drilling and anchoring into suitable surface material.		
			For >59 To 99, Deduct	-1.81	
			For >99 To 249, Deduct	-2.34	
			For >249, Deduct	-2.87	
32 33 63 00-0008	EA		Aluminum 2" x 3" x 0.25" Flat Cap, Skate Stopper ..... 17.88		
			Note: Includes drilling and anchoring into suitable surface material.		
			For >59 To 99, Deduct	-1.63	
			For >99 To 249, Deduct	-2.11	
			For >249, Deduct	-2.60	
32 33 63 00-0009	EA		Aluminum 6" Diameter x 0.25" Rumble Disc, Skate Stopper ..... 26.03		
			Note: Includes drilling and anchoring into suitable surface material.		
			For >59 To 99, Deduct	-2.77	
			For >99 To 249, Deduct	-3.50	
			For >249, Deduct	-4.23	
32 33 63 00-0010	EA		Aluminum 4" x 17" x 0.25" Flat Strap, Skate Stopper ..... 50.46		
			Note: Includes drilling and anchoring into suitable surface material.		
			For >59 To 99, Deduct	-6.19	
			For >99 To 249, Deduct	-7.65	
			For >249, Deduct	-9.12	

**32 39 Manufactured Site Specialties (32 30)**

Note: Excludes core drilling, augering, concrete footing and compaction See CSI section 02 41 19 13-0082 for concrete core drilling, 02 41 19 13-0220 for asphalt core drilling, 32 31 13 13-0002 for augering, 32 31 13 13-0019 for concrete footing, 32 31 13 13-0045 for compaction of earth.

**32 39 13 Manufactured Metal Bollards (32 39)****32 39 13 00-0001 Metal Pipe Bollards (32 39 13)**

Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill for post and post holes.

**32 39 13 00-0002 Steel Pipe Bollard, Schedule 40 Pipe, Painted Or Powder Coated (32 39 13 00-0001)**

32 39 13 00-0003	LF		4" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated ..... 31.49		5.22
			For Galvanized Steel, Add	3.58	
			For 304 Stainless Steel, Add	28.43	
			For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	65.72	
			For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	58.78	
			For Schedule 80, Add	4.20	
			For Concrete Fill, Add Per LF Of Pipe Bollard	7.46	
32 39 13 00-0004	LF		6" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated ..... 43.64		5.22
			For Galvanized Steel, Add	5.65	
			For 304 Stainless Steel, Add	44.83	
			For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	65.72	
			For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	58.78	
			For Schedule 80, Add	6.02	
			For Concrete Fill, Add Per LF Of Pipe Bollard	10.81	
32 39 13 00-0005	LF		8" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated ..... 62.29		6.52
			For Galvanized Steel, Add	8.37	
			For 304 Stainless Steel, Add	66.50	
			For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	90.12	
			For Each Sleeve For Removable, Lockable Bollard, Add	94.22	
			For Schedule 80, Add	8.69	
			For Concrete Fill, Add Per LF Of Pipe Bollard	14.44	

**32 Exterior Improvements****32 30 Site Improvements****32 39 Manufactured Site Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 13 00-0006	LF		10" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	83.04	7.82
			<i>For Galvanized Steel, Add</i>	11.46	
			<i>For 304 Stainless Steel, Add</i>	90.99	
			<i>For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add</i>	100.56	
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	99.44	
			<i>For Schedule 80, Add</i>	11.67	
			<i>For Concrete Fill, Add Per LF Of Pipe Bollard</i>	17.81	
32 39 13 00-0007	LF		12" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	104.49	10.43
			<i>For Galvanized Steel, Add</i>	14.22	
			<i>For 304 Stainless Steel, Add</i>	112.91	
			<i>For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add</i>	142.40	
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	138.57	
			<i>For Schedule 80, Add</i>	14.63	
			<i>For Concrete Fill, Add Per LF Of Pipe Bollard</i>	21.05	
<b>32 39 13 00-0008</b>			<b>Cast Bollards</b> (32 39 13 00-0001)		
32 39 13 00-0009	EA		36" Cast Aluminum Bollard, Black Powder Coat Finish .....	1,031.69	31.28
			Note: 8-1/2" diameter, embedded mounting plate, all colors.		
32 39 13 00-0010	EA		36" Cast Aluminum Removable Bollard, Black Powder Coat Finish .....	1,760.49	31.28
			Note: 8-1/2" diameter, embedded mounting plate, lockable, all colors.		
32 39 13 00-0011	EA		36" Cast Iron Bollard, Powder Coat Finish.....	870.56	31.28
			Note: 8-1/2" diameter, embedded mounting plate, all colors.		
32 39 13 00-0012	EA		36" Cast Iron Removable Bollard, Black Powder Coat Finish .....	1,603.67	31.28
			Note: 8-1/2" diameter, embedded mounting plate, lockable, all colors.		
<b>32 39 23</b>			<b>Manufactured Concrete Bollards</b> (32 39)		
<b>32 39 23 00-0001</b>			<b>Concrete Bollards</b> (32 39 23)		
			Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any.		
<b>32 39 23 00-0002</b>			<b>Concrete Bollard, Exposed Aggregate</b> (32 39 23 00-0001)		
32 39 23 00-0003	EA		12" x 12" x 30" High Concrete Bollard, Light Sandblast.....	567.50	41.70
			Note: Surface mounted with anchor bolts embedded into grout pockets.		
32 39 23 00-0004	EA		12" Diameter x 30" High Concrete Bollard, Light Sandblast .....	567.50	41.70
			Note: Surface mounted with anchor bolts embedded into grout pockets.		
<b>32 39 23 00-0005</b>			<b>Poured In Place Concrete Bollard With Powder Coated Steel Exterior</b> (32 39 23)		
			Note: Includes high visibility powder coated steel exterior with welded anchoring tabs for embedding in concrete. Excludes excavation and concrete foundation.		
32 39 23 00-0006	EA		24" Exposed Height, 5-1/2" Diameter, Poured In Place Concrete Bollard With Powder Coated Steel Exterior .....	124.98	20.85
32 39 23 00-0007	EA		36" Exposed Height, 5-1/2" Diameter, Poured In Place Concrete Bollard With Powder Coated Steel Exterior .....	161.42	20.85
32 39 23 00-0008	EA		42" Exposed Height, 5-1/2" Diameter, Poured In Place Concrete Bollard With Powder Coated Steel Exterior .....	184.05	20.85
32 39 23 00-0009	EA		48" Exposed Height, 5-1/2" Diameter, Poured In Place Concrete Bollard With Powder Coated Steel Exterior .....	206.20	20.85
<b>32 39 25</b>			<b>Manufactured Wood Bollards</b> (32 39)		
<b>32 39 25 00-0001</b>			<b>Wood Bollards</b> (32 39 25)		
			Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
<b>32 39 25 00-0002</b>			<b>Wood Bollard, Pressure Treated Timber</b> (32 39 25 00-0001)		
32 39 25 00-0003	LF		4" x 4", Pressure Treated Wood Bollard .....	11.60	4.17
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	63.70	
32 39 25 00-0004	LF		6" x 6", Pressure Treated Wood Bollard .....	15.04	4.17
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	63.70	
32 39 25 00-0005	LF		8" x 8", Pressure Treated Wood Bollard .....	21.30	4.69
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	103.96	
32 39 25 00-0006	LF		10" x 10", Pressure Treated Wood Bollard .....	31.09	6.25
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	110.22	
32 39 25 00-0007	LF		12" x 12", Pressure Treated Wood Bollard .....	43.43	8.34
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	154.45	
<b>32 39 27</b>			<b>Manufactured Plastic Bollards</b> (32 39)		
<b>32 39 27 00-0001</b>			<b>Plastic Bollards</b> (32 39 27)		
			See CSI section 32 31 13 13-0001 for augering and filling holes for bollards.		
<b>32 39 27 00-0002</b>			<b>Recycled Plastic Bollards</b> (32 39 27 00-0001)		
32 39 27 00-0003	EA		6" x 6" x 33" Surface Mounted Recycled Plastic Bollard.....	179.82	20.85
			Note: Includes anchor bolts.		
32 39 27 00-0004	EA		6" Diameter x 6' Steel Reinforced Recycled Plastic Bollard.....	302.78	20.85
<b>32 39 27 00-0005</b>			<b>Plastic Bollard Covers</b> (32 39 27 00-0001)		
32 39 27 00-0006	EA		4" x 60", 1/8" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe .....	46.74	5.10
			<i>For Reflective Tape, Add</i>	5.80	
32 39 27 00-0007	EA		6" x 60", 1/8" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe .....	50.41	5.62
			<i>For Reflective Tape, Add</i>	5.80	
32 39 27 00-0008	EA		3" x 60", 1/4" Thick LDPE Bollard Cover, Fits 3" To 3 1/2" Pipe .....	65.02	5.10
			<i>For Reflective Tape, Add</i>	5.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 27 00-0009 EA 3-1/2" x 52", 1/4" Thick LDPE Bollard Cover, Fits 3 -1/2" To 4" Pipe <i>For Reflective Tape, Add</i>	65.02 5.80	5.10
32 39 27 00-0010 EA 3-1/2" x 68", 1/4" Thick LDPE Bollard Cover, Fits 3-1/2" To 4" Pipe <i>For Reflective Tape, Add</i>	73.55 5.80	5.10
32 39 27 00-0011 EA 4" x 52", 1/4" Thick LDPE Bollard Cover, Fits 4' To 4-1/2" Pipe <i>For Reflective Tape, Add</i>	65.02 5.80	5.10
32 39 27 00-0012 EA 4" x 60", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe <i>For Reflective Tape, Add</i>	66.24 5.80	5.10
32 39 27 00-0013 EA 5" x 52", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe <i>For Reflective Tape, Add</i>	65.02 5.80	5.10
32 39 27 00-0014 EA 5" x 60", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe <i>For Reflective Tape, Add</i>	66.24 5.80	5.10
32 39 27 00-0015 EA 5" x 72", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe <i>For Reflective Tape, Add</i>	94.26 5.80	5.10
32 39 27 00-0016 EA 6" x 52", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe <i>For Reflective Tape, Add</i>	66.04 5.80	5.62
32 39 27 00-0017 EA 6" x 65", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe <i>For Reflective Tape, Add</i>	85.53 5.80	5.62
32 39 27 00-0018 EA 6" x 84", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe <i>For Reflective Tape, Add</i>	97.93 5.80	5.62
32 39 27 00-0019 EA 7" x 56", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe <i>For Reflective Tape, Add</i>	81.68 5.80	6.12
32 39 27 00-0020 EA 8" x 52", 1/4" Thick LDPE Bollard Cover, Fits 7" To 7-5/16" Pipe <i>For Reflective Tape, Add</i>	88.99 5.80	6.12
32 39 27 00-0021 EA 8" x 69", 1/4" Thick LDPE Bollard Cover, Fits 8" To 8-5/8" Pipe <i>For Reflective Tape, Add</i>	88.99 5.80	6.12
32 39 27 00-0022 EA 10" x 69", 1/4" Thick LDPE Bollard Cover, Fits 10" To 11" Pipe <i>For Reflective Tape, Add</i>	121.90 5.80	6.12

**32 39 29 Manufactured Stone Bollards (32 39)**

32 39 29 00-0001 Stone Bollards (32 39 29)		
32 39 29 00-0002 Granite Bollards (32 39 29 00-0001)		
32 39 29 00-0003 EA 16" x 16" x 30" Granite Bollard, Smooth Matt Finish Note: Surface mounted with anchors embedded into grout pockets.	998.56	52.13
32 39 29 00-0004 EA 16" x 16" x 54" Granite Bollard, Smooth Matt Finish Note: Surface mounted with anchors embedded into grout pockets.	1,251.65	72.98
32 39 29 00-0005 EA 12" x 12" x 24" Granite Bollard, Rough Finish, Pyramid Top Note: Surface mounted with anchors embedded into grout pockets.	582.30	52.13
32 39 29 00-0006 EA 12" Diameter x 18" Granite Bollard, Smooth Matt Finish Note: Flat Top, surface mounted with anchors embedded into grout pockets.	928.93	41.70
32 39 29 00-0007 EA 24" x 24" x 20" Granite Bollard, Octagonal Cross Section Note: Smooth matt finish, flat top, surface mounted with anchors embedded into grout pockets.	1,424.87	41.70

**32 80 Irrigation (32)**

**32 84 Planting Irrigation (32 80)**

**32 84 13 Drip Irrigation (32 84)**

32 84 13 00-0001 Drip Emitter Irrigation Devices (32 84 13)		
32 84 13 00-0002 Drip Emitter Irrigation Valves (32 84 13 00-0001)		
32 84 13 00-0003 EA 1/2" Air/Vacuum Relief Valve For Drip Emitter Irrigation Systems (Rain Bird® ARV050)	28.61	7.08
32 84 13 00-0004 EA 1", Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV100)	43.13	7.08
32 84 13 00-0005 EA 3/4", Anti-Siphon, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV075)	42.12	7.08
32 84 13 00-0006 EA 3/4", Latching Solenoid, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV075TBOS)	55.76	7.08
32 84 13 00-0007 Drip Emitter Irrigation Filters (32 84 13 00-0001)		
32 84 13 00-0008 EA 3/4" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-075)	84.59	7.08
32 84 13 00-0009 EA 1" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-100)	85.34	7.08
32 84 13 00-0010 EA 3/4" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY075MPTX)	34.95	7.08
32 84 13 00-0011 EA 1" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY100MPTX)	35.56	7.08
32 84 13 00-0012 EA 1" Inlet/Outlet, Pressure Regulating, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® PRB-QCHK-100)	91.57	7.08
32 84 13 00-0013 EA 3/4" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF075RBY)	43.98	7.08
32 84 13 00-0014 EA 1" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF100RBY)	48.68	7.08
32 84 13 00-0015 Drip Emitter Irrigation Pressure Regulators (32 84 13 00-0001)		
32 84 13 00-0016 EA 3/4", 6 To 300 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-L30X-075)	34.35	7.08
32 84 13 00-0017 EA 3/4", 120 To 600 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M30X-075)	34.35	7.08
32 84 13 00-0018 EA 3/4", 120 To 600 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-075)	34.35	7.08

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 13 00-0019	EA		1", 120 To 900 GPH, 40 PSI, Inline Pressure Regulator For Drip Emmitter Irrigation Systems (Rain Bird® PSI-M40X-100).....	39.29	7.08
<b>32 84 13 00-0020</b>			<b>Drip Emmitter Irrigation Tubing</b> (32 84 13 00-0001) Note: Includes surface installation and covering of tubing with existing pine straw, pine bark etc.		
32 84 13 00-0021	LF		1/4", Landscape Dripline With Extruded Non-Pressure Compensating Drip Emitters (Rain Bird® LDQ0806100).....	2.57	0.99
32 84 13 00-0022	LF		1/2", Landscape Dripline With Extruded Pressure Compensating Drip Emitters (Rain Bird® XFD0612100).....	2.47	1.13
32 84 13 00-0023	LF		1/4", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emmitter Irrigation Systems (Rain Bird® XQ100).....	2.09	0.99
			<i>For Shallow Trenching And Backfill By Hand, Add</i>	4.06	
32 84 13 00-0024	LF		1/2", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emmitter Irrigation Systems (Rain Bird® XT700100).....	2.44	1.13
			<i>For Shallow Trenching And Backfill By Hand, Add</i>	4.40	
<b>32 84 13 00-0025</b>			<b>Drip Emmitter Irrigation Fittings</b> (32 84 13 00-0001)		
32 84 13 00-0026	EA		1/4", Barbed Coupling For Irrigation Tubing (Rain Bird® XBF1CONN).....	1.86	
32 84 13 00-0027	EA		1/4", Barbed Elbow For Irrigation Tubing (Rain Bird® XBF2EL).....	1.88	
32 84 13 00-0028	EA		1/4", Barbed Tee For Irrigation Tubing (Rain Bird® XBF3TEE).....	1.90	
32 84 13 00-0029	EA		1/4", Self Piercing Barbed Coupling For Irrigation Tubing (Rain Bird® SPB025).....	1.99	
32 84 13 00-0030	EA		1/4", Plug For Irrigation Tubing (Rain Bird® EMAGPX).....	1.85	
32 84 13 00-0031	EA		17mm, Barbed Coupling For Irrigation Tubing (Rain Bird® XFFCOUP).....	1.95	
			<i>For Compression Fitting, Add</i>	0.18	
32 84 13 00-0032	EA		17mm, Barbed Elbow For Irrigation Tubing (Rain Bird® XFF-ELBOW).....	2.00	
			<i>For Compression Fitting, Add</i>	0.23	
32 84 13 00-0033	EA		17mm, Barbed Tee For Irrigation Tubing (Rain Bird® XFF-TEE).....	2.03	
			<i>For Compression Fitting, Add</i>	0.26	
32 84 13 00-0034	EA		17mm, Barbed Male Adapter For Irrigation Tubing (Rain Bird® XFFMA050).....	2.04	
			<i>For Compression Fitting, Add</i>	0.27	
32 84 13 00-0035	EA		17mm, Barbed Cross For Irrigation Tubing (Rain Bird® XFDCROSS).....	2.15	
			<i>For Compression Fitting, Add</i>	0.38	
32 84 13 00-0036	EA		1/2", Plug For Irrigation Tubing (Rain Bird® MDCFCAP).....	2.27	
32 84 13 00-0037	EA		12 Gauge, Galvanized Stake For Irrigation Tubing (Rain Bird® TDS050BEND).....	1.13	
<b>32 84 13 00-0038</b>			<b>Drip Emitters</b> (32 84 13 00-0001)		
32 84 13 00-0039	EA		0.5 To 2 GPH, Single Outlet, Pressure Compensating Emmitter For Drip Emmitter Irrigation Systems (Rain Bird® XB20PC).....	3.82	
32 84 13 00-0040	EA		5 To 24 GPH, Single Outlet, Pressure Compensating Emmitter For Drip Emmitter Irrigation Systems (Rain Bird® PC24).....	4.30	
32 84 13 00-0041	EA		0.5 To 2 GPH, Six Outlet, Pressure Compensating Emmitter For Drip Emmitter Irrigation Systems (Rain Bird® XB056).....	8.70	
<b>32 84 13 00-0042</b>			<b>Drip Emmitter Irrigation Micro-Bubblers, Sprays And Misters</b> (32 84 13 00-0001)		
32 84 13 00-0043	EA		Adjustable Stream Bubbler With Spike For Drip Emmitter Irrigation Systems (Rain Bird® SXB360SPYK).....	14.90	6.37
32 84 13 00-0044	EA		Adjustable Micro Spray With Spike For Drip Emmitter Irrigation Systems (Rain Bird® XS360TSPYK).....	14.93	6.37
32 84 13 00-0045	EA		12" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emmitter Irrigation Systems (Rain Bird® SQADP12 With SQFUL).....	16.25	6.37
32 84 13 00-0046	EA		24" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emmitter Irrigation Systems (Rain Bird® SQADP24 With SQFUL).....	16.40	6.37
32 84 13 00-0047	EA		4" Pop-Up Height, Micro Spray Pop-Ups For Drip Emmitter Irrigation Systems (Rain Bird® XP-400X With SQFUL).....	23.50	8.35
			Note: Includes nozzle.		
32 84 13 00-0048	EA		6" Pop-Up Height, Micro Spray Pop-Ups For Drip Emmitter Irrigation Systems (Rain Bird® XP-600X With SQFUL).....	25.21	8.35
			Note: Includes nozzle.		
32 84 13 00-0049	EA		12" Pop-Up Height, Micro Spray Pop-Ups For Drip Emmitter Irrigation Systems (Rain Bird® XP1200X With SQFUL).....	24.98	8.35
			Note: Includes nozzle.		
<b>32 84 13 00-0050</b>			<b>Subsurface Drip Emmitter Irrigation Tubing (Rain Bird® XFS)</b> (32 84 13 00-0001) Note: Brown or purple tubing. Includes layout, trenching 4" to 6", installing tubing and backfilling trench.		
32 84 13 00-0051	LF		0.536" ID, 0.634" OD, Subsurface Drip Emmitter Irrigation Tubing (Rain Bird® XFS Copper Shield).....	2.82	1.24
<b>32 84 23</b>			<b>Underground Sprinklers</b> (32 84)		
<b>32 84 23 00-0001</b>			<b>Sprinkler Heads</b> (32 84 23)		
<b>32 84 23 00-0002</b>			<b>Spray Sprinkler Heads</b> (32 84 23 00-0001) Note: Includes plastic riser and case. Includes spray, variable arc or bubbler nozzle with partial or full circle coverage.		
32 84 23 00-0003	EA		2" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1802P).....	20.83	7.82
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0004	EA		4" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1804P).....	19.86	7.82
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0005	EA		6" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1806P).....	23.45	7.82
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0006	EA		12" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1812P).....	26.46	7.82
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0007	EA		4" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1804-SAM).....	21.21	7.82
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0008	EA		6" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1806-SAM).....	26.27	7.82
			<i>For Rotary Nozzle, Add</i>	3.25	



		<b>Exterior Improvements</b>	<b>32</b>
		Irrigation	32 80
		Planting Irrigation	32 84

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0009	EA		12" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1812-SAM) .....	28.71	7.82
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0010	EA		4" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1804-PRS).....	22.65	7.82
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0011	EA		6" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1806-PRS).....	27.26	7.82
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0012	EA		12" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1812-PRS).....	29.54	7.82
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0013	EA		4" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1804-SAM-PRS).....	23.23	7.82
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0014	EA		6" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1806-SAM-PRS).....	30.31	7.82
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0015	EA		12" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1812-SAM-PRS).....	32.55	7.82
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0016	EA		Bubbler Head With Screen, 1/2" NPT (Rain Bird® 1300) .....	17.97	7.82
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0017	EA		Pressure Compensating Bubbler With Screen, 1/2" NPT (Rain Bird® 1400) .....	20.22	7.82
<b>32 84 23 00-0018</b>			<b>Gear-Drive, Rotary Sprinkler Heads</b> <small>(32 84 23 00-0001)</small>		
			Note: Maximum spacing is equivalent to maximum radius.		
<b>32 84 23 00-0019</b>			<b>1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Heads</b> <small>(32 84 23 00-0018)</small>		
			Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0020	EA		4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 3504PC) .....	27.94	7.82
			<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0021	EA		4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 3504-PC-SAM).....	28.74	7.82
			<i>For Non-Potable Cover, Add</i>	2.00	
<b>32 84 23 00-0022</b>			<b>3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Heads</b> <small>(32 84 23 00-0018)</small>		
			Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0023	EA		4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5004-PLPC).....	26.02	7.82
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0024	EA		6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5006-PLPC).....	34.66	7.82
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0025	EA		4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5004-PLPCS) .....	27.62	7.82
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0026	EA		6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5006-PLPCS) .....	35.94	7.82
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0027	EA		4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator (Rain Bird® 5004+PCR) .....	28.26	7.82
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0028	EA		4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5004+FCSR) .....	29.54	7.82
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0029	EA		6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5006+PCSR) .....	37.86	7.82
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0030	EA		12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5012+PCSR) .....	42.99	7.82
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0031	EA		Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5000S-PLPCS) .....	29.38	7.82
			<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0032	EA		Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5000S+PCSR).....	34.50	7.82
			<i>For Non-Potable Cover, Add</i>	2.00	
<b>32 84 23 00-0033</b>			<b>1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Heads</b> <small>(32 84 23 00-0018)</small>		
			Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0034	EA		4" Pop-Up Height, 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® F4PC) .....	46.67	7.82
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
			<i>For Stainless Steel Riser And High Speed Rotor, Add</i>	23.57	
<b>32 84 23 00-0035</b>			<b>1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Heads</b> <small>(32 84 23 00-0018)</small>		
			Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		



**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0036	EA		5" Pop-Up Height, 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 8005).....	65.24	7.82
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
<b>32 84 23 00-0037</b>			<b>Impact-Drive Sprinkler Heads</b> (32 84 23 00-0001)		
			Note: Includes partial or full circle coverage. Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0038	EA		1/2" Inlet, Up To 45' Spacing, Pop-Up, Impact-Drive Rotary Sprinkler Head (Rain Bird® 2045A-08).....	37.70	7.82
			<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0039	EA		1/2" Inlet, Up To 45' Spacing, Riser Mounted, Plastic Body, Impact-Drive Sprinkler Head (Rain Bird® 2045-PJ08).....	30.02	7.82
32 84 23 00-0040	EA		3/4" Inlet, Up To 51' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head (Rain Bird® 35A-ADJ-TNTB) .....	55.62	7.82
<b>32 84 23 00-0041</b>			<b>Electric Remote Control Irrigation Valves</b> (32 84 23)		
<b>32 84 23 00-0042</b>			<b>0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® DV Series)</b> (32 84 23 00-0041)		
			Note: 15 to 150 PSI.		
32 84 23 00-0043	EA		3/4", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 75DV).....	87.80	32.59
32 84 23 00-0044	EA		1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DV).....	87.80	32.59
32 84 23 00-0045	EA		1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DVSS).....	97.12	37.16
32 84 23 00-0046	EA		1", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Angle Valve (Rain Bird® 100DVA) .....	88.44	32.59
<b>32 84 23 00-0047</b>			<b>0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves With Flow Control (Rain Bird® DVF Series)</b> (32 84 23 00-0041)		
			Note: 15 to 150 PSI.		
32 84 23 00-0048	EA		1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVF) .....	88.44	32.59
32 84 23 00-0049	EA		1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFSS) .....	98.08	37.16
32 84 23 00-0050	EA		1", 0.2 To 40 GPM, Male x Barb, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFMB).....	98.72	37.16
<b>32 84 23 00-0051</b>			<b>0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® PEB Series)</b> (32 84 23 00-0041)		
			Note: 20 to 200 PSI.		
32 84 23 00-0052	EA		1", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100PEB) .....	139.67	32.59
32 84 23 00-0053	EA		1-1/2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 150PEB) .....	162.09	32.59
32 84 23 00-0054	EA		2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 200PEB) .....	190.91	32.59
<b>32 84 23 00-0055</b>			<b>5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® PEB PRS-D Series)</b> (32 84 23 00-0041)		
			Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0056	EA		1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100PEB PRS-D) .....	196.77	36.63
32 84 23 00-0057	EA		1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150PEB PRS-D) .....	219.18	36.63
32 84 23 00-0058	EA		2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200PEB PRS-D).....	248.00	36.63
<b>32 84 23 00-0059</b>			<b>20 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator And Scrubber Valve (Rain Bird® PESB PRS-D Series)</b> (32 84 23 00-0041)		
			Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0060	EA		1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 100PESB PRS-D) .....	228.79	36.63
32 84 23 00-0061	EA		1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 150PESB PRS-D) .....	251.20	36.63
32 84 23 00-0062	EA		2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 200PESB PRS-D) .....	280.02	36.63
<b>32 84 23 00-0063</b>			<b>0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves (Hunter IBV Series)</b> (32 84 23 00-0041)		
			Note: 20 to 200 PSI operating range pressure.		
32 84 23 00-0064	EA		1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B) .....	203.43	32.59
32 84 23 00-0065	EA		1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B) .....	306.47	32.59
32 84 23 00-0066	EA		2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B) .....	315.79	32.59
32 84 23 00-0067	EA		3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B) .....	732.39	44.00
<b>32 84 23 00-0068</b>			<b>5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Rain Bird® EFB-CP Series)</b> (32 84 23 00-0041)		
			Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0069	EA		1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 100EFB-CP) .....	189.82	36.63



<b>Exterior Improvements</b>		<b>32</b>
Irrigation		32 80
Planting Irrigation		32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0070 EA 1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 125EFB-CP) .....	220.46	36.63
32 84 23 00-0071 EA 1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 150EFB-CP) .....	253.73	36.63
32 84 23 00-0072 EA 2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 200EFB-CP) .....	297.54	36.63
<b>32 84 23 00-0073 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Hunter IBV FS Series) (32 84 23 00-0041)</b> Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0074 EA 1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B-FS) .....	247.42	36.63
32 84 23 00-0075 EA 1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B-FS) .....	369.68	36.63
32 84 23 00-0076 EA 2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B-FS) .....	380.16	36.63
32 84 23 00-0077 EA 3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B-FS) .....	779.55	36.63
<b>32 84 23 00-0078 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV ACCU-SYNC Series) (32 84 23 00-0041)</b> Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0079 EA 1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-101G-B ACCU-SYNC-ADJ) .....	250.00	32.59
32 84 23 00-0080 EA 1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-151G-B ACCU-SYNC-ADJ) .....	353.05	32.59
32 84 23 00-0081 EA 2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-201G-B ACCU-SYNC-ADJ) .....	362.37	32.59
32 84 23 00-0082 EA 3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-301G-B ACCU-SYNC-ADJ) .....	778.96	44.00
<b>32 84 23 00-0083 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® EFB-CP PRS-D Series) (32 84 23 00-0041)</b> Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0084 EA 1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100EFB-CP PRS-D) .....	237.85	36.63
32 84 23 00-0085 EA 1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 125EFB-CP PRS-D) .....	268.49	36.63
32 84 23 00-0086 EA 1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150EFB-CP PRS-D) .....	301.76	36.63
32 84 23 00-0087 EA 2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200EFB-CP PRS-D) .....	345.57	36.63
<b>32 84 23 00-0088 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV FS ACCU-SYNC Series) (32 84 23 00-0041)</b> Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0089 EA 1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-101G-B-FS ACCU-SYNC-ADJ) .....	293.99	36.63
32 84 23 00-0090 EA 1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-151G-B-FS ACCU-SYNC-ADJ) .....	416.25	36.63
32 84 23 00-0091 EA 2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-201G-B-FS ACCU-SYNC-ADJ) .....	426.73	36.63
32 84 23 00-0092 EA 3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-301G-B-FS ACCU-SYNC-ADJ) .....	826.12	36.63
<b>32 84 23 00-0093 Other Electric Remote Control Valves/Accessories (32 84 23 00-0041)</b>		
32 84 23 00-0094 EA Pressure Regulator Module For Electric Remote Control Valves (Rain Bird® PRS-DIAL) .....	74.11	
<b>32 84 23 00-0095 Irrigation Valve Boxes (32 84 23)</b> Note: Includes lid.		
32 84 23 00-0096 EA 6" Round Irrigation Valve Box With Lid (Rain Bird® PVB-6RND) .....	54.65	23.46
32 84 23 00-0097 EA 7" Round Irrigation Valve Box With Lid (Rain Bird® VB-7RND) .....	62.22	23.46
32 84 23 00-0098 EA 10" Round Irrigation Valve Box With Lid (Rain Bird® VB-10RND) .....	81.65	30.90
32 84 23 00-0099 EA 21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-STD) .....	142.02	45.11
32 84 23 00-0100 EA 21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-STDH) .....	144.91	45.11
32 84 23 00-0101 EA 26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-JMB) .....	165.65	45.11
32 84 23 00-0102 EA 26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-JMBH) .....	168.12	45.11
32 84 23 00-0103 EA 33.1" x 23.8" x 15" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-SPRH) .....	286.63	45.11
32 84 23 00-0104 EA 40.3" x 27.1" x 18" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-MAXH) .....	440.12	45.11
<b>32 84 23 00-0105 Irrigation Controllers (32 84 23)</b> See CSI section 27 14 13 16-0256 for low voltage wiring.		

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0106			Irrigation Controllers (32 84 23 00-0105)		
32 84 23 00-0107			Irrigation Controllers (Rain Bird®) (32 84 23 00-0106)		
32 84 23 00-0108			Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP Series) (32 84 23 00-0107)		
32 84 23 00-0109			Four Program, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) (32 84 23 00-0108)		
32 84 23 00-0110			Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-MEI Series) (32 84 23 00-0109)		
32 84 23 00-0111	EA		4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	159.84	15.59
32 84 23 00-0112	EA		7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	223.38	15.59
32 84 23 00-0113	EA		10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	286.91	15.59
32 84 23 00-0114	EA		13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	350.44	15.59
32 84 23 00-0115	EA		16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	398.39	15.59
32 84 23 00-0116	EA		19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	463.87	15.59
32 84 23 00-0117	EA		22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	529.36	15.59
32 84 23 00-0118			Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) (32 84 23 00-0109)		
32 84 23 00-0119	EA		4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	186.26	15.59
32 84 23 00-0120	EA		7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	249.80	15.59
32 84 23 00-0121	EA		10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	313.33	15.59
32 84 23 00-0122	EA		13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	376.86	15.59
32 84 23 00-0123	EA		16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	424.81	15.59
32 84 23 00-0124	EA		19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	490.29	15.59
32 84 23 00-0125	EA		22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	555.78	15.59
32 84 23 00-0126			Four Program, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) (32 84 23 00-0108)		
32 84 23 00-0127			Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTEI Series) (32 84 23 00-0126)		
32 84 23 00-0128	EA		4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	251.62	15.59
32 84 23 00-0129	EA		7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	315.16	15.59
32 84 23 00-0130	EA		10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	378.69	15.59
32 84 23 00-0131	EA		13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	442.22	15.59
32 84 23 00-0132	EA		16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	490.17	15.59
32 84 23 00-0133	EA		19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	555.65	15.59
32 84 23 00-0134	EA		22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	621.14	15.59
32 84 23 00-0135			Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) (32 84 23 00-0126)		
32 84 23 00-0136	EA		4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	271.42	15.59
32 84 23 00-0137	EA		7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	334.96	15.59
32 84 23 00-0138	EA		10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	398.49	15.59
32 84 23 00-0139	EA		13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	462.02	15.59
32 84 23 00-0140	EA		16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	509.97	15.59
32 84 23 00-0141	EA		19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	575.45	15.59
32 84 23 00-0142	EA		22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	640.94	15.59
32 84 23 00-0143			Accessories For ESP-ME/MEI Irrigation Controllers (32 84 23 00-0108)		
32 84 23 00-0144	EA		3-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM3)..... Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	65.48	
32 84 23 00-0145	EA		6-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM6)..... Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	125.46	
32 84 23 00-0146	EA		Smart Controller Upgrade Kit For ESP Series Irrigation Controllers (Rain Bird® ESPSMTEUPG).....	173.06	
32 84 23 00-0147			Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Series) (32 84 23 00-0107)		
32 84 23 00-0148			Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Basic Series) (32 84 23 00-0147)		
32 84 23 00-0149	EA		12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	376.65	15.59
32 84 23 00-0150	EA		16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	456.57	15.59
32 84 23 00-0151	EA		20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	537.76	15.59
32 84 23 00-0152	EA		24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	617.69	15.59
32 84 23 00-0153	EA		28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	698.89	15.59
32 84 23 00-0154	EA		32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	778.80	15.59
32 84 23 00-0155	EA		36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	860.00	15.59
32 84 23 00-0156	EA		40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	939.92	15.59



<b>Exterior Improvements</b>		<b>32</b>
Irrigation		32 80
Planting Irrigation		32 84

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0157 EA 44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,021.12	15.59
32 84 23 00-0158 EA 48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,101.04	15.59
<b>32 84 23 00-0159 Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LXME Series) (32 84 23 00-0147)</b>		
32 84 23 00-0160 EA 8-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	373.61	15.59
32 84 23 00-0161 EA 12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	453.53	15.59
32 84 23 00-0162 EA 16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	534.73	15.59
32 84 23 00-0163 EA 20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	614.64	15.59
32 84 23 00-0164 EA 24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	695.85	15.59
32 84 23 00-0165 EA 28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	775.77	15.59
32 84 23 00-0166 EA 32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	856.96	15.59
32 84 23 00-0167 EA 36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	936.88	15.59
32 84 23 00-0168 EA 40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,018.08	15.59
32 84 23 00-0169 EA 44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,098.00	15.59
32 84 23 00-0170 EA 48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,179.21	15.59
<b>32 84 23 00-0171 Accessories For ESP-LX/LXME Irrigation Controllers (32 84 23 00-0147)</b>		
32 84 23 00-0172 EA Powder Coated Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMM).....	272.83	
32 84 23 00-0173 EA Powder Coated Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMPED + LXMM).....	632.15	
Note: Excludes concrete foundation.		
32 84 23 00-0174 EA Stainless Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSS).....	596.39	
32 84 23 00-0175 EA Stainless Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSSPED + LXMMSS).....	1,324.12	
Note: Excludes concrete foundation.		
32 84 23 00-0176 EA 4-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM4).....	79.92	
Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.		
32 84 23 00-0177 EA 8-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM8).....	161.12	
Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.		
32 84 23 00-0178 EA 12-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM12).....	249.85	
Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.		
32 84 23 00-0179 EA Flow Smart Water Management Module For ESP-LXME Irrigation Controllers (Rain Bird® FSM-LXME).....	92.04	
<b>32 84 23 00-0180 Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) (32 84 23 00-0107)</b>		
<b>32 84 23 00-0181 Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) (32 84 23 00-0180)</b>		
32 84 23 00-0182 EA 1-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....	181.31	15.59
32 84 23 00-0183 EA 2-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....	219.32	15.59
32 84 23 00-0184 EA 4-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....	273.55	15.59
<b>32 84 23 00-0185 Accessories For TBOS-II Series Irrigation Controllers (32 84 23 00-0180)</b>		
32 84 23 00-0186 EA Field Transmitter For TBOS-II Series Irrigation Controllers (Rain Bird® TBOS2FTUS).....	224.25	
32 84 23 00-0187 EA Potted Latching Solenoid For TBOS-II Series Irrigation Controllers (Rain Bird® TBOSPOL).....	46.39	11.69
<b>32 84 23 00-0188 Accessories For Irrigation Controllers (Rain Bird®) (32 84 23 00-0107)</b>		
32 84 23 00-0189 EA Wired Rain Sensor For Irrigation Controllers (Rain Bird® RSDBEX).....	67.90	11.69
32 84 23 00-0190 EA Wireless Rain Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RC).....	137.53	11.69
32 84 23 00-0191 EA Wireless Rain/Freeze Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RFC).....	145.21	11.69
32 84 23 00-0192 EA Soil Moisture Sensor And Controller Interface For Irrigation Controllers (Rain Bird® SMRT-Y).....	211.85	11.69
<b>32 84 23 00-0193 Two-Wire Decoder Systems (32 84 23 00-0105)</b>		
<b>32 84 23 00-0194 Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0193)</b>		
<b>32 84 23 00-0195 Controllers For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series) (32 84 23 00-0194)</b>		
Note: Includes water resistant cabinet.		
32 84 23 00-0196 EA 50-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series).....	1,072.86	15.59
32 84 23 00-0197 EA 125-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series).....	1,544.24	15.59
32 84 23 00-0198 EA 200-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series).....	2,015.62	15.59
<b>32 84 23 00-0199 Field Decoders For Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0194)</b>		
32 84 23 00-0200 EA One Individual Valve Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD101TURF).....	132.62	15.59
32 84 23 00-0201 EA One Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD102TURF).....	168.60	15.59
32 84 23 00-0202 EA Two Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD202TURF).....	251.71	15.59
32 84 23 00-0203 EA Up To Four Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD401TURF).....	306.03	15.59
32 84 23 00-0204 EA Up To Six Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD601TURF).....	504.72	15.59

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
32 84 23 00-0205		<b>Accessories For Two-Wire Decoder Systems (Rain Bird®)</b> (32 84 23 00-0194)			
32 84 23 00-0206	EA	50-Station Replacement Base Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® MOD50-LXD).....	799.60		
32 84 23 00-0207	EA	75-Station Expansion Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® SPLXDSM75).....	471.37		
32 84 23 00-0208	EA	Line Surge Protection For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® LSP1TURF).....	100.37		13.64
32 84 23 00-0209	EA	Sensor Decoder Interface For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® SD210TURF).....	445.82		15.59
32 84 23 00-0210		<b>Calsense Controllers</b> (32 84 23 00-0105)			
32 84 23 00-0211		<b>Irrigation Controllers</b> (32 84 23 00-0210)			
32 84 23 00-0212	EA	6 Station ET-Driven Irrigation Controller (Calsense ET2000E-6).....	1,544.95		38.97
32 84 23 00-0213	EA	8 Station ET-Driven Irrigation Controller (Calsense ET2000E-8).....	1,998.19		43.83
32 84 23 00-0214	EA	12 Station ET-Driven Irrigation Controller (Calsense ET2000E-12).....	2,751.67		48.70
32 84 23 00-0215	EA	16 Station ET-Driven Irrigation Controller (Calsense ET2000E-16).....	3,031.43		48.70
32 84 23 00-0216	EA	24 Station ET-Driven Irrigation Controller (Calsense ET2000E-24).....	3,587.04		53.58
32 84 23 00-0217	EA	32 Station ET-Driven Irrigation Controller (Calsense ET2000E-32).....	4,337.61		53.58
32 84 23 00-0218	EA	40 Station ET-Driven Irrigation Controller (Calsense ET2000E-40).....	4,913.67		58.45
32 84 23 00-0219	EA	48 Station ET-Driven Irrigation Controller (Calsense ET2000E-48).....	5,507.30		58.45
32 84 23 00-0220	EA	Upgrade Existing Calsense Controller To ET2000E (Calsense ET2000E-UPGRADE).....	1,589.72		19.48
32 84 23 00-0221	EA	Upgrade Existing Calsense Controller With 8 Additional Stations (Calsense STATION UPGRADE).....	659.27		19.48
32 84 23 00-0222	EA	Custom Top Entry 12 Gauge Stainless Steel With Programmable 8-Position Lock Assembly.....	647.40		81.49
		Note: Includes non-removable front access door internal mounted release handle.			
32 84 23 00-0223		<b>Irrigation Controller Accessories</b> (32 84 23 00-0210)			
32 84 23 00-0224	EA	Set Of 10 Keys For Calsense Controllers Or Enclosures (Calsense KEY-1).....	65.50		
32 84 23 00-0225	EA	Spare Lock For Enclosures (Calsense PAD).....	70.96		
32 84 23 00-0226	EA	Hardware And Software For Up To 4 Additional Light Circuits (Calsense L).....	80.70		4.87
32 84 23 00-0227	EA	Transformer For Irrigation Controllers (Calsense TR-1).....	107.20		19.48
32 84 23 00-0228	EA	AC Line Protection For Irrigation Controllers (Calsense TP-110).....	318.73		19.48
32 84 23 00-0229	EA	Transient Protection Board For Irrigation Controller Stations (Calsense TP-1).....	427.90		19.48
		For Outdoor Gray Powder Coated Stainless Steel Enclosure, Add	308.25		
32 84 23 00-0230		<b>Sensors For Irrigation Controllers</b> (32 84 23 00-0210)			
32 84 23 00-0231		<b>Flow Sensors</b> (32 84 23 00-0230)			
32 84 23 00-0232	EA	1-1/2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 1.5).....	754.43		29.22
		For Flow Meter Replacement Insert Only, Deduct	-420.46		
32 84 23 00-0233	EA	2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 2).....	781.72		29.22
		For Flow Meter Replacement Insert Only, Deduct	-447.75		
32 84 23 00-0234	EA	3" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 3).....	809.01		29.22
		For Flow Meter Replacement Insert Only, Deduct	-475.04		
32 84 23 00-0235	EA	1" Brass Tee Mounted Flow Meter (Calsense FM 1B).....	889.91		38.97
		For Flow Meter Replacement Insert Only, Deduct	-555.72		
32 84 23 00-0236	EA	1-1/4" Brass Tee Mounted Flow Meter (Calsense FM 1.25B).....	958.15		38.97
		For Flow Meter Replacement Insert Only, Deduct	-623.96		
32 84 23 00-0237	EA	1-1/2" Brass Tee Mounted Flow Meter (Calsense FM 1.5B).....	985.44		38.97
		For Flow Meter Replacement Insert Only, Deduct	-651.25		
32 84 23 00-0238	EA	2" Brass Tee Mounted Flow Meter (Calsense FM 2B).....	1,162.84		38.97
		For Flow Meter Replacement Insert Only, Deduct	-700.37		
32 84 23 00-0239	EA	2" Pipe Saddle Mounted Insertion Flow Meter (Calsense FMBX).....	912.35		19.48
		Note: For 4" and larger pipe. Excludes pipe saddle.			
		For Flow Meter Replacement Insert Only, Deduct	-449.88		
32 84 23 00-0240		<b>Moisture Sensors</b> (32 84 23 00-0230)			
32 84 23 00-0241	EA	Soil Moisture Sensor (Calsense 1000-S).....	315.80		14.61
32 84 23 00-0242		<b>Weather Sensors</b> (32 84 23 00-0230)			
32 84 23 00-0243	EA	Wind Gage, Irrigation Weather Sensor (Calsense WG-1).....	862.62		38.97
32 84 23 00-0244	EA	Tipping Rain Bucket, Irrigation Weather Sensor (Calsense RB-1).....	967.83		77.94
32 84 23 00-0245	EA	ET Gage, Irrigation Weather Sensor (Calsense ETG).....	1,993.30		58.45
32 84 23 00-0246		<b>Weather Sensor Accessories</b> (32 84 23 00-0230)			
32 84 23 00-0247	EA	Replacement Ceramic Cup For ET Gage Weather Sensor (Calsense ETG-C).....	584.83		
32 84 23 00-0248	EA	Replacement Circuit Board For ET Gage Weather Sensor (Calsense ETG-PCB).....	1,117.05		
32 84 23 00-0249	EA	Vandal Resistant Mounting Base For ET Gage Enclosure (Calsense ETGE-BASE).....	584.83		19.48
32 84 23 00-0250	EA	Vandal Resistant Stainless Steel Enclosure For ET Gage (Calsense ETGE).....	1,377.32		19.48
32 84 23 00-0251		<b>Antennas For Irrigation Controllers</b> (32 84 23 00-0210)			
		Note: Excludes antenna cable.			
32 84 23 00-0252	EA	Local Radio Dome Antenna (Calsense LR-DOME).....	298.26		19.48
32 84 23 00-0253	EA	Local Radio Stick Antenna (Calsense LR-STICK).....	441.54		19.48
32 84 23 00-0254	EA	Local Radio Yagi Antenna (Calsense LR-YAGI).....	480.51		38.97
32 84 23 00-0255	EA	Local Radio And Calsense Radio, Remote Dome Antenna (Calsense LR-DOME-RR).....	298.26		19.48



		<b>Exterior Improvements</b>	<b>32</b>
		Irrigation	32 80
		Planting Irrigation	32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0256 EA Local Radio And Calsense Radio, Enhanced Remote Dome Antenna (Calsense LR-DOME-RRE) .....	298.26	19.48
32 84 23 00-0257 EA GPRS Stubby Antenna (Calsense GR-STUBBY) .....	298.26	19.48
32 84 23 00-0258 EA GPRS Stick Antenna (Calsense GR-STICK) .....	441.54	19.48
32 84 23 00-0259 EA Spread Spectrum Dome Antenna (Calsense SR-DOME) .....	298.26	19.48
32 84 23 00-0260 EA Spread Spectrum Stick Antenna (Calsense SR-STICK) .....	441.54	19.48
32 84 23 00-0261 EA Spread Spectrum Yagi Antenna (Calsense SR-YAGI) .....	480.51	38.97
32 84 23 00-0262 EA Spread Spectrum And Calsense Radio, Remote Dome Antenna (Calsense SR-DOME-RR) .....	298.26	19.48
32 84 23 00-0263 EA Spread Spectrum And Calsense Radio, Enhanced Remote Dome Antenna (Calsense SR-DOME-RRE) .....	298.26	19.48
32 84 23 00-0264 EA Spread Spectrum Stubby Antenna (Calsense SR-STUBBY) .....	298.26	19.48
32 84 23 00-0265 EA WiFi Stubby Antenna (Calsense WEN-STUBBY) .....	298.26	19.48
32 84 23 00-0266 LF Antenna Cable With End Connectors (Calsense LMR-400-DB) .....	8.38	0.23
32 84 23 00-0267 EA Surge Protection Device For Antenna (Calsense ANT-PROT) .....	306.06	9.74
32 84 23 00-0268 EA 5' High, Non-Penetrating, Antenna Tripod Mount (Calsense ANT-TRIP5) .....	496.13	19.48
32 84 23 00-0269 EA 3' Antenna Stand Off Mount For 3' Maximum Tower Leg (Calsense ANT-SOM) .....	443.51	
32 84 23 00-0270 EA Local Radio Frequency Filter (Calsense LR-FILTER) .....	627.74	
32 84 23 00-0271 EA Spread Spectrum Frequency Filter (Calsense SR-FILTER) .....	463.98	
<b>32 84 23 00-0272 Pedestals And Enclosures For Irrigation Controllers (32 84 23 00-0210)</b>		
32 84 23 00-0273 EA 15 Amp, Circuit Breaker With Enclosure For Irrigation Controllers (Calsense SSE-BREAKER) .....	263.15	29.22
32 84 23 00-0274 EA Standard Gray Powder Coated Stainless Steel Controller Enclosure (Calsense C-BOX) .....	655.68	48.70
32 84 23 00-0275 EA Indoor Wall Mount, Stainless Steel Back Panel (Calsense SSBP) .....	755.42	19.48
Note: Includes GFI and receptacle.		
32 84 23 00-0276 EA Standard Gray Powder Coated Stainless Steel Pedestal (Calsense PD-1) .....	909.43	14.61
Note: Includes factory installed transient protection board and AC line protection.		
32 84 23 00-0277 EA Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE) .....	2,875.47	14.61
Note: Includes factory installed transient protection board and AC line protection.		
32 84 23 00-0278 EA Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-R) .....	3,249.82	14.61
Note: Includes factory installed transient protection board, AC line protection and dome antenna.		
32 84 23 00-0279 EA Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D) .....	4,708.84	29.22
Note: Includes factory installed transient protection boards and AC line protection. Pre-wired for two controllers.		
32 84 23 00-0280 EA Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D-R) .....	4,936.80	29.22
Note: Includes factory installed transient protection boards, AC line protection and dome antenna. Pre-wired for two controllers.		
32 84 23 00-0281 EA Bolt Mounting Template For Heavy-Duty Stainless Steel Enclosures (Calsense SSE-CAM) .....	158.61	
32 84 23 00-0282 EA Stainless Steel Fully Enclosed Riser For Calsense SSE Enclosures (Calsense SSE-PED) .....	513.67	
<b>32 84 23 00-0283 Central Computer For Irrigation Control Systems (32 84 23 00-0210)</b>		
32 84 23 00-0284 EA Central Computer For Irrigation Control Systems (Calsense COMP-2) .....	3,624.30	
Note: Includes a minimum of 133 MHz Pentium, 32 Meg Ram, 1.2 GB hard drive, 14.4 modem and a printer. Excludes Command Center Water Management software.		
32 84 23 00-0285 EA Command Center Water Management Software For Central Computer (Calsense COMM-1) .....	6,428.06	
32 84 23 00-0286 EA Up To 5 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-5) .....	1,229.06	
Note: Package price for up to 5 users. Includes remote communication through internet connection.		
32 84 23 00-0287 EA >5 To 10 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-10) .....	2,430.86	
Note: Package price for 6 to 10 users. Includes remote communication through internet connection.		
32 84 23 00-0288 EA Data Logger With Phone Modem For Irrigation Control Systems (Calsense DL-2) .....	3,917.63	
32 84 23 00-0289 EA GPRS Radio For Use At Central Computer (Calsense DTR-G) .....	2,344.73	
<b>32 84 23 00-0290 Data Access Service (32 84 23 00-0210)</b>		
32 84 23 00-0291 EA 1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN) .....	19.85	
Note: For communication between GPRS unit and up to 2 controllers.		
32 84 23 00-0292 EA 1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR) .....	217.10	
Note: For communication between GPRS unit and up to 2 controllers.		
32 84 23 00-0293 EA 5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR) .....	930.45	
Note: For communication between GPRS unit and up to 2 controllers.		
32 84 23 00-0294 EA 1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN-M) .....	80.64	
Note: For communication between GPRS unit and multiple controllers.		
32 84 23 00-0295 EA 1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR-M) .....	868.42	
Note: For communication between GPRS unit and multiple controllers.		
32 84 23 00-0296 EA 5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR-M) .....	3,721.80	
Note: For communication between GPRS unit and multiple controllers.		
<b>32 84 23 00-0297 Communication Options For Irrigation Controllers (32 84 23 00-0210)</b>		
32 84 23 00-0298 EA FCC License Fee (Calsense) .....	124.93	
32 84 23 00-0299 EA P.C.I.A. And/Or A.P.C.O. Fee (Calsense) .....	248.99	
Note: Per frequency or frequency pair.		
32 84 23 00-0300 EA Hardware Communication Option For Irrigation Controllers (Calsense M) .....	719.55	
Note: Allows multiple controllers to be chained together via a communications cable and share one phone line.		
32 84 23 00-0301 EA Phone Line Communication Option For Irrigation Controllers (Calsense R) .....	756.77	
32 84 23 00-0302 EA Ethernet Communication Option For Irrigation Controllers (Calsense EN) .....	756.77	
32 84 23 00-0303 EA WiFi Communication Option For Irrigation Controllers (Calsense WEN) .....	1,550.75	
32 84 23 00-0304 EA Local Radio Communication Option For Irrigation Controllers (Calsense LR) .....	1,972.55	
32 84 23 00-0305 EA Spread Spectrum Radio Communication Option For Irrigation Controllers (Calsense SR) .....	1,972.55	
32 84 23 00-0306 EA GPRS Radio Modem Communication Option For Irrigation Controllers (Calsense GR) .....	1,972.55	
32 84 23 00-0307 EA Fiber Optic Modem Communication Option For Irrigation Controllers (Calsense FOM) .....	6,327.06	
32 84 23 00-0308 EA Communication Hub For Irrigation Controllers (Calsense HUB) .....	2,429.35	
Note: Accepts up to two communication options. Excludes communication options.		

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
32 84 23 00-0309		<b>Retrofit Options For Irrigation Controllers</b> (32 84 23 00-0210)			
32 84 23 00-0310		<b>Weather Retrofits For Irrigation Controllers</b> (32 84 23 00-0309)			
32 84 23 00-0311	EA	Add One Flow Sensor Interface To An Existing Calsense Controller (Calsense F-RETRO) .....	950.81		
32 84 23 00-0312	EA	Add One ET Gage Interface To An Existing Calsense Controller (Calsense G-RETRO) .....	950.81		
32 84 23 00-0313	EA	Add One Tipping Rain Bucket Interface To An Existing Calsense Controller (Calsense RB-RETRO) .....	950.81		
32 84 23 00-0314	EA	Add One Wind Gage Interface To An Existing Calsense Controller (Calsense WG-RETRO) .....	950.81		
32 84 23 00-0315		<b>Phone Communication Retrofits For Irrigation Controllers</b> (32 84 23 00-0309)			
32 84 23 00-0316	EA	Add The Ability To Chain To Another Calsense Controller With The Phone Line Communication Option And Share One Phone Line (Calsense M-RETRO) .....	1,000.43		
32 84 23 00-0317	EA	Add The Phone Line Communication Option To An Existing Calsense Controller (Calsense R-RETRO) .....	1,186.53		
32 84 23 00-0318	EA	Add The Phone Line Communication Option And The Ability To Chain To Another Calsense Controller And Share One Phone Line (Calsense MLR-RETRO) .....	1,912.28		
32 84 23 00-0319		<b>Local Radio Communication Retrofits For Irrigation Controllers</b> (32 84 23 00-0309)			
32 84 23 00-0320	EA	Add The Ability To Chain To Another Calsense Controller With The Local Radio Communication Option And Share One Local Radio (Calsense ML-RETRO) .....	1,124.49		
32 84 23 00-0321	EA	Add The Local Radio Communication Option To An Existing Calsense Controller (Calsense LR-RETRO) .....	2,389.91		
32 84 23 00-0322	EA	Add The Local Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Local Radio (Calsense MLR-RETRO) .....	3,109.45		
32 84 23 00-0323		<b>Spread Spectrum Radio Communication Retrofits For Irrigation Controllers</b> (32 84 23 00-0309)			
32 84 23 00-0324	EA	Add The Ability To Chain To Another Calsense Controller With The Spread Spectrum Radio Communication Option And Share One Spread Spectrum Radio (Calsense MS-Retro) .....	1,124.49		
32 84 23 00-0325	EA	Add The Spread Spectrum Radio Communication Option To An Existing Calsense Controller (Calsense SR-RETRO) .....	2,389.91		
32 84 23 00-0326	EA	Add The Spread Spectrum Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Spread Spectrum Radio (Calsense MSR-RETRO) .....	3,109.45		
32 84 23 00-0327		<b>Ethernet Communication Retrofits For Irrigation Controllers</b> (32 84 23 00-0309)			
32 84 23 00-0328	EA	Add The Ability To Chain To Another Calsense Controller With The Ethernet Communication Option And Share One Ethernet Device (Calsense ME-RETRO) .....	1,124.49		
32 84 23 00-0329	EA	Add The Ethernet Communication Option To An Existing Calsense Controller (Calsense EN-RETRO) .....	1,186.53		
32 84 23 00-0330	EA	Add The Ethernet Communication Option And The Ability To Chain To Another Calsense Controller And Share One Ethernet Device (Calsense MEN-RETRO) .....	1,912.28		
32 84 23 00-0331		<b>GPRS Radio Modem Communication Retrofits For Irrigation Controllers</b> (32 84 23 00-0309)			
32 84 23 00-0332	EA	Add The Ability To Chain To Another Calsense Controller With The GPRS Communication Option And Share One GPRS Modem (Calsense MG-RETRO) .....	1,124.49		
32 84 23 00-0333	EA	Add The GPRS Communication Option To An Existing Calsense Controller (Calsense GR-RETRO) .....	2,389.91		
32 84 23 00-0334	EA	Add The GPRS Communication Option And The Ability To Chain To Another Calsense Controller And Share One GPRS Modem (Calsense MGR-RETRO) .....	3,109.45		
32 84 23 00-0335		<b>Radio Remote Units For Irrigation Controllers</b> (32 84 23 00-0210)			
32 84 23 00-0336	EA	Enhanced Radio Remote Hand-Held Transmitter With Carry Case (Calsense RRE-TRAN) .....	1,130.70		
32 84 23 00-0337	EA	Calsense Integrated Radio Remote Receiver Board (Calsense RR/RRE) .....	245.64		
		Note: Includes polyvinyl chloride (PVC) stick antenna. Excludes antenna cable.			
32 84 23 00-0338	EA	Wall Mount Charger For Hand-Held Transmitter (Calsense RRTRAN-CHG) .....	105.45		
32 84 23 00-0339	EA	Replacement Battery For Hand-Held Transmitter (Calsense RRTRAN-BAT) .....	183.42		
32 84 23 00-0340	EA	Polyvinyl Chloride (PVC) Stick Antenna For Radio Remote Receiver Board (Calsense RR-ANT) .....	115.19	4.87	
		Note: Excludes antenna cable.			
32 84 23 00-0341	EA	Whip Antenna For Radio Remote Receiver Board (Calsense RRE-WHIP) .....	226.84	4.87	
		Note: Excludes antenna cable.			
32 84 23 00-0342	EA	Dome Antenna For Radio Remote Receiver Board (Calsense RR-Dome/RR-Dome) .....	245.45	4.87	
		Note: Excludes antenna cable.			
32 84 23 00-0343		<b>Satellite Irrigation Controllers (Rain Bird® ESP-SAT)</b> (32 84 23 00-0105)			
		Note: Satellite controllers compatible with Maxi-Con Central Control. Includes link communication with SEMET at the controller and stainless steel cabinet. Excludes concrete pad.			
32 84 23 00-0344	EA	12 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP12SATLS) .....	2,620.74	87.67	
32 84 23 00-0345	EA	24 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP24SATLS) .....	2,763.74	92.55	
32 84 23 00-0346	EA	40 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP40SATLS) .....	3,863.32	97.41	
32 84 23 00-0347		<b>Irrigation Valves</b> (32 84 23)			
32 84 23 00-0348		<b>Reduced Pressure Zone Valves With QT Shut-Offs</b> (32 84 23 00-0347)			
		Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).			
32 84 23 00-0349	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series) .....	521.60	26.91	
32 84 23 00-0350	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) .....	618.69	32.85	



<b>Exterior Improvements</b>		<b>32</b>
Irrigation		32 80
Planting Irrigation		32 84

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0351	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	937.27	38.24
32 84 23 00-0352	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	990.31	43.90
32 84 23 00-0353	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	1,187.39	56.65
<b>32 84 23 00-0354</b>			<b>Brass Quick-Coupling Irrigation Valves</b> (32 84 23 00-0347)		
32 84 23 00-0355	EA		3/4", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 3RC).....	93.14	23.46
			For Valve Key, Add	23.54	
32 84 23 00-0356	EA		3/4", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 33DRC).....	95.86	23.46
			For Locking Cover, Add	25.00	
			For Valve Key, Add	23.54	
32 84 23 00-0357	EA		1", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44RC).....	125.80	23.46
			For Valve Key, Add	60.20	
32 84 23 00-0358	EA		1", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44LRC).....	136.69	23.46
			For Valve Key, Add	60.20	
32 84 23 00-0359	EA		1", 1-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 5NP).....	131.56	23.46
32 84 23 00-0360	EA		1", 2-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 44NP).....	136.69	23.46
<b>32 84 23 00-0361</b>			<b>Anti-Siphon Pressure Type Vacuum Breaker</b> (32 84 23 00-0347)		
			Note: Pressure: 15 to 150 PSI, temperature: 33 to 140 degrees Fahrenheit.		
32 84 23 00-0362	EA		3/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	188.00	19.82
32 84 23 00-0363	EA		1" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	270.76	22.66
32 84 23 00-0364	EA		1-1/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	494.62	26.20
32 84 23 00-0365	EA		1-1/2" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	602.76	29.03
32 84 23 00-0366	EA		2" Anti-Siphon Pressure Type Vacuum Breaker.....	606.65	35.40
<b>32 84 23 00-0367</b>			<b>Manual Sprinkler Control Valves</b> (32 84 23 00-0347)		
32 84 23 00-0368	EA		3/4" Manual Sprinkler Control Valves, With Union.....	59.08	19.12
32 84 23 00-0369	EA		1" Manual Sprinkler Control Valves, With Union.....	71.99	20.54
32 84 23 00-0370	EA		1-1/4" Manual Sprinkler Control Valves, With Union.....	110.13	25.99
32 84 23 00-0371	EA		1-1/2" Manual Sprinkler Control Valves, With Union.....	130.51	29.95
32 84 23 00-0372	EA		2" Manual Sprinkler Control Valves, With Union.....	174.83	35.40
<b>32 84 23 00-0373</b>			<b>Irrigation Piping</b> (32 84 23)		
32 84 23 00-0374	LF		3/4" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings.....	2.04	0.82
			For >1,000, Deduct	-0.10	
32 84 23 00-0375	LF		1" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings.....	2.47	0.98
			For >1,000, Deduct	-0.12	
32 84 23 00-0376	LF		1-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings.....	3.56	1.24
			For >1,000, Deduct	-0.18	
32 84 23 00-0377	LF		2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings.....	4.65	1.55
			For >1,000, Deduct	-0.23	
32 84 23 00-0378	LF		2-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings.....	6.07	1.82
			For >1,000, Deduct	-0.30	
32 84 23 00-0379	LF		1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings.....	1.75	0.66
			For >1,000, Deduct	-0.09	
32 84 23 00-0380	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings.....	2.21	0.82
			For >1,000, Deduct	-0.11	
32 84 23 00-0381	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings.....	2.75	0.98
			For >1,000, Deduct	-0.14	
32 84 23 00-0382	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings.....	3.76	1.24
			For >1,000, Deduct	-0.19	
32 84 23 00-0383	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings.....	4.81	1.55
			For >1,000, Deduct	-0.24	
32 84 23 00-0384	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings.....	6.32	1.82
			For >1,000, Deduct	-0.32	
32 84 23 00-0385	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings.....	8.71	2.61
			For >1,000, Deduct	-0.44	
32 84 23 00-0386	LF		1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings.....	1.88	0.66
			For >1,000, Deduct	-0.09	
32 84 23 00-0387	LF		3/4" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings.....	2.37	0.82
			For >1,000, Deduct	-0.12	
32 84 23 00-0388	LF		1" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings.....	3.01	0.98
			For >1,000, Deduct	-0.15	
32 84 23 00-0389	LF		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings.....	4.28	1.24
			For >1,000, Deduct	-0.21	
32 84 23 00-0390	LF		2" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings.....	5.68	1.55
			For >1,000, Deduct	-0.28	
32 84 23 00-0391	LF		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings.....	7.44	1.82
			For >1,000, Deduct	-0.37	
32 84 23 00-0392	LF		3" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings.....	10.28	2.61
			For >1,000, Deduct	-0.51	
32 84 23 00-0393	LF		1/2" Poly Pipe, 100 PSI, Non NSF.....	1.25	0.70
			For >1,000, Deduct	-0.06	
32 84 23 00-0394	LF		3/4" Poly Pipe, 100 PSI, Non NSF.....	1.33	0.74
			For >1,000, Deduct	-0.07	
32 84 23 00-0395	LF		1" Poly Pipe, 100 PSI, Non NSF.....	1.61	0.86
			For >1,000, Deduct	-0.08	
32 84 23 00-0396	LF		1-1/4" Poly Pipe, 100 PSI, Non NSF.....	2.02	1.00
			For >1,000, Deduct	-0.10	



**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0397	LF		1-1/2" Poly Pipe, 100 PSI, Non NSF.....	2.39	1.13
			<i>For &gt;1,000, Deduct</i>	-0.12	
32 84 23 00-0398	LF		2" Poly Pipe, 100 PSI, Non NSF.....	3.21	1.39
			<i>For &gt;1,000, Deduct</i>	-0.16	
32 84 23 00-0399	LF		3/4" Poly Pipe, 80 PSI, NSF.....	1.84	0.74
			<i>For &gt;1,000, Deduct</i>	-0.09	
32 84 23 00-0400	LF		1" Poly Pipe, 80 PSI, NSF.....	2.24	0.86
			<i>For &gt;1,000, Deduct</i>	-0.11	
32 84 23 00-0401	LF		1-1/4" Poly Pipe, 80 PSI, NSF.....	2.96	1.00
			<i>For &gt;1,000, Deduct</i>	-0.15	
32 84 23 00-0402	LF		1-1/2" Poly Pipe, 80 PSI, NSF.....	3.58	1.13
			<i>For &gt;1,000, Deduct</i>	-0.18	
32 84 23 00-0403	LF		2" Poly Pipe, 80 PSI, NSF.....	5.03	1.39
			<i>For &gt;1,000, Deduct</i>	-0.25	
32 84 23 00-0404	LF		3/4" Poly Pipe, 100 PSI, NSF, High Density.....	1.38	0.74
			<i>For &gt;1,000, Deduct</i>	-0.07	
32 84 23 00-0405	LF		1" Poly Pipe, 100 PSI, NSF, High Density.....	1.68	0.86
			<i>For &gt;1,000, Deduct</i>	-0.08	
32 84 23 00-0406	LF		1-1/4" Poly Pipe, 100 PSI, NSF, High Density.....	2.12	1.00
			<i>For &gt;1,000, Deduct</i>	-0.11	
32 84 23 00-0407	LF		1-1/2" Poly Pipe, 100 PSI, NSF, High Density.....	2.55	1.13
			<i>For &gt;1,000, Deduct</i>	-0.13	
32 84 23 00-0408	LF		2" Poly Pipe, 100 PSI, NSF, High Density.....	3.47	1.39
			<i>For &gt;1,000, Deduct</i>	-0.17	
32 84 23 00-0409	LF		2-1/2" Poly Pipe, 100 PSI, NSF, High Density.....	4.23	1.63
			<i>For &gt;1,000, Deduct</i>	-0.21	
32 84 23 00-0410	LF		3" Poly Pipe, 100 PSI, NSF, High Density.....	4.59	1.79
			<i>For &gt;1,000, Deduct</i>	-0.23	
<b>32 84 23 00-0411</b>			<b>Irrigation Swing Joints</b> <i>(32 84 23)</i>		
32 84 23 00-0412	EA		3/4" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12075).....	35.47	12.97
32 84 23 00-0413	EA		1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12).....	40.30	14.48
32 84 23 00-0414	EA		1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint With 70 PSI Pressure Regulator (Rain Bird® TSJ100PRS).....	53.11	14.48
<b>32 84 23 00-0415</b>			<b>Irrigation Control Wire</b> <i>(32 84 23)</i>		
			Note: Excludes excavation and backfill.		
<b>32 84 23 00-0416</b>			<b>18 AWG, Irrigation Control Wire, Buried In Trench</b> <i>(32 84 23 00-0415)</i>		
32 84 23 00-0417	CLF		1-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	31.04	9.78
32 84 23 00-0418	CLF		2-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	40.69	11.40
32 84 23 00-0419	CLF		3-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	46.82	13.04
32 84 23 00-0420	CLF		4-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	53.58	14.67
32 84 23 00-0421	CLF		5-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	60.98	16.30
32 84 23 00-0422	CLF		6-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	72.88	17.93
32 84 23 00-0423	CLF		7-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	84.26	19.55
32 84 23 00-0424	CLF		8-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	91.55	21.19
32 84 23 00-0425	CLF		9-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	100.52	22.82
32 84 23 00-0426	CLF		10-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	110.82	24.44
32 84 23 00-0427	CLF		11-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	114.70	26.08
32 84 23 00-0428	CLF		12-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	119.23	27.71
32 84 23 00-0429	CLF		13-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench.....	125.80	29.33
<b>32 84 23 00-0430</b>			<b>16 AWG, Irrigation Control Wire, Buried In Trench</b> <i>(32 84 23 00-0415)</i>		
32 84 23 00-0431	CLF		1-Conductor, 16 AWG, Irrigation Control Wire, Buried In Trench.....	32.73	9.78
<b>32 84 23 00-0432</b>			<b>14 AWG, Irrigation Control Wire, Buried In Trench</b> <i>(32 84 23 00-0415)</i>		
32 84 23 00-0433	CLF		1-Conductor, 14 AWG, Irrigation Control Wire, Buried In Trench.....	32.74	9.78
<b>32 84 23 00-0434</b>			<b>12 AWG, Irrigation Control Wire, Buried In Trench</b> <i>(32 84 23 00-0415)</i>		
32 84 23 00-0435	CLF		1-Conductor, 12 AWG, Irrigation Control Wire, Buried In Trench.....	43.96	9.78
<b>32 84 23 00-0436</b>			<b>10 AWG, Irrigation Control Wire, Buried In Trench</b> <i>(32 84 23 00-0415)</i>		
32 84 23 00-0437	CLF		1-Conductor, 10 AWG, Irrigation Control Wire, Buried In Trench.....	58.18	9.78
<b>32 84 23 00-0438</b>			<b>Root Watering Systems</b> <i>(32 84 23)</i>		
			Note: Includes swing assembly.		
32 84 23 00-0439	EA		0.25 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1401).....	56.63	13.04
			<i>For Root Watering Sand Sock, Add</i>	3.13	
32 84 23 00-0440	EA		0.25 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1401).....	60.87	13.04
			<i>For Root Watering Sand Sock, Add</i>	3.13	
32 84 23 00-0441	EA		0.5 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1402).....	56.63	13.04
			<i>For Root Watering Sand Sock, Add</i>	3.13	



<b>Exterior Improvements</b>		<b>32</b>
Irrigation		32 80
Planting Irrigation		32 84

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84	23 00-0442	EA	0.5 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1402) .....	60.87	13.04
			<i>For Root Watering Sand Sock, Add</i> .....	3.13	
32 84	23 00-0443	EA	1 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1404) .....	60.87	13.04
			<i>For Root Watering Sand Sock, Add</i> .....	3.13	
32 84	23 00-0444	EA	0.25 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1401) .....	49.17	11.40
			<i>For Root Watering Sand Sock, Add</i> .....	2.80	
32 84	23 00-0445	EA	0.25 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1401) .....	53.24	11.40
			<i>For Root Watering Sand Sock, Add</i> .....	2.80	
32 84	23 00-0446	EA	0.5 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1402) .....	49.17	11.40
			<i>For Root Watering Sand Sock, Add</i> .....	2.80	
32 84	23 00-0447	EA	0.5 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1402) .....	53.24	11.40
			<i>For Root Watering Sand Sock, Add</i> .....	2.80	
32 84	23 00-0448	EA	0.25 GPM Bubbler On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-1401) .....	33.57	9.78
			<i>For Root Watering Sand Sock, Add</i> .....	2.48	
32 84	23 00-0449	EA	0.25 GPM Bubbler And Check Valve On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-C-1401) .....	37.44	9.78
			<i>For Root Watering Sand Sock, Add</i> .....	2.48	

**32 90 Planting** <sup>(32)</sup>

Note: Plant installation includes the initial watering only. The extended watering period for the establishment of lawns, plants and trees is addressed on a per plant per amount per occurrence basis as directed in the specification. cvs = cultivar. See CSI section 32 01 90 26-0000 for additional "extended watering period" tasks.

**32 91 Planting Preparation** <sup>(32 90)</sup>

**32 91 13 Soil Preparation** <sup>(32 91)</sup>

**32 91 13 16 Mulching** <sup>(32 91 13)</sup>

**32 91 13 16-0001 Mulch** <sup>(32 91 13 16)</sup>

Note: Includes loading, delivery up to 15 miles and spreading. 1 CY = 108 SF of mulch spread 3" thick. See CSI section 01 74 19 00-0032 for hauling greater than 15 miles.

32 91	13 16-0002	CY	Pine Bark Nugget Mulch .....	62.14	
			<i>For Work On Slopes &gt;2.5:1, Add</i> .....	6.66	
			<i>For &gt;5 To 20, Deduct</i> .....	-4.77	
			<i>For &gt;20 To 50, Deduct</i> .....	-7.16	
			<i>For &gt;50, Deduct</i> .....	-10.27	
32 91	13 16-0003	CY	Hardwood Bark Nugget Mulch .....	60.98	
			<i>For Work On Slopes &gt;2.5:1, Add</i> .....	6.66	
			<i>For &gt;5 To 20, Deduct</i> .....	-4.71	
			<i>For &gt;20 To 50, Deduct</i> .....	-7.07	
			<i>For &gt;50, Deduct</i> .....	-10.12	
32 91	13 16-0004	CY	Pine Wood Chip Mulch .....	58.67	
			<i>For Work On Slopes &gt;2.5:1, Add</i> .....	6.66	
			<i>For &gt;5 To 20, Deduct</i> .....	-4.60	
			<i>For &gt;20 To 50, Deduct</i> .....	-6.90	
			<i>For &gt;50, Deduct</i> .....	-9.83	
32 91	13 16-0005	CY	Hardwood Chip Mulch .....	63.29	
			<i>For Work On Slopes &gt;2.5:1, Add</i> .....	6.66	
			<i>For &gt;5 To 20, Deduct</i> .....	-4.83	
			<i>For &gt;20 To 50, Deduct</i> .....	-7.24	
			<i>For &gt;50, Deduct</i> .....	-10.41	
32 91	13 16-0006	CY	Shredded Hardwood Mulch .....	63.29	
			<i>For Work On Slopes &gt;2.5:1, Add</i> .....	6.66	
			<i>For &gt;5 To 20, Deduct</i> .....	-4.83	
			<i>For &gt;20 To 50, Deduct</i> .....	-7.24	
			<i>For &gt;50, Deduct</i> .....	-10.41	
32 91	13 16-0007	CY	Shredded Pine Mulch .....	52.91	
			<i>For Work On Slopes &gt;2.5:1, Add</i> .....	6.66	
			<i>For &gt;5 To 20, Deduct</i> .....	-4.31	
			<i>For &gt;20 To 50, Deduct</i> .....	-6.47	
			<i>For &gt;50, Deduct</i> .....	-9.11	
32 91	13 16-0008	CY	Shredded Cedar Mulch .....	75.40	
			<i>For Work On Slopes &gt;2.5:1, Add</i> .....	6.66	
			<i>For &gt;5 To 20, Deduct</i> .....	-5.44	
			<i>For &gt;20 To 50, Deduct</i> .....	-8.15	
			<i>For &gt;50, Deduct</i> .....	-11.92	
32 91	13 16-0009	CY	Shredded Cypress Mulch .....	73.67	
			<i>For Work On Slopes &gt;2.5:1, Add</i> .....	6.66	
			<i>For &gt;5 To 20, Deduct</i> .....	-5.35	
			<i>For &gt;20 To 50, Deduct</i> .....	-8.02	
			<i>For &gt;50, Deduct</i> .....	-11.71	
32 91	13 16-0010	CY	Shredded Redwood Mulch .....	78.28	
			<i>For Work On Slopes &gt;2.5:1, Add</i> .....	6.66	
			<i>For &gt;5 To 20, Deduct</i> .....	-5.58	
			<i>For &gt;20 To 50, Deduct</i> .....	-8.37	
			<i>For &gt;50, Deduct</i> .....	-12.28	

**32 Exterior Improvements****32 90 Planting****32 91 Planting Preparation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 16-0011	CY		Pea Gravel Mulch.....	62.11	
			<i>For Work On Slopes &gt;2.5:1, Add</i>	6.66	
			<i>For &gt;5 To 20, Deduct</i>	-4.77	
			<i>For &gt;20 To 50, Deduct</i>	-7.16	
			<i>For &gt;50, Deduct</i>	-10.26	
32 91 13 16-0012	CY		Stone/Gravel Mulch, Marble Chips.....	185.11	
			<i>For Work On Slopes &gt;2.5:1, Add</i>	6.66	
			<i>For &gt;5 To 20, Deduct</i>	-10.92	
			<i>For &gt;20 To 50, Deduct</i>	-16.38	
			<i>For &gt;50, Deduct</i>	-25.64	
32 91 13 16-0013	CY		Stone Mulch, Decomposed Granite Chips.....	92.33	
			<i>For Work On Slopes &gt;2.5:1, Add</i>	6.66	
			<i>For &gt;5 To 20, Deduct</i>	-6.28	
			<i>For &gt;20 To 50, Deduct</i>	-9.42	
			<i>For &gt;50, Deduct</i>	-14.04	
32 91 13 16-0014	CY		Chunk Recycled Tire Mulch.....	122.85	
			<i>For Work On Slopes &gt;2.5:1, Add</i>	8.42	
			<i>For &gt;5 To 20, Deduct</i>	-8.25	
			<i>For &gt;20 To 50, Deduct</i>	-12.37	
			<i>For &gt;50, Deduct</i>	-18.51	
32 91 13 16-0015	CY		Chunk Colored Recycled Tire Mulch.....	202.43	
			<i>For Work On Slopes &gt;2.5:1, Add</i>	8.42	
			<i>For &gt;5 To 20, Deduct</i>	-12.23	
			<i>For &gt;20 To 50, Deduct</i>	-18.34	
			<i>For &gt;50, Deduct</i>	-28.46	
32 91 13 16-0016	CY		Shredded Recycled Tire Mulch.....	203.59	
			<i>For Work On Slopes &gt;2.5:1, Add</i>	8.42	
			<i>For &gt;5 To 20, Deduct</i>	-12.29	
			<i>For &gt;20 To 50, Deduct</i>	-18.43	
			<i>For &gt;50, Deduct</i>	-28.61	
32 91 13 16-0017	CY		Shredded Colored Recycled Tire Mulch.....	362.76	
			<i>For Work On Slopes &gt;2.5:1, Add</i>	8.42	
			<i>For &gt;5 To 20, Deduct</i>	-20.24	
			<i>For &gt;20 To 50, Deduct</i>	-30.37	
			<i>For &gt;50, Deduct</i>	-48.50	
32 91 13 16-0018	EA		Pine Straw Mulch Bale.....	5.87	
			Note: Covers 50 SF at a thickness of 2" to 4" forming a uniform mat through which none of the original ground surface can be seen.		
			<i>For Work On Slopes &gt;2.5:1, Add</i>	0.37	
			<i>For &gt;100 To 250, Deduct</i>	-0.39	
			<i>For &gt;250 To 500, Deduct</i>	-0.48	
			<i>For &gt;500, Deduct</i>	-0.68	
32 91 13 16-0019	EA		Wheat Straw Mulch Bale.....	6.12	
			Note: Covers 350 SF forming a uniform mat through which 20 to 40% of the original ground surface can be seen.		
			<i>For Work On Slopes &gt;2.5:1, Add</i>	0.28	
			<i>For &gt;100 To 250, Deduct</i>	-0.38	
			<i>For &gt;250 To 500, Deduct</i>	-0.44	
			<i>For &gt;500, Deduct</i>	-0.68	
<b>32 91 13 26</b>			<b>Planting Beds</b> (32 91 13)		
			Note: Not for use when installing trees and shrubs.		
<b>32 91 13 26-0001</b>			<b>Plant Bed Preparation</b> (32 91 13 26)		
			Note: Not for use when installing trees and shrubs.		
32 91 13 26-0002	SF		Prepare And Mix Plant Bed, Up To 8" Deep By Machine.....	0.50	
			Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
			<i>For Work On Slopes &gt;2.5:1, Add</i>	0.10	
32 91 13 26-0003	SF		Prepare And Mix Plant Bed, 9" To 13" Deep By Machine.....	0.59	
			Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
			<i>For Work On Slopes &gt;2.5:1, Add</i>	0.12	
32 91 13 26-0004	SF		Prepare And Mix Plant Bed, 14" To 18" Deep By Machine.....	0.69	
			Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
			<i>For Work On Slopes &gt;2.5:1, Add</i>	0.14	
32 91 13 26-0005	SF		Prepare And Mix Plant Bed By Hand, Up To 8" Deep.....	2.25	
			Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
			<i>For Work On Slopes &gt;2.5:1, Add</i>	0.45	
32 91 13 26-0006	SF		Prepare And Mix Plant Bed By Hand, 9" To 13" Deep.....	2.58	
			Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
			<i>For Work On Slopes &gt;2.5:1, Add</i>	0.52	
32 91 13 26-0007	SF		Prepare And Mix Plant Bed By Hand, 14" To 18" Deep.....	3.05	
			Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.		
			<i>For Work On Slopes &gt;2.5:1, Add</i>	0.61	
<b>32 91 13 26-0008</b>			<b>Planting Pit Preparation</b> (32 91 13 26)		
			Note: Not for use when installing trees and shrubs.		
32 91 13 26-0009	CY		Excavate Planting Pit By Hand, Sandy Soil.....	38.97	
			Note: For use with existing planting pits.		
			<i>For Work On Slopes &gt;2.5:1, Add</i>	7.79	



		<b>Exterior Improvements</b>	<b>32</b>
		Planting	32 90
		Planting Preparation	32 91

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91	13 26-0010	CY	Excavate Planting Pit By Hand, Heavy Soil ..... Note: For use with existing planting pits.	77.94	
			<i>For Work On Slopes &gt;2.5:1, Add</i>	15.59	
32 91	13 26-0011	CY	Excavate Planting Pit By Machine, Sandy Soil ..... Note: For use with existing planting pits.	6.41	
			<i>For Work On Slopes &gt;2.5:1, Add</i>	1.28	
32 91	13 26-0012	CY	Excavate Planting Pit By Machine, Heavy Soil ..... Note: For use with existing planting pits.	8.34	
			<i>For Work On Slopes &gt;2.5:1, Add</i>	1.67	
32 91	13 26-0013	CY	Backfill Planting Pit By Hand With Topsoil From Stockpile ..... <i>For Work On Slopes &gt;2.5:1, Add</i>	34.62	
				6.92	
32 91	13 26-0014	CY	Backfill Planting Pit By Hand With Contractor Furnished Planting Mix ..... <i>For Work On Slopes &gt;2.5:1, Add</i>	79.24	
				6.57	
32 91	13 26-0015	CY	Backfill Planting Pit By Machine, With Topsoil From Stockpile ..... <i>For Work On Slopes &gt;2.5:1, Add</i>	3.45	
				0.69	
32 91	13 26-0016	CY	Backfill Planting Pit By Machine, With Contractor Furnished Planting Mix ..... <i>For Work On Slopes &gt;2.5:1, Add</i>	56.12	
				1.95	
<b>32 91</b>	<b>13 26-0017</b>		<b>Weed Barrier</b> <small>(32 91 13 26)</small>		
	32 91 13 26-0018	SY	Up To 3 Oz/SY Non Woven, Polypropylene Weed Barrier ..... <i>For Work On Slopes &gt;2.5:1, Add</i>	1.24	
				0.06	
	32 91 13 26-0019	SY	4 Oz/SY Woven, Polypropylene Weed Barrier ..... <i>For Work On Slopes &gt;2.5:1, Add</i>	1.72	
				0.06	
	32 91 13 26-0020	SY	5 Oz/SY Woven, Needle Punched Polypropylene Weed Barrier ..... <i>For Work On Slopes &gt;2.5:1, Add</i>	1.93	
				0.06	
<b>32 91</b>	<b>13 33</b>		<b>Soil Conditioners</b> <small>(32 91 13)</small>		
<b>32 91</b>	<b>13 33-0001</b>		<b>Spread Soil Conditioners</b> <small>(32 91 13 33)</small>		
	32 91 13 33-0002	SY	Aluminum Sulfate 1 LB/SY, Push Spreader.....	0.21	
	32 91 13 33-0003	MSF	Aluminum Sulfate 110 LB/MSF Tractor Spreader.....	20.26	
	32 91 13 33-0004	MSF	Fertilizer, 20 LB/MSF, Push Spreader.....	3.33	
	32 91 13 33-0005	MSF	Fertilizer, 20 LB/MSF, Tractor Spread.....	1.45	
	32 91 13 33-0006	MSF	Fertilizer, 20 LB/MSF, Truck Spread.....	2.78	
	32 91 13 33-0007	SY	Pelletized Lime, 1 LB/SY, Push Spreader.....	0.05	
	32 91 13 33-0008	MSF	Pelletized Lime, 110 LB/MSF, Tractor Spreader.....	3.80	
	32 91 13 33-0009	SY	Perlite, 1" Deep, Push Spreader.....	1.84	
	32 91 13 33-0010	MSF	Perlite, 1" Deep, Tractor Spreader.....	192.05	
	32 91 13 33-0011	SY	Vermiculite, Push Spreader.....	1.71	
	32 91 13 33-0012	MSF	Vermiculite, Tractor Spreader.....	187.60	
<b>32 91</b>	<b>13 36</b>		<b>Lawn Bed Preparation</b> <small>(32 91 13)</small>		
<b>32 91</b>	<b>13 36-0001</b>		<b>Lawn Bed Preparation</b> <small>(32 91 13 36)</small>		
	32 91 13 36-0002	MSF	Rake Topsoil With Machine.....	39.75	
	32 91 13 36-0003	MSF	Rake Topsoil By Hand.....	31.17	
	32 91 13 36-0004	MSF	Screen Loam By Hand.....	20.78	
	32 91 13 36-0005	SY	Roll Topsoil With Machine.....	0.51	
	32 91 13 36-0006	SY	Roll Topsoil By Hand.....	1.39	
	32 91 13 36-0007	MSF	Removal Of Rocks And Debris With Machine.....	4.70	
	32 91 13 36-0008	MSF	Removal Of Rocks And Debris By Hand.....	14.54	
	32 91 13 36-0009	MSF	Root Raking And Loading, No Boulders.....	24.60	
			<i>For &gt;45 to 225, Deduct</i>	-17.22	
			<i>For &gt;225, Deduct</i>	-22.14	
	32 91 13 36-0010	MSF	Root Raking And Loading, With Boulders.....	41.00	
			<i>For &gt;45 to 225, Deduct</i>	-28.70	
			<i>For &gt;225, Deduct</i>	-36.90	
	32 91 13 36-0011	MSF	Up To 6" Deep Tilling Topsoil With Tractor.....	2.22	
	32 91 13 36-0012	MSF	>6" To 12" Deep Tilling Topsoil With Tractor ..... <i>For Work On Slopes &gt;2.5:1, Add</i>	4.50	
				0.90	
	32 91 13 36-0013	SY	Up To 2" Deep Tilling Topsoil With Rototiller.....	0.33	
	32 91 13 36-0014	SY	>2" To 4" Deep Tilling Topsoil With Rototiller.....	0.40	
	32 91 13 36-0015	SY	>4" To 6" Deep Tilling Topsoil With Rototiller.....	0.50	
	32 91 13 36-0016	LF	"V" Cut Soil For Edge Of Planting Beds.....	0.56	
<b>32 91</b>	<b>13 36-0017</b>		<b>Sod Removal</b> <small>(32 91 13 36)</small>		
	32 91 13 36-0018	SY	Removal Of Sod By Hand..... <i>For Work On Slopes &gt;2.5:1, Add</i>	2.62	
				0.52	
	32 91 13 36-0019	SY	Removal Of Sod With Machine..... <i>For Work On Slopes &gt;2.5:1, Add</i>	0.30	
				0.06	
	32 91 13 36-0020	SY	Pile Sod By Hand..... <i>For Work On Slopes &gt;2.5:1, Add</i>	1.56	
				0.31	
	32 91 13 36-0021	SY	Pile Sod With Machine..... <i>For Work On Slopes &gt;2.5:1, Add</i>	0.56	
				0.11	
<b>32 91</b>	<b>19</b>		<b>Landscape Grading</b> <small>(32 91)</small>		
<b>32 91</b>	<b>19 13</b>		<b>Topsoil Placement And Grading</b> <small>(32 91 19)</small>		

**32 Exterior Improvements****32 90 Planting****32 91 Planting Preparation**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 91 19 13-0001		<b>Remove And Stockpile Topsoil On Site</b> (32 91 19 13)		
32 91 19 13-0002	CY	Removal Of Topsoil, 4" Deep Stockpile On Site .....	2.61	
32 91 19 13-0003	CY	Removal Of Topsoil, 6" Deep Stockpile On Site .....	2.58	
32 91 19 13-0004		<b>Screening Topsoil</b> (32 91 19 13)		
32 91 19 13-0005	CY	Screen Topsoil With Vibrating Screen, Wet Material (Organic).....	5.86	
32 91 19 13-0006	CY	Screen Topsoil With Vibrating Screen, Dry Material .....	3.91	
32 91 19 13-0007		<b>Spreading Topsoil From Stockpile</b> (32 91 19 13)		
32 91 19 13-0008	CY	Spread Topsoil By Machine From Stockpile .....	3.87	
32 91 19 13-0009	CY	Spread Topsoil By Hand From Stockpile .....	29.74	
32 91 19 13-0010		<b>Furnish And Place Imported Screened Topsoil</b> (32 91 19 13)		
		Note: Includes delivery up to 15 miles from the closest approved source and spread by machine. Excludes hand spreading. See CSI section 01 74 19 00-0032 for hauling greater than 15 miles, 31 23 16 36-0030 for hand spreading.		
32 91 19 13-0011	SY	Furnish And Place Imported Screened Topsoil, 2" Deep .....	2.90	
		<i>For Unscreened, Deduct</i>	-0.49	
32 91 19 13-0012	SY	Furnish And Place Imported Screened Topsoil, 4" Deep .....	5.66	
		<i>For Unscreened, Deduct</i>	-0.97	
32 91 19 13-0013	SY	Furnish And Place Imported Screened Topsoil, 6" Deep .....	8.29	
		<i>For Unscreened, Deduct</i>	-1.46	
32 91 19 13-0014	SY	Furnish And Place Imported Screened Topsoil, 9" Deep .....	12.16	
		<i>For Unscreened, Deduct</i>	-2.19	
32 91 19 13-0015	SY	Furnish And Place Imported Screened Topsoil, 12" Deep .....	16.02	
		<i>For Unscreened, Deduct</i>	-2.92	
32 91 19 13-0016	CY	Furnish And Place Imported Screened Topsoil, Over 12" Deep .....	45.35	
		<i>For Unscreened, Deduct</i>	-8.75	
32 91 19 13-0017		<b>Scarify Soil For Planting Preparation</b> (32 91 19 13)		
		Note: Ripped in multiple directions with 3" maximum clods.		
32 91 19 13-0018	MSF	Up To 5,000 SF Scarify Up To 8" Soil With Machine .....	30.00	
32 91 19 13-0019	MSF	>5,000 To 20,000 SF Scarify Up To 8" Soil With Machine.....	21.00	
32 91 19 13-0020	MSF	>20,000 SF Scarify Up To 8" Soil With Machine.....	12.46	
<b>32 92 Turf And Grasses</b>				
<b>32 92 16 Plugging</b>				
32 92 16 00-0001		<b>Bermuda Or Centipede Plugging, 1" Deep</b> (32 92 16)		
		Note: Includes fine grade and soil preparation.		
32 92 16 00-0002		<b>6" On Center Plugging</b> (32 92 16 00-0001)		
32 92 16 00-0003	MSF	Plugging By Hand, 6" On Center .....	99.44	
32 92 16 00-0004	MSF	Plugging By Walk Behind Planter, 6" On Center.....	12.35	
32 92 16 00-0005	MSF	Plugging By Towed Planter, 6" On Center .....	8.81	
32 92 16 00-0006		<b>9" On Center Plugging</b> (32 92 16 00-0001)		
32 92 16 00-0007	MSF	Plugging By Hand, 9" On Center .....	76.34	
32 92 16 00-0008	MSF	Plugging By Walk Behind Planter, 9" On Center.....	9.74	
32 92 16 00-0009	MSF	Plugging By Towed Planter, 9" On Center .....	6.61	
32 92 16 00-0010		<b>12" On Center Plugging</b> (32 92 16 00-0001)		
32 92 16 00-0011	MSF	Plugging By Hand, 12" On Center .....	64.51	
32 92 16 00-0012	MSF	Plugging By Walk Behind Planter, 12" On Center.....	6.66	
32 92 16 00-0013	MSF	Plugging By Towed Planter, 12" On Center .....	4.25	
<b>32 92 19 Seeding</b>				
<b>32 92 19 13 Mechanical Seeding</b>				
		Note: Includes fertilizing, liming, mixing, seeding and initial watering.		
32 92 19 13-0001		<b>Tractor Spreader Mechanical Seeding</b> (32 92 19 13)		
		Note: Excludes straw. See CSI section 32 91 13 16-0019 for wheat straw mulch.		
32 92 19 13-0002	MSF	Common Bluegrass, Tractor Spreader .....	19.05	
		Note: 4 LB/MSF spread rate.		
32 92 19 13-0003	MSF	Tall Fescue, Tractor Spreader .....	15.47	
		Note: 5.5 LB/MSF spread rate.		
32 92 19 13-0004	MSF	Rye, Tractor Spreader .....	15.72	
		Note: 10 LB/MSF spread rate.		
32 92 19 13-0005	MSF	Shade Mix, Tractor Spreader.....	17.01	
		Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.		
32 92 19 13-0006	MSF	Turf Mix, Tractor Spreader.....	17.94	
		Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.		



<b>Exterior Improvements</b>		<b>32</b>
Planting		32 90
Turf And Grasses		32 92

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0007 MSF Slope Mix, Tractor Spreader.....	16.71	
Note: 6 LB/MSF spread rate.		
32 92 19 13-0008 MSF Utility Mix, Tractor Spreader.....	15.17	
Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.		
32 92 19 13-0009 MSF Wild Flower Mix, Tractor Spreader.....	12.26	
Note: 0.10 LB/MSF spread rate.		
32 92 19 13-0010 MSF Crown Vetch Mix, Tractor Spreader.....	35.23	
Note: 4 LB/MSF spread rate.		
32 92 19 13-0011 MSF Athletic Mix, Tractor Spreader.....	21.65	
Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
32 92 19 13-0012 MSF White Clover Mix, Tractor Spreader.....	12.23	
Note: 7 LB/MSF spread rate.		
32 92 19 13-0013 MSF Ladino Clover Mix, Tractor Spreader.....	13.46	
Note: 7 LB/MSF spread rate.		
<b>32 92 19 13-0014 Hydro Or Air Mechanical Seeding</b> <small>(32 92 19 13)</small>		
32 92 19 13-0015 MSF Common Bluegrass, Hydro Or Air Seeding.....	40.49	
Note: 4 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	45.12	
For >1 To 4, Add	29.13	
For >4 To 7.5, Add	19.82	
For >7.5 To 10, Add	9.91	
For >45, Deduct	-3.34	
For Tackifier, Add	0.80	
32 92 19 13-0016 MSF Tall Fescue, Hydro Or Air Seeding.....	42.66	
Note: 5.5 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	45.98	
For >1 To 4, Add	29.56	
For >4 To 7.5, Add	20.04	
For >7.5 To 10, Add	10.02	
For >45, Deduct	-3.45	
For Tackifier, Add	0.80	
32 92 19 13-0017 MSF Rye, Hydro Or Air Spread.....	40.59	
Note: 10 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	45.16	
For >1 To 4, Add	29.15	
For >4 To 7.5, Add	19.83	
For >7.5 To 10, Add	9.92	
For >45, Deduct	-3.34	
For Tackifier, Add	0.80	
32 92 19 13-0018 MSF Shade Mix, Hydro Or Air Seeding.....	40.49	
Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.		
For Spot Areas Up To 1, Add	45.12	
For >1 To 4, Add	29.13	
For >4 To 7.5, Add	19.82	
For >7.5 To 10, Add	9.91	
For >45, Deduct	-3.34	
For Tackifier, Add	0.80	
32 92 19 13-0019 MSF Turf Mix, Hydro Or Air Seeding.....	42.66	
Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.		
For Spot Areas Up To 1, Add	45.98	
For >1 To 4, Add	29.56	
For >4 To 7.5, Add	20.04	
For >7.5 To 10, Add	10.02	
For >45, Deduct	-3.45	
For Tackifier, Add	0.80	
32 92 19 13-0020 MSF Slope Mix, Hydro Or Air Seeding.....	41.73	
Note: 6 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	45.61	
For >1 To 4, Add	29.38	
For >4 To 7.5, Add	19.95	
For >7.5 To 10, Add	9.97	
For >45, Deduct	-3.40	
For Tackifier, Add	0.80	
32 92 19 13-0021 MSF Utility Mix, Hydro Or Air Seeding.....	40.98	
Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.		
For Spot Areas Up To 1, Add	45.31	
For >1 To 4, Add	29.23	
For >4 To 7.5, Add	19.87	
For >7.5 To 10, Add	9.94	
For >45, Deduct	-3.36	
For Tackifier, Add	0.80	
32 92 19 13-0022 MSF Wild Flower Mix, Hydro Or Air Seeding.....	38.58	
Note: 0.10 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	44.35	
For >1 To 4, Add	28.75	
For >4 To 7.5, Add	19.63	
For >7.5 To 10, Add	9.82	
For >45, Deduct	-3.24	
For Tackifier, Add	0.80	

**32 Exterior Improvements****32 90 Planting****32 92 Turf And Grasses**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0023	MSF		Crown Vetch Mix, Hydro Or Air Seeding.....	60.26	
			Note: 4 LB/MSF spread rate.		
			For Spot Areas Up To 1, Add	53.02	
			For >1 To 4, Add	33.08	
			For >4 To 7.5, Add	21.80	
			For >7.5 To 10, Add	10.90	
			For >45, Deduct	-4.33	
			For Tackifier, Add	0.80	
32 92 19 13-0024	MSF		Athletic Mix, Hydro Or Air Seeding.....	53.47	
			Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
			For Spot Areas Up To 1, Add	50.31	
			For >1 To 4, Add	31.73	
			For >4 To 7.5, Add	21.12	
			For >7.5 To 10, Add	10.56	
			For >45, Deduct	-3.99	
			For Tackifier, Add	0.80	
32 92 19 13-0025	MSF		White Clover Mix, Hydro Or Air Seeding.....	35.65	
			Note: 7 LB/MSF spread rate.		
			For Spot Areas Up To 1, Add	43.18	
			For >1 To 4, Add	28.16	
			For >4 To 7.5, Add	19.34	
			For >7.5 To 10, Add	9.67	
			For >45, Deduct	-3.10	
			For Tackifier, Add	0.80	
32 92 19 13-0026	MSF		Ladino Clover Mix, Hydro Or Air Seeding.....	39.26	
			Note: 7 LB/MSF spread rate.		
			For Spot Areas Up To 1, Add	44.62	
			For >1 To 4, Add	28.88	
			For >4 To 7.5, Add	19.70	
			For >7.5 To 10, Add	9.85	
			For >45, Deduct	-3.28	
			For Tackifier, Add	0.80	
32 92 19 13-0027	MSF		60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Hydro Or Air Spread.....	41.11	
			Note: 4 LB/MSF spread rate.		
			For Spot Areas Up To 1, Add	45.36	
			For >1 To 4, Add	29.25	
			For >4 To 7.5, Add	19.89	
			For >7.5 To 10, Add	9.94	
			For >45, Deduct	-3.37	
			For Tackifier, Add	0.80	
32 92 19 13-0028	MSF		2,500 LB/Acre, High Performance - Flexible Growth Medium.....	69.08	
			Note: Applied with seed. Excludes seed.		
			For >45, Deduct	-4.11	
32 92 19 13-0029	MSF		3,000 LB/Acre, High Performance - Flexible Growth Medium.....	80.93	
			Note: Applied with seed. Excludes seed.		
			For >45, Deduct	-4.74	
32 92 19 13-0030	MSF		3,500 LB/Acre, High Performance - Flexible Growth Medium.....	92.81	
			Note: Applied with seed. Excludes seed.		
			For >45, Deduct	-5.37	
32 92 19 13-0031	MSF		4,000 LB/Acre, High Performance - Flexible Growth Medium.....	104.73	
			Note: Applied with seed. Excludes seed.		
			For >45, Deduct	-6.00	
32 92 19 13-0032	MSF		4,500 LB/Acre, High Performance - Flexible Growth Medium.....	116.68	
			Note: Applied with seed. Excludes seed.		
			For >45, Deduct	-6.63	
<b>32 92 19 19</b>			<b>Seeding By Hand</b> (32 92 19)		
			Note: Includes fertilizing, liming, mixing, seeding and initial watering.		
<b>32 92 19 19-0001</b>			<b>Push Spreader Or Hand Seeding</b> (32 92 19 19)		
			Note: Excludes straw. See CSI section 32 91 13 16-0019 for wheat straw mulch.		
32 92 19 19-0002	MSF		Common Bluegrass, Push Spreader Or Hand.....	47.48	
			Note: 4 LB/MSF spread rate.		
			For >5 To 20, Deduct	-3.35	
			For >20 To 45, Deduct	-6.48	
			For >45, Deduct	-10.59	
32 92 19 19-0003	MSF		Tall Fescue, Push Spreader Or Hand.....	43.90	
			Note: 5.5 LB/MSF spread rate.		
			For >5 To 20, Deduct	-3.17	
			For >20 To 45, Deduct	-6.21	
			For >45, Deduct	-10.23	
32 92 19 19-0004	MSF		Rye, Push Spreader Or Hand.....	44.15	
			Note: 10 LB/MSF spread rate.		
			For >5 To 20, Deduct	-3.18	
			For >20 To 45, Deduct	-6.23	
			For >45, Deduct	-10.26	
32 92 19 19-0005	MSF		Shade Mix, Push Spreader Or Hand.....	45.44	
			Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.		
			For >5 To 20, Deduct	-3.25	
			For >20 To 45, Deduct	-6.33	
			For >45, Deduct	-10.39	



		<b>Exterior Improvements</b>	<b>32</b>
		Planting	32 90
		Turf And Grasses	32 92

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 19-0006 MSF Turf Mix, Push Spreader Or Hand ..... Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass. For >5 To 20, Deduct For >20 To 45, Deduct For >45, Deduct	46.37 -3.29 -6.40 -10.48	
32 92 19 19-0007 MSF Slope Mix, Push Spreader Or Hand..... Note: 6 LB/MSF spread rate. For >5 To 20, Deduct For >20 To 45, Deduct For >45, Deduct	45.14 -3.23 -6.31 -10.36	
32 92 19 19-0008 MSF Utility Mix, Push Spreader Or Hand..... Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass. For >5 To 20, Deduct For >20 To 45, Deduct For >45, Deduct	43.60 -3.15 -6.19 -10.20	
32 92 19 19-0009 MSF Wild Flower Mix, Push Spreader Or Hand..... Note: 0.10 LB/MSF spread rate. For >5 To 20, Deduct For >20 To 45, Deduct For >45, Deduct	40.69 -3.01 -5.97 -9.91	
32 92 19 19-0010 MSF Crown Vetch Mix, Push Spreader Or Hand..... Note: 4 LB/MSF spread rate. For >5 To 20, Deduct For >20 To 45, Deduct For >45, Deduct	63.66 -4.16 -7.70 -12.21	
32 92 19 19-0011 MSF Athletic Mix, Push Spreader Or Hand..... Note: 8 LB/MSF spread rate. Mixture of drought resistant bluegrass, tall fescue and Kentucky bluegrass. For >5 To 20, Deduct For >20 To 45, Deduct For >45, Deduct	50.08 -3.48 -6.68 -10.85	
32 92 19 19-0012 MSF White Clover Mix, Push Spreader Or Hand..... Note: 7 LB/MSF spread rate. For >5 To 20, Deduct For >20 To 45, Deduct For >45, Deduct	40.66 -3.01 -5.97 -9.91	
32 92 19 19-0013 MSF Ladino Clover Mix, Push Spreader Or Hand..... Note: 7 LB/MSF spread rate. For >5 To 20, Deduct For >20 To 45, Deduct For >45, Deduct	41.89 -3.07 -6.06 -10.03	
32 92 19 19-0014 MSF 100% Kentucky Bluegrass, Push Spreader Or Hand..... Note: 3.3 LB/MSF spread rate. For >5 To 20, Deduct For >20 To 45, Deduct For >45, Deduct	48.07 -3.38 -6.53 -10.65	
32 92 19 19-0015 MSF 70% Kentucky Bluegrass And 30% Fescue, Push Spreader Or Hand..... Note: 3.3 LB/MSF spread rate. For >5 To 20, Deduct For >20 To 45, Deduct For >45, Deduct	46.37 -3.29 -6.40 -10.48	
32 92 19 19-0016 MSF 50% Kentucky Bluegrass And 50% Fescue, Push Spreader Or Hand..... Note: 3.3 LB/MSF spread rate. For >5 To 20, Deduct For >20 To 45, Deduct For >45, Deduct	45.14 -3.23 -6.31 -10.36	
32 92 19 19-0017 MSF 50% Kentucky Bluegrass And 50% Perennial Rye, Push Spreader Or Hand..... Note: 4.4 LB/MSF spread rate. For >5 To 20, Deduct For >20 To 45, Deduct For >45, Deduct	47.61 -3.35 -6.49 -10.61	
32 92 19 19-0018 MSF 60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Push Spreader Or Hand..... Note: 3.3 LB/MSF spread rate. For >5 To 20, Deduct For >20 To 45, Deduct For >45, Deduct	45.75 -3.26 -6.35 -10.42	
32 92 19 19-0019 MSF 40% Creeping Red Fescue, 30% Kentucky Bluegrass, 10% Red Top, And 20% Blue Tag Perennial Rye, Push Spreader Or Hand..... Note: 3.3 LB/MSF spread rate. For >5 To 20, Deduct For >20 To 45, Deduct For >45, Deduct	46.37 -3.29 -6.40 -10.48	
32 92 19 19-0020 EA Seed Minimum Charge (Including Mulch) Per Project Location..... Note: For projects where the total seeding charge is less than the minimum charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section. For >5 To 20, Deduct For >20 To 45, Deduct For >45, Deduct	559.83 -41.99 -83.97 -139.96	

**32 92 23**

**Sodding** (32 92)

Note: Includes raking preparation, water thoroughly and allow surface to dry before planting, rolling of sod, sanding seams for (up to 16" wide by 24" long) squares or (up to 24" wide by 54" long) rolls and initial watering within 2 hours after planting.

**32 92 23 00-0001**

**Tall Fescue Sod** (32 92 23)

32 92 23 00-0002 MSF Up To 1,000 SF, Tall Fescue Sod, Installed On Level Ground.....	858.52
For Hybrid Fescue "Marathon", Add	55.29



**32 Exterior Improvements****32 90 Planting****32 92 Turf And Grasses**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 23 00-0003	MSF		>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Level Ground.....	702.93	
			<i>For Hybrid Fescue "Marathon", Add</i>	41.64	
32 92 23 00-0004	MSF		>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Level Ground.....	593.75	
			<i>For Hybrid Fescue "Marathon", Add</i>	34.82	
32 92 23 00-0005	MSF		>8,000 SF, Tall Fescue Sod, Installed On Level Ground.....	509.13	
			<i>For Hybrid Fescue "Marathon", Add</i>	27.99	
32 92 23 00-0006	MSF		Up To 1,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes .....	1,011.33	
			<i>For Hybrid Fescue "Marathon", Add</i>	55.29	
32 92 23 00-0007	MSF		>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes .....	833.17	
			<i>For Hybrid Fescue "Marathon", Add</i>	41.64	
32 92 23 00-0008	MSF		>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes.....	683.61	
			<i>For Hybrid Fescue "Marathon", Add</i>	34.82	
32 92 23 00-0009	MSF		>8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes.....	585.54	
			<i>For Hybrid Fescue "Marathon", Add</i>	27.99	
<b>32 92 23 00-0010</b>			<b>Kentucky Blue Grass Sod</b> <small>(32 92 23)</small>		
32 92 23 00-0011	MSF		Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground .....	734.42	
32 92 23 00-0012	MSF		>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	609.86	
32 92 23 00-0013	MSF		>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	516.18	
32 92 23 00-0014	MSF		>8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	447.08	
32 92 23 00-0015	MSF		Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes .....	887.23	
32 92 23 00-0016	MSF		>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes .....	740.10	
32 92 23 00-0017	MSF		>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes .....	606.04	
32 92 23 00-0018	MSF		>8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes.....	523.49	

**32 93 Plants** (32 90)**32 93 13 Ground Covers** (32 93)

Note: Materials only. See CSI section 32 93 83 00-0057 for installation and planting of ground cover.

**32 93 13 00-0001 Ground Covers** (32 93 13)

32 93 13 00-0002	EA	1	Quart Baccharis Pilularis - Dwarf Coyote Bush.....	3.18	
32 93 13 00-0003	EA	1	Gallon Baccharis Pilularis - Dwarf Coyote Bush .....	5.52	
32 93 13 00-0004	EA	1	Quart Carex 'Bowles Golden' - Variegated Japanese Sedge.....	11.25	
32 93 13 00-0005	EA	1	Gallon Carex 'Bowles Golden' - Variegated Japanese Sedge .....	14.65	
32 93 13 00-0006	EA	2	Gallon Juniperus horizontalis 'Plumosa Compacta' - Andorra Creeping Juniper .....	18.54	
32 93 13 00-0007	EA	1	Quart Waldsteinia ternata - Barren Strawberry .....	3.18	
32 93 13 00-0008	EA	1	Gallon Waldsteinia ternata - Barren Strawberry.....	7.64	
32 93 13 00-0009	EA	1	Gallon Cotoneaster dammeri - Bearberry Cotoneaster.....	10.40	
32 93 13 00-0010	EA	2	Gallon Cotoneaster dammeri - Bearberry Cotoneaster.....	19.74	
32 93 13 00-0011	EA	5	Gallon Cotoneaster dammeri - Bearberry Cotoneaster.....	34.81	
32 93 13 00-0012	EA	1	Gallon Liriope muscari 'Big Blue' - Big Blue Liriope .....	3.56	
32 93 13 00-0013	EA	1	Gallon Distictis buccinatoria - Blood Red Trumpet Vine.....	6.58	
32 93 13 00-0014	EA	5	Gallon Distictis buccinatoria - Blood Red Trumpet Vine.....	23.14	
32 93 13 00-0015	EA	1	Gallon Juniperus horizontalis 'Wiltoni' - Blue Rug Juniper.....	8.64	
32 93 13 00-0016	EA	4"	Pot Parthenocissus tricuspidata - Boston Ivy.....	4.25	
32 93 13 00-0017	EA	1	Gallon Parthenocissus tricuspidata - Boston Ivy.....	9.68	
32 93 13 00-0018	EA	5	Gallon Parthenocissus tricuspidata - Boston Ivy.....	26.49	
32 93 13 00-0019	EA	3	Gallon Bougainvillea spectabilis - Bougainvillea.....	11.13	
32 93 13 00-0020	EA	1	Quart Iberis sempervirens - Candytuft.....	3.18	
32 93 13 00-0021	EA	1	Gallon Iberis sempervirens - Candytuft.....	7.64	
32 93 13 00-0022	EA	1	Gallon Gelsemium sempervirens - Carolina Jessamine .....	9.17	
32 93 13 00-0023	EA	5	Gallon Gelsemium sempervirens - Carolina Jessamine .....	33.11	
32 93 13 00-0024	EA	3"	Pot Ajuga reptans - Carpet Bugle.....	1.91	
32 93 13 00-0025	EA	1	Quart Ajuga reptans - Carpet Bugle.....	3.18	
32 93 13 00-0026	EA	1	Gallon Ajuga reptans - Carpet Bugle.....	7.64	
32 93 13 00-0027	EA	24	Plant Flat Ajuga reptans - Carpet Bugle.....	32.90	
32 93 13 00-0028	EA	1	Gallon Macfadyena unguis-cati - Cat Claw Vine.....	7.64	
32 93 13 00-0029	EA	5	Gallon Macfadyena unguis-cati - Cat Claw Vine.....	33.11	
32 93 13 00-0030	EA	1	Gallon Wisteria sinensis - Chinese Wisteria Vine .....	9.98	
32 93 13 00-0031	EA	3	Gallon Wisteria sinensis - Chinese Wisteria Vine .....	22.08	
32 93 13 00-0032	EA	5	Gallon Wisteria sinensis - Chinese Wisteria Vine .....	33.11	
32 93 13 00-0033	EA	1	Gallon Ranunculaceae - Clematis Varieties.....	10.97	
32 93 13 00-0034	EA	2	Gallon Ranunculaceae - Clematis Varieties.....	20.28	
32 93 13 00-0035	EA	1	Gallon Hydrangea petiolaris - Climbing Hydrangea .....	13.80	
32 93 13 00-0036	EA	2	Gallon Hydrangea petiolaris - Climbing Hydrangea .....	25.90	
32 93 13 00-0037	EA	5	Gallon Hydrangea petiolaris - Climbing Hydrangea .....	42.45	
32 93 13 00-0038	EA	4"	Pot Lantana camera - Common Lantana.....	1.91	
32 93 13 00-0039	EA	1	Gallon Lantana camera - Common Lantana .....	5.52	
32 93 13 00-0040	EA	1	Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia .....	6.58	
32 93 13 00-0041	EA	5	Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia .....	21.65	
32 93 13 00-0042	EA	2	Quart Lysimachia nummularia - Creeping Jenny .....	3.18	
32 93 13 00-0043	EA	1	Gallon Lysimachia nummularia - Creeping Jenny.....	6.16	
32 93 13 00-0044	EA	2	Quart Liriope spicata - Creeping Lilytuft.....	5.52	
32 93 13 00-0045	EA	1	Gallon Liriope spicata - Creeping Lilytuft .....	9.98	
32 93 13 00-0046	EA	5	Gallon Liriope spicata - Creeping Lilytuft .....	21.01	
32 93 13 00-0047	EA		Bare Root Liriope spicata - Creeping Liriope .....	1.39	
32 93 13 00-0048	EA	3"	Pot Rosmarinus officinalis 'Prostratus' - Creeping Rosemary .....	1.91	
32 93 13 00-0049	EA	1	Gallon Rosmarinus officinalis 'Prostratus' - Creeping Rosemary .....	7.64	
32 93 13 00-0050	EA	2-1/4"	Pot Securigera varia - Crown Vetch .....	1.27	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0051	EA	50	Plant Flat Securigera varia - Crown Vetch.....	43.09	
32 93 13 00-0052	EA	1	Quart Senecio cineraria - Dusty Miller.....	3.18	
32 93 13 00-0053	EA	1	Gallon Senecio cineraria - Dusty Miller.....	7.64	
32 93 13 00-0054	EA	2	Gallon Aristolochia macrophylla - Dutchman's Pipe.....	26.53	
32 93 13 00-0055	EA	5	Gallon Aristolochia macrophylla - Dutchman's Pipe.....	48.61	
32 93 13 00-0056	EA	1	Gallon Ilex cornuta - Dwarf Holly.....	5.76	
32 93 13 00-0057	EA	3	Gallon Ilex cornuta - Dwarf Holly.....	12.35	
32 93 13 00-0058	EA	3	Gallon Rhapsiolepis umbellata 'Minor' - Dwarf Indian Hawthorn.....	12.35	
32 93 13 00-0059	EA	1	Gallon Tradescantia spathacea - Dwarf Oyster Plant.....	4.12	
32 93 13 00-0060	EA	2"	To 3" Pot Hedera helix - English Ivy.....	1.91	
32 93 13 00-0061	EA	12"	To 15" Runners Hedera helix - English Ivy.....	3.18	
32 93 13 00-0062	EA	1	Gallon Hedera helix - English Ivy.....	7.64	
32 93 13 00-0063	EA	50	Plant Flat Hedera helix - English Ivy.....	44.15	
32 93 13 00-0064	EA	4"	Pot Lavandula angustifolia - English Lavender.....	2.76	
32 93 13 00-0065	EA	1	Quart Lavandula angustifolia - English Lavender.....	5.31	
32 93 13 00-0066	EA	1	Gallon Lavandula angustifolia - English Lavender.....	8.70	
32 93 13 00-0067	EA	1	Gallon Euonymus fortunei 'Kewensis' - Wintercreeper.....	8.28	
32 93 13 00-0068	EA	2	Gallon Euonymus fortunei 'Kewensis' - Wintercreeper.....	16.56	
32 93 13 00-0069	EA	1	Quart Arundo donax - Giant Reed.....	10.19	
32 93 13 00-0070	EA	1	Gallon Arundo donax - Giant Reed.....	14.65	
32 93 13 00-0071	EA	1	Gallon Lonicera x heckrottii - Gold Flame Honeysuckle.....	8.70	
32 93 13 00-0072	EA	2	Gallon Lonicera x heckrottii - Gold Flame Honeysuckle.....	16.56	
32 93 13 00-0073	EA	1	Quart Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass.....	11.25	
32 93 13 00-0074	EA	1	Gallon Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass.....	16.98	
32 93 13 00-0075	EA	3"	Pot Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle.....	1.91	
32 93 13 00-0076	EA	1	Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle.....	8.70	
32 93 13 00-0077	EA	2	Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle.....	16.56	
32 93 13 00-0078	EA	1	Gallon Hardenbergia violacea - Happy Wanderer.....	7.64	
32 93 13 00-0079	EA	5	Gallon Hardenbergia violacea - Happy Wanderer.....	25.47	
32 93 13 00-0080	EA	3	Gallon Hibiscus, Assorted Colors.....	9.95	
32 93 13 00-0081	EA	1	Gallon Acorus gramineus - Japanese Sweet Flag.....	7.96	
32 93 13 00-0082	EA	1	Gallon Jasminum volubile - Wax Jasmine.....	4.01	
32 93 13 00-0083	EA	1	Gallon Jasminum volubile - Wax Jasmine.....	9.95	
32 93 13 00-0084	EA	1	Gallon Juniperus davurica 'Parsonii' - Parson's Juniper.....	5.00	
32 93 13 00-0085	EA	3	Gallon Juniperus davurica 'Parsonii' - Parson's Juniper.....	11.13	
32 93 13 00-0086	EA	1	Gallon Cissus antarctica - Kangaroo Vine.....	6.16	
32 93 13 00-0087	EA	5	Gallon Cissus antarctica - Kangaroo Vine.....	19.32	
32 93 13 00-0088	EA	1	Quart Stachys byzantina - Lamb's Ear.....	3.18	
32 93 13 00-0089	EA	1	Quart Stachys byzantina - Lamb's Ear.....	7.64	
32 93 13 00-0090	EA	1	Gallon Lantana spp. Various Colors.....	4.51	
32 93 13 00-0091	EA	1	Gallon Lantana sellowiana - Trailing Lantana.....	2.96	
32 93 13 00-0092	EA	1	Gallon Cocculus laurifolius - Laurel-leaf Snailseed.....	6.16	
32 93 13 00-0093	EA	5	Gallon Cocculus laurifolius - Laurel-leaf Snailseed.....	22.08	
32 93 13 00-0094	EA	1	Gallon Liriope Evergreen Giant, 6 To 8 Bibs Minimum.....	4.51	
32 93 13 00-0095	EA	1	Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum.....	5.68	
32 93 13 00-0096	EA	3	Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum.....	9.09	
32 93 13 00-0097	EA	1	Quart Moss Phlox, Creeping Phlox.....	3.18	
32 93 13 00-0098	EA	1	Gallon Moss Phlox, Creeping Phlox.....	7.64	
32 93 13 00-0099	EA	1	Gallon Nephrolepis exaltata - Common Boston Fern.....	4.01	
32 93 13 00-0100	EA	4"	Pot Ophiopogon Japonicus - Mondo grass.....	1.91	
32 93 13 00-0101	EA	1	Gallon Ophiopogon Japonicus - Mondo grass.....	7.64	
32 93 13 00-0102	EA	5	Gallon Ophiopogon Japonicus - Mondo grass.....	17.62	
32 93 13 00-0103	EA	2'	To 3' High Oregon Holly-Grape.....	8.82	
32 93 13 00-0104	EA	1	Gallon Pachysandra terminalis - Pachysandra.....	11.49	
32 93 13 00-0105	EA	2-1/4"	Pot Vinca minor - Periwinkle.....	1.06	
32 93 13 00-0106	EA	4"	Pot Vinca minor - Periwinkle.....	3.18	
32 93 13 00-0107	EA		Bare Root Vinca minor - Periwinkle.....	1.06	
32 93 13 00-0108	EA	1	Quart Nepeta mussinii - Persian Catmint.....	3.18	
32 93 13 00-0109	EA	1	Gallon Nepeta mussinii - Persian Catmint.....	6.58	
32 93 13 00-0110	EA	1	Gallon Coprosma kirkii - Prostrate Coprosma.....	5.31	
32 93 13 00-0111	EA	5	Gallon Coprosma kirkii - Prostrate Coprosma.....	19.32	
32 93 13 00-0112	EA	1	Gallon Juniperus Horizontalis - Prostrate Juniper.....	8.70	
32 93 13 00-0113	EA	3	Gallon Juniperus Horizontalis - Prostrate Juniper.....	18.68	
32 93 13 00-0114	EA	5	Gallon Juniperus Horizontalis - Prostrate Juniper.....	27.59	
32 93 13 00-0115	EA	1	Quart Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper.....	7.58	
32 93 13 00-0116	EA	1	Gallon Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper.....	19.64	
32 93 13 00-0117	EA	24	Plant Flat Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper.....	32.90	
32 93 13 00-0118	EA	1	Gallon Tradescantia spathacea - Rhoeco Discolor "Dwarf".....	4.01	
32 93 13 00-0119	EA	1	Quart Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue.....	4.46	
32 93 13 00-0120	EA	1	Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue.....	7.96	
32 93 13 00-0121	EA	2	Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue.....	12.42	
32 93 13 00-0122	EA	1	Gallon Hymenocallis latifolia - Spider Lily.....	4.94	
32 93 13 00-0123	EA	3	Gallon Hymenocallis latifolia - Spider Lily.....	13.18	
32 93 13 00-0124	EA	1	Quart Hypericum perforatum - St. John's Wort.....	3.18	
32 93 13 00-0125	EA	1	Gallon Hypericum perforatum - St. John's Wort.....	7.64	
32 93 13 00-0126	EA	5	Gallon Hypericum perforatum - St. John's Wort.....	19.74	
32 93 13 00-0127	EA	24"	To 30" High Viburnum awabuki - Sweet Viburnum.....	26.86	
32 93 13 00-0128	EA	1	Gallon Campsis radicans - Trumpet Creeper.....	11.67	
32 93 13 00-0129	EA	2	Gallon Campsis radicans - Trumpet Creeper.....	17.62	
32 93 13 00-0130	EA	5	Gallon Campsis radicans - Trumpet Creeper.....	42.45	
32 93 13 00-0131	EA	2-1/4"	Pot Vinca major - Variegated Greater Periwinkle.....	1.06	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 13 00-0132	EA	4" Pot Vinca major - Variegated Greater Periwinkle .....	3.18
32 93 13 00-0133	EA	Bare Root Vinca major - Variegated Greater Periwinkle .....	1.06
32 93 13 00-0134	EA	1 Quart Carex hachijoensis - Variegated Japanese Sedge .....	5.73
32 93 13 00-0135	EA	1 Gallon Carex hachijoensis - Variegated Japanese Sedge .....	7.96
32 93 13 00-0136	EA	2 Gallon Carex hachijoensis - Variegated Japanese Sedge .....	12.42
32 93 13 00-0137	EA	1 Gallon Liriope muscari 'Variegata' - Variegated Lilyturf .....	8.70
32 93 13 00-0138	EA	2 Quart Verbena peruviana "St. Paul" - St. Paul Verbena .....	4.03
32 93 13 00-0139	EA	1 Gallon Verbena peruviana "St. Paul" - St. Paul Verbena .....	6.16
32 93 13 00-0140	EA	48 Plant Flat Vinca minor - Lesser Periwinkle .....	37.83
32 93 13 00-0141	EA	3" Pot Parthenocissus quinquefolia - Virginia Creeper .....	1.91
32 93 13 00-0142	EA	1 Gallon Parthenocissus quinquefolia - Virginia Creeper .....	9.98
32 93 13 00-0143	EA	1 Gallon Jasminum polyanthum - Winter Jasmine .....	7.64
32 93 13 00-0144	EA	2 Gallon Jasminum polyanthum - Winter Jasmine .....	15.28
32 93 13 00-0145	EA	5 Gallon Jasminum polyanthum - Winter Jasmine .....	26.53
32 93 13 00-0146	EA	1 Gallon Cistaceae - Wrinkleleaf Rock Rose .....	6.16
32 93 13 00-0147	EA	5 Gallon Cistaceae - Wrinkleleaf Rock Rose .....	21.01

**32 93 13 00-0148 Ornamental Grasses** (32 93 13)

32 93 13 00-0149	EA	1 Gallon, Cortaderia selloana - Pampas Grass .....	16.20
32 93 13 00-0150	EA	2 Gallon, Cortaderia selloana - Pampas Grass .....	29.95
32 93 13 00-0151	EA	3 Gallon, Cortaderia selloana - Pampas Grass .....	54.43
32 93 13 00-0152	EA	5 Gallon, Cortaderia selloana - Pampas Grass .....	99.06
32 93 13 00-0153	EA	1 Quart, Imperata cylindrica - Japanese Blood Grass .....	12.40
32 93 13 00-0154	EA	1 Gallon, Imperata cylindrica - Japanese Blood Grass .....	16.49
32 93 13 00-0155	EA	2 Gallon, Imperata cylindrica - Japanese Blood Grass .....	17.65
32 93 13 00-0156	EA	1 Quart, Koeleria glauca - Blue Hair Grass .....	12.37
32 93 13 00-0157	EA	1 Gallon, Koeleria glauca - Blue Hair Grass .....	16.49
32 93 13 00-0158	EA	3 Gallon, Koeleria glauca - Blue Hair Grass .....	39.90
32 93 13 00-0159	EA	1 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass .....	15.66
32 93 13 00-0160	EA	3 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass .....	20.29
32 93 13 00-0161	EA	5 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass .....	38.79
32 93 13 00-0162	EA	1 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass .....	14.53
32 93 13 00-0163	EA	3 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass .....	22.85
32 93 13 00-0164	EA	5 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass .....	39.10
32 93 13 00-0165	EA	1 Quart, Pennisetum setaceum - Fountain Grass .....	13.53
32 93 13 00-0166	EA	1 Gallon, Pennisetum setaceum - Fountain Grass .....	34.41
32 93 13 00-0167	EA	3 Gallon, Pennisetum setaceum - Fountain Grass .....	45.37
32 93 13 00-0168	EA	1 Gallon, Saccharum ravennae - Ravenna Grass .....	42.83
32 93 13 00-0169	EA	3 Gallon, Saccharum ravennae - Ravenna Grass .....	48.11
32 93 13 00-0170	EA	7 Gallon, Saccharum ravennae - Ravenna Grass .....	79.37
32 93 13 00-0171	EA	1 Gallon, Spartina pectinata - Variegated Cord Grass .....	23.25
32 93 13 00-0172	EA	2 Gallon, Spartina pectinata - Variegated Cord Grass .....	34.80
32 93 13 00-0173	EA	1 Quart, Stipa gigantea - Giant Feather Grass .....	17.75
32 93 13 00-0174	EA	1 Gallon, Stipa gigantea - Giant Feather Grass .....	24.74

**32 93 23 Plants And Bulbs** (32 93)

Note: Materials only. See CSI section 32 93 83 00-0057 for installation and planting of bulbs and annuals.

**32 93 23 00-0001 Perennials** (32 93 23)

32 93 23 00-0002	EA	2 Quart Assorted Daylilies .....	6.16
32 93 23 00-0003	EA	1 Gallon Assorted Daylilies .....	8.70
32 93 23 00-0004	EA	2 Gallon Assorted Daylilies .....	14.43
32 93 23 00-0005	EA	1 Quart Azure Penstemon .....	3.18
32 93 23 00-0006	EA	1 Gallon Azure Penstemon .....	7.96
32 93 23 00-0007	EA	1 Quart Balloon Flower .....	3.18
32 93 23 00-0008	EA	1 Gallon Balloon Flower .....	7.96
32 93 23 00-0009	EA	1 Quart Black-eyed Susan .....	3.18
32 93 23 00-0010	EA	1 Gallon Black-eyed Susan .....	7.96
32 93 23 00-0011	EA	2 Gallon Black-eyed Susan .....	10.30
32 93 23 00-0012	EA	1 Quart Blackberry Lily .....	3.18
32 93 23 00-0013	EA	1 Gallon Blackberry Lily .....	7.96
32 93 23 00-0014	EA	1 Quart Blank Flower .....	3.18
32 93 23 00-0015	EA	1 Gallon Blank Flower .....	7.32
32 93 23 00-0016	EA	2 Gallon Blank Flower .....	10.30
32 93 23 00-0017	EA	1 Quart Blazing Star, Gayfeather .....	3.18
32 93 23 00-0018	EA	1 Gallon Blazing Star, Gayfeather .....	7.96
32 93 23 00-0019	EA	1 Quart Bloodred Geranium .....	5.41
32 93 23 00-0020	EA	1 Gallon Bloodred Geranium .....	9.13
32 93 23 00-0021	EA	1 Quart Blue Plumbago .....	3.18
32 93 23 00-0022	EA	1 Gallon Blue Plumbago .....	7.96
32 93 23 00-0023	EA	1 Quart Blue Star .....	5.73
32 93 23 00-0024	EA	1 Gallon Blue Star .....	9.13
32 93 23 00-0025	EA	1 Quart Cardinal Flower .....	3.18
32 93 23 00-0026	EA	1 Gallon Cardinal Flower .....	7.96
32 93 23 00-0027	EA	4" Pot Columbine .....	1.91
32 93 23 00-0028	EA	1 Quart Columbine .....	3.18
32 93 23 00-0029	EA	1 Gallon Columbine .....	7.96
32 93 23 00-0030	EA	1 Quart Common Globeflower .....	3.18
32 93 23 00-0031	EA	1 Gallon Common Globeflower .....	7.96



<b>Exterior Improvements</b>		<b>32</b>
Planting		32 90
Plants		32 93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0032 EA 1 Quart Cottage Pink, Scotch Pink .....	3.18	
32 93 23 00-0033 EA 1 Quart Cottage Pink, Scotch Pink .....	7.96	
32 93 23 00-0034 EA 1 Gallon Astilbe 'Deutschland' .....	11.46	
32 93 23 00-0035 EA 1 Quart Diploid .....	4.03	
32 93 23 00-0036 EA 1 Gallon Diploid .....	9.13	
32 93 23 00-0037 EA 3 Gallon Diploid .....	15.71	
32 93 23 00-0038 EA 4" Pot Dune Sunflower .....	4.54	
32 93 23 00-0039 EA 1 Quart Evans Begonia .....	5.73	
32 93 23 00-0040 EA 1 Gallon Evans Begonia .....	10.30	
32 93 23 00-0041 EA 1 Quart False Dragonhead .....	3.18	
32 93 23 00-0042 EA 1 Gallon False Dragonhead .....	7.96	
32 93 23 00-0043 EA 1 Quart False Spirea .....	3.18	
32 93 23 00-0044 EA 1 Gallon False Spirea .....	10.30	
32 93 23 00-0045 EA 3 Gallon False Spirea .....	14.22	
32 93 23 00-0046 EA 2 Quart False Sunflower .....	5.09	
32 93 23 00-0047 EA 1 Gallon False Sunflower .....	7.96	
32 93 23 00-0048 EA 2 Gallon False Sunflower .....	10.30	
32 93 23 00-0049 EA 1 Gallon Foxglove .....	7.32	
32 93 23 00-0050 EA 2 Gallon Foxglove .....	10.30	
32 93 23 00-0051 EA 3 Gallon Foxglove .....	14.86	
32 93 23 00-0052 EA 1 Gallon Frances Hostas .....	12.89	
32 93 23 00-0053 EA 1 Quart Garden Phlox .....	3.18	
32 93 23 00-0054 EA 1 Gallon Garden Phlox .....	7.96	
32 93 23 00-0055 EA 2 Quart Golden Groundsel .....	6.79	
32 93 23 00-0056 EA 2 Gallon Golden Groundsel .....	13.69	
32 93 23 00-0057 EA 1 Quart Golden Star .....	3.18	
32 93 23 00-0058 EA 1 Gallon Golden Star .....	7.96	
32 93 23 00-0059 EA 1 Quart Goldenrod .....	3.18	
32 93 23 00-0060 EA 1 Gallon Goldenrod .....	7.96	
32 93 23 00-0061 EA 1 Gallon Happy Returns Daylilies .....	14.82	
32 93 23 00-0062 EA 4" Pot Hardy Aster, Michaelmas Daisy .....	1.91	
32 93 23 00-0063 EA 1 Quart Hardy Aster, Michaelmas Daisy .....	3.18	
32 93 23 00-0064 EA 1 Gallon Hardy Aster, Michaelmas Daisy .....	7.96	
32 93 23 00-0065 EA 1 Quart Hardy Chrysanthemum .....	2.76	
32 93 23 00-0066 EA 6" To 8" Pot Hardy Chrysanthemum .....	4.57	
32 93 23 00-0067 EA 1 Gallon Hardy Chrysanthemum .....	7.32	
32 93 23 00-0068 EA 1 Gallon Herbaceous Peony .....	11.36	
32 93 23 00-0069 EA 2 Gallon Herbaceous Peony .....	18.15	
32 93 23 00-0070 EA 3 Gallon Herbaceous Peony .....	23.88	
32 93 23 00-0071 EA 4" Pot Japanese Anemone .....	1.91	
32 93 23 00-0072 EA 1 Quart Japanese Anemone .....	5.73	
32 93 23 00-0073 EA 2 Gallon Japanese Anemone .....	10.30	
32 93 23 00-0074 EA 2" Pot Japanese Spurge .....	1.13	
32 93 23 00-0075 EA 6" Pot Japanese Spurge .....	1.70	
32 93 23 00-0076 EA 1 Gallon Japanese Spurge .....	7.31	
32 93 23 00-0077 EA 1 Quart Oriental Poppy .....	4.57	
32 93 23 00-0078 EA 1 Gallon Oriental Poppy .....	9.13	
32 93 23 00-0079 EA 48 Plant Flat Pachysandra terminalis .....	37.83	
32 93 23 00-0080 EA 1 Gallon Pacific Coast Iris .....	6.26	
32 93 23 00-0081 EA 3 Gallon Pacific Coast Iris .....	11.89	
32 93 23 00-0082 EA 1 Gallon Palace Purple Coral Bells .....	12.05	
32 93 23 00-0083 EA 4" Pot Perennial Salvia .....	1.91	
32 93 23 00-0084 EA 1 Quart Perennial Salvia .....	3.18	
32 93 23 00-0085 EA 1 Gallon Perennial Salvia .....	7.96	
32 93 23 00-0086 EA 1 Quart Pincushion Flower .....	3.18	
32 93 23 00-0087 EA 1 Gallon Pincushion Flower .....	7.96	
32 93 23 00-0088 EA 2 Quart Plantain Lily .....	6.16	
32 93 23 00-0089 EA 1 Gallon Plantain Lily .....	8.70	
32 93 23 00-0090 EA 2 Gallon Plantain Lily .....	14.43	
32 93 23 00-0091 EA 3 Gallon Plantain Lily .....	27.28	
32 93 23 00-0092 EA 2 Quart Purple Coneflower .....	5.73	
32 93 23 00-0093 EA 1 Gallon Purple Coneflower .....	7.96	
32 93 23 00-0094 EA 2 Gallon Purple Coneflower .....	10.30	
32 93 23 00-0095 EA 1 Quart Purple Loosestrife .....	3.18	
32 93 23 00-0096 EA 1 Gallon Purple Loosestrife .....	7.96	
32 93 23 00-0097 EA 1 Quart Rose Mallow .....	6.26	
32 93 23 00-0098 EA 2 Gallon Rose Mallow .....	11.36	
32 93 23 00-0099 EA 3 Gallon Rose Mallow .....	19.42	
32 93 23 00-0100 EA 1 Gallon Autumn Joy Sedum .....	12.14	
32 93 23 00-0101 EA 1 Quart Siberian Iris .....	5.41	
32 93 23 00-0102 EA 2 Gallon Siberian Iris .....	10.30	
32 93 23 00-0103 EA 3 Gallon Siberian Iris .....	14.22	
32 93 23 00-0104 EA 1 Quart Speedwell .....	3.18	
32 93 23 00-0105 EA 1 Gallon Speedwell .....	7.96	
32 93 23 00-0106 EA 1 Quart Tetraploid .....	7.96	
32 93 23 00-0107 EA 1 Gallon Tetraploid .....	14.86	
32 93 23 00-0108 EA 3 Gallon Tetraploid .....	20.27	
32 93 23 00-0109 EA 1 Quart Threadleaf Coreopsis .....	3.18	
32 93 23 00-0110 EA 1 Gallon Threadleaf Coreopsis .....	7.96	
32 93 23 00-0111 EA 1 Quart Torch Lily .....	3.18	
32 93 23 00-0112 EA 1 Quart Bluebeard .....	5.73	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0113 EA 1 Gallon Bluebeard .....	8.49	
32 93 23 00-0114 EA 2 Gallon Bluebeard .....	12.42	
<b>32 93 23 00-0115 Annuals (32 93 23)</b>		
32 93 23 00-0116 EA 2-1/2" Pot Annual Flowers .....	1.48	
32 93 23 00-0117 EA 3" Pot Annual Flowers.....	2.00	
32 93 23 00-0118 EA 4" Pot Annual Flowers.....	4.27	
32 93 23 00-0119 EA 5-1/2" Pot Annual Flowers .....	5.68	
32 93 23 00-0120 EA 6" Pot Annual Flowers.....	11.25	
32 93 23 00-0121 EA 8" Pot Annual Flowers.....	18.75	
32 93 23 00-0122 EA 36 Plant Flat Annual Flowers .....	24.54	
32 93 23 00-0123 EA 48 Plant Flat Annual Flowers .....	27.84	
<b>32 93 23 00-0124 Bulbs (32 93 23)</b>		
32 93 23 00-0125 EA Top Size Allium giganteum - Giant Ornamental Onion .....	5.14	
32 93 23 00-0126 EA Top Size Allium sphaerocephalum - Drumstick Ornamental Onion .....	0.30	
32 93 23 00-0127 EA Top Size Crocus Hybrid .....	0.34	
32 93 23 00-0128 EA Top Size Eranthis hyemalis - Winter Aconite .....	0.43	
32 93 23 00-0129 EA Top Size Galanthus nivalis - Snowdrops .....	0.55	
32 93 23 00-0130 EA Top Size Iris reticulata cvs - Dutch Iris.....	0.22	
32 93 23 00-0131 EA Top Size Muscari armeniacum - Grape Hyacinth .....	0.26	
32 93 23 00-0132 EA Top Size Muscari latifolium - Grape Hyacinth .....	0.30	
32 93 23 00-0133 EA Narcissus 'Carlton' - Carlton Daffodil DNI .....	1.78	
32 93 23 00-0134 EA Narcissus 'Dutch Master' - Dutch Master Daffodil DNI.....	0.85	
32 93 23 00-0135 EA Narcissus 'February Gold' - February Gold Daffodil DNI.....	0.89	
32 93 23 00-0136 EA Narcissus 'Ice Follies' - Ice Follies Daffodil DNI .....	0.89	
32 93 23 00-0137 EA Narcissus 'Mount Hood' - Mount Hood Daffodil DNI .....	0.93	
32 93 23 00-0138 EA Narcissus 'Papillon Blanc' - Papillon Blanc Daffodil DNI .....	0.99	
32 93 23 00-0139 EA Narcissus 'Pipit' - Pipit Daffodil DNI .....	0.93	
32 93 23 00-0140 EA Narcissus 'Salome' - Salome Daffodil DNI .....	0.87	
32 93 23 00-0141 EA Narcissus 'Tete A Tete' - Tete A Tete Daffodil DNI .....	0.93	
32 93 23 00-0142 EA Narcissus 'Thalia' - Thalia Daffodil DNI.....	0.93	
32 93 23 00-0143 EA Top Size Scilla siberica - Siberian Squill.....	0.28	
32 93 23 00-0144 EA Top Size Tulip 'Angelique' - Angelique Tulip .....	0.79	
32 93 23 00-0145 EA Top Size Tulip 'Apeldoorn' - Apeldoorn Tulip .....	0.59	
32 93 23 00-0146 EA Top Size Tulip 'Apricot Beauty' - Apricot Beauty Tulip .....	0.79	
32 93 23 00-0147 EA Top Size Tulip 'Big Smile' - Big Smile Tulip .....	0.69	
32 93 23 00-0148 EA Top Size Tulip 'Black Parrot' - Black Parrot Tulip.....	0.99	
32 93 23 00-0149 EA Top Size Tulip 'Blue Heron' - Blue Heron Tulip.....	0.75	
32 93 23 00-0150 EA Top Size Tulip 'Cardinal' - Cardinal Tulip.....	0.65	
32 93 23 00-0151 EA Top Size Tulip 'Christmas Marvel' - Christmas Marvel Tulip .....	0.73	
32 93 23 00-0152 EA Top Size Tulip clusiana - Species Tulip .....	0.73	
32 93 23 00-0153 EA Top Size Tulip 'Elizabeth Arden' - Elizabeth Arden Tulip .....	0.73	
32 93 23 00-0154 EA Top Size Tulip 'Golden Apledoorn' - Golden Apledoorn Tulip .....	0.59	
32 93 23 00-0155 EA Top Size Tulip 'Golden Emperor' - Golden Emperor Tulip .....	0.57	
32 93 23 00-0156 EA Top Size Tulip 'Halcro' - Halcro Tulip.....	0.59	
32 93 23 00-0157 EA Top Size Tulip 'Ivory Floridale' - Ivory Floridale Tulip.....	0.99	
32 93 23 00-0158 EA Top Size Tulip 'Orange Emperor' - Orange Emperor Tulip .....	0.59	
32 93 23 00-0159 EA Top Size Tulip 'Passionale' - Passionale Tulip.....	0.79	
32 93 23 00-0160 EA Top Size Tulip 'Peach Blossom' - Peach Blossom Tulip .....	0.85	
32 93 23 00-0161 EA Top Size Tulip 'Peer Gynt' - Peer Gynt Tulip .....	0.89	
32 93 23 00-0162 EA Top Size Tulip 'Pink Diamond' - Pink Diamond Tulip .....	0.71	
32 93 23 00-0163 EA Top Size Tulip 'Pink Emperor' - Pink Emperor Tulip .....	0.67	
32 93 23 00-0164 EA Top Size Tulip praetens 'Fusilier' - Praetens Fusilier Tulip .....	0.73	
32 93 23 00-0165 EA Top Size Tulip 'Princes' - Princes Tulip.....	0.73	
32 93 23 00-0166 EA Top Size Tulip 'Red Riding Hood' - Red Riding Hood Tulip .....	0.57	
32 93 23 00-0167 EA Top Size Tulip saxatilis - Species Tulip.....	0.40	
32 93 23 00-0168 EA Top Size Tulip 'Shirley' - Shirley Tulip.....	0.59	
32 93 23 00-0169 EA Top Size Tulip 'Spring Green' - Spring Green Tulip .....	0.77	
32 93 23 00-0170 EA Top Size Tulip 'White Emperor' - White Emperor Tulip.....	0.59	
<b>32 93 33 Shrubs (32 93)</b>		
Note: (cvs = cultivar) materials only. See CSI section 32 93 83 00-0033 for installation and planting of shrubs.		
<b>32 93 33 00-0001 Shrubs (32 93 33)</b>		
32 93 33 00-0002 EA 1 Gallon Abelia x grandiflora - Abelia.....	4.10	
32 93 33 00-0003 EA 3 Gallon Abelia x grandiflora - Abelia.....	8.34	
32 93 33 00-0004 EA 5 Gallon Abelia x grandiflora - Abelia.....	16.01	
32 93 33 00-0005 EA 3 Gallon Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	105.89	
32 93 33 00-0006 EA 18" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	154.76	
32 93 33 00-0007 EA 24" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	172.68	
32 93 33 00-0008 EA 30" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye .....	218.29	
32 93 33 00-0009 EA 36" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	242.73	
32 93 33 00-0010 EA 18" B&B Aesculus parviflora - Bottlebrush Buckeye .....	48.87	
32 93 33 00-0011 EA 24" B&B Aesculus parviflora - Bottlebrush Buckeye .....	65.16	
32 93 33 00-0012 EA 30" B&B Aesculus parviflora - Bottlebrush Buckeye .....	81.45	
32 93 33 00-0013 EA 36" B&B Aronia arbutifolia & cvs - Red Chokeberry.....	71.21	
32 93 33 00-0014 EA 42" B&B Aronia arbutifolia & cvs - Red Chokeberry.....	83.78	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0015	EA	48"	B&B Aronia arbutifolia & cvs - Red Chokeberry.....	100.54	
32 93 33 00-0016	EA	60"	B&B Aronia arbutifolia & cvs - Red Chokeberry.....	117.29	
32 93 33 00-0017	EA	72"	B&B Aronia arbutifolia & cvs - Red Chokeberry.....	142.42	
32 93 33 00-0018	EA	36"	B&B Aronia melanocarpa & cvs - Black Chokeberry.....	69.12	
32 93 33 00-0019	EA	42"	B&B Aronia melanocarpa & cvs - Black Chokeberry.....	73.31	
32 93 33 00-0020	EA	48"	B&B Aronia melanocarpa & cvs - Black Chokeberry.....	77.50	
32 93 33 00-0021	EA	60"	B&B Aronia melanocarpa & cvs - Black Chokeberry.....	87.97	
32 93 33 00-0022	EA	36"	B&B Aronia prunifolia - Purple-Fruited Chokeberry.....	70.16	
32 93 33 00-0023	EA	42"	B&B Aronia prunifolia - Purple-Fruited Chokeberry.....	74.35	
32 93 33 00-0024	EA	48"	B&B Aronia prunifolia - Purple-Fruited Chokeberry.....	78.54	
32 93 33 00-0025	EA	60"	B&B Aronia prunifolia - Purple-Fruited Chokeberry.....	82.73	
32 93 33 00-0026	EA	1	Gallon Aspidistra elatior - Cast Iron Plant.....	14.40	
32 93 33 00-0027	EA	2	Gallon Aspidistra elatior - Cast Iron Plant.....	33.30	
32 93 33 00-0028	EA	1	Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	16.88	
32 93 33 00-0029	EA	3	Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	37.13	
32 93 33 00-0030	EA	5	Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	50.18	
32 93 33 00-0031	EA	1	Gallon Bauhinia purpurea - Orange-eye Butterfly Bush.....	18.00	
32 93 33 00-0032	EA	2	Gallon Bauhinia purpurea - Orange-eye Butterfly Bush.....	26.33	
32 93 33 00-0033	EA	15"	To 18" Berberis - Northern Bayberry.....	75.15	
32 93 33 00-0034	EA	2'	To 2-1/2' Berberis - Northern Bayberry.....	95.40	
32 93 33 00-0035	EA	2-1/2'	To 3' Berberis - Northern Bayberry.....	133.65	
32 93 33 00-0036	EA	18"	To 24" Berberis julianae - Dwarf Wintergreen Barberry.....	80.33	
32 93 33 00-0037	EA	2'	To 2-1/2' Berberis julianae - Dwarf Wintergreen Barberry.....	102.83	
32 93 33 00-0038	EA	2-1/2'	To 3' Berberis julianae - Dwarf Wintergreen Barberry.....	131.40	
32 93 33 00-0039	EA	1	Gallon Berberis thunbergii - Crimson Pygmy Barberry.....	21.60	
32 93 33 00-0040	EA	2	Gallon Berberis thunbergii - Crimson Pygmy Barberry.....	42.53	
32 93 33 00-0041	EA	3	Gallon Berberis thunbergii - Crimson Pygmy Barberry.....	51.98	
32 93 33 00-0042	EA	1	Gallon Berberis x mentorensis - Mentor Barberry.....	20.48	
32 93 33 00-0043	EA	5	Gallon Berberis x mentorensis - Mentor Barberry.....	57.83	
32 93 33 00-0044	EA	2'	To 3' Berberis x mentorensis - Mentor Barberry.....	80.33	
32 93 33 00-0045	EA	3'	To 4' Berberis x mentorensis - Mentor Barberry.....	123.98	
32 93 33 00-0046	EA	1	Gallon Buxus microphylla japonica - Japanese Boxwood.....	23.40	
32 93 33 00-0047	EA	5	Gallon Buxus microphylla japonica - Japanese Boxwood.....	62.78	
32 93 33 00-0048	EA	12"	To 15" Buxus microphylla japonica - Japanese Boxwood.....	66.83	
32 93 33 00-0049	EA	15"	To 18" Buxus microphylla japonica - Japanese Boxwood.....	85.95	
32 93 33 00-0050	EA	18"	To 24" Buxus microphylla japonica - Japanese Boxwood.....	114.53	
32 93 33 00-0051	EA	24"	To 30" Buxus microphylla japonica - Japanese Boxwood.....	171.90	
32 93 33 00-0052	EA	30"	To 36" Buxus microphylla japonica - Japanese Boxwood.....	238.73	
32 93 33 00-0053	EA	12"	To 15" Buxus sempervirens - Common Boxwood.....	66.83	
32 93 33 00-0054	EA	15"	To 18" Buxus sempervirens - Common Boxwood.....	85.95	
32 93 33 00-0055	EA	18"	To 24" Buxus sempervirens - Common Boxwood.....	114.53	
32 93 33 00-0056	EA	24"	To 30" Buxus sempervirens - Common Boxwood.....	171.90	
32 93 33 00-0057	EA	2	Gallon Buxus Hybrid - Boxwood Cultivars.....	43.98	
32 93 33 00-0058	EA	5	Gallon Buxus Hybrid - Boxwood Cultivars.....	73.31	
32 93 33 00-0059	EA	5	Gallon Buxus microphylla & cvs - Little leaf Boxwood.....	192.69	
32 93 33 00-0060	EA	18"	B&B Buxus microphylla & cvs - Little leaf Boxwood.....	104.72	
32 93 33 00-0061	EA	24"	B&B Buxus microphylla & cvs - Little leaf Boxwood.....	142.42	
32 93 33 00-0062	EA	30"	B&B Buxus microphylla & cvs - Little leaf Boxwood.....	192.69	
32 93 33 00-0063	EA	5	Gallon Calycanthus floridus - Common Sweetshrub.....	69.12	
32 93 33 00-0064	EA	30"	B&B Calycanthus floridus - Common Sweetshrub.....	62.83	
32 93 33 00-0065	EA	36"	B&B Calycanthus floridus - Common Sweetshrub.....	83.78	
32 93 33 00-0066	EA	1	Gallon Camellia "Sasanqua" - Camellia.....	16.88	
32 93 33 00-0067	EA	3	Gallon Camellia "Sasanqua" - Camellia.....	36.00	
32 93 33 00-0068	EA	5	Gallon Camellia "Sasanqua" - Camellia.....	59.85	
32 93 33 00-0069	EA	7	Gallon Camellia "Sasanqua" - Camellia.....	89.12	
32 93 33 00-0070	EA	15	Gallon Camellia "Sasanqua" - Camellia.....	231.23	
32 93 33 00-0071	EA	1	Gallon Camellia japonica - Camellia.....	16.88	
32 93 33 00-0072	EA	3	Gallon Camellia japonica - Camellia.....	36.00	
32 93 33 00-0073	EA	5	Gallon Camellia japonica - Camellia.....	59.85	
32 93 33 00-0074	EA	5	Gallon Ceanothus americanus - New Jersey Tea.....	69.12	
32 93 33 00-0075	EA	5	Gallon Celastrus scandens - Bittersweet.....	69.12	
32 93 33 00-0076	EA	36"	B&B Celastrus scandens - Bittersweet.....	58.65	
32 93 33 00-0077	EA	5	Gallon Cephalanthus occidentalis - Buttonbush.....	69.12	
32 93 33 00-0078	EA	24"	B&B Cephalanthus occidentalis - Buttonbush.....	52.36	
32 93 33 00-0079	EA	30"	B&B Cephalanthus occidentalis - Buttonbush.....	58.65	
32 93 33 00-0080	EA	36"	B&B Cephalanthus occidentalis - Buttonbush.....	62.83	
32 93 33 00-0081	EA	18"	To 24" Chaenomeles speciosa - Flowering Quince.....	60.30	
32 93 33 00-0082	EA	2'	To 3' Chaenomeles speciosa - Flowering Quince.....	80.33	
32 93 33 00-0083	EA	3'	To 4' Chaenomeles speciosa - Flowering Quince.....	123.98	
32 93 33 00-0084	EA	3	Gallon Clethra alnifolia & cvs - Summersweet Clethra.....	67.02	
32 93 33 00-0085	EA	18"	B&B Clethra alnifolia & cvs - Summersweet Clethra.....	72.26	
32 93 33 00-0086	EA	24"	B&B Clethra alnifolia & cvs - Summersweet Clethra.....	80.64	
32 93 33 00-0087	EA	30"	B&B Clethra alnifolia & cvs - Summersweet Clethra.....	84.83	
32 93 33 00-0088	EA	36"	B&B Clethra alnifolia & cvs - Summersweet Clethra.....	99.49	
32 93 33 00-0089	EA	2'	To 3' Cornus mas - Cornelian Cherry.....	95.40	
32 93 33 00-0090	EA	3'	To 4' Cornus mas - Cornelian Cherry.....	119.25	
32 93 33 00-0091	EA	4'	To 5' Cornus mas - Cornelian Cherry.....	152.78	
32 93 33 00-0092	EA	5'	To 6' Cornus mas - Cornelian Cherry.....	209.93	
32 93 33 00-0093	EA	5	Gallon Cornus alba & cvs - Tartarian Dogwood.....	62.83	
32 93 33 00-0094	EA	36"	B&B Cornus alba & cvs - Tartarian Dogwood.....	43.98	
32 93 33 00-0095	EA	48"	B&B Cornus alba & cvs - Tartarian Dogwood.....	50.27	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 33 00-0096	EA	60"	B&B Cornus alba & cvs - Tartarian Dogwood.....	62.83	
32 93 33 00-0097	EA	72"	B&B Cornus alba & cvs - Tartarian Dogwood.....	75.40	
32 93 33 00-0098	EA	36"	B&B Cornus amomum - Silky Dogwood.....	62.83	
32 93 33 00-0099	EA	5	Gallon Cornus obliqua - Blue Fruited Dogwood.....	69.12	
32 93 33 00-0100	EA	5	Gallon Cornus racemosa - Gray Dogwood.....	69.12	
32 93 33 00-0101	EA	36"	B&B Cornus racemosa - Gray Dogwood.....	62.83	
32 93 33 00-0102	EA	48"	B&B Cornus racemosa - Gray Dogwood.....	73.31	
32 93 33 00-0103	EA	60"	B&B Cornus racemosa - Gray Dogwood.....	79.59	
32 93 33 00-0104	EA	72"	B&B Cornus racemosa - Gray Dogwood.....	96.35	
32 93 33 00-0105	EA	36"	B&B Cornus sanguinea & cvs - Bloodtwig Dogwood.....	68.07	
32 93 33 00-0106	EA	48"	B&B Cornus sanguinea & cvs - Bloodtwig Dogwood.....	76.45	
32 93 33 00-0107	EA	60"	B&B Cornus sanguinea & cvs - Bloodtwig Dogwood.....	86.92	
32 93 33 00-0108	EA	24"	B&B Cornus sericea & cvs - Redosier Dogwood.....	54.46	
32 93 33 00-0109	EA	30"	B&B Cornus sericea & cvs - Redosier Dogwood.....	62.83	
32 93 33 00-0110	EA	36"	B&B Cornus sericea & cvs - Redosier Dogwood.....	67.02	
32 93 33 00-0111	EA	48"	B&B Cornus sericea & cvs - Redosier Dogwood.....	73.31	
32 93 33 00-0112	EA	60"	B&B Cornus sericea & cvs - Redosier Dogwood.....	81.68	
32 93 33 00-0113	EA	5	Gallon Corylus americana - American Filbert.....	64.93	
32 93 33 00-0114	EA	30"	B&B Corylus americana - American Filbert.....	73.31	
32 93 33 00-0115	EA	36"	B&B Corylus americana - American Filbert.....	78.54	
32 93 33 00-0116	EA	48"	B&B Corylus americana - American Filbert.....	84.83	
32 93 33 00-0117	EA	24"	B&B Corylus avellana - Contorted Hazelnut.....	209.45	
32 93 33 00-0118	EA	30"	B&B Corylus avellana - Contorted Hazelnut.....	272.28	
32 93 33 00-0119	EA	36"	B&B Corylus avellana - Contorted Hazelnut.....	293.23	
32 93 33 00-0120	EA	42"	B&B Corylus avellana - Contorted Hazelnut.....	377.01	
32 93 33 00-0121	EA	48"	B&B Corylus avellana - Contorted Hazelnut.....	460.79	
32 93 33 00-0122	EA	60"	B&B Corylus avellana - Contorted Hazelnut.....	523.62	
32 93 33 00-0123	EA	5' To 6'	Cotinus coggygria - Smoke Tree.....	200.48	
32 93 33 00-0124	EA	6' To 8'	Cotinus coggygria - Smoke Tree.....	300.61	
32 93 33 00-0125	EA	8' To 10'	Cotinus coggygria - Smoke Tree.....	453.38	
32 93 33 00-0126	EA	5	Gallon Cotoneaster acutifolia & cvs - Peking Cotoneaster.....	52.36	
32 93 33 00-0127	EA	18"	B&B Cotoneaster acutifolia & cvs - Peking Cotoneaster.....	52.36	
32 93 33 00-0128	EA	24"	B&B Cotoneaster acutifolia & cvs - Peking Cotoneaster.....	54.46	
32 93 33 00-0129	EA	12" To 15"	Spread Cotoneaster adpressus - Creeping Cotoneaster.....	50.18	
32 93 33 00-0130	EA	3	Gallon Cotoneaster apiculata & cvs - Cranberry Cotoneaster.....	54.46	
32 93 33 00-0131	EA	18"	B&B Cotoneaster apiculata & cvs - Cranberry Cotoneaster.....	52.36	
32 93 33 00-0132	EA	24"	B&B Cotoneaster apiculata & cvs - Cranberry Cotoneaster.....	54.46	
32 93 33 00-0133	EA	1	Gallon Cotoneaster divaricatus - Spreading Cotoneaster.....	21.60	
32 93 33 00-0134	EA	2' To 3'	Cotoneaster divaricatus - Spreading Cotoneaster.....	66.83	
32 93 33 00-0135	EA	3' To 4'	Cotoneaster divaricatus - Spreading Cotoneaster.....	90.23	
32 93 33 00-0136	EA	4' To 5'	Cotoneaster divaricatus - Spreading Cotoneaster.....	152.78	
32 93 33 00-0137	EA	1	Gallon Cotoneaster horizontalis - Rockspray Cotoneaster.....	21.60	
32 93 33 00-0138	EA	2	Gallon Cotoneaster horizontalis - Rockspray Cotoneaster.....	42.53	
32 93 33 00-0139	EA	18"	B&B Deutzia gracilis - Slender Deutzia.....	53.41	
32 93 33 00-0140	EA	24"	B&B Deutzia gracilis - Slender Deutzia.....	58.65	
32 93 33 00-0141	EA	30"	B&B Deutzia gracilis - Slender Deutzia.....	75.40	
32 93 33 00-0142	EA	36"	B&B Deutzia gracilis - Slender Deutzia.....	87.97	
32 93 33 00-0143	EA	42"	B&B Deutzia gracilis - Slender Deutzia.....	100.54	
32 93 33 00-0144	EA	24"	B&B Diervilla sessilifolia - Southern Bush Honeysuckle.....	83.78	
32 93 33 00-0145	EA	30"	B&B Diervilla sessilifolia - Southern Bush Honeysuckle.....	100.54	
32 93 33 00-0146	EA	36"	B&B Diervilla sessilifolia - Southern Bush Honeysuckle.....	117.29	
32 93 33 00-0147	EA	2	Gallon Diervilla splendens - Splendens Bush Honeysuckle.....	31.42	
32 93 33 00-0148	EA	36"	B&B Diervilla splendens - Splendens Bush Honeysuckle.....	75.40	
32 93 33 00-0149	EA	48"	B&B Diervilla splendens - Splendens Bush Honeysuckle.....	100.54	
32 93 33 00-0150	EA	1	Gallon Elaeagnus - Silverberry.....	19.27	
32 93 33 00-0151	EA	3	Gallon Elaeagnus - Silverberry.....	38.54	
32 93 33 00-0152	EA	5	Gallon Elaeagnus - Silverberry.....	52.99	
32 93 33 00-0153	EA	3' To 4'	Elaeagnus umbellata - Autumn Olive.....	62.55	
32 93 33 00-0154	EA	4' To 5'	Elaeagnus umbellata - Autumn Olive.....	85.95	
32 93 33 00-0155	EA	5' To 6'	Elaeagnus umbellata - Autumn Olive.....	102.83	
32 93 33 00-0156	EA	3' To 4'	Elaeagnus angustifolia - Russian Olive.....	100.13	
32 93 33 00-0157	EA	1	Gallon Euonymus - Gold Spot.....	18.00	
32 93 33 00-0158	EA	2	Gallon Euonymus - Gold Spot.....	37.80	
32 93 33 00-0159	EA	5	Gallon Euonymus - Gold Spot.....	51.98	
32 93 33 00-0160	EA	1	Gallon Euonymus alatus - Winged Euonymus.....	15.37	
32 93 33 00-0161	EA	3	Gallon Euonymus alatus - Winged Euonymus.....	44.32	
32 93 33 00-0162	EA	24"	B&B Euonymus alatus - Winged Euonymus.....	59.73	
32 93 33 00-0163	EA	30"	B&B Euonymus alatus - Winged Euonymus.....	74.67	
32 93 33 00-0164	EA	36"	B&B Euonymus alatus - Winged Euonymus.....	102.61	
32 93 33 00-0165	EA	42"	B&B Euonymus alatus - Winged Euonymus.....	126.70	
32 93 33 00-0166	EA	48"	B&B Euonymus alatus - Winged Euonymus.....	149.34	
32 93 33 00-0167	EA	54"	B&B Euonymus alatus - Winged Euonymus.....	192.69	
32 93 33 00-0168	EA	5	Gallon Euonymus alatus - Winged Euonymus.....	55.40	
32 93 33 00-0169	EA	60"	B&B Euonymus alatus - Winged Euonymus.....	240.86	
32 93 33 00-0170	EA	30"	B&B Euonymus alatus compactus - Compact Winged Euonymus.....	94.25	
32 93 33 00-0171	EA	36"	B&B Euonymus alatus compactus - Compact Winged Euonymus.....	112.05	
32 93 33 00-0172	EA	42"	B&B Euonymus alatus compactus - Compact Winged Euonymus.....	146.61	
32 93 33 00-0173	EA	48"	B&B Euonymus alatus compactus - Compact Winged Euonymus.....	175.94	
32 93 33 00-0174	EA	60"	B&B Euonymus alatus compactus - Compact Winged Euonymus.....	217.83	
32 93 33 00-0175	EA	18"	To 24" Euonymus alatus - Winged Burning Bush.....	66.83	
32 93 33 00-0176	EA	2' To 2-1/2'	Euonymus alatus - Winged Burning Bush.....	78.75	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0177	EA	2-1/2'	To 3' Euonymus alatus - Winged Burning Bush.....	107.55	
32 93 33 00-0178	EA	3'	To 3-1/2' Euonymus alatus - Winged Burning Bush.....	128.93	
32 93 33 00-0179	EA	3-1/2'	To 4' Euonymus alatus - Winged Burning Bush.....	162.23	
32 93 33 00-0180	EA	4'	To 5' Euonymus alatus - Winged Burning Bush.....	229.05	
32 93 33 00-0181	EA	5'	To 6' Euonymus alatus - Winged Burning Bush.....	286.43	
32 93 33 00-0182	EA	6'	To 8' Euonymus alatus - Winged Burning Bush.....	334.13	
32 93 33 00-0183	EA	15"	To 18" Euonymus alatus - Dwarf Winged Burning Bush.....	66.83	
32 93 33 00-0184	EA	18"	To 24" Euonymus alatus - Dwarf Winged Burning Bush.....	76.28	
32 93 33 00-0185	EA	2'	To 2-1/2' Euonymus alatus - Dwarf Winged Burning Bush.....	93.15	
32 93 33 00-0186	EA	2-1/2'	To 3' Euonymus alatus - Dwarf Winged Burning Bush.....	131.40	
32 93 33 00-0187	EA	3'	To 3-1/2' Euonymus alatus - Dwarf Winged Burning Bush.....	155.25	
32 93 33 00-0188	EA	3-1/2'	To 4' Euonymus alatus - Dwarf Winged Burning Bush.....	186.08	
32 93 33 00-0189	EA	4'	To 5' Euonymus alatus - Dwarf Winged Burning Bush.....	262.58	
32 93 33 00-0190	EA	5'	To 6' Euonymus alatus - Dwarf Winged Burning Bush.....	310.28	
32 93 33 00-0191	EA	36"	B&B Euonymus atropurpurea - Eastern Wahoo.....	56.55	
32 93 33 00-0192	EA	1	Gallon Euonymus fortunei - Wintercreeper.....	21.60	
32 93 33 00-0193	EA	2	Gallon Euonymus fortunei - Wintercreeper.....	42.53	
32 93 33 00-0194	EA	3	Gallon Euonymus fortunei - Wintercreeper.....	51.98	
32 93 33 00-0195	EA	5	Gallon Euonymus fortunei - Wintercreeper.....	61.65	
32 93 33 00-0196	EA	2'	To 3' Forsythia - Korean Forsythia.....	47.70	
32 93 33 00-0197	EA	3'	To 4' Forsythia - Korean Forsythia.....	60.30	
32 93 33 00-0198	EA	4'	To 5' Forsythia - Korean Forsythia.....	75.15	
32 93 33 00-0199	EA	30"	B&B Forsythia cvs - Forsythia cultivars.....	48.17	
32 93 33 00-0200	EA	36"	B&B Forsythia cvs - Forsythia cultivars.....	53.41	
32 93 33 00-0201	EA	48"	B&B Forsythia cvs - Forsythia cultivars.....	57.60	
32 93 33 00-0202	EA	18"	B&B Forsythia viridissima & cvs - Green Forsythia.....	50.27	
32 93 33 00-0203	EA	24"	B&B Forsythia viridissima & cvs - Green Forsythia.....	67.02	
32 93 33 00-0204	EA	24"	B&B Forsythia x intermedia & cvs - Border Forsythia.....	50.27	
32 93 33 00-0205	EA	30"	B&B Forsythia x intermedia & cvs - Border Forsythia.....	58.65	
32 93 33 00-0206	EA	36"	B&B Forsythia x intermedia & cvs - Border Forsythia.....	69.12	
32 93 33 00-0207	EA	42"	B&B Forsythia x intermedia & cvs - Border Forsythia.....	79.59	
32 93 33 00-0208	EA	48"	B&B Forsythia x intermedia & cvs - Border Forsythia.....	92.16	
32 93 33 00-0209	EA	2	Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla.....	71.21	
32 93 33 00-0210	EA	3	Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla.....	99.49	
32 93 33 00-0211	EA	5	Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla.....	104.72	
32 93 33 00-0212	EA	15"	B&B Fothergilla gardenii & cvs - Dwarf Fothergilla.....	108.91	
32 93 33 00-0213	EA	18"	B&B Fothergilla gardenii & cvs - Dwarf Fothergilla.....	117.29	
32 93 33 00-0214	EA	24"	B&B Fothergilla gardenii & cvs - Dwarf Fothergilla.....	142.42	
32 93 33 00-0215	EA	24"	B&B Fothergilla major - Large Fothergilla.....	184.31	
32 93 33 00-0216	EA	30"	B&B Fothergilla major - Large Fothergilla.....	209.45	
32 93 33 00-0217	EA	1	Gallon Gardenia jasminoides - Cape Jasmine.....	15.53	
32 93 33 00-0218	EA	3	Gallon Gardenia jasminoides - Cape Jasmine.....	40.73	
32 93 33 00-0219	EA	5	Gallon Gardenia jasminoides - Cape Jasmine.....	51.98	
32 93 33 00-0220	EA	36"	B&B Hamamelis vernalis & cvs - Vernal Witchhazel.....	146.61	
32 93 33 00-0221	EA	48"	B&B Hamamelis vernalis & cvs - Vernal Witchhazel.....	238.77	
32 93 33 00-0222	EA	60"	B&B Hamamelis vernalis & cvs - Vernal Witchhazel.....	301.60	
32 93 33 00-0223	EA	72"	B&B Hamamelis vernalis & cvs - Vernal Witchhazel.....	460.79	
32 93 33 00-0224	EA	84"	B&B Hamamelis vernalis & cvs - Vernal Witchhazel.....	523.62	
32 93 33 00-0225	EA	1	Gallon Hedychium gartdnerum - Variegated Ginger.....	8.91	
32 93 33 00-0226	EA	3	Gallon Hedychium gartdnerum - Variegated Ginger.....	31.31	
32 93 33 00-0227	EA	5	Gallon Hedychium gartdnerum - Variegated Ginger.....	60.22	
32 93 33 00-0228	EA	1	Gallon Hibiscus rosa-sinensis - Hibiscus.....	22.83	
32 93 33 00-0229	EA	3	Gallon Hibiscus rosa-sinensis - Hibiscus.....	38.54	
32 93 33 00-0230	EA	5	Gallon Hibiscus rosa-sinensis - Hibiscus.....	58.29	
32 93 33 00-0231	EA	5	Gallon Hibiscus syriacus - Rose Of Sharon.....	60.30	
32 93 33 00-0232	EA	2'	To 3' Hibiscus syriacus - Rose Of Sharon.....	51.30	
32 93 33 00-0233	EA	3'	To 4' Hibiscus syriacus - Rose Of Sharon.....	69.30	
32 93 33 00-0234	EA	4'	To 5' Hibiscus syriacus - Rose Of Sharon.....	100.13	
32 93 33 00-0235	EA	5'	To 6' Hibiscus syriacus - Rose Of Sharon.....	138.38	
32 93 33 00-0236	EA	2	Gallon Hydrangea - Blue Hydrangea.....	42.53	
32 93 33 00-0237	EA	5	Gallon Hydrangea - Blue Hydrangea.....	59.85	
32 93 33 00-0238	EA	2'	To 3' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea.....	66.83	
32 93 33 00-0239	EA	3'	To 4' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea.....	76.28	
32 93 33 00-0240	EA	2	Gallon Hydrangea quercifolia - Oakleaf Hydrangea.....	42.53	
32 93 33 00-0241	EA	5	Gallon Hydrangea arborescens & cvs - Smooth Hydrangea.....	73.31	
32 93 33 00-0242	EA	30"	B&B Hydrangea arborescens & cvs - Smooth Hydrangea.....	79.59	
32 93 33 00-0243	EA	36"	B&B Hydrangea arborescens & cvs - Smooth Hydrangea.....	92.16	
32 93 33 00-0244	EA	4	Gallon Hydrangea macrophylla & cvs - Bigleaf Hydrangea.....	96.35	
32 93 33 00-0245	EA	18"	B&B Hydrangea macrophylla & cvs - Bigleaf Hydrangea.....	75.40	
32 93 33 00-0246	EA	24"	B&B Hydrangea macrophylla & cvs - Bigleaf Hydrangea.....	100.54	
32 93 33 00-0247	EA	3	Gallon Hydrangea paniculata & cvs - Panicle Hydrangea.....	43.98	
32 93 33 00-0248	EA	5	Gallon Hydrangea paniculata & cvs - Panicle Hydrangea.....	52.36	
32 93 33 00-0249	EA	18"	B&B Hydrangea paniculata & cvs - Panicle Hydrangea.....	45.03	
32 93 33 00-0250	EA	24"	B&B Hydrangea paniculata & cvs - Panicle Hydrangea.....	48.17	
32 93 33 00-0251	EA	30"	B&B Hydrangea paniculata & cvs - Panicle Hydrangea.....	54.46	
32 93 33 00-0252	EA	36"	B&B Hydrangea paniculata & cvs - Panicle Hydrangea.....	62.83	
32 93 33 00-0253	EA	48"	B&B Hydrangea paniculata & cvs - Panicle Hydrangea.....	83.78	
32 93 33 00-0254	EA	18"	B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea.....	60.74	
32 93 33 00-0255	EA	24"	B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea.....	69.12	
32 93 33 00-0256	EA	30"	B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea.....	81.68	
32 93 33 00-0257	EA	2	Gallon Hypericum kalmianum - St. John's Wort.....	42.53	



**32 Exterior Improvements****32 90 Planting****32 93 Plants**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 33 00-0258	EA	3 Gallon Hypericum kalmianun - Kalm St. John's Wort.....	50.27	
32 93 33 00-0259	EA	24" B&B Hypericum kalmianun - Kalm St. John's Wort.....	54.46	
32 93 33 00-0260	EA	1 Gallon Ilex "Carissa" - Holly.....	21.60	
32 93 33 00-0261	EA	2 Gallon Ilex "Carissa" - Holly.....	42.53	
32 93 33 00-0262	EA	5 Gallon Ilex "Carissa" - Holly.....	59.85	
32 93 33 00-0263	EA	18" To 24" Ilex - Gulfside Sweet Holly.....	57.38	
32 93 33 00-0264	EA	2' To 2-1/2' Ilex - Gulfside Sweet Holly.....	72.68	
32 93 33 00-0265	EA	2-1/2' To 3' Ilex - Gulfside Sweet Holly.....	94.28	
32 93 33 00-0266	EA	3' To 3-1/2' Ilex - Gulfside Sweet Holly.....	114.53	
32 93 33 00-0267	EA	3 Gallon Ilex cornuta - Dwarf Horned Holly.....	42.86	
32 93 33 00-0268	EA	1 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly.....	21.60	
32 93 33 00-0269	EA	2 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly.....	42.53	
32 93 33 00-0270	EA	5 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly.....	61.65	
32 93 33 00-0271	EA	1 Gallon Ilex crenata - Hellers Japanese Holly.....	21.60	
32 93 33 00-0272	EA	2 Gallon Ilex crenata - Hellers Japanese Holly.....	47.25	
32 93 33 00-0273	EA	3 Gallon Ilex crenata - Hellers Japanese Holly.....	61.65	
32 93 33 00-0274	EA	2 Gallon Ilex crenata - Hetzi Japanese Holly.....	47.25	
32 93 33 00-0275	EA	3 Gallon Ilex crenata - Hetzi Japanese Holly.....	56.93	
32 93 33 00-0276	EA	2' To 3' Ilex crenata - Hetzi Japanese Holly.....	114.53	
32 93 33 00-0277	EA	3' To 4' Ilex crenata - Hetzi Japanese Holly.....	152.78	
32 93 33 00-0278	EA	2' To 3' Ilex opaca - American Holly.....	152.78	
32 93 33 00-0279	EA	3' To 4' Ilex opaca - American Holly.....	252.91	
32 93 33 00-0280	EA	4' To 5' Ilex opaca - American Holly.....	324.46	
32 93 33 00-0281	EA	5' To 6' Ilex opaca - American Holly.....	391.28	
32 93 33 00-0282	EA	6' To 7' Ilex opaca - American Holly.....	548.79	
32 93 33 00-0283	EA	7' To 8' Ilex opaca - American Holly.....	763.67	
32 93 33 00-0284	EA	8' To 10' Ilex opaca - American Holly.....	1,097.57	
32 93 33 00-0285	EA	10' To 12' Ilex opaca - American Holly.....	1,670.44	
32 93 33 00-0286	EA	12' To 14' Ilex opaca - American Holly.....	2,028.19	
32 93 33 00-0287	EA	14' To 16' Ilex opaca - American Holly.....	2,505.43	
32 93 33 00-0288	EA	2' To 3' Ilex verticillata - Winterberry (Female).....	152.78	
32 93 33 00-0289	EA	3' To 4' Ilex verticillata - Winterberry (Female).....	200.48	
32 93 33 00-0290	EA	2' To 3' Ilex verticillata - Winterberry (Male).....	123.98	
32 93 33 00-0291	EA	3' To 4' Ilex verticillata - Winterberry (Male).....	171.90	
32 93 33 00-0292	EA	4' To 5' Ilex verticillata - Winterberry (Male).....	200.48	
32 93 33 00-0293	EA	1 Gallon Ilex vomitoria - Yaupon Holly.....	20.25	
32 93 33 00-0294	EA	3 Gallon Ilex vomitoria - Yaupon Holly.....	40.73	
32 93 33 00-0295	EA	10 Gallon Ilex vomitoria - Yaupon Holly.....	143.10	
32 93 33 00-0296	EA	18" B&B Ilex glabra compacta & cvs - Compact Inkberry Holly.....	64.93	
32 93 33 00-0297	EA	24" B&B Ilex glabra compacta & cvs - Compact Inkberry Holly.....	73.31	
32 93 33 00-0298	EA	3 Gallon Ilex meserveae & cvs - Blue Holly.....	83.78	
32 93 33 00-0299	EA	18" B&B Ilex meserveae & cvs - Blue Holly.....	77.50	
32 93 33 00-0300	EA	24" B&B Ilex meserveae & cvs - Blue Holly.....	94.25	
32 93 33 00-0301	EA	5 Gallon Ilex verticillata & cvs - Common Winterberry.....	69.12	
32 93 33 00-0302	EA	24" B&B Ilex verticillata & cvs - Common Winterberry.....	69.12	
32 93 33 00-0303	EA	30" B&B Ilex verticillata & cvs - Common Winterberry.....	73.31	
32 93 33 00-0304	EA	36" B&B Ilex verticillata & cvs - Common Winterberry.....	87.97	
32 93 33 00-0305	EA	42" B&B Ilex verticillata & cvs - Common Winterberry.....	98.44	
32 93 33 00-0306	EA	48" B&B Ilex verticillata & cvs - Common Winterberry.....	104.72	
32 93 33 00-0307	EA	60" B&B Ilex verticillata & cvs - Common Winterberry.....	134.05	
32 93 33 00-0308	EA	4' To 5' Ilex x attenuata "Foster" - Holly.....	248.18	
32 93 33 00-0309	EA	5' To 6' Ilex x attenuata "Foster" - Holly.....	329.18	
32 93 33 00-0310	EA	6' To 7' Ilex x attenuata "Foster" - Holly.....	294.53	
32 93 33 00-0311	EA	7' To 8' Ilex x attenuata "Foster" - Holly.....	572.64	
32 93 33 00-0312	EA	1 Gallon Jasminum - Jasmine.....	5.54	
32 93 33 00-0313	EA	3 Gallon Jasminum - Jasmine.....	21.68	
32 93 33 00-0314	EA	3 Gallon Jasminum - Orange Jasmine.....	16.86	
32 93 33 00-0315	EA	4' - 5' Jasminum - Orange Jasmine.....	192.69	
32 93 33 00-0316	EA	6' - 7' Jasminum - Orange Jasmine.....	385.38	
32 93 33 00-0317	EA	8' - 10' Jasminum - Orange Jasmine.....	520.27	
32 93 33 00-0318	EA	3 Gallon Juniperus chinensis cvs - Chinese Juniper.....	73.31	
32 93 33 00-0319	EA	5 Gallon Juniperus chinensis cvs - Chinese Juniper.....	81.68	
32 93 33 00-0320	EA	18" B&B Juniperus chinensis cvs - Chinese Juniper.....	108.91	
32 93 33 00-0321	EA	24" B&B Juniperus chinensis cvs - Chinese Juniper.....	142.42	
32 93 33 00-0322	EA	30" B&B Juniperus chinensis cvs - Chinese Juniper.....	167.56	
32 93 33 00-0323	EA	36" B&B Juniperus chinensis cvs - Chinese Juniper.....	226.20	
32 93 33 00-0324	EA	48" B&B Juniperus chinensis cvs - Chinese Juniper.....	309.98	
32 93 33 00-0325	EA	1 Gallon Juniperus horizontalis cvs - Creeping Juniper.....	34.93	
32 93 33 00-0326	EA	3 Gallon Juniperus horizontalis cvs - Creeping Juniper.....	73.31	
32 93 33 00-0327	EA	5 Gallon Juniperus horizontalis cvs - Creeping Juniper.....	81.68	
32 93 33 00-0328	EA	15" B&B Juniperus horizontalis cvs - Creeping Juniper.....	87.97	
32 93 33 00-0329	EA	18" B&B Juniperus horizontalis cvs - Creeping Juniper.....	96.35	
32 93 33 00-0330	EA	24" B&B Juniperus horizontalis cvs - Creeping Juniper.....	117.29	
32 93 33 00-0331	EA	30" B&B Juniperus horizontalis cvs - Creeping Juniper.....	142.42	
32 93 33 00-0332	EA	3 Gallon Juniperus procumbens cvs - Japanese Garden Juniper.....	56.55	
32 93 33 00-0333	EA	18" B&B Juniperus procumbens cvs - Japanese Garden Juniper.....	67.02	
32 93 33 00-0334	EA	24" B&B Juniperus procumbens cvs - Japanese Garden Juniper.....	92.16	
32 93 33 00-0335	EA	30" B&B Juniperus procumbens cvs - Japanese Garden Juniper.....	117.29	
32 93 33 00-0336	EA	36" B&B Juniperus procumbens cvs - Japanese Garden Juniper.....	142.42	
32 93 33 00-0337	EA	3 Gallon Juniperus sabina cvs - Savin Juniper.....	52.36	
32 93 33 00-0338	EA	5 Gallon Juniperus sabina cvs - Savin Juniper.....	62.83	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0339	EA	4	Gallon Juniperus virginiana cvs - Red Cedar Juniper.....	54.46	
32 93 33 00-0340	EA	36"	B&B Juniperus virginiana cvs - Red Cedar Juniper.....	104.72	
32 93 33 00-0341	EA	48"	B&B Juniperus virginiana cvs - Red Cedar Juniper.....	163.37	
32 93 33 00-0342	EA	60"	B&B Juniperus virginiana cvs - Red Cedar Juniper.....	205.26	
32 93 33 00-0343	EA	15"	To 18" Kalmia latifolia - Mountain Laurel.....	85.95	
32 93 33 00-0344	EA	18"	To 24" Kalmia latifolia - Mountain Laurel.....	114.53	
32 93 33 00-0345	EA	2'	To 3' Kalmia latifolia - Mountain Laurel.....	166.95	
32 93 33 00-0346	EA	4'	To 5' Kalmia latifolia - Mountain Laurel.....	305.33	
32 93 33 00-0347	EA	5'	To 6' Kalmia latifolia - Mountain Laurel.....	467.78	
32 93 33 00-0348	EA	6'	To 8' Kalmia latifolia - Mountain Laurel.....	715.97	
32 93 33 00-0349	EA	1	Gallon Kerria japonica - Kerria.....	19.12	
32 93 33 00-0350	EA	5	Gallon Kerria japonica - Kerria.....	59.85	
32 93 33 00-0351	EA	24"	B&B Kolkwitzia amabilis & cvs - Beautybush.....	60.74	
32 93 33 00-0352	EA	30"	B&B Kolkwitzia amabilis & cvs - Beautybush.....	69.12	
32 93 33 00-0353	EA	36"	B&B Kolkwitzia amabilis & cvs - Beautybush.....	75.40	
32 93 33 00-0354	EA	42"	B&B Kolkwitzia amabilis & cvs - Beautybush.....	87.97	
32 93 33 00-0355	EA	48"	B&B Kolkwitzia amabilis & cvs - Beautybush.....	100.54	
32 93 33 00-0356	EA	60"	B&B Kolkwitzia amabilis & cvs - Beautybush.....	125.67	
32 93 33 00-0357	EA	1	Gallon Lagerstroemia indica - Crape Myrtle.....	14.40	
32 93 33 00-0358	EA	5	Gallon Lagerstroemia indica - Crape Myrtle.....	51.30	
32 93 33 00-0359	EA	3'	To 4' Lagerstroemia indica - Crape Myrtle.....	71.55	
32 93 33 00-0360	EA	4'	To 5' Lagerstroemia indica - Crape Myrtle.....	105.08	
32 93 33 00-0361	EA	5'	To 6' Lagerstroemia indica - Crape Myrtle.....	166.95	
32 93 33 00-0362	EA	7'	To 8' Lagerstroemia indica - Crape Myrtle.....	216.78	
32 93 33 00-0363	EA	9'	To 10' Lagerstroemia indica - Crape Myrtle.....	289.04	
32 93 33 00-0364	EA	11'	To 12' Lagerstroemia indica - Crape Myrtle.....	602.16	
32 93 33 00-0365	EA	1	Gallon Leucothoe axillaris - Coast Leucothoe.....	21.60	
32 93 33 00-0366	EA	2	Gallon Leucothoe axillaris - Coast Leucothoe.....	47.25	
32 93 33 00-0367	EA	3	Gallon Leucothoe axillaris - Coast Leucothoe.....	56.93	
32 93 33 00-0368	EA	1	Gallon Ligustrum lucidum - Glossy Privet.....	13.28	
32 93 33 00-0369	EA	5	Gallon Ligustrum lucidum - Glossy Privet.....	40.73	
32 93 33 00-0370	EA	15	Gallon Ligustrum lucidum - Glossy Privet.....	190.80	
32 93 33 00-0371	EA	1	Gallon Ligustrum sinense - Variegated Chinese Privet.....	13.28	
32 93 33 00-0372	EA	2	Gallon Ligustrum sinense - Variegated Chinese Privet.....	28.58	
32 93 33 00-0373	EA	3	Gallon Ligustrum sinense - Variegated Chinese Privet.....	37.13	
32 93 33 00-0374	EA	36"	B&B Ligustrum vulgare & cvs - Common Privet.....	62.83	
32 93 33 00-0375	EA	48"	B&B Ligustrum vulgare & cvs - Common Privet.....	92.16	
32 93 33 00-0376	EA	60"	B&B Ligustrum vulgare & cvs - Common Privet.....	117.29	
32 93 33 00-0377	EA	72"	B&B Ligustrum vulgare & cvs - Common Privet.....	134.05	
32 93 33 00-0378	EA	5	Gallon Linderia benzoin - Spicebush.....	69.12	
32 93 33 00-0379	EA	36"	B&B Linderia benzoin - Spicebush.....	58.65	
32 93 33 00-0380	EA	48"	B&B Linderia benzoin - Spicebush.....	71.21	
32 93 33 00-0381	EA	2'	To 3' Lonicera fragrantissima - Winter Honeysuckle.....	114.53	
32 93 33 00-0382	EA	3'	To 4' Lonicera fragrantissima - Winter Honeysuckle.....	138.38	
32 93 33 00-0383	EA	30"	B&B Lonicera tatarica & cvs - Tatarian Honeysuckle.....	62.83	
32 93 33 00-0384	EA	36"	B&B Lonicera tatarica & cvs - Tatarian Honeysuckle.....	75.40	
32 93 33 00-0385	EA	42"	B&B Lonicera tatarica & cvs - Tatarian Honeysuckle.....	83.78	
32 93 33 00-0386	EA	48"	B&B Lonicera tatarica & cvs - Tatarian Honeysuckle.....	92.16	
32 93 33 00-0387	EA	1	Gallon Myrica cerifera - Wax Myrtle.....	12.04	
32 93 33 00-0388	EA	4	Gallon Myrica cerifera - Wax Myrtle.....	38.54	
32 93 33 00-0389	EA	7	Gallon Myrica cerifera - Wax Myrtle.....	84.30	
32 93 33 00-0390	EA	10	Gallon Myrica cerifera - Wax Myrtle.....	125.25	
32 93 33 00-0391	EA	15	Gallon Myrica cerifera - Wax Myrtle.....	192.69	
32 93 33 00-0392	EA	45	Gallon Myrica cerifera - Wax Myrtle.....	578.08	
32 93 33 00-0393	EA	1'	- 2' Myrica cerifera - Wax Myrtle.....	16.86	
32 93 33 00-0394	EA	3'	- 4' Myrica cerifera - Wax Myrtle.....	57.81	
32 93 33 00-0395	EA	5'	- 6' Myrica cerifera - Wax Myrtle.....	105.98	
32 93 33 00-0396	EA	7'	- 8' Myrica cerifera - Wax Myrtle.....	144.52	
32 93 33 00-0397	EA	9'	- 10' Myrica cerifera - Wax Myrtle.....	192.69	
32 93 33 00-0398	EA	11'	- 12' Myrica cerifera - Wax Myrtle.....	293.86	
32 93 33 00-0399	EA	3	Gallon Myrica pensylvanica - Northern Bayberry.....	62.83	
32 93 33 00-0400	EA	24"	B&B Myrica pensylvanica - Northern Bayberry.....	102.63	
32 93 33 00-0401	EA	30"	B&B Myrica pensylvanica - Northern Bayberry.....	150.80	
32 93 33 00-0402	EA	36"	B&B Myrica pensylvanica - Northern Bayberry.....	180.13	
32 93 33 00-0403	EA	48"	B&B Myrica pensylvanica - Northern Bayberry.....	188.50	
32 93 33 00-0404	EA	1	Gallon Nandina domestica - Heavenly Bamboo.....	21.60	
32 93 33 00-0405	EA	2	Gallon Nandina domestica - Heavenly Bamboo.....	47.25	
32 93 33 00-0406	EA	5	Gallon Nandina domestica - Heavenly Bamboo.....	71.55	
32 93 33 00-0407	EA	1	Gallon Osmanthus fragrans - Fragrant Tea Olive.....	13.28	
32 93 33 00-0408	EA	3	Gallon Osmanthus fragrans - Fragrant Tea Olive.....	36.00	
32 93 33 00-0409	EA	1	Gallon Philadelphus - Evergreen Mockorange.....	18.45	
32 93 33 00-0410	EA	5	Gallon Philadelphus - Evergreen Mockorange.....	59.85	
32 93 33 00-0411	EA	36"	B&B Philadelphus x virginialis & cvs - Mockorange.....	62.83	
32 93 33 00-0412	EA	42"	B&B Philadelphus x virginialis & cvs - Mockorange.....	73.31	
32 93 33 00-0413	EA	48"	B&B Philadelphus x virginialis & cvs - Mockorange.....	83.78	
32 93 33 00-0414	EA	24"	B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	62.83	
32 93 33 00-0415	EA	30"	B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	73.31	
32 93 33 00-0416	EA	36"	B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	83.78	
32 93 33 00-0417	EA	42"	B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	104.72	
32 93 33 00-0418	EA	48"	B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	125.67	
32 93 33 00-0419	EA	12"	To 15" Spread Pieris - Mountain Andromeda.....	57.83	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 33 00-0420	EA	15" To 18" Spread Pieris - Mountain Andromeda	123.98	
32 93 33 00-0421	EA	12" To 15" Pieris japonica - Japanese Andromeda	75.15	
32 93 33 00-0422	EA	15" To 18" Pieris japonica - Japanese Andromeda	85.95	
32 93 33 00-0423	EA	18" To 24" Pieris japonica - Japanese Andromeda	107.55	
32 93 33 00-0424	EA	2' To 2-1/2' Pieris japonica - Japanese Andromeda	152.78	
32 93 33 00-0425	EA	2-1/2' To 3' Pieris japonica - Japanese Andromeda	181.35	
32 93 33 00-0426	EA	24" B&B Pinus mugo & cvs - Mugo Pine	40.73	
32 93 33 00-0427	EA	30" B&B Pinus mugo & cvs - Mugo Pine	52.13	
32 93 33 00-0428	EA	36" B&B Pinus mugo & cvs - Mugo Pine	62.72	
32 93 33 00-0429	EA	48" B&B Pinus mugo & cvs - Mugo Pine	80.64	
32 93 33 00-0430	EA	60" B&B Pinus mugo & cvs - Mugo Pine	96.93	
32 93 33 00-0431	EA	72" B&B Pinus mugo & cvs - Mugo Pine	141.73	
32 93 33 00-0432	EA	30" B&B Pinus mugo compacta - Dwarf Mugo Pine	87.97	
32 93 33 00-0433	EA	36" B&B Pinus mugo compacta - Dwarf Mugo Pine	105.89	
32 93 33 00-0434	EA	48" B&B Pinus mugo compacta - Dwarf Mugo Pine	140.91	
32 93 33 00-0435	EA	1 Gallon Pittosporum - Pittosporum	7.95	
32 93 33 00-0436	EA	3 Gallon Pittosporum - Pittosporum	20.47	
32 93 33 00-0437	EA	1 Gallon Pittosporum - Varigated Pittosporum	7.95	
32 93 33 00-0438	EA	3 Gallon Pittosporum - Varigated Pittosporum	20.47	
32 93 33 00-0439	EA	5 Gallon Pittosporum - Varigated Pittosporum	35.89	
32 93 33 00-0440	EA	1 Gallon Podocarpus macrophyllus - Yew Podocarpus	9.63	
32 93 33 00-0441	EA	3 Gallon Podocarpus macrophyllus - Yew Podocarpus	28.90	
32 93 33 00-0442	EA	2 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	35.61	
32 93 33 00-0443	EA	5 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	50.27	
32 93 33 00-0444	EA	18" B&B Potentilla fruticosa & cvs - Bush Cinquefoil	37.70	
32 93 33 00-0445	EA	24" B&B Potentilla fruticosa & cvs - Bush Cinquefoil	41.89	
32 93 33 00-0446	EA	30" B&B Potentilla fruticosa & cvs - Bush Cinquefoil	60.74	
32 93 33 00-0447	EA	36" B&B Potentilla fruticosa & cvs - Bush Cinquefoil	70.16	
32 93 33 00-0448	EA	1 Gallon Prunus caroliniana - Carolina Cherry Laurel	5.60	
32 93 33 00-0449	EA	5 Gallon Prunus caroliniana - Carolina Cherry Laurel	14.00	
32 93 33 00-0450	EA	15 Gallon Prunus caroliniana - Carolina Cherry Laurel	83.48	
32 93 33 00-0451	EA	15" To 18" Prunus laurocerasus - Cherry Laurel	21.35	
32 93 33 00-0452	EA	18" To 24" Prunus laurocerasus - Cherry Laurel	26.43	
32 93 33 00-0453	EA	24" To 30" Prunus laurocerasus - Cherry Laurel	34.39	
32 93 33 00-0454	EA	15" To 18" Prunus triloba - Double White Flowering Almond	19.08	
32 93 33 00-0455	EA	18" To 24" Prunus triloba - Double White Flowering Almond	24.41	
32 93 33 00-0456	EA	3' To 4' Prunus triloba - Double White Flowering Almond	38.94	
32 93 33 00-0457	EA	4' To 6' Prunus triloba - Double White Flowering Almond	77.96	
32 93 33 00-0458	EA	5 Gallon Prunus triloba - Pink Flowering Almond	23.45	
32 93 33 00-0459	EA	18" To 24" Prunus triloba - Pink Flowering Almond	26.34	
32 93 33 00-0460	EA	2' To 3' Prunus triloba - Pink Flowering Almond	30.63	
32 93 33 00-0461	EA	2' To 3' Prunus virginiana - Brilliant Chokeberry	20.83	
32 93 33 00-0462	EA	3' To 4' Prunus virginiana - Brilliant Chokeberry	25.55	
32 93 33 00-0463	EA	4' To 5' Prunus virginiana - Brilliant Chokeberry	30.63	
32 93 33 00-0464	EA	5' To 6' Prunus virginiana - Brilliant Chokeberry	35.09	
32 93 33 00-0465	EA	1 Gallon Punica granatum - Dwarf Pomegranate	14.18	
32 93 33 00-0466	EA	3 Gallon Punica granatum - Dwarf Pomegranate	41.85	
32 93 33 00-0467	EA	7 Gallon Punica granatum - Dwarf Pomegranate	85.95	
32 93 33 00-0468	EA	1 Gallon Pyracantha koidzumii "Santa Cruz" - Pyracantha	18.00	
32 93 33 00-0469	EA	5 Gallon Pyracantha koidzumii "Santa Cruz" - Pyracantha	59.85	
32 93 33 00-0470	EA	5 Gallon Espalier Pyracantha koidzumii "Santa Cruz" - Pyracantha	123.98	
32 93 33 00-0471	EA	1 Gallon Ralphirolepis indica - Indian Hawthorne	14.40	
32 93 33 00-0472	EA	2 Gallon Ralphirolepis indica - Indian Hawthorne	27.45	
32 93 33 00-0473	EA	5 Gallon Ralphirolepis indica - Indian Hawthorne	48.83	
32 93 33 00-0474	EA	4' To 5' Rhamnus frangula "Columnaris" - Tallhedge	109.80	
32 93 33 00-0475	EA	5' To 6' Rhamnus frangula "Columnaris" - Tallhedge	150.53	
32 93 33 00-0476	EA	6' To 8' Rhamnus frangula "Columnaris" - Tallhedge	195.75	
32 93 33 00-0477	EA	10' To 12' Rhamnus frangula "Columnaris" - Tallhedge	357.98	
32 93 33 00-0478	EA	1 Gallon Rhododendron - Azalea Evergreen Hybrids	23.40	
32 93 33 00-0479	EA	2 Gallon Rhododendron - Azalea Evergreen Hybrids	47.25	
32 93 33 00-0480	EA	3 Gallon Rhododendron - Azalea Evergreen Hybrids	61.65	
32 93 33 00-0481	EA	5 Gallon Rhododendron - Azalea Evergreen Hybrids	71.55	
32 93 33 00-0482	EA	15" To 18" Rhododendron - Azalea Evergreen Hybrids	83.70	
32 93 33 00-0483	EA	18" To 24" Rhododendron - Azalea Evergreen Hybrids	105.08	
32 93 33 00-0484	EA	2' To 2-1/2' Rhododendron - Azalea Evergreen Hybrids	152.78	
32 93 33 00-0485	EA	2-1/2' To 3' Rhododendron - Azalea Evergreen Hybrids	214.66	
32 93 33 00-0486	EA	1 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	26.33	
32 93 33 00-0487	EA	2 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	47.25	
32 93 33 00-0488	EA	15' To 18' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	81.23	
32 93 33 00-0489	EA	18' To 24' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	105.08	
32 93 33 00-0490	EA	2' To 3' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	152.78	
32 93 33 00-0491	EA	3' To 4' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	224.33	
32 93 33 00-0492	EA	4' To 5' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	300.61	
32 93 33 00-0493	EA	5 Gallon Rhododendron - Boxleaf Azara	59.85	
32 93 33 00-0494	EA	15 Gallon Rhododendron - Boxleaf Azara	214.66	
32 93 33 00-0495	EA	15" To 18" Rhododendron - Carolina Rhododendron	67.73	
32 93 33 00-0496	EA	18" To 24" Rhododendron - Carolina Rhododendron	119.25	
32 93 33 00-0497	EA	24" To 30" Rhododendron - Carolina Rhododendron	176.63	
32 93 33 00-0498	EA	2' To 3' Rhododendron - Five-leaved Azalea	80.33	
32 93 33 00-0499	EA	3' To 4' Rhododendron - Five-leaved Azalea	105.08	
32 93 33 00-0500	EA	4' To 5' Rhododendron - Five-leaved Azalea	138.38	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0501	EA		15" To 18" Rhododendron - Ghent Azalea.....	80.33	
32 93 33 00-0502	EA		18" To 24" Rhododendron - Ghent Azalea.....	100.13	
32 93 33 00-0503	EA		2' To 3' Rhododendron - Ghent Azalea.....	162.23	
32 93 33 00-0504	EA		3' To 4' Rhododendron - Ghent Azalea.....	224.33	
32 93 33 00-0505	EA		4' To 5' Rhododendron - Ghent Azalea.....	300.61	
32 93 33 00-0506	EA		5' To 6' Rhododendron - Ghent Azalea.....	400.96	
32 93 33 00-0507	EA		1 Gallon Rhododendron - Hybrid Rhododendron.....	26.33	
32 93 33 00-0508	EA		2 Gallon Rhododendron - Hybrid Rhododendron.....	56.93	
32 93 33 00-0509	EA		3 Gallon Rhododendron - Hybrid Rhododendron.....	80.78	
32 93 33 00-0510	EA		5 Gallon Rhododendron - Hybrid Rhododendron.....	90.23	
32 93 33 00-0511	EA		15" To 18" Rhododendron - Hybrid Rhododendron.....	76.28	
32 93 33 00-0512	EA		18" To 24" Rhododendron - Hybrid Rhododendron.....	105.08	
32 93 33 00-0513	EA		24" To 30" Rhododendron - Hybrid Rhododendron.....	143.10	
32 93 33 00-0514	EA		30" To 36" Rhododendron - Hybrid Rhododendron.....	166.95	
32 93 33 00-0515	EA		36" To 42" Rhododendron - Hybrid Rhododendron.....	238.73	
32 93 33 00-0516	EA		42" To 48" Rhododendron - Hybrid Rhododendron.....	295.88	
32 93 33 00-0517	EA		15" To 18" Rhododendron - Pjm Rhododendron.....	85.95	
32 93 33 00-0518	EA		18" To 24" Rhododendron - Pjm Rhododendron.....	105.08	
32 93 33 00-0519	EA		2' To 2-1/2' Rhododendron - Pjm Rhododendron.....	152.78	
32 93 33 00-0520	EA		2-1/2 To 3' Rhododendron - Pjm Rhododendron.....	195.75	
32 93 33 00-0521	EA		3' To 3-1/2' Rhododendron - Pjm Rhododendron.....	238.73	
32 93 33 00-0522	EA		12" To 15" Rhododendron - Torch Azalea.....	66.83	
32 93 33 00-0523	EA		15" To 18" Rhododendron - Torch Azalea.....	80.33	
32 93 33 00-0524	EA		18" To 24" Rhododendron - Torch Azalea.....	100.13	
32 93 33 00-0525	EA		2' To 3' Rhododendron - Torch Azalea.....	166.95	
32 93 33 00-0526	EA		3 Gallon Rhododendron cvs - Lepidote Rhododendron.....	75.40	
32 93 33 00-0527	EA		5 Gallon Rhododendron cvs - Lepidote Rhododendron.....	92.16	
32 93 33 00-0528	EA		18" B&B Rhododendron cvs - Lepidote Rhododendron.....	113.10	
32 93 33 00-0529	EA		24" B&B Rhododendron cvs - Lepidote Rhododendron.....	142.42	
32 93 33 00-0530	EA		30" B&B Rhododendron cvs - Lepidote Rhododendron.....	167.56	
32 93 33 00-0531	EA		36" B&B Rhododendron cvs - Lepidote Rhododendron.....	201.07	
32 93 33 00-0532	EA		1 Gallon Rhus glabra - Dwarf Smooth Sumac.....	21.60	
32 93 33 00-0533	EA		5 Gallon Rhus glabra - Dwarf Smooth Sumac.....	59.85	
32 93 33 00-0534	EA		2 Gallon Rhus aromatica & cvs - Fragrant Sumac.....	50.27	
32 93 33 00-0535	EA		5 Gallon Rhus aromatica & cvs - Fragrant Sumac.....	69.12	
32 93 33 00-0536	EA		18" B&B Rhus aromatica & cvs - Fragrant Sumac.....	79.59	
32 93 33 00-0537	EA		24" B&B Rhus aromatica & cvs - Fragrant Sumac.....	104.72	
32 93 33 00-0538	EA		36" B&B Rhus glabra - Smooth Sumac.....	62.83	
32 93 33 00-0539	EA		48" B&B Rhus typhina & cvs - Staghorn Sumac.....	104.72	
32 93 33 00-0540	EA		72" B&B Rhus typhina & cvs - Staghorn Sumac.....	167.56	
32 93 33 00-0541	EA		15" B&B Ribes alpinum & cvs - Alpine Currant.....	56.55	
32 93 33 00-0542	EA		18" B&B Ribes alpinum & cvs - Alpine Currant.....	64.93	
32 93 33 00-0543	EA		24" B&B Ribes alpinum & cvs - Alpine Currant.....	94.25	
32 93 33 00-0544	EA		30" B&B Ribes alpinum & cvs - Alpine Currant.....	125.67	
32 93 33 00-0545	EA		1 Gallon Rosa hybrids & cvs - Shrub Rose.....	34.56	
32 93 33 00-0546	EA		2 Gallon Rosa hybrids & cvs - Shrub Rose.....	41.89	
32 93 33 00-0547	EA		3 Gallon Rosa hybrids & cvs - Shrub Rose.....	52.36	
32 93 33 00-0548	EA		2 Gallon Rosa rugosa & cvs - Rugosa Rose.....	37.70	
32 93 33 00-0549	EA		3 Gallon Rosa rugosa & cvs - Rugosa Rose.....	48.17	
32 93 33 00-0550	EA		5 Gallon Sambucus canadensis - American Elder.....	69.12	
32 93 33 00-0551	EA		2 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca.....	31.05	
32 93 33 00-0552	EA		3 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca.....	45.45	
32 93 33 00-0553	EA		1 Gallon Sarcococca humilis - Fragrant Sarcococca.....	16.88	
32 93 33 00-0554	EA		5 Gallon Sarcococca humilis - Fragrant Sarcococca.....	44.10	
32 93 33 00-0555	EA		1 Gallon Skimmia japonica - Japanese Skimmia.....	21.60	
32 93 33 00-0556	EA		2 Gallon Skimmia japonica - Japanese Skimmia.....	42.98	
32 93 33 00-0557	EA		5 Gallon Skimmia japonica - Japanese Skimmia.....	69.30	
32 93 33 00-0558	EA		3' To 4' Spiraea - Garland Spiraea.....	100.13	
32 93 33 00-0559	EA		4' To 5' Spiraea - Garland Spiraea.....	152.78	
32 93 33 00-0560	EA		5 Gallon Spiraea - Snowmound Spiraea.....	59.85	
32 93 33 00-0561	EA		18" To 24" Spiraea - Snowmound Spiraea.....	49.05	
32 93 33 00-0562	EA		2' To 3' Spiraea - Snowmound Spiraea.....	69.30	
32 93 33 00-0563	EA		3' To 4' Spiraea - Snowmound Spiraea.....	80.33	
32 93 33 00-0564	EA		4' To 5' Spiraea - Snowmound Spiraea.....	138.38	
32 93 33 00-0565	EA		1 Gallon Spiraea japonica & cvs - Japanese Spiraea.....	21.60	
32 93 33 00-0566	EA		2 Gallon Spiraea japonica & cvs - Japanese Spiraea.....	42.53	
32 93 33 00-0567	EA		3 Gallon Spiraea japonica & cvs - Japanese Spiraea.....	49.22	
32 93 33 00-0568	EA		5 Gallon Spiraea japonica & cvs - Japanese Spiraea.....	53.41	
32 93 33 00-0569	EA		18" B&B Spiraea japonica & cvs - Japanese Spiraea.....	54.46	
32 93 33 00-0570	EA		24" B&B Spiraea japonica & cvs - Japanese Spiraea.....	62.83	
32 93 33 00-0571	EA		30" B&B Spiraea japonica & cvs - Japanese Spiraea.....	71.21	
32 93 33 00-0572	EA		36" B&B Spiraea japonica & cvs - Japanese Spiraea.....	82.73	
32 93 33 00-0573	EA		2 Gallon Spiraea nipponica & cvs - Nippon Spiraea.....	33.51	
32 93 33 00-0574	EA		5 Gallon Spiraea nipponica & cvs - Nippon Spiraea.....	50.27	
32 93 33 00-0575	EA		18" B&B Spiraea nipponica & cvs - Nippon Spiraea.....	46.08	
32 93 33 00-0576	EA		24" B&B Spiraea nipponica & cvs - Nippon Spiraea.....	54.46	
32 93 33 00-0577	EA		30" B&B Spiraea nipponica & cvs - Nippon Spiraea.....	62.83	
32 93 33 00-0578	EA		36" B&B Spiraea nipponica & cvs - Nippon Spiraea.....	71.21	
32 93 33 00-0579	EA		48" B&B Spiraea nipponica & cvs - Nippon Spiraea.....	92.16	
32 93 33 00-0580	EA		1 Gallon Spiraea x bumalda & cvs - Bumalda Spiraea.....	21.60	
32 93 33 00-0581	EA		2 Gallon Spiraea x bumalda & cvs - Bumalda Spiraea.....	38.75	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 33 00-0582	EA	4 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	50.27	
32 93 33 00-0583	EA	18" B&B Spiraea x bumalda & cvs - Bumalda Spirea	43.98	
32 93 33 00-0584	EA	24" B&B Spiraea x bumalda & cvs - Bumalda Spirea	53.41	
32 93 33 00-0585	EA	30" B&B Spiraea x bumalda & cvs - Bumalda Spirea	62.83	
32 93 33 00-0586	EA	36" B&B Spiraea x bumalda & cvs - Bumalda Spirea	71.21	
32 93 33 00-0587	EA	5 Gallon Spiraea x vanhouttei & cvs - Vanhoutte Spirea	50.27	
32 93 33 00-0588	EA	18" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	50.27	
32 93 33 00-0589	EA	24" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	58.65	
32 93 33 00-0590	EA	30" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	79.59	
32 93 33 00-0591	EA	36" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	92.16	
32 93 33 00-0592	EA	42" B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	108.91	
32 93 33 00-0593	EA	5 Gallon Staphylea trifolia - Bladdernut	70.71	
32 93 33 00-0594	EA	2 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	50.27	
32 93 33 00-0595	EA	5 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	54.46	
32 93 33 00-0596	EA	24" B&B Stephanandra incisa & cvs - Cutleaf Stephanadra	62.83	
32 93 33 00-0597	EA	30" B&B Stephanandra incisa & cvs - Cutleaf Stephanadra	75.40	
32 93 33 00-0598	EA	2 Gallon Symphoricarpos albus - Common Snowberry	52.36	
32 93 33 00-0599	EA	5 Gallon Symphoricarpos albus - Common Snowberry	55.50	
32 93 33 00-0600	EA	24" B&B Syringa meyeri & cvs - Meyer Lilac	92.16	
32 93 33 00-0601	EA	30" B&B Syringa meyeri & cvs - Meyer Lilac	115.20	
32 93 33 00-0602	EA	36" B&B Syringa meyeri & cvs - Meyer Lilac	134.05	
32 93 33 00-0603	EA	42" B&B Syringa meyeri & cvs - Meyer Lilac	154.99	
32 93 33 00-0604	EA	18" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	92.16	
32 93 33 00-0605	EA	24" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	100.54	
32 93 33 00-0606	EA	30" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	115.20	
32 93 33 00-0607	EA	36" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	134.05	
32 93 33 00-0608	EA	42" B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	154.99	
32 93 33 00-0609	EA	60" B&B Syringa villosa & cvs - Late Lilac	73.31	
32 93 33 00-0610	EA	72" B&B Syringa villosa & cvs - Late Lilac	79.59	
32 93 33 00-0611	EA	36" B&B Syringa vulgaris & cvs - Common Lilac	62.83	
32 93 33 00-0612	EA	42" B&B Syringa vulgaris & cvs - Common Lilac	71.21	
32 93 33 00-0613	EA	48" B&B Syringa vulgaris & cvs - Common Lilac	79.59	
32 93 33 00-0614	EA	60" B&B Syringa vulgaris & cvs - Common Lilac	92.16	
32 93 33 00-0615	EA	72" B&B Syringa vulgaris & cvs - Common Lilac	113.10	
32 93 33 00-0616	EA	5 Gallon Syringa x chinensis & cvs - Chinese Lilac	52.36	
32 93 33 00-0617	EA	36" B&B Syringa x hyacinthiflora & cvs - Hybrid Lilac	60.74	
32 93 33 00-0618	EA	48" B&B Syringa x hyacinthiflora & cvs - Hybrid Lilac	79.59	
32 93 33 00-0619	EA	48" B&B Taxus cuspidata capitata - Capitata Japanese Yew	333.02	
32 93 33 00-0620	EA	54" B&B Taxus cuspidata capitata - Capitata Japanese Yew	372.82	
32 93 33 00-0621	EA	60" B&B Taxus cuspidata capitata - Capitata Japanese Yew	410.52	
32 93 33 00-0622	EA	72" B&B Taxus cuspidata capitata - Capitata Japanese Yew	494.30	
32 93 33 00-0623	EA	18" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	87.97	
32 93 33 00-0624	EA	24" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	115.20	
32 93 33 00-0625	EA	30" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	134.05	
32 93 33 00-0626	EA	36" B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	146.61	
32 93 33 00-0627	EA	15" B&B Taxus x media & cvs - Anglojap Yew	87.97	
32 93 33 00-0628	EA	18" B&B Taxus x media & cvs - Anglojap Yew	115.20	
32 93 33 00-0629	EA	24" B&B Taxus x media & cvs - Anglojap Yew	136.14	
32 93 33 00-0630	EA	30" B&B Taxus x media & cvs - Anglojap Yew	161.28	
32 93 33 00-0631	EA	36" B&B Taxus x media & cvs - Anglojap Yew	242.96	
32 93 33 00-0632	EA	36" B&B Thuja occidentalis & cvs - Upright Arborvitae	134.05	
32 93 33 00-0633	EA	48" B&B Thuja occidentalis & cvs - Upright Arborvitae	180.13	
32 93 33 00-0634	EA	60" B&B Thuja occidentalis & cvs - Upright Arborvitae	272.28	
32 93 33 00-0635	EA	72" B&B Thuja occidentalis & cvs - Upright Arborvitae	397.95	
32 93 33 00-0636	EA	84" B&B Thuja occidentalis & cvs - Upright Arborvitae	456.60	
32 93 33 00-0637	EA	96" B&B Thuja occidentalis & cvs - Upright Arborvitae	529.90	
32 93 33 00-0638	EA	15" B&B Thuja occidentalis cvs - Dwarf Arborvitae	58.65	
32 93 33 00-0639	EA	18" B&B Thuja occidentalis cvs - Dwarf Arborvitae	81.68	
32 93 33 00-0640	EA	24" B&B Thuja occidentalis cvs - Dwarf Arborvitae	115.20	
32 93 33 00-0641	EA	3' To 4' Viburnum dilatatum - Linden Viburnum	100.13	
32 93 33 00-0642	EA	4' To 5' Viburnum dilatatum - Linden Viburnum	152.78	
32 93 33 00-0643	EA	5' To 6' Viburnum dilatatum - Linden Viburnum	200.48	
32 93 33 00-0644	EA	1 Gallon Viburnum japonicum - Japanese Viburnum	12.15	
32 93 33 00-0645	EA	3 Gallon Viburnum japonicum - Japanese Viburnum	33.30	
32 93 33 00-0646	EA	5 Gallon Viburnum plicatum - Japanese Snowball	59.85	
32 93 33 00-0647	EA	5' To 6' Viburnum plicatum - Japanese Snowball	224.33	
32 93 33 00-0648	EA	2' To 3' Viburnum rhytidophyllum - Leatherleaf Viburnum	105.08	
32 93 33 00-0649	EA	3' To 4' Viburnum rhytidophyllum - Leatherleaf Viburnum	123.98	
32 93 33 00-0650	EA	4' To 5' Viburnum rhytidophyllum - Leatherleaf Viburnum	174.38	
32 93 33 00-0651	EA	30" B&B Viburnum burkwoodii & cvs - Burkwood Viburnum	115.20	
32 93 33 00-0652	EA	36" B&B Viburnum burkwoodii & cvs - Burkwood Viburnum	138.24	
32 93 33 00-0653	EA	24" B&B Viburnum carlesii & cvs - Korean Spice Viburnum	104.72	
32 93 33 00-0654	EA	30" B&B Viburnum carlesii & cvs - Korean Spice Viburnum	125.67	
32 93 33 00-0655	EA	36" B&B Viburnum carlesii & cvs - Korean Spice Viburnum	146.61	
32 93 33 00-0656	EA	42" B&B Viburnum carlesii & cvs - Korean Spice Viburnum	167.56	
32 93 33 00-0657	EA	36" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	58.65	
32 93 33 00-0658	EA	42" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	62.83	
32 93 33 00-0659	EA	48" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	73.31	
32 93 33 00-0660	EA	60" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	83.78	
32 93 33 00-0661	EA	72" B&B Viburnum dentatum & cvs - Arrowwood Viburnum	92.16	
32 93 33 00-0662	EA	30" B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	56.55	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0663	EA	36"	B&B Viburnum lantana & cvs - Wayfaringtree Viburnum.....	62.83	
32 93 33 00-0664	EA	42"	B&B Viburnum lantana & cvs - Wayfaringtree Viburnum.....	79.59	
32 93 33 00-0665	EA	48"	B&B Viburnum lantana & cvs - Wayfaringtree Viburnum.....	92.16	
32 93 33 00-0666	EA	60"	B&B Viburnum lantana & cvs - Wayfaringtree Viburnum.....	125.67	
32 93 33 00-0667	EA	72"	B&B Viburnum lantana & cvs - Wayfaringtree Viburnum.....	150.80	
32 93 33 00-0668	EA	36"	B&B Viburnum lentago & cvs - Nannyberry Viburnum.....	62.83	
32 93 33 00-0669	EA	48"	B&B Viburnum lentago & cvs - Nannyberry Viburnum.....	83.78	
32 93 33 00-0670	EA	5'	B&B Viburnum lentago & cvs - Nannyberry Viburnum.....	104.72	
32 93 33 00-0671	EA	6'	B&B Viburnum lentago & cvs - Nannyberry Viburnum.....	146.61	
32 93 33 00-0672	EA	7'	B&B Viburnum lentago & cvs - Nannyberry Viburnum.....	209.45	
32 93 33 00-0673	EA	8'	B&B Viburnum lentago & cvs - Nannyberry Viburnum.....	293.23	
32 93 33 00-0674	EA	9'	B&B Viburnum lentago & cvs - Nannyberry Viburnum.....	377.01	
32 93 33 00-0675	EA	30"	B&B Viburnum plicatum tomentosum & cvs - Doublefile Viburnum.....	75.40	
32 93 33 00-0676	EA	36"	B&B Viburnum plicatum tomentosum & cvs - Doublefile Viburnum.....	83.78	
32 93 33 00-0677	EA	36"	B&B Viburnum prunifolium & cvs - Blackhaw Viburnum.....	150.80	
32 93 33 00-0678	EA	48"	B&B Viburnum prunifolium & cvs - Blackhaw Viburnum.....	230.39	
32 93 33 00-0679	EA	60"	B&B Viburnum prunifolium & cvs - Blackhaw Viburnum.....	293.23	
32 93 33 00-0680	EA	72"	B&B Viburnum prunifolium & cvs - Blackhaw Viburnum.....	356.06	
32 93 33 00-0681	EA	84"	B&B Viburnum prunifolium & cvs - Blackhaw Viburnum.....	439.84	
32 93 33 00-0682	EA	96"	B&B Viburnum prunifolium & cvs - Blackhaw Viburnum.....	523.62	
32 93 33 00-0683	EA	108"	B&B Viburnum prunifolium & cvs - Blackhaw Viburnum.....	628.34	
32 93 33 00-0684	EA	120"	B&B Viburnum prunifolium & cvs - Blackhaw Viburnum.....	733.07	
32 93 33 00-0685	EA	30"	B&B Viburnum sargentii & cvs - Sargent Viburnum.....	63.88	
32 93 33 00-0686	EA	36"	B&B Viburnum sargentii & cvs - Sargent Viburnum.....	70.16	
32 93 33 00-0687	EA	48"	B&B Viburnum sargentii & cvs - Sargent Viburnum.....	79.59	
32 93 33 00-0688	EA	60"	B&B Viburnum sargentii & cvs - Sargent Viburnum.....	92.16	
32 93 33 00-0689	EA	72"	B&B Viburnum sargentii & cvs - Sargent Viburnum.....	105.77	
32 93 33 00-0690	EA	18"	B&B Viburnum trilobum & cvs - American Cranberry Viburnum.....	60.74	
32 93 33 00-0691	EA	24"	B&B Viburnum trilobum & cvs - American Cranberry Viburnum.....	73.31	
32 93 33 00-0692	EA	30"	B&B Viburnum trilobum & cvs - American Cranberry Viburnum.....	87.97	
32 93 33 00-0693	EA	36"	B&B Viburnum trilobum & cvs - American Cranberry Viburnum.....	100.54	
32 93 33 00-0694	EA	42"	B&B Viburnum trilobum & cvs - American Cranberry Viburnum.....	121.48	
32 93 33 00-0695	EA	48"	B&B Viburnum trilobum & cvs - American Cranberry Viburnum.....	134.05	
32 93 33 00-0696	EA	30"	B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum.....	104.72	
32 93 33 00-0697	EA	36"	B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum.....	125.67	
32 93 33 00-0698	EA	42"	B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum.....	146.61	
32 93 33 00-0699	EA	48"	B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum.....	167.56	
32 93 33 00-0700	EA	60"	B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum.....	188.50	
32 93 33 00-0701	EA	30"	B&B Viburnum x juddii & cvs - Judd Viburnum.....	134.05	
32 93 33 00-0702	EA	36"	B&B Viburnum x juddii & cvs - Judd Viburnum.....	150.80	
32 93 33 00-0703	EA	42"	B&B Viburnum x juddii & cvs - Judd Viburnum.....	171.75	
32 93 33 00-0704	EA	48"	B&B Viburnum x juddii & cvs - Judd Viburnum.....	196.88	
32 93 33 00-0705	EA	2' To 3'	Viburnum opulus "Roseum" - Fragrant Snowball.....	123.98	
32 93 33 00-0706	EA	3' To 4'	Viburnum opulus "Roseum" - Fragrant Snowball.....	152.78	
32 93 33 00-0707	EA	4' To 5'	Viburnum opulus "Roseum" - Fragrant Snowball.....	224.33	
32 93 33 00-0708	EA	5 Gallon	Weigela florida & cvs - Old Fashioned Weigela.....	69.12	
32 93 33 00-0709	EA	24"	B&B Weigela florida & cvs - Old Fashioned Weigela.....	62.83	
32 93 33 00-0710	EA	30"	B&B Weigela florida & cvs - Old Fashioned Weigela.....	71.21	
32 93 33 00-0711	EA	36"	B&B Weigela florida & cvs - Old Fashioned Weigela.....	79.59	
32 93 33 00-0712	EA	42"	B&B Weigela florida & cvs - Old Fashioned Weigela.....	92.16	
32 93 33 00-0713	EA	48"	B&B Weigela florida & cvs - Old Fashioned Weigela.....	104.72	
32 93 33 00-0714	EA	1 Gallon	Xylosma congestum - Shiny Xylosma.....	14.40	
32 93 33 00-0715	EA	5 Gallon	Xylosma congestum - Shiny Xylosma.....	40.73	
32 93 33 00-0716	EA	15 Gallon	Xylosma congestum - Shiny Xylosma.....	179.10	
32 93 33 00-0717	EA	1 Gallon	Yucca aloifolia - Spanish Bayonet.....	12.15	
32 93 33 00-0718	EA	3 Gallon	Yucca aloifolia - Spanish Bayonet.....	32.17	
32 93 33 00-0719	EA	1 Gallon	Yucca filamentosa - Adams Needle.....	16.88	
32 93 33 00-0720	EA	3 Gallon	Yucca filamentosa - Adams Needle.....	32.85	
32 93 33 00-0721	EA	5 Gallon	Yucca filamentosa - Adams Needle.....	51.98	
32 93 33 00-0722	EA	5 Gallon	Border Forsythia - Goldenbells.....	57.83	
32 93 33 00-0723	EA	2' To 3'	Border Forsythia - Goldenbells.....	47.70	
32 93 33 00-0724	EA	3' To 4'	Border Forsythia - Goldenbells.....	60.30	
32 93 33 00-0725	EA	4' To 5'	Border Forsythia - Goldenbells.....	75.15	
32 93 33 00-0726	EA	5' To 6'	Border Forsythia - Goldenbells.....	90.23	
32 93 33 00-0727	EA	6' To 8'	Border Forsythia - Goldenbells.....	123.98	
32 93 33 00-0728	EA	3'	Juniperus chinensis - Columnar Chinese Juniper.....	122.84	
32 93 33 00-0729	EA	4'	Juniperus chinensis - Columnar Chinese Juniper.....	168.61	
32 93 33 00-0730	EA	5'	Juniperus chinensis - Columnar Chinese Juniper.....	264.95	
32 93 33 00-0731	EA	6'	Juniperus chinensis - Columnar Chinese Juniper.....	308.31	
32 93 33 00-0732	EA	7'	Juniperus chinensis - Columnar Chinese Juniper.....	404.65	
32 93 33 00-0733	EA	2 Gallon	Chrysobalanus icaco - Cocoplum Red Tip.....	24.09	
32 93 33 00-0734	EA	3 Gallon	Chrysobalanus icaco - Cocoplum Red Tip.....	33.72	
32 93 33 00-0735	EA	5 Gallon	Chrysobalanus icaco - Cocoplum Red Tip.....	81.65	
32 93 33 00-0736	EA	2 Gallon	Chrysobalanus icaco - Cocoplum Green Tip.....	24.09	
32 93 33 00-0737	EA	3 Gallon	Chrysobalanus icaco - Cocoplum Green Tip.....	33.72	
32 93 33 00-0738	EA		Beile Poitvine Roses.....	96.35	
32 93 33 00-0739	EA	3 Gallon	Bird Of Paradise.....	43.36	
32 93 33 00-0740	EA	5 Gallon	Bird Of Paradise.....	67.44	
32 93 33 00-0741	EA	7 Gallon	Bird Of Paradise.....	91.53	
32 93 33 00-0742	EA	10 Gallon	Bird Of Paradise.....	183.06	
32 93 33 00-0743	EA	18"	Bonica Roses.....	110.80	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 33 00-0744	EA	1 Gallon Burmese Grape .....	19.27	
32 93 33 00-0745	EA	5 Gallon Burmese Grape .....	52.99	
32 93 33 00-0746	EA	15 Gallon Burmese Grape .....	197.51	
32 93 33 00-0747	EA	6" To 9" Canby Paxistima .....	38.54	
32 93 33 00-0748	EA	9" To 12" Canby Paxistima .....	48.17	
32 93 33 00-0749	EA	12" To 15" Canby Paxistima .....	62.62	
32 93 33 00-0750	EA	5 Gallon Chastetree .....	67.44	
32 93 33 00-0751	EA	3' Chinese Lilac .....	96.35	
32 93 33 00-0752	EA	4' Chinese Lilac .....	120.43	
32 93 33 00-0753	EA	5' Chinese Lilac .....	163.79	
32 93 33 00-0754	EA	1 Gallon Christmas Berry .....	24.09	
32 93 33 00-0755	EA	2 Gallon Christmas Berry .....	52.99	
32 93 33 00-0756	EA	5 Gallon Christmas Berry .....	77.08	
32 93 33 00-0757	EA	15 Gallon Christmas Berry .....	356.48	
32 93 33 00-0758	EA	1 Gallon Concha Wild Lilac .....	19.27	
32 93 33 00-0759	EA	5 Gallon Concha Wild Lilac .....	48.17	
32 93 33 00-0760	EA	1 Gallon Flower Carpet Roses .....	48.17	
32 93 33 00-0761	EA	3 Gallon Flower Carpet Roses .....	91.53	
32 93 33 00-0762	EA	Goldfinger Potentillas .....	77.08	
32 93 33 00-0763	EA	Green Mound Alpine Currents .....	96.35	
32 93 33 00-0764	EA	24" Gro-Low Sumacs .....	96.35	
32 93 33 00-0765	EA	3 Gallon Heliconia .....	43.36	
32 93 33 00-0766	EA	1' Ibolium Private .....	4.82	
32 93 33 00-0767	EA	2' Ibolium Private .....	19.27	
32 93 33 00-0768	EA	3' Ibolium Private .....	33.72	
32 93 33 00-0769	EA	5 Gallon Japanese Privit .....	52.99	
32 93 33 00-0770	EA	24" Spirea - Little Princess .....	101.16	
32 93 33 00-0771	EA	2' Longstalk Holly .....	96.35	
32 93 33 00-0772	EA	2-1/2' Longstalk Holly .....	130.07	
32 93 33 00-0773	EA	3' Longstalk Holly .....	163.79	
32 93 33 00-0774	EA	3-1/2' Longstalk Holly .....	183.06	
32 93 33 00-0775	EA	3 Gallon Low Dense Pyracantha .....	48.17	
32 93 33 00-0776	EA	1 Gallon Pacific Wax Myrtle .....	14.45	
32 93 33 00-0777	EA	5 Gallon Pacific Wax Myrtle .....	48.17	
32 93 33 00-0778	EA	1 Gallon Red Escallonia .....	14.45	
32 93 33 00-0779	EA	5 Gallon Red Escallonia .....	48.17	
32 93 33 00-0780	EA	15 Gallon Red Escallonia .....	197.51	
32 93 33 00-0781	EA	24" Smooth Hydrangeas .....	115.62	
32 93 33 00-0782	EA	15" To 18" Somerset Burkwood Daphne .....	77.08	
32 93 33 00-0783	EA	18" To 24" Somerset Burkwood Daphne .....	101.16	
32 93 33 00-0784	EA	1 Gallon Spring Bouquet Laurustinis .....	14.45	
32 93 33 00-0785	EA	5 Gallon Spring Bouquet Laurustinis .....	52.99	
32 93 33 00-0786	EA	15" To 18" Summersweet .....	57.81	
32 93 33 00-0787	EA	18" To 24" Summersweet .....	67.44	
32 93 33 00-0788	EA	2' Sweet Shrubs .....	77.08	
32 93 33 00-0789	EA	3' Sweet Shrubs .....	101.16	
32 93 33 00-0790	EA	1 Gallon Variegated Silverberry .....	14.45	
32 93 33 00-0791	EA	3 Gallon Variegated Silverberry .....	33.72	
32 93 33 00-0792	EA	15 Gallon Variegated Silverberry .....	197.51	
32 93 33 00-0793	EA	1 Gallon Variegated Winter Daphne .....	24.09	
32 93 33 00-0794	EA	5 Gallon Variegated Winter Daphne .....	77.08	
32 93 33 00-0795	EA	15 Gallon Variegated Winter Daphne .....	356.48	
32 93 33 00-0796	EA	2' To 3' Virginia Sweetspire .....	168.61	
32 93 33 00-0797	EA	1 Gallon Warminster Broom .....	24.09	
32 93 33 00-0798	EA	2 Gallon Warminster Broom .....	48.17	
32 93 33 00-0799	EA	5 Gallon Warminster Broom .....	67.44	

**32 93 43 Trees (32 93)**

Note: (cvs = cultivar) materials only. See CSI section 32 93 83 00-0001 for installation and planting of trees.

**32 93 43 00-0001 Deciduous Ornamental Trees (32 93 43)**

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0002	EA	6' Clump Form Acer ginnala & cvs - Amur Maple .....	253.39	
32 93 43 00-0003	EA	7' Clump Form Acer ginnala & cvs - Amur Maple .....	309.69	
32 93 43 00-0004	EA	8' Clump Form Acer ginnala & cvs - Amur Maple .....	351.92	
32 93 43 00-0005	EA	10' Clump Form Acer ginnala & cvs - Amur Maple .....	408.23	
32 93 43 00-0006	EA	12' Clump Form Acer ginnala & cvs - Amur Maple .....	464.54	
32 93 43 00-0007	EA	14' Clump Form Acer ginnala & cvs - Amur Maple .....	549.00	
32 93 43 00-0008	EA	1-1/2" To 2" Caliper Acer griseum - Paperbark Maple .....	238.78	
32 93 43 00-0009	EA	2" To 2-1/2" Caliper Acer griseum - Paperbark Maple .....	900.93	
32 93 43 00-0010	EA	2-1/2" To 3" Caliper Acer griseum - Paperbark Maple .....	1,126.16	
32 93 43 00-0011	EA	5' Clump Form Acer griseum - Paperbark Maple .....	225.23	
32 93 43 00-0012	EA	1-1/2" Caliper Aesculus glabra - Ohio Buckeye .....	563.08	
32 93 43 00-0013	EA	2" Caliper Aesculus glabra - Ohio Buckeye .....	732.00	
32 93 43 00-0014	EA	2-1/2" Caliper Aesculus glabra - Ohio Buckeye .....	844.62	
32 93 43 00-0015	EA	3" Caliper Aesculus glabra - Ohio Buckeye .....	957.23	
32 93 43 00-0016	EA	3-1/2" Caliper Aesculus glabra - Ohio Buckeye .....	1,126.16	
32 93 43 00-0017	EA	36" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry .....	167.56	
32 93 43 00-0018	EA	48" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry .....	209.45	
32 93 43 00-0019	EA	60" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry .....	259.72	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0020	EA		60" B&B Amelanchier arborea & cvs - Downy Serviceberry .....	209.45	
32 93 43 00-0021	EA		72" B&B Amelanchier arborea & cvs - Downy Serviceberry .....	251.34	
32 93 43 00-0022	EA		7" B&B Amelanchier arborea & cvs - Downy Serviceberry .....	293.23	
32 93 43 00-0023	EA		8" B&B Amelanchier arborea & cvs - Downy Serviceberry .....	335.12	
32 93 43 00-0024	EA		5" B&B Amelanchier canadensis & cvs - Shadblow Serviceberry .....	377.01	
32 93 43 00-0025	EA		6" B&B Amelanchier canadensis & cvs - Shadblow Serviceberry .....	418.90	
32 93 43 00-0026	EA		7" B&B Amelanchier canadensis & cvs - Shadblow Serviceberry .....	481.73	
32 93 43 00-0027	EA		8" B&B Amelanchier canadensis & cvs - Shadblow Serviceberry .....	544.56	
32 93 43 00-0028	EA		9" B&B Amelanchier canadensis & cvs - Shadblow Serviceberry .....	628.34	
32 93 43 00-0029	EA		1-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry .....	281.54	
32 93 43 00-0030	EA		2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry .....	394.15	
32 93 43 00-0031	EA		2-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry .....	422.31	
32 93 43 00-0032	EA		3" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry .....	492.69	
32 93 43 00-0033	EA		6" Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry .....	351.92	
32 93 43 00-0034	EA		7" Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry .....	422.31	
32 93 43 00-0035	EA		8" Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry .....	492.69	
32 93 43 00-0036	EA		10' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry .....	563.08	
32 93 43 00-0037	EA		12' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry .....	633.46	
32 93 43 00-0038	EA		14' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry .....	703.85	
32 93 43 00-0039	EA		7" B&B Amelanchier laevis & cvs - Allegheny Serviceberry .....	481.73	
32 93 43 00-0040	EA		8" B&B Amelanchier laevis & cvs - Allegheny Serviceberry .....	565.51	
32 93 43 00-0041	EA		9" B&B Amelanchier laevis & cvs - Allegheny Serviceberry .....	649.29	
32 93 43 00-0042	EA		10" B&B Amelanchier laevis & cvs - Allegheny Serviceberry .....	712.12	
32 93 43 00-0043	EA		30" B&B Amelanchier stolonifera & cvs - Running Serviceberry .....	167.56	
32 93 43 00-0044	EA		48" B&B Amelanchier stolonifera & cvs - Running Serviceberry .....	356.06	
32 93 43 00-0045	EA		60" B&B Amelanchier stolonifera & cvs - Running Serviceberry .....	460.79	
32 93 43 00-0046	EA		2' To 4' Amelemchier - Juneberry .....	51.00	
32 93 43 00-0047	EA		4' To 5' Amelemchier - Juneberry .....	53.50	
32 93 43 00-0048	EA		5' To 6' Amelemchier - Juneberry .....	63.70	
32 93 43 00-0049	EA		6' To 8' Amelemchier - Juneberry .....	76.01	
32 93 43 00-0050	EA		3' Clump Form Asimina triloba - Paw-Paw .....	197.08	
32 93 43 00-0051	EA		4' Clump Form Asimina triloba - Paw-Paw .....	225.23	
32 93 43 00-0052	EA		5' Clump Form Asimina triloba - Paw-Paw .....	309.69	
32 93 43 00-0053	EA		1-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood .....	422.31	
32 93 43 00-0054	EA		2" Caliper Carpinus caroliniana - American Hornbeam Ironwood .....	492.69	
32 93 43 00-0055	EA		2-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood .....	633.46	
32 93 43 00-0056	EA		5' Clump Form Carpinus caroliniana - American Hornbeam Ironwood .....	253.39	
32 93 43 00-0057	EA		6' Clump Form Carpinus caroliniana - American Hornbeam Ironwood .....	309.69	
32 93 43 00-0058	EA		7' Clump Form Carpinus caroliniana - American Hornbeam Ironwood .....	422.31	
32 93 43 00-0059	EA		8' Clump Form Carpinus caroliniana - American Hornbeam Ironwood .....	492.69	
32 93 43 00-0060	EA		10' Clump Form Carpinus caroliniana - American Hornbeam Ironwood .....	591.23	
32 93 43 00-0061	EA		12' Clump Form Carpinus caroliniana - American Hornbeam Ironwood .....	717.92	
32 93 43 00-0062	EA		14' Clump Form Carpinus caroliniana - American Hornbeam Ironwood .....	816.46	
32 93 43 00-0063	EA		6' Cercis - American Redbud .....	157.68	
32 93 43 00-0064	EA		8' Cercis - American Redbud .....	216.93	
32 93 43 00-0065	EA		2-1/2" Caliper Cercis - American Redbud .....	446.80	
32 93 43 00-0066	EA		3" Caliper Cercis - American Redbud .....	543.93	
32 93 43 00-0067	EA		15 Gallon Cercis canadensis & cvs - Eastern Redbud .....	137.62	
32 93 43 00-0068	EA		20 Gallon Cercis canadensis & cvs - Eastern Redbud .....	172.03	
32 93 43 00-0069	EA		6' Clump Form Cercis canadensis & cvs - Eastern Redbud .....	337.85	
32 93 43 00-0070	EA		7' Clump Form Cercis canadensis & cvs - Eastern Redbud .....	464.54	
32 93 43 00-0071	EA		8' Clump Form Cercis canadensis & cvs - Eastern Redbud .....	591.23	
32 93 43 00-0072	EA		1-1/2" Caliper Cercis canadensis & cvs - Eastern Redbud .....	323.77	
32 93 43 00-0073	EA		2" Caliper Cercis canadensis & cvs - Eastern Redbud .....	380.08	
32 93 43 00-0074	EA		5' To 6' Chaenomeles - Orange Quince .....	88.93	
32 93 43 00-0075	EA		6' To 8' Chaenomeles - Orange Quince .....	111.16	
32 93 43 00-0076	EA		5' Clump Form Chionanthus virginicus - White Fringetree .....	281.54	
32 93 43 00-0077	EA		6' Clump Form Chionanthus virginicus - White Fringetree .....	351.92	
32 93 43 00-0078	EA		7' Clump Form Chionanthus virginicus - White Fringetree .....	450.46	
32 93 43 00-0079	EA		4' To 5' Cornus - Pink Or Red Flowering Dogwood .....	101.63	
32 93 43 00-0080	EA		5' To 6' Cornus - Pink Or Red Flowering Dogwood .....	127.04	
32 93 43 00-0081	EA		6' To 7' Cornus - Pink Or Red Flowering Dogwood .....	177.85	
32 93 43 00-0082	EA		7' To 8' Cornus - Pink Or Red Flowering Dogwood .....	228.66	
32 93 43 00-0083	EA		4' To 5' Cornus - White Flowering Dogwood .....	67.75	
32 93 43 00-0084	EA		5' To 6' Cornus - White Flowering Dogwood .....	101.63	
32 93 43 00-0085	EA		6' To 7' Cornus - White Flowering Dogwood .....	142.28	
32 93 43 00-0086	EA		3' To 4' Cornus kousa - Japanese Dogwood .....	67.75	
32 93 43 00-0087	EA		4' To 5' Cornus kousa - Japanese Dogwood .....	77.92	
32 93 43 00-0088	EA		5' To 6' Cornus kousa - Japanese Dogwood .....	101.63	
32 93 43 00-0089	EA		6' To 8' Cornus kousa - Japanese Dogwood .....	149.06	
32 93 43 00-0090	EA		8' To 10' Cornus kousa - Japanese Dogwood .....	203.26	
32 93 43 00-0091	EA		1-1/2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood .....	323.77	
32 93 43 00-0092	EA		2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood .....	394.15	
32 93 43 00-0093	EA		4' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood .....	154.85	
32 93 43 00-0094	EA		5' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood .....	197.08	
32 93 43 00-0095	EA		6' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood .....	225.23	
32 93 43 00-0096	EA		7' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood .....	253.39	
32 93 43 00-0097	EA		8' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood .....	309.69	
32 93 43 00-0098	EA		4' Clump Form Cornus mas & cvs - Corneliancherry Dogwood .....	154.85	
32 93 43 00-0099	EA		5' Clump Form Cornus mas & cvs - Corneliancherry Dogwood .....	197.08	
32 93 43 00-0100	EA		6' Clump Form Cornus mas & cvs - Corneliancherry Dogwood .....	239.31	



**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 43 00-0101	EA	7' Clump Form Cornus mas & cvs - Corneliancherry Dogwood.....	281.54	
32 93 43 00-0102	EA	8' Clump Form Cornus mas & cvs - Corneliancherry Dogwood.....	394.15	
32 93 43 00-0103	EA	1-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood.....	351.92	
32 93 43 00-0104	EA	2" Caliper Cornus mas & cvs - Corneliancherry Dogwood.....	422.31	
32 93 43 00-0105	EA	2-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood.....	492.69	
32 93 43 00-0106	EA	1-1/2" Caliper Crataegus crugalli inermis & cvs - Thornless Cockspur Hawthorn.....	281.54	
32 93 43 00-0107	EA	2" Caliper Crataegus crugalli inermis & cvs - Thornless Cockspur Hawthorn.....	351.92	
32 93 43 00-0108	EA	2-1/2" Caliper Crataegus crugalli inermis & cvs - Thornless Cockspur Hawthorn.....	436.39	
32 93 43 00-0109	EA	3" Caliper Crataegus crugalli inermis & cvs - Thornless Cockspur Hawthorn.....	492.69	
32 93 43 00-0110	EA	3-1/2" Caliper Crataegus crugalli inermis & cvs - Thornless Cockspur Hawthorn.....	563.08	
32 93 43 00-0111	EA	4" Caliper Crataegus crugalli inermis & cvs - Thornless Cockspur Hawthorn.....	633.46	
32 93 43 00-0112	EA	6" Clump Form Crataegus crugalli inermis & cvs - Thornless Cockspur Hawthorn.....	281.54	
32 93 43 00-0113	EA	7' Clump Form Crataegus crugalli inermis & cvs - Thornless Cockspur Hawthorn.....	337.85	
32 93 43 00-0114	EA	8' Clump Form Crataegus crugalli inermis & cvs - Thornless Cockspur Hawthorn.....	394.15	
32 93 43 00-0115	EA	10' Clump Form Crataegus crugalli inermis & cvs - Thornless Cockspur Hawthorn.....	492.69	
32 93 43 00-0116	EA	12' Clump Form Crataegus crugalli inermis & cvs - Thornless Cockspur Hawthorn.....	633.46	
32 93 43 00-0117	EA	1-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn.....	225.23	
32 93 43 00-0118	EA	2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn.....	253.39	
32 93 43 00-0119	EA	2-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn.....	281.54	
32 93 43 00-0120	EA	3" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn.....	323.77	
32 93 43 00-0121	EA	3-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn.....	422.31	
32 93 43 00-0122	EA	4" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn.....	478.62	
32 93 43 00-0123	EA	6" Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn.....	197.08	
32 93 43 00-0124	EA	7' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn.....	239.31	
32 93 43 00-0125	EA	8' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn.....	281.54	
32 93 43 00-0126	EA	10' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn.....	351.92	
32 93 43 00-0127	EA	12' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn.....	436.39	
32 93 43 00-0128	EA	14' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn.....	520.85	
32 93 43 00-0129	EA	16' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn.....	605.31	
32 93 43 00-0130	EA	1-1/2" Caliper Crataegus viridis - Winter King Hawthorn.....	225.23	
32 93 43 00-0131	EA	2" Caliper Crataegus viridis - Winter King Hawthorn.....	253.39	
32 93 43 00-0132	EA	2-1/2" Caliper Crataegus viridis - Winter King Hawthorn.....	351.92	
32 93 43 00-0133	EA	3" Caliper Crataegus viridis - Winter King Hawthorn.....	464.54	
32 93 43 00-0134	EA	6" Clump Form Crataegus viridis - Winter King Hawthorn.....	211.15	
32 93 43 00-0135	EA	7' Clump Form Crataegus viridis - Winter King Hawthorn.....	281.54	
32 93 43 00-0136	EA	8' Clump Form Crataegus viridis - Winter King Hawthorn.....	351.92	
32 93 43 00-0137	EA	10' Clump Form Crataegus viridis - Winter King Hawthorn.....	422.31	
32 93 43 00-0138	EA	4' Clump Form Hamamelis virginiana - Common Witchhazel.....	140.77	
32 93 43 00-0139	EA	5' Clump Form Hamamelis virginiana - Common Witchhazel.....	183.00	
32 93 43 00-0140	EA	6' Clump Form Hamamelis virginiana - Common Witchhazel.....	225.23	
32 93 43 00-0141	EA	7' Clump Form Hamamelis virginiana - Common Witchhazel.....	309.69	
32 93 43 00-0142	EA	8' Clump Form Hamamelis virginiana - Common Witchhazel.....	422.31	
32 93 43 00-0143	EA	1 Gallon Ilex Cassine - Casine Holly (Dahoon).....	8.09	
32 93 43 00-0144	EA	5 Gallon Ilex Cassine - Casine Holly (Dahoon).....	25.90	
32 93 43 00-0145	EA	4' To 5' Ilex Cassine - Casine Holly (Dahoon).....	44.52	
32 93 43 00-0146	EA	6' To 7' Ilex Cassine - Casine Holly (Dahoon).....	84.99	
32 93 43 00-0147	EA	8' To 9' Ilex Cassine - Casine Holly (Dahoon).....	113.32	
32 93 43 00-0148	EA	10' To 12' Ilex Cassine - Casine Holly (Dahoon).....	145.70	
32 93 43 00-0149	EA	2' To 3' Magnolia Virginiana - Sweetbay Magnolia.....	53.36	
32 93 43 00-0150	EA	3' To 4' Magnolia Virginiana - Sweetbay Magnolia.....	80.03	
32 93 43 00-0151	EA	4' To 5' Magnolia Virginiana - Sweetbay Magnolia.....	100.04	
32 93 43 00-0152	EA	5' To 6' Magnolia Virginiana - Sweetbay Magnolia.....	124.60	
32 93 43 00-0153	EA	4' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia.....	211.15	
32 93 43 00-0154	EA	5' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia.....	281.54	
32 93 43 00-0155	EA	6' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia.....	366.00	
32 93 43 00-0156	EA	7' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia.....	408.23	
32 93 43 00-0157	EA	9' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia.....	549.00	
32 93 43 00-0158	EA	8' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia.....	492.69	
32 93 43 00-0159	EA	4' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia.....	211.15	
32 93 43 00-0160	EA	5' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia.....	281.54	
32 93 43 00-0161	EA	6' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia.....	366.00	
32 93 43 00-0162	EA	7' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia.....	408.23	
32 93 43 00-0163	EA	8' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia.....	492.69	
32 93 43 00-0164	EA	9' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia.....	549.00	
32 93 43 00-0165	EA	4' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia.....	211.15	
32 93 43 00-0166	EA	5' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia.....	281.54	
32 93 43 00-0167	EA	6' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia.....	366.00	
32 93 43 00-0168	EA	7' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia.....	408.23	
32 93 43 00-0169	EA	8' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia.....	492.69	
32 93 43 00-0170	EA	9' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia.....	549.00	
32 93 43 00-0171	EA	4' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia.....	211.15	
32 93 43 00-0172	EA	5' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia.....	281.54	
32 93 43 00-0173	EA	6' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia.....	366.00	
32 93 43 00-0174	EA	7' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia.....	408.23	
32 93 43 00-0175	EA	8' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia.....	492.69	
32 93 43 00-0176	EA	9' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia.....	549.00	
32 93 43 00-0177	EA	4' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia.....	211.15	
32 93 43 00-0178	EA	5' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia.....	281.54	
32 93 43 00-0179	EA	6' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia.....	366.00	
32 93 43 00-0180	EA	7' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia.....	408.23	
32 93 43 00-0181	EA	8' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia.....	492.69	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0182	EA	9'	Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	549.00	
32 93 43 00-0183	EA	5'	Gallon Malus - Crabapple	57.17	
32 93 43 00-0184	EA	15'	Gallon Malus - Crabapple	145.78	
32 93 43 00-0185	EA	20'	Gallon Malus - Crabapple	171.50	
32 93 43 00-0186	EA	1-1/2"	Caliper Malus cvs - Crabapple Varieties	168.92	
32 93 43 00-0187	EA	2"	Caliper Malus cvs - Crabapple Varieties	225.23	
32 93 43 00-0188	EA	2-1/2"	Caliper Malus cvs - Crabapple Varieties	281.54	
32 93 43 00-0189	EA	3"	Caliper Malus cvs - Crabapple Varieties	337.85	
32 93 43 00-0190	EA	3-1/2"	Caliper Malus cvs - Crabapple Varieties	394.15	
32 93 43 00-0191	EA	4"	Caliper Malus cvs - Crabapple Varieties	450.46	
32 93 43 00-0192	EA	6'	Clump Form Malus cvs - Crabapple Varieties	253.39	
32 93 43 00-0193	EA	7'	Clump Form Malus cvs - Crabapple Varieties	281.54	
32 93 43 00-0194	EA	8'	Clump Form Malus cvs - Crabapple Varieties	351.92	
32 93 43 00-0195	EA	10'	Clump Form Malus cvs - Crabapple Varieties	394.15	
32 93 43 00-0196	EA	12'	Clump Form Malus cvs - Crabapple Varieties	506.77	
32 93 43 00-0197	EA	1-1/2"	Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	281.54	
32 93 43 00-0198	EA	2"	Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	351.92	
32 93 43 00-0199	EA	4'	Clump Form Malus dwarf cvs - Dwarf Crabapple	211.15	
32 93 43 00-0200	EA	5'	Clump Form Malus dwarf cvs - Dwarf Crabapple	267.46	
32 93 43 00-0201	EA	6'	Clump Form Malus dwarf cvs - Dwarf Crabapple	323.77	
32 93 43 00-0202	EA	7'	Clump Form Malus dwarf cvs - Dwarf Crabapple	366.00	
32 93 43 00-0203	EA	8'	Clump Form Malus dwarf cvs - Dwarf Crabapple	408.23	
32 93 43 00-0204	EA	9'	Clump Form Malus dwarf cvs - Dwarf Crabapple	450.46	
32 93 43 00-0205	EA	4'	To 5' Oxydendrum arboreum - Sourwood	129.15	
32 93 43 00-0206	EA	5'	To 6' Oxydendrum arboreum - Sourwood	161.44	
32 93 43 00-0207	EA	6'	To 7' Oxydendrum arboreum - Sourwood	193.73	
32 93 43 00-0208	EA	7'	To 8' Oxydendrum arboreum - Sourwood	226.02	
32 93 43 00-0209	EA	20'	Gallon Prunus subhirtella - Flowering Cherry	197.96	
32 93 43 00-0210	EA	1-1/2"	To 2" Caliper Prunus subhirtella - Flowering Cherry	204.63	
32 93 43 00-0211	EA	2"	To 2-1/2" Caliper Prunus subhirtella - Flowering Cherry	255.77	
32 93 43 00-0212	EA	3-1/2"	To 4" Caliper Prunus subhirtella - Flowering Cherry	353.76	
32 93 43 00-0213	EA	3"	To 3-1/2" Caliper Prunus subhirtella - Flowering Cherry	411.38	
32 93 43 00-0214	EA	4"	To 5" Caliper Prunus subhirtella - Flowering Cherry	800.64	
32 93 43 00-0215	EA	4'	To 6' Prunus - Pigeon Plum	80.94	
32 93 43 00-0216	EA	8'	To 10' Prunus - Pigeon Plum	275.20	
32 93 43 00-0217	EA	10'	To 12' Prunus - Pigeon Plum	349.67	
32 93 43 00-0218	EA	14'	To 16' Prunus - Pigeon Plum	550.41	
32 93 43 00-0219	EA	5'	Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	51.13	
32 93 43 00-0220	EA	15'	Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	140.06	
32 93 43 00-0221	EA	20'	Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	182.40	
32 93 43 00-0222	EA	5'	To 6' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	57.80	
32 93 43 00-0223	EA	6'	To 8' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	111.16	
32 93 43 00-0224	EA	1-1/2"	To 2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	204.63	
32 93 43 00-0225	EA	2"	To 2-1/2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	244.65	
32 93 43 00-0226	EA	1-1/2"	To 1-3/4" Caliper Prunus subhirtella - Weeping Cherry	160.17	
32 93 43 00-0227	EA	1-1/4"	To 1-1/2" Caliper Prunus subhirtella - Weeping Cherry	133.39	
32 93 43 00-0228	EA	1-3/4"	To 2" Caliper Prunus subhirtella - Weeping Cherry	195.64	
32 93 43 00-0229	EA	2"	To 2-1/2" Caliper Prunus subhirtella - Weeping Cherry	233.53	
32 93 43 00-0230	EA	2-1/2"	To 3" Caliper Prunus subhirtella - Weeping Cherry	300.23	
32 93 43 00-0231	EA	6'	To 8' Prunus yedoensis - Yoshino Cherry	115.71	
32 93 43 00-0232	EA	1-1/2"	To 2" Caliper Prunus yedoensis - Yoshino Cherry	177.96	
32 93 43 00-0233	EA	2"	To 2-1/2" Caliper Prunus yedoensis - Yoshino Cherry	217.87	
32 93 43 00-0234	EA	2-1/2"	To 3" Caliper Prunus yedoensis - Yoshino Cherry	278.00	
32 93 43 00-0235	EA	15'	Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	154.56	
32 93 43 00-0236	EA	20'	Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	193.20	
32 93 43 00-0237	EA	1-1/2"	To 2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	200.93	
32 93 43 00-0238	EA	2"	To 2-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	239.57	
32 93 43 00-0239	EA	2-1/2"	To 3" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	324.58	
32 93 43 00-0240	EA	3"	To 3-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	425.04	
32 93 43 00-0241	EA	3-1/2"	To 4" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	540.96	
32 93 43 00-0242	EA	15'	Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	154.56	
32 93 43 00-0243	EA	20'	Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	193.20	
32 93 43 00-0244	EA	1-1/2"	To 2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	131.38	
32 93 43 00-0245	EA	2"	To 2-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	200.93	
32 93 43 00-0246	EA	2-1/2"	To 3" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	239.57	
32 93 43 00-0247	EA	3"	To 3-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	324.58	
32 93 43 00-0248	EA	3-1/2"	To 4" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	425.04	
32 93 43 00-0249	EA	1-1/2"	Caliper Pyrus calleryana & cvs - Callery Pear	281.54	
32 93 43 00-0250	EA	2"	Caliper Pyrus calleryana & cvs - Callery Pear	351.92	
32 93 43 00-0251	EA	2-1/2"	Caliper Pyrus calleryana & cvs - Callery Pear	436.39	
32 93 43 00-0252	EA	3"	Caliper Pyrus calleryana & cvs - Callery Pear	492.69	
32 93 43 00-0253	EA	3-1/2"	Caliper Pyrus calleryana & cvs - Callery Pear	549.00	
32 93 43 00-0254	EA	4"	Caliper Pyrus calleryana & cvs - Callery Pear	703.85	
32 93 43 00-0255	EA	1-3/4"	Caliper Sophora japonica - Japanese Pagoda	376.40	
32 93 43 00-0256	EA	2"	Caliper Sophora japonica - Japanese Pagoda	423.45	
32 93 43 00-0257	EA	2-1/2"	Caliper Sophora japonica - Japanese Pagoda	494.03	
32 93 43 00-0258	EA	3"	Caliper Sophora japonica - Japanese Pagoda	722.56	
32 93 43 00-0259	EA	3-1/2"	Caliper Sophora japonica - Japanese Pagoda	1,092.24	
32 93 43 00-0260	EA	1-1/2"	Caliper Sorbus alnifolia - Korean Mountainash	281.54	
32 93 43 00-0261	EA	2"	Caliper Sorbus alnifolia - Korean Mountainash	351.92	
32 93 43 00-0262	EA	2-1/2"	Caliper Sorbus alnifolia - Korean Mountainash	436.39	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 43 00-0263	EA	3" Caliper Sorbus alnifolia - Korean Mountainash.....	534.92	
32 93 43 00-0264	EA	3-1/2" Caliper Sorbus alnifolia - Korean Mountainash.....	647.54	
32 93 43 00-0265	EA	4" Caliper Sorbus alnifolia - Korean Mountainash.....	774.23	
32 93 43 00-0266	EA	1-1/2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac.....	366.00	
32 93 43 00-0267	EA	2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac.....	394.15	
32 93 43 00-0268	EA	2-1/2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac.....	478.62	
32 93 43 00-0269	EA	4' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac.....	225.23	
32 93 43 00-0270	EA	5' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac.....	267.46	
32 93 43 00-0271	EA	6' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac.....	309.69	
32 93 43 00-0272	EA	7' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac.....	351.92	
32 93 43 00-0273	EA	8' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac.....	408.23	
32 93 43 00-0274	EA	10' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac.....	520.85	
32 93 43 00-0275	EA	12' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac.....	591.23	
32 93 43 00-0276	EA	14' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac.....	675.69	
32 93 43 00-0277	EA	8' Cassia leptophlia - Gold Medallion Tree.....	218.97	
32 93 43 00-0278	EA	10' Cassia leptophlia - Gold Medallion Tree.....	277.93	
32 93 43 00-0279	EA	12' Cassia leptophlia - Gold Medallion Tree.....	336.88	
32 93 43 00-0280	EA	6' Magnolia grandiflora 'St. Mary's'.....	252.66	
32 93 43 00-0281	EA	8' Magnolia grandiflora 'St. Mary's'.....	446.37	
32 93 43 00-0282	EA	10' Magnolia grandiflora 'St. Mary's'.....	560.91	
32 93 43 00-0283	EA	12' Magnolia grandiflora 'St. Mary's'.....	673.76	
32 93 43 00-0284	EA	14' Magnolia grandiflora 'St. Mary's'.....	783.25	
32 93 43 00-0285	EA	16' Magnolia grandiflora 'St. Mary's'.....	926.42	
32 93 43 00-0286	EA	24" Box Magnolia grandiflora 'St. Mary's'.....	277.93	
32 93 43 00-0287	EA	6' Prunus cerasifera - Purple Leaf Plum.....	131.38	
32 93 43 00-0288	EA	8' Prunus cerasifera - Purple Leaf Plum.....	151.60	
32 93 43 00-0289	EA	10' Prunus cerasifera - Purple Leaf Plum.....	195.39	
32 93 43 00-0290	EA	24" Box Prunus cerasifera - Purple Leaf Plum.....	208.02	
32 93 43 00-0291	EA	30" Box Prunus cerasifera - Purple Leaf Plum.....	421.10	
32 93 43 00-0292	EA	36" Box Prunus cerasifera - Purple Leaf Plum.....	645.97	
32 93 43 00-0293	EA	6' Pittosporum phillyraeoides - Willow Pittorporum.....	274.56	
32 93 43 00-0294	EA	8' Pittosporum phillyraeoides - Willow Pittorporum.....	392.47	
32 93 43 00-0295	EA	10' Pittosporum phillyraeoides - Willow Pittorporum.....	469.95	
32 93 43 00-0296	EA	12' Pittosporum phillyraeoides - Willow Pittorporum.....	606.38	
32 93 43 00-0297	EA	6' Stenocarpus sinuatus - Firewheel Tree.....	404.26	
32 93 43 00-0298	EA	8' Stenocarpus sinuatus - Firewheel Tree.....	539.01	
32 93 43 00-0299	EA	10' Stenocarpus sinuatus - Firewheel Tree.....	673.76	
32 93 43 00-0300	EA	12' Stenocarpus sinuatus - Firewheel Tree.....	808.51	
32 93 43 00-0301	EA	24" Box Handroanthus impetiginosus (Tabebuia avellanedae) - Pink Trumpet Tree.....	190.00	
32 93 43 00-0302	EA	36" Box Handroanthus impetiginosus (Tabebuia avellanedae) - Pink Trumpet Tree.....	550.00	
32 93 43 00-0303	EA	1-1/2" Caliper Arbutus menziesii - Madrona.....	292.94	
32 93 43 00-0304	EA	2" Caliper Arbutus menziesii - Madrona.....	380.82	
32 93 43 00-0305	EA	2-1/2" Caliper Arbutus menziesii - Madrona.....	439.41	
32 93 43 00-0306	EA	3" Caliper Arbutus menziesii - Madrona.....	498.00	
32 93 43 00-0307	EA	3-1/2" Caliper Arbutus menziesii - Madrona.....	585.88	
32 93 43 00-0308	EA	1-1/2" Caliper Koelreuteria bipinnata - Chinese Flame Tree.....	202.13	
32 93 43 00-0309	EA	2" Caliper Koelreuteria bipinnata - Chinese Flame Tree.....	328.46	
32 93 43 00-0310	EA	2-1/2" Caliper Koelreuteria bipinnata - Chinese Flame Tree.....	404.26	
32 93 43 00-0311	EA	3" Caliper Koelreuteria bipinnata - Chinese Flame Tree.....	446.37	
32 93 43 00-0312	EA	24" Box Koelreuteria bipinnata - Chinese Flame Tree.....	197.07	
32 93 43 00-0313	EA	30" Box Koelreuteria bipinnata - Chinese Flame Tree.....	454.79	
32 93 43 00-0314	EA	36" Box Koelreuteria bipinnata - Chinese Flame Tree.....	711.66	
32 93 43 00-0315	EA	1-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree.....	183.60	
32 93 43 00-0316	EA	2" Cliber Koelreuteria paniculata - Golden Rain Tree.....	298.14	
32 93 43 00-0317	EA	2-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree.....	365.51	
32 93 43 00-0318	EA	3" Cliber Koelreuteria paniculata - Golden Rain Tree.....	412.68	
32 93 43 00-0319	EA	6' Magnolia grandiflora - Southern Magnolia.....	124.65	
32 93 43 00-0320	EA	7' Magnolia grandiflora - Southern Magnolia.....	188.65	
32 93 43 00-0321	EA	8' Magnolia grandiflora - Southern Magnolia.....	264.45	
32 93 43 00-0322	EA	9' Magnolia grandiflora - Southern Magnolia.....	352.04	
32 93 43 00-0323	EA	10' Magnolia grandiflora - Southern Magnolia.....	535.64	
32 93 43 00-0324	EA	24" Box Magnolia grandiflora - Southern Magnolia.....	218.97	
32 93 43 00-0325	EA	1-1/2" Caliper Tipuana tipu - Tipu Tree.....	261.08	
32 93 43 00-0326	EA	2" Caliper Tipuana tipu - Tipu Tree.....	340.25	
32 93 43 00-0327	EA	2-1/2" Caliper Tipuana tipu - Tipu Tree.....	431.21	
32 93 43 00-0328	EA	3" Caliper Tipuana tipu - Tipu Tree.....	496.90	
32 93 43 00-0329	EA	3-1/2" Caliper Tipuana tipu - Tipu Tree.....	731.03	
32 93 43 00-0330	EA	4" Caliper Tipuana tipu - Tipu Tree.....	976.95	
32 93 43 00-0331	EA	24" Box Tipuana tipu - Tipu Tree.....	197.07	
32 93 43 00-0332	EA	6' Albizia julibrissin - Silk Tree.....	404.26	
32 93 43 00-0333	EA	8' Albizia julibrissin - Silk Tree.....	539.01	
32 93 43 00-0334	EA	10' Albizia julibrissin - Silk Tree.....	673.76	
32 93 43 00-0335	EA	12' Albizia julibrissin - Silk Tree.....	808.51	
32 93 43 00-0336	EA	6' Brachychiton acerifolius - Flame Tree.....	404.26	
32 93 43 00-0337	EA	8' Brachychiton acerifolius - Flame Tree.....	539.01	
32 93 43 00-0338	EA	10' Brachychiton acerifolius - Flame Tree.....	673.76	
32 93 43 00-0339	EA	12' Brachychiton acerifolius - Flame Tree.....	808.51	
32 93 43 00-0340	EA	1-1/2" Caliper Chilopsis linearis - Desert Willow.....	326.77	
32 93 43 00-0341	EA	2" Caliper Chilopsis linearis - Desert Willow.....	392.47	
32 93 43 00-0342	EA	2-1/2" Caliper Chilopsis linearis - Desert Willow.....	417.73	
32 93 43 00-0343	EA	3" Caliper Chilopsis linearis - Desert Willow.....	463.21	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0344	EA		5 Gallon Chionanthus retusus - Chinese Fringe Tree.....	16.84	
32 93 43 00-0345	EA		15 Gallon Chionanthus retusus - Chinese Fringe Tree.....	67.38	
32 93 43 00-0346	EA		24" Box Chionanthus retusus - Chinese Fringe Tree.....	336.88	
32 93 43 00-0347	EA		5 Gallon Calodendrum capense - Cape Chestnut.....	25.27	
32 93 43 00-0348	EA		15 Gallon Calodendrum capense - Cape Chestnut.....	101.06	
32 93 43 00-0349	EA		24" Box Calodendrum capense - Cape Chestnut.....	378.99	
32 93 43 00-0350	EA		6' Chionanthus virginicus - White Fringe Tree.....	202.13	
32 93 43 00-0351	EA		8' Chionanthus virginicus - White Fringe Tree.....	453.28	
32 93 43 00-0352	EA		10' Chionanthus virginicus - White Fringe Tree.....	631.35	
32 93 43 00-0353	EA		15 Gallon Geijera parvifolia - Australian Willow.....	194.26	
32 93 43 00-0354	EA		24" Box Geijera parvifolia - Australian Willow.....	399.86	
32 93 43 00-0355	EA		30" Box Geijera parvifolia - Australian Willow.....	744.67	
32 93 43 00-0356	EA		36" Box Geijera parvifolia - Australian Willow.....	1,068.44	
32 93 43 00-0357	EA		1-1/2" Caliper Ginko Biloba - Maidenhair Tree.....	576.31	
32 93 43 00-0358	EA		2" Caliper Ginko Biloba - Maidenhair Tree.....	802.95	
32 93 43 00-0359	EA		2-1/2" Caliper Ginko Biloba - Maidenhair Tree.....	968.07	
32 93 43 00-0360	EA		3" Caliper Ginko Biloba - Maidenhair Tree.....	1,129.96	
32 93 43 00-0361	EA		3-1/2" Caliper Ginko Biloba - Maidenhair Tree.....	1,479.63	
32 93 43 00-0362	EA		4" Caliper Ginko Biloba - Maidenhair Tree.....	1,580.00	
32 93 43 00-0363	EA		4-1/2" Caliper Ginko Biloba - Maidenhair Tree.....	1,683.60	
32 93 43 00-0364	EA		24" Box Ginko Biloba - Maidenhair Tree.....	526.13	
32 93 43 00-0365	EA		15 Gallon Sapium sebiferum - Chinese Tallow Tree.....	194.26	
32 93 43 00-0366	EA		24" Box Sapium sebiferum - Chinese Tallow Tree.....	712.29	
32 93 43 00-0367	EA		4' To 5' Lagerstroemia indica - Crape Myrtle.....	207.21	
32 93 43 00-0368	EA		6' Lagerstroemia indica - Crape Myrtle.....	385.29	
32 93 43 00-0369	EA		8' Lagerstroemia indica - Crape Myrtle.....	398.24	
32 93 43 00-0370	EA		10' Lagerstroemia indica - Crape Myrtle.....	482.42	
32 93 43 00-0371	EA		24" Box Lagerstroemia indica - Crape Myrtle.....	378.81	

32 93 43 00-0372

Deciduous Shade Trees (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0373	EA		3-1/2" To 4" Caliper Acer palmatum - Bloodgood Japanese Maple.....	204.30	
32 93 43 00-0374	EA		4" To 4-1/2" Caliper Acer palmatum - Bloodgood Japanese Maple.....	250.44	
32 93 43 00-0375	EA		4-1/2" To 5" Caliper Acer palmatum - Bloodgood Japanese Maple.....	326.22	
32 93 43 00-0376	EA		5" To 6" Caliper Acer palmatum - Bloodgood Japanese Maple.....	422.88	
32 93 43 00-0377	EA		2' To 2-1/2' Acer palmatum - Japanese Maple.....	21.55	
32 93 43 00-0378	EA		4' To 5' Acer palmatum - Japanese Maple.....	45.25	
32 93 43 00-0379	EA		5' To 6' Acer palmatum - Japanese Maple.....	59.26	
32 93 43 00-0380	EA		6' To 7' Acer palmatum - Japanese Maple.....	107.74	
32 93 43 00-0381	EA		7' To 8' Acer palmatum - Japanese Maple.....	150.84	
32 93 43 00-0382	EA		8' To 10' Acer palmatum - Japanese Maple.....	193.94	
32 93 43 00-0383	EA		10' To 12' Acer palmatum - Japanese Maple.....	258.58	
32 93 43 00-0384	EA		2" Caliper Acer platanoides & cvs - Norway Maple.....	109.84	
32 93 43 00-0385	EA		2" Caliper Acer platanoides & cvs - Norway Maple.....	133.72	
32 93 43 00-0386	EA		3" Caliper Acer platanoides & cvs - Norway Maple.....	171.92	
32 93 43 00-0387	EA		3-1/2" Caliper Acer platanoides & cvs - Norway Maple.....	200.58	
32 93 43 00-0388	EA		4" Caliper Acer platanoides & cvs - Norway Maple.....	214.90	
32 93 43 00-0389	EA		4-1/2" Caliper Acer platanoides & cvs - Norway Maple.....	234.01	
32 93 43 00-0390	EA		5" Caliper Acer platanoides & cvs - Norway Maple.....	262.66	
32 93 43 00-0391	EA		2" Caliper Acer rubrum & cvs - Red Maple.....	105.06	
32 93 43 00-0392	EA		2-1/2" Caliper Acer rubrum & cvs - Red Maple.....	133.72	
32 93 43 00-0393	EA		3" Caliper Acer rubrum & cvs - Red Maple.....	171.92	
32 93 43 00-0394	EA		3-1/2" Caliper Acer rubrum & cvs - Red Maple.....	210.13	
32 93 43 00-0395	EA		4" Caliper Acer rubrum & cvs - Red Maple.....	238.78	
32 93 43 00-0396	EA		4-1/2" Caliper Acer rubrum & cvs - Red Maple.....	276.99	
32 93 43 00-0397	EA		5" Caliper Acer rubrum & cvs - Red Maple.....	310.42	
32 93 43 00-0398	EA		8' Clump Form Acer rubrum & cvs - Red Maple.....	128.94	
32 93 43 00-0399	EA		10' Clump Form Acer rubrum & cvs - Red Maple.....	171.92	
32 93 43 00-0400	EA		12' Clump Form Acer rubrum & cvs - Red Maple.....	200.58	
32 93 43 00-0401	EA		14' Clump Form Acer rubrum & cvs - Red Maple.....	229.23	
32 93 43 00-0402	EA		16' Clump Form Acer rubrum & cvs - Red Maple.....	257.89	
32 93 43 00-0403	EA		18' Clump Form Acer rubrum & cvs - Red Maple.....	286.54	
32 93 43 00-0404	EA		2" Caliper Acer saccharinum & cvs - Silver Maple.....	85.96	
32 93 43 00-0405	EA		2-1/2" Caliper Acer saccharinum & cvs - Silver Maple.....	114.62	
32 93 43 00-0406	EA		3" Caliper Acer saccharinum & cvs - Silver Maple.....	143.27	
32 93 43 00-0407	EA		3-1/2" Caliper Acer saccharinum & cvs - Silver Maple.....	171.92	
32 93 43 00-0408	EA		4" Caliper Acer saccharinum & cvs - Silver Maple.....	200.58	
32 93 43 00-0409	EA		4-1/2" Caliper Acer saccharinum & cvs - Silver Maple.....	229.23	
32 93 43 00-0410	EA		5" Caliper Acer saccharinum & cvs - Silver Maple.....	257.89	
32 93 43 00-0411	EA		2" Caliper Acer saccharum & cvs - Sugar Maple.....	105.06	
32 93 43 00-0412	EA		2-1/2" Caliper Acer saccharum & cvs - Sugar Maple.....	138.49	
32 93 43 00-0413	EA		3" Caliper Acer saccharum & cvs - Sugar Maple.....	167.15	
32 93 43 00-0414	EA		3-1/2" Caliper Acer saccharum & cvs - Sugar Maple.....	191.03	
32 93 43 00-0415	EA		4" Caliper Acer saccharum & cvs - Sugar Maple.....	224.46	
32 93 43 00-0416	EA		4-1/2" Caliper Acer saccharum & cvs - Sugar Maple.....	257.89	
32 93 43 00-0417	EA		5" Caliper Acer saccharum & cvs - Sugar Maple.....	286.54	
32 93 43 00-0418	EA		10' Clump Form Acer saccharum & cvs - Sugar Maple.....	191.03	
32 93 43 00-0419	EA		12' Clump Form Acer saccharum & cvs - Sugar Maple.....	224.46	
32 93 43 00-0420	EA		14' Clump Form Acer saccharum & cvs - Sugar Maple.....	262.66	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0421 EA 16' Clump Form Acer saccharum & cvs - Sugar Maple .....	291.31	
32 93 43 00-0422 EA 18' Clump Form Acer saccharum & cvs - Sugar Maple .....	353.40	
32 93 43 00-0423 EA 20' Clump Form Acer saccharum & cvs - Sugar Maple .....	382.05	
32 93 43 00-0424 EA 2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple .....	119.39	
32 93 43 00-0425 EA 2-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple .....	148.05	
32 93 43 00-0426 EA 3" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple .....	181.47	
32 93 43 00-0427 EA 3-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple .....	210.13	
32 93 43 00-0428 EA 4" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple .....	229.23	
32 93 43 00-0429 EA 4-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple .....	253.11	
32 93 43 00-0430 EA 5" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple .....	281.76	
32 93 43 00-0431 EA 10' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple .....	171.92	
32 93 43 00-0432 EA 12' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple .....	227.32	
32 93 43 00-0433 EA 14' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple .....	264.57	
32 93 43 00-0434 EA 16' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple .....	291.31	
32 93 43 00-0435 EA 18' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple .....	353.40	
32 93 43 00-0436 EA 20' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple .....	382.05	
32 93 43 00-0437 EA 2" Caliper Aesculus glabra - Ohio Buckeye .....	128.94	
32 93 43 00-0438 EA 2-1/2" Caliper Aesculus glabra - Ohio Buckeye .....	152.82	
32 93 43 00-0439 EA 3" Caliper Aesculus glabra - Ohio Buckeye .....	181.47	
32 93 43 00-0440 EA 3-1/2" Caliper Aesculus glabra - Ohio Buckeye .....	200.58	
32 93 43 00-0441 EA 4" Caliper Aesculus glabra - Ohio Buckeye .....	219.68	
32 93 43 00-0442 EA 4-1/2" Caliper Aesculus glabra - Ohio Buckeye .....	248.33	
32 93 43 00-0443 EA 5" Caliper Aesculus glabra - Ohio Buckeye .....	286.54	
32 93 43 00-0444 EA 2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut .....	167.15	
32 93 43 00-0445 EA 2-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut .....	186.25	
32 93 43 00-0446 EA 3" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut .....	210.13	
32 93 43 00-0447 EA 3-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut .....	238.78	
32 93 43 00-0448 EA 4" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut .....	286.54	
32 93 43 00-0449 EA 2" Caliper Aesculus x carnea - Red Horsechestnut .....	167.15	
32 93 43 00-0450 EA 2-1/2" Caliper Aesculus x carnea - Red Horsechestnut .....	186.25	
32 93 43 00-0451 EA 3" Caliper Aesculus x carnea - Red Horsechestnut .....	210.13	
32 93 43 00-0452 EA 3-1/2" Caliper Aesculus x carnea - Red Horsechestnut .....	238.78	
32 93 43 00-0453 EA 4" Caliper Aesculus x carnea - Red Horsechestnut .....	286.54	
32 93 43 00-0454 EA 2" Caliper Alnus glutinosa - Common Alder, Black Alder .....	119.39	
32 93 43 00-0455 EA 2-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder .....	138.49	
32 93 43 00-0456 EA 3" Caliper Alnus glutinosa - Common Alder, Black Alder .....	157.60	
32 93 43 00-0457 EA 3-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder .....	181.47	
32 93 43 00-0458 EA 8' Clump Form Alnus glutinosa - Common Alder, Black Alder .....	124.17	
32 93 43 00-0459 EA 10' Clump Form Alnus glutinosa - Common Alder, Black Alder .....	152.82	
32 93 43 00-0460 EA 12' Clump Form Alnus glutinosa - Common Alder, Black Alder .....	171.92	
32 93 43 00-0461 EA 14' Clump Form Alnus glutinosa - Common Alder, Black Alder .....	191.03	
32 93 43 00-0462 EA 16' Clump Form Alnus glutinosa - Common Alder, Black Alder .....	214.90	
32 93 43 00-0463 EA 18' Clump Form Alnus glutinosa - Common Alder, Black Alder .....	238.78	
32 93 43 00-0464 EA 2" Caliper Betula nigra - River Birch .....	119.39	
32 93 43 00-0465 EA 2-1/2" Caliper Betula nigra - River Birch .....	135.20	
32 93 43 00-0466 EA 3" Caliper Betula nigra - River Birch .....	152.82	
32 93 43 00-0467 EA 3-1/2" Caliper Betula nigra - River Birch .....	191.03	
32 93 43 00-0468 EA 4" Caliper Betula nigra - River Birch .....	214.90	
32 93 43 00-0469 EA 4-1/2" Caliper Betula nigra - River Birch .....	238.78	
32 93 43 00-0470 EA 5" Caliper Betula nigra - River Birch .....	262.66	
32 93 43 00-0471 EA 8' Clump Form Betula nigra - River Birch .....	109.84	
32 93 43 00-0472 EA 10' Clump Form Betula nigra - River Birch .....	124.17	
32 93 43 00-0473 EA 12' Clump Form Betula nigra - River Birch .....	143.27	
32 93 43 00-0474 EA 14' Clump Form Betula nigra - River Birch .....	167.15	
32 93 43 00-0475 EA 16' Clump Form Betula nigra - River Birch .....	191.03	
32 93 43 00-0476 EA 12' Clump Form Betula platyphylla japonica & cvs - Asian White Birch .....	143.27	
32 93 43 00-0477 EA 14' Clump Form Betula platyphylla japonica & cvs - Asian White Birch .....	171.92	
32 93 43 00-0478 EA 16' Clump Form Betula platyphylla japonica & cvs - Asian White Birch .....	200.58	
32 93 43 00-0479 EA 18' Clump Form Betula platyphylla japonica & cvs - Asian White Birch .....	238.78	
32 93 43 00-0480 EA 20' Clump Form Betula platyphylla japonica & cvs - Asian White Birch .....	248.33	
32 93 43 00-0481 EA 2" Caliper Carpinus betulus & cvs - European Hornbeam .....	191.03	
32 93 43 00-0482 EA 2-1/2" Caliper Carpinus betulus & cvs - European Hornbeam .....	214.90	
32 93 43 00-0483 EA 3" Caliper Carpinus betulus & cvs - European Hornbeam .....	248.33	
32 93 43 00-0484 EA 3-1/2" Caliper Carpinus betulus & cvs - European Hornbeam .....	300.87	
32 93 43 00-0485 EA 6' Clump Form Carpinus betulus & cvs - European Hornbeam .....	85.96	
32 93 43 00-0486 EA 7' Clump Form Carpinus betulus & cvs - European Hornbeam .....	119.39	
32 93 43 00-0487 EA 8' Clump Form Carpinus betulus & cvs - European Hornbeam .....	148.05	
32 93 43 00-0488 EA 2" Caliper Catalpa speciosa - Northern Catalpa .....	105.06	
32 93 43 00-0489 EA 2-1/2" Caliper Catalpa speciosa - Northern Catalpa .....	143.27	
32 93 43 00-0490 EA 3" Caliper Catalpa speciosa - Northern Catalpa .....	186.25	
32 93 43 00-0491 EA 3-1/2" Caliper Catalpa speciosa - Northern Catalpa .....	224.46	
32 93 43 00-0492 EA 4" Caliper Catalpa speciosa - Northern Catalpa .....	257.89	
32 93 43 00-0493 EA 2" Caliper Celtis occidentalis & cvs - Common Hackberry .....	133.72	
32 93 43 00-0494 EA 2-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry .....	152.82	
32 93 43 00-0495 EA 3" Caliper Celtis occidentalis & cvs - Common Hackberry .....	186.25	
32 93 43 00-0496 EA 3-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry .....	219.68	
32 93 43 00-0497 EA 4" Caliper Celtis occidentalis & cvs - Common Hackberry .....	253.11	
32 93 43 00-0498 EA 4-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry .....	286.54	
32 93 43 00-0499 EA 3" Caliper Cercidiphyllum japonicum - Katsuratree .....	167.15	
32 93 43 00-0500 EA 3-1/2" Caliper Cercidiphyllum japonicum - Katsuratree .....	191.03	
32 93 43 00-0501 EA 4" Caliper Cercidiphyllum japonicum - Katsuratree .....	224.46	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0502	EA		5" Caliper Cercidiphyllum japonicum - Katsuratree.....	267.44	
32 93 43 00-0503	EA		6' Clump Form Cercidiphyllum japonicum - Katsuratree.....	133.72	
32 93 43 00-0504	EA		7' Clump Form Cercidiphyllum japonicum - Katsuratree.....	157.60	
32 93 43 00-0505	EA		8' Clump Form Cercidiphyllum japonicum - Katsuratree.....	191.03	
32 93 43 00-0506	EA		10' Clump Form Cercidiphyllum japonicum - Katsuratree.....	238.78	
32 93 43 00-0507	EA		12' Clump Form Cercidiphyllum japonicum - Katsuratree.....	286.54	
32 93 43 00-0508	EA		2" Caliper Cladrastus lutea - American Yellowwood.....	238.78	
32 93 43 00-0509	EA		2-1/2" Caliper Cladrastus lutea - American Yellowwood.....	286.54	
32 93 43 00-0510	EA		3" Caliper Cladrastus lutea - American Yellowwood.....	334.30	
32 93 43 00-0511	EA		3-1/2" Caliper Cladrastus lutea - American Yellowwood.....	382.05	
32 93 43 00-0512	EA		2" Caliper Corylus colurna - Turkish Filbert.....	148.05	
32 93 43 00-0513	EA		2-1/2" Caliper Corylus colurna - Turkish Filbert.....	167.15	
32 93 43 00-0514	EA		3" Caliper Corylus colurna - Turkish Filbert.....	191.03	
32 93 43 00-0515	EA		3-1/2" Caliper Corylus colurna - Turkish Filbert.....	219.68	
32 93 43 00-0516	EA		4" Caliper Corylus colurna - Turkish Filbert.....	262.66	
32 93 43 00-0517	EA		4-1/2" Caliper Corylus colurna - Turkish Filbert.....	305.64	
32 93 43 00-0518	EA		5" Caliper Corylus colurna - Turkish Filbert.....	348.62	
32 93 43 00-0519	EA		8' Clump Form Corylus colurna - Turkish Filbert.....	133.72	
32 93 43 00-0520	EA		10' Clump Form Corylus colurna - Turkish Filbert.....	162.37	
32 93 43 00-0521	EA		12' Clump Form Corylus colurna - Turkish Filbert.....	191.03	
32 93 43 00-0522	EA		14' Clump Form Corylus colurna - Turkish Filbert.....	214.90	
32 93 43 00-0523	EA		16' Clump Form Corylus colurna - Turkish Filbert.....	238.78	
32 93 43 00-0524	EA		1-1/2" Caliper Diospyros virginiana - Common Persimmon.....	85.96	
32 93 43 00-0525	EA		2" Caliper Diospyros virginiana - Common Persimmon.....	105.06	
32 93 43 00-0526	EA		2-1/2" Caliper Diospyros virginiana - Common Persimmon.....	133.72	
32 93 43 00-0527	EA		3" Caliper Diospyros virginiana - Common Persimmon.....	167.15	
32 93 43 00-0528	EA		3-1/2" Caliper Diospyros virginiana - Common Persimmon.....	200.58	
32 93 43 00-0529	EA		1-1/2" Caliper Fagus grandifolia - American Beech.....	191.03	
32 93 43 00-0530	EA		2" Caliper Fagus grandifolia - American Beech.....	248.33	
32 93 43 00-0531	EA		2-1/2" Caliper Fagus grandifolia - American Beech.....	315.19	
32 93 43 00-0532	EA		3" Caliper Fagus grandifolia - American Beech.....	382.05	
32 93 43 00-0533	EA		3-1/2" Caliper Fagus grandifolia - American Beech.....	453.69	
32 93 43 00-0534	EA		2" Caliper Fagus sylvatica & cvs - European Beech.....	214.90	
32 93 43 00-0535	EA		2-1/2" Caliper Fagus sylvatica & cvs - European Beech.....	257.89	
32 93 43 00-0536	EA		3" Caliper Fagus sylvatica & cvs - European Beech.....	310.42	
32 93 43 00-0537	EA		3-1/2" Caliper Fagus sylvatica & cvs - European Beech.....	343.85	
32 93 43 00-0538	EA		4" Caliper Fagus sylvatica & cvs - European Beech.....	405.93	
32 93 43 00-0539	EA		4-1/2" Caliper Fagus sylvatica & cvs - European Beech.....	525.32	
32 93 43 00-0540	EA		5" Caliper Fagus sylvatica & cvs - European Beech.....	620.83	
32 93 43 00-0541	EA		2" Caliper Fraxinus americana & cvs - White Ash.....	119.39	
32 93 43 00-0542	EA		2-1/2" Caliper Fraxinus americana & cvs - White Ash.....	143.27	
32 93 43 00-0543	EA		3" Caliper Fraxinus americana & cvs - White Ash.....	181.47	
32 93 43 00-0544	EA		3-1/2" Caliper Fraxinus americana & cvs - White Ash.....	219.68	
32 93 43 00-0545	EA		4" Caliper Fraxinus americana & cvs - White Ash.....	257.89	
32 93 43 00-0546	EA		4-1/2" Caliper Fraxinus americana & cvs - White Ash.....	286.54	
32 93 43 00-0547	EA		5" Caliper Fraxinus americana & cvs - White Ash.....	334.30	
32 93 43 00-0548	EA		2" Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	105.06	
32 93 43 00-0549	EA		2-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	124.17	
32 93 43 00-0550	EA		3" Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	167.15	
32 93 43 00-0551	EA		3-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	200.58	
32 93 43 00-0552	EA		4" Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	238.78	
32 93 43 00-0553	EA		4-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	257.89	
32 93 43 00-0554	EA		5" Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	286.54	
32 93 43 00-0555	EA		1-1/2" Caliper Fraxinus quadrangulata - Blue Ash.....	143.27	
32 93 43 00-0556	EA		2" Caliper Fraxinus quadrangulata - Blue Ash.....	176.70	
32 93 43 00-0557	EA		2-1/2" Caliper Fraxinus quadrangulata - Blue Ash.....	214.90	
32 93 43 00-0558	EA		3" Caliper Fraxinus quadrangulata - Blue Ash.....	262.66	
32 93 43 00-0559	EA		3-1/2" Caliper Fraxinus quadrangulata - Blue Ash.....	310.42	
32 93 43 00-0560	EA		1-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	167.15	
32 93 43 00-0561	EA		2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	186.25	
32 93 43 00-0562	EA		2-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	210.13	
32 93 43 00-0563	EA		3" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	234.01	
32 93 43 00-0564	EA		3-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	262.66	
32 93 43 00-0565	EA		4" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	286.54	
32 93 43 00-0566	EA		4-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	429.81	
32 93 43 00-0567	EA		5" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	477.57	
32 93 43 00-0568	EA		2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	114.62	
32 93 43 00-0569	EA		2-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	143.27	
32 93 43 00-0570	EA		3" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	171.92	
32 93 43 00-0571	EA		3-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	200.58	
32 93 43 00-0572	EA		4" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	229.23	
32 93 43 00-0573	EA		4-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	257.89	
32 93 43 00-0574	EA		5" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	305.64	
32 93 43 00-0575	EA		10' - 12' Bursera Simaruba - Gumbo Limbo.....	60.41	
32 93 43 00-0576	EA		12' - 14' Bursera Simaruba - Gumbo Limbo.....	71.40	
32 93 43 00-0577	EA		14' - 16' Bursera Simaruba - Gumbo Limbo.....	98.86	
32 93 43 00-0578	EA		17' - 18' Bursera Simaruba - Gumbo Limbo.....	128.51	
32 93 43 00-0579	EA		19' - 20' Bursera Simaruba - Gumbo Limbo.....	142.79	
32 93 43 00-0580	EA		21' - 22' Bursera Simaruba - Gumbo Limbo.....	169.15	
32 93 43 00-0581	EA		2" Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	148.05	
32 93 43 00-0582	EA		2-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	181.47	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 43 00-0583	EA	3"	Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	214.90	
32 93 43 00-0584	EA	3-1/2"	Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	253.11	
32 93 43 00-0585	EA	4"	Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	286.54	
32 93 43 00-0586	EA	4-1/2"	Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	319.97	
32 93 43 00-0587	EA	5"	Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	358.17	
32 93 43 00-0588	EA	1-1/2" To 2"	Caliper Zelkova serrata - Japanese Keaki Tree.....	73.91	
32 93 43 00-0589	EA	2" To 2-1/2"	Caliper Zelkova serrata - Japanese Keaki Tree.....	90.54	
32 93 43 00-0590	EA	2-1/2" To 3"	Caliper Zelkova serrata - Japanese Keaki Tree.....	114.71	
32 93 43 00-0591	EA	1-1/2"	Caliper Juglans cinerea - Butternut.....	114.62	
32 93 43 00-0592	EA	2"	Caliper Juglans cinerea - Butternut.....	133.72	
32 93 43 00-0593	EA	2-1/2"	Caliper Juglans cinerea - Butternut.....	167.15	
32 93 43 00-0594	EA	3"	Caliper Juglans cinerea - Butternut.....	210.13	
32 93 43 00-0595	EA	3-1/2"	Caliper Juglans cinerea - Butternut.....	257.89	
32 93 43 00-0596	EA	1-1/2"	Caliper Juglans nigra - Black Walnut.....	114.62	
32 93 43 00-0597	EA	2"	Caliper Juglans nigra - Black Walnut.....	133.72	
32 93 43 00-0598	EA	2-1/2"	Caliper Juglans nigra - Black Walnut.....	167.15	
32 93 43 00-0599	EA	3"	Caliper Juglans nigra - Black Walnut.....	210.13	
32 93 43 00-0600	EA	3-1/2"	Caliper Juglans nigra - Black Walnut.....	257.89	
32 93 43 00-0601	EA	4"	Caliper Juglans nigra - Black Walnut.....	310.42	
32 93 43 00-0602	EA	4-1/2"	Caliper Juglans nigra - Black Walnut.....	358.17	
32 93 43 00-0603	EA	5"	Caliper Juglans nigra - Black Walnut.....	405.93	
32 93 43 00-0604	EA	5 Gallon	Koelreuteria Paniculata - Goldenrain Tree.....	12.93	
32 93 43 00-0605	EA	15 Gallon	Koelreuteria Paniculata - Goldenrain Tree.....	32.32	
32 93 43 00-0606	EA	20 Gallon	Koelreuteria Paniculata - Goldenrain Tree.....	64.65	
32 93 43 00-0607	EA	55 Gallon	Koelreuteria Paniculata - Goldenrain Tree.....	84.04	
32 93 43 00-0608	EA	1-1/2" To 2"	Caliper Koelreuteria Paniculata - Goldenrain Tree.....	61.41	
32 93 43 00-0609	EA	2" To 2-1/2"	Caliper Koelreuteria Paniculata - Goldenrain Tree.....	74.34	
32 93 43 00-0610	EA	2-1/2" To 3"	Caliper Koelreuteria Paniculata - Goldenrain Tree.....	103.43	
32 93 43 00-0611	EA	1-1/2"	Caliper Liquidambar styraciflua - American Sweetgum.....	152.82	
32 93 43 00-0612	EA	2"	Caliper Liquidambar styraciflua - American Sweetgum.....	191.03	
32 93 43 00-0613	EA	2-1/2"	Caliper Liquidambar styraciflua - American Sweetgum.....	238.78	
32 93 43 00-0614	EA	3"	Caliper Liquidambar styraciflua - American Sweetgum.....	286.54	
32 93 43 00-0615	EA	3-1/2"	Caliper Liquidambar styraciflua - American Sweetgum.....	334.30	
32 93 43 00-0616	EA	1-1/2"	Caliper Liriodendron tulipifera - Tulip Tree.....	152.82	
32 93 43 00-0617	EA	2"	Caliper Liriodendron tulipifera - Tulip Tree.....	210.13	
32 93 43 00-0618	EA	2-1/2"	Caliper Liriodendron tulipifera - Tulip Tree.....	248.33	
32 93 43 00-0619	EA	3"	Caliper Liriodendron tulipifera - Tulip Tree.....	286.54	
32 93 43 00-0620	EA	3-1/2"	Caliper Liriodendron tulipifera - Tulip Tree.....	324.74	
32 93 43 00-0621	EA	8' Clump Form	Liriodendron tulipifera - Tulip Tree.....	114.62	
32 93 43 00-0622	EA	10' Clump Form	Liriodendron tulipifera - Tulip Tree.....	205.35	
32 93 43 00-0623	EA	12' Clump Form	Liriodendron tulipifera - Tulip Tree.....	248.33	
32 93 43 00-0624	EA	10' To 12'	Swietenia Mahagoni - Mahogany.....	84.58	
32 93 43 00-0625	EA	12' To 14'	Swietenia Mahagoni - Mahogany.....	98.86	
32 93 43 00-0626	EA	14' To 16'	Swietenia Mahagoni - Mahogany.....	131.81	
32 93 43 00-0627	EA	16' To 18'	Swietenia Mahagoni - Mahogany.....	148.28	
32 93 43 00-0628	EA	1-1/2"	Caliper Nyssa sylvatica - Black Tupelo Sour Gum.....	152.82	
32 93 43 00-0629	EA	2"	Caliper Nyssa sylvatica - Black Tupelo Sour Gum.....	191.03	
32 93 43 00-0630	EA	2-1/2"	Caliper Nyssa sylvatica - Black Tupelo Sour Gum.....	238.78	
32 93 43 00-0631	EA	3"	Caliper Nyssa sylvatica - Black Tupelo Sour Gum.....	286.54	
32 93 43 00-0632	EA	3-1/2"	Caliper Nyssa sylvatica - Black Tupelo Sour Gum.....	334.30	
32 93 43 00-0633	EA	4' Clump Form	Nyssa sylvatica - Black Tupelo Sour Gum.....	66.86	
32 93 43 00-0634	EA	5' Clump Form	Nyssa sylvatica - Black Tupelo Sour Gum.....	76.41	
32 93 43 00-0635	EA	6' Clump Form	Nyssa sylvatica - Black Tupelo Sour Gum.....	90.74	
32 93 43 00-0636	EA	7' Clump Form	Nyssa sylvatica - Black Tupelo Sour Gum.....	114.62	
32 93 43 00-0637	EA	8' Clump Form	Nyssa sylvatica - Black Tupelo Sour Gum.....	143.27	
32 93 43 00-0638	EA	2"	Caliper Ostrya virginiana - American Hophornbeam.....	124.17	
32 93 43 00-0639	EA	2-1/2"	Caliper Ostrya virginiana - American Hophornbeam.....	157.60	
32 93 43 00-0640	EA	3"	Caliper Ostrya virginiana - American Hophornbeam.....	191.03	
32 93 43 00-0641	EA	3-1/2"	Caliper Ostrya virginiana - American Hophornbeam.....	224.46	
32 93 43 00-0642	EA	4"	Caliper Ostrya virginiana - American Hophornbeam.....	272.21	
32 93 43 00-0643	EA	2"	Caliper Phellodendron amurense - Amur Corktree.....	95.51	
32 93 43 00-0644	EA	2-1/2"	Caliper Phellodendron amurense - Amur Corktree.....	119.39	
32 93 43 00-0645	EA	3"	Caliper Phellodendron amurense - Amur Corktree.....	143.27	
32 93 43 00-0646	EA	3-1/2"	Caliper Phellodendron amurense - Amur Corktree.....	167.15	
32 93 43 00-0647	EA	4"	Caliper Phellodendron amurense - Amur Corktree.....	191.03	
32 93 43 00-0648	EA	4-1/2"	Caliper Phellodendron amurense - Amur Corktree.....	214.90	
32 93 43 00-0649	EA	5"	Caliper Phellodendron amurense - Amur Corktree.....	238.78	
32 93 43 00-0650	EA	1-1/2" To 2"	Caliper Platanus acerifolia "Bloodgold" - London Plane.....	301.11	
32 93 43 00-0651	EA	2" To 2-1/2"	Caliper Platanus acerifolia "Bloodgold" - London Plane.....	537.46	
32 93 43 00-0652	EA	2-1/2" To 3"	Caliper Platanus acerifolia "Bloodgold" - London Plane.....	786.76	
32 93 43 00-0653	EA	3" To 3-1/2"	Caliper Platanus acerifolia "Bloodgold" - London Plane.....	977.79	
32 93 43 00-0654	EA	3-1/2" To 4"	Caliper Platanus acerifolia "Bloodgold" - London Plane.....	1,265.94	
32 93 43 00-0655	EA	4" To 5"	Caliper Platanus acerifolia "Bloodgold" - London Plane.....	1,440.78	
32 93 43 00-0656	EA	24"	Box Platanus acerifolia "Bloodgold" - London Plane.....	378.81	
32 93 43 00-0657	EA	30"	Box Platanus Occidentalis - Buttonwood Sycamore.....	207.48	
32 93 43 00-0658	EA	36"	Box Platanus Occidentalis - Buttonwood Sycamore.....	301.79	
32 93 43 00-0659	EA	42"	Box Platanus occidentalis - Buttonwood Sycamore.....	448.93	
32 93 43 00-0660	EA	1-1/2" To 2"	Caliper Platanus occidentalis - Buttonwood Sycamore.....	69.42	
32 93 43 00-0661	EA	2" To 2-1/2"	Caliper Platanus occidentalis - Buttonwood Sycamore.....	83.00	
32 93 43 00-0662	EA	2-1/2" To 3"	Caliper Platanus occidentalis - Buttonwood Sycamore.....	113.17	
32 93 43 00-0663	EA	3" To 3-1/2"	Caliper Platanus occidentalis - Buttonwood Sycamore.....	137.34	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0664	EA		8' To 10' Platanus occidentalis - Green Or Silver Buttonwood.....	57.12	
32 93 43 00-0665	EA		10' To 12' Platanus occidentalis - Green Or Silver Buttonwood.....	71.40	
32 93 43 00-0666	EA		12' To 14' Platanus occidentalis - Green Or Silver Buttonwood.....	126.32	
32 93 43 00-0667	EA		16' To 18' Platanus occidentalis - Green Or Silver Buttonwood.....	181.24	
32 93 43 00-0668	EA		2" Caliper Platanus x acerifolia & cvs - London Planetree.....	114.62	
32 93 43 00-0669	EA		2-1/2" Caliper Platanus x acerifolia & cvs - London Planetree.....	138.49	
32 93 43 00-0670	EA		3" Caliper Platanus x acerifolia & cvs - London Planetree.....	167.15	
32 93 43 00-0671	EA		3-1/2" Caliper Platanus x acerifolia & cvs - London Planetree.....	200.58	
32 93 43 00-0672	EA		4" Caliper Platanus x acerifolia & cvs - London Planetree.....	238.78	
32 93 43 00-0673	EA		2" Caliper Populus alba & cvs - White Poplar.....	114.62	
32 93 43 00-0674	EA		2-1/2" Caliper Populus alba & cvs - White Poplar.....	133.72	
32 93 43 00-0675	EA		3" Caliper Populus alba & cvs - White Poplar.....	152.82	
32 93 43 00-0676	EA		3-1/2" Caliper Populus alba & cvs - White Poplar.....	181.47	
32 93 43 00-0677	EA		4" Caliper Populus alba & cvs - White Poplar.....	200.58	
32 93 43 00-0678	EA		4-1/2" Caliper Populus alba & cvs - White Poplar.....	229.23	
32 93 43 00-0679	EA		2" Caliper Populus deltoides & cvs - Eastern Cottonwood.....	105.06	
32 93 43 00-0680	EA		2-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood.....	138.49	
32 93 43 00-0681	EA		3" Caliper Populus deltoides & cvs - Eastern Cottonwood.....	167.15	
32 93 43 00-0682	EA		3-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood.....	200.58	
32 93 43 00-0683	EA		4" Caliper Populus deltoides & cvs - Eastern Cottonwood.....	238.78	
32 93 43 00-0684	EA		6' To 8' Quercus acutissima - Sawtooth Oak.....	35.91	
32 93 43 00-0685	EA		8' To 10' Quercus acutissima - Sawtooth Oak.....	53.87	
32 93 43 00-0686	EA		10' To 12' Quercus acutissima - Sawtooth Oak.....	62.85	
32 93 43 00-0687	EA		1-1/2" To 2" Caliper Quercus acutissima - Sawtooth Oak.....	71.83	
32 93 43 00-0688	EA		2" To 2-1/2" Caliper Quercus acutissima - Sawtooth Oak.....	80.81	
32 93 43 00-0689	EA		3" To 3-1/2" Caliper Quercus virginiana - Live Oak.....	284.44	
32 93 43 00-0690	EA		3-1/2" To 4" Caliper Quercus virginiana - Live Oak.....	383.34	
32 93 43 00-0691	EA		4" To 4-1/2" Caliper Quercus virginiana - Live Oak.....	518.44	
32 93 43 00-0692	EA		4-1/2" To 5" Caliper Quercus virginiana - Live Oak.....	691.99	
32 93 43 00-0693	EA		5" To 5-1/2" Caliper Quercus virginiana - Live Oak.....	834.78	
32 93 43 00-0694	EA		5-1/2" To 6" Caliper Quercus virginiana - Live Oak.....	922.66	
32 93 43 00-0695	EA		6" To 6-1/2" Caliper Quercus virginiana - Live Oak.....	1,241.19	
32 93 43 00-0696	EA		6-1/2" To 7" Caliper Quercus virginiana - Live Oak.....	1,559.73	
32 93 43 00-0697	EA		7" To 7-1/2" Caliper Quercus virginiana - Live Oak.....	1,878.26	
32 93 43 00-0698	EA		7-1/2" To 8" Caliper Quercus virginiana - Live Oak.....	2,279.18	
32 93 43 00-0699	EA		8" To 8-1/2" Caliper Quercus virginiana - Live Oak.....	2,680.10	
32 93 43 00-0700	EA		2" Caliper Quercus alba - White Oak.....	143.27	
32 93 43 00-0701	EA		2-1/2" Caliper Quercus alba - White Oak.....	167.15	
32 93 43 00-0702	EA		3" Caliper Quercus alba - White Oak.....	210.13	
32 93 43 00-0703	EA		3-1/2" Caliper Quercus alba - White Oak.....	262.66	
32 93 43 00-0704	EA		4" Caliper Quercus alba - White Oak.....	310.42	
32 93 43 00-0705	EA		4-1/2" Caliper Quercus alba - White Oak.....	382.05	
32 93 43 00-0706	EA		5" Caliper Quercus alba - White Oak.....	453.69	
32 93 43 00-0707	EA		2" Caliper Quercus bicolor - Swamp White Oak.....	167.15	
32 93 43 00-0708	EA		2-1/2" Caliper Quercus bicolor - Swamp White Oak.....	191.03	
32 93 43 00-0709	EA		3" Caliper Quercus bicolor - Swamp White Oak.....	219.68	
32 93 43 00-0710	EA		3-1/2" Caliper Quercus bicolor - Swamp White Oak.....	243.56	
32 93 43 00-0711	EA		4" Caliper Quercus bicolor - Swamp White Oak.....	276.99	
32 93 43 00-0712	EA		4-1/2" Caliper Quercus bicolor - Swamp White Oak.....	305.64	
32 93 43 00-0713	EA		5" Caliper Quercus bicolor - Swamp White Oak.....	343.85	
32 93 43 00-0714	EA		10' Clump Form Quercus bicolor - Swamp White Oak.....	238.78	
32 93 43 00-0715	EA		12' Clump Form Quercus bicolor - Swamp White Oak.....	286.54	
32 93 43 00-0716	EA		14' Clump Form Quercus bicolor - Swamp White Oak.....	334.30	
32 93 43 00-0717	EA		16' Clump Form Quercus bicolor - Swamp White Oak.....	382.05	
32 93 43 00-0718	EA		2" Caliper Quercus coccinea - Scarlet Oak.....	124.17	
32 93 43 00-0719	EA		2-1/2" Caliper Quercus coccinea - Scarlet Oak.....	157.60	
32 93 43 00-0720	EA		3" Caliper Quercus coccinea - Scarlet Oak.....	195.80	
32 93 43 00-0721	EA		3-1/2" Caliper Quercus coccinea - Scarlet Oak.....	238.78	
32 93 43 00-0722	EA		4" Caliper Quercus coccinea - Scarlet Oak.....	286.54	
32 93 43 00-0723	EA		4-1/2" Caliper Quercus coccinea - Scarlet Oak.....	339.07	
32 93 43 00-0724	EA		5" Caliper Quercus coccinea - Scarlet Oak.....	396.38	
32 93 43 00-0725	EA		1-1/2" Caliper Quercus imbricaria - Shingle Oak.....	124.17	
32 93 43 00-0726	EA		2" Caliper Quercus imbricaria - Shingle Oak.....	167.15	
32 93 43 00-0727	EA		2-1/2" Caliper Quercus imbricaria - Shingle Oak.....	224.46	
32 93 43 00-0728	EA		3" Caliper Quercus imbricaria - Shingle Oak.....	334.30	
32 93 43 00-0729	EA		3-1/2" Caliper Quercus imbricaria - Shingle Oak.....	453.69	
32 93 43 00-0730	EA		1-1/2" Caliper Quercus macrocarpa - Bur Oak.....	124.17	
32 93 43 00-0731	EA		2" Caliper Quercus macrocarpa - Bur Oak.....	148.05	
32 93 43 00-0732	EA		2-1/2" Caliper Quercus macrocarpa - Bur Oak.....	176.70	
32 93 43 00-0733	EA		3" Caliper Quercus macrocarpa - Bur Oak.....	214.90	
32 93 43 00-0734	EA		3-1/2" Caliper Quercus macrocarpa - Bur Oak.....	262.66	
32 93 43 00-0735	EA		4" Caliper Quercus macrocarpa - Bur Oak.....	310.42	
32 93 43 00-0736	EA		9' Clump Form Quercus macrocarpa - Bur Oak.....	286.54	
32 93 43 00-0737	EA		10' Clump Form Quercus macrocarpa - Bur Oak.....	334.30	
32 93 43 00-0738	EA		12' Clump Form Quercus macrocarpa - Bur Oak.....	382.05	
32 93 43 00-0739	EA		2" Caliper Quercus palustris - Pin Oak.....	105.06	
32 93 43 00-0740	EA		2-1/2" Caliper Quercus palustris - Pin Oak.....	143.27	
32 93 43 00-0741	EA		3" Caliper Quercus palustris - Pin Oak.....	186.25	
32 93 43 00-0742	EA		3-1/2" Caliper Quercus palustris - Pin Oak.....	214.90	
32 93 43 00-0743	EA		4" Caliper Quercus palustris - Pin Oak.....	248.33	
32 93 43 00-0744	EA		4-1/2" Caliper Quercus palustris - Pin Oak.....	281.76	



**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 43 00-0745	EA	5" Caliper Quercus palustris - Pin Oak.....	310.42	
32 93 43 00-0746	EA	2" Caliper Quercus robur & cvs - English Oak.....	124.17	
32 93 43 00-0747	EA	2-1/2" Caliper Quercus robur & cvs - English Oak.....	152.82	
32 93 43 00-0748	EA	3" Caliper Quercus robur & cvs - English Oak.....	181.47	
32 93 43 00-0749	EA	3-1/2" Caliper Quercus robur & cvs - English Oak.....	214.90	
32 93 43 00-0750	EA	4" Caliper Quercus robur & cvs - English Oak.....	248.33	
32 93 43 00-0751	EA	4-1/2" Caliper Quercus robur & cvs - English Oak.....	286.54	
32 93 43 00-0752	EA	5" Caliper Quercus robur & cvs - English Oak.....	324.74	
32 93 43 00-0753	EA	2" Caliper Quercus rubra - Red Oak.....	143.27	
32 93 43 00-0754	EA	2-1/2" Caliper Quercus rubra - Red Oak.....	167.15	
32 93 43 00-0755	EA	3" Caliper Quercus rubra - Red Oak.....	200.58	
32 93 43 00-0756	EA	3-1/2" Caliper Quercus rubra - Red Oak.....	238.78	
32 93 43 00-0757	EA	4" Caliper Quercus rubra - Red Oak.....	286.54	
32 93 43 00-0758	EA	4-1/2" Caliper Quercus rubra - Red Oak.....	334.30	
32 93 43 00-0759	EA	5" Caliper Quercus rubra - Red Oak.....	382.05	
32 93 43 00-0760	EA	16' Clump Form Quercus rubra - Red Oak.....	310.42	
32 93 43 00-0761	EA	18' Clump Form Quercus rubra - Red Oak.....	372.50	
32 93 43 00-0762	EA	20' Clump Form Quercus rubra - Red Oak.....	415.48	
32 93 43 00-0763	EA	2" Caliper Quercus shumardii - Shumard Oak.....	162.37	
32 93 43 00-0764	EA	2-1/2" Caliper Quercus shumardii - Shumard Oak.....	205.35	
32 93 43 00-0765	EA	3" Caliper Quercus shumardii - Shumard Oak.....	238.78	
32 93 43 00-0766	EA	3-1/2" Caliper Quercus shumardii - Shumard Oak.....	286.54	
32 93 43 00-0767	EA	4" Caliper Quercus shumardii - Shumard Oak.....	334.30	
32 93 43 00-0768	EA	4-1/2" Caliper Quercus shumardii - Shumard Oak.....	382.05	
32 93 43 00-0769	EA	5" Caliper Quercus shumardii - Shumard Oak.....	429.81	
32 93 43 00-0770	EA	2" Caliper Quercus schuettii - Swamp Bur Oak.....	143.27	
32 93 43 00-0771	EA	2-1/2" Caliper Quercus schuettii - Swamp Bur Oak.....	171.92	
32 93 43 00-0772	EA	3" Caliper Quercus schuettii - Swamp Bur Oak.....	214.90	
32 93 43 00-0773	EA	3-1/2" Caliper Quercus schuettii - Swamp Bur Oak.....	262.66	
32 93 43 00-0774	EA	4" Caliper Quercus schuettii - Swamp Bur Oak.....	305.64	
32 93 43 00-0775	EA	4-1/2" Caliper Quercus schuettii - Swamp Bur Oak.....	343.85	
32 93 43 00-0776	EA	1-1/2" Caliper Quercus suber - Cork Oak.....	453.28	
32 93 43 00-0777	EA	2" Caliper Quercus suber - Cork Oak.....	628.11	
32 93 43 00-0778	EA	2-1/2" Caliper Quercus suber - Cork Oak.....	802.95	
32 93 43 00-0779	EA	3" Caliper Quercus suber - Cork Oak.....	1,003.69	
32 93 43 00-0780	EA	3-1/2" Caliper Quercus suber - Cork Oak.....	1,505.53	
32 93 43 00-0781	EA	4" Caliper Quercus suber - Cork Oak.....	1,942.62	
32 93 43 00-0782	EA	4-1/2" Caliper Quercus suber - Cork Oak.....	2,525.41	
32 93 43 00-0783	EA	1-1/2" Caliper Quercus ilex - Holly Oak.....	501.84	
32 93 43 00-0784	EA	2" Caliper Quercus ilex - Holly Oak.....	676.68	
32 93 43 00-0785	EA	2-1/2" Caliper Quercus ilex - Holly Oak.....	828.85	
32 93 43 00-0786	EA	3" Caliper Quercus ilex - Holly Oak.....	1,003.69	
32 93 43 00-0787	EA	3-1/2" Caliper Quercus ilex - Holly Oak.....	1,505.53	
32 93 43 00-0788	EA	4" Caliper Quercus ilex - Holly Oak.....	1,942.62	
32 93 43 00-0789	EA	24" Box Salix babylonica - Weeping Willow.....	120.71	
32 93 43 00-0790	EA	36" Box Salix babylonica - Weeping Willow.....	301.79	
32 93 43 00-0791	EA	1-1/2" To 2" Caliper Salix babylonica - Weeping Willow.....	69.42	
32 93 43 00-0792	EA	2" To 2-1/2" Caliper Salix babylonica - Weeping Willow.....	83.00	
32 93 43 00-0793	EA	2-1/2" To 3" Caliper Salix babylonica - Weeping Willow.....	90.54	
32 93 43 00-0794	EA	2" Caliper Salix alba & cvs - White Willow.....	76.41	
32 93 43 00-0795	EA	2-1/2" Caliper Salix alba & cvs - White Willow.....	90.74	
32 93 43 00-0796	EA	3" Caliper Salix alba & cvs - White Willow.....	119.39	
32 93 43 00-0797	EA	3-1/2" Caliper Salix alba & cvs - White Willow.....	143.27	
32 93 43 00-0798	EA	4" Caliper Salix alba & cvs - White Willow.....	171.92	
32 93 43 00-0799	EA	4-1/2" Caliper Salix alba & cvs - White Willow.....	200.58	
32 93 43 00-0800	EA	5" Caliper Salix alba & cvs - White Willow.....	229.23	
32 93 43 00-0801	EA	5' Clump Form Sassafras albidum - Common Sassafras.....	90.74	
32 93 43 00-0802	EA	6' Clump Form Sassafras albidum - Common Sassafras.....	109.84	
32 93 43 00-0803	EA	7' Clump Form Sassafras albidum - Common Sassafras.....	138.49	
32 93 43 00-0804	EA	8' Clump Form Sassafras albidum - Common Sassafras.....	157.60	
32 93 43 00-0805	EA	10' Clump Form Sassafras albidum - Common Sassafras.....	176.70	
32 93 43 00-0806	EA	12' Clump Form Sassafras albidum - Common Sassafras.....	214.90	
32 93 43 00-0807	EA	14' Clump Form Sassafras albidum - Common Sassafras.....	262.66	
32 93 43 00-0808	EA	16' Clump Form Sassafras albidum - Common Sassafras.....	310.42	
32 93 43 00-0809	EA	1-3/4" Caliper Sophora japonica - Chinese Scholar.....	158.17	
32 93 43 00-0810	EA	2" Caliper Sophora japonica - Chinese Scholar.....	175.74	
32 93 43 00-0811	EA	2-1/2" Caliper Sophora japonica - Chinese Scholar.....	236.16	
32 93 43 00-0812	EA	3" Caliper Sophora japonica - Chinese Scholar.....	307.55	
32 93 43 00-0813	EA	3-1/2" Caliper Sophora japonica - Chinese Scholar.....	356.98	
32 93 43 00-0814	EA	2" Caliper Taxodium distichum - Common Bald Cypress.....	119.39	
32 93 43 00-0815	EA	2-1/2" Caliper Taxodium distichum - Common Bald Cypress.....	138.49	
32 93 43 00-0816	EA	3" Caliper Taxodium distichum - Common Bald Cypress.....	167.15	
32 93 43 00-0817	EA	3-1/2" Caliper Taxodium distichum - Common Bald Cypress.....	191.03	
32 93 43 00-0818	EA	4" Caliper Taxodium distichum - Common Bald Cypress.....	210.13	
32 93 43 00-0819	EA	6' Clump Form Taxodium distichum - Common Bald Cypress.....	105.06	
32 93 43 00-0820	EA	7' Clump Form Taxodium distichum - Common Bald Cypress.....	119.39	
32 93 43 00-0821	EA	8' Clump Form Taxodium distichum - Common Bald Cypress.....	171.92	
32 93 43 00-0822	EA	10' Clump Form Taxodium distichum - Common Bald Cypress.....	191.03	
32 93 43 00-0823	EA	12' Clump Form Taxodium distichum - Common Bald Cypress.....	214.90	
32 93 43 00-0824	EA	14' Clump Form Taxodium distichum - Common Bald Cypress.....	248.33	
32 93 43 00-0825	EA	16' Clump Form Taxodium distichum - Common Bald Cypress.....	286.54	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0826	EA	2'	Thuja occidentalis - American Arborvitae.....	16.37	
32 93 43 00-0827	EA	2-1/2'	Thuja occidentalis - American Arborvitae.....	17.68	
32 93 43 00-0828	EA	3'	Thuja occidentalis - American Arborvitae.....	25.26	
32 93 43 00-0829	EA	4'	Thuja occidentalis - American Arborvitae.....	34.71	
32 93 43 00-0830	EA	5'	Thuja occidentalis - American Arborvitae.....	48.33	
32 93 43 00-0831	EA	6'	Thuja occidentalis - American Arborvitae.....	67.00	
32 93 43 00-0832	EA	7'	Thuja occidentalis - American Arborvitae.....	81.28	
32 93 43 00-0833	EA	8'	Thuja occidentalis - American Arborvitae.....	114.23	
32 93 43 00-0834	EA	2"	Caliper Tilia americana & cvs - American Linden Basswood.....	119.39	
32 93 43 00-0835	EA	2-1/2"	Caliper Tilia americana & cvs - American Linden Basswood.....	138.49	
32 93 43 00-0836	EA	3"	Caliper Tilia americana & cvs - American Linden Basswood.....	176.70	
32 93 43 00-0837	EA	3-1/2"	Caliper Tilia americana & cvs - American Linden Basswood.....	205.35	
32 93 43 00-0838	EA	4"	Caliper Tilia americana & cvs - American Linden; Basswood.....	234.01	
32 93 43 00-0839	EA	4-1/2"	Caliper Tilia americana & cvs - American Linden Basswood.....	262.66	
32 93 43 00-0840	EA	5"	Caliper Tilia americana & cvs - American Linden Basswood.....	286.54	
32 93 43 00-0841	EA	10'	Clump Form Tilia americana & cvs - American Linden Basswood.....	152.82	
32 93 43 00-0842	EA	12'	Clump Form Tilia americana & cvs - American Linden Basswood.....	167.15	
32 93 43 00-0843	EA	14'	Clump Form Tilia americana & cvs - American Linden Basswood.....	191.03	
32 93 43 00-0844	EA	16'	Clump Form Tilia americana & cvs - American Linden Basswood.....	219.68	
32 93 43 00-0845	EA	2"	Caliper Tilia cordata & cvs - Littleleaf Linden.....	120.11	
32 93 43 00-0846	EA	2-1/2"	Caliper Tilia cordata & cvs - Littleleaf Linden.....	145.08	
32 93 43 00-0847	EA	3"	Caliper Tilia cordata & cvs - Littleleaf Linden.....	167.15	
32 93 43 00-0848	EA	3-1/2"	Caliper Tilia cordata & cvs - Littleleaf Linden.....	205.35	
32 93 43 00-0849	EA	4"	Caliper Tilia cordata & cvs - Littleleaf Linden.....	234.01	
32 93 43 00-0850	EA	4-1/2"	Caliper Tilia cordata & cvs - Littleleaf Linden.....	262.66	
32 93 43 00-0851	EA	5"	Caliper Tilia cordata & cvs - Littleleaf Linden.....	291.31	
32 93 43 00-0852	EA	2"	Caliper Tilia tomentosa & cvs - Silver Linden.....	133.72	
32 93 43 00-0853	EA	2-1/2"	Caliper Tilia tomentosa & cvs - Silver Linden.....	148.05	
32 93 43 00-0854	EA	3"	Caliper Tilia tomentosa & cvs - Silver Linden.....	162.37	
32 93 43 00-0855	EA	3-1/2"	Caliper Tilia tomentosa & cvs - Silver Linden.....	181.47	
32 93 43 00-0856	EA	4"	Caliper Tilia tomentosa & cvs - Silver Linden.....	210.13	
32 93 43 00-0857	EA	4-1/2"	Caliper Tilia tomentosa & cvs - Silver Linden.....	248.33	
32 93 43 00-0858	EA	5"	Caliper Tilia tomentosa & cvs - Silver Linden.....	324.74	
32 93 43 00-0859	EA	2"	Caliper Tilia x euchlora - Crimean Linden.....	133.72	
32 93 43 00-0860	EA	2-1/2"	Caliper Tilia x euchlora - Crimean Linden.....	171.92	
32 93 43 00-0861	EA	3"	Caliper Tilia x euchlora - Crimean Linden.....	210.13	
32 93 43 00-0862	EA	3-1/2"	Caliper Tilia x euchlora - Crimean Linden.....	238.78	
32 93 43 00-0863	EA	4"	Caliper Tilia x euchlora - Crimean Linden.....	267.44	
32 93 43 00-0864	EA	4-1/2"	Caliper Tilia x euchlora - Crimean Linden.....	300.87	
32 93 43 00-0865	EA	5"	Caliper Tilia x euchlora - Crimean Linden.....	324.74	
32 93 43 00-0866	EA	2"	Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	133.72	
32 93 43 00-0867	EA	2-1/2"	Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	152.82	
32 93 43 00-0868	EA	3"	Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	167.15	
32 93 43 00-0869	EA	3-1/2"	Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	181.47	
32 93 43 00-0870	EA	4"	Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	200.58	
32 93 43 00-0871	EA	4-1/2"	Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	238.78	
32 93 43 00-0872	EA	5"	Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	281.76	
32 93 43 00-0873	EA	2"	Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	152.82	
32 93 43 00-0874	EA	2-1/2"	Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	167.15	
32 93 43 00-0875	EA	3"	Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	181.47	
32 93 43 00-0876	EA	3-1/2"	Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	200.58	
32 93 43 00-0877	EA	4"	Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	238.78	
32 93 43 00-0878	EA	4-1/2"	Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	281.76	
32 93 43 00-0879	EA	5"	Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	324.74	
32 93 43 00-0880	EA	2"	Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	152.82	
32 93 43 00-0881	EA	2-1/2"	Mary-Louise Parker Ulmus x 'Regal' - Regal Hybrid Elm.....	167.15	
32 93 43 00-0882	EA	3"	Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	181.47	
32 93 43 00-0883	EA	3-1/2"	Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	200.58	
32 93 43 00-0884	EA	4"	Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	238.78	
32 93 43 00-0885	EA	4-1/2"	Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	281.76	
32 93 43 00-0886	EA	5"	Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	324.74	

32 93 43 00-0887

Evergreen Trees (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0888	EA	6'	Abies balsamea - Balsam Fir.....	62.46	
32 93 43 00-0889	EA	7'	Abies balsamea - Balsam Fir.....	78.08	
32 93 43 00-0890	EA	8'	Abies balsamea - Balsam Fir.....	93.69	
32 93 43 00-0891	EA	9'	Abies balsamea - Balsam Fir.....	124.92	
32 93 43 00-0892	EA	10'	Abies balsamea - Balsam Fir.....	156.15	
32 93 43 00-0893	EA	12'	Abies balsamea - Balsam Fir.....	187.38	
32 93 43 00-0894	EA	6'	Abies concolor - White Fir.....	90.57	
32 93 43 00-0895	EA	7'	Abies concolor - White Fir.....	103.06	
32 93 43 00-0896	EA	8'	Abies concolor - White Fir.....	121.80	
32 93 43 00-0897	EA	9'	Abies concolor - White Fir.....	140.54	
32 93 43 00-0898	EA	10'	Abies concolor - White Fir.....	165.52	
32 93 43 00-0899	EA	12'	Abies concolor - White Fir.....	203.00	
32 93 43 00-0900	EA	14'	Abies concolor - White Fir.....	249.84	
32 93 43 00-0901	EA	16'	Abies concolor - White Fir.....	281.07	
32 93 43 00-0902	EA	6'	Abies fraseri - Fraser Fir.....	62.46	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 43 00-0903	EA	7'	Abies fraseri - Frasier Fir.....	78.08	
32 93 43 00-0904	EA	8'	Abies fraseri - Frasier Fir.....	93.69	
32 93 43 00-0905	EA	9'	Abies fraseri - Frasier Fir.....	124.92	
32 93 43 00-0906	EA	10'	Abies fraseri - Frasier Fir.....	156.15	
32 93 43 00-0907	EA	12'	Abies fraseri - Frasier Fir.....	187.38	
32 93 43 00-0908	EA	2' To 3'	Cedrus atlantica - Blue Atlas Cedar.....	11.25	
32 93 43 00-0909	EA	3' To 4'	Cedrus atlantica - Blue Atlas Cedar.....	18.08	
32 93 43 00-0910	EA	4' To 5'	Cedrus atlantica - Blue Atlas Cedar.....	26.87	
32 93 43 00-0911	EA	5' To 6'	Cedrus atlantica - Blue Atlas Cedar.....	36.15	
32 93 43 00-0912	EA	7' To 8'	Cedrus atlantica - Blue Atlas Cedar.....	51.32	
32 93 43 00-0913	EA	6'	Cedrus decurrens - Incese Cedar.....	52.44	
32 93 43 00-0914	EA	8'	Cedrus decurrens - Incese Cedar.....	108.46	
32 93 43 00-0915	EA	10'	Cedrus decurrens - Incese Cedar.....	143.66	
32 93 43 00-0916	EA	12'	Cedrus decurrens - Incese Cedar.....	190.35	
32 93 43 00-0917	EA	6' To 8'	Cedrus deodara - Indian Cedar.....	46.43	
32 93 43 00-0918	EA	8' To 10'	Cedrus deodara - Indian Cedar.....	53.76	
32 93 43 00-0919	EA	10' To 12'	Cedrus deodara - Indian Cedar.....	73.30	
32 93 43 00-0920	EA	12' To 14'	Cedrus deodara - Indian Cedar.....	95.28	
32 93 43 00-0921	EA	14' To 16'	Cedrus deodara - Indian Cedar.....	122.18	
32 93 43 00-0922	EA	15" To 18"	Chamaecyparis obtusa - Compact Hinoki Cypress.....	14.51	
32 93 43 00-0923	EA	18" To 24"	Chamaecyparis obtusa - Compact Hinoki Cypress.....	21.77	
32 93 43 00-0924	EA	2' To 3'	Chamaecyparis obtusa - Compact Hinoki Cypress.....	33.87	
32 93 43 00-0925	EA	3' To 4'	Chamaecyparis obtusa - Compact Hinoki Cypress.....	58.06	
32 93 43 00-0926	EA	4' To 5'	Chamaecyparis pisifera - Sawara Cypress.....	17.59	
32 93 43 00-0927	EA	5' To 6'	Chamaecyparis pisifera - Sawara Cypress.....	27.38	
32 93 43 00-0928	EA	6' To 7'	Chamaecyparis pisifera - Sawara Cypress.....	34.20	
32 93 43 00-0929	EA	7' To 8'	Chamaecyparis pisifera - Sawara Cypress.....	48.88	
32 93 43 00-0930	EA	1	Gallon Cleyera japonica - Japanese Cleyera.....	1.98	
32 93 43 00-0931	EA	3	Gallon Cleyera japonica - Japanese Cleyera.....	4.97	
32 93 43 00-0932	EA	7	Gallon Cleyera japonica - Japanese Cleyera.....	14.23	
32 93 43 00-0933	EA	5	Gallon Cupressocyparis leylandii - Leyland Cypress.....	7.99	
32 93 43 00-0934	EA	15	Gallon Cupressocyparis leylandii - Leyland Cypress.....	31.94	
32 93 43 00-0935	EA	4' To 5'	Cupressocyparis leylandii - Leyland Cypress.....	13.97	
32 93 43 00-0936	EA	5' To 6'	Cupressocyparis leylandii - Leyland Cypress.....	17.97	
32 93 43 00-0937	EA	6' To 7'	Cupressocyparis leylandii - Leyland Cypress.....	27.95	
32 93 43 00-0938	EA	24"	Box Cupressocyparis leylandii - Leyland Cypress.....	67.88	
32 93 43 00-0939	EA	1	Gallon Cupressus macrocarpa - Monterey Cypress.....	1.46	
32 93 43 00-0940	EA	5	Gallon Cupressus macrocarpa - Monterey Cypress.....	6.55	
32 93 43 00-0941	EA	15	Gallon Cupressus macrocarpa - Monterey Cypress.....	21.84	
32 93 43 00-0942	EA	5	Gallon Cupressus sempervirens - Italian Cypress.....	7.52	
32 93 43 00-0943	EA	15	Gallon Cupressus sempervirens - Italian Cypress.....	20.67	
32 93 43 00-0944	EA	1	Gallon Illicium anisatum - Anise Tree.....	2.15	
32 93 43 00-0945	EA	3	Gallon Illicium anisatum - Anise Tree.....	4.97	
32 93 43 00-0946	EA	1	Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper.....	2.21	
32 93 43 00-0947	EA	2	Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper.....	4.32	
32 93 43 00-0948	EA	3	Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper.....	5.35	
32 93 43 00-0949	EA	5	Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper.....	6.29	
32 93 43 00-0950	EA	1	Gallon Juniperus - Blue Sargent Juniper.....	2.21	
32 93 43 00-0951	EA	2	Gallon Juniperus - Blue Sargent Juniper.....	4.32	
32 93 43 00-0952	EA	3	Gallon Juniperus - Blue Sargent Juniper.....	5.35	
32 93 43 00-0953	EA	5	Gallon Juniperus - Blue Sargent Juniper.....	6.29	
32 93 43 00-0954	EA	5	Gallon Juniperus - Compact Pfitzer Juniper.....	6.29	
32 93 43 00-0955	EA	15" To 18"	Juniperus - Compact Pfitzer Juniper.....	6.81	
32 93 43 00-0956	EA	18" To 24"	Juniperus - Compact Pfitzer Juniper.....	8.22	
32 93 43 00-0957	EA	2' To 2 1/2'	Juniperus - Compact Pfitzer Juniper.....	12.21	
32 93 43 00-0958	EA	2-1/2' To 3'	Juniperus - Compact Pfitzer Juniper.....	14.14	
32 93 43 00-0959	EA	5' To 6'	Juniperus - Fairview Juniper.....	21.06	
32 93 43 00-0960	EA	1	Gallon Juniperus - Hollywood Juniper.....	2.82	
32 93 43 00-0961	EA	5	Gallon Juniperus - Hollywood Juniper.....	7.84	
32 93 43 00-0962	EA	15	Gallon Juniperus - Hollywood Juniper.....	33.26	
32 93 43 00-0963	EA	4' To 5'	Juniperus - Hollywood Juniper.....	21.98	
32 93 43 00-0964	EA	5' To 6'	Juniperus - Hollywood Juniper.....	28.32	
32 93 43 00-0965	EA	1	Gallon Juniperus - Parson's Juniper.....	2.21	
32 93 43 00-0966	EA	2	Gallon Juniperus - Parson's Juniper.....	4.37	
32 93 43 00-0967	EA	3	Gallon Juniperus - Parson's Juniper.....	5.40	
32 93 43 00-0968	EA	5	Gallon Juniperus - Parson's Juniper.....	6.39	
32 93 43 00-0969	EA	5	Gallon Juniperus - Skyrocket Juniper.....	7.89	
32 93 43 00-0970	EA	15	Gallon Juniperus - Skyrocket Juniper.....	33.59	
32 93 43 00-0971	EA	2' To 3'	Juniperus - Skyrocket Juniper.....	11.84	
32 93 43 00-0972	EA	3' To 4'	Juniperus - Skyrocket Juniper.....	16.77	
32 93 43 00-0973	EA	4' To 5'	Juniperus - Skyrocket Juniper.....	22.22	
32 93 43 00-0974	EA	5' To 6'	Juniperus - Skyrocket Juniper.....	28.65	
32 93 43 00-0975	EA	6' To 8'	Juniperus - Skyrocket Juniper.....	37.01	
32 93 43 00-0976	EA	1	Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper.....	2.21	
32 93 43 00-0977	EA	2	Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper.....	4.35	
32 93 43 00-0978	EA	3	Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper.....	5.33	
32 93 43 00-0979	EA	5	Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper.....	6.32	
32 93 43 00-0980	EA	1	Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper.....	2.21	
32 93 43 00-0981	EA	2	Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper.....	4.35	
32 93 43 00-0982	EA	3	Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper.....	5.33	
32 93 43 00-0983	EA	5	Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper.....	6.32	



**Exterior Improvements 32**

Planting 32 90

Plants 32 93

32

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 93 43 00-0984	EA 2' To 3' Juniperus virginiana - Eastern Red Cedar.....	11.84	
32 93 43 00-0985	EA 3' To 4' Juniperus virginiana - Eastern Red Cedar.....	16.77	
32 93 43 00-0986	EA 4' To 5' Juniperus virginiana - Eastern Red Cedar.....	22.22	
32 93 43 00-0987	EA 5' To 6' Juniperus virginiana - Eastern Red Cedar.....	28.65	
32 93 43 00-0988	EA 6' Melaleuca linariifolia - Flaxleaf Paperbark.....	150.84	
32 93 43 00-0989	EA 8' Melaleuca linariifolia - Flaxleaf Paperbark.....	201.12	
32 93 43 00-0990	EA 10' Melaleuca linariifolia - Flaxleaf Paperbark.....	251.40	
32 93 43 00-0991	EA 12' Melaleuca linariifolia - Flaxleaf Paperbark.....	301.69	
32 93 43 00-0992	EA 24" Box Melaleuca linariifolia - Flaxleaf Paperbark.....	149.41	
32 93 43 00-0993	EA 6' Melaleuca quinquenervia - Cajeput Tree.....	150.84	
32 93 43 00-0994	EA 8' Melaleuca quinquenervia - Cajeput Tree.....	201.12	
32 93 43 00-0995	EA 10' Melaleuca quinquenervia - Cajeput Tree.....	251.40	
32 93 43 00-0996	EA 12' Melaleuca quinquenervia - Cajeput Tree.....	301.69	
32 93 43 00-0997	EA 24" Box Melaleuca quinquenervia - Cajeput Tree.....	84.04	
32 93 43 00-0998	EA 30" Box Melaleuca quinquenervia - Cajeput Tree.....	211.90	
32 93 43 00-0999	EA 36" Box Melaleuca quinquenervia - Cajeput Tree.....	334.01	
32 93 43 00-1000	EA 4' Metrosideros excelsus - New Zealand Christmas Tree.....	44.53	
32 93 43 00-1001	EA 5' Metrosideros excelsus - New Zealand Christmas Tree.....	60.34	
32 93 43 00-1002	EA 6' Metrosideros excelsus - New Zealand Christmas Tree.....	102.72	
32 93 43 00-1003	EA 8' Metrosideros excelsus - New Zealand Christmas Tree.....	127.14	
32 93 43 00-1004	EA 24" Box Metrosideros excelsus - New Zealand Christmas Tree.....	158.17	
32 93 43 00-1005	EA 5' Picea abies & cvs - Norway Spruce.....	68.71	
32 93 43 00-1006	EA 6' Picea abies & cvs - Norway Spruce.....	78.08	
32 93 43 00-1007	EA 7' Picea abies & cvs - Norway Spruce.....	93.69	
32 93 43 00-1008	EA 8' Picea abies & cvs - Norway Spruce.....	109.31	
32 93 43 00-1009	EA 9' Picea abies & cvs - Norway Spruce.....	146.78	
32 93 43 00-1010	EA 10' Picea abies & cvs - Norway Spruce.....	178.01	
32 93 43 00-1011	EA 12' Picea abies & cvs - Norway Spruce.....	218.61	
32 93 43 00-1012	EA 14' Picea abies & cvs - Norway Spruce.....	265.46	
32 93 43 00-1013	EA 6' Picea glauca - White Spruce.....	65.58	
32 93 43 00-1014	EA 7' Picea glauca - White Spruce.....	93.69	
32 93 43 00-1015	EA 8' Picea glauca - White Spruce.....	109.31	
32 93 43 00-1016	EA 9' Picea glauca - White Spruce.....	131.17	
32 93 43 00-1017	EA 10' Picea glauca - White Spruce.....	156.15	
32 93 43 00-1018	EA 12' Picea glauca - White Spruce.....	187.38	
32 93 43 00-1019	EA 4' Picea glauca densata - Black Hills Spruce.....	37.48	
32 93 43 00-1020	EA 5' Picea glauca densata - Black Hills Spruce.....	56.21	
32 93 43 00-1021	EA 6' Picea glauca densata - Black Hills Spruce.....	84.32	
32 93 43 00-1022	EA 7' Picea glauca densata - Black Hills Spruce.....	99.94	
32 93 43 00-1023	EA 8' Picea glauca densata - Black Hills Spruce.....	115.55	
32 93 43 00-1024	EA 9' Picea glauca densata - Black Hills Spruce.....	128.04	
32 93 43 00-1025	EA 10' Picea glauca densata - Black Hills Spruce.....	140.54	
32 93 43 00-1026	EA 6' Picea omorika & cvs - Serbian Spruce.....	84.32	
32 93 43 00-1027	EA 7' Picea omorika & cvs - Serbian Spruce.....	93.69	
32 93 43 00-1028	EA 8' Picea omorika & cvs - Serbian Spruce.....	112.43	
32 93 43 00-1029	EA 9' Picea omorika & cvs - Serbian Spruce.....	131.17	
32 93 43 00-1030	EA 10' Picea omorika & cvs - Serbian Spruce.....	149.91	
32 93 43 00-1031	EA 5' Picea pungens - Colorado Green Spruce.....	68.71	
32 93 43 00-1032	EA 6' Picea pungens - Colorado Green Spruce.....	87.45	
32 93 43 00-1033	EA 7' Picea pungens - Colorado Green Spruce.....	103.06	
32 93 43 00-1034	EA 8' Picea pungens - Colorado Green Spruce.....	118.68	
32 93 43 00-1035	EA 9' Picea pungens - Colorado Green Spruce.....	137.41	
32 93 43 00-1036	EA 10' Picea pungens - Colorado Green Spruce.....	259.21	
32 93 43 00-1037	EA 12' Picea pungens - Colorado Green Spruce.....	187.38	
32 93 43 00-1038	EA 14' Picea pungens - Colorado Green Spruce.....	218.61	
32 93 43 00-1039	EA 16' Picea pungens - Colorado Green Spruce.....	281.07	
32 93 43 00-1040	EA 5' Picea pungens glauca & cvs - Colorado Blue Spruce.....	68.71	
32 93 43 00-1041	EA 6' Picea pungens glauca & cvs - Colorado Blue Spruce.....	93.69	
32 93 43 00-1042	EA 7' Picea pungens glauca & cvs - Colorado Blue Spruce.....	109.31	
32 93 43 00-1043	EA 8' Picea pungens glauca & cvs - Colorado Blue Spruce.....	124.92	
32 93 43 00-1044	EA 9' Picea pungens glauca & cvs - Colorado Blue Spruce.....	140.54	
32 93 43 00-1045	EA 10' Picea pungens glauca & cvs - Colorado Blue Spruce.....	171.77	
32 93 43 00-1046	EA 12' Picea pungens glauca & cvs - Colorado Blue Spruce.....	218.61	
32 93 43 00-1047	EA 16' Picea pungens glauca & cvs - Colorado Blue Spruce.....	327.92	
32 93 43 00-1048	EA 6' Pinus canariensis - Canary Island Pine.....	172.39	
32 93 43 00-1049	EA 8' Pinus canariensis - Canary Island Pine.....	229.86	
32 93 43 00-1050	EA 10' Pinus canariensis - Canary Island Pine.....	287.32	
32 93 43 00-1051	EA 12' Pinus canariensis - Canary Island Pine.....	344.78	
32 93 43 00-1052	EA 24" Box Pinus canariensis - Canary Island Pine.....	177.42	
32 93 43 00-1053	EA 6' Pinus pinea - Italian Stone Pine.....	172.39	
32 93 43 00-1054	EA 8' Pinus pinea - Italian Stone Pine.....	229.86	
32 93 43 00-1055	EA 10' Pinus pinea - Italian Stone Pine.....	287.32	
32 93 43 00-1056	EA 12' Pinus pinea - Italian Stone Pine.....	344.78	
32 93 43 00-1057	EA 2' Pinus strobus - Pyramidal White Pine.....	8.65	
32 93 43 00-1058	EA 3' Pinus strobus - Pyramidal White Pine.....	11.56	
32 93 43 00-1059	EA 4' Pinus strobus - Pyramidal White Pine.....	12.75	
32 93 43 00-1060	EA 5' Pinus strobus - Pyramidal White Pine.....	13.94	
32 93 43 00-1061	EA 6' Pinus strobus - Pyramidal White Pine.....	17.37	
32 93 43 00-1062	EA 7' Pinus strobus - Pyramidal White Pine.....	23.11	
32 93 43 00-1063	EA 8' Pinus strobus - Pyramidal White Pine.....	31.76	
32 93 43 00-1064	EA 10' Pinus strobus - Pyramidal White Pine.....	63.38	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 43 00-1065	EA	12'	Pinus strobus - Pyramidal White Pine	150.61	
32 93 43 00-1066	EA	14'	Pinus strobus - Pyramidal White Pine	202.06	
32 93 43 00-1067	EA	16'	Pinus strobus - Pyramidal White Pine	243.06	
32 93 43 00-1068	EA	2'	Pinus strobus - White Pine	13.29	
32 93 43 00-1069	EA	3'	Pinus strobus - White Pine	18.96	
32 93 43 00-1070	EA	4'	Pinus strobus - White Pine	30.24	
32 93 43 00-1071	EA	5'	Pinus strobus - White Pine	43.10	
32 93 43 00-1072	EA	6'	Pinus strobus - White Pine	63.21	
32 93 43 00-1073	EA	7'	Pinus strobus - White Pine	75.42	
32 93 43 00-1074	EA	8'	Pinus strobus - White Pine	102.00	
32 93 43 00-1075	EA	10'	Pinus strobus - White Pine	137.20	
32 93 43 00-1076	EA	12'	Pinus strobus - White Pine	181.73	
32 93 43 00-1077	EA	14'	Pinus strobus - White Pine	222.67	
32 93 43 00-1078	EA	16'	Pinus strobus - White Pine	270.80	
32 93 43 00-1079	EA	3'	Pinus sylvestris - Scotch Pine	20.52	
32 93 43 00-1080	EA	4'	Pinus sylvestris - Scotch Pine	28.48	
32 93 43 00-1081	EA	5'	Pinus sylvestris - Scotch Pine	39.98	
32 93 43 00-1082	EA	6'	Pinus sylvestris - Scotch Pine	55.47	
32 93 43 00-1083	EA	7'	Pinus sylvestris - Scotch Pine	67.96	
32 93 43 00-1084	EA	8'	Pinus sylvestris - Scotch Pine	95.94	
32 93 43 00-1085	EA	9'	Pinus sylvestris - Scotch Pine	121.80	
32 93 43 00-1086	EA	10'	Pinus sylvestris - Scotch Pine	140.54	
32 93 43 00-1087	EA	12'	Pinus sylvestris - Scotch Pine	165.52	
32 93 43 00-1088	EA	14'	Pinus sylvestris - Scotch Pine	187.38	
32 93 43 00-1089	EA	16'	Pinus sylvestris - Scotch Pine	218.61	
32 93 43 00-1090	EA	5' To 6'	Pinus taeda - Loblolly Pine	8.93	
32 93 43 00-1091	EA	1	Gallon Pinus thunbergiana - Japanese Black Pine	2.21	
32 93 43 00-1092	EA	5	Gallon Pinus thunbergiana - Japanese Black Pine	7.84	
32 93 43 00-1093	EA	15	Gallon Pinus thunbergiana - Japanese Black Pine	25.41	
32 93 43 00-1094	EA	2' To 3'	Pinus thunbergiana - Japanese Black Pine	10.76	
32 93 43 00-1095	EA	3' To 4'	Pinus thunbergiana - Japanese Black Pine	13.67	
32 93 43 00-1096	EA	4' To 5'	Pinus thunbergiana - Japanese Black Pine	20.53	
32 93 43 00-1097	EA	5' To 6'	Pinus thunbergiana - Japanese Black Pine	40.07	
32 93 43 00-1098	EA	6' To 7'	Pinus thunbergiana - Japanese Black Pine	44.95	
32 93 43 00-1099	EA	7' To 8'	Pinus thunbergiana - Japanese Black Pine	56.18	
32 93 43 00-1100	EA	4'	Pinus cembra - Swiss Stone Pine	53.09	
32 93 43 00-1101	EA	5'	Pinus cembra - Swiss Stone Pine	65.58	
32 93 43 00-1102	EA	6'	Pinus cembra - Swiss Stone Pine	81.20	
32 93 43 00-1103	EA	6'	Pinus flexilis & cvs - Limber Pine	78.08	
32 93 43 00-1104	EA	7'	Pinus flexilis & cvs - Limber Pine	90.57	
32 93 43 00-1105	EA	8'	Pinus flexilis & cvs - Limber Pine	112.43	
32 93 43 00-1106	EA	9'	Pinus flexilis & cvs - Limber Pine	137.41	
32 93 43 00-1107	EA	10'	Pinus flexilis & cvs - Limber Pine	156.15	
32 93 43 00-1108	EA	1	Gallon Pinus mugo - Mugho Pine	2.91	
32 93 43 00-1109	EA	2	Gallon Pinus mugo - Mugho Pine	6.15	
32 93 43 00-1110	EA	3	Gallon Pinus mugo - Mugho Pine	7.70	
32 93 43 00-1111	EA	5	Gallon Pinus mugo - Mugho Pine	9.77	
32 93 43 00-1112	EA	12" To 15"	Spread Pinus mugo - Mugho Pine	7.56	
32 93 43 00-1113	EA	15" To 18"	Spread Pinus mugo - Mugho Pine	9.02	
32 93 43 00-1114	EA	18" To 24"	Spread Pinus mugo - Mugho Pine	12.21	
32 93 43 00-1115	EA	2' To 2-1/2'	Spread Pinus mugo - Mugho Pine	17.10	
32 93 43 00-1116	EA	2-1/2' To 3'	Spread Pinus mugo - Mugho Pine	21.98	
32 93 43 00-1117	EA	3' To 3-1/2'	Spread Pinus mugo - Mugho Pine	27.38	
32 93 43 00-1118	EA	3-1/2' To 4'	Spread Pinus mugo - Mugho Pine	33.26	
32 93 43 00-1119	EA	6'	Pinus nigra - Austrian Pine	78.08	
32 93 43 00-1120	EA	7'	Pinus nigra - Austrian Pine	93.69	
32 93 43 00-1121	EA	8'	Pinus nigra - Austrian Pine	121.80	
32 93 43 00-1122	EA	9'	Pinus nigra - Austrian Pine	140.54	
32 93 43 00-1123	EA	10'	Pinus nigra - Austrian Pine	165.52	
32 93 43 00-1124	EA	12'	Pinus nigra - Austrian Pine	187.38	
32 93 43 00-1125	EA	14'	Pinus nigra - Austrian Pine	209.24	
32 93 43 00-1126	EA	16'	Pinus nigra - Austrian Pine	237.35	
32 93 43 00-1127	EA	5'	Pinus peuce - Macedonian Pine	96.81	
32 93 43 00-1128	EA	6'	Pinus peuce - Macedonian Pine	121.80	
32 93 43 00-1129	EA	7'	Pinus peuce - Macedonian Pine	140.54	
32 93 43 00-1130	EA	8'	Pinus peuce - Macedonian Pine	159.28	
32 93 43 00-1131	EA	9'	Pinus peuce - Macedonian Pine	184.26	
32 93 43 00-1132	EA	6'	Pittosporum undulatum - Victorian Box	94.82	
32 93 43 00-1133	EA	8'	Pittosporum undulatum - Victorian Box	150.12	
32 93 43 00-1134	EA	10'	Pittosporum undulatum - Victorian Box	197.53	
32 93 43 00-1135	EA	1	Gallon Podocarpus - Chinese Podocarpus	1.46	
32 93 43 00-1136	EA	3	Gallon Podocarpus - Chinese Podocarpus	3.38	
32 93 43 00-1137	EA	7	Gallon Podocarpus - Chinese Podocarpus	9.77	
32 93 43 00-1138	EA	15	Gallon Podocarpus - Chinese Podocarpus	15.88	
32 93 43 00-1139	EA	4' To 5'	Podocarpus - Chinese Podocarpus	24.43	
32 93 43 00-1140	EA	6'	Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	179.58	
32 93 43 00-1141	EA	8'	Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	237.04	
32 93 43 00-1142	EA	10'	Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	301.69	
32 93 43 00-1143	EA	12'	Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	359.15	
32 93 43 00-1144	EA	24"	Box Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	84.04	
32 93 43 00-1145	EA	1	Gallon Podocarpus macrophyllus - Yew Pine	3.34	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1146	EA		3 Gallon Podocarpus macrophyllus - Yew Pine	7.83	
32 93 43 00-1147	EA		5 Gallon Podocarpus macrophyllus - Yew Pine	10.27	
32 93 43 00-1148	EA		15 Gallon Podocarpus macrophyllus - Yew Pine	44.53	
32 93 43 00-1149	EA		24" Box Podocarpus macrophyllus - Yew Pine	86.20	
32 93 43 00-1150	EA		5' Pseudotsuga menziesii - Douglas Fir	62.46	
32 93 43 00-1151	EA		6' Pseudotsuga menziesii - Douglas Fir	74.95	
32 93 43 00-1152	EA		7' Pseudotsuga menziesii - Douglas Fir	93.69	
32 93 43 00-1153	EA		8' Pseudotsuga menziesii - Douglas Fir	112.43	
32 93 43 00-1154	EA		9' Pseudotsuga menziesii - Douglas Fir	140.54	
32 93 43 00-1155	EA		10' Pseudotsuga menziesii - Douglas Fir	165.52	
32 93 43 00-1156	EA		12' Pseudotsuga menziesii - Douglas Fir	187.38	
32 93 43 00-1157	EA		24" Box Rhus lancea - African Sumac	88.71	
32 93 43 00-1158	EA		30" Box Rhus lancea - African Sumac	143.66	
32 93 43 00-1159	EA		8' Rhus lancea - African Sumac	215.49	
32 93 43 00-1160	EA		10' Rhus lancea - African Sumac	240.63	
32 93 43 00-1161	EA		12' Rhus lancea - African Sumac	287.32	
32 93 43 00-1162	EA		5' To 6' Sequoia sempervirens - Dawn Redwood	30.53	
32 93 43 00-1163	EA		6' To 8' Sequoia sempervirens - Dawn Redwood	41.22	
32 93 43 00-1164	EA		8' To 10' Sequoia sempervirens - Dawn Redwood	50.38	
32 93 43 00-1165	EA		3' To 4' Thuja occidentalis 'Wareana' - Siberian Arborvitae	5.89	
32 93 43 00-1166	EA		5' To 6' Taxodium distichum & cvs - Bald Cypress	21.70	
32 93 43 00-1167	EA		6' To 7' Taxodium distichum & cvs - Bald Cypress	27.13	
32 93 43 00-1168	EA		7' To 8' Taxodium distichum & cvs - Bald Cypress	33.54	
32 93 43 00-1169	EA		8' To 10' Taxodium distichum & cvs - Bald Cypress	42.44	
32 93 43 00-1170	EA		6' Tsuga canadensis - Northern Hemlock	62.46	
32 93 43 00-1171	EA		7' Tsuga canadensis - Northern Hemlock	78.08	
32 93 43 00-1172	EA		8' Tsuga canadensis - Northern Hemlock	106.18	
32 93 43 00-1173	EA		9' Tsuga canadensis - Northern Hemlock	124.92	
32 93 43 00-1174	EA		10' Tsuga canadensis - Northern Hemlock	140.54	
32 93 43 00-1175	EA		12' Tsuga canadensis - Northern Hemlock	156.15	
32 93 43 00-1176	EA		3' To 4' Thuja occidentalis 'Woodwardii' - Woodward Arborvitae	39.48	

32 93 43 00-1177

Palm And Subtropical Trees (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-1178	EA		9' Ptychosperma elegans - Alexander Palm, Solitaire Palm	138.16	
32 93 43 00-1179	EA		4' To 5' Archontophoenix cunninghamiana - King Palm	91.19	
32 93 43 00-1180	EA		6' To 8' Archontophoenix cunninghamiana - King Palm	141.85	
32 93 43 00-1181	EA		8' To 10' Archontophoenix cunninghamiana - King Palm	182.38	
32 93 43 00-1182	EA		10' To 12' Archontophoenix cunninghamiana - King Palm	243.17	
32 93 43 00-1183	EA		10' To 16' Sabal palmetto - Cabbage Palm	142.44	
32 93 43 00-1184	EA		12' To 16' Cocos nucifera - Coconut Palm	388.47	
32 93 43 00-1185	EA		3' To 4' Chamaedorea radicalis - Dwarf Bamboo Palm	193.43	
32 93 43 00-1186	EA		5' To 6' Chamaedorea radicalis - Dwarf Bamboo Palm	303.96	
32 93 43 00-1187	EA		3' To 4' Chamaerops humilis - European Fan Palm	165.80	
32 93 43 00-1188	EA		5' To 6' Chamaerops humilis - European Fan Palm	221.06	
32 93 43 00-1189	EA		7' To 8' Chamaerops humilis - European Fan Palm	515.82	
32 93 43 00-1190	EA		9' To 10' Chamaerops humilis - European Fan Palm	884.26	
32 93 43 00-1191	EA		6' To 7' Thrinax morrisii - Key Thatch Palm	386.86	
32 93 43 00-1192	EA		8' To 9' Thrinax morrisii - Key Thatch Palm	497.39	
32 93 43 00-1193	EA		10' To 11' Thrinax morrisii - Key Thatch Palm	607.93	
32 93 43 00-1194	EA		4' To 5' Rhaps excelsa - Lady Palm	350.02	
32 93 43 00-1195	EA		6' To 7' Rhaps excelsa - Lady Palm	497.39	
32 93 43 00-1196	EA		6' To 7' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	128.95	
32 93 43 00-1197	EA		8' To 10' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	257.91	
32 93 43 00-1198	EA		10' To 12' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	331.60	
32 93 43 00-1199	EA		12' To 14' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	460.55	
32 93 43 00-1200	EA		4' To 5' Arecastrum romanzoffianum - Queen Palm	69.08	
32 93 43 00-1201	EA		6' To 8' Arecastrum romanzoffianum - Queen Palm	96.72	
32 93 43 00-1202	EA		8' To 10' Arecastrum romanzoffianum - Queen Palm	124.35	
32 93 43 00-1203	EA		10' To 12' Arecastrum romanzoffianum - Queen Palm	151.98	
32 93 43 00-1204	EA		12' To 14' Arecastrum romanzoffianum - Queen Palm	184.22	
32 93 43 00-1205	EA		14' To 16' Arecastrum romanzoffianum - Queen Palm	230.28	
32 93 43 00-1206	EA		8' To 9' Roystonea regia - Royal Palm	281.86	
32 93 43 00-1207	EA		10' To 11' Roystonea regia - Royal Palm	344.49	
32 93 43 00-1208	EA		12' To 13' Roystonea regia - Royal Palm	407.13	
32 93 43 00-1209	EA		14' To 15' Roystonea regia - Royal Palm	469.76	
32 93 43 00-1210	EA		16' To 17' Roystonea regia - Royal Palm	532.40	
32 93 43 00-1211	EA		18' To 19' Roystonea regia - Royal Palm	595.03	
32 93 43 00-1212	EA		20' To 21' Roystonea regia - Royal Palm	657.67	
32 93 43 00-1213	EA		11' Ptychosperma elegans - Alexander Palm, Solitaire Palm	230.28	
32 93 43 00-1214	EA		15' Ptychosperma elegans - Alexander Palm, Solitaire Palm	350.02	
32 93 43 00-1215	EA		17' Ptychosperma elegans - Alexander Palm, Solitaire Palm	396.07	
32 93 43 00-1216	EA		20' Ptychosperma elegans - Alexander Palm, Solitaire Palm	460.55	
32 93 43 00-1217	EA		4' To 5' Bauninia blakeana - Hong Kong Orchid	396.07	
32 93 43 00-1218	EA		6' Bauninia blakeana - Hong Kong Orchid	469.76	
32 93 43 00-1219	EA		8' Bauninia blakeana - Hong Kong Orchid	626.35	
32 93 43 00-1220	EA		10' Bauninia blakeana - Hong Kong Orchid	782.94	
32 93 43 00-1221	EA		4' To 5' Acacia baileyana - Bailey Acacia	219.68	
32 93 43 00-1222	EA		6' Acacia baileyana - Bailey Acacia	263.62	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 43 00-1223	EA	8' Acacia baileyana - Bailey Acacia	307.55	
32 93 43 00-1224	EA	10' Acacia baileyana - Bailey Acacia	384.44	
32 93 43 00-1225	EA	6' Agonis flexuosa - Peppermint Tree	131.81	
32 93 43 00-1226	EA	8' Agonis flexuosa - Peppermint Tree	164.76	
32 93 43 00-1227	EA	10' Agonis flexuosa - Peppermint Tree	197.71	
32 93 43 00-1228	EA	24" Box Agonis flexuosa - Peppermint Tree	164.21	
32 93 43 00-1229	EA	6' Bauhinia purpurea - Purple Orchid Tree	497.39	
32 93 43 00-1230	EA	8' Bauhinia purpurea - Purple Orchid Tree	663.19	
32 93 43 00-1231	EA	10' Bauhinia purpurea - Purple Orchid Tree	828.99	
32 93 43 00-1232	EA	24" Box Bauhinia purpurea - Purple Orchid Tree	215.54	
32 93 43 00-1233	EA	6' Bauhinia variegata candida - White Orchid Tree	552.66	
32 93 43 00-1234	EA	8' Bauhinia variegata candida - White Orchid Tree	736.88	
32 93 43 00-1235	EA	10' Bauhinia variegata candida - White Orchid Tree	921.10	
32 93 43 00-1236	EA	6' Callistemon citrinus - Crimson or Lemon Bottle Brush	296.57	
32 93 43 00-1237	EA	8' Callistemon citrinus - Crimson or Lemon Bottle Brush	395.42	
32 93 43 00-1238	EA	10' Callistemon citrinus - Crimson or Lemon Bottle Brush	494.28	
32 93 43 00-1239	EA	6' Eriobotrya deflexa - Bronze Loquat	497.39	
32 93 43 00-1240	EA	8' Eriobotrya deflexa - Bronze Loquat	663.19	
32 93 43 00-1241	EA	10' Eriobotrya deflexa - Bronze Loquat	828.99	
32 93 43 00-1242	EA	6' Eucalyptus erythrocorys - Red Cap Gum	497.39	
32 93 43 00-1243	EA	8' Eucalyptus erythrocorys - Red Cap Gum	663.19	
32 93 43 00-1244	EA	10' Eucalyptus erythrocorys - Red Cap Gum	828.99	
32 93 43 00-1245	EA	6' Eucalyptus torquata - Coral Gum	497.39	
32 93 43 00-1246	EA	8' Eucalyptus torquata - Coral Gum	663.19	
32 93 43 00-1247	EA	10' Eucalyptus torquata - Coral Gum	828.99	
32 93 43 00-1248	EA	8' Fraxinus oxycarpa "Raywood" - Raywood Ash	307.55	
32 93 43 00-1249	EA	10' Fraxinus oxycarpa "Raywood" - Raywood Ash	417.39	
32 93 43 00-1250	EA	12' Fraxinus oxycarpa "Raywood" - Raywood Ash	516.25	
32 93 43 00-1251	EA	6' Washingtonia robusta - Mexican Fan Palm	497.39	
32 93 43 00-1252	EA	8' Washingtonia robusta - Mexican Fan Palm	663.19	
32 93 43 00-1253	EA	10' Washingtonia robusta - Mexican Fan Palm	828.99	
32 93 43 00-1254	EA	12' Washingtonia robusta - Mexican Fan Palm	994.79	
32 93 43 00-1255	EA	6' Olea europaea - Olive "Fruitless"	193.94	
32 93 43 00-1256	EA	8' Olea europaea - Olive "Fruitless"	258.59	
32 93 43 00-1257	EA	10' Olea europaea - Olive "Fruitless"	323.24	
32 93 43 00-1258	EA	12' Olea europaea - Olive "Fruitless"	387.88	
32 93 43 00-1259	EA	24" Box Olea europaea - Olive "Fruitless"	238.48	
32 93 43 00-1260	EA	6' Eucalyptus polyanthemos - Silver Dollar Gum	497.39	
32 93 43 00-1261	EA	8' Eucalyptus polyanthemos - Silver Dollar Gum	663.19	
32 93 43 00-1262	EA	10' Eucalyptus polyanthemos - Silver Dollar Gum	828.99	
32 93 43 00-1263	EA	6' Eucalyptus leucoxylon - White Ironbark	497.39	
32 93 43 00-1264	EA	8' Eucalyptus leucoxylon - White Ironbark	663.19	
32 93 43 00-1265	EA	10' Eucalyptus leucoxylon - White Ironbark	828.99	
32 93 43 00-1266	EA	12' Eucalyptus leucoxylon - White Ironbark	994.79	
32 93 43 00-1267	EA	6' Callistemon viminalis - Weeping Bottle Brush	296.57	
32 93 43 00-1268	EA	8' Callistemon viminalis - Weeping Bottle Brush	395.42	
32 93 43 00-1269	EA	10' Callistemon viminalis - Weeping Bottle Brush	494.28	
32 93 43 00-1270	EA	12' Callistemon viminalis - Weeping Bottle Brush	593.14	
32 93 43 00-1271	EA	6' Eucalyptus gunnii - Cider Gum	497.39	
32 93 43 00-1272	EA	8' Eucalyptus gunnii - Cider Gum	663.19	
32 93 43 00-1273	EA	10' Eucalyptus gunnii - Cider Gum	828.99	
32 93 43 00-1274	EA	6' Jacarandra acutifolia - Jacaranda	497.39	
32 93 43 00-1275	EA	8' Jacarandra acutifolia - Jacaranda	663.19	
32 93 43 00-1276	EA	10' Jacarandra acutifolia - Jacaranda	828.99	
32 93 43 00-1277	EA	24" Box Jacarandra acutifolia - Jacaranda	215.54	
32 93 43 00-1278	EA	5 Gallon Pistacia chinensis - Chinese Pistache	33.16	
32 93 43 00-1279	EA	15 Gallon Pistacia chinensis - Chinese Pistache	110.53	
32 93 43 00-1280	EA	24" Box Pistacia chinensis - Chinese Pistache	429.23	
32 93 43 00-1281	EA	36" Box Pistacia chinensis - Chinese Pistache	1,142.16	
32 93 43 00-1282	EA	48" Box Pistacia chinensis - Chinese Pistache	2,431.70	
32 93 43 00-1283	EA	5 Gallon Pyrus kawakamii - Evergreen Pear, Single	20.43	
32 93 43 00-1284	EA	15 Gallon Pyrus kawakamii - Evergreen Pear, Single	68.10	
32 93 43 00-1285	EA	24" Box Pyrus kawakamii - Evergreen Pear, Single	255.93	
32 93 43 00-1286	EA	30" Box Pyrus kawakamii - Evergreen Pear, Single	467.92	
32 93 43 00-1287	EA	36" Box Pyrus kawakamii - Evergreen Pear, Single	681.01	
32 93 43 00-1288	EA	5 Gallon Pyrus kawakamii - Evergreen Pear, Multi	20.43	
32 93 43 00-1289	EA	15 Gallon Pyrus kawakamii - Evergreen Pear, Multi	72.49	
32 93 43 00-1290	EA	24" Box Pyrus kawakamii - Evergreen Pear, Multi	263.62	
32 93 43 00-1291	EA	30" Box Pyrus kawakamii - Evergreen Pear, Multi	467.92	
32 93 43 00-1292	EA	36" Box Pyrus kawakamii - Evergreen Pear, Multi	681.01	

**32 93 83 Planting Of Trees, Shrubs And Ground Cover (32 93)**

Note: Includes moving plant(s) from truck or staging site to planting site, excavation of hole, placing plant in hole, backfill and compaction. Use appropriate gallon, height or caliper size to match with description from plant section.

**32 93 83 00-0001 Planting Trees (32 93 83)**

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

32 93 83 00-0002	EA	3" To 5" Bare Root Seedlings Tree Planting	0.61	
32 93 83 00-0003	EA	6" To 10" Bare Root Seedlings Tree Planting	0.98	
32 93 83 00-0004	EA	11" To 16" Bare Root Seedlings Tree Planting	1.22	
32 93 83 00-0005	EA	17" To 24" Bare Root Seedlings Tree Planting	1.95	



<b>Exterior Improvements</b>		<b>32</b>
<b>Planting</b>		<b>32 90</b>
<b>Plants</b>		<b>32 93</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0006 EA 1 Gallon Container Tree Planting.....	9.74	
For >10 To 25, Deduct	-0.49	
For >25 To 50, Deduct	-1.22	
For >50 To 100, Deduct	-1.95	
For >100, Deduct	-2.92	
32 93 83 00-0007 EA 2 Gallon Container Tree Planting.....	13.64	
For >10 To 25, Deduct	-0.68	
For >25 To 50, Deduct	-1.71	
For >50 To 100, Deduct	-2.73	
For >100, Deduct	-4.09	
32 93 83 00-0008 EA 3 Gallon Container Tree Planting.....	17.54	
For >10 To 25, Deduct	-0.88	
For >25 To 50, Deduct	-2.19	
For >50 To 100, Deduct	-3.51	
For >100, Deduct	-5.26	
32 93 83 00-0009 EA 5 Gallon Container Tree Planting.....	29.22	
For >10 To 25, Deduct	-1.46	
For >25 To 50, Deduct	-3.65	
For >50 To 100, Deduct	-5.84	
For >100, Deduct	-8.77	
32 93 83 00-0010 EA 7 Gallon Container Tree Planting.....	38.97	
For >10 To 25, Deduct	-1.95	
For >25 To 50, Deduct	-4.87	
For >50 To 100, Deduct	-7.79	
For >100, Deduct	-11.69	
32 93 83 00-0011 EA 10 Gallon Container Tree Planting.....	50.65	
For >10 To 25, Deduct	-2.53	
For >25 To 50, Deduct	-6.33	
For >50 To 100, Deduct	-10.13	
For >100, Deduct	-15.20	
32 93 83 00-0012 EA 15 Gallon Container Tree Planting.....	72.08	
For >10 To 25, Deduct	-3.60	
For >25 To 50, Deduct	-9.01	
For >50 To 100, Deduct	-14.42	
For >100, Deduct	-21.62	
32 93 83 00-0013 EA 20 Gallon Container Tree Planting.....	118.84	
For >10 To 25, Deduct	-5.94	
For >25 To 50, Deduct	-14.86	
For >50 To 100, Deduct	-23.77	
For >100, Deduct	-35.65	
32 93 83 00-0014 EA 25 Gallon Container Tree Planting.....	153.91	
For >10 To 25, Deduct	-7.70	
For >25 To 50, Deduct	-19.24	
For >50 To 100, Deduct	-30.78	
For >100, Deduct	-46.17	
32 93 83 00-0015 EA 30 Gallon Container Tree Planting.....	185.08	
For >10 To 25, Deduct	-9.25	
For >25 To 50, Deduct	-23.14	
For >50 To 100, Deduct	-37.02	
For >100, Deduct	-55.52	
32 93 83 00-0016 EA 45 Gallon Container Tree Planting.....	229.89	
For >10 To 25, Deduct	-11.49	
For >25 To 50, Deduct	-28.74	
For >50 To 100, Deduct	-45.98	
For >100, Deduct	-68.97	
32 93 83 00-0017 EA 65 Gallon Container Tree Planting.....	272.75	
For >10 To 25, Deduct	-13.64	
For >25 To 50, Deduct	-34.09	
For >50 To 100, Deduct	-54.55	
For >100, Deduct	-81.83	
32 93 83 00-0018 EA 6' Balled And Burlapped Tree Planting .....	97.41	
For >10 To 25, Deduct	-4.87	
For >25 To 50, Deduct	-12.18	
For >50 To 100, Deduct	-19.48	
For >100, Deduct	-29.22	
32 93 83 00-0019 EA 7' Balled And Burlapped Tree Planting .....	129.76	
For >10 To 25, Deduct	-6.49	
For >25 To 50, Deduct	-16.22	
For >50 To 100, Deduct	-25.95	
For >100, Deduct	-38.93	
32 93 83 00-0020 EA 8' Balled And Burlapped Tree Planting .....	146.12	
For >10 To 25, Deduct	-7.31	
For >25 To 50, Deduct	-18.27	
For >50 To 100, Deduct	-29.22	
For >100, Deduct	-43.84	
32 93 83 00-0021 EA 10' Balled And Burlapped Tree Planting .....	170.47	
For >10 To 25, Deduct	-8.52	
For >25 To 50, Deduct	-21.31	
For >50 To 100, Deduct	-34.09	
For >100, Deduct	-51.14	
32 93 83 00-0022 EA 12' Balled And Burlapped Tree Planting .....	227.94	
For >10 To 25, Deduct	-11.40	
For >25 To 50, Deduct	-28.49	
For >50 To 100, Deduct	-45.59	
For >100, Deduct	-68.38	



**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0023 EA 14' Balled And Burlapped Tree Planting .....	261.07	
For >10 To 25, Deduct	-13.05	
For >25 To 50, Deduct	-32.63	
For >50 To 100, Deduct	-52.21	
For >100, Deduct	-78.32	
32 93 83 00-0024 EA 16' Balled And Burlapped Tree Planting .....	316.60	
For >10 To 25, Deduct	-15.83	
For >25 To 50, Deduct	-39.58	
For >50 To 100, Deduct	-63.32	
For >100, Deduct	-94.98	
32 93 83 00-0025 EA 18' Balled And Burlapped Tree Planting .....	379.91	
For >10 To 25, Deduct	-19.00	
For >25 To 50, Deduct	-47.49	
For >50 To 100, Deduct	-75.98	
For >100, Deduct	-113.97	
32 93 83 00-0026 EA 20' Balled And Burlapped Tree Planting .....	438.36	
For >10 To 25, Deduct	-21.92	
For >25 To 50, Deduct	-54.80	
For >50 To 100, Deduct	-87.67	
For >100, Deduct	-131.51	
32 93 83 00-0027 EA 1-1/2" Caliper Balled And Burlapped Tree Planting .....	146.12	
For >10 To 25, Deduct	-7.31	
For >25 To 50, Deduct	-18.27	
For >50 To 100, Deduct	-29.22	
For >100, Deduct	-43.84	
32 93 83 00-0028 EA 2" Caliper Balled And Burlapped Tree Planting .....	170.47	
For >10 To 25, Deduct	-8.52	
For >25 To 50, Deduct	-21.31	
For >50 To 100, Deduct	-34.09	
For >100, Deduct	-51.14	
32 93 83 00-0029 EA 2-1/2" Caliper Balled And Burlapped Tree Planting .....	228.92	
For >10 To 25, Deduct	-11.45	
For >25 To 50, Deduct	-28.62	
For >50 To 100, Deduct	-45.78	
For >100, Deduct	-68.68	
32 93 83 00-0030 EA 3" Caliper Balled And Burlapped Tree Planting .....	263.02	
For >10 To 25, Deduct	-13.15	
For >25 To 50, Deduct	-32.88	
For >50 To 100, Deduct	-52.60	
For >100, Deduct	-78.91	
32 93 83 00-0031 EA 3-1/2" Caliper Balled And Burlapped Tree Planting .....	292.24	
For >10 To 25, Deduct	-14.61	
For >25 To 50, Deduct	-36.53	
For >50 To 100, Deduct	-58.45	
For >100, Deduct	-87.67	
32 93 83 00-0032 EA 4" Caliper Balled And Burlapped Tree Planting .....	335.10	
For >10 To 25, Deduct	-16.76	
For >25 To 50, Deduct	-41.89	
For >50 To 100, Deduct	-67.02	
For >100, Deduct	-100.53	
<b>32 93 83 00-0033 Planting Shrubs</b> <small>(32 93 83)</small>		
Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.		
32 93 83 00-0034 EA 1 Gallon Container Shrub Planting.....	8.29	
For >10 To 25, Deduct	-0.41	
For >25 To 50, Deduct	-1.04	
For >50 To 100, Deduct	-1.66	
For >100, Deduct	-2.49	
32 93 83 00-0035 EA 2 Gallon Container Shrub Planting.....	11.69	
For >10 To 25, Deduct	-0.58	
For >25 To 50, Deduct	-1.46	
For >50 To 100, Deduct	-2.34	
For >100, Deduct	-3.51	
32 93 83 00-0036 EA 3 Gallon Container Shrub Planting.....	14.61	
For >10 To 25, Deduct	-0.73	
For >25 To 50, Deduct	-1.83	
For >50 To 100, Deduct	-2.92	
For >100, Deduct	-4.38	
32 93 83 00-0037 EA 4 Gallon Container Shrub Planting.....	19.48	
For >10 To 25, Deduct	-0.97	
For >25 To 50, Deduct	-2.44	
For >50 To 100, Deduct	-3.90	
For >100, Deduct	-5.84	
32 93 83 00-0038 EA 5 Gallon Container Shrub Planting.....	24.36	
For >10 To 25, Deduct	-1.22	
For >25 To 50, Deduct	-3.05	
For >50 To 100, Deduct	-4.87	
For >100, Deduct	-7.31	
32 93 83 00-0039 EA 7 Gallon Container Shrub Planting.....	33.13	
For >10 To 25, Deduct	-1.66	
For >25 To 50, Deduct	-4.14	
For >50 To 100, Deduct	-6.63	
For >100, Deduct	-9.94	



		<b>Exterior Improvements</b>	<b>32</b>
		Planting	32 90
		Plants	32 93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0040 EA 10 Gallon Container Shrub Planting .....	43.83	
For >10 To 25, Deduct	-2.19	
For >25 To 50, Deduct	-5.48	
For >50 To 100, Deduct	-8.77	
For >100, Deduct	-13.15	
32 93 83 00-0041 EA 15 Gallon Container Shrub Planting .....	60.40	
For >10 To 25, Deduct	-3.02	
For >25 To 50, Deduct	-7.55	
For >50 To 100, Deduct	-12.08	
For >100, Deduct	-18.12	
32 93 83 00-0042 EA 20 Gallon Container Shrub Planting .....	101.31	
For >10 To 25, Deduct	-5.07	
For >25 To 50, Deduct	-12.66	
For >50 To 100, Deduct	-20.26	
For >100, Deduct	-30.39	
32 93 83 00-0043 EA 25 Gallon Container Shrub Planting .....	129.76	
For >10 To 25, Deduct	-6.49	
For >25 To 50, Deduct	-16.22	
For >50 To 100, Deduct	-25.95	
For >100, Deduct	-38.93	
32 93 83 00-0044 EA 15" Balled And Burlapped Shrub Planting .....	27.27	
For >10 To 25, Deduct	-1.36	
For >25 To 50, Deduct	-3.41	
For >50 To 100, Deduct	-5.45	
For >100, Deduct	-8.18	
32 93 83 00-0045 EA 18" Balled And Burlapped Shrub Planting .....	28.25	
For >10 To 25, Deduct	-1.41	
For >25 To 50, Deduct	-3.53	
For >50 To 100, Deduct	-5.65	
For >100, Deduct	-8.48	
32 93 83 00-0046 EA 24" Balled And Burlapped Shrub Planting .....	31.17	
For >10 To 25, Deduct	-1.56	
For >25 To 50, Deduct	-3.90	
For >50 To 100, Deduct	-6.23	
For >100, Deduct	-9.35	
32 93 83 00-0047 EA 30" Balled And Burlapped Shrub Planting .....	31.17	
For >10 To 25, Deduct	-1.56	
For >25 To 50, Deduct	-3.90	
For >50 To 100, Deduct	-6.23	
For >100, Deduct	-9.35	
32 93 83 00-0048 EA 36" Balled And Burlapped Shrub Planting .....	34.09	
For >10 To 25, Deduct	-1.70	
For >25 To 50, Deduct	-4.26	
For >50 To 100, Deduct	-6.82	
For >100, Deduct	-10.23	
32 93 83 00-0049 EA 42" Balled And Burlapped Shrub Planting .....	36.04	
For >10 To 25, Deduct	-1.80	
For >25 To 50, Deduct	-4.51	
For >50 To 100, Deduct	-7.21	
For >100, Deduct	-10.81	
32 93 83 00-0050 EA 48" Balled And Burlapped Shrub Planting .....	38.97	
For >10 To 25, Deduct	-1.95	
For >25 To 50, Deduct	-4.87	
For >50 To 100, Deduct	-7.79	
For >100, Deduct	-11.69	
32 93 83 00-0051 EA 5' Balled And Burlapped Shrub Planting .....	58.45	
For >10 To 25, Deduct	-2.92	
For >25 To 50, Deduct	-7.31	
For >50 To 100, Deduct	-11.69	
For >100, Deduct	-17.54	
32 93 83 00-0052 EA 6' Balled And Burlapped Shrub Planting .....	82.80	
For >10 To 25, Deduct	-4.14	
For >25 To 50, Deduct	-10.35	
For >50 To 100, Deduct	-16.56	
For >100, Deduct	-24.84	
32 93 83 00-0053 EA 7' Balled And Burlapped Shrub Planting .....	110.08	
For >10 To 25, Deduct	-5.50	
For >25 To 50, Deduct	-13.76	
For >50 To 100, Deduct	-22.02	
For >100, Deduct	-33.02	
32 93 83 00-0054 EA 8' Balled And Burlapped Shrub Planting .....	124.69	
For >10 To 25, Deduct	-6.23	
For >25 To 50, Deduct	-15.59	
For >50 To 100, Deduct	-24.94	
For >100, Deduct	-37.41	
32 93 83 00-0055 EA 9' Balled And Burlapped Shrub Planting .....	134.43	
For >10 To 25, Deduct	-6.72	
For >25 To 50, Deduct	-16.80	
For >50 To 100, Deduct	-26.89	
For >100, Deduct	-40.33	
32 93 83 00-0056 EA 10' Balled And Burlapped Shrub Planting .....	146.12	
For >10 To 25, Deduct	-7.31	
For >25 To 50, Deduct	-18.27	
For >50 To 100, Deduct	-29.22	
For >100, Deduct	-43.84	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0057			<b>Planting Groundcover, Vines, Perennials, Annuals And Bulbs</b> <small>(32 93 83)</small> See CSI section 32 91 13 16-0001 for mulch.		
32 93 83 00-0058	EA		2-1/4" Diameter Potted Groundcover And Flower Planting.....	0.81	
			For >10 To 25, Deduct	-0.04	
			For >25 To 50, Deduct	-0.10	
			For >50 To 100, Deduct	-0.16	
			For >100, Deduct	-0.24	
32 93 83 00-0059	EA		3" Diameter Potted Groundcover And Flower Planting.....	0.92	
			For >10 To 25, Deduct	-0.05	
			For >25 To 50, Deduct	-0.12	
			For >50 To 100, Deduct	-0.18	
			For >100, Deduct	-0.28	
32 93 83 00-0060	EA		4" Diameter Potted Groundcover And Flower Planting.....	1.09	
			For >10 To 25, Deduct	-0.05	
			For >25 To 50, Deduct	-0.14	
			For >50 To 100, Deduct	-0.22	
			For >100, Deduct	-0.33	
32 93 83 00-0061	EA		5-1/2" Diameter Potted Groundcover And Flower Planting.....	1.30	
			For >10 To 25, Deduct	-0.07	
			For >25 To 50, Deduct	-0.16	
			For >50 To 100, Deduct	-0.26	
			For >100, Deduct	-0.39	
32 93 83 00-0062	EA		6" Diameter Potted Groundcover And Flower Planting.....	1.62	
			For >10 To 25, Deduct	-0.08	
			For >25 To 50, Deduct	-0.20	
			For >50 To 100, Deduct	-0.32	
			For >100, Deduct	-0.49	
32 93 83 00-0063	EA		8" Diameter Potted Groundcover And Flower Planting.....	2.43	
			For >10 To 25, Deduct	-0.12	
			For >25 To 50, Deduct	-0.30	
			For >50 To 100, Deduct	-0.49	
			For >100, Deduct	-0.73	
32 93 83 00-0064	EA		1 Gallon Container Groundcover And Flower Planting.....	7.79	
			For >10 To 25, Deduct	-0.39	
			For >25 To 50, Deduct	-0.97	
			For >50 To 100, Deduct	-1.56	
			For >100, Deduct	-2.34	
32 93 83 00-0065	EA		2 Gallon Container Groundcover And Flower Planting.....	10.72	
			For >10 To 25, Deduct	-0.54	
			For >25 To 50, Deduct	-1.34	
			For >50 To 100, Deduct	-2.14	
			For >100, Deduct	-3.22	
32 93 83 00-0066	EA		3 Gallon Container Groundcover And Flower Planting.....	13.64	
			For >10 To 25, Deduct	-0.68	
			For >25 To 50, Deduct	-1.71	
			For >50 To 100, Deduct	-2.73	
			For >100, Deduct	-4.09	
32 93 83 00-0067	EA		4 Gallon Container Groundcover And Flower Planting.....	17.54	
			For >10 To 25, Deduct	-0.88	
			For >25 To 50, Deduct	-2.19	
			For >50 To 100, Deduct	-3.51	
			For >100, Deduct	-5.26	
32 93 83 00-0068	EA		5 Gallon Container Groundcover And Flower Planting.....	21.43	
			For >10 To 25, Deduct	-1.07	
			For >25 To 50, Deduct	-2.68	
			For >50 To 100, Deduct	-4.29	
			For >100, Deduct	-6.43	
32 93 83 00-0069	EA		7 Gallon Container Groundcover And Flower Planting.....	29.22	
			For >10 To 25, Deduct	-1.46	
			For >25 To 50, Deduct	-3.65	
			For >50 To 100, Deduct	-5.84	
			For >100, Deduct	-8.77	
32 93 83 00-0070	EA		Bulb Planting.....	0.48	
			For >10 To 25, Deduct	-0.02	
			For >25 To 50, Deduct	-0.06	
			For >50 To 100, Deduct	-0.10	
			For >100, Deduct	-0.14	
32 93 83 00-0071	EA		Flats Of 24 Groundcover And Flower Planting.....	13.63	
			For >10 To 25, Deduct	-0.68	
			For >25, Deduct	-1.70	
32 93 83 00-0072	EA		Flats Of 36 Groundcover And Flower Planting.....	19.34	
			For >10 To 25, Deduct	-0.97	
			For >25, Deduct	-2.42	
32 93 83 00-0073	EA		Flats Of 48 Groundcover And Flower Planting.....	25.75	
			For >10 To 25, Deduct	-1.29	
			For >25, Deduct	-3.22	
32 93 83 00-0074			<b>Tree Pits</b> <small>(32 93 83)</small> Note: Costs given show the tree pit size accommodates the soil ball and the type of soil excavated includes excavation, bank run sand and gravel fill for drainage, imported mix planting soil, hand backfill, perforated drainage pipe for watering, and drainage fabric. Includes one layer of woven fabric to be applied before mulch is spread. Excludes additional soil conditioners or mulch. See CSI section 32 91 13 16-0001 for appropriate mulch or decorative topping.		
32 93 83 00-0075	EA		2' x 1-1/4' Deep Tree Pit.....	68.39	
32 93 83 00-0076	EA		2' x 2-1/2' Deep Tree Pit.....	102.56	



		<b>Exterior Improvements</b>	<b>32</b>
		Planting	32 90
		Plants	32 93

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0077	EA		2-1/2' x 1-1/2' Deep Tree Pit .....	131.21	
32 93 83 00-0078	EA		2-1/2' x 3' Deep Tree Pit .....	196.79	
32 93 83 00-0079	EA		3' x 1-3/4' Deep Tree Pit .....	204.87	
32 93 83 00-0080	EA		3' x 3-1/2' Deep Tree Pit .....	306.02	
32 93 83 00-0081	EA		3-1/2' x 1-3/4' Deep Tree Pit .....	252.43	
32 93 83 00-0082	EA		3-1/2' x 3-1/2' Deep Tree Pit .....	378.21	
32 93 83 00-0083	EA		4' x 2' Deep Tree Pit .....	302.28	
32 93 83 00-0084	EA		4' x 4' Deep Tree Pit .....	453.21	
32 93 83 00-0085	EA		4-1/2' x 2' Deep Tree Pit .....	437.53	
32 93 83 00-0086	EA		4-1/2' x 4' Deep Tree Pit .....	657.32	
32 93 83 00-0087	EA		5' x 2-1/4' Deep Tree Pit .....	581.91	
32 93 83 00-0088	EA		5' x 4-1/2' Deep Tree Pit .....	868.01	
32 93 83 00-0089	EA		6' x 2-1/2' Deep Tree Pit .....	825.16	
32 93 83 00-0090	EA		6' x 5' Deep Tree Pit .....	1,236.29	
32 93 83 00-0091	EA		7' x 3' Deep Tree Pit .....	1,391.57	
32 93 83 00-0092	EA		7' x 6' Deep Tree Pit .....	2,096.18	
32 93 83 00-0093	EA		8' x 3-1/4' Deep Tree Pit .....	1,919.09	
32 93 83 00-0094	EA		8' x 6-1/2' Deep Tree Pit .....	2,877.65	

**32 94 Planting Accessories** (32 90)

**32 94 13 Landscape Edging** (32 94)

Note: Including stakes.

**32 94 13 00-0001 Landscape Edging** (32 94 13)

Note: Includes stakes.

32 94 13 00-0002	LF		6" Poly/Vinyl Landscape Edging With Non-Round Top .....	3.03	0.50
			<i>For &gt;2,000 To 5,000 LF, Deduct</i>	-0.20	
			<i>For &gt;5,000 LF, Deduct</i>	-0.40	
32 94 13 00-0003	LF		5" Polyethylene Landscape Edging With Round Top .....	1.64	0.50
			<i>For &gt;2,000 To 5,000 LF, Deduct</i>	-0.06	
			<i>For &gt;5,000 LF, Deduct</i>	-0.13	
32 94 13 00-0004	LF		5-1/2" Polyethylene Landscape Edging With Round Top .....	1.68	0.50
			<i>For &gt;2,000 To 5,000 LF, Deduct</i>	-0.07	
			<i>For &gt;5,000 LF, Deduct</i>	-0.13	
32 94 13 00-0005	LF		5" Polyethylene Landscape Edging With Corrugated Sides And Round Top .....	1.70	0.50
			<i>For &gt;2,000 To 5,000 LF, Deduct</i>	-0.07	
			<i>For &gt;5,000 LF, Deduct</i>	-0.14	
32 94 13 00-0006	LF		1/8" x 4", Mill Finish, Aluminum Alloy Landscape Edging .....	4.95	1.19
			<i>For &gt;1,000 LF, Deduct</i>	-0.65	
32 94 13 00-0007	LF		1/8" x 4", Black Paint, Aluminum Alloy Landscape Edging .....	5.48	1.19
			<i>For &gt;1,000 LF, Deduct</i>	-0.78	
32 94 13 00-0008	LF		1/8" x 4", Black Anodized, Aluminum Alloy Landscape Edging .....	5.52	1.19
			<i>For &gt;1,000 LF, Deduct</i>	-0.79	
32 94 13 00-0009	LF		3/16" x 4", Mill Finish, Aluminum Alloy Landscape Edging .....	6.42	1.23
			<i>For &gt;1,000 LF, Deduct</i>	-1.00	
32 94 13 00-0010	LF		3/16" x 4", Black Paint, Aluminum Alloy Landscape Edging .....	7.08	1.23
			<i>For &gt;1,000 LF, Deduct</i>	-1.16	
32 94 13 00-0011	LF		3/16" x 4", Black Anodized, Aluminum Alloy Landscape Edging .....	7.07	1.23
			<i>For &gt;1,000 LF, Deduct</i>	-1.16	
32 94 13 00-0012	LF		1/8" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging .....	5.61	1.27
			<i>For &gt;1,000 LF, Deduct</i>	-0.78	
32 94 13 00-0013	LF		1/8" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging .....	6.35	1.27
			<i>For &gt;1,000 LF, Deduct</i>	-0.96	
32 94 13 00-0014	LF		1/8" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging .....	6.42	1.27
			<i>For &gt;1,000 LF, Deduct</i>	-0.98	
32 94 13 00-0015	LF		3/16" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging .....	7.32	1.31
			<i>For &gt;1,000 LF, Deduct</i>	-1.19	
32 94 13 00-0016	LF		3/16" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging .....	8.05	1.31
			<i>For &gt;1,000 LF, Deduct</i>	-1.37	
32 94 13 00-0017	LF		3/16" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging .....	8.11	1.31
			<i>For &gt;1,000 LF, Deduct</i>	-1.38	
32 94 13 00-0018	LF		1/8" x 4" Powder Coated Steel Landscape Edging .....	5.29	1.23
			<i>For &gt;1,000 LF, Deduct</i>	-0.71	
32 94 13 00-0019	LF		3/16" x 4" Powder Coated Steel Landscape Edging .....	6.37	1.23
			<i>For &gt;1,000 LF, Deduct</i>	-0.98	
32 94 13 00-0020	LF		1/4" x 5" Powder Coated Steel Landscape Edging .....	9.26	1.23
			<i>For &gt;1,000 LF, Deduct</i>	-1.70	
32 94 13 00-0021	LF		1/2" x 4", Recycled Plastic Landscape Edging (Bend-A-Board) .....	3.79	1.19
			<i>For &gt;1,000 LF, Deduct</i>	-0.36	
32 94 13 00-0022	LF		1" x 4", Recycled Plastic Landscape Edging (Bend-A-Board) .....	4.43	1.19
			<i>For &gt;1,000 LF, Deduct</i>	-0.52	
32 94 13 00-0023	LF		1" x 6", Recycled Plastic Landscape Edging (Bend-A-Board) .....	4.99	1.19
			<i>For &gt;1,000 LF, Deduct</i>	-0.66	
32 94 13 00-0024	LF		2" x 4", Recycled Plastic Landscape Edging (Bend-A-Board) .....	5.11	1.19
			<i>For &gt;1,000 LF, Deduct</i>	-0.69	

**32 94 16 Landscape Timbers** (32 94)

32 94 16 00-0001	LF		1" x 4" Redwood Edging .....	2.65	0.69
32 94 16 00-0002	LF		2" x 4" Redwood Edging .....	3.50	1.04
32 94 16 00-0003	LF		4" x 6" Pressure Treated Hardwood .....	6.18	1.38
32 94 16 00-0004	LF		6" x 6" Pressure Treated Hardwood .....	8.33	1.73

**32 Exterior Improvements****32 90 Planting****32 94 Planting Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 16 00-0005	LF		6" x 8" Pressure Treated Hardwood.....	9.64	2.03
32 94 16 00-0006	LF		1" x 4" Pressure Treated Pine.....	1.95	0.69
32 94 16 00-0007	LF		2" x 4" Pressure Treated Pine.....	3.02	1.04
32 94 16 00-0008	LF		4" x 6" Pressure Treated Pine.....	5.83	1.34
32 94 16 00-0009	LF		6" x 6" Pressure Treated Pine.....	8.22	1.73
32 94 16 00-0010	LF		6" x 8" Pressure Treated Pine.....	10.32	2.03
32 94 16 00-0011	LF		6" x 8" Railroad Ties .....	7.49	1.84
32 94 16 00-0012	LF		7" x 9" Railroad Ties .....	8.86	2.32

**32 94 23 Plant Protection (32 94)**

32 94 23 00-0001	SF		Tree Trunk Protection - Hardware Cloth 1/4" Mesh, 23 Gauge.....	1.51	
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**32 94 43 Tree Grates (32 94)****32 94 43 00-0001 Tree Grates With Frames (32 94 43)****32 94 43 00-0002 Round Cast Iron Tree Grates With Frames (32 94 43 00-0001)**

32 94 43 00-0003	EA		32" Diameter, 100 To 150 LB Cast Iron Tree Grate With Frame .....	566.73	23.38
			<i>For &gt;3 To 9, Deduct</i>	-39.00	
			<i>For &gt;9, Deduct</i>	-80.60	
32 94 43 00-0004	EA		36" Diameter, 125 To 175 LB Cast Iron Tree Grate With Frame .....	661.27	23.38
			<i>For &gt;3 To 9, Deduct</i>	-46.09	
			<i>For &gt;9, Deduct</i>	-95.25	
32 94 43 00-0005	EA		42" Diameter, 150 To 200 LB Cast Iron Tree Grate With Frame .....	795.03	31.17
			<i>For &gt;3 To 9, Deduct</i>	-54.95	
			<i>For &gt;9, Deduct</i>	-113.57	
32 94 43 00-0006	EA		48" Diameter, 200 To 250 LB Cast Iron Tree Grate With Frame .....	1,000.79	31.17
			<i>For &gt;3 To 9, Deduct</i>	-70.38	
			<i>For &gt;9, Deduct</i>	-145.46	
32 94 43 00-0007	EA		54" Diameter, 300 To 350 LB Cast Iron Tree Grate With Frame .....	1,284.70	38.97
			<i>For &gt;3 To 9, Deduct</i>	-90.51	
			<i>For &gt;9, Deduct</i>	-187.05	
32 94 43 00-0008	EA		60" Diameter, Up To 350 LB Cast Iron Tree Grate With Frame .....	1,339.22	46.76
			<i>For &gt;3 To 9, Deduct</i>	-93.43	
			<i>For &gt;9, Deduct</i>	-193.09	
32 94 43 00-0009	EA		60" Diameter, >350 LB Cast Iron Tree Grate With Frame .....	1,482.42	46.76
			<i>For &gt;3 To 9, Deduct</i>	-104.17	
			<i>For &gt;9, Deduct</i>	-215.28	
32 94 43 00-0010	EA		72" Diameter, Up To 550 LB Cast Iron Tree Grate With Frame .....	1,967.68	66.23
			<i>For &gt;3 To 9, Deduct</i>	-137.64	
			<i>For &gt;9, Deduct</i>	-284.46	
32 94 43 00-0011	EA		72" Diameter, >500 To 550 LB Cast Iron Tree Grate With Frame .....	2,051.09	66.23
			<i>For &gt;3 To 9, Deduct</i>	-143.90	
			<i>For &gt;9, Deduct</i>	-297.38	
32 94 43 00-0012	EA		72" Diameter, >600 To 650 LB Cast Iron Tree Grate With Frame .....	2,120.61	66.23
			<i>For &gt;3 To 9, Deduct</i>	-149.11	
			<i>For &gt;9, Deduct</i>	-308.16	
32 94 43 00-0013	EA		72" Diameter, >650 To 700 LB Cast Iron Tree Grate With Frame .....	2,176.22	66.23
			<i>For &gt;3 To 9, Deduct</i>	-153.28	
			<i>For &gt;9, Deduct</i>	-316.78	
32 94 43 00-0014	EA		72" Diameter, >700 LB Cast Iron Tree Grate With Frame .....	2,217.93	66.23
			<i>For &gt;3 To 9, Deduct</i>	-156.41	
			<i>For &gt;9, Deduct</i>	-323.24	
32 94 43 00-0015	EA		93" Diameter, 950 To 1,000 LB Cast Iron Tree Grate With Frame .....	2,424.83	77.92
			<i>For &gt;3 To 9, Deduct</i>	-170.17	
			<i>For &gt;9, Deduct</i>	-351.69	

**32 94 43 00-0016 Square Cast Iron Tree Grates With Frames (32 94 43 00-0001)**

32 94 43 00-0017	EA		30" x 30", 75 To 125 LB Cast Iron Tree Grate With Frame .....	519.46	23.38
			<i>For &gt;3 To 9, Deduct</i>	-35.45	
			<i>For &gt;9, Deduct</i>	-73.27	
32 94 43 00-0018	EA		36" x 36", 100 To 150 LB Cast Iron Tree Grate With Frame .....	637.64	23.38
			<i>For &gt;3 To 9, Deduct</i>	-44.32	
			<i>For &gt;9, Deduct</i>	-91.59	
32 94 43 00-0019	EA		48" x 48", Up To 200 LB Cast Iron Tree Grate With Frame .....	939.91	38.97
			<i>For &gt;3 To 9, Deduct</i>	-64.65	
			<i>For &gt;9, Deduct</i>	-133.61	
32 94 43 00-0020	EA		48" x 48", >200 To 250 LB Cast Iron Tree Grate With Frame .....	1,120.64	38.97
			<i>For &gt;3 To 9, Deduct</i>	-78.20	
			<i>For &gt;9, Deduct</i>	-161.62	
32 94 43 00-0021	EA		48" x 48", >250 To 300 LB Cast Iron Tree Grate With Frame .....	1,287.48	38.97
			<i>For &gt;3 To 9, Deduct</i>	-90.72	
			<i>For &gt;9, Deduct</i>	-187.48	
32 94 43 00-0022	EA		48" x 48", >300 To 350 LB Cast Iron Tree Grate With Frame .....	1,440.41	38.97
			<i>For &gt;3 To 9, Deduct</i>	-102.19	
			<i>For &gt;9, Deduct</i>	-211.19	
32 94 43 00-0023	EA		48" x 48", >350 To 400 LB Cast Iron Tree Grate With Frame .....	1,579.44	38.97
			<i>For &gt;3 To 9, Deduct</i>	-112.61	
			<i>For &gt;9, Deduct</i>	-232.74	



<b>Exterior Improvements</b>		<b>32</b>
Planting		32 90
Planting Accessories		32 94

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0024 EA 48" x 48", >400 LB Cast Iron Tree Grate With Frame.....	1,704.57	38.97
For >3 To 9, Deduct	-122.00	
For >9, Deduct	-252.13	
32 94 43 00-0025 EA 60" x 60", Up To 400 LB Cast Iron Tree Grate With Frame.....	1,610.62	54.55
For >3 To 9, Deduct	-112.61	
For >9, Deduct	-232.74	
32 94 43 00-0026 EA 60" x 60", >400 To 450 LB Cast Iron Tree Grate With Frame.....	1,735.75	54.55
For >3 To 9, Deduct	-122.00	
For >9, Deduct	-252.13	
32 94 43 00-0027 EA 60" x 60", >450 To 500 LB Cast Iron Tree Grate With Frame.....	1,846.98	54.55
For >3 To 9, Deduct	-130.34	
For >9, Deduct	-269.37	
32 94 43 00-0028 EA 60" x 60", >500 To 550 LB Cast Iron Tree Grate With Frame.....	1,944.30	54.55
For >3 To 9, Deduct	-137.64	
For >9, Deduct	-284.46	
32 94 43 00-0029 EA 60" x 60", >550 To 600 LB Cast Iron Tree Grate With Frame.....	2,027.71	54.55
For >3 To 9, Deduct	-143.90	
For >9, Deduct	-297.38	
32 94 43 00-0030 EA 60" x 60", >600 LB Cast Iron Tree Grate With Frame.....	2,097.23	54.55
For >3 To 9, Deduct	-149.11	
For >9, Deduct	-308.16	
32 94 43 00-0031 EA 72" x 72", Up To 550 LB Cast Iron Tree Grate With Frame.....	1,967.68	66.23
For >3 To 9, Deduct	-137.64	
For >9, Deduct	-284.46	
32 94 43 00-0032 EA 72" x 72", >550 To 600 LB Cast Iron Tree Grate With Frame.....	2,051.09	66.23
For >3 To 9, Deduct	-143.90	
For >9, Deduct	-297.38	
32 94 43 00-0033 EA 72" x 72", >600 To 650 LB Cast Iron Tree Grate With Frame.....	2,120.61	66.23
For >3 To 9, Deduct	-149.11	
For >9, Deduct	-308.16	
32 94 43 00-0034 EA 72" x 72", >650 To 700 LB Cast Iron Tree Grate With Frame.....	2,176.22	66.23
For >3 To 9, Deduct	-153.28	
For >9, Deduct	-316.78	
32 94 43 00-0035 EA 72" x 72", >700 To 750 LB Cast Iron Tree Grate With Frame.....	2,217.93	66.23
For >3 To 9, Deduct	-156.41	
For >9, Deduct	-323.24	
32 94 43 00-0036 EA 72" x 72", >750 To 800 LB Cast Iron Tree Grate With Frame.....	2,245.74	66.23
For >3 To 9, Deduct	-158.49	
For >9, Deduct	-327.56	
32 94 43 00-0037 EA 72" x 72", >800 To 850 LB Cast Iron Tree Grate With Frame.....	2,259.64	66.23
For >3 To 9, Deduct	-159.54	
For >9, Deduct	-329.71	
32 94 43 00-0038 EA 72" x 72", >850 LB Cast Iron Tree Grate With Frame.....	2,273.54	66.23
For >3 To 9, Deduct	-160.58	
For >9, Deduct	-331.86	
<b>32 94 43 00-0039 Rectangular Cast Iron Tree Grates With Frames</b> (32 94 43 00-0001)		
32 94 43 00-0040 EA 36" x 48", 200 To 250 LB Cast Iron Tree Grate With Frame.....	1,000.79	31.17
For >3 To 9, Deduct	-70.38	
For >9, Deduct	-145.46	
32 94 43 00-0041 EA 36" x 60", 200 To 250 LB Cast Iron Tree Grate With Frame.....	1,021.65	31.17
For >3 To 9, Deduct	-71.95	
For >9, Deduct	-148.69	
32 94 43 00-0042 EA 36" x 72", 275 To 325 LB Cast Iron Tree Grate With Frame.....	1,247.16	38.97
For >3 To 9, Deduct	-87.69	
For >9, Deduct	-181.23	
32 94 43 00-0043 EA 48" x 72", Up To 350 LB Cast Iron Tree Grate With Frame.....	1,479.34	38.97
For >3 To 9, Deduct	-105.11	
For >9, Deduct	-217.22	
32 94 43 00-0044 EA 48" x 72", >350 LB Cast Iron Tree Grate With Frame.....	1,579.44	38.97
For >3 To 9, Deduct	-112.61	
For >9, Deduct	-232.74	
32 94 43 00-0045 EA 60" x 84", 700 To 750 LB Cast Iron Tree Grate With Frame.....	2,092.80	66.23
For >3 To 9, Deduct	-147.02	
For >9, Deduct	-303.85	
<b>32 94 43 00-0046 Tree Grates And Frames (Dura Art Stone)</b> (32 94 43 00-0001)		
32 94 43 00-0047 EA 36" Square Tree Grate; 3 TGS-1.....	346.46	39.31
For >3 To 9, Deduct	-19.67	
For >9, Deduct	-40.66	
32 94 43 00-0048 EA 48" Square Tree Grate; 4 TGS-1.....	522.41	39.31
For >3 To 9, Deduct	-32.87	
For >9, Deduct	-67.93	
32 94 43 00-0049 EA 60" Square Tree Grate; 5 TGS-1.....	768.42	39.31
For >3 To 9, Deduct	-51.32	
For >9, Deduct	-106.06	
32 94 43 00-0050 EA 36" Round Tree Grate; 3 TGR-4.....	330.17	39.31
For >3 To 9, Deduct	-18.45	
For >9, Deduct	-38.13	
32 94 43 00-0051 EA 48" Round Tree Grate; 4 TGR-4.....	485.76	39.31
For >3 To 9, Deduct	-30.12	
For >9, Deduct	-62.25	

**32 Exterior Improvements****32 90 Planting****32 94 Planting Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0052 EA 60" Round Tree Grate; 5 TGR-4.....	682.08	39.31
For >3 To 9, Deduct	-44.84	
For >9, Deduct	-92.68	
32 94 43 00-0053 EA 36" Square Tree Grate; 3 TGS-2.....	396.97	39.31
For >3 To 9, Deduct	-23.46	
For >9, Deduct	-48.49	
32 94 43 00-0054 EA 48" Square Tree Grate; 4 TGS-2.....	625.05	39.31
For >3 To 9, Deduct	-40.57	
For >9, Deduct	-83.84	
32 94 43 00-0055 EA 60" Square Tree Grate; 5 TGS-2.....	926.46	39.31
For >3 To 9, Deduct	-63.17	
For >9, Deduct	-130.56	
32 94 43 00-0056 EA 36" Round Tree Grate; 3 TGR-5.....	361.12	39.31
For >3 To 9, Deduct	-20.77	
For >9, Deduct	-42.93	
32 94 43 00-0057 EA 48" Round Tree Grate; 4 TGR-5.....	541.15	39.31
For >3 To 9, Deduct	-34.27	
For >9, Deduct	-70.83	
32 94 43 00-0058 EA 60" Round Tree Grate; 5 TGR-5.....	722.81	39.31
For >3 To 9, Deduct	-47.90	
For >9, Deduct	-98.99	
32 94 43 00-0059 EA 36" Square Tree Grate; 3 TGS-3.....	458.88	39.31
For >3 To 9, Deduct	-28.10	
For >9, Deduct	-58.08	
32 94 43 00-0060 EA 48" Square Tree Grate; 4 TGS-3.....	708.96	39.31
For >3 To 9, Deduct	-46.86	
For >9, Deduct	-96.84	
32 94 43 00-0061 EA 60" Square Tree Grate; 5 TGS-3.....	1,017.69	39.31
For >3 To 9, Deduct	-70.01	
For >9, Deduct	-144.70	
32 94 43 00-0062 EA 36" Round Tree Grate; 3 TGR-6.....	421.73	39.31
For >3 To 9, Deduct	-25.32	
For >9, Deduct	-52.32	
32 94 43 00-0063 EA 48" Round Tree Grate; 4 TGR-6.....	624.40	39.31
For >3 To 9, Deduct	-40.52	
For >9, Deduct	-83.74	
32 94 43 00-0064 EA 60" Round Tree Grate; 5 TGR-6.....	837.66	39.31
For >3 To 9, Deduct	-56.51	
For >9, Deduct	-116.79	
32 94 43 00-0065 EA 36" Square Tree Grate; 3 TGS-10.....	458.88	39.31
For >3 To 9, Deduct	-28.10	
For >9, Deduct	-58.08	
32 94 43 00-0066 EA 48" Square Tree Grate; 4 TGS-100.....	635.64	39.31
For >3 To 9, Deduct	-41.36	
For >9, Deduct	-85.48	
32 94 43 00-0067 EA 60" Square Tree Grate; 5 TGS-100.....	877.58	39.31
For >3 To 9, Deduct	-59.51	
For >9, Deduct	-122.98	
32 94 43 00-0068 EA 48" Square Tree Grate; 4 TGR-85.....	651.77	39.31
For >3 To 9, Deduct	-42.57	
For >9, Deduct	-87.98	

**32 94 49 Plant And Tree Accessories (32 94)**

32 94 49 00-0001 Tree Guying (32 94 49)

32 94 49 00-0002 Tree Guying, Stakes (32 94 49 00-0001)

Note: Includes stakes, cross brace, double #12 gauge twisted wire and reinforced rubber hose tree wrap.

32 94 49 00-0003 EA Tree Guying Up To 2" Caliper, 2 Stakes, Guy Wire And Wrap.....	12.44
32 94 49 00-0004 EA Tree Guying 2" To 3" Caliper, 2 Stakes, Guy Wire And Wrap.....	20.88
32 94 49 00-0005 EA Tree Guying 3" To 4" Caliper, 3 Stakes, Guy Wire And Wrap.....	35.98

32 94 49 00-0006 Tree Guying, Anchors (32 94 49 00-0001)

Note: Includes arrowhead anchor, cable, turnbuckles and wrap or reinforced rubber hose.

32 94 49 00-0007 EA Tree Guying Up To 3" Caliper, 3" Anchors And Polypropylene Flat Rope.....	54.34
32 94 49 00-0008 EA Tree Guying 3" To 6" Caliper, 4" Anchors And Polypropylene Flat Rope.....	73.55
32 94 49 00-0009 EA Tree Guying 6" To 8" Caliper, 6" Anchors And Polypropylene Flat Rope.....	95.26
32 94 49 00-0010 EA Tree Guying 8" And Up Caliper, 8" Anchors And Polypropylene Flat Rope.....	121.47

32 94 49 00-0011 Tree Wrap (32 94 49)

32 94 49 00-0012 EA Tree Wrap, Up To 1" Caliper Applied Ground Level To First Branches Of Tree.....	3.04
32 94 49 00-0013 EA Tree Wrap, 1" To 2" Caliper Applied Ground Level To First Branches Of Tree.....	5.16
32 94 49 00-0014 EA Tree Wrap, >2" To 4" Caliper Applied Ground Level To First Branches Of Tree.....	10.37
32 94 49 00-0015 EA Tree Wrap, >4" To 6" Caliper Applied Ground Level To First Branches Of Tree.....	16.43

32 94 49 00-0016 Tree Guards (32 94 49)

32 94 49 00-0017 EA 3' Preformed Plastic Tree Guard.....	5.99
32 94 49 00-0018 EA 2' Preformed Plastic Tree Guard.....	5.22



<b>Exterior Improvements</b>		<b>32</b>
Planting		32 90
Planting Accessories		32 94

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>32 94 49 00-0019 Stake Out Tree And Shrub Locations</b> <small>(32 94 49)</small>		
Note: When no design available.		
32 94 49 00-0020 EA Stake Out Trees Or Shrubs .....	3.10	
<b>32 94 49 00-0021 Root Barriers</b> <small>(32 94 49)</small>		
32 94 49 00-0022 EA 12" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner.....	6.51	
32 94 49 00-0023 EA 18" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner.....	9.48	
32 94 49 00-0024 EA 24" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner.....	11.26	
32 94 49 00-0025 EA 36" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner.....	21.70	
32 94 49 00-0026 EA 48" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner.....	30.22	
<b>32 96 Transplanting</b> <small>(32 96)</small>		
See CSI section 32 94 49 00-0001 for guying.		
<b>32 96 33 Shrub Transplanting</b> <small>(32 96)</small>		
Note: Includes digging up, moving on site, digging new hole and replanting.		
<b>32 96 33 00-0001 Moving Shrubs On Site, Relocate</b> <small>(32 96 33)</small>		
Note: Includes digging up, moving on site, digging new hole and replanting. See CSI section 32 94 49 00-0001 for guying.		
32 96 33 00-0002 EA Up To 18" Root Ball, Move Shrubs On Site .....	33.40	
For >25 To 50, Deduct	-3.34	
For >50, Deduct	-5.01	
32 96 33 00-0003 EA >18" To 24" Root Ball, Move Shrubs On Site .....	45.19	
For >25 To 50, Deduct	-4.52	
For >50, Deduct	-6.78	
32 96 33 00-0004 EA >24" To 30" Root Ball, Move Shrubs On Site .....	76.62	
For >25 To 50, Deduct	-7.66	
For >50, Deduct	-11.49	
32 96 33 00-0005 EA >30" To 36" Root Ball, Move Shrubs On Site .....	117.89	
For >25 To 50, Deduct	-11.79	
For >50, Deduct	-17.68	
<b>32 96 43 Tree Transplanting</b> <small>(32 96)</small>		
Note: Includes digging up, moving on site, digging new hole and replanting.		
<b>32 96 43 00-0001 Moving Trees On Site, Relocate</b> <small>(32 96 43)</small>		
Note: Includes digging up, moving on site, digging new hole and replanting. Excludes crane where necessary for trees over 20' tall. See CSI section 01 22 23 00-0927 for crane lifting equipment, 32 94 49 00-0001 for guying.		
32 96 43 00-0002 EA Up To 24" Root Ball, Move Trees On Site .....	131.27	
For >5 To 10, Deduct	-6.56	
For >10 To 20, Deduct	-13.13	
For >20, Deduct	-19.69	
32 96 43 00-0003 EA >24" To 30" Root Ball, Move Trees On Site.....	180.03	
For >5 To 10, Deduct	-9.00	
For >10 To 20, Deduct	-18.00	
For >20, Deduct	-27.00	
32 96 43 00-0004 EA >30" To 36" Root Ball, Move Trees On Site.....	291.72	
For >5 To 10, Deduct	-14.59	
For >10 To 20, Deduct	-29.17	
For >20, Deduct	-43.76	
32 96 43 00-0005 EA >36" To 48" Root Ball, Move Trees On Site.....	484.71	
For >5 To 10, Deduct	-24.24	
For >10 To 20, Deduct	-48.47	
For >20, Deduct	-72.71	
32 96 43 00-0006 EA >48" To 60" Root Ball, Move Trees On Site.....	787.66	
For >5 To 10, Deduct	-39.38	
For >10 To 20, Deduct	-78.77	
For >20, Deduct	-118.15	
32 96 43 00-0007 EA >60" To 72" Root Ball, Move Trees On Site.....	1,016.32	
For >5 To 10, Deduct	-50.82	
For >10 To 20, Deduct	-101.63	
For >20, Deduct	-152.45	
32 96 43 00-0008 EA >72" To 84" Root Ball, Move Trees On Site.....	1,312.75	
For >5 To 10, Deduct	-65.64	
For >10 To 20, Deduct	-131.28	
For >20, Deduct	-196.91	
32 96 43 00-0009 EA >84" To 96" Root Ball, Move Trees On Site.....	1,575.31	
For >5 To 10, Deduct	-78.77	
For >10 To 20, Deduct	-157.53	
For >20, Deduct	-236.30	
32 96 43 00-0010 EA >96" To 120" Root Ball, Move Trees On Site.....	1,790.12	
For >5 To 10, Deduct	-89.51	
For >10 To 20, Deduct	-179.01	
For >20, Deduct	-268.52	



<b>32</b>	<b>32</b>	<b>Exterior Improvements</b>
	32 90	Planting
	32 96	Transplanting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**END OF SECTION 32**



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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### 33 Utilities

#### 33 01 Operation And Maintenance Of Utilities <sup>(33)</sup>

##### 33 01 10 Operation And Maintenance Of Water Utilities <sup>(33 01)</sup>

###### 33 01 10 54 Cleaning of Water Utility Piping <sup>(33 01 10)</sup>

See CSI section 33 01 30 41-0006 for cleaning of water lines.

###### 33 01 10 58 Disinfection of Water Utility Piping Systems <sup>(33 01 10)</sup>

###### 33 01 10 58-0001 Water Main Disinfection/Sterilization <sup>(33 01 10 58)</sup>

Note: Gas chlorination. Continuous or plug method.

33 01 10 58-0002	EA	Setting Up And Removing Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method .....	459.56
33 01 10 58-0003	EA	Re-Set Up/Move Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method .....	229.78
33 01 10 58-0004	LF	Up To 4" Diameter Pipe Water Main Disinfection/Sterilization.....	0.17
		For >250 To 500, Deduct	-0.01
		For >500 To 1,000, Deduct	-0.02
		For >1,000 To 2,000, Deduct	-0.03
		For >2,000 To 5,000, Deduct	-0.03
		For >5,000, Deduct	-0.04
33 01 10 58-0005	LF	6" Diameter Pipe Water Main Disinfection/Sterilization.....	0.26
		For >250 To 500, Deduct	-0.01
		For >500 To 1,000, Deduct	-0.03
		For >1,000 To 2,000, Deduct	-0.04
		For >2,000 To 5,000, Deduct	-0.05
		For >5,000, Deduct	-0.07
33 01 10 58-0006	LF	8" Diameter Pipe Water Main Disinfection/Sterilization.....	0.34
		For >250 To 500, Deduct	-0.02
		For >500 To 1,000, Deduct	-0.03
		For >1,000 To 2,000, Deduct	-0.05
		For >2,000 To 5,000, Deduct	-0.07
		For >5,000, Deduct	-0.09
33 01 10 58-0007	LF	10" Diameter Pipe Water Main Disinfection/Sterilization.....	0.40
		For >250 To 500, Deduct	-0.02
		For >500 To 1,000, Deduct	-0.04
		For >1,000 To 2,000, Deduct	-0.06
		For >2,000 To 5,000, Deduct	-0.08
		For >5,000, Deduct	-0.10
33 01 10 58-0008	LF	12" Diameter Pipe Water Main Disinfection/Sterilization.....	0.53
		For >250 To 500, Deduct	-0.03
		For >500 To 1,000, Deduct	-0.05
		For >1,000 To 2,000, Deduct	-0.08
		For >2,000 To 5,000, Deduct	-0.11
		For >5,000, Deduct	-0.13
33 01 10 58-0009	LF	>12" To 16" Diameter Pipe Water Main Disinfection/Sterilization .....	0.60
		For >250 To 500, Deduct	-0.03
		For >500 To 1,000, Deduct	-0.06
		For >1,000 To 2,000, Deduct	-0.09
		For >2,000 To 5,000, Deduct	-0.12
		For >5,000, Deduct	-0.15
33 01 10 58-0010	LF	>16" To 24" Diameter Pipe Water Main Disinfection/Sterilization .....	0.69
		For >250 To 500, Deduct	-0.03
		For >500 To 1,000, Deduct	-0.07
		For >1,000 To 2,000, Deduct	-0.10
		For >2,000 To 5,000, Deduct	-0.14
		For >5,000, Deduct	-0.17
33 01 10 58-0011	LF	>24" To 30" Diameter Pipe Water Main Disinfection/Sterilization .....	0.81
		For >250 To 500, Deduct	-0.04
		For >500 To 1,000, Deduct	-0.08
		For >1,000 To 2,000, Deduct	-0.12
		For >2,000 To 5,000, Deduct	-0.16
		For >5,000, Deduct	-0.20
33 01 10 58-0012	LF	>30" To 42" Diameter Pipe Water Main Disinfection/Sterilization .....	1.04
		For >250 To 500, Deduct	-0.05
		For >500 To 1,000, Deduct	-0.10
		For >1,000 To 2,000, Deduct	-0.16
		For >2,000 To 5,000, Deduct	-0.21
		For >5,000, Deduct	-0.26
33 01 10 58-0013	LF	>42" To 60" Diameter Pipe Water Main Disinfection/Sterilization .....	1.53
		For >250 To 500, Deduct	-0.08
		For >500 To 1,000, Deduct	-0.15
		For >1,000 To 2,000, Deduct	-0.23
		For >2,000 To 5,000, Deduct	-0.31
		For >5,000, Deduct	-0.38
33 01 10 58-0014	LF	>60" Diameter Pipe Water Main Disinfection/Sterilization.....	2.12
		For >250 To 500, Deduct	-0.11
		For >500 To 1,000, Deduct	-0.21
		For >1,000 To 2,000, Deduct	-0.32
		For >2,000 To 5,000, Deduct	-0.42
		For >5,000, Deduct	-0.53

**33 Utilities****33 01 Operation And Maintenance Of Utilities****33 01 10 Operation And Maintenance Of Water Utilities**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 01 10 71 Relining Water Utilities Pipelines <small>(33 01 10)</small>			
See CSI section 33 01 30 71-0000 for relining water pipelines.			
33 01 10 71-0001 Relining Underground Water Pipelines <small>(33 01 10 71)</small>			
Note: Excludes costs for CCTV inspection, pipe cleaning, pavement; temporary and permanent, emergency after hours response for homeowners backups.			
33 01 10 71-0002 Relining Underground Water Pipelines Set-Up And Reinsertion <small>(33 01 10 71-0001)</small>			
33 01 10 71-0003	EA Initial Set Up And Final Equipment Removal For Relining Underground Water Pipelines .....	2,517.14	
33 01 10 71-0004	EA Move And Reset Up At Different Access/Location.....	1,006.85	
33 01 10 71-0005 Lining Pipe With Cement <small>(33 01 10 71-0001)</small>			
33 01 10 71-0006	LF Up To 500', 4" Pipe, 1/8" Pipe Lining With Cement.....	35.49	
	For 3/16" Thickness, Add	0.71	
	For 1/4" Thickness, Add	1.42	
33 01 10 71-0007	LF >500' To 1,000', 4" Pipe, 1/8" Pipe Lining With Cement .....	31.64	
	For 3/16" Thickness, Add	0.71	
	For 1/4" Thickness, Add	1.42	
33 01 10 71-0008	LF >1,000' To 5,000', 4" Pipe, 1/8" Pipe Lining With Cement .....	26.49	
	For 3/16" Thickness, Add	0.71	
	For 1/4" Thickness, Add	1.42	
33 01 10 71-0009	LF >5,000', 4" Pipe, 1/8" Pipe Lining With Cement.....	20.01	
	For 3/16" Thickness, Add	0.71	
	For 1/4" Thickness, Add	1.42	
33 01 10 71-0010	LF Up To 500', 6" Pipe, 1/8" Pipe Lining With Cement.....	37.07	
	For 3/16" Thickness, Add	1.06	
	For 1/4" Thickness, Add	2.12	
33 01 10 71-0011	LF >500' To 1,000', 6" Pipe, 1/8" Pipe Lining With Cement .....	33.08	
	For 3/16" Thickness, Add	1.06	
	For 1/4" Thickness, Add	2.12	
33 01 10 71-0012	LF >1,000' To 5,000', 6" Pipe, 1/8" Pipe Lining With Cement .....	27.75	
	For 3/16" Thickness, Add	1.06	
	For 1/4" Thickness, Add	2.12	
33 01 10 71-0013	LF >5,000', 6" Pipe, 1/8" Pipe Lining With Cement .....	21.19	
	For 3/16" Thickness, Add	1.06	
	For 1/4" Thickness, Add	2.12	
33 01 10 71-0014	LF Up To 500', 8" Pipe, 1/8" Pipe Lining With Cement.....	38.60	
	For 3/16" Thickness, Add	1.41	
	For 1/4" Thickness, Add	2.82	
33 01 10 71-0015	LF >500' To 1,000', 8" Pipe, 1/8" Pipe Lining With Cement .....	34.52	
	For 3/16" Thickness, Add	1.41	
	For 1/4" Thickness, Add	2.82	
33 01 10 71-0016	LF >1,000' To 5,000', 8" Pipe, 1/8" Pipe Lining With Cement .....	29.00	
	For 3/16" Thickness, Add	1.41	
	For 1/4" Thickness, Add	2.82	
33 01 10 71-0017	LF >5,000', 8" Pipe, 1/8" Pipe Lining With Cement .....	22.35	
	For 3/16" Thickness, Add	1.41	
	For 1/4" Thickness, Add	2.82	
33 01 10 71-0018	LF Up To 500', 10" Pipe, 1/8" Pipe Lining With Cement.....	39.80	
	For 3/16" Thickness, Add	1.77	
	For 1/4" Thickness, Add	3.53	
33 01 10 71-0019	LF >500' To 1,000', 10" Pipe, 1/8" Pipe Lining With Cement .....	35.66	
	For 3/16" Thickness, Add	1.77	
	For 1/4" Thickness, Add	3.53	
33 01 10 71-0020	LF >1,000' To 5,000', 10" Pipe, 1/8" Pipe Lining With Cement .....	30.06	
	For 3/16" Thickness, Add	1.77	
	For 1/4" Thickness, Add	3.53	
33 01 10 71-0021	LF >5,000', 10" Pipe, 1/8" Pipe Lining With Cement .....	23.54	
	For 3/16" Thickness, Add	1.77	
	For 1/4" Thickness, Add	3.53	
33 01 10 71-0022	LF Up To 500', 12" Pipe, 1/8" Pipe Lining With Cement.....	43.13	
	For 3/16" Thickness, Add	2.12	
	For 1/4" Thickness, Add	4.23	
33 01 10 71-0023	LF >500' To 1,000', 12" Pipe, 1/8" Pipe Lining With Cement .....	38.72	
	For 3/16" Thickness, Add	2.12	
	For 1/4" Thickness, Add	4.23	
33 01 10 71-0024	LF >1,000' To 5,000', 12" Pipe, 1/8" Pipe Lining With Cement .....	32.77	
	For 3/16" Thickness, Add	2.12	
	For 1/4" Thickness, Add	4.23	
33 01 10 71-0025	LF >5,000', 12" Pipe, 1/8" Pipe Lining With Cement .....	25.70	
	For 3/16" Thickness, Add	2.12	
	For 1/4" Thickness, Add	4.23	
33 01 10 71-0026	LF Up To 500', >12" To 16" Pipe, 3/16" Pipe Lining With Cement.....	47.13	
	For 1/4" Thickness, Add	2.35	
	For 5/16" Thickness, Add	4.71	
33 01 10 71-0027	LF >500' To 1,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement.....	42.56	
	For 1/4" Thickness, Add	2.35	
	For 5/16" Thickness, Add	4.71	
33 01 10 71-0028	LF >1,000' To 5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement.....	36.36	
	For 1/4" Thickness, Add	2.35	
	For 5/16" Thickness, Add	4.71	
33 01 10 71-0029	LF >5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement.....	29.60	
	For 1/4" Thickness, Add	2.35	
	For 5/16" Thickness, Add	4.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0030 LF Up To 500', >16" To 20" Pipe, 3/16" Pipe Lining With Cement .....	49.71	
<i>For 1/4" Thickness, Add</i>	2.82	
<i>For 5/16" Thickness, Add</i>	5.64	
33 01 10 71-0031 LF >500' To 1,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	45.00	
<i>For 1/4" Thickness, Add</i>	2.82	
<i>For 5/16" Thickness, Add</i>	5.64	
33 01 10 71-0032 LF >1,000' To 5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	38.59	
<i>For 1/4" Thickness, Add</i>	2.82	
<i>For 5/16" Thickness, Add</i>	5.64	
33 01 10 71-0033 LF >5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	32.18	
<i>For 1/4" Thickness, Add</i>	2.82	
<i>For 5/16" Thickness, Add</i>	5.64	
33 01 10 71-0034 LF Up To 500', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	52.84	
<i>For 1/4" Thickness, Add</i>	3.29	
<i>For 5/16" Thickness, Add</i>	6.59	
33 01 10 71-0035 LF >500' To 1,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	47.95	
<i>For 1/4" Thickness, Add</i>	3.29	
<i>For 5/16" Thickness, Add</i>	6.59	
33 01 10 71-0036 LF >1,000' To 5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	41.24	
<i>For 1/4" Thickness, Add</i>	3.29	
<i>For 5/16" Thickness, Add</i>	6.59	
33 01 10 71-0037 LF >5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	35.24	
<i>For 1/4" Thickness, Add</i>	3.29	
<i>For 5/16" Thickness, Add</i>	6.59	
33 01 10 71-0038 LF Up To 500', 24" Pipe, 3/16" Pipe Lining With Cement .....	56.02	
<i>For 1/4" Thickness, Add</i>	3.77	
<i>For 5/16" Thickness, Add</i>	7.53	
33 01 10 71-0039 LF >500' To 1,000', 24" Pipe, 3/16" Pipe Lining With Cement .....	50.94	
<i>For 1/4" Thickness, Add</i>	3.77	
<i>For 5/16" Thickness, Add</i>	7.53	
33 01 10 71-0040 LF >1,000' To 5,000', 24" Pipe, 3/16" Pipe Lining With Cement .....	44.02	
<i>For 1/4" Thickness, Add</i>	3.77	
<i>For 5/16" Thickness, Add</i>	7.53	
33 01 10 71-0041 LF >5,000', 24" Pipe, 3/16" Pipe Lining With Cement .....	38.42	
<i>For 1/4" Thickness, Add</i>	3.77	
<i>For 5/16" Thickness, Add</i>	7.53	
33 01 10 71-0042 LF Up To 500', 30" Pipe, 3/16" Pipe Lining With Cement .....	60.53	
<i>For 1/4" Thickness, Add</i>	4.70	
<i>For 5/16" Thickness, Add</i>	9.41	
33 01 10 71-0043 LF >500' To 1,000', 30" Pipe, 3/16" Pipe Lining With Cement .....	55.16	
<i>For 1/4" Thickness, Add</i>	4.70	
<i>For 5/16" Thickness, Add</i>	9.41	
33 01 10 71-0044 LF >1,000' To 5,000', 30" Pipe, 3/16" Pipe Lining With Cement .....	47.82	
<i>For 1/4" Thickness, Add</i>	4.70	
<i>For 5/16" Thickness, Add</i>	9.41	
33 01 10 71-0045 LF >5,000', 30" Pipe, 3/16" Pipe Lining With Cement .....	42.18	
<i>For 1/4" Thickness, Add</i>	4.70	
<i>For 5/16" Thickness, Add</i>	9.41	
33 01 10 71-0046 LF Up To 500', 36" Pipe, 3/16" Pipe Lining With Cement .....	65.01	
<i>For 1/4" Thickness, Add</i>	5.65	
<i>For 5/16" Thickness, Add</i>	11.29	
33 01 10 71-0047 LF 500' To 1,000', 36" Pipe, 3/16" Pipe Lining With Cement .....	59.40	
<i>For 1/4" Thickness, Add</i>	5.65	
<i>For 5/16" Thickness, Add</i>	11.29	
33 01 10 71-0048 LF >1,000' To 5,000', 36" Pipe, 3/16" Pipe Lining With Cement .....	51.65	
<i>For 1/4" Thickness, Add</i>	5.65	
<i>For 5/16" Thickness, Add</i>	11.29	
33 01 10 71-0049 LF >5,000', 36" Pipe, 3/16" Pipe Lining With Cement .....	45.95	
<i>For 1/4" Thickness, Add</i>	5.65	
<i>For 5/16" Thickness, Add</i>	11.29	
33 01 10 71-0050 LF Up To 500', 42" Pipe, 1/4" Pipe Lining With Cement .....	82.19	
<i>For 3/8" Thickness, Add</i>	14.82	
<i>For 7/16" Thickness, Add</i>	22.23	
33 01 10 71-0051 LF >500' To 1,000', 42" Pipe, 1/4" Pipe Lining With Cement .....	76.07	
<i>For 3/8" Thickness, Add</i>	14.82	
<i>For 7/16" Thickness, Add</i>	22.23	
33 01 10 71-0052 LF >1,000' To 5,000', 42" Pipe, 1/4" Pipe Lining With Cement .....	67.65	
<i>For 3/8" Thickness, Add</i>	14.82	
<i>For 7/16" Thickness, Add</i>	22.23	
33 01 10 71-0053 LF >5,000', 42" Pipe, 1/4" Pipe Lining With Cement .....	61.77	
<i>For 3/8" Thickness, Add</i>	14.82	
<i>For 7/16" Thickness, Add</i>	22.23	
33 01 10 71-0054 LF Up To 500', 48" Pipe, 1/4" Pipe Lining With Cement .....	90.82	
<i>For 3/8" Thickness, Add</i>	16.94	
<i>For 7/16" Thickness, Add</i>	25.40	
33 01 10 71-0055 LF >500' To 1,000', 48" Pipe, 1/4" Pipe Lining With Cement .....	84.29	
<i>For 3/8" Thickness, Add</i>	16.94	
<i>For 7/16" Thickness, Add</i>	25.40	
33 01 10 71-0056 LF >1,000' To 5,000', 48" Pipe, 1/4" Pipe Lining With Cement .....	75.23	
<i>For 3/8" Thickness, Add</i>	16.94	
<i>For 7/16" Thickness, Add</i>	25.40	
33 01 10 71-0057 LF >5,000', 48" Pipe, 1/4" Pipe Lining With Cement .....	69.24	
<i>For 3/8" Thickness, Add</i>	16.94	
<i>For 7/16" Thickness, Add</i>	25.40	

**33 Utilities****33 01 Operation And Maintenance Of Utilities****33 01 10 Operation And Maintenance Of Water Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 10 71-0058	LF Up To 500', 54" Pipe, 1/4" Pipe Lining With Cement.....	96.13	
	For 3/8" Thickness, Add	19.06	
	For 7/16" Thickness, Add	28.58	
33 01 10 71-0059	LF >500' To 1,000', 54" Pipe, 1/4" Pipe Lining With Cement .....	89.45	
	For 3/8" Thickness, Add	19.06	
	For 7/16" Thickness, Add	28.58	
33 01 10 71-0060	LF >1,000' To 5,000', 54" Pipe, 1/4" Pipe Lining With Cement .....	80.18	
	For 3/8" Thickness, Add	19.06	
	For 7/16" Thickness, Add	28.58	
33 01 10 71-0061	LF >5,000', 54" Pipe, 1/4" Pipe Lining With Cement .....	74.41	
	For 3/8" Thickness, Add	19.06	
	For 7/16" Thickness, Add	28.58	
33 01 10 71-0062	LF Up To 500', 60" Pipe, 1/4" Pipe Lining With Cement.....	101.42	
	For 3/8" Thickness, Add	21.18	
	For 7/16" Thickness, Add	31.76	
33 01 10 71-0063	LF >500' To 1,000', 60" Pipe, 1/4" Pipe Lining With Cement .....	94.62	
	For 3/8" Thickness, Add	21.18	
	For 7/16" Thickness, Add	31.76	
33 01 10 71-0064	LF >1,000' To 5,000', 60" Pipe, 1/4" Pipe Lining With Cement .....	85.19	
	For 3/8" Thickness, Add	21.18	
	For 7/16" Thickness, Add	31.76	
33 01 10 71-0065	LF >5,000', 60" Pipe, 1/4" Pipe Lining With Cement.....	79.59	
	For 3/8" Thickness, Add	21.18	
	For 7/16" Thickness, Add	31.76	
33 01 10 71-0066	LF Up To 500', 66" Pipe, 1/4" Pipe Lining With Cement.....	106.90	
	For 3/8" Thickness, Add	23.29	
	For 7/16" Thickness, Add	34.94	
33 01 10 71-0067	LF >500' To 1,000', 66" Pipe, 1/4" Pipe Lining With Cement .....	99.95	
	For 3/8" Thickness, Add	23.29	
	For 7/16" Thickness, Add	34.94	
33 01 10 71-0068	LF >1,000' To 5,000', 66" Pipe, 1/4" Pipe Lining With Cement .....	90.36	
	For 3/8" Thickness, Add	23.29	
	For 7/16" Thickness, Add	34.94	
33 01 10 71-0069	LF >5,000', 66" Pipe, 1/4" Pipe Lining With Cement.....	85.18	
	For 3/8" Thickness, Add	23.29	
	For 7/16" Thickness, Add	34.94	
33 01 10 71-0070	LF Up To 500', 72" Pipe, 1/4" Pipe Lining With Cement.....	112.60	
	For 3/8" Thickness, Add	25.41	
	For 7/16" Thickness, Add	38.12	
33 01 10 71-0071	LF >500' To 1,000', 72" Pipe, 1/4" Pipe Lining With Cement .....	105.54	
	For 3/8" Thickness, Add	25.41	
	For 7/16" Thickness, Add	38.12	
33 01 10 71-0072	LF >1,000' To 5,000', 72" Pipe, 1/4" Pipe Lining With Cement .....	95.71	
	For 3/8" Thickness, Add	25.41	
	For 7/16" Thickness, Add	38.12	
33 01 10 71-0073	LF >5,000', 72" Pipe, 1/4" Pipe Lining With Cement.....	90.83	
	For 3/8" Thickness, Add	25.41	
	For 7/16" Thickness, Add	38.12	

**33 01 10 71-0074 Lining Pipe With Epoxy (33 01 10 71-0001)**

33 01 10 71-0075	LF Up To 500', 4" Pipe, 1 mm (40 Mil) Epoxy Resin Lining.....	33.13	
33 01 10 71-0076	LF >500' To 1,000', 4" Pipe, 1 mm (40 Mil) Epoxy Resin Lining .....	29.59	
33 01 10 71-0077	LF >1,000' To 5,000', 4" Pipe, 1 mm (40 Mil) Epoxy Resin Lining.....	24.84	
33 01 10 71-0078	LF >5,000', 4" Pipe, 1 mm (40 Mil) Epoxy Resin Lining .....	22.47	
33 01 10 71-0079	LF Up To 500', 6" Pipe, 1 mm (40 Mil) Epoxy Resin Lining.....	34.82	
33 01 10 71-0080	LF >500' To 1,000', 6" Pipe, 1 mm (40 Mil) Epoxy Resin Lining .....	31.16	
33 01 10 71-0081	LF >1,000' To 5,000', 6" Pipe, 1 mm (40 Mil) Epoxy Resin Lining.....	26.25	
33 01 10 71-0082	LF >5,000', 6" Pipe, 1 mm (40 Mil) Epoxy Resin Lining .....	23.78	
33 01 10 71-0083	LF Up To 500', 8" Pipe, 1 mm (40 Mil) Epoxy Resin Lining.....	36.46	
33 01 10 71-0084	LF >500' To 1,000', 8" Pipe, 1 mm (40 Mil) Epoxy Resin Lining .....	32.71	
33 01 10 71-0085	LF >1,000' To 5,000', 8" Pipe, 1 mm (40 Mil) Epoxy Resin Lining.....	27.63	
33 01 10 71-0086	LF >5,000', 8" Pipe, 1 mm (40 Mil) Epoxy Resin Lining .....	25.14	
33 01 10 71-0087	LF Up To 500', 10" Pipe, 1 mm (40 Mil) Epoxy Resin Lining.....	34.79	
33 01 10 71-0088	LF >500' To 1,000', 10" Pipe, 1 mm (40 Mil) Epoxy Resin Lining.....	34.01	
33 01 10 71-0089	LF >1,000' To 5,000', 10" Pipe, 1 mm (40 Mil) Epoxy Resin Lining.....	28.87	
33 01 10 71-0090	LF >5,000', 10" Pipe, 1 mm (40 Mil) Epoxy Resin Lining .....	26.32	
33 01 10 71-0091	LF Up To 500', 12" Pipe, 1 mm (40 Mil) Epoxy Resin Lining.....	41.12	
33 01 10 71-0092	LF >500' To 1,000', 12" Pipe, 1 mm (40 Mil) Epoxy Resin Lining.....	37.05	
33 01 10 71-0093	LF >1,000' To 5,000', 12" Pipe, 1 mm (40 Mil) Epoxy Resin Lining.....	31.58	
33 01 10 71-0094	LF >5,000', 12" Pipe, 1 mm (40 Mil) Epoxy Resin Lining .....	28.82	
33 01 10 71-0095	LF Up To 500', >12" To 16" Pipe, 1 mm (40 Mil) Epoxy Resin Lining .....	43.55	
33 01 10 71-0096	LF >500' To 1,000', >12" To 16" Pipe, 1 mm (40 Mil) Epoxy Resin Lining.....	39.33	
33 01 10 71-0097	LF >1,000' To 5,000', >12" To 16" Pipe, 1 mm (40 Mil) Epoxy Resin Lining .....	33.64	
33 01 10 71-0098	LF >5,000', >12" To 16" Pipe, 1 mm (40 Mil) Epoxy Resin Lining.....	30.76	
33 01 10 71-0099	LF Up To 500', >16" To 20" Pipe, 1 mm (40 Mil) Epoxy Resin Lining .....	45.95	
33 01 10 71-0100	LF >500' To 1,000', >16" To 20" Pipe, 1 mm (40 Mil) Epoxy Resin Lining.....	41.62	
33 01 10 71-0101	LF 1,000' To 5,000', >16" To 20" Pipe, 1 mm (40 Mil) Epoxy Resin Lining .....	35.72	
33 01 10 71-0102	LF >5,000', >16" To 20" Pipe, 1 mm (40 Mil) Epoxy Resin Lining.....	32.74	
33 01 10 71-0103	LF Up To 500', >20" To 22" Pipe, 1 mm (40 Mil) Epoxy Resin Lining .....	48.86	
33 01 10 71-0104	LF >500' To 1,000', >20" To 22" Pipe, 1 mm (40 Mil) Epoxy Resin Lining.....	44.36	
33 01 10 71-0105	LF >1,000' To 5,000', >20" To 22" Pipe, 1 mm (40 Mil) Epoxy Resin Lining.....	38.19	
33 01 10 71-0106	LF >5,000', >20" To 22" Pipe, 1 mm (40 Mil) Epoxy Resin Lining.....	35.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0107 LF Up To 500', 24" Pipe, 1 mm (40 Mil) Epoxy Resin Lining.....	51.81	
33 01 10 71-0108 LF >500' To 1,000', 24" Pipe, 1 mm (40 Mil) Epoxy Resin Lining .....	47.14	
33 01 10 71-0109 LF >1,000' To 5,000', 24" Pipe, 1 mm (40 Mil) Epoxy Resin Lining .....	40.76	
33 01 10 71-0110 LF >5,000', 24" Pipe, 1 mm (40 Mil) Epoxy Resin Lining .....	37.58	
33 01 10 71-0111 LF Up To 500', 30" Pipe, 1 mm (40 Mil) Epoxy Resin Lining.....	56.06	
33 01 10 71-0112 LF >500' To 1,000', 30" Pipe, 1 mm (40 Mil) Epoxy Resin Lining .....	51.11	
33 01 10 71-0113 LF >1,000' To 5,000', 30" Pipe, 1 mm (40 Mil) Epoxy Resin Lining .....	44.36	
33 01 10 71-0114 LF >5,000', 30" Pipe, 1 mm (40 Mil) Epoxy Resin Lining .....	40.95	
33 01 10 71-0115 LF Up To 500', 36" Pipe, 1 mm (40 Mil) Epoxy Resin Lining.....	60.24	
33 01 10 71-0116 LF >500' To 1,000', 36" Pipe, 1 mm (40 Mil) Epoxy Resin Lining .....	55.09	
33 01 10 71-0117 LF >1,000' To 5,000', 36" Pipe, 1 mm (40 Mil) Epoxy Resin Lining .....	47.96	
33 01 10 71-0118 LF >5,000', 36" Pipe, 1 mm (40 Mil) Epoxy Resin Lining .....	44.42	
33 01 10 71-0119 LF Up To 500', 42" Pipe, 1 mm (40 Mil) Epoxy Resin Lining.....	67.02	
33 01 10 71-0120 LF >500' To 1,000', 42" Pipe, 1 mm (40 Mil) Epoxy Resin Lining .....	61.39	
33 01 10 71-0121 LF >1,000' To 5,000', 42" Pipe, 1 mm (40 Mil) Epoxy Resin Lining .....	53.66	
33 01 10 71-0122 LF >5,000', 42" Pipe, 1 mm (40 Mil) Epoxy Resin Lining .....	49.82	
33 01 10 71-0123 LF Up To 500', 48" Pipe, 1 mm (40 Mil) Epoxy Resin Lining.....	73.77	
33 01 10 71-0124 LF >500' To 1,000', 48" Pipe, 1 mm (40 Mil) Epoxy Resin Lining .....	67.75	
33 01 10 71-0125 LF >1,000' To 5,000', 48" Pipe, 1 mm (40 Mil) Epoxy Resin Lining .....	59.42	
33 01 10 71-0126 LF >5,000', 48" Pipe, 1 mm (40 Mil) Epoxy Resin Lining .....	55.31	
33 01 10 71-0127 LF Up To 500', 54" Pipe, 1 mm (40 Mil) Epoxy Resin Lining.....	77.41	
33 01 10 71-0128 LF >500' To 1,000', 54" Pipe, 1 mm (40 Mil) Epoxy Resin Lining .....	71.25	
33 01 10 71-0129 LF >1,000' To 5,000', 54" Pipe, 1 mm (40 Mil) Epoxy Resin Lining .....	62.73	
33 01 10 71-0130 LF >5,000', 54" Pipe, 1 mm (40 Mil) Epoxy Resin Lining .....	58.51	
33 01 10 71-0131 LF Up To 500', 60" Pipe, 1 mm (40 Mil) Epoxy Resin Lining.....	81.03	
33 01 10 71-0132 LF >500' To 1,000', 60" Pipe, 1 mm (40 Mil) Epoxy Resin Lining .....	74.78	
33 01 10 71-0133 LF >1,000' To 5,000', 60" Pipe, 1 mm (40 Mil) Epoxy Resin Lining .....	66.10	
33 01 10 71-0134 LF >5,000', 60" Pipe, 1 mm (40 Mil) Epoxy Resin Lining .....	61.60	

33 01 10 71-0135	Water House Connection <small>(33 01 10 71-0001)</small>	
33 01 10 71-0136	EA Blow Out Line To Water House Connection After Lining .....	22.97

### 33 01 30 Operation And Maintenance Of Sewer Utilities (33 01)

#### 33 01 30 11 Television Inspection Of Pipelines (33 01 30)

Note: Rotating head color camera. Includes all log records and color video tape, DVD or CD.

33 01 30 11-0001	Remote Visual Inspection (RVI) Of Pipe Interior And Culverts <small>(33 01 30 11)</small>	
33 01 30 11-0002	Video Camera Inspection For Pipe Interior And Culverts <small>(33 01 30 11-0001)</small>	
33 01 30 11-0003	LF Video Camera Inspection Of Pipe Interior Or Culvert .....	2.33

#### 33 01 30 23 Pipe Bursting (33 01 30)

33 01 30 23-0001	Pipe Bursting <small>(33 01 30 23)</small>	
Note: The following section excludes costs for CCTV inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups, bypass pumping, tree removal, service saddles, soil testing, and erosion control. See CSI section 31 13 13 00-0001 for tree removal.		
33 01 30 23-0002	Manhole Chipping <small>(33 01 30 23-0001)</small>	
Note: For use at manholes to open holes for pipe bursting head.		
33 01 30 23-0003	EA 6" To 15" Diameter, Manhole Chipping.....	158.56
33 01 30 23-0004	EA >15" To 24" Diameter, Manhole Chipping.....	186.14
33 01 30 23-0005	EA >24" To 36" Diameter, Manhole Chipping.....	232.67

33 01 30 23-0006	Pipe Bursting <small>(33 01 30 23-0001)</small>	
Note: Includes equipment to burst or upsize existing clay, cast iron, concrete, PVC or ductile iron pipe; pipe bursting royalty fee. Excludes CCTV inspection, PE piping, excavation of pit, backfill, compaction, final grade, seed and sod restoration, recovery of bursting head disabled by obstruction, either undocumented or unrecognizable during CCTV inspection. See CSI section 33 01 30 23-0047 for PE piping.		
33 01 30 23-0007	Pipe Bursting Equipment Set-up <small>(33 01 30 23-0006)</small>	
33 01 30 23-0008	EA Initial Set-up Pipe Bursting Equipment .....	3,770.21
33 01 30 23-0009	EA Re-Set Up/Move Pipe Bursting Equipment .....	1,885.10
33 01 30 23-0010	EA Set Up/Move Pipe Bursting Equipment For Laterals.....	942.55

33 01 30 23-0011	Pneumatic Head Pipe Bursting <small>(33 01 30 23-0006)</small>	
33 01 30 23-0012	LF 4" Diameter, Pneumatic Head Pipe Bursting .....	13.99
For The Increase In Pipe Diameter By 1 Pipe Size, Add		
	For >150 To 200, Add	0.66
	For >100 To 150, Add	0.43
	For >75 To 100, Add	0.86
	For >50 To 75, Add	1.29
	For >25 To 50, Add	1.71
	For Up To 25, Add	2.57
	For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.86
	For Bursting Ductile Iron Pipe, Add	0.86
		2.14

**33 Utilities****33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0013 LF 6" Diameter, Pneumatic Head Pipe Bursting .....	16.04	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	0.82	
For >150 To 200, Add	0.53	
For >100 To 150, Add	1.06	
For >75 To 100, Add	1.59	
For >50 To 75, Add	2.12	
For >25 To 50, Add	3.19	
For Up To 25, Add	4.78	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.06	
For Bursting Ductile Iron Pipe, Add	2.66	
33 01 30 23-0014 LF 8" Diameter, Pneumatic Head Pipe Bursting .....	17.97	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	0.97	
For >150 To 200, Add	0.63	
For >100 To 150, Add	1.26	
For >75 To 100, Add	1.88	
For >50 To 75, Add	2.51	
For >25 To 50, Add	3.77	
For Up To 25, Add	5.65	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.26	
For Bursting Ductile Iron Pipe, Add	3.14	
33 01 30 23-0015 LF 10" Diameter, Pneumatic Head Pipe Bursting .....	20.47	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.16	
For >150 To 200, Add	0.75	
For >100 To 150, Add	1.51	
For >75 To 100, Add	2.26	
For >50 To 75, Add	3.01	
For >25 To 50, Add	4.52	
For Up To 25, Add	6.77	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.51	
For Bursting Ductile Iron Pipe, Add	3.76	
33 01 30 23-0016 LF 12" Diameter, Pneumatic Head Pipe Bursting .....	23.34	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.38	
For >150 To 200, Add	0.90	
For >100 To 150, Add	1.79	
For >75 To 100, Add	2.69	
For >50 To 75, Add	3.58	
For >25 To 50, Add	5.38	
For Up To 25, Add	8.06	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.79	
For Bursting Ductile Iron Pipe, Add	4.48	
33 01 30 23-0017 LF 15" Diameter, Pneumatic Head Pipe Bursting .....	26.00	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.42	
For >150 To 200, Add	0.93	
For >100 To 150, Add	1.85	
For >75 To 100, Add	2.78	
For >50 To 75, Add	3.70	
For >25 To 50, Add	5.55	
For Up To 25, Add	8.33	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.85	
For Bursting Ductile Iron Pipe, Add	4.63	
33 01 30 23-0018 LF 18" Diameter, Pneumatic Head Pipe Bursting .....	28.88	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.65	
For >150 To 200, Add	1.07	
For >100 To 150, Add	2.14	
For >75 To 100, Add	3.21	
For >50 To 75, Add	4.28	
For >25 To 50, Add	6.41	
For Up To 25, Add	9.62	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.14	
For Bursting Ductile Iron Pipe, Add	5.35	
33 01 30 23-0019 LF 21"/22" Diameter, Pneumatic Head Pipe Bursting .....	36.69	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.96	
For >150 To 200, Add	1.27	
For >100 To 150, Add	2.54	
For >75 To 100, Add	3.82	
For >50 To 75, Add	5.09	
For >25 To 50, Add	7.63	
For Up To 25, Add	11.45	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.54	
For Bursting Ductile Iron Pipe, Add	6.36	
33 01 30 23-0020 LF 24" Diameter, Pneumatic Head Pipe Bursting .....	44.86	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.59	
For >150 To 200, Add	1.68	
For >100 To 150, Add	3.36	
For >75 To 100, Add	5.04	
For >50 To 75, Add	6.72	
For >25 To 50, Add	10.08	
For Up To 25, Add	15.12	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.36	
For Bursting Ductile Iron Pipe, Add	8.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0021 LF 30" Diameter, Pneumatic Head Pipe Bursting .....	49.86	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.68	
For >150 To 200, Add	1.74	
For >100 To 150, Add	3.49	
For >75 To 100, Add	5.23	
For >50 To 75, Add	6.97	
For >25 To 50, Add	10.46	
For Up To 25, Add	15.69	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.49	
For Bursting Ductile Iron Pipe, Add	8.72	
33 01 30 23-0022 LF 36" Diameter, Pneumatic Head Pipe Bursting .....	64.70	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.83	
For >150 To 200, Add	2.49	
For >100 To 150, Add	4.97	
For >75 To 100, Add	7.46	
For >50 To 75, Add	9.94	
For >25 To 50, Add	14.91	
For Up To 25, Add	22.37	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	4.97	
For Bursting Ductile Iron Pipe, Add	12.43	
<b>33 01 30 23-0023 Static Head Pipe Bursting</b> <small>(33 01 30 23-0006)</small>		
33 01 30 23-0024 LF 4" Diameter, Static Head Pipe Bursting .....	18.15	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	0.98	
For >150 To 200, Add	0.64	
For >100 To 150, Add	1.27	
For >75 To 100, Add	1.91	
For >50 To 75, Add	2.55	
For >25 To 50, Add	3.82	
For Up To 25, Add	5.73	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.27	
For Bursting Ductile Iron Pipe, Add	3.18	
33 01 30 23-0025 LF 6" Diameter, Static Head Pipe Bursting .....	20.23	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.14	
For >150 To 200, Add	0.74	
For >100 To 150, Add	1.48	
For >75 To 100, Add	2.22	
For >50 To 75, Add	2.96	
For >25 To 50, Add	4.44	
For Up To 25, Add	6.66	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.48	
For Bursting Ductile Iron Pipe, Add	3.70	
33 01 30 23-0026 LF 8" Diameter, Static Head Pipe Bursting .....	22.62	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.32	
For >150 To 200, Add	0.86	
For >100 To 150, Add	1.72	
For >75 To 100, Add	2.58	
For >50 To 75, Add	3.44	
For >25 To 50, Add	5.16	
For Up To 25, Add	7.74	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.72	
For Bursting Ductile Iron Pipe, Add	4.30	
33 01 30 23-0027 LF 10" Diameter, Static Head Pipe Bursting .....	25.73	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.56	
For >150 To 200, Add	1.02	
For >100 To 150, Add	2.03	
For >75 To 100, Add	3.05	
For >50 To 75, Add	4.06	
For >25 To 50, Add	6.09	
For Up To 25, Add	9.14	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.03	
For Bursting Ductile Iron Pipe, Add	5.08	
33 01 30 23-0028 LF 12" Diameter, Static Head Pipe Bursting .....	29.33	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.84	
For >150 To 200, Add	1.20	
For >100 To 150, Add	2.39	
For >75 To 100, Add	3.59	
For >50 To 75, Add	4.78	
For >25 To 50, Add	7.17	
For Up To 25, Add	10.76	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.39	
For Bursting Ductile Iron Pipe, Add	5.98	
33 01 30 23-0029 LF 15" Diameter, Static Head Pipe Bursting .....	34.12	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.05	
For >150 To 200, Add	1.33	
For >100 To 150, Add	2.66	
For >75 To 100, Add	3.99	
For >50 To 75, Add	5.32	
For >25 To 50, Add	7.99	
For Up To 25, Add	11.98	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.66	
For Bursting Ductile Iron Pipe, Add	6.66	



**33 Utilities****33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0030	LF		18" Diameter, Static Head Pipe Bursting .....	37.63	
			<i>For The Increase In Pipe Diameter By 1 Pipe Size, Add</i>	2.32	
			<i>For &gt;150 To 200, Add</i>	1.51	
			<i>For &gt;100 To 150, Add</i>	3.01	
			<i>For &gt;75 To 100, Add</i>	4.52	
			<i>For &gt;50 To 75, Add</i>	6.03	
			<i>For &gt;25 To 50, Add</i>	9.04	
			<i>For Up To 25, Add</i>	13.56	
			<i>For Bursting Polyvinyl Chloride (PVC) Pipe, Add</i>	3.01	
			<i>For Bursting Ductile Iron Pipe, Add</i>	7.53	
33 01 30 23-0031	LF		21"/22" Diameter, Static Head Pipe Bursting .....	47.33	
			<i>For The Increase In Pipe Diameter By 1 Pipe Size, Add</i>	2.78	
			<i>For &gt;150 To 200, Add</i>	1.80	
			<i>For &gt;100 To 150, Add</i>	3.61	
			<i>For &gt;75 To 100, Add</i>	5.41	
			<i>For &gt;50 To 75, Add</i>	7.22	
			<i>For &gt;25 To 50, Add</i>	10.82	
			<i>For Up To 25, Add</i>	16.24	
			<i>For Bursting Polyvinyl Chloride (PVC) Pipe, Add</i>	3.61	
			<i>For Bursting Ductile Iron Pipe, Add</i>	9.02	
33 01 30 23-0032	LF		24" Diameter, Static Head Pipe Bursting .....	61.01	
			<i>For The Increase In Pipe Diameter By 1 Pipe Size, Add</i>	3.83	
			<i>For &gt;150 To 200, Add</i>	2.49	
			<i>For &gt;100 To 150, Add</i>	4.98	
			<i>For &gt;75 To 100, Add</i>	7.46	
			<i>For &gt;50 To 75, Add</i>	9.95	
			<i>For &gt;25 To 50, Add</i>	14.93	
			<i>For Up To 25, Add</i>	22.39	
			<i>For Bursting Polyvinyl Chloride (PVC) Pipe, Add</i>	4.98	
			<i>For Bursting Ductile Iron Pipe, Add</i>	12.44	
33 01 30 23-0033	LF		30" Diameter, Static Head Pipe Bursting .....	74.46	
			<i>For The Increase In Pipe Diameter By 1 Pipe Size, Add</i>	4.58	
			<i>For &gt;150 To 200, Add</i>	2.97	
			<i>For &gt;100 To 150, Add</i>	5.95	
			<i>For &gt;75 To 100, Add</i>	8.92	
			<i>For &gt;50 To 75, Add</i>	11.89	
			<i>For &gt;25 To 50, Add</i>	17.84	
			<i>For Up To 25, Add</i>	26.76	
			<i>For Bursting Polyvinyl Chloride (PVC) Pipe, Add</i>	5.95	
			<i>For Bursting Ductile Iron Pipe, Add</i>	14.87	
33 01 30 23-0034	LF		36" Diameter, Static Head Pipe Bursting .....	89.53	
			<i>For The Increase In Pipe Diameter By 1 Pipe Size, Add</i>	5.74	
			<i>For &gt;150 To 200, Add</i>	3.73	
			<i>For &gt;100 To 150, Add</i>	7.45	
			<i>For &gt;75 To 100, Add</i>	11.18	
			<i>For &gt;50 To 75, Add</i>	14.91	
			<i>For &gt;25 To 50, Add</i>	22.36	
			<i>For Up To 25, Add</i>	33.54	
			<i>For Bursting Polyvinyl Chloride (PVC) Pipe, Add</i>	7.45	
			<i>For Bursting Ductile Iron Pipe, Add</i>	18.64	
<b>33 01 30 23-0035</b>			<b>Hydraulic Head Pipe Bursting</b> (33 01 30 23-0006)		
33 01 30 23-0036	LF		4" Diameter, Hydraulic Head Pipe Bursting .....	15.89	
			<i>For The Increase In Pipe Diameter By 1 Pipe Size, Add</i>	0.81	
			<i>For &gt;150 To 200, Add</i>	0.52	
			<i>For &gt;100 To 150, Add</i>	1.05	
			<i>For &gt;75 To 100, Add</i>	1.57	
			<i>For &gt;50 To 75, Add</i>	2.09	
			<i>For &gt;25 To 50, Add</i>	3.14	
			<i>For Up To 25, Add</i>	4.71	
			<i>For Bursting Polyvinyl Chloride (PVC) Pipe, Add</i>	1.05	
			<i>For Bursting Ductile Iron Pipe, Add</i>	2.62	
33 01 30 23-0037	LF		6" Diameter, Hydraulic Head Pipe Bursting .....	17.72	
			<i>For The Increase In Pipe Diameter By 1 Pipe Size, Add</i>	0.95	
			<i>For &gt;150 To 200, Add</i>	0.62	
			<i>For &gt;100 To 150, Add</i>	1.23	
			<i>For &gt;75 To 100, Add</i>	1.85	
			<i>For &gt;50 To 75, Add</i>	2.46	
			<i>For &gt;25 To 50, Add</i>	3.69	
			<i>For Up To 25, Add</i>	5.54	
			<i>For Bursting Polyvinyl Chloride (PVC) Pipe, Add</i>	1.23	
			<i>For Bursting Ductile Iron Pipe, Add</i>	3.08	
33 01 30 23-0038	LF		8" Diameter, Hydraulic Head Pipe Bursting .....	19.83	
			<i>For The Increase In Pipe Diameter By 1 Pipe Size, Add</i>	1.11	
			<i>For &gt;150 To 200, Add</i>	0.72	
			<i>For &gt;100 To 150, Add</i>	1.44	
			<i>For &gt;75 To 100, Add</i>	2.16	
			<i>For &gt;50 To 75, Add</i>	2.88	
			<i>For &gt;25 To 50, Add</i>	4.32	
			<i>For Up To 25, Add</i>	6.48	
			<i>For Bursting Polyvinyl Chloride (PVC) Pipe, Add</i>	1.44	
			<i>For Bursting Ductile Iron Pipe, Add</i>	3.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0039 LF 10" Diameter, Hydraulic Head Pipe Bursting .....	22.58	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.32	
For >150 To 200, Add	0.86	
For >100 To 150, Add	1.72	
For >75 To 100, Add	2.57	
For >50 To 75, Add	3.43	
For >25 To 50, Add	5.15	
For Up To 25, Add	7.72	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	1.72	
For Bursting Ductile Iron Pipe, Add	4.29	
33 01 30 23-0040 LF 12" Diameter, Hydraulic Head Pipe Bursting .....	25.73	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.56	
For >150 To 200, Add	1.02	
For >100 To 150, Add	2.03	
For >75 To 100, Add	3.05	
For >50 To 75, Add	4.06	
For >25 To 50, Add	6.09	
For Up To 25, Add	9.14	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.03	
For Bursting Ductile Iron Pipe, Add	5.08	
33 01 30 23-0041 LF 15" Diameter, Hydraulic Head Pipe Bursting .....	29.87	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.72	
For >150 To 200, Add	1.12	
For >100 To 150, Add	2.24	
For >75 To 100, Add	3.36	
For >50 To 75, Add	4.47	
For >25 To 50, Add	6.71	
For Up To 25, Add	10.07	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.24	
For Bursting Ductile Iron Pipe, Add	5.59	
33 01 30 23-0042 LF 18" Diameter, Hydraulic Head Pipe Bursting .....	33.31	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	1.99	
For >150 To 200, Add	1.29	
For >100 To 150, Add	2.58	
For >75 To 100, Add	3.87	
For >50 To 75, Add	5.16	
For >25 To 50, Add	7.74	
For Up To 25, Add	11.61	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	2.58	
For Bursting Ductile Iron Pipe, Add	6.45	
33 01 30 23-0043 LF 21"/22" Diameter, Hydraulic Head Pipe Bursting .....	42.17	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	2.38	
For >150 To 200, Add	1.55	
For >100 To 150, Add	3.09	
For >75 To 100, Add	4.64	
For >50 To 75, Add	6.18	
For >25 To 50, Add	9.28	
For Up To 25, Add	13.91	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	3.09	
For Bursting Ductile Iron Pipe, Add	7.73	
33 01 30 23-0044 LF 24" Diameter, Hydraulic Head Pipe Bursting .....	54.73	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	3.35	
For >150 To 200, Add	2.17	
For >100 To 150, Add	4.35	
For >75 To 100, Add	6.52	
For >50 To 75, Add	8.70	
For >25 To 50, Add	13.04	
For Up To 25, Add	19.57	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	4.35	
For Bursting Ductile Iron Pipe, Add	10.87	
33 01 30 23-0045 LF 30" Diameter, Hydraulic Head Pipe Bursting .....	67.41	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	4.04	
For >150 To 200, Add	2.62	
For >100 To 150, Add	5.24	
For >75 To 100, Add	7.86	
For >50 To 75, Add	10.48	
For >25 To 50, Add	15.73	
For Up To 25, Add	23.59	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	5.24	
For Bursting Ductile Iron Pipe, Add	13.11	
33 01 30 23-0046 LF 36" Diameter, Hydraulic Head Pipe Bursting .....	81.75	
For The Increase In Pipe Diameter By 1 Pipe Size, Add	5.14	
For >150 To 200, Add	3.34	
For >100 To 150, Add	6.68	
For >75 To 100, Add	10.01	
For >50 To 75, Add	13.35	
For >25 To 50, Add	20.03	
For Up To 25, Add	30.04	
For Bursting Polyvinyl Chloride (PVC) Pipe, Add	6.68	
For Bursting Ductile Iron Pipe, Add	16.69	
33 01 30 23-0047 Pipe Lining <small>(33 01 30 23-0001)</small>		
33 01 30 23-0048 Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining <small>(33 01 30 23-0047)</small>		
Note: Per each joint.		
33 01 30 23-0049 EA 4" To 15", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining .....	55.10	

**33 Utilities****33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01	30 23-0050	EA	>15" To 24", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining .....	63.22	
33 01	30 23-0051	EA	>24" To 36", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining .....	75.41	
<b>33 01 30</b>	<b>23-0052</b>		<b>High Density Polyethylene (HDPE) Pipe Lining, DR 17</b> <small>(33 01 30 23-0047)</small>		
			Note: Material only, to be installed behind bursting head. Excludes pipe joint fusion. See CSI section 33 01 30 23-0048 for pipe joint fusion.		
33 01	30 23-0053	LF	4" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	2.43	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-0.31	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	0.85	
			<i>For White Interior Pipe, Add</i>	0.57	
			<i>For Gray Interior Pipe, Add</i>	0.44	
33 01	30 23-0054	LF	5" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	3.35	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-0.48	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	1.29	
			<i>For White Interior Pipe, Add</i>	0.87	
			<i>For Gray Interior Pipe, Add</i>	0.66	
33 01	30 23-0055	LF	6" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	4.95	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-0.76	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	2.07	
			<i>For White Interior Pipe, Add</i>	1.40	
			<i>For Gray Interior Pipe, Add</i>	1.06	
33 01	30 23-0056	LF	7.125" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	5.62	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-0.88	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	2.39	
			<i>For White Interior Pipe, Add</i>	1.61	
			<i>For Gray Interior Pipe, Add</i>	1.22	
33 01	30 23-0057	LF	8" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	7.91	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-1.29	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	3.49	
			<i>For White Interior Pipe, Add</i>	2.36	
			<i>For Gray Interior Pipe, Add</i>	1.79	
33 01	30 23-0058	LF	10" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	11.88	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-2.00	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	5.43	
			<i>For White Interior Pipe, Add</i>	3.66	
			<i>For Gray Interior Pipe, Add</i>	2.78	
33 01	30 23-0059	LF	12" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	16.42	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-2.81	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	7.63	
			<i>For White Interior Pipe, Add</i>	5.15	
			<i>For Gray Interior Pipe, Add</i>	3.90	
33 01	30 23-0060	LF	13.375" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	18.01	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-3.09	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	8.40	
			<i>For White Interior Pipe, Add</i>	5.67	
			<i>For Gray Interior Pipe, Add</i>	4.30	
33 01	30 23-0061	LF	14" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	19.68	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-3.39	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	9.21	
			<i>For White Interior Pipe, Add</i>	6.21	
			<i>For Gray Interior Pipe, Add</i>	4.71	
33 01	30 23-0062	LF	16" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	25.50	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-4.43	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	12.02	
			<i>For White Interior Pipe, Add</i>	8.11	
			<i>For Gray Interior Pipe, Add</i>	6.15	
33 01	30 23-0063	LF	18" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	32.11	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-5.61	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	15.23	
			<i>For White Interior Pipe, Add</i>	10.28	
			<i>For Gray Interior Pipe, Add</i>	7.79	
33 01	30 23-0064	LF	20" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	39.47	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-6.92	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	18.80	
			<i>For White Interior Pipe, Add</i>	12.69	
			<i>For Gray Interior Pipe, Add</i>	9.61	
33 01	30 23-0065	LF	22" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	47.63	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-8.37	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	22.74	
			<i>For White Interior Pipe, Add</i>	15.35	
			<i>For Gray Interior Pipe, Add</i>	11.63	
33 01	30 23-0066	LF	24" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	56.58	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-9.97	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	27.08	
			<i>For White Interior Pipe, Add</i>	18.27	
			<i>For Gray Interior Pipe, Add</i>	13.84	
33 01	30 23-0067	LF	26" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	66.24	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-11.69	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	31.75	
			<i>For White Interior Pipe, Add</i>	21.43	
			<i>For Gray Interior Pipe, Add</i>	16.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0068 LF 28" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	76.78	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-13.56	
For DR 11 Polyethylene Pipe, 160 PSI, Add	36.84	
For White Interior Pipe, Add	24.86	
For Gray Interior Pipe, Add	18.83	
33 01 30 23-0069 LF 30" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	88.09	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-15.57	
For DR 11 Polyethylene Pipe, 160 PSI, Add	42.29	
For White Interior Pipe, Add	28.54	
For Gray Interior Pipe, Add	21.62	
33 01 30 23-0070 LF 32" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	100.18	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-17.71	
For DR 11 Polyethylene Pipe, 160 PSI, Add	48.10	
For White Interior Pipe, Add	32.46	
For Gray Interior Pipe, Add	24.59	
33 01 30 23-0071 LF 34" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	123.46	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-21.85	
For DR 11 Polyethylene Pipe, 160 PSI, Add	59.35	
For White Interior Pipe, Add	40.06	
For Gray Interior Pipe, Add	30.35	
33 01 30 23-0072 LF 36" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	126.93	
For DR 21 Polyethylene Pipe, 80 PSI, Deduct	-22.41	
For DR 11 Polyethylene Pipe, 160 PSI, Add	60.89	
For White Interior Pipe, Add	41.09	
For Gray Interior Pipe, Add	31.13	
<b>33 01 30 23-0073 Re-Connection Of Non-Renewed Laterals (33 01 30 23-0001)</b>		
<b>33 01 30 23-0074 Re-Connection Of Non-Renewed Laterals; Insert-A-Tee (33 01 30 23-0073)</b>		
Note: Includes cutting hole in pipe and excavation vacuum truck for exterior pipe lateral reconnection. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling, and back-fill material. See CSI section 01 74 19 00-0032 for hauling.		
33 01 30 23-0075 EA Re-Connection Of Non-Renewed Lateral, 6 To 8" Main With 4" Inserta-Tee.....	606.30	
For No Excavation, Deduct	-385.50	
33 01 30 23-0076 EA Re-Connection Of Non-Renewed Lateral, 8" Main With 6" Inserta-Tee.....	680.19	
For No Excavation, Deduct	-433.69	
33 01 30 23-0077 EA Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 4" Inserta-Tee .....	717.97	
For No Excavation, Deduct	-457.77	
33 01 30 23-0078 EA Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 6" Inserta-Tee .....	755.76	
For No Excavation, Deduct	-481.87	
33 01 30 23-0079 EA Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 8" Inserta-Tee .....	825.55	
For No Excavation, Deduct	-505.96	
33 01 30 23-0080 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 4" Inserta-Tee .....	767.55	
For No Excavation, Deduct	-481.87	
33 01 30 23-0081 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 6" Inserta-Tee .....	807.02	
For No Excavation, Deduct	-505.96	
33 01 30 23-0082 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 8" Inserta-Tee .....	870.07	
For No Excavation, Deduct	-530.05	
33 01 30 23-0083 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 10" Inserta-Tee .....	1,047.66	
For No Excavation, Deduct	-554.14	
33 01 30 23-0084 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 12" Inserta-Tee .....	1,105.66	
For No Excavation, Deduct	-578.24	
33 01 30 23-0085 EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 15" Inserta-Tee .....	1,386.00	
For No Excavation, Deduct	-602.33	
<b>33 01 30 23-0086 Re-Connection Of Non-Renewed Laterals; Saddle Style (33 01 30 23-0073)</b>		
Note: Includes excavation vacuum truck for exterior pipe lateral reconnection, fusion to high density polyethylene (HDPE) pipe for lateral. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling and back-fill material. See CSI section 01 74 19 00-0032 for hauling.		
33 01 30 23-0087 EA Re-Connection Of Non-Renewed Lateral, 6" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	1,741.93	
For No Excavation, Deduct	-430.24	
For Strap-On Saddle Type Instead Of Fusion Weld	-39.88	
33 01 30 23-0088 EA Re-Connection Of Non-Renewed Lateral, 8" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	1,977.54	
For No Excavation, Deduct	-447.45	
For Strap-On Saddle Type Instead Of Fusion Weld	-16.58	
33 01 30 23-0089 EA Re-Connection Of Non-Renewed Lateral, 10" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	3,070.61	
For No Excavation, Deduct	-464.66	
For Strap-On Saddle Type Instead Of Fusion Weld	135.33	
33 01 30 23-0090 EA Re-Connection Of Non-Renewed Lateral, 12" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	3,173.87	
For No Excavation, Deduct	-516.29	
For Strap-On Saddle Type Instead Of Fusion Weld	114.68	
33 01 30 23-0091 EA Re-Connection Of Non-Renewed Lateral, 14" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	6,333.60	
For No Excavation, Deduct	-650.70	
For Strap-On Saddle Type Instead Of Fusion Weld	564.55	
33 01 30 23-0092 EA Re-Connection Of Non-Renewed Lateral, 16" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	6,835.41	
For No Excavation, Deduct	-610.94	
For Strap-On Saddle Type Instead Of Fusion Weld	597.66	
33 01 30 23-0093 EA Re-Connection Of Non-Renewed Lateral, 18" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	9,494.14	
For No Excavation, Deduct	-671.17	
For Strap-On Saddle Type Instead Of Fusion Weld	954.30	
33 01 30 23-0094 EA Re-Connection Of Non-Renewed Lateral, 20" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	8,807.17	
For No Excavation, Deduct	-757.22	
For Strap-On Saddle Type Instead Of Fusion Weld	791.02	

**33 Utilities****33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0095 EA Re-Connection Of Non-Renewed Lateral, 24" Main With 4" Or 6" Saddle Tap (Mueller H-615).....	10,748.25	
For No Excavation, Deduct	-894.90	
For Strap-On Saddle Type Instead Of Fusion Weld	985.81	
<b>33 01 30 41 Cleaning of Sewers (33 01 30)</b>		
<b>33 01 30 41-0001 Pipe Line Cleaning And Flushing (33 01 30 41)</b>		
Note: Includes flushing. Owner provided water. See CSI section 33 01 30 89-0001 for bypass pumping and piping.		
<b>33 01 30 41-0002 Pipe Line Cleaning (33 01 30 41-0001)</b>		
Note: Includes removal of all debris/waste. Excludes disposal.		
<b>33 01 30 41-0003 Hydro Jet Set-up And Reinsertion (33 01 30 41-0002)</b>		
33 01 30 41-0004 EA Initial Set Up And Final Equipment Removal For Jet Cleaning .....	1,265.78	
33 01 30 41-0005 EA Move And Reset Up At Different Access/Location For Jet Cleaning.....	316.44	
<b>33 01 30 41-0006 Hydro Jet Cleaning Of Sewer And Water Pipelines (33 01 30 41-0002)</b>		
33 01 30 41-0007 LF Up To 4" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	1.71	
For >250 To 500, Deduct	-0.09	
For >500 To 1,000, Deduct	-0.17	
For >1,000 To 2,000, Deduct	-0.26	
For >2,000 To 5,000, Deduct	-0.34	
For >5,000, Deduct	-0.43	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	1.28	
33 01 30 41-0008 LF 6" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes .....	1.95	
For >250 To 500, Deduct	-0.10	
For >500 To 1,000, Deduct	-0.20	
For >1,000 To 2,000, Deduct	-0.29	
For >2,000 To 5,000, Deduct	-0.39	
For >5,000, Deduct	-0.49	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	1.46	
33 01 30 41-0009 LF 8" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes .....	2.29	
For >250 To 500, Deduct	-0.11	
For >500 To 1,000, Deduct	-0.23	
For >1,000 To 2,000, Deduct	-0.34	
For >2,000 To 5,000, Deduct	-0.46	
For >5,000, Deduct	-0.57	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	1.72	
33 01 30 41-0010 LF 10" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes .....	2.84	
For >250 To 500, Deduct	-0.14	
For >500 To 1,000, Deduct	-0.28	
For >1,000 To 2,000, Deduct	-0.43	
For >2,000 To 5,000, Deduct	-0.57	
For >5,000, Deduct	-0.71	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	2.13	
33 01 30 41-0011 LF 12" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes .....	3.22	
For >250 To 500, Deduct	-0.16	
For >500 To 1,000, Deduct	-0.32	
For >1,000 To 2,000, Deduct	-0.48	
For >2,000 To 5,000, Deduct	-0.64	
For >5,000, Deduct	-0.81	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	2.42	
33 01 30 41-0012 LF >12" To 16" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes .....	3.72	
For >250 To 500, Deduct	-0.19	
For >500 To 1,000, Deduct	-0.37	
For >1,000 To 2,000, Deduct	-0.56	
For >2,000 To 5,000, Deduct	-0.74	
For >5,000, Deduct	-0.93	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	2.79	
33 01 30 41-0013 LF >16" To 24" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	4.46	
For >250 To 500, Deduct	-0.22	
For >500 To 1,000, Deduct	-0.45	
For >1,000 To 2,000, Deduct	-0.67	
For >2,000 To 5,000, Deduct	-0.89	
For >5,000, Deduct	-1.12	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	3.35	
33 01 30 41-0014 LF >24" To 30" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	5.07	
For >250 To 500, Deduct	-0.25	
For >500 To 1,000, Deduct	-0.51	
For >1,000 To 2,000, Deduct	-0.76	
For >2,000 To 5,000, Deduct	-1.01	
For >5,000, Deduct	-1.27	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	3.80	
33 01 30 41-0015 LF >30" To 42" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	5.99	
For >250 To 500, Deduct	-0.30	
For >500 To 1,000, Deduct	-0.60	
For >1,000 To 2,000, Deduct	-0.90	
For >2,000 To 5,000, Deduct	-1.20	
For >5,000, Deduct	-1.50	
For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	4.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0016 LF >42" To 60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	7.54	
<i>For &gt;250 To 500, Deduct</i>	-0.38	
<i>For &gt;500 To 1,000, Deduct</i>	-0.75	
<i>For &gt;1,000 To 2,000, Deduct</i>	-1.13	
<i>For &gt;2,000 To 5,000, Deduct</i>	-1.51	
<i>For &gt;5,000, Deduct</i>	-1.89	
<i>For Heavy Cleaning, &gt;4 Passes (Includes Attached Mechanical Device), Add</i>	5.66	
33 01 30 41-0017 LF >60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes .....	8.79	
<i>For &gt;250 To 500, Deduct</i>	-0.44	
<i>For &gt;500 To 1,000, Deduct</i>	-0.88	
<i>For &gt;1,000 To 2,000, Deduct</i>	-1.32	
<i>For &gt;2,000 To 5,000, Deduct</i>	-1.76	
<i>For &gt;5,000, Deduct</i>	-2.20	
<i>For Heavy Cleaning, &gt;4 Passes (Includes Attached Mechanical Device), Add</i>	6.59	
<b>33 01 30 41-0018 Flushing Of Storm Water Pipelines</b> <small>(33 01 30 41-0002)</small>		
Note: To remove silt and small debris from storm drainage pipes. Excludes disposal.		
33 01 30 41-0019 LF 12" To 16" Diameter Pipe Line Flushing .....	0.62	
<i>For &gt;250 To 500, Deduct</i>	-0.03	
<i>For &gt;500 To 1,000, Deduct</i>	-0.06	
<i>For &gt;1,000 To 2,000, Deduct</i>	-0.09	
<i>For &gt;2,000 To 5,000, Deduct</i>	-0.12	
<i>For &gt;5,000, Deduct</i>	-0.16	
33 01 30 41-0020 LF >16" To 24" Diameter Pipe Line Flushing.....	0.72	
<i>For &gt;250 To 500, Deduct</i>	-0.04	
<i>For &gt;500 To 1,000, Deduct</i>	-0.07	
<i>For &gt;1,000 To 2,000, Deduct</i>	-0.11	
<i>For &gt;2,000 To 5,000, Deduct</i>	-0.14	
<i>For &gt;5,000, Deduct</i>	-0.18	
33 01 30 41-0021 LF >24" To 30" Diameter Pipe Line Flushing.....	0.84	
<i>For &gt;250 To 500, Deduct</i>	-0.04	
<i>For &gt;500 To 1,000, Deduct</i>	-0.08	
<i>For &gt;1,000 To 2,000, Deduct</i>	-0.13	
<i>For &gt;2,000 To 5,000, Deduct</i>	-0.17	
<i>For &gt;5,000, Deduct</i>	-0.21	
33 01 30 41-0022 LF >30" To 42" Diameter Pipe Line Flushing.....	0.98	
<i>For &gt;250 To 500, Deduct</i>	-0.05	
<i>For &gt;500 To 1,000, Deduct</i>	-0.10	
<i>For &gt;1,000 To 2,000, Deduct</i>	-0.15	
<i>For &gt;2,000 To 5,000, Deduct</i>	-0.20	
<i>For &gt;5,000, Deduct</i>	-0.25	
33 01 30 41-0023 LF >42" To 60" Diameter Pipe Line Flushing.....	1.30	
<i>For &gt;250 To 500, Deduct</i>	-0.07	
<i>For &gt;500 To 1,000, Deduct</i>	-0.13	
<i>For &gt;1,000 To 2,000, Deduct</i>	-0.20	
<i>For &gt;2,000 To 5,000, Deduct</i>	-0.26	
<i>For &gt;5,000, Deduct</i>	-0.33	
<b>33 01 30 41-0024 Hydro Jet Cleaning Of Culverts</b> <small>(33 01 30 41-0002)</small>		
33 01 30 41-0025 LF Jet Cleaning Of Culvert, 0-250 LF .....	7.87	
<i>For &gt;250 To 500, Deduct</i>	-0.39	
<i>For &gt;500 To 1,000, Deduct</i>	-0.79	
<i>For &gt;1,000 To 2,000, Deduct</i>	-1.18	
<i>For &gt;2,000 To 5,000, Deduct</i>	-1.57	
<i>For &gt;5,000, Deduct</i>	-1.97	
<b>33 01 30 41-0026 Pipe Line Cleaning, Mechanical Method</b> <small>(33 01 30 41-0001)</small>		
Note: Power winching buckets, scrapers, scooters, porcupines, brushes and other debris removing equipment. Includes removal of all debris/waste. Excludes disposal.		
33 01 30 41-0027 EA Initial Set Up And Final Equipment Removal For Mechanical Cleaning.....	551.48	
33 01 30 41-0028 EA Move And Reset Up At Different Access/Location.....	183.83	
33 01 30 41-0029 LF Up To 4" Diameter Pipe Line Cleaning, Mechanical Method .....	3.23	
<i>For &gt;250 To 500, Deduct</i>	-0.15	
<i>For &gt;500 To 1,000, Deduct</i>	-0.31	
<i>For &gt;1,000 To 2,000, Deduct</i>	-0.46	
<i>For &gt;2,000 To 5,000, Deduct</i>	-0.61	
<i>For &gt;5,000, Deduct</i>	-0.77	
33 01 30 41-0030 LF 6" Diameter Pipe Line Cleaning, Mechanical Method.....	4.27	
<i>For &gt;250 To 500, Deduct</i>	-0.20	
<i>For &gt;500 To 1,000, Deduct</i>	-0.39	
<i>For &gt;1,000 To 2,000, Deduct</i>	-0.59	
<i>For &gt;2,000 To 5,000, Deduct</i>	-0.79	
<i>For &gt;5,000, Deduct</i>	-0.98	
33 01 30 41-0031 LF 8" Diameter Pipe Line Cleaning, Mechanical Method.....	5.02	
<i>For &gt;250 To 500, Deduct</i>	-0.23	
<i>For &gt;500 To 1,000, Deduct</i>	-0.46	
<i>For &gt;1,000 To 2,000, Deduct</i>	-0.69	
<i>For &gt;2,000 To 5,000, Deduct</i>	-0.92	
<i>For &gt;5,000, Deduct</i>	-1.15	

**33 Utilities****33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0032 LF 10" Diameter Pipe Line Cleaning, Mechanical Method .....	5.82	
For >250 To 500, Deduct	-0.27	
For >500 To 1,000, Deduct	-0.53	
For >1,000 To 2,000, Deduct	-0.80	
For >2,000 To 5,000, Deduct	-1.06	
For >5,000, Deduct	-1.33	
33 01 30 41-0033 LF 12" Diameter Pipe Line Cleaning, Mechanical Method .....	6.33	
For >250 To 500, Deduct	-0.29	
For >500 To 1,000, Deduct	-0.57	
For >1,000 To 2,000, Deduct	-0.86	
For >2,000 To 5,000, Deduct	-1.15	
For >5,000, Deduct	-1.44	
33 01 30 41-0034 LF >12" To 16" Diameter Pipe Line Cleaning, Mechanical Method.....	7.32	
For >250 To 500, Deduct	-0.33	
For >500 To 1,000, Deduct	-0.66	
For >1,000 To 2,000, Deduct	-0.98	
For >2,000 To 5,000, Deduct	-1.31	
For >5,000, Deduct	-1.64	
33 01 30 41-0035 LF >16" To 24" Diameter Pipe Line Cleaning, Mechanical Method.....	9.29	
For >250 To 500, Deduct	-0.41	
For >500 To 1,000, Deduct	-0.81	
For >1,000 To 2,000, Deduct	-1.22	
For >2,000 To 5,000, Deduct	-1.62	
For >5,000, Deduct	-2.03	
33 01 30 41-0036 LF >24" To 30" Diameter Pipe Line Cleaning, Mechanical Method.....	10.73	
For >250 To 500, Deduct	-0.45	
For >500 To 1,000, Deduct	-0.91	
For >1,000 To 2,000, Deduct	-1.36	
For >2,000 To 5,000, Deduct	-1.81	
For >5,000, Deduct	-2.26	
33 01 30 41-0037 LF >30" To 42" Diameter Pipe Line Cleaning, Mechanical Method.....	12.52	
For >250 To 500, Deduct	-0.52	
For >500 To 1,000, Deduct	-1.04	
For >1,000 To 2,000, Deduct	-1.56	
For >2,000 To 5,000, Deduct	-2.08	
For >5,000, Deduct	-2.60	
33 01 30 41-0038 LF >42 To 60" Diameter Pipe Line Cleaning, Mechanical Method.....	16.32	
For >250 To 500, Deduct	-0.69	
For >500 To 1,000, Deduct	-1.38	
For >1,000 To 2,000, Deduct	-2.07	
For >2,000 To 5,000, Deduct	-2.76	
For >5,000, Deduct	-3.45	
33 01 30 41-0039 LF >60" Diameter Pipe Line Cleaning, Mechanical Method.....	18.69	
For >250 To 500, Deduct	-0.77	
For >500 To 1,000, Deduct	-1.53	
For >1,000 To 2,000, Deduct	-2.30	
For >2,000 To 5,000, Deduct	-3.06	
For >5,000, Deduct	-3.83	
<b>33 01 30 41-0040 Pipe Line Auguring/Rod Out Pipe</b> (33 01 30 41-0001)		
33 01 30 41-0041 EA Initial Set Up And Final Equipment Removal For Auguring.....	551.48	
33 01 30 41-0042 EA Move And Reset Up At Different Location .....	183.83	
33 01 30 41-0043 LF Up To 4" Diameter Pipe Line Auguring/Rod Out.....	1.84	
For >250 To 500, Deduct	-0.09	
For >500 To 1,000, Deduct	-0.18	
For >1,000 To 2,000, Deduct	-0.28	
For >2,000 To 5,000, Deduct	-0.37	
For >5,000, Deduct	-0.46	
33 01 30 41-0044 LF 6" Diameter Pipe Line Auguring/Rod Out.....	2.38	
For >250 To 500, Deduct	-0.12	
For >500 To 1,000, Deduct	-0.24	
For >1,000 To 2,000, Deduct	-0.36	
For >2,000 To 5,000, Deduct	-0.48	
For >5,000, Deduct	-0.60	
33 01 30 41-0045 LF 8" Diameter Pipe Line Auguring/Rod Out.....	2.76	
For >250 To 500, Deduct	-0.14	
For >500 To 1,000, Deduct	-0.28	
For >1,000 To 2,000, Deduct	-0.41	
For >2,000 To 5,000, Deduct	-0.55	
For >5,000, Deduct	-0.69	
33 01 30 41-0046 LF 10" Diameter Pipe Line Auguring/Rod Out.....	3.20	
For >250 To 500, Deduct	-0.16	
For >500 To 1,000, Deduct	-0.32	
For >1,000 To 2,000, Deduct	-0.48	
For >2,000 To 5,000, Deduct	-0.64	
For >5,000, Deduct	-0.80	
33 01 30 41-0047 LF 12" Diameter Pipe Line Auguring/Rod Out.....	3.44	
For >250 To 500, Deduct	-0.17	
For >500 To 1,000, Deduct	-0.34	
For >1,000 To 2,000, Deduct	-0.52	
For >2,000 To 5,000, Deduct	-0.69	
For >5,000, Deduct	-0.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0048 LF >12" To 16" Diameter Pipe Line Auguring/Rod Out.....	3.93	
<i>For &gt;250 To 500, Deduct</i>	-0.20	
<i>For &gt;500 To 1,000, Deduct</i>	-0.39	
<i>For &gt;1,000 To 2,000, Deduct</i>	-0.59	
<i>For &gt;2,000 To 5,000, Deduct</i>	-0.79	
<i>For &gt;5,000, Deduct</i>	-0.98	
33 01 30 41-0049 LF >16" To 24" Diameter Pipe Line Auguring/Rod Out.....	4.84	
<i>For &gt;250 To 500, Deduct</i>	-0.24	
<i>For &gt;500 To 1,000, Deduct</i>	-0.48	
<i>For &gt;1,000 To 2,000, Deduct</i>	-0.73	
<i>For &gt;2,000 To 5,000, Deduct</i>	-0.97	
<i>For &gt;5,000, Deduct</i>	-1.21	
33 01 30 41-0050 LF >24" To 30" Diameter Pipe Line Auguring/Rod Out.....	5.41	
<i>For &gt;250 To 500, Deduct</i>	-0.27	
<i>For &gt;500 To 1,000, Deduct</i>	-0.54	
<i>For &gt;1,000 To 2,000, Deduct</i>	-0.81	
<i>For &gt;2,000 To 5,000, Deduct</i>	-1.08	
<i>For &gt;5,000, Deduct</i>	-1.35	
33 01 30 41-0051 LF >30" To 42" Diameter Pipe Line Auguring/Rod Out.....	6.27	
<i>For &gt;250 To 500, Deduct</i>	-0.31	
<i>For &gt;500 To 1,000, Deduct</i>	-0.63	
<i>For &gt;1,000 To 2,000, Deduct</i>	-0.94	
<i>For &gt;2,000 To 5,000, Deduct</i>	-1.25	
<i>For &gt;5,000, Deduct</i>	-1.57	
33 01 30 41-0052 LF >42 To 60" Diameter Pipe Line Auguring/Rod Out.....	8.61	
<i>For &gt;250 To 500, Deduct</i>	-0.43	
<i>For &gt;500 To 1,000, Deduct</i>	-0.86	
<i>For &gt;1,000 To 2,000, Deduct</i>	-1.29	
<i>For &gt;2,000 To 5,000, Deduct</i>	-1.72	
<i>For &gt;5,000, Deduct</i>	-2.15	
33 01 30 41-0053 LF >60" Diameter Pipe Line Auguring/Rod Out.....	9.19	
<i>For &gt;250 To 500, Deduct</i>	-0.46	
<i>For &gt;500 To 1,000, Deduct</i>	-0.92	
<i>For &gt;1,000 To 2,000, Deduct</i>	-1.38	
<i>For &gt;2,000 To 5,000, Deduct</i>	-1.84	
<i>For &gt;5,000, Deduct</i>	-2.30	
<b>33 01 30 42</b>	<b>Cleaning of Manholes</b>	<small>(33 01 30)</small>
33 01 30 42-0001	Structure Cleaning And Flushing	<small>(33 01 30 42)</small>
	Note: Includes flushing. Owner provided water.	
33 01 30 42-0002	Rod Out Structures And Other Hand Operations	<small>(33 01 30 42-0001)</small>
33 01 30 42-0003 EA Rod Out Sewer Catch Basin.....	58.84	
33 01 30 42-0004 EA Up To 6" Diameter Pipe, Rod Out Blockage.....	11.76	
33 01 30 42-0005 EA 8" Diameter Pipe, Rod Out Blockage.....	12.94	
33 01 30 42-0006 EA 10" Diameter Pipe, Rod Out Blockage.....	14.72	
33 01 30 42-0007 EA 12" Diameter Pipe, Rod Out Blockage.....	17.07	
33 01 30 42-0008 EA >12" To 16" Diameter Pipe, Rod Out Blockage.....	20.01	
33 01 30 42-0009 EA >16" To 24" Diameter Pipe, Rod Out Blockage.....	23.54	
33 01 30 42-0010 EA >24" To 30" Diameter Pipe, Rod Out Blockage.....	27.66	
33 01 30 42-0011 EA >30" To 42" Diameter Pipe, Rod Out Blockage.....	31.77	
33 01 30 42-0012 EA >42" To 60" Diameter Pipe, Rod Out Blockage.....	37.07	
33 01 30 42-0013 EA >60" Diameter Pipe, Rod Out Blockage.....	44.13	
33 01 30 42-0014 EA Clean Out Debris From Entrance To Inlet Structure.....	147.10	
33 01 30 42-0015 EA 3' To 4' Diameter, Clean Out Blocked Manhole By Hand.....	389.66	
<i>For &gt;10 To 100, Deduct</i>	-58.45	
<i>For &gt;100 To 250, Deduct</i>	-87.67	
<i>For &gt;250, Deduct</i>	-116.90	
33 01 30 42-0016 EA 5' To 6' Diameter, Clean Out Blocked Manhole By Hand.....	467.58	
<i>For &gt;10 To 100, Deduct</i>	-70.14	
<i>For &gt;100 To 250, Deduct</i>	-105.21	
<i>For &gt;250, Deduct</i>	-140.27	
33 01 30 42-0017 EA Clean Out Blocked Catch Basin By Hand.....	233.80	
<i>For &gt;10 To 100, Deduct</i>	-35.07	
<i>For &gt;100 To 250, Deduct</i>	-52.61	
<i>For &gt;250, Deduct</i>	-70.14	
33 01 30 42-0018	Cleaning Manholes And Drainage Structures	<small>(33 01 30 42-0001)</small>
	Note: Includes removal of debris. Excludes disposal.	
33 01 30 42-0019 VLF Waterblast Cleaning For 3' To 4' Diameter Manhole.....	52.74	
33 01 30 42-0020 VLF Waterblast Cleaning For 5' To 6' Diameter Manhole.....	65.93	
33 01 30 42-0021 EA Vacuum Out 1 To 2 Catch Basins Or Manholes.....	869.59	
Note: Includes vacuum pump equipment.		
33 01 30 42-0022 EA Vacuum Out 3 To 10 Catch Basins Or Manholes.....	652.20	
Note: Includes vacuum pump equipment.		
33 01 30 42-0023 EA Vacuum Out 11 To 25 Catch Basins Or Manholes.....	434.79	
Note: Includes vacuum pump equipment.		
33 01 30 42-0024 EA Vacuum Out 26 To 100 Catch Basins Or Manholes.....	380.44	
Note: Includes vacuum pump equipment.		
33 01 30 42-0025 EA Vacuum Out 101 To 250 Catch Basins Or Manholes.....	353.28	
Note: Includes vacuum pump equipment.		



**33 Utilities****33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 42-0026 EA Vacuum Out >250 Catch Basins Or Manholes .....326.10  
Note: Includes vacuum pump equipment.

**33 01 30 43 Removal of Protruding Service Connection (33 01 30)****33 01 30 43-0001 Trim Protruding Service Taps (33 01 30 43)**

33 01 30 43-0002 EA Trim Protruding Service Tap, 4", Robotic.....340.41  
33 01 30 43-0003 EA Trim Protruding Service Tap, 6", Robotic.....374.46  
33 01 30 43-0004 EA Trim Protruding Service Tap, 8", Robotic.....408.50

**33 01 30 51 Maintenance Of Utilities (33 01 30)****33 01 30 51-0001 Pipe Repair (33 01 30 51)****33 01 30 51-0002 Pipe Repair Clamp, Full Circle, Single Band (33 01 30 51-0001)**

Note: Repair clamps for asbestos cement pipe, cast iron soil pipe, non-reinforced concrete pipe, PVC pipe, vitrified clay pipe, gray iron pipe and ductile iron pipe.

33 01 30 51-0003 EA 2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....109.02  
For Stainless Steel Nuts And Bolts, Add 19.70  
33 01 30 51-0004 EA 2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....157.39  
For Stainless Steel Nuts And Bolts, Add 29.69  
33 01 30 51-0005 EA 2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....182.82  
For Stainless Steel Nuts And Bolts, Add 34.96  
33 01 30 51-0006 EA 2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....208.85  
For Stainless Steel Nuts And Bolts, Add 40.22  
33 01 30 51-0007 EA 2-1/2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....117.79  
For Stainless Steel Nuts And Bolts, Add 21.39  
33 01 30 51-0008 EA 2-1/2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....167.48  
For Stainless Steel Nuts And Bolts, Add 31.68  
33 01 30 51-0009 EA 2-1/2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....192.72  
For Stainless Steel Nuts And Bolts, Add 36.83  
33 01 30 51-0010 EA 2-1/2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....223.49  
For Stainless Steel Nuts And Bolts, Add 43.10  
33 01 30 51-0011 EA 3" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....127.25  
For Stainless Steel Nuts And Bolts, Add 23.40  
33 01 30 51-0012 EA 3" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....174.46  
For Stainless Steel Nuts And Bolts, Add 33.12  
33 01 30 51-0013 EA 3" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....202.47  
For Stainless Steel Nuts And Bolts, Add 38.83  
33 01 30 51-0014 EA 3" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....237.28  
For Stainless Steel Nuts And Bolts, Add 46.10  
33 01 30 51-0015 EA 4" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....143.72  
For Stainless Steel Nuts And Bolts, Add 26.61  
33 01 30 51-0016 EA 4" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....190.81  
For Stainless Steel Nuts And Bolts, Add 35.82  
33 01 30 51-0017 EA 4" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....231.65  
For Stainless Steel Nuts And Bolts, Add 43.61  
33 01 30 51-0018 EA 4" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....279.17  
For Stainless Steel Nuts And Bolts, Add 52.60  
33 01 30 51-0019 EA 4" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....367.73  
For Stainless Steel Nuts And Bolts, Add 70.65  
33 01 30 51-0020 EA 4" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....458.68  
For Stainless Steel Nuts And Bolts, Add 88.70  
33 01 30 51-0021 EA 4" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....560.43  
For Stainless Steel Nuts And Bolts, Add 108.81  
33 01 30 51-0022 EA 6" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....169.12  
For Stainless Steel Nuts And Bolts, Add 31.40  
33 01 30 51-0023 EA 6" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....225.94  
For Stainless Steel Nuts And Bolts, Add 42.60  
33 01 30 51-0024 EA 6" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....267.29  
For Stainless Steel Nuts And Bolts, Add 50.23  
33 01 30 51-0025 EA 6" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....312.45  
For Stainless Steel Nuts And Bolts, Add 58.37  
33 01 30 51-0026 EA 6" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....438.14  
For Stainless Steel Nuts And Bolts, Add 84.58  
33 01 30 51-0027 EA 6" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....533.18  
For Stainless Steel Nuts And Bolts, Add 103.14  
33 01 30 51-0028 EA 6" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....636.90  
For Stainless Steel Nuts And Bolts, Add 123.25  
33 01 30 51-0029 EA 8" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....215.49  
For Stainless Steel Nuts And Bolts, Add 37.57  
33 01 30 51-0030 EA 8" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....281.32  
For Stainless Steel Nuts And Bolts, Add 49.71  
33 01 30 51-0031 EA 8" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....339.79  
For Stainless Steel Nuts And Bolts, Add 60.16  
33 01 30 51-0032 EA 8" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....405.54  
For Stainless Steel Nuts And Bolts, Add 71.68  
33 01 30 51-0033 EA 8" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....544.55  
For Stainless Steel Nuts And Bolts, Add 99.31  
33 01 30 51-0034 EA 8" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....651.26  
For Stainless Steel Nuts And Bolts, Add 118.75  
33 01 30 51-0035 EA 8" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....770.03  
For Stainless Steel Nuts And Bolts, Add 139.77



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0036 EA 10" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	254.87 45.73	
33 01 30 51-0037 EA 10" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	345.06 63.25	
33 01 30 51-0038 EA 10" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	405.60 73.95	
33 01 30 51-0039 EA 10" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	498.71 91.46	
33 01 30 51-0040 EA 10" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	660.64 124.06	
33 01 30 51-0041 EA 10" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	748.23 138.66	
33 01 30 51-0042 EA 10" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	969.40 182.93	
33 01 30 51-0043 EA 12" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	289.43 51.58	
33 01 30 51-0044 EA 12" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	379.72 68.59	
33 01 30 51-0045 EA 12" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	458.66 83.00	
33 01 30 51-0046 EA 12" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	565.77 103.14	
33 01 30 51-0047 EA 12" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	733.11 136.23	
33 01 30 51-0048 EA 12" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	860.53 159.09	
33 01 30 51-0049 EA 12" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,099.58 206.28	
<b>33 01 30 51-0050 Pipe Repair Clamp, Full Circle, Double Bands</b> <small>(33 01 30 51-0001)</small> Note: Repair clamps for reinforced concrete pipe, gray iron pipe and ductile iron pipe.		
33 01 30 51-0051 EA 14.38"-15.13" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	672.28 198.43	
33 01 30 51-0052 EA 14.38"-15.13" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	958.12 286.46	
33 01 30 51-0053 EA 14.38"-15.13" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,292.85 388.48	
33 01 30 51-0054 EA 14.38"-15.13" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,917.36 585.52	
33 01 30 51-0055 EA 15.07"-15.82" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	705.56 208.20	
33 01 30 51-0056 EA 15.07"-15.82" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,002.84 299.74	
33 01 30 51-0057 EA 15.07"-15.82" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,349.65 405.25	
33 01 30 51-0058 EA 15.07"-15.82" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	2,009.62 613.46	
33 01 30 51-0059 EA 15.92"-16.67" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	722.49 212.40	
33 01 30 51-0060 EA 15.92"-16.67" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,025.17 305.34	
33 01 30 51-0061 EA 15.92"-16.67" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,383.56 414.33	
33 01 30 51-0062 EA 15.92"-16.67" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	2,058.42 626.73	
33 01 30 51-0063 EA 16.56"-17.31" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	740.03 216.59	
33 01 30 51-0064 EA 16.56"-17.31" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,050.52 311.63	
33 01 30 51-0065 EA 16.56"-17.31" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,415.27 422.01	
33 01 30 51-0066 EA 16.56"-17.31" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	2,106.52 639.31	
33 01 30 51-0067 EA 17.15"-17.90" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	755.55 220.09	

**33 Utilities****33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0068 EA 17.15"-17.90" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	1,071.72	
For Stainless Steel Nuts And Bolts, Add .....	316.51	
33 01 30 51-0069 EA 17.15"-17.90" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	1,447.00	
For Stainless Steel Nuts And Bolts, Add .....	429.70	
33 01 30 51-0070 EA 17.15"-17.90" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	2,149.08	
For Stainless Steel Nuts And Bolts, Add .....	649.79	
33 01 30 51-0071 EA 17.82"-18.57" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	770.39	
For Stainless Steel Nuts And Bolts, Add .....	223.59	
33 01 30 51-0072 EA 17.82"-18.57" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	1,094.03	
For Stainless Steel Nuts And Bolts, Add .....	322.10	
33 01 30 51-0073 EA 17.82"-18.57" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	1,475.38	
For Stainless Steel Nuts And Bolts, Add .....	436.69	
33 01 30 51-0074 EA 17.82"-18.57" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	2,174.91	
For Stainless Steel Nuts And Bolts, Add .....	655.03	
33 01 30 51-0075 EA 18.46"-19.21" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	787.75	
For Stainless Steel Nuts And Bolts, Add .....	227.94	
33 01 30 51-0076 EA 18.46"-19.21" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	1,120.77	
For Stainless Steel Nuts And Bolts, Add .....	329.09	
33 01 30 51-0077 EA 18.46"-19.21" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	1,505.79	
For Stainless Steel Nuts And Bolts, Add .....	444.37	
33 01 30 51-0078 EA 18.46"-19.21" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228) .....	2,239.17	
For Stainless Steel Nuts And Bolts, Add .....	673.55	
<b>33 01 30 51-0079 Repair Couplings and Fittings (33 01 30 51-0001)</b>		
<b>33 01 30 51-0080 Couplings And Fittings For Copper Pipe, Compression (33 01 30 51-0079)</b> Note: Includes gaskets. Dresser style 88.		
<b>33 01 30 51-0081 Copper Compression Repair Couplings (33 01 30 51-0080)</b>		
33 01 30 51-0082 EA 1/2" Copper Compression Repair Coupling .....	65.54	
33 01 30 51-0083 EA 3/4" Copper Compression Repair Coupling .....	75.95	
33 01 30 51-0084 EA 1" Copper Compression Repair Coupling .....	89.38	
33 01 30 51-0085 EA 1-1/4" Copper Compression Repair Coupling .....	100.34	
33 01 30 51-0086 EA 1-1/2" Copper Compression Repair Coupling .....	158.86	
<b>33 01 30 51-0087 Copper Compression Repair Fitting, 90 Degree Elbows (33 01 30 51-0080)</b>		
33 01 30 51-0088 EA 1/2" Copper Compression Repair 90 Degree Elbow .....	80.39	
33 01 30 51-0089 EA 1" Copper Compression Repair 90 Degree Elbow .....	91.51	
33 01 30 51-0090 EA 1-1/2" Copper Compression Repair 90 Degree Elbow .....	192.61	
33 01 30 51-0091 EA 1" IPS x 1" CTS 90 Degree Plain End Street Elbow .....	71.63	
33 01 30 51-0092 EA 3/4" IPS x 3/4" CTS 90 Degree Threaded End Street Elbow .....	64.83	
33 01 30 51-0093 EA 1" IPS x 1" CTS 90 Degree Threaded End Street Elbow .....	75.93	
33 01 30 51-0094 EA 1-1/4" IPS x 1" CTS 90 Degree Threaded End Street Elbow .....	94.98	
<b>33 01 30 51-0095 Copper Compression Repair Fitting, Tees (33 01 30 51-0080)</b>		
33 01 30 51-0096 EA 1/2" Copper Compression Repair Tee .....	150.17	
33 01 30 51-0097 EA 3/4" Copper Compression Repair Tee .....	111.28	
33 01 30 51-0098 EA 1" Copper Compression Repair Tee .....	132.52	
33 01 30 51-0099 EA 1" F x 1" M x 1" CTS Street Tee .....	106.20	
<b>33 01 30 51-0100 Copper Compression Repair Fitting, Male Adapters (33 01 30 51-0080)</b>		
33 01 30 51-0101 EA 3/4" M x 1/2" CTS Male Adapter .....	70.08	
33 01 30 51-0102 EA 3/4" M x 3/4" CTS Male Adapter .....	54.72	
33 01 30 51-0103 EA 1" M x 1" CTS Male Adapter .....	61.38	
33 01 30 51-0104 EA 1-1/4" M x 1" CTS Male Adapter .....	73.36	
33 01 30 51-0105 EA 1-1/4" M x 1-1/4" CTS Male Adapter .....	90.06	
33 01 30 51-0106 EA 1-1/2" M x 1" CTS Male Adapter .....	97.45	
<b>33 01 30 51-0107 Copper Compression Repair Fitting, Female Adapters (33 01 30 51-0080)</b>		
33 01 30 51-0108 EA 3/4" M x 3/4" CTS Female Adapter .....	82.92	
33 01 30 51-0109 EA 1" M x 1" CTS Female Adapter .....	86.38	
<b>33 01 30 51-0110 Couplings And Fittings For Steel Pipe, Cast Body, Compression (33 01 30 51-0079)</b> Note: Includes gaskets. Dresser style 90.		



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 01 30 51-0111</b>	<b>Couplings For Steel Pipe, Cast Body (Compression)</b> <small>(33 01 30 51-0110)</small>			
		Note: Includes gaskets.		
33 01 30 51-0112	EA 1/2" Coupling, Cast Body (Compression), 5" Middle Ring .....		42.61	
33 01 30 51-0113	EA 3/4" Coupling, Cast Body (Compression), 5" Middle Ring .....		42.65	
33 01 30 51-0114	EA 1" Coupling, Cast Body (Compression), 5" Middle Ring .....		47.91	
33 01 30 51-0115	EA 1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring .....		53.22	
33 01 30 51-0116	EA 1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring .....		65.71	
33 01 30 51-0117	EA 2" Coupling, Cast Body (Compression), 5" Middle Ring .....		80.04	
33 01 30 51-0118	EA 1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket .....		43.87	
33 01 30 51-0119	EA 3/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket .....		44.04	
33 01 30 51-0120	EA 1" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket .....		48.12	
33 01 30 51-0121	EA 1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket .....		53.87	
33 01 30 51-0122	EA 1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket .....		67.82	
33 01 30 51-0123	EA 2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket .....		80.97	
33 01 30 51-0124	EA 3/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket .....		85.88	
33 01 30 51-0125	EA 1" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket .....		100.49	
33 01 30 51-0126	EA 1-1/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket .....		104.15	
33 01 30 51-0127	EA 1-1/2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket .....		116.53	
33 01 30 51-0128	EA 2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket .....		141.91	
<b>33 01 30 51-0129</b>	<b>Reducing Couplings For Steel Pipe (Compression)</b> <small>(33 01 30 51-0110)</small>			
		Note: Includes armored gaskets.		
33 01 30 51-0130	EA 3/4" x 1/2" Reducing Coupling (Compression).....		46.86	
33 01 30 51-0131	EA 1" x 3/4" Reducing Coupling (Compression).....		49.28	
33 01 30 51-0132	EA 1-1/4" x 3/4" Reducing Coupling (Compression).....		55.52	
33 01 30 51-0133	EA 1-1/4" x 1" Reducing Coupling (Compression).....		57.84	
33 01 30 51-0134	EA 1-1/2" x 3/4" Reducing Coupling (Compression).....		114.21	
33 01 30 51-0135	EA 1-1/2" x 1" Reducing Coupling (Compression).....		69.31	
33 01 30 51-0136	EA 1-1/2" x 1-1/4" Reducing Coupling (Compression) .....		69.64	
33 01 30 51-0137	EA 2" x 3/4" Reducing Coupling (Compression).....		136.38	
33 01 30 51-0138	EA 2" x 1" Reducing Coupling (Compression).....		123.48	
33 01 30 51-0139	EA 2" x 1-1/4" Reducing Coupling (Compression).....		92.79	
33 01 30 51-0140	EA 2" x 1-1/2" Reducing Coupling (Compression).....		92.45	
<b>33 01 30 51-0141</b>	<b>Steel Compression Repair Fittings, Elbows</b> <small>(33 01 30 51-0110)</small>			
		Note: Includes armored gaskets.		
33 01 30 51-0142	EA 1" 45 Degree Elbow (Compression).....		78.89	
33 01 30 51-0143	EA 1-1/4" 45 Degree Elbow (Compression) .....		81.83	
33 01 30 51-0144	EA 1-1/2" 45 Degree Elbow (Compression) .....		105.87	
33 01 30 51-0145	EA 2" 45 Degree Elbow (Compression).....		133.97	
33 01 30 51-0146	EA 3/4" 90 Degree Elbow (Compression).....		52.21	
33 01 30 51-0147	EA 1" 90 Degree Elbow (Compression).....		53.76	
33 01 30 51-0148	EA 1-1/4" 90 Degree Elbow (Compression) .....		63.06	
33 01 30 51-0149	EA 1-1/2" 90 Degree Elbow (Compression) .....		90.65	
33 01 30 51-0150	EA 2" 90 Degree Elbow (Compression).....		98.78	
33 01 30 51-0151	EA 3/4" Plain End 90 Degree Street Elbow (Compression).....		52.38	
33 01 30 51-0152	EA 1" Plain End 90 Degree Street Elbow (Compression).....		45.40	
33 01 30 51-0153	EA 1-1/4" Plain End 90 Degree Street Elbow (Compression).....		51.23	
33 01 30 51-0154	EA 1-1/2" Plain End 90 Degree Street Elbow (Compression).....		64.84	
33 01 30 51-0155	EA 2" Plain End 90 Degree Street Elbow (Compression).....		84.19	
33 01 30 51-0156	EA 3/4" Threaded End 90 Degree Street Elbow (Compression) .....		54.20	
33 01 30 51-0157	EA 1" Threaded End 90 Degree Street Elbow (Compression) .....		48.80	
33 01 30 51-0158	EA 1-1/4" Threaded End 90 Degree Street Elbow (Compression) .....		63.87	
33 01 30 51-0159	EA 1-1/2" Threaded End 90 Degree Street Elbow (Compression) .....		76.91	
33 01 30 51-0160	EA 2" Threaded End 90 Degree Street Elbow (Compression) .....		109.99	
<b>33 01 30 51-0161</b>	<b>Steel Compression Repair Fittings, Tees</b> <small>(33 01 30 51-0110)</small>			
		Note: Includes armored gaskets.		
33 01 30 51-0162	EA 3/4" Street Tee (Compression) .....		56.37	
33 01 30 51-0163	EA 1" Street Tee (Compression) .....		66.40	
33 01 30 51-0164	EA 1-1/4" Street Tee (Compression) .....		66.49	
33 01 30 51-0165	EA 1-1/2" Street Tee (Compression) .....		76.28	
33 01 30 51-0166	EA 2" Street Tee (Compression) .....		117.46	
33 01 30 51-0167	EA 1-1/4" x 1-1/4" x 1" Reducing Street Tee (Compression).....		65.84	
33 01 30 51-0168	EA 1-1/4" x 1" x 1-1/4" Reducing Street Tee (Compression).....		69.13	
33 01 30 51-0169	EA 1-1/2" x 1-1/2" x 1" Reducing Street Tee (Compression).....		86.61	
33 01 30 51-0170	EA 1-1/2" x 1-1/2" x 1-1/4" Reducing Street Tee (Compression).....		101.50	
33 01 30 51-0171	EA 1-1/2" x 1" x 1-1/2" Reducing Street Tee (Compression).....		102.15	
33 01 30 51-0172	EA 1-1/2" x 1-1/4" x 1-1/2" Reducing Street Tee (Compression).....		85.21	
33 01 30 51-0173	EA 2" x 1-1/4" x 2" Reducing Street Tee (Compression) .....		114.25	
33 01 30 51-0174	EA 2" x 1-1/2" x 2" Reducing Street Tee (Compression) .....		130.79	
33 01 30 51-0175	EA 3/4" Welding Street Tee (Compression) .....		106.00	
33 01 30 51-0176	EA 1" Welding Street Tee (Compression) .....		105.68	
33 01 30 51-0177	EA 1-1/4" Welding Street Tee (Compression) .....		113.05	
33 01 30 51-0178	EA 1-1/2" Welding Street Tee (Compression) .....		135.83	
33 01 30 51-0179	EA 2" Welding Street Tee (Compression) .....		183.89	
33 01 30 51-0180	EA 3/4" Regular Tee (Compression) .....		77.13	
33 01 30 51-0181	EA 1" Regular Tee (Compression) .....		137.18	

**33 Utilities****33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0182 EA 1-1/4" Regular Tee (Compression) .....	144.48	
33 01 30 51-0183 EA 1-1/2" Regular Tee (Compression) .....	154.27	
33 01 30 51-0184 EA 2" Regular Tee (Compression) .....	170.49	
33 01 30 51-0185 EA 2" x 2" x 1-1/4" Regular Reducing Tee (Compression) .....	167.84	
<b>33 01 30 51-0186 Steel Compression Repair Fittings, Male Adapters</b> <small>(33 01 30 51-0110)</small>		
Note: Includes armored gaskets.		
33 01 30 51-0187 EA 3/4" Male Adapter (Compression) .....	52.06	
33 01 30 51-0188 EA 1" Male Adapter (Compression) .....	57.89	
33 01 30 51-0189 EA 1-1/4" Male Adapter (Compression) .....	75.96	
33 01 30 51-0190 EA 1-1/2" Male Adapter (Compression) .....	85.36	
33 01 30 51-0191 EA 2" Male Adapter (Compression) .....	96.01	
33 01 30 51-0192 EA 1" x 1-1/4" Male Adapter (Compression) .....	75.53	
<b>33 01 30 51-0193 Steel Compression Repair Fittings, Line Caps</b> <small>(33 01 30 51-0110)</small>		
Note: Includes armored gaskets.		
33 01 30 51-0194 EA 3/4" Line Caps (Compression) .....	28.06	
33 01 30 51-0195 EA 1" Line Caps (Compression) .....	32.66	
33 01 30 51-0196 EA 1-1/4" Line Caps (Compression) .....	37.36	
33 01 30 51-0197 EA 1-1/2" Line Caps (Compression) .....	43.84	
33 01 30 51-0198 EA 2" Line Caps (Compression) .....	54.20	
<b>33 01 30 51-0199 Grind Offset Joint</b> <small>(33 01 30 51-0001)</small>		
33 01 30 51-0200 EA 6" To 10", Grind Drop Offset Joint .....	204.25	
33 01 30 51-0201 EA >10" To 15", Grind Drop Offset Joint .....	272.33	
33 01 30 51-0202 EA >15" To 24", Grind Drop Offset Joint .....	340.41	
33 01 30 51-0203 EA >24" To 30", Grind Drop Offset Joint .....	408.50	
<b>33 01 30 51-0204 Temporary Pipe Plugging</b> <small>(33 01 30 51-0001)</small>		
<b>33 01 30 51-0205 Gravity Bladder Pipe Plugging</b> <small>(33 01 30 51-0204)</small>		
Note: Includes insertion of expandable bladder device into pipe, expanding to block flow and removal.		
33 01 30 51-0206 EA 3/4" Bladder Type Pipe Plug .....	35.07	
33 01 30 51-0207 EA 1" Bladder Type Pipe Plug .....	37.71	
33 01 30 51-0208 EA 1-1/4" Bladder Type Pipe Plug .....	41.69	
33 01 30 51-0209 EA 1-1/2" Bladder Type Pipe Plug .....	45.13	
33 01 30 51-0210 EA 2" Bladder Type Pipe Plug .....	48.30	
33 01 30 51-0211 EA 2-1/2" Bladder Type Pipe Plug .....	52.27	
33 01 30 51-0212 EA 3" Bladder Type Pipe Plug .....	58.24	
33 01 30 51-0213 EA 4" Bladder Type Pipe Plug .....	64.44	
33 01 30 51-0214 EA 5" Bladder Type Pipe Plug .....	69.57	
33 01 30 51-0215 EA 6" Bladder Type Pipe Plug .....	77.20	
33 01 30 51-0216 EA 8" Bladder Type Pipe Plug .....	86.02	
33 01 30 51-0217 EA 10" Bladder Type Pipe Plug .....	99.44	
33 01 30 51-0218 EA 12" Bladder Type Pipe Plug .....	123.99	
33 01 30 51-0219 EA 14" Bladder Type Pipe Plug .....	146.15	
33 01 30 51-0220 EA 16" Bladder Type Pipe Plug .....	175.45	
33 01 30 51-0221 EA 18" Bladder Type Pipe Plug .....	210.70	
33 01 30 51-0222 EA 20" Bladder Type Pipe Plug .....	256.06	
33 01 30 51-0223 EA 24" Bladder Type Pipe Plug .....	298.04	
<b>33 01 30 51-0224 Hydra Stop, Hot Tapping Of Pressure Pipe</b> <small>(33 01 30 51-0204)</small>		
Note: Includes flanged or threaded lateral outlet, cutting and tapping pipe, insertion of expandable bladder device into pipe, expanding to block flow, and removal of bladder/cutting device.		
33 01 30 51-0225 EA 2" Hydra Stop, Line Stopper .....	1,417.44	
33 01 30 51-0226 EA 2-1/2" Hydra Stop, Line Stopper .....	1,779.30	
33 01 30 51-0227 EA 3" Hydra Stop, Line Stopper .....	2,186.15	
33 01 30 51-0228 EA 4" Hydra Stop, Line Stopper .....	2,609.98	
33 01 30 51-0229 EA 5" Hydra Stop, Line Stopper .....	2,906.36	
33 01 30 51-0230 EA 6" Hydra Stop, Line Stopper .....	3,349.21	
33 01 30 51-0231 EA 8" Hydra Stop, Line Stopper .....	3,645.59	
33 01 30 51-0232 EA 10" Hydra Stop, Line Stopper .....	4,088.41	
33 01 30 51-0233 EA 12" Hydra Stop, Line Stopper .....	4,531.25	
33 01 30 51-0234 EA 14" Hydra Stop, Line Stopper .....	5,011.56	
33 01 30 51-0235 EA 16" Hydra Stop, Line Stopper .....	5,716.81	
33 01 30 51-0236 EA 18" Hydra Stop, Line Stopper .....	6,534.50	
33 01 30 51-0237 EA 20" Hydra Stop, Line Stopper .....	7,876.95	
<b>33 01 30 51-0238 Aluminum Expansion Plugs</b> <small>(33 01 30 51-0204)</small>		
Note: For use with PVC, clay Or cast iron drainage pipe.		
33 01 30 51-0239 EA 3" Pipe Plug .....	43.93	
33 01 30 51-0240 EA 4" Pipe Plug .....	63.31	
33 01 30 51-0241 EA 5" Pipe Plug .....	71.36	
33 01 30 51-0242 EA 6" Pipe Plug .....	108.50	
33 01 30 51-0243 EA 8" Pipe Plug .....	111.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0244 EA 10" Pipe Plug .....	139.52	
33 01 30 51-0245 EA 12" Pipe Plug .....	188.77	
33 01 30 51-0246 EA 14" Pipe Plug .....	305.04	
33 01 30 51-0247 EA 15" Pipe Plug .....	330.41	
<b>33 01 30 51-0248 Polyseal Pipe Coupler</b> <small>(33 01 30 51-0001)</small>		
33 01 30 51-0249 EA 18" Diameter Pipe, PolySeal Repair Couplers (MarMac) .....	199.76	
33 01 30 51-0250 EA 24" Diameter Pipe, PolySeal Repair Couplers (MarMac) .....	225.59	
<b>33 01 30 63 Sewer and Pipe Joint Sealing</b> <small>(33 01 30)</small>		
<b>33 01 30 63-0001 Joint Air Test</b> <small>(33 01 30 63)</small>		
33 01 30 63-0002 EA 4" To 8", Joint Air Test .....	49.37	
33 01 30 63-0003 EA 10" To 15", Joint Air Test .....	57.60	
33 01 30 63-0004 EA >15" To 21", Joint Air Test .....	65.83	
33 01 30 63-0005 EA >21" To 24", Joint Air Test .....	82.28	
33 01 30 63-0006 EA >24" To 27", Joint Air Test .....	98.75	
33 01 30 63-0007 EA >27" To 36", Joint Air Test .....	115.21	
<b>33 01 30 63-0008 Joint Seal And Joint Air Retest</b> <small>(33 01 30 63)</small>		
Note: Includes grout.		
33 01 30 63-0009 EA 4" Joint Seal And Joint Air Retest .....	151.87	
Note: Includes up to 1 gallon of grout.		
33 01 30 63-0010 EA 6" Joint Seal And Joint Air Retest .....	168.33	
Note: Includes 1 gallon of grout.		
33 01 30 63-0011 EA 8" Joint Seal And Joint Air Retest .....	205.01	
Note: Includes 2 gallons of grout.		
33 01 30 63-0012 EA 10" Joint Seal And Joint Air Retest .....	231.56	
Note: Includes 2.5 gallons of grout.		
33 01 30 63-0013 EA 12" Joint Seal And Joint Air Retest .....	258.13	
Note: Includes 3 gallons of grout.		
33 01 30 63-0014 EA 15" Joint Seal And Joint Air Retest .....	306.21	
Note: Includes 3.75 gallons of grout.		
33 01 30 63-0015 EA 18" Joint Seal And Joint Air Retest .....	354.29	
Note: Includes 4.5 gallons of grout.		
33 01 30 63-0016 EA 21" Joint Seal And Joint Air Retest .....	402.36	
Note: Includes 5.25 gallons of grout.		
33 01 30 63-0017 EA 24" Joint Seal And Joint Air Retest .....	466.89	
Note: Includes 6 gallons of grout.		
33 01 30 63-0018 EA 27" Joint Seal And Joint Air Retest .....	531.42	
Note: Includes 6.75 gallons of grout.		
33 01 30 63-0019 EA 30" Joint Seal And Joint Air Retest .....	612.42	
Note: Includes 7.5 gallons of grout.		
33 01 30 63-0020 EA 36" Joint Seal And Joint Air Retest .....	708.57	
Note: Includes 9 gallons of grout.		
33 01 30 63-0021 GAL Extra Grout Per Joint .....	86.04	
Note: For extra grout per joint required over listed amount.		
<b>33 01 30 70 Rehabilitation Of Sewer Utilities</b> <small>(33 01 30)</small>		
<b>33 01 30 70-0001 Cementitious Pipe Coatings By Hand</b> <small>(33 01 30 70)</small>		
Note: To be used on repair areas to install the coating on the exposed portion of the pipe.		
33 01 30 70-0002 SF Up To 1" Thick Cementitious Coating On Pipe, Troweled On .....	5.20	
33 01 30 70-0003 SF >1" To 2" Thick Cementitious Coating On Pipe, Troweled On .....	8.01	
<b>33 01 30 71 Relining Sewer Utilities Pipelines</b> <small>(33 01 30)</small>		
<b>33 01 30 71-0001 Relining Underground Pipelines</b> <small>(33 01 30 71)</small>		
Note: Excludes CCTV inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups. See CSI section 01 22 20 00-0000 for hourly rates for after hours response for homeowners backups, 32 01 17 63-0000 for temporary pavement, 32 12 16 00-0000 for permanent pavement, 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.		
<b>33 01 30 71-0002 Polyvinyl Chloride (PVC) Liner Pipe</b> <small>(33 01 30 71-0001)</small>		
Note: Sanitary and storm sewer trenchless slip-lining.		
33 01 30 71-0003 LF 12" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe .....	16.47	
33 01 30 71-0004 LF 15" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe .....	24.98	
33 01 30 71-0005 LF 18" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe .....	33.71	
33 01 30 71-0006 LF 21" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe .....	41.88	
33 01 30 71-0007 LF 24" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe .....	55.20	
33 01 30 71-0008 LF 27" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe .....	66.37	
33 01 30 71-0009 LF 30" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe .....	76.06	
33 01 30 71-0010 LF 36" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe .....	109.37	
<b>33 01 30 72 Cured-in-Place Pipe Lining</b> <small>(33 01 30)</small>		

**33 Utilities****33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0001	<b>Cured-In-Place Pipe (CIPP) Relining Underground Pipelines</b> <small>(33 01 30 72)</small> Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.	
33 01 30 72-0002	<b>Cured-In-Place Pipe (CIPP) Relining Underground Pipelines Set-Up And Reinsertion</b> <small>(33 01 30 72-0001)</small>	
33 01 30 72-0003 EA	Initial Set Up And Final Equipment Removal For Cured-In-Place Pipe (CIPP) Relining Underground Pipelines.....	2,517.14
33 01 30 72-0004 EA	Move And Reset Up At Different Access/Location For Cured-In-Place Pipe (CIPP) Relining Underground Pipelines.....	1,006.85
33 01 30 72-0005	<b>Lining Pipe With Polyester Resin Impregnated Cured In-Place Pipe (CIPP)</b> <small>(33 01 30 72-0001)</small> Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection, culvert cleaning and grouting.	
33 01 30 72-0006	<b>Relining Underground Pipelines Set-Up And Reinsertion For Cured In-Place Pipe (CIPP)</b> <small>(33 01 30 72-0005)</small>	
33 01 30 72-0007 EA	Initial Set Up And Final Equipment Removal For Relining Underground Pipelines Cured In-Place Pipe (CIPP).....	2,517.14
33 01 30 72-0008 EA	Move And Reset Up At Different Access/Location For Relining Underground Pipelines Cured In-Place Pipe (CIPP).....	1,006.85
33 01 30 72-0009 EA	Mixing Truck And Refrigeration For 12" To 24" Cured In-Place Pipe (CIPP)..... Note: Need to mix wet material in bag prior to installation.	2,517.14
33 01 30 72-0010 EA	Mixing Truck And Refrigeration For 27" To 48" Cured In-Place Pipe (CIPP)..... Note: Need to mix wet material in bag prior to installation.	5,034.28
33 01 30 72-0011 EA	Mixing Truck And Refrigeration For 54" To 72" Cured In-Place Pipe (CIPP)..... Note: Need to mix wet material in bag prior to installation.	7,551.42
33 01 30 72-0012	<b>6mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0005)</small>	
33 01 30 72-0013 LF	6mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	41.92
33 01 30 72-0014	<b>7.5mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0005)</small>	
33 01 30 72-0015 LF	7.5mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	45.58
33 01 30 72-0016 LF	7.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	54.72
33 01 30 72-0017 LF	7.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	65.08
33 01 30 72-0018	<b>9mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0005)</small>	
33 01 30 72-0019 LF	9mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	49.08
33 01 30 72-0020 LF	9mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	58.52
33 01 30 72-0021 LF	9mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	69.57
33 01 30 72-0022 LF	9mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	86.26
33 01 30 72-0023 LF	9mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	93.76
33 01 30 72-0024	<b>10.5mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0005)</small>	
33 01 30 72-0025 LF	10.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	62.80
33 01 30 72-0026 LF	10.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	74.59
33 01 30 72-0027 LF	10.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	89.47
33 01 30 72-0028 LF	10.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	99.98
33 01 30 72-0029 LF	10.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	111.86
33 01 30 72-0030 LF	10.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	125.40
33 01 30 72-0031 LF	10.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	147.12
33 01 30 72-0032	<b>12mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0005)</small>	
33 01 30 72-0033 LF	12mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	69.23
33 01 30 72-0034 LF	12mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	82.31
33 01 30 72-0035 LF	12mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	94.22
33 01 30 72-0036 LF	12mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	107.57
33 01 30 72-0037 LF	12mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	120.63
33 01 30 72-0038 LF	12mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	134.90
33 01 30 72-0039 LF	12mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	156.97
33 01 30 72-0040 LF	12mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	184.59
33 01 30 72-0041 LF	12mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	214.43
33 01 30 72-0042	<b>13.5mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0005)</small>	
33 01 30 72-0043 LF	13.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	74.15
33 01 30 72-0044 LF	13.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	87.14
33 01 30 72-0045 LF	13.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	100.97
33 01 30 72-0046 LF	13.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	114.63
33 01 30 72-0047 LF	13.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	129.15
33 01 30 72-0048 LF	13.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	143.99
33 01 30 72-0049 LF	13.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	168.23
33 01 30 72-0050 LF	13.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	192.34
33 01 30 72-0051 LF	13.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	226.70



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 01 30 72-0052</b>				<b>15mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0005)</small>		
				33 01 30 72-0053 LF 15mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	78.25	
				33 01 30 72-0054 LF 15mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	93.29	
				33 01 30 72-0055 LF 15mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	107.33	
				33 01 30 72-0056 LF 15mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	122.38	
				33 01 30 72-0057 LF 15mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	137.34	
				33 01 30 72-0058 LF 15mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	148.98	
				33 01 30 72-0059 LF 15mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	178.43	
				33 01 30 72-0060 LF 15mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	205.03	
				33 01 30 72-0061 LF 15mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	241.07	
<b>33 01 30 72-0062</b>				<b>16.5mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0005)</small>		
				33 01 30 72-0063 LF 16.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	98.71	
				33 01 30 72-0064 LF 16.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	113.67	
				33 01 30 72-0065 LF 16.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	129.89	
				33 01 30 72-0066 LF 16.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	145.53	
				33 01 30 72-0067 LF 16.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	174.48	
				33 01 30 72-0068 LF 16.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	187.05	
				33 01 30 72-0069 LF 16.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	217.68	
				33 01 30 72-0070 LF 16.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	255.46	
				33 01 30 72-0071 LF 16.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	294.35	
<b>33 01 30 72-0072</b>				<b>18mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0005)</small>		
				33 01 30 72-0073 LF 18mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	105.21	
				33 01 30 72-0074 LF 18mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	121.06	
				33 01 30 72-0075 LF 18mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	137.88	
				33 01 30 72-0076 LF 18mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	155.17	
				33 01 30 72-0077 LF 18mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	173.78	
				33 01 30 72-0078 LF 18mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	203.07	
				33 01 30 72-0079 LF 18mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	230.21	
				33 01 30 72-0080 LF 18mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	272.47	
				33 01 30 72-0081 LF 18mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	313.64	
				33 01 30 72-0082 LF 18mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	360.81	
				33 01 30 72-0083 LF 18mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	419.48	
				33 01 30 72-0084 LF 18mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	487.32	
<b>33 01 30 72-0085</b>				<b>19.5mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0005)</small>		
				33 01 30 72-0086 LF 19.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	110.56	
				33 01 30 72-0087 LF 19.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	126.08	
				33 01 30 72-0088 LF 19.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	145.62	
				33 01 30 72-0089 LF 19.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	163.31	
				33 01 30 72-0090 LF 19.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	182.34	
				33 01 30 72-0091 LF 19.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	214.30	
				33 01 30 72-0092 LF 19.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	244.97	
				33 01 30 72-0093 LF 19.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	291.76	
				33 01 30 72-0094 LF 19.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	329.93	
				33 01 30 72-0095 LF 19.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	380.34	
				33 01 30 72-0096 LF 19.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	440.96	
				33 01 30 72-0097 LF 19.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	510.75	
<b>33 01 30 72-0098</b>				<b>21mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0005)</small>		
				33 01 30 72-0099 LF 21mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	114.27	
				33 01 30 72-0100 LF 21mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	129.94	
				33 01 30 72-0101 LF 21mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	154.31	
				33 01 30 72-0102 LF 21mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	173.08	
				33 01 30 72-0103 LF 21mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	193.17	
				33 01 30 72-0104 LF 21mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	227.28	
				33 01 30 72-0105 LF 21mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	259.75	
				33 01 30 72-0106 LF 21mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	304.17	
				33 01 30 72-0107 LF 21mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	349.58	
				33 01 30 72-0108 LF 21mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	399.74	
				33 01 30 72-0109 LF 21mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	463.45	
				33 01 30 72-0110 LF 21mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	536.75	
<b>33 01 30 72-0111</b>				<b>22.5mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0005)</small>		
				33 01 30 72-0112 LF 22.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	117.68	
				33 01 30 72-0113 LF 22.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	135.86	
				33 01 30 72-0114 LF 22.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	161.23	
				33 01 30 72-0115 LF 22.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	181.13	
				33 01 30 72-0116 LF 22.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	202.32	
				33 01 30 72-0117 LF 22.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	238.10	
				33 01 30 72-0118 LF 22.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	272.33	
				33 01 30 72-0119 LF 22.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	318.34	
				33 01 30 72-0120 LF 22.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	365.79	



**33 Utilities****33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0121 LF 22.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	417.60	
33 01 30 72-0122 LF 22.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	483.09	
33 01 30 72-0123 LF 22.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	558.18	
<b>33 01 30 72-0124 24mm Thick Lining Cured In-Place Pipe (33 01 30 72-0005)</b>		
33 01 30 72-0125 LF 24mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	124.00	
33 01 30 72-0126 LF 24mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	142.93	
33 01 30 72-0127 LF 24mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	169.92	
33 01 30 72-0128 LF 24mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	190.91	
33 01 30 72-0129 LF 24mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	212.35	
33 01 30 72-0130 LF 24mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	251.29	
33 01 30 72-0131 LF 24mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	287.11	
33 01 30 72-0132 LF 24mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	335.83	
33 01 30 72-0133 LF 24mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	391.33	
33 01 30 72-0134 LF 24mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	443.49	
33 01 30 72-0135 LF 24mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	512.75	
33 01 30 72-0136 LF 24mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	592.11	
<b>33 01 30 72-0137 25.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0005)</b>		
33 01 30 72-0138 LF 25.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	148.71	
33 01 30 72-0139 LF 25.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	177.10	
33 01 30 72-0140 LF 25.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	193.26	
33 01 30 72-0141 LF 25.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	222.12	
33 01 30 72-0142 LF 25.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	262.21	
33 01 30 72-0143 LF 25.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	299.70	
33 01 30 72-0144 LF 25.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	349.99	
33 01 30 72-0145 LF 25.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	399.96	
33 01 30 72-0146 LF 25.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	457.14	
33 01 30 72-0147 LF 25.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	527.76	
33 01 30 72-0148 LF 25.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	608.49	
<b>33 01 30 72-0149 27mm Thick Lining Cured In-Place Pipe (33 01 30 72-0005)</b>		
33 01 30 72-0150 LF 27mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	156.01	
33 01 30 72-0151 LF 27mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	185.69	
33 01 30 72-0152 LF 27mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	200.65	
33 01 30 72-0153 LF 27mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	233.04	
33 01 30 72-0154 LF 27mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	273.54	
33 01 30 72-0155 LF 27mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	326.23	
33 01 30 72-0156 LF 27mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	367.33	
33 01 30 72-0157 LF 27mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	421.40	
33 01 30 72-0158 LF 27mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	480.70	
33 01 30 72-0159 LF 27mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	554.92	
33 01 30 72-0160 LF 27mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	639.76	
<b>33 01 30 72-0161 28.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0005)</b>		
33 01 30 72-0162 LF 28.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	192.65	
33 01 30 72-0163 LF 28.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	209.38	
33 01 30 72-0164 LF 28.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	204.07	
33 01 30 72-0165 LF 28.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	286.20	
33 01 30 72-0166 LF 28.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	331.77	
33 01 30 72-0167 LF 28.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	381.37	
33 01 30 72-0168 LF 28.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	437.45	
33 01 30 72-0169 LF 28.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	498.39	
33 01 30 72-0170 LF 28.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	574.39	
33 01 30 72-0171 LF 28.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	660.98	
<b>33 01 30 72-0172 30mm Thick Lining Cured In-Place Pipe (33 01 30 72-0005)</b>		
33 01 30 72-0173 LF 30mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	197.14	
33 01 30 72-0174 LF 30mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	217.60	
33 01 30 72-0175 LF 30mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	252.84	
33 01 30 72-0176 LF 30mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	299.27	
33 01 30 72-0177 LF 30mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	341.99	
33 01 30 72-0178 LF 30mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	398.76	
33 01 30 72-0179 LF 30mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	457.37	
33 01 30 72-0180 LF 30mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	521.16	
33 01 30 72-0181 LF 30mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	600.77	
33 01 30 72-0182 LF 30mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	691.47	
<b>33 01 30 72-0183 31.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0005)</b>		
33 01 30 72-0184 LF 31.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	199.87	
33 01 30 72-0185 LF 31.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	225.07	
33 01 30 72-0186 LF 31.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	251.27	
33 01 30 72-0187 LF 31.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	308.70	
33 01 30 72-0188 LF 31.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	354.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0189 LF 31.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	412.98	
33 01 30 72-0190 LF 31.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	473.38	
33 01 30 72-0191 LF 31.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	538.95	
33 01 30 72-0192 LF 31.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	620.32	
33 01 30 72-0193 LF 31.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	712.80	
<b>33 01 30 72-0194 33mm Thick Lining Cured In-Place Pipe (33 01 30 72-0005)</b>		
33 01 30 72-0195 LF 33mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	208.62	
33 01 30 72-0196 LF 33mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	234.50	
33 01 30 72-0197 LF 33mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	261.84	
33 01 30 72-0198 LF 33mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	323.33	
33 01 30 72-0199 LF 33mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	369.58	
33 01 30 72-0200 LF 33mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	430.54	
33 01 30 72-0201 LF 33mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	493.37	
33 01 30 72-0202 LF 33mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	561.94	
33 01 30 72-0203 LF 33mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	646.97	
33 01 30 72-0204 LF 33mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	743.69	
<b>33 01 30 72-0205 34.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0005)</b>		
33 01 30 72-0206 LF 34.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	241.90	
33 01 30 72-0207 LF 34.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	270.10	
33 01 30 72-0208 LF 34.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	327.10	
33 01 30 72-0209 LF 34.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	381.64	
33 01 30 72-0210 LF 34.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	442.62	
33 01 30 72-0211 LF 34.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	509.26	
33 01 30 72-0212 LF 34.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	578.31	
33 01 30 72-0213 LF 34.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	664.97	
33 01 30 72-0214 LF 34.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	763.33	
<b>33 01 30 72-0215 36mm Thick Lining Cured In-Place Pipe (33 01 30 72-0005)</b>		
33 01 30 72-0216 LF 36mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	251.34	
33 01 30 72-0217 LF 36mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	280.68	
33 01 30 72-0218 LF 36mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	333.15	
33 01 30 72-0219 LF 36mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	396.92	
33 01 30 72-0220 LF 36mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	462.00	
33 01 30 72-0221 LF 36mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	529.41	
33 01 30 72-0222 LF 36mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	602.54	
33 01 30 72-0223 LF 36mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	693.08	
33 01 30 72-0224 LF 36mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	795.88	
<b>33 01 30 72-0225 37.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0005)</b>		
33 01 30 72-0226 LF 37.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	289.08	
33 01 30 72-0227 LF 37.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	343.16	
33 01 30 72-0228 LF 37.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	408.89	
33 01 30 72-0229 LF 37.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	476.08	
33 01 30 72-0230 LF 37.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	543.10	
33 01 30 72-0231 LF 37.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	618.95	
33 01 30 72-0232 LF 37.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	711.14	
33 01 30 72-0233 LF 37.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	815.57	
<b>33 01 30 72-0234 39mm Thick Lining Cured In-Place Pipe (33 01 30 72-0005)</b>		
33 01 30 72-0235 LF 39mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	356.10	
33 01 30 72-0236 LF 39mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	424.33	
33 01 30 72-0237 LF 39mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	493.76	
33 01 30 72-0238 LF 39mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	565.57	
33 01 30 72-0239 LF 39mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	643.48	
33 01 30 72-0240 LF 39mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	739.61	
33 01 30 72-0241 LF 39mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	848.63	
<b>33 01 30 72-0242 40.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0005)</b>		
33 01 30 72-0243 LF 40.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	425.48	
33 01 30 72-0244 LF 40.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	507.47	
33 01 30 72-0245 LF 40.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	581.31	
33 01 30 72-0246 LF 40.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	660.79	
33 01 30 72-0247 LF 40.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	758.67	
33 01 30 72-0248 LF 40.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	869.42	
<b>33 01 30 72-0249 42mm Thick Lining Cured In-Place Pipe (33 01 30 72-0005)</b>		
33 01 30 72-0250 LF 42mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	525.27	
33 01 30 72-0251 LF 42mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	601.74	
33 01 30 72-0252 LF 42mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	684.30	
33 01 30 72-0253 LF 42mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	786.12	
33 01 30 72-0254 LF 42mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	901.46	

**33 Utilities****33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 01 30 72-0255</b> Ultra Violet Cured In Place (CIP) Relining Underground Pipelines <small>(33 01 30 72)</small>		
Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.		
<b>33 01 30 72-0256</b> Ultra Violet Cured In Place Lining Set Up and Insertion <small>(33 01 30 72-0255)</small>		
33 01 30 72-0257 EA Initial Set Up And Final Equipment Removal For Ultra Violet Relining Underground Pipelines .....	2,517.14	
33 01 30 72-0258 EA Move And Re-Set Different Location.....	1,443.00	
33 01 30 72-0259 EA Short Term Flexural ASTM D-790.....	601.25	
33 01 30 72-0260 EA Short Term Tensile ASTM D-638.....	901.88	
33 01 30 72-0261 EA Thickness ASTM D-3567 .....	150.31	
33 01 30 72-0262 EA Long Term Flexural ASTM D-2990 .....	9,018.75	
Note: A thickness test may be required per location		
<b>33 01 30 72-0263</b> Lining Pipe With Ultra Violet Cured In Place (CIP) Liner <small>(33 01 30 72-0255)</small>		
33 01 30 72-0264 LF 2.8 mm Ultra Violet Cured In Place (CIP) Liner For 6" Pipe.....	22.02	
For Quantities <100', Add	10.30	
For Quantities >100' To 200', Add	5.15	
33 01 30 72-0265 LF 3.5 mm Ultra Violet Cured In Place (CIP) Liner For 6" Pipe.....	24.71	
For Quantities <100', Add	10.95	
For Quantities >100' To 200', Add	5.47	
33 01 30 72-0266 LF 4.2 mm Ultra Violet Cured In Place (CIP) Liner For 6" Pipe.....	26.88	
For Quantities <100', Add	11.47	
For Quantities >100' To 200', Add	5.73	
33 01 30 72-0267 LF 4.9 mm Ultra Violet Cured In Place (CIP) Liner For 6" Pipe.....	29.02	
For Quantities <100', Add	11.98	
For Quantities >100' To 200', Add	5.99	
33 01 30 72-0268 LF 2.8 mm Ultra Violet Cured In Place (CIP) Liner For 8" Pipe.....	28.31	
For Quantities <100', Add	12.15	
33 01 30 72-0269 LF 3.5 mm Ultra Violet Cured In Place (CIP) Liner For 8" Pipe.....	31.48	
For Quantities <100', Add	12.96	
33 01 30 72-0270 LF 4.2 mm Ultra Violet Cured In Place (CIP) Liner For 8" Pipe.....	34.43	
For Quantities <100', Add	13.70	
33 01 30 72-0271 LF 4.9 mm Ultra Violet Cured In Place (CIP) Liner For 8" Pipe.....	37.48	
For Quantities <100', Add	14.48	
33 01 30 72-0272 LF 5.6 mm Ultra Violet Cured In Place (CIP) Liner For 8" Pipe.....	40.54	
For Quantities <100', Add	15.26	
33 01 30 72-0273 LF 6.3 mm Ultra Violet Cured In Place (CIP) Liner For 8" Pipe.....	43.59	
For Quantities <100', Add	16.03	
33 01 30 72-0274 LF 2.8 mm Ultra Violet Cured In Place (CIP) Liner For 10" Pipe.....	32.09	
For Quantities <100', Add	12.42	
33 01 30 72-0275 LF 3.5 mm Ultra Violet Cured In Place (CIP) Liner For 10" Pipe.....	35.94	
For Quantities <100', Add	13.30	
33 01 30 72-0276 LF 4.2 mm Ultra Violet Cured In Place (CIP) Liner For 10" Pipe.....	39.79	
For Quantities <100', Add	14.18	
33 01 30 72-0277 LF 4.9 mm Ultra Violet Cured In Place (CIP) Liner For 10" Pipe.....	43.64	
For Quantities <100', Add	15.06	
33 01 30 72-0278 LF 5.6 mm Ultra Violet Cured In Place (CIP) Liner For 10" Pipe.....	47.47	
For Quantities <100', Add	15.94	
33 01 30 72-0279 LF 6.3 mm Ultra Violet Cured In Place (CIP) Liner For 10" Pipe.....	51.32	
For Quantities <100', Add	16.83	
33 01 30 72-0280 LF 2.8 mm Ultra Violet Cured In Place (CIP) Liner For 12" Pipe.....	36.50	
For Quantities <100', Add	12.95	
33 01 30 72-0281 LF 3.5 mm Ultra Violet Cured In Place (CIP) Liner For 12" Pipe.....	41.07	
For Quantities <100', Add	13.93	
33 01 30 72-0282 LF 4.2 mm Ultra Violet Cured In Place (CIP) Liner For 12" Pipe.....	45.71	
For Quantities <100', Add	14.92	
33 01 30 72-0283 LF 4.9 mm Ultra Violet Cured In Place (CIP) Liner For 12" Pipe.....	50.37	
For Quantities <100', Add	15.92	
33 01 30 72-0284 LF 5.6 mm Ultra Violet Cured In Place (CIP) Liner For 12" Pipe.....	55.03	
For Quantities <100', Add	16.92	
33 01 30 72-0285 LF 6.3 mm Ultra Violet Cured In Place (CIP) Liner For 12" Pipe.....	59.68	
For Quantities <100', Add	17.92	
33 01 30 72-0286 LF 7.0 mm Ultra Violet Cured In Place (CIP) Liner For 12" Pipe.....	64.33	
For Quantities <100', Add	18.92	
33 01 30 72-0287 LF 7.7 mm Ultra Violet Cured In Place (CIP) Liner For 12" Pipe.....	69.00	
For Quantities <100', Add	19.92	
33 01 30 72-0288 LF 2.8 mm Ultra Violet Cured In Place (CIP) Liner For 15" Pipe.....	45.27	
For Quantities <100', Add	15.55	
33 01 30 72-0289 LF 3.5 mm Ultra Violet Cured In Place (CIP) Liner For 15" Pipe.....	49.34	
For Quantities <100', Add	16.50	
33 01 30 72-0290 LF 4.2 mm Ultra Violet Cured In Place (CIP) Liner For 15" Pipe.....	55.17	
For Quantities <100', Add	17.85	
33 01 30 72-0291 LF 4.9 mm Ultra Violet Cured In Place (CIP) Liner For 15" Pipe.....	61.01	
For Quantities <100', Add	19.21	
33 01 30 72-0292 LF 5.6 mm Ultra Violet Cured In Place (CIP) Liner For 15" Pipe.....	66.85	
For Quantities <100', Add	20.56	
33 01 30 72-0293 LF 6.3 mm Ultra Violet Cured In Place (CIP) Liner For 15" Pipe.....	72.68	
For Quantities <100', Add	21.92	
33 01 30 72-0294 LF 7.0 mm Ultra Violet Cured In Place (CIP) Liner For 15" Pipe.....	78.52	
For Quantities <100', Add	23.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0295 LF 7.7 mm Ultra Violet Cured In Place (CIP) Liner For 15" Pipe..... <i>For Quantities &lt;100', Add</i>	84.36 24.63	
33 01 30 72-0296 LF 4.2 mm Ultra Violet Cured In Place (CIP) Liner For 18" Pipe..... <i>For Quantities &lt;100', Add</i>	70.50 18.13	
33 01 30 72-0297 LF 4.9 mm Ultra Violet Cured In Place (CIP) Liner For 18" Pipe..... <i>For Quantities &lt;100', Add</i>	77.57 19.29	
33 01 30 72-0298 LF 5.6 mm Ultra Violet Cured In Place (CIP) Liner For 18" Pipe..... <i>For Quantities &lt;100', Add</i>	84.65 20.44	
33 01 30 72-0299 LF 6.3 mm Ultra Violet Cured In Place (CIP) Liner For 18" Pipe..... <i>For Quantities &lt;100', Add</i>	91.71 21.59	
33 01 30 72-0300 LF 7.0 mm Ultra Violet Cured In Place (CIP) Liner For 18" Pipe..... <i>For Quantities &lt;100', Add</i>	98.78 22.75	
33 01 30 72-0301 LF 7.7 mm Ultra Violet Cured In Place (CIP) Liner For 18" Pipe..... <i>For Quantities &lt;100', Add</i>	105.85 23.90	
33 01 30 72-0302 LF 8.4 mm Ultra Violet Cured In Place (CIP) Liner For 18" Pipe..... <i>For Quantities &lt;100', Add</i>	112.91 25.06	
33 01 30 72-0303 LF 9.1 mm Ultra Violet Cured In Place (CIP) Liner For 18" Pipe..... <i>For Quantities &lt;100', Add</i>	119.98 26.21	
33 01 30 72-0304 LF 4.9 mm Ultra Violet Cured In Place (CIP) Liner For 21" Pipe..... <i>For Quantities &lt;100', Add</i>	89.07 19.60	
33 01 30 72-0305 LF 5.6 mm Ultra Violet Cured In Place (CIP) Liner For 21" Pipe..... <i>For Quantities &lt;100', Add</i>	97.36 20.61	
33 01 30 72-0306 LF 6.3 mm Ultra Violet Cured In Place (CIP) Liner For 21" Pipe..... <i>For Quantities &lt;100', Add</i>	105.64 21.62	
33 01 30 72-0307 LF 7.0 mm Ultra Violet Cured In Place (CIP) Liner For 21" Pipe..... <i>For Quantities &lt;100', Add</i>	113.94 22.63	
33 01 30 72-0308 LF 7.7 mm Ultra Violet Cured In Place (CIP) Liner For 21" Pipe..... <i>For Quantities &lt;100', Add</i>	122.22 23.64	
33 01 30 72-0309 LF 8.4 mm Ultra Violet Cured In Place (CIP) Liner For 21" Pipe..... <i>For Quantities &lt;100', Add</i>	130.51 24.65	
33 01 30 72-0310 LF 9.1 mm Ultra Violet Cured In Place (CIP) Liner For 21" Pipe..... <i>For Quantities &lt;100', Add</i>	138.78 25.66	
33 01 30 72-0311 LF 9.8 mm Ultra Violet Cured In Place (CIP) Liner For 21" Pipe..... <i>For Quantities &lt;100', Add</i>	147.09 26.67	
33 01 30 72-0312 LF 10.5 mm Ultra Violet Cured In Place (CIP) Liner For 21" Pipe..... <i>For Quantities &lt;100', Add</i>	155.38 27.68	
33 01 30 72-0313 LF 4.9 mm Ultra Violet Cured In Place (CIP) Liner For 24" Pipe..... <i>For Quantities &lt;100', Add</i>	99.76 20.93	
33 01 30 72-0314 LF 5.6 mm Ultra Violet Cured In Place (CIP) Liner For 24" Pipe..... <i>For Quantities &lt;100', Add</i>	109.27 22.09	
33 01 30 72-0315 LF 6.3 mm Ultra Violet Cured In Place (CIP) Liner For 24" Pipe..... <i>For Quantities &lt;100', Add</i>	118.78 23.26	
33 01 30 72-0316 LF 7.0 mm Ultra Violet Cured In Place (CIP) Liner For 24" Pipe..... <i>For Quantities &lt;100', Add</i>	128.28 24.42	
33 01 30 72-0317 LF 7.7 mm Ultra Violet Cured In Place (CIP) Liner For 24" Pipe..... <i>For Quantities &lt;100', Add</i>	137.51 25.54	
33 01 30 72-0318 LF 8.4 mm Ultra Violet Cured In Place (CIP) Liner For 24" Pipe..... <i>For Quantities &lt;100', Add</i>	147.31 26.74	
33 01 30 72-0319 LF 9.1 mm Ultra Violet Cured In Place (CIP) Liner For 24" Pipe..... <i>For Quantities &lt;100', Add</i>	156.80 27.90	
33 01 30 72-0320 LF 9.8 mm Ultra Violet Cured In Place (CIP) Liner For 24" Pipe..... <i>For Quantities &lt;100', Add</i>	166.31 29.06	
33 01 30 72-0321 LF 10.5 mm Ultra Violet Cured In Place (CIP) Liner For 24" Pipe..... <i>For Quantities &lt;100', Add</i>	175.82 30.22	
33 01 30 72-0322 LF 5.6 mm Ultra Violet Cured In Place (CIP) Liner For 27" Pipe..... <i>For Quantities &lt;100', Add</i>	128.69 26.03	
33 01 30 72-0323 LF 6.3 mm Ultra Violet Cured In Place (CIP) Liner For 27" Pipe..... <i>For Quantities &lt;100', Add</i>	140.04 27.37	
33 01 30 72-0324 LF 7.0 mm Ultra Violet Cured In Place (CIP) Liner For 27" Pipe..... <i>For Quantities &lt;100', Add</i>	151.40 28.71	
33 01 30 72-0325 LF 7.7 mm Ultra Violet Cured In Place (CIP) Liner For 27" Pipe..... <i>For Quantities &lt;100', Add</i>	162.77 30.05	
33 01 30 72-0326 LF 8.4 mm Ultra Violet Cured In Place (CIP) Liner For 27" Pipe..... <i>For Quantities &lt;100', Add</i>	174.13 31.39	
33 01 30 72-0327 LF 9.1 mm Ultra Violet Cured In Place (CIP) Liner For 27" Pipe..... <i>For Quantities &lt;100', Add</i>	185.48 32.73	
33 01 30 72-0328 LF 9.8 mm Ultra Violet Cured In Place (CIP) Liner For 27" Pipe..... <i>For Quantities &lt;100', Add</i>	196.83 34.06	
33 01 30 72-0329 LF 10.5 mm Ultra Violet Cured In Place (CIP) Liner For 27" Pipe..... <i>For Quantities &lt;100', Add</i>	208.21 35.41	
33 01 30 72-0330 LF 11.2 mm Ultra Violet Cured In Place (CIP) Liner For 27" Pipe..... <i>For Quantities &lt;100', Add</i>	219.56 36.74	
33 01 30 72-0331 LF 11.9 mm Ultra Violet Cured In Place (CIP) Liner For 27" Pipe..... <i>For Quantities &lt;100', Add</i>	230.91 38.08	
33 01 30 72-0332 LF 12.6 mm Ultra Violet Cured In Place (CIP) Liner For 27" Pipe..... <i>For Quantities &lt;100', Add</i>	242.28 39.42	
33 01 30 72-0333 LF 5.6 mm Ultra Violet Cured In Place (CIP) Liner For 30" Pipe..... <i>For Quantities &lt;100', Add</i>	138.62 26.32	
33 01 30 72-0334 LF 6.3 mm Ultra Violet Cured In Place (CIP) Liner For 30" Pipe..... <i>For Quantities &lt;100', Add</i>	151.10 27.70	
33 01 30 72-0335 LF 7.0 mm Ultra Violet Cured In Place (CIP) Liner For 30" Pipe..... <i>For Quantities &lt;100', Add</i>	163.60 29.09	
33 01 30 72-0336 LF 7.7 mm Ultra Violet Cured In Place (CIP) Liner For 30" Pipe..... <i>For Quantities &lt;100', Add</i>	176.10 30.47	

**33 Utilities****33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0337 LF 8.4 mm Ultra Violet Cured In Place (CIP) Liner For 30" Pipe.....	188.60	
For Quantities <100', Add	31.86	
33 01 30 72-0338 LF 9.1 mm Ultra Violet Cured In Place (CIP) Liner For 30" Pipe.....	201.10	
For Quantities <100', Add	33.25	
33 01 30 72-0339 LF 9.8 mm Ultra Violet Cured In Place (CIP) Liner For 30" Pipe.....	213.58	
For Quantities <100', Add	34.63	
33 01 30 72-0340 LF 10.5 mm Ultra Violet Cured In Place (CIP) Liner For 30" Pipe.....	226.08	
For Quantities <100', Add	36.02	
33 01 30 72-0341 LF 11.2 mm Ultra Violet Cured In Place (CIP) Liner For 30" Pipe.....	238.57	
For Quantities <100', Add	37.40	
33 01 30 72-0342 LF 11.9 mm Ultra Violet Cured In Place (CIP) Liner For 30" Pipe.....	244.43	
For Quantities <100', Add	38.05	
33 01 30 72-0343 LF 12.6 mm Ultra Violet Cured In Place (CIP) Liner For 30" Pipe.....	263.56	
For Quantities <100', Add	40.17	
33 01 30 72-0344 LF 5.6 mm Ultra Violet Cured In Place (CIP) Liner For 33" Pipe.....	149.86	
For Quantities <100', Add	26.64	
33 01 30 72-0345 LF 6.3 mm Ultra Violet Cured In Place (CIP) Liner For 33" Pipe.....	163.51	
For Quantities <100', Add	28.07	
33 01 30 72-0346 LF 7.0 mm Ultra Violet Cured In Place (CIP) Liner For 33" Pipe.....	177.14	
For Quantities <100', Add	29.49	
33 01 30 72-0347 LF 7.7 mm Ultra Violet Cured In Place (CIP) Liner For 33" Pipe.....	190.77	
For Quantities <100', Add	30.91	
33 01 30 72-0348 LF 8.4 mm Ultra Violet Cured In Place (CIP) Liner For 33" Pipe.....	204.42	
For Quantities <100', Add	32.33	
33 01 30 72-0349 LF 9.1 mm Ultra Violet Cured In Place (CIP) Liner For 33" Pipe.....	218.06	
For Quantities <100', Add	33.75	
33 01 30 72-0350 LF 9.8 mm Ultra Violet Cured In Place (CIP) Liner For 33" Pipe.....	231.71	
For Quantities <100', Add	35.17	
33 01 30 72-0351 LF 10.5 mm Ultra Violet Cured In Place (CIP) Liner For 33" Pipe.....	245.34	
For Quantities <100', Add	36.59	
33 01 30 72-0352 LF 11.2 mm Ultra Violet Cured In Place (CIP) Liner For 33" Pipe.....	258.99	
For Quantities <100', Add	38.01	
33 01 30 72-0353 LF 11.9 mm Ultra Violet Cured In Place (CIP) Liner For 33" Pipe.....	265.35	
For Quantities <100', Add	38.68	
33 01 30 72-0354 LF 12.6 mm Ultra Violet Cured In Place (CIP) Liner For 33" Pipe.....	286.28	
For Quantities <100', Add	40.86	
33 01 30 72-0355 LF 5.6 mm Ultra Violet Cured In Place (CIP) Liner For 36" Pipe.....	169.53	
For Quantities <100', Add	34.56	
33 01 30 72-0356 LF 6.3 mm Ultra Violet Cured In Place (CIP) Liner For 36" Pipe.....	184.61	
For Quantities <100', Add	36.16	
33 01 30 72-0357 LF 7.0 mm Ultra Violet Cured In Place (CIP) Liner For 36" Pipe.....	199.68	
For Quantities <100', Add	37.77	
33 01 30 72-0358 LF 7.7 mm Ultra Violet Cured In Place (CIP) Liner For 36" Pipe.....	214.76	
For Quantities <100', Add	39.38	
33 01 30 72-0359 LF 8.4 mm Ultra Violet Cured In Place (CIP) Liner For 36" Pipe.....	229.83	
For Quantities <100', Add	40.98	
33 01 30 72-0360 LF 9.1 mm Ultra Violet Cured In Place (CIP) Liner For 36" Pipe.....	244.90	
For Quantities <100', Add	42.59	
33 01 30 72-0361 LF 9.8 mm Ultra Violet Cured In Place (CIP) Liner For 36" Pipe.....	259.96	
For Quantities <100', Add	44.19	
33 01 30 72-0362 LF 10.5 mm Ultra Violet Cured In Place (CIP) Liner For 36" Pipe.....	275.04	
For Quantities <100', Add	45.80	
33 01 30 72-0363 LF 11.2 mm Ultra Violet Cured In Place (CIP) Liner For 36" Pipe.....	290.11	
For Quantities <100', Add	47.41	
33 01 30 72-0364 LF 11.9 mm Ultra Violet Cured In Place (CIP) Liner For 36" Pipe.....	305.19	
For Quantities <100', Add	49.02	
33 01 30 72-0365 LF 12.6 mm Ultra Violet Cured In Place (CIP) Liner For 36" Pipe.....	320.25	
For Quantities <100', Add	50.62	
33 01 30 72-0366 LF 8.4 mm Ultra Violet Cured In Place (CIP) Liner For 42" Pipe.....	273.05	
For Quantities <100', Add	46.95	
33 01 30 72-0367 LF 9.1 mm Ultra Violet Cured In Place (CIP) Liner For 42" Pipe.....	290.80	
For Quantities <100', Add	48.92	
33 01 30 72-0368 LF 9.8 mm Ultra Violet Cured In Place (CIP) Liner For 42" Pipe.....	308.53	
For Quantities <100', Add	50.89	
33 01 30 72-0369 LF 10.5 mm Ultra Violet Cured In Place (CIP) Liner For 42" Pipe.....	326.25	
For Quantities <100', Add	52.85	
33 01 30 72-0370 LF 11.2 mm Ultra Violet Cured In Place (CIP) Liner For 42" Pipe.....	343.98	
For Quantities <100', Add	54.82	
33 01 30 72-0371 LF 11.9 mm Ultra Violet Cured In Place (CIP) Liner For 42" Pipe.....	361.70	
For Quantities <100', Add	56.78	
33 01 30 72-0372 LF 12.6 mm Ultra Violet Cured In Place (CIP) Liner For 42" Pipe.....	379.45	
For Quantities <100', Add	58.75	
33 01 30 72-0373 LF 8.4 mm Ultra Violet Cured In Place (CIP) Liner For 48" Pipe.....	304.88	
For Quantities <100', Add	47.88	
33 01 30 72-0374 LF 9.1 mm Ultra Violet Cured In Place (CIP) Liner For 48" Pipe.....	325.17	
For Quantities <100', Add	49.94	
33 01 30 72-0375 LF 9.8 mm Ultra Violet Cured In Place (CIP) Liner For 48" Pipe.....	345.47	
For Quantities <100', Add	52.01	
33 01 30 72-0376 LF 10.5 mm Ultra Violet Cured In Place (CIP) Liner For 48" Pipe.....	365.74	
For Quantities <100', Add	54.07	
33 01 30 72-0377 LF 11.2 mm Ultra Violet Cured In Place (CIP) Liner For 48" Pipe.....	386.04	
For Quantities <100', Add	56.14	
33 01 30 72-0378 LF 11.9 mm Ultra Violet Cured In Place (CIP) Liner For 48" Pipe.....	406.32	
For Quantities <100', Add	58.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0379 LF 12.6 mm Ultra Violet Cured In Place (CIP) Liner For 48" Pipe..... <i>For Quantities &lt;100', Add</i>	426.60 60.27	
<b>33 01 30 74 Cured-in-Place Lateral Lining (33 01 30)</b>		
33 01 30 74-0001 Laterals; Cutting, Grouting And Reinstatement (33 01 30 74)		
33 01 30 74-0002 Lateral Reinstatement/Reconnection (33 01 30 74-0001)		
33 01 30 74-0003 EA Cut Liner For Laterals, 4" (Robotic) .....	251.90	
33 01 30 74-0004 EA Cut Liner For Laterals, 6" (Robotic) .....	272.33	
33 01 30 74-0005 EA Cut Liner For Laterals, 8" (Robotic) .....	289.35	
33 01 30 74-0006 EA Cut Liner For Laterals, 10" (Robotic) .....	306.37	
33 01 30 74-0007 EA Cut Liner For Laterals, 12" (Robotic) .....	323.40	
33 01 30 74-0008 Grout Lateral Service (33 01 30 74-0001)		
33 01 30 74-0009 Grout Lateral Service - Bladder (33 01 30 74-0008)		
33 01 30 74-0010 EA Grout 4" Lateral Service - Bladder .....	283.54	
33 01 30 74-0011 EA Grout 6" Lateral Service - Bladder .....	326.56	
33 01 30 74-0012 EA Grout 8" Lateral Service - Bladder .....	369.59	
33 01 30 74-0013 Grout Lateral Service - Robotic Trowel Application (33 01 30 74-0008)		
33 01 30 74-0014 EA Grout 4" To 8" Lateral Service - Robotic Trowel Application.....	310.11	
33 01 30 74-0015 EA Grout 10" To 12" Lateral Service - Robotic Trowel Application.....	336.67	
33 01 30 74-0016 Lateral T-Liner (33 01 30 74-0001) Note: As manufactured by LMK.		
33 01 30 74-0017 EA 4" Lateral T-Liner .....	376.60	
33 01 30 74-0018 EA 6" Lateral T-Liner .....	425.51	
33 01 30 74-0019 EA 8" Lateral T-Liner .....	497.45	
33 01 30 74-0020 Lining Lateral Pipe (33 01 30 74-0001)		
33 01 30 74-0021 Lining Lateral Pipe (33 01 30 74-0020)		
33 01 30 74-0022 LF 6mm Lining 4" To 6" Lateral Pipe With Cured In-Place Pipe (CIPP)..... <i>For 7.5mm, Add</i> <i>For 9 mm, Add</i>	28.73 4.49 9.07	
<b>33 01 30 79 Fold-and-Form Pipe Lining (33 01 30)</b>		
33 01 30 79-0001 Form and Fold Relining Underground Pipelines (33 01 30 79) Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.		
33 01 30 79-0002 Fold-And-Form Relining Underground Pipelines Set-Up And Reinsertion (33 01 30 79-0001)		
33 01 30 79-0003 EA Initial Set Up And Final Equipment Removal For Fold-And-Form Relining Underground Pipelines.....	2,517.14	
33 01 30 79-0004 EA Move And Reset Up At Different Access/Location For Fold-And-Form Relining Underground Pipelines .....	1,006.85	
33 01 30 79-0005 Form And Fold Polyethylene (PE) Pipeliner (33 01 30 79-0001)		
33 01 30 79-0006 LF 4" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 .....	26.19	
<i>For DR 26 Pipe Liner, Add</i>	5.20	
<i>For Up To 75, Add</i>	12.25	
<i>For &gt;75 To 150, Add</i>	6.12	
<i>For &gt;500 To 1,000, Deduct</i>	-0.40	
<i>For &gt;1,000 To 2,000, Deduct</i>	-0.81	
<i>For &gt;2,000, Deduct</i>	-1.62	
33 01 30 79-0007 LF 6" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 .....	34.06	
<i>For DR 26 Pipe Liner, Add</i>	7.07	
<i>For DR 35 Pipe Liner, Deduct</i>	-3.53	
<i>For Up To 75, Add</i>	14.35	
<i>For &gt;75 To 150, Add</i>	7.18	
<i>For &gt;500 To 1,000, Deduct</i>	-0.44	
<i>For &gt;1,000 To 2,000, Deduct</i>	-0.87	
<i>For &gt;2,000, Deduct</i>	-1.74	
33 01 30 79-0008 LF 8" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 .....	35.08	
<i>For DR 26 Pipe Liner, Add</i>	7.20	
<i>For DR 35 Pipe Liner, Deduct</i>	-3.60	
<i>For Up To 75, Add</i>	15.21	
<i>For &gt;75 To 150, Add</i>	7.60	
<i>For &gt;500 To 1,000, Deduct</i>	-0.47	
<i>For &gt;1,000 To 2,000, Deduct</i>	-0.95	
<i>For &gt;2,000, Deduct</i>	-1.89	

**33 Utilities****33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0009 LF 10" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 .....	50.03	
For DR 26 Pipe Liner, Add	10.79	
For DR 35 Pipe Liner, Deduct	-5.40	
For DR 41 Pipe Liner, Deduct	-10.79	
For Up To 75, Add	18.92	
For >75 To 150, Add	9.46	
For >500 To 1,000, Deduct	-0.51	
For >1,000 To 2,000, Deduct	-1.03	
For >2,000, Deduct	-2.06	
33 01 30 79-0010 LF 12" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 .....	70.73	
For DR 26 Pipe Liner, Add	15.80	
For DR 35 Pipe Liner, Deduct	-7.90	
For DR 41 Pipe Liner, Deduct	-15.80	
For Up To 75, Add	23.96	
For >75 To 150, Add	11.98	
For >500 To 1,000, Deduct	-0.57	
For >1,000 To 2,000, Deduct	-1.13	
For >2,000, Deduct	-2.27	
33 01 30 79-0011 LF 15" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 .....	97.54	
For DR 35 Pipe Liner, Deduct	-11.12	
For DR 41 Pipe Liner, Deduct	-22.24	
For Up To 75, Add	30.66	
For >75 To 150, Add	15.33	
For >500 To 1,000, Deduct	-0.64	
For >1,000 To 2,000, Deduct	-1.29	
For >2,000, Deduct	-2.57	
33 01 30 79-0012 LF 18" Diameter Form and Fold Polyethylene Pipeliner, DR 35 .....	138.67	
For DR 41 Pipe Liner, Deduct	-12.90	
For DR 50 Pipe Liner, Deduct	-25.80	
For Up To 75, Add	40.32	
For >75 To 150, Add	20.16	
For >500 To 1,000, Deduct	-0.73	
For >1,000 To 2,000, Deduct	-1.45	
For >2,000, Deduct	-2.90	
33 01 30 79-0013 LF 21" Diameter Form and Fold Polyethylene Pipeliner, DR 47 .....	157.01	
For DR 50 Pipe Liner, Deduct	-21.98	
For DR 55 Pipe Liner, Deduct	-36.63	
For Up To 75, Add	45.04	
For >75 To 150, Add	22.52	
For >500 To 1,000, Deduct	-0.79	
For >1,000 To 2,000, Deduct	-1.57	
For >2,000, Deduct	-3.15	
33 01 30 79-0014 LF 24" Diameter Form and Fold Polyethylene Pipeliner, DR 55 .....	191.97	
For DR 60 Pipe Liner, Deduct	-27.08	
For Up To 75, Add	53.27	
For >75 To 150, Add	26.63	
For >500 To 1,000, Deduct	-0.86	
For >1,000 To 2,000, Deduct	-1.72	
For >2,000, Deduct	-3.43	
<b>33 01 30 79-0015 Form And Fold Polyvinyl Chloride (PVC) Pipeliner (33 01 30 79-0001)</b>		
33 01 30 79-0016 LF 4" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	28.15	
For Up To 75, Add	12.64	
For >75 To 150, Add	6.32	
For >500 To 1,000, Deduct	-0.40	
For >1,000 To 2,000, Deduct	-0.81	
For >2,000, Deduct	-1.62	
For DR 26 Pipe Liner, Add	5.69	
33 01 30 79-0017 LF 6" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	34.06	
For Up To 75, Add	14.35	
For >75 To 150, Add	7.18	
For >500 To 1,000, Deduct	-0.44	
For >1,000 To 2,000, Deduct	-0.87	
For >2,000, Deduct	-1.74	
For DR 26 Pipe Liner, Add	7.07	
For DR 35 Pipe Liner, Deduct	-3.53	
33 01 30 79-0018 LF 8" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	37.70	
For Up To 75, Add	15.73	
For >75 To 150, Add	7.87	
For >500 To 1,000, Deduct	-0.47	
For >1,000 To 2,000, Deduct	-0.95	
For >2,000, Deduct	-1.89	
For DR 26 Pipe Liner, Add	7.85	
For DR 35 Pipe Liner, Deduct	-3.93	
33 01 30 79-0019 LF 10" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	53.95	
For Up To 75, Add	19.71	
For >75 To 150, Add	9.85	
For >500 To 1,000, Deduct	-0.51	
For >1,000 To 2,000, Deduct	-1.03	
For >2,000, Deduct	-2.06	
For DR 26 Pipe Liner, Add	11.77	
For DR 35 Pipe Liner, Deduct	-5.89	
For DR 41 Pipe Liner, Deduct	-11.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0020 LF 12" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	76.62	
For Up To 75, Add	25.14	
For >75 To 150, Add	12.57	
For >500 To 1,000, Deduct	-0.57	
For >1,000 To 2,000, Deduct	-1.13	
For >2,000, Deduct	-2.27	
For DR 26 Pipe Liner, Add	17.27	
For DR 35 Pipe Liner, Deduct	-8.63	
For DR 41 Pipe Liner, Deduct	-17.27	
33 01 30 79-0021 LF 15" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	105.91	
For Up To 75, Add	32.34	
For >75 To 150, Add	16.17	
For >500 To 1,000, Deduct	-0.64	
For >1,000 To 2,000, Deduct	-1.29	
For >2,000, Deduct	-2.57	
For DR 35 Pipe Liner, Deduct	-12.17	
For DR 41 Pipe Liner, Deduct	-24.33	
33 01 30 79-0022 LF 18" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 35.....	150.96	
For Up To 75, Add	42.78	
For >75 To 150, Add	21.39	
For >500 To 1,000, Deduct	-0.73	
For >1,000 To 2,000, Deduct	-1.45	
For >2,000, Deduct	-2.90	
For DR 41 Pipe Liner, Deduct	-14.13	
For DR 50 Pipe Liner, Deduct	-28.26	
33 01 30 79-0023 LF 21" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 47.....	170.61	
For Up To 75, Add	47.76	
For >75 To 150, Add	23.88	
For >500 To 1,000, Deduct	-0.79	
For >1,000 To 2,000, Deduct	-1.57	
For >2,000, Deduct	-3.15	
For DR 50 Pipe Liner, Deduct	-24.02	
For DR 55 Pipe Liner, Deduct	-40.03	
33 01 30 79-0024 LF 24" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 55.....	209.24	
For Up To 75, Add	56.72	
For >75 To 150, Add	28.36	
For >500 To 1,000, Deduct	-0.86	
For >1,000 To 2,000, Deduct	-1.72	
For >2,000, Deduct	-3.43	
For DR 60 Pipe Liner, Deduct	-29.67	
<b>33 01 30 81 Manhole Rehabilitation (33 01 30)</b>		
33 01 30 81-0001 Restoration And Rehabilitation Of Manholes (33 01 30 81)		
Note: Work is in confined spaces.		
33 01 30 81-0002 Inspection And Ventilation System Set-up (33 01 30 81-0001)		
33 01 30 81-0003 EA Inspect Manhole .....	93.73	
33 01 30 81-0004 EA 36" to 60" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System .....	7,957.26	
Note: For internal inspection and repair of water mains.		
33 01 30 81-0005 EA >60" to 108" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System .....	11,316.45	
Note: For internal inspection and repair of water mains		
33 01 30 81-0006 Manhole Seals (33 01 30 81-0001)		
33 01 30 81-0007 Internal Manhole Chimney Seals (33 01 30 81-0006)		
Note: Cretex.		
33 01 30 81-0008 EA 20" Internal Manhole Chimney Seal.....	287.21	
33 01 30 81-0009 EA 22" Internal Manhole Chimney Seal.....	302.73	
33 01 30 81-0010 EA 24" Internal Manhole Chimney Seal.....	310.49	
33 01 30 81-0011 EA 26" Internal Manhole Chimney Seal.....	357.07	
33 01 30 81-0012 EA 28" Internal Manhole Chimney Seal.....	403.64	
33 01 30 81-0013 EA 30" Internal Manhole Chimney Seal.....	450.22	
33 01 30 81-0014 EA 36" Internal Manhole Chimney Seal.....	543.36	
33 01 30 81-0015 External Manhole Encapsulation (33 01 30 81-0006)		
Note: Wrapidseal.		
33 01 30 81-0016 EA 24" External Manhole Encapsulation .....	419.17	
33 01 30 81-0017 EA 30" External Manhole Encapsulation .....	442.46	
33 01 30 81-0018 EA 36" External Manhole Encapsulation .....	473.51	
33 01 30 81-0019 EA 42" External Manhole Encapsulation .....	512.32	
33 01 30 81-0020 EA 48" External Manhole Encapsulation .....	566.64	
33 01 30 81-0021 EA 54" External Manhole Encapsulation .....	628.75	
33 01 30 81-0022 EA 60" External Manhole Encapsulation .....	706.37	
33 01 30 81-0023 Manhole Crack Repair (33 01 30 81-0001)		
Note: Includes removing loose materials and cleaning.		
33 01 30 81-0024 LF Up To 1/4" Wide, Epoxy Grout Injection, Manhole Crack Repair .....	25.70	
33 01 30 81-0025 LF >1/4" To 1/2" Wide, Epoxy Grout Injection, Manhole Crack Repair .....	34.90	
33 01 30 81-0026 LF Up To 1/4" Wide, Urethane Grout Injection, Manhole Crack Repair .....	23.84	
33 01 30 81-0027 LF >1/4" To 1/2" Wide, Urethane Grout Injection, Manhole Crack Repair .....	32.48	



**33 Utilities****33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>33 01 30 81-0028</b>	<b>Manhole Patching</b> <small>(33 01 30 81-0001)</small>		
	Note: Includes removing loose materials and cleaning.		
33 01 30 81-0029	SF Up To 1/4" Thick, Cementitious Grout, Manhole Patching.....	9.18	
33 01 30 81-0030	SF Up To 1/4" Thick, Epoxy Grout, Manhole Patching.....	29.09	
<b>33 01 30 81-0031</b>	<b>Manhole Joint Restoration</b> <small>(33 01 30 81-0001)</small>		
	Note: Includes drilling holes at joints, fill joints with grout.		
33 01 30 81-0032	EA 3' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	1,287.04	
	Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
	<i>For Grouting Each Additional Manhole Joint Section, Add</i>	<i>152.15</i>	
33 01 30 81-0033	EA 3-1/2' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	1,502.51	
	Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
	<i>For Grouting Each Additional Manhole Joint Section, Add</i>	<i>165.01</i>	
33 01 30 81-0034	EA 4' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	1,716.06	
	Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
	<i>For Grouting Each Additional Manhole Joint Section, Add</i>	<i>177.87</i>	
33 01 30 81-0035	EA 5' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	2,049.59	
	Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
	<i>For Grouting Each Additional Manhole Joint Section, Add</i>	<i>184.30</i>	
33 01 30 81-0036	EA 6' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	2,382.16	
	Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
	<i>For Grouting Each Additional Manhole Joint Section, Add</i>	<i>190.73</i>	
33 01 30 81-0037	GAL Grout Fill Material.....	143.90	
	Note: For extra material to fill voids in soil.		
	<i>For Grouting Each Additional Manhole Joint Section, Add</i>	<i>84.64</i>	
<b>33 01 30 81-0038</b>	<b>Step Installation In Existing Manholes</b> <small>(33 01 30 81-0001)</small>		
	Note: Including drilling in existing concrete manhole, step and grout. Demolition cost includes removal of old step and patching holes.		
33 01 30 81-0039	EA Drill And Grout 8" x 9" Cast Iron Manhole Steps.....	85.19	10.06
33 01 30 81-0040	EA Drill And Grout Galvanized Steel Manhole Step.....	61.03	10.06
33 01 30 81-0041	EA Bolt On Galvanized Steel Manhole Step.....	70.28	10.06
33 01 30 81-0042	EA Drill And Grout Aluminum Manhole Step.....	73.00	10.06
33 01 30 81-0043	EA Drill And Insert Polypropylene Manhole Step.....	34.23	8.05
<b>33 01 30 81-0044</b>	<b>Manhole Penetration Sealing</b> <small>(33 01 30 81-0001)</small>		
	Note: At new pipe connection to manhole.		
33 01 30 81-0045	EA 6" To 12" Opening, Seal New Pipe Connection To Existing Manhole.....	197.97	
33 01 30 81-0046	EA >12" To 22" Opening, Seal New Pipe Connection To Existing Manhole.....	309.60	
33 01 30 81-0047	EA >22" To 36" Opening, Seal New Pipe Connection To Existing Manhole.....	429.63	
<b>33 01 30 81-0048</b>	<b>Manhole Drop Inlet Installation</b> <small>(33 01 30 81-0001)</small>		
	Note: Installed in existing manhole		
33 01 30 81-0049	EA Install Drop Inlet Into Existing Manhole.....	422.78	
<b>33 01 30 81-0050</b>	<b>Manhole Drop Connections, Interior</b> <small>(33 01 30 81-0001)</small>		
33 01 30 81-0051	EA Drop Connection In Manhole.....	781.04	
<b>33 01 30 81-0052</b>	<b>Invert Restoration</b> <small>(33 01 30 81-0001)</small>		
	Note: Includes removal of existing defective material and installation of new material.		
<b>33 01 30 81-0053</b>	<b>Concrete Invert Restoration</b> <small>(33 01 30 81-0052)</small>		
33 01 30 81-0054	EA 2' Diameter, Concrete Invert Restoration.....	240.29	
33 01 30 81-0055	EA 3' Diameter, Concrete Invert Restoration.....	263.72	
33 01 30 81-0056	EA 4' Diameter, Concrete Invert Restoration.....	287.15	
33 01 30 81-0057	EA 5' Diameter, Concrete Invert Restoration.....	310.59	
33 01 30 81-0058	EA 6' Diameter, Concrete Invert Restoration.....	380.88	
33 01 30 81-0059	SF Square Or Rectangular, Concrete Invert Restoration.....	22.84	
<b>33 01 30 81-0060</b>	<b>Brick Invert Restoration</b> <small>(33 01 30 81-0052)</small>		
33 01 30 81-0061	EA 2' Diameter, Brick Invert Restoration.....	335.62	
33 01 30 81-0062	EA 3' Diameter, Brick Invert Restoration.....	359.05	
33 01 30 81-0063	EA 4' Diameter, Brick Invert Restoration.....	382.48	
33 01 30 81-0064	EA 5' Diameter, Brick Invert Restoration.....	405.92	
33 01 30 81-0065	EA 6' Diameter, Brick Invert Restoration.....	429.36	
33 01 30 81-0066	SF Square Or Rectangular, Brick Invert Restoration.....	30.33	
<b>33 01 30 82</b>	<b>Epoxy Lining For Concrete Manholes</b> <small>(33 01 30)</small>		
33 01 30 82-0001	Epoxy Manhole Restoration, Interior <small>(33 01 30 82)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 82-0002 VLF 60 Mil Epoxy Restoration Of 3' Diameter Manhole Interior .....	179.03	
<i>For 80 Mil Material, Add</i>	22.31	
<i>For 100 Mil Material, Add</i>	44.61	
<i>For 125 Mil Material, Add</i>	69.78	
<i>For 150 Mil Material, Add</i>	94.95	
<i>For 200 Mil Material, Add</i>	138.06	
<i>For 2 To 5 Manholes, Deduct</i>	-12.57	
<i>For 6 To 10 Manholes, Deduct</i>	-20.66	
<i>For &gt;10 Manholes, Deduct</i>	-41.32	
33 01 30 82-0003 VLF 60 Mil Epoxy Restoration Of 3-1/2' Diameter Manhole Interior .....	216.95	
<i>For 80 Mil Material, Add</i>	26.64	
<i>For 100 Mil Material, Add</i>	53.28	
<i>For 125 Mil Material, Add</i>	83.27	
<i>For 150 Mil Material, Add</i>	113.25	
<i>For 200 Mil Material, Add</i>	164.38	
<i>For 2 To 5 Manholes, Deduct</i>	-15.27	
<i>For 6 To 10 Manholes, Deduct</i>	-25.11	
<i>For &gt;10 Manholes, Deduct</i>	-50.22	
33 01 30 82-0004 VLF 60 Mil Epoxy Restoration Of 4' Diameter Manhole Interior .....	238.71	
<i>For 80 Mil Material, Add</i>	29.74	
<i>For 100 Mil Material, Add</i>	59.49	
<i>For 125 Mil Material, Add</i>	93.05	
<i>For 150 Mil Material, Add</i>	126.61	
<i>For 200 Mil Material, Add</i>	184.09	
<i>For 2 To 5 Manholes, Deduct</i>	-16.76	
<i>For 6 To 10 Manholes, Deduct</i>	-27.55	
<i>For &gt;10 Manholes, Deduct</i>	-55.09	
33 01 30 82-0005 VLF 60 Mil Epoxy Restoration Of 5' Diameter Manhole Interior .....	298.43	
<i>For 80 Mil Material, Add</i>	37.19	
<i>For 100 Mil Material, Add</i>	74.38	
<i>For 125 Mil Material, Add</i>	116.35	
<i>For 150 Mil Material, Add</i>	158.33	
<i>For 200 Mil Material, Add</i>	230.21	
<i>For 2 To 5 Manholes, Deduct</i>	-20.95	
<i>For 6 To 10 Manholes, Deduct</i>	-34.44	
<i>For &gt;10 Manholes, Deduct</i>	-68.87	
33 01 30 82-0006 VLF 60 Mil Epoxy Restoration Of 6' Diameter Manhole Interior .....	358.11	
<i>For 80 Mil Material, Add</i>	44.63	
<i>For 100 Mil Material, Add</i>	89.26	
<i>For 125 Mil Material, Add</i>	139.62	
<i>For 150 Mil Material, Add</i>	189.98	
<i>For 200 Mil Material, Add</i>	276.24	
<i>For 2 To 5 Manholes, Deduct</i>	-25.14	
<i>For 6 To 10 Manholes, Deduct</i>	-41.32	
<i>For &gt;10 Manholes, Deduct</i>	-82.65	
<b>33 01 30 83 Lining For Concrete Manholes (33 01 30)</b>		
33 01 30 83-0001 Manhole Lining (33 01 30 83) Note: Includes power washing and cleaning of manhole interiors.		
33 01 30 83-0002 Cementitious Manhole Restoration, Interior (33 01 30 83-0001)		
33 01 30 83-0003 VLF 1/2" Cementitious Restoration On 3' Diameter Manhole Interior .....	91.41	
<i>For Each Additional 1/2" Thick Material, Add</i>	33.41	
<i>For 2 To 5 Manholes, Deduct</i>	-6.10	
<i>For 6 To 10 Manholes, Deduct</i>	-9.91	
<i>For &gt;10 Manholes, Deduct</i>	-19.82	
33 01 30 83-0004 VLF 1/2" Cementitious Restoration On 3-1/2' Diameter Manhole Interior .....	106.10	
<i>For Each Additional 1/2" Thick Material, Add</i>	38.91	
<i>For 2 To 5 Manholes, Deduct</i>	-7.07	
<i>For 6 To 10 Manholes, Deduct</i>	-11.49	
<i>For &gt;10 Manholes, Deduct</i>	-22.99	
33 01 30 83-0005 VLF 1/2" Cementitious Restoration On 4' Diameter Manhole Interior .....	120.81	
<i>For Each Additional 1/2" Thick Material, Add</i>	44.43	
<i>For 2 To 5 Manholes, Deduct</i>	-8.05	
<i>For 6 To 10 Manholes, Deduct</i>	-13.08	
<i>For &gt;10 Manholes, Deduct</i>	-26.16	
33 01 30 83-0006 VLF 1/2" Cementitious Restoration On 5' Diameter Manhole Interior .....	144.02	
<i>For Each Additional 1/2" Thick Material, Add</i>	55.03	
<i>For 2 To 5 Manholes, Deduct</i>	-9.53	
<i>For 6 To 10 Manholes, Deduct</i>	-15.46	
<i>For &gt;10 Manholes, Deduct</i>	-30.93	
33 01 30 83-0007 VLF 1/2" Cementitious Restoration On 6' Diameter Manhole Interior .....	160.32	
<i>For Each Additional 1/2" Thick Material, Add</i>	64.56	
<i>For 2 To 5 Manholes, Deduct</i>	-10.51	
<i>For 6 To 10 Manholes, Deduct</i>	-17.01	
<i>For &gt;10 Manholes, Deduct</i>	-34.01	
33 01 30 83-0008 Polyurethane Manhole Restoration, Interior (33 01 30 83-0001)		

**33 Utilities****33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 83-0009 VLF 60 Mil Polyurethane Restoration Of 3' Diameter Manhole Interior .....	156.67	
For 80 Mil Material, Add	14.85	
For 100 Mil Material, Add	29.71	
For 125 Mil Material, Add	45.56	
For 150 Mil Material, Add	61.41	
For 200 Mil Material, Add	85.89	
For 2 To 5 Manholes, Deduct	-11.45	
For 6 To 10 Manholes, Deduct	-18.98	
For >10 Manholes, Deduct	-37.97	
33 01 30 83-0010 VLF 60 Mil Polyurethane Restoration Of 3-1/2' Diameter Manhole Interior .....	190.83	
For 80 Mil Material, Add	17.93	
For 100 Mil Material, Add	35.87	
For 125 Mil Material, Add	54.97	
For 150 Mil Material, Add	74.07	
For 200 Mil Material, Add	103.44	
For 2 To 5 Manholes, Deduct	-13.96	
For 6 To 10 Manholes, Deduct	-23.15	
For >10 Manholes, Deduct	-46.31	
33 01 30 83-0011 VLF 60 Mil Polyurethane Restoration Of 4' Diameter Manhole Interior .....	208.90	
For 80 Mil Material, Add	19.81	
For 100 Mil Material, Add	39.61	
For 125 Mil Material, Add	60.75	
For 150 Mil Material, Add	81.89	
For 200 Mil Material, Add	114.53	
For 2 To 5 Manholes, Deduct	-15.27	
For 6 To 10 Manholes, Deduct	-25.31	
For >10 Manholes, Deduct	-50.62	
33 01 30 83-0012 VLF 60 Mil Polyurethane Restoration Of 5' Diameter Manhole Interior .....	261.12	
For 80 Mil Material, Add	24.76	
For 100 Mil Material, Add	49.51	
For 125 Mil Material, Add	75.94	
For 150 Mil Material, Add	102.36	
For 200 Mil Material, Add	143.15	
For 2 To 5 Manholes, Deduct	-19.08	
For 6 To 10 Manholes, Deduct	-31.64	
For >10 Manholes, Deduct	-63.28	
33 01 30 83-0013 VLF 60 Mil Polyurethane Restoration Of 6' Diameter Manhole Interior .....	313.35	
For 80 Mil Material, Add	29.71	
For 100 Mil Material, Add	59.42	
For 125 Mil Material, Add	91.13	
For 150 Mil Material, Add	122.84	
For 200 Mil Material, Add	171.80	
For 2 To 5 Manholes, Deduct	-22.90	
For 6 To 10 Manholes, Deduct	-37.97	
For >10 Manholes, Deduct	-75.93	
<b>33 01 30 83-0014 Multiplexx™ PVCP Cured-In-Place (CIP) Lining Manhole Restoration, Interior</b> <small>(33 01 30 83-0001)</small>		
33 01 30 83-0015 VLF 3' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole .....	300.45	
For 2 To 5 Manholes, Deduct	-17.15	
For 6 To 10 Manholes, Deduct	-26.78	
For >10 Manholes, Deduct	-53.56	
33 01 30 83-0016 VLF 3-1/2' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole .....	368.00	
For 2 To 5 Manholes, Deduct	-21.00	
For 6 To 10 Manholes, Deduct	-32.79	
For >10 Manholes, Deduct	-65.58	
33 01 30 83-0017 VLF 4' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole .....	435.64	
For 2 To 5 Manholes, Deduct	-24.61	
For 6 To 10 Manholes, Deduct	-38.34	
For >10 Manholes, Deduct	-76.67	
33 01 30 83-0018 VLF 5' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole .....	546.43	
For 2 To 5 Manholes, Deduct	-30.86	
For 6 To 10 Manholes, Deduct	-48.06	
For >10 Manholes, Deduct	-96.12	
33 01 30 83-0019 VLF 6' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole .....	657.21	
For 2 To 5 Manholes, Deduct	-37.11	
For 6 To 10 Manholes, Deduct	-57.79	
For >10 Manholes, Deduct	-115.57	
<b>33 01 30 86 Manhole Rim Adjustment</b> <small>(33 01 30)</small>		
33 01 30 86-0001 Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers <small>(33 01 30 86)</small>		
33 01 30 86-0002 Up To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers <small>(33 01 30 86-0001)</small>		
33 01 30 86-0003 EA Up To 2" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser .....	221.04	
33 01 30 86-0004 EA >2" To 3" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser .....	250.95	
33 01 30 86-0005 EA >3" To 4" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser .....	277.79	
33 01 30 86-0006 EA >4" To 5" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser .....	308.34	
33 01 30 86-0007 EA >5" To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser .....	332.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 01 30 86-0008</b> Up To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser <small>(33 01 30 86-0001)</small>		
33 01 30 86-0009 EA Up To 2" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	266.52	
33 01 30 86-0010 EA >2 To 3" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	291.47	
33 01 30 86-0011 EA >3" To 4" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	323.37	
33 01 30 86-0012 EA >4" To 5" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	353.92	
33 01 30 86-0013 EA >5" To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	383.12	
<b>33 01 30 86-0014</b> >6" To 12" Rise, >32-1/2" To 36" Diameter, Solid, Cast Iron, Manhole Cover Risers <small>(33 01 30 86-0001)</small>		
33 01 30 86-0015 EA >6" To 6-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser.....	370.17	
33 01 30 86-0016 EA 7" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser.....	403.89	
33 01 30 86-0017 EA 7-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser.....	438.03	
33 01 30 86-0018 EA 8" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser.....	464.21	
33 01 30 86-0019 EA 9" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser.....	506.00	
33 01 30 86-0020 EA 10" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser.....	543.30	
33 01 30 86-0021 EA 11" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser.....	579.46	
33 01 30 86-0022 EA 12" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser.....	616.21	
<b>33 01 30 86-0023</b> >12" Rise, Solid Manhole Risers <small>(33 01 30 86)</small>		
<b>33 01 30 86-0024</b> Precast Concrete Manhole Riser <small>(33 01 30 86-0023)</small>		
33 01 30 86-0025 VLF Up To 26" Diameter Precast Concrete Manhole Riser.....	98.31	
33 01 30 86-0026 VLF >26" To 36" Diameter Precast Concrete Manhole Riser.....	116.14	
33 01 30 86-0027 VLF >36" To 48" Diameter Precast Concrete Manhole Riser.....	133.37	
33 01 30 86-0028 VLF >48" To 60" Diameter Precast Concrete Manhole Riser.....	285.72	
33 01 30 86-0029 VLF >60" To 72" Diameter Precast Concrete Manhole Riser.....	416.12	
<b>33 01 30 89</b> By Pass Piping And Pumping Of Sewer Utilities <small>(33 01 30)</small>		
<b>33 01 30 89-0001</b> Set-Up By-Pass Pumping Unit <small>(33 01 30 89)</small>		
Note: Excludes pump and hose rental. See CSI section 01 22 23 00-1076 for pump rental, 01 22 23 00-1109 for suction hose, 01 22 23 00-1128 for discharge hose.		
33 01 30 89-0002 EA Set-up By-Pass Pumping Unit.....	957.62	
33 01 30 89-0003 EA Re-Set Up/Move By-Pass Pumping Unit.....	478.81	
<b>33 01 30 89-0004</b> By-Pass Pumping <small>(33 01 30 89)</small>		
Note: Excludes pump rental. See CSI section 01 22 23 00-1076 for pump rental.		
33 01 30 89-0005 DAY Maintain And Operate By-Pass Pumping Unit.....	239.40	
33 01 30 89-0006 WK Maintain And Operate By-Pass Pumping Unit.....	1,197.02	
33 01 30 89-0007 MO Maintain And Operate By-Pass Pumping Unit.....	5,027.49	
<b>33 01 30 89-0008</b> Temporary Bypass And Service Lines <small>(33 01 30 89)</small>		
Note: Laid on ground, includes fittings and connections. Remove after use.		
<b>33 01 30 89-0009</b> Temporary Water Service Lines <small>(33 01 30 89-0008)</small>		
Note: Laid on ground, includes fittings, connections and chlorination prior to each use. Remove after use.		
33 01 30 89-0010 LF 1/2" Temporary Service Hose With Fittings.....	1.78	
Note: Includes removal after use.		
33 01 30 89-0011 LF 3/4" Temporary Service Hose With Fittings.....	2.26	
Note: Includes removal after use.		
33 01 30 89-0012 LF 1" Temporary Service Hose With Fittings.....	2.63	
Note: Includes removal after use.		
33 01 30 89-0013 LF 1-1/2" Temporary Service Hose With Fittings.....	3.15	
Note: Includes removal after use.		
33 01 30 89-0014 LF 2" Temporary Service Hose With Fittings.....	3.87	
Note: Includes removal after use.		
33 01 30 89-0015 EA Temporary Service Valve Assembly At Fire Hydrant.....	195.56	
Note: Includes removal after use.		
<b>33 01 30 89-0016</b> Temporary Bypass Water Main Lines <small>(33 01 30 89-0008)</small>		
Note: Laid on ground, includes fittings, connections and chlorination prior to each use. Remove after use.		
33 01 30 89-0017 LF 2" Temporary Bypass Pipe With Fittings.....	4.04	
Note: Includes removal after use.		
For >500 To 1,000, Deduct	-0.27	
For >1,000 To 5,000, Deduct	-0.54	
For >5,000, Deduct	-0.91	
33 01 30 89-0018 LF 4" Temporary Bypass Pipe With Fittings.....	5.23	
Note: Includes removal after use.		
For >500 To 1,000, Deduct	-0.35	
For >1,000 To 5,000, Deduct	-0.70	
For >5,000, Deduct	-1.17	

**33 Utilities****33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 89-0019 LF 6" Temporary Bypass Pipe With Fittings.....	6.60	
Note: Includes removal after use.		
For >500 To 1,000, Deduct	-0.41	
For >1,000 To 5,000, Deduct	-0.81	
For >5,000, Deduct	-1.36	
33 01 30 89-0020 LF 8" Temporary Bypass Pipe With Fittings.....	8.51	
Note: Includes removal after use.		
For >500 To 1,000, Deduct	-0.49	
For >1,000 To 5,000, Deduct	-0.98	
For >5,000, Deduct	-1.63	
<b>33 01 30 89-0021 Piping Protection For Temporary Water Line (33 01 30 89-0008)</b>		
33 01 30 89-0022 LF Cold Mix For Temporary Pipe.....	1.59	
Note: Install along each side of pipe edge. Unit of measure "LF" is for length of pipe and includes both sides of pipe.		
<b>33 01 30 89-0023 Drill Meter Cover For Temporary Water Line (33 01 30 89-0008)</b>		
33 01 30 89-0024 EA Drill Meter Cover For Temporary Bypass Pipe.....	7.66	
<b>33 01 34 Operation and Maintenance of Onsite Wastewater Disposal Systems (33 01)</b>		
<b>33 01 34 13 Septic Tank Solids Removal (33 01 34)</b>		
33 01 34 13-0001 Pump Out Septic Tanks (33 01 34 13)		
33 01 34 13-0002 GAL Pump Out Septic Tank And Dispose.....	0.36	
<b>33 01 40 Operation And Maintenance Of Stormwater Utilities (33 01)</b>		
<b>33 01 40 00-0001 Solid Wall High Density Polyethylene (HDPE) Culvert Slip-Lining System (33 01)</b>		
Note: Snap-Tite slip-lining system. Excludes culvert cleaning and grouting. See CSI section 33 01 40 41-0018 for culvert cleaning, 33 01 40 00-0025 for flowable fill grout.		
33 01 40 00-0002 LF 6.625" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 .....	14.79	
For Profile Wall (Corrugated), Deduct	-2.48	
33 01 40 00-0003 LF 8.625" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 .....	22.42	
For Profile Wall (Corrugated), Deduct	-3.89	
33 01 40 00-0004 LF 10.75" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 .....	20.71	
For Profile Wall (Corrugated), Deduct	-3.45	
33 01 40 00-0005 LF 12.75" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 .....	27.53	
For Profile Wall (Corrugated), Deduct	-4.66	
33 01 40 00-0006 LF 14" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 .....	31.31	
For Profile Wall (Corrugated), Deduct	-5.22	
33 01 40 00-0007 LF 16" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 .....	38.06	
For Profile Wall (Corrugated), Deduct	-6.50	
33 01 40 00-0008 LF 18" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 .....	47.87	
For Profile Wall (Corrugated), Deduct	-8.19	
33 01 40 00-0009 LF 20" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 .....	58.99	
For Profile Wall (Corrugated), Deduct	-10.21	
33 01 40 00-0010 LF 22" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 .....	68.14	
For Profile Wall (Corrugated), Deduct	-11.85	
33 01 40 00-0011 LF 24" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 .....	78.10	
For Profile Wall (Corrugated), Deduct	-13.64	
33 01 40 00-0012 LF 26" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 .....	89.34	
For Profile Wall (Corrugated), Deduct	-15.69	
33 01 40 00-0013 LF 28" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 .....	100.95	
For Profile Wall (Corrugated), Deduct	-17.82	
33 01 40 00-0014 LF 30" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 .....	117.33	
For Profile Wall (Corrugated), Deduct	-20.89	
33 01 40 00-0015 LF 32" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 .....	134.53	
For Profile Wall (Corrugated), Deduct	-24.13	
33 01 40 00-0016 LF 34" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 .....	148.90	
For Profile Wall (Corrugated), Deduct	-26.81	
33 01 40 00-0017 LF 36" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 .....	163.27	
For Profile Wall (Corrugated), Deduct	-29.49	
33 01 40 00-0018 LF 39.37" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 .....	187.20	
For Profile Wall (Corrugated), Deduct	-34.07	
33 01 40 00-0019 LF 42" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 .....	211.13	
For Profile Wall (Corrugated), Deduct	-38.66	
33 01 40 00-0020 LF 48" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 .....	273.44	
For Profile Wall (Corrugated), Deduct	-50.93	
33 01 40 00-0021 LF 54" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 .....	334.95	
For Profile Wall (Corrugated), Deduct	-63.03	
33 01 40 00-0022 LF 57" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 .....	371.60	
For Profile Wall (Corrugated), Deduct	-70.16	
33 01 40 00-0023 LF 60" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 .....	407.92	
For Profile Wall (Corrugated), Deduct	-77.23	
33 01 40 00-0024 LF 63" Outside Diameter High Density Polyethylene (HDPE) Culvert Liner DR 32.5 .....	444.92	
For Profile Wall (Corrugated), Deduct	-84.43	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 40 00-0025			Pumped Grouting For Slip-Lining Systems <sup>(33 01 40)</sup> Note: Includes all materials, embedded piping, forms, labor and pumping equipment necessary to place and install grout.		
33 01 40 00-0026	CY		Flowable Fill Grout, For Pipe Relines .....	429.86	

**33 01 60 Operation And Maintenance Of Hydronic And Steam Energy Utilities** <sup>(33 01)</sup>

33 01 60 00-0001			Remove Steel Pipe Coatings <sup>(33 01 60)</sup> Note: Excludes sand blasting. See CSI section 09 91 43 00-0015 for sand blasting.		
33 01 60 00-0002	SF		Remove Coating From Steel Pipe .....	1.37	
			<i>For Work In Confined Space, Add</i> .....	0.41	
			<i>For PPE And Bagging Removed Coating (Includes Respirator And Disposable Suit), Add</i> .....	0.69	

**33 05 Common Work Results For Utilities** <sup>(33)</sup>

**33 05 07 Trenchless Installation of Utility Piping** <sup>(33 05)</sup>

**33 05 07 13 Utility Directional Drilling** <sup>(33 05 07)</sup>

33 05 07 13-0001			Horizontal Augering <sup>(33 05 07 13)</sup> Note: Excludes starting or receiving pits, dewatering, cost of casing pipe or spoils removal.		
33 05 07 13-0002	LF		Up To 2" Diameter Horizontal Hand Augering .....	11.67	
33 05 07 13-0003	LF		3" Diameter Horizontal Hand Augering .....	14.08	
33 05 07 13-0004	LF		4" Diameter Horizontal Hand Augering .....	19.31	
33 05 07 13-0005	LF		6" Diameter Horizontal Hand Augering .....	24.93	
33 05 07 13-0006	LF		8" Diameter Horizontal Augering .....	46.25	
33 05 07 13-0007	LF		10" Diameter Horizontal Augering .....	67.48	
33 05 07 13-0008	LF		12" Diameter Horizontal Augering .....	81.09	
33 05 07 13-0009	LF		16" Diameter Horizontal Augering .....	96.87	
33 05 07 13-0010	LF		20" Diameter Horizontal Augering .....	167.61	
33 05 07 13-0011	LF		24" Diameter Horizontal Augering .....	216.87	
33 05 07 13-0012	LF		30" Diameter Horizontal Augering .....	267.50	
33 05 07 13-0013	LF		36" Diameter Horizontal Augering .....	305.63	
33 05 07 13-0014	LF		42" Diameter Horizontal Augering .....	424.19	
33 05 07 13-0015	LF		48" Diameter Horizontal Augering .....	457.07	
33 05 07 13-0016	LF		54" Diameter Horizontal Augering .....	497.08	
33 05 07 13-0017	LF		60" Diameter Horizontal Augering .....	521.14	
33 05 07 13-0018	EA		8" To 20" Horizontal Augering Minimum Set-up Charge .....	1,959.08	
			Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 13-0019	EA		>20" To 36" Horizontal Augering Minimum Set-up Charge .....	2,749.98	
			Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 07 13-0020	EA		>36" Horizontal Augering Minimum Set-up Charge .....	4,330.32	
			Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		

**33 05 07 13-0021 Horizontal Directional Boring** <sup>(33 05 07 13)</sup>

			Note: Excludes receiving pits or dewatering or cost of casing pipe.		
33 05 07 13-0022	LF		Up To 1-1/2" Diameter Directional Boring For Horizontal Pipe, Underground .....	6.37	
			<i>For Horizontal Boring Through Rock, Add</i> .....	4.46	
33 05 07 13-0023	LF		2" Diameter Directional Boring For Horizontal Pipe, Underground .....	9.55	
			<i>For Horizontal Boring Through Rock, Add</i> .....	6.69	
33 05 07 13-0024	LF		2-1/2" Diameter Directional Boring For Horizontal Pipe, Underground .....	13.27	
			<i>For Horizontal Boring Through Rock, Add</i> .....	9.29	
33 05 07 13-0025	LF		3" Diameter Directional Boring For Horizontal Pipe, Underground .....	16.45	
			<i>For Horizontal Boring Through Rock, Add</i> .....	11.52	
33 05 07 13-0026	LF		4" Diameter Directional Boring For Horizontal Pipe, Underground .....	19.64	
			<i>For Horizontal Boring Through Rock, Add</i> .....	13.75	
33 05 07 13-0027	LF		5" Diameter Directional Boring For Horizontal Pipe, Underground .....	22.82	
			<i>For Horizontal Boring Through Rock, Add</i> .....	15.97	
33 05 07 13-0028	LF		6" Diameter Directional Boring For Horizontal Pipe, Underground .....	26.54	
			<i>For Horizontal Boring Through Rock, Add</i> .....	18.58	
33 05 07 13-0029	LF		8" Diameter Directional Boring For Horizontal Pipe, Underground .....	32.65	
			<i>For Horizontal Boring Through Rock, Add</i> .....	22.86	
33 05 07 13-0030	LF		10" Diameter Directional Boring For Horizontal Pipe, Underground .....	35.38	
			<i>For Horizontal Boring Through Rock, Add</i> .....	24.77	
33 05 07 13-0031	LF		12" Diameter Directional Boring For Horizontal Pipe, Underground .....	38.09	
			<i>For Horizontal Boring Through Rock, Add</i> .....	26.66	
33 05 07 13-0032	LF		18" Diameter Directional Boring For Horizontal Pipe, Underground .....	78.91	
			<i>For Horizontal Boring Through Rock, Add</i> .....	55.24	
33 05 07 13-0033	LF		24" Diameter Directional Boring For Horizontal Pipe, Underground .....	128.12	
			<i>For Horizontal Boring Through Rock, Add</i> .....	69.68	
33 05 07 13-0034	LF		30" Diameter Directional Boring For Horizontal Pipe, Underground .....	195.31	
			<i>For Horizontal Boring Through Rock, Add</i> .....	136.72	

**33 Utilities****33 05 Common Work Results For Utilities****33 05 07 Trenchless Installation of Utility Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 13-0035 LF 36" Diameter Directional Boring For Horizontal Pipe, Underground ..... <i>For Horizontal Boring Through Rock, Add</i>	312.50 218.75	
33 05 07 13-0036 EA Up To 6" Horizontal Directional Boring Minimum Set-up Charge..... Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,698.30	
33 05 07 13-0037 EA >6" To 18" Horizontal Directional Boring Minimum Set-up Charge..... Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,959.08	
33 05 07 13-0038 EA >18" To 36" Horizontal Directional Boring Minimum Set-up Charge..... Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	2,749.98	

**33 05 07 23 Utility Boring and Jacking (33 05 07)****33 05 07 23-0001 Horizontal Jacking (33 05 07 23)**

Note: Includes cost of steel casing pipe, excludes dewatering and excavation for jacking pit or receiving pit.

33 05 07 23-0002 LF Up To 2" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	34.92 16.28	
33 05 07 23-0003 LF 3" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	41.84 19.64	
33 05 07 23-0004 LF 4" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	56.52 26.94	
33 05 07 23-0005 LF 6" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	73.05 34.80	
33 05 07 23-0006 LF 8" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	98.90 47.71	
33 05 07 23-0007 LF 10" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	145.03 69.60	
33 05 07 23-0008 LF 12" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	174.62 83.64	
33 05 07 23-0009 LF 16" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	208.48 99.92	
33 05 07 23-0010 LF 20" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	323.08 173.45	
33 05 07 23-0011 LF 24" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	543.18 194.66	
33 05 07 23-0012 LF 30" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	629.68 240.37	
33 05 07 23-0013 LF 36" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	710.73 274.83	
33 05 07 23-0014 LF 42" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	763.30 296.79	
33 05 07 23-0015 LF 48" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	827.96 319.78	
33 05 07 23-0016 LF 54" Diameter Horizontal Jacking..... <i>For Horizontal Jacking Through Rock, Add</i>	884.11 348.03	
33 05 07 23-0017 EA Up To 6" Horizontal Jacking Minimum Set-up Charge..... Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,698.30	
33 05 07 23-0018 EA >6" To 20" Horizontal Jacking Minimum Set-up Charge..... Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,959.08	
33 05 07 23-0019 EA >20" To 36" Horizontal Jacking Minimum Set-up Charge..... Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	2,749.98	
33 05 07 23-0020 EA >36" Horizontal Jacking Minimum Set-up Charge..... Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,330.32	

**33 05 07 24 Casing Piping for Utility Jacking (33 05 07)****33 05 07 24-0001 Casing Pipe (33 05 07 24)**

Note: Casing pipe is pulled back from hook on boring auger through slurry. Costs are installed costs. Excludes boring.

**33 05 07 24-0002 Steel Pipe (33 05 07 24-0001)**

33 05 07 24-0003 LF 1-1/2" Steel Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	10.75	
33 05 07 24-0004 LF 2" Steel Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	11.37	
33 05 07 24-0005 LF 2-1/2" Steel Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	12.30	
33 05 07 24-0006 LF 3" Steel Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	13.25	
33 05 07 24-0007 LF 4" Steel Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	16.83	
33 05 07 24-0008 LF 5" Steel Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	19.06	
33 05 07 24-0009 LF 6" Steel Pipe Pull In Place By Boring Machine..... Note: Includes pipe welding.	21.30	

**33 05 07 24-0010 Polyethylene Pipe (33 05 07 24-0001)**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 24-0011 LF 3/4" Polyethylene Pipe Pull In Place By Boring Machine.....	3.92	
Note: Includes pipe welding.		
33 05 07 24-0012 LF 1" Polyethylene Pipe Pull In Place By Boring Machine.....	4.27	
Note: Includes pipe welding.		
33 05 07 24-0013 LF 1-1/4" Polyethylene Pipe Pull In Place By Boring Machine.....	4.63	
Note: Includes pipe welding.		
33 05 07 24-0014 LF 1-1/2" Polyethylene Pipe Pull In Place By Boring Machine.....	4.95	
Note: Includes pipe welding.		
33 05 07 24-0015 LF 2" Polyethylene Pipe Pull In Place By Boring Machine.....	5.29	
Note: Includes pipe welding.		
33 05 07 24-0016 LF 2-1/2" Polyethylene Pipe Pull In Place By Boring Machine.....	5.69	
Note: Includes pipe welding.		
33 05 07 24-0017 LF 3" Polyethylene Pipe Pull In Place By Boring Machine.....	6.10	
Note: Includes pipe welding.		
33 05 07 24-0018 LF 4" Polyethylene Pipe Pull In Place By Boring Machine.....	7.53	
Note: Includes pipe welding.		
33 05 07 24-0019 LF 5" Polyethylene Pipe Pull In Place By Boring Machine.....	8.41	
Note: Includes pipe welding.		
33 05 07 24-0020 LF 6" Polyethylene Pipe Pull In Place By Boring Machine.....	9.29	
Note: Includes pipe welding.		
33 05 07 24-0021 LF 8" Polyethylene Pipe Pull In Place By Boring Machine.....	12.36	
Note: Includes pipe welding.		
33 05 07 24-0022 LF 10" Polyethylene Pipe Pull In Place By Boring Machine.....	17.17	
Note: Includes pipe welding.		

**33 05 61 Concrete Manholes** (33 05)

33 05 61 00-0001	Manholes <small>(33 05 61)</small>		
33 05 61 00-0002	Cast In Place Concrete, 8" Thick <small>(33 05 61 00-0001)</small>		
	Note: Includes base, wall, top and block-out for openings.		
33 05 61 00-0003	48" Diameter <small>(33 05 61 00-0002)</small>		
33 05 61 00-0004	EA 4' Diameter x 4' Deep Cast In Place Manhole 8" Thick.....	1,403.80	299.55
33 05 61 00-0005	EA 4' Diameter x 6' Deep Cast In Place Manhole 8" Thick.....	1,945.81	409.83
33 05 61 00-0006	EA 4' Diameter x 8' Deep Cast In Place Manhole 8" Thick.....	2,676.38	614.37
33 05 61 00-0007	VLF 4' Diameter x Vertical Linear Foot Depth Cast In Place Manhole 8" Thick, Over 8'.....	328.01	76.83
33 05 61 00-0008	Precast Concrete Manholes <small>(33 05 61 00-0001)</small>		
	Note: Includes base, riser(s), reducer and openings. See CSI section 33 05 84 00-0002 for top slabs.		
33 05 61 00-0009	3' Diameter, Precast Concrete Manholes <small>(33 05 61 00-0008)</small>		
33 05 61 00-0010	EA 4' Deep, 3' Diameter, Precast Concrete Manhole.....	887.60	133.30
	For Bitumastic Coating, Add	44.57	
	For Epoxy Coating, Add	85.16	
33 05 61 00-0011	EA 6' Deep, 3' Diameter, Precast Concrete Manhole.....	1,203.72	191.46
	For Bitumastic Coating, Add	66.85	
	For Epoxy Coating, Add	127.74	
33 05 61 00-0012	EA 8' Deep, 3' Diameter, Precast Concrete Manhole.....	1,602.22	290.83
	For Bitumastic Coating, Add	89.13	
	For Epoxy Coating, Add	170.32	
33 05 61 00-0013	VLF Riser For 3' Diameter, Precast Concrete Manhole.....	167.75	33.93
	Note: For depths greater than 8'.		
	For Bitumastic Coating, Add	11.14	
	For Epoxy Coating, Add	21.29	
33 05 61 00-0014	VLF Drop Collar For 3' Diameter, Precast Concrete Manhole.....	182.40	33.93
33 05 61 00-0015	EA Drop Base For 3' Diameter, Precast Concrete Manhole.....	304.35	33.93
33 05 61 00-0016	EA Extended Base Slab For 3' Diameter, Precast Concrete Manhole.....	238.86	33.93
33 05 61 00-0017	EA Precast Channel For 3' Diameter, Precast Concrete Manhole.....	350.40	33.93
33 05 61 00-0018	4' Diameter, Precast Concrete Manholes <small>(33 05 61 00-0008)</small>		
33 05 61 00-0019	EA 4' Deep, 4' Diameter, Precast Concrete Manhole.....	1,135.39	152.68
	For Bitumastic Coating, Add	44.57	
	For Epoxy Coating, Add	85.16	
33 05 61 00-0020	EA 6' Deep, 4' Diameter, Precast Concrete Manhole.....	1,514.47	208.42
	For Bitumastic Coating, Add	66.85	
	For Epoxy Coating, Add	127.74	
33 05 61 00-0021	EA 8' Deep, 4' Diameter, Precast Concrete Manhole.....	1,990.89	315.06
	For Bitumastic Coating, Add	89.13	
	For Epoxy Coating, Add	170.32	
33 05 61 00-0022	VLF Riser For 4' Diameter, Precast Concrete Manhole.....	211.95	39.99
	Note: For depths greater than 8'.		
	For Bitumastic Coating, Add	11.14	
	For Epoxy Coating, Add	21.29	
33 05 61 00-0023	VLF Drop Collar For 4' Diameter, Precast Concrete Manhole.....	231.49	39.99
33 05 61 00-0024	EA Drop Base For 4' Diameter, Precast Concrete Manhole.....	394.07	39.99
33 05 61 00-0025	EA Extended Base Slab For 4' Diameter, Precast Concrete Manhole.....	306.76	39.99
33 05 61 00-0026	EA Precast Channel For 4' Diameter, Precast Concrete Manhole.....	455.48	39.99
33 05 61 00-0027	5' Diameter, Precast Concrete Manholes <small>(33 05 61 00-0008)</small>		



**33 Utilities****33 05 Common Work Results For Utilities****33 05 61 Concrete Manholes**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 61 00-0028 EA 4' Deep, 5' Diameter, Precast Concrete Manhole .....	2,158.47	169.64
For Bitumastic Coating, Add	57.42	
For Epoxy Coating, Add	137.29	
33 05 61 00-0029 EA 6' Deep, 5' Diameter, Precast Concrete Manhole .....	2,873.37	232.66
For Bitumastic Coating, Add	86.13	
For Epoxy Coating, Add	205.94	
33 05 61 00-0030 EA 8' Deep, 5' Diameter, Precast Concrete Manhole .....	3,696.17	348.99
For Bitumastic Coating, Add	114.84	
For Epoxy Coating, Add	274.58	
33 05 61 00-0031 VLF Riser For 5' Diameter, Precast Concrete Manhole.....	382.44	43.63
Note: For depths greater than 8'.		
For Bitumastic Coating, Add	14.36	
For Epoxy Coating, Add	34.32	
<b>33 05 61 00-0032 6' Diameter, Precast Concrete Manholes</b> (33 05 61 00-0008)		
33 05 61 00-0033 EA 4' Deep, 6' Diameter, Precast Concrete Manhole .....	2,904.80	189.03
For Bitumastic Coating, Add	65.74	
For Epoxy Coating, Add	160.73	
33 05 61 00-0034 EA 6' Deep, 6' Diameter, Precast Concrete Manhole .....	3,780.74	256.90
For Bitumastic Coating, Add	98.61	
For Epoxy Coating, Add	241.10	
33 05 61 00-0035 EA 8' Deep, 6' Diameter, Precast Concrete Manhole .....	4,777.46	387.77
For Bitumastic Coating, Add	131.48	
For Epoxy Coating, Add	321.46	
33 05 61 00-0036 VLF Riser For 6' Diameter, Precast Concrete Manhole.....	465.55	48.47
Note: For depths greater than 8'.		
For Bitumastic Coating, Add	16.43	
For Epoxy Coating, Add	40.18	
<b>33 05 61 00-0037 7' Diameter, Precast Concrete Manholes</b> (33 05 61 00-0008)		
33 05 61 00-0038 EA 4' Deep, 7' Diameter, Precast Concrete Manhole .....	4,599.21	208.42
For Bitumastic Coating, Add	139.80	
For Epoxy Coating, Add	280.87	
33 05 61 00-0039 EA 6' Deep, 7' Diameter, Precast Concrete Manhole .....	5,944.19	284.28
For Bitumastic Coating, Add	209.69	
For Epoxy Coating, Add	421.30	
33 05 61 00-0040 EA 8' Deep, 7' Diameter, Precast Concrete Manhole .....	7,422.00	426.54
For Bitumastic Coating, Add	279.59	
For Epoxy Coating, Add	561.73	
33 05 61 00-0041 VLF Riser For 7' Diameter, Precast Concrete Manhole.....	703.28	53.32
Note: For depths greater than 8'.		
For Bitumastic Coating, Add	34.95	
For Epoxy Coating, Add	70.22	
<b>33 05 61 00-0042 8' Diameter, Precast Concrete Manholes</b> (33 05 61 00-0008)		
33 05 61 00-0043 EA 4' Deep, 8' Diameter, Precast Concrete Manhole .....	6,669.59	239.94
For Bitumastic Coating, Add	165.27	
For Epoxy Coating, Add	342.35	
33 05 61 00-0044 EA 6' Deep, 8' Diameter, Precast Concrete Manhole .....	8,644.53	327.18
For Bitumastic Coating, Add	247.90	
For Epoxy Coating, Add	513.53	
33 05 61 00-0045 EA 8' Deep, 8' Diameter, Precast Concrete Manhole .....	10,772.16	490.77
For Bitumastic Coating, Add	330.54	
For Epoxy Coating, Add	684.70	
33 05 61 00-0046 VLF Riser For 8' Diameter, Precast Concrete Manhole.....	1,021.40	60.59
Note: For depths greater than 8'.		
For Bitumastic Coating, Add	41.32	
For Epoxy Coating, Add	85.59	
<b>33 05 63 Concrete Vaults and Chambers</b> (33 05)		
<b>33 05 63 00-0001 Underground Utility Vaults And Structures</b> (33 05 63)		
See CSI section 33 05 61 00-0001 for manholes, 33 05 84 00-0098 for frames and covers.		
<b>33 05 63 00-0002 Precast Concrete Underground Utility Vault</b> (33 05 63 00-0001)		
Note: Sizes given are for inside dimensions.		
<b>33 05 63 00-0003 6' High Precast Concrete Underground Utility Vault</b> (33 05 63 00-0002)		
33 05 63 00-0004 EA 4' x 4' x 6' Precast Concrete Underground Utility Vault.....	3,037.81	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0005 EA 4' x 6' x 6' Precast Concrete Underground Utility Vault.....	3,959.68	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0006 EA 5' x 10' x 6' Precast Concrete Underground Utility Vault.....	6,532.16	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0007 EA 5' x 12' x 6' Precast Concrete Underground Utility Vault.....	7,542.82	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0008 EA 6' x 6' x 6' Precast Concrete Underground Utility Vault.....	5,060.09	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0009 EA 6' x 8' x 6' Precast Concrete Underground Utility Vault.....	6,159.98	
Note: 6" thick walls and 8" thick top.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0010 EA 6' x 10' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,260.39	
33 05 63 00-0011 EA 6' x 12' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	10,489.68	
33 05 63 00-0012 EA 6' x 14' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	10,489.68	
33 05 63 00-0013 EA 6' x 16' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	13,208.28	
33 05 63 00-0014 EA 8' x 8' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,438.91	
33 05 63 00-0015 EA 8' x 10' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,717.35	
33 05 63 00-0016 EA 8' x 12' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	12,460.58	
33 05 63 00-0017 EA 8' x 14' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	14,024.07	
<b>33 05 63 00-0018 7' High Precast Concrete Underground Utility Vault</b> <small>(33 05 63 00-0002)</small>		
33 05 63 00-0019 EA 4' x 4' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	3,343.98	
33 05 63 00-0020 EA 4' x 6' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,342.17	
33 05 63 00-0021 EA 4' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,340.33	
33 05 63 00-0022 EA 5' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,105.64	
33 05 63 00-0023 EA 5' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,193.06	
33 05 63 00-0024 EA 6' x 6' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,518.85	
33 05 63 00-0025 EA 6' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,695.57	
33 05 63 00-0026 EA 6' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,872.25	
33 05 63 00-0027 EA 6' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	11,407.23	
33 05 63 00-0028 EA 6' x 16' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	14,329.77	
33 05 63 00-0029 EA 8' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,050.77	
33 05 63 00-0030 EA 8' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,405.51	
33 05 63 00-0031 EA 8' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	13,480.38	
33 05 63 00-0032 EA 8' x 14' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	15,145.09	
33 05 63 00-0033 EA 10' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	13,684.14	
<b>33 05 63 00-0034 8' High Precast Concrete Underground Utility Vault</b> <small>(33 05 63 00-0002)</small>		
33 05 63 00-0035 EA 4' x 4' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	3,649.66	
33 05 63 00-0036 EA 4' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,724.63	
33 05 63 00-0037 EA 5' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,679.11	
33 05 63 00-0038 EA 5' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,842.84	
33 05 63 00-0039 EA 6' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,977.63	
33 05 63 00-0040 EA 6' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,230.64	
33 05 63 00-0041 EA 6' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,483.65	
33 05 63 00-0042 EA 6' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	12,324.76	
33 05 63 00-0043 EA 6' x 16' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	15,451.31	
33 05 63 00-0044 EA 8' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,662.16	
33 05 63 00-0045 EA 8' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	10,093.69	
33 05 63 00-0046 EA 8' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	14,499.68	
33 05 63 00-0047 EA 8' x 14' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	16,266.61	
33 05 63 00-0048 EA 10' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	14,703.62	
<b>33 05 63 00-0049 10' High Precast Concrete Underground Utility Vault</b> <small>(33 05 63 00-0002)</small>		

**33 Utilities****33 05 Common Work Results For Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0050 EA 6' x 6' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,436.43	
33 05 63 00-0051 EA 6' x 8' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,765.71	
33 05 63 00-0052 EA 10' x 10' x 10' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	15,722.89	
<b>33 05 63 00-0053 12' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)</b>		
33 05 63 00-0054 EA 6' x 6' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,895.20	
33 05 63 00-0055 EA 6' x 8' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,301.29	
<b>33 05 63 00-0056 Meter Pit (33 05 63 00-0001)</b>		
<b>33 05 63 00-0057 Precast Concrete Meter Pit (33 05 63 00-0056)</b>		
33 05 63 00-0058 EA 4' x 4' x 4' Deep Precast Concrete Meter Pit.....	1,955.44	
33 05 63 00-0059 EA 4' x 4' x 6' Deep Precast Concrete Meter Pit.....	2,680.73	
33 05 63 00-0060 EA 4' x 4' x 8' Deep Precast Concrete Meter Pit.....	3,407.93	
33 05 63 00-0061 EA 4' x 4' x 10' Deep Precast Concrete Meter Pit.....	4,246.76	
33 05 63 00-0062 EA 4' x 4' x 15' Deep Precast Concrete Meter Pit.....	5,953.39	
33 05 63 00-0063 EA 6' x 6' x 4' Deep Precast Concrete Meter Pit.....	2,992.46	
33 05 63 00-0064 EA 6' x 6' x 6' Deep Precast Concrete Meter Pit.....	4,246.76	
33 05 63 00-0065 EA 6' x 6' x 8' Deep Precast Concrete Meter Pit.....	5,512.29	
33 05 63 00-0066 EA 6' x 6' x 10' Deep Precast Concrete Meter Pit.....	6,875.15	
33 05 63 00-0067 EA 6' x 6' x 15' Deep Precast Concrete Meter Pit.....	9,954.24	
<b>33 05 63 00-0068 Handhole Or Pull Box Enclosures (33 05 63 00-0001)</b>		
<b>33 05 63 00-0069 Polymer Concrete Handhole Enclosures (33 05 63 00-0068)</b>		
<b>33 05 63 00-0070 Polymer Concrete Handhole Enclosures (33 05 63 00-0069)</b>		
<b>33 05 63 00-0071 Flared Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0070)</b>		
<b>33 05 63 00-0072 Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0071)</b>		
33 05 63 00-0073 EA 12" x 12", 24" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	204.62	10.52
33 05 63 00-0074 EA 10" x 15", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	165.08	23.37
33 05 63 00-0075 EA 13" x 24", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	252.55	35.06
33 05 63 00-0076 EA 17" x 30", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	298.18	35.06
33 05 63 00-0077 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	283.10	35.06
33 05 63 00-0078 EA 13" x 24", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	348.91	35.06
33 05 63 00-0079 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	338.98	35.06
33 05 63 00-0080 EA 17" x 30", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	472.24	35.06
33 05 63 00-0081 EA 27" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	673.20	46.74
33 05 63 00-0082 EA 27" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	959.98	46.74
33 05 63 00-0083 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	593.45	64.27
33 05 63 00-0084 EA 24" x 36", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	683.26	64.27
33 05 63 00-0085 EA 24" x 36", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,150.45	64.27
33 05 63 00-0086 EA 39" Round, 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	632.53	70.10
33 05 63 00-0087 EA 39" Round, 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	926.71	70.10
33 05 63 00-0088 EA 39" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,167.27	70.10
33 05 63 00-0089 EA 39" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,736.25	70.10
33 05 63 00-0090 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	919.79	114.64
33 05 63 00-0091 EA 30" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,362.54	114.64
<b>33 05 63 00-0092 Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0071)</b>		
33 05 63 00-0093 EA 12" x 12", 24" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	264.23	10.52



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0094 EA 13" x 24", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	323.55	35.06
33 05 63 00-0095 EA 17" x 30", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	396.99	35.06
33 05 63 00-0096 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	364.12	35.06
33 05 63 00-0097 EA 13" x 24", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	420.36	35.06
33 05 63 00-0098 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	435.11	35.06
33 05 63 00-0099 EA 17" x 30", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	569.20	35.06
33 05 63 00-0100 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	744.42	64.27
33 05 63 00-0101 EA 24" x 36", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	834.23	64.27
33 05 63 00-0102 EA 24" x 36", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	1,301.43	64.27
33 05 63 00-0103 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	1,096.21	114.64
33 05 63 00-0104 EA 30" x 48", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	1,542.33	114.64
<b>33 05 63 00-0105</b> Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0070)</small>		
<b>33 05 63 00-0106</b> Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0105)</small>		
33 05 63 00-0107 EA 5" x 16", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	340.94	10.52
33 05 63 00-0108 EA 10" x 12", 15" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	286.99	10.52
33 05 63 00-0109 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	212.73	35.06
33 05 63 00-0110 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	244.57	35.06
33 05 63 00-0111 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	73.87	10.52
33 05 63 00-0112 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	118.99	10.52
33 05 63 00-0113 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	197.30	10.52
33 05 63 00-0114 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	206.77	10.52
33 05 63 00-0115 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	161.78	23.37
33 05 63 00-0116 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	176.31	23.37
33 05 63 00-0117 EA 8" x 8", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	117.05	10.52
33 05 63 00-0118 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	134.81	10.52
33 05 63 00-0119 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	174.80	23.37
33 05 63 00-0120 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	199.24	23.37
33 05 63 00-0121 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	183.42	23.37
33 05 63 00-0122 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	214.22	35.06
33 05 63 00-0123 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	238.19	35.06
33 05 63 00-0124 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	256.01	35.06
33 05 63 00-0125 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	282.86	35.06
33 05 63 00-0126 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	336.40	35.06
33 05 63 00-0127 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	368.88	35.06
33 05 63 00-0128 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	404.42	35.06
33 05 63 00-0129 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	426.76	35.06
33 05 63 00-0130 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	504.75	46.74
33 05 63 00-0131 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	496.16	64.27
33 05 63 00-0132 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	651.81	64.27
33 05 63 00-0133 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	795.52	64.27
33 05 63 00-0134 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	886.28	64.27
33 05 63 00-0135 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	976.56	64.27
33 05 63 00-0136 EA 36" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,092.52	114.64
33 05 63 00-0137 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	774.35	114.64

**33 Utilities****33 05 Common Work Results For Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0138	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	889.63	114.64
33 05 63 00-0139	EA	30" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,110.05	114.64
33 05 63 00-0140	EA	30" x 60", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,107.79	114.64
33 05 63 00-0141	EA	30" x 60", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,190.07	114.64
33 05 63 00-0142	EA	30" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,348.31	114.64
33 05 63 00-0143	EA	36" x 60", 19" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,228.42	122.83
33 05 63 00-0144	EA	36" x 60", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,340.14	122.83
33 05 63 00-0145	EA	36" x 60", 31" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,482.78	122.83
33 05 63 00-0146	EA	36" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,539.85	122.83
33 05 63 00-0147	EA	48" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,559.69	122.83
33 05 63 00-0148	EA	48" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,777.02	122.83
33 05 63 00-0149	EA	36" x 72", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,354.95	122.83
33 05 63 00-0150	EA	36" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,812.89	122.83
33 05 63 00-0151	EA	48" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,045.45	131.02
33 05 63 00-0152	EA	48" x 72", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,543.71	131.02
33 05 63 00-0153	EA	48" x 96", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,286.26	131.02
<b>33 05 63 00-0154</b>		<b>Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures</b> <small>(33 05 63 00-0105)</small>		
33 05 63 00-0155	EA	13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	295.39	35.06
33 05 63 00-0156	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	342.61	35.06
33 05 63 00-0157	EA	6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	130.48	10.52
33 05 63 00-0158	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	192.14	10.52
33 05 63 00-0159	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	260.30	10.52
33 05 63 00-0160	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	269.79	10.52
33 05 63 00-0161	EA	10" x 15", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	223.84	23.37
33 05 63 00-0162	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	233.95	23.37
33 05 63 00-0163	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	247.48	23.37
33 05 63 00-0164	EA	8" x 8", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	178.77	10.52
33 05 63 00-0165	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	212.71	10.52
33 05 63 00-0166	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	247.15	23.37
33 05 63 00-0167	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	271.59	23.37
33 05 63 00-0168	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	256.54	23.37
33 05 63 00-0169	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	294.93	35.06
33 05 63 00-0170	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	319.20	35.06
33 05 63 00-0171	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	352.33	35.06
33 05 63 00-0172	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	379.01	35.06
33 05 63 00-0173	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	432.39	35.06
33 05 63 00-0174	EA	17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	465.01	35.06
33 05 63 00-0175	EA	17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	500.39	35.06
33 05 63 00-0176	EA	17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	522.90	35.06
33 05 63 00-0177	EA	24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	637.55	46.74
33 05 63 00-0178	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	647.15	64.27



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0179 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	802.61	64.27
33 05 63 00-0180 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	946.17	64.27
33 05 63 00-0181 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,036.78	64.27
33 05 63 00-0182 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,127.36	64.27
33 05 63 00-0183 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	949.11	114.64
33 05 63 00-0184 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,064.55	114.64
33 05 63 00-0185 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,284.81	114.64
<b>33 05 63 00-0186</b> <b>Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures</b> <small>(33 05 63 00-0186)</small>		
33 05 63 00-0187 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	269.00	35.06
33 05 63 00-0188 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	317.53	35.06
33 05 63 00-0189 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	94.39	10.52
33 05 63 00-0190 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	160.46	10.52
33 05 63 00-0191 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	233.93	10.52
33 05 63 00-0192 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	243.60	10.52
33 05 63 00-0193 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	206.48	23.37
33 05 63 00-0194 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	234.61	23.37
33 05 63 00-0195 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	139.42	10.52
33 05 63 00-0196 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	220.30	23.37
33 05 63 00-0197 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	255.34	23.37
33 05 63 00-0198 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	229.41	23.37
33 05 63 00-0199 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	291.21	35.06
33 05 63 00-0200 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	339.12	35.06
33 05 63 00-0201 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	355.05	35.06
33 05 63 00-0202 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	392.99	35.06
33 05 63 00-0203 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	427.89	35.06
33 05 63 00-0204 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	460.84	35.06
33 05 63 00-0205 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	519.83	35.06
33 05 63 00-0206 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	528.06	35.06
33 05 63 00-0207 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	647.83	46.74
33 05 63 00-0208 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	660.49	64.27
33 05 63 00-0209 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	832.18	64.27
33 05 63 00-0210 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,001.97	64.27
33 05 63 00-0211 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,114.75	64.27
33 05 63 00-0212 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,227.53	64.27
33 05 63 00-0213 EA 36" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,302.65	114.64
33 05 63 00-0214 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	984.49	114.64
33 05 63 00-0215 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,108.76	114.64
33 05 63 00-0216 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,329.03	114.64
33 05 63 00-0217 EA 30" x 60", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,426.19	114.64
33 05 63 00-0218 EA 30" x 60", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,456.61	114.64
33 05 63 00-0219 EA 30" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,751.77	114.64
33 05 63 00-0220 EA 36" x 60", 19" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,614.66	122.83
33 05 63 00-0221 EA 36" x 60", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,672.39	122.83
33 05 63 00-0222 EA 36" x 60", 31" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,836.15	122.83

**33 Utilities****33 05 Common Work Results For Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0223 EA 36" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,960.08	122.83
33 05 63 00-0224 EA 36" x 72", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,794.42	122.83
33 05 63 00-0225 EA 36" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,237.67	122.83
33 05 63 00-0226 EA 48" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,932.42	122.83
33 05 63 00-0227 EA 48" x 48", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,131.30	122.83
33 05 63 00-0228 EA 48" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,592.50	131.02
33 05 63 00-0229 EA 48" x 72", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,090.95	131.02
33 05 63 00-0230 EA 48" x 96", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	4,197.11	131.02
<b>33 05 63 00-0231 Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures</b> <small>(33 05 63 00-0105)</small>		
33 05 63 00-0232 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	351.63	35.06
33 05 63 00-0233 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	415.76	35.06
33 05 63 00-0234 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	150.54	10.52
33 05 63 00-0235 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	233.46	10.52
33 05 63 00-0236 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	296.81	10.52
33 05 63 00-0237 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	306.60	10.52
33 05 63 00-0238 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	278.83	23.37
33 05 63 00-0239 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	306.79	23.37
33 05 63 00-0240 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	219.65	10.52
33 05 63 00-0241 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	292.32	23.37
33 05 63 00-0242 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	327.37	23.37
33 05 63 00-0243 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	281.88	23.37
33 05 63 00-0244 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	372.25	35.06
33 05 63 00-0245 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	420.16	35.06
33 05 63 00-0246 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	451.19	35.06
33 05 63 00-0247 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	489.14	35.06
33 05 63 00-0248 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	524.02	35.06
33 05 63 00-0249 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	556.98	35.06
33 05 63 00-0250 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	616.00	35.06
33 05 63 00-0251 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	624.19	35.06
33 05 63 00-0252 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	780.46	46.74
33 05 63 00-0253 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	811.46	64.27
33 05 63 00-0254 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	982.99	64.27
33 05 63 00-0255 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,152.60	64.27
33 05 63 00-0256 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,265.46	64.27
33 05 63 00-0257 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,378.33	64.27
33 05 63 00-0258 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,159.40	114.64
33 05 63 00-0259 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,283.84	114.64
33 05 63 00-0260 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,503.95	114.64
<b>33 05 63 00-0261 Footed, Straight Sides, Polymer Concrete Handhole Enclosures</b> <small>(33 05 63 00-0105)</small>		
33 05 63 00-0262 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure .....	289.15	35.06
33 05 63 00-0263 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure .....	195.53	23.37



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 05 63 00-0264	EA 11" x 18", 18" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure .....	222.55	23.37
	33 05 63 00-0265	EA 13" x 24", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure .....	254.08	35.06
	33 05 63 00-0266	EA 11" x 18", 12" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure .....	204.38	23.37
	33 05 63 00-0267	EA 11" x 18", 18" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure .....	230.26	23.37
<b>33 05 63 00-0268</b>		<b>Polymer Concrete Handhole Enclosure Extensions <small>(33 05 63 00-0069)</small></b>		
	33 05 63 00-0269	EA 13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	203.77	35.06
	33 05 63 00-0270	EA 17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	231.93	35.06
	33 05 63 00-0271	EA 24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	261.03	46.74
	33 05 63 00-0272	EA 24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	288.68	46.74
	33 05 63 00-0273	EA 24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	334.95	64.27
	33 05 63 00-0274	EA 36" x 36", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	610.36	114.64
	33 05 63 00-0275	EA 30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	580.13	114.64
	33 05 63 00-0276	EA 30" x 48", 11" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	586.73	114.64
	33 05 63 00-0277	EA 36" x 60", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	810.82	122.83
	33 05 63 00-0278	EA 48" x 72", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	1,325.90	131.02
	33 05 63 00-0279	EA 48" x 96", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	1,764.96	131.02
	33 05 63 00-0280	EA 13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension .....	351.52	35.06
	33 05 63 00-0281	EA 17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension .....	368.72	35.06
	33 05 63 00-0282	EA 24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension .....	387.06	46.74
	33 05 63 00-0283	EA 24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension .....	415.01	46.74
	33 05 63 00-0284	EA 24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension .....	473.18	64.27
	33 05 63 00-0285	EA 30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension .....	775.48	114.64
	33 05 63 00-0286	EA 13" x 24", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension .....	267.43	35.06
	33 05 63 00-0287	EA 17" x 30", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension .....	301.36	35.06
	33 05 63 00-0288	EA 24" x 36", 4" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension .....	383.63	64.27
	33 05 63 00-0289	EA 36" x 60", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension .....	778.46	122.83
<b>33 05 63 00-0290</b>		<b>Polymer Concrete Handhole Enclosure Covers <small>(33 05 63 00-0069)</small></b>		
<b>33 05 63 00-0291</b>		<b>Polymer Concrete Handhole Enclosure Covers <small>(33 05 63 00-0290)</small></b>		
	33 05 63 00-0292	EA 5" x 16", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	78.81	4.68
	33 05 63 00-0293	EA 10" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	79.90	4.68
	33 05 63 00-0294	EA 12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	73.70	4.68
	33 05 63 00-0295	EA 8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	80.11	4.68
	33 05 63 00-0296	EA 11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	80.94	4.68
	33 05 63 00-0297	EA 13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	93.56	4.68
	33 05 63 00-0298	EA 17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	109.18	4.68
	33 05 63 00-0299	EA 30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	735.39	14.74
	33 05 63 00-0300	EA 30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	642.26	14.74
	33 05 63 00-0301	EA 36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	966.63	14.74
	33 05 63 00-0302	EA 48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	977.69	14.74
	33 05 63 00-0303	EA 36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	1,108.94	14.74
	33 05 63 00-0304	EA 48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	1,209.19	14.74
	33 05 63 00-0305	EA 48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	1,949.36	14.74
	33 05 63 00-0306	EA 10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	66.82	4.68
	33 05 63 00-0307	EA 11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	97.81	4.68
	33 05 63 00-0308	EA 11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	99.25	4.68
	33 05 63 00-0309	EA 13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	126.11	4.68
	33 05 63 00-0310	EA 13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover .....	93.96	4.68
	33 05 63 00-0311	EA 17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	150.07	4.68
	33 05 63 00-0312	EA 17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover .....	116.79	4.68
	33 05 63 00-0313	EA 27" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	244.73	4.68
	33 05 63 00-0314	EA 24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	211.45	7.01
	33 05 63 00-0315	EA 24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	266.83	7.01
	33 05 63 00-0316	EA 39" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	344.78	8.18
	33 05 63 00-0317	EA 36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	486.47	11.47
	33 05 63 00-0318	EA 30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover .....	504.63	21.84
	33 05 63 00-0319	EA 11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	127.72	4.68
	33 05 63 00-0320	EA 13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover .....	184.15	4.68



**33 Utilities**  
**33 05 Common Work Results For Utilities**  
**33 05 63 Concrete Vaults and Chambers**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0321 EA 17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	210.20	4.68
33 05 63 00-0322 EA 27" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	352.71	4.68
33 05 63 00-0323 EA 24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	287.58	7.01
33 05 63 00-0324 EA 39" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	489.78	8.18
33 05 63 00-0325 EA 36" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	643.54	11.47
33 05 63 00-0326 EA 30" x 59", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	868.90	14.74
33 05 63 00-0327 EA 30" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	771.33	14.74
33 05 63 00-0328 EA 36" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,081.61	14.74
33 05 63 00-0329 EA 48" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,411.59	14.74
33 05 63 00-0330 EA 36" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,351.40	14.74
33 05 63 00-0331 EA 48" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	2,056.82	14.74
33 05 63 00-0332 EA 48" x 96", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	3,182.76	14.74
33 05 63 00-0333 EA 11" x 18", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	169.53	4.68
33 05 63 00-0334 EA 11" x 20", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	185.84	4.68
33 05 63 00-0335 EA 13" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	246.22	4.68
33 05 63 00-0336 EA 17" x 30", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	281.26	4.68
33 05 63 00-0337 EA 27" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	489.64	4.68
33 05 63 00-0338 EA 24" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	352.11	7.01
33 05 63 00-0339 EA 24" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	484.04	7.01
33 05 63 00-0340 EA 39" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	753.23	8.18
33 05 63 00-0341 EA 36" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	862.18	11.47
33 05 63 00-0342 EA 30" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	896.11	21.84
33 05 63 00-0343 EA 30" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,036.89	14.74
33 05 63 00-0344 EA 36" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,451.73	14.74
33 05 63 00-0345 EA 48" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	2,035.23	14.74
33 05 63 00-0346 EA 36" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,815.02	14.74
33 05 63 00-0347 EA 48" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	3,014.79	14.74
33 05 63 00-0348 EA 48" x 96", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	4,659.08	14.74

**33 05 63 00-0349 Polymer Concrete Handhole Enclosure Covers With Gaskets** (33 05 63 00-0290)

33 05 63 00-0350 EA 12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	91.23	4.68
33 05 63 00-0351 EA 8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	96.68	4.68
33 05 63 00-0352 EA 11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	98.47	4.68
33 05 63 00-0353 EA 13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	99.14	4.68
33 05 63 00-0354 EA 17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	115.14	4.68
33 05 63 00-0355 EA 10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	71.85	4.68
33 05 63 00-0356 EA 11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	102.97	4.68
33 05 63 00-0357 EA 11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	103.97	4.68
33 05 63 00-0358 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	131.43	4.68
33 05 63 00-0359 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket.....	99.75	4.68
33 05 63 00-0360 EA 17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket.....	122.91	4.68
33 05 63 00-0361 EA 17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	155.70	4.68
33 05 63 00-0362 EA 24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	215.23	7.01
33 05 63 00-0363 EA 24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	272.63	7.01
33 05 63 00-0364 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	510.59	21.84
33 05 63 00-0365 EA 6" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	59.05	4.68
33 05 63 00-0366 EA 8" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	94.97	4.68
33 05 63 00-0367 EA 8" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	106.18	4.68
33 05 63 00-0368 EA 12" x 12", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	101.20	4.68
33 05 63 00-0369 EA 10" x 15", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	82.55	4.68
33 05 63 00-0370 EA 11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	132.87	4.68
33 05 63 00-0371 EA 11" x 20", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	144.49	4.68
33 05 63 00-0372 EA 13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	189.63	4.68
33 05 63 00-0373 EA 17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	216.15	4.68
33 05 63 00-0374 EA 24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	292.90	7.01
33 05 63 00-0375 EA 24" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	367.47	7.01
33 05 63 00-0376 EA 30" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket.....	675.37	21.84

**33 05 63 00-0377 Polymer Concrete Handhole Enclosure Covers Without Bolts** (33 05 63 00-0290)

33 05 63 00-0378 EA 6" x 9", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	46.69	4.68
33 05 63 00-0379 EA 7" x 13", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	56.36	4.68
33 05 63 00-0380 EA 12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	69.37	4.68
33 05 63 00-0381 EA 8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	75.15	4.68
33 05 63 00-0382 EA 11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	75.00	4.68
33 05 63 00-0383 EA 13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	89.82	4.68
33 05 63 00-0384 EA 17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	104.38	4.68
33 05 63 00-0385 EA 24" x 36", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	257.34	7.01
33 05 63 00-0386 EA 30" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	482.94	21.84
33 05 63 00-0387 EA 30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	727.25	14.74
33 05 63 00-0388 EA 30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	633.07	14.74
33 05 63 00-0389 EA 48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	951.51	14.74
33 05 63 00-0390 EA 36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	917.84	14.74
33 05 63 00-0391 EA 36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	1,100.16	14.74
33 05 63 00-0392 EA 48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	1,176.76	14.74
33 05 63 00-0393 EA 48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	1,887.03	14.74
33 05 63 00-0394 EA 10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	64.07	4.68
33 05 63 00-0395 EA 10" x 16", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	62.45	4.68



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0396 EA 11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	94.33	4.68
33 05 63 00-0397 EA 11" x 21", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	104.09	4.68
33 05 63 00-0398 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	118.40	4.68
33 05 63 00-0399 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	88.98	4.68
33 05 63 00-0400 EA 18" x 19", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	99.75	4.68
33 05 63 00-0401 EA 17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	143.31	4.68
33 05 63 00-0402 EA 24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	207.08	7.01
33 05 63 00-0403 EA 20" x 42", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	260.35	7.01
33 05 63 00-0404 EA 24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	257.18	7.01
33 05 63 00-0405 EA 36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	466.69	11.47
33 05 63 00-0406 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts.....	482.94	13.11
<b>33 05 63 00-0407</b> <b>Overlapping, Polymer Concrete Handhole Enclosure Covers</b> <small>(33 05 63 00-0290)</small>		
33 05 63 00-0408 EA 30" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	757.59	14.74
33 05 63 00-0409 EA 36" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	1,101.28	14.74
33 05 63 00-0410 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	635.17	21.84
33 05 63 00-0411 EA 30" x 48", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	844.98	21.84
33 05 63 00-0412 EA 30" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	901.91	14.74
33 05 63 00-0413 EA 36" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	1,232.69	14.74
<b>33 05 63 00-0414</b> <b>Split, Polymer Concrete Handhole Enclosure Covers</b> <small>(33 05 63 00-0290)</small>		
33 05 63 00-0415 EA 24" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	292.99	7.01
33 05 63 00-0416 EA 36" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	548.37	11.47
33 05 63 00-0417 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	572.65	21.84
33 05 63 00-0418 EA 6" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	44.00	4.68
33 05 63 00-0419 EA 8" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	75.67	4.68
33 05 63 00-0420 EA 12" x 12", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	83.67	4.68
33 05 63 00-0421 EA 8" x 18", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	88.98	4.68
33 05 63 00-0422 EA 10" x 15", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	77.56	4.68
33 05 63 00-0423 EA 11" x 20", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	139.78	4.68
33 05 63 00-0424 EA 24" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	394.71	7.01
33 05 63 00-0425 EA 36" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	731.82	11.47
33 05 63 00-0426 EA 30" x 48", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	766.21	21.84
<b>33 05 63 00-0427</b> <b>Precast Concrete Handholes With Steel Cover</b> <small>(33 05 63 00-0068)</small>		
Note: 8000 To 12000 pound traffic rated top. Includes cover stamped with utility (Electrical, Sewer, Water, Etc.).		
33 05 63 00-0428 EA 12" x 12" x 12" Precast Concrete Handholes With Steel Cover.....	583.03	109.54
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 18.00		
33 05 63 00-0429 EA 12" x 24" x 21" Precast Concrete Handholes With Steel Cover.....	1,022.61	164.32
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 67.18		
33 05 63 00-0430 EA 18" x 30" x 18" Precast Concrete Handholes With Steel Cover.....	1,197.14	219.10
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 107.80		
33 05 63 00-0431 EA 24" x 24" x 24" Precast Concrete Handholes With Steel Cover.....	1,261.90	219.10
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 130.60		
33 05 63 00-0432 EA 24" x 24" x 30" Precast Concrete Handholes With Steel Cover.....	1,448.82	273.86
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 152.42		
33 05 63 00-0433 EA 30" x 36" x 30" Precast Concrete Handholes With Steel Cover.....	1,555.80	273.86
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 180.71		
33 05 63 00-0434 EA 36" x 36" x 48" Precast Concrete Handholes With Steel Cover.....	1,770.74	328.64
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 206.80		
33 05 63 00-0435 EA 48" x 48" x 48" Precast Concrete Handholes With Steel Cover.....	2,020.43	383.41
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 326.38		
33 05 63 00-0436 EA 48" x 72" x 36" Precast Concrete Handholes With Steel Cover.....	2,090.05	328.64
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 396.12		
33 05 63 00-0437 EA 54" x 38" x 24" Precast Concrete Handholes With Steel Cover.....	2,117.51	328.64
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 225.92		
33 05 63 00-0438 EA 6" Diameter Precast Concrete Handholes With Steel Cover.....	492.11	109.54
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 15.00		
33 05 63 00-0439 EA 9" Diameter Precast Concrete Handholes With Steel Cover.....	492.32	123.24
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 15.00		
33 05 63 00-0440 EA 12" Diameter Precast Concrete Handholes With Steel Cover.....	635.36	136.93
Note: 8000 To 12000 pound traffic rated top.		
For 15,000 to 22,500 Pound Traffic Rated Top, Add 15.00		

**33 05 84 Accessories for Utility Structures** (33 05)

**33 Utilities**  
**33 05 Common Work Results For Utilities**  
**33 05 84 Accessories for Utility Structures**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

See CSI section 22 13 19 26-0044 for oil interceptors, 22 13 23 00-0000 for sediment interceptors, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 05 84 00-0001	Manhole Accessories <small>(33 05 84)</small>		
33 05 84 00-0002	Precast Concrete Manhole Tops <small>(33 05 84 00-0001)</small>		
33 05 84 00-0003	Precast Concrete Manhole Slab Tops <small>(33 05 84 00-0002)</small>		
33 05 84 00-0004	EA 3' Diameter x 8" Thick Precast Manhole Top Slab.....	386.85	36.35
33 05 84 00-0005	EA 4' Diameter x 8" Thick Precast Manhole Top Slab.....	586.57	39.26
33 05 84 00-0006	EA 5' Diameter x 8" Thick Precast Manhole Top Slab.....	838.51	42.17
33 05 84 00-0007	EA 6' Diameter x 8" Thick Precast Manhole Top Slab.....	1,025.06	45.08
33 05 84 00-0008	EA 7' Diameter x 8" Thick Precast Manhole Top Slab.....	1,640.50	48.47
33 05 84 00-0009	EA 8' Diameter x 10" Thick Precast Manhole Top Slab.....	2,245.12	53.32
33 05 84 00-0010	Precast Concrete Manhole Cone Tops <small>(33 05 84 00-0002)</small>		
33 05 84 00-0011	EA 3' Diameter x 8" Thick Precast Manhole Top Cone.....	664.64	45.44
33 05 84 00-0012	EA 3'-6" Diameter x 8" Thick Precast Manhole Top Cone.....	752.37	47.26
33 05 84 00-0013	EA 4' Diameter x 8" Thick Precast Manhole Top Cone.....	840.15	49.08
33 05 84 00-0014	EA 5' Diameter x 8" Thick Precast Manhole Top Cone.....	1,013.20	52.11
33 05 84 00-0015	EA 6' Diameter x 8" Thick Precast Manhole Top Cone.....	1,188.71	55.74
33 05 84 00-0016	EA 7' Diameter x 8" Thick Precast Manhole Top Cone.....	1,998.78	59.38
33 05 84 00-0017	EA 8' Diameter x 10" Thick Precast Manhole Top Cone.....	2,546.62	65.43
33 05 84 00-0018	Pipe To Manhole Connector <small>(33 05 84 00-0001)</small>		
33 05 84 00-0019	Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connectors <small>(33 05 84 00-0018)</small>		
33 05 84 00-0020	EA 4" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	60.86	
33 05 84 00-0021	EA 6" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	92.95	
33 05 84 00-0022	EA 8" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	104.62	
33 05 84 00-0023	EA 10" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	163.46	
33 05 84 00-0024	EA 12" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	230.57	
33 05 84 00-0025	EA 15" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	303.19	
33 05 84 00-0026	EA 18" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	558.31	
33 05 84 00-0027	EA 21" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	778.30	
33 05 84 00-0028	EA 24" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	1,242.16	
33 05 84 00-0029	EA 27" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	1,458.18	
33 05 84 00-0030	Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout <small>(33 05 84 00-0018)</small>		
	Note: Fernco CMA.		
33 05 84 00-0031	EA 4" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	55.89	
33 05 84 00-0032	EA 6" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	78.17	
33 05 84 00-0033	EA 8" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	98.95	
33 05 84 00-0034	EA 10" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	119.60	
33 05 84 00-0035	EA 12" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	138.63	
33 05 84 00-0036	Brick And Grout Pipe To Manhole Connector <small>(33 05 84 00-0018)</small>		
33 05 84 00-0037	EA Seal Gap Between Pipe And Structure With Brick And Grout.....	139.33	
33 05 84 00-0038	Inverts For Manholes <small>(33 05 84 00-0001)</small>		
33 05 84 00-0039	EA Single Channel Concrete Invert For Manholes.....	263.69	
33 05 84 00-0040	EA Double Channel Concrete Invert For Manholes.....	368.61	
33 05 84 00-0041	EA Triple Channel Concrete Invert For Manholes.....	500.54	
33 05 84 00-0042	EA Quad Channel Concrete Invert For Manholes.....	632.41	
33 05 84 00-0043	EA Single Channel Brick Invert For Manholes.....	342.74	
33 05 84 00-0044	EA Double Channel Brick Invert For Manholes.....	512.69	
33 05 84 00-0045	EA Triple Channel Brick Invert For Manholes.....	685.44	
33 05 84 00-0046	EA Quad Channel Brick Invert For Manholes.....	856.75	
33 05 84 00-0047	Steps For Cast-In-Place Manholes <small>(33 05 84 00-0001)</small>		
	See CSI section 33 01 30 81-0038 for installation of steps in existing manholes.		
33 05 84 00-0048	EA Cast Iron Manhole Step For New Manholes.....	57.07	
33 05 84 00-0049	EA Galvanized Steel Manhole Step For New Manholes.....	32.91	
33 05 84 00-0050	EA Aluminum Manhole Step For New Manholes.....	44.89	
33 05 84 00-0051	EA Polypropylene Manhole Step For New Manholes.....	23.87	
33 05 84 00-0052	Inlet shields <small>(33 05 84 00-0001)</small>		
33 05 84 00-0053	EA Stainless Steel Inlet Shield (BMP) With 2-1/8" Diameter Holes.....	307.75	
	Note: Includes installing hook in concrete.		
33 05 84 00-0054	EA Stainless Steel Inlet Shield (BMP) With 2-1/8" Diameter Holes, Flush Mount With Plate And Hook.....	387.52	
	Note: Includes bolting plate to concrete.		
33 05 84 00-0055	EA Stainless Steel Inlet Shield (BMP) With 2-1/8" Diameter Holes, Riser Mount With Plate And Hook.....	411.39	
	Note: Includes bolting plate to concrete.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0056 EA Fixed Stainless Steel Inlet Shield (BMP) With 1" Diameter Holes, Flush Mount.....	419.35	
Note: Includes bolting plate to concrete.		
33 05 84 00-0057 EA Fixed Stainless Steel Inlet Shield (BMP) With 1" Diameter Holes, Riser Mount.....	435.27	
Note: Includes bolting plate to concrete.		
<b>33 05 84 00-0058 Protective Coating For New Manholes</b> (33 05 84 00-0001)		
<b>33 05 84 00-0059 Polyurethane Protective Coating For New Manholes</b> (33 05 84 00-0058)		
33 05 84 00-0060 VLF 60 Mil Polyurethane Coating Of 3' Diameter Manhole Interior.....	106.70	
For 80 Mil Material, Add	16.88	
For 100 Mil Material, Add	33.76	
For 125 Mil Material, Add	53.51	
For 150 Mil Material, Add	73.25	
For 200 Mil Material, Add	109.13	
For 2 To 5 Manholes, Deduct	-7.14	
For 6 To 10 Manholes, Deduct	-11.62	
For >10 Manholes, Deduct	-23.24	
33 05 84 00-0061 VLF 60 Mil Polyurethane Coating Of 3-1/2' Diameter Manhole Interior.....	128.54	
For 80 Mil Material, Add	20.01	
For 100 Mil Material, Add	40.02	
For 125 Mil Material, Add	63.37	
For 150 Mil Material, Add	86.73	
For 200 Mil Material, Add	129.02	
For 2 To 5 Manholes, Deduct	-8.64	
For 6 To 10 Manholes, Deduct	-14.06	
For >10 Manholes, Deduct	-28.12	
33 05 84 00-0062 VLF 60 Mil Polyurethane Coating Of 4' Diameter Manhole Interior.....	142.27	
For 80 Mil Material, Add	22.51	
For 100 Mil Material, Add	45.02	
For 125 Mil Material, Add	71.35	
For 150 Mil Material, Add	97.68	
For 200 Mil Material, Add	145.51	
For 2 To 5 Manholes, Deduct	-9.52	
For 6 To 10 Manholes, Deduct	-15.49	
For >10 Manholes, Deduct	-30.98	
33 05 84 00-0063 VLF 60 Mil Polyurethane Coating Of 5' Diameter Manhole Interior.....	177.88	
For 80 Mil Material, Add	28.15	
For 100 Mil Material, Add	56.30	
For 125 Mil Material, Add	89.23	
For 150 Mil Material, Add	122.16	
For 200 Mil Material, Add	181.99	
For 2 To 5 Manholes, Deduct	-11.91	
For 6 To 10 Manholes, Deduct	-19.37	
For >10 Manholes, Deduct	-38.74	
33 05 84 00-0064 VLF 60 Mil Polyurethane Coating Of 6' Diameter Manhole Interior.....	207.02	
For 80 Mil Material, Add	33.30	
For 100 Mil Material, Add	66.59	
For 125 Mil Material, Add	105.62	
For 150 Mil Material, Add	144.65	
For 200 Mil Material, Add	215.80	
For 2 To 5 Manholes, Deduct	-13.81	
For 6 To 10 Manholes, Deduct	-22.44	
For >10 Manholes, Deduct	-44.88	
33 05 84 00-0065 VLF 60 Mil Polyurethane Coating Of 7' Diameter Manhole Interior.....	241.01	
For 80 Mil Material, Add	38.81	
For 100 Mil Material, Add	77.63	
For 125 Mil Material, Add	123.13	
For 150 Mil Material, Add	168.64	
For 200 Mil Material, Add	251.61	
For 2 To 5 Manholes, Deduct	-16.07	
For 6 To 10 Manholes, Deduct	-26.11	
For >10 Manholes, Deduct	-52.22	
33 05 84 00-0066 VLF 60 Mil Polyurethane Coating Of 8' Diameter Manhole Interior.....	274.94	
For 80 Mil Material, Add	44.31	
For 100 Mil Material, Add	88.62	
For 125 Mil Material, Add	140.57	
For 150 Mil Material, Add	192.52	
For 200 Mil Material, Add	287.26	
For 2 To 5 Manholes, Deduct	-18.33	
For 6 To 10 Manholes, Deduct	-29.78	
For >10 Manholes, Deduct	-59.57	
<b>33 05 84 00-0067 Polyvinyl Chloride (PVC) Liner</b> (33 05 84 00-0058)		
Note: For new manholes and shop applied.		
33 05 84 00-0068 VLF 3' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole.....	161.62	
33 05 84 00-0069 VLF 3-1/2' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole.....	198.12	
33 05 84 00-0070 VLF 4' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole.....	241.78	
33 05 84 00-0071 VLF 5' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole.....	303.63	
33 05 84 00-0072 VLF 6' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole.....	365.48	
33 05 84 00-0073 SF Polyvinyl Chloride (PVC) Liner At Structures.....	34.35	
<b>33 05 84 00-0074 Concrete Grade Extensions/Grade Rings</b> (33 05 84 00-0001)		

**33 Utilities****33 05 Common Work Results For Utilities****33 05 84 Accessories for Utility Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0075			<b>18" Diameter, Concrete Grade Extensions/Grade Rings</b> (33 05 84 00-0074)		
33 05 84 00-0076	EA		4" Rise, 18" Diameter, Concrete Grade Extensions/Grade Rings.....	62.14	
33 05 84 00-0077	EA		6" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring.....	70.21	
33 05 84 00-0078	EA		8" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring.....	78.27	
33 05 84 00-0079	EA		10" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring.....	86.34	
33 05 84 00-0080			<b>24" Diameter, Concrete Grade Extensions/Grade Rings</b> (33 05 84 00-0074)		
33 05 84 00-0081	EA		4" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring.....	70.07	
33 05 84 00-0082	EA		6" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring.....	79.24	
33 05 84 00-0083	EA		8" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring.....	88.41	
33 05 84 00-0084	EA		10" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring.....	97.57	
33 05 84 00-0085			<b>30" Diameter, Concrete Grade Extensions/Grade Rings</b> (33 05 84 00-0074)		
33 05 84 00-0086	EA		4" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring.....	77.76	
33 05 84 00-0087	EA		6" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring.....	87.98	
33 05 84 00-0088	EA		8" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring.....	98.20	
33 05 84 00-0089	EA		10" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring.....	108.43	
33 05 84 00-0090			<b>Bentonite Collar</b> (33 05 84 00-0001)		
33 05 84 00-0091			<b>Bentonite Collar At Manhole Connections</b> (33 05 84 00-0090)		
33 05 84 00-0092	EA		Up To 12" Pipe, Bentonite Collar At Manhole Connection.....	88.87	
33 05 84 00-0093	EA		>12" To 21", Bentonite Collar At Manhole Connection.....	140.80	
33 05 84 00-0094	EA		>21" To 30" Pipe, Bentonite Collar At Manhole Connection.....	223.18	
33 05 84 00-0095	EA		>30" To 36" Pipe, Bentonite Collar At Manhole Connection.....	521.75	
33 05 84 00-0096	EA		>36" To 48" Pipe, Bentonite Collar At Manhole Connection.....	813.81	
33 05 84 00-0097	EA		>48" To 60" Pipe, Bentonite Collar At Manhole Connection.....	1,477.82	
33 05 84 00-0098			<b>Manhole Covers And Frames</b> (33 05 84)		
			Note: Includes moisture-tight masonry joints and waterproof grouting.		
33 05 84 00-0099			<b>Rainguard Inflow Protectors</b> (33 05 84 00-0098)		
33 05 84 00-0100	EA		18" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	67.07	10.06
33 05 84 00-0101	EA		22" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	80.22	10.06
33 05 84 00-0102	EA		24" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	95.84	12.06
33 05 84 00-0103	EA		26" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	104.16	12.06
33 05 84 00-0104	EA		30" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	130.73	14.08
33 05 84 00-0105	EA		32" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	140.94	14.08
33 05 84 00-0106			<b>Regular Manhole Covers And Frames, City Type</b> (33 05 84 00-0098)		
33 05 84 00-0107	EA		18" Square, Gray Iron, Manhole Cover With Frame.....	895.77	41.68
			<i>For Ductile Iron Castings, Add</i>	538.82	
33 05 84 00-0108	EA		18" Diameter, Gray Iron, Manhole Cover With Frame.....	499.66	41.68
			<i>For Ductile Iron Castings, Add</i>	261.54	
33 05 84 00-0109	EA		22" Square x 75 LB Regular Cast Iron Manhole Cover With Frame, City Type.....	424.50	43.63
			<i>For Ductile Iron Castings, Add</i>	205.53	
			<i>For Heavy Duty, Add</i>	155.12	
33 05 84 00-0110	EA		24" Diameter, Gray Iron, Manhole Cover With Frame.....	577.41	48.47
			<i>For Ductile Iron Castings, Add</i>	302.39	
33 05 84 00-0111	EA		24" Square, Gray Iron, Manhole Cover With Frame.....	912.16	53.80
			<i>For Ductile Iron Castings, Add</i>	525.41	
33 05 84 00-0112	EA		26" Diameter, Gray Iron, Manhole Cover With Frame.....	770.65	58.17
			<i>For Ductile Iron Castings, Add</i>	416.82	
33 05 84 00-0113	EA		30" Diameter, Gray Iron, Manhole Cover With Frame.....	804.06	60.59
			<i>For Ductile Iron Castings, Add</i>	435.61	
33 05 84 00-0114	EA		36" Diameter Regular Cast Iron Manhole Cover With Frame, City Type.....	1,367.83	62.05
			<i>For Ductile Iron Castings, Add</i>	826.85	
33 05 84 00-0115			<b>Watertight Type Manhole Covers And Frames</b> (33 05 84 00-0098)		
33 05 84 00-0116	EA		20" Diameter, Gray Iron, Watertight Manhole Cover With Frame.....	986.97	34.41
			<i>For Ductile Iron Castings, Add</i>	594.99	
33 05 84 00-0117	EA		22" Diameter, Gray Iron, Watertight Manhole Cover With Frame.....	1,001.03	34.41
			<i>For Ductile Iron Castings, Add</i>	596.94	
33 05 84 00-0118	EA		24" Diameter, Gray Iron, Watertight Manhole Cover With Frame.....	1,019.96	40.23
			<i>For Ductile Iron Castings, Add</i>	600.87	
33 05 84 00-0119	EA		26" Diameter, Gray Iron, Watertight Manhole Cover With Frame.....	1,216.13	45.08
			<i>For Ductile Iron Castings, Add</i>	728.66	
33 05 84 00-0120	EA		30" Diameter, Gray Iron, Watertight Manhole Cover With Frame.....	1,410.61	46.04
			<i>For Ductile Iron Castings, Add</i>	860.20	
33 05 84 00-0121	EA		32" Diameter, Gray Iron, Watertight Manhole Cover With Frame.....	1,485.31	47.02
			<i>For Ductile Iron Castings, Add</i>	910.82	
33 05 84 00-0122	EA		36" Diameter, Gray Iron, Watertight Manhole Cover With Frame.....	1,552.23	48.47
			<i>For Ductile Iron Castings, Add</i>	955.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 05 84 00-0123 Aluminum Manhole Covers And Frames</b> <small>(33 05 84 00-0098)</small>		
33 05 84 00-0124 EA 12" Square Aluminum Manhole Cover With Frame .....	613.41	18.14
33 05 84 00-0125 EA 18" Square Aluminum Manhole Cover With Frame .....	1,121.10	20.08
33 05 84 00-0126 EA 24" Square Aluminum Manhole Cover With Frame .....	1,607.60	23.31
<b>33 05 84 00-0127 Remove And Reinstall Manhole Cover And Frame</b> <small>(33 05 84 00-0098)</small>		
Note: Includes surrounding asphalt removal and repair. Excludes saw cutting.		
33 05 84 00-0128 EA Remove And Reinstall Manhole Cover And Frame, Non-Paved.....	781.84	
33 05 84 00-0129 EA Remove And Reinstall Manhole Cover And Frame, Non-State Road.....	994.55	
33 05 84 00-0130 EA Remove And Reinstall Manhole Cover And Frame, State Road.....	1,236.90	
<b>33 05 84 00-0131 Waste Water Collection System Taps</b> <small>(33 05 84)</small>		
Note: For tapping existing structures only. Includes grout.		
<b>33 05 84 00-0132 Brick Manhole Taps</b> <small>(33 05 84 00-0131)</small>		
33 05 84 00-0133 EA 4" Tap In 6" Brick Manhole .....	251.92	
33 05 84 00-0134 EA 6" Tap In 6" Brick Manhole .....	280.11	
33 05 84 00-0135 EA 8" Tap In 6" Brick Manhole .....	307.78	
33 05 84 00-0136 EA 10" Tap In 6" Brick Manhole .....	335.41	
33 05 84 00-0137 EA 12" Tap In 6" Brick Manhole .....	372.41	
33 05 84 00-0138 EA 15" Tap In 6" Brick Manhole .....	399.97	
<b>33 05 84 00-0139 Precast Concrete Manhole Tap</b> <small>(33 05 84 00-0131)</small>		
33 05 84 00-0140 EA 4" Tap In Existing Precast Concrete Manhole .....	357.94	
33 05 84 00-0141 EA 6" Tap In Existing Precast Concrete Manhole .....	400.21	
33 05 84 00-0142 EA 8" Tap In Existing Precast Concrete Manhole .....	448.73	
33 05 84 00-0143 EA 10" Tap In Existing Precast Concrete Manhole .....	490.17	
33 05 84 00-0144 EA 12" Tap In Existing Precast Concrete Manhole .....	531.52	
33 05 84 00-0145 EA 15" Tap In Existing Precast Concrete Manhole .....	573.88	
33 05 84 00-0146 EA 18" Tap In Existing Precast Concrete Manhole .....	665.07	
33 05 84 00-0147 EA 24" Tap In Existing Precast Concrete Manhole .....	857.95	
<b>33 05 97 Identification and Signage for Utilities</b> <small>(33 05)</small>		
<b>33 05 97 16 Markers for Utility Identification</b> <small>(33 05 97)</small>		
<b>33 05 97 16-0001 Reflective Sheeting Delineators</b> <small>(33 05 97 16)</small>		
33 05 97 16-0002 EA Delineator, Single Unit One Way On Post, 3" Diameter or 3" x 3" Square.....	21.79	
33 05 97 16-0003 EA Delineator, Single Unit Back To Back On Post, 3" Diameter or 3" x 3" Square.....	23.49	
33 05 97 16-0004 EA Delineator, Single Unit Two Way On Post, 3" Diameter or 3" x 3" Square.....	26.88	
33 05 97 16-0005 EA Delineator, Single Unit Three Way On Post, 3" Diameter or 3" x 3" Square.....	28.58	
33 05 97 16-0006 EA Delineator, Single Unit Four Way On Post, 3" Diameter or 3" x 3" Square.....	30.28	
33 05 97 16-0007 EA Delineator, Double Unit On Post, 3" Diameter or 3" x 3" Square .....	25.61	
33 05 97 16-0008 EA Delineator, Single Unit Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square .....	22.22	
33 05 97 16-0009 EA Delineator, Double Unit Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square.....	23.91	
33 05 97 16-0010 EA Delineator, Single Unit, Back To Back, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square .....	23.91	
33 05 97 16-0011 EA Delineator, Single Unit, Two Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square .....	25.61	
33 05 97 16-0012 EA Delineator, Single Unit, Three Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square.....	27.31	
33 05 97 16-0013 EA Delineator, Single Unit, Four Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square.....	29.00	
33 05 97 16-0014 EA Delineator, White, Single Unit, One Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square.....	44.28	
33 05 97 16-0015 EA Delineator, Single Unit Three Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square .....	28.58	
33 05 97 16-0016 EA Delineator, White, Double Unit On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square.....	46.40	
33 05 97 16-0017 EA Delineator, Yellow, Single Unit, One Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square.....	44.28	
33 05 97 16-0018 EA Delineator, Yellow, Single Unit, Back To Back On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square.....	45.97	
33 05 97 16-0019 EA Delineator, Yellow, Double Unit, On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square.....	46.40	
33 05 97 16-0020 EA Relocate Delineator .....	26.89	
<b>33 05 97 16-0021 Reference Markers</b> <small>(33 05 97 16)</small>		
33 05 97 16-0022 EA Reference Marker, 4' Mounting Height .....	41.44	
33 05 97 16-0023 EA Reference Marker, 7' Mounting Height .....	51.54	
33 05 97 16-0024 EA Reference Marker, Band Or Bracket Mounted.....	48.60	
33 05 97 16-0025 EA Reference Marker, Furnish Panel Only.....	43.37	
33 05 97 16-0026 EA Relocate Reference Marker .....	26.89	
<b>33 05 97 16-0027 Object Markers</b> <small>(33 05 97 16)</small>		
33 05 97 16-0028 EA Object Marker, Type L-1 .....	48.13	
33 05 97 16-0029 EA Object Marker, Type L-2 .....	43.92	
33 05 97 16-0030 EA Object Marker, Type K-1.....	51.50	
33 05 97 16-0031 EA Object Marker, Type K-2.....	47.29	

**33 Utilities****33 05 Common Work Results For Utilities****33 05 97 Identification and Signage for Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 97 16-0032 EA Object Marker, Type Q.....	30.44	
<b>33 05 97 16-0033 Snowplowing Marker</b> <small>(33 05 97 16)</small>		
33 05 97 16-0034 EA Snowplowing Marker, Single Unit .....	40.73	
33 05 97 16-0035 EA Snowplowing Marker, Double Unit.....	42.42	
33 05 97 16-0036 EA Supplementary Snowplowing Marker.....	42.42	
33 05 97 16-0037 EA Relocate Snowplowing Marker.....	27.15	
<b>33 05 97 23 Utility Identification Warning Tape</b> <small>(33 05 97)</small>		
<b>33 05 97 23-0001 Non-Detectable Utility Warning Tape</b> <small>(33 05 97 23)</small>		
Note: Labor installation is included with pipe and excavation..		
33 05 97 23-0002 CLF 3" Non-Detectable Utility Warning Tape.....	3.93	
33 05 97 23-0003 CLF 6" Non-Detectable Utility Warning Tape.....	5.76	
<b>33 05 97 23-0004 Detectable Utility Warning Tape</b> <small>(33 05 97 23)</small>		
Note: Labor installation is included with pipe and excavation..		
33 05 97 23-0005 CLF 2" Detectable Utility Warning Tape .....	4.07	
33 05 97 23-0006 CLF 3" Detectable Utility Warning Tape .....	5.70	
33 05 97 23-0007 CLF 6" Detectable Utility Warning Tape .....	9.49	
<b>33 10 Water Utilities</b> <small>(33)</small>		
<b>33 11 Groundwater Sources</b> <small>(33 10)</small>		
<b>33 11 13 Potable Water Supply Wells</b> <small>(33 11)</small>		
33 11 13 00-0001 Drill And Test Water Well <small>(33 11 13)</small>		
33 11 13 00-0002 Drill Hole <small>(33 11 13 00-0001)</small>		
Note: Excludes loading and hauling of spoils.		
33 11 13 00-0003 Mobilization And Demobilization <small>(33 11 13 00-0002)</small>		
33 11 13 00-0004 EA Up To 12" Diameter, Well Drilling Mobilization And Demobilization.....	525.71	
33 11 13 00-0005 EA >12" To 24" Diameter, Well Drilling Mobilization And Demobilization.....	636.32	
33 11 13 00-0006 EA >24" To 36" Diameter, Well Drilling Mobilization And Demobilization.....	954.48	
33 11 13 00-0007 Drill Hole In Normal Soil, Sand, Gravel, O.B. <small>(33 11 13 00-0002)</small>		
Note: Excludes well casing, gravel or materials.		
33 11 13 00-0008 LF Up To 6" Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	12.33	
For >100 To 250, Add	0.31	
For >250 To 400, Add	0.62	
For >400 To 600, Add	0.92	
For >600 To 750, Add	1.23	
For >750, Add	1.54	
33 11 13 00-0009 LF 8" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	14.64	
For >100 To 250, Add	0.37	
For >250 To 400, Add	0.73	
For >400 To 600, Add	1.10	
For >600 To 750, Add	1.46	
For >750, Add	1.83	
33 11 13 00-0010 LF 10" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	19.56	
For >100 To 250, Add	0.49	
For >250 To 400, Add	0.98	
For >400 To 600, Add	1.47	
For >600 To 750, Add	1.96	
For >750, Add	2.45	
33 11 13 00-0011 LF 12" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	30.62	
For >100 To 250, Add	0.77	
For >250 To 400, Add	1.53	
For >400 To 600, Add	2.30	
For >600 To 750, Add	3.06	
For >750, Add	3.83	
33 11 13 00-0012 LF 14" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	44.07	
For >100 To 250, Add	1.10	
For >250 To 400, Add	2.20	
For >400 To 600, Add	3.31	
For >600 To 750, Add	4.41	
For >750, Add	5.51	
33 11 13 00-0013 LF 16" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	57.59	
For >100 To 250, Add	1.44	
For >250 To 400, Add	2.88	
For >400 To 600, Add	4.32	
For >600 To 750, Add	5.76	
For >750, Add	7.20	



<b>Utilities</b>	<b>33</b>	<b>33</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Groundwater Sources</b>	<b>33 11</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0014 LF 18" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	68.40	
For >100 To 250, Add	1.71	
For >250 To 400, Add	3.42	
For >400 To 600, Add	5.13	
For >600 To 750, Add	6.84	
For >750, Add	8.55	
33 11 13 00-0015 LF 20" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	79.53	
For >100 To 250, Add	1.99	
For >250 To 400, Add	3.98	
For >400 To 600, Add	5.96	
For >600 To 750, Add	7.95	
For >750, Add	9.94	
33 11 13 00-0016 LF 22" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	93.46	
For >100 To 250, Add	2.34	
For >250 To 400, Add	4.67	
For >400 To 600, Add	7.01	
For >600 To 750, Add	9.35	
For >750, Add	11.68	
33 11 13 00-0017 LF 24" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	110.16	
For >100 To 250, Add	2.75	
For >250 To 400, Add	5.51	
For >400 To 600, Add	8.26	
For >600 To 750, Add	11.02	
For >750, Add	13.77	
33 11 13 00-0018 LF 26" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	119.07	
For >100 To 250, Add	2.98	
For >250 To 400, Add	5.95	
For >400 To 600, Add	8.93	
For >600 To 750, Add	11.91	
For >750, Add	14.88	
33 11 13 00-0019 LF 28" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	131.00	
For >100 To 250, Add	3.28	
For >250 To 400, Add	6.55	
For >400 To 600, Add	9.83	
For >600 To 750, Add	13.10	
For >750, Add	16.38	
33 11 13 00-0020 LF 30" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	143.49	
For >100 To 250, Add	3.59	
For >250 To 400, Add	7.17	
For >400 To 600, Add	10.76	
For >600 To 750, Add	14.35	
For >750, Add	17.94	
33 11 13 00-0021 LF 36" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	178.49	
For >100 To 250, Add	4.46	
For >250 To 400, Add	8.92	
For >400 To 600, Add	13.39	
For >600 To 750, Add	17.85	
For >750, Add	22.31	
<b>33 11 13 00-0022 Drill Hole In Sedimentary Rock (33 11 13 00-0002)</b>		
33 11 13 00-0023 LF 6" Water Well Hole Drilled In Sedimentary Rock .....	25.14	
For >100 To 250, Add	0.63	
For >250 To 400, Add	1.26	
For >400 To 600, Add	1.89	
For >600 To 750, Add	2.51	
For >750, Add	3.14	
33 11 13 00-0024 LF 8" Water Well Hole Drilled In Sedimentary Rock .....	29.27	
For >100 To 250, Add	0.73	
For >250 To 400, Add	1.46	
For >400 To 600, Add	2.20	
For >600 To 750, Add	2.93	
For >750, Add	3.66	
33 11 13 00-0025 LF 10" Water Well Hole Drilled In Sedimentary Rock .....	46.86	
For >100 To 250, Add	1.17	
For >250 To 400, Add	2.34	
For >400 To 600, Add	3.51	
For >600 To 750, Add	4.69	
For >750, Add	5.86	
33 11 13 00-0026 LF 12" Water Well Hole Drilled In Sedimentary Rock .....	61.27	
For >100 To 250, Add	1.53	
For >250 To 400, Add	3.06	
For >400 To 600, Add	4.60	
For >600 To 750, Add	6.13	
For >750, Add	7.66	
33 11 13 00-0027 LF 14" Water Well Hole Drilled In Sedimentary Rock .....	88.19	
For >100 To 250, Add	2.20	
For >250 To 400, Add	4.41	
For >400 To 600, Add	6.61	
For >600 To 750, Add	8.82	
For >750, Add	11.02	



<b>33</b>	<b>Utilities</b>
<b>33 10</b>	<b>Water Utilities</b>
<b>33 11</b>	<b>Groundwater Sources</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0028	LF		16" Water Well Hole Drilled In Sedimentary Rock .....	115.11	
			For >100 To 250, Add	2.88	
			For >250 To 400, Add	5.76	
			For >400 To 600, Add	8.63	
			For >600 To 750, Add	11.51	
			For >750, Add	14.39	
33 11 13 00-0029	LF		18" Water Well Hole Drilled In Sedimentary Rock .....	136.87	
			For >100 To 250, Add	3.42	
			For >250 To 400, Add	6.84	
			For >400 To 600, Add	10.27	
			For >600 To 750, Add	13.69	
			For >750, Add	17.11	
33 11 13 00-0030	LF		20" Water Well Hole Drilled In Sedimentary Rock .....	158.83	
			For >100 To 250, Add	3.97	
			For >250 To 400, Add	7.94	
			For >400 To 600, Add	11.91	
			For >600 To 750, Add	15.88	
			For >750, Add	19.85	
33 11 13 00-0031	LF		22" Water Well Hole Drilled In Sedimentary Rock .....	187.08	
			For >100 To 250, Add	4.68	
			For >250 To 400, Add	9.35	
			For >400 To 600, Add	14.03	
			For >600 To 750, Add	18.71	
			For >750, Add	23.39	
33 11 13 00-0032	LF		24" Water Well Hole Drilled In Sedimentary Rock .....	216.10	
			For >100 To 250, Add	5.40	
			For >250 To 400, Add	10.81	
			For >400 To 600, Add	16.21	
			For >600 To 750, Add	21.61	
			For >750, Add	27.01	
33 11 13 00-0033	LF		26" Water Well Hole Drilled In Sedimentary Rock .....	238.14	
			For >100 To 250, Add	5.95	
			For >250 To 400, Add	11.91	
			For >400 To 600, Add	17.86	
			For >600 To 750, Add	23.81	
			For >750, Add	29.77	
33 11 13 00-0034	LF		28" Water Well Hole Drilled In Sedimentary Rock .....	262.00	
			For >100 To 250, Add	6.55	
			For >250 To 400, Add	13.10	
			For >400 To 600, Add	19.65	
			For >600 To 750, Add	26.20	
			For >750, Add	32.75	
33 11 13 00-0035	LF		30" Water Well Hole Drilled In Sedimentary Rock .....	286.98	
			For >100 To 250, Add	7.17	
			For >250 To 400, Add	14.35	
			For >400 To 600, Add	21.52	
			For >600 To 750, Add	28.70	
			For >750, Add	35.87	
33 11 13 00-0036	LF		36" Water Well Hole Drilled In Sedimentary Rock .....	356.97	
			For >100 To 250, Add	8.92	
			For >250 To 400, Add	17.85	
			For >400 To 600, Add	26.77	
			For >600 To 750, Add	35.70	
			For >750, Add	44.62	
33 11 13 00-0037			<b>Drill Hole In Crystalline Rock</b> <small>(33 11 13 00-0002)</small> .....	51.70	
33 11 13 00-0038	LF		6" Water Well Hole Drilled In Crystalline Rock .....	51.70	
			For >100 To 250, Add	1.29	
			For >250 To 400, Add	2.59	
			For >400 To 600, Add	3.88	
			For >600 To 750, Add	5.17	
			For >750, Add	6.46	
33 11 13 00-0039	LF		8" Water Well Hole Drilled In Crystalline Rock .....	59.65	
			For >100 To 250, Add	1.49	
			For >250 To 400, Add	2.98	
			For >400 To 600, Add	4.47	
			For >600 To 750, Add	5.97	
			For >750, Add	7.46	
33 11 13 00-0040	LF		10" Water Well Hole Drilled In Crystalline Rock .....	68.40	
			For >100 To 250, Add	1.71	
			For >250 To 400, Add	3.42	
			For >400 To 600, Add	5.13	
			For >600 To 750, Add	6.84	
			For >750, Add	8.55	
33 11 13 00-0041	LF		12" Water Well Hole Drilled In Crystalline Rock .....	86.70	
			For >100 To 250, Add	2.17	
			For >250 To 400, Add	4.34	
			For >400 To 600, Add	6.50	
			For >600 To 750, Add	8.67	
			For >750, Add	10.84	



<b>Utilities</b>	<b>33</b>	<b>33</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Groundwater Sources</b>	<b>33 11</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0042 LF 14" Water Well Hole Drilled In Crystalline Rock.....	112.15	
For >100 To 250, Add	2.80	
For >250 To 400, Add	5.61	
For >400 To 600, Add	8.41	
For >600 To 750, Add	11.22	
For >750, Add	14.02	
33 11 13 00-0043 LF 16" Water Well Hole Drilled In Crystalline Rock.....	163.06	
For >100 To 250, Add	4.08	
For >250 To 400, Add	8.15	
For >400 To 600, Add	12.23	
For >600 To 750, Add	16.31	
For >750, Add	20.38	
33 11 13 00-0044 LF 18" Water Well Hole Drilled In Crystalline Rock.....	194.08	
For >100 To 250, Add	4.85	
For >250 To 400, Add	9.70	
For >400 To 600, Add	14.56	
For >600 To 750, Add	19.41	
For >750, Add	24.26	
33 11 13 00-0045 LF 20" Water Well Hole Drilled In Crystalline Rock.....	225.10	
For >100 To 250, Add	5.63	
For >250 To 400, Add	11.26	
For >400 To 600, Add	16.88	
For >600 To 750, Add	22.51	
For >750, Add	28.14	
33 11 13 00-0046 LF 22" Water Well Hole Drilled In Crystalline Rock.....	264.86	
For >100 To 250, Add	6.62	
For >250 To 400, Add	13.24	
For >400 To 600, Add	19.86	
For >600 To 750, Add	26.49	
For >750, Add	33.11	
33 11 13 00-0047 LF 24" Water Well Hole Drilled In Crystalline Rock.....	306.23	
For >100 To 250, Add	7.66	
For >250 To 400, Add	15.31	
For >400 To 600, Add	22.97	
For >600 To 750, Add	30.62	
For >750, Add	38.28	
<b>33 11 13 00-0048 Furnish And Install Casing</b> <small>(33 11 13 00-0001)</small>		
Note: Excludes drilling of hole.		
<b>33 11 13 00-0049 Steel Well Casing</b> <small>(33 11 13 00-0048)</small>		
33 11 13 00-0050 LF 6" Diameter, Steel Well Casing, Flush.....	24.80	
For >100 To 250, Deduct	-0.72	
For >250 To 400, Deduct	-1.34	
For >400 To 600, Deduct	-2.01	
For >600 To 750, Deduct	-2.67	
For >750, Deduct	-3.47	
33 11 13 00-0051 LF 8" Diameter, Steel Well Casing, Flush.....	30.83	
For >100 To 250, Deduct	-0.89	
For >250 To 400, Deduct	-1.66	
For >400 To 600, Deduct	-2.49	
For >600 To 750, Deduct	-3.33	
For >750, Deduct	-4.32	
33 11 13 00-0052 LF 10" Diameter, Steel Well Casing, Flush.....	46.14	
For >100 To 250, Deduct	-1.30	
For >250 To 400, Deduct	-2.45	
For >400 To 600, Deduct	-3.68	
For >600 To 750, Deduct	-4.91	
For >750, Deduct	-6.32	
33 11 13 00-0053 LF 12" Diameter, Steel Well Casing, Flush.....	78.42	
For >100 To 250, Deduct	-2.14	
For >250 To 400, Deduct	-4.10	
For >400 To 600, Deduct	-6.14	
For >600 To 750, Deduct	-8.19	
For >750, Deduct	-10.47	
33 11 13 00-0054 LF 14" Diameter, Steel Well Casing, Flush.....	87.28	
For >100 To 250, Deduct	-2.43	
For >250 To 400, Deduct	-4.61	
For >400 To 600, Deduct	-6.91	
For >600 To 750, Deduct	-9.22	
For >750, Deduct	-11.84	
33 11 13 00-0055 LF 16" Diameter, Steel Well Casing, Flush.....	102.24	
For >100 To 250, Deduct	-2.86	
For >250 To 400, Deduct	-5.41	
For >400 To 600, Deduct	-8.12	
For >600 To 750, Deduct	-10.83	
For >750, Deduct	-13.93	
33 11 13 00-0056 LF 18" Diameter, Steel Well Casing, Flush.....	116.15	
For >100 To 250, Deduct	-3.28	
For >250 To 400, Deduct	-6.19	
For >400 To 600, Deduct	-9.28	
For >600 To 750, Deduct	-12.37	
For >750, Deduct	-15.96	

<b>33</b>	<b>Utilities</b>
<b>33 10</b>	<b>Water Utilities</b>
<b>33 11</b>	<b>Groundwater Sources</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0057	LF		20" Diameter, Steel Well Casing, Flush .....	131.93	
			<i>For &gt;100 To 250, Deduct</i>	-3.77	
			<i>For &gt;250 To 400, Deduct</i>	-7.06	
			<i>For &gt;400 To 600, Deduct</i>	-10.60	
			<i>For &gt;600 To 750, Deduct</i>	-14.13	
			<i>For &gt;750, Deduct</i>	-18.27	
33 11 13 00-0058	LF		24" Diameter, Steel Well Casing, Flush .....	154.48	
			<i>For &gt;100 To 250, Deduct</i>	-4.39	
			<i>For &gt;250 To 400, Deduct</i>	-8.25	
			<i>For &gt;400 To 600, Deduct</i>	-12.37	
			<i>For &gt;600 To 750, Deduct</i>	-16.50	
			<i>For &gt;750, Deduct</i>	-21.31	
33 11 13 00-0059	LB		Steel Well Casing, Furnish And Install.....	0.76	
			<i>For &gt;100 To 250, Deduct</i>	-0.03	
			<i>For &gt;250 To 400, Deduct</i>	-0.04	
			<i>For &gt;400 To 600, Deduct</i>	-0.07	
			<i>For &gt;600 To 750, Deduct</i>	-0.09	
			<i>For &gt;750, Deduct</i>	-0.12	
<b>33 11 13 00-0060</b>			<b>Stainless Steel Well Casing, Flush Threaded</b> <small>(33 11 13 00-0048)</small>		
33 11 13 00-0061	LF		6" Diameter, Stainless Steel Well Casing, Flush.....	61.32	
			<i>For &gt;100 To 250, Deduct</i>	-1.63	
			<i>For &gt;250 To 400, Deduct</i>	-3.16	
			<i>For &gt;400 To 600, Deduct</i>	-4.74	
			<i>For &gt;600 To 750, Deduct</i>	-6.33	
			<i>For &gt;750, Deduct</i>	-8.03	
33 11 13 00-0062	LF		8" Diameter, Stainless Steel Well Casing, Flush.....	92.80	
			<i>For &gt;100 To 250, Deduct</i>	-2.44	
			<i>For &gt;250 To 400, Deduct</i>	-4.76	
			<i>For &gt;400 To 600, Deduct</i>	-7.14	
			<i>For &gt;600 To 750, Deduct</i>	-9.52	
			<i>For &gt;750, Deduct</i>	-12.06	
33 11 13 00-0063	LF		10" Diameter, Stainless Steel Well Casing, Flush.....	130.07	
			<i>For &gt;100 To 250, Deduct</i>	-3.41	
			<i>For &gt;250 To 400, Deduct</i>	-6.66	
			<i>For &gt;400 To 600, Deduct</i>	-9.99	
			<i>For &gt;600 To 750, Deduct</i>	-13.32	
			<i>For &gt;750, Deduct</i>	-16.85	
33 11 13 00-0064	LF		12" Diameter, Stainless Steel Well Casing, Flush.....	151.15	
			<i>For &gt;100 To 250, Deduct</i>	-3.96	
			<i>For &gt;250 To 400, Deduct</i>	-7.74	
			<i>For &gt;400 To 600, Deduct</i>	-11.61	
			<i>For &gt;600 To 750, Deduct</i>	-15.49	
			<i>For &gt;750, Deduct</i>	-19.60	
<b>33 11 13 00-0065</b>			<b>Stainless Steel Well Casing, Welded Ring</b> <small>(33 11 13 00-0048)</small>		
33 11 13 00-0066	LF		10" Diameter, Stainless Steel Well Casing, Welded .....	134.73	
			<i>For &gt;100 To 250, Deduct</i>	-3.64	
			<i>For &gt;250 To 400, Deduct</i>	-7.01	
			<i>For &gt;400 To 600, Deduct</i>	-10.51	
			<i>For &gt;600 To 750, Deduct</i>	-14.02	
			<i>For &gt;750, Deduct</i>	-17.88	
33 11 13 00-0067	LF		12" Diameter, Stainless Steel Well Casing, Welded .....	156.21	
			<i>For &gt;100 To 250, Deduct</i>	-4.22	
			<i>For &gt;250 To 400, Deduct</i>	-8.12	
			<i>For &gt;400 To 600, Deduct</i>	-12.18	
			<i>For &gt;600 To 750, Deduct</i>	-16.24	
			<i>For &gt;750, Deduct</i>	-20.71	
33 11 13 00-0068	LF		14" Diameter, Stainless Steel Well Casing, Welded .....	188.42	
			<i>For &gt;100 To 250, Deduct</i>	-5.06	
			<i>For &gt;250 To 400, Deduct</i>	-9.77	
			<i>For &gt;400 To 600, Deduct</i>	-14.66	
			<i>For &gt;600 To 750, Deduct</i>	-19.54	
			<i>For &gt;750, Deduct</i>	-24.88	
33 11 13 00-0069	LF		16" Diameter, Stainless Steel Well Casing, Welded .....	215.80	
			<i>For &gt;100 To 250, Deduct</i>	-5.79	
			<i>For &gt;250 To 400, Deduct</i>	-11.19	
			<i>For &gt;400 To 600, Deduct</i>	-16.78	
			<i>For &gt;600 To 750, Deduct</i>	-22.38	
			<i>For &gt;750, Deduct</i>	-28.49	
33 11 13 00-0070	LF		18" Diameter, Stainless Steel Well Casing, Welded .....	237.82	
			<i>For &gt;100 To 250, Deduct</i>	-6.40	
			<i>For &gt;250 To 400, Deduct</i>	-12.35	
			<i>For &gt;400 To 600, Deduct</i>	-18.52	
			<i>For &gt;600 To 750, Deduct</i>	-24.70	
			<i>For &gt;750, Deduct</i>	-31.47	
33 11 13 00-0071	LF		20" Diameter, Stainless Steel Well Casing, Welded .....	313.20	
			<i>For &gt;100 To 250, Deduct</i>	-8.38	
			<i>For &gt;250 To 400, Deduct</i>	-16.21	
			<i>For &gt;400 To 600, Deduct</i>	-24.31	
			<i>For &gt;600 To 750, Deduct</i>	-32.41	
			<i>For &gt;750, Deduct</i>	-41.22	



<b>Utilities</b>	<b>33</b>	<b>33</b>
Water Utilities	33 10	
Groundwater Sources	33 11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0072	LF		24" Diameter, Stainless Steel Well Casing, Welded .....	413.71	
			<i>For &gt;100 To 250, Deduct</i>	-11.02	
			<i>For &gt;250 To 400, Deduct</i>	-21.37	
			<i>For &gt;400 To 600, Deduct</i>	-32.05	
			<i>For &gt;600 To 750, Deduct</i>	-42.73	
			<i>For &gt;750, Deduct</i>	-54.30	
<b>33 11 13 00-0073</b>			<b>Polyvinyl Chloride (PVC) Well Casing, Schedule 80</b> <small>(33 11 13 00-0048)</small>		
33 11 13 00-0074	LF		6" Polyvinyl Chloride (PVC) Well Casing .....	34.14	
			<i>For &gt;100 To 250, Deduct</i>	-0.93	
			<i>For &gt;250 To 400, Deduct</i>	-1.79	
			<i>For &gt;400 To 600, Deduct</i>	-2.68	
			<i>For &gt;600 To 750, Deduct</i>	-3.57	
			<i>For &gt;750, Deduct</i>	-4.56	
33 11 13 00-0075	LF		8" Polyvinyl Chloride (PVC) Well Casing .....	54.27	
			<i>For &gt;100 To 250, Deduct</i>	-1.48	
			<i>For &gt;250 To 400, Deduct</i>	-2.84	
			<i>For &gt;400 To 600, Deduct</i>	-4.25	
			<i>For &gt;600 To 750, Deduct</i>	-5.67	
			<i>For &gt;750, Deduct</i>	-7.25	
33 11 13 00-0076	LF		10" Polyvinyl Chloride (PVC) Well Casing .....	81.99	
			<i>For &gt;100 To 250, Deduct</i>	-2.23	
			<i>For &gt;250 To 400, Deduct</i>	-4.28	
			<i>For &gt;400 To 600, Deduct</i>	-6.43	
			<i>For &gt;600 To 750, Deduct</i>	-8.57	
			<i>For &gt;750, Deduct</i>	-10.95	
33 11 13 00-0077	LF		12" Polyvinyl Chloride (PVC) Well Casing .....	96.56	
			<i>For &gt;100 To 250, Deduct</i>	-2.64	
			<i>For &gt;250 To 400, Deduct</i>	-5.05	
			<i>For &gt;400 To 600, Deduct</i>	-7.58	
			<i>For &gt;600 To 750, Deduct</i>	-10.10	
			<i>For &gt;750, Deduct</i>	-12.92	
<b>33 11 13 00-0078</b>			<b>Furnish And Install Well Screen Assembly</b> <small>(33 11 13 00-0001)</small>		
<b>33 11 13 00-0079</b>			<b>Stainless Steel Well Screen</b> <small>(33 11 13 00-0078)</small>		
33 11 13 00-0080	LF		2" Stainless Steel Well Screen .....	16.99	0.77
			<i>For &gt;100 To 250, Deduct</i>	-0.52	
			<i>For &gt;250 To 400, Deduct</i>	-0.95	
			<i>For &gt;400 To 600, Deduct</i>	-1.42	
			<i>For &gt;600 To 750, Deduct</i>	-1.90	
			<i>For &gt;750, Deduct</i>	-2.50	
33 11 13 00-0081	LF		3" Stainless Steel Well Screen .....	28.51	0.77
			<i>For &gt;100 To 250, Deduct</i>	-0.82	
			<i>For &gt;250 To 400, Deduct</i>	-1.53	
			<i>For &gt;400 To 600, Deduct</i>	-2.30	
			<i>For &gt;600 To 750, Deduct</i>	-3.07	
			<i>For &gt;750, Deduct</i>	-3.97	
33 11 13 00-0082	LF		4" Stainless Steel Well Screen .....	35.78	1.17
			<i>For &gt;100 To 250, Deduct</i>	-1.03	
			<i>For &gt;250 To 400, Deduct</i>	-1.93	
			<i>For &gt;400 To 600, Deduct</i>	-2.89	
			<i>For &gt;600 To 750, Deduct</i>	-3.85	
			<i>For &gt;750, Deduct</i>	-4.99	
33 11 13 00-0083	LF		5" Stainless Steel Well Screen .....	45.54	1.17
			<i>For &gt;100 To 250, Deduct</i>	-1.30	
			<i>For &gt;250 To 400, Deduct</i>	-2.44	
			<i>For &gt;400 To 600, Deduct</i>	-3.66	
			<i>For &gt;600 To 750, Deduct</i>	-4.88	
			<i>For &gt;750, Deduct</i>	-6.31	
33 11 13 00-0084	LF		6" Stainless Steel Well Screen .....	53.96	1.56
			<i>For &gt;100 To 250, Deduct</i>	-1.57	
			<i>For &gt;250 To 400, Deduct</i>	-2.91	
			<i>For &gt;400 To 600, Deduct</i>	-4.37	
			<i>For &gt;600 To 750, Deduct</i>	-5.83	
			<i>For &gt;750, Deduct</i>	-7.57	
33 11 13 00-0085	LF		8" Stainless Steel Well Screen .....	70.61	1.95
			<i>For &gt;100 To 250, Deduct</i>	-2.04	
			<i>For &gt;250 To 400, Deduct</i>	-3.81	
			<i>For &gt;400 To 600, Deduct</i>	-5.71	
			<i>For &gt;600 To 750, Deduct</i>	-7.62	
			<i>For &gt;750, Deduct</i>	-9.88	
33 11 13 00-0086	LF		10" Stainless Steel Well Screen.....	88.92	3.12
			<i>For &gt;100 To 250, Deduct</i>	-2.60	
			<i>For &gt;250 To 400, Deduct</i>	-4.82	
			<i>For &gt;400 To 600, Deduct</i>	-7.23	
			<i>For &gt;600 To 750, Deduct</i>	-9.64	
			<i>For &gt;750, Deduct</i>	-12.53	
33 11 13 00-0087	LF		12" Stainless Steel Well Screen.....	104.38	3.89
			<i>For &gt;100 To 250, Deduct</i>	-3.05	
			<i>For &gt;250 To 400, Deduct</i>	-5.66	
			<i>For &gt;400 To 600, Deduct</i>	-8.48	
			<i>For &gt;600 To 750, Deduct</i>	-11.31	
			<i>For &gt;750, Deduct</i>	-14.71	

**33 Utilities****33 10 Water Utilities****33 11 Groundwater Sources**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0088 LF 14" Stainless Steel Well Screen.....	113.89	4.29
For >100 To 250, Deduct	-3.35	
For >250 To 400, Deduct	-6.20	
For >400 To 600, Deduct	-9.30	
For >600 To 750, Deduct	-12.39	
For >750, Deduct	-16.14	
33 11 13 00-0089 LF 16" Stainless Steel Well Screen.....	122.63	5.06
For >100 To 250, Deduct	-3.63	
For >250 To 400, Deduct	-6.70	
For >400 To 600, Deduct	-10.04	
For >600 To 750, Deduct	-13.39	
For >750, Deduct	-17.47	
33 11 13 00-0090 LF 18" Stainless Steel Well Screen.....	146.64	5.84
For >100 To 250, Deduct	-4.36	
For >250 To 400, Deduct	-8.03	
For >400 To 600, Deduct	-12.04	
For >600 To 750, Deduct	-16.06	
For >750, Deduct	-20.97	
33 11 13 00-0091 LF 20" Stainless Steel Well Screen.....	185.06	7.40
For >100 To 250, Deduct	-5.50	
For >250 To 400, Deduct	-10.13	
For >400 To 600, Deduct	-15.19	
For >600 To 750, Deduct	-20.25	
For >750, Deduct	-26.45	
33 11 13 00-0092 LF 24" Stainless Steel Well Screen.....	239.69	9.74
For >100 To 250, Deduct	-7.14	
For >250 To 400, Deduct	-13.13	
For >400 To 600, Deduct	-19.70	
For >600 To 750, Deduct	-26.26	
For >750, Deduct	-34.31	
33 11 13 00-0093 LF 26" Stainless Steel Well Screen.....	277.10	11.30
For >100 To 250, Deduct	-8.23	
For >250 To 400, Deduct	-15.15	
For >400 To 600, Deduct	-22.73	
For >600 To 750, Deduct	-30.31	
For >750, Deduct	-39.57	
<b>33 11 13 00-0094 Slotted Polyvinyl Chloride (PVC) Well Screen, Schedule 40</b> <small>(33 11 13 00-0078)</small>		
33 11 13 00-0095 LF 1-1/4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen .....	9.53	
For >100 To 250, Deduct	-0.32	
For >250 To 400, Deduct	-0.56	
For >400 To 600, Deduct	-0.84	
For >600 To 750, Deduct	-1.12	
For >750, Deduct	-1.51	
For Schedule 80, Add	2.47	
33 11 13 00-0096 LF 1-1/2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen .....	11.00	
For >100 To 250, Deduct	-0.36	
For >250 To 400, Deduct	-0.64	
For >400 To 600, Deduct	-0.96	
For >600 To 750, Deduct	-1.28	
For >750, Deduct	-1.72	
For Schedule 80, Add	2.96	
33 11 13 00-0097 LF 2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	15.05	
For >100 To 250, Deduct	-0.54	
For >250 To 400, Deduct	-0.91	
For >400 To 600, Deduct	-1.37	
For >600 To 750, Deduct	-1.83	
For >750, Deduct	-2.49	
For Schedule 80, Add	3.46	
33 11 13 00-0098 LF 3" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	22.98	
For >100 To 250, Deduct	-0.75	
For >250 To 400, Deduct	-1.32	
For >400 To 600, Deduct	-1.98	
For >600 To 750, Deduct	-2.64	
For >750, Deduct	-3.53	
For Schedule 80, Add	6.42	
33 11 13 00-0099 LF 4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	28.88	
For >100 To 250, Deduct	-0.94	
For >250 To 400, Deduct	-1.66	
For >400 To 600, Deduct	-2.49	
For >600 To 750, Deduct	-3.33	
For >750, Deduct	-4.44	
For Schedule 80, Add	8.05	
33 11 13 00-0100 LF 5" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen.....	36.35	
For >100 To 250, Deduct	-1.17	
For >250 To 400, Deduct	-2.08	
For >400 To 600, Deduct	-3.12	
For >600 To 750, Deduct	-4.16	
For >750, Deduct	-5.53	
For Schedule 80, Add	10.37	



<b>Utilities</b>	<b>33</b>	<b>33</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Groundwater Sources</b>	<b>33 11</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0101 LF 6" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen .....	39.20	
<i>For &gt;100 To 250, Deduct</i>	-1.33	
<i>For &gt;250 To 400, Deduct</i>	-2.31	
<i>For &gt;400 To 600, Deduct</i>	-3.46	
<i>For &gt;600 To 750, Deduct</i>	-4.62	
<i>For &gt;750, Deduct</i>	-6.22	
<i>For Schedule 80, Add</i>	10.12	
33 11 13 00-0102 LF 8" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen .....	57.29	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 400, Deduct</i>	-3.31	
<i>For &gt;400 To 600, Deduct</i>	-4.96	
<i>For &gt;600 To 750, Deduct</i>	-6.62	
<i>For &gt;750, Deduct</i>	-8.85	
<i>For Schedule 80, Add</i>	15.80	
<b>33 11 13 00-0103 Furnish And Install Gravel Pack Material</b> <small>(33 11 13 00-0001)</small>		
<i>Note: Quantity is based on 3" space between wall and the casing or well screen.</i>		
<b>33 11 13 00-0104 Artificial Gravel Pack</b> <small>(33 11 13 00-0103)</small>		
<i>Note: Excludes casing.</i>		
33 11 13 00-0105 LF Artificial Gravel Pack, 6" Casing, 2" Screen.....	12.65	
<i>For &gt;100 To 250, Deduct</i>	-0.43	
<i>For &gt;250 To 400, Deduct</i>	-0.74	
<i>For &gt;400 To 600, Deduct</i>	-1.12	
<i>For &gt;600 To 750, Deduct</i>	-1.49	
<i>For &gt;750, Deduct</i>	-2.01	
33 11 13 00-0106 LF Artificial Gravel Pack, 8" Casing, 2" Screen.....	18.18	
<i>For &gt;100 To 250, Deduct</i>	-0.63	
<i>For &gt;250 To 400, Deduct</i>	-1.08	
<i>For &gt;400 To 600, Deduct</i>	-1.63	
<i>For &gt;600 To 750, Deduct</i>	-2.17	
<i>For &gt;750, Deduct</i>	-2.94	
33 11 13 00-0107 LF Artificial Gravel Pack, 10" Casing, 2" Screen.....	24.52	
<i>For &gt;100 To 250, Deduct</i>	-0.87	
<i>For &gt;250 To 400, Deduct</i>	-1.49	
<i>For &gt;400 To 600, Deduct</i>	-2.23	
<i>For &gt;600 To 750, Deduct</i>	-2.98	
<i>For &gt;750, Deduct</i>	-4.06	
33 11 13 00-0108 LF Artificial Gravel Pack, 12" Casing, 2" Screen.....	31.94	
<i>For &gt;100 To 250, Deduct</i>	-1.12	
<i>For &gt;250 To 400, Deduct</i>	-1.92	
<i>For &gt;400 To 600, Deduct</i>	-2.88	
<i>For &gt;600 To 750, Deduct</i>	-3.84	
<i>For &gt;750, Deduct</i>	-5.23	
33 11 13 00-0109 LF Artificial Gravel Pack, 14" Casing, 2" Screen.....	39.98	
<i>For &gt;100 To 250, Deduct</i>	-1.39	
<i>For &gt;250 To 400, Deduct</i>	-2.39	
<i>For &gt;400 To 600, Deduct</i>	-3.58	
<i>For &gt;600 To 750, Deduct</i>	-4.77	
<i>For &gt;750, Deduct</i>	-6.47	
33 11 13 00-0110 LF Artificial Gravel Pack, 16" Casing, 2" Screen.....	52.90	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 400, Deduct</i>	-3.12	
<i>For &gt;400 To 600, Deduct</i>	-4.69	
<i>For &gt;600 To 750, Deduct</i>	-6.25	
<i>For &gt;750, Deduct</i>	-8.43	
33 11 13 00-0111 LF Artificial Gravel Pack, 18" Casing, 2" Screen.....	61.02	
<i>For &gt;100 To 250, Deduct</i>	-2.07	
<i>For &gt;250 To 400, Deduct</i>	-3.59	
<i>For &gt;400 To 600, Deduct</i>	-5.39	
<i>For &gt;600 To 750, Deduct</i>	-7.18	
<i>For &gt;750, Deduct</i>	-9.68	
33 11 13 00-0112 LF Artificial Gravel Pack, 20" Casing, 2" Screen.....	71.64	
<i>For &gt;100 To 250, Deduct</i>	-2.45	
<i>For &gt;250 To 400, Deduct</i>	-4.24	
<i>For &gt;400 To 600, Deduct</i>	-6.36	
<i>For &gt;600 To 750, Deduct</i>	-8.49	
<i>For &gt;750, Deduct</i>	-11.46	
33 11 13 00-0113 LF Artificial Gravel Pack, 24" Casing, 2" Screen.....	80.51	
<i>For &gt;100 To 250, Deduct</i>	-2.77	
<i>For &gt;250 To 400, Deduct</i>	-4.78	
<i>For &gt;400 To 600, Deduct</i>	-7.18	
<i>For &gt;600 To 750, Deduct</i>	-9.57	
<i>For &gt;750, Deduct</i>	-12.94	
33 11 13 00-0114 LF Artificial Gravel Pack, 26" Casing, 2" Screen.....	87.93	
<i>For &gt;100 To 250, Deduct</i>	-2.99	
<i>For &gt;250 To 400, Deduct</i>	-5.19	
<i>For &gt;400 To 600, Deduct</i>	-7.78	
<i>For &gt;600 To 750, Deduct</i>	-10.38	
<i>For &gt;750, Deduct</i>	-14.00	
33 11 13 00-0115 LF Artificial Gravel Pack, 30" Casing, 2" Screen.....	103.44	
<i>For &gt;100 To 250, Deduct</i>	-3.56	
<i>For &gt;250 To 400, Deduct</i>	-6.15	
<i>For &gt;400 To 600, Deduct</i>	-9.22	
<i>For &gt;600 To 750, Deduct</i>	-12.29	
<i>For &gt;750, Deduct</i>	-16.63	

<b>33</b>	<b>Utilities</b>
<b>33 10</b>	<b>Water Utilities</b>
<b>33 11</b>	<b>Groundwater Sources</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0116 LF Artificial Gravel Pack, 36" Casing, 2" Screen.....	116.75	
For >100 To 250, Deduct	-4.11	
For >250 To 400, Deduct	-7.03	
For >400 To 600, Deduct	-10.54	
For >600 To 750, Deduct	-14.05	
For >750, Deduct	-19.11	
<b>33 11 13 00-0117 Develop Well</b> <small>(33 11 13 00-0001)</small>		
Note: Pump out drilled well to remove debris and fine material remaining from the drilling process. Excludes disposal.		
33 11 13 00-0118 HR Develop Well.....	239.66	
<b>33 11 13 00-0119 Pump Test</b> <small>(33 11 13 00-0001)</small>		
Note: To determine water level and GPM flow rate.		
33 11 13 00-0120 HR Pump Test Well.....	210.75	
<b>33 11 13 00-0121 Test Well</b> <small>(33 11 13 00-0001)</small>		
33 11 13 00-0122 VLF 2-1/2" Diameter Test Well.....	53.41	
<b>33 11 13 00-0123 Surface Seal, Concrete Filled</b> <small>(33 11 13)</small>		
33 11 13 00-0124 SF Surface Seal Well, Concrete Filled.....	23.06	
<b>33 11 13 00-0125 Other Water Well</b> <small>(33 11 13)</small>		
33 11 13 00-0126 SF Patch Hole In Well Casing.....	44.32	
33 11 13 00-0127 SF 1/2" Pressure Grout Well.....	2.01	
33 11 13 00-0128 SF 1" Pressure Grout Well.....	3.50	
33 11 13 00-0129 CF Sediment Removal In Well Casing For Existing Well.....	2.43	
<b>33 11 13 00-0130 Sterilization Of Well</b> <small>(33 11 13)</small>		
33 11 13 00-0131 EA Well Sterilization, Chlorine.....	848.30	
<b>33 11 13 00-0132 Submersible Well Pumps</b> <small>(33 11 13)</small>		
Note: Includes pump end, motor and control box.		
<b>33 11 13 00-0133 4" Submersible Well Pumps</b> <small>(33 11 13 00-0132)</small>		
<b>33 11 13 00-0134 Powder Coated Case And Cast Iron Ends</b> <small>(33 11 13 00-0133)</small>		
33 11 13 00-0135 EA 1/2 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends.....	963.80	264.38
33 11 13 00-0136 EA 3/4 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends.....	1,104.69	293.03
33 11 13 00-0137 EA 1 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends.....	1,225.48	325.60
<b>33 11 13 00-0138 Stainless Steel Case And Ends</b> <small>(33 11 13 00-0133)</small>		
33 11 13 00-0139 EA 1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	1,136.68	260.48
33 11 13 00-0140 EA 3/4 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	1,302.45	293.03
33 11 13 00-0141 EA 1 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	1,464.67	325.60
33 11 13 00-0142 EA 1-1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	1,700.30	358.16
33 11 13 00-0143 EA 2 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	1,946.58	390.71
33 11 13 00-0144 EA 3 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	2,432.04	455.84
33 11 13 00-0145 EA 5 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	3,138.94	520.95
<b>33 11 13 00-0146 6" Submersible Well Pumps</b> <small>(33 11 13 00-0132)</small>		
33 11 13 00-0147 EA 5 HP Submersible Well Pump, 6" Diameter Stainless Steel.....	2,832.25	651.19
33 11 13 00-0148 EA 7.5 HP Submersible Well Pump, 6" Diameter Stainless Steel.....	3,318.81	716.31
33 11 13 00-0149 EA 10 HP Submersible Well Pump, 6" Diameter Stainless Steel.....	3,828.04	781.43
33 11 13 00-0150 EA 15 HP Submersible Well Pump, 6" Diameter Stainless Steel.....	4,937.52	911.66
<b>33 14 Water Utility Transmission and Distribution</b> <small>(33 10)</small>		
<b>33 14 11 Water Utility Transmission Piping</b> <small>(33 14)</small>		
See CSI section 33 14 13 00-0000 for water utility transmission piping.		
<b>33 14 13 Public Water Utility Distribution Piping</b> <small>(33 14)</small>		
Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
<b>33 14 13 13 Ductile Iron Public Water Utility Distribution Piping</b> <small>(33 14 13)</small>		
<b>33 14 13 13-0001 Ductile Iron Piping</b> <small>(33 14 13 13)</small>		
<b>33 14 13 13-0002 Mechanical Joint Ductile Iron Piping</b> <small>(33 14 13 13-0001)</small>		
Note: Cement lining and bituminous coating shall conform to ANSI A21.4. See CSI section 33 14 13 13-0521 for bolts and gaskets.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 14 13 13-0003 Mechanical Joint Ductile Iron Pipe</b> <small>(33 14 13 13-0002)</small>		
<i>Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.</i>		
33 14 13 13-0004 LF 3", Class 51, Mechanical Joint Ductile Iron Pipe.....	28.30	6.58
<i>For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add</i>	12.85	
<i>For Cement Mortar Lining (CML), Add</i>	1.84	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For 40 Mil Ceramic Epoxy Lining (P401), Add</i>	9.91	
<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	3.30	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	1.38	
<i>Note: ANSI/AWWA C151/A21.51</i>		
<i>For &gt;1,000, Deduct</i>	-1.42	
<i>For Class 52, Add</i>	3.83	
<i>For Class 53, Add</i>	10.21	
<i>For Class 54, Add</i>	14.56	
<i>For Class 55, Add</i>	16.74	
<i>For Class 56, Add</i>	18.89	
33 14 13 13-0005 LF 4", Class 50, Mechanical Joint Ductile Iron Pipe.....	30.75	6.99
<i>For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add</i>	14.11	
<i>For Cement Mortar Lining (CML), Add</i>	2.02	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For 40 Mil Ceramic Epoxy Lining (P401), Add</i>	10.88	
<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	3.63	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	1.51	
<i>Note: ANSI/AWWA C151/A21.51</i>		
<i>For &gt;1,000, Deduct</i>	-1.54	
<i>For Class 51, Add</i>	1.87	
<i>For Class 52, Add</i>	4.20	
<i>For Class 53, Add</i>	11.20	
<i>For Class 54, Add</i>	15.97	
<i>For Class 55, Add</i>	18.36	
<i>For Class 56, Add</i>	20.71	
33 14 13 13-0006 LF 6", Class 50, Mechanical Joint Ductile Iron Pipe.....	32.98	7.35
<i>For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add</i>	15.32	
<i>For Cement Mortar Lining (CML), Add</i>	2.19	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For 40 Mil Ceramic Epoxy Lining (P401), Add</i>	11.82	
<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	3.94	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	1.64	
<i>Note: ANSI/AWWA C151/A21.51</i>		
<i>For &gt;1,000, Deduct</i>	-1.65	
<i>For Class 51, Add</i>	2.03	
<i>For Class 52, Add</i>	4.55	
<i>For Class 53, Add</i>	12.14	
<i>For Class 54, Add</i>	17.32	
<i>For Class 55, Add</i>	19.92	
<i>For Class 56, Add</i>	22.46	
33 14 13 13-0007 LF 8", Class 50, Mechanical Joint Ductile Iron Pipe.....	39.55	7.63
<i>For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add</i>	19.59	
<i>For Cement Mortar Lining (CML), Add</i>	2.80	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For 40 Mil Ceramic Epoxy Lining (P401), Add</i>	15.11	
<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	5.04	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	2.10	
<i>Note: ANSI/AWWA C151/A21.51</i>		
<i>For &gt;1,000, Deduct</i>	-1.98	
<i>For Class 51, Add</i>	2.56	
<i>For Class 52, Add</i>	5.75	
<i>For Class 53, Add</i>	15.43	
<i>For Class 54, Add</i>	22.02	
<i>For Class 55, Add</i>	25.30	
<i>For Class 56, Add</i>	28.53	
33 14 13 13-0008 LF 10", Class 50, Mechanical Joint Ductile Iron Pipe.....	53.00	10.95
<i>For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add</i>	21.85	
<i>For Cement Mortar Lining (CML), Add</i>	3.64	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For 40 Mil Ceramic Epoxy Lining (P401), Add</i>	18.21	
<i>For Fusion Bonded Epoxy Lining (206N), Add</i>	6.55	
<i>Note: ANSI/AWWA C104/A21.4</i>		
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i>	2.73	
<i>Note: ANSI/AWWA C151/A21.51</i>		
<i>For &gt;1,000, Deduct</i>	-2.65	
<i>For Class 51, Add</i>	3.35	
<i>For Class 52, Add</i>	7.52	
<i>For Class 53, Add</i>	20.13	
<i>For Class 54, Add</i>	28.73	
<i>For Class 55, Add</i>	33.02	
<i>For Class 56, Add</i>	37.24	



**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0009 LF 12", Class 50, Mechanical Joint Ductile Iron Pipe.....	64.94	12.17
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	23.25	
For Cement Mortar Lining (CML), Add	4.65	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	18.60	
For Fusion Bonded Epoxy Lining (206N), Add	8.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.49	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-3.25	
For Class 51, Add	4.24	
For Class 52, Add	9.53	
For Class 53, Add	25.61	
For Class 54, Add	36.56	
For Class 55, Add	42.00	
For Class 56, Add	47.35	
33 14 13 13-0010 LF 14", Class 50, Mechanical Joint Ductile Iron Pipe.....	78.40	13.66
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	25.37	
For Cement Mortar Lining (CML), Add	5.77	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	19.60	
For Fusion Bonded Epoxy Lining (206N), Add	10.38	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.32	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-3.92	
For Class 51, Add	5.24	
For Class 52, Add	11.77	
For Class 53, Add	31.68	
For Class 54, Add	45.23	
For Class 55, Add	51.95	
For Class 56, Add	58.55	
33 14 13 13-0011 LF 16", Class 50, Mechanical Joint Ductile Iron Pipe.....	88.36	15.66
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	26.51	
For Cement Mortar Lining (CML), Add	6.47	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	20.04	
For Fusion Bonded Epoxy Lining (206N), Add	11.64	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.85	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-4.42	
For Class 51, Add	5.88	
For Class 52, Add	13.21	
For Class 53, Add	35.54	
For Class 54, Add	50.73	
For Class 55, Add	58.28	
For Class 56, Add	65.68	
33 14 13 13-0012 LF 18", Class 50, Mechanical Joint Ductile Iron Pipe.....	110.57	18.26
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	33.99	
For Cement Mortar Lining (CML), Add	8.29	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	25.70	
For Fusion Bonded Epoxy Lining (206N), Add	14.92	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.22	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-5.53	
For Class 51, Add	7.50	
For Class 52, Add	16.87	
For Class 53, Add	45.47	
For Class 54, Add	64.93	
For Class 55, Add	74.57	
For Class 56, Add	84.03	
33 14 13 13-0013 LF 20", Class 50, Mechanical Joint Ductile Iron Pipe.....	124.49	21.91
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	34.69	
For Cement Mortar Lining (CML), Add	9.13	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	25.56	
For Fusion Bonded Epoxy Lining (206N), Add	16.43	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.85	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-6.22	
For Class 51, Add	8.29	
For Class 52, Add	18.64	
For Class 53, Add	50.17	
For Class 54, Add	71.63	
For Class 55, Add	82.28	
For Class 56, Add	92.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0014 LF 24", Class 50, Mechanical Joint Ductile Iron Pipe.....	164.03	27.39
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	37.99	
For Cement Mortar Lining (CML), Add	12.25	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	25.73	
For Fusion Bonded Epoxy Lining (206N), Add	22.06	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.19	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-8.20	
For Class 51, Add	11.09	
For Class 52, Add	24.94	
For Class 53, Add	67.23	
For Class 54, Add	95.99	
For Class 55, Add	110.24	
For Class 56, Add	124.24	
33 14 13 13-0015 LF 30", Class 50, Mechanical Joint Ductile Iron Pipe.....	217.05	29.49
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	53.57	
For Cement Mortar Lining (CML), Add	17.28	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	31.10	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.96	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-10.85	
For Class 51, Add	15.47	
For Class 52, Add	34.82	
For Class 53, Add	94.26	
For Class 54, Add	134.65	
For Class 55, Add	154.57	
For Class 56, Add	174.13	
33 14 13 13-0016 LF 36", Class 50, Mechanical Joint Ductile Iron Pipe.....	263.09	31.31
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	66.98	
For Cement Mortar Lining (CML), Add	21.61	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	38.89	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.21	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-13.15	
For Class 51, Add	19.23	
For Class 52, Add	43.33	
For Class 53, Add	117.56	
For Class 54, Add	167.95	
For Class 55, Add	192.76	
For Class 56, Add	217.11	
33 14 13 13-0017 LF 42", Class 50, Mechanical Joint Ductile Iron Pipe.....	328.14	33.14
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	86.29	
For Cement Mortar Lining (CML), Add	27.84	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	50.10	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	20.88	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-16.41	
For Class 51, Add	24.64	
For Class 52, Add	55.55	
For Class 53, Add	151.03	
For Class 54, Add	215.82	
For Class 55, Add	247.64	
For Class 56, Add	278.88	
33 14 13 13-0018 LF 48", Class 50, Mechanical Joint Ductile Iron Pipe.....	407.33	35.02
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	109.98	
For Cement Mortar Lining (CML), Add	35.48	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	63.86	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	26.61	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-20.37	
For Class 51, Add	31.27	
For Class 52, Add	70.53	
For Class 53, Add	192.10	
For Class 54, Add	274.53	
For Class 55, Add	314.96	
For Class 56, Add	354.64	
<b>33 14 13 13-0019 Mechanical Joint Ductile Iron 90 Degree Elbow</b> <small>(33 14 13 13-0002)</small>		
33 14 13 13-0020 EA 3" Mechanical Joint Ductile Iron 90 Degree Elbow .....	104.29	20.77
For Cement Mortar Lining (CML), Add	7.28	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	13.11	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.46	
Note: ANSI/AWWA C151/A21.51		

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0021 EA 4" Mechanical Joint Ductile Iron 90 Degree Elbow .....	116.85	24.81
For Cement Mortar Lining (CML), Add	7.93	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	14.27	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.94	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0022 EA 6" Mechanical Joint Ductile Iron 90 Degree Elbow .....	185.12	36.67
For Cement Mortar Lining (CML), Add	12.96	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	23.33	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.72	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0023 EA 8" Mechanical Joint Ductile Iron 90 Degree Elbow .....	254.42	43.49
For Cement Mortar Lining (CML), Add	18.85	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	33.93	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.14	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0024 EA 10" Mechanical Joint Ductile Iron 90 Degree Elbow .....	373.47	48.56
For Cement Mortar Lining (CML), Add	29.99	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	53.98	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.49	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0025 EA 12" Mechanical Joint Ductile Iron 90 Degree Elbow .....	490.07	56.97
For Cement Mortar Lining (CML), Add	40.38	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	72.68	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	30.28	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0026 EA 14" Mechanical Joint Ductile Iron 90 Degree Elbow .....	772.63	63.89
For Cement Mortar Lining (CML), Add	67.58	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	121.65	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	50.69	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0027 EA 16" Mechanical Joint Ductile Iron 90 Degree Elbow .....	1,028.52	73.02
For Cement Mortar Lining (CML), Add	91.79	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	165.22	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	68.84	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0028 EA 18" Mechanical Joint Ductile Iron 90 Degree Elbow .....	1,260.18	102.23
For Cement Mortar Lining (CML), Add	110.53	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	198.96	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	82.90	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0029 EA 20" Mechanical Joint Ductile Iron 90 Degree Elbow .....	1,734.82	127.79
For Cement Mortar Lining (CML), Add	154.12	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	277.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	115.59	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0030 EA 24" Mechanical Joint Ductile Iron 90 Degree Elbow .....	2,558.44	170.16
For Cement Mortar Lining (CML), Add	230.06	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	414.11	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	172.54	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0031 EA 30" Mechanical Joint Ductile Iron 90 Degree Elbow .....	3,968.45	182.55
For Cement Mortar Lining (CML), Add	369.19	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	664.54	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	276.89	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0032 EA 36" Mechanical Joint Ductile Iron 90 Degree Elbow .....	6,058.95	189.52
For Cement Mortar Lining (CML), Add	577.18	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,038.93	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	432.89	
Note: ANSI/AWWA C151/A21.51		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 14 13 13-0033	EA		42" Mechanical Joint Ductile Iron 90 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,229.38 989.75 1,781.55 742.31	219.06
	33 14 13 13-0034	EA		48" Mechanical Joint Ductile Iron 90 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,550.44 1,319.74 2,375.52 989.80	233.05
<b>33 14 13 13-0035</b>	<b>Mechanical Joint Ductile Iron 45 Degree Elbow</b> <small>(33 14 13 13-0002)</small>					
	33 14 13 13-0036	EA		3" Mechanical Joint Ductile Iron 45 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	96.79 6.53 11.76 4.90	20.77
	33 14 13 13-0037	EA		4" Mechanical Joint Ductile Iron 45 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	102.92 6.53 11.76 4.90	24.81
	33 14 13 13-0038	EA		6" Mechanical Joint Ductile Iron 45 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	160.48 10.50 18.89 7.87	36.67
	33 14 13 13-0039	EA		8" Mechanical Joint Ductile Iron 45 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	219.08 15.32 27.57 11.49	43.49
	33 14 13 13-0040	EA		10" Mechanical Joint Ductile Iron 45 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	297.43 22.39 40.29 16.79	48.56
	33 14 13 13-0041	EA		12" Mechanical Joint Ductile Iron 45 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	420.45 33.42 60.15 25.06	56.97
	33 14 13 13-0042	EA		14" Mechanical Joint Ductile Iron 45 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	622.68 52.59 94.66 39.44	63.89
	33 14 13 13-0043	EA		16" Mechanical Joint Ductile Iron 45 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	766.12 65.55 117.99 49.16	73.02
	33 14 13 13-0044	EA		18" Mechanical Joint Ductile Iron 45 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,095.24 94.04 169.27 70.53	102.23
	33 14 13 13-0045	EA		20" Mechanical Joint Ductile Iron 45 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,198.23 100.46 180.84 75.35	127.79

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0046 EA 24" Mechanical Joint Ductile Iron 45 Degree Elbow .....	1,784.08	170.16
For Cement Mortar Lining (CML), Add	152.62	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	274.72	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	114.47	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0047 EA 30" Mechanical Joint Ductile Iron 45 Degree Elbow .....	3,377.24	182.55
For Cement Mortar Lining (CML), Add	310.07	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	558.12	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	232.55	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0048 EA 36" Mechanical Joint Ductile Iron 45 Degree Elbow .....	4,820.83	189.52
For Cement Mortar Lining (CML), Add	453.37	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	816.07	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	340.03	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0049 EA 42" Mechanical Joint Ductile Iron 45 Degree Elbow .....	7,297.94	219.06
For Cement Mortar Lining (CML), Add	696.60	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,253.89	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	522.45	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0050 EA 48" Mechanical Joint Ductile Iron 45 Degree Elbow .....	9,481.56	233.05
For Cement Mortar Lining (CML), Add	912.85	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,643.12	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	684.64	
Note: ANSI/AWWA C151/A21.51		
<b>33 14 13 13-0051 Mechanical Joint Ductile Iron 22-1/2 Degree Elbow</b> <small>(33 14 13 13-0002)</small>		
33 14 13 13-0052 EA 3" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	82.87	20.77
For Cement Mortar Lining (CML), Add	5.14	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	9.25	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.86	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0053 EA 4" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	99.71	24.81
For Cement Mortar Lining (CML), Add	6.21	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	11.18	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.66	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0054 EA 6" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	151.91	36.67
For Cement Mortar Lining (CML), Add	9.64	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	17.35	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.23	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0055 EA 8" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	215.87	43.49
For Cement Mortar Lining (CML), Add	15.00	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	26.99	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.25	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0056 EA 10" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	296.36	48.56
For Cement Mortar Lining (CML), Add	22.28	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	40.10	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.71	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0057 EA 12" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	378.68	56.97
For Cement Mortar Lining (CML), Add	29.24	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	52.63	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	21.93	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0058 EA 14" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	629.11	63.89
For Cement Mortar Lining (CML), Add	53.23	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	95.82	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	39.92	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0059 EA 16" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	739.34	73.02
For Cement Mortar Lining (CML), Add	62.87	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	113.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	47.15	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0060 EA 18" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	927.09	102.23
For Cement Mortar Lining (CML), Add	77.22	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	139.00	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	57.92	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0061 EA 20" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	1,243.21	127.79
For Cement Mortar Lining (CML), Add	104.96	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	188.93	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	78.72	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0062 EA 24" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	1,666.27	170.16
For Cement Mortar Lining (CML), Add	140.84	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	253.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	105.63	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0063 EA 30" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	2,874.92	182.55
For Cement Mortar Lining (CML), Add	259.83	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	467.70	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	194.88	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0064 EA 36" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	4,095.74	189.52
For Cement Mortar Lining (CML), Add	380.86	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	685.55	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	285.65	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0065 EA 42" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	6,082.31	219.06
For Cement Mortar Lining (CML), Add	575.04	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,035.07	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	431.28	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0066 EA 48" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	7,840.73	233.05
For Cement Mortar Lining (CML), Add	748.76	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,347.78	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	561.57	
Note: ANSI/AWWA C151/A21.51		
<b>33 14 13 13-0067 Mechanical Joint Ductile Iron 11-1/4 Degree Elbow</b> <small>(33 14 13 13-0002)</small>		
33 14 13 13-0068 EA 3" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	82.87	20.77
For Cement Mortar Lining (CML), Add	5.14	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	9.25	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.86	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0069 EA 4" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	96.50	24.81
For Cement Mortar Lining (CML), Add	5.89	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	10.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.42	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0070 EA 6" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	155.13	36.67
For Cement Mortar Lining (CML), Add	9.96	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	17.93	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.47	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0071 EA 8" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	201.94	43.49
For Cement Mortar Lining (CML), Add	13.60	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	24.48	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.20	
Note: ANSI/AWWA C151/A21.51		

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0072 EA 10" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	294.21	48.56
For Cement Mortar Lining (CML), Add	22.06	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	39.71	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.55	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0073 EA 12" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	360.48	56.97
For Cement Mortar Lining (CML), Add	27.42	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	49.35	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	20.56	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0074 EA 14" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	704.08	63.89
For Cement Mortar Lining (CML), Add	60.73	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	109.31	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	45.55	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0075 EA 16" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	775.76	73.02
For Cement Mortar Lining (CML), Add	66.51	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	119.72	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	49.88	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0076 EA 18" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	1,130.59	102.23
For Cement Mortar Lining (CML), Add	97.57	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	175.63	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	73.18	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0077 EA 20" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	1,182.16	127.79
For Cement Mortar Lining (CML), Add	98.86	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	177.94	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	74.14	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0078 EA 24" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	1,576.30	170.16
For Cement Mortar Lining (CML), Add	131.85	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	237.32	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	98.88	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0079 EA 30" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	2,922.05	182.55
For Cement Mortar Lining (CML), Add	264.55	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	476.18	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	198.41	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0080 EA 36" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	3,902.95	189.52
For Cement Mortar Lining (CML), Add	361.58	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	650.85	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	271.19	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0081 EA 42" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	5,819.91	219.06
For Cement Mortar Lining (CML), Add	548.80	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	987.84	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	411.60	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0082 EA 48" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	7,789.32	233.05
For Cement Mortar Lining (CML), Add	743.62	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,338.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	557.72	
Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0083 Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow (33 14 13 13-0082)



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0084	EA			3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	107.50 7.60 13.69 5.70	20.77
33 14 13 13-0085	EA			4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	131.84 9.43 16.97 7.07	24.81
33 14 13 13-0086	EA			6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	211.89 15.64 28.15 11.73	36.67
33 14 13 13-0087	EA			8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	289.77 22.39 40.29 16.79	43.49
33 14 13 13-0088	EA			10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	424.88 35.13 63.23 26.35	48.56
33 14 13 13-0089	EA			12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	545.77 45.95 82.71 34.46	56.97
33 14 13 13-0090	EA			14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	951.49 85.47 153.84 64.10	63.89
33 14 13 13-0091	EA			16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,464.43 135.38 243.68 101.53	73.02
33 14 13 13-0092	EA			18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,692.88 153.80 276.84 115.35	102.23
33 14 13 13-0093	EA			20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,304.61 211.10 379.98 158.33	127.79
33 14 13 13-0094	EA			24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,794.07 253.62 456.52 190.22	170.16
33 14 13 13-0095	EA			30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,270.84 499.43 898.97 374.57	182.55



**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0096 EA 36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	9,490.57 920.35 1,656.62 690.26	189.52
<b>33 14 13 13-0097 Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow</b> <small>(33 14 13 13-0002)</small>		
33 14 13 13-0098 EA 3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	97.86 6.64 11.95 4.98	20.77
33 14 13 13-0099 EA 4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	106.14 6.86 12.34 5.14	24.81
33 14 13 13-0100 EA 6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	172.26 11.67 21.01 8.76	36.67
33 14 13 13-0101 EA 8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	253.35 18.74 33.74 14.06	43.49
33 14 13 13-0102 EA 10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	352.05 27.85 50.12 20.89	48.56
33 14 13 13-0103 EA 12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	482.57 39.63 71.33 29.72	56.97
33 14 13 13-0104 EA 14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	839.03 74.22 133.60 55.67	63.89
33 14 13 13-0105 EA 16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,287.71 117.71 211.87 88.28	73.02
33 14 13 13-0106 EA 18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,514.02 135.92 244.65 101.94	102.23
33 14 13 13-0107 EA 20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,968.30 177.47 319.45 133.10	127.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0108 EA 24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,469.55 221.17 398.11 165.88	170.16
33 14 13 13-0109 EA 30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,620.72 434.41 781.95 325.81	182.55
33 14 13 13-0110 EA 36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,294.22 800.71 1,441.28 600.53	189.52
<b>33 14 13 13-0111 Mechanical Joint Ductile Iron Tee</b> <small>(33 14 13 13-0002)</small>		
33 14 13 13-0112 EA 3" x 3" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	171.43 12.42 22.36 9.32	31.15
33 14 13 13-0113 EA 4" x 3" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	176.98 12.42 22.36 9.32	34.81
33 14 13 13-0114 EA 4" x 4" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	159.41 10.39 18.70 7.79	36.67
33 14 13 13-0115 EA 6" x 3" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	213.50 14.35 25.83 10.76	46.18
33 14 13 13-0116 EA 6" x 4" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	247.45 17.46 31.42 13.09	48.09
33 14 13 13-0117 EA 6" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	268.97 18.74 33.74 14.06	53.84
33 14 13 13-0118 EA 8" x 4" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	286.87 20.24 36.44 15.18	55.73
33 14 13 13-0119 EA 8" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	326.61 23.35 42.03 17.51	61.46
33 14 13 13-0120 EA 8" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	380.59 28.17 50.70 21.13	65.29

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0121 EA 10" x 4" Mechanical Joint Ductile Iron Tee.....	402.06	60.36
For Cement Mortar Lining (CML), Add	31.06	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	55.91	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	23.30	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0122 EA 10" x 6" Mechanical Joint Ductile Iron Tee.....	400.71	65.84
For Cement Mortar Lining (CML), Add	30.10	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	54.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.57	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0123 EA 10" x 8" Mechanical Joint Ductile Iron Tee.....	457.66	69.49
For Cement Mortar Lining (CML), Add	35.24	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	63.43	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	26.43	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0124 EA 10" x 10" Mechanical Joint Ductile Iron Tee.....	513.35	73.02
For Cement Mortar Lining (CML), Add	40.27	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	72.49	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	30.20	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0125 EA 12" x 4" Mechanical Joint Ductile Iron Tee.....	482.74	67.67
For Cement Mortar Lining (CML), Add	38.02	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	68.44	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	28.52	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0126 EA 12" x 6" Mechanical Joint Ductile Iron Tee.....	549.94	73.13
For Cement Mortar Lining (CML), Add	43.91	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	79.04	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	32.93	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0127 EA 12" x 8" Mechanical Joint Ductile Iron Tee.....	680.78	76.79
For Cement Mortar Lining (CML), Add	56.44	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	101.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	42.33	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0128 EA 12" x 10" Mechanical Joint Ductile Iron Tee.....	730.04	80.32
For Cement Mortar Lining (CML), Add	60.84	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	109.50	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	45.63	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0129 EA 12" x 12" Mechanical Joint Ductile Iron Tee.....	689.53	83.97
For Cement Mortar Lining (CML), Add	56.23	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	101.21	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	42.17	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0130 EA 14" x 6" Mechanical Joint Ductile Iron Tee.....	737.47	85.23
For Cement Mortar Lining (CML), Add	60.84	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	109.50	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	45.63	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0131 EA 14" x 8" Mechanical Joint Ductile Iron Tee.....	823.34	88.88
For Cement Mortar Lining (CML), Add	68.87	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	123.96	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	51.65	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0132 EA 14" x 10" Mechanical Joint Ductile Iron Tee.....	1,060.02	92.40
For Cement Mortar Lining (CML), Add	92.00	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	165.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	69.00	
Note: ANSI/AWWA C151/A21.51		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0133	EA			14" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,134.10 98.86 177.94 74.14	96.06
33 14 13 13-0134	EA			14" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,090.78 93.61 168.50 70.21	102.11
33 14 13 13-0135	EA			16" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	939.90 78.51 141.31 58.88	102.22
33 14 13 13-0136	EA			16" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,012.97 85.26 153.46 63.94	105.88
33 14 13 13-0137	EA			16" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,185.39 101.96 183.53 76.47	109.41
33 14 13 13-0138	EA			16" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,300.18 112.89 203.20 84.67	113.06
33 14 13 13-0139	EA			16" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,571.73 139.13 250.43 104.35	119.09
33 14 13 13-0140	EA			16" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,479.65 128.63 231.54 96.47	127.62
33 14 13 13-0141	EA			18" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,309.96 111.17 200.11 83.38	130.82
33 14 13 13-0142	EA			18" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,407.61 120.39 216.69 90.29	134.48
33 14 13 13-0143	EA			18" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,526.48 131.74 237.13 98.80	138.00
33 14 13 13-0144	EA			18" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,644.47 142.98 257.37 107.24	141.65

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0145 EA 18" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	1,691.11 146.73 264.12 110.05	147.70
33 14 13 13-0146 EA 18" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	1,805.74 156.91 282.43 117.68	156.20
33 14 13 13-0147 EA 18" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	2,119.80 186.15 335.06 139.61	170.49
33 14 13 13-0148 EA 20" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	1,535.22 125.10 225.17 93.82	187.60
33 14 13 13-0149 EA 20" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	1,568.61 127.88 230.19 95.91	191.26
33 14 13 13-0150 EA 20" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	1,714.26 141.91 255.44 106.43	194.78
33 14 13 13-0151 EA 20" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	1,859.02 155.84 280.50 116.88	198.43
33 14 13 13-0152 EA 20" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	1,879.95 157.01 282.63 117.76	204.48
33 14 13 13-0153 EA 20" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	1,905.69 158.30 284.94 118.73	212.98
33 14 13 13-0154 EA 20" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	2,411.47 206.71 372.08 155.03	227.28
33 14 13 13-0155 EA 20" x 20" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	2,103.19 171.58 308.85 128.69	255.68
33 14 13 13-0156 EA 24" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	1,874.82 150.48 270.87 112.86	244.21



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0157 EA 24" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,899.64 152.41 274.34 114.31	248.21
33 14 13 13-0158 EA 24" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,102.05 172.12 309.81 129.09	251.39
33 14 13 13-0159 EA 24" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,155.78 176.94 318.48 132.70	255.04
33 14 13 13-0160 EA 24" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,436.97 204.14 367.45 153.11	261.08
33 14 13 13-0161 EA 24" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,637.29 222.88 401.19 167.16	269.58
33 14 13 13-0162 EA 24" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,005.98 257.59 463.65 193.19	283.89
33 14 13 13-0163 EA 24" x 20" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,332.82 285.97 514.74 214.48	312.28
33 14 13 13-0164 EA 24" x 24" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,062.96 254.69 458.45 191.02	340.59
33 14 13 13-0165 EA 30" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,310.09 287.36 517.25 215.52	288.09
33 14 13 13-0166 EA 30" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,492.15 305.03 549.06 228.77	291.61
33 14 13 13-0167 EA 30" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,674.41 322.70 580.87 242.03	295.26
33 14 13 13-0168 EA 30" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,934.19 347.77 625.98 260.83	301.31

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0169 EA 30" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,214.83 374.54 674.18 280.91	400.88
33 14 13 13-0170 EA 30" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,326.46 383.54 690.37 287.65	324.11
33 14 13 13-0171 EA 30" x 20" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,494.80 396.07 712.93 297.05	352.50
33 14 13 13-0172 EA 30" x 24" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,718.68 414.17 745.51 310.63	380.80
33 14 13 13-0173 EA 30" x 30" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,946.57 533.91 961.04 400.43	400.88
33 14 13 13-0174 EA 30" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,467.36 303.64 546.55 227.73	284.43
33 14 13 13-0175 EA 36" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,059.34 357.51 643.52 268.13	319.58
33 14 13 13-0176 EA 36" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,529.52 404.00 727.19 303.00	323.11
33 14 13 13-0177 EA 36" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,783.53 428.84 771.92 321.63	326.76
33 14 13 13-0178 EA 36" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,965.13 446.09 802.96 334.57	332.80
33 14 13 13-0179 EA 36" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,148.30 463.12 833.61 347.34	341.31
33 14 13 13-0180 EA 36" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,499.85 496.11 892.99 372.08	355.60



	<b>Utilities</b>	<b>33</b>	
	<b>Water Utilities</b>	<b>33 10</b>	<b>33</b>
	<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0181 EA 36" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,873.82 529.20 952.56 396.90	383.99
33 14 13 13-0182 EA 36" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,503.63 587.89 1,058.21 440.92	412.29
33 14 13 13-0183 EA 36" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,199.22 654.41 1,177.93 490.80	448.18
33 14 13 13-0184 EA 36" x 36" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,427.99 774.90 1,394.81 581.17	448.18
33 14 13 13-0185 EA 42" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,535.64 901.39 1,622.50 676.04	344.36
33 14 13 13-0186 EA 42" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,726.87 919.60 1,655.27 689.70	350.41
33 14 13 13-0187 EA 42" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,822.57 1,027.88 1,850.18 770.91	358.90
33 14 13 13-0188 EA 42" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,105.22 953.98 1,717.16 715.48	373.21
33 14 13 13-0189 EA 42" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,148.23 953.98 1,717.16 715.48	401.60
33 14 13 13-0190 EA 42" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,365.70 971.43 1,748.58 728.57	429.90
33 14 13 13-0191 EA 42" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,598.23 1,191.64 2,144.95 893.73	450.02
33 14 13 13-0192 EA 42" x 36" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,122.27 1,241.66 2,234.98 931.24	465.76



**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0193 EA 42" x 42" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,888.54 1,316.95 2,370.51 987.71	474.57
33 14 13 13-0194 EA 48" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,247.89 1,068.36 1,923.05 801.27	372.42
33 14 13 13-0195 EA 48" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,449.83 1,087.64 1,957.75 815.73	378.46
33 14 13 13-0196 EA 48" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,735.83 1,114.95 2,006.92 836.21	386.96
33 14 13 13-0197 EA 48" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,029.54 1,142.16 2,055.88 856.62	401.26
33 14 13 13-0198 EA 48" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,345.68 1,169.47 2,105.04 877.10	429.65
33 14 13 13-0199 EA 48" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,424.97 1,173.11 2,111.60 879.83	457.95
33 14 13 13-0200 EA 48" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,153.39 1,442.91 2,597.23 1,082.18	478.06
33 14 13 13-0201 EA 48" x 36" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,297.91 1,654.97 2,978.95 1,241.23	493.81
33 14 13 13-0202 EA 48" x 42" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,150.95 1,738.94 3,130.09 1,304.21	502.62
33 14 13 13-0203 EA 48" x 48" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,451.75 1,766.90 3,180.41 1,325.17	516.67
<b>33 14 13 13-0204 Mechanical Joint Ductile Iron Wye (Laterals) (33 14 13 13-0002)</b>		
33 14 13 13-0205 EA 4" x 3" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	143.78 9.10 16.39 6.83	34.81



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0206 EA 4" x 4" Mechanical Joint Ductile Iron Wye (Lateral) .....	225.82	36.65
For Cement Mortar Lining (CML), Add	17.03	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	30.65	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.77	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0207 EA 6" x 3" Mechanical Joint Ductile Iron Wye (Lateral) .....	213.50	46.18
For Cement Mortar Lining (CML), Add	14.35	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	25.83	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.76	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0208 EA 6" x 4" Mechanical Joint Ductile Iron Wye (Lateral) .....	248.52	48.09
For Cement Mortar Lining (CML), Add	17.57	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	31.62	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.17	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0209 EA 6" x 6" Mechanical Joint Ductile Iron Wye (Lateral) .....	338.59	53.82
For Cement Mortar Lining (CML), Add	25.71	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	46.27	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	19.28	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0210 EA 8" x 4" Mechanical Joint Ductile Iron Wye (Lateral) .....	438.95	55.73
For Cement Mortar Lining (CML), Add	35.45	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	63.81	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	26.59	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0211 EA 8" x 6" Mechanical Joint Ductile Iron Wye (Lateral) .....	389.80	61.46
For Cement Mortar Lining (CML), Add	29.67	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	53.40	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.25	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0212 EA 8" x 8" Mechanical Joint Ductile Iron Wye (Lateral) .....	473.77	65.28
For Cement Mortar Lining (CML), Add	37.49	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	67.47	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	28.11	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0213 EA 10" x 4" Mechanical Joint Ductile Iron Wye (Lateral) .....	688.03	60.36
For Cement Mortar Lining (CML), Add	59.66	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	107.38	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	44.74	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0214 EA 10" x 6" Mechanical Joint Ductile Iron Wye (Lateral) .....	727.38	65.84
For Cement Mortar Lining (CML), Add	62.76	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	112.97	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	47.07	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0215 EA 10" x 8" Mechanical Joint Ductile Iron Wye (Lateral) .....	837.88	69.49
For Cement Mortar Lining (CML), Add	73.26	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	131.87	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	54.94	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0216 EA 10" x 10" Mechanical Joint Ductile Iron Wye (Lateral) .....	944.98	73.02
For Cement Mortar Lining (CML), Add	83.43	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	150.18	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	62.58	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0217 EA 12" x 4" Mechanical Joint Ductile Iron Wye (Lateral) .....	881.17	67.67
For Cement Mortar Lining (CML), Add	77.87	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	140.16	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	58.40	
Note: ANSI/AWWA C151/A21.51		

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0218 EA 12" x 6" Mechanical Joint Ductile Iron Wye (Lateral) .....	997.63	73.13
For Cement Mortar Lining (CML), Add	88.68	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	159.63	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	66.51	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0219 EA 12" x 8" Mechanical Joint Ductile Iron Wye (Lateral) .....	1,205.59	76.79
For Cement Mortar Lining (CML), Add	108.93	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	196.07	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	81.69	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0220 EA 12" x 10" Mechanical Joint Ductile Iron Wye (Lateral) .....	1,239.86	80.32
For Cement Mortar Lining (CML), Add	111.82	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	201.27	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	83.86	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0221 EA 12" x 12" Mechanical Joint Ductile Iron Wye (Lateral) .....	1,120.08	83.97
For Cement Mortar Lining (CML), Add	99.29	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	178.71	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	74.46	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0222 EA 14" x 6" Mechanical Joint Ductile Iron Wye (Lateral) .....	1,324.40	85.23
For Cement Mortar Lining (CML), Add	119.53	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	215.15	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	89.65	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0223 EA 14" x 8" Mechanical Joint Ductile Iron Wye (Lateral) .....	1,518.44	88.88
For Cement Mortar Lining (CML), Add	138.38	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	249.08	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	103.78	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0224 EA 14" x 10" Mechanical Joint Ductile Iron Wye (Lateral) .....	1,989.69	92.40
For Cement Mortar Lining (CML), Add	184.97	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	332.94	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	138.73	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0225 EA 14" x 12" Mechanical Joint Ductile Iron Wye (Lateral) .....	2,132.31	96.06
For Cement Mortar Lining (CML), Add	198.68	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	357.62	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	149.01	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0226 EA 14" x 14" Mechanical Joint Ductile Iron Wye (Lateral) .....	2,081.49	102.09
For Cement Mortar Lining (CML), Add	192.68	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	346.82	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	144.51	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0227 EA 16" x 6" Mechanical Joint Ductile Iron Wye (Lateral) .....	1,356.60	102.22
For Cement Mortar Lining (CML), Add	120.17	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	216.31	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	90.13	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0228 EA 16" x 8" Mechanical Joint Ductile Iron Wye (Lateral) .....	1,494.94	105.88
For Cement Mortar Lining (CML), Add	133.45	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	240.21	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	100.09	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0229 EA 16" x 10" Mechanical Joint Ductile Iron Wye (Lateral) .....	1,766.96	109.41
For Cement Mortar Lining (CML), Add	160.12	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	288.22	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	120.09	
Note: ANSI/AWWA C151/A21.51		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33	14	13	13-0230	EA 16" x 12" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,979.22 180.79 325.43 135.59	113.06
33	14	13	13-0231	EA 16" x 14" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,483.19 230.27 414.49 172.71	119.09
33	14	13	13-0232	EA 16" x 16" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,391.10 219.78 395.60 164.83	127.59
33	14	13	13-0233	EA 18" x 6" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,144.30 194.61 350.29 145.96	130.82
33	14	13	13-0234	EA 18" x 8" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,310.50 210.67 379.21 158.01	134.48
33	14	13	13-0235	EA 18" x 10" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,471.14 226.20 407.17 169.65	138.00
33	14	13	13-0236	EA 18" x 12" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,645.89 243.13 437.63 182.34	141.65
33	14	13	13-0237	EA 18" x 14" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,674.33 245.05 441.10 183.79	147.70
33	14	13	13-0238	EA 18" x 16" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,700.06 246.34 443.41 184.75	156.20
33	14	13	13-0239	EA 18" x 18" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,462.54 220.42 396.76 165.32	170.50
33	14	13	13-0240	EA 20" x 6" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,535.58 225.13 405.24 168.85	187.60
33	14	13	13-0241	EA 20" x 8" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,591.45 230.17 414.30 172.62	191.26

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0242 EA 20" x 10" Mechanical Joint Ductile Iron Wye (Lateral) .....	2,849.56	194.78
For Cement Mortar Lining (CML), Add	255.44	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	459.80	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	191.58	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0243 EA 20" x 12" Mechanical Joint Ductile Iron Wye (Lateral) .....	3,105.71	198.43
For Cement Mortar Lining (CML), Add	280.51	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	504.91	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	210.38	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0244 EA 20" x 14" Mechanical Joint Ductile Iron Wye (Lateral) .....	3,136.28	204.48
For Cement Mortar Lining (CML), Add	282.65	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	508.76	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	211.99	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0245 EA 20" x 16" Mechanical Joint Ductile Iron Wye (Lateral) .....	3,171.66	212.98
For Cement Mortar Lining (CML), Add	284.90	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	512.81	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	213.67	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0246 EA 20" x 18" Mechanical Joint Ductile Iron Wye (Lateral) .....	3,679.58	227.28
For Cement Mortar Lining (CML), Add	333.52	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	600.34	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	250.14	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0247 EA 20" x 20" Mechanical Joint Ductile Iron Wye (Lateral) .....	3,476.26	255.67
For Cement Mortar Lining (CML), Add	308.89	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	556.00	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	231.67	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0248 EA 24" x 6" Mechanical Joint Ductile Iron Wye (Lateral) .....	3,078.67	244.21
For Cement Mortar Lining (CML), Add	270.87	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	487.56	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	203.15	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0249 EA 24" x 8" Mechanical Joint Ductile Iron Wye (Lateral) .....	3,118.48	247.86
For Cement Mortar Lining (CML), Add	274.29	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	493.73	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	205.72	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0250 EA 24" x 10" Mechanical Joint Ductile Iron Wye (Lateral) .....	3,478.34	251.39
For Cement Mortar Lining (CML), Add	309.75	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	557.54	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	232.31	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0251 EA 24" x 12" Mechanical Joint Ductile Iron Wye (Lateral) .....	3,642.38	255.04
For Cement Mortar Lining (CML), Add	325.60	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	586.07	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	244.20	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0252 EA 24" x 14" Mechanical Joint Ductile Iron Wye (Lateral) .....	4,212.76	261.08
For Cement Mortar Lining (CML), Add	381.72	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	687.09	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	286.29	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0253 EA 24" x 16" Mechanical Joint Ductile Iron Wye (Lateral) .....	4,685.12	269.58
For Cement Mortar Lining (CML), Add	427.67	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	769.80	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	320.75	
Note: ANSI/AWWA C151/A21.51		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0254	EA			24" x 18" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,246.60 481.65 866.96 361.24	283.89
33 14 13 13-0255	EA			24" x 20" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,764.08 529.09 952.37 396.82	312.28
33 14 13 13-0256	EA			24" x 24" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,100.08 458.41 825.13 343.80	340.57
33 14 13 13-0257	EA			30" x 6" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,406.29 597.53 1,075.56 448.15	284.43
33 14 13 13-0258	EA			30" x 8" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,189.40 675.29 1,215.52 506.47	288.09
33 14 13 13-0259	EA			30" x 10" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,610.30 716.85 1,290.32 537.64	291.61
33 14 13 13-0260	EA			30" x 12" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,031.40 758.40 1,365.13 568.80	295.26
33 14 13 13-0261	EA			30" x 14" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,628.56 817.20 1,470.97 612.90	301.31
33 14 13 13-0262	EA			30" x 16" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,271.21 880.18 1,584.33 660.14	309.80
33 14 13 13-0263	EA			30" x 18" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,503.87 901.28 1,622.30 675.96	324.11
33 14 13 13-0264	EA			30" x 20" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,841.43 930.73 1,675.32 698.05	352.50
33 14 13 13-0265	EA			30" x 24" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,309.51 973.25 1,751.86 729.94	380.80

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0266 EA 30" x 30" Mechanical Joint Ductile Iron Wye (Lateral) .....	11,176.46	400.91
For Cement Mortar Lining (CML), Add	1,056.90	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,902.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	792.68	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0267 EA 36" x 12" Mechanical Joint Ductile Iron Wye (Lateral) .....	12,288.31	326.76
For Cement Mortar Lining (CML), Add	1,179.32	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,122.78	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	884.49	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0268 EA 36" x 14" Mechanical Joint Ductile Iron Wye (Lateral) .....	12,771.94	332.80
For Cement Mortar Lining (CML), Add	1,226.77	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,208.18	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	920.08	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0269 EA 36" x 16" Mechanical Joint Ductile Iron Wye (Lateral) .....	13,252.86	341.31
For Cement Mortar Lining (CML), Add	1,273.57	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,292.43	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	955.18	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0270 EA 36" x 18" Mechanical Joint Ductile Iron Wye (Lateral) .....	14,181.70	355.60
For Cement Mortar Lining (CML), Add	1,364.29	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,455.72	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,023.22	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0271 EA 36" x 20" Mechanical Joint Ductile Iron Wye (Lateral) .....	15,135.10	383.99
For Cement Mortar Lining (CML), Add	1,455.33	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,619.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,091.50	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0272 EA 36" x 24" Mechanical Joint Ductile Iron Wye (Lateral) .....	16,792.04	412.29
For Cement Mortar Lining (CML), Add	1,616.74	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,910.12	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,212.55	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0273 EA 36" x 30" Mechanical Joint Ductile Iron Wye (Lateral) .....	18,817.87	432.41
For Cement Mortar Lining (CML), Add	1,816.27	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3,269.29	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,362.20	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0274 EA 36" x 36" Mechanical Joint Ductile Iron Wye (Lateral) .....	22,473.61	448.16
For Cement Mortar Lining (CML), Add	2,179.46	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3,923.03	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,634.59	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0275 EA 42" x 20" Mechanical Joint Ductile Iron Wye (Lateral) .....	19,773.67	401.60
For Cement Mortar Lining (CML), Add	1,916.52	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3,449.73	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,437.39	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0276 EA 42" x 24" Mechanical Joint Ductile Iron Wye (Lateral) .....	20,263.18	429.90
For Cement Mortar Lining (CML), Add	1,961.18	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3,530.13	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,470.89	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0277 EA 42" x 30" Mechanical Joint Ductile Iron Wye (Lateral) .....	21,647.45	450.02
For Cement Mortar Lining (CML), Add	2,096.56	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3,773.81	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,572.42	
Note: ANSI/AWWA C151/A21.51		



<b>Utilities</b>	<b>33</b>	<b>33</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0278 EA 42" x 36" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	24,766.61 2,406.09 4,330.96 1,804.57	465.76
33 14 13 13-0279 EA 42" x 42" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	29,229.04 2,851.00 5,131.80 2,138.25	474.56
33 14 13 13-0280 EA 48" x 20" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	19,499.15 1,884.82 3,392.67 1,413.61	429.65
33 14 13 13-0281 EA 48" x 24" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	22,091.11 2,139.72 3,851.50 1,604.79	457.95
33 14 13 13-0282 EA 48" x 30" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,547.13 2,282.28 4,108.10 1,711.71	478.06
33 14 13 13-0283 EA 48" x 36" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	26,853.73 2,610.55 4,699.00 1,957.91	493.81
33 14 13 13-0284 EA 48" x 42" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	35,146.21 3,438.47 6,189.24 2,578.85	502.62
33 14 13 13-0285 EA 48" x 48" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	38,594.80 3,781.20 6,806.16 2,835.90	516.64
<b>33 14 13 13-0286 Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee (33 14 13 13-0002)</b>		
33 14 13 13-0287 EA 6" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	297.89 21.64 38.94 16.23 16.23	53.84
33 14 13 13-0288 EA 8" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	354.45 26.13 47.04 19.60 19.60	61.46
33 14 13 13-0289 EA 10" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For Protective Fusion-Bonded Epoxy Coated, C116, Add	545.30 44.56 80.20 33.42 33.42	65.84



**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0290 EA 12" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	613.13	73.13
For Cement Mortar Lining (CML), Add	50.23	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	90.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	37.67	
Note: ANSI/AWWA C151/A21.51		
For Protective Fusion-Bonded Epoxy Coated, C116, Add	37.67	
33 14 13 13-0291 EA 14" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	840.29	85.23
For Cement Mortar Lining (CML), Add	71.12	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	128.01	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	53.34	
Note: ANSI/AWWA C151/A21.51		
For Protective Fusion-Bonded Epoxy Coated, C116, Add	53.34	
33 14 13 13-0292 EA 16" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,074.91	102.22
For Cement Mortar Lining (CML), Add	92.00	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	165.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	69.00	
Note: ANSI/AWWA C151/A21.51		
For Protective Fusion-Bonded Epoxy Coated, C116, Add	69.00	
33 14 13 13-0293 EA 18" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,318.53	130.82
For Cement Mortar Lining (CML), Add	112.03	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	201.66	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	84.02	
Note: ANSI/AWWA C151/A21.51		
For Protective Fusion-Bonded Epoxy Coated, C116, Add	84.02	
33 14 13 13-0294 EA 20" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,846.90	187.60
For Cement Mortar Lining (CML), Add	156.27	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	281.28	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	117.20	
Note: ANSI/AWWA C151/A21.51		
For Protective Fusion-Bonded Epoxy Coated, C116, Add	117.20	
33 14 13 13-0295 EA 24" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	2,143.09	244.21
For Cement Mortar Lining (CML), Add	179.08	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	322.34	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	134.31	
Note: ANSI/AWWA C151/A21.51		
For Protective Fusion-Bonded Epoxy Coated, C116, Add	134.31	
33 14 13 13-0296 EA 30" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	4,234.22	284.43
For Cement Mortar Lining (CML), Add	380.33	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	684.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	285.24	
Note: ANSI/AWWA C151/A21.51		
For Protective Fusion-Bonded Epoxy Coated, C116, Add	285.24	
<b>33 14 13 13-0297 Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee</b> .....		
(33 14 13 13-0002)		
33 14 13 13-0298 EA 6" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee .....	265.76	53.84
Note: Includes swivel gland.		
For Cement Mortar Lining (CML), Add	18.42	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	33.16	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.82	
Note: ANSI/AWWA C151/A21.51		
For Protective Fusion-Bonded Epoxy Coated, C116, Add	13.82	
33 14 13 13-0299 EA 8" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee .....	311.61	61.46
Note: Includes swivel gland.		
For Cement Mortar Lining (CML), Add	21.85	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	39.33	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.39	
Note: ANSI/AWWA C151/A21.51		
For Protective Fusion-Bonded Epoxy Coated, C116, Add	16.39	
33 14 13 13-0300 EA 10" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee .....	451.05	65.84
Note: Includes swivel gland.		
For Cement Mortar Lining (CML), Add	35.13	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	63.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	26.35	
Note: ANSI/AWWA C151/A21.51		
For Protective Fusion-Bonded Epoxy Coated, C116, Add	26.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0301 EA 12" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee ..... Note: Includes swivel gland. <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51 <i>For Protective Fusion-Bonded Epoxy Coated, C116, Add</i>	560.65  44.98 80.97 33.74 33.74	73.13
33 14 13 13-0302 EA 14" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee ..... Note: Includes swivel gland. <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51 <i>For Protective Fusion-Bonded Epoxy Coated, C116, Add</i>	707.48  57.84 104.10 43.38 43.38	85.23
33 14 13 13-0303 EA 16" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee ..... Note: Includes swivel gland. <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51 <i>For Protective Fusion-Bonded Epoxy Coated, C116, Add</i>	894.98  74.01 133.22 55.51 55.51	102.22
33 14 13 13-0304 EA 18" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee ..... Note: Includes swivel gland. <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51 <i>For Protective Fusion-Bonded Epoxy Coated, C116, Add</i>	1,156.80  95.86 172.54 71.89 71.89	130.82
33 14 13 13-0305 EA 20" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee ..... Note: Includes swivel gland. <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51 <i>For Protective Fusion-Bonded Epoxy Coated, C116, Add</i>	1,250.33  96.61 173.89 72.46 72.46	187.60
33 14 13 13-0306 EA 24" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee ..... Note: Includes swivel gland. <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51 <i>For Protective Fusion-Bonded Epoxy Coated, C116, Add</i>	1,743.59  139.13 250.43 104.35 104.35	244.21
<b>33 14 13 13-0307 Mechanical Joint Ductile Iron Cross (33 14 13 13-0002)</b>		
33 14 13 13-0308 EA 3" x 3" Mechanical Joint Ductile Iron Cross ..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	201.09 13.82 24.87 10.36	41.53
33 14 13 13-0309 EA 4" x 3" Mechanical Joint Ductile Iron Cross ..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	245.20 17.67 31.81 13.25	45.19
33 14 13 13-0310 EA 4" x 4" Mechanical Joint Ductile Iron Cross ..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	293.25 22.39 40.29 16.79	45.81
33 14 13 13-0311 EA 6" x 3" Mechanical Joint Ductile Iron Cross ..... <i>For Cement Mortar Lining (CML), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Fusion Bonded Epoxy Lining (206N), Add</i> Note: ANSI/AWWA C104/A21.4 <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> Note: ANSI/AWWA C151/A21.51	349.31 26.35 47.43 19.76	56.62

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0312 EA 6" x 4" Mechanical Joint Ductile Iron Cross .....	336.73	61.07
For Cement Mortar Lining (CML), Add	24.42	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	43.96	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.32	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0313 EA 6" x 6" Mechanical Joint Ductile Iron Cross .....	389.86	76.35
For Cement Mortar Lining (CML), Add	27.42	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	49.35	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	20.56	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0314 EA 8" x 4" Mechanical Joint Ductile Iron Cross .....	344.35	66.81
For Cement Mortar Lining (CML), Add	24.31	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	43.76	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.23	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0315 EA 8" x 6" Mechanical Joint Ductile Iron Cross .....	408.18	82.07
For Cement Mortar Lining (CML), Add	28.38	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	51.09	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	21.29	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0316 EA 8" x 8" Mechanical Joint Ductile Iron Cross .....	431.86	87.79
For Cement Mortar Lining (CML), Add	29.88	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	53.79	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.41	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0317 EA 10" x 4" Mechanical Joint Ductile Iron Cross.....	423.99	70.60
For Cement Mortar Lining (CML), Add	31.70	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	57.07	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	23.78	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0318 EA 10" x 6" Mechanical Joint Ductile Iron Cross.....	484.68	85.20
For Cement Mortar Lining (CML), Add	35.56	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	64.01	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	26.67	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0319 EA 10" x 8" Mechanical Joint Ductile Iron Cross.....	578.67	90.68
For Cement Mortar Lining (CML), Add	44.13	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	79.43	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	33.10	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0320 EA 10" x 10" Mechanical Joint Ductile Iron Cross.....	626.29	97.36
For Cement Mortar Lining (CML), Add	47.88	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	86.18	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.91	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0321 EA 12 x 4" Mechanical Joint Ductile Iron Cross.....	516.73	76.67
For Cement Mortar Lining (CML), Add	40.06	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	72.10	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	30.04	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0322 EA 12" x 6" Mechanical Joint Ductile Iron Cross.....	599.92	91.27
For Cement Mortar Lining (CML), Add	46.16	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	83.09	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	34.62	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0323 EA 12" x 8" Mechanical Joint Ductile Iron Cross.....	874.90	96.75
For Cement Mortar Lining (CML), Add	72.83	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	131.10	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	54.62	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0324 EA 12" x 10" Mechanical Joint Ductile Iron Cross .....	885.06	103.45
For Cement Mortar Lining (CML), Add	72.83	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	131.10	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	54.62	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0325 EA 12" x 12" Mechanical Joint Ductile Iron Cross .....	1,006.73	109.53
For Cement Mortar Lining (CML), Add	84.08	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	151.34	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	63.06	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0326 EA 14" x 6" Mechanical Joint Ductile Iron Cross .....	1,034.66	100.39
For Cement Mortar Lining (CML), Add	88.25	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	158.86	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	66.19	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0327 EA 14" x 8" Mechanical Joint Ductile Iron Cross .....	1,220.75	105.88
For Cement Mortar Lining (CML), Add	106.03	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	190.86	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	79.52	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0328 EA 14" x 10" Mechanical Joint Ductile Iron Cross .....	1,252.32	112.58
For Cement Mortar Lining (CML), Add	108.18	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	194.72	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	81.13	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0329 EA 14" x 12" Mechanical Joint Ductile Iron Cross .....	1,321.51	118.65
For Cement Mortar Lining (CML), Add	114.17	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	205.51	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	85.63	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0330 EA 14" x 14" Mechanical Joint Ductile Iron Cross .....	1,462.77	127.79
For Cement Mortar Lining (CML), Add	126.92	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	228.45	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	95.19	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0331 EA 16" x 6" Mechanical Joint Ductile Iron Cross .....	1,183.60	113.17
For Cement Mortar Lining (CML), Add	101.21	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	182.18	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	75.91	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0332 EA 16" x 8" Mechanical Joint Ductile Iron Cross .....	1,349.35	118.65
For Cement Mortar Lining (CML), Add	116.96	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	210.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	87.72	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0333 EA 16" x 10" Mechanical Joint Ductile Iron Cross .....	1,619.32	125.35
For Cement Mortar Lining (CML), Add	142.94	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	257.29	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	107.21	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0334 EA 16" x 12" Mechanical Joint Ductile Iron Cross .....	1,806.76	131.43
For Cement Mortar Lining (CML), Add	160.76	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	289.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	120.57	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0335 EA 16" x 14" Mechanical Joint Ductile Iron Cross .....	2,186.88	140.55
For Cement Mortar Lining (CML), Add	197.39	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	355.31	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	148.04	
Note: ANSI/AWWA C151/A21.51		

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0336 EA 16" x 16" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,562.88 233.06 419.50 174.79	153.34
33 14 13 13-0337 EA 18" x 6" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,971.04 176.83 318.29 132.62	133.81
33 14 13 13-0338 EA 18" x 8" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,084.31 187.33 337.19 140.49	139.30
33 14 13 13-0339 EA 18" x 10" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,182.28 196.11 352.99 147.08	145.99
33 14 13 13-0340 EA 18" x 12" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,367.13 213.67 384.61 160.25	152.07
33 14 13 13-0341 EA 18" x 14" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,765.46 252.12 453.82 189.09	161.20
33 14 13 13-0342 EA 18" x 16" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,943.33 267.97 482.35 200.98	173.97
33 14 13 13-0343 EA 18" x 18" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,079.56 278.47 501.25 208.85	194.61
33 14 13 13-0344 EA 20" x 6" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,477.88 222.35 400.23 166.76	167.90
33 14 13 13-0345 EA 20" x 8" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,592.21 232.95 419.31 174.71	173.39
33 14 13 13-0346 EA 20" x 10" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,671.98 239.91 431.84 179.93	180.08
33 14 13 13-0347 EA 20" x 12" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,855.77 257.37 463.27 193.03	186.15



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0348	EA		20" x 14" Mechanical Joint Ductile Iron Cross ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,904.93 260.91 469.63 195.68	195.28
33 14 13	13-0349	EA		20" x 16" Mechanical Joint Ductile Iron Cross ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,519.78 320.46 576.82 240.34	208.05
33 14 13	13-0350	EA		20" x 18" Mechanical Joint Ductile Iron Cross ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,656.02 330.95 595.71 248.21	228.69
33 14 13	13-0351	EA		20" x 20" Mechanical Joint Ductile Iron Cross ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,952.93 355.48 639.86 266.61	262.75
33 14 13	13-0352	EA		24" x 6" Mechanical Joint Ductile Iron Cross ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,382.48 306.43 551.57 229.82	210.04
33 14 13	13-0353	EA		24" x 8" Mechanical Joint Ductile Iron Cross ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,461.63 313.49 564.29 235.12	215.51
33 14 13	13-0354	EA		24" x 10" Mechanical Joint Ductile Iron Cross ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,593.71 325.70 586.27 244.28	222.21
33 14 13	13-0355	EA		24" x 12" Mechanical Joint Ductile Iron Cross ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,707.88 336.20 605.16 252.15	228.29
33 14 13	13-0356	EA		24" x 14" Mechanical Joint Ductile Iron Cross ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,774.19 341.45 614.61 256.09	237.41
33 14 13	13-0357	EA		24" x 16" Mechanical Joint Ductile Iron Cross ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,916.71 353.77 636.78 265.32	250.18
33 14 13	13-0358	EA		24" x 18" Mechanical Joint Ductile Iron Cross ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,191.47 478.11 860.60 358.58	270.83
33 14 13	13-0359	EA		24" x 20" Mechanical Joint Ductile Iron Cross ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,470.18 500.82 901.47 375.61	304.92

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0360 EA 24" x 24" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,024.55 549.87 989.77 412.40	347.06
33 14 13 13-0361 EA 30" x 8" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,497.01 607.39 1,093.30 455.54	279.27
33 14 13 13-0362 EA 30" x 10" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,626.04 619.28 1,114.70 464.46	285.96
33 14 13 13-0363 EA 30" x 12" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,753.07 631.06 1,135.90 473.29	292.05
33 14 13 13-0364 EA 30" x 14" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,902.90 644.66 1,160.39 483.49	301.17
33 14 13 13-0365 EA 30" x 16" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,074.35 659.87 1,187.76 494.90	313.94
33 14 13 13-0366 EA 30" x 18" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,274.85 676.79 1,218.22 507.59	334.58
33 14 13 13-0367 EA 30" x 20" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,528.93 697.03 1,254.66 522.77	368.68
33 14 13 13-0368 EA 30" x 24" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,693.07 907.06 1,632.72 680.30	410.81
33 14 13 13-0369 EA 30" x 30" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,145.60 1,042.66 1,876.78 781.99	474.57
33 14 13 13-0370 EA 36" x 8" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,088.11 862.94 1,553.29 647.20	302.77
33 14 13 13-0371 EA 36" x 10" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,216.07 874.72 1,574.49 656.04	309.47



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13	13-0372	EA		36" x 12" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,325.97 884.79 1,592.61 663.59	315.55
33 14 13	13-0373	EA		36" x 14" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,457.61 896.57 1,613.82 672.43	324.67
33 14 13	13-0374	EA		36" x 16" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,611.90 910.06 1,638.11 682.55	337.44
33 14 13	13-0375	EA		36" x 18" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,794.20 925.16 1,665.30 693.87	358.09
33 14 13	13-0376	EA		36" x 20" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,031.13 943.69 1,698.65 707.77	392.17
33 14 13	13-0377	EA		36" x 24" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,448.42 979.04 1,762.27 734.28	434.31
33 14 13	13-0378	EA		36" x 30" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,094.44 1,333.98 2,401.16 1,000.49	498.07
33 14 13	13-0379	EA		36" x 36" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,492.42 1,470.22 2,646.39 1,102.66	521.58
33 14 13	13-0380	EA		42" x 12" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,216.94 1,171.83 2,109.29 878.87	329.13
33 14 13	13-0381	EA		42" x 14" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,822.06 1,330.96 2,395.72 998.22	338.26
33 14 13	13-0382	EA		42" x 16" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,491.09 1,195.92 2,152.66 896.94	351.03
33 14 13	13-0383	EA		42" x 18" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,651.98 1,208.88 2,175.99 906.66	371.68



**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0384 EA 42" x 20" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,880.35 1,226.56 2,207.80 919.92	405.76
33 14 13 13-0385 EA 42" x 24" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,266.56 1,258.79 2,265.83 944.09	447.89
33 14 13 13-0386 EA 42" x 30" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,000.41 1,622.52 2,920.53 1,216.89	511.66
33 14 13 13-0387 EA 42" x 36" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	22,235.91 2,142.51 3,856.51 1,606.88	535.15
33 14 13 13-0388 EA 42" x 42" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,833.09 2,300.17 4,140.30 1,725.12	548.75
33 14 13 13-0389 EA 48" x 12" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,532.51 1,595.21 2,871.37 1,196.41	383.08
33 14 13 13-0390 EA 48" x 14" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,642.72 1,604.85 2,888.72 1,203.63	392.21
33 14 13 13-0391 EA 48" x 16" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,790.60 1,617.70 2,911.86 1,213.27	404.98
33 14 13 13-0392 EA 48" x 18" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,950.40 1,630.55 2,934.99 1,222.91	425.63
33 14 13 13-0393 EA 48" x 20" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,163.78 1,646.72 2,964.10 1,235.04	459.71
33 14 13 13-0394 EA 48" x 24" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,532.87 1,677.25 3,019.05 1,257.94	501.84
33 14 13 13-0395 EA 48" x 30" Mechanical Joint Ductile Iron Cross..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,547.35 1,769.04 3,184.27 1,326.78	565.61



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0396 EA 48" x 36" Mechanical Joint Ductile Iron Cross ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	22,751.45 2,185.89 3,934.59 1,639.41	589.10
33 14 13 13-0397 EA 48" x 42" Mechanical Joint Ductile Iron Cross ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	29,291.46 2,837.83 5,108.09 2,128.37	602.69
33 14 13 13-0398 EA 48" x 48" Mechanical Joint Ductile Iron Cross ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	31,191.82 3,019.69 5,435.44 2,264.77	656.62
<b>33 14 13 13-0399 Mechanical Joint x Mechanical Joint Ductile Iron Reducers (33 14 13 13-0002)</b>		
33 14 13 13-0400 EA 4" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	96.35 6.21 11.18 4.66	22.60
33 14 13 13-0401 EA 6" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	111.47 6.86 12.34 5.14	28.32
33 14 13 13-0402 EA 6" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	120.66 7.50 13.49 5.62	30.15
33 14 13 13-0403 EA 8" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	154.35 10.28 18.51 7.71	33.97
33 14 13 13-0404 EA 8" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	169.40 10.93 19.67 8.19	39.70
33 14 13 13-0405 EA 10" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	188.46 13.39 24.10 10.04	36.02
33 14 13 13-0406 EA 10" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	204.25 14.14 25.45 10.60	41.50
33 14 13 13-0407 EA 10" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	223.71 15.53 27.95 11.65	45.15
33 14 13 13-0408 EA 12" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	229.33 16.92 30.46 12.69	39.67

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0409 EA 12" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	254.77	45.15
For Cement Mortar Lining (CML), Add	18.64	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	33.54	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.98	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0410 EA 12" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	265.66	48.80
For Cement Mortar Lining (CML), Add	19.17	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	34.51	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.38	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0411 EA 12" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	291.35	52.33
For Cement Mortar Lining (CML), Add	21.21	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	38.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	15.91	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0412 EA 14" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	490.98	51.19
For Cement Mortar Lining (CML), Add	41.34	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	74.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	31.01	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0413 EA 14" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	475.09	54.85
For Cement Mortar Lining (CML), Add	39.20	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	70.56	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	29.40	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0414 EA 14" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	422.60	58.37
For Cement Mortar Lining (CML), Add	33.42	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	60.15	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	25.06	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0415 EA 14" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	444.21	62.02
For Cement Mortar Lining (CML), Add	35.02	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	63.04	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	26.27	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0416 EA 16" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	576.69	59.69
For Cement Mortar Lining (CML), Add	48.63	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	87.53	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	36.47	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0417 EA 16" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	564.02	63.34
For Cement Mortar Lining (CML), Add	46.80	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	84.25	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.10	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0418 EA 16" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	552.23	66.88
For Cement Mortar Lining (CML), Add	45.09	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	81.16	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	33.82	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0419 EA 16" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	599.53	70.53
For Cement Mortar Lining (CML), Add	49.27	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	88.68	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	36.95	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0420 EA 16" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	667.59	76.57
For Cement Mortar Lining (CML), Add	55.16	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	99.29	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	41.37	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0421 EA 18" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	718.49	77.64
For Cement Mortar Lining (CML), Add	60.09	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	108.15	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	45.06	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0422 EA 18" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	807.37	81.18
For Cement Mortar Lining (CML), Add	68.44	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	123.19	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	51.33	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0423 EA 18" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	776.50	84.83
For Cement Mortar Lining (CML), Add	64.80	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	116.64	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	48.60	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0424 EA 18" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	823.14	90.86
For Cement Mortar Lining (CML), Add	68.55	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	123.38	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	51.41	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0425 EA 18" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	866.00	99.36
For Cement Mortar Lining (CML), Add	71.55	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	128.78	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	53.66	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0426 EA 20" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,015.35	106.04
For Cement Mortar Lining (CML), Add	85.47	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	153.84	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	64.10	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0427 EA 20" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	971.42	109.57
For Cement Mortar Lining (CML), Add	80.54	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	144.98	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	60.41	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0428 EA 20" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	892.35	113.22
For Cement Mortar Lining (CML), Add	72.08	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	129.75	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	54.06	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0429 EA 20" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	896.14	119.25
For Cement Mortar Lining (CML), Add	71.55	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	128.78	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	53.66	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0430 EA 20" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	924.02	127.75
For Cement Mortar Lining (CML), Add	73.05	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	131.48	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	54.78	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0431 EA 20" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,111.70	142.05
For Cement Mortar Lining (CML), Add	89.65	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	161.36	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	67.23	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0432 EA 24" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,318.66	141.52
For Cement Mortar Lining (CML), Add	110.42	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	198.76	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	82.82	
Note: ANSI/AWWA C151/A21.51		

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0433 EA 24" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,355.66	147.56
For Cement Mortar Lining (CML), Add	113.21	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	203.78	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	84.91	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0434 EA 24" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,383.53	156.05
For Cement Mortar Lining (CML), Add	114.71	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	206.47	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	86.03	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0435 EA 24" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,354.86	170.35
For Cement Mortar Lining (CML), Add	109.67	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	197.41	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	82.26	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0436 EA 24" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,659.21	198.75
For Cement Mortar Lining (CML), Add	135.81	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	244.45	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	101.86	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0437 EA 30" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,757.09	176.17
For Cement Mortar Lining (CML), Add	249.02	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	448.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	186.76	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0438 EA 30" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,877.29	190.47
For Cement Mortar Lining (CML), Add	258.87	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	465.97	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	194.15	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0439 EA 30" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,776.79	218.86
For Cement Mortar Lining (CML), Add	244.52	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	440.13	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	183.39	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0440 EA 30" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,702.93	247.17
For Cement Mortar Lining (CML), Add	232.84	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	419.12	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	174.63	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0441 EA 36" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,143.74	234.60
For Cement Mortar Lining (CML), Add	378.83	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	681.89	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	284.12	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0442 EA 36" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,405.83	262.90
For Cement Mortar Lining (CML), Add	300.75	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	541.35	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	225.56	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0443 EA 36" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,699.79	283.02
For Cement Mortar Lining (CML), Add	327.10	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	588.77	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	245.32	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0444 EA 42" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,419.41	200.71
For Cement Mortar Lining (CML), Add	511.53	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	920.75	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	383.65	
Note: ANSI/AWWA C151/A21.51		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0445	EA			42" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,393.95	215.02
				For Cement Mortar Lining (CML), Add	506.82	
				Note: ANSI/AWWA C104/A21.4		
				For Fusion Bonded Epoxy Lining (206N), Add	912.27	
				Note: ANSI/AWWA C104/A21.4		
				For Bituminous Or Coal Tar Coating, 1 Mil, Add	380.11	
				Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0446	EA			42" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,419.82	243.41
				For Cement Mortar Lining (CML), Add	505.10	
				Note: ANSI/AWWA C104/A21.4		
				For Fusion Bonded Epoxy Lining (206N), Add	909.18	
				Note: ANSI/AWWA C104/A21.4		
				For Bituminous Or Coal Tar Coating, 1 Mil, Add	378.83	
				Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0447	EA			42" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	6,048.57	271.71
				For Cement Mortar Lining (CML), Add	563.69	
				Note: ANSI/AWWA C104/A21.4		
				For Fusion Bonded Epoxy Lining (206N), Add	1,014.64	
				Note: ANSI/AWWA C104/A21.4		
				For Bituminous Or Coal Tar Coating, 1 Mil, Add	422.77	
				Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0448	EA			42" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,967.29	291.82
				For Cement Mortar Lining (CML), Add	452.51	
				Note: ANSI/AWWA C104/A21.4		
				For Fusion Bonded Epoxy Lining (206N), Add	814.53	
				Note: ANSI/AWWA C104/A21.4		
				For Bituminous Or Coal Tar Coating, 1 Mil, Add	339.39	
				Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0449	EA			42" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,198.94	307.57
				For Cement Mortar Lining (CML), Add	473.29	
				Note: ANSI/AWWA C104/A21.4		
				For Fusion Bonded Epoxy Lining (206N), Add	851.93	
				Note: ANSI/AWWA C104/A21.4		
				For Bituminous Or Coal Tar Coating, 1 Mil, Add	354.97	
				Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0450	EA			48" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,319.27	214.75
				For Cement Mortar Lining (CML), Add	699.39	
				Note: ANSI/AWWA C104/A21.4		
				For Fusion Bonded Epoxy Lining (206N), Add	1,258.90	
				Note: ANSI/AWWA C104/A21.4		
				For Bituminous Or Coal Tar Coating, 1 Mil, Add	524.54	
				Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0451	EA			48" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,090.31	229.05
				For Cement Mortar Lining (CML), Add	674.33	
				Note: ANSI/AWWA C104/A21.4		
				For Fusion Bonded Epoxy Lining (206N), Add	1,213.79	
				Note: ANSI/AWWA C104/A21.4		
				For Bituminous Or Coal Tar Coating, 1 Mil, Add	505.75	
				Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0452	EA			48" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	6,747.74	257.44
				For Cement Mortar Lining (CML), Add	635.77	
				Note: ANSI/AWWA C104/A21.4		
				For Fusion Bonded Epoxy Lining (206N), Add	1,144.38	
				Note: ANSI/AWWA C104/A21.4		
				For Bituminous Or Coal Tar Coating, 1 Mil, Add	476.83	
				Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0453	EA			48" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	6,952.35	285.74
				For Cement Mortar Lining (CML), Add	651.94	
				Note: ANSI/AWWA C104/A21.4		
				For Fusion Bonded Epoxy Lining (206N), Add	1,173.50	
				Note: ANSI/AWWA C104/A21.4		
				For Bituminous Or Coal Tar Coating, 1 Mil, Add	488.96	
				Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0454	EA			48" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	8,318.42	305.85
				For Cement Mortar Lining (CML), Add	785.50	
				Note: ANSI/AWWA C104/A21.4		
				For Fusion Bonded Epoxy Lining (206N), Add	1,413.90	
				Note: ANSI/AWWA C104/A21.4		
				For Bituminous Or Coal Tar Coating, 1 Mil, Add	589.13	
				Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0455	EA			48" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,270.17	321.60
				For Cement Mortar Lining (CML), Add	678.29	
				Note: ANSI/AWWA C104/A21.4		
				For Fusion Bonded Epoxy Lining (206N), Add	1,220.92	
				Note: ANSI/AWWA C104/A21.4		
				For Bituminous Or Coal Tar Coating, 1 Mil, Add	508.72	
				Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0456	EA			48" x 42" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,988.25	330.40
				For Cement Mortar Lining (CML), Add	748.76	
				Note: ANSI/AWWA C104/A21.4		
				For Fusion Bonded Epoxy Lining (206N), Add	1,347.78	
				Note: ANSI/AWWA C104/A21.4		
				For Bituminous Or Coal Tar Coating, 1 Mil, Add	561.57	
				Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0457 Mechanical Joint Ductile Iron Caps (33 14 13 13-0002)

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0458 EA 3" Mechanical Joint Ductile Iron Caps.....	100.14	47.71
For Cement Mortar Lining (CML), Add	2.79	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	5.01	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.09	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0459 EA 4" Mechanical Joint Ductile Iron Caps.....	113.74	55.98
For Cement Mortar Lining (CML), Add	2.89	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	5.21	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.17	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0460 EA 6" Mechanical Joint Ductile Iron Caps.....	157.44	69.98
For Cement Mortar Lining (CML), Add	5.14	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	9.25	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.86	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0461 EA 8" Mechanical Joint Ductile Iron Caps.....	206.86	79.98
For Cement Mortar Lining (CML), Add	8.57	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	15.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.43	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0462 EA 10" Mechanical Joint Ductile Iron Caps.....	292.58	121.70
For Cement Mortar Lining (CML), Add	10.82	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	19.47	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.11	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0463 EA 12" Mechanical Joint Ductile Iron Caps.....	362.89	132.76
For Cement Mortar Lining (CML), Add	16.17	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	29.11	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.13	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0464 EA 14" Mechanical Joint Ductile Iron Caps.....	466.54	146.03
For Cement Mortar Lining (CML), Add	24.53	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	44.15	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.40	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0465 EA 16" Mechanical Joint Ductile Iron Caps.....	574.67	162.25
For Cement Mortar Lining (CML), Add	32.88	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	59.19	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.66	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0466 EA 18" Mechanical Joint Ductile Iron Caps.....	678.22	182.55
For Cement Mortar Lining (CML), Add	40.16	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	72.30	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	30.12	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0467 EA 20" Mechanical Joint Ductile Iron Caps.....	835.55	208.60
For Cement Mortar Lining (CML), Add	51.95	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	93.50	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	38.96	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0468 EA 24" Mechanical Joint Ductile Iron Caps.....	1,082.09	243.40
For Cement Mortar Lining (CML), Add	71.33	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	128.40	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	53.50	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0469 EA 30" Mechanical Joint Ductile Iron Caps.....	2,073.73	292.08
For Cement Mortar Lining (CML), Add	163.12	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	293.61	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	122.34	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0470 EA 36" Mechanical Joint Ductile Iron Caps ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,519.96 296.68 534.02 222.51	365.10
33 14 13 13-0471 EA 42" Mechanical Joint Ductile Iron Caps ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,163.25 449.94 809.90 337.46	438.11
33 14 13 13-0472 EA 48" Mechanical Joint Ductile Iron Caps ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,159.17 542.16 975.89 406.62	486.79
<b>33 14 13 13-0473 Mechanical Joint Ductile Iron Plug</b> <small>(33 14 13 13-0002)</small>		
33 14 13 13-0474 EA 3" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	104.42 3.21 5.78 2.41	47.71
33 14 13 13-0475 EA 4" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	120.16 3.53 6.36 2.65	55.98
33 14 13 13-0476 EA 6" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	174.58 6.86 12.34 5.14	69.98
33 14 13 13-0477 EA 8" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	224.00 10.28 18.51 7.71	79.98
33 14 13 13-0478 EA 10" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	362.19 17.78 32.00 13.33	121.70
33 14 13 13-0479 EA 12" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	382.17 18.10 32.58 13.58	132.76
33 14 13 13-0480 EA 14" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	589.71 36.84 66.32 27.63	146.03
33 14 13 13-0481 EA 16" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	292.99 4.71 8.48 3.53	162.25
33 14 13 13-0482 EA 18" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	861.37 58.48 105.26 43.86	182.55



**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0483 EA 20" Mechanical Joint Ductile Iron Plug.....	1,085.11	208.60
For Cement Mortar Lining (CML), Add	76.90	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	138.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	57.68	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0484 EA 24" Mechanical Joint Ductile Iron Plug.....	1,435.54	243.40
For Cement Mortar Lining (CML), Add	106.68	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	192.02	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	80.01	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0485 EA 30" Mechanical Joint Ductile Iron Plug.....	2,559.99	292.08
For Cement Mortar Lining (CML), Add	211.75	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	381.14	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	158.81	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0486 EA 36" Mechanical Joint Ductile Iron Plug.....	3,824.14	365.10
For Cement Mortar Lining (CML), Add	327.10	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	588.77	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	245.32	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0487 EA 42" Mechanical Joint Ductile Iron Plug.....	5,201.81	438.11
For Cement Mortar Lining (CML), Add	453.80	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	816.84	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	340.35	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0488 EA 48" Mechanical Joint Ductile Iron Plug.....	6,786.79	486.79
For Cement Mortar Lining (CML), Add	604.92	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,088.86	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	453.69	
Note: ANSI/AWWA C151/A21.51		
<b>33 14 13 13-0489 Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters (33 14 13 13-0002)</b>		
33 14 13 13-0490 EA 3" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	179.50	72.52
For Cement Mortar Lining (CML), Add	6.96	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	12.53	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.22	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0491 EA 4" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	202.21	83.98
For Cement Mortar Lining (CML), Add	7.50	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	13.49	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.62	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0492 EA 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	262.94	104.97
For Cement Mortar Lining (CML), Add	10.39	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	18.70	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.79	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0493 EA 8" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	339.21	119.95
For Cement Mortar Lining (CML), Add	15.74	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	28.34	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.81	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0494 EA 10" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	550.77	182.55
For Cement Mortar Lining (CML), Add	27.42	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	49.35	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	20.56	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0495 EA 12" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	653.03	199.14
For Cement Mortar Lining (CML), Add	35.13	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	63.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	26.35	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0496 EA 14" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	889.91	219.06
For Cement Mortar Lining (CML), Add	55.80	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	100.44	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	41.85	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0497 EA 16" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,006.05	243.40
For Cement Mortar Lining (CML), Add	63.73	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	114.71	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	47.80	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0498 EA 18" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,389.53	273.82
For Cement Mortar Lining (CML), Add	97.47	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	175.44	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	73.10	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0499 EA 20" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,635.16	312.93
For Cement Mortar Lining (CML), Add	116.10	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	208.98	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	87.08	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0500 EA 24" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,983.02	365.10
For Cement Mortar Lining (CML), Add	142.98	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	257.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	107.24	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0501 EA 30" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	3,295.36	438.11
For Cement Mortar Lining (CML), Add	263.16	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	473.68	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	197.37	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0502 EA 36" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	4,600.89	547.64
For Cement Mortar Lining (CML), Add	377.11	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	678.80	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	282.83	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0503 EA 42" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	6,206.04	625.87
For Cement Mortar Lining (CML), Add	525.77	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	946.39	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	394.33	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0504 EA 48" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	7,691.10	730.19
For Cement Mortar Lining (CML), Add	658.48	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,185.26	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	493.86	
Note: ANSI/AWWA C151/A21.51		
<b>33 14 13 13-0505 Mechanical Joint Ductile Iron Long Sleeves</b> <small>(33 14 13 13-0002)</small>		
33 14 13 13-0506 EA 3" Mechanical Joint Ductile Iron Long Sleeves.....	168.79	72.52
For Cement Mortar Lining (CML), Add	5.89	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	10.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.42	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0507 EA 4" Mechanical Joint Ductile Iron Long Sleeves.....	196.86	83.98
For Cement Mortar Lining (CML), Add	6.96	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	12.53	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.22	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0508 EA 6" Mechanical Joint Ductile Iron Long Sleeves.....	275.79	104.97
For Cement Mortar Lining (CML), Add	11.67	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	21.01	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.76	
Note: ANSI/AWWA C151/A21.51		

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0509 EA 8" Mechanical Joint Ductile Iron Long Sleeves .....	373.49	119.95
For Cement Mortar Lining (CML), Add	19.17	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	34.51	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.38	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0510 EA 10" Mechanical Joint Ductile Iron Long Sleeves .....	504.71	182.55
For Cement Mortar Lining (CML), Add	22.81	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	41.06	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.11	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0511 EA 12" Mechanical Joint Ductile Iron Long Sleeves .....	610.19	199.14
For Cement Mortar Lining (CML), Add	30.85	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	55.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	23.13	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0512 EA 14" Mechanical Joint Ductile Iron Long Sleeves .....	797.80	219.06
For Cement Mortar Lining (CML), Add	46.59	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	83.86	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	34.94	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0513 EA 16" Mechanical Joint Ductile Iron Long Sleeves .....	958.92	243.40
For Cement Mortar Lining (CML), Add	59.01	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	106.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	44.26	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0514 EA 18" Mechanical Joint Ductile Iron Long Sleeves .....	1,169.96	273.82
For Cement Mortar Lining (CML), Add	75.51	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	135.91	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	56.63	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0515 EA 20" Mechanical Joint Ductile Iron Long Sleeves .....	1,385.61	312.93
For Cement Mortar Lining (CML), Add	91.15	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	164.06	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	68.36	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0516 EA 24" Mechanical Joint Ductile Iron Long Sleeves .....	1,753.82	365.10
For Cement Mortar Lining (CML), Add	120.06	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	216.12	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	90.05	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0517 EA 30" Mechanical Joint Ductile Iron Long Sleeves .....	3,178.61	438.11
For Cement Mortar Lining (CML), Add	251.48	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	452.66	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	188.61	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0518 EA 36" Mechanical Joint Ductile Iron Long Sleeves .....	4,360.98	547.64
For Cement Mortar Lining (CML), Add	353.12	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	635.62	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	264.84	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0519 EA 42" Mechanical Joint Ductile Iron Long Sleeves .....	5,670.50	625.15
For Cement Mortar Lining (CML), Add	472.33	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	850.19	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	354.25	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0520 EA 48" Mechanical Joint Ductile Iron Long Sleeves .....	7,741.44	730.19
For Cement Mortar Lining (CML), Add	663.51	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,194.32	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	497.63	
Note: ANSI/AWWA C151/A21.51		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0521				<b>Mechanical Joint Ductile Iron Gland Packs</b> <small>(33 14 13 13-0002)</small> Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts.		
33 14 13 13-0522				<b>Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts</b> <small>(33 14 13 13-0521)</small> Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0523	EA			3" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....	21.42	
33 14 13 13-0524	EA			4" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....	32.96	
				Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0525	EA			6" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....	39.82	
				Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0526	EA			8" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....	46.69	
				Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0527	EA			10" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....	64.54	
				Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0528	EA			12" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....	68.66	
				Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0529	EA			14" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....	112.60	
				Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0530	EA			16" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....	119.47	
				Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0531	EA			18" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....	159.29	
				Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0532	EA			20" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....	205.98	
				Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0533	EA			24" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....	287.00	
				Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0534	EA			30" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....	685.23	
				Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.		
33 14 13 13-0535	EA			36" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....	1,477.56	
				Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.		
33 14 13 13-0536	EA			42" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....	2,157.30	
				Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Boltss with nut.		
33 14 13 13-0537	EA			48" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....	2,647.53	
				Note: Includes thirty-two (32) 1-1/4" diameter plain finish Boltss with nut.		
33 14 13 13-0538				<b>Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts</b> <small>(33 14 13 13-0521)</small> Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0539	EA			3" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts .....	36.42	
33 14 13 13-0540	EA			4" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts .....	46.69	
				Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0541	EA			6" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts .....	59.05	
				Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0542	EA			8" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts .....	64.54	
				Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0543	EA			10" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts .....	89.26	
				Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0544	EA			12" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts .....	93.38	
				Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0545	EA			14" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts .....	141.44	
				Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0546	EA			16" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts .....	155.17	
				Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0547	EA			18" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts .....	205.98	
				Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0548	EA			20" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts .....	266.40	
				Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0549	EA			24" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts .....	372.14	
				Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0550				<b>Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts</b> <small>(33 14 13 13-0521)</small> Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0551	EA			3" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....	23.56	
33 14 13 13-0552	EA			4" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....	35.70	
				Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0553	EA			6" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....	42.57	
				Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0554	EA			8" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....	50.81	
				Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0555	EA			10" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....	70.03	
				Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0556	EA			12" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....	74.15	
				Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0557	EA			14" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....	122.21	
				Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0558	EA			16" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....	129.08	
				Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0559	EA			18" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....	174.40	
				Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0560	EA			20" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....	223.83	
				Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.		

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0561 EA 24" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	313.09	
Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0562 EA 30" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	749.77	
Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.		
33 14 13 13-0563 EA 36" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	1,661.57	
Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.		
33 14 13 13-0564 EA 42" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	2,405.85	
Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Boltss with nut.		
33 14 13 13-0565 EA 48" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	2,960.62	
Note: Includes thirty-two (32) 1-1/4" diameter plain finish Boltss with nut.		
<b>33 14 13 13-0566 Mechanical Joint Restraints With Accessories For Ductile Iron Pipe</b> <b>(MEGALUG® 1100DEC Series)</b> (33 14 13 13-0002)		
Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts and bolts. Excludes pipe and fitting.		
33 14 13 13-0567 EA 3" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1103DSC).....	117.74	36.38
33 14 13 13-0568 EA 4" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1104DEC).....	133.29	43.08
33 14 13 13-0569 EA 6" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1106DEC).....	165.42	53.32
33 14 13 13-0570 EA 8" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1108DEC).....	209.13	62.23
33 14 13 13-0571 EA 10" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1110DEC).....	302.43	91.27
33 14 13 13-0572 EA 12" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1112DEC).....	378.08	104.33
33 14 13 13-0573 EA 14" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1114DEC).....	446.08	112.29
33 14 13 13-0574 EA 16" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1116DEC).....	560.37	121.70
33 14 13 13-0575 EA 18" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1118DEC).....	725.48	146.03
33 14 13 13-0576 EA 20" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1120DEC).....	862.75	162.19
33 14 13 13-0577 EA 24" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1124DEC).....	1,135.34	187.14
33 14 13 13-0578 EA 30" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1130DEC).....	2,292.51	224.43
33 14 13 13-0579 EA 36" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1136DEC).....	2,828.68	280.85
33 14 13 13-0580 EA 42" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1142DEC).....	4,232.25	324.05
33 14 13 13-0581 EA 48" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1148DEC).....	5,418.73	416.76
<b>33 14 13 13-0582 Mechanical Joint Ductile Iron Force Balanced Flexible Expansion Joint</b> <b>(FLEX-TEND®)</b> (33 14 13 13-0002)		
33 14 13 13-0583 EA 3" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	2,994.52	29.77
33 14 13 13-0584 EA 4" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	3,113.95	37.22
33 14 13 13-0585 EA 6" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	4,518.30	55.00
33 14 13 13-0586 EA 8" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	6,146.01	65.24
33 14 13 13-0587 EA 10" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	7,754.50	72.86
33 14 13 13-0588 EA 12" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	10,350.46	85.47
33 14 13 13-0589 EA 14" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	12,756.64	95.84
33 14 13 13-0590 EA 16" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	15,094.22	109.53
33 14 13 13-0591 EA 18" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	16,997.98	153.34
33 14 13 13-0592 EA 20" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	22,877.10	191.68
33 14 13 13-0593 EA 24" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	31,705.43	255.57
<b>33 14 13 13-0594 Set Screw Flange Adapter For Ductile Iron Pipe (E-Z Flange 1000DSM</b> <b>Series)</b> (33 14 13 13-0002)		
Note: Includes machined bolts and gasket.		
33 14 13 13-0595 EA 3" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1003DSM).....	116.73	36.38
33 14 13 13-0596 EA 4" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1004DSM).....	152.03	43.08
33 14 13 13-0597 EA 6" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1006DSM).....	197.91	53.32
33 14 13 13-0598 EA 8" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1008DSM).....	225.07	62.23
33 14 13 13-0599 EA 10" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1010DSM).....	403.77	95.42
33 14 13 13-0600 EA 12" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1012DSM).....	456.32	109.08
<b>33 14 13 13-0601 Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2100</b> <b>Series)</b> (33 14 13 13-0002)		
Note: Includes nuts, bolts and gasket.		
33 14 13 13-0602 EA 3" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2103000).....	180.40	36.38
33 14 13 13-0603 EA 4" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2104000).....	225.70	43.08
33 14 13 13-0604 EA 6" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2106000).....	316.35	53.32
33 14 13 13-0605 EA 8" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2108000).....	466.57	62.23
33 14 13 13-0606 EA 10" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2110000).....	672.66	95.42
33 14 13 13-0607 EA 12" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2112000).....	842.25	109.08
33 14 13 13-0608 EA 14" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2114000).....	1,328.92	117.41
33 14 13 13-0609 EA 16" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2116000).....	1,885.43	127.24
33 14 13 13-0610 EA 18" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2118000).....	2,127.15	152.68
33 14 13 13-0611 EA 20" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2120000).....	2,349.15	169.57
33 14 13 13-0612 EA 24" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2124000).....	2,847.74	195.65
33 14 13 13-0613 EA 30" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2130000).....	3,674.32	234.64
33 14 13 13-0614 EA 36" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2136000).....	5,523.08	293.63
33 14 13 13-0615 EA 42" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2142000).....	14,669.48	338.79
33 14 13 13-0616 EA 48" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2148000).....	18,788.39	435.73



		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0617		<b>Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Piping</b> <small>(33 14 13 13-0001)</small>		
		Note: . See CSI section 33 14 13 13-0521 for bolts and gaskets.		
33 14 13 13-0618		<b>Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow</b> <small>(33 14 13 13-0617)</small>		
33 14 13 13-0619	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	259.59	20.77
33 14 13 13-0620	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	310.71	24.87
33 14 13 13-0621	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	482.86	36.43
33 14 13 13-0622	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	662.49	43.38
33 14 13 13-0623	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	913.28	48.68
33 14 13 13-0624	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	1,159.47	56.97
33 14 13 13-0625	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	1,654.09	64.17
33 14 13 13-0626	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	2,008.52	73.02
33 14 13 13-0627	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	2,422.26	102.34
33 14 13 13-0628	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	3,019.00	127.79
33 14 13 13-0629	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	4,272.11	170.37
33 14 13 13-0630	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	6,870.97	182.55
33 14 13 13-0631	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	10,147.11	189.74
33 14 13 13-0632	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	16,749.87	219.06
33 14 13 13-0633	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	21,929.19	232.88
33 14 13 13-0634		<b>Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow</b> <small>(33 14 13 13-0617)</small>		
33 14 13 13-0635	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	247.81	20.77
33 14 13 13-0636	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	290.36	24.87
33 14 13 13-0637	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	447.52	36.43
33 14 13 13-0638	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	607.87	43.38
33 14 13 13-0639	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	797.60	48.68
33 14 13 13-0640	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	1,055.58	56.97
33 14 13 13-0641	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	1,431.32	64.17
33 14 13 13-0642	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	1,715.06	73.02
33 14 13 13-0643	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	2,022.76	102.34
33 14 13 13-0644	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	2,454.57	127.79
33 14 13 13-0645	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	3,234.27	170.37
33 14 13 13-0646	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	5,995.93	182.55
33 14 13 13-0647	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	8,312.42	189.74
33 14 13 13-0648	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	12,373.60	219.06
33 14 13 13-0649	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	15,856.39	232.88
33 14 13 13-0650		<b>Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow</b> <small>(33 14 13 13-0617)</small>		
33 14 13 13-0651	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	191.04	20.77
33 14 13 13-0652	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	287.14	24.87
33 14 13 13-0653	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	434.67	36.43
33 14 13 13-0654	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	603.58	43.38
33 14 13 13-0655	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	796.53	48.68
33 14 13 13-0656	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	993.46	56.97
33 14 13 13-0657	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	1,439.88	64.17
33 14 13 13-0658	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	1,676.50	73.02
33 14 13 13-0659	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	2,013.12	102.34
33 14 13 13-0660	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	2,543.46	127.79
33 14 13 13-0661	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	3,163.58	170.37
33 14 13 13-0662	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	5,328.68	182.55
33 14 13 13-0663	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	7,294.93	189.74
33 14 13 13-0664	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	10,457.51	219.06
33 14 13 13-0665	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	13,406.93	232.88
33 14 13 13-0666		<b>Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow</b> <small>(33 14 13 13-0617)</small>		
33 14 13 13-0667	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	191.04	20.77
33 14 13 13-0668	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	346.05	24.87
33 14 13 13-0669	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	438.95	36.43
33 14 13 13-0670	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	584.30	43.38
33 14 13 13-0671	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	794.39	48.68
33 14 13 13-0672	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	964.54	56.97
33 14 13 13-0673	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	1,552.34	64.17
33 14 13 13-0674	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	2,128.98	73.02
33 14 13 13-0675	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	2,317.30	102.34
33 14 13 13-0676	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	2,451.35	127.79
33 14 13 13-0677	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	3,164.65	170.37
33 14 13 13-0678	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	5,399.36	182.55
33 14 13 13-0679	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	7,092.51	189.74
33 14 13 13-0680	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	10,168.33	219.06
33 14 13 13-0681	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	13,329.81	232.88

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
33 14 13 13-0682		<b>Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow</b> <small>(33 14 13 13-0617)</small>			
33 14 13 13-0683	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	226.39		20.77
33 14 13 13-0684	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	335.34		24.87
33 14 13 13-0685	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	523.56		36.43
33 14 13 13-0686	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	713.90		43.38
33 14 13 13-0687	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	988.25		48.68
33 14 13 13-0688	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,241.94		56.97
33 14 13 13-0689	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,246.38		64.17
33 14 13 13-0690	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	3,515.48		73.02
33 14 13 13-0691	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	4,010.61		102.34
33 14 13 13-0692	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	4,619.14		127.79
33 14 13 13-0693	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	4,983.28		170.37
33 14 13 13-0694		<b>Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow</b> <small>(33 14 13 13-0617)</small>			
33 14 13 13-0695	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	226.39		20.77
33 14 13 13-0696	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	294.64		24.87
33 14 13 13-0697	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	464.66		36.43
33 14 13 13-0698	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	660.35		43.38
33 14 13 13-0699	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	880.07		48.68
33 14 13 13-0700	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,147.69		56.97
33 14 13 13-0701	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,534.14		64.17
33 14 13 13-0702	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,844.65		73.02
33 14 13 13-0703	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	3,464.38		102.34
33 14 13 13-0704	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	3,627.34		127.79
33 14 13 13-0705	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	3,764.43		170.37
33 14 13 13-0706		<b>Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee</b> <small>(33 14 13 13-0617)</small>			
33 14 13 13-0707	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	318.16		31.15
33 14 13 13-0708	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	346.67		35.12
33 14 13 13-0709	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	366.12		36.43
33 14 13 13-0710	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	524.10		46.18
33 14 13 13-0711	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	568.76		48.01
33 14 13 13-0712	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	598.85		53.78
33 14 13 13-0713	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	699.22		55.52
33 14 13 13-0714	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	756.09		61.31
33 14 13 13-0715	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	832.57		65.35
33 14 13 13-0716	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	945.08		60.29
33 14 13 13-0717	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	941.59		65.83
33 14 13 13-0718	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,021.03		69.70
33 14 13 13-0719	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,102.42		73.02
33 14 13 13-0720	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,139.29		67.48
33 14 13 13-0721	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,147.58		73.02
33 14 13 13-0722	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,242.00		76.90
33 14 13 13-0723	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,434.79		80.21
33 14 13 13-0724	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,437.11		84.09
33 14 13 13-0725	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,631.79		85.19
33 14 13 13-0726	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,766.92		89.06
33 14 13 13-0727	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,150.34		92.38
33 14 13 13-0728	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,270.47		96.25
33 14 13 13-0729	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,098.63		102.34
33 14 13 13-0730	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,952.04		102.34
33 14 13 13-0731	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,058.30		105.65
33 14 13 13-0732	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,475.99		109.53
33 14 13 13-0733	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,318.74		112.85



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0734 EA 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,035.84	118.93
33 14 13 13-0735 EA 16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,739.19	127.79
33 14 13 13-0736 EA 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,564.15	131.10
33 14 13 13-0737 EA 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,705.71	134.42
33 14 13 13-0738 EA 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,885.63	137.74
33 14 13 13-0739 EA 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,051.81	141.62
33 14 13 13-0740 EA 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,134.88	147.70
33 14 13 13-0741 EA 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,350.18	156.00
33 14 13 13-0742 EA 18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,741.35	170.37
33 14 13 13-0743 EA 20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,934.00	187.52
33 14 13 13-0744 EA 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,983.46	191.40
33 14 13 13-0745 EA 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,284.40	194.71
33 14 13 13-0746 EA 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,448.45	198.59
33 14 13 13-0747 EA 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,481.16	204.67
33 14 13 13-0748 EA 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,432.99	212.97
33 14 13 13-0749 EA 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,405.74	227.36
33 14 13 13-0750 EA 20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,733.31	255.57
33 14 13 13-0751 EA 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,555.28	243.95
33 14 13 13-0752 EA 24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,588.67	248.38
33 14 13 13-0753 EA 24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,653.99	251.14
33 14 13 13-0754 EA 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,751.63	255.02
33 14 13 13-0755 EA 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,278.09	261.10
33 14 13 13-0756 EA 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,463.42	269.40
33 14 13 13-0757 EA 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,511.14	283.78
33 14 13 13-0758 EA 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,682.68	312.54
33 14 13 13-0759 EA 24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,313.22	340.76
33 14 13 13-0760 EA 30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,276.70	284.33
33 14 13 13-0761 EA 30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,969.48	288.20
33 14 13 13-0762 EA 30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,314.34	291.52
33 14 13 13-0763 EA 30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,660.47	295.40
33 14 13 13-0764 EA 30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,151.59	301.48
33 14 13 13-0765 EA 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,680.71	401.05
33 14 13 13-0766 EA 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,640.26	324.16
33 14 13 13-0767 EA 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,620.09	352.37
33 14 13 13-0768 EA 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,933.94	380.58
33 14 13 13-0769 EA 30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	9,491.72	401.05
33 14 13 13-0770 EA 36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,468.11	319.74
33 14 13 13-0771 EA 36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,251.04	323.05
33 14 13 13-0772 EA 36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,673.20	326.93
33 14 13 13-0773 EA 36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,970.47	333.01
33 14 13 13-0774 EA 36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	8,268.24	341.31
33 14 13 13-0775 EA 36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	8,842.56	355.69
33 14 13 13-0776 EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	9,439.31	383.90
33 14 13 13-0777 EA 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,464.33	412.12
33 14 13 13-0778 EA 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,831.47	448.08
33 14 13 13-0779 EA 36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	13,652.53	448.08
33 14 13 13-0780 EA 42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	15,612.72	344.63
33 14 13 13-0781 EA 42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	15,927.12	350.16
33 14 13 13-0782 EA 42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	17,527.28	359.01
33 14 13 13-0783 EA 42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	19,993.06	373.39
33 14 13 13-0784 EA 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	20,036.07	401.60
33 14 13 13-0785 EA 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	16,533.82	429.82
33 14 13 13-0786 EA 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	16,824.55	450.29
33 14 13 13-0787 EA 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	20,881.95	465.77
33 14 13 13-0788 EA 42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	22,017.73	474.63
33 14 13 13-0789 EA 48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	18,219.29	372.29
33 14 13 13-0790 EA 48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	18,546.54	378.37
33 14 13 13-0791 EA 48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	19,011.40	387.22
33 14 13 13-0792 EA 48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	19,481.84	401.05
33 14 13 13-0793 EA 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	19,976.84	429.82
33 14 13 13-0794 EA 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	20,079.69	458.03
33 14 13 13-0795 EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	21,565.71	477.95
33 14 13 13-0796 EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	17,297.91	493.98
33 14 13 13-0797 EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	21,741.07	502.84
33 14 13 13-0798 EA 48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	29,029.34	516.67

**33 14 13 13-0799 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Laterals) (33 14 13 13-0617)**

33 14 13 13-0800 EA 3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	356.92	34.81
33 14 13 13-0801 EA 4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	394.40	34.81
33 14 13 13-0802 EA 4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	464.66	36.43
33 14 13 13-0803 EA 6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	510.18	46.18
33 14 13 13-0804 EA 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	570.90	48.01
33 14 13 13-0805 EA 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	700.60	53.78
33 14 13 13-0806 EA 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	927.35	55.52
33 14 13 13-0807 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	850.35	61.31
33 14 13 13-0808 EA 8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	957.88	65.35
33 14 13 13-0809 EA 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	1,372.42	60.29
33 14 13 13-0810 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	1,427.84	65.83
33 14 13 13-0811 EA 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	1,599.39	69.70



**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 13-0812	EA 10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,747.19	73.02
33 14 13 13-0813	EA 12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,678.02	67.48
33 14 13 13-0814	EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,904.80	73.02
33 14 13 13-0815	EA 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,259.49	76.90
33 14 13 13-0816	EA 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,259.49	80.21
33 14 13 13-0817	EA 12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,079.74	84.09
33 14 13 13-0818	EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,480.05	85.19
33 14 13 13-0819	EA 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,856.17	89.06
33 14 13 13-0820	EA 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,777.25	92.38
33 14 13 13-0821	EA 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,052.68	96.25
33 14 13 13-0822	EA 14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,944.03	102.34
33 14 13 13-0823	EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,574.37	102.34
33 14 13 13-0824	EA 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,847.66	105.65
33 14 13 13-0825	EA 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,389.59	109.53
33 14 13 13-0826	EA 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,496.88	112.85
33 14 13 13-0827	EA 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,343.58	118.93
33 14 13 13-0828	EA 16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,099.41	127.79
33 14 13 13-0829	EA 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,656.61	131.10
33 14 13 13-0830	EA 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,948.12	134.42
33 14 13 13-0831	EA 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,229.78	137.74
33 14 13 13-0832	EA 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,535.21	141.62
33 14 13 13-0833	EA 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,578.64	147.70
33 14 13 13-0834	EA 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,626.86	156.00
33 14 13 13-0835	EA 18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,176.20	170.37
33 14 13 13-0836	EA 20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,285.66	187.52
33 14 13 13-0837	EA 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,380.09	191.40
33 14 13 13-0838	EA 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,835.27	194.71
33 14 13 13-0839	EA 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,286.35	198.59
33 14 13 13-0840	EA 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,332.99	204.67
33 14 13 13-0841	EA 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,386.57	212.97
33 14 13 13-0842	EA 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,271.50	227.36
33 14 13 13-0843	EA 20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,877.53	255.57
33 14 13 13-0844	EA 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,184.33	243.95
33 14 13 13-0845	EA 24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,250.92	247.82
33 14 13 13-0846	EA 24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,886.04	251.14
33 14 13 13-0847	EA 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,173.25	255.02
33 14 13 13-0848	EA 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,179.54	261.10
33 14 13 13-0849	EA 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,009.63	269.40
33 14 13 13-0850	EA 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,989.88	283.78
33 14 13 13-0851	EA 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,876.87	312.54
33 14 13 13-0852	EA 24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,663.43	340.76
33 14 13 13-0853	EA 30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	11,051.39	284.33
33 14 13 13-0854	EA 30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	12,438.56	288.20
33 14 13 13-0855	EA 30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	13,181.85	291.52
33 14 13 13-0856	EA 30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	13,926.41	295.40
33 14 13 13-0857	EA 30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	14,980.89	301.48
33 14 13 13-0858	EA 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	16,113.01	309.78
33 14 13 13-0859	EA 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	16,509.54	324.16
33 14 13 13-0860	EA 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	17,076.30	352.37
33 14 13 13-0861	EA 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	17,874.27	380.58
33 14 13 13-0862	EA 30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	19,391.34	401.05
33 14 13 13-0863	EA 36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	21,455.34	326.93
33 14 13 13-0864	EA 36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	22,307.41	333.01
33 14 13 13-0865	EA 36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	23,152.48	341.31
33 14 13 13-0866	EA 36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	24,786.06	355.69
33 14 13 13-0867	EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	26,447.43	383.90
33 14 13 13-0868	EA 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	29,358.55	412.12
33 14 13 13-0869	EA 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	32,935.24	432.58
33 14 13 13-0870	EA 36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	39,414.25	448.08
33 14 13 13-0871	EA 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	34,670.77	401.60
33 14 13 13-0872	EA 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	35,507.30	429.82
33 14 13 13-0873	EA 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	37,943.32	450.29
33 14 13 13-0874	EA 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	43,469.11	465.77
33 14 13 13-0875	EA 42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	51,389.93	474.63
33 14 13 13-0876	EA 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	34,149.91	429.82
33 14 13 13-0877	EA 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	38,723.29	458.03
33 14 13 13-0878	EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	41,286.77	477.95
33 14 13 13-0879	EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	47,145.65	493.98
33 14 13 13-0880	EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	61,872.94	502.84
33 14 13 13-0881	EA 48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	67,985.20	516.67

**33 14 13 13-0882 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee** (33 14 13 13-0617)

33 14 13 13-0883	EA 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	638.48	53.78
33 14 13 13-0884	EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	796.79	61.31
33 14 13 13-0885	EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,155.80	65.83



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0886 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,331.80	73.02
33 14 13 13-0887 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,767.81	85.19
33 14 13 13-0888 EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	2,154.52	102.34
33 14 13 13-0889 EA 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	2,537.37	131.10
33 14 13 13-0890 EA 20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	3,404.19	187.52
33 14 13 13-0891 EA 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	3,964.93	243.95
33 14 13 13-0892 EA 30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	7,282.40	284.33
<b>33 14 13 13-0893 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross</b> <small>(33 14 13 13-0617)</small>		
33 14 13 13-0894 EA 3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	351.04	41.53
33 14 13 13-0895 EA 4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	442.27	45.19
33 14 13 13-0896 EA 4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	558.87	45.69
33 14 13 13-0897 EA 6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	588.15	56.64
33 14 13 13-0898 EA 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	691.24	61.31
33 14 13 13-0899 EA 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	758.29	76.35
33 14 13 13-0900 EA 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	733.13	67.09
33 14 13 13-0901 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	862.30	82.12
33 14 13 13-0902 EA 8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	849.57	87.91
33 14 13 13-0903 EA 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	867.40	70.80
33 14 13 13-0904 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	968.79	85.19
33 14 13 13-0905 EA 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	1,157.03	90.72
33 14 13 13-0906 EA 10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	1,253.92	97.36
33 14 13 13-0907 EA 12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	1,122.94	76.90
33 14 13 13-0908 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	1,298.24	91.27
33 14 13 13-0909 EA 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	1,410.42	96.81
33 14 13 13-0910 EA 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	1,650.85	103.45
33 14 13 13-0911 EA 12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	1,890.33	109.53
33 14 13 13-0912 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	1,962.18	100.13
33 14 13 13-0913 EA 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	2,334.63	105.65
33 14 13 13-0914 EA 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	2,388.69	112.85
33 14 13 13-0915 EA 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	2,521.07	118.38
33 14 13 13-0916 EA 14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	2,796.22	127.79
33 14 13 13-0917 EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	2,195.74	113.40
33 14 13 13-0918 EA 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	2,518.92	118.38
33 14 13 13-0919 EA 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	3,048.53	125.57
33 14 13 13-0920 EA 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	3,414.39	131.66
33 14 13 13-0921 EA 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	4,159.73	140.51
33 14 13 13-0922 EA 16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	4,337.60	153.23
33 14 13 13-0923 EA 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	3,829.29	133.87
33 14 13 13-0924 EA 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	4,052.88	139.40
33 14 13 13-0925 EA 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	4,242.97	146.03
33 14 13 13-0926 EA 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	4,613.11	152.13
33 14 13 13-0927 EA 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	5,415.21	160.97
33 14 13 13-0928 EA 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	5,759.10	173.69
33 14 13 13-0929 EA 18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	6,005.65	194.71
33 14 13 13-0930 EA 20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	4,814.89	168.16
33 14 13 13-0931 EA 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	5,040.61	173.15
33 14 13 13-0932 EA 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	5,193.21	180.33
33 14 13 13-0933 EA 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	5,560.15	186.42
33 14 13 13-0934 EA 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	5,646.80	195.27
33 14 13 13-0935 EA 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	6,887.13	207.99
33 14 13 13-0936 EA 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	7,133.69	228.46
33 14 13 13-0937 EA 20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	7,688.72	262.75
33 14 13 13-0938 EA 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	6,603.09	210.21
33 14 13 13-0939 EA 24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	6,756.15	215.74
33 14 13 13-0940 EA 24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	7,016.76	222.37
33 14 13 13-0941 EA 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	7,241.25	228.46
33 14 13 13-0942 EA 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	7,362.17	237.31
33 14 13 13-0943 EA 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	7,634.28	250.03
33 14 13 13-0944 EA 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	10,215.72	271.06
33 14 13 13-0945 EA 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	10,733.27	304.80
33 14 13 13-0946 EA 24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	11,803.88	346.84
33 14 13 13-0947 EA 30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	10,274.57	279.36
33 14 13 13-0948 EA 30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	10,477.50	285.99
33 14 13 13-0949 EA 30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	10,677.36	292.08
33 14 13 13-0950 EA 30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	10,911.80	300.92
33 14 13 13-0951 EA 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	11,178.57	314.20
33 14 13 13-0952 EA 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	11,484.04	334.68
33 14 13 13-0953 EA 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	11,863.43	368.42
33 14 13 13-0954 EA 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	15,334.24	411.01
33 14 13 13-0955 EA 30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	17,629.68	474.63
33 14 13 13-0956 EA 36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	14,455.09	302.59

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0957 EA 36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	14,655.89	309.23
33 14 13 13-0958 EA 36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	14,828.97	315.31
33 14 13 13-0959 EA 36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	15,033.44	324.71
33 14 13 13-0960 EA 36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	15,271.27	337.44
33 14 13 13-0961 EA 36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	15,547.83	357.91
33 14 13 13-0962 EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	15,900.43	392.20
33 14 13 13-0963 EA 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	16,537.28	434.25
33 14 13 13-0964 EA 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	22,390.72	497.86
33 14 13 13-0965 EA 36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	24,635.88	521.64
33 14 13 13-0966 EA 42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	19,504.29	329.14
33 14 13 13-0967 EA 42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	19,909.04	337.99
33 14 13 13-0968 EA 42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	20,139.39	351.27
33 14 13 13-0969 EA 42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	20,456.65	371.74
33 14 13 13-0970 EA 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	21,030.96	406.03
33 14 13 13-0971 EA 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	22,265.44	448.08
33 14 13 13-0972 EA 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	27,090.68	511.69
33 14 13 13-0973 EA 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	35,560.72	534.92
33 14 13 13-0974 EA 42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	38,137.90	548.75
33 14 13 13-0975 EA 48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	26,453.55	383.35
33 14 13 13-0976 EA 48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	26,623.75	392.20
33 14 13 13-0977 EA 48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	26,850.88	404.92
33 14 13 13-0978 EA 48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	27,091.01	425.39
33 14 13 13-0979 EA 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	27,405.06	459.69
33 14 13 13-0980 EA 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	27,963.72	501.73
33 14 13 13-0981 EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	29,549.07	565.34
33 14 13 13-0982 EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	36,346.16	589.13
33 14 13 13-0983 EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	46,940.05	602.96
33 14 13 13-0984 EA 48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	49,971.44	656.62

**33 14 13 13-0985 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducers** (33 14 13 13-0617)

33 14 13 13-0986 EA 4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	253.79	22.60
33 14 13 13-0987 EA 6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	356.73	28.32
33 14 13 13-0988 EA 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	392.71	30.08
33 14 13 13-0989 EA 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	518.50	34.13
33 14 13 13-0990 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	536.76	39.90
33 14 13 13-0991 EA 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	638.30	35.96
33 14 13 13-0992 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	665.87	41.49
33 14 13 13-0993 EA 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	691.76	45.36
33 14 13 13-0994 EA 12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	739.15	39.82
33 14 13 13-0995 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	817.07	45.36
33 14 13 13-0996 EA 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	829.02	48.68
33 14 13 13-0997 EA 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	865.42	52.55
33 14 13 13-0998 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,288.91	51.45
33 14 13 13-0999 EA 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,294.44	54.76
33 14 13 13-1000 EA 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,120.92	58.64
33 14 13 13-1001 EA 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,142.53	61.96
33 14 13 13-1002 EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,545.98	59.75
33 14 13 13-1003 EA 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,496.90	63.61
33 14 13 13-1004 EA 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,401.56	66.94
33 14 13 13-1005 EA 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,382.46	70.26
33 14 13 13-1006 EA 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,565.12	76.34
33 14 13 13-1007 EA 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,673.86	77.44
33 14 13 13-1008 EA 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,891.27	81.31
33 14 13 13-1009 EA 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,802.56	84.63
33 14 13 13-1010 EA 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,160.86	90.72



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1011 EA 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,881.35	99.57
33 14 13 13-1012 EA 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,227.77	106.21
33 14 13 13-1013 EA 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,243.82	109.53
33 14 13 13-1014 EA 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,030.87	113.40
33 14 13 13-1015 EA 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,026.09	119.48
33 14 13 13-1016 EA 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,970.43	127.79
33 14 13 13-1017 EA 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,335.90	142.17
33 14 13 13-1018 EA 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,802.05	141.62
33 14 13 13-1019 EA 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,841.19	147.70
33 14 13 13-1020 EA 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,888.35	156.00
33 14 13 13-1021 EA 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,835.04	170.37
33 14 13 13-1022 EA 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,268.98	198.59
33 14 13 13-1023 EA 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,157.29	175.91
33 14 13 13-1024 EA 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,372.82	190.30
33 14 13 13-1025 EA 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,156.65	219.06
33 14 13 13-1026 EA 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,336.27	247.27
33 14 13 13-1027 EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	6,800.99	234.55
33 14 13 13-1028 EA 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	6,296.57	262.75
33 14 13 13-1029 EA 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	6,721.19	283.23
33 14 13 13-1030 EA 42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	10,143.76	200.81
33 14 13 13-1031 EA 42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	10,075.47	215.18
33 14 13 13-1032 EA 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	10,085.27	243.40
33 14 13 13-1033 EA 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	10,469.83	271.61
33 14 13 13-1034 EA 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	8,516.72	292.08
33 14 13 13-1035 EA 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	8,911.16	307.56
33 14 13 13-1036 EA 48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	12,805.14	214.63
33 14 13 13-1037 EA 48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	12,379.10	229.01
33 14 13 13-1038 EA 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	11,734.51	257.23
33 14 13 13-1039 EA 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	12,065.50	285.99
33 14 13 13-1040 EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	14,479.04	305.91
33 14 13 13-1041 EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	12,489.34	321.39
33 14 13 13-1042 EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	13,749.37	330.25
<b>33 14 13 13-1043 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps</b>		
33 14 13 13-1044 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	219.02	47.71
33 14 13 13-1045 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	264.75	56.10
33 14 13 13-1046 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	393.07	69.98
33 14 13 13-1047 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	533.53	79.81
33 14 13 13-1048 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	703.85	121.70
33 14 13 13-1049 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	897.34	132.76
33 14 13 13-1050 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	1,022.41	146.03
33 14 13 13-1051 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	1,251.57	162.08
33 14 13 13-1052 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	1,469.72	182.55
33 14 13 13-1053 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	1,778.07	208.54
33 14 13 13-1054 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	2,291.30	243.40
33 14 13 13-1055 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	4,228.67	292.08
33 14 13 13-1056 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	6,985.85	365.10
33 14 13 13-1057 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	10,110.38	438.11
33 14 13 13-1058 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps.....	12,055.24	486.79

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1059			<b>Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug</b> <small>(33 14 13 13-0617)</small>		
33 14 13 13-1060	EA		3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	220.09	47.71
33 14 13 13-1061	EA		4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	275.47	56.10
33 14 13 13-1062	EA		6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	420.92	69.98
33 14 13 13-1063	EA		8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	561.38	79.81
33 14 13 13-1064	EA		10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	863.44	121.70
33 14 13 13-1065	EA		12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	933.75	132.76
33 14 13 13-1066	EA		14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,254.82	146.03
33 14 13 13-1067	EA		16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,520.40	162.08
33 14 13 13-1068	EA		18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,813.52	182.55
33 14 13 13-1069	EA		20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	2,242.90	208.54
33 14 13 13-1070	EA		24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	2,953.20	243.40
33 14 13 13-1071	EA		30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	5,143.33	292.08
33 14 13 13-1072	EA		36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	7,554.57	365.10
33 14 13 13-1073	EA		42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	10,182.14	438.11
33 14 13 13-1074	EA		48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	13,577.19	486.79
33 14 13 13-1075			<b>Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters</b> <small>(33 14 13 13-0617)</small>		
33 14 13 13-1076	EA		3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	295.17	72.52
33 14 13 13-1077	EA		4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	396.07	83.86
33 14 13 13-1078	EA		6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	549.98	105.26
33 14 13 13-1079	EA		8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	731.21	119.72
33 14 13 13-1080	EA		10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,077.72	182.55
33 14 13 13-1081	EA		12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,295.66	199.14
33 14 13 13-1082	EA		14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,713.54	219.06
33 14 13 13-1083	EA		16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,947.49	243.40
33 14 13 13-1084	EA		18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	2,576.24	273.82
33 14 13 13-1085	EA		20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	2,990.02	313.10
33 14 13 13-1086	EA		24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	3,625.99	365.10
33 14 13 13-1087	EA		30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	5,767.32	438.11
33 14 13 13-1088	EA		36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	7,867.56	547.64
33 14 13 13-1089	EA		42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	10,760.10	625.64
33 14 13 13-1090	EA		48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	13,395.46	730.19
33 14 13 13-1091			<b>Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves</b> <small>(33 14 13 13-0617)</small>		
33 14 13 13-1092	EA		3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	308.02	72.52
33 14 13 13-1093	EA		4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	380.01	83.86
33 14 13 13-1094	EA		6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	568.19	105.26
33 14 13 13-1095	EA		8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	780.48	119.72
33 14 13 13-1096	EA		10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	1,009.17	182.55
33 14 13 13-1097	EA		12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	1,231.39	199.14
33 14 13 13-1098	EA		14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	1,576.45	219.06
33 14 13 13-1099	EA		16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	1,874.66	243.40
33 14 13 13-1100	EA		18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	2,246.36	273.82
33 14 13 13-1101	EA		20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	2,618.37	313.10
33 14 13 13-1102	EA		24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	3,285.40	365.10
33 14 13 13-1103	EA		30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	5,590.59	438.11
33 14 13 13-1104	EA		36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	7,277.42	547.64
33 14 13 13-1105	EA		42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	9,514.46	625.09
33 14 13 13-1106	EA		48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves.....	14,225.52	730.19
33 14 13 13-1107			<b>Push-On Joint Ductile Iron Piping</b> <small>(33 14 13 13-0001)</small>		
33 14 13 13-1108			<b>Push-On Joint Ductile Iron Pipe</b> <small>(33 14 13 13-1107)</small> Note: conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.		



<b>Utilities</b>	<b>33</b>	<b>33</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1109 LF 4", Class 50, Push-On Joint Ductile Iron Pipe.....	19.88	4.77
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	8.86	
For Cement Mortar Lining (CML), Add	1.27	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	6.83	
For Fusion Bonded Epoxy Lining (206N), Add	2.28	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	0.95	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-0.99	
For Class 51, Add	1.18	
For Class 52, Add	2.65	
For Class 53, Add	7.05	
For Class 54, Add	10.06	
For Class 55, Add	11.56	
For Class 56, Add	13.05	
33 14 13 13-1110 LF 6", Class 50, Push-On Joint Ductile Iron Pipe.....	21.82	5.27
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	9.72	
For Cement Mortar Lining (CML), Add	1.39	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	7.50	
For Fusion Bonded Epoxy Lining (206N), Add	2.50	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.04	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-1.09	
For Class 51, Add	1.30	
For Class 52, Add	2.91	
For Class 53, Add	7.74	
For Class 54, Add	11.04	
For Class 55, Add	12.70	
For Class 56, Add	14.33	
33 14 13 13-1111 LF 8", Class 50, Push-On Joint Ductile Iron Pipe.....	27.65	5.79
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	13.29	
For Cement Mortar Lining (CML), Add	1.90	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	10.25	
For Fusion Bonded Epoxy Lining (206N), Add	3.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.42	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-1.38	
For Class 51, Add	1.75	
For Class 52, Add	3.92	
For Class 53, Add	10.50	
For Class 54, Add	14.98	
For Class 55, Add	17.22	
For Class 56, Add	19.41	
33 14 13 13-1112 LF 10", Class 50, Push-On Joint Ductile Iron Pipe.....	39.23	8.24
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	16.07	
For Cement Mortar Lining (CML), Add	2.68	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	13.39	
For Fusion Bonded Epoxy Lining (206N), Add	4.82	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.01	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-1.96	
For Class 51, Add	2.47	
For Class 52, Add	5.54	
For Class 53, Add	14.82	
For Class 54, Add	21.15	
For Class 55, Add	24.30	
For Class 56, Add	27.41	
33 14 13 13-1113 LF 12", Class 50, Push-On Joint Ductile Iron Pipe.....	45.75	9.13
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	15.96	
For Cement Mortar Lining (CML), Add	3.19	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	12.77	
For Fusion Bonded Epoxy Lining (206N), Add	5.75	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.39	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-2.29	
For Class 51, Add	2.93	
For Class 52, Add	6.57	
For Class 53, Add	17.62	
For Class 54, Add	25.15	
For Class 55, Add	28.91	
For Class 56, Add	32.59	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1114 LF 14", Class 50, Push-On Joint Ductile Iron Pipe.....	56.23	10.29
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	17.90	
For Cement Mortar Lining (CML), Add	4.07	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	13.83	
For Fusion Bonded Epoxy Lining (206N), Add	7.32	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.05	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-2.81	
For Class 51, Add	3.71	
For Class 52, Add	8.33	
For Class 53, Add	22.39	
For Class 54, Add	31.96	
For Class 55, Add	36.72	
For Class 56, Add	41.39	
33 14 13 13-1115 LF 16", Class 50, Push-On Joint Ductile Iron Pipe.....	66.89	11.73
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	20.14	
For Cement Mortar Lining (CML), Add	4.91	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	15.23	
For Fusion Bonded Epoxy Lining (206N), Add	8.84	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.68	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-3.34	
For Class 51, Add	4.46	
For Class 52, Add	10.03	
For Class 53, Add	26.99	
For Class 54, Add	38.54	
For Class 55, Add	44.27	
For Class 56, Add	49.90	
33 14 13 13-1116 LF 18", Class 50, Push-On Joint Ductile Iron Pipe.....	77.80	13.72
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	23.39	
For Cement Mortar Lining (CML), Add	5.71	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	17.69	
For Fusion Bonded Epoxy Lining (206N), Add	10.27	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.28	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-3.89	
For Class 51, Add	5.18	
For Class 52, Add	11.65	
For Class 53, Add	31.36	
For Class 54, Add	44.77	
For Class 55, Add	51.42	
For Class 56, Add	57.96	
33 14 13 13-1117 LF 20", Class 50, Push-On Joint Ductile Iron Pipe.....	89.44	16.43
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	24.53	
For Cement Mortar Lining (CML), Add	6.45	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	18.07	
For Fusion Bonded Epoxy Lining (206N), Add	11.62	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.84	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-4.47	
For Class 51, Add	5.88	
For Class 52, Add	13.21	
For Class 53, Add	35.52	
For Class 54, Add	50.71	
For Class 55, Add	58.25	
For Class 56, Add	65.67	
33 14 13 13-1118 LF 24", Class 50, Push-On Joint Ductile Iron Pipe.....	113.26	20.53
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	25.46	
For Cement Mortar Lining (CML), Add	8.21	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	17.25	
For Fusion Bonded Epoxy Lining (206N), Add	14.78	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.16	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-5.66	
For Class 51, Add	7.48	
For Class 52, Add	16.80	
For Class 53, Add	45.18	
For Class 54, Add	64.49	
For Class 55, Add	74.09	
For Class 56, Add	83.51	



<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1119 LF 30", Class 50, Push-On Joint Ductile Iron Pipe.....	135.40	21.91
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	31.69	
For Cement Mortar Lining (CML), Add	10.22	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	18.40	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.67	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-6.77	
For Class 51, Add	9.24	
For Class 52, Add	20.77	
For Class 53, Add	56.02	
For Class 54, Add	79.99	
For Class 55, Add	91.87	
For Class 56, Add	103.52	
33 14 13 13-1120 LF 36", Class 50, Push-On Joint Ductile Iron Pipe.....	169.85	23.29
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	41.71	
For Cement Mortar Lining (CML), Add	13.46	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	24.22	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.09	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-8.49	
For Class 51, Add	12.05	
For Class 52, Add	27.13	
For Class 53, Add	73.43	
For Class 54, Add	104.89	
For Class 55, Add	120.42	
For Class 56, Add	135.66	
33 14 13 13-1121 LF 42", Class 50, Push-On Joint Ductile Iron Pipe.....	208.92	24.67
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	53.19	
For Cement Mortar Lining (CML), Add	17.16	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	30.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.87	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-10.45	
For Class 51, Add	15.27	
For Class 52, Add	34.41	
For Class 53, Add	93.35	
For Class 54, Add	133.37	
For Class 55, Add	153.07	
For Class 56, Add	172.41	
33 14 13 13-1122 LF 48", Class 50, Push-On Joint Ductile Iron Pipe.....	253.35	25.99
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	66.31	
For Cement Mortar Lining (CML), Add	21.39	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	38.50	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.04	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-12.67	
For Class 51, Add	18.95	
For Class 52, Add	42.72	
For Class 53, Add	116.11	
For Class 54, Add	165.91	
For Class 55, Add	190.38	
For Class 56, Add	214.40	
33 14 13 13-1123 LF 54", Class 50, Push-On Joint Ductile Iron Pipe.....	324.04	27.39
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	87.59	
For Cement Mortar Lining (CML), Add	28.26	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	50.86	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	21.19	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-16.20	
For Class 51, Add	24.90	
For Class 52, Add	56.16	
For Class 53, Add	152.97	
For Class 54, Add	218.62	
For Class 55, Add	250.81	
For Class 56, Add	282.41	
<b>33 14 13 13-1124 Push-On Joint Ductile Iron 90 Degree Elbow (33 14 13 13-1107)</b>		
33 14 13 13-1125 EA 4" 90 Degree Elbow, Push-On Joint Ductile Iron .....	137.04	18.62
For Cement Mortar Lining (CML), Add	10.88	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	19.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.16	
Note: ANSI/AWWA C151/A21.51		



**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1126 EA 6" 90 Degree Elbow, Push-On Joint Ductile Iron .....	198.50	27.48
For Cement Mortar Lining (CML), Add	15.69	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	28.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.76	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1127 EA 8" 90 Degree Elbow, Push-On Joint Ductile Iron .....	267.04	32.62
For Cement Mortar Lining (CML), Add	21.76	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	39.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.32	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1128 EA 10" 90 Degree Elbow, Push-On Joint Ductile Iron .....	404.22	36.40
For Cement Mortar Lining (CML), Add	32.89	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	59.21	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.67	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1129 EA 12" 90 Degree Elbow, Push-On Joint Ductile Iron .....	523.46	42.71
For Cement Mortar Lining (CML), Add	43.52	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	78.34	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	32.64	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1130 EA 14" 90 Degree Elbow, Push-On Joint Ductile Iron .....	1,053.49	47.90
For Cement Mortar Lining (CML), Add	95.45	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	171.80	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	71.58	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1131 EA 16" 90 Degree Elbow, Push-On Joint Ductile Iron .....	1,190.67	54.76
For Cement Mortar Lining (CML), Add	107.75	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	193.95	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	80.81	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1132 EA 18" 90 Degree Elbow, Push-On Joint Ductile Iron .....	1,858.82	76.67
For Cement Mortar Lining (CML), Add	170.04	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	306.08	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	127.53	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1133 EA 20" 90 Degree Elbow, Push-On Joint Ductile Iron .....	2,087.35	96.64
For Cement Mortar Lining (CML), Add	189.41	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	340.94	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	142.06	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1134 EA 24" 90 Degree Elbow, Push-On Joint Ductile Iron .....	2,606.33	120.82
For Cement Mortar Lining (CML), Add	236.48	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	425.66	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	177.36	
Note: ANSI/AWWA C151/A21.51		
<b>33 14 13 13-1135 Push-On Joint Ductile Iron 45 Degree Elbow</b> (33 14 13 13-1107)		
33 14 13 13-1136 EA 4" 45 Degree Elbow, Push-On Joint Ductile Iron .....	112.29	18.62
For Cement Mortar Lining (CML), Add	8.41	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	15.13	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.31	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1137 EA 6" 45 Degree Elbow, Push-On Joint Ductile Iron .....	165.23	27.48
For Cement Mortar Lining (CML), Add	12.36	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	22.25	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.27	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1138 EA 8" 45 Degree Elbow, Push-On Joint Ductile Iron .....	231.24	32.62
For Cement Mortar Lining (CML), Add	18.18	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	32.72	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.63	
Note: ANSI/AWWA C151/A21.51		



	<b>Utilities</b>	<b>33</b>
	<b>Water Utilities</b>	<b>33 10</b>
	<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1139 EA 10" 45 Degree Elbow, Push-On Joint Ductile Iron .....	354.80	36.40
For Cement Mortar Lining (CML), Add	27.95	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	50.31	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	20.96	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1140 EA 12" 45 Degree Elbow, Push-On Joint Ductile Iron .....	460.48	42.71
For Cement Mortar Lining (CML), Add	37.22	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	67.00	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	27.92	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1141 EA 14" 45 Degree Elbow, Push-On Joint Ductile Iron .....	660.23	47.90
For Cement Mortar Lining (CML), Add	56.12	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	101.01	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	42.09	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1142 EA 16" 45 Degree Elbow, Push-On Joint Ductile Iron .....	984.75	54.76
For Cement Mortar Lining (CML), Add	87.16	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	156.89	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	65.37	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1143 EA 18" 45 Degree Elbow, Push-On Joint Ductile Iron .....	1,126.28	76.67
For Cement Mortar Lining (CML), Add	96.79	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	174.22	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	72.59	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1144 EA 20" 45 Degree Elbow, Push-On Joint Ductile Iron .....	1,585.81	96.64
For Cement Mortar Lining (CML), Add	139.26	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	250.66	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	104.44	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1145 EA 24" 45 Degree Elbow, Push-On Joint Ductile Iron .....	1,967.54	120.82
For Cement Mortar Lining (CML), Add	172.60	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	310.67	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	129.45	
Note: ANSI/AWWA C151/A21.51		
<b>33 14 13 13-1146 Push-On Joint Ductile Iron Tee (33 14 13 13-1107)</b>		
33 14 13 13-1147 EA 4" Tee, Push-On Joint Ductile Iron.....	209.90	27.48
For Cement Mortar Lining (CML), Add	16.83	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	30.29	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.62	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1148 EA 6" Tee, Push-On Joint Ductile Iron.....	291.43	40.36
For Cement Mortar Lining (CML), Add	23.02	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	41.44	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.27	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1149 EA 8" Tee, Push-On Joint Ductile Iron.....	400.61	48.93
For Cement Mortar Lining (CML), Add	32.64	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	58.75	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.48	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1150 EA 10" Tee, Push-On Joint Ductile Iron.....	596.60	55.32
For Cement Mortar Lining (CML), Add	51.36	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	92.45	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	38.52	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1151 EA 12" Tee, Push-On Joint Ductile Iron.....	744.53	63.79
For Cement Mortar Lining (CML), Add	64.77	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	116.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	48.58	
Note: ANSI/AWWA C151/A21.51		

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1152 EA 14" Tee, Push-On Joint Ductile Iron.....	1,208.75	76.67
For Cement Mortar Lining (CML), Add	109.26	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	196.67	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	81.94	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1153 EA 16" Tee, Push-On Joint Ductile Iron.....	1,752.70	95.86
For Cement Mortar Lining (CML), Add	160.75	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	289.35	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	120.56	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1154 EA 18" Tee, Push-On Joint Ductile Iron.....	2,200.22	127.89
For Cement Mortar Lining (CML), Add	200.64	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	361.16	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	150.48	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1155 EA 20" Tee, Push-On Joint Ductile Iron.....	2,590.80	156.05
For Cement Mortar Lining (CML), Add	235.44	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	423.79	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	176.58	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1156 EA 24" Tee, Push-On Joint Ductile Iron.....	3,396.76	195.05
For Cement Mortar Lining (CML), Add	310.13	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	558.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	232.59	
Note: ANSI/AWWA C151/A21.51		
<b>33 14 13 13-1157 Flanged End x Push-On Joint Ductile Iron Adapters</b> <small>(33 14 13 13-1107)</small>		
33 14 13 13-1158 EA 4" Flanged End x Push-On Joint Adapter, Ductile Iron.....	235.01	64.60
For Cement Mortar Lining (CML), Add	13.71	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	24.69	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.29	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1159 EA 6" Flanged End x Push-On Joint Adapter, Ductile Iron.....	287.41	79.98
For Cement Mortar Lining (CML), Add	16.62	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	29.92	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.47	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1160 EA 8" Flanged End x Push-On Joint Adapter, Ductile Iron.....	380.33	93.29
For Cement Mortar Lining (CML), Add	23.90	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	43.01	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.92	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1161 EA 10" Flanged End x Push-On Joint Adapter, Ductile Iron.....	519.13	136.91
For Cement Mortar Lining (CML), Add	31.17	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	56.10	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	23.38	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1162 EA 12" Flanged End x Push-On Joint Adapter, Ductile Iron.....	631.88	156.50
For Cement Mortar Lining (CML), Add	39.48	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	71.06	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	29.61	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1163 EA 14" Flanged End x Push-On Joint Adapter, Ductile Iron.....	733.23	168.50
For Cement Mortar Lining (CML), Add	47.79	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	86.03	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.84	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1164 EA 16" Flanged End x Push-On Joint Adapter, Ductile Iron.....	879.17	182.55
For Cement Mortar Lining (CML), Add	60.26	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	108.47	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	45.19	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1165 EA 18" Flanged End x Push-On Joint Adapter, Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,038.39 70.65 127.17 52.99	219.06
33 14 13 13-1166 EA 20" Flanged End x Push-On Joint Adapter, Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,210.33 84.16 151.48 63.12	243.40
33 14 13 13-1167 EA 24" Flanged End x Push-On Joint Adapter, Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,526.81 110.13 198.23 82.60	280.85
33 14 13 13-1168 EA 30" Flanged End x Push-On Joint Adapter, Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,487.12 197.65 355.77 148.24	336.99
33 14 13 13-1169 EA 36" Flanged End x Push-On Joint Adapter, Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,458.41 282.01 507.62 211.51	421.24
33 14 13 13-1170 EA 42" Flanged End x Push-On Joint Adapter, Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,389.28 365.17 657.31 273.88	486.79
33 14 13 13-1171 EA 48" Flanged End x Push-On Joint Adapter, Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,600.32 465.20 837.36 348.90	625.87
33 14 13 13-1172 EA 54" Flanged End x Push-On Joint Adapter, Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,815.90 570.93 1,027.67 428.19	730.35
<b>33 14 13 13-1173 Push-On Joint Ductile Iron Pipe And Fitting Restraints</b> <small>(33 14 13 13-1107)</small> Note: Includes ductile iron follower gland, restraint ring and all nuts and bolts. Excludes pipe and fitting.		
33 14 13 13-1174 EA 4" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	27.07	10.06
33 14 13 13-1175 EA 6" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	35.29	13.12
33 14 13 13-1176 EA 8" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	46.09	13.53
33 14 13 13-1177 EA 10" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	54.80	14.38
33 14 13 13-1178 EA 12" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	65.39	15.97
33 14 13 13-1179 EA 14" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	82.95	17.97
33 14 13 13-1180 EA 16" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	97.98	20.54
33 14 13 13-1181 EA 18" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	110.60	22.25
33 14 13 13-1182 EA 20" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	128.82	26.70
33 14 13 13-1183 EA 24" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	155.63	27.73
33 14 13 13-1184 EA 30" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	200.57	30.81
33 14 13 13-1185 EA 36" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	263.10	33.37
33 14 13 13-1186 EA 42" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	325.84	36.51
33 14 13 13-1187 EA 48" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	384.87	41.08
33 14 13 13-1188 EA 54" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	534.35	44.55
<b>33 14 13 13-1189 Push-On Joint Ductile Iron Bell Restraint Harness (MEGALUG® 1700 Series)</b> <small>(33 14 13 13-1107)</small>		
33 14 13 13-1190 EA 4" Bell Restraint Harness, Ductile Iron (MEGALUG® 170400) .....	140.21	37.34
33 14 13 13-1191 EA 6" Bell Restraint Harness, Ductile Iron (MEGALUG® 170600) .....	187.47	45.59
33 14 13 13-1192 EA 8" Bell Restraint Harness, Ductile Iron (MEGALUG® 170800) .....	243.29	55.59
33 14 13 13-1193 EA 10" Bell Restraint Harness, Ductile Iron (MEGALUG® 171000) .....	376.39	67.81
33 14 13 13-1194 EA 12" Bell Restraint Harness, Ductile Iron (MEGALUG® 171200) .....	467.67	82.70

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1195 EA 14" Bell Restraint Harness, Ductile Iron (MEGALUG® 171400).....	831.84	100.89
33 14 13 13-1196 EA 16" Bell Restraint Harness, Ductile Iron (MEGALUG® 171600).....	944.79	123.13
33 14 13 13-1197 EA 18" Bell Restraint Harness, Ductile Iron (MEGALUG® 171800).....	1,066.03	150.19
33 14 13 13-1198 EA 20" Bell Restraint Harness, Ductile Iron (MEGALUG® 172000).....	1,462.14	183.27
33 14 13 13-1199 EA 24" Bell Restraint Harness, Ductile Iron (MEGALUG® 172400).....	1,871.03	223.54
33 14 13 13-1200 EA 30" Bell Restraint Harness, Ductile Iron (MEGALUG® 173000).....	3,299.16	272.77
33 14 13 13-1201 EA 36" Bell Restraint Harness, Ductile Iron (MEGALUG® 173600).....	4,714.44	332.74
33 14 13 13-1202 EA 42" Bell Restraint Harness, Ductile Iron (MEGALUG® 174200).....	8,686.37	405.97
33 14 13 13-1203 EA 48" Bell Restraint Harness, Ductile Iron (MEGALUG® 174800).....	11,255.93	495.26
<b>33 14 13 13-1204 Ductile Iron Pipe Repair</b> (33 14 13 13-0001) See CSI section 33 14 13 13-0002 for mechanical joint fittings.		
<b>33 14 13 13-1205 Ductile Iron Pipe Repair</b> (33 14 13 13-1204) Note: Includes two transition sleeves, mechanical joint ductile iron sleeve and 16' of ductile iron pipe.		
33 14 13 13-1206 EA 30" Diameter Mechanical Ductile Iron Push Joint.....	2,041.54	
33 14 13 13-1207 EA 36" Diameter Mechanical Ductile Iron Push Joint.....	2,608.33	
33 14 13 13-1208 EA 42" Diameter Mechanical Ductile Iron Push Joint.....	3,348.66	
33 14 13 13-1209 EA 48" Diameter Mechanical Ductile Iron Push Joint.....	4,217.04	
33 14 13 13-1210 EA 54" Diameter Mechanical Ductile Iron Push Joint.....	6,160.93	
<b>33 14 13 13-1211 WEKO Seals</b> (33 14 13 13-1204) Note: Internal joint seal.		
33 14 13 13-1212 EA 16" WEKO Internal Joint Seal.....	1,228.08	115.98
For Extra Wide Seals, Add	78.79	
33 14 13 13-1213 EA 18" WEKO Internal Joint Seal.....	1,308.60	122.47
For Extra Wide Seals, Add	79.28	
33 14 13 13-1214 EA 20" WEKO Internal Joint Seal.....	1,389.04	128.95
For Extra Wide Seals, Add	79.77	
33 14 13 13-1215 EA 24" WEKO Internal Joint Seal.....	1,470.99	139.27
For Extra Wide Seals, Add	80.55	
33 14 13 13-1216 EA 30" WEKO Internal Joint Seal.....	1,517.08	149.58
For Extra Wide Seals, Add	81.33	
33 14 13 13-1217 EA 36" WEKO Internal Joint Seal.....	1,590.38	162.48
For Extra Wide Seals, Add	82.31	
33 14 13 13-1218 EA 42" WEKO Internal Joint Seal.....	1,694.48	177.95
For Extra Wide Seals, Add	83.48	
33 14 13 13-1219 EA 48" WEKO Internal Joint Seal.....	1,830.52	190.85
For Extra Wide Seals, Add	84.46	
33 14 13 13-1220 EA 54" WEKO Internal Joint Seal.....	1,898.13	201.16
For Extra Wide Seals, Add	85.24	
33 14 13 13-1221 EA 60" WEKO Internal Joint Seal.....	1,977.14	216.64
For Extra Wide Seals, Add	86.41	
<b>33 14 13 23 Plastic Public Water Utility Distribution Piping</b> (33 14 13)		
<b>33 14 13 23-0001 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Piping</b> (33 14 13 23)		
<b>33 14 13 23-0002 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe</b> (33 14 13 23-0001)		
33 14 13 23-0003 LF 3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	1.37	0.46
For >1,000, Deduct	-0.07	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.04	
33 14 13 23-0004 LF 1" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	1.53	0.49
For >1,000, Deduct	-0.08	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.05	
33 14 13 23-0005 LF 1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	1.83	0.53
For >1,000, Deduct	-0.09	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.08	
33 14 13 23-0006 LF 1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	2.15	0.59
For >1,000, Deduct	-0.11	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.10	
33 14 13 23-0007 LF 2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	2.90	0.66
For >1,000, Deduct	-0.15	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.19	
33 14 13 23-0008 LF 2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	3.87	0.74
For >1,000, Deduct	-0.19	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.30	
33 14 13 23-0009 LF 3" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	4.70	0.79
For >1,000, Deduct	-0.24	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.41	
33 14 13 23-0010 LF 4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	6.89	0.98
For >1,000, Deduct	-0.34	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.67	
33 14 13 23-0011 LF 6" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	12.82	1.25
For >1,000, Deduct	-0.64	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.46	
33 14 13 23-0012 LF 8" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	21.16	1.89
For >1,000, Deduct	-1.06	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	2.47	
33 14 13 23-0013 LF 10" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	31.87	2.52
For >1,000, Deduct	-1.59	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	3.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0014 LF 12" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For &gt;1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	44.52 -2.23 5.41	3.39
<b>33 14 13 23-0015 90 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0001)</b>		
33 14 13 23-0016 EA 3/4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	13.85	5.44
33 14 13 23-0017 EA 1" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	17.58	6.79
33 14 13 23-0018 EA 1-1/4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	22.23	8.49
33 14 13 23-0019 EA 1-1/2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	37.62	9.39
33 14 13 23-0020 EA 2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	40.33	10.53
33 14 13 23-0021 EA 2-1/2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	48.33	11.95
33 14 13 23-0022 EA 3" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	52.57	12.74
33 14 13 23-0023 EA 4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	75.82	15.64
33 14 13 23-0024 EA 6" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	112.99	19.87
33 14 13 23-0025 EA 8" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	191.73	26.09
33 14 13 23-0026 EA 10" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	231.75	34.90
33 14 13 23-0027 EA 12" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	305.16	46.97
<b>33 14 13 23-0028 45 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0001)</b>		
33 14 13 23-0029 EA 3/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	14.23	5.44
33 14 13 23-0030 EA 1" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	17.85	6.79
33 14 13 23-0031 EA 1-1/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	22.39	8.49
33 14 13 23-0032 EA 1-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	32.65	9.39
33 14 13 23-0033 EA 2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	40.79	10.53
33 14 13 23-0034 EA 2-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	50.21	11.95
33 14 13 23-0035 EA 3" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	51.78	12.74
33 14 13 23-0036 EA 4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	74.11	15.64
33 14 13 23-0037 EA 6" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	109.54	19.87
33 14 13 23-0038 EA 8" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	185.16	26.09
33 14 13 23-0039 EA 10" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	204.51	34.90
33 14 13 23-0040 EA 12" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	267.46	46.97
<b>33 14 13 23-0041 Tees Or Wyes, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0001)</b>		
33 14 13 23-0042 EA 3/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	20.75	8.15
33 14 13 23-0043 EA 1" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	26.27	10.25
33 14 13 23-0044 EA 1-1/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	33.01	12.79
33 14 13 23-0045 EA 1-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	50.31	14.15
33 14 13 23-0046 EA 2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	57.68	15.74
33 14 13 23-0047 EA 2-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	67.66	17.94
33 14 13 23-0048 EA 3" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	80.97	19.05
33 14 13 23-0049 EA 4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	108.66	23.48
33 14 13 23-0050 EA 6" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	193.29	29.85
33 14 13 23-0051 EA 8" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	297.74	39.12
33 14 13 23-0052 EA 10" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	352.75	60.43
33 14 13 23-0053 EA 12" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	434.82	81.31
<b>33 14 13 23-0054 Couplings, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0001)</b>		
33 14 13 23-0055 EA 3/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	9.30	3.62
33 14 13 23-0056 EA 1" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	12.58	4.87
33 14 13 23-0057 EA 1-1/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	16.94	6.39
33 14 13 23-0058 EA 1-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	25.95	7.08
33 14 13 23-0059 EA 2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	28.50	7.87
33 14 13 23-0060 EA 2-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	32.42	8.95
33 14 13 23-0061 EA 3" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	36.34	9.53
33 14 13 23-0062 EA 4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	51.84	11.72
33 14 13 23-0063 EA 6" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	76.81	14.93
33 14 13 23-0064 EA 8" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	138.95	19.56
33 14 13 23-0065 EA 10" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	165.68	30.24
33 14 13 23-0066 EA 12" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	208.79	40.66
<b>33 14 13 23-0067 Schedule 40 Polyvinyl Chloride (PVC) Pipe And Fittings (33 14 13 23)</b>		
<b>33 14 13 23-0068 Schedule 40 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0067)</b>		
33 14 13 23-0069 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe ..... <i>For &gt;1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	1.56 -0.08 0.06	0.46
33 14 13 23-0070 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe ..... <i>For &gt;1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	1.90 -0.10 0.10	0.49
33 14 13 23-0071 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe ..... <i>For &gt;1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	2.49 -0.12 0.15	0.59
33 14 13 23-0072 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe ..... <i>For &gt;1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	3.03 -0.15 0.21	0.66

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0073 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe ..... <i>For &gt;1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	4.07 -0.20 0.33	0.74
33 14 13 23-0074 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Pipe ..... <i>For &gt;1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	4.83 -0.24 0.43	0.79
33 14 13 23-0075 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Pipe ..... <i>For &gt;1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	6.55 -0.33 0.62	0.98
33 14 13 23-0076 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Pipe ..... <i>For &gt;1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	10.28 -0.51 1.08	1.25
<b>33 14 13 23-0077 90 Degree Elbows, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0067)</b>		
33 14 13 23-0078 EA 3/4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) .....	13.99	5.44
33 14 13 23-0079 EA 1" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) .....	17.66	6.79
33 14 13 23-0080 EA 1-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) .....	24.64	9.39
33 14 13 23-0081 EA 2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) .....	28.00	10.53
33 14 13 23-0082 EA 2-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) .....	34.48	11.95
33 14 13 23-0083 EA 3" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) .....	37.41	12.74
33 14 13 23-0084 EA 4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) .....	50.45	15.64
33 14 13 23-0085 EA 6" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) .....	85.82	19.87
<b>33 14 13 23-0086 45 Degree Elbows, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0067)</b>		
33 14 13 23-0087 EA 3/4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) .....	13.96	5.44
33 14 13 23-0088 EA 1" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) .....	17.63	6.79
33 14 13 23-0089 EA 1-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) .....	24.65	9.39
33 14 13 23-0090 EA 2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) .....	27.87	10.53
33 14 13 23-0091 EA 2-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) .....	34.13	11.95
33 14 13 23-0092 EA 3" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) .....	37.00	12.74
33 14 13 23-0093 EA 4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) .....	49.61	15.64
33 14 13 23-0094 EA 6" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC) .....	83.15	19.87
<b>33 14 13 23-0095 Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0067)</b>		
33 14 13 23-0096 EA 3/4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC) .....	20.89	8.15
33 14 13 23-0097 EA 1" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC) .....	26.38	10.25
33 14 13 23-0098 EA 1-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC) .....	36.79	14.15
33 14 13 23-0099 EA 2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC) .....	41.55	15.74
33 14 13 23-0100 EA 2-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC) .....	51.93	17.94
33 14 13 23-0101 EA 3" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC) .....	57.82	19.05
33 14 13 23-0102 EA 4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC) .....	72.26	23.48
33 14 13 23-0103 EA 6" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC) .....	131.29	29.85
<b>33 14 13 23-0104 Couplings, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0067)</b>		
33 14 13 23-0105 EA 3/4" Coupling, Schedule 40 Polyvinyl Chloride (PVC) .....	9.37	3.62
33 14 13 23-0106 EA 1" Coupling, Schedule 40 Polyvinyl Chloride (PVC) .....	12.63	4.87
33 14 13 23-0107 EA 1-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC) .....	18.31	7.08
33 14 13 23-0108 EA 2" Coupling, Schedule 40 Polyvinyl Chloride (PVC) .....	20.76	7.87
33 14 13 23-0109 EA 2-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC) .....	24.73	8.95
33 14 13 23-0110 EA 3" Coupling, Schedule 40 Polyvinyl Chloride (PVC) .....	27.43	9.53
33 14 13 23-0111 EA 4" Coupling, Schedule 40 Polyvinyl Chloride (PVC) .....	34.10	11.72
33 14 13 23-0112 EA 6" Coupling, Schedule 40 Polyvinyl Chloride (PVC) .....	53.75	14.93
<b>33 14 13 23-0113 Crosses, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0067)</b>		
33 14 13 23-0114 EA 3/4" Cross, Schedule 40 Polyvinyl Chloride (PVC) .....	28.00	10.87
33 14 13 23-0115 EA 1" Cross, Schedule 40 Polyvinyl Chloride (PVC) .....	35.13	13.64
33 14 13 23-0116 EA 1-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC) .....	49.04	18.85
33 14 13 23-0117 EA 2" Cross, Schedule 40 Polyvinyl Chloride (PVC) .....	55.38	21.00
33 14 13 23-0118 EA 2-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC) .....	69.19	23.89
33 14 13 23-0119 EA 3" Cross, Schedule 40 Polyvinyl Chloride (PVC) .....	77.02	25.42
33 14 13 23-0120 EA 4" Cross, Schedule 40 Polyvinyl Chloride (PVC) .....	96.28	31.28
33 14 13 23-0121 EA 6" Cross, Schedule 40 Polyvinyl Chloride (PVC) .....	174.72	39.79
<b>33 14 13 23-0122 Schedule 80 Polyvinyl Chloride (PVC) Pipe And Fittings (33 14 13 23)</b>		
<b>33 14 13 23-0123 Schedule 80 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0122)</b>		
33 14 13 23-0124 LF 1" Schedule 80 Polyvinyl Chloride (PVC) Pipe ..... <i>For &gt;1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	2.11 -0.11 0.13	0.49
33 14 13 23-0125 LF 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe ..... <i>For &gt;1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	2.91 -0.15 0.22	0.59
33 14 13 23-0126 LF 2" Schedule 80 Polyvinyl Chloride (PVC) Pipe ..... <i>For &gt;1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	3.73 -0.19 0.31	0.66



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0127 LF 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe ..... <i>For &gt;1,000, Deduct</i>	4.98 -0.25	0.74
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.47	
33 14 13 23-0128 LF 3" Schedule 80 Polyvinyl Chloride (PVC) Pipe ..... <i>For &gt;1,000, Deduct</i>	6.11 -0.31	0.79
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.62	
33 14 13 23-0129 LF 4" Schedule 80 Polyvinyl Chloride (PVC) Pipe ..... <i>For &gt;1,000, Deduct</i>	8.51 -0.43	0.98
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.91	
33 14 13 23-0130 LF 6" Schedule 80 Polyvinyl Chloride (PVC) Pipe ..... <i>For &gt;1,000, Deduct</i>	14.65 -0.73	1.25
<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	1.73	
<b>33 14 13 23-0131 90 Degree Elbows, Schedule 80 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0122)</small>		
33 14 13 23-0132 EA 1" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC).....	18.75	6.79
33 14 13 23-0133 EA 1-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC).....	24.64	9.39
33 14 13 23-0134 EA 2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC).....	29.08	10.53
33 14 13 23-0135 EA 2-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC).....	36.79	11.95
33 14 13 23-0136 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	39.56	12.74
33 14 13 23-0137 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	50.96	15.64
33 14 13 23-0138 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	83.37	19.87
<b>33 14 13 23-0139 45 Degree Elbows, Schedule 80 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0122)</small>		
33 14 13 23-0140 EA 1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	23.21	6.79
33 14 13 23-0141 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	28.93	9.39
33 14 13 23-0142 EA 2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	33.21	10.53
33 14 13 23-0143 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	44.53	11.95
33 14 13 23-0144 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	49.64	12.74
33 14 13 23-0145 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	71.22	15.64
33 14 13 23-0146 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	82.02	19.87
<b>33 14 13 23-0147 Tees Or Wyes, Schedule 80 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0122)</small>		
33 14 13 23-0148 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	28.66	10.25
33 14 13 23-0149 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	43.71	14.15
33 14 13 23-0150 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	49.80	15.74
33 14 13 23-0151 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	56.30	17.94
33 14 13 23-0152 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	62.00	19.05
33 14 13 23-0153 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	75.28	23.48
33 14 13 23-0154 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	131.18	29.85
<b>33 14 13 23-0155 Couplings, Schedule 80 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0122)</small>		
33 14 13 23-0156 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Coupling.....	14.26	4.87
33 14 13 23-0157 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling.....	21.11	7.08
33 14 13 23-0158 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Coupling.....	23.39	7.87
33 14 13 23-0159 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling.....	31.49	8.95
33 14 13 23-0160 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Coupling.....	34.24	9.53
33 14 13 23-0161 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Coupling.....	42.39	11.72
33 14 13 23-0162 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Coupling.....	65.32	14.93
<b>33 14 13 23-0163 Crosses, Schedule 80 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0122)</small>		
33 14 13 23-0164 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Cross.....	38.15	13.64
33 14 13 23-0165 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross.....	58.23	18.85
33 14 13 23-0166 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Cross.....	66.34	21.00
33 14 13 23-0167 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross.....	75.00	23.89
33 14 13 23-0168 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Cross.....	82.57	25.42
33 14 13 23-0169 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Cross.....	100.28	31.28
33 14 13 23-0170 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Cross.....	174.58	39.79
<b>33 14 13 23-0171 AWWA C900/C905 Polyvinyl Chloride (PVC) Pipe</b> <small>(33 14 13 23)</small>		
<i>Note: Includes hub on one end of pipe. C900 is available in blue, white, purple or green.</i>		
<b>33 14 13 23-0172 AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe</b> <small>(33 14 13 23-0171)</small>		
33 14 13 23-0173 LF 4" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe.....	5.66	1.79
33 14 13 23-0174 LF 6" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe.....	8.60	2.16
33 14 13 23-0175 LF 8" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe.....	12.24	2.43
33 14 13 23-0176 LF 10" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe.....	16.53	2.70
33 14 13 23-0177 LF 12" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe.....	21.83	3.03
<b>33 14 13 23-0178 AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe</b> <small>(33 14 13 23-0171)</small>		
33 14 13 23-0179 LF 4" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe.....	6.41	1.79
33 14 13 23-0180 LF 6" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe.....	10.16	2.16
33 14 13 23-0181 LF 8" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe.....	14.87	2.43
33 14 13 23-0182 LF 10" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe.....	20.62	2.70
33 14 13 23-0183 LF 12" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe.....	27.54	3.03



**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 14 13 23-0184</b> AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23-0171)</small>		
33 14 13 23-0185 LF 4" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe .....	7.16	1.79
33 14 13 23-0186 LF 6" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe .....	11.71	2.16
33 14 13 23-0187 LF 8" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe .....	17.50	2.43
33 14 13 23-0188 LF 10" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe .....	24.62	2.70
33 14 13 23-0189 LF 12" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe .....	33.25	3.03
<b>33 14 13 23-0190</b> AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23-0171)</small>		
33 14 13 23-0191 LF 18" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe .....	26.62	4.53
33 14 13 23-0192 LF 20" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe .....	32.45	5.40
33 14 13 23-0193 LF 24" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe .....	43.53	6.48
33 14 13 23-0194 LF 30" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe .....	62.90	7.56
33 14 13 23-0195 LF 36" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe .....	86.84	8.64
33 14 13 23-0196 LF 42" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe .....	110.04	9.18
33 14 13 23-0197 LF 48" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe .....	139.37	9.88
<b>33 14 13 23-0198</b> AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23-0171)</small>		
33 14 13 23-0199 LF 14" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe .....	19.65	3.40
33 14 13 23-0200 LF 16" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe .....	24.65	3.78
33 14 13 23-0201 LF 18" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe .....	30.57	4.53
33 14 13 23-0202 LF 20" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe .....	37.58	5.40
33 14 13 23-0203 LF 24" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe .....	51.45	6.48
33 14 13 23-0204 LF 30" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe .....	74.26	7.56
33 14 13 23-0205 LF 36" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe .....	102.05	8.64
33 14 13 23-0206 LF 42" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe .....	135.34	9.18
33 14 13 23-0207 LF 48" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe .....	172.20	9.88
<b>33 14 13 23-0208</b> AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23-0171)</small>		
33 14 13 23-0209 LF 14" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe .....	22.69	3.40
33 14 13 23-0210 LF 16" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe .....	28.87	3.78
33 14 13 23-0211 LF 18" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe .....	35.82	4.53
33 14 13 23-0212 LF 20" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe .....	44.39	5.40
33 14 13 23-0213 LF 24" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe .....	61.23	6.48
33 14 13 23-0214 LF 30" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe .....	88.95	7.56
33 14 13 23-0215 LF 36" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe .....	123.48	8.64
33 14 13 23-0216 LF 42" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe .....	160.73	9.18
33 14 13 23-0217 LF 48" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe .....	205.33	9.88
<b>33 14 13 23-0218</b> AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23-0171)</small>		
33 14 13 23-0219 LF 14" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe .....	27.89	3.40
33 14 13 23-0220 LF 16" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe .....	35.05	3.78
33 14 13 23-0221 LF 18" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe .....	43.77	4.53
33 14 13 23-0222 LF 20" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe .....	54.00	5.40
33 14 13 23-0223 LF 24" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe .....	75.08	6.48
33 14 13 23-0224 LF 30" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe .....	110.68	7.56
33 14 13 23-0225 LF 36" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe .....	156.91	8.64
33 14 13 23-0226 LF 42" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe .....	209.75	9.18
33 14 13 23-0227 LF 48" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe .....	271.12	9.88
<b>33 14 13 23-0228</b> AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23-0171)</small>		
33 14 13 23-0229 LF 14" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe .....	31.81	3.40
33 14 13 23-0230 LF 16" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe .....	40.14	3.78
33 14 13 23-0231 LF 18" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe .....	50.19	4.53
33 14 13 23-0232 LF 20" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe .....	61.99	5.40
33 14 13 23-0233 LF 24" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe .....	86.57	6.48
33 14 13 23-0234 LF 30" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe .....	128.36	7.56
33 14 13 23-0235 LF 36" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe .....	182.74	8.64
33 14 13 23-0236 LF 42" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe .....	245.16	9.18
<b>33 14 13 23-0237</b> AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe <small>(33 14 13 23-0171)</small>		
33 14 13 23-0238 LF 14" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe .....	35.61	3.40
33 14 13 23-0239 LF 16" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe .....	45.09	3.78
33 14 13 23-0240 LF 18" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe .....	56.43	4.53
33 14 13 23-0241 LF 20" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe .....	69.77	5.40
33 14 13 23-0242 LF 24" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe .....	97.75	6.48
33 14 13 23-0243 LF 30" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe .....	145.57	7.56
33 14 13 23-0244 LF 36" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe .....	207.87	8.64
<b>33 14 13 23-0245</b> AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) Fittings <small>(33 14 13 23)</small>		
Note: Includes rubber gaskets.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 14 13 23-0246 90 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0245)</small>		
33 14 13 23-0247 EA 4" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	108.47	6.79
For DR 25, Deduct	-5.69	
33 14 13 23-0248 EA 6" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	222.40	7.65
For DR 25, Deduct	-12.43	
33 14 13 23-0249 EA 8" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	334.22	8.49
For DR 25, Deduct	-19.03	
33 14 13 23-0250 EA 10" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	511.63	14.12
For DR 25, Deduct	-29.00	
33 14 13 23-0251 EA 12" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	574.39	23.54
For DR 25, Deduct	-31.64	
33 14 13 23-0252 EA 14" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	999.98	29.42
For DR 25, Deduct	-56.47	
33 14 13 23-0253 EA 16" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,193.36	35.30
For DR 25, Deduct	-67.36	
33 14 13 23-0254 EA 18" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,047.24	47.08
For DR 25, Deduct	-117.19	
33 14 13 23-0255 EA 20" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,520.26	58.84
For DR 25, Deduct	-144.15	
33 14 13 23-0256 EA 24" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,182.90	79.44
For DR 25, Deduct	-241.44	
<b>33 14 13 23-0257 45 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0245)</small>		
33 14 13 23-0258 EA 4" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	96.08	6.79
For DR 25, Deduct	-4.95	
33 14 13 23-0259 EA 6" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	166.21	7.65
For DR 25, Deduct	-9.06	
33 14 13 23-0260 EA 8" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	210.69	8.49
For DR 25, Deduct	-11.62	
33 14 13 23-0261 EA 10" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	299.20	14.12
For DR 25, Deduct	-16.26	
33 14 13 23-0262 EA 12" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	400.20	23.54
For DR 25, Deduct	-21.19	
33 14 13 23-0263 EA 14" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	768.75	29.42
For DR 25, Deduct	-42.59	
33 14 13 23-0264 EA 16" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	974.31	35.30
For DR 25, Deduct	-54.22	
33 14 13 23-0265 EA 18" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,680.99	47.08
For DR 25, Deduct	-95.21	
33 14 13 23-0266 EA 20" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,087.88	58.84
For DR 25, Deduct	-118.21	
33 14 13 23-0267 EA 24" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,946.28	79.44
For DR 25, Deduct	-167.24	
<b>33 14 13 23-0268 22-1/2 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0245)</small>		
33 14 13 23-0269 EA 4" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	94.57	6.79
For DR 25, Deduct	-4.86	
33 14 13 23-0270 EA 6" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	166.21	7.65
For DR 25, Deduct	-9.06	
33 14 13 23-0271 EA 8" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	210.69	8.49
For DR 25, Deduct	-11.62	
33 14 13 23-0272 EA 10" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	299.20	14.12
For DR 25, Deduct	-16.26	
33 14 13 23-0273 EA 12" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	400.21	23.54
For DR 25, Deduct	-21.19	
33 14 13 23-0274 EA 14" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	766.39	28.24
For DR 25, Deduct	-42.59	
33 14 13 23-0275 EA 16" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	974.28	35.30
For DR 25, Deduct	-54.22	
33 14 13 23-0276 EA 18" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,680.99	47.08
For DR 25, Deduct	-95.21	
33 14 13 23-0277 EA 20" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,087.88	58.84
For DR 25, Deduct	-118.21	
33 14 13 23-0278 EA 24" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,946.28	79.44
For DR 25, Deduct	-167.24	
<b>33 14 13 23-0279 11-1/4 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0245)</small>		
33 14 13 23-0280 EA 4" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	83.47	6.79
For DR 25, Deduct	-4.19	
33 14 13 23-0281 EA 6" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	166.21	7.65
For DR 25, Deduct	-9.06	
33 14 13 23-0282 EA 8" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	210.69	8.49
For DR 25, Deduct	-11.62	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0283 EA 10" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	299.20	14.12
For DR 25, Deduct	-16.26	
33 14 13 23-0284 EA 12" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	400.21	23.54
For DR 25, Deduct	-21.19	
33 14 13 23-0285 EA 14" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	766.39	28.24
For DR 25, Deduct	-42.59	
33 14 13 23-0286 EA 16" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	974.28	35.30
For DR 25, Deduct	-54.22	
33 14 13 23-0287 EA 18" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,680.99	47.08
For DR 25, Deduct	-95.21	
33 14 13 23-0288 EA 20" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,087.88	58.84
For DR 25, Deduct	-118.21	
33 14 13 23-0289 EA 24" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,946.28	79.44
For DR 25, Deduct	-167.24	
<b>33 14 13 23-0290 Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)</b>		
(33 14 13 23-0245)		
33 14 13 23-0291 EA 4" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	128.93	7.65
For DR 25, Deduct	-6.82	
33 14 13 23-0292 EA 6" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	249.32	8.49
For DR 25, Deduct	-13.94	
33 14 13 23-0293 EA 8" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	348.03	9.63
For DR 25, Deduct	-19.73	
33 14 13 23-0294 EA 10" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	719.31	17.66
For DR 25, Deduct	-41.04	
33 14 13 23-0295 EA 12" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	878.54	35.30
For DR 25, Deduct	-48.48	
33 14 13 23-0296 EA 14" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,585.84	44.13
For DR 25, Deduct	-89.86	
33 14 13 23-0297 EA 16" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,964.15	52.96
For DR 25, Deduct	-111.49	
33 14 13 23-0298 EA 18" Tee, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,478.46	70.60
For DR 25, Deduct	-140.23	
33 14 13 23-0299 EA 20" Tee, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,976.46	88.26
For DR 25, Deduct	-168.00	
33 14 13 23-0300 EA 24" Tee, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,081.00	60.02
For DR 25, Deduct	-237.66	
<b>33 14 13 23-0301 Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)</b>		
(33 14 13 23-0245)		
33 14 13 23-0302 EA 6" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	248.12	11.04
For DR 25, Deduct	-13.56	
33 14 13 23-0303 EA 8" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	337.66	11.89
For DR 25, Deduct	-18.83	
33 14 13 23-0304 EA 8" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	346.11	12.31
For DR 25, Deduct	-19.29	
33 14 13 23-0305 EA 10" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,450.40	17.66
For DR 25, Deduct	-204.91	
33 14 13 23-0306 EA 10" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	610.13	18.09
For DR 25, Deduct	-34.44	
33 14 13 23-0307 EA 10" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	652.66	18.53
For DR 25, Deduct	-36.94	
33 14 13 23-0308 EA 12" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	692.24	27.07
For DR 25, Deduct	-38.29	
33 14 13 23-0309 EA 12" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	794.48	27.51
For DR 25, Deduct	-44.37	
33 14 13 23-0310 EA 12" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	842.81	27.94
For DR 25, Deduct	-47.21	
33 14 13 23-0311 EA 12" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	858.77	30.60
For DR 25, Deduct	-47.85	
33 14 13 23-0312 EA 14" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,303.59	31.77
For DR 25, Deduct	-74.40	
33 14 13 23-0313 EA 14" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,355.99	32.21
For DR 25, Deduct	-77.49	
33 14 13 23-0314 EA 14" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,408.51	32.66
For DR 25, Deduct	-80.59	
33 14 13 23-0315 EA 14" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,465.15	35.30
For DR 25, Deduct	-83.67	
33 14 13 23-0316 EA 14" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,526.12	40.01
For DR 25, Deduct	-86.77	
33 14 13 23-0317 EA 16" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,626.80	38.83
For DR 25, Deduct	-92.95	
33 14 13 23-0318 EA 16" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,678.30	38.83
For DR 25, Deduct	-96.04	
33 14 13 23-0319 EA 16" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,730.70	39.28
For DR 25, Deduct	-99.13	
33 14 13 23-0320 EA 16" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,783.12	39.72
For DR 25, Deduct	-102.22	
33 14 13 23-0321 EA 16" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,849.32	47.08
For DR 25, Deduct	-105.31	
33 14 13 23-0322 EA 16" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,905.55	49.43
For DR 25, Deduct	-108.40	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 14 13 23-0323	EA		18" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	2,010.57 -114.56	50.61
	33 14 13 23-0324	EA		18" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	2,063.33 -117.67	51.04
	33 14 13 23-0325	EA		18" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	2,115.73 -120.77	51.48
	33 14 13 23-0326	EA		18" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	2,172.54 -123.86	54.13
	33 14 13 23-0327	EA		18" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	2,233.44 -126.95	58.84
	33 14 13 23-0328	EA		18" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	2,289.32 -130.02	61.19
	33 14 13 23-0329	EA		18" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	2,360.34 -133.85	64.72
	33 14 13 23-0330	EA		20" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	2,549.94 -145.51	62.37
	33 14 13 23-0331	EA		20" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	2,638.80 -150.79	62.81
	33 14 13 23-0332	EA		20" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	2,673.77 -152.84	63.26
	33 14 13 23-0333	EA		20" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	2,713.23 -154.89	65.90
	33 14 13 23-0334	EA		20" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	2,756.75 -156.93	70.60
	33 14 13 23-0335	EA		20" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	2,816.76 -160.25	72.97
	33 14 13 23-0336	EA		20" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	2,879.14 -163.57	76.50
	33 14 13 23-0337	EA		20" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	2,927.81 -165.78	82.38
	33 14 13 23-0338	EA		24" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	3,002.75 -170.21	82.97
	33 14 13 23-0339	EA		24" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	3,040.55 -172.42	83.40
	33 14 13 23-0340	EA		24" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	3,078.33 -174.64	83.84
	33 14 13 23-0341	EA		24" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	3,233.67 -183.64	86.50
	33 14 13 23-0342	EA		24" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	3,393.11 -192.64	91.20
	33 14 13 23-0343	EA		24" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	3,547.89 -201.65	93.55
	33 14 13 23-0344	EA		24" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	3,705.00 -210.65	97.08
	33 14 13 23-0345	EA		24" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	3,866.81 -219.65	102.97
	33 14 13 23-0346	EA		24" x 20" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	4,028.63 -228.66	108.86
	<b>33 14 13 23-0347</b>			<b>Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0245)</small>		
	33 14 13 23-0348	EA		4" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	178.72 -9.09	13.58
	33 14 13 23-0349	EA		6" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	321.40 -17.45	15.28
	33 14 13 23-0350	EA		8" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	445.14 -24.67	16.98
	33 14 13 23-0351	EA		10" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	911.14 -51.28	28.24
	33 14 13 23-0352	EA		12" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	1,080.72 -60.61	35.30
	33 14 13 23-0353	EA		14" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	1,966.22 -112.32	47.08
	33 14 13 23-0354	EA		16" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	2,440.10 -139.35	58.84
	33 14 13 23-0355	EA		18" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	3,110.28 -175.32	94.14
	33 14 13 23-0356	EA		20" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	3,735.34 -210.00	117.68
	33 14 13 23-0357	EA		24" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	5,268.66 -297.06	158.87
	<b>33 14 13 23-0358</b>			<b>Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0245)</small>		
	33 14 13 23-0359	EA		6" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	311.66 -16.97	14.44
	33 14 13 23-0360	EA		8" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	423.42 -23.57	15.28
	33 14 13 23-0361	EA		8" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	434.22 -24.12	16.13
	33 14 13 23-0362	EA		10" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) ..... <i>For DR 25, Deduct</i>	653.29 -36.66	21.19

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0363 EA 10" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	761.64	22.06
For DR 25, Deduct	-43.05	
33 14 13 23-0364 EA 10" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	836.64	22.95
For DR 25, Deduct	-47.44	
33 14 13 23-0365 EA 12" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	859.09	30.60
For DR 25, Deduct	-47.87	
33 14 13 23-0366 EA 12" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	987.26	31.48
For DR 25, Deduct	-55.46	
33 14 13 23-0367 EA 12" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,048.33	32.36
For DR 25, Deduct	-59.02	
33 14 13 23-0368 EA 12" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,072.22	37.65
For DR 25, Deduct	-59.81	
33 14 13 23-0369 EA 14" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,620.65	35.30
For DR 25, Deduct	-93.00	
33 14 13 23-0370 EA 14" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,686.63	36.19
For DR 25, Deduct	-96.86	
33 14 13 23-0371 EA 14" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,753.30	37.07
For DR 25, Deduct	-100.75	
33 14 13 23-0372 EA 14" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,828.53	42.37
For DR 25, Deduct	-104.63	
33 14 13 23-0373 EA 14" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,911.51	51.78
For DR 25, Deduct	-108.48	
33 14 13 23-0374 EA 16" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,020.83	42.37
For DR 25, Deduct	-116.17	
33 14 13 23-0375 EA 16" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,087.67	43.25
For DR 25, Deduct	-120.07	
33 14 13 23-0376 EA 16" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,153.79	44.13
For DR 25, Deduct	-123.93	
33 14 13 23-0377 EA 16" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,228.97	49.43
For DR 25, Deduct	-127.81	
33 14 13 23-0378 EA 16" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,266.08	58.84
For DR 25, Deduct	-128.90	
33 14 13 23-0379 EA 16" x 14" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,385.65	63.55
For DR 25, Deduct	-135.51	
33 14 13 23-0380 EA 18" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,495.30	54.13
For DR 25, Deduct	-143.22	
33 14 13 23-0381 EA 18" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,561.97	55.01
For DR 25, Deduct	-147.12	
33 14 13 23-0382 EA 18" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,628.20	55.90
For DR 25, Deduct	-150.98	
33 14 13 23-0383 EA 18" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,702.40	61.19
For DR 25, Deduct	-154.80	
33 14 13 23-0384 EA 18" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,786.15	70.60
For DR 25, Deduct	-158.70	
33 14 13 23-0385 EA 18" x 14" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,859.72	75.32
For DR 25, Deduct	-162.55	
33 14 13 23-0386 EA 18" x 16" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,953.68	82.38
For DR 25, Deduct	-167.34	
33 14 13 23-0387 EA 20" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,163.62	65.90
For DR 25, Deduct	-181.91	
33 14 13 23-0388 EA 20" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,275.15	66.79
For DR 25, Deduct	-188.49	
33 14 13 23-0389 EA 20" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,319.87	67.66
For DR 25, Deduct	-191.07	
33 14 13 23-0390 EA 20" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,372.94	72.97
For DR 25, Deduct	-193.62	
33 14 13 23-0391 EA 20" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,434.27	82.38
For DR 25, Deduct	-196.17	
33 14 13 23-0392 EA 20" x 14" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,512.34	87.08
For DR 25, Deduct	-200.29	
33 14 13 23-0393 EA 20" x 16" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,596.49	94.14
For DR 25, Deduct	-204.49	
33 14 13 23-0394 EA 20" x 18" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,666.01	105.92
For DR 25, Deduct	-207.25	
33 14 13 23-0395 EA 24" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,698.54	86.50
For DR 25, Deduct	-211.53	
33 14 13 23-0396 EA 24" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,767.14	87.38
For DR 25, Deduct	-215.54	
33 14 13 23-0397 EA 24" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,815.22	88.26
For DR 25, Deduct	-218.32	
33 14 13 23-0398 EA 24" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,013.17	93.55
For DR 25, Deduct	-229.56	
33 14 13 23-0399 EA 24" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,219.40	102.97
For DR 25, Deduct	-240.81	
33 14 13 23-0400 EA 24" x 14" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,416.19	107.68
For DR 25, Deduct	-252.05	
33 14 13 23-0401 EA 24" x 16" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,618.49	114.74
For DR 25, Deduct	-263.34	
33 14 13 23-0402 EA 24" x 18" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,829.00	126.50
For DR 25, Deduct	-274.56	
33 14 13 23-0403 EA 24" x 20" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	5,040.30	138.28
For DR 25, Deduct	-285.83	



<b>Utilities</b>	<b>33</b>	<b>33</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 14 13 23-0404</b> <b>Couplings, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0245)</small>		
33 14 13 23-0405      EA    4" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) .....	64.68	6.79
<i>For DR 25, Deduct</i>	-3.07	
33 14 13 23-0406      EA    6" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) .....	120.75	7.65
<i>For DR 25, Deduct</i>	-6.33	
33 14 13 23-0407      EA    8" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) .....	145.39	8.49
<i>For DR 25, Deduct</i>	-7.70	
33 14 13 23-0408      EA    10" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) .....	207.85	14.12
<i>For DR 25, Deduct</i>	-10.78	
33 14 13 23-0409      EA    12" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) .....	330.42	17.66
<i>For DR 25, Deduct</i>	-17.71	
33 14 13 23-0410      EA    14" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) .....	572.96	23.54
<i>For DR 25, Deduct</i>	-31.55	
33 14 13 23-0411      EA    16" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) .....	678.79	29.42
<i>For DR 25, Deduct</i>	-37.20	
33 14 13 23-0412      EA    18" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) .....	1,623.99	47.08
<i>For DR 25, Deduct</i>	-91.79	
33 14 13 23-0413      EA    20" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) .....	1,820.88	58.84
<i>For DR 25, Deduct</i>	-102.19	
33 14 13 23-0414      EA    24" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) .....	2,563.69	79.44
<i>For DR 25, Deduct</i>	-144.29	
<b>33 14 13 23-0415</b> <b>Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0245)</small>		
33 14 13 23-0416      EA    4" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) .....	80.24	6.79
<i>For DR 25, Deduct</i>	-4.00	
33 14 13 23-0417      EA    6" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) .....	109.08	7.65
<i>For DR 25, Deduct</i>	-5.63	
33 14 13 23-0418      EA    8" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) .....	158.68	8.49
<i>For DR 25, Deduct</i>	-8.50	
33 14 13 23-0419      EA    10" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) .....	218.22	14.12
<i>For DR 25, Deduct</i>	-11.40	
33 14 13 23-0420      EA    12" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) .....	349.75	23.54
<i>For DR 25, Deduct</i>	-18.16	
33 14 13 23-0421      EA    14" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) .....	926.86	28.24
<i>For DR 25, Deduct</i>	-52.22	
33 14 13 23-0422      EA    16" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) .....	1,254.50	35.30
<i>For DR 25, Deduct</i>	-71.03	
33 14 13 23-0423      EA    18" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) .....	1,545.89	47.08
<i>For DR 25, Deduct</i>	-87.11	
33 14 13 23-0424      EA    20" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) .....	1,847.04	58.84
<i>For DR 25, Deduct</i>	-103.76	
33 14 13 23-0425      EA    24" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) .....	2,509.12	79.44
<i>For DR 25, Deduct</i>	-141.02	
<b>33 14 13 23-0426</b> <b>AWWA C906, High Density Polyethylene (HDPE) Pressure Piping</b> <small>(33 14 13 23)</small>		
Note: ASTM D3350 pipe, ASTM D2657 heat fusion.		
<b>33 14 13 23-0427</b> <b>High Density Polyethylene (HDPE) Pressure Pipe</b> <small>(33 14 13 23-0426)</small>		
33 14 13 23-0428      LF    3" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	4.22	1.40
<i>For DR 19 (89 PSI), Add</i>	0.12	
<i>For DR 17 (100 PSI), Add</i>	0.31	
<i>For DR 15.5 (110 PSI), Add</i>	0.45	
<i>For DR 13.5 (128 PSI), Add</i>	0.70	
<i>For DR 11 (160 PSI), Add</i>	1.13	
33 14 13 23-0429      LF    4" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	7.73	1.79
<i>For DR 26 (65 PSI), Deduct</i>	-0.76	
<i>For DR 19 (89 PSI), Add</i>	0.38	
<i>For DR 17 (100 PSI), Add</i>	0.93	
<i>For DR 15.5 (110 PSI), Add</i>	1.36	
<i>For DR 13.5 (128 PSI), Add</i>	2.12	
<i>For DR 11 (160 PSI), Add</i>	3.41	
33 14 13 23-0430      LF    6" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	13.32	2.16
<i>For DR 26 (65 PSI), Deduct</i>	-1.65	
<i>For DR 19 (89 PSI), Add</i>	0.81	
<i>For DR 17 (100 PSI), Add</i>	2.00	
<i>For DR 15.5 (110 PSI), Add</i>	2.93	
<i>For DR 13.5 (128 PSI), Add</i>	4.57	
<i>For DR 11 (160 PSI), Add</i>	7.36	
33 14 13 23-0431      LF    8" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	20.14	2.43
<i>For DR 26 (65 PSI), Deduct</i>	-2.80	
<i>For DR 19 (89 PSI), Add</i>	1.38	
<i>For DR 17 (100 PSI), Add</i>	3.40	
<i>For DR 15.5 (110 PSI), Add</i>	4.97	
<i>For DR 13.5 (128 PSI), Add</i>	7.76	
<i>For DR 11 (160 PSI), Add</i>	12.49	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0432 LF 10" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	29.15	2.70
For DR 26 (65 PSI), Deduct	-4.35	
For DR 19 (89 PSI), Add	2.14	
For DR 17 (100 PSI), Add	5.28	
For DR 15.5 (110 PSI), Add	7.73	
For DR 13.5 (128 PSI), Add	12.06	
For DR 11 (160 PSI), Add	19.42	
33 14 13 23-0433 LF 12" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	40.23	30.24
For DR 26 (65 PSI), Deduct	-6.28	
For DR 19 (89 PSI), Add	3.08	
For DR 17 (100 PSI), Add	7.61	
For DR 15.5 (110 PSI), Add	11.14	
For DR 13.5 (128 PSI), Add	17.39	
For DR 11 (160 PSI), Add	27.99	
33 14 13 23-0434 LF 14" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	47.01	3.40
For DR 26 (65 PSI), Deduct	-7.38	
For DR 19 (89 PSI), Add	3.62	
For DR 17 (100 PSI), Add	8.95	
For DR 15.5 (110 PSI), Add	13.10	
For DR 13.5 (128 PSI), Add	20.45	
For DR 11 (160 PSI), Add	32.91	
33 14 13 23-0435 LF 16" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	60.15	3.78
For DR 26 (65 PSI), Deduct	-9.64	
For DR 19 (89 PSI), Add	4.73	
For DR 17 (100 PSI), Add	11.69	
For DR 15.5 (110 PSI), Add	17.11	
For DR 13.5 (128 PSI), Add	26.71	
For DR 11 (160 PSI), Add	42.99	
33 14 13 23-0436 LF 18" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	75.57	4.53
For DR 26 (65 PSI), Deduct	-12.18	
For DR 19 (89 PSI), Add	5.98	
For DR 17 (100 PSI), Add	14.77	
For DR 15.5 (110 PSI), Add	21.63	
For DR 13.5 (128 PSI), Add	33.76	
For DR 11 (160 PSI), Add	54.34	
33 14 13 23-0437 LF 20" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	55.28	5.40
For DR 26 (65 PSI), Deduct	-8.15	
For DR 19 (89 PSI), Add	4.00	
For DR 17 (100 PSI), Add	9.88	
For DR 15.5 (110 PSI), Add	14.47	
For DR 13.5 (128 PSI), Add	22.59	
For DR 11 (160 PSI), Add	36.36	
33 14 13 23-0438 LF 24" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	131.23	6.48
For DR 26 (65 PSI), Deduct	-21.68	
For DR 19 (89 PSI), Add	10.64	
For DR 17 (100 PSI), Add	26.28	
For DR 15.5 (110 PSI), Add	38.49	
For DR 13.5 (128 PSI), Add	60.07	
For DR 11 (160 PSI), Add	96.69	
<b>33 14 13 23-0439 90 Degree Elbows, High Density Polyethylene (HDPE) Pressure Piping</b> <small>(33 14</small>		
<small>13 23-0426)</small>		
33 14 13 23-0440 EA 3" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	39.54	8.49
For DR 26 (65 PSI), Deduct	-2.58	
For DR 19 (89 PSI), Add	1.27	
For DR 17 (100 PSI), Add	3.13	
For DR 15.5 (110 PSI), Add	4.58	
For DR 13.5 (128 PSI), Add	7.15	
For DR 11 (160 PSI), Add	11.50	
33 14 13 23-0441 EA 4" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	45.06	9.45
For DR 26 (65 PSI), Deduct	-3.07	
For DR 19 (89 PSI), Add	1.51	
For DR 17 (100 PSI), Add	3.72	
For DR 15.5 (110 PSI), Add	5.45	
For DR 13.5 (128 PSI), Add	8.51	
For DR 11 (160 PSI), Add	13.70	
33 14 13 23-0442 EA 6" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	76.90	10.79
For DR 26 (65 PSI), Deduct	-8.17	
For DR 19 (89 PSI), Add	4.01	
For DR 17 (100 PSI), Add	9.91	
For DR 15.5 (110 PSI), Add	14.51	
For DR 13.5 (128 PSI), Add	22.64	
For DR 11 (160 PSI), Add	36.44	
33 14 13 23-0443 EA 8" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	130.93	12.59
For DR 26 (65 PSI), Deduct	-17.08	
For DR 19 (89 PSI), Add	8.39	
For DR 17 (100 PSI), Add	20.70	
For DR 15.5 (110 PSI), Add	30.32	
For DR 13.5 (128 PSI), Add	47.33	
For DR 11 (160 PSI), Add	76.17	



<b>Utilities</b>	<b>33</b>	<b>33</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0444 EA 10" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	205.86	16.82
For DR 26 (65 PSI), Deduct	-28.51	
For DR 19 (89 PSI), Add	14.00	
For DR 17 (100 PSI), Add	34.56	
For DR 15.5 (110 PSI), Add	50.61	
For DR 13.5 (128 PSI), Add	78.99	
For DR 11 (160 PSI), Add	127.15	
33 14 13 23-0445 EA 12" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	303.21	25.16
For DR 26 (65 PSI), Deduct	-41.75	
For DR 19 (89 PSI), Add	20.50	
For DR 17 (100 PSI), Add	50.61	
For DR 15.5 (110 PSI), Add	74.11	
For DR 13.5 (128 PSI), Add	115.68	
For DR 11 (160 PSI), Add	186.19	
33 14 13 23-0446 EA 14" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	372.19	33.58
For DR 26 (65 PSI), Deduct	-49.77	
For DR 19 (89 PSI), Add	24.44	
For DR 17 (100 PSI), Add	60.33	
For DR 15.5 (110 PSI), Add	88.35	
For DR 13.5 (128 PSI), Add	137.90	
For DR 11 (160 PSI), Add	221.96	
33 14 13 23-0447 EA 16" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	476.05	50.33
For DR 26 (65 PSI), Deduct	-59.60	
For DR 19 (89 PSI), Add	29.26	
For DR 17 (100 PSI), Add	72.25	
For DR 15.5 (110 PSI), Add	105.80	
For DR 13.5 (128 PSI), Add	165.14	
For DR 11 (160 PSI), Add	265.80	
33 14 13 23-0448 EA 18" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	612.29	56.61
For DR 26 (65 PSI), Deduct	-81.10	
For DR 19 (89 PSI), Add	39.82	
For DR 17 (100 PSI), Add	98.31	
For DR 15.5 (110 PSI), Add	143.98	
For DR 13.5 (128 PSI), Add	224.73	
For DR 11 (160 PSI), Add	361.71	
33 14 13 23-0449 EA 20" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	860.09	64.24
For DR 26 (65 PSI), Deduct	-121.96	
For DR 19 (89 PSI), Add	59.88	
For DR 17 (100 PSI), Add	147.85	
For DR 15.5 (110 PSI), Add	216.51	
For DR 13.5 (128 PSI), Add	337.94	
For DR 11 (160 PSI), Add	543.94	
33 14 13 23-0450 EA 24" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,114.70	75.51
For DR 26 (65 PSI), Deduct	-162.82	
For DR 19 (89 PSI), Add	79.94	
For DR 17 (100 PSI), Add	197.37	
For DR 15.5 (110 PSI), Add	289.04	
For DR 13.5 (128 PSI), Add	451.15	
For DR 11 (160 PSI), Add	726.16	
<b>33 14 13 23-0451 Tees, High Density Polyethylene (HDPE) Pressure Piping (33 14 13 23-0426)</b>		
33 14 13 23-0452 EA 3" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	45.01	8.89
For DR 26 (65 PSI), Deduct	-3.37	
For DR 19 (89 PSI), Add	1.66	
For DR 17 (100 PSI), Add	4.09	
For DR 15.5 (110 PSI), Add	5.99	
For DR 13.5 (128 PSI), Add	9.35	
For DR 11 (160 PSI), Add	15.04	
33 14 13 23-0453 EA 4" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	51.83	10.07
For DR 26 (65 PSI), Deduct	-3.97	
For DR 19 (89 PSI), Add	1.95	
For DR 17 (100 PSI), Add	4.81	
For DR 15.5 (110 PSI), Add	7.04	
For DR 13.5 (128 PSI), Add	11.00	
For DR 11 (160 PSI), Add	17.70	
33 14 13 23-0454 EA 6" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	91.42	11.62
For DR 26 (65 PSI), Deduct	-10.37	
For DR 19 (89 PSI), Add	5.09	
For DR 17 (100 PSI), Add	12.58	
For DR 15.5 (110 PSI), Add	18.42	
For DR 13.5 (128 PSI), Add	28.75	
For DR 11 (160 PSI), Add	46.27	
33 14 13 23-0455 EA 8" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	184.76	13.73
For DR 26 (65 PSI), Deduct	-26.32	
For DR 19 (89 PSI), Add	12.92	
For DR 17 (100 PSI), Add	31.91	
For DR 15.5 (110 PSI), Add	46.73	
For DR 13.5 (128 PSI), Add	72.93	
For DR 11 (160 PSI), Add	117.39	
33 14 13 23-0456 EA 10" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	249.58	20.15
For DR 26 (65 PSI), Deduct	-34.68	
For DR 19 (89 PSI), Add	17.03	
For DR 17 (100 PSI), Add	42.04	
For DR 15.5 (110 PSI), Add	61.56	
For DR 13.5 (128 PSI), Add	96.09	
For DR 11 (160 PSI), Add	154.66	



**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0457 EA 12" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	348.92	30.23
For DR 26 (65 PSI), Deduct	-47.35	
For DR 19 (89 PSI), Add	23.25	
For DR 17 (100 PSI), Add	57.40	
For DR 15.5 (110 PSI), Add	84.06	
For DR 13.5 (128 PSI), Add	131.21	
For DR 11 (160 PSI), Add	211.18	
33 14 13 23-0458 EA 14" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	417.13	37.76
For DR 26 (65 PSI), Deduct	-55.71	
For DR 19 (89 PSI), Add	27.35	
For DR 17 (100 PSI), Add	67.53	
For DR 15.5 (110 PSI), Add	98.89	
For DR 13.5 (128 PSI), Add	154.36	
For DR 11 (160 PSI), Add	248.45	
33 14 13 23-0459 EA 16" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	530.80	56.61
For DR 26 (65 PSI), Deduct	-66.15	
For DR 19 (89 PSI), Add	32.48	
For DR 17 (100 PSI), Add	80.19	
For DR 15.5 (110 PSI), Add	117.44	
For DR 13.5 (128 PSI), Add	183.30	
For DR 11 (160 PSI), Add	295.04	
33 14 13 23-0460 EA 18" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	699.27	65.94
For DR 26 (65 PSI), Deduct	-91.92	
For DR 19 (89 PSI), Add	45.13	
For DR 17 (100 PSI), Add	111.42	
For DR 15.5 (110 PSI), Add	163.18	
For DR 13.5 (128 PSI), Add	254.69	
For DR 11 (160 PSI), Add	409.94	
33 14 13 23-0461 EA 20" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,009.38	77.89
For DR 26 (65 PSI), Deduct	-141.71	
For DR 19 (89 PSI), Add	69.58	
For DR 17 (100 PSI), Add	171.78	
For DR 15.5 (110 PSI), Add	251.56	
For DR 13.5 (128 PSI), Add	392.65	
For DR 11 (160 PSI), Add	631.99	
33 14 13 23-0462 EA 24" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,327.74	94.42
For DR 26 (65 PSI), Deduct	-191.49	
For DR 19 (89 PSI), Add	94.02	
For DR 17 (100 PSI), Add	232.13	
For DR 15.5 (110 PSI), Add	339.95	
For DR 13.5 (128 PSI), Add	530.60	
For DR 11 (160 PSI), Add	854.04	
<b>33 14 13 26 Galvanized Steel Public Water Utility Distribution Piping (33 14 13)</b>		
See CSI section 22 11 16 00-0013 for galvanized steel pipe.		
<b>33 14 13 36 Steel Public Water Utility Distribution Piping (33 14 13)</b>		
<b>33 14 13 36-0001 Steel Piping (33 14 13 36)</b>		
<b>33 14 13 36-0002 Welded, Plain End, Uncoated Steel Piping (33 14 13 36-0001)</b>		
Note: ASTM A252 steel pipe.		
<b>33 14 13 36-0003 Up To 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping (33 14 13 36-0002)</b>		
33 14 13 36-0004 LF 8" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	34.79	14.93
For >1,000, Deduct	-1.74	
33 14 13 36-0005 LF 8" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	38.66	14.93
For >1,000, Deduct	-1.93	
33 14 13 36-0006 LF 10" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	39.89	16.29
For >1,000, Deduct	-1.99	
33 14 13 36-0007 LF 10" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	44.78	16.29
For >1,000, Deduct	-2.24	
33 14 13 36-0008 LF 12" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	45.64	17.07
For >1,000, Deduct	-2.28	
33 14 13 36-0009 LF 12" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	49.44	17.07
For >1,000, Deduct	-2.47	
33 14 13 36-0010 LF 14" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	72.51	18.86
For >1,000, Deduct	-3.63	
33 14 13 36-0011 LF 14" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	56.52	18.86
For >1,000, Deduct	-2.83	
33 14 13 36-0012 LF 16" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	56.64	19.92
For >1,000, Deduct	-2.83	
33 14 13 36-0013 LF 16" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	58.99	19.92
For >1,000, Deduct	-2.95	
33 14 13 36-0014 LF 18" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	67.91	22.40
For >1,000, Deduct	-3.40	
33 14 13 36-0015 LF 20" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	71.76	22.40
For >1,000, Deduct	-3.59	
<b>33 14 13 36-0016 5/16" To 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Piping (33 14 13 36-0002)</b>		
33 14 13 36-0017 LF 12" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	61.70	31.26
For >1,000, Deduct	-3.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0018 LF 14" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	71.40	34.39
For >1,000, Deduct	-3.57	
33 14 13 36-0019 LF 16" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	77.96	35.95
For >1,000, Deduct	-3.90	
33 14 13 36-0020 LF 18" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	87.86	40.64
For >1,000, Deduct	-4.39	
33 14 13 36-0021 LF 18" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	90.47	40.64
For >1,000, Deduct	-4.52	
33 14 13 36-0022 LF 20" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	92.88	40.64
For >1,000, Deduct	-4.64	
33 14 13 36-0023 LF 20" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	95.66	40.64
For >1,000, Deduct	-4.78	
33 14 13 36-0024 LF 24" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	110.42	46.90
For >1,000, Deduct	-5.52	
33 14 13 36-0025 LF 24" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	119.03	46.90
For >1,000, Deduct	-5.95	
33 14 13 36-0026 LF 24" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	140.15	46.90
For >1,000, Deduct	-7.01	
33 14 13 36-0027 LF 30" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	134.68	54.71
For >1,000, Deduct	-6.73	
33 14 13 36-0028 LF 30" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	138.20	54.71
For >1,000, Deduct	-6.91	
33 14 13 36-0029 LF 30" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	171.41	54.71
For >1,000, Deduct	-8.57	
33 14 13 36-0030 LF 36" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	152.94	54.71
For >1,000, Deduct	-7.65	
33 14 13 36-0031 LF 36" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	180.39	65.65
For >1,000, Deduct	-9.02	
33 14 13 36-0032 LF 36" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	206.15	65.65
For >1,000, Deduct	-10.31	
33 14 13 36-0033 LF 36" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	199.72	65.65
For >1,000, Deduct	-9.99	
33 14 13 36-0034 LF 42" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	286.15	73.47
For >1,000, Deduct	-14.31	
33 14 13 36-0035 LF 42" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	194.30	73.47
For >1,000, Deduct	-9.72	
33 14 13 36-0036 LF 48" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	327.00	82.84
For >1,000, Deduct	-16.35	
33 14 13 36-0037 LF 54" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	348.19	93.78
For >1,000, Deduct	-17.41	
33 14 13 36-0038 LF 48" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	214.63	82.84
For >1,000, Deduct	-10.73	
33 14 13 36-0039 LF 54" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	377.53	93.78
For >1,000, Deduct	-18.88	
33 14 13 36-0040 LF 60" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	425.41	109.42
For >1,000, Deduct	-21.27	
33 14 13 36-0041 LF 66" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	321.09	109.42
For >1,000, Deduct	-16.05	
33 14 13 36-0042 LF 72" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	392.92	90.40
For >1,000, Deduct	-19.65	
33 14 13 36-0043 LF 78" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	628.52	90.40
For >1,000, Deduct	-31.43	
<b>33 14 13 36-0044 Flexible Couplings (Dresser Style 38) (33 14 13 36-0001)</b>		
33 14 13 36-0045 EA 2" Dresser Coupling For Plain End Welded Steel Pipe.....	90.97	16.95
33 14 13 36-0046 EA 3" Dresser Coupling For Plain End Welded Steel Pipe.....	126.15	32.59
33 14 13 36-0047 EA 4" Dresser Coupling For Plain End Welded Steel Pipe.....	167.80	43.03
33 14 13 36-0048 EA 6" Dresser Coupling For Plain End Welded Steel Pipe.....	271.36	65.19
33 14 13 36-0049 EA 8" Dresser Coupling For Plain End Welded Steel Pipe.....	358.72	82.14
33 14 13 36-0050 EA 10" Dresser Coupling For Plain End Welded Steel Pipe.....	470.92	82.98
33 14 13 36-0051 EA 12" Dresser Coupling For Plain End Welded Steel Pipe.....	551.72	104.00
33 14 13 36-0052 EA 14" Dresser Coupling For Plain End Welded Steel Pipe.....	595.43	104.00
33 14 13 36-0053 EA 16" Dresser Coupling For Plain End Welded Steel Pipe.....	626.87	118.93
33 14 13 36-0054 EA 18" Dresser Coupling For Plain End Welded Steel Pipe.....	690.61	127.23
33 14 13 36-0055 EA 20" Dresser Coupling For Plain End Welded Steel Pipe.....	753.94	143.82
33 14 13 36-0056 EA 24" Dresser Coupling For Plain End Welded Steel Pipe.....	982.50	152.13
33 14 13 36-0057 EA 30" Dresser Coupling For Plain End Welded Steel Pipe.....	1,200.76	165.96
33 14 13 36-0058 EA 36" Dresser Coupling For Plain End Welded Steel Pipe.....	1,419.12	186.70
33 14 13 36-0059 EA 42" Dresser Coupling For Plain End Welded Steel Pipe.....	1,649.49	210.21
33 14 13 36-0060 EA 48" Dresser Coupling For Plain End Welded Steel Pipe.....	1,917.83	242.01
33 14 13 36-0061 EA 54" Dresser Coupling For Plain End Welded Steel Pipe.....	2,115.76	276.58
33 14 13 36-0062 EA 60" Dresser Coupling For Plain End Welded Steel Pipe.....	2,398.29	345.73
33 14 13 36-0063 EA 66" Dresser Coupling For Plain End Welded Steel Pipe.....	2,740.91	420.42
33 14 13 36-0064 EA 72" Dresser Coupling For Plain End Welded Steel Pipe.....	3,262.31	497.86
<b>33 14 13 39 Copper Public Water Utility Distribution Piping (33 14 13)</b>		
<b>33 14 13 39-0001 Type L Copper Water Distribution Piping (33 14 13 39)</b>		
33 14 13 39-0002 LF 1/2" Type L Copper Water Distribution Pipe.....	3.96	1.13
33 14 13 39-0003 LF 3/4" Type L Copper Water Distribution Pipe.....	4.92	1.27
33 14 13 39-0004 LF 1" Type L Copper Water Distribution Pipe.....	6.50	1.41

<b>33</b>	<b>Utilities</b>
<b>33 10</b>	<b>Water Utilities</b>
<b>33 14</b>	<b>Water Utility Transmission and Distribution</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 39-0005	LF		1-1/4" Type L Copper Water Distribution Pipe .....	8.07	1.70
33 14 13 39-0006	LF		1-1/2" Type L Copper Water Distribution Pipe .....	9.93	2.26
33 14 13 39-0007	LF		2" Type L Copper Water Distribution Pipe .....	14.31	2.82
33 14 13 39-0008	LF		2-1/2" Type L Copper Water Distribution Pipe .....	18.18	3.39
33 14 13 39-0009	LF		3" Type L Copper Water Distribution Pipe .....	22.69	3.73
33 14 13 39-0010	LF		3-1/2" Type L Copper Water Distribution Pipe .....	30.52	4.68
33 14 13 39-0011	LF		4" Type L Copper Water Distribution Pipe .....	40.25	5.93
33 14 13 39-0012	LF		5" Type L Copper Water Distribution Pipe .....	64.28	7.40
33 14 13 39-0013	LF		6" Type L Copper Water Distribution Pipe .....	82.90	8.93
33 14 13 39-0014	LF		8" Type L Copper Water Distribution Pipe .....	141.49	9.99
<b>33 14 13 39-0015</b>			<b>Type K Copper Water Distribution Piping (33 14 13 39)</b>		
33 14 13 39-0016	LF		1/2" Type K Copper Water Distribution Pipe .....	4.20	1.13
33 14 13 39-0017	LF		3/4" Type K Copper Water Distribution Pipe .....	5.76	1.27
33 14 13 39-0018	LF		1" Type K Copper Water Distribution Pipe .....	7.34	1.41
33 14 13 39-0019	LF		1-1/4" Type K Copper Water Distribution Pipe .....	8.59	1.70
33 14 13 39-0020	LF		1-1/2" Type K Copper Water Distribution Pipe .....	10.69	2.26
33 14 13 39-0021	LF		2" Type K Copper Water Distribution Pipe .....	15.34	2.82
33 14 13 39-0022	LF		2-1/2" Type K Copper Water Distribution Pipe .....	21.04	3.39
33 14 13 39-0023	LF		3" Type K Copper Water Distribution Pipe .....	26.98	3.73
33 14 13 39-0024	LF		3-1/2" Type K Copper Water Distribution Pipe .....	35.56	4.68
33 14 13 39-0025	LF		4" Type K Copper Water Distribution Pipe .....	47.91	5.93
33 14 13 39-0026	LF		5" Type K Copper Water Distribution Pipe .....	80.13	7.40
33 14 13 39-0027	LF		6" Type K Copper Water Distribution Pipe .....	111.39	8.93
33 14 13 39-0028	LF		8" Type K Copper Water Distribution Pipe .....	194.07	9.99
<b>33 14 13 39-0029</b>			<b>Copper Flare x Female Copper Flare Service Fitting Coupling (33 14 13 39)</b>		
			Note: Mueller H-15405		
33 14 13 39-0030	EA		3/4" Copper Flare x Female Copper Flare Service Fitting Coupling .....	25.69	
33 14 13 39-0031	EA		1" Copper Flare x Female Copper Flare Service Fitting Coupling .....	36.93	
33 14 13 39-0032	EA		1-1/2" Copper Flare x Female Copper Flare Service Fitting Coupling .....	92.58	
33 14 13 39-0033	EA		2" Copper Flare x Female Copper Flare Service Fitting Coupling .....	117.95	
<b>33 14 13 39-0034</b>			<b>Copper Flare x Female Iron Pipe Service Fitting Coupling (33 14 13 39)</b>		
			Note: Mueller H-15450		
33 14 13 39-0035	EA		1/2" Copper Flare x Female Iron Pipe Service Fitting Coupling .....	30.83	
33 14 13 39-0036	EA		3/4" Copper Flare x Female Iron Pipe Service Fitting Coupling .....	25.82	
33 14 13 39-0037	EA		1" Copper Flare x Female Iron Pipe Service Fitting Coupling .....	35.80	
33 14 13 39-0038	EA		1-1/4" Copper Flare x Female Iron Pipe Service Fitting Coupling .....	53.51	
33 14 13 39-0039	EA		1-1/2" Copper Flare x Female Iron Pipe Service Fitting Coupling .....	69.92	
33 14 13 39-0040	EA		2" Copper Flare x Female Iron Pipe Service Fitting Coupling .....	113.98	
<b>33 14 13 39-0041</b>			<b>Copper Flare x Male Iron Pipe Service Fitting Coupling (33 14 13 39)</b>		
			Note: Mueller H-15425		
33 14 13 39-0042	EA		1/2" Copper Flare x Male Iron Pipe Service Fitting Coupling .....	26.22	
33 14 13 39-0043	EA		3/4" Copper Flare x Male Iron Pipe Service Fitting Coupling .....	25.90	
33 14 13 39-0044	EA		1" Copper Flare x Male Iron Pipe Service Fitting Coupling .....	34.81	
33 14 13 39-0045	EA		1-1/4" Copper Flare x Male Iron Pipe Service Fitting Coupling .....	53.51	
33 14 13 39-0046	EA		1-1/2" Copper Flare x Male Iron Pipe Service Fitting Coupling .....	73.51	
33 14 13 39-0047	EA		2" Copper Flare x Male Iron Pipe Service Fitting Coupling .....	118.43	
<b>33 14 13 39-0048</b>			<b>Brass Fittings (33 14 13 39)</b>		
<b>33 14 13 39-0049</b>			<b>Brass Compression Reducer Coupling (33 14 13 39-0048)</b>		
33 14 13 39-0050	EA		3/4" x 1" Brass Compression Reducer Coupling .....	29.33	9.56
33 14 13 39-0051	EA		1" x 3/4" Brass Compression Reducer Coupling .....	23.33	9.56
33 14 13 39-0052	EA		1-1/2" x 1" Brass Compression Reducer Coupling .....	48.69	14.51
33 14 13 39-0053	EA		2" x 1-1/2" Brass Compression Reducer Coupling .....	60.34	18.41
<b>33 14 13 39-0054</b>			<b>Copper Compression x Male NPT Brass Coupling (33 14 13 39-0048)</b>		
			Note: A. Y. McDonald 74753Q		
33 14 13 39-0055	EA		3/4" Copper Compression x Male NPT Brass Coupling .....	30.56	10.62
33 14 13 39-0056	EA		3/4" x 1" Copper Compression x Male NPT Brass Coupling .....	34.97	12.40
33 14 13 39-0057	EA		1" Copper Compression x Male NPT Brass Coupling .....	35.83	12.40
33 14 13 39-0058	EA		1" x 3/4" Copper Compression x Male NPT Brass Coupling .....	35.11	12.40
33 14 13 39-0059	EA		1-1/4" Copper Compression x Male NPT Brass Coupling .....	47.64	14.16
33 14 13 39-0060	EA		1-1/4" x 1" Copper Compression x Male NPT Brass Coupling .....	46.33	14.16
33 14 13 39-0061	EA		1-1/2" Copper Compression x Male NPT Brass Coupling .....	63.07	17.71
33 14 13 39-0062	EA		2" Copper Compression x Male NPT Brass Coupling .....	82.82	21.24
<b>33 14 13 39-0063</b>			<b>Brass Nipples (33 14 13 39-0048)</b>		
33 14 13 39-0064	EA		3/4" x 6" Long Brass Nipple .....	23.62	4.42
33 14 13 39-0065	EA		1" x 6" Long Brass Nipple .....	31.09	4.78
33 14 13 39-0066	EA		1-1/2" x 6" Long Brass Nipple .....	48.11	5.13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 14 13 39-0067 Brass "H" Style Meter Insetters (33 14 13 39-0048)</b>		
33 14 13 39-0068 EA 5/8" x 3/4" Compression End, Brass "H" Style Meter Insetters.....	228.74	19.55
33 14 13 39-0069 EA 5/8" x 3/4" Threaded End, Brass "H" Style Meter Insetters.....	138.47	19.55
<b>33 14 13 39-0070 Meter Setters - Resetter, Brass (33 14 13 39-0048)</b>		
33 14 13 39-0071 EA 1" Meter, 10" High Brass Meter Setter - Resetter .....	643.74	19.55
Note: Male meter thread, bottom inlet/outlet, angle ball valve, top inlet/outlet with meter nuts.		
<b>33 14 13 43 Public Water Utility Distribution Piping Coatings And Wraps (33 14 13)</b>		
<b>33 14 13 43-0001 Pipe Coatings (33 14 13 43)</b>		
<b>33 14 13 43-0002 Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating (33 14 13 43-0001)</b>		
Note: Applied at fabrication shop.		
33 14 13 43-0003 LF 8" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	1.66	
33 14 13 43-0004 LF 10" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	1.98	
33 14 13 43-0005 LF 12" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	2.33	
33 14 13 43-0006 LF 14" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	3.10	
33 14 13 43-0007 LF 16" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	3.53	
33 14 13 43-0008 LF 18" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	3.72	
33 14 13 43-0009 LF 20" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	4.00	
33 14 13 43-0010 LF 24" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	4.66	
33 14 13 43-0011 LF 30" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	6.12	
33 14 13 43-0012 LF 36" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	9.67	
33 14 13 43-0013 LF 42" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	20.85	
33 14 13 43-0014 LF 48" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	23.82	
33 14 13 43-0015 LF 54" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	26.80	
33 14 13 43-0016 LF 60" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	29.78	
33 14 13 43-0017 LF 66" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	32.76	
33 14 13 43-0018 LF 72" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	35.72	
33 14 13 43-0019 LF 78" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	38.71	
<b>33 14 13 43-0020 8 Mil Polyethylene Encasement Tubing (33 14 13 43)</b>		
Note: ANSI/AWWA C105/A21.5-99 section 4.2.		
33 14 13 43-0021 LF 3" To 8" Diameter, 8 Mil Polyethylene Encasement Tubing.....	0.77	
33 14 13 43-0022 LF 10" To 12" Diameter, 8 Mil Polyethylene Encasement Tubing.....	1.25	
33 14 13 43-0023 LF 14" To 16" Diameter, 8 Mil Polyethylene Encasement Tubing.....	1.52	
33 14 13 43-0024 LF 18" To 20" Diameter, 8 Mil Polyethylene Encasement Tubing.....	1.92	
33 14 13 43-0025 LF 24" Diameter, 8 Mil Polyethylene Encasement Tubing.....	2.63	
33 14 13 43-0026 LF 30" Diameter, 8 Mil Polyethylene Encasement Tubing.....	3.37	
33 14 13 43-0027 LF 36" To 42" Diameter, 8 Mil Polyethylene Encasement Tubing.....	4.30	
33 14 13 43-0028 LF 48" Diameter, 8 Mil Polyethylene Encasement Tubing.....	5.10	
33 14 13 43-0029 LF 54" Diameter, 8 Mil Polyethylene Encasement Tubing.....	6.05	
33 14 13 43-0030 LF 60" Diameter, 8 Mil Polyethylene Encasement Tubing.....	6.58	
<b>33 14 13 53 Public Water Utility Distribution Piping Saddles And Adapters (33 14 13)</b>		
<b>33 14 13 53-0001 Double Stud Stainless Steel Service Saddles (33 14 13 53)</b>		
Note: 1/2" listed taps are compression, 3/4" to 2" are either compression or NPT.		
33 14 13 53-0002 EA 4" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372) .....	177.79	
33 14 13 53-0003 EA 4" Diameter x 1-1/4" Or 1-1/2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372) .....	272.94	
33 14 13 53-0004 EA 4" Diameter x 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372).....	279.43	
33 14 13 53-0005 EA 6" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372) .....	221.67	
33 14 13 53-0006 EA 6" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372) .....	287.86	
33 14 13 53-0007 EA 8" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372) .....	229.99	
33 14 13 53-0008 EA 8" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372) .....	300.47	
33 14 13 53-0009 EA 10" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372) .....	264.04	
33 14 13 53-0010 EA 10" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372) .....	316.34	
33 14 13 53-0011 EA 12" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372) .....	274.01	
33 14 13 53-0012 EA 12" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372) .....	327.17	
<b>33 14 13 53-0013 Double Bale Epoxy Coated Ductile Iron Body Service Saddles (33 14 13 53)</b>		
Note: Electro-galvanized steel bales. 5/8" listed taps are compression. 3/4" to 2" are either compression or NPT.		
33 14 13 53-0014 EA 1-1/4" To 1-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	132.53	
33 14 13 53-0015 EA 2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	132.68	
33 14 13 53-0016 EA 2" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	140.94	
33 14 13 53-0017 EA 2-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	136.12	
33 14 13 53-0018 EA 3" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	145.86	
33 14 13 53-0019 EA 3" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	164.76	
33 14 13 53-0020 EA 3" Diameter x 2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	175.64	
33 14 13 53-0021 EA 4" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	157.99	
33 14 13 53-0022 EA 4" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	177.10	
33 14 13 53-0023 EA 4" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	185.66	

<b>33</b>	<b>Utilities</b>
<b>33 10</b>	<b>Water Utilities</b>
<b>33 14</b>	<b>Water Utility Transmission and Distribution</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 53-0024	EA	5" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	166.39	
33 14 13 53-0025	EA	5" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	186.25	
33 14 13 53-0026	EA	5" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	194.75	
33 14 13 53-0027	EA	6" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	175.25	
33 14 13 53-0028	EA	6" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	194.39	
33 14 13 53-0029	EA	6" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	202.71	
33 14 13 53-0030	EA	6" Diameter x 3" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	339.17	
33 14 13 53-0031	EA	6" Diameter x 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	345.67	
33 14 13 53-0032	EA	8" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	192.56	
33 14 13 53-0033	EA	8" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	216.70	
33 14 13 53-0034	EA	8" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	224.09	
33 14 13 53-0035	EA	8" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	411.45	
33 14 13 53-0036	EA	10" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	222.31	
33 14 13 53-0037	EA	10" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	252.25	
33 14 13 53-0038	EA	10" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	468.14	
33 14 13 53-0039	EA	12" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	245.94	
33 14 13 53-0040	EA	12" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	277.88	
33 14 13 53-0041	EA	12" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	286.96	
33 14 13 53-0042	EA	12" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	531.66	
33 14 13 53-0043	EA	14" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	299.96	
33 14 13 53-0044	EA	14" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	323.92	
33 14 13 53-0045	EA	14" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	352.86	
33 14 13 53-0046	EA	14" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	677.30	
33 14 13 53-0047	EA	15" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	306.45	
33 14 13 53-0048	EA	15" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	360.13	
33 14 13 53-0049	EA	15" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	375.32	
33 14 13 53-0050	EA	15" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	732.86	
33 14 13 53-0051	EA	16" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	320.58	
33 14 13 53-0052	EA	16" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	376.41	
33 14 13 53-0053	EA	16" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	392.11	
33 14 13 53-0054	EA	16" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	763.30	
33 14 13 53-0055	EA	18" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	362.90	
33 14 13 53-0056	EA	18" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	429.52	
33 14 13 53-0057	EA	20" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	426.23	
33 14 13 53-0058	EA	20" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	476.11	
33 14 13 53-0059	EA	24" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	446.11	
33 14 13 53-0060	EA	24" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	511.36	

### 33 14 13 53-0061 Double Bale Bronze Service Saddles (33 14 13 53)

33 14 13 53-0062	EA	4" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	201.47	
33 14 13 53-0063	EA	4" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	223.10	
33 14 13 53-0064	EA	6" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	230.63	
33 14 13 53-0065	EA	6" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	252.50	
33 14 13 53-0066	EA	8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	262.63	
33 14 13 53-0067	EA	8" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	276.10	
33 14 13 53-0068	EA	10" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	246.77	
33 14 13 53-0069	EA	10" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	264.10	
33 14 13 53-0070	EA	12" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	335.36	
33 14 13 53-0071	EA	12" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	366.46	
33 14 13 53-0072	EA	14" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	552.90	
33 14 13 53-0073	EA	14" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	634.09	
33 14 13 53-0074	EA	16" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	651.39	
33 14 13 53-0075	EA	16" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	736.22	

### 33 14 13 53-0076 Stainless Steel Double Straps, Bronze Body Service Saddle (33 14 13 53)

Note: Taps are compression or NPT.

33 14 13 53-0077	EA	4" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	215.85	
33 14 13 53-0078	EA	4" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	241.25	
33 14 13 53-0079	EA	6" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	247.61	
33 14 13 53-0080	EA	6" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	271.91	
33 14 13 53-0081	EA	8" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	283.63	
33 14 13 53-0082	EA	8" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	298.23	
33 14 13 53-0083	EA	10" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	326.82	
33 14 13 53-0084	EA	10" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	352.05	
33 14 13 53-0085	EA	12" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	354.61	
33 14 13 53-0086	EA	12" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	388.18	
33 14 13 53-0087	EA	14" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	600.59	
33 14 13 53-0088	EA	14" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	701.53	
33 14 13 53-0089	EA	16" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	707.97	
33 14 13 53-0090	EA	16" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	777.29	
33 14 13 53-0091	EA	18" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	1,065.44	
33 14 13 53-0092	EA	18" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	1,065.44	



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
33 14 13 53-0093	EA	20" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,106.13		
33 14 13 53-0094	EA	20" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,106.13		
33 14 13 53-0095	EA	24" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,187.26		
33 14 13 53-0096	EA	24" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,187.26		
<b>33 14 13 53-0097 Ductile Iron Mechanical Joint Tapping Sleeve <small>(33 14 13 53)</small></b>					
33 14 13 53-0098	EA	4" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,079.40		
33 14 13 53-0099	EA	6" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,297.43		
33 14 13 53-0100	EA	8" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,563.61		
33 14 13 53-0101	EA	8" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,665.90		
33 14 13 53-0102	EA	10" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,687.26		
33 14 13 53-0103	EA	10" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,834.22		
33 14 13 53-0104	EA	10" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,891.79		
33 14 13 53-0105	EA	12" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,784.74		
33 14 13 53-0106	EA	12" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,931.10		
33 14 13 53-0107	EA	12" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,301.49		
33 14 13 53-0108	EA	12" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,388.33		
33 14 13 53-0109	EA	14" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	5,973.14		
33 14 13 53-0110	EA	14" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,139.76		
33 14 13 53-0111	EA	14" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,209.38		
33 14 13 53-0112	EA	14" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,233.85		
33 14 13 53-0113	EA	14" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,464.53		
33 14 13 53-0114	EA	16" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,438.96		
33 14 13 53-0115	EA	16" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,451.96		
33 14 13 53-0116	EA	16" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,639.28		
33 14 13 53-0117	EA	16" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,676.11		
33 14 13 53-0118	EA	16" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,717.61		
33 14 13 53-0119	EA	16" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,637.07		
33 14 13 53-0120	EA	16" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,039.09		
33 14 13 53-0121	EA	18" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,107.22		
33 14 13 53-0122	EA	18" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,542.25		
33 14 13 53-0123	EA	18" Diameter x 8", 10", 12" Or 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,638.73		
33 14 13 53-0124	EA	18" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,960.13		
33 14 13 53-0125	EA	20" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,378.14		
33 14 13 53-0126	EA	20" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,030.76		
33 14 13 53-0127	EA	20" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,190.74		
33 14 13 53-0128	EA	20" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,247.37		
33 14 13 53-0129	EA	20" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,567.68		
33 14 13 53-0130	EA	20" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,871.04		
33 14 13 53-0131	EA	20" Diameter x 16", 18" Or 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,080.34		
33 14 13 53-0132	EA	24" Diameter x 4", 6" Or 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,186.86		
33 14 13 53-0133	EA	24" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,321.02		
33 14 13 53-0134	EA	24" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,355.38		
33 14 13 53-0135	EA	24" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	14,693.89		
33 14 13 53-0136	EA	24" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	14,876.38		
33 14 13 53-0137	EA	24" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	14,902.37		
33 14 13 53-0138	EA	24" Diameter x 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	15,319.59		
33 14 13 53-0139	EA	24" Diameter x 24" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	15,507.71		
<b>33 14 13 53-0140 Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve <small>(33 14 13 53)</small></b>					
33 14 13 53-0141	EA	4" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	894.00		
33 14 13 53-0142	EA	6" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	924.94		
33 14 13 53-0143	EA	6" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,024.62		
33 14 13 53-0144	EA	8" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,034.20		
33 14 13 53-0145	EA	8" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,078.96		
33 14 13 53-0146	EA	8" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,273.67		
33 14 13 53-0147	EA	10" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,117.39		
33 14 13 53-0148	EA	10" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,160.69		
33 14 13 53-0149	EA	10" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,330.65		
33 14 13 53-0150	EA	10" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,960.00		
33 14 13 53-0151	EA	12" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,240.11		
33 14 13 53-0152	EA	12" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,308.24		
33 14 13 53-0153	EA	12" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,475.33		
33 14 13 53-0154	EA	12" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,038.09		
33 14 13 53-0155	EA	12" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,250.10		
33 14 13 53-0156	EA	14" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,694.03		
33 14 13 53-0157	EA	14" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,748.69		
33 14 13 53-0158	EA	14" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,118.53		
33 14 13 53-0159	EA	14" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,579.41		
33 14 13 53-0160	EA	14" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,875.68		
33 14 13 53-0161	EA	16" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,037.51		
33 14 13 53-0162	EA	16" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,094.26		
33 14 13 53-0163	EA	16" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,335.75		
33 14 13 53-0164	EA	16" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,999.19		
33 14 13 53-0165	EA	16" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,148.47		
33 14 13 53-0166	EA	18" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,114.53		
33 14 13 53-0167	EA	18" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,225.34		
33 14 13 53-0168	EA	18" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,383.12		
33 14 13 53-0169	EA	18" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,165.53		

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0170 EA 18" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,314.62	
33 14 13 53-0171 EA 20" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,595.03	
33 14 13 53-0172 EA 20" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,651.64	
33 14 13 53-0173 EA 20" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,017.95	
33 14 13 53-0174 EA 20" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,644.20	
33 14 13 53-0175 EA 20" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,904.25	
33 14 13 53-0176 EA 24" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,776.18	
33 14 13 53-0177 EA 24" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,911.97	
33 14 13 53-0178 EA 24" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,098.79	
33 14 13 53-0179 EA 24" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,991.76	
33 14 13 53-0180 EA 24" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	4,147.62	
<b>33 14 13 53-0181 Stainless Steel Flange, Stainless Steel Tapping Sleeve (33 14 13 53)</b>		
33 14 13 53-0182 EA 4" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,066.81	
33 14 13 53-0183 EA 6" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,143.20	
33 14 13 53-0184 EA 6" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,214.81	
33 14 13 53-0185 EA 8" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,216.77	
33 14 13 53-0186 EA 8" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,300.76	
33 14 13 53-0187 EA 8" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,571.20	
33 14 13 53-0188 EA 10" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,400.04	
33 14 13 53-0189 EA 10" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,494.22	
33 14 13 53-0190 EA 10" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,735.60	
33 14 13 53-0191 EA 10" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,442.65	
33 14 13 53-0192 EA 12" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,587.10	
33 14 13 53-0193 EA 12" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,719.08	
33 14 13 53-0194 EA 12" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,041.12	
33 14 13 53-0195 EA 12" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,463.69	
33 14 13 53-0196 EA 12" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,784.43	
33 14 13 53-0197 EA 14" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,808.36	
33 14 13 53-0198 EA 14" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,972.48	
33 14 13 53-0199 EA 14" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,336.35	
33 14 13 53-0200 EA 14" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,759.32	
33 14 13 53-0201 EA 14" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,978.41	
33 14 13 53-0202 EA 16" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,245.19	
33 14 13 53-0203 EA 16" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,473.18	
33 14 13 53-0204 EA 16" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,644.56	
33 14 13 53-0205 EA 16" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,100.10	
33 14 13 53-0206 EA 16" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,405.96	
33 14 13 53-0207 EA 18" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,449.75	
33 14 13 53-0208 EA 18" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,795.37	
33 14 13 53-0209 EA 18" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,974.68	
33 14 13 53-0210 EA 18" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,373.78	
33 14 13 53-0211 EA 18" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,905.00	
33 14 13 53-0212 EA 20" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,614.83	
33 14 13 53-0213 EA 20" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,959.54	
33 14 13 53-0214 EA 20" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,103.36	
33 14 13 53-0215 EA 20" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,854.56	
33 14 13 53-0216 EA 20" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	4,268.31	
33 14 13 53-0217 EA 24" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,141.76	
33 14 13 53-0218 EA 24" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,182.35	
33 14 13 53-0219 EA 24" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,356.78	
33 14 13 53-0220 EA 24" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	4,255.36	
33 14 13 53-0221 EA 24" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	4,730.34	
<b>33 14 13 53-0222 Ductile Iron Body, Flanged Coupling Adapter (33 14 13 53)</b>		
33 14 13 53-0223 EA 3" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	277.62	38.93
33 14 13 53-0224 EA 4" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	347.55	49.10
33 14 13 53-0225 EA 6" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	453.90	67.71
33 14 13 53-0226 EA 8" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	596.26	79.56
33 14 13 53-0227 EA 10" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	970.78	89.72
33 14 13 53-0228 EA 12" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	1,083.20	101.57
<b>33 14 13 53-0229 Steel Body, Flanged Coupling Adapter (33 14 13 53)</b>		
33 14 13 53-0230 EA 3" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	422.58	38.93
33 14 13 53-0231 EA 4" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	496.70	49.10
33 14 13 53-0232 EA 6" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	661.08	67.71
33 14 13 53-0233 EA 8" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	811.88	79.56
33 14 13 53-0234 EA 10" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	998.44	89.72
33 14 13 53-0235 EA 12" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	1,166.38	101.57
33 14 13 53-0236 EA 14" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	1,394.50	111.73
33 14 13 53-0237 EA 16" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	1,661.77	121.88
33 14 13 53-0238 EA 18" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	1,972.14	134.07
33 14 13 53-0239 EA 20" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	2,341.22	147.48
<b>33 14 13 53-0240 Steel Body, Flanged-Lock Restrained Coupling Adapters (33 14 13 53)</b>		
33 14 13 53-0241 EA 4" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	357.24	49.10



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0242 EA 6" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	477.83	67.71
33 14 13 53-0243 EA 8" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	524.65	79.56
33 14 13 53-0244 EA 10" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	791.75	89.72
33 14 13 53-0245 EA 12" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	1,020.79	101.57
33 14 13 53-0246 EA 14" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	1,147.06	111.73
33 14 13 53-0247 EA 16" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	1,357.55	121.88
33 14 13 53-0248 EA 18" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	1,526.12	134.07
33 14 13 53-0249 EA 20" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	1,847.36	147.48
33 14 13 53-0250 EA 24" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	2,240.44	162.24
33 14 13 53-0251 EA 30" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	4,821.35	178.42
33 14 13 53-0252 EA 36" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911).....	6,550.04	196.30
<b>33 14 13 53-0253 Ductile Iron Body, Omni Coupling System (33 14 13 53)</b>		
33 14 13 53-0254 EA 2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	116.30	27.09
33 14 13 53-0255 EA 2-1/2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	144.67	32.16
33 14 13 53-0256 EA 3" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	179.95	38.93
33 14 13 53-0257 EA 4" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	225.79	49.10
33 14 13 53-0258 EA 6" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	299.08	67.71
33 14 13 53-0259 EA 8" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	366.01	79.56
33 14 13 53-0260 EA 10" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	466.67	89.72
33 14 13 53-0261 EA 12" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	549.00	101.57
33 14 13 53-0262 EA 14" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	802.06	111.73
33 14 13 53-0263 EA 16" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	1,017.55	121.88
<b>33 14 15 Water Service Connections (33 14)</b>		
<b>33 14 15 23 Water Service Hydrants (33 14 15)</b>		
<b>33 14 15 23-0001 Yard Hydrants (33 14 15 23)</b>		
Note: With 3/4" hose thread outlet.		
33 14 15 23-0002 EA 2" Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	299.18	21.24
33 14 15 23-0003 EA 4" Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	324.25	21.24
33 14 15 23-0004 EA 6" Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	349.33	21.24
33 14 15 23-0005 EA 2" Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	214.82	26.91
33 14 15 23-0006 EA 4" Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	225.59	26.91
33 14 15 23-0007 EA 6" Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	236.36	26.91
<b>33 14 15 23-0008 Sanitary Yard Hydrants (33 14 15 23)</b>		
Note: With 3/4" hose thread outlet.		
33 14 15 23-0009 EA 2" Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	1,470.11	44.25
33 14 15 23-0010 EA 4" Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	1,548.47	44.25
33 14 15 23-0011 EA 6" Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	1,626.83	44.25
<b>33 14 15 23-0012 Flushing Hydrants (33 14 15 23)</b>		
33 14 15 23-0013 EA 2" Inlet x 2-1/2" Outlet Steel Flushing Hydrant, 3' Bury Depth.....	490.69	27.43
<b>33 14 19 Valves and Hydrants for Water Utility Service (33 14)</b>		
Note: Flanged valves excludes bolt and gasket set. See CSI section 23 21 13 23-0577 for bolt and gasket sets.		
<b>33 14 19 00-0001 Accessories For Valves (33 14 19)</b>		
33 14 19 00-0002 EA 1" Valve Extension Stem.....	68.06	
For Each Additional LF, Add 4.91		
33 14 19 00-0003 EA Up to 80" Long Indicator Post Telescoping Barrel Assembly.....	932.20	65.19
Note: Excludes valve.		
33 14 19 00-0004 EA >80" To 114" Long Indicator Post Telescoping Barrel Assembly.....	1,057.19	71.70
Note: Excludes valve.		
33 14 19 00-0005 EA Valve Extension Stem, 4' Add To Gate Or Plug Valve.....	149.32	
<b>33 14 19 00-0006 Roadway Or Curb Valve Boxes (33 14 19)</b>		
<b>33 14 19 00-0007 Round Head, Cast Iron Service, Roadway Or Valve Boxes (33 14 19 00-0006)</b>		
33 14 19 00-0008 EA 36" To 48" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	168.34	8.60
Note: Includes cover, top section and bottom section.		
33 14 19 00-0009 EA 36" To 54" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	196.73	8.60
Note: Includes cover, top section and bottom section.		
33 14 19 00-0010 EA 42" To 60" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	198.04	8.60
Note: Includes cover, top section and bottom section.		
33 14 19 00-0011 EA 9" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	49.18	4.31
33 14 19 00-0012 EA 16" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	56.69	4.31
33 14 19 00-0013 EA 24" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	68.00	4.31
33 14 19 00-0014 EA 36" To 48" High, Screw Type, 4-1/4" Shaft, Round Head, Cast Iron Roadway Box.....	255.68	10.76
Note: Includes cover, top section and bottom section.		
33 14 19 00-0015 EA 45" To 54" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	445.82	15.05
Note: Includes cover, top section, bottom section and #6 round base.		
33 14 19 00-0016 EA 45" To 66" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	498.76	15.05
Note: Includes cover, top section, bottom section and #6 round base.		



**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0017 EA 24" To 36" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	266.19	10.76
Note: Includes cover, top section and bottom section.		
33 14 19 00-0018 EA 36" To 48" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	278.84	10.76
Note: Includes cover, top section and bottom section.		
33 14 19 00-0019 EA 24" To 36" High, Two Piece, Slip Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	269.17	10.76
Note: Includes cover, top section and bottom section.		
33 14 19 00-0020 EA 12" Extension For Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	97.22	4.31
33 14 19 00-0021 EA 18" To 24" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	159.92	17.71
33 14 19 00-0022 EA 22" To 28" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	165.66	18.41
33 14 19 00-0023 EA 30" To 36" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	184.53	19.12
33 14 19 00-0024 EA 36" To 48" High Round Head Cast Iron Roadway Or Curb Valve Box.....	257.33	20.18
33 14 19 00-0025 EA 48" To 60" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	311.45	21.24
33 14 19 00-0026 EA 18" Cast Iron Service Box Extension Section.....	73.74	
<b>33 14 19 00-0027 Curb Box Components (33 14 19 00-0006)</b>		
33 14 19 00-0028 EA Curb Box Bolt.....	6.48	
33 14 19 00-0029 EA Curb Box Cover.....	9.56	
33 14 19 00-0030 EA Curb Box Foot Piece.....	6.89	
33 14 19 00-0031 EA Curb Box Guide Ring.....	5.90	
33 14 19 00-0032 EA Curb Box Rod.....	28.68	
33 14 19 00-0033 EA Curb Box Top Section.....	39.93	
33 14 19 00-0034 EA Curb Box Bottom Section.....	42.02	
33 14 19 00-0035 EA Curb Box Pin, Secures Rod To Curb Box.....	5.92	
<b>33 14 19 00-0036 Plastic Roadway Grade Water Meter Box And Cover (33 14 19 00-0006)</b>		
33 14 19 00-0037 EA 12" Wide x 16" Long x 16" Deep Plastic Meter Box And Cover.....	231.30	24.78
33 14 19 00-0038 EA 9-3/4" Wide x 19-1/4" Long x 16" Deep Oval Plastic Meter Box And Cover.....	174.59	17.71
33 14 19 00-0039 EA Cast Iron Lid For Plastic Meter Box.....	53.25	
<b>33 14 19 00-0040 Valve Box Components (33 14 19 00-0006)</b>		
33 14 19 00-0041 EA Valve Box Upper And Lower Section.....	80.81	
33 14 19 00-0042 EA Valve Box Cover "Water".....	13.31	
33 14 19 00-0043 EA Valve Box Lower Section, 4-1/2" x 6" Cutout.....	63.21	
33 14 19 00-0044 EA Valve Box Top Section.....	32.45	
33 14 19 00-0045 EA Valve Box Extension, 17".....	38.48	
33 14 19 00-0046 EA Meter, Cover, Single, Remote Sensor.....	25.95	
33 14 19 00-0047 EA Meter, Frame, Double, 15" Diameter.....	51.86	
33 14 19 00-0048 EA Meter, Frame, Double, 18" Diameter.....	50.77	
33 14 19 00-0049 EA Meter, Frame, Double, 21" Diameter.....	112.19	
33 14 19 00-0050 EA Extension Ring, 18" Meter Frame, 24" Pit.....	99.36	
33 14 19 00-0051 EA Meter, Housing, Concrete Or Clay, 21" Diameter.....	159.70	
33 14 19 00-0052 EA Meter, Housing, Clay, 24" Diameter.....	267.30	
33 14 19 00-0053 EA Meter, Housing, PE, 18" Diameter.....	75.07	
33 14 19 00-0054 EA Meter, Housing, PE, 24" Diameter.....	120.96	
33 14 19 00-0055 EA Reclaimed Water, Polymer Meter Box.....	113.67	
33 14 19 00-0056 EA Reclaimed Water, Commercial Meter Box.....	181.72	
33 14 19 00-0057 EA Reclaimed Water, Industrial Meter Box.....	225.16	
33 14 19 00-0058 EA 3/4" And 1" CDR Meter Box.....	100.14	
33 14 19 00-0059 EA CDR For 1" Dual Check Meter Box.....	160.73	
33 14 19 00-0060 EA 5/8" x 3/4" Residential Potable Water Meter And Backflow Box.....	100.14	
33 14 19 00-0061 EA 5/8" x 1" Residential Potable Water Meter And Backflow Box.....	100.14	
33 14 19 00-0062 EA 17" x 30" Industrial Potable Water/Backflow Meter Boxes.....	198.95	
33 14 19 00-0063 EA 17" x 30" Industrial Bottom Potable Water/Backflow Meter Boxes.....	198.95	
33 14 19 00-0064 EA 13"W x 24"L x 2" Thick Replacement Lids.....	64.47	
33 14 19 00-0065 EA CDR Meter Box Cover.....	29.92	
33 14 19 00-0066 EA Industrial Meter Box Lids.....	63.15	
33 14 19 00-0067 EA Industrial Meter And Backflow Box Lids.....	69.34	
33 14 19 00-0068 EA Residential Reclaimed Water Meter Box Lids.....	36.88	
33 14 19 00-0069 EA Industrial Reclaimed Water Meter Box Lids.....	78.46	
33 14 19 00-0070 EA 11" x 18" Potable Water Meter And Backflow Box Residential Lids.....	30.70	
Note: With 4" x 6" hinged door		
<b>33 14 19 00-0071 Watertight Limited Access Environmental Manhole (33 14 19 00-0006)</b>		
33 14 19 00-0072 EA 8" x 12" Watertight Limited Access Environmental Manhole With Bolt Down Lid.....	126.60	
Note: Cast iron lid and ring with galvanized steel skirt. 8" diameter opening and 11-1/4" depth. Lid has "Monitoring Well" designation.		
33 14 19 00-0073 EA 12" x 12" Watertight Limited Access Environmental Manhole With Bolt Down Lid.....	187.55	
Note: Cast iron lid and ring with galvanized steel skirt. 12" diameter opening and 11-1/4" depth. Lid has "Monitoring Well" designation.		
33 14 19 00-0074 EA 18" x 12" Watertight Limited Access Environmental Manhole With Bolt Down Lid.....	409.86	
Note: Cast iron lid and ring with galvanized steel skirt. 18" diameter opening and 11-1/4" depth. Lid has "Monitoring Well" designation.		
<b>33 14 19 00-0075 Remove And Reinstall Meter (33 14 19 00-0006)</b>		
Note: Includes removal, cleaning, capping ends, protection of meter, storage, and reinstallation.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0076 EA Remove And Reinstall House Meter.....99.07 Note: Includes removal, cleaning, capping ends, protection of meter, storage, and reinstallation.	99.07	
<b>33 14 19 00-0077 Roadway Utility Box</b> <small>(33 14 19)</small>		
<b>33 14 19 00-0078 Utility Box</b> <small>(33 14 19 00-0077)</small> Note: Christy Concrete Products.		
<b>33 14 19 00-0079 B3 Utility Box, 9-3/8" x 15-1/2"</b> <small>(33 14 19 00-0078)</small>		
33 14 19 00-0080 EA 9-3/8" x 15-1/2" Precast Concrete Utility Box.....58.66	58.66	32.48
33 14 19 00-0081 EA Cast Iron Lid For 9-3/8" x 15-1/2" Utility Box.....50.61	50.61	3.61
33 14 19 00-0082 EA Reinforced Concrete Lid For 9-3/8" x 15-1/2" Utility Box.....22.48	22.48	3.61
33 14 19 00-0083 EA Steel Checkered Plate Cover For 9-3/8" x 15-1/2" Utility Box.....107.80	107.80	3.61
33 14 19 00-0084 EA 12-1/8" x 18-5/8" Reinforced Concrete Slab For 9-3/8" x 15-1/2" Utility Box.....33.28	33.28	7.22
33 14 19 00-0085 EA 3" High Reinforced Concrete Base For 9-3/8" x 15-1/2" Utility Box.....45.71	45.71	7.22
<b>33 14 19 00-0086 B9 Utility Box, 10-1/4" x 17-1/4"</b> <small>(33 14 19 00-0078)</small>		
33 14 19 00-0087 EA 10-1/4" x 17-1/4" Precast Concrete Utility Box.....72.47	72.47	43.31
33 14 19 00-0088 EA Cast Iron Lid For 10-1/4" x 17-1/4" Utility Box.....59.35	59.35	4.33
33 14 19 00-0089 EA Reinforced Concrete Lid For 10-1/4" x 17-1/4" Utility Box.....25.17	25.17	4.33
33 14 19 00-0090 EA Steel Checkered Plate Cover For 10-1/4" x 17-1/4" Utility Box.....112.97	112.97	3.61
33 14 19 00-0091 EA 13" x 19-3/4" Reinforced Concrete Slab For 10-1/4" x 17-1/4" Utility Box.....36.70	36.70	7.22
33 14 19 00-0092 EA 5-3/4" High Reinforced Concrete Base For 10-1/4" x 17-1/4" Utility Box.....49.93	49.93	10.82
33 14 19 00-0093 EA 12" High Reinforced Concrete Extension For 10-1/4" x 17-1/4" Utility Box.....63.89	63.89	19.84
<b>33 14 19 00-0094 B12 Utility Box, 12" x 20"</b> <small>(33 14 19 00-0078)</small>		
33 14 19 00-0095 EA 12" x 20" Precast Concrete Utility Box.....79.43	79.43	46.91
33 14 19 00-0096 EA Cast Iron Lid For 12" x 20" Utility Box.....105.27	105.27	5.41
33 14 19 00-0097 EA Reinforced Concrete Lid For 12" x 20" Utility Box.....34.70	34.70	7.22
33 14 19 00-0098 EA Steel Checkered Plate Cover For 12" x 20" Utility Box.....153.53	153.53	7.22
33 14 19 00-0099 EA 12" High Reinforced Concrete Extension For 12" x 20" Utility Box.....82.88	82.88	25.27
<b>33 14 19 00-0100 B16 Utility Box, 12" x 22-1/4"</b> <small>(33 14 19 00-0078)</small>		
33 14 19 00-0101 EA 12" x 22-1/4" Precast Concrete Utility Box.....91.72	91.72	54.85
33 14 19 00-0102 EA Cast Iron Lid For 12" x 22-1/4" Utility Box.....119.69	119.69	7.22
33 14 19 00-0103 EA Reinforced Concrete Lid For 12" x 22-1/4" Utility Box.....41.75	41.75	7.22
33 14 19 00-0104 EA Steel Checkered Plate Cover For 12" x 22-1/4" Utility Box.....154.37	154.37	7.22
33 14 19 00-0105 EA 16" x 27" Reinforced Concrete Slab For 12" x 22-1/4" Utility Box.....60.06	60.06	12.27
33 14 19 00-0106 EA 12" High Reinforced Concrete Extension For 12" x 22-1/4" Utility Box.....84.05	84.05	25.27
<b>33 14 19 00-0107 B30 Utility Box, 13-1/4" x 24"</b> <small>(33 14 19 00-0078)</small>		
33 14 19 00-0108 EA 13-1/4" x 24" Precast Concrete Utility Box (Christy B30BOX).....110.11	110.11	64.95
33 14 19 00-0109 EA Reinforced Concrete Lid For 13-1/4" x 24" Utility Box (Christy B30D).....57.47	57.47	11.55
33 14 19 00-0110 EA Steel Checkered Plate Cover For 13-1/4" x 24" Utility Box (Christy B30-61G).....191.15	191.15	9.38
33 14 19 00-0111 EA 16" x 27" Reinforced Concrete Slab For 13-1/4" x 24" Utility Box (Christy B30SL).....60.06	60.06	12.27
33 14 19 00-0112 EA 5-1/2" High Reinforced Concrete Base For 13-1/4" x 24" Utility Box (Christy B30BA).....92.96	92.96	20.20
33 14 19 00-0113 EA 6" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X6).....71.21	71.21	13.71
33 14 19 00-0114 EA 12" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X12).....108.73	108.73	32.48
<b>33 14 19 00-0115 B36 Utility Box, 17-1/4" x 30"</b> <small>(33 14 19 00-0078)</small>		
33 14 19 00-0116 EA 17-1/4" x 30" Precast Concrete Utility Box (Christy B36BOX).....143.04	143.04	82.28
33 14 19 00-0117 EA Reinforced Concrete Lid For 17-1/4" x 30" Utility Box (Christy B36D).....94.32	94.32	19.84
33 14 19 00-0118 EA Steel Checkered Plate Cover For 17-1/4" x 30" Utility Box (Christy B36-61D).....240.93	240.93	13.71
33 14 19 00-0119 EA 20" x 34" Reinforced Concrete Slab For 17-1/4" x 30" Utility Box (Christy B36SL).....90.41	90.41	25.99
33 14 19 00-0120 EA 6" High Reinforced Concrete Base For 17-1/4" x 30" Utility Box (Christy B36BA).....142.89	142.89	28.87
33 14 19 00-0121 EA 12" High Reinforced Concrete Extension For 17-1/4" x 30" Utility Box (Christy B36X12).....144.19	144.19	41.86
<b>33 14 19 00-0122 B40 Utility Box, 24-1/2" x 36"</b> <small>(33 14 19 00-0078)</small>		
33 14 19 00-0123 EA 24-1/2" x 36" Precast Concrete Utility Box.....281.48	281.48	127.03
33 14 19 00-0124 EA Reinforced Concrete Lid For 24-1/2" x 36" Utility Box.....253.64	253.64	47.64
33 14 19 00-0125 EA Steel Checkered Plate Cover For 24-1/2" x 36" Utility Box.....343.18	343.18	20.93
33 14 19 00-0126 EA 30" x 40" Reinforced Concrete Slab For 24-1/2" x 36" Utility Box.....211.27	211.27	44.75
33 14 19 00-0127 EA 10" High Reinforced Concrete Extension For 24-1/2" x 36" Utility Box.....223.77	223.77	46.91
<b>33 14 19 00-0128 B48 Utility Box, 30-1/4" x 48-1/4"</b> <small>(33 14 19 00-0078)</small>		
33 14 19 00-0129 EA 30-1/4" x 48-1/4" Precast Concrete Utility Box.....366.00	366.00	144.35
33 14 19 00-0130 EA 1 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box.....358.33	358.33	78.67
33 14 19 00-0131 EA 2 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box.....438.07	438.07	78.67
33 14 19 00-0132 EA 2 Piece Steel Checkered Plate Cover For 30-1/4" x 48-1/4" Utility Box.....545.29	545.29	36.09
33 14 19 00-0133 EA 36" x 53" Reinforced Concrete Slab For 30-1/4" x 48-1/4" Utility Box.....328.71	328.71	97.44
33 14 19 00-0134 EA 10" High Reinforced Concrete Extension For 30-1/4" x 48-1/4" Utility Box.....281.72	281.72	65.68

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 14 19 00-0135 B65 Utility Box, 15" x 26-1/2"</b> (33 14 19 00-0078)		
33 14 19 00-0136 EA 15" x 26-1/2" Precast Concrete Utility Box.....	118.05	82.28
33 14 19 00-0137 EA Reinforced Concrete Lid For 15" x 26-1/2" Utility Box.....	71.47	19.84
33 14 19 00-0138 EA Steel Checkered Plate Cover For 15" x 26-1/2" Utility Box.....	212.79	13.71
33 14 19 00-0139 EA 20" x 34" Reinforced Concrete Slab For 15" x 26-1/2" Utility Box.....	90.41	25.99
33 14 19 00-0140 EA 6" High Reinforced Concrete Base For 15" x 26-1/2" Utility Box.....	142.89	28.87
33 14 19 00-0141 EA 12" High Reinforced Concrete Extension For 15" x 26-1/2" Utility Box.....	127.01	41.86
<b>33 14 19 00-0142 Water Utility Distribution Valves</b> (33 14 19)		
<b>33 14 19 00-0143 Angle Valves</b> (33 14 19 00-0142)		
Note: For connecting meters to water service.		
<b>33 14 19 00-0144 Threaded, Class 150, Bronze Angle Valve</b> (33 14 19 00-0143)		
Note: Nibco T-335Y		
33 14 19 00-0145 EA 1/2" Threaded, Class 150, Bronze Angle Valve.....	80.87	11.33
33 14 19 00-0146 EA 3/4" Threaded, Class 150, Bronze Angle Valve.....	109.09	15.23
33 14 19 00-0147 EA 1" Threaded, Class 150, Bronze Angle Valve.....	148.73	18.77
33 14 19 00-0148 EA 1-1/4" Threaded, Class 150, Bronze Angle Valve.....	191.83	23.58
33 14 19 00-0149 EA 1-1/2" Threaded, Class 150, Bronze Angle Valve.....	241.46	27.26
33 14 19 00-0150 EA 2" Threaded, Class 150, Bronze Angle Valve.....	367.42	31.87
33 14 19 00-0151 EA 2-1/2" Threaded, Class 150, Bronze Angle Valve.....	595.39	43.48
33 14 19 00-0152 EA 3" Threaded, Class 150, Bronze Angle Valve.....	917.34	50.20
<b>33 14 19 00-0153 Ball Meter Valves</b> (33 14 19 00-0142)		
33 14 19 00-0154 EA 3/4" Ball Meter Valve (Ford B43-342W).....	80.22	17.71
Note: 1" service line size. Pack joint for copper or plastic tubing inlet by meter swivel nut.		
33 14 19 00-0155 EA 1" Ball Meter Valve (Ford B43-444W).....	87.04	18.77
Note: 1" service line size. Pack joint for copper or plastic tubing inlet by meter swivel nut.		
33 14 19 00-0156 EA 1-1/2" Ball Meter Valve (Ford BF43-666W).....	165.71	31.87
Note: 1-1/2" service line size. Pack joint for copper or plastic tubing inlet by meter flange.		
33 14 19 00-0157 EA 2" Ball Meter Valve (Ford BF43-777W).....	229.37	32.22
Note: 2" service line size. Pack joint for copper or plastic tubing inlet by meter flange.		
33 14 19 00-0158 EA 3/4" Threaded Ball Meter Valve (Mueller B-20200).....	81.79	17.71
33 14 19 00-0159 EA 1" Threaded Ball Meter Valve (Mueller B-20200).....	108.33	18.77
33 14 19 00-0160 EA 1-1/2" Threaded Ball Meter Valve (Mueller B-20200).....	195.24	31.87
33 14 19 00-0161 EA 2" Threaded Ball Meter Valve (Mueller B-20200).....	255.85	32.22
<b>33 14 19 00-0162 Butterfly Valves</b> (33 14 19 00-0142)		
<b>33 14 19 00-0163 Lug Type Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valves</b> (33 14 19 00-0162)		
33 14 19 00-0164 EA 3" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD8).....	1,186.73	120.37
33 14 19 00-0165 EA 3" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW8).....	1,361.59	120.37
33 14 19 00-0166 EA 4" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD8).....	1,286.37	186.24
33 14 19 00-0167 EA 4" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW8).....	1,461.23	186.24
33 14 19 00-0168 EA 6" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD8).....	1,500.39	208.08
33 14 19 00-0169 EA 6" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW8).....	1,676.35	208.08
33 14 19 00-0170 EA 8" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD8).....	1,723.74	265.89
33 14 19 00-0171 EA 8" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW8).....	1,899.69	265.89
33 14 19 00-0172 EA 10" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD16).....	2,272.37	323.69
33 14 19 00-0173 EA 10" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW20).....	2,717.18	323.69
33 14 19 00-0174 EA 12" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-HD24).....	2,668.58	392.34
33 14 19 00-0175 EA 12" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S1*MS-3-CW20).....	3,032.52	392.34



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0176 EA 14" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 14,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-HD12) .....	3,457.29	494.36
33 14 19 00-0177 EA 14" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-CW20) .....	4,055.11	494.36
33 14 19 00-0178 EA 16" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 16,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-HD16) .....	4,138.77	543.80
33 14 19 00-0179 EA 16" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-CW20) .....	4,519.10	543.80
33 14 19 00-0180 EA 18" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 18,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-HD16) .....	5,192.17	603.12
33 14 19 00-0181 EA 18" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-CW20) .....	49,288.50	603.12
33 14 19 00-0182 EA 20" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-HD30) .....	6,144.78	679.74
33 14 19 00-0183 EA 20" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S1*MS-7-CW20) .....	6,385.22	679.74
33 14 19 00-0184 EA 24" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S1,S304G0*MS-7-HD30) .....	9,087.86	834.23
33 14 19 00-0185 EA 24" Chainwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S1,S304G0*MS-7-CW20) .....	9,326.16	834.23
33 14 19 00-0186 EA 30" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,30,F1,DI,NBRN-NBR,150B,DI-S1-S304G0*MG-WR1-HD16) .....	20,829.09	1,432.63
33 14 19 00-0187 EA 36" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,36,F1,DI,NBRN-NBR,150B,DI-S1-S304G0*MG-WR1-HD16) .....	24,302.54	1,910.16
33 14 19 00-0188 EA 42" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,42,F1,DI,NBRN-NBR,150B,DI-S1-S304G0*MG-WR1-HD32) .....	31,055.96	2,865.24
33 14 19 00-0189 EA 48" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,48,F1,DI,NBRN-NBR,150B,DI-S1-S304G0*MG-WR3-HD24) .....	37,736.07	3,581.55
<b>33 14 19 00-0190</b> Lug Type Flanged, Butterfly Valve, Cast Iron Body, Cast Iron Disc With 316 Stainless Steel Edge <small>(33 14 19 00-0162)</small> Note: AWWA C-504.		
<b>33 14 19 00-0191</b> Aboveground Service <small>(33 14 19 00-0190)</small>		
<b>33 14 19 00-0192</b> Valve <small>(33 14 19 00-0191)</small>		
33 14 19 00-0193 EA 3" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504.....	611.56	110.82
33 14 19 00-0194 EA 4" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504.....	709.81	185.79
33 14 19 00-0195 EA 6" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504 .....	900.71	208.08
33 14 19 00-0196 EA 8" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504 .....	1,070.60	265.89
33 14 19 00-0197 EA 10" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504 .....	1,511.62	323.69
33 14 19 00-0198 EA 12" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504 .....	1,627.78	393.05
33 14 19 00-0199 EA 14" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504 .....	2,505.24	494.36
33 14 19 00-0200 EA 16" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504 .....	2,906.18	543.80
33 14 19 00-0201 EA 18" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504 .....	3,580.93	564.14
33 14 19 00-0202 EA 20" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504 .....	4,372.54	635.81
33 14 19 00-0203 EA 24" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504 .....	5,815.65	780.32
<b>33 14 19 00-0204</b> Valve With 120 Volt AC Electric Motor Operator <small>(33 14 19 00-0191)</small>		
33 14 19 00-0205 EA 3" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504, With 120 Volt AC Electric Motor Operator .....	3,984.99	110.82
33 14 19 00-0206 EA 4" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504, With 120 Volt AC Electric Motor Operator .....	4,088.75	185.79
33 14 19 00-0207 EA 6" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator .....	4,123.88	208.08
33 14 19 00-0208 EA 8" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator .....	4,281.36	265.89
33 14 19 00-0209 EA 10" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator.....	4,536.26	323.69
33 14 19 00-0210 EA 12" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator.....	5,216.28	393.05

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0211 EA 14" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator.....	5,607.09	494.36
33 14 19 00-0212 EA 16" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator.....	6,118.32	543.80
33 14 19 00-0213 EA 18" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator.....	8,589.86	603.12
33 14 19 00-0214 EA 20" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator.....	9,430.09	679.74
<b>33 14 19 00-0215 Valve With Pneumatic Or Hydraulic Motor Operator (33 14 19 00-0191)</b>		
33 14 19 00-0216 EA 3" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504, With Pneumatic Or Hydraulic Operator.....	1,769.58	110.82
33 14 19 00-0217 EA 4" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504, With Pneumatic Or Hydraulic Operator.....	1,873.34	185.79
33 14 19 00-0218 EA 6" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator.....	1,951.20	208.08
33 14 19 00-0219 EA 8" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator.....	2,107.31	265.89
33 14 19 00-0220 EA 10" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator.....	2,869.54	323.69
33 14 19 00-0221 EA 12" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator.....	3,101.51	393.05
33 14 19 00-0222 EA 14" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator.....	3,435.80	494.36
33 14 19 00-0223 EA 16" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator.....	3,853.28	543.80
33 14 19 00-0224 EA 18" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator.....	4,165.94	603.12
33 14 19 00-0225 EA 20" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator.....	5,873.30	679.74
33 14 19 00-0226 EA 24" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator.....	9,525.47	780.32
<b>33 14 19 00-0227 Buried Service (33 14 19 00-0190)</b>		
33 14 19 00-0228 EA 4" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504, Buried Service.....	1,178.53	185.79
33 14 19 00-0229 EA 6" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service.....	1,248.12	208.08
33 14 19 00-0230 EA 8" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service.....	1,662.02	265.89
33 14 19 00-0231 EA 10" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service.....	2,442.17	323.69
33 14 19 00-0232 EA 12" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service.....	2,585.91	393.05
33 14 19 00-0233 EA 14" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service.....	4,064.44	494.36
33 14 19 00-0234 EA 16" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service.....	4,779.70	543.80
33 14 19 00-0235 EA 18" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service.....	6,009.12	603.12
33 14 19 00-0236 EA 20" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service.....	7,039.59	679.74
33 14 19 00-0237 EA 24" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service.....	10,080.89	834.23
<b>33 14 19 00-0238 Check Valves (33 14 19 00-0142)</b>		
<b>33 14 19 00-0239 Flanged, Swing Type Gravity Operated Check Valves (33 14 19 00-0238)</b>		
Note: AWWA C508. Bronze disc facing. Mueller A-2600-6.		
33 14 19 00-0240 EA 2-1/2" Flanged, Swing Type Gravity Operated Check Valve.....	550.53	94.52
33 14 19 00-0241 EA 3" Flanged, Swing Type Gravity Operated Check Valve.....	570.71	110.82
33 14 19 00-0242 EA 4" Flanged, Swing Type Gravity Operated Check Valve.....	811.37	140.15
33 14 19 00-0243 EA 4" x 6" Flanged, Swing Type Gravity Operated Check Valve.....	1,097.98	210.89
33 14 19 00-0244 EA 4" x 8" Flanged, Swing Type Gravity Operated Check Valve.....	1,145.77	235.52
33 14 19 00-0245 EA 6" Flanged, Swing Type Gravity Operated Check Valve.....	1,095.92	234.68
33 14 19 00-0246 EA 6" x 8" Flanged, Swing Type Gravity Operated Check Valve.....	1,418.93	266.76
33 14 19 00-0247 EA 6" x 10" Flanged, Swing Type Gravity Operated Check Valve.....	1,487.18	299.87
33 14 19 00-0248 EA 8" Flanged, Swing Type Gravity Operated Check Valve.....	1,545.68	299.87
33 14 19 00-0249 EA 10" Flanged, Swing Type Gravity Operated Check Valve.....	2,561.32	365.06
33 14 19 00-0250 EA 12" Flanged, Swing Type Gravity Operated Check Valve.....	3,842.67	273.79
33 14 19 00-0251 EA 14" Flanged, Swing Type Gravity Operated Check Valve.....	5,278.50	494.36
33 14 19 00-0252 EA 16" Flanged, Swing Type Gravity Operated Check Valve.....	6,996.31	543.80
33 14 19 00-0253 EA 18" Flanged, Swing Type Gravity Operated Check Valve.....	10,109.44	603.12
33 14 19 00-0254 EA 20" Flanged, Swing Type Gravity Operated Check Valve.....	11,765.17	679.74
<b>33 14 19 00-0255 Threaded, Bronze, Swing Type Check Valves (33 14 19 00-0238)</b>		
Note: Class 125. Watts WCV-2, Nibco T-413.		
33 14 19 00-0256 EA 1/4" Threaded, Bronze, Swing Type Check Valve.....	36.32	11.40
33 14 19 00-0257 EA 3/8" Threaded, Bronze, Swing Type Check Valve.....	37.40	11.40



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0258 EA 1/2" Threaded, Bronze, Swing Type Check Valve .....	34.32	11.40
33 14 19 00-0259 EA 3/4" Threaded, Bronze, Swing Type Check Valve .....	45.44	15.40
33 14 19 00-0260 EA 1" Threaded, Bronze, Swing Type Check Valve .....	46.71	18.62
33 14 19 00-0261 EA 1-1/4" Threaded, Bronze, Swing Type Check Valve .....	76.16	23.58
33 14 19 00-0262 EA 1-1/2" Threaded, Bronze, Swing Type Check Valve .....	94.02	27.26
33 14 19 00-0263 EA 2" Threaded, Bronze, Swing Type Check Valve .....	125.46	31.87
33 14 19 00-0264 EA 2-1/2" Threaded, Bronze, Swing Type Check Valve .....	151.40	43.48
<b>33 14 19 00-0265</b> <b>Combination Air Release Valves</b> (33 14 19 00-0142)		
33 14 19 00-0266 EA 1" Combination Air Release Valve .....	424.71	13.69
33 14 19 00-0267 EA 2" Combination Air Release Valve .....	684.89	23.46
<b>33 14 19 00-0268</b> <b>Corporation Stop And Curb Valve</b> (33 14 19 00-0142)		
Note: AWWA C800		
<b>33 14 19 00-0269</b> <b>Ball Corporation Valves</b> (33 14 19 00-0268)		
Note: Mueller B-25000.		
33 14 19 00-0270 EA 3/4" Ball Corporation Valve (Mueller B-25000) .....	61.98	13.69
33 14 19 00-0271 EA 1" Ball Corporation Valve (Mueller B-25000) .....	78.13	16.95
33 14 19 00-0272 EA 1-1/2" Ball Corporation Valve (Mueller B-25000) .....	144.50	24.78
33 14 19 00-0273 EA 2" Ball Corporation Valve (Mueller B-25000) .....	224.03	29.33
<b>33 14 19 00-0274</b> <b>Ground Key Corporation Valves</b> (33 14 19 00-0268)		
Note: Mueller B-15000.		
33 14 19 00-0275 EA 1/2" Ground Key Corporation Valve .....	45.73	11.74
33 14 19 00-0276 EA 3/4" Ground Key Corporation Valve .....	49.94	13.69
33 14 19 00-0277 EA 1" Ground Key Corporation Valve .....	68.99	16.95
33 14 19 00-0278 EA 1-1/4" Ground Key Corporation Valve .....	136.48	20.86
33 14 19 00-0279 EA 1-1/2" Ground Key Corporation Valve .....	139.93	24.78
33 14 19 00-0280 EA 2" Ground Key Corporation Valve .....	223.98	29.33
<b>33 14 19 00-0281</b> <b>Ball Curb Valves</b> (33 14 19 00-0268)		
Note: Mueller B-25204.		
33 14 19 00-0282 EA 3/4" Ball Curb Valve .....	77.57	13.69
33 14 19 00-0283 EA 1" Ball Curb Valve .....	103.88	16.95
33 14 19 00-0284 EA 1-1/2" Ball Curb Valve .....	204.11	24.78
33 14 19 00-0285 EA 2" Ball Curb Valve .....	311.33	29.33
<b>33 14 19 00-0286</b> <b>O Ring Seal Curb Valves</b> (33 14 19 00-0268)		
Note: Mueller H-15204.		
33 14 19 00-0287 EA 3/4" O Ring Seal Curb Valve .....	77.57	13.69
33 14 19 00-0288 EA 1" O Ring Seal Curb Valve .....	110.79	16.95
33 14 19 00-0289 EA 1-1/4" O Ring Seal Curb Valve .....	150.21	20.86
33 14 19 00-0290 EA 1-1/2" O Ring Seal Curb Valve .....	204.11	24.78
33 14 19 00-0291 EA 2" O Ring Seal Curb Valve .....	311.26	29.33
<b>33 14 19 00-0292</b> <b>Gate Valve, AWWA C500 And C509</b> (33 14 19 00-0142)		
<b>33 14 19 00-0293</b> <b>Gate Valve, Flanged</b> (33 14 19 00-0292)		
Note: Mueller A-2380-6.		
33 14 19 00-0294 EA 2" Gate Valve, Flanged .....	352.39	86.90
33 14 19 00-0295 EA 2-1/2" Gate Valve, Flanged .....	409.56	94.52
33 14 19 00-0296 EA 3" Gate Valve, Flanged .....	484.08	110.82
33 14 19 00-0297 EA 4" Gate Valve, Flanged .....	663.65	138.85
33 14 19 00-0298 EA 6" Gate Valve, Flanged .....	810.34	234.68
33 14 19 00-0299 EA 8" Gate Valve, Flanged .....	1,178.76	299.87
33 14 19 00-0300 EA 10" Gate Valve, Flanged .....	1,737.53	365.06
33 14 19 00-0301 EA 12" Gate Valve, Flanged .....	2,094.47	273.79
33 14 19 00-0302 EA 14" Gate Valve, Flanged .....	4,312.30	494.36
33 14 19 00-0303 EA 16" Gate Valve, Flanged .....	5,616.49	543.80
33 14 19 00-0304 EA 18" Gate Valve, Flanged .....	8,834.51	603.12
33 14 19 00-0305 EA 20" Gate Valve, Flanged .....	10,554.65	679.74
<b>33 14 19 00-0306</b> <b>Resilient Wedge Gate Valve, Flanged</b> (33 14 19 00-0292)		
Note: Mueller A-2360-6.		
33 14 19 00-0307 EA 2" Resilient Wedge Gate Valve, Flanged .....	338.60	86.90
33 14 19 00-0308 EA 2-1/2" Resilient Wedge Gate Valve, Flanged .....	393.08	94.52
33 14 19 00-0309 EA 3" Resilient Wedge Gate Valve, Flanged .....	464.53	110.82
33 14 19 00-0310 EA 4" Resilient Wedge Gate Valve, Flanged .....	641.80	138.85
33 14 19 00-0311 EA 6" Resilient Wedge Gate Valve, Flanged .....	781.13	234.68
33 14 19 00-0312 EA 8" Resilient Wedge Gate Valve, Flanged .....	1,133.13	299.87
33 14 19 00-0313 EA 10" Resilient Wedge Gate Valve, Flanged .....	1,665.01	365.06
33 14 19 00-0314 EA 12" Resilient Wedge Gate Valve, Flanged .....	2,006.91	273.79

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0315			<b>Gate Valve, Mechanical Joint</b> <small>(33 14 19 00-0292)</small> Note: Mueller A-2380-20.		
33 14 19 00-0316	EA		2" Gate Valve, Mechanical Joint .....	416.93	69.43
33 14 19 00-0317	EA		2-1/2" Gate Valve, Mechanical Joint .....	459.48	87.02
33 14 19 00-0318	EA		3" Gate Valve, Mechanical Joint .....	574.65	105.28
33 14 19 00-0319	EA		4" Gate Valve, Mechanical Joint .....	694.16	138.85
33 14 19 00-0320	EA		6" Gate Valve, Mechanical Joint .....	865.03	162.97
33 14 19 00-0321	EA		8" Gate Valve, Mechanical Joint .....	1,229.80	195.56
33 14 19 00-0322	EA		10" Gate Valve, Mechanical Joint .....	1,759.65	228.16
33 14 19 00-0323	EA		12" Gate Valve, Mechanical Joint .....	2,194.95	273.79
33 14 19 00-0324	EA		14" Gate Valve, Mechanical Joint .....	4,574.01	302.79
33 14 19 00-0325	EA		16" Gate Valve, Mechanical Joint .....	5,897.26	339.87
33 14 19 00-0326	EA		18" Gate Valve, Mechanical Joint .....	9,337.15	376.95
33 14 19 00-0327	EA		20" Gate Valve, Mechanical Joint .....	11,097.27	424.84
33 14 19 00-0328			<b>Resilient Wedge Gate Valve, Mechanical Joint</b> <small>(33 14 19 00-0292)</small> Note: Mueller A-2360-20.		
33 14 19 00-0329	EA		2" Resilient Wedge Gate Valve, Mechanical Joint .....	401.18	69.43
33 14 19 00-0330	EA		3" Resilient Wedge Gate Valve, Mechanical Joint .....	554.04	105.28
33 14 19 00-0331	EA		4" Resilient Wedge Gate Valve, Mechanical Joint .....	670.59	138.85
33 14 19 00-0332	EA		6" Resilient Wedge Gate Valve, Mechanical Joint .....	834.52	162.97
33 14 19 00-0333	EA		8" Resilient Wedge Gate Valve, Mechanical Joint .....	1,182.34	195.56
33 14 19 00-0334	EA		10" Resilient Wedge Gate Valve, Mechanical Joint .....	1,685.88	228.16
33 14 19 00-0335	EA		12" Resilient Wedge Gate Valve, Mechanical Joint .....	2,101.69	273.79
33 14 19 00-0336			<b>Resilient Wedge Gate Valve, Mechanical Joint X Flange Joint</b> <small>(33 14 19 00-0292)</small> Note: Mueller A-2361.		
33 14 19 00-0337	EA		14" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint .....	4,519.38	494.36
33 14 19 00-0338	EA		16" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint .....	4,912.55	543.80
33 14 19 00-0339	EA		18" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint .....	7,681.13	603.12
33 14 19 00-0340	EA		20" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint .....	9,171.35	679.74
33 14 19 00-0341	EA		24" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint .....	13,037.99	834.23
33 14 19 00-0342			<b>Gate Valve, Threaded, WW-V-51 Class A, Type 1</b> <small>(33 14 19 00-0292)</small> Note: NIBCO T-113.		
33 14 19 00-0343	EA		1/4" Gate Valve, Bronze, Threaded .....	44.02	11.40
33 14 19 00-0344	EA		3/8" Gate Valve, Bronze, Threaded .....	45.10	11.40
33 14 19 00-0345	EA		1/2" Gate Valve, Bronze, Threaded .....	44.03	11.40
33 14 19 00-0346	EA		3/4" Gate Valve, Bronze, Threaded .....	56.03	15.40
33 14 19 00-0347	EA		1" Gate Valve, Bronze, Threaded .....	69.42	18.62
33 14 19 00-0348	EA		1-1/4" Gate Valve, Bronze, Threaded .....	96.03	23.58
33 14 19 00-0349	EA		1-1/2" Gate Valve, Bronze, Threaded .....	111.58	27.26
33 14 19 00-0350	EA		2" Gate Valve, Bronze, Threaded .....	136.22	31.87
33 14 19 00-0351	EA		2-1/2" Gate Valve, Bronze, Threaded .....	280.36	43.48
33 14 19 00-0352	EA		3" Gate Valve, Bronze, Threaded .....	337.94	49.87
33 14 19 00-0353			<b>Cast Iron Body, Gate Valve, Epoxy Lined, Flanged, 200 LB With Non Rising Stem</b> <small>(33 14 19 00-0292)</small> Note: Resilient Wedge, Nonrising Stem, 200 PSI, ANSI/AWWA C509, C550 and C111/A21.11 (Jenkins G-700, 701).		
33 14 19 00-0354	EA		2" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 LB With Non Rising Stem .....	233.47	94.39
33 14 19 00-0355	EA		2-1/2" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 LB With Non Rising Stem .....	239.63	94.52
33 14 19 00-0356	EA		3" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 LB With Non Rising Stem .....	272.98	110.82
33 14 19 00-0357	EA		4" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 LB With Non Rising Stem .....	378.62	185.79
33 14 19 00-0358	EA		5" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 LB With Non Rising Stem .....	433.63	187.28
33 14 19 00-0359	EA		6" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 LB With Non Rising Stem .....	517.94	208.08
33 14 19 00-0360	EA		8" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 LB With Non Rising Stem .....	737.27	265.89
33 14 19 00-0361	EA		10" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 LB With Non Rising Stem .....	1,011.18	323.69
33 14 19 00-0362	EA		12" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 LB With Non Rising Stem .....	1,197.66	393.05
33 14 19 00-0363			<b>Cast Iron Body, Gate Valve, Epoxy Coated With Rubber Coated Disc, Flanged, 200 LB With Non Rising Stem</b> <small>(33 14 19 00-0292)</small> Note: Resilient Wedge, OS&Y, 200 PSI, ANSI/AWWA C509, C550 & C111/A21.11.		
33 14 19 00-0364	EA		2-1/2" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 LB With Non Rising Stem .....	340.47	94.52
33 14 19 00-0365	EA		3" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 LB With Non Rising Stem .....	382.71	110.82
33 14 19 00-0366	EA		4" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 LB With Non Rising Stem .....	554.02	185.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0367 EA 6" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 LB With Non Rising Stem .....	782.15	208.08
33 14 19 00-0368 EA 8" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 LB With Non Rising Stem .....	1,212.59	265.89
33 14 19 00-0369 EA 10" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 LB With Non Rising Stem .....	1,802.50	323.69
33 14 19 00-0370 EA 12" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 LB With Non Rising Stem .....	2,865.77	393.05
<b>33 14 19 00-0371</b> <b>Globe Valve, AWWA</b> (33 14 19 00-0142)		
<b>33 14 19 00-0372</b> <b>Globe Valve, Threaded, WW-V-51 Class B, Type 1</b> (33 14 19 00-0371) Note: NIBCO T-235.		
33 14 19 00-0373 EA 1/8" Globe Valve, Threaded.....	65.35	11.40
33 14 19 00-0374 EA 1/4" Globe Valve, Threaded.....	63.17	11.40
33 14 19 00-0375 EA 3/8" Globe Valve, Threaded.....	64.25	11.40
33 14 19 00-0376 EA 1/2" Globe Valve, Threaded.....	65.35	11.40
33 14 19 00-0377 EA 3/4" Globe Valve, Threaded.....	88.83	15.40
33 14 19 00-0378 EA 1" Globe Valve, Threaded.....	127.52	18.62
33 14 19 00-0379 EA 1-1/4" Globe Valve, Threaded.....	189.94	23.58
33 14 19 00-0380 EA 1-1/2" Globe Valve, Threaded.....	227.62	27.26
33 14 19 00-0381 EA 2" Globe Valve, Threaded.....	323.48	31.87
33 14 19 00-0382 EA 2-1/2" Globe Valve, Threaded.....	608.26	43.48
33 14 19 00-0383 EA 3" Globe Valve, Threaded.....	841.78	50.13
<b>33 14 19 00-0384</b> <b>Tapping Valve, AWWA C500 And C509</b> (33 14 19 00-0142)		
<b>33 14 19 00-0385</b> <b>Tapping Valve, AWWA C500 And C509</b> (33 14 19 00-0384) Note: Flanged inlet X mechanical joint, Mueller H-667.		
33 14 19 00-0386 EA 2" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	483.79	86.90
33 14 19 00-0387 EA 3" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	622.93	110.82
33 14 19 00-0388 EA 4" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	797.78	138.85
33 14 19 00-0389 EA 6" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	1,015.30	234.68
33 14 19 00-0390 EA 8" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	1,441.61	299.87
33 14 19 00-0391 EA 10" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	2,056.96	365.06
33 14 19 00-0392 EA 12" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	2,993.93	273.79
33 14 19 00-0393 EA 14" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	5,237.49	494.36
33 14 19 00-0394 EA 16" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	6,596.19	543.80
33 14 19 00-0395 EA 18" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	10,571.68	603.12
<b>33 14 19 00-0396</b> <b>Yokes And Angles</b> (33 14 19 00-0142)		
<b>33 14 19 00-0397</b> <b>Yoke, Meter</b> (33 14 19 00-0396)		
33 14 19 00-0398 EA Yoke, Meter, 5/8" .....	32.06	10.62
33 14 19 00-0399 EA Yoke, Meter, 3/4" .....	36.29	11.68
33 14 19 00-0400 EA Yoke, Meter, 1" .....	47.32	13.45
<b>33 14 19 00-0401</b> <b>Angles And Ells</b> (33 14 19 00-0396)		
33 14 19 00-0402 EA 1-1/2" Flanged Angle, ELL.....	75.85	7.44
33 14 19 00-0403 EA ELL, Yoke, With Female I.P.T.....	23.48	6.37
<b>33 14 19 00-0404</b> <b>Fire Hydrants</b> (33 14 19)		
<b>33 14 19 00-0405</b> <b>Three Way, Standard (Traditional) Model Fire Hydrant</b> (33 14 19 00-0404) Note: Breakaway type. Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0406 EA 1-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,383.53	161.84
33 14 19 00-0407 EA 2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,448.84	161.84
33 14 19 00-0408 EA 2-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,514.32	161.84
33 14 19 00-0409 EA 3" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,591.05	173.41
33 14 19 00-0410 EA 3-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,656.43	173.41
33 14 19 00-0411 EA 4" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,736.30	187.85
33 14 19 00-0412 EA 4-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,801.57	187.85
33 14 19 00-0413 EA 5" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,881.49	202.31
33 14 19 00-0414 EA 5-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,946.86	202.31
33 14 19 00-0415 EA 6" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,026.57	216.75
33 14 19 00-0416 EA 6-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,106.38	231.21
33 14 19 00-0417 EA 7" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,200.53	260.11
33 14 19 00-0418 EA 1-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,443.13	161.84
33 14 19 00-0419 EA 2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,527.89	161.84
33 14 19 00-0420 EA 2-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,612.43	161.84
33 14 19 00-0421 EA 3" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,708.55	173.41
33 14 19 00-0422 EA 3-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,793.10	173.41
33 14 19 00-0423 EA 4" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,892.40	187.85
33 14 19 00-0424 EA 4-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,976.84	187.85
33 14 19 00-0425 EA 5" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,075.93	202.31
33 14 19 00-0426 EA 5-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,160.45	202.31
33 14 19 00-0427 EA 6" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,259.29	216.75
33 14 19 00-0428 EA 6-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,358.51	231.21
33 14 19 00-0429 EA 7" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,471.81	260.11





MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0430			<b>Two Way, Standard (Traditional) Model Fire Hydrant</b> (33 14 19 00-0404) Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0431	EA		1-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,025.04	161.84
33 14 19 00-0432	EA		2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,090.12	161.84
33 14 19 00-0433	EA		2-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,155.58	161.84
33 14 19 00-0434	EA		3' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,232.59	173.41
33 14 19 00-0435	EA		3-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,297.75	173.41
33 14 19 00-0436	EA		4' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,377.48	187.85
33 14 19 00-0437	EA		4-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,442.85	187.85
33 14 19 00-0438	EA		5' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,522.83	202.31
33 14 19 00-0439	EA		5-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,588.06	202.31
33 14 19 00-0440	EA		6' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,668.12	216.75
33 14 19 00-0441	EA		6-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,747.51	231.21
33 14 19 00-0442	EA		7' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,841.81	260.11
33 14 19 00-0443	EA		1-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,117.11	161.84
33 14 19 00-0444	EA		2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,201.67	161.84
33 14 19 00-0445	EA		2-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,286.12	161.84
33 14 19 00-0446	EA		3' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,382.44	173.41
33 14 19 00-0447	EA		3-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,466.78	173.41
33 14 19 00-0448	EA		4' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,565.93	187.85
33 14 19 00-0449	EA		4-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,650.31	187.85
33 14 19 00-0450	EA		5' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,749.67	202.31
33 14 19 00-0451	EA		5-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,834.01	202.31
33 14 19 00-0452	EA		6' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,933.14	216.75
33 14 19 00-0453	EA		6-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,031.94	231.21
33 14 19 00-0454	EA		7' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,145.70	260.11
33 14 19 00-0455			<b>Three Way, Modern Model Fire Hydrant</b> (33 14 19 00-0404) Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0456	EA		1-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,535.95	161.84
33 14 19 00-0457	EA		2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,620.39	161.84
33 14 19 00-0458	EA		2-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,705.09	161.84
33 14 19 00-0459	EA		3' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,801.24	173.41
33 14 19 00-0460	EA		3-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,885.75	173.41
33 14 19 00-0461	EA		4' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,984.73	187.85
33 14 19 00-0462	EA		4-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,069.34	187.85
33 14 19 00-0463	EA		5' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,168.37	202.31
33 14 19 00-0464	EA		5-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,252.89	202.31
33 14 19 00-0465	EA		6' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,351.88	202.31
33 14 19 00-0466	EA		6-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,451.14	231.21
33 14 19 00-0467	EA		7' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,563.56	231.21
33 14 19 00-0468			<b>Two Way, Modern Model Fire Hydrant</b> (33 14 19 00-0404) Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0469	EA		1-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,477.15	161.84
33 14 19 00-0470	EA		2' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,541.41	161.84
33 14 19 00-0471	EA		2-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,606.39	161.84
33 14 19 00-0472	EA		3' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,681.46	173.41
33 14 19 00-0473	EA		3-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,745.70	173.41
33 14 19 00-0474	EA		4' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,824.38	187.85
33 14 19 00-0475	EA		4-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,888.60	187.85
33 14 19 00-0476	EA		5' Burial Section, Two Way, Modern Type Fire Hydrant.....	2,967.38	202.31
33 14 19 00-0477	EA		5-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,031.43	202.31
33 14 19 00-0478	EA		6' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,110.13	216.75
33 14 19 00-0479	EA		6-1/2' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,188.91	231.21
33 14 19 00-0480	EA		7' Burial Section, Two Way, Modern Type Fire Hydrant.....	3,281.25	260.11
33 14 19 00-0481			<b>Fire Hydrant Extension Kits</b> (33 14 19 00-0404)		
33 14 19 00-0482	EA		6" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	496.93	14.45
33 14 19 00-0483	EA		12" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	587.53	18.06
33 14 19 00-0484	EA		18" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	634.40	21.68
33 14 19 00-0485	EA		24" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	714.28	26.73
33 14 19 00-0486	EA		30" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,119.46	27.82
33 14 19 00-0487	EA		36" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,198.28	28.90
33 14 19 00-0488	EA		42" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,213.23	30.35
33 14 19 00-0489	EA		48" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,279.93	32.52
33 14 19 00-0490	EA		54" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,400.75	39.01
33 14 19 00-0491	EA		60" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,459.34	46.96
33 14 19 00-0492	EA		6" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	553.38	16.18
33 14 19 00-0493	EA		12" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	651.65	19.65
33 14 19 00-0494	EA		18" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	744.65	23.70
33 14 19 00-0495	EA		24" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	823.27	29.48
33 14 19 00-0496	EA		30" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,158.92	30.64
33 14 19 00-0497	EA		36" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,238.56	31.79
33 14 19 00-0498	EA		42" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,290.81	33.53
33 14 19 00-0499	EA		48" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,520.25	35.84
33 14 19 00-0500	EA		54" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,654.25	42.77
33 14 19 00-0501	EA		60" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,716.59	51.44



<b>Utilities</b>	<b>33</b>	<b>33</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 14 19 00-0502</b> Remove And Reinstall Standard Fire Hydrant <small>(33 14 19 00-0404)</small>		
Note: Includes all necessary fittings for resetting, storage and cleaning. Excludes excavation, backfill and thrust blocking around fire hydrant.		
33 14 19 00-0503 EA Up To 5' Burial Section, Removal And Reinstallation Of Fire Hydrant.....	462.40	
33 14 19 00-0504 EA >5' Burial Section, Removal And Reinstallation Of Fire Hydrant.....	674.35	
33 14 19 00-0505 EA Reset Fire Hydrant Upper Barrel .....	605.62	
Note: Includes Safety Repair Kit		
<b>33 14 23</b> Enclosures for Water Utility Piping and Valves <small>(33 14)</small>		
See CSI section 22 11 19 00-0480 for Enclosures.		
<b>33 16</b> Water Utility Storage Tanks <small>(33 10)</small>		
<b>33 16 23</b> Ground-Level Steel Water Storage Tanks <small>(33 16)</small>		
See CSI section 23 13 23 16-0000 for aboveground steel storage tanks.		
<b>33 19</b> Water Utility Metering Equipment <small>(33 10)</small>		
<b>33 19 11</b> Water Utility Metering <small>(33 19)</small>		
<b>33 19 11 00-0001</b> Bronze Disk Type Water Service Meters <small>(33 19 11)</small>		
33 19 11 00-0002 EA 5/8" Diameter, 0 - 20 GPM, Screwed, Water Supply Meter, Disk Type, Bronze .....	270.43	36.83
33 19 11 00-0003 EA 3/4" Diameter, 0 - 30 GPM, Screwed, Water Supply Meter, Disk Type, Bronze .....	341.38	43.90
33 19 11 00-0004 EA 1" Diameter, 0 - 50 GPM, Screwed, Water Supply Meter, Disk Type, Bronze .....	463.49	50.27
33 19 11 00-0005 EA 1-1/2" Diameter, 0 - 100 GPM, Screwed, Water Supply Meter, Disk Type, Bronze .....	914.91	75.06
33 19 11 00-0006 EA 2" Diameter, 0 - 160 GPM, Screwed, Water Supply Meter, Disk Type, Bronze .....	1,241.77	97.72
<b>33 19 11 00-0007</b> Flanged Compound Type Water Service Meter <small>(33 19 11)</small>		
33 19 11 00-0008 EA 2" Diameter, 0 - 160 GPM Water Service Meter Compound Type, Flanged And Bronze .....	1,574.10	86.90
33 19 11 00-0009 EA 3" Diameter, 0 - 320 GPM Water Service Meter Compound Type, Flanged And Bronze .....	1,838.51	110.82
33 19 11 00-0010 EA 4" Diameter, 0 - 500 GPM Water Service Meter Compound Type, Flanged And Bronze .....	3,087.46	209.91
33 19 11 00-0011 EA 6" Diameter, 0 - 1,000 GPM Water Service Meter Compound Type, Flanged And Bronze .....	4,255.12	234.68
33 19 11 00-0012 EA 8" Diameter, 0 - 1,600 GPM Water Service Meter Compound Type, Flanged And Bronze .....	8,781.97	299.87
33 19 11 00-0013 EA 10" Diameter, 0 - 2,500 GPM Water Service Meter Compound Type, Flanged And Bronze .....	15,069.47	365.06
<b>33 19 11 00-0014</b> Flanged Electromagnetic Flow (EMF) Water Meter <small>(33 19 11)</small>		
33 19 11 00-0015 EA 2" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG) .....	4,905.15	86.90
33 19 11 00-0016 EA 3" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG) .....	6,782.18	110.82
33 19 11 00-0017 EA 4" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG) .....	7,779.59	209.91
<b>33 19 11 00-0018</b> Flanged Turbine Water Service Meter <small>(33 19 11)</small>		
<b>33 19 11 00-0019</b> Vertical Turbine Meters <small>(33 19 11 00-0018)</small>		
33 19 11 00-0020 EA 1-1/2" Diameter, 0 - 100 GPM Vertical Turbine Meter, Flanged .....	400.09	68.45
33 19 11 00-0021 EA 2" Diameter, 0 - 160 GPM Vertical Turbine Meter, Flanged.....	556.69	86.90
33 19 11 00-0022 EA 3" Diameter, 0 - 350 GPM Vertical Turbine Meter, Flanged.....	931.40	110.82
33 19 11 00-0023 EA 4" Diameter, 0 - 650 GPM Vertical Turbine Meter, Flanged.....	1,434.52	209.91
33 19 11 00-0024 EA 6" Diameter, 0 - 1,300 GPM Vertical Turbine Meter, Flanged.....	2,638.02	234.68
<b>33 19 11 00-0025</b> Horizontal Turbine Meters <small>(33 19 11 00-0018)</small>		
33 19 11 00-0026 EA 1-1/2" Diameter, 0 - 120 GPM Horizontal Turbine Meter, Flanged .....	609.64	68.45
33 19 11 00-0027 EA 2" Diameter, 0 - 160 GPM Horizontal Turbine Meter, Flanged .....	855.85	86.90
33 19 11 00-0028 EA 3" Diameter, 0 - 600 GPM Horizontal Turbine Meter, Flanged .....	1,051.33	110.82
33 19 11 00-0029 EA 4" Diameter, 0 - 1,000 GPM Horizontal Turbine Meter, Flanged .....	1,593.06	209.91
33 19 11 00-0030 EA 6" Diameter, 0 - 2,000 GPM Horizontal Turbine Meter, Flanged .....	3,215.65	234.68
33 19 11 00-0031 EA 8" Diameter, 0 - 3,500 GPM Horizontal Turbine Meter, Flanged .....	4,302.90	299.87
33 19 11 00-0032 EA 10" Diameter, 0 - 5,500 GPM Horizontal Turbine Meter, Flanged .....	6,017.58	365.06
33 19 11 00-0033 EA 12" Diameter, 0 - 6,600 GPM Horizontal Turbine Meter, Flanged .....	7,716.09	736.63
<b>33 19 11 00-0034</b> Small/Large Spectrum Water Service Meter <small>(33 19 11)</small>		
Note: Metron-Farnier.		
33 19 11 00-0035 EA 1-1/2" Diameter, 0 - 100 GPM, Flanged, Spectrum Water Meter.....	1,031.62	74.35
Note: Metron-Farnier #Spectrum 50.		
33 19 11 00-0036 EA 2" Diameter, 0 - 125 GPM, Flanged, Spectrum Water Meter.....	1,477.72	94.39
Note: Metron-Farnier #Spectrum 88.		
33 19 11 00-0037 EA 2" Diameter, 0 - 185 GPM, Flanged, Spectrum Water Meter.....	1,783.59	94.39
Note: Metron-Farnier #Spectrum 130.		
33 19 11 00-0038 EA 3" Diameter, 0 - 320 GPM, Flanged, Spectrum Water Meter.....	2,263.08	110.82
Note: Metron-Farnier #Spectrum 175.		
33 19 11 00-0039 EA 3" Diameter, 0 - 520 GPM, Flanged, Spectrum Water Meter.....	2,356.23	110.82
Note: Metron-Farnier #Spectrum 260.		
33 19 11 00-0040 EA 4" Diameter, 0 - 520 GPM, Flanged, Spectrum Water Meter.....	3,314.42	209.91
Note: Metron-Farnier #Spectrum 260.		

**33 Utilities****33 10 Water Utilities****33 19 Water Utility Metering Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 19 11 00-0041	EA		4" Diameter, 0 - 750 GPM, Flanged, Spectrum Water Meter ..... Note: Metron-Farnier #Spectrum 440.	5,559.75	209.91
33 19 11 00-0042	EA		6" Diameter, 0 - 750 GPM, Flanged, Spectrum Water Meter ..... Note: Metron-Farnier #Spectrum 440.	6,898.32	234.68
33 19 11 00-0043	EA		8" Diameter, 0 - 750 GPM, Flanged, Spectrum Water Meter ..... Note: Metron-Farnier #Spectrum 440.	8,568.33	299.87

**33 30 Sanitary Sewerage Utilities** <sup>(33)</sup>**33 31 Sanitary Sewerage Piping** <sup>(33 30)</sup>**33 31 11 Public Sanitary Sewerage Gravity Piping** <sup>(33 31)</sup>

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 31 11 00-0001			<b>Cast Iron Service Saddles With U Bolt</b> <sup>(33 31 11)</sup>		
33 31 11 00-0002	EA		2" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	66.48	
33 31 11 00-0003	EA		3" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	66.95	
33 31 11 00-0004	EA		3" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	73.44	
33 31 11 00-0005	EA		4" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt.....	71.52	
33 31 11 00-0006	EA		4" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt.....	81.26	
33 31 11 00-0007	EA		4" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt.....	92.21	
33 31 11 00-0008	EA		4" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt.....	109.53	
33 31 11 00-0009	EA		6" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt.....	93.77	
33 31 11 00-0010	EA		6" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt.....	102.57	
33 31 11 00-0011	EA		6" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt.....	117.91	
33 31 11 00-0012	EA		2" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt.....	103.37	
33 31 11 00-0013	EA		4" Diameter x 1-1/2" Tapped Wye Cast Iron Service Saddle With U Bolt.....	74.20	
33 31 11 00-0014	EA		4" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt.....	80.69	
33 31 11 00-0015	EA		4" Diameter x 3" Hub Wye Cast Iron Service Saddle With U Bolt.....	98.46	
33 31 11 00-0016	EA		4" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt.....	117.21	
33 31 11 00-0017	EA		6" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt.....	127.48	
33 31 11 00-0018			<b>Plastic Sewer And Drain Piping</b> <sup>(33 31 11)</sup>		
33 31 11 00-0019			<b>Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe</b> <sup>(33 31 11 00-0018)</sup>		
33 31 11 00-0020	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	4.50	1.95
33 31 11 00-0021	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	5.41	2.30
33 31 11 00-0022	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	7.24	2.79
33 31 11 00-0023	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	8.92	3.25
33 31 11 00-0024	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	11.77	3.79
33 31 11 00-0025	LF		8" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	15.35	4.40
33 31 11 00-0026	LF		10" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	20.06	4.55
33 31 11 00-0027	LF		12" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	25.53	4.72
33 31 11 00-0028			<b>Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe</b> <sup>(33 31 11 00-0018)</sup>		
			Note: D-2729 PVC pipe.		
33 31 11 00-0029	LF		3" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	6.58	2.79
33 31 11 00-0030	LF		4" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	7.77	3.25
33 31 11 00-0031	LF		6" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe.....	10.04	3.79
33 31 11 00-0032			<b>Polyvinyl Chloride (PVC) Sewer And Drain Fittings</b> <sup>(33 31 11 00-0018)</sup>		
33 31 11 00-0033			<b>1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain</b> <sup>(33 31 11 00-0032)</sup>		
33 31 11 00-0034	EA		1-1/2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	12.58	7.53
33 31 11 00-0035	EA		2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	16.21	9.74
33 31 11 00-0036	EA		3" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	24.70	13.07
33 31 11 00-0037	EA		4" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	33.37	15.12
33 31 11 00-0038	EA		6" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	94.77	19.64
33 31 11 00-0039	EA		8" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	151.46	26.43
33 31 11 00-0040	EA		10" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	200.29	35.21
33 31 11 00-0041			<b>1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain</b> <sup>(33 31 11 00-0032)</sup>		
33 31 11 00-0042	EA		1-1/2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	12.88	7.53
33 31 11 00-0043	EA		2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	16.18	9.74
33 31 11 00-0044	EA		3" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	24.25	13.07
33 31 11 00-0045	EA		4" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	31.20	15.12
33 31 11 00-0046	EA		6" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	89.25	19.64
33 31 11 00-0047	EA		8" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	138.62	26.43
33 31 11 00-0048	EA		10" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	162.51	35.21
33 31 11 00-0049	EA		12" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	236.46	46.89
33 31 11 00-0050			<b>Long Sweep 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain</b> <sup>(33 31 11 00-0032)</sup>		
33 31 11 00-0051	EA		1-1/2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	16.03	7.41
33 31 11 00-0052	EA		2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	18.28	9.74



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0053 EA 3" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	30.46	13.36
33 31 11 00-0054 EA 4" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	44.92	16.31
33 31 11 00-0055 EA 6" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	74.65	18.85
33 31 11 00-0056 EA 8" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	119.31	21.51
33 31 11 00-0057 EA 10" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	184.65	25.08
33 31 11 00-0058 EA 12" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	270.35	29.23
<b>33 31 11 00-0059 1/16 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0032)</small></b>		
33 31 11 00-0060 EA 1-1/2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	13.51	7.53
33 31 11 00-0061 EA 2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	16.82	9.74
33 31 11 00-0062 EA 3" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	26.10	13.07
33 31 11 00-0063 EA 4" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	34.62	15.12
33 31 11 00-0064 EA 6" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	113.15	19.64
33 31 11 00-0065 EA 8" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	178.21	26.43
33 31 11 00-0066 EA 10" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	206.37	35.21
33 31 11 00-0067 EA 12" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	221.84	46.89
<b>33 31 11 00-0068 Reducers, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0032)</small></b>		
33 31 11 00-0069 EA 2" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	15.47	8.59
33 31 11 00-0070 EA 3" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	23.58	10.26
33 31 11 00-0071 EA 3" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	23.84	11.31
33 31 11 00-0072 EA 4" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	32.13	12.36
33 31 11 00-0073 EA 4" x 3" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	35.24	14.03
33 31 11 00-0074 EA 6" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	83.61	17.36
33 31 11 00-0075 EA 8" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	164.48	23.02
33 31 11 00-0076 EA 10" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	74.00	25.13
33 31 11 00-0077 EA 10" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	97.73	27.41
33 31 11 00-0078 EA 10" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	94.76	30.79
33 31 11 00-0079 EA 12" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	179.91	33.28
33 31 11 00-0080 EA 12" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	191.46	36.65
33 31 11 00-0081 EA 12" x 10" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	204.89	41.05
<b>33 31 11 00-0082 Sanitary Tees, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0032)</small></b>		
33 31 11 00-0083 EA 1-1/2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain .....	19.34	11.38
33 31 11 00-0084 EA 2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain .....	25.32	14.72
33 31 11 00-0085 EA 3" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain .....	37.88	19.42
33 31 11 00-0086 EA 4" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain .....	52.79	24.12
33 31 11 00-0087 EA 6" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain .....	136.46	26.43
33 31 11 00-0088 EA 8" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain .....	178.02	35.21
<b>33 31 11 00-0089 Wyes, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0032)</small></b>		
33 31 11 00-0090 EA 1-1/2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	21.64	11.38
33 31 11 00-0091 EA 2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	26.65	14.72
33 31 11 00-0092 EA 3" Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	39.58	19.42
33 31 11 00-0093 EA 4" Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	55.58	24.12
33 31 11 00-0094 EA 6" Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	126.00	26.43
33 31 11 00-0095 EA 8" Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	158.17	35.21
33 31 11 00-0096 EA 10" Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	208.66	46.98
33 31 11 00-0097 EA 12" Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	318.44	62.70
<b>33 31 11 00-0098 Reducing Wyes, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0032)</small></b>		
33 31 11 00-0099 EA 2" x 1-1/2" x 1-1/2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	25.24	11.38
33 31 11 00-0100 EA 2" x 2" x 1" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	30.16	14.72
33 31 11 00-0101 EA 3" x 3" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	37.22	19.42
33 31 11 00-0102 EA 4" x 4" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	51.75	24.12
33 31 11 00-0103 EA 4" x 4" x 3" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	54.37	24.12
<b>33 31 11 00-0104 Double Wyes, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0032)</small></b>		
33 31 11 00-0105 EA 1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	31.81	14.72
33 31 11 00-0106 EA 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	41.70	19.42
33 31 11 00-0107 EA 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	71.72	26.21
33 31 11 00-0108 EA 4" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	113.32	31.70
33 31 11 00-0109 EA 2" x 2" x 1-1/2" x 1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	40.62	19.42
33 31 11 00-0110 EA 3" x 3" x 2" x 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	63.43	26.21
33 31 11 00-0111 EA 4" x 4" x 3" x 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	99.63	31.70
<b>33 31 11 00-0112 Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0032)</small></b>		
33 31 11 00-0113 EA 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	24.50	11.38
33 31 11 00-0114 EA 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	31.12	14.72
33 31 11 00-0115 EA 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	53.00	19.42
33 31 11 00-0116 EA 4" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	85.67	24.12

**33 Utilities****33 30 Sanitary Sewerage Utilities****33 31 Sanitary Sewerage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0117 EA 2" x 2" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	40.84	14.72
33 31 11 00-0118 EA 3" x 3" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	61.80	19.42
33 31 11 00-0119 EA 3" x 3" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	49.56	19.42
33 31 11 00-0120 EA 4" x 4" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	81.54	24.12
33 31 11 00-0121 EA 4" x 4" x 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	85.32	24.12
<b>33 31 11 00-0122 Double Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0032)</b>		
33 31 11 00-0123 EA 1-1/2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	34.03	14.72
33 31 11 00-0124 EA 2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	41.95	19.42
33 31 11 00-0125 EA 3" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	61.53	26.21
33 31 11 00-0126 EA 4" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	164.77	31.70
33 31 11 00-0127 EA 6" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	478.18	35.10
<b>33 31 11 00-0128 Cleanout Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0032)</b>		
33 31 11 00-0129 EA 4" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain .....	158.68	57.41
33 31 11 00-0130 EA 6" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain .....	321.90	74.06
33 31 11 00-0131 EA 8" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain.....	419.08	104.38
33 31 11 00-0132 EA 10" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain .....	599.97	167.91
<b>33 31 11 00-0133 Couplings, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0032)</b>		
33 31 11 00-0134 EA 1-1/2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	12.45	7.53
33 31 11 00-0135 EA 2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	15.75	9.68
33 31 11 00-0136 EA 3" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	22.69	12.96
33 31 11 00-0137 EA 4" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	27.92	15.12
33 31 11 00-0138 EA 6" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	58.64	19.64
33 31 11 00-0139 EA 8" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	123.85	26.43
33 31 11 00-0140 EA 10" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	183.37	35.21
33 31 11 00-0141 EA 12" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	292.79	46.89
<b>33 31 11 00-0142 Adapters, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0032)</b>		
33 31 11 00-0143 EA 4" Male, Plastic Pipe x Malleable Iron Pipe Adapter, Drain And Sewer Fitting.....	74.75	45.76
33 31 11 00-0144 EA 2" x 3" x 3" Downspout Adapter, Drain And Sewer Fitting .....	54.24	34.81
33 31 11 00-0145 EA 2" x 3" x 4" Downspout Adapter, Drain And Sewer Fitting .....	55.13	34.81
33 31 11 00-0146 EA 3" x 4" x 4" Downspout Adapter, Drain And Sewer Fitting .....	57.50	34.81
33 31 11 00-0147 EA 4" Hub, Cast Iron Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting.....	75.40	45.76
33 31 11 00-0148 EA 4" Spigot, Clay Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting .....	73.50	45.76
33 31 11 00-0149 EA 4" Spigot, Fiberglass Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting .....	70.38	45.76
33 31 11 00-0150 EA 4" Drain Grate, Drain And Sewer Fitting .....	37.57	23.54
<b>33 31 11 00-0151 Caps, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0032)</b>		
33 31 11 00-0152 EA 3" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting .....	17.60	8.09
33 31 11 00-0153 EA 4" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting .....	27.44	10.08
33 31 11 00-0154 EA 6" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting .....	49.02	13.02
<b>33 31 11 00-0155 Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0032)</b>		
33 31 11 00-0156 EA 1-1/2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	12.38	7.53
33 31 11 00-0157 EA 2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	16.07	9.74
33 31 11 00-0158 EA 3" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	23.16	13.07
33 31 11 00-0159 EA 4" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	29.42	15.12
33 31 11 00-0160 EA 6" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	47.37	19.64
33 31 11 00-0161 EA 8" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	154.84	26.43
<b>33 31 11 00-0162 Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe (33 31 11 00-0018)</b>		
Note: ASTM 3034.		
33 31 11 00-0163 LF 4" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	9.65	3.25
33 31 11 00-0164 LF 6" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	13.55	3.79
33 31 11 00-0165 LF 8" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	18.97	4.40
33 31 11 00-0166 LF 10" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	24.37	4.55
33 31 11 00-0167 LF 12" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	30.92	4.71
33 31 11 00-0168 LF 15" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	42.00	4.88
33 31 11 00-0169 LF 18" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	54.70	5.05
33 31 11 00-0170 LF 21" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	72.46	5.49
33 31 11 00-0171 LF 24" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	88.83	5.92
33 31 11 00-0172 LF 27" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	111.01	6.95
<b>33 31 11 00-0173 Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe (33 31 11 00-0018)</b>		
Note: ASTM 3034.		
33 31 11 00-0174 LF 4" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	8.32	3.25
33 31 11 00-0175 LF 6" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	11.19	3.79
33 31 11 00-0176 LF 8" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	15.13	4.40



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 31 11 00-0177</b> Gasketed SDR 35 Polyvinyl Chloride (PVC) Fittings <small>(33 31 11 00-0018)</small> Note: ASTM 3034.		
<b>33 31 11 00-0178</b> 1/4 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 11 00-0177)</small>		
33 31 11 00-0179 EA 4" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	45.03	13.14
33 31 11 00-0180 EA 6" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	68.01	15.28
33 31 11 00-0181 EA 8" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	146.69	17.32
33 31 11 00-0182 EA 10" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	429.70	20.37
33 31 11 00-0183 EA 12" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	555.38	25.98
<b>33 31 11 00-0184</b> 1/8 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 11 00-0177)</small>		
33 31 11 00-0185 EA 4" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	40.28	13.14
33 31 11 00-0186 EA 6" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	62.77	15.28
33 31 11 00-0187 EA 8" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	133.44	17.32
33 31 11 00-0188 EA 10" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	304.91	20.37
33 31 11 00-0189 EA 12" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	436.73	25.98
33 31 11 00-0190 EA 15" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	942.11	36.68
33 31 11 00-0191 EA 18" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	1,496.66	51.96
33 31 11 00-0192 EA 21" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	2,502.69	68.77
33 31 11 00-0193 EA 24" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	3,413.09	91.69
<b>33 31 11 00-0194</b> Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 11 00-0177)</small>		
33 31 11 00-0195 EA 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	68.23	19.72
33 31 11 00-0196 EA 6" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	112.97	21.85
33 31 11 00-0197 EA 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	127.48	22.93
33 31 11 00-0198 EA 8" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	141.14	23.99
33 31 11 00-0199 EA 8" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	162.39	25.06
33 31 11 00-0200 EA 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	318.01	26.14
33 31 11 00-0201 EA 10" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	409.47	26.74
33 31 11 00-0202 EA 10" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	464.82	28.02
33 31 11 00-0203 EA 10" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	690.28	29.08
33 31 11 00-0204 EA 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	902.05	30.56
33 31 11 00-0205 EA 12" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	503.94	32.56
33 31 11 00-0206 EA 12" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	535.28	33.62
33 31 11 00-0207 EA 12" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	768.04	34.69
33 31 11 00-0208 EA 12" x 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	1,112.26	36.17
33 31 11 00-0209 EA 12" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	1,254.02	38.97
<b>33 31 11 00-0210</b> Wyes, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 11 00-0177)</small>		
33 31 11 00-0211 EA 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	64.54	19.72
33 31 11 00-0212 EA 6" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	100.68	21.85
33 31 11 00-0213 EA 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	110.97	22.93
33 31 11 00-0214 EA 8" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	135.87	23.99
33 31 11 00-0215 EA 8" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	156.11	25.06
33 31 11 00-0216 EA 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	242.89	26.14
33 31 11 00-0217 EA 10" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	373.74	26.95
33 31 11 00-0218 EA 10" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	381.08	28.02
33 31 11 00-0219 EA 10" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	577.53	29.08
33 31 11 00-0220 EA 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	639.59	30.56
33 31 11 00-0221 EA 12" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	474.18	32.56
33 31 11 00-0222 EA 12" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	489.05	33.62
33 31 11 00-0223 EA 12" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	704.67	34.69
33 31 11 00-0224 EA 12" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	850.91	36.17
33 31 11 00-0225 EA 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	888.07	38.97
33 31 11 00-0226 EA 15" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	1,094.84	46.87
33 31 11 00-0227 EA 15" x 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	1,215.40	49.67
33 31 11 00-0228 EA 15" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	1,521.83	55.02
<b>33 31 11 00-0229</b> Couplings, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 11 00-0177)</small>		
33 31 11 00-0230 EA 4" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	44.61	13.14
33 31 11 00-0231 EA 6" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	70.81	15.28
33 31 11 00-0232 EA 8" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	106.05	17.42
33 31 11 00-0233 EA 10" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	204.89	20.37
33 31 11 00-0234 EA 12" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	291.65	25.98
33 31 11 00-0235 EA 15" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	574.96	36.68
33 31 11 00-0236 EA 18" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	1,086.84	51.96
33 31 11 00-0237 EA 21" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	1,819.26	68.77
33 31 11 00-0238 EA 24" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	2,636.12	91.69
<b>33 31 11 00-0239</b> Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 11 00-0177)</small>		
33 31 11 00-0240 EA 6" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	88.87	14.22
33 31 11 00-0241 EA 8" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	128.95	15.28
33 31 11 00-0242 EA 8" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	135.90	16.35



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0243	EA		10" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	312.19	17.83
33 31 11 00-0244	EA		10" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	359.31	18.90
33 31 11 00-0245	EA		12" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	401.63	20.63
33 31 11 00-0246	EA		12" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	461.59	21.70
33 31 11 00-0247	EA		12" x 10" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	529.80	23.18
33 31 11 00-0248	EA		15" x 12" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	798.78	31.33
<b>33 31 11 00-0249</b>			<b>Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)</b> <small>(33 31 11 00-0177)</small>		
33 31 11 00-0250	EA		6" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	72.41	
33 31 11 00-0251	EA		8" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	96.23	
33 31 11 00-0252	EA		8" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	98.51	
33 31 11 00-0253	EA		10" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	165.89	
33 31 11 00-0254	EA		10" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	175.42	
33 31 11 00-0255	EA		10" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	339.40	
33 31 11 00-0256	EA		12" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	188.44	
33 31 11 00-0257	EA		12" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	206.31	
33 31 11 00-0258	EA		12" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	471.05	
33 31 11 00-0259	EA		12" x 10" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	557.08	
33 31 11 00-0260	EA		15" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	214.08	
33 31 11 00-0261	EA		15" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	229.67	
<b>33 31 11 00-0262</b>			<b>Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)</b> <small>(33 31 11 00-0177)</small>		
33 31 11 00-0263	EA		6" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	77.75	
33 31 11 00-0264	EA		8" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	96.23	
33 31 11 00-0265	EA		8" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	105.77	
33 31 11 00-0266	EA		10" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	151.75	
33 31 11 00-0267	EA		10" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	174.28	
33 31 11 00-0268	EA		10" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	268.23	
33 31 11 00-0269	EA		12" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	187.31	
33 31 11 00-0270	EA		12" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	205.23	
33 31 11 00-0271	EA		12" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	311.69	
33 31 11 00-0272	EA		12" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	381.17	
33 31 11 00-0273	EA		15" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	213.38	
33 31 11 00-0274	EA		15" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	224.39	
33 31 11 00-0275	EA		15" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	381.80	
33 31 11 00-0276	EA		15" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	423.72	
33 31 11 00-0277	EA		15" x 12" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	603.92	
<b>33 31 11 00-0278</b>			<b>Caps, Gasketed SDR 35 Polyvinyl Chloride (PVC)</b> <small>(33 31 11 00-0177)</small>		
33 31 11 00-0279	EA		4" Cap, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	22.56	
33 31 11 00-0280	EA		6" Cap, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	34.98	
33 31 11 00-0281	EA		8" Cap, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	75.30	
33 31 11 00-0282	EA		10" Cap, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	205.57	
33 31 11 00-0283	EA		12" Cap, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	302.42	
<b>33 31 11 00-0284</b>			<b>Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe and Fittings</b> <small>(33 31 11 00-0018)</small> Note: ASTM F949.		
<b>33 31 11 00-0285</b>			<b>Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe</b> <small>(33 31 11 00-0284)</small>		
33 31 11 00-0286	LF		4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	7.54	3.25
33 31 11 00-0287	LF		6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	10.20	3.79
33 31 11 00-0288	LF		8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	12.75	4.40
33 31 11 00-0289	LF		10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	14.81	4.55
33 31 11 00-0290	LF		12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	15.62	4.71
33 31 11 00-0291	LF		15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	18.07	4.88
33 31 11 00-0292	LF		18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	22.50	5.05
33 31 11 00-0293	LF		21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	26.07	5.49
33 31 11 00-0294	LF		24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	31.58	5.92
33 31 11 00-0295	LF		30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	45.10	7.97
<b>33 31 11 00-0296</b>			<b>1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)</b> <small>(33 31 11 00-0284)</small>		
33 31 11 00-0297	EA		4" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	26.99	
33 31 11 00-0298	EA		6" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	36.00	
33 31 11 00-0299	EA		8" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	49.26	
33 31 11 00-0300	EA		10" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	81.35	
33 31 11 00-0301	EA		12" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	88.26	
33 31 11 00-0302	EA		15" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	144.16	
33 31 11 00-0303	EA		18" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	225.95	
33 31 11 00-0304	EA		21" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	316.32	
33 31 11 00-0305	EA		24" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	406.66	
33 31 11 00-0306	EA		30" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	533.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>33 31 11 00-0307</b>	<b>1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)</b> <small>(33 31 11 00-0284)</small>		
33 31 11 00-0308	EA 4" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	25.43	
33 31 11 00-0309	EA 6" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	33.69	
33 31 11 00-0310	EA 8" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	45.90	
33 31 11 00-0311	EA 10" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	75.03	
33 31 11 00-0312	EA 12" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	81.65	
33 31 11 00-0313	EA 15" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	132.48	
33 31 11 00-0314	EA 18" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	206.91	
33 31 11 00-0315	EA 21" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	288.05	
33 31 11 00-0316	EA 24" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	369.22	
33 31 11 00-0317	EA 30" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	483.72	
<b>33 31 11 00-0318</b>	<b>1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)</b> <small>(33 31 11 00-0284)</small>		
33 31 11 00-0319	EA 4" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	23.09	
33 31 11 00-0320	EA 6" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	28.83	
33 31 11 00-0321	EA 8" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	43.41	
33 31 11 00-0322	EA 10" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	54.79	
33 31 11 00-0323	EA 12" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	74.64	
33 31 11 00-0324	EA 15" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	120.06	
33 31 11 00-0325	EA 18" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	174.27	
33 31 11 00-0326	EA 21" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	259.14	
33 31 11 00-0327	EA 24" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	344.01	
33 31 11 00-0328	EA 30" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	482.52	
<b>33 31 11 00-0329</b>	<b>Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)</b> <small>(33 31 11 00-0284)</small>		
33 31 11 00-0330	EA 4" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	41.87	
33 31 11 00-0331	EA 6" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	53.62	
33 31 11 00-0332	EA 8" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	91.85	
33 31 11 00-0333	EA 10" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	144.73	
33 31 11 00-0334	EA 12" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	236.03	
33 31 11 00-0335	EA 15" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	335.57	
33 31 11 00-0336	EA 18" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	485.41	
33 31 11 00-0337	EA 21" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	556.78	
33 31 11 00-0338	EA 24" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	628.13	
33 31 11 00-0339	EA 30" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	1,125.16	
<b>33 31 11 00-0340</b>	<b>Tees, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)</b> <small>(33 31 11 00-0284)</small>		
33 31 11 00-0341	EA 4" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	38.67	
33 31 11 00-0342	EA 6" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	49.24	
33 31 11 00-0343	EA 8" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	82.90	
33 31 11 00-0344	EA 10" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	129.43	
33 31 11 00-0345	EA 12" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	209.16	
33 31 11 00-0346	EA 15" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	296.78	
33 31 11 00-0347	EA 18" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	428.62	
33 31 11 00-0348	EA 21" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	490.91	
33 31 11 00-0349	EA 24" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	553.19	
33 31 11 00-0350	EA 30" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)	984.37	
<b>33 31 11 00-0351</b>	<b>Drain And Sewer Pipe - Bell And Spigot</b> <small>(33 31 11)</small>		
	Note: ASTM D2672.		
<b>33 31 11 00-0352</b>	<b>Precast Cleanout Assembly</b> <small>(33 31 11 00-0351)</small>		
33 31 11 00-0353	EA 4" x 4" Precast Cleanout Block For SDR-35 Pipe For Pipe Extension and Cleanout, Add	161.04 53.25	45.63
33 31 11 00-0354	EA 6" x 4" Precast Cleanout Block For SDR-35 Pipe For Pipe Extension and Cleanout, Add	184.70 58.47	58.67
33 31 11 00-0355	EA 6" x 6" Precast Cleanout Block For SDR-35 Pipe For Pipe Extension and Cleanout, Add	208.58 58.47	58.67
33 31 11 00-0356	EA 8" x 4" Precast Cleanout Block For SDR-35 Pipe For Pipe Extension and Cleanout, Add	228.36 61.08	65.19
<b>33 31 11 00-0357</b>	<b>Couplings And Plug Fittings</b> <small>(33 31 11)</small>		
<b>33 31 11 00-0358</b>	<b>Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings</b> <small>(33 31 11 00-0357)</small>		
	Note: For cast iron or plastic to cast iron to plastic pipe. Includes stainless steel clamps.		
33 31 11 00-0359	EA 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150)	14.60	4.33
33 31 11 00-0360	EA 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22)	15.83	5.05
33 31 11 00-0361	EA 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33)	18.81	5.77
33 31 11 00-0362	EA 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44)	21.72	6.13



**33 Utilities****33 30 Sanitary Sewerage Utilities****33 31 Sanitary Sewerage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0363 EA 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55).....	28.03	6.49
33 31 11 00-0364 EA 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66).....	34.40	7.22
33 31 11 00-0365 EA 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88).....	46.18	7.94
33 31 11 00-0366 EA 10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010).....	59.21	8.30
33 31 11 00-0367 EA 12" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1212).....	105.96	8.66
33 31 11 00-0368 EA 15" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1515).....	148.73	9.38
33 31 11 00-0369 EA 18" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1818).....	300.50	9.74
33 31 11 00-0370 EA 21" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2121).....	350.95	10.29
33 31 11 00-0371 EA 24" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2424).....	389.81	10.82
33 31 11 00-0372 EA 27" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2727).....	468.77	11.55

**33 31 11 00-0373 Ductile Iron Or Asbestos Cement Fiber To Ductile Iron Or Asbestos  
Cement Fiber, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe  
Couplings** (33 31 11 00-0357)

Note: For ductile iron or asbestos cement fiber to ductile iron or asbestos cement fiber (AC/DI to AC/DI). Includes stainless steel clamps.

33 31 11 00-0374 EA 4" x 4" Ductile Iron Or Asbestos Cement Fiber To Ductile Iron Or Asbestos Cement Fiber, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-44) .....	26.84	
33 31 11 00-0375 EA 5" x 4" Ductile Iron Or Asbestos Cement Fiber To Ductile Iron Or Asbestos Cement Fiber, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-54) .....	40.59	
33 31 11 00-0376 EA 5" x 5" Ductile Iron Or Asbestos Cement Fiber To Ductile Iron Or Asbestos Cement Fiber, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-55) .....	37.81	
33 31 11 00-0377 EA 6" x 4" Ductile Iron Or Asbestos Cement Fiber To Ductile Iron Or Asbestos Cement Fiber, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-64) .....	49.97	
33 31 11 00-0378 EA 6" x 5" Ductile Iron Or Asbestos Cement Fiber To Ductile Iron Or Asbestos Cement Fiber, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-65) .....	52.87	
33 31 11 00-0379 EA 6" x 6" Ductile Iron Or Asbestos Cement Fiber To Ductile Iron Or Asbestos Cement Fiber, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-66) .....	47.11	
33 31 11 00-0380 EA 8" x 6" Ductile Iron Or Asbestos Cement Fiber To Ductile Iron Or Asbestos Cement Fiber, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-86) .....	74.02	
33 31 11 00-0381 EA 8" x 8" Ductile Iron Or Asbestos Cement Fiber To Ductile Iron Or Asbestos Cement Fiber, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-88) .....	65.45	
33 31 11 00-0382 EA 10" x 8" Ductile Iron Or Asbestos Cement Fiber To Ductile Iron Or Asbestos Cement Fiber, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-10-8) .....	94.41	
33 31 11 00-0383 EA 10" x 10" Ductile Iron Or Asbestos Cement Fiber To Ductile Iron Or Asbestos Cement Fiber, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-1010) .....	84.46	
33 31 11 00-0384 EA 12" x 10" Ductile Iron Or Asbestos Cement Fiber To Ductile Iron Or Asbestos Cement Fiber, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-1210) .....	115.15	
33 31 11 00-0385 EA 12" x 12" Ductile Iron Or Asbestos Cement Fiber To Ductile Iron Or Asbestos Cement Fiber, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-1212) .....	98.90	
33 31 11 00-0386 EA 16" x 15" Ductile Iron Or Asbestos Cement Fiber To Ductile Iron Or Asbestos Cement Fiber, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-1615) .....	165.57	

**33 32 Sanitary Sewerage Equipment** (33 30)

**33 32 16 Packaged Wastewater Grinder Pump Assemblies** (33 32)

**33 32 16 00-0001 In-Line Sewage Grinder, Single Shaft Design** (33 32 16)

33 32 16 00-0002 EA In-Line Sewage Grinder, 4" Pipe Flanges, Single Shaft Design, Franklin Miller Super Shredder Series 4-8000, 3 HP, 230/460 Volt, 3 Phase, 60 Hertz, Totally Enclosed Explosion Proof Motor.....	13,648.02	829.48
For NEMA 4X Controller, Add	2,700.00	
Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
For NEMA 7 Controller, Add	9,600.00	
Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0003 EA In-Line Sewage Grinder, 6" Pipe Flanges, Single Shaft Design, Franklin Miller Super Shredder Series 6-8000, 3 HP, 230/460 Volt, 3 Phase, 60 Hertz, Totally Enclosed Explosion Proof Motor.....	13,648.02	829.48
For NEMA 4X Controller, Add	2,700.00	
Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
For NEMA 7 Controller, Add	9,600.00	
Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0004 EA In-Line Sewage Grinder, 8" Pipe Flanges, Single Shaft Design, Franklin Miller Super Shredder Series 8000, 5 HP, 230/460 Volt, 3 Phase, 60 Hertz, Totally Enclosed Explosion Proof Motor.....	13,648.02	829.48
For NEMA 4X Controller, Add	2,700.00	
Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
For NEMA 7 Controller, Add	9,600.00	
Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0005 EA In-Line Sewage Grinder, 10" Pipe Flanges, Single Shaft Design, Franklin Miller Super Shredder Series 1000, 7-1/2 HP, 230/460 Volt, 3 Phase, 60 Hertz, Totally Enclosed Explosion Proof Motor.....	22,143.94	829.48
For NEMA 4X Controller, Add	2,700.00	
Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
For NEMA 7 Controller, Add	9,600.00	
Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0006 EA In-Line Sewage Grinder, 10" Pipe Flanges, Single Shaft Design, Franklin Miller Super Shredder Series 1600, 10 HP, 230/460 Volt, 3 Phase, 60 Hertz, Totally Enclosed Explosion Proof Motor.....	30,225.42	829.48
For NEMA 4X Controller, Add	2,700.00	
Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
For NEMA 7 Controller, Add	9,600.00	
Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0007 EA Lower Housing Replacement, Including Casing, Liner, Cutter And Bearings. For Series 8000.....	19,491.57	
33 32 16 00-0008 EA Lower Housing Replacement, Including Casing, Liner, Cutter And Bearings. For Series 1000.....	21,812.29	
33 32 16 00-0009 EA Lower Housing Replacement, Including Casing, Liner, Cutter And Bearings. For Series 1600.....	76,590.91	



<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Sanitary Sewerage Utilities</b>	<b>33 30</b>	
<b>Sanitary Sewerage Equipment</b>	<b>33 32</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 32 16 00-0010 Submersible Grinder Pumps, Cast Iron With Bronze Impeller</b> <small>(33 32 16)</small>		
33 32 16 00-0011 EA 2 HP Submersible Grinder Pump, 200/208, 230 Volt, 1 Phase, 3450 RPM, 1-1/2" Threaded Discharge.....	1,921.48	218.20
Note: Zoeller 840 series.		
33 32 16 00-0012 EA 2 HP Submersible Grinder Pump, 200/208, 230, 460 Volt, 3 Phase, 3450 RPM, 1-1/2" Threaded Discharge.....	1,890.78	218.20
Note: Zoeller 840 series.		
33 32 16 00-0013 EA Simplex Control Panel With Auto Reversing Switch .....	942.54	72.71
Note: For Zoeller 840 series grinder pump.		
33 32 16 00-0014 EA Duplex Control Panel With Auto Reversing Switch.....	1,513.03	72.71
Note: For Zoeller 840 series grinder pump.		
33 32 16 00-0015 EA Grinder Pump, 120 Gallon Sewage Basin, 1 HP, 120 V (Environment One 2012-74).....	8,047.30	
<b>33 32 16 00-0016 In-Line Sewage Grinder, Double Shaft Design</b> <small>(33 32 16)</small>		
33 32 16 00-0017 EA 4" Pipe Flanges, In-Line Sewage Grinder, 3 HP, Muffin Monster Series 30000 .....	13,887.21	829.48
Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 29:1 reducer, and 12" high cutting cartridge.		
For NEMA 4X Controller, Add	1,846.00	
Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
For NEMA 7 Controller, Add	10,466.00	
Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0018 EA 6" Pipe Flanges, In-Line Sewage Grinder, 3 HP, Muffin Monster Series 30000 .....	15,129.33	829.48
Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 29:1 reducer, and 12" high cutting cartridge.		
For NEMA 4X Controller, Add	1,846.00	
Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
For NEMA 7 Controller, Add	10,466.00	
Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0019 EA 8" Pipe Flanges, In-Line Sewage Grinder, 3 HP, Muffin Monster Series 30000 .....	15,607.71	829.48
Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 29:1 reducer, and 12" high cutting cartridge.		
For NEMA 4X Controller, Add	1,846.00	
Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
For NEMA 7 Controller, Add	10,466.00	
Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0020 EA 10" Pipe Flanges, In-Line Sewage Grinder, 3 HP, Muffin Monster Series 30000 .....	17,990.12	829.48
Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 29:1 reducer, and 12" high cutting cartridge.		
For NEMA 4X Controller, Add	1,846.00	
Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
For NEMA 7 Controller, Add	10,466.00	
Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0021 EA 12" Pipe Flanges, In-Line Sewage Grinder, 3 HP, Muffin Monster Series 30000 .....	19,838.50	829.48
Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 29:1 reducer, and 12" high cutting cartridge.		
For NEMA 4X Controller, Add	1,846.00	
Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
For NEMA 7 Controller, Add	10,466.00	
Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0022 EA 12" Pipe Flanges, In-Line Sewage Grinder, 10 HP, Muffin Monster Series 40000 .....	40,413.42	829.48
Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 43:1 reducer, and 12" high cutting cartridge.		
For NEMA 4X Controller, Add	1,846.00	
Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
For NEMA 7 Controller, Add	10,466.00	
Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0023 EA 16" Pipe Flanges, In-Line Sewage Grinder, 10 HP, Muffin Monster Series 40000 .....	46,580.21	829.48
Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 43:1 reducer, and 12" high cutting cartridge.		
For NEMA 4X Controller, Add	1,846.00	
Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
For NEMA 7 Controller, Add	10,466.00	
Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0024 EA 18" Pipe Flanges, In-Line Sewage Grinder, 10 HP, Muffin Monster Series 40000 .....	48,976.83	829.48
Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 43:1 reducer, and 12" high cutting cartridge.		
For NEMA 4X Controller, Add	1,846.00	
Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
For NEMA 7 Controller, Add	10,466.00	
Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0025 EA Up To 8" Cutter Cartridge Replacement For Series 30000.....	24,184.21	
33 32 16 00-0026 EA 10" To 12" Cutter Cartridge Replacement For Series 30000 .....	38,671.05	
33 32 16 00-0027 EA 12" Cutter Cartridge Replacement For Series 40000.....	81,184.62	
33 32 16 00-0028 EA 16" Cutter Cartridge Replacement For Series 40000.....	95,906.07	
33 32 16 00-0029 EA 18" Cutter Cartridge Replacement For Series 40000.....	101,627.31	
<b>33 32 16 00-0030 Open Channel Sewage, Double Shaft Design</b> <small>(33 32 16)</small>		
33 32 16 00-0031 EA Open Channel Sewage Grinder, Double Shaft Design, 40" High Cutter Cartridge, Muffin Monster Series 30000 .....	26,394.86	829.48
For NEMA 4X Controller, Add	1,846.00	
Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
For NEMA 7 Controller, Add	10,466.00	
Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
For Power Pack, 5HP, 230/460V, 3 Phase, 60 Hertz Hydraulic Drive With Quick Disconnect	3,701.00	

**33 Utilities****33 30 Sanitary Sewerage Utilities****33 32 Sanitary Sewerage Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 32 16 00-0032 EA Open Channel Sewage Grinder, Double Shaft Design, 50" High Cutter Cartridge, Muffin Monster Series 30000.....	28,763.06	829.48
For NEMA 4X Controller, Add	1,846.00	
Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
For NEMA 7 Controller, Add	10,466.00	
Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
For Power Pack, 5HP, 230/460V, 3 Phase, 60 Hertz Hydraulic Drive With Quick Disconnect	3,701.00	
33 32 16 00-0033 EA Open Channel Sewage Grinder, Double Shaft Design, 60" High Cutter Cartridge, Muffin Monster Series 30000.....	31,131.26	829.48
For NEMA 4X Controller, Add	1,846.00	
Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
For NEMA 7 Controller, Add	10,466.00	
Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
For Power Pack, 5HP, 230/460V, 3 Phase, 60 Hertz Hydraulic Drive With Quick Disconnect	3,701.00	
33 32 16 00-0034 EA Open Channel Sewage Grinder, Double Shaft Design, 18" High Cutter Cartridge, Muffin Monster Series 40000.....	37,573.95	829.48
For NEMA 4X Controller, Add	1,846.00	
Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
For NEMA 7 Controller, Add	10,466.00	
Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
For Power Pack, 5HP, 230/460V, 3 Phase, 60 Hertz Hydraulic Drive With Quick Disconnect, Add	5,182.00	
Note: With Quick Disconnect, Add		
33 32 16 00-0035 EA Open Channel Sewage Grinder, Double Shaft Design, 24" High Cutter Cartridge, Muffin Monster Series 40000.....	40,728.39	829.48
For NEMA 4X Controller, Add	1,846.00	
Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
For NEMA 7 Controller, Add	10,466.00	
Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
For Power Pack, 5HP, 230/460V, 3 Phase, 60 Hertz Hydraulic Drive With Quick Disconnect, Add	5,182.00	
Note: With Quick Disconnect, Add		
33 32 16 00-0036 EA Open Channel Sewage Grinder, Double Shaft Design, 32" High Cutter Cartridge, Muffin Monster Series 40000.....	43,747.84	829.48
For NEMA 4X Controller, Add	1,846.00	
Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
For NEMA 7 Controller, Add	10,466.00	
Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
For Power Pack, 5HP, 230/460V, 3 Phase, 60 Hertz Hydraulic Drive With Quick Disconnect, Add	5,182.00	
Note: With Quick Disconnect, Add		
33 32 16 00-0037 EA For Cutter Cartridge Replacement For Series 30000, 40" .....	43,942.84	
33 32 16 00-0038 EA For Cutter Cartridge Replacement For Series 30000, 50" .....	49,101.57	
33 32 16 00-0039 EA For Cutter Cartridge Replacement For Series 30000, 60" .....	54,825.64	
33 32 16 00-0040 EA For Cutter Cartridge Replacement For Series 40000, 18" .....	60,691.04	
33 32 16 00-0041 EA For Cutter Cartridge Replacement For Series 40000, 24" .....	70,796.50	
33 32 16 00-0042 EA For Cutter Cartridge Replacement For Series 40000, 32" .....	78,711.26	
<b>33 32 16 00-0043 Monoflo TR Muncher</b> <small>(33 32 16)</small>		
Note: TR Muncher twin shaft sludge grinder, 3 HP TEXP motor, CI body, alloy steel cutter and spacers, 11 tooth cutters, 8mm thick, includes control panel monoflo priced separately.		
33 32 16 00-0044 EA CT203P Monoflo TR Muncher 4" Ports with 12" Throat.....	21,823.15	276.54
For 5 HP TEXP Motor, Add	1,150.00	
For 5mm Thick Cutters, Add	725.00	
33 32 16 00-0045 EA CT203Q Monoflo TR Muncher 6" Ports with 12" Throat .....	21,823.15	276.54
For 5 HP TEXP Motor, Add	1,150.00	
For 5mm Thick Cutters, Add	725.00	
33 32 16 00-0046 EA CT203R Monoflo TR Muncher 8" Ports with 12" Throat.....	22,170.72	276.54
For 5 HP TEXP Motor, Add	1,150.00	
For 5mm Thick Cutters, Add	725.00	
33 32 16 00-0047 EA CT203S Monoflo TR Muncher 10" Ports with 12" Throat.....	25,437.93	276.54
For 5 HP TEXP Motor, Add	1,150.00	
For 5mm Thick Cutters, Add	950.00	
33 32 16 00-0048 EA CT203T Monoflo TR Muncher 12" Ports with 12" Throat.....	27,175.80	276.54
For 5 HP TEXP Motor, Add	1,150.00	
For 5mm Thick Cutters, Add	950.00	
33 32 16 00-0049 EA Monoflo TR Muncher Control Panel (MF-511) .....	4,865.29	69.13
33 32 16 00-0050 EA Monoflo TR Muncher 12" Cutter Stack Rotating Assembly, spare part, material only .....	11,108.50	
For 5mm Thick Cutters, Add	725.00	
33 32 16 00-0051 EA Monoflo TR Muncher 20" Cutter Stack Rotating Assembly, spare part, material only .....	11,678.52	
For 5mm Thick Cutters, Add	950.00	
<b>33 34 Onsite Wastewater Disposal</b> <small>(33 30)</small>		
Note: Excludes distribution field piping, trenching or excavation.		
<b>33 34 13 Septic Tanks</b> <small>(33 34)</small>		
<b>33 34 13 13 Concrete Septic Tanks</b> <small>(33 34 13)</small>		
<b>33 34 13 13-0001 Precast Concrete Septic Tank</b> <small>(33 34 13 13)</small>		
Note: Includes external coating.		
33 34 13 13-0002 EA 1,000 Gallon Precast Septic Tank.....	2,299.97	390.71
For Non-Traffic Rated, Deduct	-455.04	
33 34 13 13-0003 EA 1,250 Gallon Precast Septic Tank.....	2,770.84	431.28
For Non-Traffic Rated, Deduct	-560.33	
33 34 13 13-0004 EA 1,500 Gallon Precast Septic Tank.....	3,223.26	471.79
For Non-Traffic Rated, Deduct	-661.01	
33 34 13 13-0005 EA 2,000 Gallon Precast Septic Tank.....	4,153.88	512.82
For Non-Traffic Rated, Deduct	-881.52	
33 34 13 13-0006 EA 2,500 Gallon Precast Septic Tank.....	4,932.60	708.17
For Non-Traffic Rated, Deduct	-1,016.53	



<b>Utilities</b>	<b>33</b>	<b>33</b>
<b>Sanitary Sewerage Utilities</b>	<b>33 30</b>	
<b>Onsite Wastewater Disposal</b>	<b>33 34</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 34 13 13-0007 EA 4,000 Gallon Precast Septic Tank ..... <i>For Non-Traffic Rated, Deduct</i>	13,274.75 -3,019.14	976.79
33 34 13 13-0008 EA 5,000 Gallon Precast Septic Tank ..... <i>For Non-Traffic Rated, Deduct</i>	24,193.97 -5,600.45	1,465.18
33 34 13 13-0009 EA 7,500 Gallon Precast Septic Tank ..... <i>For Non-Traffic Rated, Deduct</i>	27,057.80 -6,140.39	2,051.26
33 34 13 13-0010 EA 10,000 Gallon Precast Septic Tank ..... <i>For Non-Traffic Rated, Deduct</i>	33,187.55 -7,548.02	2,454.21
33 34 13 13-0011 EA 12,500 Gallon Precast Septic Tank ..... <i>For Non-Traffic Rated, Deduct</i>	39,188.86 -8,861.13	3,040.29

**33 34 13 23 Fiberglass Septic Tank (33 34 13)**

33 34 13 23-0001 Fiberglass Septic Tank (33 34 13 23)		
33 34 13 23-0002 EA 1,000 Gallon Fiberglass Septic Tank.....	1,390.84	293.03
33 34 13 23-0003 EA 1,250 Gallon Fiberglass Septic Tank.....	1,667.27	390.71
33 34 13 23-0004 EA 1,500 Gallon Fiberglass Septic Tank.....	1,856.78	354.12
33 34 13 23-0005 EA 2,000 Gallon Fiberglass Septic Tank.....	2,968.00	383.35
33 34 13 23-0006 EA 2,500 Gallon Fiberglass Septic Tank.....	3,758.80	531.37
33 34 13 23-0007 EA 4,000 Gallon Fiberglass Septic Tank.....	5,889.57	732.59
33 34 13 23-0008 EA 5,000 Gallon Fiberglass Septic Tank.....	8,750.43	1,098.88
33 34 13 23-0009 EA 7,500 Gallon Fiberglass Septic Tank.....	12,021.45	1,538.44
33 34 13 23-0010 EA 10,000 Gallon Fiberglass Septic Tank.....	14,729.18	1,838.77

**33 34 13 33 Polyethylene Septic Tank (33 34 13)**

33 34 13 33-0001 High Density Polyethylene (HDPE) Septic Tank (33 34 13 33)		
33 34 13 33-0002 EA 300 Gallon One Compartment One Manhole High Density Polyethylene (HDPE) Septic Tank.....	743.06	130.38
33 34 13 33-0003 EA 500 Gallon One Compartment One Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,145.56	146.68
33 34 13 33-0004 EA 900 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,593.47	179.27
33 34 13 33-0005 EA 1,000 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,636.03	195.56
33 34 13 33-0006 EA 1,250 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,896.26	211.86
33 34 13 33-0007 EA 1,500 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,275.99	228.16
33 34 13 33-0008 EA 750 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,604.98	162.97
33 34 13 33-0009 EA 1,000 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,749.85	195.56
33 34 13 33-0010 EA 1,250 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,058.45	211.86
33 34 13 33-0011 EA 1,500 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,418.27	228.16

**33 34 51 Drainage Field System (33 34)**

33 34 51 00-0001 Leaching Pit - Precast Concrete (33 34 51)		
Note: Includes external coating.		
33 34 51 00-0002 EA 3' Diameter, 3' High, Precast Concrete Leaching Pit.....	845.32	57.30
33 34 51 00-0003 EA 4' Diameter, 3' High, Precast Concrete Leaching Pit.....	1,223.08	81.40
33 34 51 00-0004 EA 6' Diameter, 3' High, Precast Concrete Leaching Pit.....	1,628.74	97.68
33 34 51 00-0005 EA 8' Diameter, 4' High, Precast Concrete Leaching Pit.....	2,632.60	162.79
33 34 51 00-0006 EA 10' Diameter, 4' High, Precast Concrete Leaching Pit.....	3,890.52	227.92

**33 34 53 Distribution Chambers (33 34)**

**33 34 53 13 Drainage Field Concrete Distribution Chambers (33 34 53)**

33 34 53 13-0001 Concrete Distribution Boxes (33 34 53 13)		
Note: Includes internal and external coating.		
33 34 53 13-0002 EA 3 Outlet Concrete Distribution Box.....	198.98	41.87
33 34 53 13-0003 EA 5 Outlet Concrete Distribution Box.....	231.38	50.25
33 34 53 13-0004 EA 8 Outlet Concrete Distribution Box.....	408.89	58.62
33 34 53 13-0005 EA 12 Outlet Concrete Distribution Box.....	809.90	100.49

**33 34 53 13-0006 Leaching Field Chambers - Precast Concrete (33 34 53 13)**

33 34 53 13-0007 EA Standard Leaching Field Chamber 13' x 3'-7" x 1'-4".....	1,038.43	41.36
33 34 53 13-0008 EA Heavy Duty Leaching Field Chamber 13' x 3'-9" x 1'-6".....	1,238.92	56.41

**33 34 56 Drainage Field Dosing Chambers (33 34)**

33 34 56 00-0001 Dosing Siphon (33 34 56)		
33 34 56 00-0002 EA Dosing Siphon With Electrical Connection And Solenoid Valve.....	3,350.05	
33 34 56 00-0003 EA Solar Power Control For Dosing Siphon.....	2,302.33	
33 34 56 00-0004 EA Electrical Power Control For Dosing Siphon.....	2,212.44	

**33 40 Stormwater Utilities (33)**

**33 41 Subdrainage (33 40)**

**33 41 16 Subdrainage Piping (33 41)**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

See CSI section 33 42 11 00-0274 for polyethylene drain pipe.

<b>33 41 16 00-0001</b>	<b>Perforated Polyvinyl Chloride (PVC) Drainage Piping, D2729</b> <small>(33 41 16)</small>		
	Note: Includes fittings, couplings, elbows, etc.		
33 41 16 00-0002	LF 3" Perforated Polyvinyl Chloride (PVC) Drainage Piping .....	4.15	2.08
33 41 16 00-0003	LF 4" Perforated Polyvinyl Chloride (PVC) Drainage Piping .....	4.55	2.25
33 41 16 00-0004	LF 6" Perforated Polyvinyl Chloride (PVC) Drainage Piping .....	6.65	2.70
33 41 16 00-0005	LF 8" Perforated Polyvinyl Chloride (PVC) Drainage Piping .....	10.75	3.37
33 41 16 00-0006	LF 10" Perforated Polyvinyl Chloride (PVC) Drainage Piping .....	18.61	3.85
33 41 16 00-0007	LF 12" Perforated Polyvinyl Chloride (PVC) Drainage Piping .....	24.26	4.50
33 41 16 00-0008	LF 15" Perforated Polyvinyl Chloride (PVC) Drainage Piping .....	37.64	5.40
<b>33 41 16 00-0009</b>	<b>Perforated Non Reinforced Concrete Drainage Piping, C444</b> <small>(33 41 16)</small>		
33 41 16 00-0010	LF 6" Perforated Non Reinforced Concrete Drainage Pipe .....	18.94	5.56
	For Extra Strength, Add	1.29	
	For >1,000, Deduct	-0.95	
33 41 16 00-0011	LF 8" Perforated Non Reinforced Concrete Drainage Pipe .....	22.40	6.18
	For Extra Strength, Add	1.59	
	For >1,000, Deduct	-1.12	
33 41 16 00-0012	LF 10" Perforated Non Reinforced Concrete Drainage Pipe .....	25.49	6.80
	For Extra Strength, Add	1.85	
	For >1,000, Deduct	-1.27	
33 41 16 00-0013	LF 12" Perforated Non Reinforced Concrete Drainage Pipe .....	30.38	7.42
	For Extra Strength, Add	2.33	
	For >1,000, Deduct	-1.52	
<b>33 41 16 00-0014</b>	<b>Extra Strength Porous Non Reinforced Concrete Drainage Piping, C654</b> <small>(33 41 16)</small>		
	Note: Bell and spigot or tongue and groove. With seals and gaskets.		
33 41 16 00-0015	LF 6" Extra Strength Porous Non Reinforced Concrete Drainage Pipe .....	14.94	5.56
	For >1,000, Deduct	-0.75	
33 41 16 00-0016	LF 8" Extra Strength Porous Non Reinforced Concrete Drainage Pipe .....	16.52	6.18
	For >1,000, Deduct	-0.83	
33 41 16 00-0017	LF 10" Extra Strength Porous Non Reinforced Concrete Drainage Pipe .....	18.23	6.80
	For >1,000, Deduct	-0.91	
33 41 16 00-0018	LF 12" Extra Strength Porous Non Reinforced Concrete Drainage Pipe .....	21.08	7.06
	For >1,000, Deduct	-1.05	
33 41 16 00-0019	LF 15" Extra Strength Porous Non Reinforced Concrete Drainage Pipe .....	24.80	7.94
	For >1,000, Deduct	-1.24	
33 41 16 00-0020	LF 18" Extra Strength Porous Non Reinforced Concrete Drainage Pipe .....	30.62	10.15
	For >1,000, Deduct	-1.53	
33 41 16 00-0021	LF 21" Extra Strength Porous Non Reinforced Concrete Drainage Pipe .....	38.15	13.03
	For >1,000, Deduct	-1.91	
33 41 16 00-0022	LF 24" Extra Strength Porous Non Reinforced Concrete Drainage Pipe .....	46.57	15.90
	For >1,000, Deduct	-2.33	
<b>33 41 16 00-0023</b>	<b>Standard Strength Porous Non Reinforced Concrete Drainage Piping, C654</b> <small>(33 41 16)</small>		
33 41 16 00-0024	LF 6" Standard Strength Porous Non Reinforced Concrete Drainage Pipe .....	13.61	5.56
	For >1,000, Deduct	-0.68	
33 41 16 00-0025	LF 8" Standard Strength Porous Non Reinforced Concrete Drainage Pipe .....	17.98	6.18
	For >1,000, Deduct	-0.90	
33 41 16 00-0026	LF 10" Standard Strength Porous Non Reinforced Concrete Drainage Pipe .....	23.53	6.80
	For >1,000, Deduct	-1.18	
33 41 16 00-0027	LF 12" Standard Strength Porous Non Reinforced Concrete Drainage Pipe .....	29.20	7.42
	For >1,000, Deduct	-1.46	
33 41 16 00-0028	LF 15" Standard Strength Porous Non Reinforced Concrete Drainage Pipe .....	33.64	8.25
	For >1,000, Deduct	-1.68	
33 41 16 00-0029	LF 18" Standard Strength Porous Non Reinforced Concrete Drainage Pipe .....	43.90	10.29
	For >1,000, Deduct	-2.20	
<b>33 41 16 00-0030</b>	<b>Perforated Vitrified Clay Drainage Piping, C700</b> <small>(33 41 16)</small>		
33 41 16 00-0031	LF 4" Perforated Vitrified Clay Drainage Pipe .....	15.26	6.18
33 41 16 00-0032	LF 6" Perforated Vitrified Clay Drainage Pipe .....	19.05	6.95
33 41 16 00-0033	LF 8" Perforated Vitrified Clay Drainage Pipe .....	23.61	6.95
33 41 16 00-0034	LF 10" Perforated Vitrified Clay Drainage Pipe .....	33.24	8.50
33 41 16 00-0035	LF 12" Perforated Vitrified Clay Drainage Pipe .....	41.10	9.27
<b>33 41 16 00-0036</b>	<b>Geotextile Filter Fabric Sock</b> <small>(33 41 16)</small>		
33 41 16 00-0037	LF 3" Geotextile Filter Fabric Sock .....	0.41	
33 41 16 00-0038	LF 4" Geotextile Filter Fabric Sock .....	0.54	
33 41 16 00-0039	LF 6" Geotextile Filter Fabric Sock .....	0.83	
33 41 16 00-0040	LF 8" Geotextile Filter Fabric Sock .....	1.10	
33 41 16 00-0041	LF 10" Geotextile Filter Fabric Sock .....	1.69	
33 41 16 00-0042	LF 12" Geotextile Filter Fabric Sock .....	2.38	
33 41 16 00-0043	LF 15" Geotextile Filter Fabric Sock .....	2.91	



	<b>Utilities</b>	<b>33</b>	
	<b>Stormwater Utilities</b>	<b>33 40</b>	<b>33</b>
	<b>Subdrainage</b>	<b>33 41</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 41 16 00-0044</b>			<b>Strip-Perforated, Galvanized, Corrugated Steel Pipe</b> <small>(33 41 16)</small>		
			Note: Perforations are located in the bottom quarter points of the pipe.		
33 41 16 00-0045	LF		6" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe .....	12.52	2.65
			<i>For Full Perforated, Add</i>	0.72	
33 41 16 00-0046	LF		8" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe .....	15.94	3.21
			<i>For Full Perforated, Add</i>	0.95	
33 41 16 00-0047	LF		10" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe .....	20.08	4.08
			<i>For Full Perforated, Add</i>	1.19	
33 41 16 00-0048	LF		12" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe .....	22.11	4.81
			<i>For Full Perforated, Add</i>	1.25	
33 41 16 00-0049	LF		15" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe .....	25.66	4.99
			<i>For Full Perforated, Add</i>	1.57	
33 41 16 00-0050	LF		18" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe .....	29.28	5.16
			<i>For Full Perforated, Add</i>	1.89	
33 41 16 00-0051	LF		21" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe .....	33.69	5.58
			<i>For Full Perforated, Add</i>	2.25	
<b>33 41 16 00-0052</b>			<b>Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe</b> <small>(33 41 16)</small>		
			Note: Perforations are located in the bottom quarter points of the pipe.		
33 41 16 00-0053	LF		6" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe .....	13.68	2.65
			<i>For Full Perforated, Add</i>	0.84	
33 41 16 00-0054	LF		8" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe .....	17.52	3.21
			<i>For Full Perforated, Add</i>	1.11	
33 41 16 00-0055	LF		10" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe .....	22.00	4.08
			<i>For Full Perforated, Add</i>	1.39	
33 41 16 00-0056	LF		12" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe .....	23.98	4.81
			<i>For Full Perforated, Add</i>	1.44	
33 41 16 00-0057	LF		15" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe .....	27.97	4.99
			<i>For Full Perforated, Add</i>	1.80	
33 41 16 00-0058	LF		18" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe .....	32.02	5.16
			<i>For Full Perforated, Add</i>	2.17	
33 41 16 00-0059	LF		21" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe .....	36.88	5.58
			<i>For Full Perforated, Add</i>	2.57	
<b>33 41 16 00-0060</b>			<b>Strip-Perforated, Corrugated Aluminum Pipe</b> <small>(33 41 16)</small>		
			Note: Perforations are located in the bottom quarter points of the pipe.		
33 41 16 00-0061	LF		6" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe .....	14.05	2.65
			<i>For Full Perforated, Add</i>	0.88	
33 41 16 00-0062	LF		8" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe .....	18.00	3.21
			<i>For Full Perforated, Add</i>	1.16	
33 41 16 00-0063	LF		10" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe .....	22.62	4.08
			<i>For Full Perforated, Add</i>	1.45	
33 41 16 00-0064	LF		12" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe .....	28.58	4.81
			<i>For Full Perforated, Add</i>	1.90	
33 41 16 00-0065	LF		15" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe .....	33.70	4.99
			<i>For Full Perforated, Add</i>	2.37	
33 41 16 00-0066	LF		18" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe .....	38.97	5.16
			<i>For Full Perforated, Add</i>	2.86	
33 41 16 00-0067	LF		21" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe .....	44.99	5.58
			<i>For Full Perforated, Add</i>	3.38	
<b>33 41 16 00-0068</b>			<b>Prefabricated Composite Drains</b> <small>(33 41 16)</small>		
<b>33 41 16 00-0069</b>			<b>Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)</b> <small>(33 41 16 00-0068)</small>		
			Note: Excludes excavation and backfill. See CSI section 31 23 16 13-0000 for excavation and backfill.		
33 41 16 00-0070	LF		12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) .....	5.92	1.08
			<i>For External Typar Geotextile Wrap, Add</i>	1.18	
33 41 16 00-0071	EA		Coupler For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) .....	27.28	
33 41 16 00-0072	EA		End Cap For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) .....	27.28	
33 41 16 00-0073	EA		Side Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) .....	54.63	
33 41 16 00-0074	EA		End Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) .....	54.63	
33 41 16 00-0075	LF		18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) .....	9.64	1.35
			<i>For External Typar Geotextile Wrap, Add</i>	1.77	
33 41 16 00-0076	EA		Coupler For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) .....	41.32	
33 41 16 00-0077	EA		End Cap For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) .....	41.32	
33 41 16 00-0078	EA		Side Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) .....	66.53	
33 41 16 00-0079	EA		End Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) .....	66.53	
<b>33 41 19</b>			<b>Underslab Drainage</b> <small>(33 41)</small>		
<b>33 41 19 00-0001</b>			<b>Capillary Water Barrier Underslab Drainage</b> <small>(33 41 19)</small>		
			Note: Consists of a layer of fine granular material overlying a coarse layer.		
33 41 19 00-0002	CY		2" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage .....	58.68	
33 41 19 00-0003	CY		4" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage .....	57.50	
33 41 19 00-0004	CY		6" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage .....	57.03	
33 41 19 00-0005	CY		8" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage .....	56.32	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST
**33 42 Stormwater Conveyance** (33 40)

Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

**33 42 11 Stormwater Gravity Piping** (33 42)**33 42 11 00-0001 Reinforced Concrete Piping** (33 42 11)**33 42 11 00-0002 Class 3 Reinforced Concrete Pipe Without Gaskets** (33 42 11 00-0001)

33 42 11 00-0003	LF 12" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	29.06	7.42
	<i>For &gt;1,000, Deduct</i>	-1.45	
	<i>For Class 4, Add</i>	1.75	
	<i>For Class 5, Add</i>	3.69	
33 42 11 00-0004	LF 15" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	35.45	8.25
	<i>For &gt;1,000, Deduct</i>	-1.77	
	<i>For Class 4, Add</i>	2.25	
	<i>For Class 5, Add</i>	4.73	
33 42 11 00-0005	LF 18" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	39.58	10.29
	<i>For &gt;1,000, Deduct</i>	-1.98	
	<i>For Class 4, Add</i>	2.36	
	<i>For Class 5, Add</i>	4.98	
33 42 11 00-0006	LF 21" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	50.88	12.97
	<i>For &gt;1,000, Deduct</i>	-2.54	
	<i>For Class 4, Add</i>	3.07	
	<i>For Class 5, Add</i>	6.47	
33 42 11 00-0007	LF 24" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	59.11	15.76
	<i>For &gt;1,000, Deduct</i>	-2.96	
	<i>For Class 4, Add</i>	3.48	
	<i>For Class 5, Add</i>	7.32	
33 42 11 00-0008	LF 27" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	74.80	20.03
	<i>For &gt;1,000, Deduct</i>	-3.74	
	<i>For Class 4, Add</i>	4.39	
	<i>For Class 5, Add</i>	9.24	
33 42 11 00-0009	LF 30" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	79.85	20.69
	<i>For &gt;1,000, Deduct</i>	-3.99	
	<i>For Class 4, Add</i>	4.75	
	<i>For Class 5, Add</i>	9.99	
33 42 11 00-0010	LF 36" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	100.99	23.50
	<i>For &gt;1,000, Deduct</i>	-5.05	
	<i>For Class 4, Add</i>	6.44	
	<i>For Class 5, Add</i>	13.55	
33 42 11 00-0011	LF 42" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	134.61	25.86
	<i>For &gt;1,000, Deduct</i>	-6.73	
	<i>For Class 4, Add</i>	9.31	
	<i>For Class 5, Add</i>	19.61	
33 42 11 00-0012	LF 48" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	162.72	28.79
	<i>For &gt;1,000, Deduct</i>	-8.14	
	<i>For Class 4, Add</i>	11.55	
	<i>For Class 5, Add</i>	24.32	
33 42 11 00-0013	LF 54" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	204.89	32.91
	<i>For &gt;1,000, Deduct</i>	-10.24	
	<i>For Class 4, Add</i>	15.00	
	<i>For Class 5, Add</i>	31.58	
33 42 11 00-0014	LF 60" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	248.70	38.17
	<i>For &gt;1,000, Deduct</i>	-12.44	
	<i>For Class 4, Add</i>	18.45	
	<i>For Class 5, Add</i>	38.83	
33 42 11 00-0015	LF 66" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	397.02	42.31
	<i>For &gt;1,000, Deduct</i>	-19.85	
	<i>For Class 4, Add</i>	32.00	
	<i>For Class 5, Add</i>	67.37	
33 42 11 00-0016	LF 72" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	465.71	46.07
	<i>For &gt;1,000, Deduct</i>	-23.29	
	<i>For Class 4, Add</i>	37.99	
	<i>For Class 5, Add</i>	79.98	
33 42 11 00-0017	LF 78" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	562.96	51.71
	<i>For &gt;1,000, Deduct</i>	-28.15	
	<i>For Class 4, Add</i>	46.45	
	<i>For Class 5, Add</i>	97.78	
33 42 11 00-0018	LF 84" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	732.69	57.58
	<i>For &gt;1,000, Deduct</i>	-36.63	
	<i>For Class 4, Add</i>	61.79	
	<i>For Class 5, Add</i>	130.08	

**33 42 11 00-0019 HE-I Elliptical Reinforced Concrete Piping Without Gaskets** (33 42 11 00-0001)

33 42 11 00-0020	LF 12" x 18" Elliptical Reinforced Concrete Pipe Without Gaskets (15" Diameter Equivalent Round Size).....	43.50	11.69
	<i>For &gt;1,000, Deduct</i>	-2.18	
	<i>For Horizontal Elliptical - II (HE- II), Add</i>	2.68	
	<i>For Horizontal Elliptical - III (HE- III), Add</i>	5.90	
	<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	12.87	



<b>Utilities</b>	<b>33</b>	<b>33</b>
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0021 LF 14" x 23" Elliptical Reinforced Concrete Pipe Without Gaskets (18" Diameter Equivalent Round Size).....	73.40	13.69
For >1,000, Deduct	-3.67	
For Horizontal Elliptical - II (HE- II), Add	5.38	
For Horizontal Elliptical - III (HE- III), Add	11.84	
For Horizontal Elliptical - IV (HE- IV), Add	25.84	
33 42 11 00-0022 LF 19" x 30" Elliptical Reinforced Concrete Pipe Without Gaskets (24" Diameter Equivalent Round Size).....	100.39	20.96
For >1,000, Deduct	-5.02	
For Horizontal Elliptical - II (HE- II), Add	7.04	
For Horizontal Elliptical - III (HE- III), Add	15.50	
For Horizontal Elliptical - IV (HE- IV), Add	33.81	
33 42 11 00-0023 LF 22" x 34" Elliptical Reinforced Concrete Pipe Without Gaskets (27" Diameter Equivalent Round Size).....	116.81	26.64
For >1,000, Deduct	-5.84	
For Horizontal Elliptical - II (HE- II), Add	7.88	
For Horizontal Elliptical - III (HE- III), Add	17.33	
For Horizontal Elliptical - IV (HE- IV), Add	37.80	
33 42 11 00-0024 LF 24" x 38" Elliptical Reinforced Concrete Pipe Without Gaskets (30" Diameter Equivalent Round Size).....	124.35	27.83
For >1,000, Deduct	-6.22	
For Horizontal Elliptical - II (HE- II), Add	8.46	
For Horizontal Elliptical - III (HE- III), Add	18.61	
For Horizontal Elliptical - IV (HE- IV), Add	40.60	
33 42 11 00-0025 LF 27" x 42" Elliptical Reinforced Concrete Pipe Without Gaskets (33" Diameter Equivalent Round Size).....	144.83	29.39
For >1,000, Deduct	-7.24	
For Horizontal Elliptical - II (HE- II), Add	10.29	
For Horizontal Elliptical - III (HE- III), Add	22.63	
For Horizontal Elliptical - IV (HE- IV), Add	49.37	
33 42 11 00-0026 LF 29" x 45" Elliptical Reinforced Concrete Pipe Without Gaskets (36" Diameter Equivalent Round Size).....	165.32	30.94
For >1,000, Deduct	-8.27	
For Horizontal Elliptical - II (HE- II), Add	12.11	
For Horizontal Elliptical - III (HE- III), Add	26.65	
For Horizontal Elliptical - IV (HE- IV), Add	58.14	
33 42 11 00-0027 LF 34" x 53" Elliptical Reinforced Concrete Pipe Without Gaskets (42" Diameter Equivalent Round Size).....	204.46	34.05
For >1,000, Deduct	-10.22	
For Horizontal Elliptical - II (HE- II), Add	15.58	
For Horizontal Elliptical - III (HE- III), Add	34.28	
For Horizontal Elliptical - IV (HE- IV), Add	74.79	
33 42 11 00-0028 LF 38" x 60" Elliptical Reinforced Concrete Pipe Without Gaskets (48" Diameter Equivalent Round Size).....	248.57	38.29
For >1,000, Deduct	-12.43	
For Horizontal Elliptical - II (HE- II), Add	19.39	
For Horizontal Elliptical - III (HE- III), Add	42.65	
For Horizontal Elliptical - IV (HE- IV), Add	93.05	
33 42 11 00-0029 LF 43" x 68" Elliptical Reinforced Concrete Pipe Without Gaskets (54" Diameter Equivalent Round Size).....	282.82	43.77
For >1,000, Deduct	-14.14	
For Horizontal Elliptical - II (HE- II), Add	22.03	
For Horizontal Elliptical - III (HE- III), Add	48.47	
For Horizontal Elliptical - IV (HE- IV), Add	105.74	
33 42 11 00-0030 LF 48" x 76" Elliptical Reinforced Concrete Pipe Without Gaskets (60" Diameter Equivalent Round Size).....	353.04	50.77
For >1,000, Deduct	-17.65	
For Horizontal Elliptical - II (HE- II), Add	28.05	
For Horizontal Elliptical - III (HE- III), Add	61.71	
For Horizontal Elliptical - IV (HE- IV), Add	134.65	
33 42 11 00-0031 LF 53" x 83" Elliptical Reinforced Concrete Pipe without Gaskets (66" Diameter Equivalent Round Size).....	404.57	55.94
33 42 11 00-0032 LF 58" x 91" Elliptical Reinforced Concrete Pipe without Gaskets (72" Diameter Equivalent Round Size).....	495.98	61.11
33 42 11 00-0033 LF 63" x 98" Elliptical Reinforced Concrete Pipe without Gaskets (78" Diameter Equivalent Round Size).....	595.94	69.11
33 42 11 00-0034 LF 68" x 106" Elliptical Reinforced Concrete Pipe without Gaskets (84" Diameter Equivalent Round Size).....	643.54	76.63
33 42 11 00-0035 LF 72" x 113" Elliptical Reinforced Concrete Pipe without Gaskets (90" Diameter Equivalent Round Size).....	838.56	80.39
33 42 11 00-0036 LF 77" x 121" Elliptical Reinforced Concrete Pipe without Gaskets (96" Diameter Equivalent Round Size).....	979.15	84.14
<b>33 42 11 00-0037 Concrete Reducing Wye Without Gaskets (33 42 11 00-0001)</b>		
33 42 11 00-0038 EA 12" Concrete Reducing Wye Without Gaskets .....	404.36	28.26
33 42 11 00-0039 EA 15" Concrete Reducing Wye Without Gaskets .....	484.42	34.44
33 42 11 00-0040 EA 18" Concrete Reducing Wye Without Gaskets .....	602.43	37.97
33 42 11 00-0041 EA 21" Concrete Reducing Wye Without Gaskets .....	688.55	46.80
33 42 11 00-0042 EA 24" Concrete Reducing Wye Without Gaskets .....	775.30	56.51
<b>33 42 11 00-0043 Concrete Pipe Joint Gaskets (33 42 11 00-0001)</b>		
33 42 11 00-0044 EA 12" Diameter Concrete Pipe Joint Gasket .....	4.10	
33 42 11 00-0045 EA 15" Diameter Concrete Pipe Joint Gasket .....	4.85	
33 42 11 00-0046 EA 18" Diameter Concrete Pipe Joint Gasket .....	5.62	
33 42 11 00-0047 EA 21" Diameter Concrete Pipe Joint Gasket .....	6.79	
33 42 11 00-0048 EA 24" Diameter Concrete Pipe Joint Gasket .....	7.95	
33 42 11 00-0049 EA 27" Diameter Concrete Pipe Joint Gasket .....	8.86	
33 42 11 00-0050 EA 30" Diameter Concrete Pipe Joint Gasket .....	9.74	
33 42 11 00-0051 EA 36" Diameter Concrete Pipe Joint Gasket .....	11.89	
33 42 11 00-0052 EA 42" Diameter Concrete Pipe Joint Gasket .....	13.79	
33 42 11 00-0053 EA 48" Diameter Concrete Pipe Joint Gasket .....	15.90	
33 42 11 00-0054 EA 54" Diameter Concrete Pipe Joint Gasket .....	19.49	
33 42 11 00-0055 EA 60" Diameter Concrete Pipe Joint Gasket .....	28.86	
33 42 11 00-0056 EA 66" Diameter Concrete Pipe Joint Gasket .....	29.99	
33 42 11 00-0057 EA 72" Diameter Concrete Pipe Joint Gasket .....	31.10	
33 42 11 00-0058 EA 78" Diameter Concrete Pipe Joint Gasket .....	35.82	
33 42 11 00-0059 EA 84" Diameter Concrete Pipe Joint Gasket .....	42.94	



**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-060			<b>Couplings (33 42 11 00-0001)</b>		
33 42 11 00-061			<b>Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings (33 42 11 00-0060)</b>		
			Note: For concrete to cast iron or plastic pipe. Includes stainless steel clamps. Fernco 1006.		
33 42 11 00-062	EA		4" x 3" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	29.47	
33 42 11 00-063	EA		4" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	26.84	
33 42 11 00-064	EA		6" x 4" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	48.29	
33 42 11 00-065	EA		6" x 5" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	50.39	
33 42 11 00-066	EA		6" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	46.35	
33 42 11 00-067	EA		8" x 6" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	74.02	
33 42 11 00-068	EA		8" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	63.04	
33 42 11 00-069	EA		10" x 8" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	94.41	
33 42 11 00-070	EA		10" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	82.82	
33 42 11 00-071	EA		12" x 10" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	115.10	
33 42 11 00-072	EA		12" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	95.02	
33 42 11 00-073	EA		15" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	311.52	
33 42 11 00-074			<b>Precast Concrete Cut Off Wall (33 42 11 00-0001)</b>		
33 42 11 00-075	EA		12" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	179.79	82.74
33 42 11 00-076	EA		15" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	221.07	102.48
33 42 11 00-077	EA		18" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	269.88	129.74
33 42 11 00-078	EA		21" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	316.81	155.13
33 42 11 00-079	EA		24" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	362.75	179.52
33 42 11 00-080	EA		27" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	434.18	229.41
33 42 11 00-081	EA		30" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	542.41	315.90
33 42 11 00-082	EA		36" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	668.43	398.64
33 42 11 00-083	EA		42" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	812.78	500.09
33 42 11 00-084	EA		48" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	903.31	563.64
33 42 11 00-085	EA		54" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,004.46	631.80
33 42 11 00-086	EA		60" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,105.57	701.85
33 42 11 00-087	EA		66" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,149.83	728.64
33 42 11 00-088	EA		72" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,188.86	752.15
33 42 11 00-089	EA		78" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,227.89	775.65
33 42 11 00-090	EA		84" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall.....	1,268.87	799.16
33 42 11 00-091			<b>Strap Assembly (33 42 11 00-0001)</b>		
			Note: Includes drilling holes in concrete pipe, setting threaded rod, bolts, and mounting the 12' strap.		
33 42 11 00-092	EA		Up To 24" Diameter Pipe, 12' Strap Assembly.....	129.53	
33 42 11 00-093	EA		>24" Diameter Pipe, 12' Strap Assembly.....	183.99	
33 42 11 00-094			<b>Prestressed Concrete Cylinder Piping (33 42 11)</b>		
33 42 11 00-095			<b>150 PSI Prestressed Concrete Cylinder Pipe And Fittings (33 42 11 00-0094)</b>		
33 42 11 00-096			<b>150 PSI Prestressed Concrete Cylinder Pipe With Gaskets (33 42 11 00-0095)</b>		
			Note: Lined-cylinder pipe (AWWA C301) up to 48". Embedded-cylinder pipe (AWWA C301) >48".		
33 42 11 00-097	LF		12" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	90.18	7.42
			For >1,000, Deduct	-4.51	
			For 100 PSI, Deduct	-19.90	
33 42 11 00-098	LF		15" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	95.99	8.25
			For >1,000, Deduct	-4.80	
			For 100 PSI, Deduct	-21.05	
33 42 11 00-099	LF		18" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	103.51	10.29
			For >1,000, Deduct	-5.18	
			For 100 PSI, Deduct	-22.20	
33 42 11 00-100	LF		21" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	111.96	12.97
			For >1,000, Deduct	-5.60	
			For 100 PSI, Deduct	-23.36	
33 42 11 00-101	LF		24" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	120.55	15.76
			For >1,000, Deduct	-6.03	
			For 100 PSI, Deduct	-24.51	
33 42 11 00-102	LF		30" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	139.65	20.69
			For >1,000, Deduct	-6.98	
			For 100 PSI, Deduct	-27.44	
33 42 11 00-103	LF		36" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	154.73	23.50
			For >1,000, Deduct	-7.74	
			For 100 PSI, Deduct	-30.37	
33 42 11 00-104	LF		42" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	180.69	25.86
			For >1,000, Deduct	-9.03	
			For 100 PSI, Deduct	-36.03	
33 42 11 00-105	LF		48" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	207.86	28.79
			For >1,000, Deduct	-10.39	
			For 100 PSI, Deduct	-41.68	
33 42 11 00-106	LF		54" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	279.11	39.37
			For >1,000, Deduct	-13.96	
			For 100 PSI, Deduct	-55.72	



	<b>Utilities</b>	<b>33</b>
	<b>Stormwater Utilities</b>	<b>33 40</b>
	<b>Stormwater Conveyance</b>	<b>33 42</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0107	LF	60"	150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For &gt;1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	337.54 -16.88 -68.08	45.67
33 42 11 00-0108	LF	66"	150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For &gt;1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	379.90 -19.00 -76.98	50.62
33 42 11 00-0109	LF	72"	150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For &gt;1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	424.36 -21.22 -86.40	55.12
33 42 11 00-0110	LF	78"	150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For &gt;1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	482.36 -24.12 -98.45	61.87
33 42 11 00-0111	LF	84"	150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For &gt;1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	540.38 -27.02 -110.49	68.90
33 42 11 00-0112	LF	90"	150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For &gt;1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	670.37 -33.52 -138.77	80.43
33 42 11 00-0113	LF	96"	150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For &gt;1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	791.02 -39.55 -164.95	91.85
33 42 11 00-0114	LF	102"	150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For &gt;1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	930.08 -46.50 -196.37	101.22
33 42 11 00-0115	LF	108"	150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For &gt;1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	1,054.24 -52.71 -225.17	107.49
33 42 11 00-0116	LF	114"	150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For &gt;1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	1,283.12 -64.16 -280.15	113.75
33 42 11 00-0117	LF	120"	150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For &gt;1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	1,500.78 -75.04 -332.52	119.49
33 42 11 00-0118	LF	126"	150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For &gt;1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	1,638.85 -81.94 -364.99	125.24
33 42 11 00-0119	LF	132"	150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For &gt;1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	1,779.00 -88.95 -397.98	130.98
33 42 11 00-0120	LF	138"	150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For &gt;1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	1,918.11 -95.91 -430.70	136.71
33 42 11 00-0121	LF	144"	150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For &gt;1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	2,057.22 -102.86 -463.43	142.45
<b>33 42 11 00-0122</b>			<b>150 PSI Prestressed Concrete Cylinder 90 Degree Elbows With Gaskets</b> <sup>(33)</sup> <small>42 11 00-0095)</small>		
33 42 11 00-0123	EA	12"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	245.89	69.53
33 42 11 00-0124	EA	15"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	336.91	99.34
33 42 11 00-0125	EA	18"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	428.27	132.45
33 42 11 00-0126	EA	21"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	519.63	165.56
33 42 11 00-0127	EA	24"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	625.55	205.74
33 42 11 00-0128	EA	30"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	808.01	275.93
33 42 11 00-0129	EA	36"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	993.14	329.07
33 42 11 00-0130	EA	42"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,155.63	384.07
33 42 11 00-0131	EA	48"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,294.33	438.59
33 42 11 00-0132	EA	54"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,583.88	547.66
33 42 11 00-0133	EA	60"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,135.07	787.41
33 42 11 00-0134	EA	66"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,372.78	871.78
33 42 11 00-0135	EA	72"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,610.49	956.15
33 42 11 00-0136	EA	78"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,228.19	1,096.76
33 42 11 00-0137	EA	84"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,842.79	1,237.37
33 42 11 00-0138	EA	90"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,585.43	1,406.10
33 42 11 00-0139	EA	96"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	5,324.97	1,574.83
33 42 11 00-0140	EA	102"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	7,274.31	2,034.98
33 42 11 00-0141	EA	108"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	9,136.97	2,441.97
33 42 11 00-0142	EA	114"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	11,804.17	3,255.97
33 42 11 00-0143	EA	120"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	14,432.86	4,069.96
33 42 11 00-0144	EA	126"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	16,458.32	4,389.74
33 42 11 00-0145	EA	132"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	18,485.94	4,709.52
33 42 11 00-0146	EA	138"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	25,060.99	5,029.30
33 42 11 00-0147	EA	144"	90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	22,585.69	5,349.10
<b>33 42 11 00-0148</b>			<b>150 PSI Prestressed Concrete Cylinder 45 Degree Elbows With Gaskets</b> <sup>(33)</sup> <small>42 11 00-0095)</small>		
33 42 11 00-0149	EA	12"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	224.53	69.53
33 42 11 00-0150	EA	15"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	309.26	99.34
33 42 11 00-0151	EA	18"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	395.59	132.45
33 42 11 00-0152	EA	21"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	481.93	165.56
33 42 11 00-0153	EA	24"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	582.82	205.74
33 42 11 00-0154	EA	30"	45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	749.37	257.39

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0155 EA 36" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	926.11	329.07
33 42 11 00-0156 EA 42" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,078.13	384.07
33 42 11 00-0157 EA 48" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,210.96	438.59
33 42 11 00-0158 EA 54" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,472.06	547.66
33 42 11 00-0159 EA 60" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,022.24	787.41
33 42 11 00-0160 EA 66" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,251.77	871.78
33 42 11 00-0161 EA 72" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,481.30	956.15
33 42 11 00-0162 EA 78" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,926.63	1,096.76
33 42 11 00-0163 EA 84" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,368.86	1,237.37
33 42 11 00-0164 EA 90" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,987.33	1,406.10
33 42 11 00-0165 EA 96" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,602.71	1,574.83
33 42 11 00-0166 EA 102" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	6,077.49	1,968.54
33 42 11 00-0167 EA 108" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	7,731.36	2,441.97
33 42 11 00-0168 EA 114" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	10,056.58	3,255.97
33 42 11 00-0169 EA 120" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	12,343.29	4,069.96
33 42 11 00-0170 EA 126" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	13,908.67	4,389.74
33 42 11 00-0171 EA 132" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	15,476.21	5,349.10
33 42 11 00-0172 EA 138" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	17,052.31	5,029.30
33 42 11 00-0173 EA 144" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	18,785.60	5,349.10
<b>33 42 11 00-0174 400 PSI Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11 00-0094)</b>		
<b>33 42 11 00-0175 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11 00-0174)</b>		
Note: AWWA C301		
33 42 11 00-0176 LF 30" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	167.20	20.69
For >1,000, Deduct	-8.36	
33 42 11 00-0177 LF 36" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	205.60	23.50
For >1,000, Deduct	-10.28	
33 42 11 00-0178 LF 42" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	241.08	25.86
For >1,000, Deduct	-12.05	
<b>33 42 11 00-0179 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11 00-0174)</b>		
Note: AWWA C301		
33 42 11 00-0180 LF 48" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	329.18	28.77
For >1,000, Deduct	-16.46	
33 42 11 00-0181 LF 54" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	395.55	39.37
For >1,000, Deduct	-19.78	
33 42 11 00-0182 LF 60" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	455.81	45.67
For >1,000, Deduct	-22.79	
33 42 11 00-0183 LF 66" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	513.82	50.62
For >1,000, Deduct	-25.69	
33 42 11 00-0184 LF 72" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	626.20	55.12
For >1,000, Deduct	-31.31	
<b>33 42 11 00-0185 Welded Joints For Prestressed Concrete Cylinder Pipe (33 42 11 00-0174)</b>		
Note: All pipe joints to be exposed and dewatered. Internal joint welding also requires joints to be ventilated and air quality checked.		
33 42 11 00-0186 EA 30" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,308.69	
33 42 11 00-0187 EA 36" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,405.64	
33 42 11 00-0188 EA 42" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,454.11	
33 42 11 00-0189 EA 48" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,647.99	
33 42 11 00-0190 EA 54" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,696.46	
33 42 11 00-0191 EA 60" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,793.40	
33 42 11 00-0192 EA 66" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,841.87	
33 42 11 00-0193 EA 72" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,890.34	
33 42 11 00-0194 EA 30" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,423.51	
33 42 11 00-0195 EA 36" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,423.51	
33 42 11 00-0196 EA 42" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,762.80	
33 42 11 00-0197 EA 48" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,762.80	
33 42 11 00-0198 EA 54" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,956.68	
33 42 11 00-0199 EA 60" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,956.68	
33 42 11 00-0200 EA 66" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,199.03	
33 42 11 00-0201 EA 72" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,199.03	
<b>33 42 11 00-0202 Quick Test Joints (33 42 11 00-0174)</b>		
33 42 11 00-0203 EA 30" Quick Test Joint.....	334.92	
33 42 11 00-0204 EA 36" Quick Test Joint.....	337.27	
33 42 11 00-0205 EA 42" Quick Test Joint.....	339.62	
33 42 11 00-0206 EA 48" Quick Test Joint.....	346.06	
33 42 11 00-0207 EA 54" Quick Test Joint.....	363.10	
33 42 11 00-0208 EA 60" Quick Test Joint.....	375.54	
33 42 11 00-0209 EA 66" Quick Test Joint.....	394.80	
33 42 11 00-0210 EA 72" Quick Test Joint.....	414.06	
<b>33 42 11 00-0211 Harnessed Joints (33 42 11 00-0174)</b>		



	<b>Utilities</b>	<b>33</b>	
	Stormwater Utilities	33 40	33
	Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 42 11 00-0212</b> <b>Harness Clamp Restrained Joints</b> <small>(33 42 11 00-0211)</small>		
33 42 11 00-0213 EA 30" Harness Clamp Restrained Joint.....	3,113.71	
33 42 11 00-0214 EA 36" Harness Clamp Restrained Joint.....	3,234.37	
33 42 11 00-0215 EA 42" Harness Clamp Restrained Joint.....	3,355.03	
33 42 11 00-0216 EA 48" Harness Clamp Restrained Joint.....	3,475.69	
33 42 11 00-0217 EA 54" Harness Clamp Restrained Joint.....	3,605.59	
33 42 11 00-0218 EA 60" Harness Clamp Restrained Joint.....	3,788.68	
33 42 11 00-0219 EA 66" Harness Clamp Restrained Joint.....	3,912.61	
33 42 11 00-0220 EA 72" Harness Clamp Restrained Joint.....	4,190.35	
<b>33 42 11 00-0221</b> <b>Snap Ring Restrained Joints</b> <small>(33 42 11 00-0211)</small>		
33 42 11 00-0222 EA 30" Snap Ring Restrained Joint.....	510.86	
33 42 11 00-0223 EA 36" Snap Ring Restrained Joint.....	584.19	
33 42 11 00-0224 EA 42" Snap Ring Restrained Joint.....	787.67	
33 42 11 00-0225 EA 48" Snap Ring Restrained Joint.....	896.50	
33 42 11 00-0226 EA 54" Snap Ring Restrained Joint.....	1,014.56	
33 42 11 00-0227 EA 60" Snap Ring Restrained Joint.....	1,150.34	
33 42 11 00-0228 EA 66" Snap Ring Restrained Joint.....	1,274.27	
33 42 11 00-0229 EA 72" Snap Ring Restrained Joint.....	1,421.86	
<b>33 42 11 00-0230</b> <b>Pipe Repairs</b> <small>(33 42 11 00-0174)</small>		
Note: For repair of damaged or defective lined or embedded cylinder concrete pipe. Includes 2 concrete adapters, MJDI sleeve, 20' pipe.		
<b>33 42 11 00-0231</b> <b>Lined Cylinder Pipe Repair</b> <small>(33 42 11 00-0230)</small>		
33 42 11 00-0232 EA 30" Lined Cylinder Pipe Repair.....	5,191.46	
33 42 11 00-0233 EA 36" Lined Cylinder Pipe Repair.....	6,467.98	
33 42 11 00-0234 EA 42" Lined Cylinder Pipe Repair.....	6,206.03	
<b>33 42 11 00-0235</b> <b>Embedded Cylinder Pipe Repair</b> <small>(33 42 11 00-0230)</small>		
Note: Field welded concrete enclosure assembly with concrete pipe.		
33 42 11 00-0236 EA 48" Embedded Cylinder Pipe Repair.....	9,603.68	
33 42 11 00-0237 EA 54" Embedded Cylinder Pipe Repair.....	11,203.47	
33 42 11 00-0238 EA 60" Embedded Cylinder Pipe Repair.....	12,810.92	
33 42 11 00-0239 EA 66" Embedded Cylinder Pipe Repair.....	14,479.86	
33 42 11 00-0240 EA 72" Embedded Cylinder Pipe Repair.....	17,583.61	
<b>33 42 11 00-0241</b> <b>Tapping For Prestressed Concrete Cylinder Pipe</b> <small>(33 42 11 00-0094)</small>		
<b>33 42 11 00-0242</b> <b>Tapping Assembly For Prestressed Concrete Cylinder Pipe</b> <small>(33 42 11 00-0241)</small>		
Note: For use with lock-joint style pipe.		
33 42 11 00-0243 EA 4" Tapping Assembly, 16" Diameter Prestressed Concrete Cylinder Pipe.....	1,747.27	
33 42 11 00-0244 EA 6" Tapping Assembly, 16" Diameter Prestressed Concrete Cylinder Pipe.....	1,798.16	
33 42 11 00-0245 EA 8" Tapping Assembly, 16" Diameter Prestressed Concrete Cylinder Pipe.....	2,048.85	
33 42 11 00-0246 EA 10" Tapping Assembly, 16" Diameter Prestressed Concrete Cylinder Pipe.....	2,314.70	
33 42 11 00-0247 EA 12" Tapping Assembly, 16" Diameter Prestressed Concrete Cylinder Pipe.....	2,490.85	
33 42 11 00-0248 EA 4" Tapping Assembly, 20" Diameter Prestressed Concrete Cylinder Pipe.....	1,785.10	
33 42 11 00-0249 EA 6" Tapping Assembly, 20" Diameter Prestressed Concrete Cylinder Pipe.....	1,964.09	
33 42 11 00-0250 EA 8" Tapping Assembly, 20" Diameter Prestressed Concrete Cylinder Pipe.....	2,050.46	
33 42 11 00-0251 EA 10" Tapping Assembly, 20" Diameter Prestressed Concrete Cylinder Pipe.....	2,400.92	
33 42 11 00-0252 EA 12" Tapping Assembly, 20" Diameter Prestressed Concrete Cylinder Pipe.....	3,052.44	
33 42 11 00-0253 EA 4" Tapping Assembly, 24" Diameter Prestressed Concrete Cylinder Pipe.....	1,806.95	
33 42 11 00-0254 EA 6" Tapping Assembly, 24" Diameter Prestressed Concrete Cylinder Pipe.....	1,922.90	
33 42 11 00-0255 EA 8" Tapping Assembly, 24" Diameter Prestressed Concrete Cylinder Pipe.....	2,196.48	
33 42 11 00-0256 EA 10" Tapping Assembly, 24" Diameter Prestressed Concrete Cylinder Pipe.....	2,775.05	
33 42 11 00-0257 EA 12" Tapping Assembly, 24" Diameter Prestressed Concrete Cylinder Pipe.....	2,758.09	
33 42 11 00-0258 EA 6" Tapping Assembly, 30" Diameter Prestressed Concrete Cylinder Pipe.....	16,626.02	
33 42 11 00-0259 EA 8" Tapping Assembly, 30" Diameter Prestressed Concrete Cylinder Pipe.....	2,384.28	
<b>33 42 11 00-0260</b> <b>Tapping Assembly And Gland Insert For Prestressed Concrete Cylinder Pipe</b> <small>(33 42 11 00-0241)</small>		
Note: For use with lock-joint style pipe.		
33 42 11 00-0261 EA 3/4" Tap Assembly And Gland Insert For 16" Diameter Prestressed Concrete Cylinder Pipe.....	428.39	
33 42 11 00-0262 EA 1" Tap Assembly And Gland Insert For 16" Diameter Prestressed Concrete Cylinder Pipe.....	447.98	
33 42 11 00-0263 EA 1-1/4" Tap Assembly And Gland Insert For 16" Diameter Prestressed Concrete Cylinder Pipe.....	491.35	
33 42 11 00-0264 EA 1-1/2" Tap Assembly And Gland Insert For 16" Diameter Prestressed Concrete Cylinder Pipe.....	454.02	
33 42 11 00-0265 EA 2" Tap Assembly And Gland Insert For 16" Diameter Prestressed Concrete Cylinder Pipe.....	454.11	
33 42 11 00-0266 EA 3/4" Tap Assembly And Gland Insert For 20" Diameter Prestressed Concrete Cylinder Pipe.....	456.82	
33 42 11 00-0267 EA 1" Tap Assembly And Gland Insert For 20" Diameter Prestressed Concrete Cylinder Pipe.....	496.77	
33 42 11 00-0268 EA 1-1/2" Tap Assembly And Gland Insert For 20" Diameter Prestressed Concrete Cylinder Pipe.....	475.92	
33 42 11 00-0269 EA 2" Tap Assembly And Gland Insert For 20" Diameter Prestressed Concrete Cylinder Pipe.....	475.92	
33 42 11 00-0270 EA 1" Tap Assembly And Gland Insert For 24" Diameter Prestressed Concrete Cylinder Pipe.....	520.60	
33 42 11 00-0271 EA 1-1/4" Tap Assembly And Gland Insert For 24" Diameter Prestressed Concrete Cylinder Pipe.....	531.87	
33 42 11 00-0272 EA 1-1/2" Tap Assembly And Gland Insert For 24" Diameter Prestressed Concrete Cylinder Pipe.....	535.80	
33 42 11 00-0273 EA 2" Tap Assembly And Gland Insert For 24" Diameter Prestressed Concrete Cylinder Pipe.....	540.29	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 42 11 00-0274	High Density Polyethylene (HDPE) Piping <small>(33 42 11)</small>		
33 42 11 00-0275	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0274)</small>		
	Note: Excludes couplings and gaskets.		
33 42 11 00-0276	Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0275)</small>		
33 42 11 00-0277	LF 4" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	7.71	3.25
	For <100, Add	1.30	
	For >1,000, Deduct	-0.39	
33 42 11 00-0278	LF 6" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	10.62	3.79
	For <100, Add	1.51	
	For >1,000, Deduct	-0.53	
33 42 11 00-0279	LF 8" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	13.37	4.40
	For <100, Add	1.76	
	For >1,000, Deduct	-0.67	
33 42 11 00-0280	LF 10" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	15.72	4.55
	For <100, Add	1.82	
	For >1,000, Deduct	-0.79	
33 42 11 00-0281	LF 12" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	16.61	4.71
	For <100, Add	1.89	
	For >1,000, Deduct	-0.83	
33 42 11 00-0282	LF 15" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	19.39	4.88
	For <100, Add	1.95	
	For >1,000, Deduct	-0.97	
33 42 11 00-0283	LF 18" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	24.47	5.05
	For <100, Add	2.02	
	For >1,000, Deduct	-1.22	
33 42 11 00-0284	LF 24" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	34.71	5.92
	For <100, Add	2.37	
	For >1,000, Deduct	-1.74	
33 42 11 00-0285	LF 30" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	49.72	7.97
	For <100, Add	3.19	
	For >1,000, Deduct	-2.49	
33 42 11 00-0286	LF 36" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	65.82	10.08
	For <100, Add	4.03	
	For >1,000, Deduct	-3.29	
33 42 11 00-0287	Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0275)</small>		
33 42 11 00-0288	LF 12" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	16.48	4.71
	For <100, Add	1.89	
	For >1,000, Deduct	-0.82	
33 42 11 00-0289	LF 15" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	19.89	4.88
	For <100, Add	1.95	
	For >1,000, Deduct	-0.99	
33 42 11 00-0290	LF 18" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	25.23	5.05
	For <100, Add	2.02	
	For >1,000, Deduct	-1.26	
33 42 11 00-0291	LF 24" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	35.91	5.92
	For <100, Add	2.37	
	For >1,000, Deduct	-1.80	
33 42 11 00-0292	LF 30" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	53.02	7.97
	For <100, Add	3.19	
	For >1,000, Deduct	-2.65	
33 42 11 00-0293	LF 36" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	68.27	10.08
	For <100, Add	4.03	
	For >1,000, Deduct	-3.41	
33 42 11 00-0294	LF 42" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	91.44	11.00
	For <100, Add	4.40	
	For >1,000, Deduct	-4.57	
33 42 11 00-0295	LF 48" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	99.25	12.40
	For <100, Add	4.96	
	For >1,000, Deduct	-4.96	
33 42 11 00-0296	Single Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0274)</small>		
	Note: Excludes couplings and gaskets.		
33 42 11 00-0297	Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0296)</small>		
33 42 11 00-0298	LF 4" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	7.25	3.25
	For <100, Add	1.30	
	For >1,000, Deduct	-0.36	
33 42 11 00-0299	LF 6" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	9.21	3.79
	For <100, Add	1.51	
	For >1,000, Deduct	-0.46	
33 42 11 00-0300	LF 8" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	11.70	4.40
	For <100, Add	1.76	
	For >1,000, Deduct	-0.59	



<b>Utilities</b>	<b>33</b>	<b>33</b>
<b>Stormwater Utilities</b>	<b>33 40</b>	
<b>Stormwater Conveyance</b>	<b>33 42</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0301 LF 10" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	14.49	4.55
For <100, Add	1.82	
For >1,000, Deduct	-0.72	
33 42 11 00-0302 LF 12" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	16.14	4.71
For <100, Add	1.89	
For >1,000, Deduct	-0.81	
33 42 11 00-0303 LF 15" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	19.53	4.88
For <100, Add	1.95	
For >1,000, Deduct	-0.98	
33 42 11 00-0304 LF 18" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	25.42	5.05
For <100, Add	2.02	
For >1,000, Deduct	-1.27	
33 42 11 00-0305 LF 24" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	35.74	5.92
For <100, Add	2.37	
For >1,000, Deduct	-1.79	
<b>33 42 11 00-0306 Perforated, Corrugated High Density Polyethylene (HDPE) Piping</b> <small>(33 42 11 00-0274)</small>		
Note: Excludes couplings and gaskets.		
<b>33 42 11 00-0307 Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping</b> <small>(33 42 11 00-0305)</small>		
33 42 11 00-0308 LF 4" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	8.35	3.25
For <100, Add	1.30	
For >1,000, Deduct	-0.42	
33 42 11 00-0309 LF 6" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	10.64	3.79
For <100, Add	1.51	
For >1,000, Deduct	-0.53	
33 42 11 00-0310 LF 8" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	13.37	4.40
For <100, Add	1.76	
For >1,000, Deduct	-0.67	
33 42 11 00-0311 LF 10" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	15.74	4.55
For <100, Add	1.82	
For >1,000, Deduct	-0.79	
33 42 11 00-0312 LF 12" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	16.61	4.71
For <100, Add	1.89	
For >1,000, Deduct	-0.83	
33 42 11 00-0313 LF 15" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	19.41	4.88
For <100, Add	1.95	
For >1,000, Deduct	-0.97	
33 42 11 00-0314 LF 18" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	24.49	5.05
For <100, Add	2.02	
For >1,000, Deduct	-1.22	
33 42 11 00-0315 LF 24" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	34.71	5.92
For <100, Add	2.37	
For >1,000, Deduct	-1.74	
33 42 11 00-0316 LF 30" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	49.93	7.97
For <100, Add	3.19	
For >1,000, Deduct	-2.50	
33 42 11 00-0317 LF 36" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	65.82	10.08
For <100, Add	4.03	
For >1,000, Deduct	-3.29	
<b>33 42 11 00-0318 Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping</b> <small>(33 42 11 00-0305)</small>		
33 42 11 00-0319 LF 12" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	16.50	4.71
For <100, Add	1.89	
For >1,000, Deduct	-0.83	
33 42 11 00-0320 LF 15" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	19.91	4.88
For <100, Add	1.95	
For >1,000, Deduct	-1.00	
33 42 11 00-0321 LF 18" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	25.25	5.05
For <100, Add	2.02	
For >1,000, Deduct	-1.26	
33 42 11 00-0322 LF 24" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	35.91	5.92
For <100, Add	2.37	
For >1,000, Deduct	-1.80	
33 42 11 00-0323 LF 30" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	53.02	7.97
For <100, Add	3.19	
For >1,000, Deduct	-2.65	
33 42 11 00-0324 LF 36" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	68.27	10.08
For <100, Add	4.03	
For >1,000, Deduct	-3.41	
33 42 11 00-0325 LF 42" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	91.44	11.00
For <100, Add	4.40	
For >1,000, Deduct	-4.57	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0326	LF		48" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	99.25	12.40
			For <100, Add	4.96	
			For >1,000, Deduct	-4.96	
<b>33 42 11 00-0327</b>			<b>Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping</b> (33 42 11 00-0306)		
33 42 11 00-0328	LF		4" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	7.65	3.25
			For <100, Add	1.30	
			For >1,000, Deduct	-0.38	
33 42 11 00-0329	LF		6" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	9.21	3.79
			For <100, Add	1.51	
			For >1,000, Deduct	-0.46	
33 42 11 00-0330	LF		8" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	11.62	4.40
			For <100, Add	1.76	
			For >1,000, Deduct	-0.58	
33 42 11 00-0331	LF		10" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	14.49	4.55
			For <100, Add	1.82	
			For >1,000, Deduct	-0.72	
33 42 11 00-0332	LF		12" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	16.14	4.71
			For <100, Add	1.89	
			For >1,000, Deduct	-0.81	
33 42 11 00-0333	LF		15" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	19.53	4.88
			For <100, Add	1.95	
			For >1,000, Deduct	-0.98	
33 42 11 00-0334	LF		18" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	25.42	5.05
			For <100, Add	2.02	
			For >1,000, Deduct	-1.27	
33 42 11 00-0335	LF		24" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	35.74	5.92
			For <100, Add	2.37	
			For >1,000, Deduct	-1.79	
<b>33 42 11 00-0336</b>			<b>Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings</b> (33 42 11 00-0274)		
			Note: Excludes couplings and gaskets.		
<b>33 42 11 00-0337</b>			<b>Tees, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)</b> (33 42 11 00-0336)		
33 42 11 00-0338	EA		4" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	40.00	12.23
33 42 11 00-0339	EA		6" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	51.06	14.27
33 42 11 00-0340	EA		8" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	86.62	17.33
33 42 11 00-0341	EA		10" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	135.79	21.41
33 42 11 00-0342	EA		12" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	220.33	25.49
33 42 11 00-0343	EA		15" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	312.92	33.30
33 42 11 00-0344	EA		18" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	452.23	44.85
33 42 11 00-0345	EA		24" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	584.35	51.20
33 42 11 00-0346	EA		30" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	1,042.91	59.12
33 42 11 00-0347	EA		36" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	1,345.01	68.29
33 42 11 00-0348	EA		42" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	2,262.62	81.55
33 42 11 00-0349	EA		48" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	2,843.99	96.84
<b>33 42 11 00-0350</b>			<b>Wyes, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)</b> (33 42 11 00-0336)		
33 42 11 00-0351	EA		4" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	62.78	12.23
33 42 11 00-0352	EA		6" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	76.06	14.27
33 42 11 00-0353	EA		8" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	102.40	17.33
33 42 11 00-0354	EA		10" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	153.19	21.41
33 42 11 00-0355	EA		12" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	276.30	25.49
33 42 11 00-0356	EA		15" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	295.74	33.30
33 42 11 00-0357	EA		18" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	418.83	44.85
<b>33 42 11 00-0358</b>			<b>22-1/2 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)</b> (33 42 11 00-0336)		
33 42 11 00-0359	EA		4" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	23.80	8.15
33 42 11 00-0360	EA		6" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	29.78	9.52
33 42 11 00-0361	EA		8" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	45.11	11.55
33 42 11 00-0362	EA		10" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	56.97	14.27
33 42 11 00-0363	EA		12" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	85.32	16.99
33 42 11 00-0364	EA		15" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	138.47	21.75
33 42 11 00-0365	EA		18" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	182.73	29.90
33 42 11 00-0366	EA		24" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	363.16	33.97
33 42 11 00-0367	EA		30" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	510.20	39.41
33 42 11 00-0368	EA		36" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	598.36	45.53
33 42 11 00-0369	EA		42" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	767.43	54.37
33 42 11 00-0370	EA		48" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	1,043.89	64.56



	<b>Utilities</b>	<b>33</b>
	<b>Stormwater Utilities</b>	<b>33 40</b>
	<b>Stormwater Conveyance</b>	<b>33 42</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 42 11 00-0371</b>	<b>45 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0336)</b>	
33 42 11 00-0372 EA 4" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	26.29	8.15
33 42 11 00-0373 EA 6" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	34.97	9.52
33 42 11 00-0374 EA 8" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	47.77	11.55
33 42 11 00-0375 EA 10" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	78.54	14.27
33 42 11 00-0376 EA 12" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	85.32	16.99
33 42 11 00-0377 EA 15" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	138.04	21.75
33 42 11 00-0378 EA 18" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	217.51	29.90
33 42 11 00-0379 EA 24" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	390.03	33.97
33 42 11 00-0380 EA 30" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	511.47	39.41
33 42 11 00-0381 EA 36" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	656.26	45.53
33 42 11 00-0382 EA 42" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	990.93	54.37
33 42 11 00-0383 EA 48" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	1,244.20	64.56
<b>33 42 11 00-0384</b>	<b>Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings (33 42 11 00-0274)</b>	
Note: Excludes couplings and gaskets.		
<b>33 42 11 00-0385</b>	<b>Tees, Single Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0384)</b>	
33 42 11 00-0386 EA 4" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	24.67	12.23
33 42 11 00-0387 EA 6" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	29.53	14.27
33 42 11 00-0388 EA 8" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	52.05	17.33
33 42 11 00-0389 EA 10" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	67.41	21.41
33 42 11 00-0390 EA 12" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	104.53	25.49
33 42 11 00-0391 EA 15" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	242.57	33.30
33 42 11 00-0392 EA 18" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	286.50	44.85
33 42 11 00-0393 EA 24" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	566.01	50.97
<b>33 42 11 00-0394</b>	<b>Wyes, Single Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0384)</b>	
33 42 11 00-0395 EA 4" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....	25.61	12.23
33 42 11 00-0396 EA 6" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....	32.61	14.27
33 42 11 00-0397 EA 8" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....	84.30	17.33
<b>33 42 11 00-0398</b>	<b>45 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0384)</b>	
33 42 11 00-0399 EA 4" 45 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	16.76	8.15
<b>33 42 11 00-0400</b>	<b>90 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0384)</b>	
33 42 11 00-0401 EA 4" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	17.75	8.15
33 42 11 00-0402 EA 6" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	23.68	9.52
33 42 11 00-0403 EA 8" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	37.00	11.55
33 42 11 00-0404 EA 10" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	49.43	14.27
<b>33 42 11 00-0405</b>	<b>Couplings And End Caps, Corrugated High Density Polyethylene (HDPE) Pipe (33 42 11 00-0274)</b>	
Note: For single and double wall high density polyethylene (HDPE) piping.		
<b>33 42 11 00-0406</b>	<b>Couplings, Corrugated High Density Polyethylene (HDPE) Pipe (33 42 11 00-0405)</b>	
33 42 11 00-0407 EA 4" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	1.49	
33 42 11 00-0408 EA 6" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	2.67	
33 42 11 00-0409 EA 8" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	4.11	
33 42 11 00-0410 EA 10" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	5.05	
33 42 11 00-0411 EA 12" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	5.43	
33 42 11 00-0412 EA 15" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	7.73	
33 42 11 00-0413 EA 18" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	11.44	
33 42 11 00-0414 EA 24" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	18.21	
33 42 11 00-0415 EA 30" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	27.95	
33 42 11 00-0416 EA 36" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	36.58	
33 42 11 00-0417 EA 42" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	57.51	
33 42 11 00-0418 EA 48" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	77.78	
<b>33 42 11 00-0419</b>	<b>Self Adhering Gaskets, Corrugated High Density Polyethylene (HDPE) Pipe (33 42 11 00-0405)</b>	
33 42 11 00-0420 EA 4" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	78.75	
33 42 11 00-0421 EA 6" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	82.46	
33 42 11 00-0422 EA 8" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	86.34	
33 42 11 00-0423 EA 10" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	90.40	
33 42 11 00-0424 EA 12" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	102.22	
33 42 11 00-0425 EA 15" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	110.70	
33 42 11 00-0426 EA 18" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	115.46	
33 42 11 00-0427 EA 24" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	131.51	



**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-0428	EA	30" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	210.82	
	33 42 11 00-0429	EA	36" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	230.92	
	33 42 11 00-0430	EA	42" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	251.61	
	33 42 11 00-0431	EA	48" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	305.58	
	<b>33 42 11 00-0432</b>		<b>End Caps, Corrugated High Density Polyethylene (HDPE) Pipe</b> <small>(33 42 11 00-0405)</small>		
	33 42 11 00-0433	EA	6" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	17.37	
	33 42 11 00-0434	EA	8" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	20.54	
	33 42 11 00-0435	EA	10" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	34.18	
	33 42 11 00-0436	EA	12" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	59.19	
	33 42 11 00-0437	EA	15" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	69.04	
	33 42 11 00-0438	EA	18" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	93.83	
	33 42 11 00-0439	EA	24" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	97.02	
	<b>33 42 11 00-0440</b>		<b>Vitrified Clay Piping</b> <small>(33 42 11)</small>		
	<b>33 42 11 00-0441</b>		<b>Extra Strength Vitrified Clay Piping</b> <small>(33 42 11 00-0440)</small>		
	<b>33 42 11 00-0442</b>		<b>Plain Joint, Extra Strength, Vitrified Clay Piping</b> <small>(33 42 11 00-0441)</small>		
			Note: ASTM C700.		
	33 42 11 00-0443	LF	4" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	14.12	
			For 3' Lengths, Add	1.95	
			For 2' Lengths, Add	2.60	
			For Standard Strength, Deduct	-0.65	
			For >1,000, Deduct	-0.71	
	33 42 11 00-0444	LF	6" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	23.10	
			For 3' Lengths, Add	3.02	
			For 2' Lengths, Add	4.03	
			For Standard Strength, Deduct	-1.01	
			For >1,000, Deduct	-1.16	
	33 42 11 00-0445	LF	8" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	28.86	
			For 3' Lengths, Add	4.32	
			For 2' Lengths, Add	5.76	
			For Standard Strength, Deduct	-1.44	
			For >1,000, Deduct	-1.44	
	33 42 11 00-0446	LF	10" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	37.27	
			For 3' Lengths, Add	6.62	
			For 2' Lengths, Add	8.82	
			For Standard Strength, Deduct	-2.21	
			For >1,000, Deduct	-1.86	
	33 42 11 00-0447	LF	12" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	47.73	
			For 3' Lengths, Add	9.34	
			For 2' Lengths, Add	12.46	
			For Standard Strength, Deduct	-3.11	
			For >1,000, Deduct	-2.39	
	33 42 11 00-0448	LF	15" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	76.85	
			For 3' Lengths, Add	17.52	
			For 2' Lengths, Add	23.36	
			For Standard Strength, Deduct	-5.84	
			For >1,000, Deduct	-3.84	
	33 42 11 00-0449	LF	18" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	106.73	
			For 3' Lengths, Add	25.11	
			For 2' Lengths, Add	33.48	
			For Standard Strength, Deduct	-8.37	
			For >1,000, Deduct	-5.34	
	33 42 11 00-0450	LF	21" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	163.13	
			For 3' Lengths, Add	40.23	
			For 2' Lengths, Add	53.64	
			For Standard Strength, Deduct	-13.41	
			For >1,000, Deduct	-8.16	
	33 42 11 00-0451	LF	24" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	210.45	
			For 3' Lengths, Add	52.55	
			For 2' Lengths, Add	70.07	
			For Standard Strength, Deduct	-17.52	
			For >1,000, Deduct	-10.52	
	33 42 11 00-0452	LF	30" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	261.26	
			For 3' Lengths, Add	65.53	
			For 2' Lengths, Add	87.38	
			For Standard Strength, Deduct	-21.84	
			For >1,000, Deduct	-13.06	
	33 42 11 00-0453	LF	36" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	315.85	
			For 3' Lengths, Add	79.16	
			For 2' Lengths, Add	105.54	
			For Standard Strength, Deduct	-26.39	
			For >1,000, Deduct	-15.79	
	<b>33 42 11 00-0454</b>		<b>Compression Joint, Extra Strength, Vitrified Clay Piping</b> <small>(33 42 11 00-0441)</small>		
			Note: ASTM C425.		



<b>Utilities</b>	<b>33</b>	<b>33</b>
<b>Stormwater Utilities</b>	<b>33 40</b>	
<b>Stormwater Conveyance</b>	<b>33 42</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0455 LF 4" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	19.23	
For 3' Lengths, Add	2.30	
For 2' Lengths, Add	3.06	
For Standard Strength, Deduct	-0.77	
For >1,000, Deduct	-0.96	
33 42 11 00-0456 LF 6" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	25.52	
For 3' Lengths, Add	3.75	
For 2' Lengths, Add	5.00	
For Standard Strength, Deduct	-1.25	
For >1,000, Deduct	-1.28	
33 42 11 00-0457 LF 8" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	32.11	
For 3' Lengths, Add	5.30	
For 2' Lengths, Add	7.06	
For Standard Strength, Deduct	-1.77	
For >1,000, Deduct	-1.61	
33 42 11 00-0458 LF 10" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	44.19	
For 3' Lengths, Add	8.69	
For 2' Lengths, Add	11.59	
For Standard Strength, Deduct	-2.90	
For >1,000, Deduct	-2.21	
33 42 11 00-0459 LF 12" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	54.65	
For 3' Lengths, Add	11.42	
For 2' Lengths, Add	15.22	
For Standard Strength, Deduct	-3.81	
For >1,000, Deduct	-2.73	
33 42 11 00-0460 LF 15" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	87.88	
For 3' Lengths, Add	20.83	
For 2' Lengths, Add	27.77	
For Standard Strength, Deduct	-6.94	
For >1,000, Deduct	-4.39	
33 42 11 00-0461 LF 18" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	124.68	
For 3' Lengths, Add	30.50	
For 2' Lengths, Add	40.66	
For Standard Strength, Deduct	-10.17	
For >1,000, Deduct	-6.23	
33 42 11 00-0462 LF 21" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	183.68	
For 3' Lengths, Add	46.39	
For 2' Lengths, Add	61.86	
For Standard Strength, Deduct	-15.46	
For >1,000, Deduct	-9.18	
33 42 11 00-0463 LF 24" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	242.89	
For 3' Lengths, Add	62.29	
For 2' Lengths, Add	83.05	
For Standard Strength, Deduct	-20.76	
For >1,000, Deduct	-12.14	
33 42 11 00-0464 LF 30" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	404.00	
For 3' Lengths, Add	108.35	
For 2' Lengths, Add	144.47	
For Standard Strength, Deduct	-36.12	
For >1,000, Deduct	-20.20	
33 42 11 00-0465 LF 36" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	584.03	
For 3' Lengths, Add	159.61	
For 2' Lengths, Add	212.81	
For Standard Strength, Deduct	-53.20	
For >1,000, Deduct	-29.20	
<b>33 42 11 00-0466 Extra Strength, Vitrified Clay Pipe Fittings (33 42 11 00-0440)</b>		
<b>33 42 11 00-0467 1/8 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0466)</b>		
<b>33 42 11 00-0468 Plain End 1/8 Bend, Extra Strength, Vitrified Clay (33 42 11 00-0467)</b>		
33 42 11 00-0469 EA 4" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	69.21	
33 42 11 00-0470 EA 6" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	97.19	
33 42 11 00-0471 EA 8" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	146.92	
33 42 11 00-0472 EA 10" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	212.69	
33 42 11 00-0473 EA 12" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	288.56	
33 42 11 00-0474 EA 15" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	745.03	
33 42 11 00-0475 EA 18" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,058.77	
33 42 11 00-0476 EA 21" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,670.12	
33 42 11 00-0477 EA 24" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,922.95	
33 42 11 00-0478 EA 30" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	2,225.03	
33 42 11 00-0479 EA 36" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	3,383.05	
<b>33 42 11 00-0480 Compression Joint 1/8 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0467)</b>		
33 42 11 00-0481 EA 4" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	76.47	
33 42 11 00-0482 EA 6" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	115.41	
33 42 11 00-0483 EA 8" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	163.18	
33 42 11 00-0484 EA 10" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	230.08	
33 42 11 00-0485 EA 12" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	298.70	
33 42 11 00-0486 EA 15" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	831.97	
33 42 11 00-0487 EA 18" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	1,222.48	
33 42 11 00-0488 EA 21" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	1,239.80	
33 42 11 00-0489 EA 24" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	2,470.09	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0490 EA 30" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay .....	2,736.04	
33 42 11 00-0491 EA 36" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay .....	4,115.09	
<b>33 42 11 00-0492 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0466)</b>		
<b>33 42 11 00-0493 Plain End 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0492)</b>		
33 42 11 00-0494 EA 4" Plain End 1/4 Bend, Extra Strength, Vitrified Clay .....	76.85	
33 42 11 00-0495 EA 6" Plain End 1/4 Bend, Extra Strength, Vitrified Clay .....	106.39	
33 42 11 00-0496 EA 8" Plain End 1/4 Bend, Extra Strength, Vitrified Clay .....	157.68	
33 42 11 00-0497 EA 10" Plain End 1/4 Bend, Extra Strength, Vitrified Clay .....	224.47	
33 42 11 00-0498 EA 12" Plain End 1/4 Bend, Extra Strength, Vitrified Clay .....	301.85	
33 42 11 00-0499 EA 15" Plain End 1/4 Bend, Extra Strength, Vitrified Clay .....	759.80	
33 42 11 00-0500 EA 18" Plain End 1/4 Bend, Extra Strength, Vitrified Clay .....	1,077.19	
33 42 11 00-0501 EA 21" Plain End 1/4 Bend, Extra Strength, Vitrified Clay .....	1,693.35	
33 42 11 00-0502 EA 24" Plain End 1/4 Bend, Extra Strength, Vitrified Clay .....	1,951.17	
33 42 11 00-0503 EA 30" Plain End 1/4 Bend, Extra Strength, Vitrified Clay .....	2,260.21	
33 42 11 00-0504 EA 36" Plain End 1/4 Bend, Extra Strength, Vitrified Clay .....	3,422.16	
<b>33 42 11 00-0505 Compression Joint 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0492)</b>		
33 42 11 00-0506 EA 4" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	85.63	
33 42 11 00-0507 EA 6" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	126.44	
33 42 11 00-0508 EA 8" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	176.09	
33 42 11 00-0509 EA 10" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	244.22	
33 42 11 00-0510 EA 12" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	314.63	
33 42 11 00-0511 EA 15" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	849.69	
33 42 11 00-0512 EA 18" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	1,244.58	
33 42 11 00-0513 EA 21" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	2,480.04	
33 42 11 00-0514 EA 24" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	2,503.94	
33 42 11 00-0515 EA 30" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	2,778.26	
33 42 11 00-0516 EA 36" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	4,162.02	
<b>33 42 11 00-0517 Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-0466)</b>		
<b>33 42 11 00-0518 Plain End Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-0517)</b>		
33 42 11 00-0519 EA 4" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	79.33	
33 42 11 00-0520 EA 6" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	107.83	
33 42 11 00-0521 EA 8" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	156.15	
33 42 11 00-0522 EA 10" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	220.99	
33 42 11 00-0523 EA 12" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	288.18	
33 42 11 00-0524 EA 15" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	752.04	
33 42 11 00-0525 EA 18" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	1,064.61	
33 42 11 00-0526 EA 21" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	1,556.54	
33 42 11 00-0527 EA 24" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	2,188.42	
33 42 11 00-0528 EA 30" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	2,287.25	
33 42 11 00-0529 EA 36" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	3,351.90	
<b>33 42 11 00-0530 Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-0517)</b>		
33 42 11 00-0531 EA 4" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	97.85	
33 42 11 00-0532 EA 6" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	142.62	
33 42 11 00-0533 EA 8" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	196.77	
33 42 11 00-0534 EA 10" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	270.10	
33 42 11 00-0535 EA 12" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	346.24	
33 42 11 00-0536 EA 15" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	916.10	
33 42 11 00-0537 EA 18" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	1,338.94	
33 42 11 00-0538 EA 21" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	2,014.62	
33 42 11 00-0539 EA 24" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	2,685.82	
33 42 11 00-0540 EA 30" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	3,090.19	
33 42 11 00-0541 EA 36" Compression Joint, Extra Strength, Vitrified Clay Wye Or Tee .....	4,457.35	
<b>33 42 11 00-0542 Vitrified Clay Couplings (33 42 11 00-0440)</b>		
<b>33 42 11 00-0543 Vitrified Clay To Cast Iron Or Plastic Pipe Couplings (33 42 11 00-0542)</b>		
Note: Stainless steel tightening band at each end (Fernco #1002)		
33 42 11 00-0544 EA 4" x 3" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	27.16	
33 42 11 00-0545 EA 4" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	26.84	
33 42 11 00-0546 EA 5" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	38.73	
33 42 11 00-0547 EA 5" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	36.16	
33 42 11 00-0548 EA 6" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	48.29	
33 42 11 00-0549 EA 6" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	50.53	
33 42 11 00-0550 EA 6" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	45.57	
33 42 11 00-0551 EA 8" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	68.70	
33 42 11 00-0552 EA 8" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	63.04	
33 42 11 00-0553 EA 10" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	91.57	
33 42 11 00-0554 EA 10" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	82.82	
33 42 11 00-0555 EA 12" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	115.10	
33 42 11 00-0556 EA 12" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	95.02	



<b>Utilities</b>	<b>33</b>	<b>33</b>
<b>Stormwater Utilities</b>	<b>33 40</b>	
<b>Stormwater Conveyance</b>	<b>33 42</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0557 EA 15" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	199.51	
33 42 11 00-0558 EA 15" x 15" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	151.65	
<b>33 42 11 00-0559 Vitrified Clay To Vitrified Clay Pipe Non-Shear Couplings (33 42 11 00-0542)</b>		
Note: Stainless steel tightening band at each end. (NDS Non-shear)		
33 42 11 00-0560 EA 4" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	41.97	
33 42 11 00-0561 EA 6" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	55.83	
33 42 11 00-0562 EA 6" x 6" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	59.01	
33 42 11 00-0563 EA 8" x 8" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	61.86	
33 42 11 00-0564 EA 10" x 10" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	76.29	
33 42 11 00-0565 EA 12" x 12" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	88.47	
<b>33 42 11 00-0566 Vitrified Clay To Plastic Pipe Non-Shear Couplings (33 42 11 00-0542)</b>		
Note: Stainless steel tightening band at each end. (NDS Non-shear)		
33 42 11 00-0567 EA 4" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling.....	43.04	
33 42 11 00-0568 EA 6" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling.....	56.89	
33 42 11 00-0569 EA 6" x 6" Vitrified Clay To Plastic Pipe Non-Shear Coupling.....	52.15	
33 42 11 00-0570 EA 8" x 8" Vitrified Clay To Plastic Pipe Non-Shear Coupling.....	68.23	
33 42 11 00-0571 EA 10" x 10" Vitrified Clay To Plastic Pipe Non-Shear Coupling.....	98.60	
33 42 11 00-0572 EA 12" x 12" Vitrified Clay To Plastic Pipe Non-Shear Coupling.....	111.38	
<b>33 42 11 00-0573 Corrugated Metal Piping (33 42 11)</b>		
<b>33 42 11 00-0574 Galvanized Corrugated Steel Piping (33 42 11 00-0573)</b>		
<b>33 42 11 00-0575 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0574)</b>		
<b>33 42 11 00-0576 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0575)</b>		
33 42 11 00-0577 LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	20.83	4.64
For Bituminous Coated Pipe, Add		
	2.71	
For Bituminous Coated And 25% Paved, Add		
	5.54	
For Smooth-Flo, Add		
	9.90	
33 42 11 00-0578 LF 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	24.08	4.86
For Bituminous Coated Pipe, Add		
	3.41	
For Bituminous Coated And 25% Paved, Add		
	6.98	
For Smooth-Flo, Add		
	12.46	
33 42 11 00-0579 LF 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	27.42	5.30
For Bituminous Coated Pipe, Add		
	4.13	
For Bituminous Coated And 25% Paved, Add		
	8.45	
For Smooth-Flo, Add		
	15.10	
33 42 11 00-0580 LF 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	31.58	5.74
For Bituminous Coated Pipe, Add		
	4.94	
For Bituminous Coated And 25% Paved, Add		
	10.11	
For Smooth-Flo, Add		
	18.06	
33 42 11 00-0581 LF 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	35.10	6.18
For Bituminous Coated Pipe, Add		
	5.56	
For Bituminous Coated And 25% Paved, Add		
	11.38	
For Smooth-Flo, Add		
	20.32	
33 42 11 00-0582 LF 30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	46.13	7.94
For Bituminous Coated Pipe, Add		
	7.22	
For Bituminous Coated And 25% Paved, Add		
	14.77	
For Smooth-Flo, Add		
	26.37	
33 42 11 00-0583 LF 36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	59.56	10.34
For Bituminous Coated Pipe, Add		
	9.10	
For Bituminous Coated And 25% Paved, Add		
	18.62	
For Smooth-Flo, Add		
	33.26	
33 42 11 00-0584 LF 42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	68.45	12.22
For Bituminous Coated Pipe, Add		
	10.77	
For Bituminous Coated And 25% Paved, Add		
	22.04	
For Smooth-Flo, Add		
	39.36	
33 42 11 00-0585 LF 48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	76.86	14.11
For Bituminous Coated Pipe, Add		
	12.07	
For Bituminous Coated And 25% Paved, Add		
	24.68	
For Smooth-Flo, Add		
	44.08	
<b>33 42 11 00-0586 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0575)</b>		
33 42 11 00-0587 LF 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	23.25	4.64
For Bituminous Coated Pipe, Add		
	2.75	
For Bituminous Coated And 25% Paved, Add		
	6.37	
For Smooth-Flo, Add		
	12.88	
33 42 11 00-0588 LF 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	27.06	4.86
For Bituminous Coated Pipe, Add		
	3.45	
For Bituminous Coated And 25% Paved, Add		
	7.99	
For Smooth-Flo, Add		
	16.16	
33 42 11 00-0589 LF 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	31.02	5.30
For Bituminous Coated Pipe, Add		
	4.18	
For Bituminous Coated And 25% Paved, Add		
	9.68	
For Smooth-Flo, Add		
	19.56	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0590	LF	21"	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	35.74 4.97 11.51 23.26	5.74
33 42 11 00-0591	LF	24"	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	39.94 5.62 13.02 26.33	6.18
33 42 11 00-0592	LF	30"	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	52.04 7.22 16.73 33.81	7.94
33 42 11 00-0593	LF	36"	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	66.74 9.05 20.97 42.38	10.34
33 42 11 00-0594	LF	42"	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	76.66 10.65 24.68 49.88	12.22
33 42 11 00-0595	LF	48"	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	86.26 11.97 27.73 56.06	14.11
33 42 11 00-0596	LF	54"	14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	103.85 14.72 34.11 68.94	15.98
<b>33 42 11 00-0597</b>			<b>12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping<sup>(33)</sup></b>		
33 42 11 00-0598	LF	18"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	38.48 4.78 8.64 16.60	5.30
33 42 11 00-0599	LF	21"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	44.41 5.65 10.21 19.62	5.74
33 42 11 00-0600	LF	24"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	49.82 6.41 11.58 22.25	5.74
33 42 11 00-0601	LF	30"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	64.25 8.15 14.72 28.29	7.94
33 42 11 00-0602	LF	36"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	81.23 10.08 18.20 34.98	10.34
33 42 11 00-0603	LF	42"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	93.41 11.81 21.33 40.99	12.22
33 42 11 00-0604	LF	48"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	105.45 13.34 24.08 46.29	14.11
33 42 11 00-0605	LF	54"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	125.04 15.99 28.88 55.50	15.98
33 42 11 00-0606	LF	60"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	136.77 17.51 31.63 60.78	16.92
33 42 11 00-0607	LF	66"	12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	165.92 21.32 38.50 74.00	20.69
<b>33 42 11 00-0608</b>			<b>10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping<sup>(33)</sup></b>		
33 42 11 00-0609	LF	36"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	94.79 12.82 21.42 30.56	10.34
33 42 11 00-0610	LF	42"	10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	109.28 15.02 25.09 35.80	12.22



	<b>Utilities</b>	<b>33</b>	
	<b>Stormwater Utilities</b>	<b>33 40</b>	<b>33</b>
	<b>Stormwater Conveyance</b>	<b>33 42</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0611	LF		48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	123.46 16.98 28.36 40.46	14.11
33 42 11 00-0612	LF		54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	145.22 20.11 33.59 47.93	15.98
33 42 11 00-0613	LF		60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	159.23 22.08 36.89 52.64	16.92
33 42 11 00-0614	LF		66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	190.60 26.42 44.13 62.97	20.69
33 42 11 00-0615	LF		72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	220.99 28.36 47.38 67.61	30.08
33 42 11 00-0616			<b>3" x 1" Corrugation, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0574)</small>		
33 42 11 00-0617			<b>16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0616)</small>		
33 42 11 00-0618	LF		36" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	72.00 10.01 22.73 45.25	10.34
33 42 11 00-0619	LF		42" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	82.71 11.76 26.69 53.14	12.22
33 42 11 00-0620	LF		48" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	92.93 13.19 29.93 59.60	14.11
33 42 11 00-0621	LF		54" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	111.51 16.11 36.57 72.81	15.98
33 42 11 00-0622	LF		60" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	121.49 17.55 39.83 79.32	16.92
33 42 11 00-0623	LF		66" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	153.20 22.54 51.17 101.88	20.69
33 42 11 00-0624	LF		72" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	179.96 24.03 54.54 108.60	30.08
33 42 11 00-0625	LF		78" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	193.40 25.52 57.93 115.34	32.91
33 42 11 00-0626	LF		84" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	205.56 27.01 61.31 122.08	35.25
33 42 11 00-0627	LF		90" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	217.75 28.51 64.71 128.85	37.61
33 42 11 00-0628	LF		96" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	230.22 29.99 68.08 135.56	39.96
33 42 11 00-0629	LF		102" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	244.07 31.49 71.49 142.35	42.31
33 42 11 00-0630			<b>14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0616)</small>		
33 42 11 00-0631	LF		54" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	124.20 18.65 36.55 73.84	15.98
33 42 11 00-0632	LF		60" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	135.53 20.36 39.90 80.61	16.92

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0633 LF 66" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	168.65	20.69
For Bituminous Coated Pipe, Add	25.63	
For Bituminous Coated And 25% Paved, Add	50.23	
For Smooth-Flo, Add	101.49	
33 42 11 00-0634 LF 72" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	196.79	30.08
For Bituminous Coated Pipe, Add	27.39	
For Bituminous Coated And 25% Paved, Add	53.69	
For Smooth-Flo, Add	108.47	
33 42 11 00-0635 LF 78" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	211.58	32.91
For Bituminous Coated Pipe, Add	29.15	
For Bituminous Coated And 25% Paved, Add	57.14	
For Smooth-Flo, Add	115.45	
33 42 11 00-0636 LF 84" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	225.18	35.25
For Bituminous Coated Pipe, Add	30.93	
For Bituminous Coated And 25% Paved, Add	60.63	
For Smooth-Flo, Add	122.49	
33 42 11 00-0637 LF 90" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	238.69	37.61
For Bituminous Coated Pipe, Add	32.69	
For Bituminous Coated And 25% Paved, Add	64.08	
For Smooth-Flo, Add	129.47	
33 42 11 00-0638 LF 96" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	252.53	39.96
For Bituminous Coated Pipe, Add	34.45	
For Bituminous Coated And 25% Paved, Add	67.53	
For Smooth-Flo, Add	136.44	
33 42 11 00-0639 LF 102" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	267.74	42.31
For Bituminous Coated Pipe, Add	36.23	
For Bituminous Coated And 25% Paved, Add	71.01	
For Smooth-Flo, Add	143.46	
33 42 11 00-0640 LF 108" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	284.02	47.01
For Bituminous Coated Pipe, Add	38.00	
For Bituminous Coated And 25% Paved, Add	74.48	
For Smooth-Flo, Add	150.48	
33 42 11 00-0641 LF 114" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	299.95	51.71
For Bituminous Coated Pipe, Add	39.74	
For Bituminous Coated And 25% Paved, Add	77.89	
For Smooth-Flo, Add	157.37	
<b>33 42 11 00-0642 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-</b>		
<b>0616)</b>		
33 42 11 00-0643 LF 60" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	166.68	16.92
For Bituminous Coated Pipe, Add	26.59	
For Bituminous Coated And 25% Paved, Add	50.65	
For Smooth-Flo, Add	82.55	
33 42 11 00-0644 LF 66" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	203.15	20.69
For Bituminous Coated Pipe, Add	32.53	
For Bituminous Coated And 25% Paved, Add	61.97	
For Smooth-Flo, Add	101.01	
33 42 11 00-0645 LF 72" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	234.30	30.08
For Bituminous Coated Pipe, Add	34.89	
For Bituminous Coated And 25% Paved, Add	66.47	
For Smooth-Flo, Add	108.35	
33 42 11 00-0646 LF 78" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	252.12	32.91
For Bituminous Coated Pipe, Add	37.26	
For Bituminous Coated And 25% Paved, Add	70.98	
For Smooth-Flo, Add	115.70	
33 42 11 00-0647 LF 84" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	268.74	35.25
For Bituminous Coated Pipe, Add	39.64	
For Bituminous Coated And 25% Paved, Add	75.52	
For Smooth-Flo, Add	123.09	
33 42 11 00-0648 LF 90" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	285.29	37.61
For Bituminous Coated Pipe, Add	42.01	
For Bituminous Coated And 25% Paved, Add	80.04	
For Smooth-Flo, Add	130.45	
33 42 11 00-0649 LF 96" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	302.20	39.96
For Bituminous Coated Pipe, Add	44.39	
For Bituminous Coated And 25% Paved, Add	84.56	
For Smooth-Flo, Add	137.82	
33 42 11 00-0650 LF 102" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	320.44	42.31
For Bituminous Coated Pipe, Add	46.77	
For Bituminous Coated And 25% Paved, Add	89.09	
For Smooth-Flo, Add	145.21	
33 42 11 00-0651 LF 108" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	339.71	47.01
For Bituminous Coated Pipe, Add	49.14	
For Bituminous Coated And 25% Paved, Add	93.61	
For Smooth-Flo, Add	152.57	
33 42 11 00-0652 LF 114" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	358.70	51.71
For Bituminous Coated Pipe, Add	51.49	
For Bituminous Coated And 25% Paved, Add	98.09	
For Smooth-Flo, Add	159.88	
33 42 11 00-0653 LF 120" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	377.25	56.41
For Bituminous Coated Pipe, Add	53.87	
For Bituminous Coated And 25% Paved, Add	102.63	
For Smooth-Flo, Add	167.27	



	<b>Utilities</b>	<b>33</b>
	<b>Stormwater Utilities</b>	<b>33 40</b>
	<b>Stormwater Conveyance</b>	<b>33 42</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 42 11 00-0654</b> 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping <sup>(33 42 11 00-0616)</sup>		
33 42 11 00-0655 LF 72" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	269.28	30.08
For Bituminous Coated Pipe, Add	41.89	
For Bituminous Coated And 25% Paved, Add	79.59	
For Smooth-Flo, Add	106.40	
33 42 11 00-0656 LF 78" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	289.97	32.91
For Bituminous Coated Pipe, Add	44.83	
For Bituminous Coated And 25% Paved, Add	85.18	
For Smooth-Flo, Add	113.87	
33 42 11 00-0657 LF 84" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	309.46	35.25
For Bituminous Coated Pipe, Add	47.79	
For Bituminous Coated And 25% Paved, Add	90.80	
For Smooth-Flo, Add	121.38	
33 42 11 00-0658 LF 90" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	328.87	37.61
For Bituminous Coated Pipe, Add	50.73	
For Bituminous Coated And 25% Paved, Add	96.39	
For Smooth-Flo, Add	128.85	
33 42 11 00-0659 LF 96" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	348.66	39.96
For Bituminous Coated Pipe, Add	53.68	
For Bituminous Coated And 25% Paved, Add	101.99	
For Smooth-Flo, Add	136.35	
33 42 11 00-0660 LF 102" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	369.77	42.31
For Bituminous Coated Pipe, Add	56.63	
For Bituminous Coated And 25% Paved, Add	107.60	
For Smooth-Flo, Add	143.85	
33 42 11 00-0661 LF 108" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	391.91	47.01
For Bituminous Coated Pipe, Add	59.58	
For Bituminous Coated And 25% Paved, Add	113.20	
For Smooth-Flo, Add	151.33	
33 42 11 00-0662 LF 114" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	413.74	51.71
For Bituminous Coated Pipe, Add	62.50	
For Bituminous Coated And 25% Paved, Add	118.75	
For Smooth-Flo, Add	158.74	
33 42 11 00-0663 LF 120" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	435.19	56.41
For Bituminous Coated Pipe, Add	65.46	
For Bituminous Coated And 25% Paved, Add	124.37	
For Smooth-Flo, Add	166.27	
33 42 11 00-0664 LF 126" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	457.42	61.11
For Bituminous Coated Pipe, Add	68.39	
For Bituminous Coated And 25% Paved, Add	129.94	
For Smooth-Flo, Add	173.72	
33 42 11 00-0665 LF 132" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	480.91	65.81
For Bituminous Coated Pipe, Add	71.35	
For Bituminous Coated And 25% Paved, Add	135.56	
For Smooth-Flo, Add	181.22	
33 42 11 00-0666 LF 138" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	505.84	70.52
For Bituminous Coated Pipe, Add	74.31	
For Bituminous Coated And 25% Paved, Add	141.18	
For Smooth-Flo, Add	188.74	
<b>33 42 11 00-0667</b> 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping <sup>(33 42 11 00-0574)</sup>		
<b>33 42 11 00-0668</b> 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping <sup>(33 42 11 00-0667)</sup>		
33 42 11 00-0669 LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	93.30	14.11
For Bituminous Coated Pipe, Add	16.58	
For Bituminous Coated And 25% Paved, Add	37.79	
For Smooth-Flo, Add	60.00	
33 42 11 00-0670 LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	112.21	15.98
For Bituminous Coated Pipe, Add	20.31	
For Bituminous Coated And 25% Paved, Add	46.31	
For Smooth-Flo, Add	73.52	
33 42 11 00-0671 LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	122.11	16.92
For Bituminous Coated Pipe, Add	22.09	
For Bituminous Coated And 25% Paved, Add	50.37	
For Smooth-Flo, Add	79.97	
33 42 11 00-0672 LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	151.74	20.69
For Bituminous Coated Pipe, Add	27.81	
For Bituminous Coated And 25% Paved, Add	63.41	
For Smooth-Flo, Add	100.67	
33 42 11 00-0673 LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	178.33	30.08
For Bituminous Coated Pipe, Add	29.63	
For Bituminous Coated And 25% Paved, Add	67.55	
For Smooth-Flo, Add	107.24	
33 42 11 00-0674 LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	191.54	32.91
For Bituminous Coated Pipe, Add	31.43	
For Bituminous Coated And 25% Paved, Add	71.67	
For Smooth-Flo, Add	113.79	
33 42 11 00-0675 LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	203.45	35.25
For Bituminous Coated Pipe, Add	33.23	
For Bituminous Coated And 25% Paved, Add	75.77	
For Smooth-Flo, Add	120.30	



**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0676 LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	215.33	37.61
For Bituminous Coated Pipe, Add	35.03	
For Bituminous Coated And 25% Paved, Add	79.86	
For Smooth-Flo, Add	126.80	
33 42 11 00-0677 LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	227.66	39.96
For Bituminous Coated Pipe, Add	36.85	
For Bituminous Coated And 25% Paved, Add	84.02	
For Smooth-Flo, Add	133.40	
33 42 11 00-0678 LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	241.45	42.31
For Bituminous Coated Pipe, Add	38.71	
For Bituminous Coated And 25% Paved, Add	88.26	
For Smooth-Flo, Add	140.14	
<b>33 42 11 00-0679 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0667)</small>		
33 42 11 00-0680 LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	128.08	15.98
For Bituminous Coated Pipe, Add	19.42	
For Bituminous Coated And 25% Paved, Add	45.64	
For Smooth-Flo, Add	82.64	
33 42 11 00-0681 LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	139.75	16.92
For Bituminous Coated Pipe, Add	21.20	
For Bituminous Coated And 25% Paved, Add	49.82	
For Smooth-Flo, Add	90.21	
33 42 11 00-0682 LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	170.99	20.69
For Bituminous Coated Pipe, Add	26.10	
For Bituminous Coated And 25% Paved, Add	61.33	
For Smooth-Flo, Add	111.05	
33 42 11 00-0683 LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	199.12	30.08
For Bituminous Coated Pipe, Add	27.86	
For Bituminous Coated And 25% Paved, Add	65.47	
For Smooth-Flo, Add	118.54	
33 42 11 00-0684 LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	214.22	32.91
For Bituminous Coated Pipe, Add	29.68	
For Bituminous Coated And 25% Paved, Add	69.75	
For Smooth-Flo, Add	126.30	
33 42 11 00-0685 LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	227.91	35.25
For Bituminous Coated Pipe, Add	31.48	
For Bituminous Coated And 25% Paved, Add	73.97	
For Smooth-Flo, Add	133.94	
33 42 11 00-0686 LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	240.66	37.61
For Bituminous Coated Pipe, Add	33.09	
For Bituminous Coated And 25% Paved, Add	77.76	
For Smooth-Flo, Add	140.79	
33 42 11 00-0687 LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	255.54	39.96
For Bituminous Coated Pipe, Add	35.06	
For Bituminous Coated And 25% Paved, Add	82.38	
For Smooth-Flo, Add	149.16	
33 42 11 00-0688 LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	270.83	42.31
For Bituminous Coated Pipe, Add	36.85	
For Bituminous Coated And 25% Paved, Add	86.59	
For Smooth-Flo, Add	156.78	
33 42 11 00-0689 LF 108" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	287.12	47.01
For Bituminous Coated Pipe, Add	38.62	
For Bituminous Coated And 25% Paved, Add	90.76	
For Smooth-Flo, Add	164.33	
33 42 11 00-0690 LF 114" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	303.44	51.71
For Bituminous Coated Pipe, Add	40.44	
For Bituminous Coated And 25% Paved, Add	95.03	
For Smooth-Flo, Add	172.06	
<b>33 42 11 00-0691 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0667)</small>		
33 42 11 00-0692 LF 60" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	172.79	16.92
For Bituminous Coated Pipe, Add	27.81	
For Bituminous Coated And 25% Paved, Add	52.84	
For Smooth-Flo, Add	95.38	
33 42 11 00-0693 LF 66" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	207.37	20.69
For Bituminous Coated Pipe, Add	33.37	
For Bituminous Coated And 25% Paved, Add	63.41	
For Smooth-Flo, Add	114.47	
33 42 11 00-0694 LF 72" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	238.97	30.08
For Bituminous Coated Pipe, Add	35.83	
For Bituminous Coated And 25% Paved, Add	68.07	
For Smooth-Flo, Add	122.89	
33 42 11 00-0695 LF 78" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	257.13	32.91
For Bituminous Coated Pipe, Add	38.26	
For Bituminous Coated And 25% Paved, Add	72.70	
For Smooth-Flo, Add	131.25	
33 42 11 00-0696 LF 84" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	273.92	35.25
For Bituminous Coated Pipe, Add	40.68	
For Bituminous Coated And 25% Paved, Add	77.29	
For Smooth-Flo, Add	139.53	



	<b>Utilities</b>	<b>33</b>
	<b>Stormwater Utilities</b>	<b>33 40</b>
	<b>Stormwater Conveyance</b>	<b>33 42</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0697 LF 90" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	290.86	37.61
For Bituminous Coated Pipe, Add	43.13	
For Bituminous Coated And 25% Paved, Add	81.94	
For Smooth-Flo, Add	147.93	
33 42 11 00-0698 LF 96" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	308.05	39.96
For Bituminous Coated Pipe, Add	45.56	
For Bituminous Coated And 25% Paved, Add	86.56	
For Smooth-Flo, Add	156.26	
33 42 11 00-0699 LF 102" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	326.52	42.31
For Bituminous Coated Pipe, Add	47.98	
For Bituminous Coated And 25% Paved, Add	91.17	
For Smooth-Flo, Add	164.59	
33 42 11 00-0700 LF 108" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	346.18	47.01
For Bituminous Coated Pipe, Add	50.43	
For Bituminous Coated And 25% Paved, Add	95.82	
For Smooth-Flo, Add	172.98	
33 42 11 00-0701 LF 114" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	365.57	51.71
For Bituminous Coated Pipe, Add	52.86	
For Bituminous Coated And 25% Paved, Add	100.44	
For Smooth-Flo, Add	181.32	
33 42 11 00-0702 LF 120" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	384.37	56.41
For Bituminous Coated Pipe, Add	55.30	
For Bituminous Coated And 25% Paved, Add	105.06	
For Smooth-Flo, Add	189.67	
<b>33 42 11 00-0703 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel</b>		
<b>Piping</b> <small>(33 42 11 00-0667)</small>		
33 42 11 00-0704 LF 72" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	277.13	30.08
For Bituminous Coated Pipe, Add	43.46	
For Bituminous Coated And 25% Paved, Add	82.57	
For Smooth-Flo, Add	129.73	
33 42 11 00-0705 LF 78" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	298.84	32.91
For Bituminous Coated Pipe, Add	46.61	
For Bituminous Coated And 25% Paved, Add	88.55	
For Smooth-Flo, Add	139.12	
33 42 11 00-0706 LF 84" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	318.94	35.25
For Bituminous Coated Pipe, Add	49.68	
For Bituminous Coated And 25% Paved, Add	94.40	
For Smooth-Flo, Add	148.31	
33 42 11 00-0707 LF 90" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	338.89	37.61
For Bituminous Coated Pipe, Add	52.73	
For Bituminous Coated And 25% Paved, Add	100.19	
For Smooth-Flo, Add	157.41	
33 42 11 00-0708 LF 96" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	359.35	39.96
For Bituminous Coated Pipe, Add	55.82	
For Bituminous Coated And 25% Paved, Add	106.05	
For Smooth-Flo, Add	166.62	
33 42 11 00-0709 LF 102" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	380.97	42.31
For Bituminous Coated Pipe, Add	58.87	
For Bituminous Coated And 25% Paved, Add	111.86	
For Smooth-Flo, Add	175.74	
33 42 11 00-0710 LF 108" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	403.79	47.01
For Bituminous Coated Pipe, Add	61.95	
For Bituminous Coated And 25% Paved, Add	117.71	
For Smooth-Flo, Add	184.93	
33 42 11 00-0711 LF 114" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	426.38	51.71
For Bituminous Coated Pipe, Add	65.03	
For Bituminous Coated And 25% Paved, Add	123.55	
For Smooth-Flo, Add	194.10	
33 42 11 00-0712 LF 120" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	448.30	56.41
For Bituminous Coated Pipe, Add	68.08	
For Bituminous Coated And 25% Paved, Add	129.36	
For Smooth-Flo, Add	203.22	
33 42 11 00-0713 LF 126" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	476.05	61.11
For Bituminous Coated Pipe, Add	72.12	
For Bituminous Coated And 25% Paved, Add	137.02	
For Smooth-Flo, Add	215.27	
33 42 11 00-0714 LF 132" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	501.40	65.81
For Bituminous Coated Pipe, Add	75.44	
For Bituminous Coated And 25% Paved, Add	143.34	
For Smooth-Flo, Add	225.20	
33 42 11 00-0715 LF 138" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	528.80	70.52
For Bituminous Coated Pipe, Add	78.90	
For Bituminous Coated And 25% Paved, Add	149.91	
For Smooth-Flo, Add	235.51	
<b>33 42 11 00-0716 Helical Ribbed, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0574)</small>		
<b>33 42 11 00-0717 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0716)</small>		
33 42 11 00-0718 LF 18" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	32.26	5.30
For Bituminous Coated Pipe, Add	5.11	
33 42 11 00-0719 LF 21" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	37.26	5.74
For Bituminous Coated Pipe, Add	6.08	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0720 LF 24" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	41.77	6.18
For Bituminous Coated Pipe, Add	6.91	
33 42 11 00-0721 LF 30" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	54.51	7.94
For Bituminous Coated Pipe, Add	8.90	
33 42 11 00-0722 LF 36" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	69.83	10.34
For Bituminous Coated Pipe, Add	11.16	
33 42 11 00-0723 LF 42" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	80.41	12.22
For Bituminous Coated Pipe, Add	13.16	
33 42 11 00-0724 LF 48" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	90.57	14.11
For Bituminous Coated Pipe, Add	14.81	
33 42 11 00-0725 LF 54" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	108.83	15.98
For Bituminous Coated Pipe, Add	18.14	
33 42 11 00-0726 LF 60" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	118.76	16.92
For Bituminous Coated Pipe, Add	19.81	
<b>33 42 11 00-0727 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0716)</b>		
33 42 11 00-0728 LF 18" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	35.92	5.30
For Bituminous Coated Pipe, Add	5.91	
33 42 11 00-0729 LF 21" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	41.54	5.74
For Bituminous Coated Pipe, Add	7.02	
33 42 11 00-0730 LF 24" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	46.64	6.18
For Bituminous Coated Pipe, Add	7.98	
33 42 11 00-0731 LF 30" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	60.56	7.94
For Bituminous Coated Pipe, Add	10.22	
33 42 11 00-0732 LF 36" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	77.12	10.34
For Bituminous Coated Pipe, Add	12.75	
33 42 11 00-0733 LF 42" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	88.93	12.22
For Bituminous Coated Pipe, Add	15.02	
33 42 11 00-0734 LF 48" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	100.30	14.11
For Bituminous Coated Pipe, Add	16.93	
33 42 11 00-0735 LF 54" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	119.78	15.98
For Bituminous Coated Pipe, Add	20.52	
33 42 11 00-0736 LF 60" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	130.95	16.92
For Bituminous Coated Pipe, Add	22.45	
33 42 11 00-0737 LF 66" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	161.25	20.69
For Bituminous Coated Pipe, Add	27.89	
33 42 11 00-0738 LF 72" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	188.85	30.08
For Bituminous Coated Pipe, Add	29.80	
33 42 11 00-0739 LF 78" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	203.25	32.91
For Bituminous Coated Pipe, Add	31.75	
<b>33 42 11 00-0740 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0716)</b>		
33 42 11 00-0741 LF 30" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	72.83	7.94
For Bituminous Coated Pipe, Add	10.68	
33 42 11 00-0742 LF 36" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	91.78	10.34
For Bituminous Coated Pipe, Add	13.20	
33 42 11 00-0743 LF 42" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	106.10	12.22
For Bituminous Coated Pipe, Add	15.53	
33 42 11 00-0744 LF 48" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	119.89	14.11
For Bituminous Coated Pipe, Add	17.56	
33 42 11 00-0745 LF 54" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	141.84	15.98
For Bituminous Coated Pipe, Add	20.95	
33 42 11 00-0746 LF 60" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	155.48	16.92
For Bituminous Coated Pipe, Add	23.01	
33 42 11 00-0747 LF 66" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	188.18	20.69
For Bituminous Coated Pipe, Add	27.91	
33 42 11 00-0748 LF 72" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	218.20	30.08
For Bituminous Coated Pipe, Add	29.93	
33 42 11 00-0749 LF 78" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	235.02	32.91
For Bituminous Coated Pipe, Add	31.98	
33 42 11 00-0750 LF 84" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	250.50	35.25
For Bituminous Coated Pipe, Add	34.02	
33 42 11 00-0751 LF 90" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	265.95	37.61
For Bituminous Coated Pipe, Add	36.05	
33 42 11 00-0752 LF 96" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	281.74	39.96
For Bituminous Coated Pipe, Add	38.08	
33 42 11 00-0753 LF 102" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	297.65	42.31
For Bituminous Coated Pipe, Add	39.89	
<b>33 42 11 00-0754 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0574)</b>		
<b>33 42 11 00-0755 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0754)</b>		
33 42 11 00-0756 LF 6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	10.63	2.65
For Bituminous Coated Pipe, Add	1.31	
33 42 11 00-0757 LF 6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	11.72	2.65
For Bituminous Coated Pipe, Add	1.57	
33 42 11 00-0758 LF 8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	13.48	3.31
For Bituminous Coated Pipe, Add	1.73	
33 42 11 00-0759 LF 8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe.....	14.86	3.31
For Bituminous Coated Pipe, Add	2.07	



	<b>Utilities</b>	<b>33</b>
	<b>Stormwater Utilities</b>	<b>33 40</b>
	<b>Stormwater Conveyance</b>	<b>33 42</b>

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0760	LF		10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	17.01 2.17	3.98
33 42 11 00-0761	LF		10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	18.76 2.60	3.98
<b>33 42 11 00-0762</b>			<b>Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping<sup>(33)</sup></b>		
33 42 11 00-0763	LF		6" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	10.78 1.29	2.65
33 42 11 00-0764	LF		6" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	11.83 1.53	2.65
33 42 11 00-0765	LF		8" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	13.63 1.69	3.31
33 42 11 00-0766	LF		8" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	15.10 2.04	3.31
33 42 11 00-0767	LF		10" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	17.27 2.14	3.98
33 42 11 00-0768	LF		10" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	19.07 2.57	3.98
<b>33 42 11 00-0769</b>			<b>1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe Fittings<sup>(33 42 11 00-0754)</sup></b>		
33 42 11 00-0770	EA		6" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	8.06 1.81	
33 42 11 00-0771	EA		8" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	10.67 2.40	
33 42 11 00-0772	EA		10" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	13.09 2.95	
33 42 11 00-0773	EA		6" 18 Gauge, Band Elbows For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	29.07 4.01	
33 42 11 00-0774	EA		6" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	5.11 0.92	
33 42 11 00-0775	EA		8" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	6.70 1.37	
<b>33 42 11 00-0776</b>			<b>2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping<sup>(33 42 11 00-0574)</sup></b>		
<b>33 42 11 00-0777</b>			<b>16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping<sup>(33 42 11 00-0776)</sup></b>		
33 42 11 00-0778	LF		12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	36.83	4.64
33 42 11 00-0779	LF		15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	44.25	4.86
33 42 11 00-0780	LF		18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	51.87	5.30
33 42 11 00-0781	LF		21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	60.80	5.74
33 42 11 00-0782	LF		24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	68.03	6.18
33 42 11 00-0783	LF		30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	88.78	7.94
33 42 11 00-0784	LF		36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	113.43	10.34
33 42 11 00-0785	LF		42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	132.16	12.22
33 42 11 00-0786	LF		48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	148.25	14.11
<b>33 42 11 00-0787</b>			<b>14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping<sup>(33 42 11 00-0776)</sup></b>		
33 42 11 00-0788	LF		12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	42.72	4.64
33 42 11 00-0789	LF		15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	51.54	4.86
33 42 11 00-0790	LF		18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	60.61	5.30
33 42 11 00-0791	LF		21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	70.92	5.74
33 42 11 00-0792	LF		24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	79.78	6.18
33 42 11 00-0793	LF		30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	103.21	7.94
33 42 11 00-0794	LF		36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	130.84	10.34
33 42 11 00-0795	LF		42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	152.14	12.22
33 42 11 00-0796	LF		48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	171.05	14.11
33 42 11 00-0797	LF		54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	208.15	15.98
<b>33 42 11 00-0798</b>			<b>12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping<sup>(33 42 11 00-0776)</sup></b>		
33 42 11 00-0799	LF		18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	78.82	5.30
33 42 11 00-0800	LF		21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	92.18	5.74
33 42 11 00-0801	LF		24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	103.95	6.18
33 42 11 00-0802	LF		30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	133.41	7.94
33 42 11 00-0803	LF		36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	159.68	10.34
33 42 11 00-0804	LF		42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	194.39	12.22
33 42 11 00-0805	LF		48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	219.26	14.11
33 42 11 00-0806	LF		54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	263.16	15.98
33 42 11 00-0807	LF		60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	287.62	16.92
33 42 11 00-0808	LF		66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	352.76	20.69
<b>33 42 11 00-0809</b>			<b>10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping<sup>(33 42 11 00-0776)</sup></b>		
33 42 11 00-0810	LF		36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	200.18	10.34

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0811 LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	232.87	12.22
33 42 11 00-0812 LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	262.98	14.11
33 42 11 00-0813 LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	312.13	15.98
33 42 11 00-0814 LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	342.13	16.92
33 42 11 00-0815 LF 66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	412.63	20.69
33 42 11 00-0816 LF 72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	458.80	30.08
<b>33 42 11 00-0817 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0574)</b>		
<b>33 42 11 00-0818 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0817)</b>		
33 42 11 00-0819 LF 36" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	146.86	10.34
33 42 11 00-0820 LF 42" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	170.71	12.22
33 42 11 00-0821 LF 48" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	191.47	14.11
33 42 11 00-0822 LF 54" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	232.73	15.98
33 42 11 00-0823 LF 60" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	253.39	16.92
33 42 11 00-0824 LF 66" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	324.10	20.69
33 42 11 00-0825 LF 72" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	361.89	30.08
33 42 11 00-0826 LF 78" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	386.32	32.91
33 42 11 00-0827 LF 84" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	409.55	35.25
33 42 11 00-0828 LF 90" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	432.79	37.61
33 42 11 00-0829 LF 96" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	456.28	39.96
33 42 11 00-0830 LF 102" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	481.23	42.31
<b>33 42 11 00-0831 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0817)</b>		
33 42 11 00-0832 LF 54" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	264.21	15.98
33 42 11 00-0833 LF 60" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	288.19	16.92
33 42 11 00-0834 LF 66" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	362.43	20.69
33 42 11 00-0835 LF 72" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	403.58	30.08
33 42 11 00-0836 LF 78" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	431.42	32.91
33 42 11 00-0837 LF 84" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	458.17	35.25
33 42 11 00-0838 LF 90" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	484.72	37.61
33 42 11 00-0839 LF 96" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	511.59	39.96
33 42 11 00-0840 LF 102" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	539.97	42.31
33 42 11 00-0841 LF 108" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	569.35	47.01
33 42 11 00-0842 LF 114" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	598.13	51.71
<b>33 42 11 00-0843 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0817)</b>		
33 42 11 00-0844 LF 60" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	367.36	16.92
33 42 11 00-0845 LF 66" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	450.50	20.69
33 42 11 00-0846 LF 72" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	499.29	30.08
33 42 11 00-0847 LF 78" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	534.80	32.91
33 42 11 00-0848 LF 84" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	569.19	35.25
33 42 11 00-0849 LF 90" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	603.42	37.61
33 42 11 00-0850 LF 96" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	638.03	39.96
33 42 11 00-0851 LF 102" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	674.04	42.31
33 42 11 00-0852 LF 108" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	710.99	47.01
33 42 11 00-0853 LF 114" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	747.56	51.71
33 42 11 00-0854 LF 120" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	783.88	56.41
<b>33 42 11 00-0855 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0817)</b>		
33 42 11 00-0856 LF 72" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	586.50	30.08
33 42 11 00-0857 LF 78" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	629.11	32.91
33 42 11 00-0858 LF 84" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	670.67	35.25
33 42 11 00-0859 LF 90" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	712.03	37.61
33 42 11 00-0860 LF 96" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	753.82	39.96
33 42 11 00-0861 LF 102" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	796.98	42.31
33 42 11 00-0862 LF 108" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	841.10	47.01
33 42 11 00-0863 LF 114" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	884.79	51.71
33 42 11 00-0864 LF 120" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	928.26	56.41
33 42 11 00-0865 LF 126" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	972.40	61.11
33 42 11 00-0866 LF 132" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,017.95	65.81
33 42 11 00-0867 LF 138" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,064.94	70.52
<b>33 42 11 00-0868 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0574)</b>		
<b>33 42 11 00-0869 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0868)</b>		
33 42 11 00-0870 LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	184.68	14.11
33 42 11 00-0871 LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	225.26	15.98
33 42 11 00-0872 LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	244.83	16.92
33 42 11 00-0873 LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	308.20	20.69
33 42 11 00-0874 LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	344.68	30.08
33 42 11 00-0875 LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	367.76	32.91
33 42 11 00-0876 LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	389.45	35.25
33 42 11 00-0877 LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	411.07	37.61



	<b>Utilities</b>	<b>33</b>
	<b>Stormwater Utilities</b>	<b>33 40</b>
	<b>Stormwater Conveyance</b>	<b>33 42</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0878 LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	433.28	39.96
33 42 11 00-0879 LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	457.28	42.31
<b>33 42 11 00-0880 14 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0880)</b>		
33 42 11 00-0881 LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	262.65	15.98
33 42 11 00-0882 LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	286.48	16.92
33 42 11 00-0883 LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	353.62	20.69
33 42 11 00-0884 LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	393.77	30.08
33 42 11 00-0885 LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	421.27	32.91
33 42 11 00-0886 LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	447.13	35.25
33 42 11 00-0887 LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	470.84	37.61
33 42 11 00-0888 LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	499.11	39.96
33 42 11 00-0889 LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	526.60	42.31
33 42 11 00-0890 LF 108" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	554.92	47.01
33 42 11 00-0891 LF 114" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	583.60	51.71
<b>33 42 11 00-0892 12 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0892)</b>		
33 42 11 00-0893 LF 60" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	369.95	16.92
33 42 11 00-0894 LF 66" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	445.97	20.69
33 42 11 00-0895 LF 72" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	494.84	30.08
33 42 11 00-0896 LF 78" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	530.02	32.91
33 42 11 00-0897 LF 84" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	563.71	35.25
33 42 11 00-0898 LF 90" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	597.83	37.61
33 42 11 00-0899 LF 96" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	632.08	39.96
33 42 11 00-0900 LF 102" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	667.50	42.31
33 42 11 00-0901 LF 108" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	704.34	47.01
33 42 11 00-0902 LF 114" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	740.77	51.71
33 42 11 00-0903 LF 120" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	776.59	56.41
<b>33 42 11 00-0904 10 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0904)</b>		
33 42 11 00-0905 LF 72" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	586.46	30.08
33 42 11 00-0906 LF 78" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	630.16	32.91
33 42 11 00-0907 LF 84" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	671.87	35.25
33 42 11 00-0908 LF 90" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	713.21	37.61
33 42 11 00-0909 LF 96" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	755.21	39.96
33 42 11 00-0910 LF 102" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	798.30	42.31
33 42 11 00-0911 LF 108" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	842.63	47.01
33 42 11 00-0912 LF 114" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	886.75	51.71
33 42 11 00-0913 LF 120" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	930.12	56.41
33 42 11 00-0914 LF 126" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	986.12	61.11
33 42 11 00-0915 LF 132" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,034.80	65.81
33 42 11 00-0916 LF 138" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,086.40	70.52
<b>33 42 11 00-0917 Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0917)</b>		
<b>33 42 11 00-0918 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0918)</b>		
<b>33 42 11 00-0919 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0919)</b>		
33 42 11 00-0920 LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	24.89	4.86
For Bituminous Coated Pipe, Add	3.71	
For Bituminous Coated And 25% Paved, Add	8.98	
For Smooth-Flo, Add	14.81	
33 42 11 00-0921 LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	28.15	5.30
For Bituminous Coated Pipe, Add	4.43	
For Bituminous Coated And 25% Paved, Add	10.72	
For Smooth-Flo, Add	17.69	
33 42 11 00-0922 LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	32.59	5.74
For Bituminous Coated Pipe, Add	5.34	
For Bituminous Coated And 25% Paved, Add	12.91	
For Smooth-Flo, Add	21.29	
33 42 11 00-0923 LF 28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	36.82	6.18
For Bituminous Coated Pipe, Add	6.15	
For Bituminous Coated And 25% Paved, Add	14.88	
For Smooth-Flo, Add	24.54	
33 42 11 00-0924 LF 35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	47.68	7.94
For Bituminous Coated Pipe, Add	7.81	
For Bituminous Coated And 25% Paved, Add	18.89	
For Smooth-Flo, Add	31.16	
33 42 11 00-0925 LF 42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	62.41	10.34
For Bituminous Coated Pipe, Add	10.08	
For Bituminous Coated And 25% Paved, Add	24.36	
For Smooth-Flo, Add	40.19	

<b>33</b>	<b>Utilities</b>
<b>33 40</b>	<b>Stormwater Utilities</b>
<b>33 42</b>	<b>Stormwater Conveyance</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 42 11 00-0926</b> <b>14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0918)</small>		
33 42 11 00-0927    LF    17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	27.91	4.86
For Bituminous Coated Pipe, Add	3.85	
For Bituminous Coated And 25% Paved, Add	9.02	
For Smooth-Flo, Add	14.79	
33 42 11 00-0928    LF    21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	31.84	5.30
For Bituminous Coated Pipe, Add	4.62	
For Bituminous Coated And 25% Paved, Add	10.81	
For Smooth-Flo, Add	17.74	
33 42 11 00-0929    LF    24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	36.70	5.74
For Bituminous Coated Pipe, Add	5.49	
For Bituminous Coated And 25% Paved, Add	12.85	
For Smooth-Flo, Add	21.08	
33 42 11 00-0930    LF    28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	41.57	6.18
For Bituminous Coated Pipe, Add	6.33	
For Bituminous Coated And 25% Paved, Add	14.82	
For Smooth-Flo, Add	24.30	
33 42 11 00-0931    LF    35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	53.61	7.94
For Bituminous Coated Pipe, Add	8.02	
For Bituminous Coated And 25% Paved, Add	18.77	
For Smooth-Flo, Add	30.78	
33 42 11 00-0932    LF    42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	69.47	10.34
For Bituminous Coated Pipe, Add	10.22	
For Bituminous Coated And 25% Paved, Add	23.91	
For Smooth-Flo, Add	39.21	
33 42 11 00-0933    LF    49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	80.55	12.22
For Bituminous Coated Pipe, Add	12.17	
For Bituminous Coated And 25% Paved, Add	28.48	
For Smooth-Flo, Add	46.71	
<b>33 42 11 00-0934</b> <b>12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0918)</small>		
33 42 11 00-0935    LF    21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	41.74	5.64
For Bituminous Coated Pipe, Add	5.00	
For Bituminous Coated And 25% Paved, Add	11.13	
For Smooth-Flo, Add	17.11	
33 42 11 00-0936    LF    24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	48.12	6.11
For Bituminous Coated Pipe, Add	5.93	
For Bituminous Coated And 25% Paved, Add	13.19	
For Smooth-Flo, Add	20.29	
33 42 11 00-0937    LF    28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	54.36	6.58
For Bituminous Coated Pipe, Add	6.80	
For Bituminous Coated And 25% Paved, Add	15.13	
For Smooth-Flo, Add	23.27	
33 42 11 00-0938    LF    35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	69.75	8.47
For Bituminous Coated Pipe, Add	8.56	
For Bituminous Coated And 25% Paved, Add	19.06	
For Smooth-Flo, Add	29.30	
33 42 11 00-0939    LF    42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	83.88	10.34
For Bituminous Coated Pipe, Add	10.72	
For Bituminous Coated And 25% Paved, Add	23.85	
For Smooth-Flo, Add	36.67	
33 42 11 00-0940    LF    49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	97.18	12.22
For Bituminous Coated Pipe, Add	12.67	
For Bituminous Coated And 25% Paved, Add	28.20	
For Smooth-Flo, Add	43.36	
33 42 11 00-0941    LF    57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	113.87	14.11
For Bituminous Coated Pipe, Add	15.03	
For Bituminous Coated And 25% Paved, Add	33.44	
For Smooth-Flo, Add	51.43	
33 42 11 00-0942    LF    64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	126.90	15.98
For Bituminous Coated Pipe, Add	16.60	
For Bituminous Coated And 25% Paved, Add	36.93	
For Smooth-Flo, Add	56.79	
<b>33 42 11 00-0943</b> <b>10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0918)</small>		
33 42 11 00-0944    LF    42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	97.44	10.34
For Bituminous Coated Pipe, Add	12.91	
For Bituminous Coated And 25% Paved, Add	27.18	
For Smooth-Flo, Add	34.28	
33 42 11 00-0945    LF    49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	112.99	12.22
For Bituminous Coated Pipe, Add	15.23	
For Bituminous Coated And 25% Paved, Add	32.06	
For Smooth-Flo, Add	40.43	
33 42 11 00-0946    LF    57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	131.79	14.11
For Bituminous Coated Pipe, Add	17.92	
For Bituminous Coated And 25% Paved, Add	37.72	
For Smooth-Flo, Add	47.57	



	<b>Utilities</b>	<b>33</b>
	<b>Stormwater Utilities</b>	<b>33 40</b>
	<b>Stormwater Conveyance</b>	<b>33 42</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0947	LF		64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	147.16 19.87 41.83 52.75	15.98
33 42 11 00-0948	LF		71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	161.31 21.81 45.92 57.91	16.92
<b>33 42 11 00-0949</b>			<b>3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0917)</small>		
<b>33 42 11 00-0950</b>			<b>14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0949)</small>		
33 42 11 00-0951	LF		60" x 46" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	126.70 19.15 58.20 65.10	15.98
33 42 11 00-0952	LF		66" x 51" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	138.52 20.95 63.70 71.24	16.92
33 42 11 00-0953	LF		73" x 55" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	172.08 26.32 80.00 89.47	20.69
33 42 11 00-0954	LF		81" x 59" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	200.90 28.21 85.77 95.93	30.08
33 42 11 00-0955	LF		87" x 63" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	216.84 30.21 91.83 102.70	32.91
33 42 11 00-0956	LF		95" x 67" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	231.57 32.21 97.92 109.51	35.25
33 42 11 00-0957	LF		103" x 71" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	246.23 34.20 103.97 116.29	37.61
33 42 11 00-0958	LF		112" x 75" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	261.20 36.19 110.01 123.04	39.96
<b>33 42 11 00-0959</b>			<b>12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0949)</small>		
33 42 11 00-0960	LF		66" x 51" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	169.69 27.19 71.23 84.28	16.92
33 42 11 00-0961	LF		73" x 55" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	206.67 33.23 87.07 103.03	20.69
33 42 11 00-0962	LF		81" x 59" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	238.55 35.74 93.65 110.81	30.08
33 42 11 00-0963	LF		87" x 63" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	257.53 38.34 100.46 118.87	32.91
33 42 11 00-0964	LF		95" x 67" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	275.29 40.95 107.30 126.96	35.25
33 42 11 00-0965	LF		103" x 71" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	293.02 43.56 114.13 135.04	37.61
33 42 11 00-0966	LF		112" x 75" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	311.04 46.16 120.93 143.08	39.96
33 42 11 00-0967	LF		117" x 79" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	330.49 48.78 127.80 151.21	42.31
33 42 11 00-0968	LF		128" x 83" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	350.94 51.38 134.63 159.29	47.01



**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0969	LF		137" x 87" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	372.49 54.25 142.13 168.17	51.71
<b>33 42 11 00-0970</b>			<b>10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0949)</small></b>		
33 42 11 00-0971	LF		81" x 59" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	273.53 42.74 101.72 110.48	30.08
33 42 11 00-0972	LF		87" x 63" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	295.40 45.92 109.28 118.70	32.91
33 42 11 00-0973	LF		95" x 67" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	316.04 49.10 116.87 126.93	35.25
33 42 11 00-0974	LF		103" x 71" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	336.58 52.27 124.41 135.12	37.61
33 42 11 00-0975	LF		112" x 75" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	357.50 55.45 131.97 143.33	39.96
33 42 11 00-0976	LF		117" x 79" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	379.79 58.64 139.56 151.58	42.31
33 42 11 00-0977	LF		128" x 83" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	403.11 61.82 147.13 159.80	47.01
33 42 11 00-0978	LF		137" x 87" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	427.31 65.21 155.20 168.57	51.71
33 42 11 00-0979	LF		142" x 91" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	454.32 69.29 164.90 179.10	56.41
<b>33 42 11 00-0980</b>			<b>125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0917)</small></b>		
<b>33 42 11 00-0981</b>			<b>12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0980)</small></b>		
33 42 11 00-0982	LF		81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	241.98 36.43 88.89 113.12	30.08
33 42 11 00-0983	LF		87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	260.62 38.96 95.07 120.98	32.91
33 42 11 00-0984	LF		95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	277.86 41.47 101.18 128.76	35.25
33 42 11 00-0985	LF		103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	295.08 43.97 107.29 136.53	37.61
33 42 11 00-0986	LF		112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	312.72 46.49 113.44 144.36	39.96
33 42 11 00-0987	LF		117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	331.90 49.06 119.71 152.33	42.31
33 42 11 00-0988	LF		128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	352.06 51.61 125.92 160.24	47.01
33 42 11 00-0989	LF		137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	375.28 54.81 133.73 170.17	51.71



	<b>Utilities</b>	<b>33</b>	
	Stormwater Utilities	33 40	33
	Stormwater Conveyance	33 42	33

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 42 11 00-0990 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0980)</small>		
33 42 11 00-0991 LF 81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	280.70	30.08
For Bituminous Coated Pipe, Add	44.17	
For Bituminous Coated And 25% Paved, Add	99.83	
For Smooth-Flo, Add	108.45	
33 42 11 00-0992 LF 87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	302.44	32.91
For Bituminous Coated Pipe, Add	47.33	
For Bituminous Coated And 25% Paved, Add	106.96	
For Smooth-Flo, Add	116.19	
33 42 11 00-0993 LF 95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	322.82	35.25
For Bituminous Coated Pipe, Add	50.46	
For Bituminous Coated And 25% Paved, Add	114.04	
For Smooth-Flo, Add	123.88	
33 42 11 00-0994 LF 103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	343.28	37.61
For Bituminous Coated Pipe, Add	53.61	
For Bituminous Coated And 25% Paved, Add	121.16	
For Smooth-Flo, Add	131.62	
33 42 11 00-0995 LF 112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	363.55	39.96
For Bituminous Coated Pipe, Add	56.66	
For Bituminous Coated And 25% Paved, Add	128.05	
For Smooth-Flo, Add	139.10	
33 42 11 00-0996 LF 117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	386.29	42.31
For Bituminous Coated Pipe, Add	59.94	
For Bituminous Coated And 25% Paved, Add	135.46	
For Smooth-Flo, Add	147.15	
33 42 11 00-0997 LF 128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	409.67	47.01
For Bituminous Coated Pipe, Add	63.13	
For Bituminous Coated And 25% Paved, Add	142.67	
For Smooth-Flo, Add	154.98	
33 42 11 00-0998 LF 137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	436.06	51.71
For Bituminous Coated Pipe, Add	66.96	
For Bituminous Coated And 25% Paved, Add	151.33	
For Smooth-Flo, Add	164.39	
33 42 11 00-0999 LF 142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	460.79	56.41
For Bituminous Coated Pipe, Add	70.58	
For Bituminous Coated And 25% Paved, Add	159.51	
For Smooth-Flo, Add	173.27	
<b>33 42 11 00-1000 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0917)</small>		
<b>33 42 11 00-1001 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-1000)</small>		
33 42 11 00-1002 LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	44.30	4.86
33 42 11 00-1003 LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	51.34	5.30
33 42 11 00-1004 LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	60.57	5.74
33 42 11 00-1005 LF 28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	69.11	6.18
33 42 11 00-1006 LF 35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	88.81	7.94
33 42 11 00-1007 LF 42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	115.84	10.34
<b>33 42 11 00-1008 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-1000)</small>		
33 42 11 00-1009 LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	51.22	4.86
33 42 11 00-1010 LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	59.80	5.30
33 42 11 00-1011 LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	70.02	5.74
33 42 11 00-1012 LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	80.09	6.18
33 42 11 00-1013 LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	102.46	7.94
33 42 11 00-1014 LF 42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	132.07	10.34
33 42 11 00-1015 LF 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	155.28	12.22
<b>33 42 11 00-1016 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-1000)</small>		
33 42 11 00-1017 LF 21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	80.54	5.30
33 42 11 00-1018 LF 24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	94.59	5.74
33 42 11 00-1019 LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	107.91	6.18
33 42 11 00-1020 LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	137.18	7.94
33 42 11 00-1021 LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	174.01	10.34
33 42 11 00-1022 LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	204.12	12.22
33 42 11 00-1023 LF 57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	241.56	14.11
33 42 11 00-1024 LF 64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	267.53	15.98
<b>33 42 11 00-1025 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-1000)</small>		
33 42 11 00-1026 LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	206.91	10.34
33 42 11 00-1027 LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	242.51	12.22
33 42 11 00-1028 LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	285.07	14.11
33 42 11 00-1029 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	316.72	15.98
33 42 11 00-1030 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	347.08	16.92

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
33 42 11 00-1031	<b>3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> (33 42 11 00-0917)		
33 42 11 00-1032	<b>14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> (33 42 11 00-1031)		
33 42 11 00-1033 LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	270.39	15.98
33 42 11 00-1034 LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	295.46	16.92
33 42 11 00-1035 LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	370.86	20.69
33 42 11 00-1036 LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	413.71	30.08
33 42 11 00-1037 LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	444.42	32.91
33 42 11 00-1038 LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	473.96	35.25
33 42 11 00-1039 LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	503.36	37.61
33 42 11 00-1040 LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	533.15	39.96
33 42 11 00-1041	<b>12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> (33 42 11 00-1031)		
33 42 11 00-1042 LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	374.78	16.92
33 42 11 00-1043 LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	459.16	20.69
33 42 11 00-1044 LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	509.81	30.08
33 42 11 00-1045 LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	548.18	32.91
33 42 11 00-1046 LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	585.42	35.25
33 42 11 00-1047 LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	622.60	37.61
33 42 11 00-1048 LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	660.02	39.96
33 42 11 00-1049 LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	699.01	42.31
33 42 11 00-1050 LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	738.91	47.01
33 42 11 00-1051 LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	781.86	51.71
33 42 11 00-1052	<b>10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> (33 42 11 00-1031)		
33 42 11 00-1053 LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	596.99	30.08
33 42 11 00-1054 LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	642.57	32.91
33 42 11 00-1055 LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	687.02	35.25
33 42 11 00-1056 LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	731.20	37.61
33 42 11 00-1057 LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	775.80	39.96
33 42 11 00-1058 LF	117" x 79" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	821.92	42.31
33 42 11 00-1059 LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	869.00	47.01
33 42 11 00-1060 LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	918.49	51.71
33 42 11 00-1061 LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	975.90	56.41
33 42 11 00-1062	<b>125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> (33 42 11 00-0917)		
33 42 11 00-1063	<b>12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> (33 42 11 00-1062)		
33 42 11 00-1064 LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	501.97	30.08
33 42 11 00-1065 LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	538.38	32.91
33 42 11 00-1066 LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	573.18	35.25
33 42 11 00-1067 LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	607.91	37.61
33 42 11 00-1068 LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	643.22	39.96
33 42 11 00-1069 LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	680.38	42.31
33 42 11 00-1070 LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	718.39	47.01
33 42 11 00-1071 LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	763.99	51.71
33 42 11 00-1072	<b>10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> (33 42 11 00-1062)		
33 42 11 00-1073 LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	594.96	30.08
33 42 11 00-1074 LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	638.75	32.91
33 42 11 00-1075 LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	681.09	35.25
33 42 11 00-1076 LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	723.63	37.61
33 42 11 00-1077 LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	765.28	39.96
33 42 11 00-1078 LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	810.96	42.31
33 42 11 00-1079 LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	856.71	47.01
33 42 11 00-1080 LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	910.05	51.71
33 42 11 00-1081 LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch.....	960.00	56.41
33 42 11 00-1082	<b>Aluminized Type 2 Corrugated Steel Piping</b> (33 42 11 00-0573)		
33 42 11 00-1083	<b>2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> (33 42 11 00-1082)		
33 42 11 00-1084	<b>16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> (33 42 11 00-1083)		
33 42 11 00-1085 LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	23.31	4.64
	<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	5.53	
33 42 11 00-1086 LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	27.20	4.86
	<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	6.96	
33 42 11 00-1087 LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	31.22	5.30
	<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	8.44	



	<b>Utilities</b>	<b>33</b>
	<b>Stormwater Utilities</b>	<b>33 40</b>
	<b>Stormwater Conveyance</b>	<b>33 42</b>

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1088 LF 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	36.11 10.08	5.74
33 42 11 00-1089 LF 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	40.22 11.36	6.18
33 42 11 00-1090 LF 30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	52.77 14.73	7.94
33 42 11 00-1091 LF 36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	67.95 18.59	10.34
33 42 11 00-1092 LF 42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	78.35 21.99	12.22
33 42 11 00-1093 LF 48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	87.98 24.64	14.11
<b>33 42 11 00-1094 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1083)</small>		
33 42 11 00-1095 LF 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	26.29 5.25	4.64
33 42 11 00-1096 LF 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	30.89 6.59	4.86
33 42 11 00-1097 LF 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	35.61 7.96	5.30
33 42 11 00-1098 LF 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	41.20 9.47	5.74
33 42 11 00-1099 LF 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	46.13 10.72	6.18
33 42 11 00-1100 LF 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	60.00 13.77	7.94
33 42 11 00-1101 LF 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	76.70 17.25	10.34
33 42 11 00-1102 LF 42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	88.43 20.32	12.22
33 42 11 00-1103 LF 48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	99.46 22.82	14.11
33 42 11 00-1104 LF 54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	120.06 28.06	15.98
<b>33 42 11 00-1105 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1083)</small>		
33 42 11 00-1106 LF 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	44.84 7.42	5.30
33 42 11 00-1107 LF 21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	51.98 8.78	5.74
33 42 11 00-1108 LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	58.37 9.95	6.18
33 42 11 00-1109 LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	75.28 12.68	7.94
33 42 11 00-1110 LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	95.13 15.74	10.34
33 42 11 00-1111 LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	109.79 18.46	12.22
33 42 11 00-1112 LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	123.83 20.82	14.11
33 42 11 00-1113 LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	147.89 25.14	15.98
33 42 11 00-1114 LF 60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	161.59 27.49	16.92
33 42 11 00-1115 LF 66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	197.72 33.80	20.69
<b>33 42 11 00-1116 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1083)</small>		
33 42 11 00-1117 LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	111.71 17.24	10.34
33 42 11 00-1118 LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	129.17 20.21	12.22
33 42 11 00-1119 LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	145.84 22.82	14.11
33 42 11 00-1120 LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	172.57 27.19	15.98
33 42 11 00-1121 LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	189.05 29.82	16.92
33 42 11 00-1122 LF 66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	227.88 35.98	20.69
33 42 11 00-1123 LF 72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	260.72 38.57	30.08
<b>33 42 11 00-1124 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1082)</small>		

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1125			<b>16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1124)</small>		
33 42 11 00-1126	LF		36" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	80.98 20.66	10.34
33 42 11 00-1127	LF		42" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	93.27 24.27	12.22
33 42 11 00-1128	LF		48" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	104.75 27.21	14.11
33 42 11 00-1129	LF		54" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	125.94 33.24	15.98
33 42 11 00-1130	LF		60" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	137.22 36.21	16.92
33 42 11 00-1131	LF		66" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	173.41 46.52	20.69
33 42 11 00-1132	LF		72" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	201.49 49.58	30.08
33 42 11 00-1133	LF		78" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	216.25 52.65	32.91
33 42 11 00-1134	LF		84" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	229.76 55.73	35.25
33 42 11 00-1135	LF		90" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	243.27 58.82	37.61
33 42 11 00-1136	LF		96" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	257.09 61.89	39.96
33 42 11 00-1137	LF		102" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	272.30 65.00	42.31
33 42 11 00-1138			<b>14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1124)</small>		
33 42 11 00-1139	LF		54" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	140.91 28.80	15.98
33 42 11 00-1140	LF		60" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	153.77 31.45	16.92
33 42 11 00-1141	LF		66" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	191.61 39.59	20.69
33 42 11 00-1142	LF		72" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	221.33 42.31	30.08
33 42 11 00-1143	LF		78" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	237.69 45.03	32.91
33 42 11 00-1144	LF		84" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	252.90 47.78	35.25
33 42 11 00-1145	LF		90" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	267.98 50.50	37.61
33 42 11 00-1146	LF		96" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	283.40 53.22	39.96
33 42 11 00-1147	LF		102" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	300.21 55.97	42.31
33 42 11 00-1148	LF		108" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	318.07 58.70	47.01
33 42 11 00-1149	LF		114" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	335.57 61.39	51.71
33 42 11 00-1150			<b>12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1124)</small>		
33 42 11 00-1151	LF		60" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	190.55 42.18	16.92
33 42 11 00-1152	LF		66" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	232.33 51.60	20.69
33 42 11 00-1153	LF		72" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	265.59 55.35	30.08
33 42 11 00-1154	LF		78" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	285.56 59.11	32.91
33 42 11 00-1155	LF		84" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	304.31 62.89	35.25
33 42 11 00-1156	LF		90" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	322.99 66.65	37.61
33 42 11 00-1157	LF		96" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	341.99 70.41	39.96
33 42 11 00-1158	LF		102" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	362.37 74.18	42.31
33 42 11 00-1159	LF		108" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	383.78 77.95	47.01
33 42 11 00-1160	LF		114" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	404.88 81.68	51.71
33 42 11 00-1161	LF		120" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	425.56 85.45	56.41
33 42 11 00-1162			<b>10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1124)</small>		
33 42 11 00-1163	LF		72" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	306.87 67.94	30.08



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1164 LF 78" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	330.16	32.91
For 1/2 Bituminous Coated And 25% Paved, Add	72.70	
33 42 11 00-1165 LF 84" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	352.31	35.25
For 1/2 Bituminous Coated And 25% Paved, Add	77.49	
33 42 11 00-1166 LF 90" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	374.35	37.61
For 1/2 Bituminous Coated And 25% Paved, Add	82.26	
33 42 11 00-1167 LF 96" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	396.78	39.96
For 1/2 Bituminous Coated And 25% Paved, Add	87.04	
33 42 11 00-1168 LF 102" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	420.57	42.31
For 1/2 Bituminous Coated And 25% Paved, Add	91.84	
33 42 11 00-1169 LF 108" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	445.32	47.01
For 1/2 Bituminous Coated And 25% Paved, Add	96.61	
33 42 11 00-1170 LF 114" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	469.80	51.71
For 1/2 Bituminous Coated And 25% Paved, Add	101.35	
33 42 11 00-1171 LF 120" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	493.89	56.41
For 1/2 Bituminous Coated And 25% Paved, Add	106.15	
33 42 11 00-1172 LF 126" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	518.76	61.11
For 1/2 Bituminous Coated And 25% Paved, Add	110.91	
33 42 11 00-1173 LF 132" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	544.90	65.81
For 1/2 Bituminous Coated And 25% Paved, Add	115.70	
33 42 11 00-1174 LF 138" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	572.48	70.52
For 1/2 Bituminous Coated And 25% Paved, Add	120.50	
<b>33 42 11 00-1175 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping</b>		
<small>(33 42 11 00-1082)</small>		
<b>33 42 11 00-1176 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping</b>		
<small>(33 42 11 00-1175)</small>		
33 42 11 00-1177 LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	105.23	14.11
For 1/2 Bituminous Coated And 25% Paved, Add	33.72	
33 42 11 00-1178 LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	126.81	15.98
For 1/2 Bituminous Coated And 25% Paved, Add	41.31	
33 42 11 00-1179 LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	137.98	16.92
For 1/2 Bituminous Coated And 25% Paved, Add	44.92	
33 42 11 00-1180 LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	171.72	20.69
For 1/2 Bituminous Coated And 25% Paved, Add	56.56	
33 42 11 00-1181 LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	199.60	30.08
For 1/2 Bituminous Coated And 25% Paved, Add	60.24	
33 42 11 00-1182 LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	214.14	32.91
For 1/2 Bituminous Coated And 25% Paved, Add	63.93	
33 42 11 00-1183 LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	227.34	35.25
For 1/2 Bituminous Coated And 25% Paved, Add	67.59	
33 42 11 00-1184 LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	240.49	37.61
For 1/2 Bituminous Coated And 25% Paved, Add	71.23	
33 42 11 00-1185 LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	254.14	39.96
For 1/2 Bituminous Coated And 25% Paved, Add	74.94	
33 42 11 00-1186 LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	269.28	42.31
For 1/2 Bituminous Coated And 25% Paved, Add	78.74	
<b>33 42 11 00-1187 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping</b>		
<small>(33 42 11 00-1175)</small>		
33 42 11 00-1188 LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	145.53	15.98
For 1/2 Bituminous Coated And 25% Paved, Add	38.95	
33 42 11 00-1189 LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	158.83	16.92
For 1/2 Bituminous Coated And 25% Paved, Add	42.53	
33 42 11 00-1190 LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	194.43	20.69
For 1/2 Bituminous Coated And 25% Paved, Add	52.34	
33 42 11 00-1191 LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	224.17	30.08
For 1/2 Bituminous Coated And 25% Paved, Add	55.88	
33 42 11 00-1192 LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	240.90	32.91
For 1/2 Bituminous Coated And 25% Paved, Add	59.53	
33 42 11 00-1193 LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	256.19	35.25
For 1/2 Bituminous Coated And 25% Paved, Add	63.13	
33 42 11 00-1194 LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	270.40	37.61
For 1/2 Bituminous Coated And 25% Paved, Add	66.36	
33 42 11 00-1195 LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	287.03	39.96
For 1/2 Bituminous Coated And 25% Paved, Add	70.30	
33 42 11 00-1196 LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	303.95	42.31
For 1/2 Bituminous Coated And 25% Paved, Add	73.90	
33 42 11 00-1197 LF 108" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	321.84	47.01
For 1/2 Bituminous Coated And 25% Paved, Add	77.46	
33 42 11 00-1198 LF 114" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	339.79	51.71
For 1/2 Bituminous Coated And 25% Paved, Add	81.10	
<b>33 42 11 00-1199 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping</b>		
<small>(33 42 11 00-1175)</small>		
33 42 11 00-1200 LF 60" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	197.81	16.92
For 1/2 Bituminous Coated And 25% Paved, Add	46.92	
33 42 11 00-1201 LF 66" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	237.40	20.69
For 1/2 Bituminous Coated And 25% Paved, Add	56.31	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1202 LF 72" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	271.22	30.08
For 1/2 Bituminous Coated And 25% Paved, Add	60.46	
33 42 11 00-1203 LF 78" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	291.55	32.91
For 1/2 Bituminous Coated And 25% Paved, Add	64.56	
33 42 11 00-1204 LF 84" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	310.53	35.25
For 1/2 Bituminous Coated And 25% Paved, Add	68.64	
33 42 11 00-1205 LF 90" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	329.69	37.61
For 1/2 Bituminous Coated And 25% Paved, Add	72.78	
33 42 11 00-1206 LF 96" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	349.05	39.96
For 1/2 Bituminous Coated And 25% Paved, Add	76.87	
33 42 11 00-1207 LF 102" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	369.72	42.31
For 1/2 Bituminous Coated And 25% Paved, Add	80.97	
33 42 11 00-1208 LF 108" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	391.57	47.01
For 1/2 Bituminous Coated And 25% Paved, Add	85.10	
33 42 11 00-1209 LF 114" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	413.15	51.71
For 1/2 Bituminous Coated And 25% Paved, Add	89.20	
33 42 11 00-1210 LF 120" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	434.15	56.41
For 1/2 Bituminous Coated And 25% Paved, Add	93.31	
<b>33 42 11 00-1211 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1175)</small>		
33 42 11 00-1212 LF 72" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	316.27	30.08
For 1/2 Bituminous Coated And 25% Paved, Add	73.34	
33 42 11 00-1213 LF 78" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	340.79	32.91
For 1/2 Bituminous Coated And 25% Paved, Add	78.64	
33 42 11 00-1214 LF 84" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	363.68	35.25
For 1/2 Bituminous Coated And 25% Paved, Add	83.84	
33 42 11 00-1215 LF 90" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	386.39	37.61
For 1/2 Bituminous Coated And 25% Paved, Add	88.99	
33 42 11 00-1216 LF 96" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	409.58	39.96
For 1/2 Bituminous Coated And 25% Paved, Add	94.19	
33 42 11 00-1217 LF 102" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	433.99	42.31
For 1/2 Bituminous Coated And 25% Paved, Add	99.35	
33 42 11 00-1218 LF 108" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	459.56	47.01
For 1/2 Bituminous Coated And 25% Paved, Add	104.54	
33 42 11 00-1219 LF 114" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	484.91	51.71
For 1/2 Bituminous Coated And 25% Paved, Add	109.73	
33 42 11 00-1220 LF 120" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	509.59	56.41
For 1/2 Bituminous Coated And 25% Paved, Add	114.89	
33 42 11 00-1221 LF 126" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	540.99	61.11
For 1/2 Bituminous Coated And 25% Paved, Add	121.70	
33 42 11 00-1222 LF 132" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	569.33	65.81
For 1/2 Bituminous Coated And 25% Paved, Add	127.31	
33 42 11 00-1223 LF 138" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	599.83	70.52
For 1/2 Bituminous Coated And 25% Paved, Add	133.14	
<b>33 42 11 00-1224 Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1082)</small>		
<b>33 42 11 00-1225 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1224)</small>		
33 42 11 00-1226 LF 18" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	36.26	5.30
33 42 11 00-1227 LF 21" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	41.94	5.74
33 42 11 00-1228 LF 24" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	47.12	6.18
33 42 11 00-1229 LF 30" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	61.18	7.94
33 42 11 00-1230 LF 36" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	77.83	10.34
33 42 11 00-1231 LF 42" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	89.75	12.22
33 42 11 00-1232 LF 48" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	101.23	14.11
33 42 11 00-1233 LF 54" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	120.85	15.98
33 42 11 00-1234 LF 60" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	132.10	16.92
<b>33 42 11 00-1235 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1224)</small>		
33 42 11 00-1236 LF 18" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	40.59	5.30
33 42 11 00-1237 LF 21" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	47.00	5.74
33 42 11 00-1238 LF 24" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	52.86	6.18
33 42 11 00-1239 LF 30" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	68.36	7.94
33 42 11 00-1240 LF 36" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	86.46	10.34
33 42 11 00-1241 LF 42" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	99.85	12.22
33 42 11 00-1242 LF 48" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	112.77	14.11
33 42 11 00-1243 LF 54" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	133.82	15.98
33 42 11 00-1244 LF 60" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	146.56	16.92
33 42 11 00-1245 LF 66" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	178.58	20.69
33 42 11 00-1246 LF 72" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	207.73	30.08
33 42 11 00-1247 LF 78" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	223.68	32.91
<b>33 42 11 00-1248 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1224)</small>		
33 42 11 00-1249 LF 30" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	82.91	7.94
33 42 11 00-1250 LF 36" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	103.88	10.34
33 42 11 00-1251 LF 42" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	120.25	12.22



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1252	LF		48" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	136.04	14.11
33 42 11 00-1253	LF		54" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	159.99	15.98
33 42 11 00-1254	LF		60" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	175.69	16.92
33 42 11 00-1255	LF		66" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	210.55	20.69
33 42 11 00-1256	LF		72" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	242.57	30.08
33 42 11 00-1257	LF		78" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	261.41	32.91
33 42 11 00-1258	LF		84" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	278.90	35.25
33 42 11 00-1259	LF		90" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	296.40	37.61
33 42 11 00-1260	LF		96" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	314.16	39.96
33 42 11 00-1261	LF		102" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	331.87	42.31
<b>33 42 11 00-1262</b>			<b>Aluminized Type 2 Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0573)</small>		
<b>33 42 11 00-1263</b>			<b>2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-1262)</small>		
<b>33 42 11 00-1264</b>			<b>16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-1263)</small>		
33 42 11 00-1265	LF		17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	28.21	4.86
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	8.99	
33 42 11 00-1266	LF		21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	32.12	5.30
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	10.74	
33 42 11 00-1267	LF		24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	37.35	5.74
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	12.92	
33 42 11 00-1268	LF		28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	42.30	6.18
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	14.88	
33 42 11 00-1269	LF		35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	54.65	7.94
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	18.91	
33 42 11 00-1270	LF		42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	71.41	10.34
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	24.39	
<b>33 42 11 00-1271</b>			<b>14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-1263)</small>		
33 42 11 00-1272	LF		17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	31.90	4.86
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	9.32	
33 42 11 00-1273	LF		21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	36.59	5.30
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	11.16	
33 42 11 00-1274	LF		24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	42.39	5.74
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	13.28	
33 42 11 00-1275	LF		28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	48.13	6.18
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	15.31	
33 42 11 00-1276	LF		35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	61.91	7.94
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	19.38	
33 42 11 00-1277	LF		42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	80.05	10.34
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	24.70	
33 42 11 00-1278	LF		49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	93.15	12.22
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	29.42	
<b>33 42 11 00-1279</b>			<b>12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-1263)</small>		
33 42 11 00-1280	LF		21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	45.71	5.30
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	10.22	
33 42 11 00-1281	LF		24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	53.19	5.74
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	12.15	
33 42 11 00-1282	LF		28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	60.37	6.18
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	13.95	
33 42 11 00-1283	LF		35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	77.20	7.94
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	17.60	
33 42 11 00-1284	LF		42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	98.51	10.34
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	22.13	
33 42 11 00-1285	LF		49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	114.68	12.22
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	26.23	
33 42 11 00-1286	LF		57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	135.06	14.11
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	31.23	
33 42 11 00-1287	LF		64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	150.09	15.98
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	34.43	
<b>33 42 11 00-1288</b>			<b>10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-1263)</small>		
33 42 11 00-1289	LF		42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	115.08	10.34
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	23.29	
33 42 11 00-1290	LF		49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	134.01	12.22
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	27.52	
33 42 11 00-1291	LF		57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	156.98	14.11
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	32.50	
33 42 11 00-1292	LF		64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	174.88	15.98
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	35.98	
33 42 11 00-1293	LF		71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	191.56	16.92
			<i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	39.45	



**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1294 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1294)</small>		
33 42 11 00-1295 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1294)</small>		
33 42 11 00-1296 LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	143.87	15.98
For 1/2 Bituminous Coated And 40% Paved, Add	51.71	
33 42 11 00-1297 LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	157.28	16.92
For 1/2 Bituminous Coated And 40% Paved, Add	56.58	
33 42 11 00-1298 LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	195.66	20.69
For 1/2 Bituminous Coated And 40% Paved, Add	71.06	
33 42 11 00-1299 LF 81" x 59" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	226.17	30.08
For 1/2 Bituminous Coated And 40% Paved, Add	76.18	
33 42 11 00-1300 LF 87" x 63" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	243.91	32.91
For 1/2 Bituminous Coated And 40% Paved, Add	81.57	
33 42 11 00-1301 LF 95" x 67" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	260.41	35.25
For 1/2 Bituminous Coated And 40% Paved, Add	86.97	
33 42 11 00-1302 LF 103" x 71" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	276.84	37.61
For 1/2 Bituminous Coated And 40% Paved, Add	92.34	
33 42 11 00-1303 LF 112" x 75" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	293.65	39.96
For 1/2 Bituminous Coated And 40% Paved, Add	97.73	
33 42 11 00-1304 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1294)</small>		
33 42 11 00-1305 LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	194.09	16.92
For 1/2 Bituminous Coated And 40% Paved, Add	64.30	
33 42 11 00-1306 LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	236.47	20.69
For 1/2 Bituminous Coated And 40% Paved, Add	78.58	
33 42 11 00-1307 LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	270.60	30.08
For 1/2 Bituminous Coated And 40% Paved, Add	84.52	
33 42 11 00-1308 LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	291.89	32.91
For 1/2 Bituminous Coated And 40% Paved, Add	90.66	
33 42 11 00-1309 LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	312.02	35.25
For 1/2 Bituminous Coated And 40% Paved, Add	96.84	
33 42 11 00-1310 LF 103" x 71" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	332.08	37.61
For 1/2 Bituminous Coated And 40% Paved, Add	103.00	
33 42 11 00-1311 LF 112" x 75" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	352.43	39.96
For 1/2 Bituminous Coated And 40% Paved, Add	109.14	
33 42 11 00-1312 LF 117" x 79" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	374.22	42.31
For 1/2 Bituminous Coated And 40% Paved, Add	115.34	
33 42 11 00-1313 LF 128" x 83" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	397.00	47.01
For 1/2 Bituminous Coated And 40% Paved, Add	121.49	
33 42 11 00-1314 LF 137" x 87" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	421.15	51.71
For 1/2 Bituminous Coated And 40% Paved, Add	128.28	
33 42 11 00-1315 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1294)</small>		
33 42 11 00-1316 LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	311.85	30.08
For 1/2 Bituminous Coated And 40% Paved, Add	91.48	
33 42 11 00-1317 LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	336.57	32.91
For 1/2 Bituminous Coated And 40% Paved, Add	98.29	
33 42 11 00-1318 LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	360.08	35.25
For 1/2 Bituminous Coated And 40% Paved, Add	105.11	
33 42 11 00-1319 LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	383.47	37.61
For 1/2 Bituminous Coated And 40% Paved, Add	111.89	
33 42 11 00-1320 LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	409.50	39.96
For 1/2 Bituminous Coated And 40% Paved, Add	119.51	
33 42 11 00-1321 LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	432.38	42.31
For 1/2 Bituminous Coated And 40% Paved, Add	125.52	
33 42 11 00-1322 LF 128" x 83" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	458.57	47.01
For 1/2 Bituminous Coated And 40% Paved, Add	132.33	
33 42 11 00-1323 LF 137" x 87" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	485.78	51.71
For 1/2 Bituminous Coated And 40% Paved, Add	139.58	
33 42 11 00-1324 LF 142" x 91" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	516.45	56.41
For 1/2 Bituminous Coated And 40% Paved, Add	148.31	
33 42 11 00-1325 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1262)</small>		
33 42 11 00-1326 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1325)</small>		
33 42 11 00-1327 LF 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	274.76	30.08
For 1/2 Bituminous Coated And 40% Paved, Add	83.18	
33 42 11 00-1328 LF 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	295.69	32.91
For 1/2 Bituminous Coated And 40% Paved, Add	88.96	
33 42 11 00-1329 LF 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	315.20	35.25
For 1/2 Bituminous Coated And 40% Paved, Add	94.69	



<b>Utilities</b>	<b>33</b>	<b>33</b>
<b>Stormwater Utilities</b>	<b>33 40</b>	
<b>Stormwater Conveyance</b>	<b>33 42</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1330	LF		103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	334.67 100.41	37.61
33 42 11 00-1331	LF		112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	354.57 106.16	39.96
33 42 11 00-1332	LF		117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	376.05 112.02	42.31
33 42 11 00-1333	LF		128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	398.52 117.84	47.01
33 42 11 00-1334	LF		137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	424.61 125.14	51.71
<b>33 42 11 00-1335</b>			<b>10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-1325)</small>		
33 42 11 00-1336	LF		81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	320.46 92.26	30.08
33 42 11 00-1337	LF		87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	345.04 98.85	32.91
33 42 11 00-1338	LF		95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	368.24 105.39	35.25
33 42 11 00-1339	LF		103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	391.54 111.98	37.61
33 42 11 00-1340	LF		112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	414.56 118.34	39.96
33 42 11 00-1341	LF		117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	440.24 125.19	42.31
33 42 11 00-1342	LF		128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	466.51 131.86	47.01
33 42 11 00-1343	LF		137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	496.34 139.86	51.71
33 42 11 00-1344	LF		142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	524.33 147.42	56.41
<b>33 42 11 00-1345</b>			<b>Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-0573)</small>		
<b>33 42 11 00-1346</b>			<b>1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1345)</small>		
<b>33 42 11 00-1347</b>			<b>18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1346)</small>		
33 42 11 00-1348	LF		6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	14.20 1.71	2.65
33 42 11 00-1349	LF		8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	18.52 2.32	3.31
33 42 11 00-1350	LF		10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	24.08 3.06	3.98
<b>33 42 11 00-1351</b>			<b>16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1346)</small>		
33 42 11 00-1352	LF		6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	16.16 1.69	2.65
33 42 11 00-1353	LF		8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	21.30 2.32	3.31
33 42 11 00-1354	LF		10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	27.78 3.06	3.98
<b>33 42 11 00-1355</b>			<b>2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1345)</small>		
<b>33 42 11 00-1356</b>			<b>16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1355)</small>		
33 42 11 00-1357	LF		12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	27.81 3.36	4.64
33 42 11 00-1358	LF		15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	32.80 4.22	4.86
33 42 11 00-1359	LF		18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	38.07 5.13	5.30
33 42 11 00-1360	LF		21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	44.25 6.12	5.74
33 42 11 00-1361	LF		24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	49.64 6.94	6.18
<b>33 42 11 00-1362</b>			<b>14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1355)</small>		
33 42 11 00-1363	LF		12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	32.02 3.29	4.64
33 42 11 00-1364	LF		15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	38.16 4.14	4.86

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1365 LF 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	44.49	5.30
<i>For Bituminous Coated Pipe, Add</i>	5.02	
33 42 11 00-1366 LF 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	51.70	5.74
<i>For Bituminous Coated Pipe, Add</i>	5.96	
33 42 11 00-1367 LF 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	58.19	6.18
<i>For Bituminous Coated Pipe, Add</i>	6.77	
33 42 11 00-1368 LF 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	75.36	7.94
<i>For Bituminous Coated Pipe, Add</i>	8.68	
33 42 11 00-1369 LF 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	95.37	10.34
<i>For Bituminous Coated Pipe, Add</i>	10.79	
<b>33 42 11 00-1370 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1355)</small>		
33 42 11 00-1371 LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	74.53	6.18
<i>For Bituminous Coated Pipe, Add</i>	6.43	
33 42 11 00-1372 LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	95.70	7.94
<i>For Bituminous Coated Pipe, Add</i>	8.18	
33 42 11 00-1373 LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	119.80	10.34
<i>For Bituminous Coated Pipe, Add</i>	10.08	
33 42 11 00-1374 LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	139.02	12.22
<i>For Bituminous Coated Pipe, Add</i>	11.85	
33 42 11 00-1375 LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	157.28	14.11
<i>For Bituminous Coated Pipe, Add</i>	13.42	
33 42 11 00-1376 LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	185.52	15.98
<i>For Bituminous Coated Pipe, Add</i>	15.92	
<b>33 42 11 00-1377 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1355)</small>		
33 42 11 00-1378 LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	145.83	10.34
<i>For Bituminous Coated Pipe, Add</i>	9.91	
33 42 11 00-1379 LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	169.35	12.22
<i>For Bituminous Coated Pipe, Add</i>	11.63	
33 42 11 00-1380 LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	192.04	14.11
<i>For Bituminous Coated Pipe, Add</i>	13.20	
33 42 11 00-1381 LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	224.63	15.98
<i>For Bituminous Coated Pipe, Add</i>	15.49	
33 42 11 00-1382 LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	247.15	16.92
<i>For Bituminous Coated Pipe, Add</i>	17.07	
<b>33 42 11 00-1383 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1345)</small>		
<b>33 42 11 00-1384 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1383)</small>		
33 42 11 00-1385 LF 30" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	74.03	7.94
33 42 11 00-1386 LF 36" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	93.71	10.34
33 42 11 00-1387 LF 42" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	108.05	12.22
33 42 11 00-1388 LF 48" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	122.43	14.11
33 42 11 00-1389 LF 54" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	145.15	15.98
<b>33 42 11 00-1390 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1383)</small>		
33 42 11 00-1391 LF 30" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	84.74	7.94
33 42 11 00-1392 LF 36" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	109.00	10.34
33 42 11 00-1393 LF 42" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	125.79	12.22
33 42 11 00-1394 LF 48" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	141.79	14.11
33 42 11 00-1395 LF 54" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	167.83	15.98
33 42 11 00-1396 LF 60" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	183.58	16.92
33 42 11 00-1397 LF 66" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	223.66	20.69
33 42 11 00-1398 LF 72" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	256.09	30.08
33 42 11 00-1399 LF 78" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	275.22	32.91
<b>33 42 11 00-1400 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1383)</small>		
33 42 11 00-1401 LF 30" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	109.75	7.94
33 42 11 00-1402 LF 36" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	137.12	10.34
33 42 11 00-1403 LF 42" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	159.40	12.22
33 42 11 00-1404 LF 48" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	180.34	14.11
33 42 11 00-1405 LF 54" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	211.10	15.98
33 42 11 00-1406 LF 60" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	231.50	16.92
33 42 11 00-1407 LF 66" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	276.21	20.69
33 42 11 00-1408 LF 72" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	313.41	30.08
33 42 11 00-1409 LF 78" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	337.22	32.91
33 42 11 00-1410 LF 84" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	359.83	35.25
33 42 11 00-1411 LF 90" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	382.36	37.61
33 42 11 00-1412 LF 96" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	405.23	39.96



<b>Utilities</b>	<b>33</b>	<b>33</b>
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 42 11 00-1413</b> 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 42 11 00-1383)</small>		
33 42 11 00-1414 LF 60" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	281.89	16.92
33 42 11 00-1415 LF 66" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	329.52	20.69
33 42 11 00-1416 LF 72" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	371.50	30.08
33 42 11 00-1417 LF 78" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	400.10	32.91
33 42 11 00-1418 LF 84" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	427.43	35.25
33 42 11 00-1419 LF 90" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	454.73	37.61
33 42 11 00-1420 LF 96" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	482.35	39.96
33 42 11 00-1421 LF 102" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	511.38	42.31
33 42 11 00-1422 LF 108" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	541.42	47.01
<b>33 42 11 00-1423</b> Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1345)</small>		
Note: Contech ULTRA FLO. HS 20 and HS 25 vehicular loading.		
<b>33 42 11 00-1424</b> 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1423)</small>		
33 42 11 00-1425 LF 18" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	52.49	5.30
33 42 11 00-1426 LF 21" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	56.43	5.74
33 42 11 00-1427 LF 24" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	68.81	6.18
33 42 11 00-1428 LF 27" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	79.48	7.06
33 42 11 00-1429 LF 30" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	88.70	7.94
33 42 11 00-1430 LF 33" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	99.71	8.83
<b>33 42 11 00-1431</b> 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1423)</small>		
33 42 11 00-1432 LF 18" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	61.55	5.30
33 42 11 00-1433 LF 21" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	71.62	5.74
33 42 11 00-1434 LF 24" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	81.00	6.18
33 42 11 00-1435 LF 27" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	93.15	7.06
33 42 11 00-1436 LF 30" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	103.87	7.94
33 42 11 00-1437 LF 33" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	116.42	8.83
33 42 11 00-1438 LF 36" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	129.80	10.34
33 42 11 00-1439 LF 42" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	150.67	12.22
33 42 11 00-1440 LF 48" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	170.54	14.11
<b>33 42 11 00-1441</b> 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1423)</small>		
33 42 11 00-1442 LF 30" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	133.53	7.94
33 42 11 00-1443 LF 33" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	148.98	8.83
33 42 11 00-1444 LF 36" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	165.37	10.34
33 42 11 00-1445 LF 42" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	192.21	12.22
33 42 11 00-1446 LF 48" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	218.01	14.11
33 42 11 00-1447 LF 54" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	305.39	15.98
33 42 11 00-1448 LF 60" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	336.31	16.92
<b>33 42 11 00-1449</b> 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 42 11 00-1423)</small>		
33 42 11 00-1450 LF 48" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	314.73	14.11
33 42 11 00-1451 LF 54" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	365.02	15.98
33 42 11 00-1452 LF 60" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	402.64	16.92
33 42 11 00-1453 LF 66" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	467.02	20.69
33 42 11 00-1454 LF 72" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	520.43	30.08
33 42 11 00-1455 LF 78" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	560.99	32.91
33 42 11 00-1456 LF 84" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	599.92	35.25
<b>33 42 11 00-1457</b> Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-0573)</small>		
<b>33 42 11 00-1458</b> 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1457)</small>		
<b>33 42 11 00-1459</b> 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1458)</small>		
33 42 11 00-1460 LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	34.71	4.86
For Bituminous Coated Pipe, Add	4.23	
33 42 11 00-1461 LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	39.88	5.30
For Bituminous Coated Pipe, Add	5.05	
33 42 11 00-1462 LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	46.32	5.74
For Bituminous Coated Pipe, Add	6.01	
<b>33 42 11 00-1463</b> 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 42 11 00-1458)</small>		

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1464 LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	40.08 4.21	4.86
33 42 11 00-1465 LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	45.04 4.86	5.30
33 42 11 00-1466 LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	53.76 5.97	5.74
33 42 11 00-1467 LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	60.99 6.84	6.18
33 42 11 00-1468 LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	78.15 8.66	7.94
<b>33 42 11 00-1469 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1468)</small>		
33 42 11 00-1470 LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	77.34 6.52	6.18
33 42 11 00-1471 LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	98.53 8.22	7.94
33 42 11 00-1472 LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	124.60 10.27	10.34
33 42 11 00-1473 LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	145.34 12.14	12.22
<b>33 42 11 00-1474 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1468)</small>		
33 42 11 00-1475 LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	150.60 9.91	10.34
33 42 11 00-1476 LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	175.72 11.69	12.22
33 42 11 00-1477 LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	204.83 13.69	14.11
33 42 11 00-1478 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	228.83 15.24	15.98
<b>33 42 11 00-1479 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1457)</small>		
<b>33 42 11 00-1480 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1479)</small>		
33 42 11 00-1481 LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	172.04	15.98
33 42 11 00-1482 LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	188.47	16.92
33 42 11 00-1483 LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	229.70	20.69
<b>33 42 11 00-1484 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1479)</small>		
33 42 11 00-1485 LF 60" x 46" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	215.31	15.98
33 42 11 00-1486 LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	236.38	16.92
33 42 11 00-1487 LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	282.03	20.69
33 42 11 00-1488 LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	319.67	30.08
33 42 11 00-1489 LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	343.93	32.91
33 42 11 00-1490 LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	366.99	35.25
<b>33 42 11 00-1491 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1479)</small>		
33 42 11 00-1492 LF 66" x 51" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	286.71	16.92
33 42 11 00-1493 LF 73" x 55" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	335.13	20.69
33 42 11 00-1494 LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	377.54	30.08
33 42 11 00-1495 LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	406.58	32.91
33 42 11 00-1496 LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	434.35	35.25
33 42 11 00-1497 LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	462.09	37.61
<b>33 42 11 00-1498 Corrugated Steel Pipe Fittings</b> <small>(33 42 11 00-0573)</small> Note: Equivalent pipe-arch sizes are approximate.		
<b>33 42 11 00-1499 Fabricate 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fittings</b> <small>(33 42 11 00-1498)</small> Note: Excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1500 EA Fabricate 6" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe) .....	48.61	
33 42 11 00-1501 EA Fabricate 8" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe) .....	60.95	
33 42 11 00-1502 EA Fabricate 10" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe) .....	73.31	
33 42 11 00-1503 EA Fabricate 12" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe) .....	86.43	
33 42 11 00-1504 EA Fabricate 15" (Or 17" x 13" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	104.94	
33 42 11 00-1505 EA Fabricate 18" (Or 21" x 15" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	123.46	
33 42 11 00-1506 EA Fabricate 21" (Or 24" x 18" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	141.98	
33 42 11 00-1507 EA Fabricate 24" (Or 28" x 20" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	160.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1508 EA Fabricate 30" (Or 35" x 24" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	209.12	
33 42 11 00-1509 EA Fabricate 36" (Or 42" x 29" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	249.23	
33 42 11 00-1510 EA Fabricate 42" (Or 49" x 33" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	289.36	
33 42 11 00-1511 EA Fabricate 48" (Or 57" x 38" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	374.24	
33 42 11 00-1512 EA Fabricate 54" (Or 64" x 43" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	422.09	
33 42 11 00-1513 EA Fabricate 60" (Or 71" x 47" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	471.48	
33 42 11 00-1514 EA Fabricate 66" (Or 77" x 52" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	522.40	
33 42 11 00-1515 EA Fabricate 72" (Or 83" x 57" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	636.61	
33 42 11 00-1516 EA Fabricate 78" (Or 87" x 63" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	694.48	
33 42 11 00-1517 EA Fabricate 84" (Or 95" x 67" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	753.89	
33 42 11 00-1518 EA Fabricate 90" (Or 103" x 71" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	925.19	
33 42 11 00-1519 EA Fabricate 96" (Or 112" x 75" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	993.11	
33 42 11 00-1520 EA Fabricate 102" (Or 117" x 79" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,061.78	
33 42 11 00-1521 EA Fabricate 108" (Or 128" x 83" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,130.46	
33 42 11 00-1522 EA Fabricate 114" (Or 137" x 87" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,198.36	
33 42 11 00-1523 EA Fabricate 120" (Or 142" x 91" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,267.04	
33 42 11 00-1524 EA Fabricate 126" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,339.45	
33 42 11 00-1525 EA Fabricate 132" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,415.99	
33 42 11 00-1526 EA Fabricate 138" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,496.90	

**33 42 11 00-1527**

**Fabricate Corrugated Steel Pipe Tees Or Laterals** (33 42 11 00-1498)

Note: Fabrication charge excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.

33 42 11 00-1528 EA Fabricate 6" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	63.28	
33 42 11 00-1529 EA Fabricate 8" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	81.03	
33 42 11 00-1530 EA Fabricate 10" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	98.76	
33 42 11 00-1531 EA Fabricate 12" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	116.53	
33 42 11 00-1532 EA Fabricate 15" (Or 17" x 13" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	141.98	
33 42 11 00-1533 EA Fabricate 18" (Or 21" x 15" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	168.21	
33 42 11 00-1534 EA Fabricate 21" (Or 24" x 18" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	194.47	
33 42 11 00-1535 EA Fabricate 24" (Or 28" x 20" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	220.68	
33 42 11 00-1536 EA Fabricate 30" (Or 35" x 24" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	289.36	
33 42 11 00-1537 EA Fabricate 36" (Or 42" x 29" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	344.92	
33 42 11 00-1538 EA Fabricate 42" (Or 49" x 33" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	401.26	
33 42 11 00-1539 EA Fabricate 48" (Or 57" x 38" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	520.85	
33 42 11 00-1540 EA Fabricate 54" (Or 64" x 43" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	586.45	
33 42 11 00-1541 EA Fabricate 60" (Or 71" x 47" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	654.34	
33 42 11 00-1542 EA Fabricate 66" (Or 77" x 52" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	723.80	
33 42 11 00-1543 EA Fabricate 72" (Or 83" x 57" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	882.75	
33 42 11 00-1544 EA Fabricate 78" (Or 87" x 63" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	961.47	
33 42 11 00-1545 EA Fabricate 84" (Or 95" x 67" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,041.72	
33 42 11 00-1546 EA Fabricate 90" (Or 103" x 71" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	1,281.69	
33 42 11 00-1547 EA Fabricate 96" (Or 112" x 75" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	1,373.52	
33 42 11 00-1548 EA Fabricate 102" (Or 117" x 79" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	1,465.34	
33 42 11 00-1549 EA Fabricate 108" (Or 128" x 83" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	1,557.93	
33 42 11 00-1550 EA Fabricate 114" (Or 137" x 87" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	1,650.54	
33 42 11 00-1551 EA Fabricate 120" (Or 142" x 91" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	1,742.35	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 42 11 00-1552	EA	Fabricate 126" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 23' Of Appropriate Pipe)	1,839.28
33 42 11 00-1553	EA	Fabricate 132" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe)	1,941.60
33 42 11 00-1554	EA	Fabricate 138" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe)	2,049.60

**33 42 11 00-1555 Fabricate Skew Or Bevel Ends, Corrugated Steel Pipe Fitting (33 42 11 00-1498)**

Note: Applied to pipe tasks.

33 42 11 00-1556	EA	Fabricate 6" Skew Or Bevel End, Corrugated Steel Pipe Fitting	24.24
33 42 11 00-1557	EA	Fabricate 8" Skew Or Bevel End, Corrugated Steel Pipe Fitting	30.50
33 42 11 00-1558	EA	Fabricate 10" Skew Or Bevel End, Corrugated Steel Pipe Fitting	38.36
33 42 11 00-1559	EA	Fabricate 12" Skew Or Bevel End, Corrugated Steel Pipe Fitting	46.97
33 42 11 00-1560	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	59.43
33 42 11 00-1561	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	72.78
33 42 11 00-1562	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	85.25
33 42 11 00-1563	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	99.04
33 42 11 00-1564	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	121.65
33 42 11 00-1565	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	145.04
33 42 11 00-1566	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	173.06
33 42 11 00-1567	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	212.88
33 42 11 00-1568	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	240.96
33 42 11 00-1569	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	271.36
33 42 11 00-1570	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	329.07
33 42 11 00-1571	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	364.93
33 42 11 00-1572	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	445.25
33 42 11 00-1573	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	485.04
33 42 11 00-1574	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	527.16
33 42 11 00-1575	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	568.46
33 42 11 00-1576	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	610.58
33 42 11 00-1577	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	653.46
33 42 11 00-1578	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	695.59
33 42 11 00-1579	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	737.68
33 42 11 00-1580	EA	Fabricate 126" Skew Or Bevel End, Corrugated Steel Pipe Fitting	782.33
33 42 11 00-1581	EA	Fabricate 132" Skew Or Bevel End, Corrugated Steel Pipe Fitting	829.67
33 42 11 00-1582	EA	Fabricate 138" Skew Or Bevel End, Corrugated Steel Pipe Fitting	879.89

**33 42 11 00-1583 Saddles, Corrugated Steel Pipe Fitting (33 42 11 00-1498)**

33 42 11 00-1584	EA	6" Saddle, Corrugated Steel Pipe Fitting	159.84
33 42 11 00-1585	EA	8" Saddle, Corrugated Steel Pipe Fitting	180.21
33 42 11 00-1586	EA	10" Saddle, Corrugated Steel Pipe Fitting	207.01
33 42 11 00-1587	EA	12" Saddle, Corrugated Steel Pipe Fitting	253.48
33 42 11 00-1588	EA	15" Saddle, Corrugated Steel Pipe Fitting	313.52
33 42 11 00-1589	EA	18" Saddle, Corrugated Steel Pipe Fitting	374.83
33 42 11 00-1590	EA	21" Saddle, Corrugated Steel Pipe Fitting	473.33
33 42 11 00-1591	EA	24" Saddle, Corrugated Steel Pipe Fitting	563.06
33 42 11 00-1592	EA	30" Saddle, Corrugated Steel Pipe Fitting	707.36
33 42 11 00-1593	EA	36" Saddle, Corrugated Steel Pipe Fitting	913.67
33 42 11 00-1594	EA	42" Saddle, Corrugated Steel Pipe Fitting	1,079.52
33 42 11 00-1595	EA	48" Saddle, Corrugated Steel Pipe Fitting	1,270.14
33 42 11 00-1596	EA	54" Saddle, Corrugated Steel Pipe Fitting	1,511.75
33 42 11 00-1597	EA	60" Saddle, Corrugated Steel Pipe Fitting	1,792.79
33 42 11 00-1598	EA	66" Saddle, Corrugated Steel Pipe Fitting	2,041.59
33 42 11 00-1599	EA	72" Saddle, Corrugated Steel Pipe Fitting	2,275.34
33 42 11 00-1600	EA	78" Saddle, Corrugated Steel Pipe Fitting	2,668.13
33 42 11 00-1601	EA	84" Saddle, Corrugated Steel Pipe Fitting	2,947.93
33 42 11 00-1602	EA	90" Saddle, Corrugated Steel Pipe Fitting	3,492.45
33 42 11 00-1603	EA	96" Saddle, Corrugated Steel Pipe Fitting	3,861.44
33 42 11 00-1604	EA	102" Saddle, Corrugated Steel Pipe Fitting	4,382.77
33 42 11 00-1605	EA	108" Saddle, Corrugated Steel Pipe Fitting	4,975.16
33 42 11 00-1606	EA	114" Saddle, Corrugated Steel Pipe Fitting	5,647.08
33 42 11 00-1607	EA	120" Saddle, Corrugated Steel Pipe Fitting	6,409.09

**33 42 11 00-1608 Coupling Bands, Corrugated Metal Pipe Fitting (33 42 11 00-1498)**

33 42 11 00-1609	EA	6" Coupling Band, Corrugated Metal Pipe Fitting	9.79
		<i>For Bituminous Coated, Add</i>	2.84
33 42 11 00-1610	EA	8" Coupling Band, Corrugated Metal Pipe Fitting	13.00
		<i>For Bituminous Coated, Add</i>	3.77
33 42 11 00-1611	EA	10" Coupling Band, Corrugated Metal Pipe Fitting	16.38
		<i>For Bituminous Coated, Add</i>	4.75
33 42 11 00-1612	EA	12" Coupling Band, Corrugated Metal Pipe Fitting	27.18
		<i>For Bituminous Coated, Add</i>	7.88
33 42 11 00-1613	EA	15" Coupling Band, Corrugated Metal Pipe Fitting	34.27
		<i>For Bituminous Coated, Add</i>	9.94
33 42 11 00-1614	EA	18" Coupling Band, Corrugated Metal Pipe Fitting	50.29
		<i>For Bituminous Coated, Add</i>	14.58
33 42 11 00-1615	EA	21" Coupling Band, Corrugated Metal Pipe Fitting	59.68
		<i>For Bituminous Coated, Add</i>	17.31
33 42 11 00-1616	EA	24" Coupling Band, Corrugated Metal Pipe Fitting	67.68
		<i>For Bituminous Coated, Add</i>	19.63



	<b>Utilities</b>	<b>33</b>
	<b>Stormwater Utilities</b>	<b>33 40</b>
	<b>Stormwater Conveyance</b>	<b>33 42</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1617	EA		30" Coupling Band, Corrugated Metal Pipe Fitting ..... <i>For Bituminous Coated, Add</i>	117.12 33.96	
33 42 11 00-1618	EA		36" Coupling Band, Corrugated Metal Pipe Fitting ..... <i>For Bituminous Coated, Add</i>	187.38 44.97	
33 42 11 00-1619	EA		42" Coupling Band, Corrugated Metal Pipe Fitting ..... <i>For Bituminous Coated, Add</i>	220.17 52.84	
33 42 11 00-1620	EA		48" Coupling Band, Corrugated Metal Pipe Fitting ..... <i>For Bituminous Coated, Add</i>	246.70 59.21	
33 42 11 00-1621	EA		54" Coupling Band, Corrugated Metal Pipe Fitting ..... <i>For Bituminous Coated, Add</i>	349.86 83.97	
33 42 11 00-1622	EA		60" Coupling Band, Corrugated Metal Pipe Fitting ..... <i>For Bituminous Coated, Add</i>	500.41 90.07	
33 42 11 00-1623	EA		66" Coupling Band, Corrugated Metal Pipe Fitting ..... <i>For Bituminous Coated, Add</i>	615.00 110.70	
33 42 11 00-1624	EA		72" Coupling Band, Corrugated Metal Pipe Fitting ..... <i>For Bituminous Coated, Add</i>	790.00 110.60	
33 42 11 00-1625	EA		78" Coupling Band, Corrugated Metal Pipe Fitting ..... <i>For Bituminous Coated, Add</i>	844.96 118.29	
33 42 11 00-1626	EA		84" Coupling Band, Corrugated Metal Pipe Fitting ..... <i>For Bituminous Coated, Add</i>	900.23 126.03	
33 42 11 00-1627	EA		90" Coupling Band, Corrugated Metal Pipe Fitting ..... <i>For Bituminous Coated, Add</i>	955.21 133.73	
33 42 11 00-1628	EA		96" Coupling Band, Corrugated Metal Pipe Fitting ..... <i>For Bituminous Coated, Add</i>	1,010.34 141.45	
33 42 11 00-1629	EA		102" Coupling Band, Corrugated Metal Pipe Fitting ..... <i>For Bituminous Coated, Add</i>	1,065.61 149.19	
33 42 11 00-1630	EA		108" Coupling Band, Corrugated Metal Pipe Fitting ..... <i>For Bituminous Coated, Add</i>	1,120.62 156.89	
33 42 11 00-1631	EA		114" Coupling Band, Corrugated Metal Pipe Fitting ..... <i>For Bituminous Coated, Add</i>	1,327.25 159.27	
33 42 11 00-1632	EA		120" Coupling Band, Corrugated Metal Pipe Fitting ..... <i>For Bituminous Coated, Add</i>	1,230.56 147.67	
33 42 11 00-1633	EA		126" Coupling Band, Corrugated Metal Pipe Fitting ..... <i>For Bituminous Coated, Add</i>	1,285.41 154.25	
33 42 11 00-1634	EA		132" Coupling Band, Corrugated Metal Pipe Fitting ..... <i>For Bituminous Coated, Add</i>	1,340.65 160.88	
33 42 11 00-1635	EA		138" Coupling Band, Corrugated Metal Pipe Fitting ..... <i>For Bituminous Coated, Add</i>	1,395.94 167.51	
<b>33 42 11 00-1636</b>			<b>90 Degree Bends, Galvanized Corrugated Metal Pipe Fitting (33 42 11 00-1498)</b>		
33 42 11 00-1637	EA		12" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting .....	236.89	52.98
33 42 11 00-1638	EA		15" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting .....	289.29	66.22
33 42 11 00-1639	EA		18" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting .....	336.79	88.29
33 42 11 00-1640	EA		24" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting .....	467.32	123.61
33 42 11 00-1641	EA		30" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting .....	597.57	141.28
33 42 11 00-1642	EA		36" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting .....	814.61	159.83
33 42 11 00-1643	EA		42" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting .....	974.19	188.04
33 42 11 00-1644	EA		48" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting .....	1,118.40	188.04
33 42 11 00-1645	EA		54" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting .....	1,374.70	263.26
33 42 11 00-1646	EA		60" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting .....	1,583.98	263.26
33 42 11 00-1647	EA		66" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting .....	1,877.92	329.07
33 42 11 00-1648	EA		72" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting .....	2,021.44	350.21
<b>33 42 11 00-1649</b>			<b>Wyes Or Tees, Galvanized Corrugated Metal Pipe Fitting (33 42 11 00-1498)</b>		
33 42 11 00-1650	EA		12" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting.....	348.54	70.64
33 42 11 00-1651	EA		15" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting.....	400.14	88.29
33 42 11 00-1652	EA		18" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting.....	461.79	114.78
33 42 11 00-1653	EA		24" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting.....	674.12	158.93
33 42 11 00-1654	EA		30" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting.....	886.06	185.42
33 42 11 00-1655	EA		36" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting.....	1,200.12	216.24
33 42 11 00-1656	EA		42" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting.....	1,436.45	253.85
33 42 11 00-1657	EA		48" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting.....	1,682.55	253.85
33 42 11 00-1658	EA		54" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting.....	2,032.21	347.87
33 42 11 00-1659	EA		60" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting.....	2,319.23	347.87
33 42 11 00-1660	EA		66" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting.....	2,687.21	441.89
33 42 11 00-1661	EA		72" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting.....	2,854.64	470.09
<b>33 42 13</b>			<b>Stormwater Culverts (33 42)</b>		
<b>33 42 13 13</b>			<b>Precast Concrete Stormwater Culverts (33 42 13)</b>		
<b>33 42 13 13-0001</b>			<b>Precast Reinforced Concrete Box Culvert (33 42 13 13)</b>		
			Note: The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0926 for crane lifting equipment.		
33 42 13 13-0002	LF		3' x 3' Precast Reinforced Concrete Box Culvert .....	454.47	23.50
			<i>For Each LF Of Cut-Off Section, Add</i>	18.18	
33 42 13 13-0003	LF		4' x 2' Precast Reinforced Concrete Box Culvert .....	523.29	23.50
			<i>For Each LF Of Cut-Off Section, Add</i>	20.93	



**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 13 13-0004	LF		4' x 3' Precast Reinforced Concrete Box Culvert .....	634.45	23.50
			<i>For Each LF Of Cut-Off Section, Add</i>	25.38	
33 42 13 13-0005	LF		5' x 3' Precast Reinforced Concrete Box Culvert .....	757.32	29.38
			<i>For Each LF Of Cut-Off Section, Add</i>	30.29	
33 42 13 13-0006	LF		5' x 4' Precast Reinforced Concrete Box Culvert .....	778.50	29.38
			<i>For Each LF Of Cut-Off Section, Add</i>	31.14	
33 42 13 13-0007	LF		5' x 5' Precast Reinforced Concrete Box Culvert .....	789.08	29.38
			<i>For Each LF Of Cut-Off Section, Add</i>	31.56	
33 42 13 13-0008	LF		6' x 3' Precast Reinforced Concrete Box Culvert .....	812.61	30.56
			<i>For Each LF Of Cut-Off Section, Add</i>	32.50	
33 42 13 13-0009	LF		6' x 4' Precast Reinforced Concrete Box Culvert .....	817.90	30.56
			<i>For Each LF Of Cut-Off Section, Add</i>	32.72	
33 42 13 13-0010	LF		6' x 6' Precast Reinforced Concrete Box Culvert .....	913.18	30.56
			<i>For Each LF Of Cut-Off Section, Add</i>	36.53	
33 42 13 13-0011	LF		7' x 4' Precast Reinforced Concrete Box Culvert .....	922.55	35.25
			<i>For Each LF Of Cut-Off Section, Add</i>	36.90	
33 42 13 13-0012	LF		7' x 6' Precast Reinforced Concrete Box Culvert .....	947.85	47.95
			<i>For Each LF Of Cut-Off Section, Add</i>	37.91	
33 42 13 13-0013	LF		8' x 2' Precast Reinforced Concrete Box Culvert .....	918.48	30.56
			<i>For Each LF Of Cut-Off Section, Add</i>	36.74	
33 42 13 13-0014	LF		8' x 3' Precast Reinforced Concrete Box Culvert .....	927.85	35.25
			<i>For Each LF Of Cut-Off Section, Add</i>	37.11	
33 42 13 13-0015	LF		8' x 4' Precast Reinforced Concrete Box Culvert .....	943.73	35.25
			<i>For Each LF Of Cut-Off Section, Add</i>	37.75	
33 42 13 13-0016	LF		8' x 5' Precast Reinforced Concrete Box Culvert .....	1,121.73	47.01
			<i>For Each LF Of Cut-Off Section, Add</i>	44.87	
33 42 13 13-0017	LF		8' x 6' Precast Reinforced Concrete Box Culvert .....	1,125.96	47.01
			<i>For Each LF Of Cut-Off Section, Add</i>	45.04	
33 42 13 13-0018	LF		8' x 8' Precast Reinforced Concrete Box Culvert .....	1,220.33	58.77
			<i>For Each LF Of Cut-Off Section, Add</i>	48.81	
33 42 13 13-0019	LF		9' x 4' Precast Reinforced Concrete Box Culvert .....	1,258.30	47.01
			<i>For Each LF Of Cut-Off Section, Add</i>	50.33	
33 42 13 13-0020	LF		9' x 6' Precast Reinforced Concrete Box Culvert .....	1,297.61	58.77
			<i>For Each LF Of Cut-Off Section, Add</i>	51.90	
33 42 13 13-0021	LF		10' x 3' Precast Reinforced Concrete Box Culvert .....	1,302.90	58.77
			<i>For Each LF Of Cut-Off Section, Add</i>	52.12	
33 42 13 13-0022	LF		10' x 4' Precast Reinforced Concrete Box Culvert .....	1,631.10	58.77
			<i>For Each LF Of Cut-Off Section, Add</i>	65.24	
33 42 13 13-0023	LF		10' x 5' Precast Reinforced Concrete Box Culvert .....	1,675.71	70.52
			<i>For Each LF Of Cut-Off Section, Add</i>	67.03	
33 42 13 13-0024	LF		10' x 6' Precast Reinforced Concrete Box Culvert .....	1,696.88	70.52
			<i>For Each LF Of Cut-Off Section, Add</i>	67.88	
33 42 13 13-0025	LF		10' x 7' Precast Reinforced Concrete Box Culvert .....	1,702.17	70.52
			<i>For Each LF Of Cut-Off Section, Add</i>	68.09	
33 42 13 13-0026	LF		10' x 8' Precast Reinforced Concrete Box Culvert .....	1,709.58	70.52
			<i>For Each LF Of Cut-Off Section, Add</i>	68.38	
33 42 13 13-0027	LF		12' x 3' Precast Reinforced Concrete Box Culvert .....	1,741.49	82.27
			<i>For Each LF Of Cut-Off Section, Add</i>	69.66	
33 42 13 13-0028	LF		12' x 4' Precast Reinforced Concrete Box Culvert .....	1,741.49	82.27
			<i>For Each LF Of Cut-Off Section, Add</i>	69.66	
33 42 13 13-0029	LF		12' x 6' Precast Reinforced Concrete Box Culvert .....	1,741.49	82.27
			<i>For Each LF Of Cut-Off Section, Add</i>	69.66	
33 42 13 13-0030	LF		12' x 8' Precast Reinforced Concrete Box Culvert .....	1,741.49	82.27
			<i>For Each LF Of Cut-Off Section, Add</i>	69.66	
33 42 13 13-0031	LF		16' x 10' Precast Reinforced Concrete Box Culvert .....	2,633.06	94.02
			<i>For Each LF Of Cut-Off Section, Add</i>	105.32	
33 42 13 13-0032	LF		24' x 10' Precast Reinforced Concrete Box Culvert .....	3,797.63	94.02
			<i>For Each LF Of Cut-Off Section, Add</i>	151.91	
<b>33 42 13 13-0033</b>			<b>Precast Reinforced Concrete Box Culvert For Roadways</b> <small>(33 42 13 13)</small>		
			Note: AASHTO HL-93 Rated. The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0926 for crane lifting equipment.		
33 42 13 13-0034	LF		3' x 3' Precast Reinforced Concrete Box Culvert For Roadways .....	1,264.90	23.50
			<i>For Each LF Of Cut-Off Section, Add</i>	50.60	
33 42 13 13-0035	LF		4' x 2' Precast Reinforced Concrete Box Culvert For Roadways .....	1,366.59	23.50
			<i>For Each LF Of Cut-Off Section, Add</i>	54.66	
33 42 13 13-0036	LF		4' x 3' Precast Reinforced Concrete Box Culvert For Roadways .....	1,546.56	23.50
			<i>For Each LF Of Cut-Off Section, Add</i>	61.86	
33 42 13 13-0037	LF		5' x 3' Precast Reinforced Concrete Box Culvert For Roadways .....	1,738.20	29.38
			<i>For Each LF Of Cut-Off Section, Add</i>	69.53	
33 42 13 13-0038	LF		5' x 4' Precast Reinforced Concrete Box Culvert For Roadways .....	1,918.17	29.38
			<i>For Each LF Of Cut-Off Section, Add</i>	76.73	
33 42 13 13-0039	LF		5' x 5' Precast Reinforced Concrete Box Culvert For Roadways .....	2,098.13	29.38
			<i>For Each LF Of Cut-Off Section, Add</i>	83.93	
33 42 13 13-0040	LF		6' x 3' Precast Reinforced Concrete Box Culvert For Roadways .....	1,920.52	30.56
			<i>For Each LF Of Cut-Off Section, Add</i>	76.82	
33 42 13 13-0041	LF		6' x 4' Precast Reinforced Concrete Box Culvert For Roadways .....	2,100.48	30.56
			<i>For Each LF Of Cut-Off Section, Add</i>	84.02	
33 42 13 13-0042	LF		6' x 6' Precast Reinforced Concrete Box Culvert For Roadways .....	2,460.42	30.56
			<i>For Each LF Of Cut-Off Section, Add</i>	98.42	



<b>Utilities</b>	<b>33</b>	<b>33</b>
<b>Stormwater Utilities</b>	<b>33 40</b>	
<b>Stormwater Conveyance</b>	<b>33 42</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 13 13-0043 LF 7' x 4' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	2,289.82 91.59	35.25
33 42 13 13-0044 LF 7' x 6' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	2,675.02 107.00	47.95
33 42 13 13-0045 LF 8' x 2' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	2,100.48 84.02	30.56
33 42 13 13-0046 LF 8' x 3' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	2,289.82 91.59	35.25
33 42 13 13-0047 LF 8' x 4' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	2,469.79 98.79	35.25
33 42 13 13-0048 LF 8' x 4' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	2,673.15 106.93	47.01
33 42 13 13-0049 LF 8' x 6' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	2,853.12 114.12	47.01
33 42 13 13-0050 LF 8' x 8' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	3,236.48 129.46	58.77
33 42 13 13-0051 LF 9' x 4' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	2,882.57 115.30	47.01
33 42 13 13-0052 LF 9' x 6' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	3,290.64 131.63	58.77
33 42 13 13-0053 LF 10' x 3' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	3,251.48 130.06	58.77
33 42 13 13-0054 LF 10' x 4' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	3,465.18 138.61	58.77
33 42 13 13-0055 LF 10' x 5' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	3,702.30 148.09	70.52
33 42 13 13-0056 LF 10' x 6' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	3,916.00 156.64	70.52
33 42 13 13-0057 LF 10' x 7' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	4,129.73 165.19	70.52
33 42 13 13-0058 LF 10' x 8' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	4,343.43 173.74	70.52
33 42 13 13-0059 LF 12' x 3' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	4,294.15 171.77	82.27
33 42 13 13-0060 LF 12' x 4' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	4,537.05 181.48	82.27
33 42 13 13-0061 LF 12' x 6' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	5,022.95 200.92	82.27
33 42 13 13-0062 LF 12' x 8' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	5,508.86 220.35	82.27
33 42 13 13-0063 LF 16' x 10' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	6,612.05 264.48	94.02
33 42 13 13-0064 LF 24' x 10' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	8,447.65 337.91	94.02

**33 42 23 Headwalls and Endwalls for Stormwater Piping (33 42)**

**33 42 23 00-0001 Headwalls (33 42 23)**

Note: Excludes excavation and backfill. Select pipe with closest opening area for square or round culverts.

**33 42 23 00-0002 Cast In Place Concrete Headwalls (33 42 23 00-0001)**

Note: Includes concrete, forms, rebar (where required), finish and curing.

**33 42 23 00-0003 Skewed Wingwall, Cast In Place Concrete Headwall (33 42 23 00-0002)**

Note: Sized by pipe diameter.

33 42 23 00-0004 EA 12" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall .....	749.33	284.49
33 42 23 00-0005 EA 15" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall .....	939.85	303.46
33 42 23 00-0006 EA 18" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall .....	1,236.18	397.48
33 42 23 00-0007 EA 24" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall .....	1,965.15	568.98
33 42 23 00-0008 EA 30" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall .....	2,746.27	758.64
33 42 23 00-0009 EA 36" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall .....	3,170.12	999.97
33 42 23 00-0010 EA 42" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall .....	4,292.01	1,379.33
33 42 23 00-0011 EA 48" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall .....	5,109.69	1,625.62
33 42 23 00-0012 EA 54" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall .....	6,136.96	1,979.07
33 42 23 00-0013 EA 60" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall .....	7,339.12	2,395.68

**33 42 23 00-0014 Precast Concrete Headwalls (33 42 23 00-0001)**

33 42 23 00-0015 EA 12" Pipe, Precast Concrete Headwall .....	488.64	79.47
33 42 23 00-0016 EA 15" Pipe, Precast Concrete Headwall .....	501.88	83.88
33 42 23 00-0017 EA 18" Pipe, Precast Concrete Headwall .....	550.91	95.36
33 42 23 00-0018 EA 24" Pipe, Precast Concrete Headwall .....	610.95	101.54
33 42 23 00-0019 EA 30" Pipe, Precast Concrete Headwall .....	842.74	119.20
33 42 23 00-0020 EA 36" Pipe, Precast Concrete Headwall .....	940.81	123.61
33 42 23 00-0021 EA 42" Pipe, Precast Concrete Headwall .....	1,250.59	145.07
33 42 23 00-0022 EA 48" Pipe, Precast Concrete Headwall .....	1,386.63	159.83
33 42 23 00-0023 EA 54" Pipe, Precast Concrete Headwall .....	1,535.10	169.24
33 42 23 00-0024 EA 60" Pipe, Precast Concrete Headwall .....	1,750.78	169.24
33 42 23 00-0025 EA 72" Pipe, Precast Concrete Headwall .....	2,144.49	211.54
33 42 23 00-0026 EA 84" Pipe, Precast Concrete Headwall .....	3,085.12	253.85

**33 42 23 00-0027 Precast Concrete Wingwalls (33 42 23 00-0001)**

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 23 00-0028 EA 18" ID Pipe (26" Hole) Precast Concrete Wingwall..... Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	2,954.13	837.71
33 42 23 00-0029 EA 24" ID Pipe (32" Hole) Precast Concrete Wingwall..... Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	3,095.15	930.78
33 42 23 00-0030 EA 30" ID Pipe (42" Hole) Precast Concrete Wingwall..... Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	3,330.20	1,085.92
33 42 23 00-0031 EA 33" ID Pipe (46" Hole) Precast Concrete Wingwall..... Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.	3,565.25	1,241.05
33 42 23 00-0032 EA 36" ID Pipe (50" Hole) Precast Concrete Wingwall..... Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	3,565.25	1,241.05
33 42 23 00-0033 EA 44" ID Pipe (58" Hole) Precast Concrete Wingwall..... Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	3,659.26	1,303.10
33 42 23 00-0034 EA 48" ID Pipe (62" Hole) Precast Concrete Wingwall..... Note: 12" thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	7,040.98	1,334.12
33 42 23 00-0035 EA 52" ID Pipe (66" Hole) Precast Concrete Wingwall..... Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.	7,182.00	1,427.20
<b>33 42 23 00-0036 Precast Concrete Transverse Drainage Interceptor (33 42 23 00-0001)</b>		
33 42 23 00-0037 EA 34" x 48" x 28" Precast Concrete Transverse Drainage Interceptor With Frame And Gate.....	2,976.52	329.07
<b>33 42 26 End Sections for Stormwater Piping (33 42)</b>		
<b>33 42 26 16 Corrugated Metal End Sections for Stormwater Piping (33 42 26)</b>		
33 42 26 16-0001 Corrugated Metal Pipe End Sections (33 42 26 16)		
33 42 26 16-0002 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0001)		
33 42 26 16-0003 Type 1 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002) Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0004 EA 12" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	161.03	30.90
33 42 26 16-0005 EA 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	190.32	33.11
33 42 26 16-0006 EA 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	226.37	35.32
33 42 26 16-0007 EA 21" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	279.31	38.63
33 42 26 16-0008 EA 24" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	310.46	41.94
33 42 26 16-0009 Type 2 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002) Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0010 EA 30" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	525.74	47.46
33 42 26 16-0011 EA 36" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	686.75	56.41
33 42 26 16-0012 EA 42" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,083.18	65.81
33 42 26 16-0013 EA 48" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,329.69	75.22
33 42 26 16-0014 EA 54" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,578.49	94.02
33 42 26 16-0015 EA 60" 10 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,839.65	112.82
33 42 26 16-0016 Type 3 Or 5 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002) Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0017 EA 12" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	169.90	30.90
33 42 26 16-0018 EA 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	199.43	33.11
33 42 26 16-0019 EA 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	240.38	35.32
33 42 26 16-0020 EA 21" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	296.13	38.63
33 42 26 16-0021 EA 24" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	329.54	41.94
33 42 26 16-0022 EA 30" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	584.33	47.46
33 42 26 16-0023 EA 36" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	761.25	56.41
33 42 26 16-0024 EA 42" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,242.03	65.81
33 42 26 16-0025 EA 48" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,534.69	75.22
33 42 26 16-0026 EA 54" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,785.80	94.02
33 42 26 16-0027 EA 60" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	2,496.24	112.82
33 42 26 16-0028 EA 66" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	2,782.09	169.24
33 42 26 16-0029 EA 72" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,221.51	225.65
33 42 26 16-0030 EA 78" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,513.62	242.10
33 42 26 16-0031 EA 84" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,813.39	258.55
33 42 26 16-0032 Toe Plate Extensions For Galvanized Corrugated Steel Pipe End Section (33 42 26 16-0002)		
33 42 26 16-0033 EA Toe Plate Extension For 12" Diameter Galvanized Corrugated Steel Pipe End Section.....	22.86	
33 42 26 16-0034 EA Toe Plate Extension For 15" Diameter Galvanized Corrugated Steel Pipe End Section.....	25.73	
33 42 26 16-0035 EA Toe Plate Extension For 18" Diameter Galvanized Corrugated Steel Pipe End Section.....	29.27	
33 42 26 16-0036 EA Toe Plate Extension For 21" Diameter Galvanized Corrugated Steel Pipe End Section.....	31.85	
33 42 26 16-0037 EA Toe Plate Extension For 24" Diameter Galvanized Corrugated Steel Pipe End Section.....	35.79	
33 42 26 16-0038 EA Toe Plate Extension For 30" Diameter Galvanized Corrugated Steel Pipe End Section.....	64.11	
33 42 26 16-0039 EA Toe Plate Extension For 36" Diameter Galvanized Corrugated Steel Pipe End Section.....	68.93	
33 42 26 16-0040 EA Toe Plate Extension For 42" Diameter Galvanized Corrugated Steel Pipe End Section.....	96.08	
33 42 26 16-0041 EA Toe Plate Extension For 48" Diameter Galvanized Corrugated Steel Pipe End Section.....	102.48	
33 42 26 16-0042 EA Toe Plate Extension For 54" Diameter Galvanized Corrugated Steel Pipe End Section.....	125.67	
33 42 26 16-0043 EA Toe Plate Extension For 60" Diameter Galvanized Corrugated Steel Pipe End Section.....	128.20	
33 42 26 16-0044 EA Toe Plate Extension For 66" Diameter Galvanized Corrugated Steel Pipe End Section.....	135.67	
33 42 26 16-0045 EA Toe Plate Extension For 72" Diameter Galvanized Corrugated Steel Pipe End Section.....	150.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0046 EA Toe Plate Extension For 78" Diameter Galvanized Corrugated Steel Pipe End Section .....	168.83	
33 42 26 16-0047 EA 84" Diameter Galvanized Corrugated Steel Pipe End Section Toe Plate Extension.....	172.16	
<b>33 42 26 16-0048 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0001)</b>		
<b>33 42 26 16-0049 Type 1 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0048)</b>		
Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0050 EA 17" x 13" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section .....	190.32	33.11
33 42 26 16-0051 EA 21" x 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section .....	226.37	35.32
33 42 26 16-0052 EA 24" x 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section .....	279.31	38.63
33 42 26 16-0053 EA 28" x 20" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section .....	310.46	41.94
<b>33 42 26 16-0054 Type 2 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0048)</b>		
Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0055 EA 17" x 13" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section .....	182.66	33.11
33 42 26 16-0056 EA 21" x 15" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section .....	212.21	35.32
33 42 26 16-0057 EA 24" x 18" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section .....	238.78	38.63
33 42 26 16-0058 EA 28" x 20" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section .....	271.77	41.94
33 42 26 16-0059 EA 35" x 24" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section .....	415.43	47.46
33 42 26 16-0060 EA 42" x 29" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section .....	622.21	56.41
33 42 26 16-0061 EA 49" x 33" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section .....	995.98	65.81
33 42 26 16-0062 EA 57" x 38" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section .....	1,271.58	75.22
<b>33 42 26 16-0063 Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0048)</b>		
Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0064 EA 17" x 13" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	186.55	33.11
33 42 26 16-0065 EA 21" x 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	220.65	35.32
33 42 26 16-0066 EA 24" x 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	251.98	38.63
33 42 26 16-0067 EA 28" x 20" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	287.42	41.94
33 42 26 16-0068 EA 35" x 24" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	442.03	47.46
33 42 26 16-0069 EA 42" x 29" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	658.48	56.41
33 42 26 16-0070 EA 49" x 33" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	1,054.00	65.81
33 42 26 16-0071 EA 57" x 38" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	1,338.36	75.22
33 42 26 16-0072 EA 64" x 43" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	1,605.93	94.02
33 42 26 16-0073 EA 71" x 47" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	2,124.54	112.82
33 42 26 16-0074 EA 77" x 52" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	2,950.58	169.24
33 42 26 16-0075 EA 83" x 57" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	3,219.25	225.65
<b>33 42 26 16-0076 Toe Plate Extensions For Galvanized Corrugated Steel Pipe-Arch End Section (33 42 26 16-0048)</b>		
33 42 26 16-0077 EA Toe Plate Extension For 17" x 13" Galvanized Corrugated Steel Pipe-Arch End Section .....	25.73	
33 42 26 16-0078 EA Toe Plate Extension For 21" x 15" Galvanized Corrugated Steel Pipe-Arch End Section .....	29.27	
33 42 26 16-0079 EA Toe Plate Extension For 24" x 18" Galvanized Corrugated Steel Pipe-Arch End Section .....	31.85	
33 42 26 16-0080 EA Toe Plate Extension For 28" x 20" Galvanized Corrugated Steel Pipe-Arch End Section .....	35.79	
33 42 26 16-0081 EA Toe Plate Extension For 35" x 24" Galvanized Corrugated Steel Pipe-Arch End Section .....	64.11	
33 42 26 16-0082 EA Toe Plate Extension For 42" x 29" Galvanized Corrugated Steel Pipe-Arch End Section .....	68.93	
33 42 26 16-0083 EA Toe Plate Extension For 49" x 33" Galvanized Corrugated Steel Pipe-Arch End Section .....	96.08	
33 42 26 16-0084 EA Toe Plate Extension For 57" x 38" Galvanized Corrugated Steel Pipe-Arch End Section .....	106.87	
33 42 26 16-0085 EA Toe Plate Extension For 64" x 43" Galvanized Corrugated Steel Pipe-Arch End Section .....	125.67	
33 42 26 16-0086 EA Toe Plate Extension For 71" x 47" Galvanized Corrugated Steel Pipe-Arch End Section .....	129.94	
33 42 26 16-0087 EA Toe Plate Extension For 77" x 52" Galvanized Corrugated Steel Pipe-Arch End Section .....	149.91	
33 42 26 16-0088 EA Toe Plate Extension For 83" x 57" Galvanized Corrugated Steel Pipe-Arch End Section .....	166.36	
<b>33 42 26 16-0089 Corrugated Aluminum Pipe End Sections (33 42 26 16-0001)</b>		
<b>33 42 26 16-0090 Corrugated Aluminum Pipe End Sections (33 42 26 16-0089)</b>		
33 42 26 16-0091 EA 12" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section .....	264.06	30.90
33 42 26 16-0092 EA 15" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section .....	307.63	33.11
33 42 26 16-0093 EA 18" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section .....	369.93	35.32
33 42 26 16-0094 EA 21" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section .....	465.42	38.63
33 42 26 16-0095 EA 24" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section .....	619.14	41.94
33 42 26 16-0096 EA 30" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section .....	948.88	47.46
33 42 26 16-0097 EA 36" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section .....	1,300.80	56.41
33 42 26 16-0098 EA 36" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section .....	1,637.89	56.41
33 42 26 16-0099 EA 42" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section .....	2,097.33	65.81
33 42 26 16-0100 EA 48" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section .....	3,018.75	75.22
33 42 26 16-0101 EA 54" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section .....	3,329.38	94.02
33 42 26 16-0102 EA 60" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	4,506.22	112.82
33 42 26 16-0103 EA 66" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	5,048.08	169.24
33 42 26 16-0104 EA 72" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	5,867.00	225.65
33 42 26 16-0105 EA 78" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	6,413.62	242.10
33 42 26 16-0106 EA 84" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	6,763.38	258.55
33 42 26 16-0107 EA 90" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	9,349.60	282.05
33 42 26 16-0108 EA 96" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	10,359.40	305.56

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0109			<b>Toe Plate Extensions For Corrugated Aluminum Pipe End Section</b> (33 42 26 16-0089)		
33 42 26 16-0110	EA		Toe Plate Extension For 12" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section.....	41.36	
33 42 26 16-0111	EA		Toe Plate Extension For 15" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section.....	44.03	
33 42 26 16-0112	EA		Toe Plate Extension For 18" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section.....	48.10	
33 42 26 16-0113	EA		Toe Plate Extension For 21" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section.....	54.49	
33 42 26 16-0114	EA		Toe Plate Extension For 24" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section.....	57.61	
33 42 26 16-0115	EA		Toe Plate Extension For 30" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section.....	74.18	
33 42 26 16-0116	EA		Toe Plate Extension For 36" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section.....	86.94	
33 42 26 16-0117	EA		Toe Plate Extension For 36" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section.....	92.57	
33 42 26 16-0118	EA		Toe Plate Extension For 42" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section.....	101.62	
33 42 26 16-0119	EA		Toe Plate Extension For 48" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section.....	114.91	
33 42 26 16-0120	EA		Toe Plate Extension For 54" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section.....	136.52	
33 42 26 16-0121	EA		Toe Plate Extension For 60" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	197.50	
33 42 26 16-0122	EA		Toe Plate Extension For 66" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	209.97	
33 42 26 16-0123	EA		Toe Plate Extension For 72" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	260.41	
33 42 26 16-0124	EA		Toe Plate Extension For 78" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	281.10	
33 42 26 16-0125	EA		Toe Plate Extension For 84" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	299.27	
33 42 26 16-0126	EA		Toe Plate Extension For 90" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	318.52	
33 42 26 16-0127	EA		Toe Plate Extension For 96" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	337.80	
33 42 26 16-0128			<b>Corrugated Aluminum Pipe-Arch End Sections</b> (33 42 26 16-0001)		
33 42 26 16-0129			<b>Corrugated Aluminum Pipe-Arch End Sections</b> (33 42 26 16-0128)		
33 42 26 16-0130	EA		17" x 13" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	318.53	33.11
33 42 26 16-0131	EA		21" x 15" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	396.49	35.32
33 42 26 16-0132	EA		24" x 18" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	430.20	38.63
33 42 26 16-0133	EA		28" x 20" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	463.87	41.94
33 42 26 16-0134	EA		35" x 24" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	715.98	47.46
33 42 26 16-0135	EA		42" x 29" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	1,316.30	56.41
33 42 26 16-0136	EA		42" x 29" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	1,401.76	56.41
33 42 26 16-0137	EA		49" x 33" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	1,886.54	65.81
33 42 26 16-0138	EA		57" x 38" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	2,936.66	75.22
33 42 26 16-0139	EA		64" x 43" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	3,351.66	94.02
33 42 26 16-0140	EA		71" x 47" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	4,053.61	112.82
33 42 26 16-0141	EA		77" x 52" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	6,817.26	169.24
33 42 26 16-0142	EA		83" x 57" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	7,090.55	225.65
33 42 26 16-0143	EA		87" x 63" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	7,725.21	242.10
33 42 26 16-0144	EA		95" x 67" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	8,055.28	258.55
33 42 26 16-0145	EA		103" x 71" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	8,779.98	282.05
33 42 26 16-0146	EA		112" x 75" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	9,292.23	305.56
33 42 26 16-0147			<b>Toe Plate Extensions For Corrugated Aluminum Pipe-Arch End Section</b> (33 42 26 16-0128)		
33 42 26 16-0148	EA		Toe Plate Extension For 17" x 13", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	44.03	
33 42 26 16-0149	EA		Toe Plate Extension For 21" x 15", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	48.10	
33 42 26 16-0150	EA		Toe Plate Extension For 24" x 18", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	50.55	
33 42 26 16-0151	EA		Toe Plate Extension For 28" x 20", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	55.45	
33 42 26 16-0152	EA		Toe Plate Extension For 35" x 24", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	61.80	
33 42 26 16-0153	EA		Toe Plate Extension For 42" x 29", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	79.82	
33 42 26 16-0154	EA		Toe Plate Extension For 42" x 29", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	88.80	
33 42 26 16-0155	EA		Toe Plate Extension For 49" x 33", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	101.62	
33 42 26 16-0156	EA		Toe Plate Extension For 57" x 38", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	114.91	
33 42 26 16-0157	EA		Toe Plate Extension For 64" x 43", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	136.52	
33 42 26 16-0158	EA		Toe Plate Extension For 71" x 47", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	177.53	
33 42 26 16-0159	EA		Toe Plate Extension For 77" x 52", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	226.69	
33 42 26 16-0160	EA		Toe Plate Extension For 83" x 57", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	302.20	
33 42 26 16-0161	EA		Toe Plate Extension For 87" x 63", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	344.71	
33 42 26 16-0162	EA		Toe Plate Extension For 95" x 67", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	359.94	
33 42 26 16-0163	EA		Toe Plate Extension For 103" x 71", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	371.76	
33 42 26 16-0164	EA		Toe Plate Extension For 112" x 75", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	386.70	
33 42 26 16-0165			<b>Low Slope Corrugated Steel Pipe End Sections And Accessories</b> (33 42 26 16-0001)		
33 42 26 16-0166			<b>4:1 Corrugated Steel Pipe End Sections</b> (33 42 26 16-0165)		
33 42 26 16-0167	EA		15" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	423.16	33.11
33 42 26 16-0168	EA		18" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	555.13	35.32
33 42 26 16-0169	EA		21" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	686.12	38.63
33 42 26 16-0170	EA		24" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	826.74	41.94
33 42 26 16-0171	EA		30" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	870.40	47.46
33 42 26 16-0172	EA		36" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	1,143.07	56.41
33 42 26 16-0173	EA		42" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	1,844.43	65.81
33 42 26 16-0174			<b>3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe End Sections</b> (33 42 26 16-0165)		
			Note: Includes nut and bolt set.		
33 42 26 16-0175	EA		3" Diameter Parallel Safety Bar For 15" 4:1 Corrugated Steel Pipe End Section.....	311.39	
33 42 26 16-0176	EA		3" Diameter Parallel Safety Bar For 18" 4:1 Corrugated Steel Pipe End Section.....	646.06	



	<b>Utilities</b>	<b>33</b>
	<b>Stormwater Utilities</b>	<b>33 40</b>
	<b>Stormwater Conveyance</b>	<b>33 42</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0177 EA 3" Diameter Parallel Safety Bar For 21" 4:1 Corrugated Steel Pipe End Section .....	709.06	
33 42 26 16-0178 EA 3" Diameter Parallel Safety Bar For 24" 4:1 Corrugated Steel Pipe End Section .....	735.92	
<b>33 42 26 16-0179 6:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)</b>		
33 42 26 16-0180 EA 15" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....	445.30	33.11
33 42 26 16-0181 EA 18" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....	594.94	35.32
33 42 26 16-0182 EA 21" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....	803.28	38.63
33 42 26 16-0183 EA 24" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....	948.51	41.94
33 42 26 16-0184 EA 30" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....	1,128.90	47.46
33 42 26 16-0185 EA 36" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....	1,371.23	56.41
33 42 26 16-0186 EA 42" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....	2,129.89	65.81
<b>33 42 26 16-0187 3" Diameter Parallel Safety Bar For 6:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)</b>		
Note: Includes nut and bolt set.		
33 42 26 16-0188 EA 3" Diameter Parallel Safety Bar For 15" 6:1 Corrugated Steel Pipe End Section .....	622.06	
33 42 26 16-0189 EA 3" Diameter Parallel Safety Bar For 18" 6:1 Corrugated Steel Pipe End Section .....	658.20	
33 42 26 16-0190 EA 3" Diameter Parallel Safety Bar For 21" 6:1 Corrugated Steel Pipe End Section .....	723.41	
33 42 26 16-0191 EA 3" Diameter Parallel Safety Bar For 24" 6:1 Corrugated Steel Pipe End Section .....	755.79	
<b>33 42 26 16-0192 Toe Plate Extensions For Low Slope Corrugated Steel Pipe End Section (33 42 26 16-0165)</b>		
33 42 26 16-0193 EA Toe Plate Extension For 15" Low Slope Corrugated Steel Pipe End Section .....	49.89	
33 42 26 16-0194 EA Toe Plate Extension For 18" Low Slope Corrugated Steel Pipe End Section .....	56.61	
33 42 26 16-0195 EA Toe Plate Extension For 21" Low Slope Corrugated Steel Pipe End Section .....	61.68	
33 42 26 16-0196 EA Toe Plate Extension For 24" Low Slope Corrugated Steel Pipe End Section .....	69.12	
33 42 26 16-0197 EA Toe Plate Extension For 30" Low Slope Corrugated Steel Pipe End Section .....	108.81	
33 42 26 16-0198 EA Toe Plate Extension For 36" Low Slope Corrugated Steel Pipe End Section .....	116.81	
33 42 26 16-0199 EA Toe Plate Extension For 42" Low Slope Corrugated Steel Pipe End Section .....	159.34	
<b>33 42 26 16-0200 Low Slope Corrugated Steel Pipe-Arch End Sections And Accessories (33 42 26 16-0001)</b>		
<b>33 42 26 16-0201 4:1 Corrugated Steel Pipe-Arch End Section (33 42 26 16-0200)</b>		
33 42 26 16-0202 EA 21" x 15" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section .....	508.50	35.32
33 42 26 16-0203 EA 24" x 18" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section .....	645.96	38.63
33 42 26 16-0204 EA 28" x 20" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section .....	769.86	41.94
33 42 26 16-0205 EA 35" x 24" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section .....	1,494.92	47.46
<b>33 42 26 16-0206 3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe-Arch End Sections (33 42 26 16-0200)</b>		
Note: Includes nut and bolt set.		
33 42 26 16-0207 EA 3" Diameter Parallel Safety Bar For 21" x 15" 4:1 Corrugated Steel Pipe-Arch End Section .....	373.90	
33 42 26 16-0208 EA 3" Diameter Parallel Safety Bar For 24" x 18" 4:1 Corrugated Steel Pipe-Arch End Section .....	699.31	
33 42 26 16-0209 EA 3" Diameter Parallel Safety Bar For 28" x 20" 4:1 Corrugated Steel Pipe-Arch End Section .....	735.92	
33 42 26 16-0210 EA 3" Diameter Parallel Safety Bar For 35" x 24" 4:1 Corrugated Steel Pipe-Arch End Section .....	1,093.22	
<b>33 42 26 16-0211 Toe Plate Extensions For Low Slope Corrugated Steel Pipe-Arch End Section (33 42 26 16-0200)</b>		
33 42 26 16-0212 EA Toe Plate Extension For 21" x 15" Low Slope Corrugated Steel Pipe-Arch End Section .....	50.25	
33 42 26 16-0213 EA Toe Plate Extension For 24" x 18" Low Slope Corrugated Steel Pipe-Arch End Section .....	57.42	
33 42 26 16-0214 EA Toe Plate Extension For 28" x 20" Low Slope Corrugated Steel Pipe-Arch End Section .....	62.64	
33 42 26 16-0215 EA Toe Plate Extension For 35" x 24" Low Slope Corrugated Steel Pipe-Arch End Section .....	73.31	
<b>33 42 26 19 Corrugated High-Density Polyethylene (HDPE) End Sections for Stormwater Piping (33 42 26)</b>		
<b>33 42 26 19-0001 Corrugated High Density Polyethylene (HDPE) Pipe End Sections (33 42 26 19)</b>		
33 42 26 19-0002 EA 4" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	36.15	10.19
33 42 26 19-0003 EA 6" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	71.59	15.28
33 42 26 19-0004 EA 8" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	99.10	19.10
33 42 26 19-0005 EA 10" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	155.54	30.56
33 42 26 19-0006 EA 12" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	186.90	34.39
33 42 26 19-0007 EA 15" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	197.89	36.93
33 42 26 19-0008 EA 18" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	239.49	40.75
33 42 26 19-0009 EA 24" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	314.32	48.39
33 42 26 19-0010 EA 30" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	699.93	54.76
33 42 26 19-0011 EA 36" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	860.27	61.13
<b>33 42 26 23 Concrete End Sections for Stormwater Piping (33 42 26)</b>		
<b>33 42 26 23-0001 Precast Concrete End Sections (33 42 26 23)</b>		

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 42 26 23-000</b>			<b>Precast Concrete End Sections</b> (33 42 26 23-0001)		
33 42 26 23-0003	EA		12" Diameter Pipe, Precast Concrete End Section.....	426.18	51.79
33 42 26 23-0004	EA		15" Diameter Pipe, Precast Concrete End Section.....	576.20	64.10
33 42 26 23-0005	EA		18" Diameter Pipe, Precast Concrete End Section.....	712.07	81.14
33 42 26 23-0006	EA		21" Diameter Pipe, Precast Concrete End Section.....	814.18	97.04
33 42 26 23-0007	EA		24" Diameter Pipe, Precast Concrete End Section.....	858.31	112.31
33 42 26 23-0008	EA		27" Diameter Pipe, Precast Concrete End Section.....	1,069.99	140.08
33 42 26 23-0009	EA		30" Diameter Pipe, Precast Concrete End Section.....	1,310.40	210.41
33 42 26 23-0010	EA		36" Diameter Pipe, Precast Concrete End Section.....	1,613.57	265.51
33 42 26 23-0011	EA		42" Diameter Pipe, Precast Concrete End Section.....	1,943.14	333.06
33 42 26 23-0012	EA		48" Diameter Pipe, Precast Concrete End Section.....	2,121.51	375.60
33 42 26 23-0013	EA		54" Diameter Pipe, Precast Concrete End Section.....	2,305.60	420.73
33 42 26 23-0014	EA		60" Diameter Pipe, Precast Concrete End Section.....	2,494.01	467.75
33 42 26 23-0015	EA		66" Diameter Pipe Precast Concrete End Section.....	2,555.33	376.37
33 42 26 23-0016	EA		72" Diameter Pipe Precast Concrete End Section.....	2,896.80	470.45
33 42 26 23-0017	EA		78" Diameter Pipe Precast Concrete End Section.....	3,422.30	588.06
33 42 26 23-0018	EA		84" Diameter Pipe Precast Concrete End Section.....	4,041.99	705.68
<b>33 42 26 23-0019</b>			<b>Flared Precast Concrete End Sections</b> (33 42 26 23-0001)		
33 42 26 23-0020	EA		12" Diameter Pipe, Flared Precast Concrete End Section.....	543.27	54.77
33 42 26 23-0021	EA		15" Diameter Pipe, Flared Precast Concrete End Section.....	652.77	68.25
33 42 26 23-0022	EA		18" Diameter Pipe, Flared Precast Concrete End Section.....	789.79	86.41
33 42 26 23-0023	EA		21" Diameter Pipe, Flared Precast Concrete End Section.....	898.97	103.33
33 42 26 23-0024	EA		24" Diameter Pipe, Flared Precast Concrete End Section.....	1,101.89	119.60
33 42 26 23-0025	EA		27" Diameter Pipe, Flared Precast Concrete End Section.....	1,293.22	191.00
33 42 26 23-0026	EA		30" Diameter Pipe, Flared Precast Concrete End Section.....	1,296.49	262.97
33 42 26 23-0027	EA		36" Diameter Pipe, Flared Precast Concrete End Section.....	1,769.60	331.88
33 42 26 23-0028	EA		42" Diameter Pipe, Flared Precast Concrete End Section.....	2,109.71	416.40
33 42 26 23-0029	EA		48" Diameter Pipe, Flared Precast Concrete End Section.....	2,268.24	469.62
33 42 26 23-0030	EA		54" Diameter Pipe, Flared Precast Concrete End Section.....	2,536.55	525.98
33 42 26 23-0031	EA		60" Diameter Pipe, Flared Precast Concrete End Section.....	2,809.05	584.23
33 42 26 23-0032	EA		66" Diameter Pipe, Flared Precast Concrete End Section.....	3,282.96	673.13
33 42 26 23-0033	EA		72" Diameter Pipe, Flared Precast Concrete End Section.....	3,854.87	751.30
33 42 26 23-0034	EA		78" Diameter Pipe, Flared Precast Concrete End Section.....	4,376.45	845.18
33 42 26 23-0035	EA		84" Diameter Pipe, Flared Precast Concrete End Section.....	5,075.88	938.96
<b>33 42 26 23-0036</b>			<b>Elliptical Precast Concrete End Sections</b> (33 42 26 23-0001)		
33 42 26 23-0037	EA		14" x 23" Elliptical Precast Concrete End Section.....	954.80	86.41
33 42 26 23-0038	EA		18" x 24" Elliptical Precast Concrete End Section.....	1,084.93	103.33
33 42 26 23-0039	EA		19" x 30" Elliptical Precast Concrete End Section.....	1,332.47	119.60
33 42 26 23-0040	EA		22" x 34" Elliptical Precast Concrete End Section.....	1,544.83	191.00
33 42 26 23-0041	EA		24" x 38" Elliptical Precast Concrete End Section.....	1,521.89	262.97
33 42 26 23-0042	EA		27" x 42" Elliptical Precast Concrete End Section.....	1,804.67	297.57
33 42 26 23-0043	EA		29" x 45" Elliptical Precast Concrete End Section.....	2,087.43	331.88
33 42 26 23-0044	EA		34" x 53" Elliptical Precast Concrete End Section.....	2,480.86	416.40
33 42 26 23-0045	EA		38" x 60" Elliptical Precast Concrete End Section.....	2,659.03	469.62
33 42 26 23-0046	EA		43" x 68" Elliptical Precast Concrete End Section.....	2,973.26	525.98
33 42 26 23-0047	EA		48" x 76" Elliptical Precast Concrete End Section.....	3,291.94	584.23
<b>33 42 26 23-0048</b>			<b>Mitered Precast Concrete End Sections</b> (33 42 26 23-0001)		
33 42 26 23-0049	EA		12" Round Mitered Precast Concrete End Sections.....	265.17	54.77
33 42 26 23-0050	EA		15" Round Mitered Precast Concrete End Sections.....	284.91	68.25
33 42 26 23-0051	EA		18" Round Mitered Precast Concrete End Sections.....	341.51	86.41
33 42 26 23-0052	EA		24" Round Mitered Precast Concrete End Sections.....	497.22	119.60
33 42 26 23-0053	EA		18" x 12" Elliptical Mitered Precast Concrete End Sections.....	307.87	68.25
33 42 26 23-0054	EA		23" x 14" Elliptical Mitered Precast Concrete End Sections.....	382.34	86.41
33 42 26 23-0055	EA		30" x 19" Elliptical Mitered Precast Concrete End Sections.....	546.97	119.60
<b>33 42 31 Stormwater Area Drains and Inlets</b> (33 42)					
<b>33 42 31 00-0001</b>			<b>Storm Drains</b> (33 42 31)		
<b>33 42 31 00-0002</b>			<b>Catch Basins And Inlet Basins</b> (33 42 31 00-0001) Note: Includes base slab, opening and grout. Excludes frame, grate, excavation and backfill.		
<b>33 42 31 00-0003</b>			<b>Cast In Place, Grate Drop Inlet Basins</b> (33 42 31 00-0002) Note: Inside dimensions.		
<b>33 42 31 00-0004</b>			<b>3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basins</b> (33 42 31 00-0003)		
33 42 31 00-0005	EA		2' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	1,067.13	139.93
33 42 31 00-0006	EA		3' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	1,295.02	163.95
33 42 31 00-0007	EA		4' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	1,522.90	187.93
33 42 31 00-0008	EA		5' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	1,750.78	211.95
33 42 31 00-0009	EA		6' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin.....	1,978.67	235.94
<b>33 42 31 00-0010</b>			<b>3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basins</b> (33 42 31 00-0003)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0011 EA 2' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	1,599.42	139.08
33 42 31 00-0012 EA 3' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	1,924.59	185.45
33 42 31 00-0013 EA 4' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	2,368.74	252.88
33 42 31 00-0014 EA 5' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	2,953.01	295.02
33 42 31 00-0015 EA 6' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	3,311.71	337.17
<b>33 42 31 00-0016 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0003)</b>		
33 42 31 00-0017 EA 2' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	1,732.40	151.72
33 42 31 00-0018 EA 3' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	2,410.03	210.73
33 42 31 00-0019 EA 4' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	2,842.29	273.95
33 42 31 00-0020 EA 5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	3,279.23	316.10
33 42 31 00-0021 EA 6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	4,136.45	404.60
<b>33 42 31 00-0022 Cast In Place, Catch Basin (33 42 31 00-0002)</b>		
Note: Inside span, overall depth. Includes concrete, forms, rebar (where required), finish and curing.		
<b>33 42 31 00-0023 3' x 3', Cast In Place, Catch Basins (33 42 31 00-0022)</b>		
33 42 31 00-0024 EA 3' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin .....	1,262.20	169.17
33 42 31 00-0025 EA 3'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin .....	1,336.25	179.88
33 42 31 00-0026 EA 4' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin .....	1,469.36	193.20
33 42 31 00-0027 EA 4'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	1,683.36	213.86
33 42 31 00-0028 EA 5' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	1,824.73	227.64
33 42 31 00-0029 EA 5'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	1,909.51	238.72
33 42 31 00-0030 EA 6' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	2,050.96	252.50
33 42 31 00-0031 EA 6'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	2,132.56	263.62
33 42 31 00-0032 EA 7' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	2,275.19	277.36
33 42 31 00-0033 EA 7'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	2,358.78	288.50
33 42 31 00-0034 EA 8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	2,500.19	302.28
33 42 31 00-0035 VLF >8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	312.53	37.77
<b>33 42 31 00-0036 3'-6" x 3'-6", Cast In Place, Catch Basins (33 42 31 00-0022)</b>		
33 42 31 00-0037 EA 3' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin .....	1,448.82	195.56
33 42 31 00-0038 EA 3'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin .....	1,541.32	209.30
33 42 31 00-0039 EA 4' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin .....	1,681.14	223.08
33 42 31 00-0040 EA 4'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	1,932.26	247.06
33 42 31 00-0041 EA 5' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	2,085.98	262.65
33 42 31 00-0042 EA 5'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	2,183.04	275.59
33 42 31 00-0043 EA 6' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	2,339.87	291.18
33 42 31 00-0044 EA 6'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	2,436.92	304.13
33 42 31 00-0045 EA 7' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	2,591.80	319.72
33 42 31 00-0046 EA 7'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	2,689.61	332.66
33 42 31 00-0047 EA 8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	2,844.53	348.25
33 42 31 00-0048 VLF >8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	355.58	43.53
<b>33 42 31 00-0049 4' x 4', Cast In Place, Catch Basins (33 42 31 00-0022)</b>		
33 42 31 00-0050 EA 3' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin .....	1,648.74	223.72
33 42 31 00-0051 EA 3'-6" Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin .....	1,747.96	237.91
33 42 31 00-0052 EA 4' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin .....	1,905.03	254.73
33 42 31 00-0053 EA 4'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	2,193.53	282.09
33 42 31 00-0054 EA 5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	2,362.67	299.50
33 42 31 00-0055 EA 5'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	2,473.91	314.29
33 42 31 00-0056 EA 6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	2,643.05	331.69
33 42 31 00-0057 EA 6'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	2,753.53	346.48
33 42 31 00-0058 EA 7' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	2,922.67	363.89
33 42 31 00-0059 EA 7'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	3,033.92	378.69
33 42 31 00-0060 EA 8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	3,203.06	396.14
33 42 31 00-0061 VLF >8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	400.37	49.52
<b>33 42 31 00-0062 4'-6" x 4'-6", Cast In Place, Catch Basins (33 42 31 00-0022)</b>		
33 42 31 00-0063 EA 3' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin .....	1,904.02	259.42
33 42 31 00-0064 EA 3'-6" Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin .....	2,020.32	274.08
33 42 31 00-0065 EA 4' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin .....	2,192.57	293.05
33 42 31 00-0066 EA 4'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	2,522.07	324.15
33 42 31 00-0067 EA 5' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	2,708.58	343.79
33 42 31 00-0068 EA 5'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	2,837.23	360.77
33 42 31 00-0069 EA 6' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	3,024.50	380.41
33 42 31 00-0070 EA 6'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	3,153.16	397.44
33 42 31 00-0071 EA 7' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	3,339.67	417.08
33 42 31 00-0072 EA 7'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	3,467.13	434.07
33 42 31 00-0073 EA 8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	3,655.59	453.71
33 42 31 00-0074 VLF >8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	456.97	56.73
<b>33 42 31 00-0075 5' x 5', Cast In Place, Catch Basins (33 42 31 00-0022)</b>		
33 42 31 00-0076 EA 4' Deep, 5' x 5' x 6" Thick Wall, Cast In Place, Catch Basin .....	2,451.63	329.03



<b>33</b>	<b>Utilities</b>
<b>33 40</b>	<b>Stormwater Utilities</b>
<b>33 42</b>	<b>Stormwater Conveyance</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0077 EA 4'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	2,818.95	363.59
33 42 31 00-0078 EA 5' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	3,021.04	385.14
33 42 31 00-0079 EA 5'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	3,164.10	404.02
33 42 31 00-0080 EA 6' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	3,363.07	425.51
33 42 31 00-0081 EA 6'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	3,507.30	444.40
33 42 31 00-0082 EA 7' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	3,708.20	465.93
33 42 31 00-0083 EA 7'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	3,849.31	484.81
33 42 31 00-0084 EA 8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	4,051.42	506.30
33 42 31 00-0085 VLF >8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	796.28	63.30
<b>33 42 31 00-0086 5'-6" x 5'-6", Cast In Place, Catch Basins (33 42 31 00-0022)</b>		
33 42 31 00-0087 EA 4' Deep, 5'-6" x 5'-6" x 6" Thick Wall, Cast In Place, Catch Basin .....	2,722.28	366.92
33 42 31 00-0088 EA 4'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	3,235.61	415.36
33 42 31 00-0089 EA 5' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	3,457.75	439.29
33 42 31 00-0090 EA 5'-6" Deep, 5'-6" x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	3,620.85	460.74
33 42 31 00-0091 EA 6' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	3,844.93	484.85
33 42 31 00-0092 EA 6'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	4,009.22	506.30
33 42 31 00-0093 EA 7' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	4,231.36	530.41
33 42 31 00-0094 EA 7'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	4,394.46	551.86
33 42 31 00-0095 EA 8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	4,616.59	575.97
33 42 31 00-0096 VLF >8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	577.08	71.98
<b>33 42 31 00-0097 6' x 6', Cast In Place, Catch Basins (33 42 31 00-0022)</b>		
33 42 31 00-0098 EA 4' Deep, 6' x 6' x 6" Thick Wall, Cast In Place, Catch Basin .....	3,008.33	406.59
33 42 31 00-0099 EA 4'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	3,574.15	459.74
33 42 31 00-0100 EA 5' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	3,812.14	485.78
33 42 31 00-0101 EA 5'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	3,990.31	509.18
33 42 31 00-0102 EA 6' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	4,227.10	535.22
33 42 31 00-0103 EA 6'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	4,407.23	558.61
33 42 31 00-0104 EA 7' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	4,643.26	584.65
33 42 31 00-0105 EA 7'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	4,822.19	608.05
33 42 31 00-0106 EA 8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	5,060.18	634.09
33 42 31 00-0107 VLF >8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	632.54	79.27
<b>33 42 31 00-0108 6'-6" x 6'-6", Cast In Place, Catch Basins (33 42 31 00-0022)</b>		
33 42 31 00-0109 EA 4' Deep, 6'-6" x 6'-6" x 6" Thick Wall, Cast In Place, Catch Basin .....	3,306.66	448.14
33 42 31 00-0110 EA 4'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	4,061.56	519.20
33 42 31 00-0111 EA 5' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	4,321.58	548.03
33 42 31 00-0112 EA 5'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	4,523.71	574.20
33 42 31 00-0113 EA 6' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	4,783.72	602.98
33 42 31 00-0114 EA 6'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	4,985.84	629.20
33 42 31 00-0115 EA 7' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	5,245.86	657.99
33 42 31 00-0116 EA 7'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	5,447.99	684.16
33 42 31 00-0117 EA 8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	5,709.95	712.99
33 42 31 00-0118 VLF >8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	713.72	89.14
<b>33 42 31 00-0119 7' x 7', Cast In Place, Catch Basins (33 42 31 00-0022)</b>		
33 42 31 00-0120 EA 4' Deep, 7' x 7' x 6" Thick Wall, Cast In Place, Catch Basin .....	3,618.55	491.51
33 42 31 00-0121 EA 4'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	4,445.17	569.06
33 42 31 00-0122 EA 5' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	4,721.27	599.91
33 42 31 00-0123 EA 5'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	4,937.59	628.06
33 42 31 00-0124 EA 6' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	5,214.84	658.87
33 42 31 00-0125 EA 6'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	5,431.16	687.07
33 42 31 00-0126 EA 7' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	5,707.26	717.88
33 42 31 00-0127 EA 7'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	5,924.77	746.07
33 42 31 00-0128 EA 8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	6,200.83	776.88
33 42 31 00-0129 VLF >8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	775.13	97.11
<b>33 42 31 00-0130 7'-6" x 7'-6", Cast In Place, Catch Basins (33 42 31 00-0022)</b>		
33 42 31 00-0131 EA 4' Deep, 7'-6" x 7'-6" x 6" Thick Wall, Cast In Place, Catch Basin .....	4,097.43	551.65
33 42 31 00-0132 EA 4'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	4,844.90	620.94
33 42 31 00-0133 EA 5' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	5,135.15	653.78
33 42 31 00-0134 EA 5'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	5,368.75	683.95
33 42 31 00-0135 EA 6' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	5,660.15	716.79
33 42 31 00-0136 EA 6'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	5,893.74	746.96
33 42 31 00-0137 EA 7' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	6,184.00	779.80
33 42 31 00-0138 EA 7'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	6,417.59	809.97
33 42 31 00-0139 EA 8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	6,709.03	842.80
33 42 31 00-0140 VLF >8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	838.61	105.37
<b>33 42 31 00-0141 8' x 8', Cast In Place, Catch Basins (33 42 31 00-0022)</b>		
33 42 31 00-0142 EA 4' Deep, 8' x 8' x 6" Thick Wall, Cast In Place, Catch Basin .....	4,450.65	600.20
33 42 31 00-0143 EA 4'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	5,258.72	674.84
33 42 31 00-0144 EA 5' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	5,564.36	709.66



<b>Utilities</b>	<b>33</b>	<b>33</b>
<b>Stormwater Utilities</b>	<b>33 40</b>	
<b>Stormwater Conveyance</b>	<b>33 42</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0145 EA 5'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	5,814.04	741.86
33 42 31 00-0146 EA 6' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	6,119.64	776.68
33 42 31 00-0147 EA 6'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	6,366.93	808.88
33 42 31 00-0148 EA 7' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	6,674.92	843.69
33 42 31 00-0149 EA 7'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	6,924.59	875.89
33 42 31 00-0150 EA 8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	7,226.44	910.70
33 42 31 00-0151 VLF >8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	903.77	113.83
<b>33 42 31 00-0152 Precast Concrete Catch Basins (33 42 31 00-0002)</b>		
Note: Inside dimensions.		
<b>33 42 31 00-0153 1'-6" Diameter Precast Catch Basins (33 42 31 00-0152)</b>		
33 42 31 00-0154 EA 4' Deep, 1'-6" Diameter Precast Catch Basins.....	490.31	96.95
33 42 31 00-0155 EA 6' Deep, 1'-6" Diameter Precast Catch Basins.....	654.62	145.41
33 42 31 00-0156 EA 8' Deep, 1'-6" Diameter Precast Catch Basins.....	806.45	189.03
33 42 31 00-0157 EA 10' Deep, 1'-6" Diameter Precast Catch Basins.....	978.35	223.45
33 42 31 00-0158 EA 12' Deep, 1'-6" Diameter Precast Catch Basins.....	1,181.30	283.55
33 42 31 00-0159 EA 14' Deep, 1'-6" Diameter Precast Catch Basins.....	1,343.37	327.18
33 42 31 00-0160 VLF Vertical Linear Foot Over 14' Deep, 1'-6" Diameter Precast Catch Basins .....	91.36	21.81
<b>33 42 31 00-0161 2' Diameter Precast Catch Basins (33 42 31 00-0152)</b>		
33 42 31 00-0162 EA 4' Deep, 2' Diameter Precast Catch Basin.....	565.67	107.84
33 42 31 00-0163 EA 6' Deep, 2' Diameter Precast Catch Basin.....	750.99	159.95
33 42 31 00-0164 EA 8' Deep, 2' Diameter Precast Catch Basin.....	922.62	210.85
33 42 31 00-0165 EA 10' Deep, 2' Diameter Precast Catch Basin.....	1,117.24	245.99
33 42 31 00-0166 EA 12' Deep, 2' Diameter Precast Catch Basin.....	1,354.01	315.06
33 42 31 00-0167 EA 14' Deep, 2' Diameter Precast Catch Basin.....	1,538.11	363.54
33 42 31 00-0168 VLF Vertical Linear Foot Over 14' Deep, 2' Diameter Precast Catch Basin .....	104.53	26.17
<b>33 42 31 00-0169 3' Diameter Precast Catch Basins (33 42 31 00-0152)</b>		
33 42 31 00-0170 EA 4' Deep, 3' Diameter Precast Catch Basin.....	792.31	127.23
33 42 31 00-0171 EA 6' Deep, 3' Diameter Precast Catch Basin.....	1,038.74	188.07
33 42 31 00-0172 EA 8' Deep, 3' Diameter Precast Catch Basin.....	1,268.36	248.42
33 42 31 00-0173 EA 10' Deep, 3' Diameter Precast Catch Basin.....	1,580.12	310.22
33 42 31 00-0174 EA 12' Deep, 3' Diameter Precast Catch Basin.....	1,853.24	369.83
33 42 31 00-0175 EA 14' Deep, 3' Diameter Precast Catch Basin.....	2,110.29	430.42
33 42 31 00-0176 VLF Vertical Linear Foot Over 14' Deep, 3' Diameter Precast Catch Basin .....	141.79	30.74
<b>33 42 31 00-0177 4' Diameter Precast Catch Basins (33 42 31 00-0152)</b>		
33 42 31 00-0178 EA 4' Deep, 4' Diameter Precast Catch Basin.....	995.01	141.54
33 42 31 00-0179 EA 6' Deep, 4' Diameter Precast Catch Basin.....	1,265.03	193.88
33 42 31 00-0180 EA 8' Deep, 4' Diameter Precast Catch Basin.....	1,602.09	290.83
33 42 31 00-0181 EA 10' Deep, 4' Diameter Precast Catch Basin.....	1,998.35	363.54
33 42 31 00-0182 EA 12' Deep, 4' Diameter Precast Catch Basin.....	2,344.01	436.24
33 42 31 00-0183 EA 14' Deep, 4' Diameter Precast Catch Basin.....	2,669.72	508.94
33 42 31 00-0184 VLF Vertical Linear Foot Over 14' Deep, 4' Diameter Precast Catch Basin .....	178.92	36.35
<b>33 42 31 00-0185 5' Diameter Precast Catch Basins (33 42 31 00-0152)</b>		
33 42 31 00-0186 EA 4' Deep, 5' Diameter Precast Catch Basin.....	1,329.73	193.88
33 42 31 00-0187 EA 6' Deep, 5' Diameter Precast Catch Basin.....	1,745.87	290.83
33 42 31 00-0188 EA 8' Deep, 5' Diameter Precast Catch Basin.....	2,163.43	387.77
33 42 31 00-0189 EA 10' Deep, 5' Diameter Precast Catch Basin.....	2,619.85	484.71
33 42 31 00-0190 EA 12' Deep, 5' Diameter Precast Catch Basin.....	3,063.32	581.65
33 42 31 00-0191 EA 14' Deep, 5' Diameter Precast Catch Basin.....	3,550.57	678.59
33 42 31 00-0192 VLF Vertical Linear Foot Over 14' Deep, 5' Diameter Precast Catch Basin .....	237.77	48.47
<b>33 42 31 00-0193 6' Diameter Precast Catch Basins (33 42 31 00-0152)</b>		
33 42 31 00-0194 EA 4' Deep, 6' Diameter Precast Catch Basin.....	1,925.58	290.83
33 42 31 00-0195 EA 6' Deep, 6' Diameter Precast Catch Basin.....	2,487.78	436.24
33 42 31 00-0196 EA 8' Deep, 6' Diameter Precast Catch Basin.....	3,107.83	581.65
33 42 31 00-0197 EA 10' Deep, 6' Diameter Precast Catch Basin.....	3,866.83	727.06
33 42 31 00-0198 EA 12' Deep, 6' Diameter Precast Catch Basin.....	4,589.87	872.48
33 42 31 00-0199 EA 14' Deep, 6' Diameter Precast Catch Basin.....	5,280.77	1,017.89
33 42 31 00-0200 VLF Vertical Linear Foot Over 14' Deep, 6' Diameter Precast Catch Basin .....	353.15	72.71
<b>33 42 31 00-0201 Precast Catch Basins Accessories (33 42 31 00-0152)</b>		
33 42 31 00-0202 EA Single Or Double Wing Slab Top With Throat.....	745.66	315.06
33 42 31 00-0203 EA 4' x 4' Weir Box, Precast Catch Basin.....	656.42	38.78
33 42 31 00-0204 EA 4' Diameter Inlet Round To Square Adapter, Precast Catch Basin.....	309.94	41.20
33 42 31 00-0205 EA 3' Diameter, Up To 6" High, Precast Extension Ring.....	361.72	60.59
For Each Additional Inch In Height, Add	50.19	
33 42 31 00-0206 EA 4' Diameter, Up To 6" High, Precast Extension Ring.....	422.98	72.71
For Each Additional Inch In Height, Add	58.37	

<b>33</b>	<b>Utilities</b>
<b>33 40</b>	<b>Stormwater Utilities</b>
<b>33 42</b>	<b>Stormwater Conveyance</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0207 EA 5' Diameter, Up To 6" High, Precast Extension Ring.....	493.80	84.82
For Each Additional Inch In Height, Add	68.19	
33 42 31 00-0208 EA 6' Diameter, Up To 6" High, Precast Extension Ring.....	573.54	121.18
For Each Additional Inch In Height, Add	75.42	
33 42 31 00-0209 EA Adjust Existing Catch Basin Inlet Grate To Match Grade.....	290.81	
<b>33 42 31 00-0210 Catch Basin Risers</b> (33 42 31 00-0152)		
33 42 31 00-0211 EA Up To 860 Square Inch, Up to 2" Rise, Catch Basin Riser.....	210.93	
33 42 31 00-0212 EA >860 To 1140 Square Inch, Up To 2" Rise, Catch Basin Riser.....	237.64	
33 42 31 00-0213 EA >1140 Square Inch, Up To 2" Rise, Catch Basin Riser.....	269.47	
33 42 31 00-0214 EA Up To 860 Square Inch, >2" To 3" Rise, Catch Basin Riser.....	227.36	
33 42 31 00-0215 EA >860 To 1140 Square Inch, >2" To 3" Rise, Catch Basin Riser.....	255.87	
33 42 31 00-0216 EA >1140 Square Inch, >2" To 3" Rise, Catch Basin Riser.....	291.15	
33 42 31 00-0217 EA Up To 860 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	252.52	
33 42 31 00-0218 EA >860 To 1140 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	277.76	
33 42 31 00-0219 EA >1140 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	313.14	
<b>33 42 31 00-0220 Precast Concrete Inlet Boxes</b> (33 42 31 00-0002)		
Note: Inside dimensions.		
<b>33 42 31 00-0221 Precast Concrete Inlet Boxes</b> (33 42 31 00-0220)		
<b>33 42 31 00-0222 24" x 24" ID, Precast Concrete Inlet Boxes</b> (33 42 31 00-0221)		
Note: Yard inlet.		
<b>33 42 31 00-0223 24" x 24" ID, Precast Concrete Inlet Boxes</b> (33 42 31 00-0222)		
33 42 31 00-0224 EA 24" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	485.40	33.93
33 42 31 00-0225 EA 30" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	569.53	41.20
33 42 31 00-0226 EA 36" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	653.67	48.47
33 42 31 00-0227 EA 42" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	738.39	56.05
<b>33 42 31 00-0228 24" x 24" ID, Precast Concrete Inlet Box Risers</b> (33 42 31 00-0222)		
33 42 31 00-0229 EA 6" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	110.79	
33 42 31 00-0230 EA 12" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	187.65	
33 42 31 00-0231 EA 18" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	269.36	
33 42 31 00-0232 EA 24" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	351.07	
33 42 31 00-0233 EA 30" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	432.77	
33 42 31 00-0234 EA 36" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser.....	514.49	
<b>33 42 31 00-0235 22" x 48" ID, Precast Concrete Inlet Boxes</b> (33 42 31 00-0221)		
<b>33 42 31 00-0236 22" x 48" ID, Precast Concrete Inlet Boxes</b> (33 42 31 00-0235)		
33 42 31 00-0237 EA 36" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	970.50	94.02
33 42 31 00-0238 EA 42" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,089.05	108.71
33 42 31 00-0239 EA 48" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,207.61	123.40
33 42 31 00-0240 EA 54" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,326.23	138.12
33 42 31 00-0241 EA 60" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,444.86	152.85
33 42 31 00-0242 EA 66" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,563.50	167.57
33 42 31 00-0243 EA 72" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,682.11	182.30
<b>33 42 31 00-0244 22" x 48" ID, Precast Concrete Inlet Box Risers</b> (33 42 31 00-0235)		
33 42 31 00-0245 EA 6" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	216.16	
33 42 31 00-0246 EA 12" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	364.46	
33 42 31 00-0247 EA 18" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	388.70	
33 42 31 00-0248 EA 24" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	502.11	
33 42 31 00-0249 EA 30" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	615.52	
33 42 31 00-0250 EA 36" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	723.09	
33 42 31 00-0251 EA 42" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	841.63	
33 42 31 00-0252 EA 48" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	960.20	
33 42 31 00-0253 EA 54" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	1,078.83	
33 42 31 00-0254 EA 60" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	1,197.45	
33 42 31 00-0255 EA 66" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	1,316.08	
33 42 31 00-0256 EA 72" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser.....	1,434.70	
<b>33 42 31 00-0257 30" x 48" ID, Precast Concrete Inlet Boxes</b> (33 42 31 00-0221)		
<b>33 42 31 00-0258 30" x 48" ID, Precast Concrete Inlet Boxes</b> (33 42 31 00-0257)		
33 42 31 00-0259 EA 36" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	924.15	103.42
33 42 31 00-0260 EA 42" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,041.59	119.58
33 42 31 00-0261 EA 48" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,159.03	135.74
33 42 31 00-0262 EA 54" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,276.55	151.94
33 42 31 00-0263 EA 60" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,394.06	168.14
33 42 31 00-0264 EA 66" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,511.58	184.33
33 42 31 00-0265 EA 72" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,629.09	200.54



	<b>Utilities</b>	<b>33</b>	
	<b>Stormwater Utilities</b>	<b>33 40</b>	<b>33</b>
	<b>Stormwater Conveyance</b>	<b>33 42</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 42 31 00-0266</b> 30" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0267)		
33 42 31 00-0267 EA 6" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	211.82	
33 42 31 00-0268 EA 12" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	354.08	
33 42 31 00-0269 EA 18" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	378.52	
33 42 31 00-0270 EA 24" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	488.56	
33 42 31 00-0271 EA 30" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	598.59	
33 42 31 00-0272 EA 36" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	708.16	
33 42 31 00-0273 EA 42" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	824.30	
33 42 31 00-0274 EA 48" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	939.98	
33 42 31 00-0275 EA 54" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	1,056.12	
33 42 31 00-0276 EA 60" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	1,171.80	
33 42 31 00-0277 EA 66" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	1,287.95	
33 42 31 00-0278 EA 72" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	1,404.09	
<b>33 42 31 00-0279</b> 42" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0221)		
<b>33 42 31 00-0280</b> 42" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0279)		
33 42 31 00-0281 EA 36" Height, 42" x 48" ID, Precast Concrete Inlet Box .....	1,108.54	112.82
33 42 31 00-0282 EA 42" Height, 42" x 48" ID, Precast Concrete Inlet Box .....	1,246.85	131.16
33 42 31 00-0283 EA 48" Height, 42" x 48" ID, Precast Concrete Inlet Box .....	1,385.15	149.96
33 42 31 00-0284 EA 54" Height, 42" x 48" ID, Precast Concrete Inlet Box .....	1,522.99	168.29
33 42 31 00-0285 EA 60" Height, 42" x 48" ID, Precast Concrete Inlet Box .....	1,661.30	187.10
33 42 31 00-0286 EA 66" Height, 42" x 48" ID, Precast Concrete Inlet Box .....	1,799.60	205.43
33 42 31 00-0287 EA 72" Height, 42" x 48" ID, Precast Concrete Inlet Box .....	1,937.44	223.76
<b>33 42 31 00-0288</b> 42" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0279)		
33 42 31 00-0289 EA 6" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser .....	237.31	
33 42 31 00-0290 EA 12" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser .....	404.11	
33 42 31 00-0291 EA 18" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser .....	429.26	
33 42 31 00-0292 EA 24" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser .....	555.58	
33 42 31 00-0293 EA 30" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser .....	681.90	
33 42 31 00-0294 EA 36" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser .....	808.22	
33 42 31 00-0295 EA 42" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser .....	940.88	
33 42 31 00-0296 EA 48" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser .....	1,073.55	
33 42 31 00-0297 EA 54" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser .....	1,206.22	
33 42 31 00-0298 EA 60" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser .....	1,338.88	
33 42 31 00-0299 EA 66" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser .....	1,471.55	
33 42 31 00-0300 EA 72" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser .....	1,604.22	
<b>33 42 31 00-0301</b> 42" x 48" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0279)		
33 42 31 00-0302 EA 42" x 48" ID, Precast Concrete Inlet Box Top Slab .....	622.87	70.52
<b>33 42 31 00-0303</b> 48" x 54" ID, Precast Concrete Inlet Boxes (33 42 31 00-0221)		
<b>33 42 31 00-0304</b> 48" x 54" ID, Precast Concrete Inlet Boxes (33 42 31 00-0303)		
33 42 31 00-0305 EA 36" Height, 48" x 54" ID, Precast Concrete Inlet Box .....	1,604.84	125.35
33 42 31 00-0306 EA 42" Height, 48" x 54" ID, Precast Concrete Inlet Box .....	1,793.58	145.96
33 42 31 00-0307 EA 48" Height, 48" x 54" ID, Precast Concrete Inlet Box .....	1,982.32	166.56
33 42 31 00-0308 EA 54" Height, 48" x 54" ID, Precast Concrete Inlet Box .....	2,170.91	187.10
33 42 31 00-0309 EA 60" Height, 48" x 54" ID, Precast Concrete Inlet Box .....	2,359.49	207.63
33 42 31 00-0310 EA 66" Height, 48" x 54" ID, Precast Concrete Inlet Box .....	2,548.08	228.16
33 42 31 00-0311 EA 72" Height, 48" x 54" ID, Precast Concrete Inlet Box .....	2,736.68	248.69
<b>33 42 31 00-0312</b> 48" x 54" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0303)		
33 42 31 00-0313 EA 6" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	236.85	
33 42 31 00-0314 EA 12" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	396.91	
33 42 31 00-0315 EA 18" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	583.62	
33 42 31 00-0316 EA 24" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	770.32	
33 42 31 00-0317 EA 30" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	949.19	
33 42 31 00-0318 EA 36" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	1,135.90	
33 42 31 00-0319 EA 42" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	1,324.64	
33 42 31 00-0320 EA 48" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	1,513.38	
33 42 31 00-0321 EA 54" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	1,701.97	
33 42 31 00-0322 EA 60" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	1,890.55	
33 42 31 00-0323 EA 66" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	2,079.14	
33 42 31 00-0324 EA 72" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser .....	2,267.74	
<b>33 42 31 00-0325</b> 48" x 54" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0303)		
33 42 31 00-0326 EA 48" x 54" ID, Precast Concrete Inlet Box Top Slab .....	676.90	76.39
<b>33 42 31 00-0327</b> 48" x 66" ID, Precast Concrete Inlet Boxes (33 42 31 00-0221)		
<b>33 42 31 00-0328</b> 48" x 66" ID, Precast Concrete Inlet Boxes (33 42 31 00-0327)		

<b>33</b>	<b>Utilities</b>
<b>33 40</b>	<b>Stormwater Utilities</b>
<b>33 42</b>	<b>Stormwater Conveyance</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 31 00-0329	EA	36" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	1,808.01	157.96
	33 42 31 00-0330	EA	42" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	2,012.08	184.34
	33 42 31 00-0331	EA	48" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	2,216.16	210.73
	33 42 31 00-0332	EA	54" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	2,419.95	236.97
	33 42 31 00-0333	EA	60" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	2,623.73	263.22
	33 42 31 00-0334	EA	66" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	2,827.50	289.47
	33 42 31 00-0335	EA	72" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	3,031.29	315.71
<b>33 42 31 00-0336</b>			<b>48" x 66" ID, Precast Concrete Inlet Box Risers</b> (33 42 31 00-0327)		
	33 42 31 00-0337	EA	6" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	256.60	
	33 42 31 00-0338	EA	12" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	421.05	
	33 42 31 00-0339	EA	18" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	624.99	
	33 42 31 00-0340	EA	24" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	828.94	
	33 42 31 00-0341	EA	30" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	1,019.74	
	33 42 31 00-0342	EA	36" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	1,223.67	
	33 42 31 00-0343	EA	42" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	1,427.74	
	33 42 31 00-0344	EA	48" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	1,631.82	
	33 42 31 00-0345	EA	54" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	1,835.61	
	33 42 31 00-0346	EA	60" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	2,039.39	
	33 42 31 00-0347	EA	66" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	2,243.16	
	33 42 31 00-0348	EA	72" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser.....	2,446.95	
<b>33 42 31 00-0349</b>			<b>48" x 66" ID, Precast Concrete Inlet Box Tops</b> (33 42 31 00-0327)		
	33 42 31 00-0350	EA	48" x 66" ID, Precast Concrete Inlet Box Top Slab.....	752.29	85.55
<b>33 42 31 00-0351</b>			<b>42" x 102" ID, Precast Concrete Inlet Boxes</b> (33 42 31 00-0221)		
<b>33 42 31 00-0352</b>			<b>42" x 102" ID, Precast Concrete Inlet Boxes</b> (33 42 31 00-0351)		
	33 42 31 00-0353	EA	36" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	2,287.34	212.96
	33 42 31 00-0354	EA	42" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	2,544.06	248.21
	33 42 31 00-0355	EA	48" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	2,800.79	282.99
	33 42 31 00-0356	EA	54" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	3,057.03	318.26
	33 42 31 00-0357	EA	60" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	3,313.75	353.04
	33 42 31 00-0358	EA	66" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	3,569.99	387.82
	33 42 31 00-0359	EA	72" Height, 42" x 102" ID, Precast Concrete Inlet Box.....	3,827.18	423.09
<b>33 42 31 00-0360</b>			<b>42" x 102" ID, Precast Concrete Inlet Box Risers</b> (33 42 31 00-0351)		
	33 42 31 00-0361	EA	6" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	338.51	
	33 42 31 00-0362	EA	12" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	546.34	
	33 42 31 00-0363	EA	18" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	799.76	
	33 42 31 00-0364	EA	24" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	1,053.20	
	33 42 31 00-0365	EA	30" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	1,293.00	
	33 42 31 00-0366	EA	36" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	1,546.42	
	33 42 31 00-0367	EA	42" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	1,803.14	
	33 42 31 00-0368	EA	48" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	2,059.87	
	33 42 31 00-0369	EA	54" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	2,316.11	
	33 42 31 00-0370	EA	60" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	2,572.83	
	33 42 31 00-0371	EA	66" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	2,829.07	
	33 42 31 00-0372	EA	72" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser.....	3,085.80	
<b>33 42 31 00-0373</b>			<b>42" x 102" ID, Precast Concrete Inlet Box Tops</b> (33 42 31 00-0351)		
	33 42 31 00-0374	EA	42" x 102" ID, Precast Concrete Inlet Box Top Slab.....	1,046.92	94.02
<b>33 42 31 00-0375</b>			<b>Frames And Grates For Inlets</b> (33 42 31 00-0220)		
<b>33 42 31 00-0376</b>			<b>Inlet Frames And Grates</b> (33 42 31 00-0375)		
	33 42 31 00-0377	EA	24" x 24", Heavy Duty Inlet Grate ..... Note: For type A, B, D, or E inlets.	218.21	22.07
	33 42 31 00-0378	EA	47-3/4" x 21-3/4", Bicycle Safe Inlet Grate (US Foundry 6352 GRT)..... Note: For type A, B, D, or E inlets.	287.72	22.07
	33 42 31 00-0379	EA	47-3/4" x 21-3/4", Phase II Stormwater Compliant Inlet Grate (US Foundry 6352 GRT)..... Note: Includes legend: Dump No Waste "Drains To Waterways".	287.72	22.07
	33 42 31 00-0380	EA	Phase II Storm Water Compliant Grate, Echo Grate, Type "B" And "D" Inlet Covers (US Foundry 6352 GRT)..... Note: Legend: Dump No Waste "Drains to Waterways"	287.72	22.07
	33 42 31 00-0381	EA	Parallel Bar Grates For Type A, B, D And E Inlets (Campbell Foundry 2617-0362).....	316.71	22.07
	33 42 31 00-0382	EA	Type B Inlet Dirt Plate (US Foundry 5217 BK).....	215.87	44.15
	33 42 31 00-0383	EA	Back Plate For Type B Inlets (Campbell Foundry 2548-1942).....	256.47	44.15
	33 42 31 00-0384	EA	Phase II Echo-Safe Bar For Series 2500/2600 Curb Inlets (Campbell Foundry 25419EC4)..... Note: Includes cam action clamping system, stainless steel badge labeled to center of plate, steel plate welded to bar with legend: Dump No Waste "Drains to Waterways".	319.15	55.18
	33 42 31 00-0385	EA	1-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT).....	266.96	55.18
	33 42 31 00-0386	EA	2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT).....	272.76	55.18
	33 42 31 00-0387	EA	2-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT).....	284.36	55.18
	33 42 31 00-0388	EA	3" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT).....	295.95	55.18
	33 42 31 00-0389	EA	2" Extension Frame For Type A Inlet (General Foundries 6352 EXT).....	284.36	55.18



	<b>Utilities</b>	<b>33</b>
	<b>Stormwater Utilities</b>	<b>33 40</b>
	<b>Stormwater Conveyance</b>	<b>33 42</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0390	EA		2-1/2" Extension Frame For Type A Inlet (General Foundries 6352 EXT).....	295.95	55.18
33 42 31 00-0391	EA		3" Extension Frame For Type A Inlet (General Foundries 6352 EXT).....	307.55	55.18
33 42 31 00-0392	EA		2" Extension Frame For Type E Inlet (General Foundries 6352 EXT).....	458.33	55.18
33 42 31 00-0393	EA		2-1/2" Extension Frame For Type E Inlet (General Foundries 6352 EXT).....	481.53	55.18
33 42 31 00-0394	EA		3" Extension Frame For Type E Inlet (General Foundries 6352 EXT).....	504.73	55.18
33 42 31 00-0395	EA		2", 3 Sided Extension Frame For Type A, B, D, And E Inlet (Campbell Foundry 2701).....	330.75	55.18
33 42 31 00-0396	EA		6" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N6).....	295.95	55.18
33 42 31 00-0397	EA		8" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N8).....	295.95	55.18
33 42 31 00-0398	EA		6" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-6).....	643.83	55.18
33 42 31 00-0399	EA		8" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-8).....	643.83	55.18
33 42 31 00-0400	EA		Safety Bars For Type B And D Inlets (General Foundries 5218 SB).....	237.39	60.71
33 42 31 00-0401	EA		6", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 648)..... Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	347.58	60.71
33 42 31 00-0402	EA		8", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 848)..... Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	347.58	60.71
33 42 31 00-0403	EA		10", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 1048)..... Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	388.17	60.71
33 42 31 00-0404	EA		Type B Inlet Frame (US Foundry 5216 FRM).....	451.96	60.71
33 42 31 00-0405	EA		Type D Inlet Frame (US Foundry 2999 FRM).....	382.37	60.71
33 42 31 00-0406	EA		Type B Inlet Frame (Campbell Foundry 2618-0202).....	562.15	60.71
33 42 31 00-0407	EA		Type D Inlet Frame (Campbell Foundry 2617-0002).....	492.56	60.71
33 42 31 00-0408	EA		Type A Inlet, Single Frame And Grate (US Foundry 52340).....	828.94	88.29
33 42 31 00-0409	EA		Type E Inlet, Single Frame And Grate (US Foundry 52342).....	1,046.48	88.29
33 42 31 00-0410	EA		Type A Inlet, Single Frame And Grate (General Foundries 52340).....	611.54	88.29
33 42 31 00-0411	EA		Type E Inlet, Double Frame And Grate (General Foundries 52342).....	991.97	88.29
33 42 31 00-0412	EA		Oversized Type A Inlet, Single Frame And Reticuline Grate (US Foundry 82340).....	1,036.18	132.45
33 42 31 00-0413	EA		Heavy Duty Rectangular Frame And Grate (Campbell Foundry 3084).....	1,035.51	176.60
33 42 31 00-0414	EA		6" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52186).....	1,147.68	176.60
33 42 31 00-0415	EA		8" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52198).....	1,147.68	176.60
33 42 31 00-0416	EA		6" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72266).....	1,002.70	176.60
33 42 31 00-0417	EA		8" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72268).....	1,002.70	176.60
33 42 31 00-0418	EA		Type B And C Inlet Frame And Grate With Type N Curb And Back Plate (Campbell Foundry GFI 52198).....	1,194.07	176.60
<b>33 42 31 00-0419</b>			<b>Catch Basin Frames And Covers (33 42 31 00-0001)</b>		
<b>33 42 31 00-0420</b>			<b>Cast Iron Frames And Covers (33 42 31 00-0419)</b>		
33 42 31 00-0421	EA		18" Diameter Cast Iron Catch Basin Frame And Cover.....	305.52	48.47
33 42 31 00-0422	EA		22" Diameter Cast Iron Catch Basin Frame And Cover.....	383.78	54.77
33 42 31 00-0423	EA		24" Diameter Cast Iron Catch Basin Frame And Cover.....	432.22	56.71
33 42 31 00-0424	EA		26" Diameter Cast Iron Catch Basin Frame And Cover.....	486.21	65.92
33 42 31 00-0425	EA		28" Diameter Cast Iron Catch Basin Frame And Cover.....	567.15	75.13
33 42 31 00-0426	EA		32" Diameter Cast Iron Catch Basin Frame And Cover.....	893.91	78.52
33 42 31 00-0427	EA		16" x 16" Cast Iron Catch Basin Frame And Cover.....	488.61	59.62
33 42 31 00-0428	EA		18" x 24" Cast Iron Catch Basin Frame And Cover.....	633.70	68.83
33 42 31 00-0429	EA		20" x 27" Cast Iron Catch Basin Frame And Cover.....	714.39	71.74
33 42 31 00-0430	EA		23" x 23" Cast Iron Catch Basin Frame And Cover.....	676.45	71.74
33 42 31 00-0431	EA		24" x 24" Cast Iron Catch Basin Frame And Cover.....	699.37	74.64
33 42 31 00-0432	EA		26" x 26" Cast Iron Catch Basin Frame And Cover.....	750.11	77.56
33 42 31 00-0433	EA		24" x 36" Cast Iron Catch Basin Frame And Cover.....	898.20	83.37
33 42 31 00-0434	EA		15" x 26" Concave Cast Iron Catch Basin Frame And Cover.....	625.00	68.83
33 42 31 00-0435	EA		17" x 22" Concave Cast Iron Catch Basin Frame And Cover.....	609.33	68.83
33 42 31 00-0436	EA		22" x 22" Concave Cast Iron Catch Basin Frame And Cover.....	680.32	71.74
33 42 31 00-0437	EA		24" x 24" Concave Cast Iron Catch Basin Frame And Cover.....	739.13	74.64
33 42 31 00-0438	EA		28" x 28" Concave Cast Iron Catch Basin Frame And Cover.....	804.90	77.56
33 42 31 00-0439	EA		22" x 40" Concave Cast Iron Catch Basin Frame And Cover.....	936.43	83.37
<b>33 42 31 00-0440</b>			<b>Galvanized Welded Steel Frames And Parallel Bar Grates (33 42 31 00-0419)</b>		
<b>33 42 31 00-0441</b>			<b>Parallel Bar Grates (33 42 31 00-0440)</b> Note: Product as manufactured by Andrews Metal Products.		
33 42 31 00-0442	EA		18" x 24" Parallel Bar Grate.....	327.28	68.83
			For Epoxy Coated, Add	75.53	
33 42 31 00-0443	EA		24" x 24" Parallel Bar Grate.....	403.15	74.64
			For Epoxy Coated, Add	98.69	
33 42 31 00-0444	EA		24" x 30" Parallel Bar Grate.....	469.49	79.01
			For Epoxy Coated, Add	119.36	
33 42 31 00-0445	EA		24" x 36" Parallel Bar Grate.....	532.71	83.37
			For Epoxy Coated, Add	138.95	
33 42 31 00-0446	EA		30" x 30" Parallel Bar Grate.....	652.67	95.48
			For Epoxy Coated, Add	174.15	
33 42 31 00-0447	EA		30" x 36" Parallel Bar Grate.....	741.90	101.31
			For Epoxy Coated, Add	201.99	
33 42 31 00-0448	EA		30" x 42" Parallel Bar Grate.....	835.63	107.61
			For Epoxy Coated, Add	231.40	
33 42 31 00-0449	EA		36" x 36" Parallel Bar Grate.....	1,087.30	116.33
			For Epoxy Coated, Add	314.39	
33 42 31 00-0450	EA		36" x 42" Parallel Bar Grate.....	1,229.06	122.15
			For Epoxy Coated, Add	360.62	
33 42 31 00-0451	EA		36" x 48" Parallel Bar Grate.....	1,380.27	131.36
			For Epoxy Coated, Add	408.45	

<b>33</b>	<b>Utilities</b>
<b>33 40</b>	<b>Stormwater Utilities</b>
<b>33 42</b>	<b>Stormwater Conveyance</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 42 31 00-0452	Area Yard Drain <small>(33 42 31 00-0001)</small> See CSI section 22 14 26 16-0001 for drains.		
33 42 31 00-0453	Ductile Iron Grates <small>(33 42 31 00-0452)</small> Note: Not for traffic loading.		
33 42 31 00-0454	EA 8" Diameter Ductile Iron Grate Adapter Necks Down To 4" and 6" Diameter Pipe .....	102.13	19.10
33 42 31 00-0455	EA 10" Diameter Ductile Iron Grate Adapters To 4", 6", or 8" Diameter Pipe .....	128.19	20.37
33 42 31 00-0456	EA 12" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe .....	319.95	25.47
33 42 31 00-0457	EA 15" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe .....	382.18	30.56
<b>33 42 33</b>	<b>Stormwater Curbside Drains and Inlets <small>(33 42)</small></b>		
33 42 33 00-0001	Curb Inlet Frames And Covers <small>(33 42 33)</small>		
33 42 33 00-0002	Cast Iron Curb Inlet Frames And Covers <small>(33 42 33 00-0001)</small>		
33 42 33 00-0003	EA 20" x 22" Cast Iron Curb Inlet Frame And Cover .....	606.35	56.71
33 42 33 00-0004	EA 22" x 24" Cast Iron Curb Inlet Frame And Cover .....	648.86	65.92
33 42 33 00-0005	EA 24" x 24" Cast Iron Curb Inlet Frame And Cover .....	673.72	65.92
33 42 33 00-0006	EA 27" x 27" Cast Iron Curb Inlet Frame And Cover .....	737.90	77.56
33 42 33 00-0007	EA 36" x 24" Cast Iron Curb Inlet Frame And Cover .....	731.36	82.89
33 42 33 00-0008	Precast Inlet Top <small>(33 42 33 00-0001)</small>		
33 42 33 00-0009	EA 3'-6" x 4'-10" Single Standard Precast Inlet Top With Metal Frame And Cover .....	855.94	79.98
33 42 33 00-0010	EA 3'-6" x 9'-8" Double Standard Precast Inlet Top With Metal Frame And Cover .....	1,627.99	119.97
33 42 33 00-0011	EA 3'-6" x 14'-6" Triple Standard Precast Inlet Top With Metal Frame And Cover .....	2,431.56	179.95
<b>33 42 36</b>	<b>Stormwater Trench Drains <small>(33 42)</small></b>		
33 42 36 00-0001	Modular Trench Drains <small>(33 42 36)</small>		
33 42 36 00-0002	Modular Trench Drains <small>(33 42 36 00-0001)</small> Note: Excludes grates. See CSI section 33 42 36 00-0118 for grates.		
33 42 36 00-0003	4" Wide, Modular Trench Drains <small>(33 42 36 00-0002)</small>		
33 42 36 00-0004	4 Wide, High Density Polyethylene, Shallow Modular Trench Drains <small>(33 42 36 00-0003)</small>		
33 42 36 00-0005	4 Wide, High Density Polyethylene, Shallow Modular Trench Drains <small>(33 42 36 00-0004)</small>		
33 42 36 00-0006	LF 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain (Zurn Z844-C) .....	34.02	7.76
	For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	29.64	
	For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	59.29	
	For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	94.86	
	For Type 304 Stainless Steel Top Veneer Frame, Add	23.72	
	For Aluminum Veneer Bronze Anodized Frame, Add	11.86	
33 42 36 00-0007	Outlet Adapters For 4 Wide, High Density Polyethylene, Shallow Modular Trench Drains <small>(33 42 36 00-0004)</small>		
33 42 36 00-0008	EA Closed End Cap For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain .....	26.56	
33 42 36 00-0009	EA No-Hub End Outlet For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain .....	31.41	
33 42 36 00-0010	EA No-Hub Bottom Outlet For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain .....	31.41	
33 42 36 00-0011	6" Wide, Modular Trench Drains <small>(33 42 36 00-0002)</small>		
33 42 36 00-0012	6" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0011)</small>		
33 42 36 00-0013	6" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0012)</small>		
33 42 36 00-0014	LF 6" Wide, High Density Polyethylene, Modular Trench Drain .....	66.39	7.76
	For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	29.64	
	For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	59.29	
	For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	94.86	
	For Type 304 Stainless Steel Top Veneer Frame, Add	23.72	
	For Aluminum Veneer Bronze Anodized Frame, Add	11.86	
33 42 36 00-0015	Outlet Adapters For 6" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0012)</small>		
33 42 36 00-0016	EA Closed End Cap For 6" Wide, High Density Polyethylene, Modular Trench Drains .....	31.03	
33 42 36 00-0017	EA No-Hub End Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains .....	35.88	
33 42 36 00-0018	EA No-Hub Bottom Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains .....	35.88	
33 42 36 00-0019	Other Fittings For 6" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0012)</small>		
33 42 36 00-0020	EA Bottom Dome Strainer For 6" Wide, High Density Polyethylene, Modular Trench Drains .....	55.89	
33 42 36 00-0021	EA Joint Connector For 6" Wide, High Density Polyethylene, Modular Trench Drains .....	55.89	



<b>Utilities</b>	<b>33</b>	<b>33</b>
<b>Stormwater Utilities</b>	<b>33 40</b>	
<b>Stormwater Conveyance</b>	<b>33 42</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0022 EA 90 Degree, 45 Degree, Tee Or Side Outlet Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	261.40	
33 42 36 00-0023 EA Cross For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	498.56	
33 42 36 00-0024 EA Cutting Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	59.29	
<b>33 42 36 00-0025 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0011)</b>		
<b>33 42 36 00-0026 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0025)</b>		
33 42 36 00-0027 LF 6" Wide, Fiber Reinforced Polyester, Modular Trench Drain ..... <i>For Black Acid Resistant Coated Frame, Add</i> <i>For Galvanized Top Frame Assembly, Add</i> <i>For Type 304 Stainless Steel Top Frame Assembly, Add</i>	94.25 22.53 22.53 83.01	7.76
<b>33 42 36 00-0028 Outlet Adapters For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0025)</b>		
33 42 36 00-0029 EA Closed End Cap For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	33.41	
33 42 36 00-0030 EA No-Hub End Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	38.26	
33 42 36 00-0031 EA No-Hub Bottom Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	38.26	
<b>33 42 36 00-0032 Other Fittings For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0025)</b>		
33 42 36 00-0033 EA Bottom Dome Strainer For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	55.89	
33 42 36 00-0034 EA Joint Connector For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	55.89	
33 42 36 00-0035 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	261.40	
33 42 36 00-0036 EA Cross For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	498.56	
33 42 36 00-0037 EA Cutting Charge For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	59.29	
<b>33 42 36 00-0038 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0011)</b>		
<b>33 42 36 00-0039 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0038)</b>		
33 42 36 00-0040 LF 6" Wide, Vinylester Fiberglass, Modular Trench Drain..... <i>For Black Acid Resistant Coated Frame, Add</i> <i>For Galvanized Top Frame Assembly, Add</i> <i>For Type 304 Stainless Steel Top Frame Assembly, Add</i>	120.34 22.53 22.53 83.01	7.76
<b>33 42 36 00-0041 Outlet Adapters For 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0038)</b>		
33 42 36 00-0042 EA Closed End Cap For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	52.38	
33 42 36 00-0043 EA No-Hub End Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	57.23	
33 42 36 00-0044 EA No-Hub Bottom Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	57.23	
<b>33 42 36 00-0045 Other Fittings For 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0038)</b>		
33 42 36 00-0046 EA Bottom Dome Strainer For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	55.89	
33 42 36 00-0047 EA Joint Connector For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	55.89	
33 42 36 00-0048 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	261.40	
33 42 36 00-0049 EA Cross For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	498.56	
33 42 36 00-0050 EA Cutting Charge For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	59.29	
<b>33 42 36 00-0051 6" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0011)</b>		
<b>33 42 36 00-0052 6" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0051)</b>		
33 42 36 00-0053 LF 6" Wide, Polymer Concrete, Modular Trench Drain .....	263.74	
<b>33 42 36 00-0054 Outlet Adapters For 6" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0051)</b>		
33 42 36 00-0055 EA Closed End Cap For 6" Wide, Polymer Concrete, Modular Trench Drain.....	103.57	
33 42 36 00-0056 EA No-Hub End Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain.....	125.36	
33 42 36 00-0057 EA No-Hub Bottom Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain.....	36.70	
<b>33 42 36 00-0058 12" Wide, Modular Trench Drains (33 42 36 00-0002)</b>		
<b>33 42 36 00-0059 12" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0058)</b>		
<b>33 42 36 00-0060 12" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0059)</b>		
33 42 36 00-0061 LF 12" Wide, High Density Polyethylene, Modular Trench Drain..... <i>For Acid Resistant Coated Top Frame, Add</i> <i>For Galvanized Welded Frame Assembly, Add</i> <i>For Type 304 Stainless Steel Top Frame, Add</i>	122.11 30.83 32.31 184.98	10.66
<b>33 42 36 00-0062 Outlet Adapters For 12" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0059)</b>		



**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0063 EA End Cap For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	61.54	
33 42 36 00-0064 EA No-Hub End Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	68.01	
33 42 36 00-0065 EA No-Hub Bottom Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	68.01	
<b>33 42 36 00-0066 Other Fittings For 12" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0059)</b>		
33 42 36 00-0067 EA Bottom Dome Strainer For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	98.89	
33 42 36 00-0068 EA Joint Connector For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	128.53	
33 42 36 00-0069 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	511.60	
33 42 36 00-0070 EA Cross For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	985.92	
33 42 36 00-0071 EA Cutting Charges For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	118.58	
<b>33 42 36 00-0072 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0058)</b>		
<b>33 42 36 00-0073 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0072)</b>		
33 42 36 00-0074 LF 12" Wide, Fiber Reinforced Polyester, Modular Trench Drain.....	151.76	10.66
For Acid Resistant Coated Top Frame, Add	30.83	
For Galvanized Welded Frame Assembly, Add	32.31	
For Type 304 Stainless Steel Top Frame, Add	184.98	
<b>33 42 36 00-0075 Outlet Adapters For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0072)</b>		
33 42 36 00-0076 EA End Cap For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	63.91	
33 42 36 00-0077 EA No-Hub End Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	70.38	
33 42 36 00-0078 EA No-Hub Bottom Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	70.38	
<b>33 42 36 00-0079 Other Fittings For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0072)</b>		
33 42 36 00-0080 EA Bottom Dome Strainer For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	98.89	
33 42 36 00-0081 EA Joint Connector For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	128.53	
33 42 36 00-0082 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	511.60	
33 42 36 00-0083 EA Cross For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	985.92	
33 42 36 00-0084 EA Cutting Charges For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	118.58	
<b>33 42 36 00-0085 12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0058)</b>		
<b>33 42 36 00-0086 12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0085)</b>		
33 42 36 00-0087 LF 12" Wide, Vinylester Fiberglass, Modular Trench Drain.....	211.05	10.66
For Acid Resistant Coated Top Frame, Add	30.83	
For Galvanized Welded Frame Assembly, Add	32.31	
For Type 304 Stainless Steel Top Frame, Add	184.98	
<b>33 42 36 00-0088 Outlet Adapters For 12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0085)</b>		
33 42 36 00-0089 EA End Cap For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	152.84	
33 42 36 00-0090 EA No-Hub End Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	159.31	
33 42 36 00-0091 EA No-Hub Bottom Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	159.31	
<b>33 42 36 00-0092 Other Fittings For 12" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0085)</b>		
33 42 36 00-0093 EA Bottom Dome Strainer For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	98.89	
33 42 36 00-0094 EA Joint Connector For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	128.53	
33 42 36 00-0095 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	511.60	
33 42 36 00-0096 EA Cross For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	985.92	
33 42 36 00-0097 EA Cutting Charges For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	118.58	
<b>33 42 36 00-0098 12" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0058)</b>		
<b>33 42 36 00-0099 12" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0098)</b>		
33 42 36 00-0100 LF 12" Wide, Polymer Concrete, Modular Trench Drain.....	353.77	
<b>33 42 36 00-0101 Outlet Adapters For 12" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0098)</b>		
33 42 36 00-0102 EA Closed End Cap For 12" Wide, Polymer Concrete, Modular Trench Drain.....	177.23	
33 42 36 00-0103 EA No-Hub End Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain.....	306.24	
33 42 36 00-0104 EA No-Hub Bottom Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain.....	66.27	
<b>33 42 36 00-0105 23" Wide, Modular Trench Drains (33 42 36 00-0002)</b>		
<b>33 42 36 00-0106 23" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0105)</b>		



	<b>Utilities</b>	<b>33</b>	
	<b>Stormwater Utilities</b>	<b>33 40</b>	<b>33</b>
	<b>Stormwater Conveyance</b>	<b>33 42</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 42 36 00-0107</b> 23" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0106)</small>		
33 42 36 00-0108 LF 23" Wide, High Density Polyethylene, Modular Trench Drain.....	170.73	14.54
<i>For Acid Resistant Coated Frame, Add</i>	46.25	
<i>For Galvanized Frame Assembly, Add</i>	46.25	
<i>For Type 304 Stainless Steel Top Frame, Add</i>	284.59	
<b>33 42 36 00-0109</b> Outlet Adapters For 23" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0106)</small>		
33 42 36 00-0110 EA End Cap For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	187.99	
33 42 36 00-0111 EA No-Hub End Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	280.25	
33 42 36 00-0112 EA No-Hub Bottom Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	280.25	
<b>33 42 36 00-0113</b> Other Fittings For 23" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 42 36 00-0106)</small>		
33 42 36 00-0114 EA Bottom Dome Strainer For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	222.06	
33 42 36 00-0115 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	1,009.22	
33 42 36 00-0116 EA Cross For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	1,957.86	
33 42 36 00-0117 EA Cutting Charges For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	237.16	
<b>33 42 36 00-0118</b> Modular Trench Drain Grates <small>(33 42 36 00-0001)</small>		
<b>33 42 36 00-0119</b> 4" Wide, Modular Trench Drain Grates <small>(33 42 36 00-0118)</small>		
33 42 36 00-0120 LF 4" Wide, Polypropylene, Silver Heel Proof, Modular Trench Drain Grate (Zurn Z884-P4-HPP) .....	23.93	1.45
33 42 36 00-0121 LF 4" Wide, Class C Cast Iron, Modular Trench Drain Grate (Zurn Z884-P4-CG).....	25.20	1.45
33 42 36 00-0122 LF 4" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FG) .....	20.13	1.45
33 42 36 00-0123 LF 4" Wide, Stainless Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FS) .....	54.93	1.45
33 42 36 00-0124 LF 4" Wide, Galvanized Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FG).....	20.13	1.45
33 42 36 00-0125 LF 4" Wide, Stainless Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FS) .....	54.93	1.45
<b>33 42 36 00-0126</b> 6" Wide, Modular Trench Drain Grates <small>(33 42 36 00-0118)</small>		
33 42 36 00-0127 LF 6" Wide, Galvanized Ductile Iron Cast Bar, Modular Trench Drain Grate .....	59.34	1.45
33 42 36 00-0128 LF 6" Wide, Ductile Iron Cast Bar, Modular Trench Drain Grate.....	50.39	1.45
33 42 36 00-0129 LF 6" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate .....	52.88	1.45
33 42 36 00-0130 LF 6" Wide, Ductile Iron Slotted, Modular Trench Drain Grate.....	46.29	1.45
33 42 36 00-0131 LF 6" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	49.85	1.45
33 42 36 00-0132 LF 6" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate.....	50.44	1.45
33 42 36 00-0133 LF 6" Wide, Ductile Iron Longitudinal Slotted, Modular Trench Drain Grate .....	50.44	1.45
33 42 36 00-0134 LF 6" Wide, Galvanized Cast Iron Slotted, Modular Trench Drain Grate .....	49.85	1.45
33 42 36 00-0135 LF 6" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate.....	43.92	1.45
33 42 36 00-0136 LF 6" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate .....	43.92	1.45
33 42 36 00-0137 LF 6" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate .....	46.65	1.45
33 42 36 00-0138 LF 6" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate.....	46.65	1.45
33 42 36 00-0139 LF 6" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate .....	60.52	1.45
33 42 36 00-0140 LF 6" Wide, Perforated Stainless Steel, Modular Trench Drain Grate .....	60.52	1.45
33 42 36 00-0141 LF 6" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate.....	110.33	1.45
33 42 36 00-0142 LF 6" Wide, Reinforced Perforated Stainless Steel, Modular Trench Drain Grate .....	110.33	1.45
33 42 36 00-0143 LF 6" Wide, Stainless Steel Bar, Modular Trench Drain Grate.....	305.98	1.45
33 42 36 00-0144 LF 6" Wide, Heel Proof Polyethylene, Modular Trench Drain Grate .....	41.55	1.45
33 42 36 00-0145 LF 6" Wide, Fiberglass, Modular Trench Drain Grate .....	88.98	1.45
<b>33 42 36 00-0146</b> 12" Wide, Modular Trench Drain Grates <small>(33 42 36 00-0118)</small>		
33 42 36 00-0147 LF 12" Wide, Black Acid Resistant Coated Ductile Iron, Modular Trench Drain Grate.....	162.75	1.57
33 42 36 00-0148 LF 12" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate .....	155.64	1.57
33 42 36 00-0149 LF 12" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	135.48	1.57
33 42 36 00-0150 LF 12" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate.....	142.30	1.57
33 42 36 00-0151 LF 12" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate .....	123.03	1.57
33 42 36 00-0152 LF 12" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate .....	240.13	1.57
33 42 36 00-0153 LF 12" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate.....	240.13	1.57
33 42 36 00-0154 LF 12" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate .....	306.23	1.57
33 42 36 00-0155 LF 12" Wide, Perforated Stainless Steel, Modular Trench Drain Grate .....	306.23	1.57
33 42 36 00-0156 LF 12" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate.....	390.72	1.57
33 42 36 00-0157 LF 12" Wide, Reinforced Perforated Stainless Steel Slotted, Modular Trench Drain Grate.....	390.72	1.57
33 42 36 00-0158 LF 12" Wide, Stainless Steel Cast Bar, Modular Trench Drain Grate .....	370.86	1.57
33 42 36 00-0159 LF 12" Wide, Fiberglass, Modular Trench Drain Grate .....	175.50	1.57
<b>33 42 36 00-0160</b> 23" Wide, Modular Trench Drain Grates <small>(33 42 36 00-0118)</small>		
33 42 36 00-0161 LF 23" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate .....	256.67	1.70
33 42 36 00-0162 LF 23" Wide, Ductile Iron Slotted, Modular Trench Drain Grate.....	216.35	1.70
33 42 36 00-0163 LF 23" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	334.93	1.70
33 42 36 00-0164 LF 23" Wide, Heel Proof Longitudinal Ductile Iron, Modular Trench Drain Grate.....	248.37	1.70

**33 44 Storm Utility Water Drains** (33 40)



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

### 33 44 33 Stormwater Trash and Debris Guards (33 44)

33 44 33 00-0001	EA	Storm Water Trash Collection (33 44 33)		
33 44 33 00-0002	EA	Trash Racks And Debris Cages For Storm Water Structures (33 44 33 00-0001)		
33 44 33 00-0003	EA	High Density Polyethylene (HDPE) Structural Trash Rack And Debris Cage (33 44 33 00-0002)		
33 44 33 00-0004	EA	30" Diameter High Density Polyethylene (HDPE) Pyramid Trash Rack..... Note: For 24" inside diameter concrete pipe.	1,241.84	60.27
33 44 33 00-0005	EA	44" Diameter High Density Polyethylene (HDPE) Pyramid Trash Rack..... Note: For 36" inside diameter concrete pipe.	1,465.87	66.30
33 44 33 00-0006	EA	58" Diameter High Density Polyethylene (HDPE) Pyramid Trash Rack..... Note: For 48" inside diameter concrete pipe.	2,065.13	75.35
33 44 33 00-0007	EA	72" Diameter High Density Polyethylene (HDPE) Pyramid Trash Rack..... Note: For 60" inside diameter concrete pipe.	2,640.09	90.41
33 44 33 00-0008	SF	Up To 4 SF Opening Flat Roof High Density Polyethylene (HDPE) Trash Rack .....	108.11	9.04
33 44 33 00-0009	SF	>4 To 8 SF Opening Flat Roof High Density Polyethylene (HDPE) Trash Rack.....	76.89	7.54
33 44 33 00-0010	SF	>8 To 12 SF Opening Flat Roof High Density Polyethylene (HDPE) Trash Rack.....	61.15	6.03
33 44 33 00-0011	SF	>12 To 20 SF Opening Flat Roof High Density Polyethylene (HDPE) Trash Rack.....	54.17	5.27
33 44 33 00-0012	SF	>20 To 35 SF Opening Flat Roof High Density Polyethylene (HDPE) Trash Rack.....	51.25	4.52
33 44 33 00-0013	SF	>35 To 55 SF Opening Flat Roof High Density Polyethylene (HDPE) Trash Rack.....	46.51	3.78
33 44 33 00-0014	SF	Up To 4 SF Opening Arched Roof High Density Polyethylene (HDPE) Trash Rack.....	132.13	9.04
33 44 33 00-0015	SF	>4 To 8 SF Opening Arched Roof High Density Polyethylene (HDPE) Trash Rack .....	93.61	7.54
33 44 33 00-0016	SF	>8 To 12 SF Opening Arched Roof High Density Polyethylene (HDPE) Trash Rack .....	74.42	6.03
33 44 33 00-0017	SF	>12 To 20 SF Opening Arched Roof High Density Polyethylene (HDPE) Trash Rack .....	65.96	5.27
33 44 33 00-0018	SF	>20 To 35 SF Opening Arched Roof High Density Polyethylene (HDPE) Trash Rack .....	62.56	4.52
33 44 33 00-0019	SF	>35 To 55 SF Opening Arched Roof High Density Polyethylene (HDPE) Trash Rack .....	56.88	3.78

### 33 44 33 00-0020 Galvanized Steel Structural Trash Rack And Debris Cage (33 44 33 00-0002)

33 44 33 00-0021	EA	30" Diameter Galvanized Steel Pyramid Trash Rack With Baffle .....	2,183.52	90.41
		Note: For 24" inside diameter concrete pipe.		
33 44 33 00-0022	EA	44" Diameter Galvanized Steel Pyramid Trash Rack With Baffle .....	2,712.94	100.46
		Note: For 36" inside diameter concrete pipe.		
33 44 33 00-0023	EA	58" Diameter Galvanized Steel Pyramid Trash Rack With Baffle .....	3,093.17	112.52
		Note: For 48" inside diameter concrete pipe.		
33 44 33 00-0024	EA	72" Diameter Galvanized Steel Pyramid Trash Rack With Baffle .....	3,428.55	135.62
		Note: For 60" inside diameter concrete pipe.		
33 44 33 00-0025	SF	Up To 4 SF Opening Flat Roof Galvanized Steel Trash Rack .....	128.56	13.56
33 44 33 00-0026	SF	>4 To 8 SF Opening Flat Roof Galvanized Steel Trash Rack.....	91.95	11.31
33 44 33 00-0027	SF	>8 To 12 SF Opening Flat Roof Galvanized Steel Trash Rack.....	73.13	9.04
33 44 33 00-0028	SF	>12 To 20 SF Opening Flat Roof Galvanized Steel Trash Rack.....	64.76	7.91
33 44 33 00-0029	SF	>20 To 35 SF Opening Flat Roof Galvanized Steel Trash Rack.....	61.04	6.78
33 44 33 00-0030	SF	>35 To 55 SF Opening Flat Roof Galvanized Steel Trash Rack.....	55.25	5.65

### 33 44 36 Oil and Stormwater Separators (33 44)

33 44 36 00-0001	EA	Oil Water Separator (33 44 36) Note: Complete with internal sensors and detectors.		
33 44 36 00-0002	EA	Coalescing Oil Water Separator (33 44 36 00-0001) Note: Underground tank with interior polyurethane coating. Includes manways, coalescer, inlet and outlet spools, pump mount, 2" level sensor pipe and 4" pump out pipe. HighGuard as manufactured by Highland Tank, Stoystown, PA.		
33 44 36 00-0003	EA	Single Wall Steel Coalescing Oil Water Separator (33 44 36 00-0002)		
33 44 36 00-0004	EA	550 Gallon, 55 GPM Single Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	11,427.76	
		For Interior Polyurethane Coating, Add	711.00	
33 44 36 00-0005	EA	1,000 Gallon, 100 GPM Single Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 1000. 4' diameter x 14' long tank.	13,758.99	
		For Interior Polyurethane Coating, Add	893.70	
33 44 36 00-0006	EA	2,000 Gallon, 200 GPM Single Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	16,268.70	
		For Interior Polyurethane Coating, Add	1,340.10	
33 44 36 00-0007	EA	Double Wall Steel Coalescing Oil Water Separator (33 44 36 00-0002)		
33 44 36 00-0008	EA	550 Gallon, 55 GPM Double Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	17,196.46	
		For Interior Polyurethane Coating, Add	711.00	
33 44 36 00-0009	EA	1,000 Gallon, 100 GPM Double Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 1000. 4' diameter x 14' long tank.	19,623.52	
		For Interior Polyurethane Coating, Add	893.70	
33 44 36 00-0010	EA	2,000 Gallon, 200 GPM Double Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	23,755.93	
		For Interior Polyurethane Coating, Add	1,340.10	
33 44 36 00-0011	EA	3,000 Gallon, 300 GPM Double Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 3000. 5'-4" diameter x 21'-4" long tank.	27,497.22	
		For Interior Polyurethane Coating, Add	1,550.70	
33 44 36 00-0012	EA	5,000 Gallon, 500 GPM Double Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 5000. 6' diameter x 28'-8" long tank.	36,006.50	
		For Interior Polyurethane Coating, Add	2,057.80	



	<b>Utilities</b>	<b>33</b>	
	<b>Stormwater Utilities</b>	<b>33 40</b>	<b>33</b>
	<b>Storm Utility Water Drains</b>	<b>33 44</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 44 36 00-0013</b> Accessories For Coalescing Oil Water Separators <small>(33 44 36 00-0002)</small>		
33 44 36 00-0014 EA Single Channel Alarm Panel For Coalescing Oil Water Separator ..... Note: HTAP1.	670.58	
33 44 36 00-0015 EA Two Channel Alarm Panel For Coalescing Oil Water Separator..... Note: HTAP2.	910.98	
33 44 36 00-0016 EA Float Interface Sensor For Coalescing Oil Water Separator..... Note: Required for UL 2215 label.	539.00	
33 44 36 00-0017 EA 1-1/2" Liquid Only Sensor For Coalescing Oil Water Separator ..... Note: Required for UL 2215 label.	399.32	
33 44 36 00-0018 EA Polyvinyl Chloride (PVC) Cap For 2" Sensor For Coalescing Oil Water Separator..... Note: Required for UL 2215 label.	137.40	
33 44 36 00-0019 EA 550, 1,000 Or 2,000 Gallon Tank Concrete Deadmen Set (2 Each) For Coalescing Oil Water Separator .....	2,189.62	
33 44 36 00-0020 EA 3,000 Gallon Tank Concrete Deadmen Set (4 Each) For Coalescing Oil Water Separator .....	4,379.25	
33 44 36 00-0021 EA 5,000 Gallon Tank Concrete Deadmen Set (6 Each) For Coalescing Oil Water Separator .....	6,568.91	
33 44 36 00-0022 EA 550 Or 1,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator .....	381.83	
33 44 36 00-0023 EA 2,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator .....	456.33	
33 44 36 00-0024 EA 3,000 Gallon Tank Polyester Hold Down Straps (4 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator .....	912.66	
33 44 36 00-0025 EA 5,000 Gallon Tank Polyester Hold Down Straps (6 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator .....	2,067.44	
33 44 36 00-0026 EA 30" Diameter Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	556.44	
33 44 36 00-0027 EA 36" Diameter Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	730.47	
33 44 36 00-0028 EA 48" Diameter Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	1,020.90	
33 44 36 00-0029 EA 54" x 54" Grade Level Manway For Coalescing Oil Water Separator ..... Note: Required when installed in paved areas.	1,891.62	
33 44 36 00-0030 EA 66" x 54" Grade Level Manway For Coalescing Oil Water Separator ..... Note: Required when installed in paved areas.	2,443.39	
33 44 36 00-0031 EA 66" x 66" Grade Level Manway For Coalescing Oil Water Separator ..... Note: Required when installed in paved areas.	3,076.63	
33 44 36 00-0032 EA 78" x 66" Grade Level Manway For Coalescing Oil Water Separator ..... Note: Required when installed in paved areas.	3,889.15	
33 44 36 00-0033 EA 550 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator.....	776.43	
33 44 36 00-0034 EA 1,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator .....	946.38	
33 44 36 00-0035 EA 2,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator .....	1,486.50	
33 44 36 00-0036 EA 550 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator .....	740.34	
33 44 36 00-0037 EA 1,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator .....	898.65	
33 44 36 00-0038 EA 2,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator .....	1,066.28	
33 44 36 00-0039 EA 18" Manhole Gasket (Material Only) For Coalescing Oil Water Separator .....	62.86	
33 44 36 00-0040 EA 24" Manhole Gasket (Material Only) For Coalescing Oil Water Separator .....	71.01	
<b>33 44 36 00-0041</b> Oil Skimmers <small>(33 44 36)</small>		
<b>33 44 36 00-0042</b> Oil Skimmers, 12" And 24" Models <small>(33 44 36 00-0041)</small>		
33 44 36 00-0043 EA Oil Skimmers, TENV, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase.....	4,631.51	391.19
33 44 36 00-0044 EA Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase .....	4,867.31	391.19
33 44 36 00-0045 EA Oil Skimmers, TENV, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase.....	4,653.35	391.19
33 44 36 00-0046 EA Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase .....	4,955.73	391.19
33 44 36 00-0047 EA Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase .....	4,901.15	391.19
33 44 36 00-0048 EA Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase .....	5,100.92	391.19
33 44 36 00-0049 EA Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase.....	4,952.45	391.19
33 44 36 00-0050 EA Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase .....	5,253.75	391.19
33 44 36 00-0051 EA Oil Skimmers, TENV, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase.....	5,145.72	521.70
33 44 36 00-0052 EA Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase .....	5,397.89	521.70
33 44 36 00-0053 EA Oil Skimmers, TENV, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase.....	5,212.31	521.70
33 44 36 00-0054 EA Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase.....	5,574.74	521.70
33 44 36 00-0055 EA Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase .....	5,783.24	521.70
33 44 36 00-0056 EA Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase .....	6,035.41	521.70
33 44 36 00-0057 EA Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase.....	5,836.73	521.70
33 44 36 00-0058 EA Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase .....	6,200.25	521.70
<b>33 44 36 00-0059</b> Oil Skimmers, Add-Ons <small>(33 44 36 00-0041)</small>		
33 44 36 00-0060 LF Add For Belt Projection, 12" Width.....	16.37	
33 44 36 00-0061 LF Add For Belt Projection, 24" Width.....	30.57	
33 44 36 00-0062 LF Add For Spacer Stands, 12" Models.....	226.75	
33 44 36 00-0063 LF Add For Spacer Stands, 24" Models.....	274.78	
<b>33 44 36 00-0064</b> Inclined Plate Hydrodynamic Separator <small>(33 44 36)</small>		
Note: Includes precast base, riser and lid slab, aluminum incline plate assembly, sludge dispersion manifold, oil sorbent booms, two manhole frames and covers, and joint sealer. Terre Kleen as manufactured by Terre Hill Storm Water Systems, Terre Hill, PA.		
33 44 36 00-0065 EA 4'-6" x 6'-0" x 8'-10" Inclined Plate Hydrodynamic Separator (Terre Hill TK09) .....	25,111.93	
For Each VLF Of Riser, Add	450.00	

<b>33</b>	<b>Utilities</b>
<b>33 40</b>	<b>Stormwater Utilities</b>
<b>33 44</b>	<b>Storm Utility Water Drains</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44	36 00-0066	EA	6'-6" x 6'-0" x 8'-10" Inclined Plate Hydrodynamic Separator (Terre Hill TK18).....	39,339.33	
			<i>For Each VLF Of Riser, Add</i>	525.00	
33 44	36 00-0067	EA	8'-6" x 6'-0" x 8'-10" Inclined Plate Hydrodynamic Separator (Terre Hill TK27).....	47,099.73	
			<i>For Each VLF Or Riser, Add</i>	600.00	
<b>33 46 Stormwater Management</b> <small>(33 40)</small>					
<b>33 46 23 Modular Buried Stormwater Storage Units</b> <small>(33 46)</small>					
33 46 23 00-0001			<b>Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™)</b> <small>(33 46 23)</small>		
			Note: Includes chambers and end caps delivery to site. Excludes excavation and earthwork, foundation stone, embedment and perimeter stone, geotextile fabrics and cutting holes in chambers. See CSI section 31 05 16 00-0000 for aggregate (foundation, embedment and perimeter stone), 31 23 16 36-0000 for excavation and earth backfill, 31 32 19 16-0000 for woven and non-woven geotextile fabric.		
33 46 23 00-0002			<b>85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)</b> <small>(33 46 23 00-0001)</small>		
33 46 23 00-0003	EA		Up To 10, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740) .....	325.83	
33 46 23 00-0004	EA		>10 To 20, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740) .....	301.20	
33 46 23 00-0005	EA		>20 To 30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740) .....	283.17	
33 46 23 00-0006	EA		>30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740) .....	265.74	
33 46 23 00-0007	EA		Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740).....	133.00	
33 46 23 00-0008	EA		>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740) .....	118.01	
33 46 23 00-0009	EA		>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740) .....	109.14	
33 46 23 00-0010	EA		>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740) .....	100.41	
33 46 23 00-0011			<b>85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)</b> <small>(33 46 23 00-0001)</small>		
33 46 23 00-0012	EA		Up To 10, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310) .....	184.16	
33 46 23 00-0013	EA		>10 To 20, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310) .....	169.01	
33 46 23 00-0014	EA		>20 To 30, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310) .....	158.32	
33 46 23 00-0015	EA		>30, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310) .....	148.54	
33 46 23 00-0016	EA		Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310).....	103.68	
33 46 23 00-0017	EA		>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310) .....	92.55	
33 46 23 00-0018	EA		>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310) .....	85.68	
33 46 23 00-0019	EA		>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310) .....	79.52	
33 46 23 00-0020			<b>90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)</b> <small>(33 46 23 00-0001)</small>		
33 46 23 00-0021	EA		Up To 10, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500).....	557.38	
33 46 23 00-0022	EA		>10 To 20, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500).....	520.13	
33 46 23 00-0023	EA		>20 To 30, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500).....	490.04	
33 46 23 00-0024	EA		>30, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500).....	462.56	
33 46 23 00-0025	EA		Up To 10, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500) .....	468.67	
33 46 23 00-0026	EA		>10 To 20, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500).....	435.85	
33 46 23 00-0027	EA		>20 To 30, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500).....	409.98	
33 46 23 00-0028	EA		>30, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500).....	386.50	
33 46 23 00-0029			<b>85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780)</b> <small>(33 46 23 00-0001)</small>		
33 46 23 00-0030	EA		Up To 10, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780).....	338.55	
33 46 23 00-0031	EA		>10 To 20, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780).....	313.30	
33 46 23 00-0032	EA		>20 To 30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780).....	294.65	
33 46 23 00-0033	EA		>30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780).....	276.64	
33 46 23 00-0034	EA		Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780).....	133.00	
33 46 23 00-0035	EA		>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780) .....	115.61	
33 46 23 00-0036	EA		>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780) .....	109.14	



	<b>Utilities</b>	<b>33</b>	
	<b>Stormwater Utilities</b>	<b>33 40</b>	<b>33</b>
	<b>Stormwater Management</b>	<b>33 46</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 46 23 00-0037	EA	>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780).....	100.41	
<b>33 46 23 00-0038</b>		<b>52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500)</b> <small>(33 46 23 00-0001)</small>		
33 46 23 00-0039	EA	Up To 10, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500).....	579.00	
33 46 23 00-0040	EA	>10 To 20, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500).....	539.66	
33 46 23 00-0041	EA	>20 To 30, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500).....	507.46	
33 46 23 00-0042	EA	>30, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500).....	479.41	
33 46 23 00-0043	EA	Up To 10, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500).....	722.63	
33 46 23 00-0044	EA	>10 To 20, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500).....	676.09	
33 46 23 00-0045	EA	>20 To 30, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500).....	637.08	
33 46 23 00-0046	EA	>30, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500).....	602.56	

<b>33 46 23 00-0047</b>		<b>Cut Opening In Polypropylene Corrugated Wall Stormwater Collection Chambers</b> <small>(33 46 23 00-0001)</small>		
33 46 23 00-0048	EA	Cut Up To 6" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap .....	33.61	
33 46 23 00-0049	EA	Cut >6" To 12" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap .....	42.65	
33 46 23 00-0050	EA	Cut >12" To 24" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap .....	55.74	
33 46 23 00-0051	EA	Cut >24" To 36" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap .....	70.42	
33 46 23 00-0052	EA	12" x 6" Inspection Port Kit .....	410.96	
		Note: (2712AG6IPKIT)		

**33 46 53 Stormwater Leaching Pits** (33 46)

<b>33 46 53 00-0001</b>		<b>Drainage Wells</b> <small>(33 46 53)</small>		
		Note: Includes augering hole.		
33 46 53 00-0002	LF	12" Diameter Drainage Well With Corrugated Metal Liner.....	15.65	
33 46 53 00-0003	LF	18" Diameter Drainage Well With Corrugated Metal Liner.....	19.57	
33 46 53 00-0004	LF	24" Diameter Drainage Well With Corrugated Metal Liner.....	26.91	

**33 46 59 Concrete Modular Biofiltration Cells** (33 46)

<b>33 46 59 00-0001</b>		<b>Filterra® Stormwater Bioretention Filtration System</b> <small>(33 46 59)</small>		
		Note: Includes concrete box and top, engineered media, hardwood mulch, internal underdrain system and clean out, plant, standard tree grate and two maintenance visits in the first year.		
33 46 59 00-0002	EA	4' x 4' x 4' Deep, Precast Concrete Filterra® Stormwater Bioretention Filtration System .....	9,918.77	
33 46 59 00-0003	EA	4' x 6' x 4' Deep, Precast Concrete Filterra® Stormwater Bioretention Filtration System .....	10,885.39	
33 46 59 00-0004	EA	4' x 8' x 4' Deep, Precast Concrete Filterra® Stormwater Bioretention Filtration System .....	11,862.12	
33 46 59 00-0005	EA	6' x 6' x 4' Deep, Precast Concrete Filterra® Stormwater Bioretention Filtration System .....	12,850.38	
33 46 59 00-0006	EA	3' x 8' x 4' Deep, Precast Concrete Filterra® Stormwater Bioretention Filtration System .....	13,791.97	
33 46 59 00-0007	EA	6' x 8' x 4' Deep, Precast Concrete Filterra® Stormwater Bioretention Filtration System .....	15,811.16	
33 46 59 00-0008	EA	4' x 12' x 4' Deep, Precast Concrete Filterra® Stormwater Bioretention Filtration System .....	17,314.79	
33 46 59 00-0009	EA	6' x 10' x 4' Deep, Precast Concrete Filterra® Stormwater Bioretention Filtration System .....	19,782.02	
33 46 59 00-0010	EA	6' x 12' x 4' Deep, Precast Concrete Filterra® Stormwater Bioretention Filtration System .....	22,564.85	
33 46 59 00-0011	EA	7' x 13' x 4' Deep, Precast Concrete Filterra® Stormwater Bioretention Filtration System .....	28,442.59	

**33 50 Hydrocarbon Utilities** (33)

**33 52 Hydrocarbon Transmission and Distribution** (33 50)

**33 52 16 Gas Hydrocarbon Piping** (33 52)

**33 52 16 13 Steel Natural Gas Piping** (33 52 16)  
See CSI section 23 05 23 00-0000 for gas valves.

**33 52 16 13-0001 Gas Distribution Lines** (33 52 16 13)  
Note: Excludes excavation and backfill.

**33 52 16 13-0002 Steel, Schedule 40, Plain End, Coal Tar Enamel And Wrapped** (33 52 16 13-0001)

33 52 16 13-0003	LF	1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	10.49	1.64
33 52 16 13-0004	LF	3/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	12.09	1.80
33 52 16 13-0005	LF	1" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	13.82	1.84
33 52 16 13-0006	LF	1-1/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	14.18	1.89
33 52 16 13-0007	LF	1-1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	14.71	1.91
33 52 16 13-0008	LF	2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	15.59	2.06
33 52 16 13-0009	LF	2-1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	21.23	2.29
33 52 16 13-0010	LF	3" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	26.48	2.89
33 52 16 13-0011	LF	4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	35.73	3.48
33 52 16 13-0012	LF	5" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	48.33	4.04
33 52 16 13-0013	LF	6" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	60.78	4.94

**33 Utilities****33 50 Hydrocarbon Utilities****33 52 Hydrocarbon Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 13-0014 LF 8" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	88.56	6.35
<b>33 52 16 13-0015 Gas Line Taps</b> (33 52 16 13-0001) Note: Includes material to tap into main and gas valve.		
<b>33 52 16 13-0016 Polyethylene, 60 PSI</b> (33 52 16 13-0015)		
33 52 16 13-0017 EA 2" Polyethylene Hot Tap, With Valve .....	1,322.92	
33 52 16 13-0018 EA 2-1/2" Polyethylene Hot Tap, With Valve .....	1,096.87	
33 52 16 13-0019 EA 3" Polyethylene Hot Tap, With Valve .....	1,157.77	
33 52 16 13-0020 EA 4" Polyethylene Hot Tap, With Valve .....	2,316.68	
33 52 16 13-0021 EA 6" Polyethylene Hot Tap, With Valve .....	3,592.12	
<b>33 52 16 13-0022 Steel, Schedule 40</b> (33 52 16 13-0015) Note: For punch steel service tee.		
33 52 16 13-0023 EA 1/2" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee .....	1,666.98	
33 52 16 13-0024 EA 3/4" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee .....	1,695.25	
33 52 16 13-0025 EA 3/4" Iron Pipe Size Weld Base, 3/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee .....	1,733.20	
33 52 16 13-0026 EA 3/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee .....	1,770.02	
33 52 16 13-0027 EA 1" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee .....	1,798.21	
33 52 16 13-0028 EA 1-1/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee .....	1,958.66	
33 52 16 13-0029 EA 1-1/4" Iron Pipe Size Weld Base, 1-1/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee .....	2,007.00	
<b>33 52 16 13-0030 Protective Pipe And Fitting Wrap</b> (33 52 16 13-0001) Note: Includes cleaning and priming pipe.		
<b>33 52 16 13-0031 Corrosion Protection Pipe Wrap For Pipe</b> (33 52 16 13-0030) Note: Field applied.		
33 52 16 13-0032 LF 1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe .....	2.99	
33 52 16 13-0033 LF 3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe .....	3.10	
33 52 16 13-0034 LF 1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe .....	3.24	
33 52 16 13-0035 LF 1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe .....	3.67	
33 52 16 13-0036 LF 1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe .....	3.87	
33 52 16 13-0037 LF 2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe .....	4.50	
33 52 16 13-0038 LF 2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe .....	5.63	
33 52 16 13-0039 LF 3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe .....	7.16	
33 52 16 13-0040 LF 4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe .....	9.19	
33 52 16 13-0041 LF 6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe .....	12.46	
<b>33 52 16 13-0042 Corrosion Resistance Wrap And Coat - Fittings</b> (33 52 16 13-0030) Note: Field applied.		
33 52 16 13-0043 EA 1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	12.88	
33 52 16 13-0044 EA 3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	12.88	
33 52 16 13-0045 EA 1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	15.71	
33 52 16 13-0046 EA 1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	18.11	
33 52 16 13-0047 EA 1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	18.11	
33 52 16 13-0048 EA 2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	21.45	
33 52 16 13-0049 EA 2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	28.42	
33 52 16 13-0050 EA 3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	41.77	
33 52 16 13-0051 EA 4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	42.64	
33 52 16 13-0052 EA 6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....	49.55	
<b>33 52 16 13-0053 Service Fittings</b> (33 52 16 13-0001)		
<b>33 52 16 13-0054 Brass Fittings</b> (33 52 16 13-0053)		
33 52 16 13-0055 EA 1/2" X 2" Long Nipples, Threaded Both Ends, Brass .....	23.70	
33 52 16 13-0056 EA 3/4" X 2" Long Nipples, Threaded Both Ends, Brass .....	27.93	
33 52 16 13-0057 EA 1" X 2" Long Nipples, Threaded Both Ends, Brass .....	36.02	
33 52 16 13-0058 EA 1-1/4" X 2" Long Nipples, Threaded Both Ends, Brass .....	45.57	
33 52 16 13-0059 EA 1-1/2" X 2" Long Nipples, Threaded Both Ends, Brass .....	51.56	
33 52 16 13-0060 EA 2" X 2" Long Nipples, Threaded Both Ends, Brass .....	68.91	
33 52 16 13-0061 EA 1/2" 90 Degree Elbow, Brass.....	19.71	
33 52 16 13-0062 EA 3/4" 90 Degree Elbow, Brass.....	22.96	
33 52 16 13-0063 EA 1" 90 Degree Elbow, Brass.....	30.47	
33 52 16 13-0064 EA 1-1/4" 90 Degree Elbow, Brass.....	40.49	
33 52 16 13-0065 EA 1-1/2" 90 Degree Elbow, Brass.....	46.82	
33 52 16 13-0066 EA 2" 90 Degree Elbow, Brass.....	64.46	
33 52 16 13-0067 EA 1/2" Diameter Chrome Plated Nipple .....	16.61	
33 52 16 13-0068 EA 3/4" Diameter Chrome Plated Nipple .....	21.47	
33 52 16 13-0069 EA 1" Diameter Chrome Plated Nipple .....	27.98	
33 52 16 13-0070 EA 1-1/4" Diameter Chrome Plated Nipple.....	39.96	
33 52 16 13-0071 EA 1-1/2" Diameter Chrome Plated Nipple.....	48.64	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 52 16 13-0072	EA		2" Diameter Chrome Plated Nipple.....	66.00	
<b>33 52 16 13-0073</b>			<b>Anodless Gas Riser</b> (33 52 16 13-0053)		
33 52 16 13-0074	EA		3/4" Anodless Gas Riser.....	55.58	
33 52 16 13-0075	EA		1" Anodless Gas Riser.....	68.93	
33 52 16 13-0076	EA		1-1/4" Anodless Gas Riser.....	81.20	
33 52 16 13-0077	EA		1-1/2" Anodless Gas Riser.....	102.26	
33 52 16 13-0078	EA		2" Anodless Gas Riser.....	117.76	

<b>33 52 16 13-0079</b>			<b>Brass Service Adapter</b> (33 52 16 13-0053)		
33 52 16 13-0080	EA		1/2" Brass Service Adapter.....	45.71	
33 52 16 13-0081	EA		3/4" Brass Service Adapter.....	50.31	
33 52 16 13-0082	EA		1" Brass Service Adapter.....	60.58	
33 52 16 13-0083	EA		1-1/4" Brass Service Adapter.....	75.50	
33 52 16 13-0084	EA		1-1/2" Brass Service Adapter.....	92.69	
33 52 16 13-0085	EA		2" Brass Service Adapter.....	113.74	
33 52 16 13-0086	EA		2-1/2" Brass Service Adapter.....	201.77	
33 52 16 13-0087	EA		3" Brass Service Adapter.....	246.95	
33 52 16 13-0088	EA		4" Brass Service Adapter.....	358.67	

**33 52 16 23 Medium Density Polyethylene Piping for Natural Gas** (33 52 16)

<b>33 52 16 23-0001</b>			<b>Medium Density Polyethylene (MDPE) Gas Distribution Piping</b> (33 52 16 23)		
Note: 60 PSI, PE2406/PE2708. Includes couplings, #12 tracer wire, helically wrapped around piping.					
33 52 16 23-0002	LF		1/2" DR 9 (200 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	2.12	1.02
			For Colors, Add	0.02	
33 52 16 23-0003	LF		3/4" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	2.33	1.09
			For DR 13.5 (128 PSI), Deduct	-0.03	
			For Colors, Add	0.02	
33 52 16 23-0004	LF		1" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	2.54	1.17
			For DR 13.5 (128 PSI), Deduct	-0.04	
			For Colors, Add	0.03	
33 52 16 23-0005	LF		1-1/4" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	2.75	1.23
			For DR 13.5 (128 PSI), Deduct	-0.05	
			For Colors, Add	0.03	
33 52 16 23-0006	LF		1-1/2" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	3.07	1.49
			For DR 13.5 (128 PSI), Deduct	-0.07	
			For Colors, Add	0.05	
33 52 16 23-0007	LF		2" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	3.40	1.62
			For DR 13.5 (128 PSI), Deduct	-0.09	
			For DR 15.5 (110 PSI), Deduct	-0.17	
			For Colors, Add	0.06	
33 52 16 23-0008	LF		2-1/2" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	4.03	1.90
			For DR 13.5 (128 PSI), Deduct	-0.15	
			For DR 15.5 (110 PSI), Deduct	-0.28	
			For Colors, Add	0.10	
33 52 16 23-0009	LF		3" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	4.79	2.26
			For DR 13.5 (128 PSI), Deduct	-0.21	
			For DR 15.5 (110 PSI), Deduct	-0.39	
			For Colors, Add	0.14	
33 52 16 23-0010	LF		4" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	6.96	2.32
			For DR 13.5 (128 PSI), Deduct	-0.39	
			For DR 15.5 (110 PSI), Deduct	-0.72	
			For Colors, Add	0.25	
33 52 16 23-0011	LF		5" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	12.13	2.32
			For DR 13.5 (128 PSI), Deduct	-0.54	
			For DR 15.5 (110 PSI), Deduct	-0.99	
			For Colors, Add	0.35	
33 52 16 23-0012	LF		6" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	10.21	2.32
			For DR 13.5 (128 PSI), Deduct	-0.69	
			For DR 15.5 (110 PSI), Deduct	-1.27	
			For Colors, Add	0.45	
33 52 16 23-0013	LF		8" DR 11 (160 PSI) Medium Density Polyethylene (MDPE) Gas Distribution Pipe.....	14.49	2.89
			For DR 13.5 (128 PSI), Deduct	-1.15	
			For DR 15.5 (110 PSI), Deduct	-2.12	
			For Colors, Add	0.74	

**33 53 Hydrocarbon Utility Pressure Regulation** (33 50)

**33 53 16 Gas Hydrocarbon Pressure Regulation** (33 53)

<b>33 53 16 00-0001</b>			<b>Gas Pressure Regulators With Screwed And Flanged Ends</b> (33 53 16)		
33 53 16 00-0002	EA		3/4" Gas Pressure Regulator, Screwed End.....	144.22	11.33
33 53 16 00-0003	EA		1" Gas Pressure Regulator, Screwed End.....	146.79	11.33
33 53 16 00-0004	EA		1-1/4" Gas Pressure Regulator, Screwed End.....	152.96	13.45
33 53 16 00-0005	EA		1-1/2" Gas Pressure Regulator, Screwed End.....	518.81	15.58
33 53 16 00-0006	EA		2" Gas Pressure Regulator, Screwed End.....	551.31	24.12
33 53 16 00-0007	EA		3" Gas Pressure Regulator, Screwed End.....	1,550.33	54.11
33 53 16 00-0008	EA		4" Gas Pressure Regulator, Screwed End.....	2,155.01	71.70



<b>33</b>	<b>Utilities</b>
<b>33 50</b>	<b>Hydrocarbon Utilities</b>
<b>33 53</b>	<b>Hydrocarbon Utility Pressure Regulation</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

### 33 56 Hydrocarbon Storage <sup>(33 50)</sup>

#### 33 56 13 Aboveground Hydrocarbon Storage Tanks <sup>(33 56)</sup>

See CSI section 23 13 23 00-0000 for aboveground storage tanks.

#### 33 56 33 Underground Hydrocarbon Storage <sup>(33 56)</sup>

See CSI section 23 13 13 00-0000 for underground storage tanks.

### 33 59 Hydrocarbon Utility Metering <sup>(33 50)</sup>

#### 33 59 11 Diaphragm/Bellows Hydrocarbons Meters <sup>(33 59)</sup>

##### 33 59 11 00-0001 Diaphragm Meters <sup>(33 59 11)</sup>

Note: With standard direct-digital reading maximum working pressures 5 lbs to 100 lbs, threaded connections. Excludes pressure and temperature compensation.

33 59 11 00-0002	EA	250 CF/Hour Gas Diaphragm Meter At 5 LB, Direct Digital, Threaded.....	349.91	44.33
		<i>For Temperature And Pressure Compensation, Add</i>	8.40	
		<i>For Pulsers, Add</i>	26.50	
33 59 11 00-0003	EA	425 CF/Hour Gas Diaphragm Meter At 10 LB, Direct Digital, Threaded.....	691.62	67.79
		<i>For Temperature And Pressure Compensation, Add</i>	8.40	
		<i>For Pulsers, Add</i>	26.50	
33 59 11 00-0004	EA	425 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded.....	815.71	67.79
		<i>For Temperature And Pressure Compensation, Add</i>	8.40	
		<i>For Pulsers, Add</i>	26.50	
33 59 11 00-0005	EA	800 CF/Hour Gas Diaphragm Meter At 20 LB, Direct Digital, Threaded.....	1,796.98	84.74
		<i>For Temperature And Pressure Compensation, Add</i>	8.40	
		<i>For Pulsers, Add</i>	26.50	
33 59 11 00-0006	EA	1,000 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded.....	2,030.53	104.30
		<i>For Temperature And Pressure Compensation, Add</i>	8.40	
		<i>For Pulsers, Add</i>	26.50	
33 59 11 00-0007	EA	800 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	2,683.66	84.74
		<i>For Temperature And Pressure Compensation, Add</i>	8.40	
		<i>For Pulsers, Add</i>	26.50	
33 59 11 00-0008	EA	1,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	2,984.69	104.30
		<i>For Temperature And Pressure Compensation, Add</i>	8.40	
		<i>For Pulsers, Add</i>	26.50	
33 59 11 00-0009	EA	1,400 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	3,945.82	110.82
		<i>For Temperature And Pressure Compensation, Add</i>	8.40	
		<i>For Pulsers, Add</i>	26.50	
33 59 11 00-0010	EA	2,300 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	5,588.49	130.38
		<i>For Temperature And Pressure Compensation, Add</i>	8.40	
		<i>For Pulsers, Add</i>	26.50	
33 59 11 00-0011	EA	5,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	8,532.54	215.12
		<i>For Temperature And Pressure Compensation, Add</i>	8.40	
		<i>For Pulsers, Add</i>	26.50	

#### 33 59 16 Hydrocarbons Turbine Meters <sup>(33 59)</sup>

##### 33 59 16 00-0001 Gas Turbine Meters With Direct-Digital Reading <sup>(33 59 16)</sup>

Note: Maximum working pressure 175 PSI, flanged end connections.

33 59 16 00-0002	EA	4", 18,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	6,757.17	207.68
33 59 16 00-0003	EA	6", 30,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	7,327.12	241.18
33 59 16 00-0004	EA	8", 60,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	11,366.12	265.89
33 59 16 00-0005	EA	10", 90,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	22,124.68	323.69
33 59 16 00-0006	EA	12", 150,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	36,397.04	404.60

### 33 60 Hydronic And Steam Energy Utilities <sup>(33)</sup>

#### 33 61 Hydronic Energy Distribution <sup>(33 60)</sup>

##### 33 61 13 Buried Hydronic Energy Distribution <sup>(33 61)</sup>

###### 33 61 13 00-0001 Preinsulated Pipe <sup>(33 61 13)</sup>

Note: Includes coupling per full length of pipe. Excludes excavation and backfill. See CSI section 23 01 20 91-0025 for purging of existing system.

###### 33 61 13 00-0002 Preinsulated Schedule 40 Black Steel Pipe <sup>(33 61 13 00-0001)</sup>

Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

###### 33 61 13 00-0003 Standard Black Steel Carrier Pipe <sup>(33 61 13 00-0002)</sup>

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0004	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	41.37	
		<i>For Schedule 80 Pipe, Add</i>	5.51	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.55	
33 61 13 00-0005	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	45.22	
		<i>For Schedule 80 Pipe, Add</i>	6.06	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0006 LF 1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	49.98	
<i>For Schedule 80 Pipe, Add</i>	6.83	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.68	
33 61 13 00-0007 LF 1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	53.36	
<i>For Schedule 80 Pipe, Add</i>	7.33	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.73	
33 61 13 00-0008 LF 2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	56.05	
<i>For Schedule 80 Pipe, Add</i>	7.66	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.77	
33 61 13 00-0009 LF 2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	63.58	
<i>For Schedule 80 Pipe, Add</i>	8.33	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.83	
33 61 13 00-0010 LF 3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	71.75	
<i>For Schedule 80 Pipe, Add</i>	8.99	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.90	
33 61 13 00-0011 LF 4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	90.72	
<i>For Schedule 80 Pipe, Add</i>	11.32	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.13	
33 61 13 00-0012 LF 5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	114.21	
<i>For Schedule 80 Pipe, Add</i>	14.49	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.45	
33 61 13 00-0013 LF 6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	133.03	
<i>For Schedule 80 Pipe, Add</i>	16.82	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.68	
33 61 13 00-0014 LF 8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	181.53	
<i>For Schedule 80 Pipe, Add</i>	24.48	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.45	
33 61 13 00-0015 LF 10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	231.90	
<i>For Schedule 80 Pipe, Add</i>	32.30	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.23	
33 61 13 00-0016 LF 12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	288.08	
<i>For Schedule 80 Pipe, Add</i>	40.30	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.03	
<b>33 61 13 00-0017 Standard Black Steel Carrier Pipe</b> <small>(33 61 13 00-0002)</small>		
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0018 LF 3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	44.12	
<i>For Schedule 80 Pipe, Add</i>	6.06	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.61	
33 61 13 00-0019 LF 1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	48.25	
<i>For Schedule 80 Pipe, Add</i>	6.67	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.67	
33 61 13 00-0020 LF 1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	53.39	
<i>For Schedule 80 Pipe, Add</i>	7.51	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.75	
33 61 13 00-0021 LF 1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	57.03	
<i>For Schedule 80 Pipe, Add</i>	8.06	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.81	
33 61 13 00-0022 LF 2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	59.88	
<i>For Schedule 80 Pipe, Add</i>	8.43	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.84	
33 61 13 00-0023 LF 2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	67.74	
<i>For Schedule 80 Pipe, Add</i>	9.16	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.92	
33 61 13 00-0024 LF 3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	76.24	
<i>For Schedule 80 Pipe, Add</i>	9.89	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.99	
33 61 13 00-0025 LF 4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	96.39	
<i>For Schedule 80 Pipe, Add</i>	12.46	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.25	
33 61 13 00-0026 LF 5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	121.46	
<i>For Schedule 80 Pipe, Add</i>	15.94	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.59	

**33 Utilities****33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0027	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	141.44	
			<i>For Schedule 80 Pipe, Add</i>	18.50	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.85	
33 61	13 00-0028	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	193.76	
			<i>For Schedule 80 Pipe, Add</i>	26.92	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.69	
33 61	13 00-0029	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	248.05	
			<i>For Schedule 80 Pipe, Add</i>	35.53	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.55	
33 61	13 00-0030	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	308.23	
			<i>For Schedule 80 Pipe, Add</i>	44.33	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.43	
<b>33 61</b>	<b>13 00-0031</b>		<b>Standard Black Steel Carrier Pipe</b> <small>(33 61 13 00-0002)</small>		
			Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0032	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	45.50	
			<i>For Schedule 80 Pipe, Add</i>	6.34	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.63	
33 61	13 00-0033	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	49.76	
			<i>For Schedule 80 Pipe, Add</i>	6.97	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.70	
33 61	13 00-0034	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	55.10	
			<i>For Schedule 80 Pipe, Add</i>	7.85	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.79	
33 61	13 00-0035	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	58.86	
			<i>For Schedule 80 Pipe, Add</i>	8.43	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.84	
33 61	13 00-0036	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	61.79	
			<i>For Schedule 80 Pipe, Add</i>	8.81	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.88	
33 61	13 00-0037	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	69.82	
			<i>For Schedule 80 Pipe, Add</i>	9.57	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.96	
33 61	13 00-0038	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	78.49	
			<i>For Schedule 80 Pipe, Add</i>	10.34	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.03	
33 61	13 00-0039	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	99.22	
			<i>For Schedule 80 Pipe, Add</i>	13.02	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.30	
33 61	13 00-0040	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	125.08	
			<i>For Schedule 80 Pipe, Add</i>	16.66	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.67	
33 61	13 00-0041	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	145.64	
			<i>For Schedule 80 Pipe, Add</i>	19.34	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.93	
33 61	13 00-0042	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	199.88	
			<i>For Schedule 80 Pipe, Add</i>	28.15	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.81	
33 61	13 00-0043	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	256.12	
			<i>For Schedule 80 Pipe, Add</i>	37.15	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.71	
33 61	13 00-0044	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	318.30	
			<i>For Schedule 80 Pipe, Add</i>	46.34	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.63	
<b>33 61</b>	<b>13 00-0045</b>		<b>Standard Black Steel Carrier Pipe</b> <small>(33 61 13 00-0002)</small>		
			Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0046	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	47.57	
			<i>For Schedule 80 Pipe, Add</i>	6.75	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.68	
33 61	13 00-0047	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	52.03	
			<i>For Schedule 80 Pipe, Add</i>	7.42	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0048 LF 1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	57.66	
<i>For Schedule 80 Pipe, Add</i>	8.36	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.84	
33 61 13 00-0049 LF 1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	61.60	
<i>For Schedule 80 Pipe, Add</i>	8.97	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.90	
33 61 13 00-0050 LF 2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	64.66	
<i>For Schedule 80 Pipe, Add</i>	9.38	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.94	
33 61 13 00-0051 LF 2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	72.94	
<i>For Schedule 80 Pipe, Add</i>	10.20	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.02	
33 61 13 00-0052 LF 3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	81.86	
<i>For Schedule 80 Pipe, Add</i>	11.01	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.10	
33 61 13 00-0053 LF 4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	103.46	
<i>For Schedule 80 Pipe, Add</i>	13.87	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.39	
33 61 13 00-0054 LF 5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	130.51	
<i>For Schedule 80 Pipe, Add</i>	17.75	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.77	
33 61 13 00-0055 LF 6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	151.95	
<i>For Schedule 80 Pipe, Add</i>	20.60	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.06	
33 61 13 00-0056 LF 8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	209.06	
<i>For Schedule 80 Pipe, Add</i>	29.98	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.00	
33 61 13 00-0057 LF 10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	268.24	
<i>For Schedule 80 Pipe, Add</i>	39.57	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.96	
33 61 13 00-0058 LF 12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	333.41	
<i>For Schedule 80 Pipe, Add</i>	49.36	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.94	
<b>33 61 13 00-0059 Preinsulated Black Steel Fittings</b> <small>(33 61 13 00-0001)</small>		
Note: No excavation or backfill.		
<b>33 61 13 00-0060 Elbows</b> <small>(33 61 13 00-0059)</small>		
<b>33 61 13 00-0061 Elbows</b> <small>(33 61 13 00-0060)</small>		
Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0062 EA 3/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	351.18	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.66	
33 61 13 00-0063 EA 1" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	363.11	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.79	
33 61 13 00-0064 EA 1-1/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	416.40	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.59	
33 61 13 00-0065 EA 1-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	465.65	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.19	
33 61 13 00-0066 EA 2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	533.62	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.49	
33 61 13 00-0067 EA 2-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	622.09	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.79	
33 61 13 00-0068 EA 3" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	721.91	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.99	
33 61 13 00-0069 EA 4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	842.46	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.49	
33 61 13 00-0070 EA 5" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,014.67	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.49	
33 61 13 00-0071 EA 6" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,123.20	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.32	
33 61 13 00-0072 EA 8" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,584.21	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.15	

**33 Utilities****33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0073	EA	10" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,094.62	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.31	
33 61	13 00-0074	EA	12" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,688.77	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.47	
<b>33 61</b>	<b>13 00-0075</b>		<b>Elbows</b> <small>(33 61 13 00-0060)</small>		
			Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0076	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	372.41	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.09	
33 61	13 00-0077	EA	1" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	384.84	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.23	
33 61	13 00-0078	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	441.13	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.09	
33 61	13 00-0079	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	492.62	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.73	
33 61	13 00-0080	EA	2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	561.72	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.06	
33 61	13 00-0081	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	651.31	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.38	
33 61	13 00-0082	EA	3" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	755.63	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.67	
33 61	13 00-0083	EA	4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	881.80	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.28	
33 61	13 00-0084	EA	5" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,065.25	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.50	
33 61	13 00-0085	EA	6" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,180.65	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.47	
33 61	13 00-0086	EA	8" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,667.26	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.81	
33 61	13 00-0087	EA	10" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,200.77	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.43	
33 61	13 00-0088	EA	12" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,829.26	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	40.28	
<b>33 61</b>	<b>13 00-0089</b>		<b>Elbows</b> <small>(33 61 13 00-0060)</small>		
			Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0090	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	393.64	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.51	
33 61	13 00-0091	EA	1" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	406.57	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.66	
33 61	13 00-0092	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	465.86	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.58	
33 61	13 00-0093	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	519.60	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.27	
33 61	13 00-0094	EA	2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	589.82	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.62	
33 61	13 00-0095	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	680.53	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.96	
33 61	13 00-0096	EA	3" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	789.35	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.34	
33 61	13 00-0097	EA	4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	921.14	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.06	
33 61	13 00-0098	EA	5" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,115.83	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.51	
33 61	13 00-0099	EA	6" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,238.10	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0100 EA 8" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,750.31	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.47	
33 61 13 00-0101 EA 10" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	2,306.92	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	32.55	
33 61 13 00-0102 EA 12" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	2,969.76	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	43.09	
<b>33 61 13 00-0103 Elbows</b> <small>(33 61 13 00-0060)</small>		
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0104 EA 3/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	414.87	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.94	
33 61 13 00-0105 EA 1" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	428.30	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.10	
33 61 13 00-0106 EA 1-1/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	490.58	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.08	
33 61 13 00-0107 EA 1-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	546.57	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.81	
33 61 13 00-0108 EA 2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	617.92	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.18	
33 61 13 00-0109 EA 2-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	709.76	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.55	
33 61 13 00-0110 EA 3" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	823.07	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.01	
33 61 13 00-0111 EA 4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	960.48	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.85	
33 61 13 00-0112 EA 5" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,166.41	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.52	
33 61 13 00-0113 EA 6" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,295.54	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.77	
33 61 13 00-0114 EA 8" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,833.36	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.13	
33 61 13 00-0115 EA 10" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,413.07	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	34.68	
33 61 13 00-0116 EA 12" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,110.25	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	45.89	
<b>33 61 13 00-0117 Tees</b> <small>(33 61 13 00-0059)</small>		
<b>33 61 13 00-0118 Tees</b> <small>(33 61 13 00-0117)</small>		
Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0119 EA 3/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	522.49	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.41	
33 61 13 00-0120 EA 1" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	540.21	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.61	
33 61 13 00-0121 EA 1-1/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	619.55	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.79	
33 61 13 00-0122 EA 1-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	692.94	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.68	
33 61 13 00-0123 EA 2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	794.52	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.13	
33 61 13 00-0124 EA 2-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	926.86	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.57	
33 61 13 00-0125 EA 3" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,076.13	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.35	
33 61 13 00-0126 EA 4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,255.81	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.58	
33 61 13 00-0127 EA 5" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,513.69	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.03	

**33 Utilities****33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0128	EA	6" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,673.80	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.75	
33 61 13 00-0129	EA	8" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,358.84	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	32.89	
33 61 13 00-0130	EA	10" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,121.91	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	42.04	
33 61 13 00-0131	EA	12" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,005.05	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	55.64	
<b>33 61 13 00-0132</b>		<b>Tees</b> <small>(33 61 13 00-0117)</small>		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0133	EA	3/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	554.02	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.04	
33 61 13 00-0134	EA	1" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	572.48	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.25	
33 61 13 00-0135	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	656.26	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.53	
33 61 13 00-0136	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	733.00	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.48	
33 61 13 00-0137	EA	2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	836.24	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.96	
33 61 13 00-0138	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	970.26	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.44	
33 61 13 00-0139	EA	3" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,126.20	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.35	
33 61 13 00-0140	EA	4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,314.23	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.75	
33 61 13 00-0141	EA	5" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,588.80	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.53	
33 61 13 00-0142	EA	6" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,759.11	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.46	
33 61 13 00-0143	EA	8" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,482.16	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.35	
33 61 13 00-0144	EA	10" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,279.54	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	45.19	
33 61 13 00-0145	EA	12" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,213.68	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	59.81	
<b>33 61 13 00-0146</b>		<b>Tees</b> <small>(33 61 13 00-0117)</small>		
		Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0147	EA	3/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	585.54	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.67	
33 61 13 00-0148	EA	1" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	604.75	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.90	
33 61 13 00-0149	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	692.98	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.26	
33 61 13 00-0150	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	773.06	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.28	
33 61 13 00-0151	EA	2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	877.97	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.80	
33 61 13 00-0152	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,013.65	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.31	
33 61 13 00-0153	EA	3" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,176.27	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.36	
33 61 13 00-0154	EA	4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,372.65	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0155 EA 5" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,663.91	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.03	
33 61 13 00-0156 EA 6" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,844.42	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.16	
33 61 13 00-0157 EA 8" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,605.49	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.82	
33 61 13 00-0158 EA 10" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,437.17	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	48.34	
33 61 13 00-0159 EA 12" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,422.32	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	63.98	
<b>33 61 13 00-0160 Tees</b> <small>(33 61 13 00-0117)</small>		
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0161 EA 3/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	617.07	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.30	
33 61 13 00-0162 EA 1" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	637.02	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.54	
33 61 13 00-0163 EA 1-1/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	729.70	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.00	
33 61 13 00-0164 EA 1-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	813.12	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.09	
33 61 13 00-0165 EA 2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	919.70	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.63	
33 61 13 00-0166 EA 2-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,057.05	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.18	
33 61 13 00-0167 EA 3" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,226.35	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.36	
33 61 13 00-0168 EA 4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,431.06	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.08	
33 61 13 00-0169 EA 5" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,739.02	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.54	
33 61 13 00-0170 EA 6" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,929.73	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.87	
33 61 13 00-0171 EA 8" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,728.82	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	40.29	
33 61 13 00-0172 EA 10" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,594.81	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	51.49	
33 61 13 00-0173 EA 12" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,630.95	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	68.15	
<b>33 61 13 00-0174 Reducers</b> <small>(33 61 13 00-0059)</small>		
<b>33 61 13 00-0175 Reducers</b> <small>(33 61 13 00-0174)</small>		
Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0176 EA 3/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	296.27	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.70	
33 61 13 00-0177 EA 1" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	306.49	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.81	
33 61 13 00-0178 EA 1-1/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	351.69	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.47	
33 61 13 00-0179 EA 1-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	393.85	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.97	
33 61 13 00-0180 EA 2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	453.96	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.22	
33 61 13 00-0181 EA 2-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	537.83	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.47	
33 61 13 00-0182 EA 3" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	620.44	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.46	



**33 Utilities****33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0183	EA	4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	721.36	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.71	
33 61	13 00-0184	EA	5" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	866.11	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.19	
33 61	13 00-0185	EA	6" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	957.38	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.71	
33 61	13 00-0186	EA	8" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,348.39	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.38	
33 61	13 00-0187	EA	10" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,786.38	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.49	
33 61	13 00-0188	EA	12" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,287.51	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.10	
<b>33 61</b>	<b>13 00-0189</b>		<b>Reducers</b> <small>(33 61 13 00-0174)</small>		
			Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0190	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	313.89	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.05	
33 61	13 00-0191	EA	1" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	324.52	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.17	
33 61	13 00-0192	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	372.21	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.88	
33 61	13 00-0193	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	416.24	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.42	
33 61	13 00-0194	EA	2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	477.28	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.69	
33 61	13 00-0195	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	562.08	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.95	
33 61	13 00-0196	EA	3" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	648.43	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.02	
33 61	13 00-0197	EA	4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	754.01	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.36	
33 61	13 00-0198	EA	5" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	908.09	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.03	
33 61	13 00-0199	EA	6" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,005.06	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.67	
33 61	13 00-0200	EA	8" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,417.32	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.76	
33 61	13 00-0201	EA	10" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,874.49	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.26	
33 61	13 00-0202	EA	12" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,404.13	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.43	
<b>33 61</b>	<b>13 00-0203</b>		<b>Reducers</b> <small>(33 61 13 00-0174)</small>		
			Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0204	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	331.51	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.40	
33 61	13 00-0205	EA	1" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	342.56	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.53	
33 61	13 00-0206	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	392.73	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.29	
33 61	13 00-0207	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	438.63	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.87	
33 61	13 00-0208	EA	2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	500.61	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.15	
33 61	13 00-0209	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	586.34	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0210 EA 3" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	676.42	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.58	
33 61 13 00-0211 EA 4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	786.66	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.01	
33 61 13 00-0212 EA 5" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	950.07	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.87	
33 61 13 00-0213 EA 6" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,052.74	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.62	
33 61 13 00-0214 EA 8" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,486.25	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.14	
33 61 13 00-0215 EA 10" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,962.59	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.02	
33 61 13 00-0216 EA 12" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	2,520.74	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.76	
<b>33 61 13 00-0217 Reducers</b> <small>(33 61 13 00-0174)</small>		
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0218 EA 3/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	349.13	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.76	
33 61 13 00-0219 EA 1" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	360.59	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.89	
33 61 13 00-0220 EA 1-1/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	413.26	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.70	
33 61 13 00-0221 EA 1-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	461.02	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.31	
33 61 13 00-0222 EA 2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	523.93	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.62	
33 61 13 00-0223 EA 2-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	610.59	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.92	
33 61 13 00-0224 EA 3" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	704.40	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.14	
33 61 13 00-0225 EA 4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	819.31	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.67	
33 61 13 00-0226 EA 5" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	992.05	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.71	
33 61 13 00-0227 EA 6" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,100.42	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.58	
33 61 13 00-0228 EA 8" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,555.18	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.52	
33 61 13 00-0229 EA 10" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,050.70	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.78	
33 61 13 00-0230 EA 12" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,637.35	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	38.09	
<b>33 61 13 00-0231 Preinsulated Type K Copper Pipe</b> <small>(33 61 13 00-0001)</small>		
Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
<b>33 61 13 00-0232 Type K Copper Carrier Pipe</b> <small>(33 61 13 00-0231)</small>		
Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0233 LF 3/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	32.17	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.36	
33 61 13 00-0234 LF 1" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	35.09	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.39	
33 61 13 00-0235 LF 1-1/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	38.52	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.44	
33 61 13 00-0236 LF 1-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	41.06	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.47	
33 61 13 00-0237 LF 2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	43.20	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.49	

**33 Utilities****33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0238	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	49.72	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.54	
33 61	13 00-0239	LF	3" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	56.93	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.58	
33 61	13 00-0240	LF	4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	72.07	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.73	
33 61	13 00-0241	LF	5" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	90.27	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.93	
33 61	13 00-0242	LF	6" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	105.26	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.08	
33 61	13 00-0243	LF	8" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	140.58	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.58	
33 61	13 00-0244	LF	10" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	177.53	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.08	
33 61	13 00-0245	LF	12" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	220.22	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.60	
<b>33 61</b>	<b>13 00-0246</b>		<b>Type K Copper Carrier Pipe</b> <small>(33 61 13 00-0231)</small>		
			Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0247	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	33.95	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.39	
33 61	13 00-0248	LF	1" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	37.05	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.43	
33 61	13 00-0249	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	40.72	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.48	
33 61	13 00-0250	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	43.42	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.52	
33 61	13 00-0251	LF	2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	45.67	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.54	
33 61	13 00-0252	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	52.40	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.59	
33 61	13 00-0253	LF	3" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	59.83	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.64	
33 61	13 00-0254	LF	4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	75.72	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.80	
33 61	13 00-0255	LF	5" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	94.94	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.03	
33 61	13 00-0256	LF	6" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	110.68	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.19	
33 61	13 00-0257	LF	8" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	148.47	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.74	
33 61	13 00-0258	LF	10" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	187.94	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.29	
33 61	13 00-0259	LF	12" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	233.21	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.86	
<b>33 61</b>	<b>13 00-0260</b>		<b>Type K Copper Carrier Pipe</b> <small>(33 61 13 00-0231)</small>		
			Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0261	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	34.84	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.41	
33 61	13 00-0262	LF	1" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	38.02	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.45	
33 61	13 00-0263	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	41.82	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.51	
33 61	13 00-0264	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	44.60	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0265 LF 2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	46.91 0.57	
33 61 13 00-0266 LF 2-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	53.75 0.62	
33 61 13 00-0267 LF 3" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	61.27 0.67	
33 61 13 00-0268 LF 4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	77.54 0.84	
33 61 13 00-0269 LF 5" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	97.27 1.07	
33 61 13 00-0270 LF 6" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	113.39 1.25	
33 61 13 00-0271 LF 8" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	152.42 1.81	
33 61 13 00-0272 LF 10" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	193.14 2.39	
33 61 13 00-0273 LF 12" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	239.70 2.99	
<b>33 61 13 00-0274 Type K Copper Carrier Pipe</b> <small>(33 61 13 00-0231)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0275 LF 3/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	36.17 0.44	
33 61 13 00-0276 LF 1" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	39.49 0.48	
33 61 13 00-0277 LF 1-1/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	43.47 0.54	
33 61 13 00-0278 LF 1-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	46.37 0.58	
33 61 13 00-0279 LF 2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	48.76 0.60	
33 61 13 00-0280 LF 2-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	55.76 0.66	
33 61 13 00-0281 LF 3" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	63.45 0.71	
33 61 13 00-0282 LF 4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	80.28 0.89	
33 61 13 00-0283 LF 5" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	100.77 1.14	
33 61 13 00-0284 LF 6" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	117.45 1.33	
33 61 13 00-0285 LF 8" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	158.33 1.93	
33 61 13 00-0286 LF 10" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	200.95 2.55	
33 61 13 00-0287 LF 12" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	249.44 3.18	
<b>33 61 13 00-0288 Preinsulated Copper Fittings</b> <small>(33 61 13 00-0001)</small>		
<b>33 61 13 00-0289 Elbows</b> <small>(33 61 13 00-0288)</small>		
<b>33 61 13 00-0290 Elbows</b> <small>(33 61 13 00-0289)</small> Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0291 EA 3/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	261.67 4.05	
33 61 13 00-0292 EA 1" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	271.02 4.14	

**33 Utilities****33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0293	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	311.20	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.72	
33 61	13 00-0294	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	349.39	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.14	
33 61	13 00-0295	EA	2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	406.19	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.36	
33 61	13 00-0296	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	480.79	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.57	
33 61	13 00-0297	EA	3" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	558.35	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.43	
33 61	13 00-0298	EA	4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	651.59	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.50	
33 61	13 00-0299	EA	5" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	778.21	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.65	
33 61	13 00-0300	EA	6" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	858.47	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.96	
33 61	13 00-0301	EA	8" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,206.67	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.84	
33 61	13 00-0302	EA	10" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,602.88	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.25	
33 61	13 00-0303	EA	12" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,048.91	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.80	
<b>33 61</b>	<b>13 00-0304</b>		<b>Elbows</b> <small>(33 61 13 00-0289)</small>		
			Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0305	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	276.86	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.35	
33 61	13 00-0306	EA	1" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	286.56	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.46	
33 61	13 00-0307	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	328.89	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.07	
33 61	13 00-0308	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	368.68	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.53	
33 61	13 00-0309	EA	2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	426.29	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.76	
33 61	13 00-0310	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	501.69	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.99	
33 61	13 00-0311	EA	3" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	582.46	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.91	
33 61	13 00-0312	EA	4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	679.72	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.07	
33 61	13 00-0313	EA	5" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	814.38	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.37	
33 61	13 00-0314	EA	6" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	899.56	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.78	
33 61	13 00-0315	EA	8" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,266.06	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.03	
33 61	13 00-0316	EA	10" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,678.81	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.76	
33 61	13 00-0317	EA	12" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,149.40	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.81	
<b>33 61</b>	<b>13 00-0318</b>		<b>Elbows</b> <small>(33 61 13 00-0289)</small>		
			Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0319	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	292.04	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0320 EA 1" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	302.10	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.77	
33 61 13 00-0321 EA 1-1/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	346.57	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.42	
33 61 13 00-0322 EA 1-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	387.97	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.92	
33 61 13 00-0323 EA 2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	446.39	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.16	
33 61 13 00-0324 EA 2-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	522.59	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.41	
33 61 13 00-0325 EA 3" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	606.58	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.40	
33 61 13 00-0326 EA 4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	707.86	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.63	
33 61 13 00-0327 EA 5" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	850.56	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.09	
33 61 13 00-0328 EA 6" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	940.79	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.60	
33 61 13 00-0329 EA 8" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,325.37	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.22	
33 61 13 00-0330 EA 10" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,754.48	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.28	
33 61 13 00-0331 EA 12" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	2,250.06	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.81	
<b>33 61 13 00-0332 Elbows</b> <small>(33 61 13 00-0269)</small>		
Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0333 EA 3/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	307.23	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.96	
33 61 13 00-0334 EA 1" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	317.64	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.08	
33 61 13 00-0335 EA 1-1/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	364.26	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.78	
33 61 13 00-0336 EA 1-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	407.26	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.30	
33 61 13 00-0337 EA 2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	466.48	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.56	
33 61 13 00-0338 EA 2-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	543.49	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.83	
33 61 13 00-0339 EA 3" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	630.69	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.88	
33 61 13 00-0340 EA 4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	735.99	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.19	
33 61 13 00-0341 EA 5" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	886.73	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.82	
33 61 13 00-0342 EA 6" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	981.88	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.42	
33 61 13 00-0343 EA 8" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,384.77	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.40	
33 61 13 00-0344 EA 10" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,830.41	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.80	
33 61 13 00-0345 EA 12" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	2,350.54	
<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	32.82	
<b>33 61 13 00-0346 Tees</b> <small>(33 61 13 00-0288)</small>		
<b>33 61 13 00-0347 Tees</b> <small>(33 61 13 00-0346)</small>		
Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		

**33 Utilities****33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0348	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	389.45	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.01	
33 61	13 00-0349	EA	1" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	403.33	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.15	
33 61	13 00-0350	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	463.16	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.00	
33 61	13 00-0351	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	520.12	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.64	
33 61	13 00-0352	EA	2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	605.00	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.96	
33 61	13 00-0353	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	716.65	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.28	
33 61	13 00-0354	EA	3" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	832.72	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.55	
33 61	13 00-0355	EA	4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	971.79	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.14	
33 61	13 00-0356	EA	5" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,161.67	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.32	
33 61	13 00-0357	EA	6" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,279.86	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.27	
33 61	13 00-0358	EA	8" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,797.25	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.52	
33 61	13 00-0359	EA	10" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,390.15	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.06	
33 61	13 00-0360	EA	12" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,053.27	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	39.79	
<b>33 61</b>	<b>13 00-0361</b>		<b>Tees</b> <small>(33 61 13 00-0346)</small>		
			Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0362	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	411.99	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.46	
33 61	13 00-0363	EA	1" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	426.41	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.62	
33 61	13 00-0364	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	489.43	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.53	
33 61	13 00-0365	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	548.77	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.21	
33 61	13 00-0366	EA	2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	634.85	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.56	
33 61	13 00-0367	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	747.69	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.90	
33 61	13 00-0368	EA	3" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	868.53	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.27	
33 61	13 00-0369	EA	4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,013.57	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.98	
33 61	13 00-0370	EA	5" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,215.39	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.40	
33 61	13 00-0371	EA	6" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,340.87	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.49	
33 61	13 00-0372	EA	8" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,885.46	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.29	
33 61	13 00-0373	EA	10" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,502.89	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	32.32	
33 61	13 00-0374	EA	12" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,202.48	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	42.78	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 61 13 00-0375</b>				<b>Tees</b> <small>(33 61 13 00-0346)</small>		
				Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0376	EA			3/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	434.54	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	6.91	
33 61 13 00-0377	EA			1" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	449.49	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	7.08	
33 61 13 00-0378	EA			1-1/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	515.69	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	8.05	
33 61 13 00-0379	EA			1-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	577.42	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	8.79	
33 61 13 00-0380	EA			2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	664.69	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	9.15	
33 61 13 00-0381	EA			2-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	778.72	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	9.52	
33 61 13 00-0382	EA			3" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	904.34	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	10.98	
33 61 13 00-0383	EA			4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,055.35	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	12.81	
33 61 13 00-0384	EA			5" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,269.11	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	16.47	
33 61 13 00-0385	EA			6" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,402.12	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	18.71	
33 61 13 00-0386	EA			8" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,973.06	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	27.05	
33 61 13 00-0387	EA			10" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	2,614.27	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	34.57	
33 61 13 00-0388	EA			12" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	3,353.28	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	45.76	
<b>33 61 13 00-0389</b>				<b>Tees</b> <small>(33 61 13 00-0346)</small>		
				Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0390	EA			3/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	457.09	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	7.37	
33 61 13 00-0391	EA			1" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	472.57	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	7.54	
33 61 13 00-0392	EA			1-1/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	541.95	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	8.58	
33 61 13 00-0393	EA			1-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	606.07	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	9.36	
33 61 13 00-0394	EA			2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	694.53	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	9.75	
33 61 13 00-0395	EA			2-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	809.76	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	10.14	
33 61 13 00-0396	EA			3" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	940.15	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	11.70	
33 61 13 00-0397	EA			4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,097.13	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	13.65	
33 61 13 00-0398	EA			5" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,322.83	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	17.55	
33 61 13 00-0399	EA			6" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	1,463.13	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	19.93	
33 61 13 00-0400	EA			8" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	2,061.27	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	28.81	
33 61 13 00-0401	EA			10" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	2,727.01	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	36.83	
33 61 13 00-0402	EA			12" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket .....	3,502.50	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	48.74	



**33 Utilities****33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0403			<b>Reducers</b> (33 61 13 00-0288)		
33 61 13 00-0404			<b>Reducers</b> (33 61 13 00-0403)		
			Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0405	EA		3/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	221.35	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.36	
33 61 13 00-0406	EA		1" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	229.39	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.44	
33 61 13 00-0407	EA		1-1/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	263.57	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.91	
33 61 13 00-0408	EA		1-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	296.41	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.27	
33 61 13 00-0409	EA		2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	346.75	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.45	
33 61 13 00-0410	EA		2-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	417.75	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.63	
33 61 13 00-0411	EA		3" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	481.90	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.34	
33 61 13 00-0412	EA		4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	560.05	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.23	
33 61 13 00-0413	EA		5" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	666.73	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.01	
33 61 13 00-0414	EA		6" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	734.38	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.09	
33 61 13 00-0415	EA		8" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,030.61	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.15	
33 61 13 00-0416	EA		10" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,372.04	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.80	
33 61 13 00-0417	EA		12" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,749.16	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.24	
33 61 13 00-0418			<b>Reducers</b> (33 61 13 00-0403)		
			Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0419	EA		3/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	233.95	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.61	
33 61 13 00-0420	EA		1" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	242.29	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.70	
33 61 13 00-0421	EA		1-1/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	278.25	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.21	
33 61 13 00-0422	EA		1-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	312.42	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.59	
33 61 13 00-0423	EA		2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	363.43	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.78	
33 61 13 00-0424	EA		2-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	435.10	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.97	
33 61 13 00-0425	EA		3" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	501.92	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.74	
33 61 13 00-0426	EA		4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	583.41	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.69	
33 61 13 00-0427	EA		5" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	696.76	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.61	
33 61 13 00-0428	EA		6" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	768.48	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.78	
33 61 13 00-0429	EA		8" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,079.91	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.13	
33 61 13 00-0430	EA		10" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,435.05	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0431 EA 12" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,832.56 23.91	
<b>33 61 13 00-0432 Reducers</b> <small>(33 61 13 00-0403)</small> Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0433 EA 3/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	246.55 3.86	
33 61 13 00-0434 EA 1" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	255.19 3.96	
33 61 13 00-0435 EA 1-1/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	292.93 4.50	
33 61 13 00-0436 EA 1-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	328.43 4.91	
33 61 13 00-0437 EA 2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	380.11 5.12	
33 61 13 00-0438 EA 2-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	452.44 5.32	
33 61 13 00-0439 EA 3" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	521.94 6.14	
33 61 13 00-0440 EA 4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	606.76 7.16	
33 61 13 00-0441 EA 5" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	726.78 9.21	
33 61 13 00-0442 EA 6" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	802.70 10.46	
33 61 13 00-0443 EA 8" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,129.00 15.12	
33 61 13 00-0444 EA 10" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,497.87 19.32	
33 61 13 00-0445 EA 12" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,916.10 25.58	
<b>33 61 13 00-0446 Reducers</b> <small>(33 61 13 00-0403)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0447 EA 3/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	259.16 4.12	
33 61 13 00-0448 EA 1" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	268.09 4.21	
33 61 13 00-0449 EA 1-1/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	307.61 4.80	
33 61 13 00-0450 EA 1-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	344.45 5.23	
33 61 13 00-0451 EA 2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	396.79 5.45	
33 61 13 00-0452 EA 2-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	469.79 5.67	
33 61 13 00-0453 EA 3" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	541.95 6.54	
33 61 13 00-0454 EA 4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	630.11 7.63	
33 61 13 00-0455 EA 5" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	756.81 9.81	
33 61 13 00-0456 EA 6" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	836.80 11.14	
33 61 13 00-0457 EA 8" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,178.30 16.10	

**33 Utilities****33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0458	EA	10" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,560.88	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.58	
33 61 13 00-0459	EA	12" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,999.50	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.24	
<b>33 61 13 00-0460</b>		<b>Preinsulated Ductile Iron Carrier Pipe</b> <small>(33 61 13 00-0001)</small>		
		Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
<b>33 61 13 00-0461</b>		<b>Ductile Iron Carrier Pipe</b> <small>(33 61 13 00-0460)</small>		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0462	LF	4" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	125.92	
33 61 13 00-0463	LF	6" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	184.99	
33 61 13 00-0464	LF	8" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	254.72	
33 61 13 00-0465	LF	10" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	326.94	
33 61 13 00-0466	LF	12" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	406.44	
<b>33 61 13 00-0467</b>		<b>Ductile Iron Carrier Pipe</b> <small>(33 61 13 00-0460)</small>		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0468	LF	4" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	135.58	
33 61 13 00-0469	LF	6" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	199.33	
33 61 13 00-0470	LF	8" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	275.60	
33 61 13 00-0471	LF	10" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	354.50	
33 61 13 00-0472	LF	12" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	440.81	
33 61 13 00-0473	LF	14" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	484.00	
33 61 13 00-0474	LF	16" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	549.02	
33 61 13 00-0475	LF	18" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	622.11	
33 61 13 00-0476	LF	20" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	687.54	
33 61 13 00-0477	LF	24" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	821.82	
<b>33 61 13 00-0478</b>		<b>Preinsulated Ductile Iron Fittings</b> <small>(33 61 13 00-0001)</small>		
<b>33 61 13 00-0479</b>		<b>Elbows</b> <small>(33 61 13 00-0478)</small>		
<b>33 61 13 00-0480</b>		<b>Elbows</b> <small>(33 61 13 00-0479)</small>		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0481	EA	4" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,173.11	
33 61 13 00-0482	EA	6" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,606.05	
33 61 13 00-0483	EA	8" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,282.24	
33 61 13 00-0484	EA	10" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,986.84	
33 61 13 00-0485	EA	12" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,869.65	
<b>33 61 13 00-0486</b>		<b>Elbows</b> <small>(33 61 13 00-0479)</small>		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0487	EA	4" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,292.43	
33 61 13 00-0488	EA	6" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,780.30	
33 61 13 00-0489	EA	8" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,534.15	
33 61 13 00-0490	EA	10" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,308.82	
33 61 13 00-0491	EA	12" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	4,295.80	
33 61 13 00-0492	EA	14" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	5,243.61	
33 61 13 00-0493	EA	16" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	6,237.08	
33 61 13 00-0494	EA	18" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	7,796.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0495 EA 20" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	9,862.63	
33 61 13 00-0496 EA 24" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	12,619.52	
<b>33 61 13 00-0497 Tees</b> <small>(33 61 13 00-0478)</small>		
<b>33 61 13 00-0498 Tees</b> <small>(33 61 13 00-0497)</small> Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0499 EA 4" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,746.82	
33 61 13 00-0500 EA 6" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,390.83	
33 61 13 00-0501 EA 8" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,395.41	
33 61 13 00-0502 EA 10" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	4,446.85	
33 61 13 00-0503 EA 12" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	5,758.65	
<b>33 61 13 00-0504 Tees</b> <small>(33 61 13 00-0497)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0505 EA 4" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	1,924.01	
33 61 13 00-0506 EA 6" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	2,649.59	
33 61 13 00-0507 EA 8" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	3,769.49	
33 61 13 00-0508 EA 10" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	4,925.00	
33 61 13 00-0509 EA 12" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	6,391.50	
33 61 13 00-0510 EA 14" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	7,706.66	
33 61 13 00-0511 EA 16" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	9,169.24	
33 61 13 00-0512 EA 18" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	11,462.77	
33 61 13 00-0513 EA 20" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	14,505.32	
33 61 13 00-0514 EA 24" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket.....	18,552.91	
<b>33 61 13 00-0515 Reducers</b> <small>(33 61 13 00-0478)</small>		
<b>33 61 13 00-0516 Reducers</b> <small>(33 61 13 00-0515)</small> Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0517 EA 4" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	995.79	
33 61 13 00-0518 EA 6" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	1,358.15	
33 61 13 00-0519 EA 8" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	1,927.76	
33 61 13 00-0520 EA 10" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	2,526.92	
33 61 13 00-0521 EA 12" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	3,267.64	
<b>33 61 13 00-0522 Reducers</b> <small>(33 61 13 00-0515)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0523 EA 4" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	1,094.83	
33 61 13 00-0524 EA 6" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	1,502.77	
33 61 13 00-0525 EA 8" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	2,136.84	
33 61 13 00-0526 EA 10" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	2,794.17	
33 61 13 00-0527 EA 12" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	3,621.35	
33 61 13 00-0528 EA 14" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	4,361.64	
33 61 13 00-0529 EA 16" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	5,184.22	
33 61 13 00-0530 EA 18" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	6,451.11	
33 61 13 00-0531 EA 20" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	8,201.62	
33 61 13 00-0532 EA 24" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High Density Polyethylene (HDPE) Jacket .....	10,511.39	

**33 Utilities****33 60 Hydronic And Steam Energy Utilities****33 61 Hydronic Energy Distribution**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 61 13 00-0533		Tempered Water Piping Pre-Insulated <small>(33 61 13 00-0001)</small>		
33 61 13 00-0534		Fiberglass Reinforced Polyester (FRP) Carrier And Casing, 1" Polyurethane Insulation <small>(33 61 13 00-0533)</small>		
33 61 13 00-0535	LF	4" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation .....	52.24	12.94
33 61 13 00-0536	LF	6" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation .....	67.35	16.00
33 61 13 00-0537	LF	8" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation .....	90.83	16.90
33 61 13 00-0538	LF	10" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation .....	123.12	21.12
33 61 13 00-0539	LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation .....	157.17	26.04
33 61 13 00-0540		Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing, 1" Polyurethane Insulation <small>(33 61 13 00-0533)</small>		
33 61 13 00-0541	LF	4" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation .....	33.43	16.00
33 61 13 00-0542	LF	6" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation .....	36.55	16.00
33 61 13 00-0543	LF	8" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation .....	39.45	16.00
33 61 13 00-0544	LF	10" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation .....	47.44	18.90
33 61 13 00-0545	LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation .....	57.63	23.99
33 61 13 00-0546		Polyvinyl Chloride (PVC) Carrier And Casing, 1" Polyurethane Insulation <small>(33 61 13 00-0533)</small>		
33 61 13 00-0547	LF	4" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation .....	33.43	16.00
33 61 13 00-0548	LF	6" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation .....	36.55	16.00
33 61 13 00-0549	LF	8" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation .....	39.45	16.00
33 61 13 00-0550	LF	10" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation .....	47.44	18.90
33 61 13 00-0551	LF	12" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation .....	57.63	23.99

**33 70 Electrical Utilities** (33)**33 71 Electrical Utility Transmission And Distribution** (33 70)**33 71 19 Electrical Underground Ducts, Ductbanks and Manholes** (33 71)

Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 71 19 00-0001		Electrical Handholes And Pull Boxes <small>(33 71 19)</small>		
33 71 19 00-0002		Electrical Pull Boxes <small>(33 71 19 00-0001)</small> See CSI section 33 05 63 00-0427 for handholes.		
33 71 19 00-0003	EA	24" x 36" x 24", Electric Pull Boxes, Precast Concrete .....	1,435.84	
33 71 19 00-0004	EA	24" x 36" x 36", Electric Pull Boxes, Precast Concrete .....	1,765.55	
33 71 19 00-0005	EA	30" x 48" x 36", Electric Pull Boxes, Precast Concrete .....	2,084.34	
33 71 19 00-0006	EA	36" x 72" x 24", Electric Pull Boxes, Precast Concrete .....	3,460.93	
33 71 19 00-0007	EA	36" x 60" x 36", Electric Pull Boxes, Precast Concrete .....	3,741.30	
33 71 19 00-0008	EA	48" x 48" x 36", Electric Pull Boxes, Precast Concrete .....	4,049.02	
33 71 19 00-0009	EA	48" x 60" x 48", Electric Pull Boxes, Precast Concrete .....	4,675.87	
33 71 19 00-0010	EA	18" x 28" x 34", Electric Pull Boxes, Precast Concrete .....	1,498.67	
33 71 19 00-0011	EA	14" x 20" x 12", Electric Pull Boxes, Precast Concrete .....	692.57	
33 71 19 00-0012	EA	18" x 28" x 12", Electric Pull Boxes, Precast Concrete .....	935.20	
33 71 19 00-0013	EA	24" x 36" x 12", Electric Pull Boxes, Precast Concrete .....	1,313.46	
33 71 19 00-0014	EA	24" x 3", Round Electric Pull Boxes, Precast Concrete .....	871.05	
33 71 19 00-0015	EA	30" x 3", Round Electric Pull Boxes, Precast Concrete .....	917.09	
33 71 19 00-0016		Precast Concrete Box Extensions <small>(33 71 19 00-0001)</small>		
33 71 19 00-0017	EA	14" x 20" x 12", Precast Concrete Extension .....	198.87	
33 71 19 00-0018	EA	18" x 28" x 12", Precast Concrete Extension .....	249.20	
33 71 19 00-0019	EA	24" x 36" x 12", Precast Concrete Extension .....	320.44	
33 71 19 00-0020	EA	30" x 48" x 12", Precast Concrete Extension .....	380.24	
33 71 19 00-0021	EA	36" x 60" x 12", Precast Concrete Extension .....	661.52	
33 71 19 00-0022	EA	36" x 72" x 12", Precast Concrete Extension .....	919.00	
33 71 19 00-0023	EA	48" x 48" x 12", Precast Concrete Extension .....	1,084.33	
33 71 19 00-0024	EA	48" x 60" x 12", Precast Concrete Extension .....	1,335.74	
33 71 19 00-0025		Electrical Property Line Boxes <small>(33 71 19)</small>		
33 71 19 00-0026	EA	3'-6" x 2'-9" x 2' Deep Property Line Box .....	3,449.17	184.86
33 71 19 00-0027	EA	4'-6" x 3'-6" x 4' Deep Property Line Box .....	4,091.77	191.71
33 71 19 00-0028	EA	6' x 4' x 5' Deep Property Line Box .....	4,455.86	232.79
33 71 19 00-0029	EA	11'-6" x 4'-6" x 6' Deep Property Line Box .....	6,843.59	342.33
33 71 19 00-0030		Underground Electrical Concrete Markers <small>(33 71 19)</small>		



<b>Utilities</b>	<b>33</b>	<b>33</b>
<b>Electrical Utilities</b>	<b>33 70</b>	
<b>Electrical Utility Transmission And Distribution</b>	<b>33 71</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71 19 00-0031 EA 36" x 6" x 6", Underground Electric Concrete Marker .....	233.56	
<b>33 71 19 00-0032 Manhole Accessories</b> <small>(33 71 19)</small>		
33 71 19 00-0033 EA 6" Precast Grade Ring Riser Casting.....	413.96	
33 71 19 00-0034 EA 12" Precast Grade Ring Riser Casting.....	448.23	
33 71 19 00-0035 EA 36" Opening Cast Iron Frame And Cover NEENAH #R-1640-D.....	1,533.39	
33 71 19 00-0036 EA 42" Opening Cast Iron Frame And Cover NEENAH #R-1740-E1.....	2,003.81	
33 71 19 00-0037 EA Cast Iron Adjusting Ring NEENAH #R-1979.....	634.76	
33 71 19 00-0038 EA Cast Iron Frame And Cover NEENAH #R-1640-B.....	812.23	

**END OF SECTION 33**

<b>33</b>	<b>Utilities</b>
33 70	Electrical Utilities
33 71	Electrical Utility Transmission And Distribution



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 34 Transportation

### 34 01 Operation And Maintenance Of Transportation <sup>(34)</sup>

#### 34 01 23 Operation And Maintenance Of Railways <sup>(34 01)</sup>

##### 34 01 23 33 Track Realignment <sup>(34 01 23)</sup>

34 01 23 33-0001	Realign Railroad Track <sup>(34 01 23 33)</sup>			
34 01 23 33-0002	LF Remove Track Rails and Ties And Re-Install Including New Bolts And Spikes.....		45.39	
34 01 23 33-0003	EA Remove Railroad Track Turnouts And Re-install Including New Bolts And Spikes .....		2,202.80	

#### 34 01 43 Operation And Maintenance Of Bridges <sup>(34 01)</sup>

34 01 43 00-0001	Repair Of Bridge Posts <sup>(34 01 43)</sup>			
34 01 43 00-0002	SF Chipping Of Concrete To Expose Rebar .....		16.09	
34 01 43 00-0003	EA Replace Concrete Post, 20" x 20" Square, 36" To 42" High .....		1,086.43	
	Note: Includes removal of damaged post, drilling, epoxy injection, rebar, forms and concrete.			
34 01 43 00-0004	EA Repair Bearing Pad .....		369.66	

##### 34 01 43 00-0005 Repair Of Bridge Rails <sup>(34 01 43)</sup>

34 01 43 00-0006	EA Repair Concrete Rail Supports .....		181.74	
34 01 43 00-0007	LF Repair Guardrail .....		68.15	
	For Up To 5, Add		34.08	
	For >5 To 10, Add		20.45	
	For >10 To 20, Add		10.22	
34 01 43 00-0008	LF Repair Bridge Parapet Wall .....		113.59	
	For Up To 5, Add		56.80	
	For >5 To 10, Add		34.08	
	For >10 To 20, Add		17.04	
34 01 43 00-0009	LF Repair Bridge Rail.....		45.43	
	For Up To 5, Add		22.72	
	For >5 To 10, Add		13.63	
	For >10 To 20, Add		6.81	
34 01 43 00-0010	LF Repair Damaged Metal Rail And Posts .....		29.14	
34 01 43 00-0011	LF Replace Metal Rail, 1-1/2" Galvanized .....		34.83	
34 01 43 00-0012	LF Replace Metal Rail, 2-1/2" Galvanized .....		47.75	
34 01 43 00-0013	LF Replace Metal Rail, 3" Galvanized.....		54.73	

##### 34 01 43 00-0014 Repair Of Bridge <sup>(34 01 43)</sup>

34 01 43 00-0015	LF Repair Of Expansion Joints On Bridge .....		10.21	
	For Up To 20, Add		3.06	
	For >20 To 40, Add		1.53	
	For 41 LF To 60 LF, Add		0.76	

### 34 05 Common Work Results For Transportation <sup>(34)</sup>

#### 34 05 43 Common Work Results For Bridges <sup>(34 05)</sup>

34 05 43 00-0001	Bridge Railing <sup>(34 05 43)</sup>			
34 05 43 00-0002	Remove And Store Bridge Railings <sup>(34 05 43 00-0001)</sup>	See CSI section 34 82 23 00-0007 for posts.		
34 05 43 00-0003	LF Remove And Store One Rail Bridge Railing .....		4.44	
34 05 43 00-0004	LF Remove And Store Two Rail Bridge Railing .....		8.88	
34 05 43 00-0005	LF Remove And Store Three Rail Bridge Railing.....		13.31	
34 05 43 00-0006	LF Remove And Store Four Rail Bridge Railing.....		17.75	

##### 34 05 43 00-0007 Install Stored Or Supplied Bridge Railings <sup>(34 05 43 00-0001)</sup>

	See CSI section 34 82 23 00-0007 for posts.			
34 05 43 00-0008	LF Install Stored Or Supplied One Rail Bridge Railing.....		37.40	
34 05 43 00-0009	LF Install Stored Or Supplied Two Rail Bridge Railing.....		74.80	
34 05 43 00-0010	LF Install Stored Or Supplied Three Rail Bridge Railing .....		112.20	
34 05 43 00-0011	LF Install Stored Or Supplied Four Rail Bridge Railing .....		149.60	

##### 34 05 43 00-0012 Bridge Bearings <sup>(34 05 43)</sup>

Note: Excludes drilling and anchor bolts.

##### 34 05 43 00-0013 Elastomeric Bearings <sup>(34 05 43 00-0012)</sup>

34 05 43 00-0014	EA Plain Elastomeric, Type EP Bearing, 716-10, All Loads .....		663.96	176.34
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**34 Transportation****34 05 Common Work Results For Transportation****34 05 43 Common Work Results For Bridges**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0015 EA Steel Laminated Elastomeric, Type EL Bearing, 716-11, Up To 100K.....	992.07	352.69
For >100K To 250K Load, Add	50.71	
For >250K To 500K Load, Add	101.43	
For >500K To 750K Load, Add	152.14	
34 05 43 00-0016 EA Elastomeric with External Load Plates, Type EB Bearing, 716-12, Up To 100K.....	2,265.73	529.03
For >100K To 250K Load, Add	153.83	
For >250K To 500K Load, Add	307.66	
For >500K To 750K Load, Add	461.49	
<b>34 05 43 00-0017 Fixed Structural Pot Bearings (34 05 43 00-0012)</b>		
34 05 43 00-0018 EA 100K To 250K Fixed Structural Pot Bearing .....	2,000.54	
34 05 43 00-0019 EA 251K to 500K Fixed Structural Pot Bearing .....	3,054.43	
34 05 43 00-0020 EA 501K to 750K Fixed Structural Pot Bearing .....	4,108.32	
<b>34 05 43 00-0021 Universal Structural Expansion Pot Bearings (34 05 43 00-0012)</b>		
34 05 43 00-0022 EA 100K to 250K Universal Structural Pot Bearing .....	2,477.62	
34 05 43 00-0023 EA 251K to 500K Universal Structural Pot Bearing .....	3,786.96	
34 05 43 00-0024 EA 501K to 750K Universal Structural Pot Bearing .....	5,098.50	
<b>34 05 43 00-0025 Guided Structural Expansion Pot Bearings (34 05 43 00-0012)</b>		
34 05 43 00-0026 EA 100K to 250K Guided Structural Pot Bearing.....	2,566.12	
34 05 43 00-0027 EA 251K to 500K Guided Structural Pot Bearing.....	3,919.68	
34 05 43 00-0028 EA 501K to 750K Guided Structural Pot Bearing.....	5,275.46	
<b>34 05 43 00-0029 Remove, Repair And Install Bridge Bearings (34 05 43 00-0012)</b>		
<b>34 05 43 00-0030 Remove Structural Bearings (34 05 43 00-0029)</b>		
34 05 43 00-0031 EA 100K To 250K Structural Bearing Removal .....	253.49	
34 05 43 00-0032 EA 251K To 500K Structural Bearing Removal .....	506.98	
34 05 43 00-0033 EA 501K To 750K Structural Bearing Removal .....	760.48	
<b>34 05 43 00-0034 Install And Set Supplied Or Restored Structural Bearings (34 05 43 00-0029)</b>		
34 05 43 00-0035 EA 100K To 250K Structural Bearing - Install And Set Supplied Or Restored Bearing .....	380.24	
34 05 43 00-0036 EA 251K To 500K Structural Bearing - Install And Set Supplied Or Restored Bearing .....	760.48	
34 05 43 00-0037 EA 501K To 750K Structural Bearing - Install And Set Supplied Or Restored Bearing .....	1,140.72	
<b>34 05 43 00-0038 Power Wash And Paint Structural Bearings (34 05 43 00-0029)</b>		
Note: Includes bearing plates.		
34 05 43 00-0039 EA 100K To 250K Structural Bearing - Power Wash And Paint .....	593.36	
34 05 43 00-0040 EA >250K To 500K Structural Bearing - Power Wash And Paint .....	670.41	
34 05 43 00-0041 EA >500K To 750K Structural Bearing - Power Wash And Paint .....	747.46	
<b>34 05 43 00-0042 Power Wash, Mechanically Clean And Paint Structural Bearings (34 05 43 00-0029)</b>		
Note: Includes bearing plates. Excludes paint removal.		
34 05 43 00-0043 EA 100K To 250K Structural Bearing - Power Wash, Mechanically Clean And Paint .....	789.33	
For Vacuum Contained Cleaning, Add	195.95	
34 05 43 00-0044 EA 251K To 500K Structural Bearing - Power Wash, Mechanically Clean And Paint .....	890.83	
For Vacuum Contained Cleaning, Add	220.43	
34 05 43 00-0045 EA 501K To 750K Structural Bearing - Power Wash, Mechanically Clean And Paint .....	992.13	
For Vacuum Contained Cleaning, Add	244.86	
<b>34 05 43 00-0046 Power Wash And Paint Only Bearing Plates (34 05 43 00-0029)</b>		
34 05 43 00-0047 EA 100K To 250K Structural Bearing - Power Wash And Paint Only Bearing Plates.....	370.15	
34 05 43 00-0048 EA >250K To 500K Structural Bearing - Power Wash And Paint Only Bearing Plates.....	445.42	
34 05 43 00-0049 EA >500K To 750K Structural Bearing - Power Wash And Paint Only Bearing Plates.....	520.67	
<b>34 05 43 00-0050 Power Wash, Mechanically Clean And Paint Only Bearing Plates (34 05 43 00-0029)</b>		
34 05 43 00-0051 EA 100K To 250K Structural Bearing - Power Wash, Mechanically Clean And Paint Only Bearing Plates.....	493.62	
For Vacuum Contained Cleaning, Add	122.47	
34 05 43 00-0052 EA >250K To 500K Structural Bearing - Power Wash, Mechanically Clean And Paint Only Bearing Plates.....	592.37	
For Vacuum Contained Cleaning, Add	146.95	
34 05 43 00-0053 EA >500K To 750K Structural Bearing - Power Wash, Mechanically Clean And Paint Only Bearing Plates.....	690.89	
For Vacuum Contained Cleaning, Add	171.38	
<b>34 05 43 00-0054 Sand Blast And Paint Structural Bearings (34 05 43 00-0029)</b>		
Note: Includes bearing plates.		
34 05 43 00-0055 EA 100K To 250K Structural Bearing - Sand Blast And Paint .....	946.05	
For Vacuum Contained Cleaning, Add	235.13	
34 05 43 00-0056 EA >250K To 500K Structural Bearing - Sand Blast And Paint .....	1,067.18	
For Vacuum Contained Cleaning, Add	264.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0057 EA >500K To 750K Structural Bearing - Sand Blast And Paint ..... <i>For Vacuum Contained Cleaning, Add</i>	1,188.31 293.91	
<b>34 05 43 00-0058 Sand Blast And Paint Only Bearing Plates</b> <small>(34 05 43 00-0029)</small>		
34 05 43 00-0059 EA 100K To 250K Structural Bearing - Sand Blast And Paint Only Bearing Plates..... <i>For Vacuum Contained Cleaning, Add</i>	591.57 146.95	
34 05 43 00-0060 EA >250K To 500K Structural Bearing - Sand Blast And Paint Only Bearing Plates..... <i>For Vacuum Contained Cleaning, Add</i>	709.94 176.35	
34 05 43 00-0061 EA >500K To 750K Structural Bearing - Sand Blast And Paint Only Bearing Plates..... <i>For Vacuum Contained Cleaning, Add</i>	828.29 205.73	
<b>34 05 43 00-0062 Grease Structural Bearings</b> <small>(34 05 43 00-0029)</small>		
34 05 43 00-0063 EA 100K To 250K Structural Bearing - Grease .....	36.74	
34 05 43 00-0064 EA >250K To 500K Structural Bearing - Grease .....	55.11	
34 05 43 00-0065 EA >500K To 750K Structural Bearing - Grease .....	73.48	
<b>34 05 43 00-0066 Replace Bronze Plate Wearing Pad</b> <small>(34 05 43 00-0029)</small>		
34 05 43 00-0067 SF Replace Bronze Plate Wearing Pad .....	262.98	
<b>34 05 43 00-0068 Bridge Bearing Rivet Removal</b> <small>(34 05 43 00-0029)</small>		
Note: See CSI section 02 41 19 13-0081 for reaming of hole, 34 05 43 00-0427 for anchors and grouting.		
34 05 43 00-0069 EA Bridge Bearing Rivet Removal.....	146.96	
<b>34 05 43 00-0070 Bridge Pintels, Side Keeper, And Shim Plates</b> <small>(34 05 43)</small>		
34 05 43 00-0071 EA Remove And Replace Bridge Pintel.....	145.85	
34 05 43 00-0072 EA Remove And Replace Bridge Side Keeper .....	149.22	
34 05 43 00-0073 EA Refabricate And Install Shim Plates At One Bearing .....	95.12	
34 05 43 00-0074 EA Refabricate And Install Beveled Shim Plates At One Bearing .....	95.12	
34 05 43 00-0075 EA Refabricate And Install Finger Shim Plates At One Bearing .....	95.12	
<b>34 05 43 00-0076 Vertical Jacking And Lifting</b> <small>(34 05 43)</small>		
Note: For vertical jacking of structural members. Includes jacks, hydraulics, and synchronizing equipment where appropriate. Excludes engineering and design. See CSI section 05 12 23 00-0002 for temporary steel members.		
<b>34 05 43 00-0077 Mobilize Jacking Crew And Equipment</b> <small>(34 05 43 00-0076)</small>		
Note: Includes removing equipment after completion.		
34 05 43 00-0078 EA Mobilize Bridge Jacking Crew and Equipment..... <i>For Temporary Support Mobilization, Add</i>	1,322.58 2,645.16	
<b>34 05 43 00-0079 Vertical Jacking And Lifting Per Point of Contact</b> <small>(34 05 43 00-0076)</small>		
Note: Includes positioning jack, shims, lifting, and lowering. Excludes temporary steel, temporary lumber, and concrete repairs.		
34 05 43 00-0080 EA Up To 10 Ton Jack, Per Point Of Contact..... <i>For Synchronized Lift, Add</i> <i>For Jacking From Temporary Support, Add</i>	220.43 44.09 88.17	
34 05 43 00-0081 EA >10 To 20 Ton Jack, Per Point Of Contact .....	257.17	
<i>For Synchronized Lift, Add</i>		
<i>For Jacking From Temporary Support, Add</i>		
34 05 43 00-0082 EA >20 To 40 Ton Jack, Per Point Of Contact .....	293.90	
<i>For Synchronized Lift, Add</i>		
<i>For Jacking From Temporary Support, Add</i>		
34 05 43 00-0083 EA >40 To 60 Ton Jack, Per Point Of Contact .....	330.64	
<i>For Synchronized Lift, Add</i>		
<i>For Jacking From Temporary Support, Add</i>		
34 05 43 00-0084 EA >60 To 80 Ton Jack, Per Point Of Contact .....	367.38	
<i>For Synchronized Lift, Add</i>		
<i>For Jacking From Temporary Support, Add</i>		
34 05 43 00-0085 EA >80 To 100 Ton Jack, Per Point Of Contact .....	404.12	
<i>For Synchronized Lift, Add</i>		
<i>For Jacking From Temporary Support, Add</i>		
34 05 43 00-0086 EA >100 To 120 Ton Jack, Per Point Of Contact .....	440.86	
<i>For Synchronized Lift, Add</i>		
<i>For Jacking From Temporary Support, Add</i>		
34 05 43 00-0087 EA >120 To 140 Ton Jack, Per Point Of Contact .....	459.23	
<i>For Synchronized Lift, Add</i>		
<i>For Jacking From Temporary Support, Add</i>		
34 05 43 00-0088 EA >140 To 160 Ton Jack, Per Point Of Contact .....	477.59	
<i>For Synchronized Lift, Add</i>		
<i>For Jacking From Temporary Support, Add</i>		
34 05 43 00-0089 EA >160 To 250 Ton Jack, Per Point Of Contact .....	477.59	
<i>For Synchronized Lift, Add</i>		
<i>For Jacking From Temporary Support, Add</i>		
34 05 43 00-0090 EA >250 To 300 Ton Jack, Per Point Of Contact .....	514.33	
<i>For Synchronized Lift, Add</i>		
<i>For Jacking From Temporary Support, Add</i>		

**34 Transportation****34 05 Common Work Results For Transportation****34 05 43 Common Work Results For Bridges**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0091 EA >300 To 400 Ton Jack, Per Point Of Contact ..... <i>For Synchronized Lift, Add</i> <i>For Jacking From Temporary Support, Add</i>	551.07 110.21 220.43	
34 05 43 00-0092 EA >400 To 500 Ton Jack, Per Point Of Contact ..... <i>For Synchronized Lift, Add</i> <i>For Jacking From Temporary Support, Add</i>	587.81 117.56 235.12	
34 05 43 00-0093 EA >500 To 600 Ton Jack, Per Point Of Contact ..... <i>For Synchronized Lift, Add</i> <i>For Jacking From Temporary Support, Add</i>	624.55 124.91 249.82	
<b>34 05 43 00-0094 Daily Charge For Vertical Jacking Equipment</b> <small>(34 05 43 00-0076)</small> Note: Includes hydraulics and synchronizing equipment.		
34 05 43 00-0095 DAY Up To 10 Ton Jacking Equipment Charge By The Day .....	11.84	
34 05 43 00-0096 DAY >10 To 20 Ton Jacking Equipment Charge By The Day .....	23.67	
34 05 43 00-0097 DAY >20 To 40 Ton Jacking Equipment Charge By The Day .....	47.34	
34 05 43 00-0098 DAY >40 To 60 Ton Jacking Equipment Charge By The Day .....	71.02	
34 05 43 00-0099 DAY >60 To 80 Ton Jacking Equipment Charge By The Day .....	94.69	
34 05 43 00-0100 DAY >80 To 100 Ton Jacking Equipment Charge By The Day .....	118.36	
34 05 43 00-0101 DAY >100 To 120 Ton Jacking Equipment Charge By The Day .....	142.03	
34 05 43 00-0102 DAY >120 To 140 Ton Jacking Equipment Charge By The Day .....	165.71	
34 05 43 00-0103 DAY >140 To 160 Ton Jacking Equipment Charge By The Day .....	189.38	
34 05 43 00-0104 DAY >160 To 250 Ton Jacking Equipment Charge By The Day .....	216.10	
34 05 43 00-0105 DAY >250 To 300 Ton Jacking Equipment Charge By The Day .....	246.35	
34 05 43 00-0106 DAY >300 To 400 Ton Jacking Equipment Charge By The Day .....	312.04	
34 05 43 00-0107 DAY >400 To 500 Ton Jacking Equipment Charge By The Day .....	370.55	
34 05 43 00-0108 DAY >500 To 600 Ton Jacking Equipment Charge By The Day .....	422.44	
<b>34 05 43 00-0109 Temporary Shoring</b> <small>(34 05 43 00-0076)</small> Note: Setup includes material use cost and initial erection. Setup is also used for relocation to the opposite abutment. Relocation includes moving and setup at a new jacking location. Takedown includes disassembly and removal from the site. Excludes earthwork and temporary stone.		
<b>34 05 43 00-0110 HP8x36 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring</b> <small>(34 05 43 00-0109)</small>		
34 05 43 00-0111 EA HP8x36 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Setup .....	1,909.29	
34 05 43 00-0112 EA HP8x36 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation .....	1,411.25	
34 05 43 00-0113 EA HP8x36 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal .....	254.52	
<b>34 05 43 00-0114 HP12x53 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring</b> <small>(34 05 43 00-0109)</small>		
34 05 43 00-0115 EA HP12x53 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Setup .....	1,960.77	
34 05 43 00-0116 EA HP12x53 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation .....	1,328.91	
34 05 43 00-0117 EA HP12x53 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal .....	244.15	
<b>34 05 43 00-0118 HP12x53 Column Attached To Existing Footing, Temporary Wood Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring</b> <small>(34 05 43 00-0109)</small>		
34 05 43 00-0119 EA HP12x53 Column Attached To Existing Footing, Temporary Wood Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Setup .....	1,210.15	
34 05 43 00-0120 EA HP12x53 Column Attached To Existing Footing, Temporary Wood Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation .....	569.02	
34 05 43 00-0121 EA HP12x53 Column Attached To Existing Footing, Temporary Wood Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal .....	155.43	
<b>34 05 43 00-0122 HP14x117 Column Attached To Existing Footing, Permanent Steel Stiffeners, Braced By Angles Attached To Abutment Face, Temporary Shoring</b> <small>(34 05 43 00-0109)</small>		
34 05 43 00-0123 EA HP14x117 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Setup .....	3,505.56	
34 05 43 00-0124 EA HP14x117 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation .....	2,136.37	
34 05 43 00-0125 EA HP14x117 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal .....	418.35	
<b>34 05 43 00-0126 Mat Supported HP12x63 Column, Braced by Channel and Angles, Attached to Existing 4" Diameter Concrete Column, Temporary Shoring</b> <small>(34 05 43 00-0109)</small> Note: Excludes mats. See CSI section 01 22 23 00-0571 for mats.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0127 EA Mat Supported HP12x63 Column, Braced By Channel And Angles Attached To Existing 4' Diameter Concrete Column, Temporary Shoring Setup ..... Note: Excludes mats.	3,507.00	
34 05 43 00-0128 EA Mat Supported HP12x63 Column, Braced By Channel And Angles Attached To Existing 4' Diameter Concrete Column, Temporary Shoring Relocation..... Note: Excludes mats.	1,318.95	
34 05 43 00-0129 EA Mat Supported HP12x63 Column, Braced By Channel And Angles Attached To Existing 4' Diameter Concrete Column, Temporary Shoring Take Down And Removal ..... Note: Excludes mats.	638.55	
<b>34 05 43 00-0130 Mat Supported HP12x53 Column, Braced by Channel and Angles, Attached to Abutment Face, Temporary Shoring</b> <small>(34 05 43 00-0109)</small> Note: Excludes mats. See CSI section 01 22 23 00-0571 for mats.		
34 05 43 00-0131 EA Mat Supported HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Setup.....	1,430.77	
34 05 43 00-0132 EA Mat Supported HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation ..... Note: Excludes mats.	390.46	
34 05 43 00-0133 EA Mat Supported HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal ..... Note: Excludes mats.	218.89	
<b>34 05 43 00-0134 MC18x51.9 Attached to Abutment Face, Temporary Wood Stiffeners, Temporary Shoring</b> <small>(34 05 43 00-0109)</small>		
34 05 43 00-0135 EA MC18x51.9 Attached To Abutment Face, Temporary Shoring Setup .....	1,995.96	
34 05 43 00-0136 EA MC18x51.9 Attached To Abutment Face, Temporary Shoring Relocation .....	1,857.41	
34 05 43 00-0137 EA MC18x51.9 Attached To Abutment Face, Temporary Shoring Take Down And Removal .....	213.72	
<b>34 05 43 00-0138 MC15x74 Attached to Abutment Face, Temporary Wood Stiffeners, Temporary Shoring</b> <small>(34 05 43 00-0109)</small>		
34 05 43 00-0139 EA WT15x74 Attached To Abutment Face, Temporary Shoring Setup .....	1,420.40	
34 05 43 00-0140 EA WT15x74 Attached To Abutment Face, Temporary Shoring Relocation .....	1,306.52	
34 05 43 00-0141 EA WT15x74 Attached To Abutment Face, Temporary Shoring Take Down And Removal .....	176.15	
<b>34 05 43 00-0142 Plates And Angles Connecting Existing Diaphragm To Existing Bearing Stiffener At Pedestrian Bridge Column, Temporary Shoring</b> <small>(34 05 43 00-0109)</small>		
34 05 43 00-0143 EA Plates And Angles Connecting Existing Diaphragm To Existing Bearing Stiffener At Pedestrian Bridge, Temporary Shoring Setup..... Note: Left in place.	863.30	
<b>34 05 43 00-0144 Temporary Bridge Shoring Components</b> <small>(34 05 43 00-0109)</small> Note: For temporary shoring of columns and abutments associated with vertical jacking of structural members. Includes lifting equipment where appropriate. Excludes engineering and design. See CSI section 01 54 23 00-0046 for temporary lumber.		
<b>34 05 43 00-0145 Fabricate, Install And Remove After Use Temporary Steel Bridge Shoring</b> <small>(34 05 43 00-0144)</small> Note: Includes cutting, drilling and welds. Excludes gravel, mats, anchors, and bolts.		
34 05 43 00-0146 LF Fabricate And Install MC7 x 19.1 For Temorary Bridge Shoring..... Note: Remove after use.	53.67	
34 05 43 00-0147 LF Fabricate And Install MC18 x 51.9 For Temorary Bridge Shoring..... Note: Remove after use.	130.10	
34 05 43 00-0148 LF Fabricate And Install HP12 x 53 For Temorary Bridge Shoring ..... Note: Remove after use.	104.39	
34 05 43 00-0149 LF Fabricate And Install HP12 x 63 For Temorary Bridge Shoring ..... Note: Remove after use.	117.56	
34 05 43 00-0150 LF Fabricate And Install 3" x 3" x 3/8" Angle Iron For Temorary Bridge Shoring ..... Note: Remove after use.	16.64	
<i>For Galvanized Steel, Add</i>	4.78	
34 05 43 00-0151 LF Fabricate And Install 4" x 4" x 3/8" Angle Iron For Temorary Bridge Shoring ..... Note: Remove after use.	21.33	
<i>For Galvanized Steel, Add</i>	6.50	
34 05 43 00-0152 LF Fabricate And Install 7" x 4" x 5/8" Angle Iron For Temorary Bridge Shoring ..... Note: Remove after use.	43.72	
<i>For Galvanized Steel, Add</i>	14.71	
34 05 43 00-0153 LF Fabricate And Install 5" x 3-1/2" x 3/4" Angle Iron For Temorary Bridge Shoring ..... Note: Remove after use.	38.08	
<i>For Galvanized Steel, Add</i>	13.18	
34 05 43 00-0154 LF Fabricate And Install 7" x 4" x 3/4" Angle Iron For Temorary Bridge Shoring ..... Note: Remove after use.	50.39	
<i>For Galvanized Steel, Add</i>	17.43	
34 05 43 00-0155 SF Fabricate And Install 5/8" A36 Steel Plates For Temorary Bridge Shoring ..... Note: Remove after use.	56.73	
<i>For A50 Grade Steel, Add</i>	1.61	
34 05 43 00-0156 SF Fabricate And Install 7/8" A36 Steel Plates For Temorary Bridge Shoring ..... Note: Remove after use.	79.40	
<i>For A50 Grade Steel, Add</i>	2.26	
34 05 43 00-0157 SF Fabricate And Install 1-3/8" A36 Steel Plates For Temorary Bridge Shoring ..... Note: Remove after use.	124.78	
<i>For A50 Grade Steel, Add</i>	3.55	

**34 Transportation****34 05 Common Work Results For Transportation****34 05 43 Common Work Results For Bridges**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0158 SF Fabricate And Install 1-1/2" A36 Steel Plates For Temorary Bridge Shoring.....	136.13	
Note: Remove after use.		
For A50 Grade Steel, Add	3.87	
<b>34 05 43 00-0159 Relocate Temporary Steel Bridge Shoring (34 05 43 00-0144)</b>		
Note: Includes removal after use.		
34 05 43 00-0160 EA Relocate Complete Temporary Steel Bridge Shoring .....	2,601.06	
Note: Remove after use. Includes relocating support matts. Excludes anchors, bolts or additional steel if required.		
34 05 43 00-0161 SF Relocate 1-3/8" A36 Steel Plates For Temorary Bridge Shoring.....	53.81	
Note: Remove after use.		
34 05 43 00-0162 LF Relocate HP12 x 63 For Temorary Bridge Shoring.....	41.62	
Note: Remove after use.		
34 05 43 00-0163 LF Relocate 3" x 3" x 3/8" Angle Iron For Temorary Bridge Shoring.....	8.93	
Note: Remove after use.		
34 05 43 00-0164 LF Relocate 4" x 4" x 3/8" Angle Iron For Temorary Bridge Shoring.....	10.84	
Note: Remove after use.		
34 05 43 00-0165 LF Relocate 7" x 4" x 3/4" Angle Iron For Temorary Bridge Shoring.....	22.27	
Note: Remove after use.		
34 05 43 00-0166 SF Relocate 7/8" A36 Steel Plates For Temorary Bridge Shoring.....	34.24	
Note: Remove after use.		
34 05 43 00-0167 LF Relocate MC7 x 19.1 For Temorary Bridge Shoring .....	24.14	
Note: Remove after use.		
34 05 43 00-0168 LF Relocate HP12 x 53 For Temorary Bridge Shoring.....	40.75	
Note: Remove after use.		
34 05 43 00-0169 SF Relocate 5/8" A36 Steel Plates For Temorary Bridge Shoring.....	24.47	
Note: Remove after use.		
34 05 43 00-0170 LF Relocate 7" x 4" x 5/8" Angle Iron For Temorary Bridge Shoring.....	20.00	
Note: Remove after use.		
34 05 43 00-0171 SF Relocate 1-1/2" A36 Steel Plates For Temorary Bridge Shoring.....	58.71	
Note: Remove after use.		
34 05 43 00-0172 LF Relocate MC18 x 51.9 For Temorary Bridge Shoring .....	69.65	
Note: Remove after use.		
34 05 43 00-0173 LF Relocate 5" x 3-1/2" x 3/4" Angle Iron For Temorary Bridge Shoring.....	16.83	
Note: Remove after use.		
<b>34 05 43 00-0174 Pier Caps And Pedestal Replacement For Bridges (34 05 43)</b>		
See CSI section 03 15 19 00-0001 for anchor bolts.		
34 05 43 00-0175 SF Bridge Wood Formwork For Seats, Pedestals, Pier Caps And Miscellaneous Areas .....	10.46	
34 05 43 00-0176 CWT Rebar For Pier Cap Or Pedestals .....	289.39	
34 05 43 00-0177 CY Pour Pedestals.....	383.75	
34 05 43 00-0178 CY Demolish Concrete Pedestals.....	2,171.24	
34 05 43 00-0179 CY Pour Pier Cap .....	452.10	
34 05 43 00-0180 CY Demolish Concrete Pier Cap .....	2,496.68	
<b>34 05 43 00-0181 Bridge Deck Repair (34 05 43)</b>		
<b>34 05 43 00-0182 Bridge Expansion Joint Repair (34 05 43 00-0181)</b>		
Note: Replace header with semi-flexible polymer nosing system. Includes saw cutting, chipping, sandblasting, forming, backer rod cleaning, primer and debris removal. Excludes disposal.		
34 05 43 00-0183 CF Replace Header With Semi-Flexible Polymer Nosing System.....	498.17	
For Owner Furnished Material, Deduct	-334.61	
34 05 43 00-0184 CF Replace Header With Fast-Setting, Rapid-Hardening Structural Repair Mortar .....	149.07	
Note: Includes saw cutting, drilling, removing concrete, forming, cleaning, primer, concrete material, reinforcing, dowels, debris removal and disposal. Excludes seal.		
For Up To 24, Add	22.40	
34 05 43 00-0185 CF Replace Header With Polyester-Based Polymer Patch .....	162.90	
Note: Includes saw cutting, drilling, removing concrete, forming, cleaning, primer, concrete material, reinforcing, dowels, debris removal and disposal. Excludes seal.		
For Up To 24, Add	23.78	
34 05 43 00-0186 CI Seal Expansion Joints With Rapid Cure Silicone .....	4.90	
34 05 43 00-0187 CI Seal Expansion Joints With Closed Cell Foam/EVA .....	0.46	
34 05 43 00-0188 LF Seal Expansion Joints With "V" Shape Preformed Silicone .....	60.80	
34 05 43 00-0189 LF Seal Expansion Joints With "W" Shape Preformed Silicone .....	64.78	
<b>34 05 43 00-0190 Cast In Place Strip Seal Expansion Joint With Neoprene Sealing Element For Concrete Bridge Deck (34 05 43 00-0181)</b>		
Note: Includes steel profile and neoprene seal element. Demolition includes saw cutting and disposal of existing strip seal but excludes concrete removal.		
34 05 43 00-0191 LF 1-1/4" x 3-3/4" Profile, Remove And Replace Cast In Place Strip Seal Expansion Joint With Neoprene Sealing Element For Concrete Bridge Deck .....	115.95	
34 05 43 00-0192 LF 1-7/8" x 8" Profile, Remove And Replace Cast In Place Strip Seal Expansion Joint With Neoprene Sealing Element For Concrete Bridge Deck .....	133.72	
34 05 43 00-0193 LF 1-1/4" x 2" Profile, Remove And Replace Cast In Place Strip Seal Expansion Joint With Neoprene Sealing Element For Concrete Bridge Deck .....	111.98	
34 05 43 00-0194 LF 1" x 1-1/2" Profile, Remove And Replace Cast In Place Strip Seal Expansion Joint With Neoprene Sealing Element For Concrete Bridge Deck .....	110.24	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0195				<b>Silicone Joint Sealant For Concrete Bridge Deck</b> <small>(34 05 43 00-0181)</small> Note: Installation includes saw cutting, high pressure water wash, sand blast, sweeping, cleaning area, backer rod and silicone sealant.		
	34 05 43 00-0196	LF		1" x 1/2" Remove And Replace Expansion And Contraction Silicone Joint Sealant For Concrete Bridge Deck.....	12.49	
	34 05 43 00-0197	LF		1-1/2" x 1/2" Remove And Replace Expansion And Contraction Silicone Joint Sealant For Concrete Bridge Deck.....	15.87	
	34 05 43 00-0198	LF		2" x 1/2" Remove And Replace Expansion And Contraction Silicone Joint Sealant For Concrete Bridge Deck.....	19.70	
	34 05 43 00-0199	LF		2-1/2" x 1/2" Remove And Replace Expansion And Contraction Silicone Joint Sealant For Concrete Bridge Deck.....	21.81	
34 05 43 00-0200				<b>V Shaped Preformed Extruded EPDM Expansion Joint For Concrete Bridge Deck</b> <small>(34 05 43 00-0181)</small> Note: Includes saw cutting, sand blasting, conditioner, epoxy, and backer rod.		
	34 05 43 00-0201	LF		3" Remove And Replace V Shaped Preformed Extruded EPDM Expansion Joint For Concrete Bridge Deck.....	44.31	
	34 05 43 00-0202	LF		4" Remove And Replace V Shaped Preformed Extruded EPDM Expansion Joint For Concrete Bridge Deck.....	46.87	
34 05 43 00-0203				<b>J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck</b> <small>(34 05 43 00-0181)</small> Note: Includes saw cutting, sand blasting, conditioner, and epoxy.		
	34 05 43 00-0204	LF		2" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck.....	45.76	
	34 05 43 00-0205	LF		2-1/2" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck.....	55.42	
	34 05 43 00-0206	LF		3" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck.....	69.94	
	34 05 43 00-0207	LF		3-1/2" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck.....	86.10	
	34 05 43 00-0208	LF		4" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck.....	96.69	
	34 05 43 00-0209	LF		5" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck.....	184.44	
34 05 43 00-0210				<b>Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck</b> <small>(34 05 43 00-0181)</small> Note: Includes saw cutting, sand blasting, and lubricant adhesive.		
	34 05 43 00-0211	LF		1-1/4" x 1-1/4" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck.....	21.52	
	34 05 43 00-0212	LF		1-5/8" x 1-7/8" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck.....	23.61	
	34 05 43 00-0213	LF		1-3/4" x 1-3/4" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck.....	24.86	
	34 05 43 00-0214	LF		2" x 2" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck.....	26.42	
	34 05 43 00-0215	LF		2-1/2" x 2-1/2" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck.....	30.32	
	34 05 43 00-0216	LF		3" x 3-1/4" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck.....	35.44	
	34 05 43 00-0217	LF		3-1/2" x 3-1/2" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck.....	42.64	
	34 05 43 00-0218	LF		4" x 4" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck.....	49.94	
	34 05 43 00-0219	LF		4-1/2" x 4-1/2" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck.....	52.75	
	34 05 43 00-0220	LF		5" x 5" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck.....	61.16	
	34 05 43 00-0221	LF		6" x 6" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck.....	90.69	
34 05 43 00-0222				<b>Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck</b> <small>(34 05 43 00-0181)</small> Note: Includes saw cutting, sand blasting and epoxy.		
	34 05 43 00-0223	LF		1/2" x 1-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck.....	20.63	
	34 05 43 00-0224	LF		5/8" x 1-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck.....	21.28	
	34 05 43 00-0225	LF		3/4" x 1-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck.....	21.94	
	34 05 43 00-0226	LF		1" x 2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck.....	22.91	
	34 05 43 00-0227	LF		1-1/4" x 2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck.....	23.89	
	34 05 43 00-0228	LF		1-1/2" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck.....	39.90	
	34 05 43 00-0229	LF		1-3/4" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck.....	42.79	
	34 05 43 00-0230	LF		2" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck.....	44.69	
	34 05 43 00-0231	LF		2-1/4" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck.....	47.92	
	34 05 43 00-0232	LF		2-1/2" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck.....	51.63	
	34 05 43 00-0233	LF		2-3/4" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck.....	55.50	
	34 05 43 00-0234	LF		3" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck.....	57.30	
	34 05 43 00-0235	LF		3-1/4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck.....	64.20	
	34 05 43 00-0236	LF		3-1/2" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck.....	69.84	

**34 Transportation****34 05 Common Work Results For Transportation****34 05 43 Common Work Results For Bridges**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0237 LF 3-3/4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck.....	74.58	
34 05 43 00-0238 LF 4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck.....	76.43	
34 05 43 00-0239 EA 3/4" x 1-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	94.25	
34 05 43 00-0240 EA 1" x 2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	97.48	
34 05 43 00-0241 EA 1-1/4" x 2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	116.67	
34 05 43 00-0242 EA 1-1/2" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	122.31	
34 05 43 00-0243 EA 1-3/4" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	126.00	
34 05 43 00-0244 EA 2" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	148.18	
34 05 43 00-0245 EA 2-1/4" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	152.30	
34 05 43 00-0246 EA 2-1/2" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	157.27	
34 05 43 00-0247 EA 2-3/4" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	162.50	
34 05 43 00-0248 EA 3" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	191.26	
34 05 43 00-0249 EA 3-1/4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	201.69	
34 05 43 00-0250 EA 3-1/2" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	209.95	
34 05 43 00-0251 EA 3-3/4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	216.70	
34 05 43 00-0252 EA 4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	218.82	
<b>34 05 43 00-0253 Remove Existing Steel Joint System (34 05 43 00-0181)</b>		
34 05 43 00-0254 LF Remove Existing Steel Joint System .....	60.73	
<b>34 05 43 00-0255 Break-Up And Remove Bridge Decking By Machine (34 05 43 00-0181)</b>		
Note: Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Excludes saw cutting, See CSI section 02 41 19 13-0058 for saw cutting.		
34 05 43 00-0256 SY Break-Up And Remove Up To 3" Thick Bituminous Pavement Bridge Decking By Machine.....	9.64	
For >500 To 1,000, Deduct	-0.96	
For >1,000 To 2,500, Deduct	-1.74	
For >2,500 To 5,000, Deduct	-2.51	
For >5,000 To 10,000, Deduct	-3.28	
For >10,000, Deduct	-4.05	
34 05 43 00-0257 SY Break-Up And Remove >3" To 6" Thick Bituminous Pavement Bridge Decking By Machine .....	13.16	
For >500 To 1,000, Deduct	-1.32	
For >1,000 To 2,500, Deduct	-2.37	
For >2,500 To 5,000, Deduct	-3.42	
For >5,000 To 10,000, Deduct	-4.47	
For >10,000, Deduct	-5.53	
34 05 43 00-0258 SY Break-Up And Remove To 3" Thick Concrete With Reinforcing Bridge Decking By Machine.....	15.96	
For >500 To 1,000, Deduct	-1.60	
For >1,000 To 2,500, Deduct	-2.87	
For >2,500 To 5,000, Deduct	-4.15	
For >5,000 To 10,000, Deduct	-5.43	
For >10,000, Deduct	-6.70	
34 05 43 00-0259 SY Break-Up And Remove > 3" To 6" Thick Concrete With Reinforcing Bridge Decking By Machine .....	20.53	
For >500 To 1,000, Deduct	-2.05	
For >1,000 To 2,500, Deduct	-3.70	
For >2,500 To 5,000, Deduct	-5.34	
For >5,000 To 10,000, Deduct	-6.98	
For >10,000, Deduct	-8.62	
34 05 43 00-0260 SY Break-Up And Remove > 6" To 9" Thick Concrete With Reinforcing Bridge Decking By Machine .....	36.70	
For >500 To 1,000, Deduct	-3.67	
For >1,000 To 2,500, Deduct	-6.61	
For >2,500 To 5,000, Deduct	-9.54	
For >5,000 To 10,000, Deduct	-12.48	
For >10,000, Deduct	-15.41	
34 05 43 00-0261 SY Break-Up And Remove >9" To 14" Thick Concrete With Reinforcing Bridge Decking By Machine .....	47.89	
For >500 To 1,000, Deduct	-4.79	
For >1,000 To 2,500, Deduct	-8.62	
For >2,500 To 5,000, Deduct	-12.45	
For >5,000 To 10,000, Deduct	-16.28	
For >10,000, Deduct	-20.11	
34 05 43 00-0262 SY Break-Up And Remove >14" To 19" Thick Concrete With Reinforcing Bridge Decking By Machine .....	62.60	
For >500 To 1,000, Deduct	-6.26	
For >1,000 To 2,500, Deduct	-11.27	
For >2,500 To 5,000, Deduct	-16.28	
For >5,000 To 10,000, Deduct	-21.28	
For >10,000, Deduct	-26.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0263 SY Break-Up And Remove >19" To 24" Thick Concrete With Reinforcing Bridge Decking By Machine .....	75.98	
<i>For &gt;500 To 1,000, Deduct</i>	-7.60	
<i>For &gt;1,000 To 2,500, Deduct</i>	-13.68	
<i>For &gt;2,500 To 5,000, Deduct</i>	-19.75	
<i>For &gt;5,000 To 10,000, Deduct</i>	-25.83	
<i>For &gt;10,000, Deduct</i>	-31.91	
<b>34 05 43 00-0264 Break-Up And Remove Bridge Decking By Hand</b> <small>(34 05 43 00-0181)</small>		
<small>Note: Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas up to 100 SF where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Excludes saw cutting. See CSI section 02 41 19 13-0058 for saw cutting.</small>		
34 05 43 00-0265 SF Break-Up And Remove 1" To 3" Thick Bituminous Pavement Bridge Decking By Hand .....	5.88	
<small>Note: Includes jackhammer and hand tools.</small>		
34 05 43 00-0266 SF Break-Up And Remove >3" To 6" Thick Bituminous Pavement Bridge Decking By Hand .....	7.74	
<small>Note: Includes jackhammer and hand tools.</small>		
34 05 43 00-0267 SF Break-Up And Remove >6" To 8" Thick Bituminous Pavement Bridge Decking By Hand .....	10.07	
<small>Note: Includes jackhammer and hand tools.</small>		
34 05 43 00-0268 SF Break-Up And Remove 1" To 3" Thick Concrete Bridge Decking By Hand .....	7.35	
<small>Note: Includes jackhammer and hand tools.</small>		
34 05 43 00-0269 SF Break-Up And Remove >3" To 6" Thick Concrete Bridge Decking By Hand .....	9.20	
<small>Note: Includes jackhammer and hand tools.</small>		
34 05 43 00-0270 SF Break-Up And Remove >6" To 8" Thick Concrete Bridge Decking By Hand .....	11.03	
<small>Note: Includes jackhammer and hand tools.</small>		
34 05 43 00-0271 SF Chipping And Cleaning Of Bridge Deck After Break-up And Removals.....	3.25	
<b>34 05 43 00-0272 Galvanic Anodes</b> <small>(34 05 43)</small>		
34 05 43 00-0273 EA 2.6" Diameter x 1.2" Deep , Anode Type 1A Class P, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP) .....	32.76	
<small>Note: Corrosion prevention only (preventing the initiation of corrosion).</small>		
34 05 43 00-0274 EA 4.9" Long x 1.0" Wide x 1.0" Deep , Anode Type 1A Class P, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XPT) .....	32.76	
<small>Note: Corrosion prevention only (preventing the initiation of corrosion).</small>		
34 05 43 00-0275 EA 2.8" Long x 2.4" Wide x 1.2" Deep , Anode Type 1A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP2) .....	37.42	
<small>Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).</small>		
34 05 43 00-0276 EA 4.3" Long x 2.2" Wide x 1.2" Deep , Anode Type 1A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP4) .....	40.97	
<small>Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).</small>		
34 05 43 00-0277 EA 2.5" Diameter x 1.1" Deep , Anode Type 1A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP+) .....	37.42	
<small>Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).</small>		
34 05 43 00-0278 EA 1-3/4" Diameter x 2-1/2" Long, Anode Type 2A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® CC65) .....	38.61	
<small>Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).</small>		
34 05 43 00-0279 EA 1-3/4" Diameter x 4" Long, Anode Type 2A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® CC100) .....	46.88	
<small>Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).</small>		
34 05 43 00-0280 EA 1-1/8" Diameter x 5-3/8" Long, Anode Type 2A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® CC135) .....	43.33	
<small>Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).</small>		
<b>34 05 43 00-0281 Bridge Netting Panels</b> <small>(34 05 43)</small>		
34 05 43 00-0282 SF Bridge Netting Panel.....	5.45	
<small>Note: Includes cable, beam clamps to attach to the bridge structure without the need for drilling/welding and snap hooks for attaching the net.</small>		
<i>For Up To 160, Add</i>	4.64	
<i>For &gt;160 To 320, Add</i>	2.32	
<i>For &gt;320 To 480, Add</i>	1.16	
<i>For &gt;2,000 To 10,000, Deduct</i>	-0.24	
<i>For &gt;10,000 To 25,000, Deduct</i>	-0.49	
<i>For &gt;25,000, Deduct</i>	-0.73	
34 05 43 00-0283 <b>Bridge Surfacing</b> <small>(34 05 43)</small>		
34 05 43 00-0284 <b>Bridge Coatings</b> <small>(34 05 43 00-0283)</small>		
<small>Note: Includes sweeping of bridge deck.</small>		
34 05 43 00-0285 SF Penetrating Corrosion Inhibitor Sealer For Bridge Decks (Two Coats) .....	0.63	
<small>Note: Includes power washing and drying after power washing.</small>		
34 05 43 00-0286 SF Protective Seal Coat For Existing Bridge Decks .....	1.12	
34 05 43 00-0287 SF Penetrating Sealer For Existing Bridge Decks .....	1.87	
34 05 43 00-0288 <b>Bridge Membranes</b> <small>(34 05 43 00-0283)</small>		
<small>Note: Excludes abrasive blasting of deck.</small>		



**34 Transportation**  
**34 05 Common Work Results For Transportation**  
**34 05 43 Common Work Results For Bridges**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0289 SF Spray Applied Waterproofing Membrane For Bridge Decks .....	6.84	
34 05 43 00-0290 SF Sheet Applied Waterproofing Membrane For Bridge Decks .....	2.02	
<b>34 05 43 00-0291 Sealer And Overlay For Bridge Deck</b> <small>(34 05 43 00-0283)</small> Note: Excludes sweeping, cleaning and abrasive blasting.		
34 05 43 00-0292 SF Shot Blasting Bridge Decks .....	0.73	
Note: Includes steel ball media. Includes air cleaning of deck surface after shot blasting.		
34 05 43 00-0293 SF Thin Polymer (Epoxy) Overlay For Bridge Deck .....	3.22	
Note: Includes epoxy overlay applied in two coats with aggregate.		
34 05 43 00-0294 SF 3/4" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck .....	9.05	
Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
34 05 43 00-0295 SF 1" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck .....	10.76	
Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
34 05 43 00-0296 SF 1-1/2" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck .....	14.10	
Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
34 05 43 00-0297 SF 2" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck .....	17.44	
Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
34 05 43 00-0298 SF 2-1/2" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck .....	20.79	
Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
34 05 43 00-0299 SF 3" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck .....	24.13	
Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
<b>34 05 43 00-0300 Broadcast Silica Sand</b> <small>(34 05 43 00-0283)</small> Note: Includes removing loose sand..		
34 05 43 00-0301 SF Broadcast Silica Sand .....	0.15	
<b>34 05 43 00-0302 Sweeping And Cleaning Of Bridge Deck</b> <small>(34 05 43 00-0283)</small> See CSI section 01 22 23 00-1407 for water trucks, 01 22 23 00-1430 for vacuum sweeper trucks.		
<b>34 05 43 00-0303 Concrete Overlay For Bridge Deck</b> <small>(34 05 43 00-0283)</small> Note: Includes sweeping and cleaning. Excludes abrasive blasting.		
34 05 43 00-0304 SY 3" Concrete Overlay For Bridge Deck .....	100.33	
For DOT Class DP, Add	30.70	
For DOT Class E, Add	10.02	
For DOT Class HP, Add	29.31	
<b>34 05 43 00-0305 Bridge Roadway Grooving</b> <small>(34 05 43 00-0283)</small>		
34 05 43 00-0306 EA Up To 500 SY Of Bridge Pavement Grooving, Concrete, Longitudinal .....	2,061.10	
34 05 43 00-0307 SY Each SY Over First 500 SY Of Bridge Pavement Grooving, Concrete, Longitudinal .....	3.33	
34 05 43 00-0308 EA Up To 500 SY Of Bridge Pavement Grooving, Concrete, Traverse .....	2,296.13	
34 05 43 00-0309 SY Each SY Over First 500 SY Of Bridge Pavement Grooving, Concrete, Traverse .....	4.35	
<b>34 05 43 00-0310 Gravity Fed Concrete Crack Repair</b> <small>(34 05 43 00-0283)</small> Note: Includes removing loose materials and cleaning.		
34 05 43 00-0311 LF Epoxy Low Viscosity Gravity Fed Concrete Crack Repair .....	1.70	
34 05 43 00-0312 LF HMWM Low Viscosity Gravity Fed Concrete Crack Repair .....	1.96	
<b>34 05 43 00-0313 Concrete Pumping With Boom Truck</b> <small>(34 05 43 00-0283)</small> See CSI section 03 31 13 00-0010 for concrete delivery for small quantities, 03 37 16 00-0001 for concrete pump truck.		
<b>34 05 43 00-0314 Bridge Girder Repair</b> <small>(34 05 43)</small>		
<b>34 05 43 00-0315 Bridge Girder Repair</b> <small>(34 05 43 00-0314)</small> Note: Excludes mobilization of bridge jacking crew. See CSI section 05 05 23 00-0095 for bolts, nuts and washers, 05 12 23 00-0000 for additional steel shapes, angles and channels.		
34 05 43 00-0316 HR UT, MT, PT Testing .....	75.00	
Note: Excludes mileage to job site.		
34 05 43 00-0317 EA Mobilization of Bridge Girder Repair Crew .....	1,193.32	
34 05 43 00-0318 LF 3" x 3" x 1/4" Angle Iron For Bridge Repair .....	9.78	3.40
Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
For Fractured Critical, Add	20.00	
For Stainless Steel, Add	16.80	
For Aluminum, Add	0.95	
For Galvanized Steel, Add	3.26	
34 05 43 00-0319 LF 4" x 4" x 1/4" Angle Iron For Bridge Repair .....	12.62	4.15
Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
For Fractured Critical, Add	20.00	
For Stainless Steel, Add	22.69	
For Aluminum, Add	1.28	
For Galvanized Steel, Add	4.40	
34 05 43 00-0320 LF 3" x 3" x 3/8" Angle Iron For Bridge Repair .....	12.81	3.82
Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
For Fractured Critical, Add	20.00	
For Stainless Steel, Add	24.67	
For Aluminum, Add	1.39	
For Galvanized Steel, Add	4.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0321 LF 4" x 4" x 3/8" Angle Iron For Bridge Repair .....	16.68	4.65
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	33.57	
<i>For Aluminum, Add</i>	1.89	
<i>For Galvanized Steel, Add</i>	6.50	
34 05 43 00-0322 LF 6" x 4" x 3/8" Angle Iron For Bridge Repair .....	21.29	6.07
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	42.24	
<i>For Aluminum, Add</i>	2.38	
<i>For Galvanized Steel, Add</i>	8.18	
34 05 43 00-0323 LF 6" x 6" x 3/8" Angle Iron For Bridge Repair .....	24.09	6.07
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	51.20	
<i>For Aluminum, Add</i>	2.88	
<i>For Galvanized Steel, Add</i>	9.92	
34 05 43 00-0324 LF 6" x 6" x 1/2" Angle Iron For Bridge Repair .....	31.90	8.15
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	67.33	
<i>For Aluminum, Add</i>	3.79	
<i>For Galvanized Steel, Add</i>	13.04	
34 05 43 00-0325 LF 7" x 4" x 5/8" Angle Iron For Bridge Repair .....	35.17	8.58
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	75.90	
<i>For Aluminum, Add</i>	4.27	
<i>For Galvanized Steel, Add</i>	14.71	
34 05 43 00-0326 LF 5" x 3-1/2" x 3/4" Angle Iron For Bridge Repair .....	30.86	7.21
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	68.00	
<i>For Aluminum, Add</i>	3.83	
<i>For Galvanized Steel, Add</i>	13.18	
34 05 43 00-0327 LF 6" x 4" x 3/4" Angle Iron For Bridge Repair .....	36.80	8.59
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	81.09	
<i>For Aluminum, Add</i>	4.56	
<i>For Galvanized Steel, Add</i>	15.71	
34 05 43 00-0328 LF 7" x 4" x 3/4" Angle Iron For Bridge Repair .....	40.85	9.54
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	89.98	
<i>For Aluminum, Add</i>	5.06	
<i>For Galvanized Steel, Add</i>	17.43	
34 05 43 00-0329 LF 8" x 6" x 7/8" Angle Iron For Bridge Repair .....	59.70	13.29
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	134.34	
<i>For Aluminum, Add</i>	7.56	
<i>For Galvanized Steel, Add</i>	26.03	
34 05 43 00-0330 LF C4 x 5.4 - 4" Wide Channels For Bridge Repair .....	11.63	4.37
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	18.56	
<i>For Aluminum, Add</i>	1.04	
<i>For Galvanized Steel, Add</i>	3.60	
34 05 43 00-0331 LF C6 x 8.2 - 6" Wide Channels For Bridge Repair .....	16.96	6.12
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	28.16	
<i>For Aluminum, Add</i>	1.58	
<i>For Galvanized Steel, Add</i>	5.46	
34 05 43 00-0332 LF C8 x 11.5 - 8" Wide Channels For Bridge Repair .....	23.03	8.02
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	39.49	
<i>For Aluminum, Add</i>	2.22	
<i>For Galvanized Steel, Add</i>	7.65	
34 05 43 00-0333 LF C10 x 15.3 - 10" Wide Channels For Bridge Repair .....	30.63	10.66
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	52.54	
<i>For Aluminum, Add</i>	2.96	
<i>For Galvanized Steel, Add</i>	10.18	
34 05 43 00-0334 LF C12 x 20.7 - 12" Wide Channels For Bridge Repair .....	41.46	14.42
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	71.10	
<i>For Aluminum, Add</i>	4.00	
<i>For Galvanized Steel, Add</i>	13.78	

**34 Transportation****34 05 Common Work Results For Transportation****34 05 43 Common Work Results For Bridges**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0335 LF C15 x 33.9 - 15" Wide Channels For Bridge Repair.....	67.89	23.62
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	116.45	
<i>For Aluminum, Add</i>	6.55	
<i>For Galvanized Steel, Add</i>	22.56	
34 05 43 00-0336 SF 1/2" A36 Steel Plates For Bridge Repair.....	35.59	9.30
<i>For A50 Grade Steel, Add</i>	1.29	
<i>Cutting Fee For Plates 1/2" And Over, Add Per Each Piece</i>	30.00	
<i>For Fractured Critical, Add</i>	20.00	
34 05 43 00-0337 SF 5/8" A36 Steel Plates For Bridge Repair.....	44.50	11.62
<i>For A50 Grade Steel, Add</i>	1.61	
<i>Cutting Fee For Plates 1/2" And Over, Add Per Each Piece</i>	30.00	
<i>For Fractured Critical, Add</i>	20.00	
34 05 43 00-0338 SF 3/4" A36 Steel Plates For Bridge Repair.....	53.39	13.88
<i>For A50 Grade Steel, Add</i>	1.94	
<i>Cutting Fee For Plates 1/2" And Over, Add Per Each Piece</i>	30.00	
<i>For Fractured Critical, Add</i>	20.00	
34 05 43 00-0339 SF 7/8" A36 Steel Plates For Bridge Repair.....	62.29	16.27
<i>For A50 Grade Steel, Add</i>	2.26	
<i>Cutting Fee For Plates 1/2" And Over, Add Per Each Piece</i>	30.00	
<i>For Fractured Critical, Add</i>	20.00	
34 05 43 00-0340 SF 1" A36 Steel Plates For Bridge Repair.....	71.18	18.59
<i>For A50 Grade Steel, Add</i>	2.58	
<i>Cutting Fee For Plates 1/2" And Over, Add Per Each Piece</i>	30.00	
<i>For Fractured Critical, Add</i>	20.00	
34 05 43 00-0341 SF 1-1/4" A36 Steel Plates For Bridge Repair.....	88.98	23.24
<i>For A50 Grade Steel, Add</i>	3.23	
<i>Cutting Fee For Plates 1/2" And Over, Add Per Each Piece</i>	30.00	
<i>For Fractured Critical, Add</i>	20.00	
34 05 43 00-0342 SF 1-3/8" A36 Steel Plates For Bridge Repair.....	97.88	25.57
<i>For A50 Grade Steel, Add</i>	3.55	
<i>Cutting Fee For Plates 1/2" And Over, Add Per Each Piece</i>	30.00	
<i>For Fractured Critical, Add</i>	20.00	
34 05 43 00-0343 SF 1-1/2" A36 Steel Plates For Bridge Repair.....	106.78	27.89
<i>For A50 Grade Steel, Add</i>	3.87	
<i>Cutting Fee For Plates 1/2" And Over, Add Per Each Piece</i>	30.00	
<i>For Fractured Critical, Add</i>	20.00	
34 05 43 00-0344 CWT Removal Of Existing Steel For Bridge Repair A36.....	37.35	
Note: For use with angles, channels and steel plates up to 5' x 5'.		
<i>For Removal Over 30' To 50', Add</i>	7.47	
<i>For Removal Over 50' To 75', Add</i>	13.07	
<i>For Removal Over 75', Add</i>	18.68	
34 05 43 00-0345 TON Removal Of Existing Steel For Bridge Repair A36.....	497.94	
Note: For use with I-beams, floor beams and plates over 5' x 5'.		
<i>For Removal Over 30' To 50', Add</i>	99.59	
<i>For Removal Over 50' To 75', Add</i>	174.28	
<i>For Removal Over 75', Add</i>	248.97	
34 05 43 00-0346 CWT Miscellaneous Steel For Bridge Repair A36.....	269.51	
Note: For use with angles, channels and steel plates up to 5' x 5'.		
<i>For A50 Grade Steel, Add</i>	46.43	
<i>Cutting Fee For Plates 1/2" And Over, Add Per Each Piece</i>	30.00	
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
34 05 43 00-0347 TON Miscellaneous Steel For Bridge Repair A36.....	4,308.62	
Note: For use with I-beams, floor beams and plates over 5' x 5'.		
<i>For A50 Grade Steel, Add</i>	762.14	
<i>Cutting Fee For I-beams, Floor Beams And Plates Over 5'x5', Add Per Each Piece</i>	30.00	
34 05 43 00-0348 EA Field Or Shop Drilled Holes In Miscellaneous Steel For Bridge Repair Up To 15/16" Diameter.....	21.27	
Note: Per each hole drilled per steel member.		
34 05 43 00-0349 EA Field Or Shop Drilled Holes In Miscellaneous Steel For Bridge Repair >15/16" Diameter.....	27.51	
Note: Per each hole drilled per steel member.		
34 05 43 00-0350 EA Bolts A325 For Steel Repair Connections Up To 7/8".....	20.13	1.29
34 05 43 00-0351 EA Bridge Girder Rivet Removal.....	200.78	
34 05 43 00-0352 LF Up To 1/2" Thick Edge Grinding, Smoothing Surface After Torch Cutting.....	4.28	
Note: Includes rust or scale removal.		
34 05 43 00-0353 LF >1/2" To 1" Thick Edge Grinding, Smoothing Surface After Torch Cutting.....	7.52	
Note: Includes rust or scale removal.		
34 05 43 00-0354 LF >1" To 1-1/2" Thick Edge Grinding, Smoothing Surface After Torch Cutting.....	10.75	
Note: Includes rust or scale removal.		
34 05 43 00-0355 LF >1-1/2" To 2" Thick Edge Grinding, Smoothing Surface After Torch Cutting.....	13.99	
Note: Includes rust or scale removal.		
34 05 43 00-0356 LF >2" To 2-1/2" Thick Edge Grinding, Smoothing Surface After Torch Cutting.....	17.23	
Note: Includes rust or scale removal.		
34 05 43 00-0357 LF >2-1/2" To 3" Thick Edge Grinding, Smoothing Surface After Torch Cutting.....	20.47	
Note: Includes rust or scale removal.		

34 05 43 00-0358 Cleaning And Preparation Of Painted And Unpainted Metal Surfaces (34 05 43 00-0314)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0359 SF Loose Mill Scale With Fine Powder, Commercial Blast, Surface Preparation, Bridge Girder Repair.....	0.53	
For Up To 100, Add	0.31	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.05	
For >15,000 To 30,000, Deduct	-0.08	
For >30,000, Deduct	-0.10	
34 05 43 00-0360 SF Tight Mill Scale With Fine Powder Rust, Commercial Blast, Surface Preparation, Bridge Girder Repair.....	0.72	
For Up To 100, Add	0.41	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.07	
For >15,000 To 30,000, Deduct	-0.10	
For >30,000, Deduct	-0.14	
34 05 43 00-0361 SF Exterior Coating Blistered Pitted, Rust, Commercial Blast, Surface Preparation, Bridge Girder Repair.....	1.05	
For Up To 100, Add	0.62	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.12	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 15,000, Deduct	-0.10	
For >15,000 To 30,000, Deduct	-0.15	
For >30,000, Deduct	-0.20	
34 05 43 00-0362 SF Badly Pitted With Rust Nodules, Commercial Blast, Surface Preparation, Bridge Girder Repair.....	1.77	
For Up To 100, Add	1.04	
For >100 To 250, Add	0.48	
For >250 To 500, Add	0.21	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 15,000, Deduct	-0.16	
For >15,000 To 30,000, Deduct	-0.25	
For >30,000, Deduct	-0.33	
34 05 43 00-0363 SF Loose Mill Scale With Fine Powder Rust, Near White Blast, Surface Preparation, Bridge Girder Repair.....	1.35	
For Up To 100, Add	0.77	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.15	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 15,000, Deduct	-0.12	
For >15,000 To 30,000, Deduct	-0.19	
For >30,000, Deduct	-0.25	
34 05 43 00-0364 SF Tight Mill Scale Little Rust, Near White Blast, Surface Preparation, Bridge Girder Repair.....	1.68	
For Up To 100, Add	0.95	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 15,000, Deduct	-0.15	
For >15,000 To 30,000, Deduct	-0.24	
For >30,000, Deduct	-0.32	
34 05 43 00-0365 SF Exterior Coat Blistered Pitted Rust, Near White Blast, Surface Preparation, Bridge Girder Repair.....	2.18	
For Up To 100, Add	1.25	
For >100 To 250, Add	0.58	
For >250 To 500, Add	0.25	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 15,000, Deduct	-0.20	
For >15,000 To 30,000, Deduct	-0.31	
For >30,000, Deduct	-0.41	
34 05 43 00-0366 SF Badly Pitted Rust Nodules, Near White Blast, Surface Preparation, Bridge Girder Repair.....	2.72	
For Up To 100, Add	1.55	
For >100 To 250, Add	0.72	
For >250 To 500, Add	0.31	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 15,000, Deduct	-0.25	
For >15,000 To 30,000, Deduct	-0.39	
For >30,000, Deduct	-0.51	
<b>34 05 43 00-0367 Galvanized Anchor Bolts For Bridge Bearings</b> (34 05 43 00-0314)		
34 05 43 00-0368 EA 1/2" Diameter x 6" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	7.06	
34 05 43 00-0369 EA 1/2" Diameter x 12" Long, J-Type Galvanized Anchor Bolts For Bridge Bearings.....	7.29	
34 05 43 00-0370 EA 1/2" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	9.14	
34 05 43 00-0371 EA 5/8" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	10.94	
34 05 43 00-0372 EA 5/8" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	13.82	
34 05 43 00-0373 EA 5/8" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	15.64	
34 05 43 00-0374 EA 3/4" Diameter x 8" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	15.56	
34 05 43 00-0375 EA 3/4" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	17.92	
34 05 43 00-0376 EA 3/4" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	22.29	
34 05 43 00-0377 EA 3/4" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	27.40	
34 05 43 00-0378 EA 7/8" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	20.82	
34 05 43 00-0379 EA 7/8" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	24.67	
34 05 43 00-0380 EA 7/8" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	31.94	
34 05 43 00-0381 EA 1" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	26.20	
34 05 43 00-0382 EA 1" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	31.31	
34 05 43 00-0383 EA 1" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	38.91	
34 05 43 00-0384 EA 1" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	47.76	
34 05 43 00-0385 EA 1-1/8" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	31.89	

**34 Transportation****34 05 Common Work Results For Transportation****34 05 43 Common Work Results For Bridges**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0386 EA 1-1/8" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	38.16	
34 05 43 00-0387 EA 1-1/8" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	47.46	
34 05 43 00-0388 EA 1-1/8" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	58.21	
34 05 43 00-0389 EA 1-1/4" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	38.98	
34 05 43 00-0390 EA 1-1/4" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	46.68	
34 05 43 00-0391 EA 1-1/4" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	58.11	
34 05 43 00-0392 EA 1-1/4" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	71.22	
34 05 43 00-0393 EA 1-1/2" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	47.86	
34 05 43 00-0394 EA 1-1/2" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	57.33	
34 05 43 00-0395 EA 1-1/2" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	71.41	
34 05 43 00-0396 EA 1-1/2" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	87.51	
<b>34 05 43 00-0397 Welding For Bridge Repair (34 05 43 00-0314)</b>		
34 05 43 00-0398 EA Minimum Charge For Welding For Bridge Repair.....	1,044.32	
Note: For projects where the total welding charge is less than the minimum charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.		
34 05 43 00-0399 LF 3/16" Fillet Welding For Bridge Repair.....	9.25	
<i>For Full Penetration Weld, Add</i>		
	3.52	
34 05 43 00-0400 LF 1/4" Fillet Welding For Bridge Repair.....	13.87	
<i>For Full Penetration Weld, Add</i>		
	5.28	
34 05 43 00-0401 LF 5/16" Fillet Welding For Bridge Repair.....	18.51	
<i>For Full Penetration Weld, Add</i>		
	7.05	
34 05 43 00-0402 LF 3/8" Fillet Welding For Bridge Repair.....	23.12	
<i>For Full Penetration Weld, Add</i>		
	8.81	
34 05 43 00-0403 LF 7/16" Fillet Welding For Bridge Repair.....	27.30	
<i>For Full Penetration Weld, Add</i>		
	10.57	
34 05 43 00-0404 LF 1/2" Fillet Welding For Bridge Repair.....	32.13	
<i>For Full Penetration Weld, Add</i>		
	12.24	
34 05 43 00-0405 LF 9/16" Fillet Welding For Bridge Repair.....	37.42	
<i>For Full Penetration Weld, Add</i>		
	14.42	
34 05 43 00-0406 LF 5/8" Fillet Welding For Bridge Repair.....	41.27	
<i>For Full Penetration Weld, Add</i>		
	15.86	
34 05 43 00-0407 LF 3/4" Fillet Welding For Bridge Repair.....	56.98	
<i>For Full Penetration Weld, Add</i>		
	21.67	
34 05 43 00-0408 LF 7/8" Fillet Welding For Bridge Repair.....	74.94	
<i>For Full Penetration Weld, Add</i>		
	28.73	
34 05 43 00-0409 LF 1" Fillet Welding For Bridge Repair.....	104.34	
<i>For Full Penetration Weld, Add</i>		
	39.64	
<b>34 05 43 00-0410 Bridge Trough Repair (34 05 43)</b>		
34 05 43 00-0411 EA New Bridge Trough Hanger.....	173.95	16.19
34 05 43 00-0412 EA Reattach By Welding Existing Bridge Trough Hanger, Top And/Or Bottom.....	39.92	
34 05 43 00-0413 EA Replace All Thread For Existing Bridge Trough Hanger.....	74.60	
34 05 43 00-0414 EA Replace Steel Angle Attachment For Existing Bridge Trough Hanger.....	43.46	
<b>34 05 43 00-0415 Spot Paint Removal And Painting, Bridge Structural Steel (34 05 43)</b>		
34 05 43 00-0416 HR Testing For Lead And Asbestos Paint Removal By Asbestos Contractor.....	80.00	
34 05 43 00-0417 EA Up To 4 SF, Flat Surfaces, Non-Contaminated Paint Removal.....	88.50	
34 05 43 00-0418 SF >4 SF, Flat Surfaces, Non-Contaminated Paint Removal.....	22.13	
34 05 43 00-0419 EA Up To 4 SF, Flat Surfaces, Lead Or Asbestos Paint Removal.....	134.90	
Note: Includes HEPA vacuuming.		
34 05 43 00-0420 SF >4 SF, Flat Surfaces, Lead Or Asbestos Paint Removal.....	33.73	
Note: Includes HEPA vacuuming.		
34 05 43 00-0421 CF Treat and Dispose of Removed Paint Waste.....	3.26	
34 05 43 00-0422 SF Flat Surfaces Spot Painting.....	24.75	
Note: Includes 1 coat primer and 2 coats finish.		
34 05 43 00-0423 EA Minimum Charge For Plastic Barrier Enclosure for Paint Removal.....	666.81	
Note: Up to an 8' x 8' area, 7' high. Includes 10 mil plastic on walls and floor. 2"x4" construction. Excludes scaffolding.		
34 05 43 00-0424 SF Plastic Barrier Enclosure For Paint Removal.....	2.08	
Note: For projects where the total charge exceeds the minimum charge for plastic barrier enclosures. Includes 10 mil plastic on floor and walls. 2" x 4" construction. Excludes scaffolding. Use area of walls and floor for quantity.		
<b>34 05 43 00-0425 End Beam Cleaning And Painting (34 05 43)</b>		
34 05 43 00-0426 SF End Beam Cleaning and Painting.....	2.06	
Note: Includes high pressure wash at minimum 3003 to 5000 PSI, spot cleaning damaged/rusted areas with hand and power tools (SSPC - SP2 and SP3), solvent cleaning (SSPC-SP1), one coat of aluminum epoxy mastic (minimum 6 mils) to spot cleaned areas, one coat sealer (1-2 mils), and one coat polyurethane finish.		
<i>For Up To 100, Add</i>		2.06
<i>For &gt;100 To 500, Add</i>		1.36
<i>For &gt;500 To 3,000, Add</i>		0.68
<i>For &gt;5,000 To 7,500, Deduct</i>		-0.31
<i>For &gt;7,500 To 10,000, Deduct</i>		-0.45
<i>For &gt;10,000, Deduct</i>		-0.63
<b>34 05 43 00-0427 Anchors (34 05 43)</b>		
Note: Excludes core drilling. See CSI section 02 41 19 13-0081 for core drilling.		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0428				<b>Threaded Rod, A449</b> <small>(34 05 43 00-0427)</small>		
			LF	7/8" Diameter Continuous Threaded Rod, A449.....	11.86	
			LF	1" Diameter Continuous Threaded Rod, A449.....	14.10	
			LF	1-1/8" Diameter Continuous Threaded Rod, A449.....	16.32	
			LF	1-1/4" Diameter Continuous Threaded Rod, A449.....	20.61	
34 05 43 00-0433				<b>Flat Washers, F436</b> <small>(34 05 43 00-0427)</small>		
			EA	7/8" Flat Washer, F436.....	1.30	
			EA	1" Flat Washer, F436.....	1.52	
			EA	1-1/8" Flat Washer, F436.....	1.66	
			EA	1-1/4" Flat Washer, F436.....	1.90	
34 05 43 00-0438				<b>Heavy Hex Nut, A194</b> <small>(34 05 43 00-0427)</small>		
			EA	7/8" Hex Nut, A194.....	2.61	
			EA	1" Hex Nut, A194.....	3.53	
			EA	1-1/8" Hex Nut, A194.....	4.18	
			EA	1-1/4" Hex Nut, A194.....	5.00	
34 05 43 00-0443				<b>Grout For Threaded Rod</b> <small>(34 05 43 00-0427)</small>		
			IN	Grout 7/8" Rod In Hole.....	1.39	
			IN	Grout 1" Rod In Hole.....	1.58	
			IN	Grout 1-1/8" Rod In Hole.....	1.84	
			IN	Grout 1-1/4" Rod In Hole.....	2.21	
34 05 43 00-0448				<b>Test Grouted Anchor</b> <small>(34 05 43 00-0427)</small>		
			EA	Test Grouted Anchor.....	19.90	
34 05 43 00-0450				<b>Removal Of Fasteners Or Anchors In Concrete</b> <small>(34 05 43 00-0427)</small>		
				Note: Includes removal of damaged, chemically adhered or mechanically fastened bolts, studs, threaded rod or concrete anchors with a carbide drill bit.		
			EA	Drill Out 3/8" Diameter Fastener/Anchor In Concrete.....	13.97	
			EA	Drill Out 1/2" Diameter Fastener/Anchor In Concrete.....	15.01	
			EA	Drill Out 9/16" Diameter Fastener/Anchor In Concrete.....	15.82	
			EA	Drill Out 5/8" Diameter Fastener/Anchor In Concrete.....	17.34	
			EA	Drill Out 3/4" Diameter Fastener/Anchor In Concrete.....	18.95	
			EA	Drill Out 7/8" Diameter Fastener/Anchor In Concrete.....	21.05	
			EA	Drill Out 1" Diameter Fastener/Anchor In Concrete.....	22.28	
			EA	Drill Out 1-1/8" Diameter Fastener/Anchor In Concrete.....	23.77	
			EA	Drill Out 1-1/4" Diameter Fastener/Anchor In Concrete.....	25.67	
			EA	Drill Out 1-1/2" Diameter Fastener/Anchor In Concrete.....	28.75	
34 05 43 00-0461				<b>Snow And Pedestrian Fences For Bridges</b> <small>(34 05 43)</small>		
34 05 43 00-0462				<b>Snow And Pedestrian Fence Assembly For Bridges</b> <small>(34 05 43 00-0461)</small>		
				Note: Includes 1", 11 gauge coiled spring mesh (knuckled selvage), tension bars, post tension bands, wire ties, 1-5/8" top rail, 1-5/8" bottom rail, 2-7/8" post 10' on-center. Posts exclude installation onto bridge. Heights indicated are for mesh to top.		
34 05 43 00-0463				<b>Galvanized Snow And Pedestrian Fence Assembly For Bridges</b> <small>(34 05 43 00-0462)</small>		
			LF	4' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center.....	30.13	4.60
				For Posts 8' On Centers, Add	1.66	
				For Posts 5' On Centers, Add	6.24	
				For Up To 100, Add	5.77	
				For >100 To 250, Add	2.13	
			LF	>4' To 5' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center.....	32.96	4.83
				For Posts 8' On Centers, Add	1.81	
				For Posts 5' On Centers, Add	6.79	
				For Up To 100, Add	6.26	
				For >100 To 250, Add	2.31	
			LF	>5' To 6' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center.....	35.79	5.06
				For Posts 8' On Centers, Add	1.96	
				For Posts 5' On Centers, Add	7.34	
				For Up To 100, Add	6.75	
				For >100 To 250, Add	2.48	
			LF	>6' To 7' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center.....	37.75	5.29
				For Posts 8' On Centers, Add	2.06	
				For Posts 5' On Centers, Add	7.73	
				For Up To 100, Add	7.11	
				For >100 To 250, Add	2.61	

**34 Transportation****34 05 Common Work Results For Transportation****34 05 43 Common Work Results For Bridges**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0468 LF >7' To 8' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center .....	42.94	5.75
For Posts 8' On Centers, Add	2.34	
For Posts 5' On Centers, Add	8.75	
For Up To 100, Add	8.01	
For >100 To 250, Add	2.93	
<b>34 05 43 00-0469 Vinyl Coated Snow And Pedestrian Fence Assembly For Bridges</b> <small>(34 05 43 00-0462)</small>		
34 05 43 00-0470 LF 4' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center .....	31.83	4.60
For Powder Coated, Add	3.86	
For Aluminum Coated, Add	7.71	
For Posts 8' On Centers, Add	1.74	
For Posts 5' On Centers, Add	6.55	
For Up To 100, Add	6.03	
For >100 To 250, Add	2.22	
34 05 43 00-0471 LF >4' To 5' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center .....	35.11	4.83
For Powder Coated, Add	4.38	
For Aluminum Coated, Add	8.77	
For Posts 8' On Centers, Add	1.91	
For Posts 5' On Centers, Add	7.18	
For Up To 100, Add	6.59	
For >100 To 250, Add	2.42	
34 05 43 00-0472 LF >5' To 6' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center .....	40.15	5.06
For Powder Coated, Add	5.27	
For Aluminum Coated, Add	10.54	
For Posts 8' On Centers, Add	2.17	
For Posts 5' On Centers, Add	8.12	
For Up To 100, Add	7.40	
For >100 To 250, Add	2.70	
34 05 43 00-0473 LF >6' To 7' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center .....	42.81	5.29
For Powder Coated, Add	5.67	
For Aluminum Coated, Add	11.35	
For Posts 8' On Centers, Add	2.31	
For Posts 5' On Centers, Add	8.64	
For Up To 100, Add	7.87	
For >100 To 250, Add	2.86	
34 05 43 00-0474 LF >7' To 8' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center .....	48.85	5.75
For Powder Coated, Add	6.63	
For Aluminum Coated, Add	13.26	
For Posts 8' On Centers, Add	2.63	
For Posts 5' On Centers, Add	9.81	
For Up To 100, Add	8.90	
For >100 To 250, Add	3.23	
<b>34 05 43 00-0475 Bridge Connection Mounting For Snow And Pedestrian Fence Assembly</b> <small>(34 05 43 00-0462)</small>		
34 05 43 00-0476 EA Attach Bridge Fence Post To Steel Bridge Railing Post With U-Bolt, Washers And Nuts .....	35.42	
Note: Includes drilling into steel post.		
34 05 43 00-0477 EA Attach Bridge Fence Post Base To Existing Plate, Welding And Touch-up With Galvanized Paint .....	19.61	
34 05 43 00-0478 EA Attach Bridge Fence Post Base With Plate, Welding And Touch-up With Galvanized Paint .....	54.20	
34 05 43 00-0479 EA Attach Bridge Fence Post To Concrete Safety Shape Barrier With Bolt, 5/8" Diameter x 4-3/4" Anchor Rods, Washers And Nuts .....	55.90	
Note: Includes drilling into steel post.		
34 05 43 00-0480 EA Attach Bridge Fence Post To Stone Faced Barrier Top With Plate, 3/8" Diameter Anchor Rods, Washers And Nuts .....	78.96	
Note: Includes drilling into steel post.		
<b>34 05 43 00-0481 Mobilize Bridge Crew</b> <small>(34 05 43)</small>		
Note: Excludes mobilize jacking crew.		
34 05 43 00-0482 EA Mobilize Bridge Crew .....	720.07	
<b>34 05 43 00-0483 Bridge And Structures Concrete Repair</b> <small>(34 05 43)</small>		
Note: This section is used for repairing areas of concrete decks, floors, verticals and overheads and approximately 1" to 6" deep in connection with bridge and structure repairs. Includes chipping, sandblasting, cleaning, primer, formwork, cement/concrete as listed, finish and debris removal. Excludes scaffolding, saw cutting, disposal and/or concrete pump truck.		
<b>34 05 43 00-0484 Patch Decks Or Floors</b> <small>(34 05 43 00-0483)</small>		
Note: For patching decks and floors, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.		
34 05 43 00-0485 EA Patch Up To 16 SF Of Decks Or Floors, Up To 6" Portland Cement Based Repair Material .....	1,079.37	
34 05 43 00-0486 SF Patch >16 SF Decks Or Floors, Up To 6" Portland Cement Based Repair Material .....	46.64	
34 05 43 00-0487 EA Patch Up To 16 SF Of Decks Or Floors, Up To 6" Rapid Set Concrete Repair Material .....	1,122.83	
34 05 43 00-0488 SF Patch >16 SF Decks Or Floors, Up To 6" Rapid Set Concrete Repair Material .....	49.36	
34 05 43 00-0489 EA Patch Up To 16 SF Of Decks Or Floors, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate .....	1,113.22	
34 05 43 00-0490 SF Patch >16 SF Decks Or Floors, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate .....	48.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0491 EA Patch Up To 16 SF Of Decks Or Floors, Up To 6" SSI Flex Patch (Other Than Specified).....	1,849.82	
<i>For Owner Furnished Material, Deduct</i>	-902.82	
34 05 43 00-0492 SF Patch >16 SF Decks Or Floors, Up To 6" SSI Flex Patch (Other Than Specified) .....	94.79	
<i>For Owner Furnished Material, Deduct</i>	-56.41	
<b>34 05 43 00-0493 Patch Verticals Or Overheads</b> <small>(34 05 43 00-0483)</small>		
<small>Note: For patching verticals and overhead, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.</small>		
34 05 43 00-0494 EA Patch Up To 16 SF Of Verticals Or Overheads, Up To 6" Portland Cement Based Repair Material .....	1,264.43	
34 05 43 00-0495 SF Patch >16 SF Verticals Or Overheads, Up To 6" Portland Cement Based Repair Material.....	55.90	
34 05 43 00-0496 EA Patch Up To 16 SF Of Verticals Or Overheads, Up To 6" Rapid Set Concrete Repair Material.....	1,307.89	
34 05 43 00-0497 SF Patch >16 SF Verticals Or Overheads, Up To 6" Rapid Set Concrete Repair Material .....	58.62	
34 05 43 00-0498 EA Patch Up To 16 SF Of Verticals Or Overheads, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate .....	1,298.28	
34 05 43 00-0499 SF Patch >16 SF Verticals Or Overheads, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate.....	58.02	
34 05 43 00-0500 EA Patch Up To 16 SF Of Verticals Or Overheads, Up To 6" SSI Flex Patch (Other Than Specified).....	2,034.88	
<i>For Owner Furnished Material, Deduct</i>	-902.82	
34 05 43 00-0501 SF Patch >16 SF Verticals Or Overheads, Up To 6" SSI Flex Patch (Other Than Specified) .....	104.05	
<i>For Owner Furnished Material, Deduct</i>	-56.41	
<b>34 05 43 00-0502 Patch Pier Caps And Pedestals</b> <small>(34 05 43 00-0483)</small>		
<small>Note: For patching pier caps and pedestals, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.</small>		
34 05 43 00-0503 EA Patch Up To 16 SF Of Pier Caps And Pedestals, Up To 6" Portland Cement Based Repair Material.....	1,449.48	
34 05 43 00-0504 SF Patch >16 SF Pier Caps And Pedestals, Up To 6" Portland Cement Based Repair Material .....	62.83	
34 05 43 00-0505 EA Patch Up To 16 SF Of Pier Caps And Pedestals, Up To 6" Rapid Set Concrete Repair Material .....	1,492.94	
34 05 43 00-0506 SF Patch >16 SF Pier Caps And Pedestals, Up To 6" Rapid Set Concrete Repair Material.....	65.55	
34 05 43 00-0507 EA Patch Up To 16 SF Of Pier Caps And Pedestals, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate.....	1,483.33	
34 05 43 00-0508 SF Patch >16 SF Pier Caps And Pedestals, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate .....	64.95	
34 05 43 00-0509 EA Patch Up To 16 SF Of Pier Caps And Pedestals, Up To 6" SSI Flex Patch (Other Than Specified).....	2,219.93	
<i>For Owner Furnished Material, Deduct</i>	-902.82	
34 05 43 00-0510 SF Patch >16 SF Pier Caps And Pedestals, Up To 6" SSI Flex Patch (Other Than Specified) .....	110.98	
<i>For Owner Furnished Material, Deduct</i>	-56.41	
<b>34 05 43 00-0511 Patch Circular Piers</b> <small>(34 05 43 00-0483)</small>		
<small>Note: For patching circular piers, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.</small>		
34 05 43 00-0512 EA Patch Up To 16 SF Of Circular Pier, Up To 6" Portland Cement Based Repair Material.....	1,727.08	
34 05 43 00-0513 SF Patch >16 SF Of Circular Pier, Up To 6" Portland Cement Based Repair Material .....	69.78	
34 05 43 00-0514 EA Patch Up To 16 SF Of Circular Pier, Up To 6" Rapid Set Concrete Repair Material.....	1,770.54	
34 05 43 00-0515 SF Patch >16 SF Of Circular Pier, Up To 6" Rapid Set Concrete Repair Material .....	72.50	
34 05 43 00-0516 EA Patch Up To 16 SF Of Circular Pier, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate.....	1,760.93	
34 05 43 00-0517 SF Patch >16 SF Circular Pier, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate .....	84.92	
34 05 43 00-0518 EA Patch Up To 16 SF Of Circular Pier, Up To 6" SSI Flex Patch (Other Than Specified) .....	2,497.53	
<i>For Owner Furnished Material, Deduct</i>	-902.82	
34 05 43 00-0519 SF Patch >16 SF Of Circular Pier, Up To 6" SSI Flex Patch (Other Than Specified).....	117.93	
<i>For Owner Furnished Material, Deduct</i>	-56.41	
<b>34 05 43 00-0520 Fiber Reinforced Shotcrete Repair</b> <small>(34 05 43)</small>		
34 05 43 00-0521 EA Mobilize Fiber Reinforced Shotcrete Repair Crew .....	387.23	
34 05 43 00-0522 SF Up to 2" Thick, Fiber Reinforced Shotcrete Repair .....	30.84	
<i>For Up To 25, Add</i>	14.52	
<i>For &gt;25 To 50, Add</i>	7.26	
<i>For &gt;50 To 150, Add</i>	2.90	
34 05 43 00-0523 SF >2" To 4" Thick, Fiber Reinforced Shotcrete Repair .....	37.47	
<i>For Up To 25, Add</i>	16.94	
<i>For &gt;25 To 50, Add</i>	8.47	
<i>For &gt;50 To 150, Add</i>	3.39	
34 05 43 00-0524 SF >4" To 6" Thick, Fiber Reinforced Shotcrete Repair .....	44.11	
<i>For Up To 25, Add</i>	19.36	
<i>For &gt;25 To 50, Add</i>	9.68	
<i>For &gt;50 To 150, Add</i>	3.87	
<b>34 10 Guideways/Railways</b> <small>(34)</small>		
<b>34 11 Rail Tracks</b> <small>(34 10)</small>		
<b>34 11 13 Track Rails</b> <small>(34 11)</small>		
<b>34 11 13 23 Heavy Rail Track</b> <small>(34 11 13)</small>		
<b>34 11 13 23-0001 Rail A.R.A.-A. And A.R.A.E., New Prime Rail And Relays</b> <small>(34 11 13 23)</small>		
<small>See CSI section 34 11 36 00-0000 for fasteners and accessories.</small>		
34 11 13 23-0002 LF Railroad Work, 90 LB Prime Rail ARA-A And ARAE .....	24.58	3.22
34 11 13 23-0003 LF Railroad Work, 90 LB Prime Relay ARA-A And ARAE .....	14.28	3.22



<b>34</b>	<b>Transportation</b>
<b>34 10</b>	<b>Guideways/Railways</b>
<b>34 11</b>	<b>Rail Tracks</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 11 13 23-0004 LF Railroad Work, 100 LB Prime Rail ARA-A And ARAE .....	26.97	3.38
34 11 13 23-0005 LF Railroad Work, 100 LB Prime Relay ARA-A And ARAE .....	15.56	3.38
34 11 13 23-0006 LF Railroad Work, 110 LB Prime Rail ARA-A And ARAE .....	30.37	3.54
34 11 13 23-0007 LF Railroad Work, 110 LB Prime Relay ARA-A And ARAE .....	17.34	3.54
34 11 13 23-0008 LF Railroad Work, 115 LB Prime Rail ARA-A And ARAE .....	35.68	3.86
34 11 13 23-0009 LF Railroad Work, 115 LB Prime Relay ARA-A And ARAE .....	20.18	3.86
34 11 13 23-0010 LF Railroad Work, 132 LB Prime Rail ARA-A And ARAE .....	41.14	4.30
34 11 13 23-0011 LF Railroad Work, 132 LB Prime Relay ARA-A And ARAE .....	23.15	4.30
<b>34 11 13 23-0012 Turnouts, A.R.A.-A. And A.R.E.A., New No. 8</b> <small>(34 11 13 23)</small>		
34 11 13 23-0013 EA Railroad Work, 90 LB Number 8 Turnout ARA-A And ARAE .....	16,780.08	1,202.01
34 11 13 23-0014 EA Railroad Work, 90 LB Number 8 Turnout Relay ARA-A And ARAE .....	12,608.79	1,202.01
34 11 13 23-0015 EA Railroad Work, 100 LB Number 8 Turnout ARA-A And ARAE .....	17,912.65	1,202.01
34 11 13 23-0016 EA Railroad Work, 100 LB Number 8 Turnout Relay ARA-A And ARAE .....	13,535.23	1,202.01
34 11 13 23-0017 EA Railroad Work, 110 LB Number 8 Turnout ARA-A And ARAE .....	18,630.65	1,202.01
34 11 13 23-0018 EA Railroad Work, 110 LB Number 8 Turnout Relay ARA-A And ARAE .....	13,817.79	1,202.01
34 11 13 23-0019 EA Railroad Work, 115 LB Number 8 Turnout ARA-A And ARAE .....	23,702.90	1,202.01
34 11 13 23-0020 EA Railroad Work, 115 LB Number 8 Turnout Relay ARA-A And ARAE .....	13,998.45	1,202.01
34 11 13 23-0021 EA Railroad Work, 132 LB Number 8 Turnout ARA-A And ARAE .....	25,033.42	1,202.01
34 11 13 23-0022 EA Railroad Work, 132 LB Number 8 Turnout Relay ARA-A And ARAE .....	14,495.75	1,202.01
<b>34 11 19 Track Rail Joints</b> <small>(34 11)</small>		
<b>34 11 19 00-0001 Angle Bars A.R.A.-A. And A.R.E.A.</b> <small>(34 11 19)</small>		
Note: New prime angle bars and relays.		
34 11 19 00-0002 PR Railroad Work, 90 LB Angle Bar ARA-A And ARAE .....	58.89	1.57
34 11 19 00-0003 PR Railroad Work, 90 LB Angle Bar Relay ARA-A And ARAE .....	25.43	1.57
34 11 19 00-0004 PR Railroad Work, 100 LB Angle Bar ARA-A And ARAE .....	61.87	1.57
34 11 19 00-0005 PR Railroad Work, 100 LB Angle Bar Relay ARA-A And ARAE .....	26.63	1.57
34 11 19 00-0006 PR Railroad Work, 110 LB Angle Bar ARA-A And ARAE .....	76.66	1.57
34 11 19 00-0007 PR Railroad Work, 110 LB Angle Bar Relay ARA-A And ARAE .....	32.64	1.57
34 11 19 00-0008 PR Railroad Work, 115 LB Angle Bar ARA-A And ARAE .....	91.48	1.57
34 11 19 00-0009 PR Railroad Work, 115 LB Angle Bar Relay ARA-A And ARAE .....	38.65	1.57
34 11 19 00-0010 PR Railroad Work, 132 LB Angle Bar ARA-A And ARAE .....	109.27	1.57
34 11 19 00-0011 PR Railroad Work, 132 LB Angle Bar Relay ARA-A And ARAE .....	45.87	1.57
<b>34 11 19 00-0012 Tie Plates A.R.A.-A. And A.R.E.A., New Tie Plates And Relays</b> <small>(34 11 19)</small>		
34 11 19 00-0013 EA Railroad Work, 90 LB Tie Plate ARA-A And ARAE .....	10.59	0.78
34 11 19 00-0014 EA Railroad Work, 90 LB Tie Plate Relay ARA-A And ARAE .....	4.18	0.78
34 11 19 00-0015 EA Railroad Work, 100 LB Tie Plate ARA-A And ARAE .....	10.59	0.78
34 11 19 00-0016 EA Railroad Work, 100 LB Tie Plate Relay ARA-A And ARAE .....	4.18	0.78
34 11 19 00-0017 EA Railroad Work, 110 LB Tie Plate ARA-A And ARAE .....	15.29	0.78
34 11 19 00-0018 EA Railroad Work, 110 LB Tie Plate Relay ARA-A And ARAE .....	7.79	0.78
34 11 19 00-0019 EA Railroad Work, 115 LB Tie Plate ARA-A And ARAE .....	15.29	0.78
34 11 19 00-0020 EA Railroad Work, 115 LB Tie Plate Relay ARA-A And ARAE .....	7.79	0.78
34 11 19 00-0021 EA Railroad Work, 132 LB Tie Plate ARA-A And ARAE .....	17.05	0.78
34 11 19 00-0022 EA Railroad Work, 132 LB Tie Plate Relay ARA-A And ARAE .....	8.99	0.78
<b>34 11 26 Ballasted Track Rail</b> <small>(34 11)</small>		
<b>34 11 26 13 Track Rail Ballast</b> <small>(34 11 26)</small>		
34 11 26 13-0001 TON Railroad Work, Ballast .....	52.13	
<b>34 11 33 Track Cross Ties</b> <small>(34 11)</small>		
<b>34 11 33 13 Concrete Track Cross Ties</b> <small>(34 11 33)</small>		
34 11 33 13-0001 EA Railroad Work 8'-6" Concrete Cross Tie .....	87.05	5.10
<b>34 11 33 16 Timber Track Cross Ties</b> <small>(34 11 33)</small>		
34 11 33 16-0001 EA Railroad Work 8'-6" Wood Cross Tie .....	234.91	2.75
34 11 33 16-0002 BF Railroad Work, Wood Switch Ties.....	8.80	0.59
<b>34 11 36 Track Rail Fasteners</b> <small>(34 11)</small>		
34 11 36 00-0001 EA Railroad Work, 5" Tie Plugs .....	1.29	0.59
34 11 36 00-0002 EA Railroad Work 1" Track Bolts And Nuts .....	5.23	0.59
34 11 36 00-0003 EA Railroad Work 1" Track Lockwashers .....	1.36	0.36
34 11 36 00-0004 EA Railroad Work, 6" Track Spikes .....	5.96	1.77
34 11 36 00-0005 EA Railroad Work, Rail Anchors .....	6.07	1.77
34 11 36 00-0006 EA Railroad Work, Gauge Rods .....	47.21	4.32
34 11 36 00-0007 PR Railroad Work, Compromise Splice Bar .....	477.14	7.07
<b>34 11 93 Track Appurtenances And Accessories</b> <small>(34 11)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>34 11 93 00-0001</b> <b>Track Accessories</b> <small>(34 11 93)</small>		
34 11 93 00-0002    EA    Railroad Bumpers, Standard.....	3,410.90	459.13
34 11 93 00-0003    EA    Railroad Bumpers, Heavy Duty.....	5,638.36	459.13
34 11 93 00-0004    PR    Railroad Car Wheel Stops .....	1,000.95	65.57
34 11 93 00-0005    EA    Hand Throw Derailer With Standard Timbers, Sliding .....	1,797.43	166.86
34 11 93 00-0006    LF    Crushed Stone Ballast, Railroad Work .....	21.72	
<b>34 11 93 00-0007</b> <b>Railroad Crossings</b> <small>(34 11 93)</small>		
<b>34 11 93 00-0008</b> <b>Asphalt Railroad Crossings</b> <small>(34 11 93 00-0007)</small>		
Note: Based on 8" thickness x 20' including track and approach.		
34 11 93 00-0009    EA    8" Asphalt Railroad Crossing, 12' Roadway 6 CY.....	1,054.29	167.77
34 11 93 00-0010    EA    8" Asphalt Railroad Crossing, 15' Roadway 7.4 CY.....	1,239.56	190.13
34 11 93 00-0011    EA    8" Asphalt Railroad Crossing, 18' Roadway 8.9 CY.....	1,463.20	223.69
34 11 93 00-0012    EA    8" Asphalt Railroad Crossing, 21' Roadway 10.4 CY.....	1,737.96	268.43
34 11 93 00-0013    EA    8" Asphalt Railroad Crossing, 24' Roadway 11.9 CY.....	2,102.18	335.53
<b>34 11 93 00-0014</b> <b>Railroad Crossings - Precast Concrete Inserts</b> <small>(34 11 93 00-0007)</small>		
Note: Based on 6" thickness x standard rail width gauge.		
34 11 93 00-0015    EA    Precast Concrete, Railroad Crossing, 12' Road 6" Thick, Standard Gauge.....	5,910.72	91.74
34 11 93 00-0016    EA    Precast Concrete, Railroad Crossing, 15' Road 6" Thick, Standard Gauge.....	7,388.41	111.40
34 11 93 00-0017    EA    Precast Concrete, Railroad Crossing, 18' Road 6" Thick, Standard Gauge.....	8,862.83	137.60
34 11 93 00-0018    EA    Precast Concrete, Railroad Crossing, 21' Road 6" Thick, Standard Gauge.....	10,338.10	157.25
34 11 93 00-0019    EA    Precast Concrete, Railroad Crossing, 24' Road 6" Thick, Standard Gauge.....	11,812.84	183.47
<b>34 11 93 00-0020</b> <b>Molded Rubber Railroad Crossings With Headers</b> <small>(34 11 93 00-0007)</small>		
Note: Based on 3' x 8'-6" sections.		
34 11 93 00-0021    EA    Molded Rubber Railroad Crossing, 12' Road 3' x 8'-6" Sections With Headers.....	2,792.15	91.74
34 11 93 00-0022    EA    Molded Rubber Railroad Crossing, 15' Road 3' x 8'-6" Sections With Headers.....	3,302.53	111.40
34 11 93 00-0023    EA    Molded Rubber Railroad Crossing, 18' Road 3' x 8'-6" Sections With Headers.....	3,809.66	137.60
34 11 93 00-0024    EA    Molded Rubber Railroad Crossing, 21' Road 3' x 8'-6" Sections With Headers.....	4,317.62	157.25
34 11 93 00-0025    EA    Molded Rubber Railroad Crossing, 24' Road 3' x 8'-6" Sections With Headers.....	4,825.07	183.47
<b>34 11 93 00-0026</b> <b>Rehabilitation Of Existing Crossings</b> <small>(34 11 93)</small>		
Note: Includes removal, reworking and reinstallation of crossing members, subgrade, ballast, ties and rails.		
34 11 93 00-0027    EA    Maintenance Of Existing Railroad Crossing Members, Subgrade, Ballast, Ties.....	9,120.34	
<b>34 11 93 00-0028</b> <b>Railroad Trackage Demolition</b> <small>(34 11 93)</small>		
34 11 93 00-0029    CY    Remove Railroad Track Ballast .....	4.24	
34 11 93 00-0030    LF    Remove Railroad Track Rail And Spikes.....	10.59	
34 11 93 00-0031    EA    Remove/Dispose Of Concrete Post Footings .....	65.11	
34 11 93 00-0032    EA    Backfill Holes From Post Removal.....	27.14	

**34 40 Transportation Signaling and Control Equipment** (34)

**34 41 Roadway Signaling and Control Equipment** (34 40)

**34 41 13 Traffic Signals** (34 41)

**34 41 13 00-0001 Traffic Signals** (34 41 13)

34 41 13 00-0002    EA    Single Traffic Signal Head, 4 Way Pattern.....	4,073.14	495.40
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**34 41 13 00-0003 Traffic Detector Induction Loop** (34 41 13)

34 41 13 00-0004    EA    6' x 6', Dipole, 3 Turns Per Loop, Traffic Detection Induction Loop .....	202.30	
Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0005    EA    6' x 6', Diagonal Quadrupole, 3 Turns Per Loop, Traffic Detection Induction Loop.....	252.31	
Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0006    EA    6' x 6', Diagonal Quadrupole, 5 Turns Per Loop, Traffic Detection Induction Loop.....	292.62	
Note: Includes saw cutting, 5 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0007    EA    6' x 6', Quadrupole, Bicycle Type, 3 Turns Per Loop, Traffic Detection Induction Loop.....	247.52	
Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0008    EA    6' x 20', 3 Turns Per Loop, Traffic Detection Induction Loop.....	429.61	
Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0009    EA    6' x 28', 2 Turns Per Loop, Traffic Detection Induction Loop.....	520.33	
Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0010    EA    6' x 28', 3 Turns Per Loop, Traffic Detection Induction Loop.....	561.84	
Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		

**34 Transportation****34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0011 EA 6' x 40', 1 Turn Per Loop, Traffic Detection Induction Loop ..... Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	674.26	
34 41 13 00-0012 EA 6' x 40', 2 Turns Per Loop, Traffic Detection Induction Loop ..... Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	735.49	
34 41 13 00-0013 EA 6' x 50', 1 Turn Per Loop, Traffic Detection Induction Loop ..... Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	776.97	
34 41 13 00-0014 EA 6' x 50', 2 Turns Per Loop, Traffic Detection Induction Loop ..... Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	851.77	
34 41 13 00-0015 LF In Pavement, Lead Wire For Traffic Signal Detector ..... Note: Includes saw cutting, sealing and splicing into traffic signal loop wire in street. Excludes junction box or conduit.	3.84	
34 41 13 00-0016 LF In Earthwork, Lead Wire For Traffic Signal Detector ..... Note: Includes trenching in earthwork and splicing into traffic signal loop wire. Excludes junction box or conduit.	1.96	
34 41 13 00-0017 EA 2 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model 222).....	158.53	
34 41 13 00-0018 EA 4 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model E-1100) .....	447.47	
34 41 13 00-0019 EA 2 Channel, Rack Mounted, Traffic Loop Bicycle Detector (Reno A&E Model C-1100) .....	277.94	
<b>34 41 13 00-0020 Overhead Traffic Signals (34 41 13)</b>		
34 41 13 00-0021 EA Vehicle Signal Face, LED, 1 - 12" Section .....	339.40	105.27
34 41 13 00-0022 EA Vehicle Signal Face, LED, 2 - 12" Sections .....	551.10	148.62
34 41 13 00-0023 EA Vehicle Signal Face, LED, 3 - 12" Sections .....	771.52	181.65
34 41 13 00-0024 EA Vehicle Signal Face, LED, 3 - 12" Sections, Middle Section Blank.....	733.25	181.65
34 41 13 00-0025 EA Vehicle Signal Face, LED, 4 - 12" Sections .....	978.64	202.28
34 41 13 00-0026 EA Vehicle Signal Face, LED, 5 - 12" Sections .....	1,169.25	214.68
34 41 13 00-0027 EA Vehicle Signal Face, LED, 5 - 12" Sections, Cluster.....	1,243.24	214.68
34 41 13 00-0028 EA Vehicle Signal Face, LED, 1 - 8" Section.....	320.26	105.27
34 41 13 00-0029 EA Vehicle Signal Face, LED, 2 - 8" Sections .....	512.83	148.62
34 41 13 00-0030 EA Vehicle Signal Face, LED, 3 - 8" Sections .....	678.40	181.65
34 41 13 00-0031 EA Vehicle Signal Face, LED, 2 - 8" Sections, 1 - 12" Section .....	725.60	181.65
34 41 13 00-0032 EA Vehicle Signal Face, LED, 2 - 8" Sections, 2 - 12" Sections .....	897.00	202.28
34 41 13 00-0033 EA Vehicle Signal Face, LED, 3 - 8" Sections, 1 - 12" Section .....	870.21	202.28
34 41 13 00-0034 EA Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections .....	1,028.92	214.68
34 41 13 00-0035 EA Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections In Cluster.....	1,088.88	214.68
34 41 13 00-0036 EA Vehicle Signal Face, LED, 3 - 12" Sections, Optically Programmed .....	1,562.46	181.65
34 41 13 00-0037 EA Vehicle Signal Face, LED, 4 - 12" Sections, Optically Programmed .....	2,041.30	202.28
34 41 13 00-0038 EA Vehicle Signal Face, LED, 5 - 12" Sections, Optically Programmed .....	2,661.82	214.68
34 41 13 00-0039 EA Vehicle Signal Face, LED, 5 - 12" Sections In Cluster, Optically Programmed.....	2,885.06	214.68
34 41 13 00-0040 EA Pedestrian Signal Head .....	592.14	123.85
34 41 13 00-0041 EA Pedestrian Signal Insert.....	364.96	61.93
34 41 13 00-0042 EA Audible Pedestrian Signal.....	768.63	
34 41 13 00-0043 EA Junction Box, Pole Or Post Mounted .....	307.46	
34 41 13 00-0044 EA Pedestrian Push Button .....	282.19	
34 41 13 00-0045 EA Illuminated Sign, Bracket Mounted, Symbolic.....	2,199.83	
34 41 13 00-0046 EA Illuminated Sign, Mast Arm Mounted, Symbolic.....	2,300.04	
34 41 13 00-0047 EA Sign, Message, "BLANK OUT", Bracket Mounted .....	2,415.93	
34 41 13 00-0048 EA Sign, Message, "BLANK OUT", Mast Arm Mounted .....	2,571.54	
34 41 13 00-0049 EA 15' Steel Straight Mast Arm, MONOTUBE.....	1,726.01	
34 41 13 00-0050 EA 20' Steel Straight Mast Arm, MONOTUBE.....	1,813.36	
34 41 13 00-0051 EA 25' Steel Straight Mast Arm, MONOTUBE.....	1,938.82	
34 41 13 00-0052 EA 30' Steel Straight Mast Arm, MONOTUBE.....	2,599.15	
34 41 13 00-0053 EA 35' Steel Straight Mast Arm, MONOTUBE.....	3,121.47	
34 41 13 00-0054 EA 40' Steel Straight Mast Arm, MONOTUBE.....	3,348.71	
34 41 13 00-0055 EA 45' Steel Straight Mast Arm, MONOTUBE.....	3,685.44	
34 41 13 00-0056 EA 50' Steel Straight Mast Arm, MONOTUBE.....	4,182.74	
34 41 13 00-0057 EA 55' Steel Straight Mast Arm, MONOTUBE.....	4,769.58	
34 41 13 00-0058 EA 60' Steel Straight Mast Arm, MONOTUBE.....	5,161.64	
34 41 13 00-0059 EA 65' Steel Straight Mast Arm, MONOTUBE.....	5,986.29	
34 41 13 00-0060 EA 4' Steel Curved Luminaire Mast Arm .....	593.92	
For High Rise Arm, Add	47.60	
34 41 13 00-0061 EA 6' Steel Curved Luminaire Mast Arm .....	771.00	
For High Rise Arm, Add	63.63	
34 41 13 00-0062 EA 8' Steel Curved Luminaire Mast Arm .....	964.61	
For High Rise Arm, Add	79.67	
34 41 13 00-0063 EA 10' Steel Curved Luminaire Mast Arm.....	1,332.33	
For High Rise Arm, Add	93.67	
34 41 13 00-0064 EA 12' Steel Curved Luminaire Mast Arm.....	1,467.16	
For High Rise Arm, Add	110.47	
34 41 13 00-0065 EA 15' Steel Curved Luminaire Mast Arm.....	1,529.17	
For High Rise Arm, Add	123.20	
34 41 13 00-0066 EA 18' Steel Curved Luminaire Mast Arm.....	1,631.76	
For High Rise Arm, Add	135.16	
34 41 13 00-0067 EA 15' Tubular Aluminum Post .....	630.15	
34 41 13 00-0068 EA 17' Tubular Aluminum Post .....	672.39	
34 41 13 00-0069 EA 20' Tubular Aluminum Post .....	748.82	
34 41 13 00-0070 EA 20' Steel Curved Luminaire Mast Arm.....	1,733.61	
For High Rise Arm, Add	147.12	
34 41 13 00-0071 EA CUT-OFF POLE AND CAPPED .....	112.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0072 EA Optical Detector For Mast Arm Mounting, 1 Channel, 1 Way .....	685.77	146.75
34 41 13 00-0073 EA Optical Detector For Mast Arm Mounting, 1 Channel, 2 Way .....	749.56	146.75
34 41 13 00-0074 EA Optical Detector For Mast Arm Mounting, 2 Channel .....	958.77	146.75
34 41 13 00-0075 EA Optical Detector For Pole-Side Mounting, 1 Channel, 1 Way .....	685.77	146.75
34 41 13 00-0076 EA Optical Detector For Pole-Side Mounting, 1 Channel, 2 Way .....	749.56	146.75
34 41 13 00-0077 EA Optical Detector For Pole-Side Mounting, 2 Channel .....	958.77	146.75
34 41 13 00-0078 EA Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 1 Way .....	685.77	146.75
34 41 13 00-0079 EA Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 2 Way .....	749.56	146.75
34 41 13 00-0080 EA Optical Detector For Pedestal Or Pipe Mounting, 2 Channel .....	958.77	146.75
34 41 13 00-0081 EA Optical Detector For Span Wire Mounting, 1 Channel, 1 Way .....	685.77	146.75
34 41 13 00-0082 EA Optical Detector For Span Wire Mounting, 1 Channel, 2 Way .....	749.56	146.75
34 41 13 00-0083 EA Optical Detector For Span Wire Mounting, 2 Channel .....	958.77	146.75
34 41 13 00-0084 EA Optical Detector For Signal Top Mounting, 1 Channel, 1 Way .....	685.77	146.75
34 41 13 00-0085 EA Optical Detector For Signal Top Mounting, 1 Channel, 2 Way .....	749.56	146.75
34 41 13 00-0086 EA Optical Detector For Signal Top Mounting, 2 Channel .....	958.77	146.75
34 41 13 00-0087 EA Time Switch, 1-Circuit .....	265.47	22.02
34 41 13 00-0088 EA Digital Loop-Type Vehicle Detector Card, 2-Channel, Normal .....	219.91	9.17
34 41 13 00-0089 EA Digital Loop-Type Vehicle Detector Card, 2-Channel, Stretch/Delay .....	287.52	9.17
34 41 13 00-0090 EA Digital Loop-Type Vehicle Detector Card, 4-Channel, Normal .....	408.71	9.17
34 41 13 00-0091 EA Digital Loop-Type Vehicle Detector Card, 4-Channel, Stretch/Delay .....	513.32	9.17
34 41 13 00-0092 EA Digital Loop-Type Vehicle Detector Card Rack With Power Supply For Controller Cabinet .....	1,393.55	9.17
34 41 13 00-0093 EA Digital Loop-Type Vehicle Detector Card Rack With Power Supply For Remote Detector Cabinet .....	1,393.55	9.17
34 41 13 00-0094 EA Power Line Surge Protector .....	128.87	5.50
34 41 13 00-0095 EA Loop Detector Surge Protector .....	65.67	5.50
34 41 13 00-0096 EA 1 Channel Loop Detector Amp .....	920.54	
34 41 13 00-0097 EA 4 Channel Loop Detector Amp .....	1,730.86	
34 41 13 00-0098 LF Loop Detector .....	3.80	
Note: Includes saw cutting, sealing and splicing into leads in street.		
34 41 13 00-0099 LF Detector Loop Cable (Lead Wire) .....	3.71	
34 41 13 00-0100 LF Detector Loop Cable, Loop Type B .....	3.62	
34 41 13 00-0101 EA FLASHING BEACON WITH DOWNLIGHT .....	1,339.29	
34 41 13 00-0102 EA Flashing Beacon, Bracket Mounted .....	471.44	
34 41 13 00-0103 EA Flashing Beacon, Mast Arm Mounted .....	471.44	
34 41 13 00-0104 EA 7-WIRE MASTER INTERCONNECT .....	844.32	
34 41 13 00-0105 EA 7-WIRE SLAVE INTERCONNECT .....	810.38	
34 41 13 00-0106 EA Service Equipment Enclosure, Type III-AF .....	824.77	
34 41 13 00-0107 EA 12", 3 Section Signal, Mast Arm Mounted .....	984.80	
34 41 13 00-0108 EA 8", 3 Section Signal, Mast Arm Mounted .....	878.58	
34 41 13 00-0109 EA 12" FCV Visor .....	59.06	
34 41 13 00-0110 EA 8" FCV Visor .....	42.05	
34 41 13 00-0111 EA Eggcrate Visor .....	56.95	
34 41 13 00-0112 EA Pedestrian H/M .....	647.14	
34 41 13 00-0113 EA Pedestrian Audio .....	709.81	
34 41 13 00-0114 EA Adjustable Pushbutton .....	176.97	
34 41 13 00-0115 EA ADA Cap And Switch .....	223.80	
34 41 13 00-0116 EA 3 Section 12" Backplate .....	95.86	
34 41 13 00-0117 EA 3 Section 12" MAS Mount Backplate .....	141.28	
34 41 13 00-0118 EA 3 Section 8" Backplate .....	77.35	
34 41 13 00-0119 EA 12" Red LED Lenses .....	162.67	
34 41 13 00-0120 EA 12" Amber LED Lenses .....	174.38	
34 41 13 00-0121 EA 12" Green LED Lenses .....	302.81	
34 41 13 00-0122 EA 12" Red Arrow .....	161.73	
34 41 13 00-0123 EA 12" Amber Arrow .....	153.15	
34 41 13 00-0124 EA 12" Green Arrow .....	228.28	
34 41 13 00-0125 EA 8" Red .....	159.99	
34 41 13 00-0126 EA 8" Amber .....	153.66	
34 41 13 00-0127 EA 8" Green .....	184.90	
34 41 13 00-0128 EA Hand/Man .....	278.89	
34 41 13 00-0129 EA Frameworks, 8" TV-1-T .....	340.05	
34 41 13 00-0130 EA Frameworks, 8" TV-2-T .....	385.53	
34 41 13 00-0131 EA Frameworks, MAT MT .....	101.76	
34 41 13 00-0132 EA Frameworks, MAS MT .....	110.85	
34 41 13 00-0133 EA Frameworks, 3W PT TC .....	249.18	
34 41 13 00-0134 EA Frameworks, 2W PT TC .....	222.38	
34 41 13 00-0135 EA Frameworks, 2W SM TC .....	210.25	
34 41 13 00-0136 EA Frameworks, SV-1 .....	139.76	
34 41 13 00-0137 EA Frameworks, TV-1 .....	135.21	
34 41 13 00-0138 EA Type III Service Pedestal .....	2,659.89	
34 41 13 00-0139 EA Single Fuse Holder .....	25.77	
34 41 13 00-0140 EA Double Fuse Holder .....	63.95	
34 41 13 00-0141 EA Pullbox, 1-1/2" x 20" x 14" .....	59.23	
34 41 13 00-0142 EA Pullbox, 5" x 28" x 18" .....	80.09	
34 41 13 00-0143 EA Pullbox, 6" x 36" x 23" .....	104.22	
34 41 13 00-0144 EA Pullbox Lids, FL9D .....	63.53	
34 41 13 00-0145 EA Pullbox Lids, FL30D .....	118.26	
34 41 13 00-0146 EA Pullbox Lids, FL36D .....	29.50	
34 41 13 00-0147 EA LED Enhanced Pedestrian Crossing Symbol Sign .....	1,121.75	67.08
Note: 2 required per system.		
34 41 13 00-0148 EA 42" Height, 8-1/2" Diameter Automatic Bollard Activation System .....	3,240.66	402.50
Note: 4 required per system.		

**34 Transportation****34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0149 EA Power Control Unit With Enclosure (Solar)..... Note: LightGuard Systems solar power equipment Includes: one solar array consisting of 1 Siemens SP70 solar power module (21" x 47" to be pole mounted, pole not included), #14 AWG solar tray cable, mounting hardware, one enclosure (16-1/2" width x 27-1/2" height x 15" depth), two 12V 80AH deep cycle gel cell batteries and a solar power control unit (PCU).	11,333.67	268.34
34 41 13 00-0150 EA Power Control Unit With Enclosure (A/C) .....	7,274.27	268.34
34 41 13 00-0151 EA Push Button Assembly With Sign.....	647.33	134.17
34 41 13 00-0152 EA Advanced Warning Signs.....	1,270.56	134.17
34 41 13 00-0153 EA 30' High Galvanized Steel Traffic Signal Pole, Tapered, For Up To 55' Mast Arm.....	3,632.96	
34 41 13 00-0154 EA 30' High Galvanized Steel Traffic Signal Pole, Tapered, For >55' Mast Arm .....	4,382.12	
34 41 13 00-0155 EA 30' High Galvanized Steel Traffic Signal Pole, Octafute.....	3,246.19	
34 41 13 00-0156 EA 30' (High Spun Aluminum Traffic Signal Pole, Tapered.....	2,661.18	
34 41 13 00-0157 EA Type 26-6-70 Signal Pole With 55' SMA And 20' LMA.....	14,366.49	
34 41 13 00-0158 EA Type 29-6-70 Signal Pole With 65' SMA And 20' LMA.....	16,586.60	
<b>34 41 13 00-0159 Traffic Signal Cable</b> <small>(34 41 13)</small>		
34 41 13 00-0160 LF 16 AWG, 2-Conductor, Solid, Traffic Signal Cable.....	1.31	0.57
34 41 13 00-0161 LF 16 AWG, 3-Conductor, Solid, Traffic Signal Cable.....	1.45	0.61
34 41 13 00-0162 LF 16 AWG, 4-Conductor, Solid, Traffic Signal Cable.....	1.60	0.66
34 41 13 00-0163 LF 16 AWG, 5-Conductor, Solid, Traffic Signal Cable.....	1.74	0.70
34 41 13 00-0164 LF 16 AWG, 6-Conductor, Solid, Traffic Signal Cable.....	1.91	0.73
34 41 13 00-0165 LF 16 AWG, 8-Conductor, Solid, Traffic Signal Cable.....	2.22	0.82
34 41 13 00-0166 LF 16 AWG, 10-Conductor, Solid, Traffic Signal Cable.....	2.59	0.94
34 41 13 00-0167 LF 16 AWG, 12-Conductor, Solid, Traffic Signal Cable.....	2.97	1.06
34 41 13 00-0168 LF 16 AWG, 16-Conductor, Solid, Traffic Signal Cable.....	3.50	1.18
34 41 13 00-0169 LF 16 AWG, 20-Conductor, Solid, Traffic Signal Cable.....	4.12	1.31
34 41 13 00-0170 LF 14 AWG, 2-Conductor, Solid, Traffic Signal Cable.....	1.35	0.57
34 41 13 00-0171 LF 14 AWG, 3-Conductor, Solid, Traffic Signal Cable.....	1.51	0.61
34 41 13 00-0172 LF 14 AWG, 4-Conductor, Solid, Traffic Signal Cable.....	1.68	0.66
34 41 13 00-0173 LF 14 AWG, 5-Conductor, Solid, Traffic Signal Cable.....	1.83	0.70
34 41 13 00-0174 LF 14 AWG, 6-Conductor, Solid, Traffic Signal Cable.....	2.02	0.73
34 41 13 00-0175 LF 14 AWG, 8-Conductor, Solid, Traffic Signal Cable.....	2.36	0.82
34 41 13 00-0176 LF 14 AWG, 10-Conductor, Solid, Traffic Signal Cable.....	2.77	0.94
34 41 13 00-0177 LF 14 AWG, 12-Conductor, Solid, Traffic Signal Cable.....	3.18	1.06
34 41 13 00-0178 LF 14 AWG, 16-Conductor, Solid, Traffic Signal Cable.....	3.78	1.18
34 41 13 00-0179 LF 14 AWG, 20-Conductor, Solid, Traffic Signal Cable.....	4.50	1.31
34 41 13 00-0180 LF 12 AWG, 2-Conductor, Solid, Traffic Signal Cable.....	1.44	0.57
34 41 13 00-0181 LF 12 AWG, 3-Conductor, Solid, Traffic Signal Cable.....	1.65	0.61
34 41 13 00-0182 LF 12 AWG, 4-Conductor, Solid, Traffic Signal Cable.....	1.86	0.66
34 41 13 00-0183 LF 12 AWG, 5-Conductor, Solid, Traffic Signal Cable.....	2.04	0.70
34 41 13 00-0184 LF 12 AWG, 6-Conductor, Solid, Traffic Signal Cable.....	2.28	0.73
34 41 13 00-0185 LF 12 AWG, 8-Conductor, Solid, Traffic Signal Cable.....	2.70	0.82
34 41 13 00-0186 LF 12 AWG, 10-Conductor, Solid, Traffic Signal Cable.....	3.20	0.94
34 41 13 00-0187 LF 12 AWG, 12-Conductor, Solid, Traffic Signal Cable.....	3.69	1.06
34 41 13 00-0188 LF 12 AWG, 16-Conductor, Solid, Traffic Signal Cable.....	4.46	1.18
34 41 13 00-0189 LF 12 AWG, 20-Conductor, Solid, Traffic Signal Cable.....	5.40	1.31
<b>34 41 13 00-0190 School Zone Flasher Beacons</b> <small>(34 41 13)</small>		
34 41 13 00-0191 EA One 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly..... Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.	3,400.03	123.68
34 41 13 00-0192 EA One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly..... Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.	3,424.26	123.68
34 41 13 00-0193 EA Two 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly..... Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	3,835.71	123.68
34 41 13 00-0194 EA Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly..... Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	3,913.26	123.68
34 41 13 00-0195 EA 10" Digit Radar Display, One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly..... Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 80 Watt tilted solar panel, solar regulator, and solid state flasher.	7,188.57	123.68
34 41 13 00-0196 EA 10" Digit Radar Display, Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly..... Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	7,492.48	123.68
<b>34 41 16 Traffic Control Equipment</b> <small>(34 41)</small>		
<b>34 41 16 00-0001 Transportation Control Equipment</b> <small>(34 41 16)</small>		
34 41 16 00-0002 EA CONTROLLER/SL/BASE MTD.....	6,916.75	365.77
34 41 16 00-0003 EA CONTROLLER, TS, 12-BAY, "M" CABINET.....	12,628.38	629.57
34 41 16 00-0004 EA CONTROLLER, TS, 12-BAY, "P" CABINET.....	13,443.37	697.69
34 41 16 00-0005 EA CONTROLLER, TS, 12-BAY "P" CABINET With FO MASTER .....	19,216.53	784.39
34 41 16 00-0006 EA CONTROLLER, TS, 16-BAY, "P" CABINET .....	15,231.10	743.10
34 41 16 00-0007 EA CONTROLLER, PEDESTRIAN CROSSING, ADD-IN .....	454.47	87.27
34 41 16 00-0008 EA CONCRETE BLOCK PEDESTAL .....	666.51	131.04
34 41 16 00-0009 WK MAINTAIN EXIST TS INSTALLATION .....	203.95	101.97
34 41 16 00-0010 EA PDU Equipped netBooster With IEC320 C13 Outlets (Synaccess NP-0808DUH) .....	593.38	9.56



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				34 41 16 00-0011 EA Remote Power Switched netBooster PDU, 8 Independent Outlets (Synaccess NP-0801DU) .....	337.38	9.56
<b>34 41 23 Roadway Monitoring Equipment (34 41)</b>						
<b>34 41 23 00-0001 Radar Speed Display Signs (34 41 23)</b>						
				34 41 23 00-0002 EA Pole Mounted Radar Speed Sign (RU2 Systems, Inc. Model 250).....	3,261.26	
				Note: 12" Full Matrix (rounded) Characters for quick recognition.		
				34 41 23 00-0003 EA Pole Mounted Radar Speed Sign (RU2 Systems, Inc. Model 350).....	3,834.88	
				Note: 18" Full Matrix (rounded) Characters for quick recognition.		
				34 41 23 00-0004 EA Dolly Mounted Radar Speed Sign (RU2 Systems, Inc. Model 500).....	5,448.64	
				Note: 12" Amber AllnGaP LED display characters.		
				34 41 23 00-0005 EA Trailer Mounted Radar Speed Sign (RU2 Systems, Inc. Model 600).....	6,845.28	
				Note: 12" full graphic characters		
				34 41 23 00-0006 EA Trailer Mounted Radar Speed Sign (RU2 Systems, Inc. Model 750).....	8,595.48	
				Note: 18" Amber AllnGaP LED display characters		
				34 41 23 00-0007 EA Trailer Mounted Radar Speed Sign (RU2 Systems, Inc. Model 800).....	8,995.98	
				Note: 18" Amber AllnGaP LED full graphic display characters, on top. 18" x 24" MUTCD R2-1 speed sign / 5-65 MPH overlays.		
				34 41 23 00-0008 EA Trailer Mounted Radar Speed Sign (RU2 Systems, Inc. Model 950).....	10,895.82	
				Note: 18" Amber AllnGaP LED full graphic display characters. 18" x 24" MUTCD R2-1 speed sign / 5-65 MPH overlays.		
				34 41 23 00-0009 EA Trailer Mounted Radar Speed Sign (RU2 Systems, Inc. Model 1000).....	12,472.90	
				Note: Up to 30" Amber AllnGaP LED digits.		
<b>34 41 33 In Roadway Warning Lights (34 41)</b>						
<b>34 41 33 00-0001 In-Road Warning Light (IRWL) Pedestrian Safety System (34 41 33)</b>						
				34 41 33 00-0002 EA SC320 Controller: NEMA 3R Aluminum Pole Mount Cabinet; Spot Devices, Inc. #SC320036 .....	4,210.05	103.98
				34 41 33 00-0003 EA Spread Spectrum Local Wireless Activation; Spot Devices, Inc. #SC320026 .....	325.59	8.38
				34 41 33 00-0004 EA SC320AA: Passive Activation Bollard Pair, AC SC320 Controller; Spot Devices, Inc. #BA300000-D .....	8,944.43	218.02
				34 41 33 00-0005 EA Whitney RS320 Road Spot: Amber Bidirectional; Spot Devices, Inc. #RS320701-D.....	2,085.91	50.32
				34 41 33 00-0006 EA Polara Bulldog Pushbutton With LED And tone, R62E Sign With RIG; Spot Devices, Inc. #PB101131 .....	363.41	8.38
				34 41 33 00-0007 EA LED Enhanced Sign - 30" W11-2 Crosswalk Sign (Spot Devices, Inc. SL201011) .....	1,716.20	41.93
				Note: Excludes controller.		
				34 41 33 00-0008 EA SB435: RRFB, Gen2, Large, With Single Pedestrian Signal (Spot Devices, Inc. SB110015) .....	1,052.42	25.15
				Note: Includes mounts.		
				34 41 33 00-0009 EA Sign, W11-2 Crosswalk, 30", FYG With Mount; Spot Devices, Inc. #SG101102.....	192.83	5.03
				34 41 33 00-0010 EA Sign, W16-7p Left Down Arrow, 12", FYG With Mount; Spot Devices, Inc. #SG101103.....	66.37	1.67
				34 41 33 00-0011 EA RS300: Interconnect 16/4 Dual Plug Cable, 7 ft; Spot Devices, Inc. #RS301624.....	72.68	1.67
				34 41 33 00-0012 EA RSV3 Installation Kit; Spot Devices, Inc. #RS308977 .....	99.57	2.52
				34 41 33 00-0013 EA RS300: Female-to-Female Interconnect 16/4 Dual Plug Cable, 25'; Spot Devices, Inc. #RS301644.....	172.24	4.19
				34 41 33 00-0014 EA RS300: Interconnect 16/4 Dual Plug Cable, 7' Length; Spot Devices, Inc. #RS301624 .....	72.68	1.67
				34 41 33 00-0015 EA RS300: Lead-in Cable, 12/4 Single Plug, 75' Length; Spot Devices, Inc. #RS301651 .....	252.92	6.71
				34 41 33 00-0016 EA RS300: Lead-in Cable, 12/4 Single Plug, 50' Length; Spot Devices, Inc. #RS301650 .....	211.74	5.03
				34 41 33 00-0017 EA Plug, Dummy Female; Spot Devices, Inc. #RS301603.....	19.91	0.50
				34 41 33 00-0018 EA Liquid Conduit Polymeric Asphalt Formula; Spot Devices, Inc. #RS308931 .....	109.99	
				34 41 33 00-0019 LF Cable, Peripheral, 18/2 SO Burial, Underminated; Spot Devices, Inc. #SC202602 .....	1.33	
				34 41 33 00-0020 LF DC Interconnect Wire. 12/2 SO Burial, Underminated; Spot Devices, Inc. #SC202603 .....	1.66	
<b>34 43 Airfield Signaling And Control Equipment (34 40)</b>						
<b>34 43 13 Airfield Signals and Lighting (34 43)</b>						
<b>34 43 13 09 Airport Rotating Beacons (34 43 13)</b>						
				34 43 13 09-0001 EA Rotating Heliport Beacon, 3 - 500 Watt Quartz Lamps .....	5,112.03	1,341.67
<b>34 43 13 12 Airport Obstruction Lights (34 43 13)</b>						
<b>34 43 13 12-0001 Hazard Beacon Flashing Red, Two Lamps-620 Watts (34 43 13 12)</b>						
				34 43 13 12-0002 EA Hazard Beacon Flashing Red, 2 - 620 Watt With 2 Wire Cable.....	2,323.76	134.17
				34 43 13 12-0003 EA Hazard Beacon Flashing Red, 2 - 620 Watt With 3 Wire Cable.....	2,588.97	134.17
				34 43 13 12-0004 EA Beacon Failure Alarm Relay Assembly.....	593.23	134.17
<b>34 43 13 12-0005 Obstruction Marker Lights (34 43 13 12)</b>						
				34 43 13 12-0006 EA Obstruction Marker Light, 1 - 69 Watt FAA Spec L-810.....	267.31	83.85
				34 43 13 12-0007 EA Obstruction Marker Light, 2 - 69 Watt FAA Spec L-810.....	423.14	100.62
				34 43 13 12-0008 EA Obstruction Marker Light, 1 - 116 Watt Mil Spec M16-6-7830B.....	357.48	83.85
				34 43 13 12-0009 EA Obstruction Marker Light, 2 - 116 Watt Mil Spec M16-6-7830B.....	572.99	100.62
				34 43 13 12-0010 EA Transfer Relay Assembly.....	833.25	134.17
<b>34 43 13 12-0011 Solid State Flashers With Cast Aluminum Housing (34 43 13 12)</b>						
				34 43 13 12-0012 EA Solid State Flashers, 1 Circuit, With Cast Aluminum Housing .....	8,224.80	134.17
				34 43 13 12-0013 EA Solid State Flashers, 2 Circuit Simultaneous Flash, With Cast Aluminum Housing.....	16,248.16	167.71
				34 43 13 12-0014 EA Solid State Flashers, 3 Circuit Simultaneous Flash, With Cast Aluminum Housing.....	24,272.08	201.25
				34 43 13 12-0015 EA Sequential Flasher.....	5,977.74	726.99

**34 Transportation****34 40 Transportation Signaling and Control Equipment****34 43 Airfield Signaling And Control Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**34 43 13 13 Airfield Runway Identification Lights (34 43 13)****34 43 13 13-0001 Taxi Guidance Sign Internally Illuminated, 18" Letters (34 43 13 13)**

34 43 13 13-0002	EA	Taxi Guidance Sign 1 Face, 4' Wide Internally Illuminated, 18" Letter.....	1,666.03	134.17
34 43 13 13-0003	EA	Taxi Guidance Sign 1 Face, 6' Wide Internally Illuminated, 18" Letter.....	2,698.31	167.71
34 43 13 13-0004	EA	Taxi Guidance Sign 1 Face, 8' Wide Internally Illuminated, 18" Letter.....	3,691.36	201.25
34 43 13 13-0005	EA	Taxi Guidance Sign 1 Face, 10' Wide Internally Illuminated, 18" Letter.....	4,586.51	201.25
34 43 13 13-0006	EA	Taxi Guidance Sign 2 Face, 4' Wide Internally Illuminated, 18" Letter.....	1,932.98	201.25
34 43 13 13-0007	EA	Taxi Guidance Sign 2 Face, 6' Wide Internally Illuminated, 18" Letter.....	3,097.45	234.79
34 43 13 13-0008	EA	Taxi Guidance Sign 2 Face, 8' Wide Internally Illuminated, 18" Letter.....	4,223.16	268.34
34 43 13 13-0009	EA	Taxi Guidance Sign 2 Face, 10' Wide Internally Illuminated, 18" Letter.....	5,250.68	335.42

**34 43 13 13-0010 Taxi Guidance Sign Internally Illuminated, 12" And 15" Letters (34 43 13 13)**

34 43 13 13-0011	EA	Taxi Guidance Sign 1 Face, 2 1/2' Wide Internally Illuminated, 12 - 15" Letters.....	1,429.98	134.17
34 43 13 13-0012	EA	Taxi Guidance Sign 1 Face, 4' Wide Internally Illuminated, 12 - 15" Letters.....	2,199.11	134.17
34 43 13 13-0013	EA	Taxi Guidance Sign 1 Face, 6' Wide Internally Illuminated, 12 - 15" Letters.....	3,094.81	167.71
34 43 13 13-0014	EA	Taxi Guidance Sign 1 Face, 8' Wide Internally Illuminated, 12 - 15" Letters.....	3,895.58	201.25
34 43 13 13-0015	EA	Taxi Guidance Sign 2 Face, 2 1/2' Wide Internally Illuminated, 12 - 15" Letters.....	1,602.97	167.71
34 43 13 13-0016	EA	Taxi Guidance Sign 2 Face, 4' Wide Internally Illuminated, 12 - 15" Letters.....	2,478.18	167.71
34 43 13 13-0017	EA	Taxi Guidance Sign 2 Face, 6' Wide Internally Illuminated, 12 - 15" Letters.....	3,480.51	201.25
34 43 13 13-0018	EA	Taxi Guidance Sign 2 Face, 8' Wide Internally Illuminated, 12 - 15" Letters.....	5,473.78	234.79

**34 43 13 13-0019 Taxi Guidance Sign Unlighted, 18" Letters (34 43 13 13)**

34 43 13 13-0020	EA	Taxi Guidance Sign 1 Face, 4' Wide Unlighted, 18" Letters.....	1,167.71	83.85
34 43 13 13-0021	EA	Taxi Guidance Sign 1 Face, 6' Wide Unlighted, 18" Letters.....	2,133.10	83.85
34 43 13 13-0022	EA	Taxi Guidance Sign 1 Face, 8' Wide Unlighted, 18" Letters.....	3,092.54	100.62
34 43 13 13-0023	EA	Taxi Guidance Sign 1 Face, 10' Wide Unlighted, 18" Letters.....	3,853.71	100.62
34 43 13 13-0024	EA	Taxi Guidance Sign 2 Face, 4' Wide Unlighted, 18" Letters.....	1,334.16	100.62
34 43 13 13-0025	EA	Taxi Guidance Sign 2 Face, 6' Wide Unlighted, 18" Letters.....	2,432.15	100.62
34 43 13 13-0026	EA	Taxi Guidance Sign 2 Face, 8' Wide Unlighted, 18" Letters.....	3,480.10	134.17
34 43 13 13-0027	EA	Taxi Guidance Sign 2 Face, 10' Wide Unlighted, 18" Letters.....	3,505.29	134.17

**34 43 13 13-0028 Distance Marker Sign, Internally Illuminated (34 43 13 13)**

34 43 13 13-0029	EA	Distance Marker Sign, 48" x 48".....	2,244.19	134.17
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**34 43 13 13-0030 Options And Accessories (34 43 13 13)**

34 43 13 13-0031	EA	100 Watt Transformer Guidance Signs Accessories.....	210.45	33.54
34 43 13 13-0032	EA	Connection Kit For 1 Conduit Cable Guidance Signs Accessories.....	115.43	50.32
34 43 13 13-0033	EA	Base Housing, 12" Diameter Guidance Signs Accessories.....	280.33	67.08

**34 43 13 13-0034 Tools (34 43 13 13)**

34 43 13 13-0035	EA	Impact Nut Driver Guidance Signs Accessories.....	257.26	
34 43 13 13-0036	EA	Leveling Tool Guidance Signs Accessories.....	129.96	
34 43 13 13-0037	EA	Contact Straightener Guidance Signs Accessories.....	57.02	
34 43 13 13-0038	EA	Installation Fixture Guidance Signs Accessories.....	265.22	
34 43 13 13-0039	EA	Drill Jig Guidance Signs Accessories.....	318.26	
34 43 13 13-0040	EA	Installation And Align Tool Guidance Signs Accessories.....	161.78	
34 43 13 13-0041	EA	Prism Setting Fixture Guidance Signs Accessories.....	226.97	
34 43 13 13-0042	EA	Pressure Test Fitting Guidance Signs Accessories.....	59.49	
34 43 13 13-0043	EA	Lifting Handles Guidance Signs Accessories.....	33.15	
34 43 13 13-0044	EA	Leveling Tool Guidance Signs Accessories.....	129.96	
34 43 13 13-0045	EA	Flector Alignment Tool Guidance Signs Accessories.....	106.10	
34 43 13 13-0046	EA	Lamp Extractor Guidance Signs Accessories.....	17.24	
34 43 13 13-0047	EA	Cable Stripper/Penciller Guidance Signs Accessories.....	172.50	

**34 43 13 13-0048 Taxiway Marker Tubular Reflectors Post (34 43 13 13)**

Note: With reflective strips on contract background.

34 43 13 13-0049	EA	Taxiway Marker Reflector Post 18" With Reflector Strips On Contract Background.....	99.06	33.54
34 43 13 13-0050	EA	Taxiway Marker Reflector Post 24" With Reflector Strips On Contract Background.....	104.36	33.54
34 43 13 13-0051	EA	Taxiway Marker Reflector Post 30" With Reflector Strips On Contract Background.....	112.32	33.54
34 43 13 13-0052	EA	Taxiway Marker Reflector Post 36" With Reflector Strips On Contract Background.....	117.62	33.54

**34 43 13 16 Airfield Runway And Taxiway Inset Lighting (34 43 13)****34 43 13 16-0001 Runway Centerline, Bi-Directional (34 43 13 16)**

34 43 13 16-0002	EA	Runway Centerline Light, Bi-Directional 200 Watt S-Flush With Shallow Insert Base.....	1,612.88	100.62
34 43 13 16-0003	EA	Runway Centerline Light, Bi-Directional 200 Watt S-Flush For Mounted In Base Housing.....	935.15	67.08
34 43 13 16-0004	EA	Runway Centerline Light, Bi-Directional 200 Watt Flush, Shallow With Shallow Insert Base.....	747.57	101.29
34 43 13 16-0005	EA	Runway Centerline Light, Bi-Directional 200 Watt Flush For Mounted In Base Housing.....	787.55	67.08
34 43 13 16-0006	EA	Runway Centerline Light, Bi-Directional 45 Watt Flush For Mounted In Base Housing.....	849.22	67.08



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>34 43 13 16-0007</b> <b>Touchdown Zone, Semi-Flush</b> <small>(34 43 13 16)</small>		
34 43 13 16-0008    EA    Touchdown Zone, 200 W Unidirectional With Shallow Insert Base .....	1,741.93	101.29
34 43 13 16-0009    EA    Touchdown Zone, 115 W Unidirectional With Shallow Insert Base .....	1,755.19	101.29
34 43 13 16-0010    EA    Touchdown Zone, 62 W Bi-Directional With Shallow Insert Base .....	1,755.19	101.29
34 43 13 16-0011    EA    Touchdown Zone, 200 Watt Unidirectional For Mounted In Base Housing.....	929.44	67.08
34 43 13 16-0012    EA    Touchdown Zone, 115 Watt Unidirectional For Mounted In Base Housing.....	942.70	67.08
34 43 13 16-0013    EA    Touchdown Zone, 62 Watt Bi-Directional For Mounted In Base Housing .....	942.70	67.08
<b>34 43 13 16-0014</b> <b>Runway Edge And Threshold, Bi-Directional</b> <small>(34 43 13 16)</small>		
Note: For mounting-in base housing.		
34 43 13 16-0015    EA    Runway Edge And Threshold, Bi-directional 200 Watt For Mounted In Base Housing.....	1,098.46	134.17
34 43 13 16-0016    EA    Runway Edge And Threshold, Bi-directional 300 Watt For Mounted In Base Housing.....	1,166.76	134.17
34 43 13 16-0017    EA    Runway Edge And Threshold, Bi-directional 500 Watt For Mounted In Base Housing.....	1,347.70	167.71
<b>34 43 13 16-0018</b> <b>Threshold And Approach, Unidirectional</b> <small>(34 43 13 16)</small>		
Note: For mounting-in base housing.		
34 43 13 16-0019    EA    Threshold And Approach, Unidirectional 200 Watt For Mounted In Base Housing.....	979.78	134.17
34 43 13 16-0020    EA    Threshold And Approach, Unidirectional 500 Watt For Mounted In Base Housing.....	1,229.02	167.71
<b>34 43 13 16-0021</b> <b>Runway Edge, Bi-Directional</b> <small>(34 43 13 16)</small>		
Note: For mounting-in base housing.		
34 43 13 16-0022    EA    Runway Edge, Bi-directional 2 - 115 Watt For Mounted In Base Housing.....	1,003.97	100.62
34 43 13 16-0023    EA    Runway Edge, Bi-directional 2 - 185 Watt For Mounted In Base Housing.....	1,110.05	100.62
<b>34 43 13 16-0024</b> <b>Runway Threshold And End, Bi-Directional</b> <small>(34 43 13 16)</small>		
Note: For mounting-in base housing.		
34 43 13 16-0025    EA    Runway Threshold And End, Bi-directional 2 - 115 Watt For Mounted In Base Housing.....	420.49	100.62
34 43 13 16-0026    EA    Runway Threshold And End, Bi-directional 2 - 185 Watt For Mounted In Base Housing.....	447.01	100.62
<b>34 43 13 16-0027</b> <b>Approach Threshold, Unidirectional</b> <small>(34 43 13 16)</small>		
Note: For mounting-in base housing.		
34 43 13 16-0028    EA    Approach Threshold, Unidirectional 185 Watt For Mounted In Base Housing .....	877.33	100.62
<b>34 43 13 16-0029</b> <b>Omnidirectional Taxiway</b> <small>(34 43 13 16)</small>		
34 43 13 16-0030    EA    Taxiway, Omnidirectional 115 Watt, Type E, For Mounted In Base Housing.....	753.34	100.62
34 43 13 16-0031    EA    Taxiway, Omnidirectional 115 Watt, Type E, With Shallow Insert Base .....	507.09	67.08
34 43 13 16-0032    EA    Taxiway, Omnidirectional 45 Watt, Type Q, With Shallow Insert Base .....	753.34	100.62
34 43 13 16-0033    EA    Taxiway, Omnidirectional 115 Watt, Type Q, With Shallow Insert Base .....	753.34	100.62
34 43 13 16-0034    EA    Taxiway, Omnidirectional 45 Watt, Type Q For Mounted In Base Housing .....	507.09	67.08
34 43 13 16-0035    EA    Taxiway, Omnidirectional 115 Watt, Type Q, For Mounted In Base Housing .....	507.09	67.08
34 43 13 16-0036    EA    Taxiway, Omnidirectional 45 Watt, Flush For Mounted In Base Housing .....	507.09	67.08
34 43 13 16-0037    EA    Taxiway, Omnidirectional 115 Watt, Flush For Mounted In Base Housing .....	507.09	67.08
<b>34 43 13 16-0038</b> <b>Airfield Optional Accessories</b> <small>(34 43 13 16)</small>		
34 43 13 16-0039    EA    30/45 Watt Transformer, Airfield Optional Accessories .....	170.66	33.54
34 43 13 16-0040    EA    65 Watt Transformer, Airfield Optional Accessories .....	190.56	33.54
34 43 13 16-0041    EA    100 Watt Transformer, Airfield Optional Accessories .....	210.45	33.54
34 43 13 16-0042    EA    200 Watt Transformer, Airfield Optional Accessories .....	217.57	33.54
34 43 13 16-0043    EA    300 Watt Transformer, Airfield Optional Accessories .....	267.53	50.32
34 43 13 16-0044    EA    500 Watt Transformer, Airfield Optional Accessories .....	295.77	50.32
34 43 13 16-0045    EA    12" Diameter Base Housing, Non-Load Bearing, Airfield Optional Accessories .....	326.74	67.08
34 43 13 16-0046    EA    15" Diameter Base Housing, Non-Load Bearing, Airfield Optional Accessories .....	386.41	67.08
34 43 13 16-0047    EA    Connection Kit For Conduit Cable, Airfield Optional Accessories .....	115.43	50.32
34 43 13 16-0048    EA    10" Diameter Base Housing, Non-Load Bearing, Airfield Optional Accessories .....	281.65	67.08
34 43 13 16-0049    EA    Frangible Coupling (Complete), Airfield Optional Accessories.....	89.02	3.96
34 43 13 16-0050    EA    Precast Concrete Base, Airfield Optional Accessories .....	668.07	54.34
<b>34 43 13 16-0051</b> <b>High Intensity Runway / Quartz</b> <small>(34 43 13 16)</small>		
34 43 13 16-0052    EA    High Intensity Quartz 115 Watt Runway Marker .....	399.91	83.85
34 43 13 16-0053    EA    High Intensity Quartz 175 Watt Runway Marker .....	413.17	83.85
34 43 13 16-0054    EA    High Intensity Quartz 115 Watt Threshold Marker .....	413.17	83.85
34 43 13 16-0055    EA    Edge Light 200 Watt With Base And Transformer .....	701.72	105.53
<b>34 43 13 16-0056</b> <b>Elevated Runway/Quartz</b> <small>(34 43 13 16)</small>		
34 43 13 16-0057    EA    Elevated Runway, Quartz, 45 Watt Runway .....	279.24	83.85
34 43 13 16-0058    EA    Elevated Runway, Quartz, 115 Watt Threshold .....	426.44	83.85
34 43 13 16-0059    EA    Elevated Runway, Quartz, 30 Watt Taxiway .....	281.89	83.85
34 43 13 16-0060    EA    Elevated Runway, Quartz, 200 Watt Fixed With Transformer And Base .....	701.72	105.53



**34 Transportation****34 40 Transportation Signaling and Control Equipment****34 43 Airfield Signaling And Control Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>34 43 13 16-0061</b> Elevated Threshold/Quartz <small>(34 43 13 16)</small>		
34 43 13 16-0062 EA Elevated Threshold, Quartz, 115 Watt Threshold Marker.....	426.44	83.85
34 43 13 16-0063 EA Elevated Threshold, Quartz, 175 Watt Threshold Marker.....	439.70	83.85
<b>34 43 13 23</b> <b>Airfield Short-Approach Lighting Equipment</b> <small>(34 43 13)</small>		
<b>34 43 13 23-0001</b> Land And Hold Short (LAHSO) Light System <small>(34 43 13 23)</small>		
34 43 13 23-0002 EA Land And Hold Short (LAHSO) Lighting System, Five (5) Unidirectional Inpavement Light Fixtures (FAA L850A), Power Control And Monitoring Unit And Tower Control Panel.....	12,688.56	
<b>34 43 13 26</b> <b>Airfield Omni-Directional-Approach Lighting Equipment</b> <small>(34 43 13)</small>		
<b>34 43 13 26-0001</b> Elevated Approach <small>(34 43 13 26)</small>		
34 43 13 26-0002 EA Approach And Navigational Light 200 Watt - Heavy Duty Assembly Only Elevated Approach.....	302.87	67.08
34 43 13 26-0003 EA Approach And Navigational Light 300 Watt - Heavy Duty Assembly Only Elevated Approach.....	302.87	67.08
34 43 13 26-0004 EA Approach And Navigational Light 500 Watt - Heavy Duty Assembly Only Elevated Approach.....	302.87	67.08
34 43 13 26-0005 EA Approach And Navigational Light 200 Watt - With Filter Bracket Elevated Approach.....	327.00	73.79
34 43 13 26-0006 EA Approach And Navigational Light 300 Watt - With Filter Bracket Elevated Approach.....	327.00	73.79
34 43 13 26-0007 EA Approach And Navigational Light 500 Watt - With Filter Bracket Elevated Approach.....	327.00	73.79
<b>34 43 13 29</b> <b>Airfield Low-Intensity-Approach Lighting Equipment</b> <small>(34 43 13)</small>		
<b>34 43 13 29-0001</b> Rotating Beacon <small>(34 43 13 29)</small>		
34 43 13 29-0002 EA Rotating Airport Beacon, 12 RPM, 400 Watt Metal Halide 1 Beam Clear, 400 Watt Metal Halide 1 Beam Green.....	17,793.11	1,603.30
34 43 13 29-0003 EA Rotating Beam Single Drum, 12 RPM Clear Beam, 500 Watt Quartz.....	39,241.27	1,341.67
34 43 13 29-0004 EA Rotating Beam, Double Drum, 6 RPM Clear And Green Beams, 1,000 Watt Quartz.....	42,605.12	1,475.84
34 43 13 29-0005 EA Beacon Tower, Tubular Type, 51'.....	14,249.07	825.67
34 43 13 29-0006 EA Weatherproof Panelboard, 4 - 15 Amp Breakers.....	2,245.94	201.25
<b>34 43 13 29-0007</b> Runway Approach Lights, Semi-Flush Unidirectional <small>(34 43 13 29)</small>		
34 43 13 29-0008 EA Runway Approach Light, Unidirectional, S-Flash, 115 Watt With Shallow Insert Base.....	1,245.31	100.62
34 43 13 29-0009 EA Runway Approach Light, Unidirectional, S-Flash, 200 Watt With Shallow Insert Base.....	1,258.57	100.62
34 43 13 29-0010 EA Runway Approach Light, Unidirectional, TD Zone, 115 Watt S-Flash, For Mounted In Base Housing.....	473.94	67.08
34 43 13 29-0011 EA Runway Approach Light, Unidirectional, TD Zone, 200 Watt S-Flash, For Mounted In Base Housing.....	497.81	67.08
<b>34 43 13 33</b> <b>Airfield High-Intensity-Approach Lighting Equipment</b> <small>(34 43 13)</small>		
<b>34 43 13 33-0001</b> High Intensity Approach/ Threshold Light, Semi-Flush <small>(34 43 13 33)</small>		
Note: Unidirectional.		
34 43 13 33-0002 EA High Intensity Approach Light, 500 Watt Quartz, Clear Semi-Flush, Unidirectional.....	1,802.26	100.62
34 43 13 33-0003 EA High Intensity Threshold Light, Clear 500 Watt Quartz, Semi-Flush, Unidirectional.....	1,958.74	100.62
34 43 13 33-0004 EA High Intensity Approach Light, 500 Watt Quartz, Red Semi-Flush, Unidirectional.....	1,771.10	100.62
34 43 13 33-0005 EA High Intensity Threshold/End Light, Green/Red Semi-Flush, Unidirectional.....	2,064.83	100.62
<b>34 43 13 36</b> <b>Airfield Precision-Approach Path Indicator Equipment</b> <small>(34 43 13)</small>		
<b>34 43 13 36-0001</b> Precision Approach Path Indicator <small>(34 43 13 36)</small>		
34 43 13 36-0002 EA Approach And Navigational Light Precision Approach Path Indicator - 4 System, 4 Units, 3 Projectors Per Unit.....	12,278.50	536.67
34 43 13 36-0003 EA Approach And Navigational Light Series Power Kit (3 x 200), Precision Approach Path Indicator.....	1,475.07	134.17
34 43 13 36-0004 EA Approach And Navigational Light Clinometer Precision Approach Path Indicator.....	1,241.68	134.17
34 43 13 36-0005 EA Approach And Navigational Light Optical Bench Precision Approach Path Indicator.....	2,789.63	201.25
34 43 13 36-0006 EA Approach And Navigational Light Radio Receiver, Air-Ground Precision Approach Path Indicator.....	1,919.31	134.17
34 43 13 36-0007 EA Approach And Navigational Light Radio Receiver, Interface Unidirectional Precision Approach Path Indicator.....	618.42	134.17
<b>34 43 13 41</b> <b>Heliport Lighting</b> <small>(34 43 13)</small>		
34 43 13 41-0001 EA Heliport Perimeter Light, 40 Watt With Base Housing.....	301.15	100.62
34 43 13 41-0002 EA Heliport Landing Direction Light, 40 Watt With Base Housing.....	301.15	100.62
34 43 13 41-0003 EA Heliport Pad Insert Light, 40 Watt With Base Housing.....	778.53	100.62
34 43 13 41-0004 EA Heliport 10' Steel Pole, With 2 - 500 Watt Floodlights.....	2,919.63	268.34
34 43 13 41-0005 EA Heliport 1 Obstruction Light, 69 Watt.....	287.20	83.85
34 43 13 41-0006 EA Heliport 2 Obstruction Light, 2 - 69 Watt.....	367.45	100.62
34 43 13 41-0007 EA Lighted Wind Cone, 8' Wind Sock x 20' Standard 4 Deep Bowl - 150 Watt Fixture Reflector Fixtures, 1 - 69 Watt Obstruction Light.....	3,696.57	1,032.09
34 43 13 41-0008 EA Heliport Light Photoelectric Control.....	365.20	67.08
34 43 13 41-0009 EA Heliport Air To Ground Radio Control Receiver.....	1,577.18	134.17
<b>34 43 23</b> <b>Weather Observation Equipment</b> <small>(34 43)</small>		
<b>34 43 23 16</b> <b>Airfield Wind Cones</b> <small>(34 43 23)</small>		
<b>34 43 23 16-0001</b> Wind Cone, 12 Foot Long, Illuminated With 16' Hinged Pole <small>(34 43 23 16)</small>		
34 43 23 16-0002 EA Wind Cone, 12' Lighted Assembly, With Light Rigid With Obstruction Light.....	3,242.41	805.01
34 43 23 16-0003 EA Wind Cone, 12' Lighted Assembly Rigid.....	2,975.63	737.92



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 43 23 16-0004 EA Wind Cone, 12' Unlighted Assembly, With Light Rigid With Obstruction Light.....	2,757.92	670.84
34 43 23 16-0005 EA Wind Cone, 12' Unlighted Assembly Rigid.....	2,573.36	603.75
34 43 23 16-0006 EA Wind Cone Slip Fitter, 2.5" Pipe.....	197.42	50.32
34 43 23 16-0007 EA 12' x 3' Wind Cone Cotton Sock.....	583.40	167.71
34 43 23 16-0008 EA 12' x 3' Wind Cone Nylon Sock.....	596.66	167.71
34 43 23 16-0009 EA Booster Transformer, 1 KW Weatherproof Cabinet.....	831.14	100.62
<b>34 43 23 16-0010 Wind Cone, 8 Foot Long, Illuminated With 8' Hinged Pole (34 43 23 16)</b>		
34 43 23 16-0011 EA Wind Cone, 8' Lighted Assembly Frangible.....	2,707.29	603.75
34 43 23 16-0012 EA Wind Cone, 8' Unlighted Assembly Frangible.....	2,356.98	536.67
34 43 23 16-0013 EA Wind Cone, 8' Lighted Assembly With Light Frangible With Obstruction Light.....	2,707.53	670.84
34 43 23 16-0014 EA Wind Cone, 8' Lighted Assembly Rigid.....	2,278.97	603.75
34 43 23 16-0015 EA Wind Cone, 8' Unlighted Assembly Rigid.....	2,041.38	536.67
34 43 23 16-0016 EA Wind Cone, 8' Unlighted Assembly, With Light Rigid With Obstruction Light.....	2,241.84	603.75
34 43 23 16-0017 EA 8' x 1-1/2' Wind Cone Nylon Sock.....	526.38	167.71
<b>34 43 26 Airfield Control Equipment (34 43)</b>		
<b>34 43 26 13 Airfield Lighting Control Equipment (34 43 26)</b>		
<b>34 43 26 13-0001 Power Cable Assemblies (34 43 26 13)</b>		
34 43 26 13-0002 EA Approach And Navigational Light Upper Cable Assembly Power Cable Assemblies.....	128.69	50.32
34 43 26 13-0003 EA Approach And Navigational Light Lower Cable Assembly Power Cable Assemblies.....	128.69	50.32
34 43 26 13-0004 EA Approach And Navigational Light Cable Clamp Power Cable Assemblies.....	50.81	16.77
<b>34 43 26 13-0005 Power Distribution And Control Equipment (34 43 26 13)</b>		
<b>34 43 26 13-0006 Control Panel (34 43 26 13-0005)</b>		
34 43 26 13-0007 EA Control Panel, Series Circuit Monitor 6.6 Amp, 48 Volt DC Current.....	5,312.69	402.50
34 43 26 13-0008 EA Key Selector Switch.....	71.02	21.80
<b>34 43 26 13-0009 Series/Isolation Transformers (34 43 26 13-0005)</b>		
34 43 26 13-0010 EA Series / Isolation Transformers 30/45 Watt - FAA.....	170.66	33.54
34 43 26 13-0011 EA Series / Isolation Transformers 65 Watt - FAA.....	190.56	33.54
34 43 26 13-0012 EA Series / Isolation Transformers 100 Watt - FAA.....	210.45	33.54
34 43 26 13-0013 EA Series / Isolation Transformers 300 Watt - FAA.....	286.49	50.32
34 43 26 13-0014 EA Series / Isolation Transformers 500 Watt - FAA.....	298.43	50.32
34 43 26 13-0015 EA Series / Isolation Transformers 30/45 Watt - MIL.....	219.07	33.54
34 43 26 13-0016 EA Series / Isolation Transformers 200 Watt - MIL.....	256.20	33.54
34 43 26 13-0017 EA Series / Isolation Transformers 300 Watt - MIL.....	346.83	50.32
34 43 26 13-0018 EA Series / Isolation Transformers 500 Watt - MIL.....	390.59	50.32
<b>34 43 26 13-0019 Auxiliary Pilot Relay Cabinet (34 43 26 13-0005)</b>		
34 43 26 13-0020 EA Relay Cabinet, 20 Circuit, 120 Volt, 50/60 Hertz Auxiliary Pilot Relay Cabinet.....	2,634.52	268.34
34 43 26 13-0021 EA Relay Cabinet, 20 Circuit, 120 Volt, 50 Hertz Auxiliary Pilot Relay Cabinet.....	2,634.52	268.34
34 43 26 13-0022 EA Relay Cabinet, 20 Circuit, 120 Volt, 60 Hertz Auxiliary Pilot Relay Cabinet.....	3,085.20	335.42
34 43 26 13-0023 EA Master Timer Cabinet.....	10,939.78	726.99
<b>34 43 26 13-0024 Radio Control (34 43 26 13-0005)</b>		
34 43 26 13-0025 EA Radio Control Receiver Controller.....	5,620.70	2,153.39
<b>34 43 26 13-0026 Constant Current Regulator (34 43 26 13-0005)</b>		
34 43 26 13-0027 EA Constant Current Regulator, 10 KW - Wet Type Power Distribution And Control Equipment.....	8,230.06	402.50
34 43 26 13-0028 EA Constant Current Regulator, 20 KW - Wet Type Power Distribution And Control Equipment.....	14,203.48	603.75
34 43 26 13-0029 EA Constant Current Regulator, 50 KW - Wet Type Power Distribution And Control Equipment.....	21,696.41	1,006.26
34 43 26 13-0030 EA Constant Current Regulator, 4 KW - Dry Type Power Distribution And Control Equipment.....	3,187.45	201.25
34 43 26 13-0031 EA Constant Current Regulator, 7.5 KW - Dry Type Power Distribution And Control Equipment.....	4,647.51	268.34
34 43 26 13-0032 EA Constant Current Regulator, 10 KW - Dry Type Power Distribution And Control Equipment.....	5,975.73	402.50
<b>34 43 26 13-0033 Lamp Failure Detector (34 43 26 13-0005)</b>		
34 43 26 13-0034 EA Lamp Failure Detector, 120/240 Volt, 1 - 6.6 Amp And 3 - 20 Amp Circuit Monitoring.....	7,131.14	268.34
<b>34 43 26 13-0035 Accessories (34 43 26 13-0005)</b>		
34 43 26 13-0036 EA Plug Cutout Power Distribution And Control Equipment Accessory.....	765.62	134.17
34 43 26 13-0037 EA Primary Connector Kit Power Distribution And Control Equipment Accessory.....	149.05	67.08
34 43 26 13-0038 EA Secondary Connector Kit Power Distribution And Control Equipment Accessory.....	158.33	67.08
34 43 26 13-0039 EA Heat Shrink Kit Power Distribution And Control Equipment Accessory.....	209.65	100.62
<b>34 43 26 13-0040 Runway Lighting Cable (34 43 26 13-0005)</b>		
34 43 26 13-0041 LF Electric Type "C" Cable.....	6.21	0.67

**34 Transportation****34 40 Transportation Signaling and Control Equipment****34 43 Airfield Signaling And Control Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>34 43 26 13-0042 Terminal Blocks</b> (34 43 26 13-0005)		
34 43 26 13-0043 EA Terminal Blocks .....	77.22	7.24
<b>34 43 26 13-0044 Tower Lighting Controllers</b> (34 43 26 13)		
34 43 26 13-0045 EA Tower Light Controllers 0-150' Tower Cabinets Only.....	2,311.71	536.67
34 43 26 13-0046 EA Light Controllers 150-450' Tower Cabinets Only.....	4,008.60	603.75
34 43 26 13-0047 EA One Obstruction Light Alarm.....	1,498.08	268.34
34 43 26 13-0048 EA 2 Obstruction Lights And 1 Beacon Alarm, Flasher Fail Safe .....	3,071.62	402.50
34 43 26 13-0049 EA Alarm Test Switch For 2 Lights Obstruction.....	2,804.26	268.34
<b>34 43 26 13-0050 Junction Boxes And Tower Accessories</b> (34 43 26 13)		
34 43 26 13-0051 EA Size 1 Junction Box, With 4 Hubs, 4" Diameter x 2" Deep.....	216.68	67.08
34 43 26 13-0052 EA Size 2 Junction Box, With 2 Or 4 Hubs, 8" x 4" x 2.5".....	358.81	83.85
34 43 26 13-0053 EA Size 3 Junction Box, With 4 Hubs 8 1/2" x 11 5/8" x 3 5/8".....	569.01	100.62
34 43 26 13-0054 EA Size 4 Junction Box, With 4 Hubs, 18" x 12" x 6".....	785.51	134.17
34 43 26 13-0055 EA Junction Box Breather, Screened 1" Nipple With Threaded 90 Degree Elbow .....	154.35	67.08
34 43 26 13-0056 EA Junction Box Drain, Screened 1" Nipple.....	154.35	67.08
34 43 26 13-0057 EA Wraplock Tape, Galvanized Steel 100' Roll.....	843.85	402.50
34 43 26 13-0058 EA Telephone Jack Assembly In Field Box With 1/2" Hub.....	371.10	67.08
34 43 26 13-0059 EA Elevated Approach Bar.....	6,978.17	2,315.66
<b>34 43 26 13-0060 Lighting Kits For Towers</b> (34 43 26 13)		
Note: Includes fixtures, junction boxes, controllers, accessories, less wire and conduit.		
34 43 26 13-0061 EA Lighting Kits For Up To 100' Tower.....	5,676.09	2,129.42
34 43 26 13-0062 EA Lighting Kits For From 101'-150' Tower .....	10,627.87	2,661.77
34 43 26 13-0063 EA Lighting Kits For From 151'-200' Tower .....	13,226.26	3,992.67
34 43 26 13-0064 EA Lighting Kits For From 201'-300' Tower .....	17,309.74	5,989.00
34 43 26 13-0065 EA Lighting Kits For From 301'-450' Tower .....	30,180.51	9,848.57
<b>34 43 26 13-0066 Junction Boxes And Tower Accessories</b> (34 43 26 13)		
34 43 26 13-0067 EA Termination Bar Complete.....	4,088.10	726.99
<b>34 43 33 Airfield Lighting Test</b> (34 43)		
<b>34 43 33 00-0001 Photometric Testing Of Airfield Lighting Fixtures</b> (34 43 33)		
34 43 33 00-0002 EA Mobilization Cost for Photometric Testing Of Airfield Lighting Fixtures Signs And Testing Of CCRs.....	7,044.26	
34 43 33 00-0003 EA Up To 100 Lighting Fixtures Photometric Testing .....	70.08	
Note: Includes data base preparation and photometric analysis report.		
34 43 33 00-0004 EA >100 To 500 Lighting Fixtures Photometric Testing.....	50.27	
Note: Includes data base preparation and photometric analysis report.		
34 43 33 00-0005 EA >500 To 750 Lighting Fixtures Photometric Testing.....	40.36	
Note: Includes data base preparation and photometric analysis report.		
34 43 33 00-0006 EA >750 To 1,000 Lighting Fixtures Photometric Testing.....	30.09	
Note: Includes data base preparation and photometric analysis report.		
34 43 33 00-0007 EA >1,000 Lighting Fixtures Photometric Testing.....	25.31	
Note: Includes data base preparation and photometric analysis report.		
34 43 33 00-0008 EA Up To 100 Lighting Fixtures Photometric Testing Of Previously Tested Fixtures .....	52.46	
Note: Excludes data base preparation.		
34 43 33 00-0009 EA >100 To 500 Lighting Fixtures Photometric Testing Of Previously Tested Fixtures.....	37.49	
Note: Excludes data base preparation.		
34 43 33 00-0010 EA >500 To 750 Lighting Fixtures Photometric Testing Of Previously Tested Fixtures.....	30.09	
Note: Excludes data base preparation.		
34 43 33 00-0011 EA >750 To 1,000 Lighting Fixtures Photometric Testing Of Previously Tested Fixtures.....	22.57	
Note: Excludes data base preparation.		
34 43 33 00-0012 EA >1,000 Lighting Fixtures Photometric Testing Of Previously Tested Fixtures.....	20.05	
Note: Excludes data base preparation.		
<b>34 43 33 00-0013 Constant Current Regulator Testing</b> (34 43 33)		
34 43 33 00-0014 EA Mobilization Cost for Constant Current Regulator Testing.....	4,476.03	
34 43 33 00-0015 EA Constant Current Regulator Testing.....	365.19	
Note: Includes analysis and report.		

**34 70 Transportation Construction And Equipment** (34)**34 71 Roadway Construction** (34 70)**34 71 13 Vehicle Barriers** (34 71)**34 71 13 13 Vehicle Median Barriers** (34 71 13)**34 71 13 13-0001 Concrete Median Barrier** (34 71 13 13)

34 71 13 13-0002 LF Median Barrier, Precast, 42" High Single Face.....	68.09	1.88
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 13-0003 LF Median Barrier, Precast, 32" High, 2' Wide Base, Double Face .....	89.68	1.88
34 71 13 13-0004 LF Median Barrier, Precast, 42" High, 2' Wide Base, Double Face .....	112.08	1.88
34 71 13 13-0005 LF Median Barrier, Cast In Place With Steel Forms.....	35.79	2.28
34 71 13 13-0006 LF Median Barrier, Slipformed Concrete.....	34.59	1.61
<b>34 71 13 13-0007 Glare Screen</b> <small>(34 71 13 13)</small>		
<small>Note: Includes fasteners to mount on median barrier.</small>		
34 71 13 13-0008 LF Glare Screen.....	57.94	3.02
<b>34 71 13 16 Vehicle Crash Barriers</b> <small>(34 71 13)</small>		
<b>34 71 13 16-0001 Impact Barrier, Non-Redirective</b> <small>(34 71 13 16)</small>		
<b>34 71 13 16-0002 Sand Barrel Impact Attenuator</b> <small>(34 71 13 16-0001)</small>		
<small>Note: Includes containers, inserts, and lid. Excludes sand.</small>		
34 71 13 16-0003 EA 200, 400 Or 700 LB Sand Barrel.....	510.20	22.46
<small>Note: Includes containers, inserts, and lid.</small>		
<b>34 71 13 19 Vehicle Traffic Barriers</b> <small>(34 71 13)</small>		
<b>34 71 13 19-0001 Vehicle Barricade Components</b> <small>(34 71 13 19)</small>		
<small>Note: Delta Scientific Basic System or equal. Excludes sitework excavation, backfill, aggregate, concrete, or rebar as necessary for foundations.</small>		
34 71 13 19-0002 EA Hydraulic Operation Barrier Gate (Delta Scientific BB10M) .....	15,297.51	
34 71 13 19-0003 EA High Security Cable Crash Beam Barrier (Delta Scientific BB10MS) .....	37,209.41	
34 71 13 19-0004 EA Quick Deployment Crash Barrier (Delta Scientific DSC1100) .....	80,190.95	
34 71 13 19-0005 EA Shallow Mount Barricade System (Delta Scientific DSC501) .....	78,840.82	
34 71 13 19-0006 EA Hydraulic Bollard System (Delta Scientific DSC701 H).....	35,648.00	
34 71 13 19-0007 EA Decorative Fixed Post Bollard (Delta Scientific DSC701FP).....	5,538.92	
34 71 13 19-0008 EA Pneumatic Bollard System (Delta Scientific DSC701PB) .....	35,651.46	
34 71 13 19-0009 EA Hydraulic Bollard System (Delta Scientific DSC720 H).....	36,913.06	
34 71 13 19-0010 EA Decorative Fixed Post Bollard (Delta Scientific DSC720FP).....	6,305.66	
34 71 13 19-0011 EA Pneumatic Bollard System (Delta Scientific DSC720PB) .....	36,913.06	
34 71 13 19-0012 EA Decorative Hydraulic Bollard System (Delta Scientific DSC800 H).....	28,323.03	
34 71 13 19-0013 EA Manual Decorative Bollard (Delta Scientific DSC800 M) .....	10,770.82	
34 71 13 19-0014 EA Decorative Fixed Post Bollard (Delta Scientific DSC800FP).....	3,818.36	
34 71 13 19-0015 EA Decorative Pneumatic Bollard System (Delta Scientific DSC800PB) .....	28,333.39	
34 71 13 19-0016 EA Portable Surface Mounted Barrier System (Delta Scientific DSC900) .....	70,332.90	
34 71 13 19-0017 EA Quick Deployment Crash Barrier, Hydraulic (Delta Scientific IP500 H) .....	62,581.85	
34 71 13 19-0018 EA Quick Deployment Crash Barrier, Manual (Delta Scientific IP500 M) .....	45,507.79	
34 71 13 19-0019 EA Cantilever Gate (Delta Scientific SC3000) .....	44,378.27	
34 71 13 19-0020 EA Hydraulic Cantilever Gate (Delta Scientific SC3000 H) .....	37,093.06	
34 71 13 19-0021 EA Manual Crash Rated Swing Gate (Delta Scientific SGC1000).....	41,451.13	
34 71 13 19-0022 EA Surface Barricade System (Delta Scientific TT107S/FM) .....	72,332.00	
34 71 13 19-0023 EA Hydraulic Bollard System (Delta Scientific TT203 H).....	26,224.26	
34 71 13 19-0024 EA Counter Balanced Manual Bollard (Delta Scientific TT203 M) .....	7,723.51	
34 71 13 19-0025 EA Pneumatic Bollard System (Delta Scientific TT203PB).....	26,224.26	
34 71 13 19-0026 EA Barricade System (Delta Scientific TT205) .....	56,691.09	
34 71 13 19-0027 EA Barricade System (Delta Scientific TT207) .....	70,141.04	
34 71 13 19-0028 EA Barricade System (Delta Scientific TT207S/FM).....	78,840.82	
34 71 13 19-0029 EA Hydraulic Bollard System (Delta Scientific TT210 H).....	28,381.62	
34 71 13 19-0030 EA Manual Security Bollard System (Delta Scientific TT210 M).....	9,383.98	
34 71 13 19-0031 EA Fixed Post Bollard System (Delta Scientific TT210FP).....	4,150.37	
34 71 13 19-0032 EA Pneumatic Bollard System (Delta Scientific TT210PB).....	28,381.62	
34 71 13 19-0033 EA Hydraulic Cable Beam Barrier (Delta Scientific TT212 H) .....	31,553.88	
<small>For Each Additional LF Of Beam &gt;12', Add</small>		
34 71 13 19-0034 EA Manual Cable Beam Barrier (Delta Scientific TT212 M) .....	467.00	
<small>For Each Additional LF Of Beam &gt;12', Add</small>		
34 71 13 19-0035 EA Enhanced Hydraulic Cable Beam Barrier (Delta Scientific TT212E H) .....	18,449.73	
<small>For Each Additional LF Of Beam &gt;12', Add</small>		
34 71 13 19-0036 EA Enhanced Manual Cable Beam Barrier (Delta Scientific TT212E M) .....	467.00	
<small>For Each Additional LF Of Beam &gt;12', Add</small>		
34 71 13 19-0037 EA Hydraulic Crash Beam Barrier (Delta Scientific TT212EC H) .....	39,355.65	
<small>For Each Additional LF Of Beam &gt;12', Add</small>		
34 71 13 19-0038 EA Manual Crash Beam Barrier (Delta Scientific TT212EC M) .....	467.00	
<small>For Each Additional LF Of Beam &gt;12', Add</small>		
34 71 13 19-0039 EA Cable Crash Beam Barrier (Manual Operation) (Delta Scientific TT218 M).....	26,249.44	
<small>For Each Additional LF Of Beam &gt;12', Add</small>		
34 71 13 19-0040 EA Cable Crash Beam Barrier (Manual Operation) (Delta Scientific TT218E M) .....	467.00	
<small>For Each Additional LF Of Beam &gt;12', Add</small>		
34 71 13 19-0041 EA Hydraulic Heavy Duty Swing Gate (Delta Scientific TT255).....	22,841.51	
34 71 13 19-0042 EA Linear Crash Rated Gate System (Delta Scientific TT280).....	26,318.22	
34 71 13 19-0043 EA High Security Rolling Gate (Delta Scientific TT300).....	467.00	
34 71 13 19-0044 EA Barricade System (Delta Scientific TW2015) .....	17,534.91	
34 71 13 19-0045 EA Barricade System (Delta Scientific TW4030) .....	71,136.52	
34 71 13 19-0046 EA Vehicle Loop Detector (Delta Scientific 3546-3NP, 3546-7NP, or 3546-8NP) .....	42,727.35	
34 71 13 19-0047 EA Vehicle Loop Detector, Dual Relay Version, Power Resumption Safety (Delta Scientific 3546-DCNP) .....	30,491.67	
	50,459.54	
	308.81	
	379.19	

**34 Transportation**  
**34 70 Transportation Construction And Equipment**  
**34 71 Roadway Construction**



MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

<b>34 71 13 19-0048</b>		<b>Vehicle Barricade Systems Options</b> <small>(34 71 13 19)</small>		
Note: Delta Scientific Basic System or equal.				
34 71 13 19-0049	EA	Master Control Panel With Reset And Override, Single Lane Control (Delta Scientific B1036TL).....	3,031.69	
34 71 13 19-0050	EA	Remote Control Slave Panel With Annunciator (Delta Scientific B1086TL).....	2,830.84	
34 71 13 19-0051	EA	Detector Harness, 11 Pin (Delta Scientific OC02-11).....	45.51	
34 71 13 19-0052	EA	Electromagnetic Lock (Delta Scientific B4020).....	2,692.75	
34 71 13 19-0053	EA	Flashing Lights, Set Of Three (Delta Scientific B4030).....	886.60	
34 71 13 19-0054	EA	Barricade Fully Up (Or Down) Auxiliary Limit Switch (Delta Scientific B2021 Or B2020).....	342.09	
34 71 13 19-0055	EA	Crash Switch, Activates Customers Alarm (Delta Scientific B4060).....	516.27	
34 71 13 19-0056	EA	Emergency Manual Operating System, Hand Pump (Delta Scientific B1325).....	677.89	
34 71 13 19-0057	EA	Three Phase Power Monitor (Delta Scientific B1255).....	531.96	
34 71 13 19-0058	EA	Power Unit Mounted Disconnect (Delta Scientific B1260).....	952.50	
34 71 13 19-0059	EA	Barrier System Heater (Delta Scientific B4010).....	1,297.73	
34 71 13 19-0060	EA	Oil Reservoir Heater, Omega Units, 60W (Delta Scientific B1192).....	626.11	
34 71 13 19-0061	EA	Battery Back-up, Controls Only (Delta Scientific B1155).....	935.24	
34 71 13 19-0062	EA	Card Reader (Delta Scientific MPL-22).....	928.97	
<b>34 71 13 26</b>		<b>Vehicle Guide Rails</b> <small>(34 71 13)</small>		
<b>34 71 13 26-0001</b>		<b>Mobilize Guide Rail Crew</b> <small>(34 71 13 26)</small>		
34 71 13 26-0002	EA	Mobilize Guide Rail Crew.....	581.92	
Note: Excludes equipment mobilization.				
<b>34 71 13 26-0003</b>		<b>Corrugated Beam Guide Rail</b> <small>(34 71 13 26)</small>		
<b>34 71 13 26-0004</b>		<b>Corrugated Beam Guide Railing</b> <small>(34 71 13 26-0003)</small>		
<b>34 71 13 26-0005</b>		<b>Corrugated Beam Guide Railing, Straight Sections</b> <small>(34 71 13 26-0004)</small>		
Note: Add additional length for back-up sections.				
34 71 13 26-0006	LF	Corrugated Beam Guide Railing.....	8.54	1.04
34 71 13 26-0007	LF	Corrugated Beam Guide Railing (Rustic).....	9.21	1.04
<b>34 71 13 26-0008</b>		<b>Corrugated Beam Guide Railing, Shop Curved</b> <small>(34 71 13 26-0004)</small>		
Note: Add additional length for back-up sections.				
34 71 13 26-0009	LF	Shop Curved Corrugated Beam Guide Railing.....	11.18	1.04
34 71 13 26-0010	LF	Shop Curved Corrugated Beam Guide Railing (Rustic).....	12.11	1.04
34 71 13 26-0011	LF	Shop Curved Corrugated Beam Guide Railing End.....	28.81	1.04
Note: Treatment for mall barriers driveways, walkways, special end, etc.				
34 71 13 26-0012	LF	Shop Curved Corrugated Beam Guide Railing (Rustic) End.....	31.45	1.04
Note: Treatment for mall barriers shop curved corrugated beam guide railing end etc.				
<b>34 71 13 26-0013</b>		<b>Corrugated Beam Guide Railing, Manufactured End Sections</b> <small>(34 71 13 26-0003)</small>		
34 71 13 26-0014	EA	Corrugated Beam Guide Railing End Section At Anchor Unit.....	63.98	13.72
34 71 13 26-0015	EA	Corrugated Beam Guide Railing End Section (Rustic) At Anchor Unit.....	67.59	13.72
34 71 13 26-0016	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section.....	85.59	13.72
34 71 13 26-0017	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section (Rustic).....	89.19	13.72
34 71 13 26-0018	EA	Corrugated Beam Guide Railing 225 Degree End Section.....	85.59	13.72
34 71 13 26-0019	EA	Corrugated Beam Guide Railing 225 Degree End Section (Rustic).....	89.19	13.72
<b>34 71 13 26-0020</b>		<b>Corrugated Beam Guide Rail End Terminal Systems</b> <small>(34 71 13 26-0003)</small>		
Note: Excludes post. As manufactured and distributed by R. G. Steel Corp.				
34 71 13 26-0021	EA	Regent Flared End Terminal Head With Bracket.....	2,179.71	82.10
34 71 13 26-0022	EA	Fleat Flared End Terminal Head With Bracket.....	1,819.67	82.10
34 71 13 26-0023	EA	SKT 350 Tangent End Terminal Head With Bracket.....	2,179.71	82.10
34 71 13 26-0024	EA	12'-6" Corrugated Beam Pre-drilled #1 Panel.....	321.63	38.70
<b>34 71 13 26-0025</b>		<b>Corrugated Beam Guide Rail Posts</b> <small>(34 71 13 26-0003)</small>		
Note: Includes mounting hardware.				
34 71 13 26-0026	EA	Standard Post For Corrugated Beam Guide Rail.....	67.42	7.35
For Installation Without Soil Plate, Deduct			-5.00	
For Installation In Rock, Add			1.96	
34 71 13 26-0027	EA	Standard Post For (Rustic) Corrugated Beam Guide Rail.....	71.02	7.35
For Installation Without Soil Plate, Deduct			-5.00	
For Installation In Rock, Add			1.96	
34 71 13 26-0028	EA	Extra Long Post for Corrugated Beam Guide Rail.....	74.62	7.35
For Installation Without Soil Plate, Deduct			-5.00	
For Installation In Rock, Add			1.96	
34 71 13 26-0029	EA	Extra Long Post (Rustic) for Corrugated Beam Guide Rail.....	78.22	7.35
For Installation Without Soil Plate, Deduct			-5.00	
For Installation In Rock, Add			1.96	
34 71 13 26-0030	EA	6B8-1/2" or Mall Barrier Post for Corrugated Beam Guide Rail.....	67.42	7.35
For Installation Without Soil Plate, Deduct			-5.00	
For Installation In Rock, Add			1.96	
34 71 13 26-0031	EA	Post Struts for Corrugated Beam Guide Rail Mall Barrier Post.....	96.22	7.35
For Installation In Rock, Add			1.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>34 71 13 26-0032 Heavy Post Blocked Out Corrugated Beam Guide Rail Posts</b> <small>(34 71 13 26-0003)</small>		
<small>Note: Includes mounting hardware. Excludes triangular mounting brackets.</small>		
34 71 13 26-0033 EA Standard Post For Heavy Post Blocked Out Corrugated Beam Guide .....	67.42	7.35
34 71 13 26-0034 EA Standard Rustic Post For Heavy Post Blocked Out Corrugated Beam Guide .....	71.02	7.35
34 71 13 26-0035 EA Extra Long Post for Heavy Post Blocked Out Corrugated Beam Guide.....	74.62	7.35
34 71 13 26-0036 EA Extra Long Post (Rustic) For heavy post blocked out corrugated beam guide rail.....	78.22	7.35
<small>Note: For heavy post blocked out corrugated beam guide (rustic)</small>		
34 71 13 26-0037 EA Type A Post 1630mm Post .....	65.62	7.35
<small>Note: For heavy post blocked out corrugated beam guide rail</small>		
34 71 13 26-0038 EA Type A Post 1630mm Post (Rustic).....	69.22	7.35
<small>Note: For heavy post blocked out corrugated beam guide rail</small>		
34 71 13 26-0039 EA Type B Post 1460mm .....	62.02	7.35
<small>Note: For heavy post blocked out corrugated beam guide rail</small>		
34 71 13 26-0040 EA Type B Post 1460mm (Rustic).....	65.62	7.35
<small>Note: For heavy post blocked out corrugated beam guide rail</small>		
34 71 13 26-0041 EA Type C Post 1290mm .....	58.42	7.35
<small>Note: For heavy post blocked out corrugated beam guide rail</small>		
34 71 13 26-0042 EA Type C Post 1290mm (Rustic).....	62.02	7.35
<small>Note: For heavy post blocked out corrugated beam guide rail</small>		
34 71 13 26-0043 EA Breakaway Wood Or Steel Post In Steel Foundation Tube .....	248.01	7.35
34 71 13 26-0044 EA Wood, Metal, Plastic Or Composite Offset Block Or Beam .....	27.81	7.35
<small>Note: For heavy post blocked out corrugated beam guide rail.</small>		
<b>34 71 13 26-0045 Corrugated Beam Guide Rail Accessories</b> <small>(34 71 13 26-0003)</small>		
34 71 13 26-0046 EA Triangular Mounting Brackets (Galvanized Or Rustic) For All Post Types A, B And C.....	56.78	15.59
<b>34 71 13 26-0047 Corrugated Beam Guide Rail Repair for Existing Guide Rail</b> <small>(34 71 13 26-0003)</small>		
<small>Note: Includes associated hardware.</small>		
34 71 13 26-0048 LF Removal And Storage Of Corrugated Beam Guide Railing And Post.....	6.09	
34 71 13 26-0049 EA Install Stored Post For Corrugated Beam Guide Rail .....	20.78	
34 71 13 26-0050 LF Install Stored Corrugated Beam Guide Railing And Post.....	3.53	
<b>34 71 13 26-0051 Corrugated Thrie Beam Guide Railing</b> <small>(34 71 13 26-0003)</small>		
<b>34 71 13 26-0052 Corrugated Thrie Beam Guide Railing. Straight Sections</b> <small>(34 71 13 26-0051)</small>		
<small>Note: Add additional length for back-up sections.</small>		
34 71 13 26-0053 LF Corrugated Thrie Beam Guide Railing.....	20.13	1.31
34 71 13 26-0054 LF Corrugated Thrie Beam Guide Railing (Rustic).....	21.23	1.31
<b>34 71 13 26-0055 Corrugated Thrie Beam Guide Railing. Shop Curved</b> <small>(34 71 13 26-0051)</small>		
<small>Note: Add additional length for back-up sections.</small>		
34 71 13 26-0056 LF Shop Curved Corrugated Thrie Beam Guide Railing.....	24.52	1.31
34 71 13 26-0057 LF Shop Curved Corrugated Thrie Beam Guide Railing (Rustic).....	25.62	1.31
<b>34 71 13 26-0058 Corrugated Thrie Beam Guide Rail Posts</b> <small>(34 71 13 26-0051)</small>		
<small>Note: Includes hardware for mounting.</small>		
34 71 13 26-0059 EA Standard Post For Corrugated Thrie Beam Guide Rail.....	80.96	1.31
<small>For Installation Without Soil Plate, Deduct</small>		
	-5.00	
<small>For 32" Soil Plate, Add</small>		
	7.00	
34 71 13 26-0060 EA Standard Post (Rustic) For Corrugated Thrie Beam Guide Rail .....	84.56	1.31
<small>For Installation Without Soil Plate, Deduct</small>		
	-5.00	
<small>For 32" Soil Plate, Add</small>		
	7.00	
<b>34 71 13 26-0061 Timber Guide Rails</b> <small>(34 71 13 26)</small>		
<small>Note: Includes drilling and fasteners. Excludes excavation, auguring and concrete.</small>		
<b>34 71 13 26-0062 Timber Guide Rail Posts</b> <small>(34 71 13 26-0061)</small>		
34 71 13 26-0063 EA 6" x 8" Timber Guide Rail Post .....	61.38	5.20
34 71 13 26-0064 EA 6" x 9" Timber Guide Rail Post .....	70.60	5.20
34 71 13 26-0065 EA 10" x 10" Timber Guide Rail Post .....	142.91	5.20
34 71 13 26-0066 EA 10" x 12" Timber Guide Rail Post .....	151.53	5.20
34 71 13 26-0067 EA 12" x 12" Timber Guide Rail Post .....	176.11	5.20
<b>34 71 13 26-0068 Timber Guide Rails</b> <small>(34 71 13 26-0061)</small>		
<small>Note: Excludes posts, spacer blocks and steel backup plates.</small>		
34 71 13 26-0069 LF 4" x 9" Timber Guide Rail.....	7.64	0.62
34 71 13 26-0070 LF 6" x 10" Timber Guide Rail.....	10.96	0.62
34 71 13 26-0071 LF 6" x 12" Timber Guide Rail.....	12.91	0.62
<b>34 71 13 26-0072 Spacer Blocks For Timber Guide Rails</b> <small>(34 71 13 26-0061)</small>		
34 71 13 26-0073 EA 4" x 9" Spacer Block For Timber Guide Rails .....	9.92	0.83
34 71 13 26-0074 EA 6" x 8" Spacer Block For Timber Guide Rails .....	11.52	0.83
34 71 13 26-0075 EA 8" x 8" Spacer Block For Timber Guide Rails .....	13.55	0.83

<b>34</b>	<b>Transportation</b>
<b>34 70</b>	<b>Transportation Construction And Equipment</b>
<b>34 71</b>	<b>Roadway Construction</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>34 71 13 26-0076</b> <b>Weathering Steel Backup Plates For Timber Guide Rails</b> <small>(34 71 13 26-0061)</small>		
34 71 13 26-0077    LF    6" High, Weathering Steel Backup Plate For Timber Guide Rails.....	14.34	0.52
<b>34 71 13 26-0078</b> <b>Weathering Steel Splice And Bearing Plates For Timber Guide Rails</b> <small>(34 71 13 26-0061)</small>		
34 71 13 26-0079    EA    Weathering Steel Splice Plate For Timber Guide Rails.....	96.73	7.27
34 71 13 26-0080    EA    Weathering Steel Bearing Termination Plate For Timber Guide Rails.....	60.15	5.20
<b>34 71 13 26-0081</b> <b>Cable Guide Rail</b> <small>(34 71 13 26)</small>		
<b>34 71 13 26-0082</b> <b>Cable Guide Rail</b> <small>(34 71 13 26-0081)</small>		
34 71 13 26-0083    LF    Cable (Each Cable).....	4.56	1.12
	Note: Includes tensioning. Excludes splices.	
34 71 13 26-0084    EA    Cable Splice With Wedges .....	118.40	7.80
<b>34 71 13 26-0085</b> <b>Cable Guide Rail Posts</b> <small>(34 71 13 26-0081)</small>		
	Note: Includes hardware for cable mounting.	
34 71 13 26-0086    EA    Standard Post for Cable Guide Rail .....	86.71	24.53
	For Installation Without Soil Plate, Deduct	-5.00
	For Installation In Rock, Add	6.54
34 71 13 26-0087    EA    Standard Post (Rustic) for Cable Guide Rail.....	90.31	24.53
	For Installation Without Soil Plate, Deduct	-5.00
	For Installation In Rock, Add	6.54
34 71 13 26-0088    EA    Extra Long Post for Cable Guide Rail .....	90.31	24.53
	For Installation Without Soil Plate, Deduct	-5.00
	For Installation In Rock, Add	6.54
34 71 13 26-0089    EA    Extra Long Post (Rustic) for Cable Guide Rail.....	93.91	24.53
	For Installation Without Soil Plate, Deduct	-5.00
	For Installation In Rock, Add	6.54
34 71 13 26-0090    EA    Slip Impact Post Top for Anchor Unit.....	56.28	9.81
34 71 13 26-0091    EA    Slip Impact Post Base and Keeper Plate .....	146.29	9.81
	Note: For anchor unit.	
<b>34 71 13 26-0092</b> <b>Cable Guide Rail Accessories For Breakaway Anchor Angle Systems</b> <small>(34 71 13 26-0081)</small>		
34 71 13 26-0093    EA    Turnbuckle Cable End Assembly For Use With Breakaway Anchors .....	261.24	104.12
34 71 13 26-0094    EA    Turnbuckle Cable End Assembly .....	78.95	5.21
34 71 13 26-0095    EA    Spring Cable End Assembly (Compensating Device) For Use With Breakaway Anchors .....	255.48	2.59
34 71 13 26-0096    EA    Spring Cable End Assembly (Compensating Device) Without Turnbuckle .....	262.68	2.59
34 71 13 26-0097    EA    Breakaway Anchor Angle.....	100.55	5.21
34 71 13 26-0098    EA    Standard End Post Cap Assembly.....	46.65	2.59
34 71 13 26-0099    EA    Driveway End Post Cap Assembly.....	39.45	2.59
34 71 13 26-0100    EA    End Post Ground Support Plates .....	21.45	2.59
34 71 13 26-0101    EA    11" Stud Bolt, Cable Guide Rail .....	18.75	2.59
34 71 13 26-0102    EA    18" Stud Bolt, Cable Guide Rail .....	22.35	2.59
34 71 13 26-0103    EA    25" Stud Bolt, Cable Guide Rail .....	25.95	2.59
34 71 13 26-0104    EA    1-1/4" Diameter Turnbuckle, Cable Guide Rail .....	222.96	5.21
34 71 13 26-0105    EA    1-1/2" Diameter Turnbuckle, Cable Guide Rail .....	237.37	5.21
34 71 13 26-0106    EA    5/8" Diameter Turnbuckle With 12" Take-up And Shackle Ends, Cable Guide Rail.....	158.16	5.21
34 71 13 26-0107    EA    5/8" Eye Bolt 18" Long, Cable Guide Rail.....	97.06	2.59
34 71 13 26-0108    EA    3/4" Eye Bolt 8'-6" Long, Cable Guide Rail .....	100.55	5.21
34 71 13 26-0109    EA    1-5/8" Anchor Rod 10' Long With Plate, Cable Guide Rail.....	107.60	7.80
<b>34 71 13 26-0110</b> <b>Cable Guide Rail Accessories For Slip Impact Post Systems</b> <small>(34 71 13 26-0081)</small>		
34 71 13 26-0111    EA    Turnbuckle Cable End Assembly .....	180.14	8.19
	Note: For use with slip impact post.	
34 71 13 26-0112    EA    Spring Cable End Assembly (Compensating Device).....	352.96	8.19
	Note: For use with slip impact post.	
34 71 13 26-0113    EA    Anchor Angle For Slip Impact Post System .....	104.53	8.19
34 71 13 26-0114    EA    Cable End Assembly Rod .....	86.53	8.19
	Note: Includes cable end, threaded rod and keeper to anchor angle.	
<b>34 71 13 26-0115</b> <b>Cable Guide Rail Repair For Existing Guide Rail</b> <small>(34 71 13 26-0081)</small>		
	Note: All tasks include associated hardware.	
34 71 13 26-0116    LF    Retention Existing Cable (Each Cable).....	0.70	
34 71 13 26-0117    LF    Removal And Storage Of Cable Guide Railing .....	4.19	
34 71 13 26-0118    EA    Install Stored Post For Cable Guide Railing.....	32.70	
34 71 13 26-0119    LF    Install Stored Cable, (Each Cable).....	1.85	
	Note: Includes retensioning. Excludes splices.	
<b>34 71 13 26-0120</b> <b>6" x 6" Box Beam Guide Rail</b> <small>(34 71 13 26)</small>		
<b>34 71 13 26-0121</b> <b>Box Beam Guide Rail, 6" x 6"</b> <small>(34 71 13 26-0120)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>34 71 13 26-0122</b> <b>Straight Sections, Box Beam Guide Rail</b> <small>(34 71 13 26-0121)</small>		
34 71 13 26-0123    LF    Box Beam Guide Railing 6" x 6" x 3/16" Galvanized.....	24.25	1.31
Note: Excludes splices.		
<i>For Flush Mounting Directly To Structure, Add</i>		
	1.83	
34 71 13 26-0124    LF    Box Beam Guide Railing 6" x 6" x 3/16" (Rustic).....	27.54	1.31
Note: Excludes splices.		
<i>For Flush Mounting Directly To Structure, Add</i>		
	1.83	
34 71 13 26-0125    LF    Box Beam Guide Railing 8" x 6" x 3/16" Galvanized.....	28.75	1.31
Note: Excludes splices		
<i>For Flush Mounting Directly To Structure, Add</i>		
	1.83	
<b>34 71 13 26-0126</b> <b>Shop Curved, Box Beam Guide Rail</b> <small>(34 71 13 26-0121)</small>		
34 71 13 26-0127    LF    Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" Galvanized.....	36.87	1.31
Note: Excludes splices.		
<i>For Shop Curved At &lt;20' Radius, Add</i>		
	2.44	
<i>For Flush Mounting Directly To Structure, Add</i>		
	1.83	
34 71 13 26-0128    LF    Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" (Rustic).....	40.16	1.31
Note: Excludes splices.		
<i>For Shop Curved At &lt;20' Radius, Add</i>		
	2.44	
<i>For Flush Mounting Directly To Structure, Add</i>		
	1.83	
34 71 13 26-0129    LF    Shop Curved Box Beam Guide Railing 8" x 6" x 3/16" Galvanized.....	43.87	1.31
Note: Excludes splices.		
<i>For Shop Curved At &lt;20' Radius, Add</i>		
	2.44	
<i>For Flush Mounting Directly To Structure, Add</i>		
	1.83	
<b>34 71 13 26-0130</b> <b>Box Beam Guide Rail End Treatment Sections</b> <small>(34 71 13 26-0120)</small>		
Note: Includes rail, end cover plate and hardware only. Excludes posts and splice.		
34 71 13 26-0131    EA    Box Beam End Piece Guide Railing Section.....	380.82	15.59
Note: Galvanized excludes splices.		
34 71 13 26-0132    EA    Box Beam End Piece Guide Railing Section (Rustic).....	420.42	15.59
Note: Excludes splices.		
34 71 13 26-0133    EA    Box Beam Guide Railing End Treatment Section At Driveway, Galvanized.....	359.22	15.59
Note: Excludes splices.		
34 71 13 26-0134    EA    Box Beam Guide Railing End Treatment Section At Driveway, (Rustic).....	373.62	15.59
Note: Excludes splices.		
34 71 13 26-0135    EA    Box Beam Guiderail End Assembly.....	10,810.98	415.66
Note: Includes all components for the first 14'. Includes energy absorbing terminal, bearing plate, steel breakaway post upper and lower assembly, interior sleeve, box beam, post breaker, cable assembly, end tube rail, end tube tie plate, post 1 and post 2.		
<b>34 71 13 26-0136</b> <b>Splices For Box Beam Guide Rail</b> <small>(34 71 13 26-0120)</small>		
34 71 13 26-0137    EA    Splice For Box Beam Guide Rail.....	100.28	23.14
34 71 13 26-0138    EA    Splice For Box Beam Guide Rail (Rustic).....	125.48	23.14
<b>34 71 13 26-0139</b> <b>Box Beam Guide Rail Posts</b> <small>(34 71 13 26-0120)</small>		
Note: Includes hardware for box beam mounting.		
34 71 13 26-0140    EA    Standard Post For Box Beam Guide Rail.....	90.31	24.53
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For Installation In Rock, Add</i>		
	6.54	
34 71 13 26-0141    EA    Standard Post (Rustic) for Box Beam Guide Railing.....	93.91	24.53
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For Installation In Rock, Add</i>		
	6.54	
34 71 13 26-0142    EA    Extra Long Post For Box Beam Guide Rail.....	97.51	24.53
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For Installation In Rock, Add</i>		
	6.54	
34 71 13 26-0143    EA    Extra Long Post (Rustic) For Box Beam Guide Rail.....	101.11	24.53
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For Installation In Rock, Add</i>		
	6.54	
34 71 13 26-0144    EA    Type I End Assembly Post.....	86.71	24.53
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For Installation In Rock, Add</i>		
	6.54	
34 71 13 26-0145    EA    Type I End Assembly Post (Rustic).....	90.31	24.53
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For Installation In Rock, Add</i>		
	6.54	
34 71 13 26-0146    EA    Type II End Assembly Post.....	83.11	24.53
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For Installation In Rock, Add</i>		
	6.54	
34 71 13 26-0147    EA    Type II End Assembly Post (Rustic).....	86.71	24.53
<i>For Installation Without Soil Plate, Deduct</i>		
	-5.00	
<i>For Installation In Rock, Add</i>		
	6.54	
<b>34 71 13 26-0148</b> <b>Box Beam Guide Rail Accessories</b> <small>(34 71 13 26-0120)</small>		
34 71 13 26-0149    EA    Box Beam Guide Rail End Cover Plate.....	49.43	4.67
34 71 13 26-0150    EA    Box Beam Guide Rail End Cover Plate (Rustic).....	53.04	4.67
<b>34 71 13 26-0151</b> <b>Box Beam Guide Railing Repair, And Resetting</b> <small>(34 71 13 26-0120)</small>		
Note: For existing guide rail.		



**34 Transportation****34 70 Transportation Construction And Equipment****34 71 Roadway Construction**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0152 LF Removal And Storage Of Box Beam Guide Rail And Post .....	2.05	
34 71 13 26-0153 LF Reset Box Beam Guide Rail .....	5.99	
<b>34 71 13 26-0154 6" x 8" Box Beam Median Barrier (34 71 13 26)</b>		
<b>34 71 13 26-0155 Box Beam Median Barrier, 6" x 8" (34 71 13 26-0154)</b>		
<b>34 71 13 26-0156 Straight Sections, Box Beam Median Barrier (34 71 13 26-0155)</b>		
34 71 13 26-0157 LF Box Beam Median Barrier Galvanized Excludes Splices .....	40.80	4.67
For Flush Mounting Directly To Structure, Add	1.83	
34 71 13 26-0158 LF Box Beam Median Barrier (Rustic) Excludes Splices .....	44.09	4.67
For Flush Mounting Directly To Structure, Add	1.83	
<b>34 71 13 26-0159 Shop Curved, Box Beam Median Barrier (34 71 13 26-0155)</b>		
34 71 13 26-0160 LF Shop Curved Box Beam Median Barrier Galvanized .....	49.45	4.67
Note: Excludes splices.		
For Shop Curved At <20' Radius, Add	2.44	
For Flush Mounting Directly To Structure, Add	1.83	
34 71 13 26-0161 LF Shop Curved Box Beam Median Barrier Rustic .....	60.25	4.67
Note: Excludes splices.		
For Shop Curved At <20' Radius, Add	2.44	
For Flush Mounting Directly To Structure, Add	1.83	
<b>34 71 13 26-0162 Box Beam Median Barrier End Treatment Sections (34 71 13 26-0154)</b>		
Note: Includes rail, end cover plate and hardware. Excludes posts.		
34 71 13 26-0163 EA Box Beam Median Barrier Type A End Treatment Section, Galvanized .....	1,241.32	15.59
Note: Excludes splices and post.		
34 71 13 26-0164 EA Box Beam Median Barrier Type A End Treatment Section (Rustic) .....	1,270.12	15.59
Note: Excludes splices and post.		
34 71 13 26-0165 EA Box Beam Median Barrier Type B End Treatment Section, Galvanized .....	1,241.32	15.59
Note: Excludes splices and post.		
34 71 13 26-0166 EA Box Beam Median Barrier Type B End Treatment Section (Rustic) .....	1,270.12	15.59
Note: Excludes splices and post.		
<b>34 71 13 26-0167 Splices For Box Beam Median Barrier (34 71 13 26-0154)</b>		
34 71 13 26-0168 EA Splice for Box Beam Median Barrier .....	95.84	12.47
34 71 13 26-0169 EA Splice for Box Beam Median Barrier (Rustic) .....	149.84	12.47
<b>34 71 13 26-0170 Box Beam Median Barrier Posts Driven With Soil Plate (34 71 13 26-0154)</b>		
Note: Includes all associated hardware.		
34 71 13 26-0171 EA Standard Post for Box Beam Median Barrier .....	90.31	24.53
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	6.54	
34 71 13 26-0172 EA Standard Post (Rustic) for Box Beam Median Barrier .....	93.91	24.53
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	6.54	
34 71 13 26-0173 EA Extra Long Post for Box Beam Median Barrier .....	97.51	24.53
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	6.54	
34 71 13 26-0174 EA Extra Long Post (Rustic) for Box Beam Median Barrier .....	101.11	24.53
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	6.54	
34 71 13 26-0175 EA Type B End Treatment or Rub Back Anchor Post for Box Beam .....	83.11	24.53
Note: For median barrier.		
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	6.54	
34 71 13 26-0176 EA Type B End Treatment or Rub Back Anchor Post (Rustic) .....	83.11	24.53
Note: For box beam median barrier.		
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	6.54	
34 71 13 26-0177 EA Type I End Assembly Post for Box Beam Median Barrier to Concrete .....	97.51	24.53
Note: For median barrier transition.		
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	6.54	
34 71 13 26-0178 EA Type I End Assembly Post (Rustic) for Box Beam Median Barrier .....	101.11	24.53
Note: For Concrete median barrier transition.		
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	6.54	
<b>34 71 13 26-0179 Box Beam Median Barrier Accessories (34 71 13 26-0154)</b>		
34 71 13 26-0180 EA Box Beam Median Barrier End Cover Plate .....	61.63	10.98
34 71 13 26-0181 EA Box Beam Median Barrier End Cover Plate (Rustic) .....	65.24	10.98
<b>34 71 13 26-0182 Box Beam Median Barrier Repair, And Resetting (34 71 13 26-0154)</b>		
Note: For existing guide rail.		
34 71 13 26-0183 LF Remove and Store Box Beam Median Barrier and Posts .....	2.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0184 LF Reset Box Beam Median Barrier .....	6.27	
<b>34 71 13 26-0185 Universal Guide Rail Items</b> (34 71 13 26)		
<b>34 71 13 26-0186 Guide Rail Concrete Anchor Units For All Types Of Guide Rail</b> (34 71 13 26-0185)		
Note: For cast in place or precast. Includes excavation, formwork, concrete, reinforcement, anchor rods and/or imbedded plate. Excludes anchor angle. For anchor angles and other terminal connections, use accessories section for respective guide rail type.		
34 71 13 26-0187 CY Guide Rail Concrete Anchor Unit.....	385.67	
For Each Additional Set Of Anchor Rods, Add	38.00	
34 71 13 26-0188 EA Reset Existing Anchorage Unit For All Types of Guide Rail.....	238.35	
Note: Includes excavation and backfill.		
34 71 13 26-0189 EA Removal Of Guide Rail Concrete Anchor Unit.....	273.50	
<b>34 71 13 26-0190 Guide Rail Repair For All Types Of Existing Guide Rail</b> (34 71 13 26-0185)		
Note: All tasks include associated hardware.		
34 71 13 26-0191 EA Straighten And Reset Driven Post For Guide Rail .....	32.70	
34 71 13 26-0192 EA Straighten And Reset Post Mounted On Concrete For Guide Rail .....	37.88	
Note: With base plate for guide rail. Includes new anchor bolts.		
<b>34 71 13 26-0193 Additional Wood and Steel Posts</b> (34 71 13 26-0185)		
34 71 13 26-0194 LF 4" x 6" Wood Guard Rail Post.....	28.02	8.19
For Installation In Rock, Add	2.18	
34 71 13 26-0195 LF 6" x 8" Wood Guard Rail Post.....	33.42	8.19
For Installation In Rock, Add	2.18	
34 71 13 26-0196 LF 6" x 7/8" Galvanized Steel Guard Rail Post.....	21.12	8.19
For Installation In Rock, Add	2.18	
34 71 13 26-0197 EA Base Plate With Anchor Bolts For Mounting Guard Rail Post On Concrete.....	194.05	8.19
<b>34 71 13 26-0198 Accessories For All Types of Guide Rail</b> (34 71 13 26-0185)		
34 71 13 26-0199 EA Reflector, Guard Rail .....	23.35	
<b>34 71 13 26-0200 Individual Concrete Guard Rail Posts</b> (34 71 13 26)		
34 71 13 26-0201 EA 6'-5" Concrete Guard Rail Posts, Round.....	83.72	3.12
34 71 13 26-0202 EA 6'-5" Concrete Posts, Square.....	93.27	3.52
34 71 13 26-0203 EA 6'-5" Concrete Posts, Triangular.....	90.18	3.52
<b>34 71 13 26-0204 Guide Rail Transitions</b> (34 71 13 26)		
<b>34 71 13 26-0205 Transition Box Beam Guide Rail To Corrugated Beam</b> (34 71 13 26-0204)		
34 71 13 26-0206 EA Box Beam To Corrugated Beam Rail Bolted Section.....	354.85	
34 71 13 26-0207 EA Box Beam To Corrugated Beam Rail Bolted Plate .....	210.84	
Note: For making cable connections.		
<b>34 71 13 26-0208 Transition Box Beam Median Barrier To Corrugated Beam Median</b> (34 71 13 26-0204)		
34 71 13 26-0209 EA Box Beam Median Barrier To Corrugated Beam Bolted Section .....	362.05	
34 71 13 26-0210 EA Box Beam Median Barrier To Corrugated Beam Harness Plate.....	210.84	
Note: For making cable connections.		
<b>34 71 13 26-0211 Transition Box Beam Guide Rail To Cable Guide Rail</b> (34 71 13 26-0204)		
34 71 13 26-0212 EA Box Beam to Cable Guide Rail U-bolt And Plate .....	49.89	8.31
<b>34 71 13 26-0213 Transition Box Beam Median Barrier To Concrete Median Barrier</b> (34 71 13 26-0204)		
34 71 13 26-0214 EA Box Beam Median Barrier To Concrete Barrier End Connection.....	498.87	
<b>34 71 13 26-0215 Transition Thrie Beam To Concrete Median Barrier</b> (34 71 13 26-0204)		
34 71 13 26-0216 EA Thrie Beam Terminal Connector At Concrete Median Barrier.....	318.85	
34 71 13 26-0217 EA Thrie Beam Transition Section To Corrugated Beam Guide Rail.....	408.86	
<b>34 71 16 Impact Attenuating Devices</b> (34 71)		
<b>34 71 16 00-0001 Guard Rail Energy Absorbing Terminals</b> (34 71 16)		
Note: Crushable foam cartridges surrounded by steel guardrail for narrow hazards. QuadGuard System as manufactured by Energy Absorption Systems, Inc.		
<b>34 71 16 00-0002 24" Wide Guard Rail Energy Absorbing Terminals</b> (34 71 16 00-0001)		
34 71 16 00-0003 EA 24" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator .....	20,364.74	1,637.79
34 71 16 00-0004 EA 24" Wide, 5 Cartridge, Bays Energy Absorbing Crash Attenuator .....	28,439.45	2,183.72
34 71 16 00-0005 EA 24" Wide, 7 Cartridge, Bays Energy Absorbing Crash Attenuator .....	39,010.07	2,866.13
34 71 16 00-0006 EA 24" Wide, 9 Cartridge, Bays Energy Absorbing Crash Attenuator .....	42,734.99	3,548.54

<b>34</b>	<b>Transportation</b>
<b>34 70</b>	<b>Transportation Construction And Equipment</b>
<b>34 71</b>	<b>Roadway Construction</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>34 71 16 00-0007</b> <b>30" Wide Guard Rail Energy Absorbing Terminals</b> (34 71 16 00-0001)		
34 71 16 00-0008 EA 30" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator .....	21,792.90	1,842.51
34 71 16 00-0009 EA 30" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator .....	30,547.11	2,456.68
34 71 16 00-0010 EA 30" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator .....	42,090.12	3,275.57
34 71 16 00-0011 EA 30" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator .....	47,846.93	3,957.99
<b>34 71 16 00-0012</b> <b>36" Wide Guard Rail Energy Absorbing Terminals</b> (34 71 16 00-0001)		
34 71 16 00-0013 EA 36" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator .....	23,241.51	2,047.24
34 71 16 00-0014 EA 36" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator .....	32,674.88	2,729.64
34 71 16 00-0015 EA 36" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator .....	44,877.52	3,616.78
34 71 16 00-0016 EA 36" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator .....	52,937.99	4,367.43
<b>34 71 16 00-0017</b> <b>69" Wide Guard Rail Energy Absorbing Terminals</b> (34 71 16 00-0001)		
34 71 16 00-0018 EA 69" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator .....	25,106.83	2,251.96
34 71 16 00-0019 EA 69" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator .....	34,965.15	3,002.61
34 71 16 00-0020 EA 69" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator .....	48,314.16	3,957.99
34 71 16 00-0021 EA 69" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator .....	56,687.72	4,776.88
<b>34 71 16 00-0022</b> <b>90" Wide Guard Rail Energy Absorbing Terminals</b> (34 71 16 00-0001)		
34 71 16 00-0023 EA 90" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator .....	27,032.79	2,456.68
34 71 16 00-0024 EA 90" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator .....	37,326.48	3,275.57
34 71 16 00-0025 EA 90" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator .....	52,166.06	4,367.43
34 71 16 00-0026 EA 90" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator .....	60,561.38	5,186.33
<b>34 71 19</b> <b>Vehicle Delineators</b> (34 71)		
<b>34 71 19 16</b> <b>Flexible Vehicle Delineators</b> (34 71 19)		
34 71 19 16-0001 EA 2' High, 3" Diameter Flexible Fixed Stanchion Delineator.....	48.69	3.90
34 71 19 16-0002 EA 3' High, 3" Diameter Flexible Fixed Stanchion Delineator.....	49.45	3.90
34 71 19 16-0003 EA 3-1/2' High, 3" Diameter Flexible Fixed Stanchion Delineator.....	50.21	3.90
34 71 19 16-0004 EA 4' High, 3" Diameter Flexible Fixed Stanchion Delineator.....	50.97	3.90
<b>34 73</b> <b>Airfield Construction</b> (34 70)		
<b>34 73 33</b> <b>Airfield Paving</b> (34 73)		
<b>34 73 33 00-0001</b> <b>Concrete Runway Paving And Repair</b> (34 73 33)		
<b>34 73 33 00-0002</b> <b>Concrete Runway Paving</b> (34 73 33 00-0001)		
Note: The following section includes spreading and placing delivered Portland cement concrete mix.		
34 73 33 00-0003 SY 4" Concrete Pavement, 6,000 PSI Assembly.....	57.09	
For Up To 100, Add	17.09	
For >100 To 250, Add	10.69	
For >250 To 500, Add	5.35	
For >1,000 To 2,000, Deduct	-2.15	
For >2,000 To 5,000, Deduct	-3.57	
For >5,000 To 10,000, Deduct	-5.00	
For >10,000 To 20,000, Deduct	-6.43	
For >20,000, Deduct	-7.85	
For 5,000 PSI, Deduct	-4.29	
For 4,500 PSI, Deduct	-7.29	
For 7,500 PSI, Add	13.51	
For 9,000 PSI, Add	41.61	
For 10,500 PSI, Add	57.92	
For 12,000 PSI, Add	77.22	
34 73 33 00-0004 SY 5" Concrete Pavement, 6,000 PSI Assembly.....	69.62	
For Up To 100, Add	20.24	
For >100 To 250, Add	12.81	
For >250 To 500, Add	6.41	
For >1,000 To 2,000, Deduct	-2.69	
For >2,000 To 5,000, Deduct	-4.43	
For >5,000 To 10,000, Deduct	-6.17	
For >10,000 To 20,000, Deduct	-7.91	
For >20,000, Deduct	-9.65	
For 5,000 PSI, Deduct	-5.38	
For 4,500 PSI, Deduct	-9.15	
For 7,500 PSI, Add	16.96	
For 9,000 PSI, Add	52.22	
For 10,500 PSI, Add	72.68	
For 12,000 PSI, Add	96.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 73 33 00-0005 SY 6" Concrete Pavement, 6,000 PSI Assembly.....	73.88	
For Up To 100, Add	21.61	
For >100 To 250, Add	13.65	
For >250 To 500, Add	6.82	
For >1,000 To 2,000, Deduct	-2.84	
For >2,000 To 5,000, Deduct	-4.69	
For >5,000 To 10,000, Deduct	-6.53	
For >10,000 To 20,000, Deduct	-8.38	
For >20,000, Deduct	-10.23	
For 5,000 PSI, Deduct	-5.68	
For 4,500 PSI, Deduct	-9.65	
For 7,500 PSI, Add	17.89	
For 9,000 PSI, Add	55.09	
For 10,500 PSI, Add	76.67	
For 12,000 PSI, Add	102.22	
34 73 33 00-0006 SY 7" Concrete Pavement, 6,000 PSI Assembly.....	90.55	
For Up To 100, Add	25.68	
For >100 To 250, Add	16.42	
For >250 To 500, Add	8.21	
For >1,000 To 2,000, Deduct	-3.58	
For >2,000 To 5,000, Deduct	-5.84	
For >5,000 To 10,000, Deduct	-8.11	
For >10,000 To 20,000, Deduct	-10.37	
For >20,000, Deduct	-12.64	
For 5,000 PSI, Deduct	-7.16	
For 4,500 PSI, Deduct	-12.18	
For 7,500 PSI, Add	22.56	
For 9,000 PSI, Add	69.47	
For 10,500 PSI, Add	96.69	
For 12,000 PSI, Add	128.92	
34 73 33 00-0007 SY 8" Concrete Pavement, 6,000 PSI Assembly.....	101.32	
For Up To 100, Add	29.35	
For >100 To 250, Add	18.60	
For >250 To 500, Add	9.30	
For >1,000 To 2,000, Deduct	-3.93	
For >2,000 To 5,000, Deduct	-6.46	
For >5,000 To 10,000, Deduct	-9.00	
For >10,000 To 20,000, Deduct	-11.53	
For >20,000, Deduct	-14.06	
For 5,000 PSI, Deduct	-7.86	
For 4,500 PSI, Deduct	-13.36	
For 7,500 PSI, Add	24.76	
For 9,000 PSI, Add	76.25	
For 10,500 PSI, Add	106.12	
For 12,000 PSI, Add	141.50	
34 73 33 00-0008 SY 9" Concrete Pavement, 6,000 PSI Assembly.....	115.92	
For Up To 100, Add	33.22	
For >100 To 250, Add	21.15	
For >250 To 500, Add	10.58	
For >1,000 To 2,000, Deduct	-4.54	
For >2,000 To 5,000, Deduct	-7.44	
For >5,000 To 10,000, Deduct	-10.34	
For >10,000 To 20,000, Deduct	-13.24	
For >20,000, Deduct	-16.13	
For 5,000 PSI, Deduct	-9.08	
For 4,500 PSI, Deduct	-15.44	
For 7,500 PSI, Add	28.61	
For 9,000 PSI, Add	88.11	
For 10,500 PSI, Add	122.63	
For 12,000 PSI, Add	163.51	
34 73 33 00-0009 SY 10" Concrete Pavement, 6,000 PSI Assembly.....	128.31	
For Up To 100, Add	37.02	
For >100 To 250, Add	23.51	
For >250 To 500, Add	11.75	
For >1,000 To 2,000, Deduct	-5.00	
For >2,000 To 5,000, Deduct	-8.20	
For >5,000 To 10,000, Deduct	-11.41	
For >10,000 To 20,000, Deduct	-14.62	
For >20,000, Deduct	-17.83	
For 5,000 PSI, Deduct	-9.99	
For 4,500 PSI, Deduct	-16.99	
For 7,500 PSI, Add	31.47	
For 9,000 PSI, Add	96.92	
For 10,500 PSI, Add	134.89	
For 12,000 PSI, Add	179.86	

**34 Transportation****34 70 Transportation Construction And Equipment****34 73 Airfield Construction**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 73 33 00-0010 SY 12" Concrete Pavement, 6,000 PSI Assembly.....	152.40	
For Up To 100, Add	44.11	
For >100 To 250, Add	27.97	
For >250 To 500, Add	13.99	
For >1,000 To 2,000, Deduct	-5.92	
For >2,000 To 5,000, Deduct	-9.73	
For >5,000 To 10,000, Deduct	-13.54	
For >10,000 To 20,000, Deduct	-17.35	
For >20,000, Deduct	-21.16	
For 5,000 PSI, Deduct	-11.83	
For 4,500 PSI, Deduct	-20.11	
For 7,500 PSI, Add	37.27	
For 9,000 PSI, Add	114.77	
For 10,500 PSI, Add	159.73	
For 12,000 PSI, Add	212.98	
34 73 33 00-0011 SY 15" Concrete Pavement, 6,000 PSI Assembly.....	190.52	
For Up To 100, Add	56.19	
For >100 To 250, Add	35.36	
For >250 To 500, Add	17.68	
For >1,000 To 2,000, Deduct	-7.27	
For >2,000 To 5,000, Deduct	-12.03	
For >5,000 To 10,000, Deduct	-16.79	
For >10,000 To 20,000, Deduct	-21.55	
For >20,000, Deduct	-26.32	
For 5,000 PSI, Deduct	-14.53	
For 4,500 PSI, Deduct	-24.70	
For 7,500 PSI, Add	45.77	
For 9,000 PSI, Add	140.94	
For 10,500 PSI, Add	196.16	
For 12,000 PSI, Add	261.54	
<b>34 73 33 00-0012 Concrete Runway Paving Repair</b> <small>(34 73 33 00-0001)</small>		
Note: The following section includes spreading and placing delivered Portland cement concrete mix. Excludes saw-cutting, breakup and removal See CSI section 02 41 13 13-0018 for concrete removal, 02 41 19 13-0058 for sawcutting concrete.		
34 73 33 00-0013 SY 4" Concrete Pavement, 6,000 PSI Assembly Repair .....	60.65	
For Up To 100, Add	19.23	
For >100 To 250, Add	11.76	
For >250 To 500, Add	5.88	
For 5,000 PSI, Deduct	-4.29	
For 4,500 PSI, Deduct	-7.29	
For 7,500 PSI, Add	13.51	
For 9,000 PSI, Add	41.61	
For 10,500 PSI, Add	57.92	
For 12,000 PSI, Add	77.22	
34 73 33 00-0014 SY 5" Concrete Pavement, 6,000 PSI Assembly Repair .....	73.56	
For Up To 100, Add	22.60	
For >100 To 250, Add	13.99	
For >250 To 500, Add	7.00	
For 5,000 PSI, Deduct	-5.38	
For 4,500 PSI, Deduct	-9.15	
For 7,500 PSI, Add	16.96	
For 9,000 PSI, Add	52.22	
For 10,500 PSI, Add	72.68	
For 12,000 PSI, Add	96.91	
34 73 33 00-0015 SY 6" Concrete Pavement, 6,000 PSI Assembly Repair .....	78.15	
For Up To 100, Add	24.17	
For >100 To 250, Add	14.93	
For >250 To 500, Add	7.46	
For 5,000 PSI, Deduct	-5.68	
For 4,500 PSI, Deduct	-9.65	
For 7,500 PSI, Add	17.89	
For 9,000 PSI, Add	55.09	
For 10,500 PSI, Add	76.67	
For 12,000 PSI, Add	102.22	
34 73 33 00-0016 SY 7" Concrete Pavement, 6,000 PSI Assembly Repair .....	95.28	
For Up To 100, Add	28.52	
For >100 To 250, Add	17.84	
For >250 To 500, Add	8.92	
For 5,000 PSI, Deduct	-7.16	
For 4,500 PSI, Deduct	-12.18	
For 7,500 PSI, Add	22.56	
For 9,000 PSI, Add	69.47	
For 10,500 PSI, Add	96.69	
For 12,000 PSI, Add	128.92	
34 73 33 00-0017 SY 8" Concrete Pavement, 6,000 PSI Assembly Repair .....	107.00	
For Up To 100, Add	32.76	
For >100 To 250, Add	20.31	
For >250 To 500, Add	10.15	
For 5,000 PSI, Deduct	-7.86	
For 4,500 PSI, Deduct	-13.36	
For 7,500 PSI, Add	24.76	
For 9,000 PSI, Add	76.25	
For 10,500 PSI, Add	106.12	
For 12,000 PSI, Add	141.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 73 33 00-0018 SY 9" Concrete Pavement, 6,000 PSI Assembly Repair .....	122.18	
<i>For Up To 100, Add</i>	36.97	
<i>For &gt;100 To 250, Add</i>	23.03	
<i>For &gt;250 To 500, Add</i>	11.51	
<i>For 5,000 PSI, Deduct</i>	-9.08	
<i>For 4,500 PSI, Deduct</i>	-15.44	
<i>For 7,500 PSI, Add</i>	28.61	
<i>For 9,000 PSI, Add</i>	88.11	
<i>For 10,500 PSI, Add</i>	122.63	
<i>For 12,000 PSI, Add</i>	163.51	
34 73 33 00-0019 SY 10" Concrete Pavement, 6,000 PSI Assembly Repair .....	135.41	
<i>For Up To 100, Add</i>	41.28	
<i>For &gt;100 To 250, Add</i>	25.64	
<i>For &gt;250 To 500, Add</i>	12.82	
<i>For 5,000 PSI, Deduct</i>	-9.99	
<i>For 4,500 PSI, Deduct</i>	-16.99	
<i>For 7,500 PSI, Add</i>	31.47	
<i>For 9,000 PSI, Add</i>	96.92	
<i>For 10,500 PSI, Add</i>	134.89	
<i>For 12,000 PSI, Add</i>	179.86	
34 73 33 00-0020 SY 12" Concrete Pavement, 6,000 PSI Assembly Repair .....	160.91	
<i>For Up To 100, Add</i>	49.22	
<i>For &gt;100 To 250, Add</i>	30.53	
<i>For &gt;250 To 500, Add</i>	15.26	
<i>For 5,000 PSI, Deduct</i>	-11.83	
<i>For 4,500 PSI, Deduct</i>	-20.11	
<i>For 7,500 PSI, Add</i>	37.27	
<i>For 9,000 PSI, Add</i>	114.77	
<i>For 10,500 PSI, Add</i>	159.73	
<i>For 12,000 PSI, Add</i>	212.98	
34 73 33 00-0021 SY 15" Concrete Pavement, 6,000 PSI Assembly Repair .....	201.83	
<i>For Up To 100, Add</i>	62.98	
<i>For &gt;100 To 250, Add</i>	38.75	
<i>For &gt;250 To 500, Add</i>	19.38	
<i>For 5,000 PSI, Deduct</i>	-14.53	
<i>For 4,500 PSI, Deduct</i>	-24.70	
<i>For 7,500 PSI, Add</i>	45.77	
<i>For 9,000 PSI, Add</i>	140.94	
<i>For 10,500 PSI, Add</i>	196.16	
<i>For 12,000 PSI, Add</i>	261.54	
<b>34 73 33 00-0022 Bituminous Runway Paving And Repair <small>(34 73 33)</small></b>		
<b>34 73 33 00-0023 Bituminous Surface Courses <small>(34 73 33 00-0022)</small></b>		
34 73 33 00-0024 SY 1" Thick Surface Course .....	5.12	
Note: Includes placement, rolling, finishing and sweeping. See CSI section 02 41 13 13-0018 for bituminous removal.		
34 73 33 00-0025 SY 1-1/2" Thick Surface Course .....	7.51	
Note: Includes placement, rolling, finishing and sweeping. See CSI section 02 41 13 13-0018 for bituminous removal.		
34 73 33 00-0026 SY 2" Thick Surface Course .....	9.91	
Note: Includes placement, rolling, finishing and sweeping. See CSI section 02 41 13 13-0018 for bituminous removal.		
34 73 33 00-0027 SY 2-1/2" Thick Surface Course .....	11.95	
Note: Includes placement, rolling, finishing and sweeping. See CSI section 02 41 13 13-0018 for bituminous removal.		
34 73 33 00-0028 SY 3" Thick Surface Course .....	14.00	
Note: Includes placement, rolling, finishing and sweeping. See CSI section 02 41 13 13-0018 for bituminous removal.		
<b>34 73 33 00-0029 Bituminous Surface Courses Repair <small>(34 73 33 00-0022)</small></b>		
Note: Excludes saw-cutting, breakup and removal. See CSI section 02 41 13 13-0018 for bituminous removal.		
34 73 33 00-0030 SY 1" Thick Surface Course Repair .....	5.50	
Note: Includes placement, rolling, finishing and sweeping.		
<i>For Up To 100, Add</i>	1.85	
<i>For &gt;100 To 250, Add</i>	1.11	
<i>For &gt;250 To 500, Add</i>	0.55	
34 73 33 00-0031 SY 1-1/2" Thick Surface Course Repair .....	8.03	
Note: Includes placement, rolling, finishing and sweeping.		
<i>For Up To 100, Add</i>	2.64	
<i>For &gt;100 To 250, Add</i>	1.59	
<i>For &gt;250 To 500, Add</i>	0.80	
34 73 33 00-0032 SY 2" Thick Surface Course Repair .....	10.58	
Note: Includes placement, rolling, finishing and sweeping.		
<i>For Up To 100, Add</i>	3.44	
<i>For &gt;100 To 250, Add</i>	2.09	
<i>For &gt;250 To 500, Add</i>	1.04	
34 73 33 00-0033 SY 2-1/2" Thick Surface Course Repair .....	12.67	
Note: Includes placement, rolling, finishing and sweeping.		
<i>For Up To 100, Add</i>	3.97	
<i>For &gt;100 To 250, Add</i>	2.44	
<i>For &gt;250 To 500, Add</i>	1.22	

<b>34</b>	<b>Transportation</b>
<b>34 70</b>	<b>Transportation Construction And Equipment</b>
<b>34 73</b>	<b>Airfield Construction</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 73 33 00-0034 SY 3" Thick Surface Course Repair.....	14.85	
Note: Includes placement, rolling, finishing and sweeping.		
For Up To 100, Add	4.55	
For >100 To 250, Add	2.82	
For >250 To 500, Add	1.41	
<b>34 73 33 00-0035 Runway Pavement Markings (34 73 33)</b>		
<b>34 73 33 00-0036 Polyester/Acrylic Reflective Runway Pavement Markings (34 73 33 00-0035)</b>		
34 73 33 00-0037 LF 4" Wide Polyester/Acrylic Reflective Runway Pavement Striping .....	0.30	
34 73 33 00-0038 LF 6" Wide Polyester/Acrylic Reflective Runway Pavement Striping .....	0.42	
34 73 33 00-0039 LF 8" Wide Polyester/Acrylic Reflective Runway Pavement Striping .....	0.55	
34 73 33 00-0040 LF 12" Wide Polyester/Acrylic Reflective Runway Pavement Striping .....	0.79	
34 73 33 00-0041 EA 6" Polyester/Acrylic Reflectorized Runway Pavement Letter .....	1.99	
For <10, Add	0.26	
For >50 To 100, Deduct	-0.13	
For >100 To 200, Deduct	-0.17	
For >200, Deduct	-0.34	
34 73 33 00-0042 EA 12" Polyester/Acrylic Reflectorized Runway Pavement Letter .....	3.67	
For <10, Add	0.39	
For >50 To 100, Deduct	-0.19	
For >100 To 200, Deduct	-0.26	
For >200, Deduct	-0.52	
34 73 33 00-0043 EA 24" Polyester/Acrylic Reflectorized Runway Pavement Letter .....	8.64	
For <10, Add	0.65	
For >50 To 100, Deduct	-0.32	
For >100 To 200, Deduct	-0.43	
For >200, Deduct	-0.86	
34 73 33 00-0044 EA 36" Polyester/Acrylic Reflectorized Runway Pavement Letter .....	18.34	
For <10, Add	1.29	
For >50 To 100, Deduct	-0.65	
For >100 To 200, Deduct	-0.86	
For >200, Deduct	-1.73	
34 73 33 00-0045 EA 48" Polyester/Acrylic Reflectorized Runway Pavement Letter .....	26.95	
For <10, Add	1.45	
For >50 To 100, Deduct	-0.73	
For >100 To 200, Deduct	-0.97	
For >200, Deduct	-1.94	
34 73 33 00-0046 EA 72" Polyester/Acrylic Reflectorized Runway Pavement Letter .....	56.07	
For <10, Add	2.58	
For >50 To 100, Deduct	-1.29	
For >100 To 200, Deduct	-1.72	
For >200, Deduct	-3.44	
34 73 33 00-0047 EA 96" Polyester/Acrylic Reflectorized Runway Pavement Letter .....	92.19	
For <10, Add	3.47	
For >50 To 100, Deduct	-1.73	
For >100 To 200, Deduct	-2.31	
For >200, Deduct	-4.62	
34 73 33 00-0048 EA 120" Polyester/Acrylic Reflectorized Runway Pavement Letter .....	136.58	
For <10, Add	4.30	
For >50 To 100, Deduct	-2.15	
For >100 To 200, Deduct	-2.87	
For >200, Deduct	-5.73	
34 73 33 00-0049 SF Polyester/Acrylic Reflective Runway Pavement Striping For Areas >12" Wide .....	0.87	
34 73 33 00-0050 SF Polyester/Acrylic Reflectorized Runway Pavement Markings, Symbols .....	4.26	
<b>34 73 33 00-0051 Remove Reflective Markings From Runway (34 73 33 00-0035)</b>		
Note: Includes vacuuming of removed striped area and containment of debris. Excludes disposal.		
34 73 33 00-0052 EA Initial Set Up And Final Equipment Removal For Stripe Removal From Runways.....	6,328.88	
34 73 33 00-0053 LF Removal Of 4" Runway Pavement Stripe .....	2.44	
34 73 33 00-0054 LF Removal Of 6" Runway Pavement Stripe .....	3.02	
34 73 33 00-0055 LF Removal Of 8" Runway Pavement Stripe .....	3.66	
34 73 33 00-0056 LF Removal Of 12" Runway Pavement Stripe .....	4.51	
34 73 33 00-0057 SF Removal Of Runway Pavement Letters And Symbols.....	4.51	
<b>34 73 33 00-0058 Runway Pavement Rubber Or Paint Removal (34 73 33)</b>		
Note: Mechanical rubber removal equipment includes waterblasting, shotblasting, sandblasting, or other approved nonchemical systems. Control equipment to be used on asphalt or tar concrete to remove rubber accumulations and minimize disturbance to asphalt or tar mixtures. Equipment to be used on portland cement concretes shall be controlled to remove rubber accumulations and prevent removal of hardened paste from the concrete. Recovery of debris and disposal to a dumpster.		
34 73 33 00-0059 EA Initial Set Up And Final Equipment Removal For Rubber Or Paint Removal From Runways .....	15,083.82	
34 73 33 00-0060 SF Removal Of Rubber From Runways .....	0.08	
34 73 33 00-0061 SF Removal Of Paint From Runway Center Line And Edge Stripes .....	0.80	
34 73 33 00-0062 SF Removal Of Paint From Runway Areas Other Than Center Line And Edge Stripes.....	2.00	
<b>34 73 33 00-0063 Runway Pavement Friction Testing (34 73 33)</b>		
34 73 33 00-0064 EA Friction Testing Of Runways .....	3,891.84	
Note: Includes mobilization of personnel and equipment necessary and report preparation for each test.		



<b>Transportation</b>	<b>34</b>	
<b>Bridges</b>	<b>34 80</b>	<b>34</b>
<b>Airfield Construction</b>	<b>34 73</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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### 34 80 Bridges <sup>(34)</sup>

#### 34 82 Bridge Specialties <sup>(34 80)</sup>

##### 34 82 23 Bridge Railing <sup>(34 82)</sup>

###### 34 82 23 00-0001

###### Metal Bridge Railing <sup>(34 82 23)</sup>

Note: Includes hardware for bridge rail mounting.

34 82 23 00-0002	LF	2" x 2" x 1/8" Bridge Railing.....	25.62	2.25
34 82 23 00-0003	LF	3" x 3" x 5/16" Bridge Railing.....	46.14	3.50
34 82 23 00-0004	LF	5" x 3" x 1/4" Bridge Railing.....	58.08	5.13
34 82 23 00-0005	LF	6" x 6" x 3/16" Bridge Railing.....	75.93	6.47
34 82 23 00-0006	LF	5" Outside Diameter x 1/4" Bridge Railing.....	62.20	4.98

###### 34 82 23 00-0007

###### Bridge Post <sup>(34 82 23)</sup>

Note: Includes hardware for bridge post mounting.

34 82 23 00-0008	EA	6" x 9" x 5'-6" Bridge Post.....	97.49	22.12
34 82 23 00-0009	EA	6" x 9" x 7' Bridge Post.....	130.07	23.50
34 82 23 00-0010	EA	Two Rail With Base Plate Bridge Post Assembly.....	327.36	41.46
34 82 23 00-0011	EA	Two Rail With Curb Bridge Post Assembly.....	416.66	44.23
34 82 23 00-0012	EA	Two Rail (Curbless) Bridge Post Assembly.....	371.71	44.23
34 82 23 00-0013	EA	Two Rail With Optional Handrail Bridge Post Assembly.....	467.40	44.23
34 82 23 00-0014	EA	Three Rail With Base Plate Bridge Post Assembly.....	336.62	44.23
34 82 23 00-0015	EA	Three Rail With Curb Bridge Post Assembly.....	490.71	45.61
34 82 23 00-0016	EA	Three Rail (Curbless) Bridge Post Assembly.....	478.86	45.61
34 82 23 00-0017	EA	Three Rail With Optional Handrail Bridge Post Assembly.....	613.42	45.61
34 82 23 00-0018	EA	Four Rail (Curbless) With Base Plate Bridge Post.....	379.13	46.99
34 82 23 00-0019	EA	Four Rail With Base Plate (Sidewalk Type) Bridge Post.....	379.26	46.99
34 82 23 00-0020	EA	Four Rail With Curb Bridge Post Assembly.....	619.76	46.99
34 82 23 00-0021	EA	Four Rail (Curbless) Bridge Post Assembly.....	639.30	46.99
34 82 23 00-0022	EA	Five Rail With Base Plate (Curbless) Bridge Post Assembly.....	427.25	49.75

###### 34 82 23 00-0023

###### Bridge Railing Splices <sup>(34 82 23)</sup>

Note: Includes hardware for splices.

34 82 23 00-0024	EA	5" Outside Diameter Bridge Railing Splice.....	198.40	10.45
34 82 23 00-0025	EA	5" x 3" Bridge Railing Splice.....	111.15	9.15
34 82 23 00-0026	EA	3" x 3" Bridge Railing Splice.....	66.27	6.54
34 82 23 00-0027	EA	2" x 2" Bridge Railing Splice.....	30.53	4.70
34 82 23 00-0028	EA	5" x 5" x 3' Expansion Splice Tube.....	145.57	10.11
34 82 23 00-0029	EA	4" x 2" x 3' Expansion Splice Bar.....	156.55	10.11
34 82 23 00-0030	EA	5" x 5" x 2' Fixed Splice Tube.....	131.12	10.11
34 82 23 00-0031	EA	4" x 2" x 2' Fixed Splice Bar.....	135.09	10.11
34 82 23 00-0032	EA	6" x 6" x 3/16" Box x 9' Flare Tube.....	196.53	13.65

###### 34 82 23 00-0033

###### Transition For Bridge Railing <sup>(34 82 23)</sup>

Note: Includes hardware for transition for bridge railing.

34 82 23 00-0034	EA	Two Rail Box Beam To Bridge Transition With Splices.....	806.81	55.28
34 82 23 00-0035	EA	Three Rail Box Beam To Bridge Transition With Splices.....	860.27	58.04
34 82 23 00-0036	EA	Four Rail Box Beam To Bridge Transition With Splices.....	1,017.80	60.81
34 82 23 00-0037	EA	6" x 6" x 16'-1/2' Bottom Transition Tube.....	331.72	27.64
34 82 23 00-0038	EA	6" x 6" x 22' Bottom Transition Tube.....	416.74	30.41
34 82 23 00-0039	EA	8" x 6" x 16'-1/2' Bottom Transition Tube.....	396.38	27.64
34 82 23 00-0040	EA	6" x 6" x 16'-1/2' Top Transition Tube.....	341.44	27.64
34 82 23 00-0041	EA	6" x 6" x 21'-1/2' Top Transition Tube.....	408.71	30.41
34 82 23 00-0042	EA	8" x 6" x 16'-1/2' Top Transition Tube.....	408.44	27.64
34 82 23 00-0043	EA	6" x 6" x 16'-1/2' Middle Transition Tube.....	318.39	27.64
34 82 23 00-0044	EA	8" x 6" x 16'-1/2' Middle Transition Tube.....	402.41	27.64

###### 34 82 23 00-0045

###### Anchor Plates And End Caps For Bridge Railing <sup>(34 82 23)</sup>

34 82 23 00-0046	EA	14" x 14" Bridge Railing Anchor Plate.....	35.54	2.61
34 82 23 00-0047	EA	18" x 22" Deck Anchor Plate.....	220.19	13.07
34 82 23 00-0048	EA	2" x 2" Bridge Railing End Cap.....	30.58	1.31
34 82 23 00-0049	EA	3" x 3" Bridge Railing End Cap.....	18.10	1.31
34 82 23 00-0050	EA	5" O.D Bridge Railing End Cap.....	17.95	1.31

#### 34 82 26 Bridge Slope Protection <sup>(34 82)</sup>

###### 34 82 26 00-0001

###### Bridge Slope Protection <sup>(34 82 26)</sup>

Note: Solid concrete masonry unit installed in sand bedding.

34 82 26 00-0002	SF	8" x 16" x 4" Solid Concrete Block, Bridge Slope Protection.....	7.23	2.57
34 82 26 00-0003	SF	8" x 16" x 6" Solid Concrete Block, Bridge Slope Protection.....	8.79	2.83
34 82 26 00-0004	SF	8" x 16" x 8" Solid Concrete Block, Bridge Slope Protection.....	9.80	3.00

#### 34 82 29 Bridge Drainage <sup>(34 82)</sup>



**34 Transportation****34 80 Bridges****34 82 Bridge Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>34 82 29 00-0001</b> <b>Bridge Scuppers</b> <small>(34 82 29)</small> Note: Includes anchors and hardware. Excludes formwork and concrete for setting replacement scupper. Demolition includes saw cutting and concrete removal. As manufactured by Syracuse Castings.		
34 82 29 00-0002    EA    Type A2, 18-1/2" x 6-7/8" Galvanized Steel Bridge Scupper .....	1,727.08	79.82
34 82 29 00-0003    EA    Type B2, 22-1/3" x 18-3/4" Galvanized Steel Bridge Scupper, With Grate .....	2,468.42	99.76
34 82 29 00-0004    EA    21-1/8" x 17-1/2" Galvanized Steel Grate For Type B2 Scupper .....	288.37	9.97
34 82 29 00-0005    EA    2" Bridge Scupper Pavement Riser .....	543.21	
 <b>34 82 29 00-0006</b> <b>Bridge Downspout</b> <small>(34 82 29)</small> Note: Includes anchors and hardware.		
34 82 29 00-0007    LF    7" x 5" x 1/2" Galvanized Steel Bridge Downspout .....	98.99	3.93
34 82 29 00-0008    LF    6" x 6" x 1/2" Galvanized Steel Bridge Downspout .....	98.99	3.93

**END OF SECTION 34**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 35 Waterway and Marine Construction

### 35 20 Waterway and Marine Construction and Equipment <sup>(35)</sup>

#### 35 22 Hydraulic Gates <sup>(35 20)</sup>

##### 35 22 26 Sluice Gates <sup>(35 22)</sup>

##### 35 22 26 00-0001 Heavy Duty Cast Iron Sluice Gates Self Contained <sup>(35 22 26)</sup>

Note: Includes crank operated geared gate lift, anchor bolts, and grouting.

35 22 26 00-0002	EA	18" x 18" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	7,290.25	
		For Electric Motor Operated Valve, Add	987.16	
35 22 26 00-0003	EA	24" x 24" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	10,412.14	1,028.67
		For Electric Motor Operated Valve, Add	1,055.73	
35 22 26 00-0004	EA	30" x 30" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	12,655.41	1,175.62
		For Electric Motor Operated Valve, Add	1,085.13	
35 22 26 00-0005	EA	36" x 36" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	14,467.45	1,285.84
		For Electric Motor Operated Valve, Add	1,107.17	
35 22 26 00-0006	EA	42" x 42" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	16,219.60	1,469.52
		For Electric Motor Operated Valve, Add	1,143.91	
35 22 26 00-0007	EA	48" x 48" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	22,531.56	2,351.25
		For Electric Motor Operated Valve, Add	1,320.25	
35 22 26 00-0008	EA	54" x 54" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	30,146.66	2,939.06
		For Electric Motor Operated Valve, Add	1,437.81	
35 22 26 00-0009	EA	60" x 60" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	34,865.51	3,894.25
		For Electric Motor Operated Valve, Add	1,628.85	
35 22 26 00-0010	EA	66" x 66" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	43,214.26	5,143.35
		For Electric Motor Operated Valve, Add	1,878.67	
35 22 26 00-0011	EA	72" x 72" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	45,065.87	5,878.10
		For Electric Motor Operated Valve, Add	2,025.62	
35 22 26 00-0012	EA	78" x 78" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	51,011.32	5,878.10
		For Electric Motor Operated Valve, Add	2,425.62	
35 22 26 00-0013	EA	84" x 84" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	59,297.56	6,612.87
		For Electric Motor Operated Valve, Add	2,572.58	
35 22 26 00-0014	EA	90" x 90" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	71,964.10	7,817.18
		For Electric Motor Operated Valve, Add	2,813.44	
35 22 26 00-0015	EA	96" x 96" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	81,489.27	8,189.43
		For Electric Motor Operated Valve, Add	2,887.89	
35 22 26 00-0016	EA	108" x 108" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	101,264.44	9,678.42
		For Electric Motor Operated Valve, Add	3,185.68	
35 22 26 00-0017	EA	120" x 120" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	125,132.63	11,911.90
		For Electric Motor Operated Valve, Add	3,632.38	
35 22 26 00-0018	EA	132" x 132" Heavy Duty Sluice Gates Self Contained With Crank Operated Gate.....	153,352.63	13,400.89
		For Electric Motor Operated Valve, Add	3,930.18	

##### 35 22 26 00-0019 Cast Iron, Sluice Gate <sup>(35 22 26)</sup>

35 22 26 00-0020	EA	4" Cast Iron, Sluice Gate (Troy (C.I.) A3500/04).....	1,139.65	104.77
35 22 26 00-0021	EA	6" Cast Iron, Sluice Gate (Troy (D.I.) A3500/06).....	1,692.12	117.47
35 22 26 00-0022	EA	8" Cast Iron, Sluice Gate (Troy (D.I.) A3500/08).....	2,149.83	148.63
35 22 26 00-0023	EA	12" Cast Iron, Sluice Gate (Troy (D.I.) A3500/12).....	4,559.21	220.69

##### 35 22 26 00-0024 Cast Iron, Sluice Gate, Frame Assembly Only (Rodney Hunt) <sup>(35 22 26)</sup>

Note: Frame Assembly Only

35 22 26 00-0025	EA	24" x 24" Cast Iron Sluice Gate, Frame Assembly Only.....	14,219.00	343.14
35 22 26 00-0026	EA	30" x 30" Cast Iron Sluice Gate, Frame Assembly Only.....	17,224.12	411.47
35 22 26 00-0027	EA	36" x 36" Cast Iron Sluice Gate, Frame Assembly Only.....	21,220.43	514.33
35 22 26 00-0028	EA	48" x 48" Cast Iron Sluice Gate, Frame Assembly Only.....	32,877.45	1,028.67
35 22 26 00-0029	EA	60" x 60" Cast Iron Sluice Gate, Frame Assembly Only.....	46,925.96	2,057.34
35 22 26 00-0030	EA	72" x 72" Cast Iron Sluice Gate, Frame Assembly Only.....	63,655.68	3,429.14
35 22 26 00-0031	EA	84" x 84" Cast Iron Sluice Gate, Frame Assembly Only.....	100,459.64	5,069.87
35 22 26 00-0032	Day	Start Up And Training, Frame Assembly, Cast Iron Sluice Gate.....	2,003.36	

##### 35 22 26 00-0033 Stainless Steel, Sluice Gate <sup>(35 22 26)</sup>

35 22 26 00-0034	EA	4" Stainless Steel, Sluice Gate Valve (Troy A3500/04).....	1,946.06	104.77
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##### 35 22 26 00-0035 Cast Iron, Shear Gates <sup>(35 22 26)</sup>

35 22 26 00-0036	EA	4" Cast Iron, Shear Gate (Troy A25206/04).....	563.86	104.77
35 22 26 00-0037	EA	6" Cast Iron, Shear Gate (Troy A25206/06).....	643.48	117.47
35 22 26 00-0038	EA	8" Cast Iron, Shear Gate (Troy A25206/08).....	839.79	148.63
35 22 26 00-0039	EA	10" Cast Iron, Shear Gate (Troy A25206/10).....	1,072.64	182.07
35 22 26 00-0040	EA	12" Cast Iron, Shear Gate (Troy A25206/12).....	1,349.22	220.69
35 22 26 00-0041	EA	14" Cast Iron, Shear Gate (Troy A25206/14).....	3,072.14	278.08
35 22 26 00-0042	EA	16" Cast Iron, Shear Gate (Troy A25206/16).....	3,758.09	611.77
35 22 26 00-0043	EA	18" Cast Iron, Shear Gate (Troy A25206/18).....	3,629.57	339.25
35 22 26 00-0044	EA	20" Cast Iron, Shear Gate (Troy A25206/20).....	4,904.12	382.35

<b>35</b>	<b>Waterway and Marine Construction</b>
<b>35 20</b>	<b>Waterway and Marine Construction and Equipment</b>
<b>35 22</b>	<b>Hydraulic Gates</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 22 26 00-0045 EA 24" Cast Iron, Shear Gate (Troy A25206/24).....	6,247.74	469.26
35 22 26 00-0046 EA 30" Cast Iron, Shear Gate (Troy A25206/30).....	8,537.31	805.85
<b>35 22 26 00-0047 Stainless Steel, Slide Gates (Fontaine Aquanox) (35 22 26)</b>		
Note: Includes crank operated geared gate lift, anchor bolts, and grouting.		
35 22 26 00-0048 EA 12"x 12", Open Frame, Rising Stem, Slide Gate (Fontaine-Aquanox 204-P2X-12x12-A-CW-30).....	10,470.81	440.86
For Gearbox And Crank, Add	867.76	
For Extended Stem, Add	31.69	
For Wall Bracket, Add	491.80	
35 22 26 00-0049 EA 16"x 16", Open Frame, Rising Stem, Slide Gate (Fontaine-Aquanox 204-P2X-16x16-A-CW-30).....	11,552.71	587.81
For Gearbox And Crank, Add	867.76	
For Extended Stem, Add	30.60	
For Wall Bracket, Add	491.80	
35 22 26 00-0050 EA 18"x 18", Open Frame, Rising Stem, Slide Gate (Fontaine-Aquanox 204-P2X-18x18-A-CW-30).....	12,116.46	685.53
For Gearbox And Crank, Add	867.76	
For Extended Stem, Add	29.51	
For Wall Bracket, Add	491.80	
35 22 26 00-0051 EA 20"x 20", Open Frame, Rising Stem, Slide Gate With Pedestal Mounted Gearbox And Crank (Fontaine-Aquanox 204-P2X-20x20-A-CW-30).....	14,490.25	881.71
For Extended Stem, Add	36.07	
For Wall Bracket, Add	546.45	
35 22 26 00-0052 EA 24"x 24", Open Frame, Rising Stem, Slide Gate With Pedestal Mounted Gearbox And Crank (Fontaine-Aquanox 204-P2X-24x24-A-CW-30).....	15,722.96	1,028.67
For Extended Stem, Add	36.07	
For Wall Bracket, Add	546.45	
35 22 26 00-0053 EA 30"x 30", Open Frame, Rising Stem, Slide Gate With Pedestal Mounted Gearbox And Crank (Fontaine-Aquanox 204-P2X-30x30-A-CW-30).....	17,389.55	1,175.62
For Extended Stem, Add	36.07	
For Wall Bracket, Add	546.45	
35 22 26 00-0054 EA 36"x 36", Open Frame, Rising Stem, Slide Gate With Pedestal Mounted Gearbox And Crank (Fontaine-Aquanox 204-P2X-36x36-A-CW-30).....	19,380.47	1,285.84
For Extended Stem, Add	38.25	
For Wall Bracket, Add	546.45	
35 22 26 00-0055 EA 42"x 42", Open Frame, Rising Stem, Slide Gate With Pedestal Mounted Gearbox And Crank (Fontaine-Aquanox 204-P2X-42x42-A-CW-30).....	22,111.80	1,469.52
For Extended Stem, Add	122.40	
For Wall Bracket, Add	546.45	
35 22 26 00-0056 EA 48"x 48", Open Frame, Rising Stem, Slide Gate With Pedestal Mounted Gearbox And Crank (Fontaine-Aquanox 204-P2X-48x48-A-CW-30).....	27,639.18	2,351.25
For Extended Stem, Add	120.22	
For Wall Bracket, Add	1,306.02	
35 22 26 00-0057 EA 54"x 54", Open Frame, Rising Stem, Slide Gate With Pedestal Mounted Gearbox And Crank (Fontaine-Aquanox 204-P2X-54x54-A-CW-30).....	33,477.10	2,939.06
For Extended Stem, Add	169.40	
For Wall Bracket, Add	1,306.02	
35 22 26 00-0058 EA 60"x 60", Open Frame, Rising Stem, Slide Gate With Pedestal Mounted Gearbox And Crank (Fontaine-Aquanox 204-P2X-60x60-A-CW-30).....	38,088.05	3,894.25
For Extended Stem, Add	241.53	
For Wall Bracket, Add	3,142.09	
35 22 26 00-0059 EA 72"x 72", Open Frame, Rising Stem, Slide Gate With Pedestal Mounted Gearbox And Crank (Fontaine-Aquanox 204-P2X-72x72-A-CW-30).....	50,836.14	5,878.10
For Extended Stem, Add	369.40	
For Wall Bracket, Add	3,142.09	
35 22 26 00-0060 EA 84"x 84", Open Frame, Rising Stem, Slide Gate With Pedestal Mounted Gearbox And Crank (Fontaine-Aquanox 204-P2X-84x84-A-CW-30).....	59,924.26	6,612.87
For Extended Stem, Add	369.40	
For Wall Bracket, Add	3,142.09	
35 22 26 00-0061 EA 96"x 96", Open Frame, Rising Stem, Slide Gate With Pedestal Mounted Gearbox And Crank (Fontaine-Aquanox 204-P2X-96x96-A-CW-30).....	71,085.21	8,082.41
For Extended Stem, Add	462.30	
For Wall Bracket, Add	5,005.48	
35 22 26 00-0062 EA Factory Witnessed Testing Or Factory Inspections By DEP Personnel.....	1,049.18	
35 22 26 00-0063 EA Job Site Assistance Visit (2 Days On Site) By Factory Trained Technician For Start-up, Training Or Installation Inspection.....	5,300.56	
<b>35 22 73 Other Hydraulic Gates (35 22)</b>		
<b>35 22 73 00-0001 Steel Slide Gates Self Contained (35 22 73)</b>		
Note: Includes anchors and bolts.		
35 22 73 00-0002 EA 12" x 12" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting.....	2,921.49	257.17
For Electric Motor Operated Valve, Add	901.43	
35 22 73 00-0003 EA 18" x 18" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting.....	3,956.10	293.90
For Electric Motor Operated Valve, Add	908.78	
35 22 73 00-0004 EA 24" x 24" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting.....	4,504.33	342.92
For Electric Motor Operated Valve, Add	918.58	
35 22 73 00-0005 EA 30" x 30" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting.....	5,446.76	411.47
For Electric Motor Operated Valve, Add	932.29	
35 22 73 00-0006 EA 36" x 36" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting.....	6,985.96	514.33
For Electric Motor Operated Valve, Add	952.87	
35 22 73 00-0007 EA 42" x 42" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting.....	8,082.17	685.76
For Electric Motor Operated Valve, Add	987.16	
35 22 73 00-0008 EA 48" x 48" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting.....	10,967.30	1,028.67
For Electric Motor Operated Valve, Add	1,055.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 22 73 00-0009 EA 54" x 54" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting..... <i>For Electric Motor Operated Valve, Add</i>	17,001.64 1,107.17	1,285.84
35 22 73 00-0010 EA 60" x 60" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting..... <i>For Electric Motor Operated Valve, Add</i>	21,692.15 1,261.47	2,057.34
35 22 73 00-0011 EA 72" x 72" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting..... <i>For Electric Motor Operated Valve, Add</i>	26,612.96 1,535.78	3,428.92
35 22 73 00-0012 SF Over 36 SF Steel Slide Gates Self Contained Including Anchor..... <i>For Electric Motor Operated Valve, Add</i>	738.50 1,568.96	94.78
<b>35 22 73 00-0013 Stainless Steel, Slide Gates, Frame Assembly Only (35 22 73)</b>		
35 22 73 00-0014 EA 24" x 24" Stainless Steel Slide Gate, Frame Assembly Only.....	10,667.50	335.79
35 22 73 00-0015 EA 30" x 30" Stainless Steel Slide Gate, Frame Assembly Only.....	13,189.43	419.55
35 22 73 00-0016 EA 36" x 36" Stainless Steel Slide Gate, Frame Assembly Only.....	16,822.46	511.40
35 22 73 00-0017 EA 48" x 48" Stainless Steel Slide Gate, Frame Assembly Only.....	25,662.31	979.44
35 22 73 00-0018 EA 60" x 60" Stainless Steel Slide Gate, Frame Assembly Only.....	37,757.48	2,137.43
35 22 73 00-0019 EA 72" x 72" Stainless Steel Slide Gate, Frame Assembly Only.....	49,571.85	3,265.29
35 22 73 00-0020 EA 84" x 84" Stainless Steel Slide Gate, Frame Assembly Only.....	74,952.51	4,082.35
35 22 73 00-0021 Day Start Up And Training, Stainless Steel Slide Gate, Frame Assembly.....	2,003.36	
<b>35 22 73 00-0022 Cast Iron Canal Gates (35 22 73)</b>		
35 22 73 00-0023 EA 12" Diameter Cast Iron Canal Gates With Fabricated Frame..... <i>For Electric Motor Operated Valve, Add</i>	1,358.09 901.43	257.17
35 22 73 00-0024 EA 18" Diameter Cast Iron Canal Gates With Fabricated Frame..... <i>For Electric Motor Operated Valve, Add</i>	1,976.43 908.78	293.90
35 22 73 00-0025 EA 20" Diameter Cast Iron Canal Gates With Fabricated Frame..... <i>For Electric Motor Operated Valve, Add</i>	2,259.44 914.29	321.45
35 22 73 00-0026 EA 24" Diameter Cast Iron Canal Gates With Fabricated Frame..... <i>For Electric Motor Operated Valve, Add</i>	2,693.98 918.58	342.92
35 22 73 00-0027 EA 30" Diameter Cast Iron Canal Gates With Fabricated Frame..... <i>For Electric Motor Operated Valve, Add</i>	4,064.08 932.29	411.47
35 22 73 00-0028 EA 36" Diameter Cast Iron Canal Gates With Fabricated Frame..... <i>For Electric Motor Operated Valve, Add</i>	5,007.71 952.87	514.33
35 22 73 00-0029 EA 42" Diameter Cast Iron Canal Gates With Fabricated Frame..... <i>For Electric Motor Operated Valve, Add</i>	8,432.96 987.16	685.76
35 22 73 00-0030 EA 48" Diameter Cast Iron Canal Gates With Fabricated Frame..... <i>For Electric Motor Operated Valve, Add</i>	11,011.75 1,055.73	1,028.67
35 22 73 00-0031 EA 54" Diameter Cast Iron Canal Gates With Fabricated Frame..... <i>For Electric Motor Operated Valve, Add</i>	15,682.59 1,107.17	1,285.84
35 22 73 00-0032 EA 60" Diameter Cast Iron Canal Gates With Fabricated Frame..... <i>For Electric Motor Operated Valve, Add</i>	20,093.13 1,261.47	2,057.34
35 22 73 00-0033 EA 66" Diameter Cast Iron Canal Gates With Fabricated Frame..... <i>For Electric Motor Operated Valve, Add</i>	27,871.85 1,364.34	2,571.67
35 22 73 00-0034 EA 72" Diameter Cast Iron Canal Gates With Fabricated Frame..... <i>For Electric Motor Operated Valve, Add</i>	32,915.68 1,437.81	2,939.06
<b>35 22 73 00-0035 Aluminum Flap Gates (35 22 73)</b>		
35 22 73 00-0036 EA 18" Diameter Aluminum Flap Gates..... <i>For Electric Motor Operated Valve, Add</i>	2,954.40 901.43	257.17
35 22 73 00-0037 EA 20" Diameter Aluminum Flap Gates..... <i>For Electric Motor Operated Valve, Add</i>	3,303.18 905.10	275.54
35 22 73 00-0038 EA 24" Diameter Aluminum Flap Gates..... <i>For Electric Motor Operated Valve, Add</i>	3,648.61 908.78	293.90
35 22 73 00-0039 EA 30" Diameter Aluminum Flap Gates..... <i>For Electric Motor Operated Valve, Add</i>	5,024.19 918.58	342.92
35 22 73 00-0040 EA 36" Diameter Aluminum Flap Gates..... <i>For Electric Motor Operated Valve, Add</i>	6,247.53 932.29	411.47
35 22 73 00-0041 EA 42" Diameter Aluminum Flap Gates..... <i>For Electric Motor Operated Valve, Add</i>	8,938.29 952.87	514.33
35 22 73 00-0042 EA 48" Diameter Aluminum Flap Gates..... <i>For Electric Motor Operated Valve, Add</i>	11,260.58 987.16	685.76
35 22 73 00-0043 EA 54" Diameter Aluminum Flap Gates..... <i>For Electric Motor Operated Valve, Add</i>	14,370.77 1,055.73	1,028.67
35 22 73 00-0044 EA 60" Diameter Aluminum Flap Gates..... <i>For Electric Motor Operated Valve, Add</i>	18,843.58 1,143.91	1,469.52
35 22 73 00-0045 EA 66" Diameter Aluminum Flap Gates..... <i>For Electric Motor Operated Valve, Add</i>	24,148.63 1,261.47	2,057.34
35 22 73 00-0046 EA 72" Diameter Aluminum Flap Gates..... <i>For Electric Motor Operated Valve, Add</i>	29,593.67 1,437.81	2,939.06
<b>35 22 73 00-0047 Stainless Steel Flap Gates (35 22 73)</b>		
35 22 73 00-0048 EA 12" x 12" Stainless Steel Flap Gate..... <i>For Electric Motor Operated Valve, Add</i>	4,303.13 894.09	220.43
35 22 73 00-0049 EA 18" x 18" Stainless Steel Flap Gate..... <i>For Electric Motor Operated Valve, Add</i>	5,515.35 901.43	257.17
35 22 73 00-0050 EA 24" x 24" Stainless Steel Flap Gate..... <i>For Electric Motor Operated Valve, Add</i>	7,112.44 908.78	293.90
35 22 73 00-0051 EA 30" x 30" Stainless Steel Flap Gate..... <i>For Electric Motor Operated Valve, Add</i>	9,263.32 918.58	343.14

<b>35</b>	<b>Waterway and Marine Construction</b>
<b>35 20</b>	<b>Waterway and Marine Construction and Equipment</b>
<b>35 22</b>	<b>Hydraulic Gates</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 22 73 00-0052 EA 36" x 36" Stainless Steel Flap Gate .....	13,758.31	411.47
For Electric Motor Operated Valve, Add	932.29	
35 22 73 00-0053 EA 48" x 48" Stainless Steel Flap Gate .....	20,145.15	685.53
For Electric Motor Operated Valve, Add	987.16	
35 22 73 00-0054 EA 60" x 60" Stainless Steel Flap Gate .....	30,822.67	1,469.52
For Electric Motor Operated Valve, Add	1,143.91	
35 22 73 00-0055 EA 72" x 72" Stainless Steel Flap Gate .....	44,606.21	2,939.06
For Electric Motor Operated Valve, Add	1,437.81	
35 22 73 00-0056 EA 84" x 84" Stainless Steel Flap Gate .....	63,968.00	5,878.10
For Electric Motor Operated Valve, Add	2,025.62	
<b>35 22 73 00-0057 Cast Iron Flap Gates</b> <small>(35 22 73)</small>		
35 22 73 00-0058 EA 12" x 12" Cast Iron Flap Gate .....	7,644.55	275.54
For Electric Motor Operated Valve, Add	905.11	
35 22 73 00-0059 EA 18" x 18" Cast Iron Flap Gate .....	10,749.34	321.82
For Electric Motor Operated Valve, Add	914.29	
35 22 73 00-0060 EA 24" x 24" Cast Iron Flap Gate .....	13,730.25	367.38
For Electric Motor Operated Valve, Add	923.48	
35 22 73 00-0061 EA 30" x 30" Cast Iron Flap Gate .....	19,267.04	428.37
For Electric Motor Operated Valve, Add	935.72	
35 22 73 00-0062 EA 36" x 36" Cast Iron Flap Gate .....	21,752.90	514.33
For Electric Motor Operated Valve, Add	952.87	
35 22 73 00-0063 EA 48" x 48" Cast Iron Flap Gate .....	27,006.87	857.47
For Electric Motor Operated Valve, Add	1,021.45	
35 22 73 00-0064 EA 60" x 60" Cast Iron Flap Gate .....	46,218.21	1,616.48
For Electric Motor Operated Valve, Add	1,173.30	
35 22 73 00-0065 EA 72" x 72" Cast Iron Flap Gate .....	73,536.97	3,159.48
For Electric Motor Operated Valve, Add	1,481.90	
35 22 73 00-0066 EA 84" x 84" Cast Iron Flap Gate .....	85,097.63	6,172.02
For Electric Motor Operated Valve, Add	2,084.40	
<b>35 22 73 00-0067 Steel Knife Gates Including Handwheel Operator</b> <small>(35 22 73)</small>		
Note: ANSI 150 PSI. for hub, flange, or spigot ends.		
35 22 73 00-0068 EA 6" Diameter Knife Gates Including Handwheel Operator For Hub .....	1,297.69	93.79
For Electric Motor Operated Valve, Add	868.76	
35 22 73 00-0069 EA 8" Diameter Knife Gates Including Handwheel Operator For Hub .....	1,752.54	109.40
For Electric Motor Operated Valve, Add	871.88	
35 22 73 00-0070 EA 10" Diameter Knife Gates Including Handwheel Operator For Hub .....	2,457.91	164.13
For Electric Motor Operated Valve, Add	882.83	
35 22 73 00-0071 EA 12" Diameter Knife Gates Including Handwheel Operator For Hub .....	3,063.97	218.86
For Electric Motor Operated Valve, Add	893.77	
35 22 73 00-0072 EA 14" Diameter Knife Gates Including Handwheel Operator For Hub .....	3,770.06	234.48
For Electric Motor Operated Valve, Add	896.90	
35 22 73 00-0073 EA 16" Diameter Knife Gates Including Handwheel Operator For Hub .....	4,904.55	252.49
For Electric Motor Operated Valve, Add	900.50	
35 22 73 00-0074 EA 18" Diameter Knife Gates Including Handwheel Operator For Hub .....	6,554.87	262.61
For Electric Motor Operated Valve, Add	902.52	
35 22 73 00-0075 EA 20" Diameter Knife Gates Including Handwheel Operator For Hub .....	8,209.85	298.45
For Electric Motor Operated Valve, Add	909.69	
35 22 73 00-0076 EA 24" Diameter Knife Gates Including Handwheel Operator For Hub .....	10,551.10	328.26
For Electric Motor Operated Valve, Add	915.65	
35 22 73 00-0077 EA 30" Diameter Knife Gates Including Handwheel Operator For Hub .....	19,279.79	437.67
For Electric Motor Operated Valve, Add	937.54	
35 22 73 00-0078 EA 36" Diameter Knife Gates Including Handwheel Operator For Hub .....	25,615.66	656.53
For Electric Motor Operated Valve, Add	981.31	
<b>35 22 73 00-0079 Steel Hollow Jet Flow Gate Valve</b> <small>(35 22 73)</small>		
35 22 73 00-0080 EA 6" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub .....	1,201.21	102.87
For Electric Motor Operated Valve, Add	870.57	
35 22 73 00-0081 EA 8" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub .....	1,878.58	120.14
For Electric Motor Operated Valve, Add	874.03	
35 22 73 00-0082 EA 10" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub .....	2,238.74	180.01
For Electric Motor Operated Valve, Add	886.00	
35 22 73 00-0083 EA 12" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub .....	2,849.18	239.90
For Electric Motor Operated Valve, Add	897.99	
35 22 73 00-0084 EA 14" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub .....	4,338.26	257.17
For Electric Motor Operated Valve, Add	901.43	
35 22 73 00-0085 EA 16" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub .....	5,248.51	277.01
For Electric Motor Operated Valve, Add	905.40	
35 22 73 00-0086 EA 18" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub .....	8,907.20	288.03
For Electric Motor Operated Valve, Add	907.61	
35 22 73 00-0087 EA 20" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub .....	11,219.20	327.34
For Electric Motor Operated Valve, Add	915.47	
35 22 73 00-0088 EA 24" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub .....	16,188.54	360.04
For Electric Motor Operated Valve, Add	922.02	
35 22 73 00-0089 EA 30" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub .....	19,811.81	480.16
For Electric Motor Operated Valve, Add	946.03	
35 22 73 00-0090 EA 36" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub .....	28,255.20	720.07
For Electric Motor Operated Valve, Add	993.99	
35 22 73 00-0091 EA 42" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub .....	33,663.01	881.71
For Electric Motor Operated Valve, Add	1,426.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 22 73 00-0092 EA 48" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	39,926.20 1,455.73	1,028.67
35 22 73 00-0093 EA 54" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	52,613.94 1,507.17	1,285.84
35 22 73 00-0094 EA 60" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	58,543.64 1,558.72	1,543.00
35 22 73 00-0095 EA 66" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub..... <i>For Electric Motor Operated Valve, Add</i>	74,631.40 1,676.48	2,130.81
<b>35 22 73 00-0096 Steel Dish Head Valve <small>(35 22 73)</small></b>		
35 22 73 00-0097 EA 12" Diameter Dish Head Valve .....	1,463.09	257.17
35 22 73 00-0098 EA 18" Diameter Dish Head Valve .....	2,149.24	293.90
35 22 73 00-0099 EA 20" Diameter Dish Head Valve .....	2,483.57	321.45
35 22 73 00-0100 EA 24" Diameter Dish Head Valve .....	2,943.91	342.92
35 22 73 00-0101 EA 30" Diameter Dish Head Valve .....	4,467.44	411.47
35 22 73 00-0102 EA 36" Diameter Dish Head Valve .....	5,502.91	514.33
35 22 73 00-0103 EA 42" Diameter Dish Head Valve .....	9,311.76	685.76
35 22 73 00-0104 EA 48" Diameter Dish Head Valve .....	12,126.13	1,028.67
35 22 73 00-0105 EA 54" Diameter Dish Head Valve .....	17,314.26	1,285.84
35 22 73 00-0106 EA 60" Diameter Dish Head Valve .....	22,081.67	2,057.34
35 22 73 00-0107 EA 66" Diameter Dish Head Valve .....	30,700.44	2,571.67
35 22 73 00-0108 EA 72" Diameter Dish Head Valve .....	37,260.23	3,428.92
<b>35 22 73 00-0109 Cast Iron Body Knife Gate Valves <small>(35 22 73)</small></b>		
<i>Note: With 316 stainless steel interior, handwheel operator and metal seat.</i>		
35 22 73 00-0110 EA 2" Knife Gate Valve, Cast Iron Body With Stainless Steel Interior, Handwheel And Metal Seat.....	307.57	94.39
35 22 73 00-0111 EA 3" Knife Gate Valve, Cast Iron Body With Stainless Steel Interior, Handwheel And Metal Seat.....	362.72	110.82
35 22 73 00-0112 EA 4" Knife Gate Valve, Cast Iron Body With Stainless Steel Interior, Handwheel And Metal Seat.....	462.00	185.79
35 22 73 00-0113 EA 6" Knife Gate Valve, Cast Iron Body With Stainless Steel Interior, Handwheel And Metal Seat.....	702.59	231.21
35 22 73 00-0114 EA 8" Knife Gate Valve, Cast Iron Body With Stainless Steel Interior, Handwheel And Metal Seat.....	936.87	265.89
35 22 73 00-0115 EA 10" Knife Gate Valve, Cast Iron Body With Stainless Steel Interior, Handwheel And Metal Seat.....	1,139.12	323.69
35 22 73 00-0116 EA 12" Knife Gate Valve, Cast Iron Body With Stainless Steel Interior, Handwheel And Metal Seat.....	1,499.58	393.05
<b>35 24 Dredging <small>(35 20)</small></b>		
<b>35 24 23 Clamshell Dredging <small>(35 24)</small></b>		
<b>35 24 23 00-0001 Dredging, Barge Mounted <small>(35 24 23)</small></b>		
<i>See CSI section 01 74 19 00-0032 for hauling material from shore or barge, 31 23 16 33-0019 for loading.</i>		
35 24 23 00-0002 EA Dredge Excavation Mobilization And Demobilization..... <i>For Inlet Rivers And Canals, Deduct</i>	12,224.43 -3,056.11	
35 24 23 00-0003 CY Barge Mounted Clamshell Excavation Into Scows, Dumping Up To 10 Miles .....	13.59	
<i>Note: Includes tugboat to move scows or barge.</i>		
35 24 23 00-0004 CY Barge Mounted Dragline Or Clamshell, Hopper Dumped, Pumped 1,000' To Shore .....	12.22	
<i>Note: Includes tugboat to move barge.</i>		
35 24 23 00-0005 CY Hydraulic Dredge Excavation Into Scows, Dumping Up To 10 Miles.....	13.53	
<i>Note: Includes tugboat to move scows or barge.</i>		
35 24 23 00-0006 CY Hydraulic Dredge Excavation, Pumped 1,000' To Shore.....	11.35	
<i>Note: Includes tugboat to move barge.</i>		
<b>35 24 26 Backhoe/Dipper Dredging <small>(35 24)</small></b>		
<b>35 24 26 00-0001 Dredging, Shoreline Excavators <small>(35 24 26)</small></b>		
35 24 26 00-0002 CY Back Hoe, 1 CY Bucket, Dredging From Shore.....	7.68	
35 24 26 00-0003 CY Hydraulic Excavator, 2 CY Bucket, Dredging From Shore.....	5.43	
<b>35 50 Marine Construction and Equipment <small>(35)</small></b>		
<b>35 51 Floating Construction <small>(35 50)</small></b>		
<b>35 51 13 Floating Piers <small>(35 51)</small></b>		
<b>35 51 13 23 Floating Wood Piers <small>(35 51 13)</small></b>		
35 51 13 23-0001 SF Floating Dock, Wood, Complete.....	28.94	
<b>35 51 13 29 Floating Aluminum Piers <small>(35 51 13)</small></b>		
35 51 13 29-0001 SF Floating Dock, Aluminum, Complete.....	63.04	
<b>35 52 Offshore Platform Construction <small>(35 50)</small></b>		
<b>35 52 13 Fixed Offshore Platform Construction <small>(35 52)</small></b>		
<b>35 52 13 00-0001 Fixed Docks <small>(35 52 13)</small></b>		
35 52 13 00-0002 SF Fixed Dock, Aluminum, Complete.....	54.05	
35 52 13 00-0003 SF Fixed Dock, Steel, Complete .....	54.43	

**35 Waterway and Marine Construction**

35 50 Marine Construction and Equipment

35 52 Offshore Platform Construction



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 52 13 00-0004 SF Fixed Dock, Wood, Complete .....		26.65

**END OF SECTION 35**



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 40 Process Interconnections

### 40 05 Common Work Results For Process Interconnections <sup>(40)</sup>

#### 40 05 19 Ductile Iron Process Pipe <sup>(40 05)</sup>

40 05 19 00-0001	Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Piping <sup>(40 05 19)</sup> <small>Note: 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be cement lined in accordance with ANSI/AWWA C104/A21.04. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-4062 for bolts, 40 05 19 00-4077 for gaskets.</small>		
40 05 19 00-0002	Flanged End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <sup>(40 05 19 00-0001)</sup>		
40 05 19 00-0003	4" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <sup>(40 05 19 00-0002)</sup>		
40 05 19 00-0004	EA 4" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	386.00	126.46
	For Class 52 Rating, Deduct	-21.38	
	For Class 54 Rating, Add	14.58	
	For Class 55 Rating, Add	32.41	
40 05 19 00-0005	EA 4" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	410.15	128.67
	For Class 52 Rating, Deduct	-23.67	
	For Class 54 Rating, Add	16.14	
	For Class 55 Rating, Add	35.87	
40 05 19 00-0006	EA 4" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	434.30	130.87
	For Class 52 Rating, Deduct	-25.96	
	For Class 54 Rating, Add	17.70	
	For Class 55 Rating, Add	39.34	
40 05 19 00-0007	EA 4" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	458.45	133.09
	For Class 52 Rating, Deduct	-28.25	
	For Class 54 Rating, Add	19.26	
	For Class 55 Rating, Add	42.81	
40 05 19 00-0008	EA 4" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	482.60	135.30
	For Class 52 Rating, Deduct	-30.54	
	For Class 54 Rating, Add	20.82	
	For Class 55 Rating, Add	46.28	
40 05 19 00-0009	EA 4" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	506.74	137.51
	For Class 52 Rating, Deduct	-32.82	
	For Class 54 Rating, Add	22.38	
	For Class 55 Rating, Add	49.74	
40 05 19 00-0010	EA 4" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	530.89	139.72
	For Class 52 Rating, Deduct	-35.11	
	For Class 54 Rating, Add	23.94	
	For Class 55 Rating, Add	53.21	
40 05 19 00-0011	EA 4" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	555.04	141.93
	For Class 52 Rating, Deduct	-37.40	
	For Class 54 Rating, Add	25.50	
	For Class 55 Rating, Add	56.68	
40 05 19 00-0012	EA 4" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	579.20	144.14
	For Class 52 Rating, Deduct	-39.69	
	For Class 54 Rating, Add	27.06	
	For Class 55 Rating, Add	60.15	
40 05 19 00-0013	EA 4" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	603.35	146.35
	For Class 52 Rating, Deduct	-41.98	
	For Class 54 Rating, Add	28.62	
	For Class 55 Rating, Add	63.61	
40 05 19 00-0014	EA 4" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	627.50	148.57
	For Class 52 Rating, Deduct	-44.26	
	For Class 54 Rating, Add	30.18	
	For Class 55 Rating, Add	67.08	
40 05 19 00-0015	EA 4" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	651.65	150.77
	For Class 52 Rating, Deduct	-46.55	
	For Class 54 Rating, Add	31.74	
	For Class 55 Rating, Add	70.55	
40 05 19 00-0016	EA 4" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	675.79	152.99
	For Class 52 Rating, Deduct	-48.84	
	For Class 54 Rating, Add	33.30	
	For Class 55 Rating, Add	74.01	
40 05 19 00-0017	EA 4" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	699.94	155.20
	For Class 52 Rating, Deduct	-51.13	
	For Class 54 Rating, Add	34.86	
	For Class 55 Rating, Add	77.48	
40 05 19 00-0018	EA 4" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	724.09	157.40
	For Class 52 Rating, Deduct	-53.42	
	For Class 54 Rating, Add	36.42	
	For Class 55 Rating, Add	80.95	
40 05 19 00-0019	EA 4" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	748.24	159.62
	For Class 52 Rating, Deduct	-55.70	
	For Class 54 Rating, Add	37.98	
	For Class 55 Rating, Add	84.42	



## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0020	EA		4" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	772.40	161.83
			<i>For Class 52 Rating, Deduct</i>	-57.99	
			<i>For Class 54 Rating, Add</i>	39.54	
			<i>For Class 55 Rating, Add</i>	87.88	
40 05 19 00-0021	EA		4" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	796.55	164.04
			<i>For Class 52 Rating, Deduct</i>	-60.28	
			<i>For Class 54 Rating, Add</i>	41.10	
			<i>For Class 55 Rating, Add</i>	91.35	
40 05 19 00-0022	EA		4" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	820.69	166.25
			<i>For Class 52 Rating, Deduct</i>	-62.57	
			<i>For Class 54 Rating, Add</i>	42.66	
			<i>For Class 55 Rating, Add</i>	94.82	
40 05 19 00-0023	EA		4" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	844.84	168.46
			<i>For Class 52 Rating, Deduct</i>	-64.86	
			<i>For Class 54 Rating, Add</i>	44.22	
			<i>For Class 55 Rating, Add</i>	98.29	
40 05 19 00-0024	EA		4" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	868.99	170.67
			<i>For Class 52 Rating, Deduct</i>	-67.14	
			<i>For Class 54 Rating, Add</i>	45.78	
			<i>For Class 55 Rating, Add</i>	101.75	
40 05 19 00-0025	EA		4" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	893.14	172.88
			<i>For Class 52 Rating, Deduct</i>	-69.43	
			<i>For Class 54 Rating, Add</i>	47.34	
			<i>For Class 55 Rating, Add</i>	105.22	
40 05 19 00-0026	EA		4" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	917.29	175.10
			<i>For Class 52 Rating, Deduct</i>	-71.72	
			<i>For Class 54 Rating, Add</i>	48.90	
			<i>For Class 55 Rating, Add</i>	108.69	
40 05 19 00-0027	EA		4" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	941.44	177.30
			<i>For Class 52 Rating, Deduct</i>	-74.01	
			<i>For Class 54 Rating, Add</i>	50.46	
			<i>For Class 55 Rating, Add</i>	112.16	
40 05 19 00-0028	EA		4" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	965.59	179.51
			<i>For Class 52 Rating, Deduct</i>	-76.30	
			<i>For Class 54 Rating, Add</i>	52.02	
			<i>For Class 55 Rating, Add</i>	115.62	
40 05 19 00-0029	EA		4" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	989.74	181.73
			<i>For Class 52 Rating, Deduct</i>	-78.58	
			<i>For Class 54 Rating, Add</i>	53.58	
			<i>For Class 55 Rating, Add</i>	119.09	
40 05 19 00-0030	EA		4" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,013.89	183.93
			<i>For Class 52 Rating, Deduct</i>	-80.87	
			<i>For Class 54 Rating, Add</i>	55.14	
			<i>For Class 55 Rating, Add</i>	122.56	
40 05 19 00-0031	EA		4" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,038.04	186.15
			<i>For Class 52 Rating, Deduct</i>	-83.16	
			<i>For Class 54 Rating, Add</i>	56.70	
			<i>For Class 55 Rating, Add</i>	126.03	
40 05 19 00-0032	EA		4" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,062.19	188.35
			<i>For Class 52 Rating, Deduct</i>	-85.45	
			<i>For Class 54 Rating, Add</i>	58.26	
			<i>For Class 55 Rating, Add</i>	129.49	
40 05 19 00-0033	EA		4" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,086.34	190.57
			<i>For Class 52 Rating, Deduct</i>	-87.74	
			<i>For Class 54 Rating, Add</i>	59.82	
			<i>For Class 55 Rating, Add</i>	132.96	
40 05 19 00-0034	EA		4" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,110.48	192.78
			<i>For Class 52 Rating, Deduct</i>	-90.02	
			<i>For Class 54 Rating, Add</i>	61.38	
			<i>For Class 55 Rating, Add</i>	136.43	
40 05 19 00-0035	EA		4" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,134.63	194.98
			<i>For Class 52 Rating, Deduct</i>	-92.31	
			<i>For Class 54 Rating, Add</i>	62.94	
			<i>For Class 55 Rating, Add</i>	139.89	
40 05 19 00-0036	EA		4" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,158.78	197.20
			<i>For Class 52 Rating, Deduct</i>	-94.60	
			<i>For Class 54 Rating, Add</i>	64.50	
			<i>For Class 55 Rating, Add</i>	143.36	
40 05 19 00-0037	EA		4" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,182.94	199.41
			<i>For Class 52 Rating, Deduct</i>	-96.89	
			<i>For Class 54 Rating, Add</i>	66.06	
			<i>For Class 55 Rating, Add</i>	146.83	
40 05 19 00-0038	EA		4" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,207.09	201.62
			<i>For Class 52 Rating, Deduct</i>	-99.18	
			<i>For Class 54 Rating, Add</i>	67.62	
			<i>For Class 55 Rating, Add</i>	150.30	
40 05 19 00-0039	EA		4" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,231.24	203.83
			<i>For Class 52 Rating, Deduct</i>	-101.46	
			<i>For Class 54 Rating, Add</i>	69.18	
			<i>For Class 55 Rating, Add</i>	153.76	
40 05 19 00-0040	EA		4" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,255.39	206.04
			<i>For Class 52 Rating, Deduct</i>	-103.75	
			<i>For Class 54 Rating, Add</i>	70.74	
			<i>For Class 55 Rating, Add</i>	157.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0041 EA 4" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,279.53	208.25
<i>For Class 52 Rating, Deduct</i>	-106.04	
<i>For Class 54 Rating, Add</i>	72.30	
<i>For Class 55 Rating, Add</i>	160.70	
40 05 19 00-0042 EA 4" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,303.68	210.46
<i>For Class 52 Rating, Deduct</i>	-108.33	
<i>For Class 54 Rating, Add</i>	73.86	
<i>For Class 55 Rating, Add</i>	164.17	
<b>40 05 19 00-0043 6" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0002)</small>		
40 05 19 00-0044 EA 6" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	488.38	159.18
<i>For Class 52 Rating, Deduct</i>	-27.19	
<i>For Class 54 Rating, Add</i>	18.54	
<i>For Class 55 Rating, Add</i>	41.21	
40 05 19 00-0045 EA 6" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	517.32	161.38
<i>For Class 52 Rating, Deduct</i>	-30.01	
<i>For Class 54 Rating, Add</i>	20.46	
<i>For Class 55 Rating, Add</i>	45.48	
40 05 19 00-0046 EA 6" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	546.27	163.60
<i>For Class 52 Rating, Deduct</i>	-32.82	
<i>For Class 54 Rating, Add</i>	22.38	
<i>For Class 55 Rating, Add</i>	49.74	
40 05 19 00-0047 EA 6" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	575.22	165.81
<i>For Class 52 Rating, Deduct</i>	-35.64	
<i>For Class 54 Rating, Add</i>	24.30	
<i>For Class 55 Rating, Add</i>	54.01	
40 05 19 00-0048 EA 6" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	604.17	168.02
<i>For Class 52 Rating, Deduct</i>	-38.46	
<i>For Class 54 Rating, Add</i>	26.22	
<i>For Class 55 Rating, Add</i>	58.28	
40 05 19 00-0049 EA 6" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	633.12	170.23
<i>For Class 52 Rating, Deduct</i>	-41.27	
<i>For Class 54 Rating, Add</i>	28.14	
<i>For Class 55 Rating, Add</i>	62.55	
40 05 19 00-0050 EA 6" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	662.08	172.44
<i>For Class 52 Rating, Deduct</i>	-44.09	
<i>For Class 54 Rating, Add</i>	30.06	
<i>For Class 55 Rating, Add</i>	66.81	
40 05 19 00-0051 EA 6" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	691.02	174.65
<i>For Class 52 Rating, Deduct</i>	-46.90	
<i>For Class 54 Rating, Add</i>	31.98	
<i>For Class 55 Rating, Add</i>	71.08	
40 05 19 00-0052 EA 6" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	719.97	176.86
<i>For Class 52 Rating, Deduct</i>	-49.72	
<i>For Class 54 Rating, Add</i>	33.90	
<i>For Class 55 Rating, Add</i>	75.35	
40 05 19 00-0053 EA 6" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	748.92	179.08
<i>For Class 52 Rating, Deduct</i>	-52.54	
<i>For Class 54 Rating, Add</i>	35.82	
<i>For Class 55 Rating, Add</i>	79.62	
40 05 19 00-0054 EA 6" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	777.87	181.28
<i>For Class 52 Rating, Deduct</i>	-55.35	
<i>For Class 54 Rating, Add</i>	37.74	
<i>For Class 55 Rating, Add</i>	83.88	
40 05 19 00-0055 EA 6" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	806.82	183.49
<i>For Class 52 Rating, Deduct</i>	-58.17	
<i>For Class 54 Rating, Add</i>	39.66	
<i>For Class 55 Rating, Add</i>	88.15	
40 05 19 00-0056 EA 6" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	835.77	185.71
<i>For Class 52 Rating, Deduct</i>	-60.98	
<i>For Class 54 Rating, Add</i>	41.58	
<i>For Class 55 Rating, Add</i>	92.42	
40 05 19 00-0057 EA 6" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	864.71	187.91
<i>For Class 52 Rating, Deduct</i>	-63.80	
<i>For Class 54 Rating, Add</i>	43.50	
<i>For Class 55 Rating, Add</i>	96.69	
40 05 19 00-0058 EA 6" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	893.67	190.13
<i>For Class 52 Rating, Deduct</i>	-66.62	
<i>For Class 54 Rating, Add</i>	45.42	
<i>For Class 55 Rating, Add</i>	100.95	
40 05 19 00-0059 EA 6" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	922.62	192.33
<i>For Class 52 Rating, Deduct</i>	-69.43	
<i>For Class 54 Rating, Add</i>	47.34	
<i>For Class 55 Rating, Add</i>	105.22	
40 05 19 00-0060 EA 6" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	951.57	194.54
<i>For Class 52 Rating, Deduct</i>	-72.25	
<i>For Class 54 Rating, Add</i>	49.26	
<i>For Class 55 Rating, Add</i>	109.49	
40 05 19 00-0061 EA 6" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	980.52	196.76
<i>For Class 52 Rating, Deduct</i>	-75.06	
<i>For Class 54 Rating, Add</i>	51.18	
<i>For Class 55 Rating, Add</i>	113.76	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0062	EA		6" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,009.47	198.96
			<i>For Class 52 Rating, Deduct</i>	-77.88	
			<i>For Class 54 Rating, Add</i>	53.10	
			<i>For Class 55 Rating, Add</i>	118.02	
40 05 19 00-0063	EA		6" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,038.42	201.18
			<i>For Class 52 Rating, Deduct</i>	-80.70	
			<i>For Class 54 Rating, Add</i>	55.02	
			<i>For Class 55 Rating, Add</i>	122.29	
40 05 19 00-0064	EA		6" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,067.36	203.39
			<i>For Class 52 Rating, Deduct</i>	-83.51	
			<i>For Class 54 Rating, Add</i>	56.94	
			<i>For Class 55 Rating, Add</i>	126.56	
40 05 19 00-0065	EA		6" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,096.31	205.60
			<i>For Class 52 Rating, Deduct</i>	-86.33	
			<i>For Class 54 Rating, Add</i>	58.86	
			<i>For Class 55 Rating, Add</i>	130.83	
40 05 19 00-0066	EA		6" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,125.26	207.81
			<i>For Class 52 Rating, Deduct</i>	-89.14	
			<i>For Class 54 Rating, Add</i>	60.78	
			<i>For Class 55 Rating, Add</i>	135.09	
40 05 19 00-0067	EA		6" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,154.22	210.02
			<i>For Class 52 Rating, Deduct</i>	-91.96	
			<i>For Class 54 Rating, Add</i>	62.70	
			<i>For Class 55 Rating, Add</i>	139.36	
40 05 19 00-0068	EA		6" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,183.17	212.23
			<i>For Class 52 Rating, Deduct</i>	-94.78	
			<i>For Class 54 Rating, Add</i>	64.62	
			<i>For Class 55 Rating, Add</i>	143.63	
40 05 19 00-0069	EA		6" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,212.12	214.44
			<i>For Class 52 Rating, Deduct</i>	-97.59	
			<i>For Class 54 Rating, Add</i>	66.54	
			<i>For Class 55 Rating, Add</i>	147.90	
40 05 19 00-0070	EA		6" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,241.06	216.66
			<i>For Class 52 Rating, Deduct</i>	-100.41	
			<i>For Class 54 Rating, Add</i>	68.46	
			<i>For Class 55 Rating, Add</i>	152.16	
40 05 19 00-0071	EA		6" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,270.01	218.86
			<i>For Class 52 Rating, Deduct</i>	-103.22	
			<i>For Class 54 Rating, Add</i>	70.38	
			<i>For Class 55 Rating, Add</i>	156.43	
40 05 19 00-0072	EA		6" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,298.96	221.07
			<i>For Class 52 Rating, Deduct</i>	-106.04	
			<i>For Class 54 Rating, Add</i>	72.30	
			<i>For Class 55 Rating, Add</i>	160.70	
40 05 19 00-0073	EA		6" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,327.91	223.29
			<i>For Class 52 Rating, Deduct</i>	-108.86	
			<i>For Class 54 Rating, Add</i>	74.22	
			<i>For Class 55 Rating, Add</i>	164.97	
40 05 19 00-0074	EA		6" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,356.86	225.49
			<i>For Class 52 Rating, Deduct</i>	-111.67	
			<i>For Class 54 Rating, Add</i>	76.14	
			<i>For Class 55 Rating, Add</i>	169.23	
40 05 19 00-0075	EA		6" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,385.82	227.71
			<i>For Class 52 Rating, Deduct</i>	-114.49	
			<i>For Class 54 Rating, Add</i>	78.06	
			<i>For Class 55 Rating, Add</i>	173.50	
40 05 19 00-0076	EA		6" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,414.76	229.92
			<i>For Class 52 Rating, Deduct</i>	-117.30	
			<i>For Class 54 Rating, Add</i>	79.98	
			<i>For Class 55 Rating, Add</i>	177.77	
40 05 19 00-0077	EA		6" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,443.71	232.13
			<i>For Class 52 Rating, Deduct</i>	-120.12	
			<i>For Class 54 Rating, Add</i>	81.90	
			<i>For Class 55 Rating, Add</i>	182.04	
40 05 19 00-0078	EA		6" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,472.66	234.34
			<i>For Class 52 Rating, Deduct</i>	-122.94	
			<i>For Class 54 Rating, Add</i>	83.82	
			<i>For Class 55 Rating, Add</i>	186.30	
40 05 19 00-0079	EA		6" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,501.61	236.55
			<i>For Class 52 Rating, Deduct</i>	-125.75	
			<i>For Class 54 Rating, Add</i>	85.74	
			<i>For Class 55 Rating, Add</i>	190.57	
40 05 19 00-0080	EA		6" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,530.56	238.76
			<i>For Class 52 Rating, Deduct</i>	-128.57	
			<i>For Class 54 Rating, Add</i>	87.66	
			<i>For Class 55 Rating, Add</i>	194.84	
40 05 19 00-0081	EA		6" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,559.51	240.97
			<i>For Class 52 Rating, Deduct</i>	-131.38	
			<i>For Class 54 Rating, Add</i>	89.58	
			<i>For Class 55 Rating, Add</i>	199.11	
40 05 19 00-0082	EA		6" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,588.45	243.19
			<i>For Class 52 Rating, Deduct</i>	-134.20	
			<i>For Class 54 Rating, Add</i>	91.50	
			<i>For Class 55 Rating, Add</i>	203.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>40 05 19 00-0083</b> 8" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0084 EA 8" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	672.16	203.39
<i>For Class 52 Rating, Deduct</i>	-40.04	
<i>For Class 54 Rating, Add</i>	27.30	
<i>For Class 55 Rating, Add</i>	60.68	
40 05 19 00-0085 EA 8" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	710.71	205.60
<i>For Class 52 Rating, Deduct</i>	-43.91	
<i>For Class 54 Rating, Add</i>	29.94	
<i>For Class 55 Rating, Add</i>	66.55	
40 05 19 00-0086 EA 8" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	749.26	207.81
<i>For Class 52 Rating, Deduct</i>	-47.78	
<i>For Class 54 Rating, Add</i>	32.58	
<i>For Class 55 Rating, Add</i>	72.41	
40 05 19 00-0087 EA 8" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	787.82	210.02
<i>For Class 52 Rating, Deduct</i>	-51.66	
<i>For Class 54 Rating, Add</i>	35.22	
<i>For Class 55 Rating, Add</i>	78.28	
40 05 19 00-0088 EA 8" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	826.37	212.23
<i>For Class 52 Rating, Deduct</i>	-55.53	
<i>For Class 54 Rating, Add</i>	37.86	
<i>For Class 55 Rating, Add</i>	84.15	
40 05 19 00-0089 EA 8" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	864.92	214.44
<i>For Class 52 Rating, Deduct</i>	-59.40	
<i>For Class 54 Rating, Add</i>	40.50	
<i>For Class 55 Rating, Add</i>	90.02	
40 05 19 00-0090 EA 8" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	903.46	216.66
<i>For Class 52 Rating, Deduct</i>	-63.27	
<i>For Class 54 Rating, Add</i>	43.14	
<i>For Class 55 Rating, Add</i>	95.89	
40 05 19 00-0091 EA 8" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	942.01	218.86
<i>For Class 52 Rating, Deduct</i>	-67.14	
<i>For Class 54 Rating, Add</i>	45.78	
<i>For Class 55 Rating, Add</i>	101.75	
40 05 19 00-0092 EA 8" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	980.56	221.07
<i>For Class 52 Rating, Deduct</i>	-71.02	
<i>For Class 54 Rating, Add</i>	48.42	
<i>For Class 55 Rating, Add</i>	107.62	
40 05 19 00-0093 EA 8" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,019.11	223.29
<i>For Class 52 Rating, Deduct</i>	-74.89	
<i>For Class 54 Rating, Add</i>	51.06	
<i>For Class 55 Rating, Add</i>	113.49	
40 05 19 00-0094 EA 8" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,057.66	225.49
<i>For Class 52 Rating, Deduct</i>	-78.76	
<i>For Class 54 Rating, Add</i>	53.70	
<i>For Class 55 Rating, Add</i>	119.36	
40 05 19 00-0095 EA 8" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,096.22	227.71
<i>For Class 52 Rating, Deduct</i>	-82.63	
<i>For Class 54 Rating, Add</i>	56.34	
<i>For Class 55 Rating, Add</i>	125.23	
40 05 19 00-0096 EA 8" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,134.76	229.92
<i>For Class 52 Rating, Deduct</i>	-86.50	
<i>For Class 54 Rating, Add</i>	58.98	
<i>For Class 55 Rating, Add</i>	131.09	
40 05 19 00-0097 EA 8" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,173.31	232.13
<i>For Class 52 Rating, Deduct</i>	-90.38	
<i>For Class 54 Rating, Add</i>	61.62	
<i>For Class 55 Rating, Add</i>	136.96	
40 05 19 00-0098 EA 8" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,211.86	234.34
<i>For Class 52 Rating, Deduct</i>	-94.25	
<i>For Class 54 Rating, Add</i>	64.26	
<i>For Class 55 Rating, Add</i>	142.83	
40 05 19 00-0099 EA 8" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,250.41	236.55
<i>For Class 52 Rating, Deduct</i>	-98.12	
<i>For Class 54 Rating, Add</i>	66.90	
<i>For Class 55 Rating, Add</i>	148.70	
40 05 19 00-0100 EA 8" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,288.96	238.76
<i>For Class 52 Rating, Deduct</i>	-101.99	
<i>For Class 54 Rating, Add</i>	69.54	
<i>For Class 55 Rating, Add</i>	154.56	
40 05 19 00-0101 EA 8" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,327.51	240.97
<i>For Class 52 Rating, Deduct</i>	-105.86	
<i>For Class 54 Rating, Add</i>	72.18	
<i>For Class 55 Rating, Add</i>	160.43	
40 05 19 00-0102 EA 8" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,366.05	243.19
<i>For Class 52 Rating, Deduct</i>	-109.74	
<i>For Class 54 Rating, Add</i>	74.82	
<i>For Class 55 Rating, Add</i>	166.30	
40 05 19 00-0103 EA 8" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,404.61	245.39
<i>For Class 52 Rating, Deduct</i>	-113.61	
<i>For Class 54 Rating, Add</i>	77.46	
<i>For Class 55 Rating, Add</i>	172.17	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0104	EA		8" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,443.16	247.60
			<i>For Class 52 Rating, Deduct</i>	-117.48	
			<i>For Class 54 Rating, Add</i>	80.10	
			<i>For Class 55 Rating, Add</i>	178.04	
40 05 19 00-0105	EA		8" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,481.71	249.82
			<i>For Class 52 Rating, Deduct</i>	-121.35	
			<i>For Class 54 Rating, Add</i>	82.74	
			<i>For Class 55 Rating, Add</i>	183.90	
40 05 19 00-0106	EA		8" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,520.26	252.02
			<i>For Class 52 Rating, Deduct</i>	-125.22	
			<i>For Class 54 Rating, Add</i>	85.38	
			<i>For Class 55 Rating, Add</i>	189.77	
40 05 19 00-0107	EA		8" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,558.81	254.24
			<i>For Class 52 Rating, Deduct</i>	-129.10	
			<i>For Class 54 Rating, Add</i>	88.02	
			<i>For Class 55 Rating, Add</i>	195.64	
40 05 19 00-0108	EA		8" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,597.36	256.45
			<i>For Class 52 Rating, Deduct</i>	-132.97	
			<i>For Class 54 Rating, Add</i>	90.66	
			<i>For Class 55 Rating, Add</i>	201.51	
40 05 19 00-0109	EA		8" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,635.90	258.66
			<i>For Class 52 Rating, Deduct</i>	-136.84	
			<i>For Class 54 Rating, Add</i>	93.30	
			<i>For Class 55 Rating, Add</i>	207.37	
40 05 19 00-0110	EA		8" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,674.45	260.87
			<i>For Class 52 Rating, Deduct</i>	-140.71	
			<i>For Class 54 Rating, Add</i>	95.94	
			<i>For Class 55 Rating, Add</i>	213.24	
40 05 19 00-0111	EA		8" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,713.01	263.08
			<i>For Class 52 Rating, Deduct</i>	-144.58	
			<i>For Class 54 Rating, Add</i>	98.58	
			<i>For Class 55 Rating, Add</i>	219.11	
40 05 19 00-0112	EA		8" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,751.56	265.29
			<i>For Class 52 Rating, Deduct</i>	-148.46	
			<i>For Class 54 Rating, Add</i>	101.22	
			<i>For Class 55 Rating, Add</i>	224.98	
40 05 19 00-0113	EA		8" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,790.11	267.50
			<i>For Class 52 Rating, Deduct</i>	-152.33	
			<i>For Class 54 Rating, Add</i>	103.86	
			<i>For Class 55 Rating, Add</i>	230.85	
40 05 19 00-0114	EA		8" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,828.66	269.72
			<i>For Class 52 Rating, Deduct</i>	-156.20	
			<i>For Class 54 Rating, Add</i>	106.50	
			<i>For Class 55 Rating, Add</i>	236.71	
40 05 19 00-0115	EA		8" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,867.20	271.92
			<i>For Class 52 Rating, Deduct</i>	-160.07	
			<i>For Class 54 Rating, Add</i>	109.14	
			<i>For Class 55 Rating, Add</i>	242.58	
40 05 19 00-0116	EA		8" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,905.75	274.13
			<i>For Class 52 Rating, Deduct</i>	-163.94	
			<i>For Class 54 Rating, Add</i>	111.78	
			<i>For Class 55 Rating, Add</i>	248.45	
40 05 19 00-0117	EA		8" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,944.30	276.35
			<i>For Class 52 Rating, Deduct</i>	-167.82	
			<i>For Class 54 Rating, Add</i>	114.42	
			<i>For Class 55 Rating, Add</i>	254.32	
40 05 19 00-0118	EA		8" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,982.85	278.55
			<i>For Class 52 Rating, Deduct</i>	-171.69	
			<i>For Class 54 Rating, Add</i>	117.06	
			<i>For Class 55 Rating, Add</i>	260.19	
40 05 19 00-0119	EA		8" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,021.41	280.77
			<i>For Class 52 Rating, Deduct</i>	-175.56	
			<i>For Class 54 Rating, Add</i>	119.70	
			<i>For Class 55 Rating, Add</i>	266.05	
40 05 19 00-0120	EA		8" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,059.96	282.98
			<i>For Class 52 Rating, Deduct</i>	-179.43	
			<i>For Class 54 Rating, Add</i>	122.34	
			<i>For Class 55 Rating, Add</i>	271.92	
40 05 19 00-0121	EA		8" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,098.50	285.19
			<i>For Class 52 Rating, Deduct</i>	-183.30	
			<i>For Class 54 Rating, Add</i>	124.98	
			<i>For Class 55 Rating, Add</i>	277.79	
40 05 19 00-0122	EA		8" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,137.05	287.40
			<i>For Class 52 Rating, Deduct</i>	-187.18	
			<i>For Class 54 Rating, Add</i>	127.62	
			<i>For Class 55 Rating, Add</i>	283.66	
40 05 19 00-0123			<b>10" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small></b>		
40 05 19 00-0124	EA		10" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	842.36	247.60
			<i>For Class 52 Rating, Deduct</i>	-51.39	
			<i>For Class 54 Rating, Add</i>	35.04	
			<i>For Class 55 Rating, Add</i>	77.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0125 EA 10" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	892.11	249.82
<i>For Class 52 Rating, Deduct</i>	-56.50	
<i>For Class 54 Rating, Add</i>	38.52	
<i>For Class 55 Rating, Add</i>	85.62	
40 05 19 00-0126 EA 10" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	941.86	252.02
<i>For Class 52 Rating, Deduct</i>	-61.60	
<i>For Class 54 Rating, Add</i>	42.00	
<i>For Class 55 Rating, Add</i>	93.35	
40 05 19 00-0127 EA 10" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	991.61	254.24
<i>For Class 52 Rating, Deduct</i>	-66.70	
<i>For Class 54 Rating, Add</i>	45.48	
<i>For Class 55 Rating, Add</i>	101.09	
40 05 19 00-0128 EA 10" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,041.36	256.45
<i>For Class 52 Rating, Deduct</i>	-71.81	
<i>For Class 54 Rating, Add</i>	48.96	
<i>For Class 55 Rating, Add</i>	108.82	
40 05 19 00-0129 EA 10" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,091.10	258.66
<i>For Class 52 Rating, Deduct</i>	-76.91	
<i>For Class 54 Rating, Add</i>	52.44	
<i>For Class 55 Rating, Add</i>	116.56	
40 05 19 00-0130 EA 10" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,140.85	260.87
<i>For Class 52 Rating, Deduct</i>	-82.02	
<i>For Class 54 Rating, Add</i>	55.92	
<i>For Class 55 Rating, Add</i>	124.29	
40 05 19 00-0131 EA 10" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,190.61	263.08
<i>For Class 52 Rating, Deduct</i>	-87.12	
<i>For Class 54 Rating, Add</i>	59.40	
<i>For Class 55 Rating, Add</i>	132.03	
40 05 19 00-0132 EA 10" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,240.36	265.29
<i>For Class 52 Rating, Deduct</i>	-92.22	
<i>For Class 54 Rating, Add</i>	62.88	
<i>For Class 55 Rating, Add</i>	139.76	
40 05 19 00-0133 EA 10" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,290.11	267.50
<i>For Class 52 Rating, Deduct</i>	-97.33	
<i>For Class 54 Rating, Add</i>	66.36	
<i>For Class 55 Rating, Add</i>	147.50	
40 05 19 00-0134 EA 10" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,339.86	269.72
<i>For Class 52 Rating, Deduct</i>	-102.43	
<i>For Class 54 Rating, Add</i>	69.84	
<i>For Class 55 Rating, Add</i>	155.23	
40 05 19 00-0135 EA 10" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,389.60	271.92
<i>For Class 52 Rating, Deduct</i>	-107.54	
<i>For Class 54 Rating, Add</i>	73.32	
<i>For Class 55 Rating, Add</i>	162.97	
40 05 19 00-0136 EA 10" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,439.35	274.13
<i>For Class 52 Rating, Deduct</i>	-112.64	
<i>For Class 54 Rating, Add</i>	76.80	
<i>For Class 55 Rating, Add</i>	170.70	
40 05 19 00-0137 EA 10" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,489.10	276.35
<i>For Class 52 Rating, Deduct</i>	-117.74	
<i>For Class 54 Rating, Add</i>	80.28	
<i>For Class 55 Rating, Add</i>	178.44	
40 05 19 00-0138 EA 10" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,538.85	278.55
<i>For Class 52 Rating, Deduct</i>	-122.85	
<i>For Class 54 Rating, Add</i>	83.76	
<i>For Class 55 Rating, Add</i>	186.17	
40 05 19 00-0139 EA 10" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,588.61	280.77
<i>For Class 52 Rating, Deduct</i>	-127.95	
<i>For Class 54 Rating, Add</i>	87.24	
<i>For Class 55 Rating, Add</i>	193.91	
40 05 19 00-0140 EA 10" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,638.36	282.98
<i>For Class 52 Rating, Deduct</i>	-133.06	
<i>For Class 54 Rating, Add</i>	90.72	
<i>For Class 55 Rating, Add</i>	201.64	
40 05 19 00-0141 EA 10" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,688.10	285.19
<i>For Class 52 Rating, Deduct</i>	-138.16	
<i>For Class 54 Rating, Add</i>	94.20	
<i>For Class 55 Rating, Add</i>	209.38	
40 05 19 00-0142 EA 10" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,737.85	287.40
<i>For Class 52 Rating, Deduct</i>	-143.26	
<i>For Class 54 Rating, Add</i>	97.68	
<i>For Class 55 Rating, Add</i>	217.11	
40 05 19 00-0143 EA 10" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,787.60	289.61
<i>For Class 52 Rating, Deduct</i>	-148.37	
<i>For Class 54 Rating, Add</i>	101.16	
<i>For Class 55 Rating, Add</i>	224.84	
40 05 19 00-0144 EA 10" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,837.35	291.82
<i>For Class 52 Rating, Deduct</i>	-153.47	
<i>For Class 54 Rating, Add</i>	104.64	
<i>For Class 55 Rating, Add</i>	232.58	
40 05 19 00-0145 EA 10" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,887.10	294.03
<i>For Class 52 Rating, Deduct</i>	-158.58	
<i>For Class 54 Rating, Add</i>	108.12	
<i>For Class 55 Rating, Add</i>	240.31	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0146 EA 10" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,936.85	296.25
For Class 52 Rating, Deduct	-163.68	
For Class 54 Rating, Add	111.60	
For Class 55 Rating, Add	248.05	
40 05 19 00-0147 EA 10" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,986.60	298.45
For Class 52 Rating, Deduct	-168.78	
For Class 54 Rating, Add	115.08	
For Class 55 Rating, Add	255.78	
40 05 19 00-0148 EA 10" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,036.35	300.66
For Class 52 Rating, Deduct	-173.89	
For Class 54 Rating, Add	118.56	
For Class 55 Rating, Add	263.52	
40 05 19 00-0149 EA 10" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,086.10	302.88
For Class 52 Rating, Deduct	-178.99	
For Class 54 Rating, Add	122.04	
For Class 55 Rating, Add	271.25	
40 05 19 00-0150 EA 10" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,135.85	305.08
For Class 52 Rating, Deduct	-184.10	
For Class 54 Rating, Add	125.52	
For Class 55 Rating, Add	278.99	
40 05 19 00-0151 EA 10" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,185.60	307.30
For Class 52 Rating, Deduct	-189.20	
For Class 54 Rating, Add	129.00	
For Class 55 Rating, Add	286.72	
40 05 19 00-0152 EA 10" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,235.35	309.50
For Class 52 Rating, Deduct	-194.30	
For Class 54 Rating, Add	132.48	
For Class 55 Rating, Add	294.46	
40 05 19 00-0153 EA 10" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,285.10	311.71
For Class 52 Rating, Deduct	-199.41	
For Class 54 Rating, Add	135.96	
For Class 55 Rating, Add	302.19	
40 05 19 00-0154 EA 10" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,334.84	313.93
For Class 52 Rating, Deduct	-204.51	
For Class 54 Rating, Add	139.44	
For Class 55 Rating, Add	309.93	
40 05 19 00-0155 EA 10" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,383.79	316.13
For Class 52 Rating, Deduct	-209.53	
For Class 54 Rating, Add	142.86	
For Class 55 Rating, Add	317.53	
40 05 19 00-0156 EA 10" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,434.35	318.35
For Class 52 Rating, Deduct	-214.72	
For Class 54 Rating, Add	146.40	
For Class 55 Rating, Add	325.40	
40 05 19 00-0157 EA 10" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,484.10	320.56
For Class 52 Rating, Deduct	-219.82	
For Class 54 Rating, Add	149.88	
For Class 55 Rating, Add	333.13	
40 05 19 00-0158 EA 10" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,533.85	322.77
For Class 52 Rating, Deduct	-224.93	
For Class 54 Rating, Add	153.36	
For Class 55 Rating, Add	340.87	
40 05 19 00-0159 EA 10" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,583.60	324.98
For Class 52 Rating, Deduct	-230.03	
For Class 54 Rating, Add	156.84	
For Class 55 Rating, Add	348.60	
40 05 19 00-0160 EA 10" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,633.34	327.19
For Class 52 Rating, Deduct	-235.14	
For Class 54 Rating, Add	160.32	
For Class 55 Rating, Add	356.34	
40 05 19 00-0161 EA 10" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,683.09	329.40
For Class 52 Rating, Deduct	-240.24	
For Class 54 Rating, Add	163.80	
For Class 55 Rating, Add	364.07	
40 05 19 00-0162 EA 10" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,732.84	331.61
For Class 52 Rating, Deduct	-245.34	
For Class 54 Rating, Add	167.28	
For Class 55 Rating, Add	371.81	
<b>40 05 19 00-0163 12" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)</b>		
40 05 19 00-0164 EA 12" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,094.55	309.50
For Class 52 Rating, Deduct	-68.82	
For Class 54 Rating, Add	46.92	
For Class 55 Rating, Add	104.29	
40 05 19 00-0165 EA 12" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,156.30	311.71
For Class 52 Rating, Deduct	-75.24	
For Class 54 Rating, Add	51.30	
For Class 55 Rating, Add	114.02	
40 05 19 00-0166 EA 12" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,218.04	313.93
For Class 52 Rating, Deduct	-81.66	
For Class 54 Rating, Add	55.68	
For Class 55 Rating, Add	123.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0167 EA 12" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,279.79	316.13
<i>For Class 52 Rating, Deduct</i>	-88.09	
<i>For Class 54 Rating, Add</i>	60.06	
<i>For Class 55 Rating, Add</i>	133.49	
40 05 19 00-0168 EA 12" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,341.55	318.35
<i>For Class 52 Rating, Deduct</i>	-94.51	
<i>For Class 54 Rating, Add</i>	64.44	
<i>For Class 55 Rating, Add</i>	143.23	
40 05 19 00-0169 EA 12" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,403.30	320.56
<i>For Class 52 Rating, Deduct</i>	-100.94	
<i>For Class 54 Rating, Add</i>	68.82	
<i>For Class 55 Rating, Add</i>	152.96	
40 05 19 00-0170 EA 12" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,465.05	322.77
<i>For Class 52 Rating, Deduct</i>	-107.36	
<i>For Class 54 Rating, Add</i>	73.20	
<i>For Class 55 Rating, Add</i>	162.70	
40 05 19 00-0171 EA 12" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,526.80	324.98
<i>For Class 52 Rating, Deduct</i>	-113.78	
<i>For Class 54 Rating, Add</i>	77.58	
<i>For Class 55 Rating, Add</i>	172.43	
40 05 19 00-0172 EA 12" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,588.54	327.19
<i>For Class 52 Rating, Deduct</i>	-120.21	
<i>For Class 54 Rating, Add</i>	81.96	
<i>For Class 55 Rating, Add</i>	182.17	
40 05 19 00-0173 EA 12" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,650.29	329.40
<i>For Class 52 Rating, Deduct</i>	-126.63	
<i>For Class 54 Rating, Add</i>	86.34	
<i>For Class 55 Rating, Add</i>	191.91	
40 05 19 00-0174 EA 12" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,712.04	331.61
<i>For Class 52 Rating, Deduct</i>	-133.06	
<i>For Class 54 Rating, Add</i>	90.72	
<i>For Class 55 Rating, Add</i>	201.64	
40 05 19 00-0175 EA 12" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,773.79	333.83
<i>For Class 52 Rating, Deduct</i>	-139.48	
<i>For Class 54 Rating, Add</i>	95.10	
<i>For Class 55 Rating, Add</i>	211.38	
40 05 19 00-0176 EA 12" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,835.55	336.03
<i>For Class 52 Rating, Deduct</i>	-145.90	
<i>For Class 54 Rating, Add</i>	99.48	
<i>For Class 55 Rating, Add</i>	221.11	
40 05 19 00-0177 EA 12" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,897.30	338.24
<i>For Class 52 Rating, Deduct</i>	-152.33	
<i>For Class 54 Rating, Add</i>	103.86	
<i>For Class 55 Rating, Add</i>	230.85	
40 05 19 00-0178 EA 12" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,959.04	340.46
<i>For Class 52 Rating, Deduct</i>	-158.75	
<i>For Class 54 Rating, Add</i>	108.24	
<i>For Class 55 Rating, Add</i>	240.58	
40 05 19 00-0179 EA 12" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,020.79	342.66
<i>For Class 52 Rating, Deduct</i>	-165.18	
<i>For Class 54 Rating, Add</i>	112.62	
<i>For Class 55 Rating, Add</i>	250.32	
40 05 19 00-0180 EA 12" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,082.54	344.88
<i>For Class 52 Rating, Deduct</i>	-171.60	
<i>For Class 54 Rating, Add</i>	117.00	
<i>For Class 55 Rating, Add</i>	260.05	
40 05 19 00-0181 EA 12" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,144.29	347.09
<i>For Class 52 Rating, Deduct</i>	-178.02	
<i>For Class 54 Rating, Add</i>	121.38	
<i>For Class 55 Rating, Add</i>	269.79	
40 05 19 00-0182 EA 12" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,206.04	349.30
<i>For Class 52 Rating, Deduct</i>	-184.45	
<i>For Class 54 Rating, Add</i>	125.76	
<i>For Class 55 Rating, Add</i>	279.52	
40 05 19 00-0183 EA 12" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,267.79	351.51
<i>For Class 52 Rating, Deduct</i>	-190.87	
<i>For Class 54 Rating, Add</i>	130.14	
<i>For Class 55 Rating, Add</i>	289.26	
40 05 19 00-0184 EA 12" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,329.54	353.72
<i>For Class 52 Rating, Deduct</i>	-197.30	
<i>For Class 54 Rating, Add</i>	134.52	
<i>For Class 55 Rating, Add</i>	298.99	
40 05 19 00-0185 EA 12" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,391.29	355.93
<i>For Class 52 Rating, Deduct</i>	-203.72	
<i>For Class 54 Rating, Add</i>	138.90	
<i>For Class 55 Rating, Add</i>	308.73	
40 05 19 00-0186 EA 12" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,453.04	358.14
<i>For Class 52 Rating, Deduct</i>	-210.14	
<i>For Class 54 Rating, Add</i>	143.28	
<i>For Class 55 Rating, Add</i>	318.46	
40 05 19 00-0187 EA 12" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,514.79	360.36
<i>For Class 52 Rating, Deduct</i>	-216.57	
<i>For Class 54 Rating, Add</i>	147.66	
<i>For Class 55 Rating, Add</i>	328.20	



**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0188 EA 12" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,576.54	362.56
For Class 52 Rating, Deduct	-222.99	
For Class 54 Rating, Add	152.04	
For Class 55 Rating, Add	337.93	
40 05 19 00-0189 EA 12" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,638.29	364.77
For Class 52 Rating, Deduct	-229.42	
For Class 54 Rating, Add	156.42	
For Class 55 Rating, Add	347.67	
40 05 19 00-0190 EA 12" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,700.04	366.99
For Class 52 Rating, Deduct	-235.84	
For Class 54 Rating, Add	160.80	
For Class 55 Rating, Add	357.40	
40 05 19 00-0191 EA 12" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,761.78	369.19
For Class 52 Rating, Deduct	-242.26	
For Class 54 Rating, Add	165.18	
For Class 55 Rating, Add	367.14	
40 05 19 00-0192 EA 12" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,823.54	371.41
For Class 52 Rating, Deduct	-248.69	
For Class 54 Rating, Add	169.56	
For Class 55 Rating, Add	376.88	
40 05 19 00-0193 EA 12" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,885.29	373.62
For Class 52 Rating, Deduct	-255.11	
For Class 54 Rating, Add	173.94	
For Class 55 Rating, Add	386.61	
40 05 19 00-0194 EA 12" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,947.04	375.83
For Class 52 Rating, Deduct	-261.54	
For Class 54 Rating, Add	178.32	
For Class 55 Rating, Add	396.35	
40 05 19 00-0195 EA 12" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,008.79	378.04
For Class 52 Rating, Deduct	-267.96	
For Class 54 Rating, Add	182.70	
For Class 55 Rating, Add	406.08	
40 05 19 00-0196 EA 12" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,070.54	380.25
For Class 52 Rating, Deduct	-274.38	
For Class 54 Rating, Add	187.08	
For Class 55 Rating, Add	415.82	
40 05 19 00-0197 EA 12" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,132.28	382.46
For Class 52 Rating, Deduct	-280.81	
For Class 54 Rating, Add	191.46	
For Class 55 Rating, Add	425.55	
40 05 19 00-0198 EA 12" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,194.03	384.67
For Class 52 Rating, Deduct	-287.23	
For Class 54 Rating, Add	195.84	
For Class 55 Rating, Add	435.29	
40 05 19 00-0199 EA 12" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,255.78	386.89
For Class 52 Rating, Deduct	-293.66	
For Class 54 Rating, Add	200.22	
For Class 55 Rating, Add	445.02	
40 05 19 00-0200 EA 12" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,317.54	389.09
For Class 52 Rating, Deduct	-300.08	
For Class 54 Rating, Add	204.60	
For Class 55 Rating, Add	454.76	
40 05 19 00-0201 EA 12" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,379.29	391.30
For Class 52 Rating, Deduct	-306.50	
For Class 54 Rating, Add	208.98	
For Class 55 Rating, Add	464.49	
40 05 19 00-0202 EA 12" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,441.04	393.52
For Class 52 Rating, Deduct	-312.93	
For Class 54 Rating, Add	213.36	
For Class 55 Rating, Add	474.23	
<b>40 05 19 00-0203 14" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0002)</small>		
40 05 19 00-0204 EA 14" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,438.74	371.41
For Class 52 Rating, Deduct	-96.36	
For Class 54 Rating, Add	65.70	
For Class 55 Rating, Add	146.03	
40 05 19 00-0205 EA 14" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,513.29	373.62
For Class 52 Rating, Deduct	-104.19	
For Class 54 Rating, Add	71.04	
For Class 55 Rating, Add	157.90	
40 05 19 00-0206 EA 14" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,587.84	375.83
For Class 52 Rating, Deduct	-112.02	
For Class 54 Rating, Add	76.38	
For Class 55 Rating, Add	169.77	
40 05 19 00-0207 EA 14" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,662.39	378.04
For Class 52 Rating, Deduct	-119.86	
For Class 54 Rating, Add	81.72	
For Class 55 Rating, Add	181.64	
40 05 19 00-0208 EA 14" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,736.94	380.25
For Class 52 Rating, Deduct	-127.69	
For Class 54 Rating, Add	87.06	
For Class 55 Rating, Add	193.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0209 EA 14" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,811.48	382.46
<i>For Class 52 Rating, Deduct</i>	-135.52	
<i>For Class 54 Rating, Add</i>	92.40	
<i>For Class 55 Rating, Add</i>	205.37	
40 05 19 00-0210 EA 14" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,886.03	384.67
<i>For Class 52 Rating, Deduct</i>	-143.35	
<i>For Class 54 Rating, Add</i>	97.74	
<i>For Class 55 Rating, Add</i>	217.24	
40 05 19 00-0211 EA 14" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,960.58	386.89
<i>For Class 52 Rating, Deduct</i>	-151.18	
<i>For Class 54 Rating, Add</i>	103.08	
<i>For Class 55 Rating, Add</i>	229.11	
40 05 19 00-0212 EA 14" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,035.14	389.09
<i>For Class 52 Rating, Deduct</i>	-159.02	
<i>For Class 54 Rating, Add</i>	108.42	
<i>For Class 55 Rating, Add</i>	240.98	
40 05 19 00-0213 EA 14" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,109.69	391.30
<i>For Class 52 Rating, Deduct</i>	-166.85	
<i>For Class 54 Rating, Add</i>	113.76	
<i>For Class 55 Rating, Add</i>	252.85	
40 05 19 00-0214 EA 14" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,184.24	393.52
<i>For Class 52 Rating, Deduct</i>	-174.68	
<i>For Class 54 Rating, Add</i>	119.10	
<i>For Class 55 Rating, Add</i>	264.72	
40 05 19 00-0215 EA 14" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,258.78	395.72
<i>For Class 52 Rating, Deduct</i>	-182.51	
<i>For Class 54 Rating, Add</i>	124.44	
<i>For Class 55 Rating, Add</i>	276.59	
40 05 19 00-0216 EA 14" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,333.33	397.94
<i>For Class 52 Rating, Deduct</i>	-190.34	
<i>For Class 54 Rating, Add</i>	129.78	
<i>For Class 55 Rating, Add</i>	288.46	
40 05 19 00-0217 EA 14" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,407.88	400.15
<i>For Class 52 Rating, Deduct</i>	-198.18	
<i>For Class 54 Rating, Add</i>	135.12	
<i>For Class 55 Rating, Add</i>	300.33	
40 05 19 00-0218 EA 14" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,482.43	402.35
<i>For Class 52 Rating, Deduct</i>	-206.01	
<i>For Class 54 Rating, Add</i>	140.46	
<i>For Class 55 Rating, Add</i>	312.20	
40 05 19 00-0219 EA 14" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,556.98	404.57
<i>For Class 52 Rating, Deduct</i>	-213.84	
<i>For Class 54 Rating, Add</i>	145.80	
<i>For Class 55 Rating, Add</i>	324.06	
40 05 19 00-0220 EA 14" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,631.53	406.78
<i>For Class 52 Rating, Deduct</i>	-221.67	
<i>For Class 54 Rating, Add</i>	151.14	
<i>For Class 55 Rating, Add</i>	335.93	
40 05 19 00-0221 EA 14" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,706.09	408.99
<i>For Class 52 Rating, Deduct</i>	-229.50	
<i>For Class 54 Rating, Add</i>	156.48	
<i>For Class 55 Rating, Add</i>	347.80	
40 05 19 00-0222 EA 14" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,780.63	411.20
<i>For Class 52 Rating, Deduct</i>	-237.34	
<i>For Class 54 Rating, Add</i>	161.82	
<i>For Class 55 Rating, Add</i>	359.67	
40 05 19 00-0223 EA 14" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,855.18	413.42
<i>For Class 52 Rating, Deduct</i>	-245.17	
<i>For Class 54 Rating, Add</i>	167.16	
<i>For Class 55 Rating, Add</i>	371.54	
40 05 19 00-0224 EA 14" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,929.73	415.62
<i>For Class 52 Rating, Deduct</i>	-253.00	
<i>For Class 54 Rating, Add</i>	172.50	
<i>For Class 55 Rating, Add</i>	383.41	
40 05 19 00-0225 EA 14" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,004.28	417.83
<i>For Class 52 Rating, Deduct</i>	-260.83	
<i>For Class 54 Rating, Add</i>	177.84	
<i>For Class 55 Rating, Add</i>	395.28	
40 05 19 00-0226 EA 14" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,078.83	420.05
<i>For Class 52 Rating, Deduct</i>	-268.66	
<i>For Class 54 Rating, Add</i>	183.18	
<i>For Class 55 Rating, Add</i>	407.15	
40 05 19 00-0227 EA 14" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,153.38	422.25
<i>For Class 52 Rating, Deduct</i>	-276.50	
<i>For Class 54 Rating, Add</i>	188.52	
<i>For Class 55 Rating, Add</i>	419.02	
40 05 19 00-0228 EA 14" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,227.92	424.47
<i>For Class 52 Rating, Deduct</i>	-284.33	
<i>For Class 54 Rating, Add</i>	193.86	
<i>For Class 55 Rating, Add</i>	430.89	
40 05 19 00-0229 EA 14" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,302.48	426.68
<i>For Class 52 Rating, Deduct</i>	-292.16	
<i>For Class 54 Rating, Add</i>	199.20	
<i>For Class 55 Rating, Add</i>	442.76	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0230	EA		14" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,377.03	428.88
			<i>For Class 52 Rating, Deduct</i>	-299.99	
			<i>For Class 54 Rating, Add</i>	204.54	
			<i>For Class 55 Rating, Add</i>	454.62	
40 05 19 00-0231	EA		14" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,451.58	431.10
			<i>For Class 52 Rating, Deduct</i>	-307.82	
			<i>For Class 54 Rating, Add</i>	209.88	
			<i>For Class 55 Rating, Add</i>	466.49	
40 05 19 00-0232	EA		14" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,526.13	433.30
			<i>For Class 52 Rating, Deduct</i>	-315.66	
			<i>For Class 54 Rating, Add</i>	215.22	
			<i>For Class 55 Rating, Add</i>	478.36	
40 05 19 00-0233	EA		14" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,600.68	435.52
			<i>For Class 52 Rating, Deduct</i>	-323.49	
			<i>For Class 54 Rating, Add</i>	220.56	
			<i>For Class 55 Rating, Add</i>	490.23	
40 05 19 00-0234	EA		14" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,675.22	437.73
			<i>For Class 52 Rating, Deduct</i>	-331.32	
			<i>For Class 54 Rating, Add</i>	225.90	
			<i>For Class 55 Rating, Add</i>	502.10	
40 05 19 00-0235	EA		14" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,749.77	439.94
			<i>For Class 52 Rating, Deduct</i>	-339.15	
			<i>For Class 54 Rating, Add</i>	231.24	
			<i>For Class 55 Rating, Add</i>	513.97	
40 05 19 00-0236	EA		14" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,824.32	442.15
			<i>For Class 52 Rating, Deduct</i>	-346.98	
			<i>For Class 54 Rating, Add</i>	236.58	
			<i>For Class 55 Rating, Add</i>	525.84	
40 05 19 00-0237	EA		14" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,898.88	444.36
			<i>For Class 52 Rating, Deduct</i>	-354.82	
			<i>For Class 54 Rating, Add</i>	241.92	
			<i>For Class 55 Rating, Add</i>	537.71	
40 05 19 00-0238	EA		14" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,973.43	446.57
			<i>For Class 52 Rating, Deduct</i>	-362.65	
			<i>For Class 54 Rating, Add</i>	247.26	
			<i>For Class 55 Rating, Add</i>	549.58	
40 05 19 00-0239	EA		14" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,047.98	448.78
			<i>For Class 52 Rating, Deduct</i>	-370.48	
			<i>For Class 54 Rating, Add</i>	252.60	
			<i>For Class 55 Rating, Add</i>	561.45	
40 05 19 00-0240	EA		14" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,122.52	451.00
			<i>For Class 52 Rating, Deduct</i>	-378.31	
			<i>For Class 54 Rating, Add</i>	257.94	
			<i>For Class 55 Rating, Add</i>	573.31	
40 05 19 00-0241	EA		14" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,197.07	453.20
			<i>For Class 52 Rating, Deduct</i>	-386.14	
			<i>For Class 54 Rating, Add</i>	263.28	
			<i>For Class 55 Rating, Add</i>	585.18	
<b>40 05 19 00-0242</b>			<b>16" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0002)</small>		
40 05 19 00-0243	EA		16" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,681.52	424.47
			<i>For Class 52 Rating, Deduct</i>	-114.22	
			<i>For Class 54 Rating, Add</i>	77.88	
			<i>For Class 55 Rating, Add</i>	173.10	
40 05 19 00-0244	EA		16" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,768.08	426.68
			<i>For Class 52 Rating, Deduct</i>	-123.38	
			<i>For Class 54 Rating, Add</i>	84.12	
			<i>For Class 55 Rating, Add</i>	186.97	
40 05 19 00-0245	EA		16" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,854.63	428.88
			<i>For Class 52 Rating, Deduct</i>	-132.53	
			<i>For Class 54 Rating, Add</i>	90.36	
			<i>For Class 55 Rating, Add</i>	200.84	
40 05 19 00-0246	EA		16" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,941.18	431.10
			<i>For Class 52 Rating, Deduct</i>	-141.68	
			<i>For Class 54 Rating, Add</i>	96.60	
			<i>For Class 55 Rating, Add</i>	214.71	
40 05 19 00-0247	EA		16" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,027.73	433.30
			<i>For Class 52 Rating, Deduct</i>	-150.83	
			<i>For Class 54 Rating, Add</i>	102.84	
			<i>For Class 55 Rating, Add</i>	228.58	
40 05 19 00-0248	EA		16" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,114.28	435.52
			<i>For Class 52 Rating, Deduct</i>	-159.98	
			<i>For Class 54 Rating, Add</i>	109.08	
			<i>For Class 55 Rating, Add</i>	242.45	
40 05 19 00-0249	EA		16" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,200.82	437.73
			<i>For Class 52 Rating, Deduct</i>	-169.14	
			<i>For Class 54 Rating, Add</i>	115.32	
			<i>For Class 55 Rating, Add</i>	256.32	
40 05 19 00-0250	EA		16" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,287.37	439.94
			<i>For Class 52 Rating, Deduct</i>	-178.29	
			<i>For Class 54 Rating, Add</i>	121.56	
			<i>For Class 55 Rating, Add</i>	270.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0251 EA 16" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,373.92	442.15
<i>For Class 52 Rating, Deduct</i>	-187.44	
<i>For Class 54 Rating, Add</i>	127.80	
<i>For Class 55 Rating, Add</i>	284.06	
40 05 19 00-0252 EA 16" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,460.48	444.36
<i>For Class 52 Rating, Deduct</i>	-196.59	
<i>For Class 54 Rating, Add</i>	134.04	
<i>For Class 55 Rating, Add</i>	297.93	
40 05 19 00-0253 EA 16" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,547.03	446.57
<i>For Class 52 Rating, Deduct</i>	-205.74	
<i>For Class 54 Rating, Add</i>	140.28	
<i>For Class 55 Rating, Add</i>	311.80	
40 05 19 00-0254 EA 16" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,633.58	448.78
<i>For Class 52 Rating, Deduct</i>	-214.90	
<i>For Class 54 Rating, Add</i>	146.52	
<i>For Class 55 Rating, Add</i>	325.67	
40 05 19 00-0255 EA 16" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,720.12	451.00
<i>For Class 52 Rating, Deduct</i>	-224.05	
<i>For Class 54 Rating, Add</i>	152.76	
<i>For Class 55 Rating, Add</i>	339.53	
40 05 19 00-0256 EA 16" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,806.67	453.20
<i>For Class 52 Rating, Deduct</i>	-233.20	
<i>For Class 54 Rating, Add</i>	159.00	
<i>For Class 55 Rating, Add</i>	353.40	
40 05 19 00-0257 EA 16" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,893.22	455.41
<i>For Class 52 Rating, Deduct</i>	-242.35	
<i>For Class 54 Rating, Add</i>	165.24	
<i>For Class 55 Rating, Add</i>	367.27	
40 05 19 00-0258 EA 16" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,979.77	457.63
<i>For Class 52 Rating, Deduct</i>	-251.50	
<i>For Class 54 Rating, Add</i>	171.48	
<i>For Class 55 Rating, Add</i>	381.14	
40 05 19 00-0259 EA 16" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,066.32	459.83
<i>For Class 52 Rating, Deduct</i>	-260.66	
<i>For Class 54 Rating, Add</i>	177.72	
<i>For Class 55 Rating, Add</i>	395.01	
40 05 19 00-0260 EA 16" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,152.88	462.05
<i>For Class 52 Rating, Deduct</i>	-269.81	
<i>For Class 54 Rating, Add</i>	183.96	
<i>For Class 55 Rating, Add</i>	408.88	
40 05 19 00-0261 EA 16" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,239.43	464.26
<i>For Class 52 Rating, Deduct</i>	-278.96	
<i>For Class 54 Rating, Add</i>	190.20	
<i>For Class 55 Rating, Add</i>	422.75	
40 05 19 00-0262 EA 16" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,325.97	466.47
<i>For Class 52 Rating, Deduct</i>	-288.11	
<i>For Class 54 Rating, Add</i>	196.44	
<i>For Class 55 Rating, Add</i>	436.62	
40 05 19 00-0263 EA 16" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,412.52	468.68
<i>For Class 52 Rating, Deduct</i>	-297.26	
<i>For Class 54 Rating, Add</i>	202.68	
<i>For Class 55 Rating, Add</i>	450.49	
40 05 19 00-0264 EA 16" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,499.07	470.89
<i>For Class 52 Rating, Deduct</i>	-306.42	
<i>For Class 54 Rating, Add</i>	208.92	
<i>For Class 55 Rating, Add</i>	464.36	
40 05 19 00-0265 EA 16" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,585.62	473.10
<i>For Class 52 Rating, Deduct</i>	-315.57	
<i>For Class 54 Rating, Add</i>	215.16	
<i>For Class 55 Rating, Add</i>	478.23	
40 05 19 00-0266 EA 16" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,672.17	475.31
<i>For Class 52 Rating, Deduct</i>	-324.72	
<i>For Class 54 Rating, Add</i>	221.40	
<i>For Class 55 Rating, Add</i>	492.10	
40 05 19 00-0267 EA 16" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,758.72	477.53
<i>For Class 52 Rating, Deduct</i>	-333.87	
<i>For Class 54 Rating, Add</i>	227.64	
<i>For Class 55 Rating, Add</i>	505.97	
40 05 19 00-0268 EA 16" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,845.27	479.73
<i>For Class 52 Rating, Deduct</i>	-343.02	
<i>For Class 54 Rating, Add</i>	233.88	
<i>For Class 55 Rating, Add</i>	519.84	
40 05 19 00-0269 EA 16" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,931.82	481.94
<i>For Class 52 Rating, Deduct</i>	-352.18	
<i>For Class 54 Rating, Add</i>	240.12	
<i>For Class 55 Rating, Add</i>	533.71	
40 05 19 00-0270 EA 16" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,018.37	484.16
<i>For Class 52 Rating, Deduct</i>	-361.33	
<i>For Class 54 Rating, Add</i>	246.36	
<i>For Class 55 Rating, Add</i>	547.58	
40 05 19 00-0271 EA 16" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,104.92	486.36
<i>For Class 52 Rating, Deduct</i>	-370.48	
<i>For Class 54 Rating, Add</i>	252.60	
<i>For Class 55 Rating, Add</i>	561.45	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0272	EA		16" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,191.47	488.58
			<i>For Class 52 Rating, Deduct</i>	-379.63	
			<i>For Class 54 Rating, Add</i>	258.84	
			<i>For Class 55 Rating, Add</i>	575.32	
40 05 19 00-0273	EA		16" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,278.02	490.79
			<i>For Class 52 Rating, Deduct</i>	-388.78	
			<i>For Class 54 Rating, Add</i>	265.08	
			<i>For Class 55 Rating, Add</i>	589.18	
40 05 19 00-0274	EA		16" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,364.56	492.99
			<i>For Class 52 Rating, Deduct</i>	-397.94	
			<i>For Class 54 Rating, Add</i>	271.32	
			<i>For Class 55 Rating, Add</i>	603.05	
40 05 19 00-0275	EA		16" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,451.11	495.21
			<i>For Class 52 Rating, Deduct</i>	-407.09	
			<i>For Class 54 Rating, Add</i>	277.56	
			<i>For Class 55 Rating, Add</i>	616.92	
40 05 19 00-0276	EA		16" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,537.67	497.42
			<i>For Class 52 Rating, Deduct</i>	-416.24	
			<i>For Class 54 Rating, Add</i>	283.80	
			<i>For Class 55 Rating, Add</i>	630.79	
40 05 19 00-0277	EA		16" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,624.22	499.63
			<i>For Class 52 Rating, Deduct</i>	-425.39	
			<i>For Class 54 Rating, Add</i>	290.04	
			<i>For Class 55 Rating, Add</i>	644.66	
40 05 19 00-0278	EA		16" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,710.77	501.84
			<i>For Class 52 Rating, Deduct</i>	-434.54	
			<i>For Class 54 Rating, Add</i>	296.28	
			<i>For Class 55 Rating, Add</i>	658.53	
40 05 19 00-0279	EA		16" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,797.32	504.06
			<i>For Class 52 Rating, Deduct</i>	-443.70	
			<i>For Class 54 Rating, Add</i>	302.52	
			<i>For Class 55 Rating, Add</i>	672.40	
40 05 19 00-0280	EA		16" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,883.87	506.26
			<i>For Class 52 Rating, Deduct</i>	-452.85	
			<i>For Class 54 Rating, Add</i>	308.76	
			<i>For Class 55 Rating, Add</i>	686.27	
40 05 19 00-0281			<b>18" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0002)</small>		
40 05 19 00-0282	EA		18" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,948.86	478.40
			<i>For Class 52 Rating, Deduct</i>	-134.64	
			<i>For Class 54 Rating, Add</i>	91.80	
			<i>For Class 55 Rating, Add</i>	204.04	
40 05 19 00-0283	EA		18" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,048.21	480.62
			<i>For Class 52 Rating, Deduct</i>	-145.20	
			<i>For Class 54 Rating, Add</i>	99.00	
			<i>For Class 55 Rating, Add</i>	220.04	
40 05 19 00-0284	EA		18" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,147.56	482.83
			<i>For Class 52 Rating, Deduct</i>	-155.76	
			<i>For Class 54 Rating, Add</i>	106.20	
			<i>For Class 55 Rating, Add</i>	236.05	
40 05 19 00-0285	EA		18" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,246.91	485.04
			<i>For Class 52 Rating, Deduct</i>	-166.32	
			<i>For Class 54 Rating, Add</i>	113.40	
			<i>For Class 55 Rating, Add</i>	252.05	
40 05 19 00-0286	EA		18" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,346.26	487.25
			<i>For Class 52 Rating, Deduct</i>	-176.88	
			<i>For Class 54 Rating, Add</i>	120.60	
			<i>For Class 55 Rating, Add</i>	268.05	
40 05 19 00-0287	EA		18" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,445.61	489.46
			<i>For Class 52 Rating, Deduct</i>	-187.44	
			<i>For Class 54 Rating, Add</i>	127.80	
			<i>For Class 55 Rating, Add</i>	284.06	
40 05 19 00-0288	EA		18" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,544.95	491.67
			<i>For Class 52 Rating, Deduct</i>	-198.00	
			<i>For Class 54 Rating, Add</i>	135.00	
			<i>For Class 55 Rating, Add</i>	300.06	
40 05 19 00-0289	EA		18" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,644.31	493.88
			<i>For Class 52 Rating, Deduct</i>	-208.56	
			<i>For Class 54 Rating, Add</i>	142.20	
			<i>For Class 55 Rating, Add</i>	316.06	
40 05 19 00-0290	EA		18" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,743.66	496.10
			<i>For Class 52 Rating, Deduct</i>	-219.12	
			<i>For Class 54 Rating, Add</i>	149.40	
			<i>For Class 55 Rating, Add</i>	332.07	
40 05 19 00-0291	EA		18" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,843.01	498.30
			<i>For Class 52 Rating, Deduct</i>	-229.68	
			<i>For Class 54 Rating, Add</i>	156.60	
			<i>For Class 55 Rating, Add</i>	348.07	
40 05 19 00-0292	EA		18" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,942.36	500.52
			<i>For Class 52 Rating, Deduct</i>	-240.24	
			<i>For Class 54 Rating, Add</i>	163.80	
			<i>For Class 55 Rating, Add</i>	364.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0293 EA 18" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,041.71	502.73
<i>For Class 52 Rating, Deduct</i>	-250.80	
<i>For Class 54 Rating, Add</i>	171.00	
<i>For Class 55 Rating, Add</i>	380.08	
40 05 19 00-0294 EA 18" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,141.05	504.93
<i>For Class 52 Rating, Deduct</i>	-261.36	
<i>For Class 54 Rating, Add</i>	178.20	
<i>For Class 55 Rating, Add</i>	396.08	
40 05 19 00-0295 EA 18" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,240.40	507.15
<i>For Class 52 Rating, Deduct</i>	-271.92	
<i>For Class 54 Rating, Add</i>	185.40	
<i>For Class 55 Rating, Add</i>	412.08	
40 05 19 00-0296 EA 18" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,339.75	509.36
<i>For Class 52 Rating, Deduct</i>	-282.48	
<i>For Class 54 Rating, Add</i>	192.60	
<i>For Class 55 Rating, Add</i>	428.09	
40 05 19 00-0297 EA 18" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,439.10	511.57
<i>For Class 52 Rating, Deduct</i>	-293.04	
<i>For Class 54 Rating, Add</i>	199.80	
<i>For Class 55 Rating, Add</i>	444.09	
40 05 19 00-0298 EA 18" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,538.46	513.78
<i>For Class 52 Rating, Deduct</i>	-303.60	
<i>For Class 54 Rating, Add</i>	207.00	
<i>For Class 55 Rating, Add</i>	460.09	
40 05 19 00-0299 EA 18" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,637.81	515.99
<i>For Class 52 Rating, Deduct</i>	-314.16	
<i>For Class 54 Rating, Add</i>	214.20	
<i>For Class 55 Rating, Add</i>	476.10	
40 05 19 00-0300 EA 18" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,737.15	518.20
<i>For Class 52 Rating, Deduct</i>	-324.72	
<i>For Class 54 Rating, Add</i>	221.40	
<i>For Class 55 Rating, Add</i>	492.10	
40 05 19 00-0301 EA 18" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,836.50	520.41
<i>For Class 52 Rating, Deduct</i>	-335.28	
<i>For Class 54 Rating, Add</i>	228.60	
<i>For Class 55 Rating, Add</i>	508.10	
40 05 19 00-0302 EA 18" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,935.85	522.63
<i>For Class 52 Rating, Deduct</i>	-345.84	
<i>For Class 54 Rating, Add</i>	235.80	
<i>For Class 55 Rating, Add</i>	524.10	
40 05 19 00-0303 EA 18" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,035.20	524.83
<i>For Class 52 Rating, Deduct</i>	-356.40	
<i>For Class 54 Rating, Add</i>	243.00	
<i>For Class 55 Rating, Add</i>	540.11	
40 05 19 00-0304 EA 18" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,134.55	527.04
<i>For Class 52 Rating, Deduct</i>	-366.96	
<i>For Class 54 Rating, Add</i>	250.20	
<i>For Class 55 Rating, Add</i>	556.11	
40 05 19 00-0305 EA 18" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,233.90	529.26
<i>For Class 52 Rating, Deduct</i>	-377.52	
<i>For Class 54 Rating, Add</i>	257.40	
<i>For Class 55 Rating, Add</i>	572.11	
40 05 19 00-0306 EA 18" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,333.25	531.46
<i>For Class 52 Rating, Deduct</i>	-388.08	
<i>For Class 54 Rating, Add</i>	264.60	
<i>For Class 55 Rating, Add</i>	588.12	
40 05 19 00-0307 EA 18" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,432.60	533.68
<i>For Class 52 Rating, Deduct</i>	-398.64	
<i>For Class 54 Rating, Add</i>	271.80	
<i>For Class 55 Rating, Add</i>	604.12	
40 05 19 00-0308 EA 18" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,531.95	535.89
<i>For Class 52 Rating, Deduct</i>	-409.20	
<i>For Class 54 Rating, Add</i>	279.00	
<i>For Class 55 Rating, Add</i>	620.12	
40 05 19 00-0309 EA 18" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,631.30	538.10
<i>For Class 52 Rating, Deduct</i>	-419.76	
<i>For Class 54 Rating, Add</i>	286.20	
<i>For Class 55 Rating, Add</i>	636.13	
40 05 19 00-0310 EA 18" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,730.65	540.31
<i>For Class 52 Rating, Deduct</i>	-430.32	
<i>For Class 54 Rating, Add</i>	293.40	
<i>For Class 55 Rating, Add</i>	652.13	
40 05 19 00-0311 EA 18" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,830.00	542.52
<i>For Class 52 Rating, Deduct</i>	-440.88	
<i>For Class 54 Rating, Add</i>	300.60	
<i>For Class 55 Rating, Add</i>	668.13	
40 05 19 00-0312 EA 18" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,929.35	544.73
<i>For Class 52 Rating, Deduct</i>	-451.44	
<i>For Class 54 Rating, Add</i>	307.80	
<i>For Class 55 Rating, Add</i>	684.14	
40 05 19 00-0313 EA 18" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,028.69	546.94
<i>For Class 52 Rating, Deduct</i>	-462.00	
<i>For Class 54 Rating, Add</i>	315.00	
<i>For Class 55 Rating, Add</i>	700.14	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0314	EA		18" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,128.05	549.16
			<i>For Class 52 Rating, Deduct</i>	-472.56	
			<i>For Class 54 Rating, Add</i>	322.20	
			<i>For Class 55 Rating, Add</i>	716.14	
40 05 19 00-0315	EA		18" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,227.40	551.36
			<i>For Class 52 Rating, Deduct</i>	-483.12	
			<i>For Class 54 Rating, Add</i>	329.40	
			<i>For Class 55 Rating, Add</i>	732.15	
40 05 19 00-0316	EA		18" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,326.75	553.57
			<i>For Class 52 Rating, Deduct</i>	-493.68	
			<i>For Class 54 Rating, Add</i>	336.60	
			<i>For Class 55 Rating, Add</i>	748.15	
40 05 19 00-0317	EA		18" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,426.10	555.78
			<i>For Class 52 Rating, Deduct</i>	-504.24	
			<i>For Class 54 Rating, Add</i>	343.80	
			<i>For Class 55 Rating, Add</i>	764.15	
40 05 19 00-0318	EA		18" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,525.45	557.99
			<i>For Class 52 Rating, Deduct</i>	-514.80	
			<i>For Class 54 Rating, Add</i>	351.00	
			<i>For Class 55 Rating, Add</i>	780.16	
40 05 19 00-0319	EA		18" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,624.79	560.21
			<i>For Class 52 Rating, Deduct</i>	-525.36	
			<i>For Class 54 Rating, Add</i>	358.20	
			<i>For Class 55 Rating, Add</i>	796.16	
40 05 19 00-0320			<b>20" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0002)</small>		
40 05 19 00-0321	EA		20" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,274.56	546.05
			<i>For Class 52 Rating, Deduct</i>	-159.19	
			<i>For Class 54 Rating, Add</i>	108.54	
			<i>For Class 55 Rating, Add</i>	241.25	
40 05 19 00-0322	EA		20" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,388.30	548.27
			<i>For Class 52 Rating, Deduct</i>	-171.34	
			<i>For Class 54 Rating, Add</i>	116.82	
			<i>For Class 55 Rating, Add</i>	259.65	
40 05 19 00-0323	EA		20" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,502.05	550.48
			<i>For Class 52 Rating, Deduct</i>	-183.48	
			<i>For Class 54 Rating, Add</i>	125.10	
			<i>For Class 55 Rating, Add</i>	278.06	
40 05 19 00-0324	EA		20" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,615.81	552.69
			<i>For Class 52 Rating, Deduct</i>	-195.62	
			<i>For Class 54 Rating, Add</i>	133.38	
			<i>For Class 55 Rating, Add</i>	296.46	
40 05 19 00-0325	EA		20" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,729.56	554.90
			<i>For Class 52 Rating, Deduct</i>	-207.77	
			<i>For Class 54 Rating, Add</i>	141.66	
			<i>For Class 55 Rating, Add</i>	314.86	
40 05 19 00-0326	EA		20" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,843.31	557.11
			<i>For Class 52 Rating, Deduct</i>	-219.91	
			<i>For Class 54 Rating, Add</i>	149.94	
			<i>For Class 55 Rating, Add</i>	333.27	
40 05 19 00-0327	EA		20" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,957.06	559.32
			<i>For Class 52 Rating, Deduct</i>	-232.06	
			<i>For Class 54 Rating, Add</i>	158.22	
			<i>For Class 55 Rating, Add</i>	351.67	
40 05 19 00-0328	EA		20" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,070.81	561.53
			<i>For Class 52 Rating, Deduct</i>	-244.20	
			<i>For Class 54 Rating, Add</i>	166.50	
			<i>For Class 55 Rating, Add</i>	370.07	
40 05 19 00-0329	EA		20" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,184.55	563.74
			<i>For Class 52 Rating, Deduct</i>	-256.34	
			<i>For Class 54 Rating, Add</i>	174.78	
			<i>For Class 55 Rating, Add</i>	388.48	
40 05 19 00-0330	EA		20" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,298.30	565.95
			<i>For Class 52 Rating, Deduct</i>	-268.49	
			<i>For Class 54 Rating, Add</i>	183.06	
			<i>For Class 55 Rating, Add</i>	406.88	
40 05 19 00-0331	EA		20" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,412.05	568.17
			<i>For Class 52 Rating, Deduct</i>	-280.63	
			<i>For Class 54 Rating, Add</i>	191.34	
			<i>For Class 55 Rating, Add</i>	425.29	
40 05 19 00-0332	EA		20" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,525.81	570.37
			<i>For Class 52 Rating, Deduct</i>	-292.78	
			<i>For Class 54 Rating, Add</i>	199.62	
			<i>For Class 55 Rating, Add</i>	443.69	
40 05 19 00-0333	EA		20" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,639.56	572.58
			<i>For Class 52 Rating, Deduct</i>	-304.92	
			<i>For Class 54 Rating, Add</i>	207.90	
			<i>For Class 55 Rating, Add</i>	462.09	
40 05 19 00-0334	EA		20" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,753.31	574.80
			<i>For Class 52 Rating, Deduct</i>	-317.06	
			<i>For Class 54 Rating, Add</i>	216.18	
			<i>For Class 55 Rating, Add</i>	480.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0335 EA 20" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,867.05	577.00
<i>For Class 52 Rating, Deduct</i>	-329.21	
<i>For Class 54 Rating, Add</i>	224.46	
<i>For Class 55 Rating, Add</i>	498.90	
40 05 19 00-0336 EA 20" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,980.80	579.22
<i>For Class 52 Rating, Deduct</i>	-341.35	
<i>For Class 54 Rating, Add</i>	232.74	
<i>For Class 55 Rating, Add</i>	517.30	
40 05 19 00-0337 EA 20" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,094.55	581.43
<i>For Class 52 Rating, Deduct</i>	-353.50	
<i>For Class 54 Rating, Add</i>	241.02	
<i>For Class 55 Rating, Add</i>	535.71	
40 05 19 00-0338 EA 20" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,208.30	583.64
<i>For Class 52 Rating, Deduct</i>	-365.64	
<i>For Class 54 Rating, Add</i>	249.30	
<i>For Class 55 Rating, Add</i>	554.11	
40 05 19 00-0339 EA 20" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,322.05	585.85
<i>For Class 52 Rating, Deduct</i>	-377.78	
<i>For Class 54 Rating, Add</i>	257.58	
<i>For Class 55 Rating, Add</i>	572.51	
40 05 19 00-0340 EA 20" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,435.81	588.06
<i>For Class 52 Rating, Deduct</i>	-389.93	
<i>For Class 54 Rating, Add</i>	265.86	
<i>For Class 55 Rating, Add</i>	590.92	
40 05 19 00-0341 EA 20" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,549.55	590.27
<i>For Class 52 Rating, Deduct</i>	-402.07	
<i>For Class 54 Rating, Add</i>	274.14	
<i>For Class 55 Rating, Add</i>	609.32	
40 05 19 00-0342 EA 20" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,663.30	592.48
<i>For Class 52 Rating, Deduct</i>	-414.22	
<i>For Class 54 Rating, Add</i>	282.42	
<i>For Class 55 Rating, Add</i>	627.73	
40 05 19 00-0343 EA 20" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,777.05	594.70
<i>For Class 52 Rating, Deduct</i>	-426.36	
<i>For Class 54 Rating, Add</i>	290.70	
<i>For Class 55 Rating, Add</i>	646.13	
40 05 19 00-0344 EA 20" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,890.80	596.90
<i>For Class 52 Rating, Deduct</i>	-438.50	
<i>For Class 54 Rating, Add</i>	298.98	
<i>For Class 55 Rating, Add</i>	664.53	
40 05 19 00-0345 EA 20" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,004.55	599.11
<i>For Class 52 Rating, Deduct</i>	-450.65	
<i>For Class 54 Rating, Add</i>	307.26	
<i>For Class 55 Rating, Add</i>	682.94	
40 05 19 00-0346 EA 20" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,118.30	601.33
<i>For Class 52 Rating, Deduct</i>	-462.79	
<i>For Class 54 Rating, Add</i>	315.54	
<i>For Class 55 Rating, Add</i>	701.34	
40 05 19 00-0347 EA 20" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,232.04	603.53
<i>For Class 52 Rating, Deduct</i>	-474.94	
<i>For Class 54 Rating, Add</i>	323.82	
<i>For Class 55 Rating, Add</i>	719.74	
40 05 19 00-0348 EA 20" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,345.80	605.75
<i>For Class 52 Rating, Deduct</i>	-487.08	
<i>For Class 54 Rating, Add</i>	332.10	
<i>For Class 55 Rating, Add</i>	738.15	
40 05 19 00-0349 EA 20" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,459.55	607.96
<i>For Class 52 Rating, Deduct</i>	-499.22	
<i>For Class 54 Rating, Add</i>	340.38	
<i>For Class 55 Rating, Add</i>	756.55	
40 05 19 00-0350 EA 20" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,573.30	610.16
<i>For Class 52 Rating, Deduct</i>	-511.37	
<i>For Class 54 Rating, Add</i>	348.66	
<i>For Class 55 Rating, Add</i>	774.95	
40 05 19 00-0351 EA 20" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,687.05	612.38
<i>For Class 52 Rating, Deduct</i>	-523.51	
<i>For Class 54 Rating, Add</i>	356.94	
<i>For Class 55 Rating, Add</i>	793.36	
40 05 19 00-0352 EA 20" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,800.80	614.59
<i>For Class 52 Rating, Deduct</i>	-535.66	
<i>For Class 54 Rating, Add</i>	365.22	
<i>For Class 55 Rating, Add</i>	811.76	
40 05 19 00-0353 EA 20" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,914.55	616.80
<i>For Class 52 Rating, Deduct</i>	-547.80	
<i>For Class 54 Rating, Add</i>	373.50	
<i>For Class 55 Rating, Add</i>	830.17	
40 05 19 00-0354 EA 20" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,028.29	619.01
<i>For Class 52 Rating, Deduct</i>	-559.94	
<i>For Class 54 Rating, Add</i>	381.78	
<i>For Class 55 Rating, Add</i>	848.57	
40 05 19 00-0355 EA 20" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,142.04	621.23
<i>For Class 52 Rating, Deduct</i>	-572.09	
<i>For Class 54 Rating, Add</i>	390.06	
<i>For Class 55 Rating, Add</i>	866.97	



**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0356	EA		20" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,255.79	623.43
			<i>For Class 52 Rating, Deduct</i>	-584.23	
			<i>For Class 54 Rating, Add</i>	398.34	
			<i>For Class 55 Rating, Add</i>	885.38	
40 05 19 00-0357	EA		20" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,369.55	625.64
			<i>For Class 52 Rating, Deduct</i>	-596.38	
			<i>For Class 54 Rating, Add</i>	406.62	
			<i>For Class 55 Rating, Add</i>	903.78	
40 05 19 00-0358	EA		20" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,483.30	627.86
			<i>For Class 52 Rating, Deduct</i>	-608.52	
			<i>For Class 54 Rating, Add</i>	414.90	
			<i>For Class 55 Rating, Add</i>	922.18	
<b>40 05 19 00-0359</b>			<b>24" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small></b>		
40 05 19 00-0360	EA		24" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,784.49	645.54
			<i>For Class 52 Rating, Deduct</i>	-198.70	
			<i>For Class 54 Rating, Add</i>	135.48	
			<i>For Class 55 Rating, Add</i>	301.13	
40 05 19 00-0361	EA		24" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,924.64	647.76
			<i>For Class 52 Rating, Deduct</i>	-213.75	
			<i>For Class 54 Rating, Add</i>	145.74	
			<i>For Class 55 Rating, Add</i>	323.93	
40 05 19 00-0362	EA		24" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,064.79	649.96
			<i>For Class 52 Rating, Deduct</i>	-228.80	
			<i>For Class 54 Rating, Add</i>	156.00	
			<i>For Class 55 Rating, Add</i>	346.74	
40 05 19 00-0363	EA		24" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,204.94	652.17
			<i>For Class 52 Rating, Deduct</i>	-243.85	
			<i>For Class 54 Rating, Add</i>	166.26	
			<i>For Class 55 Rating, Add</i>	369.54	
40 05 19 00-0364	EA		24" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,345.09	654.39
			<i>For Class 52 Rating, Deduct</i>	-258.90	
			<i>For Class 54 Rating, Add</i>	176.52	
			<i>For Class 55 Rating, Add</i>	392.35	
40 05 19 00-0365	EA		24" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,485.24	656.59
			<i>For Class 52 Rating, Deduct</i>	-273.94	
			<i>For Class 54 Rating, Add</i>	186.78	
			<i>For Class 55 Rating, Add</i>	415.15	
40 05 19 00-0366	EA		24" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,625.38	658.81
			<i>For Class 52 Rating, Deduct</i>	-288.99	
			<i>For Class 54 Rating, Add</i>	197.04	
			<i>For Class 55 Rating, Add</i>	437.95	
40 05 19 00-0367	EA		24" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,765.54	661.02
			<i>For Class 52 Rating, Deduct</i>	-304.04	
			<i>For Class 54 Rating, Add</i>	207.30	
			<i>For Class 55 Rating, Add</i>	460.76	
40 05 19 00-0368	EA		24" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,905.69	663.22
			<i>For Class 52 Rating, Deduct</i>	-319.09	
			<i>For Class 54 Rating, Add</i>	217.56	
			<i>For Class 55 Rating, Add</i>	483.56	
40 05 19 00-0369	EA		24" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,045.84	665.44
			<i>For Class 52 Rating, Deduct</i>	-334.14	
			<i>For Class 54 Rating, Add</i>	227.82	
			<i>For Class 55 Rating, Add</i>	506.37	
40 05 19 00-0370	EA		24" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,185.99	667.65
			<i>For Class 52 Rating, Deduct</i>	-349.18	
			<i>For Class 54 Rating, Add</i>	238.08	
			<i>For Class 55 Rating, Add</i>	529.17	
40 05 19 00-0371	EA		24" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,326.14	669.86
			<i>For Class 52 Rating, Deduct</i>	-364.23	
			<i>For Class 54 Rating, Add</i>	248.34	
			<i>For Class 55 Rating, Add</i>	551.98	
40 05 19 00-0372	EA		24" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,466.29	672.07
			<i>For Class 52 Rating, Deduct</i>	-379.28	
			<i>For Class 54 Rating, Add</i>	258.60	
			<i>For Class 55 Rating, Add</i>	574.78	
40 05 19 00-0373	EA		24" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,606.43	674.29
			<i>For Class 52 Rating, Deduct</i>	-394.33	
			<i>For Class 54 Rating, Add</i>	268.86	
			<i>For Class 55 Rating, Add</i>	597.59	
40 05 19 00-0374	EA		24" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,746.58	676.49
			<i>For Class 52 Rating, Deduct</i>	-409.38	
			<i>For Class 54 Rating, Add</i>	279.12	
			<i>For Class 55 Rating, Add</i>	620.39	
40 05 19 00-0375	EA		24" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,886.74	678.70
			<i>For Class 52 Rating, Deduct</i>	-424.42	
			<i>For Class 54 Rating, Add</i>	289.38	
			<i>For Class 55 Rating, Add</i>	643.20	
40 05 19 00-0376	EA		24" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,026.89	680.91
			<i>For Class 52 Rating, Deduct</i>	-439.47	
			<i>For Class 54 Rating, Add</i>	299.64	
			<i>For Class 55 Rating, Add</i>	666.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0377 EA 24" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,167.04	683.12
<i>For Class 52 Rating, Deduct</i>	-454.52	
<i>For Class 54 Rating, Add</i>	309.90	
<i>For Class 55 Rating, Add</i>	688.80	
40 05 19 00-0378 EA 24" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,307.19	685.34
<i>For Class 52 Rating, Deduct</i>	-469.57	
<i>For Class 54 Rating, Add</i>	320.16	
<i>For Class 55 Rating, Add</i>	711.61	
40 05 19 00-0379 EA 24" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,447.33	687.54
<i>For Class 52 Rating, Deduct</i>	-484.62	
<i>For Class 54 Rating, Add</i>	330.42	
<i>For Class 55 Rating, Add</i>	734.41	
40 05 19 00-0380 EA 24" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,587.48	689.75
<i>For Class 52 Rating, Deduct</i>	-499.66	
<i>For Class 54 Rating, Add</i>	340.68	
<i>For Class 55 Rating, Add</i>	757.22	
40 05 19 00-0381 EA 24" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,727.63	691.97
<i>For Class 52 Rating, Deduct</i>	-514.71	
<i>For Class 54 Rating, Add</i>	350.94	
<i>For Class 55 Rating, Add</i>	780.02	
40 05 19 00-0382 EA 24" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,867.78	694.17
<i>For Class 52 Rating, Deduct</i>	-529.76	
<i>For Class 54 Rating, Add</i>	361.20	
<i>For Class 55 Rating, Add</i>	802.83	
40 05 19 00-0383 EA 24" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,007.94	696.39
<i>For Class 52 Rating, Deduct</i>	-544.81	
<i>For Class 54 Rating, Add</i>	371.46	
<i>For Class 55 Rating, Add</i>	825.63	
40 05 19 00-0384 EA 24" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,148.09	698.60
<i>For Class 52 Rating, Deduct</i>	-559.86	
<i>For Class 54 Rating, Add</i>	381.72	
<i>For Class 55 Rating, Add</i>	848.44	
40 05 19 00-0385 EA 24" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,288.23	700.80
<i>For Class 52 Rating, Deduct</i>	-574.90	
<i>For Class 54 Rating, Add</i>	391.98	
<i>For Class 55 Rating, Add</i>	871.24	
40 05 19 00-0386 EA 24" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,428.38	703.02
<i>For Class 52 Rating, Deduct</i>	-589.95	
<i>For Class 54 Rating, Add</i>	402.24	
<i>For Class 55 Rating, Add</i>	894.05	
40 05 19 00-0387 EA 24" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,568.53	705.23
<i>For Class 52 Rating, Deduct</i>	-605.00	
<i>For Class 54 Rating, Add</i>	412.50	
<i>For Class 55 Rating, Add</i>	916.85	
40 05 19 00-0388 EA 24" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,708.68	707.44
<i>For Class 52 Rating, Deduct</i>	-620.05	
<i>For Class 54 Rating, Add</i>	422.76	
<i>For Class 55 Rating, Add</i>	939.65	
40 05 19 00-0389 EA 24" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,905.77	747.23
<i>For Class 52 Rating, Deduct</i>	-635.10	
<i>For Class 54 Rating, Add</i>	433.02	
<i>For Class 55 Rating, Add</i>	962.46	
40 05 19 00-0390 EA 24" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,045.92	749.45
<i>For Class 52 Rating, Deduct</i>	-650.14	
<i>For Class 54 Rating, Add</i>	443.28	
<i>For Class 55 Rating, Add</i>	985.26	
40 05 19 00-0391 EA 24" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,186.08	751.66
<i>For Class 52 Rating, Deduct</i>	-665.19	
<i>For Class 54 Rating, Add</i>	453.54	
<i>For Class 55 Rating, Add</i>	1,008.07	
40 05 19 00-0392 EA 24" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,326.23	753.86
<i>For Class 52 Rating, Deduct</i>	-680.24	
<i>For Class 54 Rating, Add</i>	463.80	
<i>For Class 55 Rating, Add</i>	1,030.87	
40 05 19 00-0393 EA 24" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,466.37	756.08
<i>For Class 52 Rating, Deduct</i>	-695.29	
<i>For Class 54 Rating, Add</i>	474.06	
<i>For Class 55 Rating, Add</i>	1,053.68	
40 05 19 00-0394 EA 24" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,606.52	758.29
<i>For Class 52 Rating, Deduct</i>	-710.34	
<i>For Class 54 Rating, Add</i>	484.32	
<i>For Class 55 Rating, Add</i>	1,076.48	
40 05 19 00-0395 EA 24" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,746.67	760.50
<i>For Class 52 Rating, Deduct</i>	-725.38	
<i>For Class 54 Rating, Add</i>	494.58	
<i>For Class 55 Rating, Add</i>	1,099.29	
40 05 19 00-0396 EA 24" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,886.82	762.71
<i>For Class 52 Rating, Deduct</i>	-740.43	
<i>For Class 54 Rating, Add</i>	504.84	
<i>For Class 55 Rating, Add</i>	1,122.09	
40 05 19 00-0397 EA 24" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,026.97	764.93
<i>For Class 52 Rating, Deduct</i>	-755.48	
<i>For Class 54 Rating, Add</i>	515.10	
<i>For Class 55 Rating, Add</i>	1,144.90	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0398 30" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0002)</small>		
40 05 19 00-0399 EA 30" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,252.04	910.83
For Class 52 Rating, Deduct	-315.92	
For Class 54 Rating, Add	215.40	
For Class 55 Rating, Add	478.76	
40 05 19 00-0400 EA 30" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,452.99	913.04
For Class 52 Rating, Deduct	-337.66	
For Class 54 Rating, Add	230.22	
For Class 55 Rating, Add	511.70	
40 05 19 00-0401 EA 30" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,653.95	915.26
For Class 52 Rating, Deduct	-359.39	
For Class 54 Rating, Add	245.04	
For Class 55 Rating, Add	544.64	
40 05 19 00-0402 EA 30" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,854.90	917.46
For Class 52 Rating, Deduct	-381.13	
For Class 54 Rating, Add	259.86	
For Class 55 Rating, Add	577.58	
40 05 19 00-0403 EA 30" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,055.85	919.68
For Class 52 Rating, Deduct	-402.86	
For Class 54 Rating, Add	274.68	
For Class 55 Rating, Add	610.52	
40 05 19 00-0404 EA 30" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,256.80	921.89
For Class 52 Rating, Deduct	-424.60	
For Class 54 Rating, Add	289.50	
For Class 55 Rating, Add	643.46	
40 05 19 00-0405 EA 30" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,457.74	924.09
For Class 52 Rating, Deduct	-446.34	
For Class 54 Rating, Add	304.32	
For Class 55 Rating, Add	676.40	
40 05 19 00-0406 EA 30" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,658.69	926.31
For Class 52 Rating, Deduct	-468.07	
For Class 54 Rating, Add	319.14	
For Class 55 Rating, Add	709.34	
40 05 19 00-0407 EA 30" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,859.64	928.51
For Class 52 Rating, Deduct	-489.81	
For Class 54 Rating, Add	333.96	
For Class 55 Rating, Add	742.28	
40 05 19 00-0408 EA 30" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,060.59	930.73
For Class 52 Rating, Deduct	-511.54	
For Class 54 Rating, Add	348.78	
For Class 55 Rating, Add	775.22	
40 05 19 00-0409 EA 30" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,261.55	932.94
For Class 52 Rating, Deduct	-533.28	
For Class 54 Rating, Add	363.60	
For Class 55 Rating, Add	808.16	
40 05 19 00-0410 EA 30" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,462.50	935.14
For Class 52 Rating, Deduct	-555.02	
For Class 54 Rating, Add	378.42	
For Class 55 Rating, Add	841.10	
40 05 19 00-0411 EA 30" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,663.44	937.36
For Class 52 Rating, Deduct	-576.75	
For Class 54 Rating, Add	393.24	
For Class 55 Rating, Add	874.04	
40 05 19 00-0412 EA 30" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,864.39	939.57
For Class 52 Rating, Deduct	-598.49	
For Class 54 Rating, Add	408.06	
For Class 55 Rating, Add	906.98	
40 05 19 00-0413 EA 30" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,065.34	941.78
For Class 52 Rating, Deduct	-620.22	
For Class 54 Rating, Add	422.88	
For Class 55 Rating, Add	939.92	
40 05 19 00-0414 EA 30" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,266.29	943.99
For Class 52 Rating, Deduct	-641.96	
For Class 54 Rating, Add	437.70	
For Class 55 Rating, Add	972.86	
40 05 19 00-0415 EA 30" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,467.24	946.21
For Class 52 Rating, Deduct	-663.70	
For Class 54 Rating, Add	452.52	
For Class 55 Rating, Add	1,005.80	
40 05 19 00-0416 EA 30" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,668.19	948.41
For Class 52 Rating, Deduct	-685.43	
For Class 54 Rating, Add	467.34	
For Class 55 Rating, Add	1,038.74	
40 05 19 00-0417 EA 30" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,869.14	950.62
For Class 52 Rating, Deduct	-707.17	
For Class 54 Rating, Add	482.16	
For Class 55 Rating, Add	1,071.68	
40 05 19 00-0418 EA 30" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,070.09	952.84
For Class 52 Rating, Deduct	-728.90	
For Class 54 Rating, Add	496.98	
For Class 55 Rating, Add	1,104.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0419 EA 30" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,271.04	955.04
<i>For Class 52 Rating, Deduct</i>	-750.64	
<i>For Class 54 Rating, Add</i>	511.80	
<i>For Class 55 Rating, Add</i>	1,137.56	
40 05 19 00-0420 EA 30" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,471.99	957.26
<i>For Class 52 Rating, Deduct</i>	-772.38	
<i>For Class 54 Rating, Add</i>	526.62	
<i>For Class 55 Rating, Add</i>	1,170.50	
40 05 19 00-0421 EA 30" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,672.94	959.47
<i>For Class 52 Rating, Deduct</i>	-794.11	
<i>For Class 54 Rating, Add</i>	541.44	
<i>For Class 55 Rating, Add</i>	1,203.44	
40 05 19 00-0422 EA 30" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,873.89	961.67
<i>For Class 52 Rating, Deduct</i>	-815.85	
<i>For Class 54 Rating, Add</i>	556.26	
<i>For Class 55 Rating, Add</i>	1,236.38	
40 05 19 00-0423 EA 30" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,074.04	963.89
<i>For Class 52 Rating, Deduct</i>	-837.50	
<i>For Class 54 Rating, Add</i>	571.02	
<i>For Class 55 Rating, Add</i>	1,269.19	
40 05 19 00-0424 EA 30" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,275.78	966.10
<i>For Class 52 Rating, Deduct</i>	-859.32	
<i>For Class 54 Rating, Add</i>	585.90	
<i>For Class 55 Rating, Add</i>	1,302.26	
40 05 19 00-0425 EA 30" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,476.74	968.31
<i>For Class 52 Rating, Deduct</i>	-881.06	
<i>For Class 54 Rating, Add</i>	600.72	
<i>For Class 55 Rating, Add</i>	1,335.20	
40 05 19 00-0426 EA 30" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,677.69	970.52
<i>For Class 52 Rating, Deduct</i>	-902.79	
<i>For Class 54 Rating, Add</i>	615.54	
<i>For Class 55 Rating, Add</i>	1,368.14	
40 05 19 00-0427 EA 30" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,878.64	972.74
<i>For Class 52 Rating, Deduct</i>	-924.53	
<i>For Class 54 Rating, Add</i>	630.36	
<i>For Class 55 Rating, Add</i>	1,401.08	
40 05 19 00-0428 EA 30" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,079.59	974.94
<i>For Class 52 Rating, Deduct</i>	-946.26	
<i>For Class 54 Rating, Add</i>	645.18	
<i>For Class 55 Rating, Add</i>	1,434.02	
40 05 19 00-0429 EA 30" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,280.54	977.15
<i>For Class 52 Rating, Deduct</i>	-968.00	
<i>For Class 54 Rating, Add</i>	660.00	
<i>For Class 55 Rating, Add</i>	1,466.96	
40 05 19 00-0430 EA 30" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,481.48	979.37
<i>For Class 52 Rating, Deduct</i>	-989.74	
<i>For Class 54 Rating, Add</i>	674.82	
<i>For Class 55 Rating, Add</i>	1,499.90	
40 05 19 00-0431 EA 30" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,682.43	981.57
<i>For Class 52 Rating, Deduct</i>	-1,011.47	
<i>For Class 54 Rating, Add</i>	689.64	
<i>For Class 55 Rating, Add</i>	1,532.84	
40 05 19 00-0432 EA 30" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,883.38	983.79
<i>For Class 52 Rating, Deduct</i>	-1,033.21	
<i>For Class 54 Rating, Add</i>	704.46	
<i>For Class 55 Rating, Add</i>	1,565.78	
40 05 19 00-0433 EA 30" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,084.34	986.00
<i>For Class 52 Rating, Deduct</i>	-1,054.94	
<i>For Class 54 Rating, Add</i>	719.28	
<i>For Class 55 Rating, Add</i>	1,598.72	
40 05 19 00-0434 EA 30" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,285.29	988.20
<i>For Class 52 Rating, Deduct</i>	-1,076.68	
<i>For Class 54 Rating, Add</i>	734.10	
<i>For Class 55 Rating, Add</i>	1,631.66	
40 05 19 00-0435 EA 30" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,486.24	990.42
<i>For Class 52 Rating, Deduct</i>	-1,098.42	
<i>For Class 54 Rating, Add</i>	748.92	
<i>For Class 55 Rating, Add</i>	1,664.60	
40 05 19 00-0436 EA 30" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,687.18	992.63
<i>For Class 52 Rating, Deduct</i>	-1,120.15	
<i>For Class 54 Rating, Add</i>	763.74	
<i>For Class 55 Rating, Add</i>	1,697.54	
<b>40 05 19 00-0437 36" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0002)</small>		
40 05 19 00-0438 EA 36" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,858.11	1,154.02
<i>For Class 52 Rating, Deduct</i>	-452.06	
<i>For Class 54 Rating, Add</i>	308.22	
<i>For Class 55 Rating, Add</i>	685.07	
40 05 19 00-0439 EA 36" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,130.26	1,156.23
<i>For Class 52 Rating, Deduct</i>	-481.62	
<i>For Class 54 Rating, Add</i>	328.38	
<i>For Class 55 Rating, Add</i>	729.88	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0440	EA		36" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,402.40	1,158.43
			<i>For Class 52 Rating, Deduct</i>	-511.19	
			<i>For Class 54 Rating, Add</i>	348.54	
			<i>For Class 55 Rating, Add</i>	774.69	
40 05 19 00-0441	EA		36" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,674.55	1,160.65
			<i>For Class 52 Rating, Deduct</i>	-540.76	
			<i>For Class 54 Rating, Add</i>	368.70	
			<i>For Class 55 Rating, Add</i>	819.50	
40 05 19 00-0442	EA		36" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,946.70	1,162.86
			<i>For Class 52 Rating, Deduct</i>	-570.33	
			<i>For Class 54 Rating, Add</i>	388.86	
			<i>For Class 55 Rating, Add</i>	864.31	
40 05 19 00-0443	EA		36" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,218.85	1,165.07
			<i>For Class 52 Rating, Deduct</i>	-599.90	
			<i>For Class 54 Rating, Add</i>	409.02	
			<i>For Class 55 Rating, Add</i>	909.12	
40 05 19 00-0444	EA		36" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,491.01	1,167.28
			<i>For Class 52 Rating, Deduct</i>	-629.46	
			<i>For Class 54 Rating, Add</i>	429.18	
			<i>For Class 55 Rating, Add</i>	953.92	
40 05 19 00-0445	EA		36" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,763.16	1,169.49
			<i>For Class 52 Rating, Deduct</i>	-659.03	
			<i>For Class 54 Rating, Add</i>	449.34	
			<i>For Class 55 Rating, Add</i>	998.73	
40 05 19 00-0446	EA		36" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,035.31	1,171.70
			<i>For Class 52 Rating, Deduct</i>	-688.60	
			<i>For Class 54 Rating, Add</i>	469.50	
			<i>For Class 55 Rating, Add</i>	1,043.54	
40 05 19 00-0447	EA		36" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,307.45	1,173.91
			<i>For Class 52 Rating, Deduct</i>	-718.17	
			<i>For Class 54 Rating, Add</i>	489.66	
			<i>For Class 55 Rating, Add</i>	1,088.35	
40 05 19 00-0448	EA		36" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,579.60	1,176.12
			<i>For Class 52 Rating, Deduct</i>	-747.74	
			<i>For Class 54 Rating, Add</i>	509.82	
			<i>For Class 55 Rating, Add</i>	1,133.16	
40 05 19 00-0449	EA		36" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,851.75	1,178.33
			<i>For Class 52 Rating, Deduct</i>	-777.30	
			<i>For Class 54 Rating, Add</i>	529.98	
			<i>For Class 55 Rating, Add</i>	1,177.97	
40 05 19 00-0450	EA		36" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,123.90	1,180.55
			<i>For Class 52 Rating, Deduct</i>	-806.87	
			<i>For Class 54 Rating, Add</i>	550.14	
			<i>For Class 55 Rating, Add</i>	1,222.78	
40 05 19 00-0451	EA		36" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,396.05	1,182.75
			<i>For Class 52 Rating, Deduct</i>	-836.44	
			<i>For Class 54 Rating, Add</i>	570.30	
			<i>For Class 55 Rating, Add</i>	1,267.59	
40 05 19 00-0452	EA		36" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,668.21	1,184.96
			<i>For Class 52 Rating, Deduct</i>	-866.01	
			<i>For Class 54 Rating, Add</i>	590.46	
			<i>For Class 55 Rating, Add</i>	1,312.40	
40 05 19 00-0453	EA		36" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,940.35	1,187.18
			<i>For Class 52 Rating, Deduct</i>	-895.58	
			<i>For Class 54 Rating, Add</i>	610.62	
			<i>For Class 55 Rating, Add</i>	1,357.20	
40 05 19 00-0454	EA		36" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,212.50	1,189.38
			<i>For Class 52 Rating, Deduct</i>	-925.14	
			<i>For Class 54 Rating, Add</i>	630.78	
			<i>For Class 55 Rating, Add</i>	1,402.01	
40 05 19 00-0455	EA		36" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,484.65	1,191.60
			<i>For Class 52 Rating, Deduct</i>	-954.71	
			<i>For Class 54 Rating, Add</i>	650.94	
			<i>For Class 55 Rating, Add</i>	1,446.82	
40 05 19 00-0456	EA		36" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,756.80	1,193.81
			<i>For Class 52 Rating, Deduct</i>	-984.28	
			<i>For Class 54 Rating, Add</i>	671.10	
			<i>For Class 55 Rating, Add</i>	1,491.63	
40 05 19 00-0457	EA		36" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,028.95	1,196.01
			<i>For Class 52 Rating, Deduct</i>	-1,013.85	
			<i>For Class 54 Rating, Add</i>	691.26	
			<i>For Class 55 Rating, Add</i>	1,536.44	
40 05 19 00-0458	EA		36" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,301.10	1,198.23
			<i>For Class 52 Rating, Deduct</i>	-1,043.42	
			<i>For Class 54 Rating, Add</i>	711.42	
			<i>For Class 55 Rating, Add</i>	1,581.25	
40 05 19 00-0459	EA		36" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,573.24	1,200.44
			<i>For Class 52 Rating, Deduct</i>	-1,072.98	
			<i>For Class 54 Rating, Add</i>	731.58	
			<i>For Class 55 Rating, Add</i>	1,626.06	
40 05 19 00-0460	EA		36" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,845.39	1,202.65
			<i>For Class 52 Rating, Deduct</i>	-1,102.55	
			<i>For Class 54 Rating, Add</i>	751.74	
			<i>For Class 55 Rating, Add</i>	1,670.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0461 EA 36" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,117.55	1,204.86
<i>For Class 52 Rating, Deduct</i>	-1,132.12	
<i>For Class 54 Rating, Add</i>	771.90	
<i>For Class 55 Rating, Add</i>	1,715.68	
40 05 19 00-0462 EA 36" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,389.70	1,207.07
<i>For Class 52 Rating, Deduct</i>	-1,161.69	
<i>For Class 54 Rating, Add</i>	792.06	
<i>For Class 55 Rating, Add</i>	1,760.49	
40 05 19 00-0463 EA 36" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,661.85	1,209.28
<i>For Class 52 Rating, Deduct</i>	-1,191.26	
<i>For Class 54 Rating, Add</i>	812.22	
<i>For Class 55 Rating, Add</i>	1,805.29	
40 05 19 00-0464 EA 36" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,934.00	1,211.49
<i>For Class 52 Rating, Deduct</i>	-1,220.82	
<i>For Class 54 Rating, Add</i>	832.38	
<i>For Class 55 Rating, Add</i>	1,850.10	
40 05 19 00-0465 EA 36" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,206.14	1,213.71
<i>For Class 52 Rating, Deduct</i>	-1,250.39	
<i>For Class 54 Rating, Add</i>	852.54	
<i>For Class 55 Rating, Add</i>	1,894.91	
40 05 19 00-0466 EA 36" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,478.29	1,215.91
<i>For Class 52 Rating, Deduct</i>	-1,279.96	
<i>For Class 54 Rating, Add</i>	872.70	
<i>For Class 55 Rating, Add</i>	1,939.72	
40 05 19 00-0467 EA 36" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,750.44	1,218.13
<i>For Class 52 Rating, Deduct</i>	-1,309.53	
<i>For Class 54 Rating, Add</i>	892.86	
<i>For Class 55 Rating, Add</i>	1,984.53	
40 05 19 00-0468 EA 36" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,022.59	1,220.34
<i>For Class 52 Rating, Deduct</i>	-1,339.10	
<i>For Class 54 Rating, Add</i>	913.02	
<i>For Class 55 Rating, Add</i>	2,029.34	
40 05 19 00-0469 EA 36" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,294.75	1,222.54
<i>For Class 52 Rating, Deduct</i>	-1,368.66	
<i>For Class 54 Rating, Add</i>	933.18	
<i>For Class 55 Rating, Add</i>	2,074.15	
40 05 19 00-0470 EA 36" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,566.90	1,224.76
<i>For Class 52 Rating, Deduct</i>	-1,398.23	
<i>For Class 54 Rating, Add</i>	953.34	
<i>For Class 55 Rating, Add</i>	2,118.96	
40 05 19 00-0471 EA 36" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,839.05	1,226.97
<i>For Class 52 Rating, Deduct</i>	-1,427.80	
<i>For Class 54 Rating, Add</i>	973.50	
<i>For Class 55 Rating, Add</i>	2,163.77	
40 05 19 00-0472 EA 36" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,111.19	1,229.18
<i>For Class 52 Rating, Deduct</i>	-1,457.37	
<i>For Class 54 Rating, Add</i>	993.66	
<i>For Class 55 Rating, Add</i>	2,208.57	
40 05 19 00-0473 EA 36" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,383.34	1,231.39
<i>For Class 52 Rating, Deduct</i>	-1,486.94	
<i>For Class 54 Rating, Add</i>	1,013.82	
<i>For Class 55 Rating, Add</i>	2,253.38	
40 05 19 00-0474 EA 36" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,655.49	1,233.60
<i>For Class 52 Rating, Deduct</i>	-1,516.50	
<i>For Class 54 Rating, Add</i>	1,033.98	
<i>For Class 55 Rating, Add</i>	2,298.19	
40 05 19 00-0475 EA 36" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,927.64	1,235.81
<i>For Class 52 Rating, Deduct</i>	-1,546.07	
<i>For Class 54 Rating, Add</i>	1,054.14	
<i>For Class 55 Rating, Add</i>	2,343.00	
<b>40 05 19 00-0476 42" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0002)</small>		
40 05 19 00-0477 EA 42" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,686.45	1,454.68
<i>For Class 52 Rating, Deduct</i>	-603.06	
<i>For Class 54 Rating, Add</i>	411.18	
<i>For Class 55 Rating, Add</i>	913.92	
40 05 19 00-0478 EA 42" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,091.41	1,456.88
<i>For Class 52 Rating, Deduct</i>	-647.24	
<i>For Class 54 Rating, Add</i>	441.30	
<i>For Class 55 Rating, Add</i>	980.86	
40 05 19 00-0479 EA 42" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,491.56	1,459.10
<i>For Class 52 Rating, Deduct</i>	-690.89	
<i>For Class 54 Rating, Add</i>	471.06	
<i>For Class 55 Rating, Add</i>	1,047.01	
40 05 19 00-0480 EA 42" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,895.71	1,461.31
<i>For Class 52 Rating, Deduct</i>	-734.98	
<i>For Class 54 Rating, Add</i>	501.12	
<i>For Class 55 Rating, Add</i>	1,113.82	
40 05 19 00-0481 EA 42" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,295.85	1,463.52
<i>For Class 52 Rating, Deduct</i>	-778.62	
<i>For Class 54 Rating, Add</i>	530.88	
<i>For Class 55 Rating, Add</i>	1,179.97	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0482	EA		42" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,700.80	1,465.73
			<i>For Class 52 Rating, Deduct</i>	-822.80	
			<i>For Class 54 Rating, Add</i>	561.00	
			<i>For Class 55 Rating, Add</i>	1,246.92	
40 05 19 00-0483	EA		42" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,100.15	1,467.94
			<i>For Class 52 Rating, Deduct</i>	-866.36	
			<i>For Class 54 Rating, Add</i>	590.70	
			<i>For Class 55 Rating, Add</i>	1,312.93	
40 05 19 00-0484	EA		42" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,505.10	1,470.15
			<i>For Class 52 Rating, Deduct</i>	-910.54	
			<i>For Class 54 Rating, Add</i>	620.82	
			<i>For Class 55 Rating, Add</i>	1,379.88	
40 05 19 00-0485	EA		42" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,905.25	1,472.36
			<i>For Class 52 Rating, Deduct</i>	-954.18	
			<i>For Class 54 Rating, Add</i>	650.58	
			<i>For Class 55 Rating, Add</i>	1,446.02	
40 05 19 00-0486	EA		42" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,309.41	1,474.58
			<i>For Class 52 Rating, Deduct</i>	-998.27	
			<i>For Class 54 Rating, Add</i>	680.64	
			<i>For Class 55 Rating, Add</i>	1,512.84	
40 05 19 00-0487	EA		42" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,709.56	1,476.78
			<i>For Class 52 Rating, Deduct</i>	-1,041.92	
			<i>For Class 54 Rating, Add</i>	710.40	
			<i>For Class 55 Rating, Add</i>	1,578.98	
40 05 19 00-0488	EA		42" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,113.70	1,479.00
			<i>For Class 52 Rating, Deduct</i>	-1,086.01	
			<i>For Class 54 Rating, Add</i>	740.46	
			<i>For Class 55 Rating, Add</i>	1,645.80	
40 05 19 00-0489	EA		42" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,513.85	1,481.21
			<i>For Class 52 Rating, Deduct</i>	-1,129.66	
			<i>For Class 54 Rating, Add</i>	770.22	
			<i>For Class 55 Rating, Add</i>	1,711.94	
40 05 19 00-0490	EA		42" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,914.80	1,483.41
			<i>For Class 52 Rating, Deduct</i>	-1,173.39	
			<i>For Class 54 Rating, Add</i>	800.04	
			<i>For Class 55 Rating, Add</i>	1,778.22	
40 05 19 00-0491	EA		42" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,318.15	1,485.63
			<i>For Class 52 Rating, Deduct</i>	-1,217.39	
			<i>For Class 54 Rating, Add</i>	830.04	
			<i>For Class 55 Rating, Add</i>	1,844.90	
40 05 19 00-0492	EA		42" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,718.30	1,487.84
			<i>For Class 52 Rating, Deduct</i>	-1,261.04	
			<i>For Class 54 Rating, Add</i>	859.80	
			<i>For Class 55 Rating, Add</i>	1,911.05	
40 05 19 00-0493	EA		42" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,123.25	1,490.05
			<i>For Class 52 Rating, Deduct</i>	-1,305.22	
			<i>For Class 54 Rating, Add</i>	889.92	
			<i>For Class 55 Rating, Add</i>	1,978.00	
40 05 19 00-0494	EA		42" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,523.40	1,492.26
			<i>For Class 52 Rating, Deduct</i>	-1,348.86	
			<i>For Class 54 Rating, Add</i>	919.68	
			<i>For Class 55 Rating, Add</i>	2,044.14	
40 05 19 00-0495	EA		42" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,927.55	1,494.47
			<i>For Class 52 Rating, Deduct</i>	-1,392.95	
			<i>For Class 54 Rating, Add</i>	949.74	
			<i>For Class 55 Rating, Add</i>	2,110.96	
40 05 19 00-0496	EA		42" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,327.70	1,496.68
			<i>For Class 52 Rating, Deduct</i>	-1,436.60	
			<i>For Class 54 Rating, Add</i>	979.50	
			<i>For Class 55 Rating, Add</i>	2,177.10	
40 05 19 00-0497	EA		42" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,732.65	1,498.89
			<i>For Class 52 Rating, Deduct</i>	-1,480.78	
			<i>For Class 54 Rating, Add</i>	1,009.62	
			<i>For Class 55 Rating, Add</i>	2,244.05	
40 05 19 00-0498	EA		42" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,132.80	1,501.11
			<i>For Class 52 Rating, Deduct</i>	-1,524.42	
			<i>For Class 54 Rating, Add</i>	1,039.38	
			<i>For Class 55 Rating, Add</i>	2,310.20	
40 05 19 00-0499	EA		42" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,536.95	1,503.31
			<i>For Class 52 Rating, Deduct</i>	-1,568.51	
			<i>For Class 54 Rating, Add</i>	1,069.44	
			<i>For Class 55 Rating, Add</i>	2,377.01	
40 05 19 00-0500	EA		42" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,937.09	1,505.52
			<i>For Class 52 Rating, Deduct</i>	-1,612.16	
			<i>For Class 54 Rating, Add</i>	1,099.20	
			<i>For Class 55 Rating, Add</i>	2,443.16	
40 05 19 00-0501	EA		42" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,342.04	1,507.74
			<i>For Class 52 Rating, Deduct</i>	-1,656.34	
			<i>For Class 54 Rating, Add</i>	1,129.32	
			<i>For Class 55 Rating, Add</i>	2,510.10	
40 05 19 00-0502	EA		42" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,742.19	1,509.94
			<i>For Class 52 Rating, Deduct</i>	-1,699.98	
			<i>For Class 54 Rating, Add</i>	1,159.08	
			<i>For Class 55 Rating, Add</i>	2,576.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0503 EA 42" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	18,145.55	1,512.16
<i>For Class 52 Rating, Deduct</i>	-1,743.98	
<i>For Class 54 Rating, Add</i>	1,189.08	
<i>For Class 55 Rating, Add</i>	2,642.93	
40 05 19 00-0504 EA 42" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	18,546.50	1,514.37
<i>For Class 52 Rating, Deduct</i>	-1,787.72	
<i>For Class 54 Rating, Add</i>	1,218.90	
<i>For Class 55 Rating, Add</i>	2,709.21	
40 05 19 00-0505 EA 42" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	18,866.65	1,516.58
<i>For Class 52 Rating, Deduct</i>	-1,822.57	
<i>For Class 54 Rating, Add</i>	1,242.66	
<i>For Class 55 Rating, Add</i>	2,762.02	
40 05 19 00-0506 EA 42" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	19,350.79	1,518.79
<i>For Class 52 Rating, Deduct</i>	-1,875.46	
<i>For Class 54 Rating, Add</i>	1,278.72	
<i>For Class 55 Rating, Add</i>	2,842.17	
40 05 19 00-0507 EA 42" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	19,750.94	1,521.00
<i>For Class 52 Rating, Deduct</i>	-1,919.10	
<i>For Class 54 Rating, Add</i>	1,308.48	
<i>For Class 55 Rating, Add</i>	2,908.31	
40 05 19 00-0508 EA 42" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	20,155.09	1,523.21
<i>For Class 52 Rating, Deduct</i>	-1,963.19	
<i>For Class 54 Rating, Add</i>	1,338.54	
<i>For Class 55 Rating, Add</i>	2,975.13	
40 05 19 00-0509 EA 42" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	20,555.24	1,525.42
<i>For Class 52 Rating, Deduct</i>	-2,006.84	
<i>For Class 54 Rating, Add</i>	1,368.30	
<i>For Class 55 Rating, Add</i>	3,041.27	
40 05 19 00-0510 EA 42" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	20,960.19	1,527.64
<i>For Class 52 Rating, Deduct</i>	-2,051.02	
<i>For Class 54 Rating, Add</i>	1,398.42	
<i>For Class 55 Rating, Add</i>	3,108.22	
40 05 19 00-0511 EA 42" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	21,359.55	1,529.84
<i>For Class 52 Rating, Deduct</i>	-2,094.58	
<i>For Class 54 Rating, Add</i>	1,428.12	
<i>For Class 55 Rating, Add</i>	3,174.23	
40 05 19 00-0512 EA 42" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	21,764.50	1,532.05
<i>For Class 52 Rating, Deduct</i>	-2,138.75	
<i>For Class 54 Rating, Add</i>	1,458.24	
<i>For Class 55 Rating, Add</i>	3,241.18	
40 05 19 00-0513 EA 42" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	22,164.64	1,534.27
<i>For Class 52 Rating, Deduct</i>	-2,182.40	
<i>For Class 54 Rating, Add</i>	1,488.00	
<i>For Class 55 Rating, Add</i>	3,307.33	
40 05 19 00-0514 EA 42" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	22,568.79	1,536.47
<i>For Class 52 Rating, Deduct</i>	-2,226.49	
<i>For Class 54 Rating, Add</i>	1,518.06	
<i>For Class 55 Rating, Add</i>	3,374.14	
<b>40 05 19 00-0515 48" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0002)</small>		
40 05 19 00-0516 EA 48" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,643.74	1,828.29
<i>For Class 52 Rating, Deduct</i>	-756.10	
<i>For Class 54 Rating, Add</i>	515.52	
<i>For Class 55 Rating, Add</i>	1,145.83	
40 05 19 00-0517 EA 48" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,231.89	1,830.50
<i>For Class 52 Rating, Deduct</i>	-820.42	
<i>For Class 54 Rating, Add</i>	559.38	
<i>For Class 55 Rating, Add</i>	1,243.32	
40 05 19 00-0518 EA 48" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,819.24	1,832.72
<i>For Class 52 Rating, Deduct</i>	-884.66	
<i>For Class 54 Rating, Add</i>	603.18	
<i>For Class 55 Rating, Add</i>	1,340.67	
40 05 19 00-0519 EA 48" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,411.39	1,834.92
<i>For Class 52 Rating, Deduct</i>	-949.43	
<i>For Class 54 Rating, Add</i>	647.34	
<i>For Class 55 Rating, Add</i>	1,438.82	
40 05 19 00-0520 EA 48" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,999.55	1,837.14
<i>For Class 52 Rating, Deduct</i>	-1,013.76	
<i>For Class 54 Rating, Add</i>	691.20	
<i>For Class 55 Rating, Add</i>	1,536.31	
40 05 19 00-0521 EA 48" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,587.69	1,839.35
<i>For Class 52 Rating, Deduct</i>	-1,078.09	
<i>For Class 54 Rating, Add</i>	735.06	
<i>For Class 55 Rating, Add</i>	1,633.79	
40 05 19 00-0522 EA 48" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,179.04	1,841.56
<i>For Class 52 Rating, Deduct</i>	-1,142.77	
<i>For Class 54 Rating, Add</i>	779.16	
<i>For Class 55 Rating, Add</i>	1,731.81	
40 05 19 00-0523 EA 48" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,767.99	1,843.77
<i>For Class 52 Rating, Deduct</i>	-1,207.18	
<i>For Class 54 Rating, Add</i>	823.08	
<i>For Class 55 Rating, Add</i>	1,829.43	



**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0524	EA		48" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,355.34	1,845.98
			<i>For Class 52 Rating, Deduct</i>	-1,271.42	
			<i>For Class 54 Rating, Add</i>	866.88	
			<i>For Class 55 Rating, Add</i>	1,926.79	
40 05 19 00-0525	EA		48" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,947.49	1,848.19
			<i>For Class 52 Rating, Deduct</i>	-1,336.19	
			<i>For Class 54 Rating, Add</i>	911.04	
			<i>For Class 55 Rating, Add</i>	2,024.94	
40 05 19 00-0526	EA		48" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,535.64	1,850.40
			<i>For Class 52 Rating, Deduct</i>	-1,400.52	
			<i>For Class 54 Rating, Add</i>	954.90	
			<i>For Class 55 Rating, Add</i>	2,122.42	
40 05 19 00-0527	EA		48" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,127.78	1,852.62
			<i>For Class 52 Rating, Deduct</i>	-1,465.29	
			<i>For Class 54 Rating, Add</i>	999.06	
			<i>For Class 55 Rating, Add</i>	2,220.58	
40 05 19 00-0528	EA		48" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,715.14	1,854.82
			<i>For Class 52 Rating, Deduct</i>	-1,529.53	
			<i>For Class 54 Rating, Add</i>	1,042.86	
			<i>For Class 55 Rating, Add</i>	2,317.93	
40 05 19 00-0529	EA		48" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,303.29	1,857.03
			<i>For Class 52 Rating, Deduct</i>	-1,593.86	
			<i>For Class 54 Rating, Add</i>	1,086.72	
			<i>For Class 55 Rating, Add</i>	2,415.42	
40 05 19 00-0530	EA		48" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,895.44	1,859.25
			<i>For Class 52 Rating, Deduct</i>	-1,658.62	
			<i>For Class 54 Rating, Add</i>	1,130.88	
			<i>For Class 55 Rating, Add</i>	2,513.57	
40 05 19 00-0531	EA		48" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	18,483.59	1,861.45
			<i>For Class 52 Rating, Deduct</i>	-1,722.95	
			<i>For Class 54 Rating, Add</i>	1,174.74	
			<i>For Class 55 Rating, Add</i>	2,611.06	
40 05 19 00-0532	EA		48" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	19,070.94	1,863.67
			<i>For Class 52 Rating, Deduct</i>	-1,787.19	
			<i>For Class 54 Rating, Add</i>	1,218.54	
			<i>For Class 55 Rating, Add</i>	2,708.41	
40 05 19 00-0533	EA		48" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	19,663.08	1,865.88
			<i>For Class 52 Rating, Deduct</i>	-1,851.96	
			<i>For Class 54 Rating, Add</i>	1,262.70	
			<i>For Class 55 Rating, Add</i>	2,806.56	
40 05 19 00-0534	EA		48" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	20,251.23	1,868.09
			<i>For Class 52 Rating, Deduct</i>	-1,916.29	
			<i>For Class 54 Rating, Add</i>	1,306.56	
			<i>For Class 55 Rating, Add</i>	2,904.05	
40 05 19 00-0535	EA		48" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	20,838.58	1,870.30
			<i>For Class 52 Rating, Deduct</i>	-1,980.53	
			<i>For Class 54 Rating, Add</i>	1,350.36	
			<i>For Class 55 Rating, Add</i>	3,001.40	
40 05 19 00-0536	EA		48" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	21,430.74	1,872.51
			<i>For Class 52 Rating, Deduct</i>	-2,045.30	
			<i>For Class 54 Rating, Add</i>	1,394.52	
			<i>For Class 55 Rating, Add</i>	3,099.55	
40 05 19 00-0537	EA		48" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	22,019.69	1,874.72
			<i>For Class 52 Rating, Deduct</i>	-2,109.71	
			<i>For Class 54 Rating, Add</i>	1,438.44	
			<i>For Class 55 Rating, Add</i>	3,197.17	
40 05 19 00-0538	EA		48" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	22,607.04	1,876.93
			<i>For Class 52 Rating, Deduct</i>	-2,173.95	
			<i>For Class 54 Rating, Add</i>	1,482.24	
			<i>For Class 55 Rating, Add</i>	3,294.53	
40 05 19 00-0539	EA		48" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	23,199.19	1,879.15
			<i>For Class 52 Rating, Deduct</i>	-2,238.72	
			<i>For Class 54 Rating, Add</i>	1,526.40	
			<i>For Class 55 Rating, Add</i>	3,392.68	
40 05 19 00-0540	EA		48" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	23,787.33	1,881.35
			<i>For Class 52 Rating, Deduct</i>	-2,303.05	
			<i>For Class 54 Rating, Add</i>	1,570.26	
			<i>For Class 55 Rating, Add</i>	3,490.16	
40 05 19 00-0541	EA		48" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	24,374.68	1,883.56
			<i>For Class 52 Rating, Deduct</i>	-2,367.29	
			<i>For Class 54 Rating, Add</i>	1,614.06	
			<i>For Class 55 Rating, Add</i>	3,587.52	
40 05 19 00-0542	EA		48" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	24,966.83	1,885.78
			<i>For Class 52 Rating, Deduct</i>	-2,432.06	
			<i>For Class 54 Rating, Add</i>	1,658.22	
			<i>For Class 55 Rating, Add</i>	3,685.67	
40 05 19 00-0543	EA		48" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	25,554.98	1,887.98
			<i>For Class 52 Rating, Deduct</i>	-2,496.38	
			<i>For Class 54 Rating, Add</i>	1,702.08	
			<i>For Class 55 Rating, Add</i>	3,783.16	
40 05 19 00-0544	EA		48" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	26,071.14	1,890.20
			<i>For Class 52 Rating, Deduct</i>	-2,552.79	
			<i>For Class 54 Rating, Add</i>	1,740.54	
			<i>For Class 55 Rating, Add</i>	3,868.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0545 EA 48" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	26,735.29	1,892.41
<i>For Class 52 Rating, Deduct</i>	-2,625.48	
<i>For Class 54 Rating, Add</i>	1,790.10	
<i>For Class 55 Rating, Add</i>	3,978.80	
40 05 19 00-0546 EA 48" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	27,322.63	1,894.61
<i>For Class 52 Rating, Deduct</i>	-2,689.72	
<i>For Class 54 Rating, Add</i>	1,833.90	
<i>For Class 55 Rating, Add</i>	4,076.15	
40 05 19 00-0547 EA 48" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	27,915.58	1,896.83
<i>For Class 52 Rating, Deduct</i>	-2,754.58	
<i>For Class 54 Rating, Add</i>	1,878.12	
<i>For Class 55 Rating, Add</i>	4,174.43	
40 05 19 00-0548 EA 48" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	28,502.93	1,899.04
<i>For Class 52 Rating, Deduct</i>	-2,818.82	
<i>For Class 54 Rating, Add</i>	1,921.92	
<i>For Class 55 Rating, Add</i>	4,271.79	
40 05 19 00-0549 EA 48" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	29,090.28	1,901.25
<i>For Class 52 Rating, Deduct</i>	-2,883.06	
<i>For Class 54 Rating, Add</i>	1,965.72	
<i>For Class 55 Rating, Add</i>	4,369.14	
40 05 19 00-0550 EA 48" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	29,683.23	1,903.46
<i>For Class 52 Rating, Deduct</i>	-2,947.91	
<i>For Class 54 Rating, Add</i>	2,009.94	
<i>For Class 55 Rating, Add</i>	4,467.43	
40 05 19 00-0551 EA 48" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	30,270.58	1,905.68
<i>For Class 52 Rating, Deduct</i>	-3,012.15	
<i>For Class 54 Rating, Add</i>	2,053.74	
<i>For Class 55 Rating, Add</i>	4,564.78	
40 05 19 00-0552 EA 48" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	30,858.72	1,907.88
<i>For Class 52 Rating, Deduct</i>	-3,076.48	
<i>For Class 54 Rating, Add</i>	2,097.60	
<i>For Class 55 Rating, Add</i>	4,662.27	
40 05 19 00-0553 EA 48" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	31,450.88	1,910.09
<i>For Class 52 Rating, Deduct</i>	-3,141.25	
<i>For Class 54 Rating, Add</i>	2,141.76	
<i>For Class 55 Rating, Add</i>	4,760.42	
 40 05 19 00-0554 Flanged End x Grooved End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0001)</small>		
 40 05 19 00-0555 4" Flanged End x Grooved End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0556 EA 4" Flanged x Grooved (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	289.27	101.17
<i>For Class 52 Rating, Deduct</i>	-14.96	
<i>For Class 54 Rating, Add</i>	10.20	
<i>For Class 55 Rating, Add</i>	22.67	
40 05 19 00-0557 EA 4" Flanged x Grooved (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	312.76	102.93
<i>For Class 52 Rating, Deduct</i>	-17.25	
<i>For Class 54 Rating, Add</i>	11.76	
<i>For Class 55 Rating, Add</i>	26.14	
40 05 19 00-0558 EA 4" Flanged x Grooved (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	336.23	104.71
<i>For Class 52 Rating, Deduct</i>	-19.54	
<i>For Class 54 Rating, Add</i>	13.32	
<i>For Class 55 Rating, Add</i>	29.61	
40 05 19 00-0559 EA 4" Flanged x Grooved (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	359.72	106.47
<i>For Class 52 Rating, Deduct</i>	-21.82	
<i>For Class 54 Rating, Add</i>	14.88	
<i>For Class 55 Rating, Add</i>	33.07	
40 05 19 00-0560 EA 4" Flanged x Grooved (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	383.19	108.24
<i>For Class 52 Rating, Deduct</i>	-24.11	
<i>For Class 54 Rating, Add</i>	16.44	
<i>For Class 55 Rating, Add</i>	36.54	
40 05 19 00-0561 EA 4" Flanged x Grooved (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	406.68	110.01
<i>For Class 52 Rating, Deduct</i>	-26.40	
<i>For Class 54 Rating, Add</i>	18.00	
<i>For Class 55 Rating, Add</i>	40.01	
40 05 19 00-0562 EA 4" Flanged x Grooved (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	430.15	111.78
<i>For Class 52 Rating, Deduct</i>	-28.69	
<i>For Class 54 Rating, Add</i>	19.56	
<i>For Class 55 Rating, Add</i>	43.48	
40 05 19 00-0563 EA 4" Flanged x Grooved (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	453.64	113.54
<i>For Class 52 Rating, Deduct</i>	-30.98	
<i>For Class 54 Rating, Add</i>	21.12	
<i>For Class 55 Rating, Add</i>	46.94	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0564	EA		4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	477.11	115.32
			For Class 52 Rating, Deduct	-33.26	
			For Class 54 Rating, Add	22.68	
			For Class 55 Rating, Add	50.41	
40 05 19 00-0565	EA		4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	500.60	117.08
			For Class 52 Rating, Deduct	-35.55	
			For Class 54 Rating, Add	24.24	
			For Class 55 Rating, Add	53.88	
40 05 19 00-0566	EA		4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	524.07	118.85
			For Class 52 Rating, Deduct	-37.84	
			For Class 54 Rating, Add	25.80	
			For Class 55 Rating, Add	57.34	
40 05 19 00-0567	EA		4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	547.56	120.62
			For Class 52 Rating, Deduct	-40.13	
			For Class 54 Rating, Add	27.36	
			For Class 55 Rating, Add	60.81	
40 05 19 00-0568	EA		4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	571.03	122.39
			For Class 52 Rating, Deduct	-42.42	
			For Class 54 Rating, Add	28.92	
			For Class 55 Rating, Add	64.28	
40 05 19 00-0569	EA		4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	594.52	124.16
			For Class 52 Rating, Deduct	-44.70	
			For Class 54 Rating, Add	30.48	
			For Class 55 Rating, Add	67.75	
40 05 19 00-0570	EA		4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	617.99	125.93
			For Class 52 Rating, Deduct	-46.99	
			For Class 54 Rating, Add	32.04	
			For Class 55 Rating, Add	71.21	
40 05 19 00-0571	EA		4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	641.48	127.70
			For Class 52 Rating, Deduct	-49.28	
			For Class 54 Rating, Add	33.60	
			For Class 55 Rating, Add	74.68	
40 05 19 00-0572	EA		4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	664.95	129.46
			For Class 52 Rating, Deduct	-51.57	
			For Class 54 Rating, Add	35.16	
			For Class 55 Rating, Add	78.15	
40 05 19 00-0573	EA		4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	688.43	131.24
			For Class 52 Rating, Deduct	-53.86	
			For Class 54 Rating, Add	36.72	
			For Class 55 Rating, Add	81.62	
40 05 19 00-0574	EA		4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	711.91	133.00
			For Class 52 Rating, Deduct	-56.14	
			For Class 54 Rating, Add	38.28	
			For Class 55 Rating, Add	85.08	
40 05 19 00-0575	EA		4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	735.39	134.77
			For Class 52 Rating, Deduct	-58.43	
			For Class 54 Rating, Add	39.84	
			For Class 55 Rating, Add	88.55	
40 05 19 00-0576	EA		4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	758.87	136.53
			For Class 52 Rating, Deduct	-60.72	
			For Class 54 Rating, Add	41.40	
			For Class 55 Rating, Add	92.02	
40 05 19 00-0577	EA		4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	782.35	138.31
			For Class 52 Rating, Deduct	-63.01	
			For Class 54 Rating, Add	42.96	
			For Class 55 Rating, Add	95.49	
40 05 19 00-0578	EA		4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	805.83	140.07
			For Class 52 Rating, Deduct	-65.30	
			For Class 54 Rating, Add	44.52	
			For Class 55 Rating, Add	98.95	
40 05 19 00-0579	EA		4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	829.31	141.84
			For Class 52 Rating, Deduct	-67.58	
			For Class 54 Rating, Add	46.08	
			For Class 55 Rating, Add	102.42	
40 05 19 00-0580	EA		4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	852.79	143.61
			For Class 52 Rating, Deduct	-69.87	
			For Class 54 Rating, Add	47.64	
			For Class 55 Rating, Add	105.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0581 EA 4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	876.27	145.38
For Class 52 Rating, Deduct	-72.16	
For Class 54 Rating, Add	49.20	
For Class 55 Rating, Add	109.36	
40 05 19 00-0582 EA 4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	899.75	147.14
For Class 52 Rating, Deduct	-74.45	
For Class 54 Rating, Add	50.76	
For Class 55 Rating, Add	112.82	
40 05 19 00-0583 EA 4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	923.23	148.92
For Class 52 Rating, Deduct	-76.74	
For Class 54 Rating, Add	52.32	
For Class 55 Rating, Add	116.29	
40 05 19 00-0584 EA 4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	946.71	150.69
For Class 52 Rating, Deduct	-79.02	
For Class 54 Rating, Add	53.88	
For Class 55 Rating, Add	119.76	
40 05 19 00-0585 EA 4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	970.19	152.45
For Class 52 Rating, Deduct	-81.31	
For Class 54 Rating, Add	55.44	
For Class 55 Rating, Add	123.22	
40 05 19 00-0586 EA 4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	993.67	154.23
For Class 52 Rating, Deduct	-83.60	
For Class 54 Rating, Add	57.00	
For Class 55 Rating, Add	126.69	
40 05 19 00-0587 EA 4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,017.15	155.99
For Class 52 Rating, Deduct	-85.89	
For Class 54 Rating, Add	58.56	
For Class 55 Rating, Add	130.16	
40 05 19 00-0588 EA 4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,040.63	157.76
For Class 52 Rating, Deduct	-88.18	
For Class 54 Rating, Add	60.12	
For Class 55 Rating, Add	133.63	
40 05 19 00-0589 EA 4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,064.11	159.53
For Class 52 Rating, Deduct	-90.46	
For Class 54 Rating, Add	61.68	
For Class 55 Rating, Add	137.09	
40 05 19 00-0590 EA 4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,087.58	161.30
For Class 52 Rating, Deduct	-92.75	
For Class 54 Rating, Add	63.24	
For Class 55 Rating, Add	140.56	
40 05 19 00-0591 EA 4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,111.07	163.06
For Class 52 Rating, Deduct	-95.04	
For Class 54 Rating, Add	64.80	
For Class 55 Rating, Add	144.03	
40 05 19 00-0592 EA 4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,134.54	164.84
For Class 52 Rating, Deduct	-97.33	
For Class 54 Rating, Add	66.36	
For Class 55 Rating, Add	147.50	
40 05 19 00-0593 EA 4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,158.03	166.60
For Class 52 Rating, Deduct	-99.62	
For Class 54 Rating, Add	67.92	
For Class 55 Rating, Add	150.96	
40 05 19 00-0594 EA 4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,181.50	168.37
For Class 52 Rating, Deduct	-101.90	
For Class 54 Rating, Add	69.48	
For Class 55 Rating, Add	154.43	
<b>40 05 19 00-0595 6" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0554)</small>		
40 05 19 00-0596 EA 6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	361.74	127.34
For Class 52 Rating, Deduct	-18.57	
For Class 54 Rating, Add	12.66	
For Class 55 Rating, Add	28.14	
40 05 19 00-0597 EA 6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	390.01	129.11
For Class 52 Rating, Deduct	-21.38	
For Class 54 Rating, Add	14.58	
For Class 55 Rating, Add	32.41	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0598	EA		6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	418.30	130.87
			<i>For Class 52 Rating, Deduct</i>	-24.20	
			<i>For Class 54 Rating, Add</i>	16.50	
			<i>For Class 55 Rating, Add</i>	36.67	
40 05 19 00-0599	EA		6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	446.57	132.65
			<i>For Class 52 Rating, Deduct</i>	-27.02	
			<i>For Class 54 Rating, Add</i>	18.42	
			<i>For Class 55 Rating, Add</i>	40.94	
40 05 19 00-0600	EA		6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	474.86	134.41
			<i>For Class 52 Rating, Deduct</i>	-29.83	
			<i>For Class 54 Rating, Add</i>	20.34	
			<i>For Class 55 Rating, Add</i>	45.21	
40 05 19 00-0601	EA		6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	503.13	136.18
			<i>For Class 52 Rating, Deduct</i>	-32.65	
			<i>For Class 54 Rating, Add</i>	22.26	
			<i>For Class 55 Rating, Add</i>	49.48	
40 05 19 00-0602	EA		6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	531.42	137.95
			<i>For Class 52 Rating, Deduct</i>	-35.46	
			<i>For Class 54 Rating, Add</i>	24.18	
			<i>For Class 55 Rating, Add</i>	53.74	
40 05 19 00-0603	EA		6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	559.69	139.72
			<i>For Class 52 Rating, Deduct</i>	-38.28	
			<i>For Class 54 Rating, Add</i>	26.10	
			<i>For Class 55 Rating, Add</i>	58.01	
40 05 19 00-0604	EA		6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	587.98	141.49
			<i>For Class 52 Rating, Deduct</i>	-41.10	
			<i>For Class 54 Rating, Add</i>	28.02	
			<i>For Class 55 Rating, Add</i>	62.28	
40 05 19 00-0605	EA		6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	616.25	143.26
			<i>For Class 52 Rating, Deduct</i>	-43.91	
			<i>For Class 54 Rating, Add</i>	29.94	
			<i>For Class 55 Rating, Add</i>	66.55	
40 05 19 00-0606	EA		6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	644.54	145.03
			<i>For Class 52 Rating, Deduct</i>	-46.73	
			<i>For Class 54 Rating, Add</i>	31.86	
			<i>For Class 55 Rating, Add</i>	70.81	
40 05 19 00-0607	EA		6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	672.81	146.79
			<i>For Class 52 Rating, Deduct</i>	-49.54	
			<i>For Class 54 Rating, Add</i>	33.78	
			<i>For Class 55 Rating, Add</i>	75.08	
40 05 19 00-0608	EA		6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	701.10	148.57
			<i>For Class 52 Rating, Deduct</i>	-52.36	
			<i>For Class 54 Rating, Add</i>	35.70	
			<i>For Class 55 Rating, Add</i>	79.35	
40 05 19 00-0609	EA		6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	729.37	150.33
			<i>For Class 52 Rating, Deduct</i>	-55.18	
			<i>For Class 54 Rating, Add</i>	37.62	
			<i>For Class 55 Rating, Add</i>	83.62	
40 05 19 00-0610	EA		6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	757.66	152.10
			<i>For Class 52 Rating, Deduct</i>	-57.99	
			<i>For Class 54 Rating, Add</i>	39.54	
			<i>For Class 55 Rating, Add</i>	87.88	
40 05 19 00-0611	EA		6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	785.93	153.87
			<i>For Class 52 Rating, Deduct</i>	-60.81	
			<i>For Class 54 Rating, Add</i>	41.46	
			<i>For Class 55 Rating, Add</i>	92.15	
40 05 19 00-0612	EA		6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	814.22	155.64
			<i>For Class 52 Rating, Deduct</i>	-63.62	
			<i>For Class 54 Rating, Add</i>	43.38	
			<i>For Class 55 Rating, Add</i>	96.42	
40 05 19 00-0613	EA		6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	842.49	157.40
			<i>For Class 52 Rating, Deduct</i>	-66.44	
			<i>For Class 54 Rating, Add</i>	45.30	
			<i>For Class 55 Rating, Add</i>	100.69	
40 05 19 00-0614	EA		6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	870.78	159.18
			<i>For Class 52 Rating, Deduct</i>	-69.26	
			<i>For Class 54 Rating, Add</i>	47.22	
			<i>For Class 55 Rating, Add</i>	104.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0615 EA 6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	899.05	160.94
<i>For Class 52 Rating, Deduct</i>	-72.07	
<i>For Class 54 Rating, Add</i>	49.14	
<i>For Class 55 Rating, Add</i>	109.22	
40 05 19 00-0616 EA 6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	927.33	162.71
<i>For Class 52 Rating, Deduct</i>	-74.89	
<i>For Class 54 Rating, Add</i>	51.06	
<i>For Class 55 Rating, Add</i>	113.49	
40 05 19 00-0617 EA 6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	955.61	164.48
<i>For Class 52 Rating, Deduct</i>	-77.70	
<i>For Class 54 Rating, Add</i>	52.98	
<i>For Class 55 Rating, Add</i>	117.76	
40 05 19 00-0618 EA 6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	983.89	166.25
<i>For Class 52 Rating, Deduct</i>	-80.52	
<i>For Class 54 Rating, Add</i>	54.90	
<i>For Class 55 Rating, Add</i>	122.02	
40 05 19 00-0619 EA 6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,012.17	168.02
<i>For Class 52 Rating, Deduct</i>	-83.34	
<i>For Class 54 Rating, Add</i>	56.82	
<i>For Class 55 Rating, Add</i>	126.29	
40 05 19 00-0620 EA 6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,040.45	169.79
<i>For Class 52 Rating, Deduct</i>	-86.15	
<i>For Class 54 Rating, Add</i>	58.74	
<i>For Class 55 Rating, Add</i>	130.56	
40 05 19 00-0621 EA 6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,068.73	171.56
<i>For Class 52 Rating, Deduct</i>	-88.97	
<i>For Class 54 Rating, Add</i>	60.66	
<i>For Class 55 Rating, Add</i>	134.83	
40 05 19 00-0622 EA 6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,097.01	173.32
<i>For Class 52 Rating, Deduct</i>	-91.78	
<i>For Class 54 Rating, Add</i>	62.58	
<i>For Class 55 Rating, Add</i>	139.09	
40 05 19 00-0623 EA 6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,125.29	175.10
<i>For Class 52 Rating, Deduct</i>	-94.60	
<i>For Class 54 Rating, Add</i>	64.50	
<i>For Class 55 Rating, Add</i>	143.36	
40 05 19 00-0624 EA 6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,153.57	176.86
<i>For Class 52 Rating, Deduct</i>	-97.42	
<i>For Class 54 Rating, Add</i>	66.42	
<i>For Class 55 Rating, Add</i>	147.63	
40 05 19 00-0625 EA 6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,181.85	178.63
<i>For Class 52 Rating, Deduct</i>	-100.23	
<i>For Class 54 Rating, Add</i>	68.34	
<i>For Class 55 Rating, Add</i>	151.90	
40 05 19 00-0626 EA 6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,210.13	180.40
<i>For Class 52 Rating, Deduct</i>	-103.05	
<i>For Class 54 Rating, Add</i>	70.26	
<i>For Class 55 Rating, Add</i>	156.16	
40 05 19 00-0627 EA 6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,238.41	182.17
<i>For Class 52 Rating, Deduct</i>	-105.86	
<i>For Class 54 Rating, Add</i>	72.18	
<i>For Class 55 Rating, Add</i>	160.43	
40 05 19 00-0628 EA 6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,266.69	183.93
<i>For Class 52 Rating, Deduct</i>	-108.68	
<i>For Class 54 Rating, Add</i>	74.10	
<i>For Class 55 Rating, Add</i>	164.70	
40 05 19 00-0629 EA 6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,294.97	185.71
<i>For Class 52 Rating, Deduct</i>	-111.50	
<i>For Class 54 Rating, Add</i>	76.02	
<i>For Class 55 Rating, Add</i>	168.97	
40 05 19 00-0630 EA 6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,323.25	187.47
<i>For Class 52 Rating, Deduct</i>	-114.31	
<i>For Class 54 Rating, Add</i>	77.94	
<i>For Class 55 Rating, Add</i>	173.23	
40 05 19 00-0631 EA 6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,351.53	189.24
<i>For Class 52 Rating, Deduct</i>	-117.13	
<i>For Class 54 Rating, Add</i>	79.86	
<i>For Class 55 Rating, Add</i>	177.50	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0632	EA		6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,379.81	191.00
			For Class 52 Rating, Deduct	-119.94	
			For Class 54 Rating, Add	81.78	
			For Class 55 Rating, Add	181.77	
40 05 19 00-0633	EA		6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,408.08	192.78
			For Class 52 Rating, Deduct	-122.76	
			For Class 54 Rating, Add	83.70	
			For Class 55 Rating, Add	186.04	
40 05 19 00-0634	EA		6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,436.37	194.54
			For Class 52 Rating, Deduct	-125.58	
			For Class 54 Rating, Add	85.62	
			For Class 55 Rating, Add	190.30	
40 05 19 00-0635			8" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
			(40 05 19 00-0554)		
40 05 19 00-0636	EA		8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	492.93	162.71
			For Class 52 Rating, Deduct	-27.10	
			For Class 54 Rating, Add	18.48	
			For Class 55 Rating, Add	41.07	
40 05 19 00-0637	EA		8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	530.81	164.48
			For Class 52 Rating, Deduct	-30.98	
			For Class 54 Rating, Add	21.12	
			For Class 55 Rating, Add	46.94	
40 05 19 00-0638	EA		8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	568.69	166.25
			For Class 52 Rating, Deduct	-34.85	
			For Class 54 Rating, Add	23.76	
			For Class 55 Rating, Add	52.81	
40 05 19 00-0639	EA		8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	606.57	168.02
			For Class 52 Rating, Deduct	-38.72	
			For Class 54 Rating, Add	26.40	
			For Class 55 Rating, Add	58.68	
40 05 19 00-0640	EA		8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	644.45	169.79
			For Class 52 Rating, Deduct	-42.59	
			For Class 54 Rating, Add	29.04	
			For Class 55 Rating, Add	64.55	
40 05 19 00-0641	EA		8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	682.33	171.56
			For Class 52 Rating, Deduct	-46.46	
			For Class 54 Rating, Add	31.68	
			For Class 55 Rating, Add	70.41	
40 05 19 00-0642	EA		8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	720.21	173.32
			For Class 52 Rating, Deduct	-50.34	
			For Class 54 Rating, Add	34.32	
			For Class 55 Rating, Add	76.28	
40 05 19 00-0643	EA		8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	758.09	175.10
			For Class 52 Rating, Deduct	-54.21	
			For Class 54 Rating, Add	36.96	
			For Class 55 Rating, Add	82.15	
40 05 19 00-0644	EA		8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	795.97	176.86
			For Class 52 Rating, Deduct	-58.08	
			For Class 54 Rating, Add	39.60	
			For Class 55 Rating, Add	88.02	
40 05 19 00-0645	EA		8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	833.85	178.63
			For Class 52 Rating, Deduct	-61.95	
			For Class 54 Rating, Add	42.24	
			For Class 55 Rating, Add	93.89	
40 05 19 00-0646	EA		8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	871.73	180.40
			For Class 52 Rating, Deduct	-65.82	
			For Class 54 Rating, Add	44.88	
			For Class 55 Rating, Add	99.75	
40 05 19 00-0647	EA		8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	909.61	182.17
			For Class 52 Rating, Deduct	-69.70	
			For Class 54 Rating, Add	47.52	
			For Class 55 Rating, Add	105.62	
40 05 19 00-0648	EA		8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	947.49	183.93
			For Class 52 Rating, Deduct	-73.57	
			For Class 54 Rating, Add	50.16	
			For Class 55 Rating, Add	111.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0649 EA 8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	985.37	185.71
<i>For Class 52 Rating, Deduct</i>	-77.44	
<i>For Class 54 Rating, Add</i>	52.80	
<i>For Class 55 Rating, Add</i>	117.36	
40 05 19 00-0650 EA 8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,023.25	187.47
<i>For Class 52 Rating, Deduct</i>	-81.31	
<i>For Class 54 Rating, Add</i>	55.44	
<i>For Class 55 Rating, Add</i>	123.22	
40 05 19 00-0651 EA 8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,061.13	189.24
<i>For Class 52 Rating, Deduct</i>	-85.18	
<i>For Class 54 Rating, Add</i>	58.08	
<i>For Class 55 Rating, Add</i>	129.09	
40 05 19 00-0652 EA 8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,099.01	191.00
<i>For Class 52 Rating, Deduct</i>	-89.06	
<i>For Class 54 Rating, Add</i>	60.72	
<i>For Class 55 Rating, Add</i>	134.96	
40 05 19 00-0653 EA 8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,136.88	192.78
<i>For Class 52 Rating, Deduct</i>	-92.93	
<i>For Class 54 Rating, Add</i>	63.36	
<i>For Class 55 Rating, Add</i>	140.83	
40 05 19 00-0654 EA 8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,174.77	194.54
<i>For Class 52 Rating, Deduct</i>	-96.80	
<i>For Class 54 Rating, Add</i>	66.00	
<i>For Class 55 Rating, Add</i>	146.70	
40 05 19 00-0655 EA 8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,212.64	196.31
<i>For Class 52 Rating, Deduct</i>	-100.67	
<i>For Class 54 Rating, Add</i>	68.64	
<i>For Class 55 Rating, Add</i>	152.56	
40 05 19 00-0656 EA 8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,250.53	198.09
<i>For Class 52 Rating, Deduct</i>	-104.54	
<i>For Class 54 Rating, Add</i>	71.28	
<i>For Class 55 Rating, Add</i>	158.43	
40 05 19 00-0657 EA 8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,288.40	199.85
<i>For Class 52 Rating, Deduct</i>	-108.42	
<i>For Class 54 Rating, Add</i>	73.92	
<i>For Class 55 Rating, Add</i>	164.30	
40 05 19 00-0658 EA 8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,326.29	201.62
<i>For Class 52 Rating, Deduct</i>	-112.29	
<i>For Class 54 Rating, Add</i>	76.56	
<i>For Class 55 Rating, Add</i>	170.17	
40 05 19 00-0659 EA 8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,364.16	203.39
<i>For Class 52 Rating, Deduct</i>	-116.16	
<i>For Class 54 Rating, Add</i>	79.20	
<i>For Class 55 Rating, Add</i>	176.04	
40 05 19 00-0660 EA 8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,402.05	205.16
<i>For Class 52 Rating, Deduct</i>	-120.03	
<i>For Class 54 Rating, Add</i>	81.84	
<i>For Class 55 Rating, Add</i>	181.90	
40 05 19 00-0661 EA 8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,439.92	206.92
<i>For Class 52 Rating, Deduct</i>	-123.90	
<i>For Class 54 Rating, Add</i>	84.48	
<i>For Class 55 Rating, Add</i>	187.77	
40 05 19 00-0662 EA 8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,477.81	208.70
<i>For Class 52 Rating, Deduct</i>	-127.78	
<i>For Class 54 Rating, Add</i>	87.12	
<i>For Class 55 Rating, Add</i>	193.64	
40 05 19 00-0663 EA 8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,515.68	210.46
<i>For Class 52 Rating, Deduct</i>	-131.65	
<i>For Class 54 Rating, Add</i>	89.76	
<i>For Class 55 Rating, Add</i>	199.51	
40 05 19 00-0664 EA 8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,553.57	212.23
<i>For Class 52 Rating, Deduct</i>	-135.52	
<i>For Class 54 Rating, Add</i>	92.40	
<i>For Class 55 Rating, Add</i>	205.37	
40 05 19 00-0665 EA 8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,591.44	214.00
<i>For Class 52 Rating, Deduct</i>	-139.39	
<i>For Class 54 Rating, Add</i>	95.04	
<i>For Class 55 Rating, Add</i>	211.24	



**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0666	EA		8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,629.33	215.77
			<i>For Class 52 Rating, Deduct</i>	-143.26	
			<i>For Class 54 Rating, Add</i>	97.68	
			<i>For Class 55 Rating, Add</i>	217.11	
40 05 19 00-0667	EA		8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,667.20	217.53
			<i>For Class 52 Rating, Deduct</i>	-147.14	
			<i>For Class 54 Rating, Add</i>	100.32	
			<i>For Class 55 Rating, Add</i>	222.98	
40 05 19 00-0668	EA		8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,705.09	219.31
			<i>For Class 52 Rating, Deduct</i>	-151.01	
			<i>For Class 54 Rating, Add</i>	102.96	
			<i>For Class 55 Rating, Add</i>	228.85	
40 05 19 00-0669	EA		8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,742.96	221.07
			<i>For Class 52 Rating, Deduct</i>	-154.88	
			<i>For Class 54 Rating, Add</i>	105.60	
			<i>For Class 55 Rating, Add</i>	234.71	
40 05 19 00-0670	EA		8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,780.85	222.84
			<i>For Class 52 Rating, Deduct</i>	-158.75	
			<i>For Class 54 Rating, Add</i>	108.24	
			<i>For Class 55 Rating, Add</i>	240.58	
40 05 19 00-0671	EA		8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,818.72	224.62
			<i>For Class 52 Rating, Deduct</i>	-162.62	
			<i>For Class 54 Rating, Add</i>	110.88	
			<i>For Class 55 Rating, Add</i>	246.45	
40 05 19 00-0672	EA		8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,856.60	226.38
			<i>For Class 52 Rating, Deduct</i>	-166.50	
			<i>For Class 54 Rating, Add</i>	113.52	
			<i>For Class 55 Rating, Add</i>	252.32	
40 05 19 00-0673	EA		8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,894.48	228.15
			<i>For Class 52 Rating, Deduct</i>	-170.37	
			<i>For Class 54 Rating, Add</i>	116.16	
			<i>For Class 55 Rating, Add</i>	258.18	
40 05 19 00-0674	EA		8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,932.36	229.92
			<i>For Class 52 Rating, Deduct</i>	-174.24	
			<i>For Class 54 Rating, Add</i>	118.80	
			<i>For Class 55 Rating, Add</i>	264.05	
40 05 19 00-0675			<b>10" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0554)</small>		
40 05 19 00-0676	EA		10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	615.33	198.09
			<i>For Class 52 Rating, Deduct</i>	-34.67	
			<i>For Class 54 Rating, Add</i>	23.64	
			<i>For Class 55 Rating, Add</i>	52.54	
40 05 19 00-0677	EA		10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	664.40	199.85
			<i>For Class 52 Rating, Deduct</i>	-39.78	
			<i>For Class 54 Rating, Add</i>	27.12	
			<i>For Class 55 Rating, Add</i>	60.28	
40 05 19 00-0678	EA		10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	713.49	201.62
			<i>For Class 52 Rating, Deduct</i>	-44.88	
			<i>For Class 54 Rating, Add</i>	30.60	
			<i>For Class 55 Rating, Add</i>	68.01	
40 05 19 00-0679	EA		10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	762.56	203.39
			<i>For Class 52 Rating, Deduct</i>	-49.98	
			<i>For Class 54 Rating, Add</i>	34.08	
			<i>For Class 55 Rating, Add</i>	75.75	
40 05 19 00-0680	EA		10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	811.65	205.16
			<i>For Class 52 Rating, Deduct</i>	-55.09	
			<i>For Class 54 Rating, Add</i>	37.56	
			<i>For Class 55 Rating, Add</i>	83.48	
40 05 19 00-0681	EA		10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	860.72	206.92
			<i>For Class 52 Rating, Deduct</i>	-60.19	
			<i>For Class 54 Rating, Add</i>	41.04	
			<i>For Class 55 Rating, Add</i>	91.22	
40 05 19 00-0682	EA		10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	909.81	208.70
			<i>For Class 52 Rating, Deduct</i>	-65.30	
			<i>For Class 54 Rating, Add</i>	44.52	
			<i>For Class 55 Rating, Add</i>	98.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0683 EA 10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	958.88	210.46
For Class 52 Rating, Deduct	-70.40	
For Class 54 Rating, Add	48.00	
For Class 55 Rating, Add	106.69	
40 05 19 00-0684 EA 10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,007.97	212.23
For Class 52 Rating, Deduct	-75.50	
For Class 54 Rating, Add	51.48	
For Class 55 Rating, Add	114.42	
40 05 19 00-0685 EA 10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,057.04	214.00
For Class 52 Rating, Deduct	-80.61	
For Class 54 Rating, Add	54.96	
For Class 55 Rating, Add	122.16	
40 05 19 00-0686 EA 10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,106.13	215.77
For Class 52 Rating, Deduct	-85.71	
For Class 54 Rating, Add	58.44	
For Class 55 Rating, Add	129.89	
40 05 19 00-0687 EA 10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,155.20	217.53
For Class 52 Rating, Deduct	-90.82	
For Class 54 Rating, Add	61.92	
For Class 55 Rating, Add	137.63	
40 05 19 00-0688 EA 10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,204.29	219.31
For Class 52 Rating, Deduct	-95.92	
For Class 54 Rating, Add	65.40	
For Class 55 Rating, Add	145.36	
40 05 19 00-0689 EA 10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,253.36	221.07
For Class 52 Rating, Deduct	-101.02	
For Class 54 Rating, Add	68.88	
For Class 55 Rating, Add	153.10	
40 05 19 00-0690 EA 10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,302.45	222.84
For Class 52 Rating, Deduct	-106.13	
For Class 54 Rating, Add	72.36	
For Class 55 Rating, Add	160.83	
40 05 19 00-0691 EA 10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,351.52	224.62
For Class 52 Rating, Deduct	-111.23	
For Class 54 Rating, Add	75.84	
For Class 55 Rating, Add	168.57	
40 05 19 00-0692 EA 10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,400.60	226.38
For Class 52 Rating, Deduct	-116.34	
For Class 54 Rating, Add	79.32	
For Class 55 Rating, Add	176.30	
40 05 19 00-0693 EA 10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,449.68	228.15
For Class 52 Rating, Deduct	-121.44	
For Class 54 Rating, Add	82.80	
For Class 55 Rating, Add	184.04	
40 05 19 00-0694 EA 10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,498.76	229.92
For Class 52 Rating, Deduct	-126.54	
For Class 54 Rating, Add	86.28	
For Class 55 Rating, Add	191.77	
40 05 19 00-0695 EA 10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,547.84	231.69
For Class 52 Rating, Deduct	-131.65	
For Class 54 Rating, Add	89.76	
For Class 55 Rating, Add	199.51	
40 05 19 00-0696 EA 10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,596.92	233.45
For Class 52 Rating, Deduct	-136.75	
For Class 54 Rating, Add	93.24	
For Class 55 Rating, Add	207.24	
40 05 19 00-0697 EA 10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,646.00	235.23
For Class 52 Rating, Deduct	-141.86	
For Class 54 Rating, Add	96.72	
For Class 55 Rating, Add	214.98	
40 05 19 00-0698 EA 10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,695.08	236.99
For Class 52 Rating, Deduct	-146.96	
For Class 54 Rating, Add	100.20	
For Class 55 Rating, Add	222.71	
40 05 19 00-0699 EA 10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,744.16	238.76
For Class 52 Rating, Deduct	-152.06	
For Class 54 Rating, Add	103.68	
For Class 55 Rating, Add	230.45	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0700	EA		10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,793.24	240.53
			For Class 52 Rating, Deduct	-157.17	
			For Class 54 Rating, Add	107.16	
			For Class 55 Rating, Add	238.18	
40 05 19 00-0701	EA		10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,842.32	242.30
			For Class 52 Rating, Deduct	-162.27	
			For Class 54 Rating, Add	110.64	
			For Class 55 Rating, Add	245.92	
40 05 19 00-0702	EA		10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,891.40	244.06
			For Class 52 Rating, Deduct	-167.38	
			For Class 54 Rating, Add	114.12	
			For Class 55 Rating, Add	253.65	
40 05 19 00-0703	EA		10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,940.48	245.84
			For Class 52 Rating, Deduct	-172.48	
			For Class 54 Rating, Add	117.60	
			For Class 55 Rating, Add	261.39	
40 05 19 00-0704	EA		10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,989.56	247.60
			For Class 52 Rating, Deduct	-177.58	
			For Class 54 Rating, Add	121.08	
			For Class 55 Rating, Add	269.12	
40 05 19 00-0705	EA		10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,038.64	249.37
			For Class 52 Rating, Deduct	-182.69	
			For Class 54 Rating, Add	124.56	
			For Class 55 Rating, Add	276.86	
40 05 19 00-0706	EA		10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,087.72	251.15
			For Class 52 Rating, Deduct	-187.79	
			For Class 54 Rating, Add	128.04	
			For Class 55 Rating, Add	284.59	
40 05 19 00-0707	EA		10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,136.80	252.91
			For Class 52 Rating, Deduct	-192.90	
			For Class 54 Rating, Add	131.52	
			For Class 55 Rating, Add	292.33	
40 05 19 00-0708	EA		10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,185.88	254.68
			For Class 52 Rating, Deduct	-198.00	
			For Class 54 Rating, Add	135.00	
			For Class 55 Rating, Add	300.06	
40 05 19 00-0709	EA		10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,234.96	256.45
			For Class 52 Rating, Deduct	-203.10	
			For Class 54 Rating, Add	138.48	
			For Class 55 Rating, Add	307.79	
40 05 19 00-0710	EA		10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,284.04	258.22
			For Class 52 Rating, Deduct	-208.21	
			For Class 54 Rating, Add	141.96	
			For Class 55 Rating, Add	315.53	
40 05 19 00-0711	EA		10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,333.11	259.98
			For Class 52 Rating, Deduct	-213.31	
			For Class 54 Rating, Add	145.44	
			For Class 55 Rating, Add	323.26	
40 05 19 00-0712	EA		10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,382.20	261.76
			For Class 52 Rating, Deduct	-218.42	
			For Class 54 Rating, Add	148.92	
			For Class 55 Rating, Add	331.00	
40 05 19 00-0713	EA		10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,431.27	263.52
			For Class 52 Rating, Deduct	-223.52	
			For Class 54 Rating, Add	152.40	
			For Class 55 Rating, Add	338.73	
40 05 19 00-0714	EA		10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,480.36	265.29
			For Class 52 Rating, Deduct	-228.62	
			For Class 54 Rating, Add	155.88	
			For Class 55 Rating, Add	346.47	
40 05 19 00-0715			12" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		
			(40 05 19 00-0554)		
40 05 19 00-0716	EA		12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	792.76	247.60
			For Class 52 Rating, Deduct	-45.94	
			For Class 54 Rating, Add	31.32	
			For Class 55 Rating, Add	69.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0717 EA 12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	853.84	249.37
<i>For Class 52 Rating, Deduct</i>	-52.36	
<i>For Class 54 Rating, Add</i>	35.70	
<i>For Class 55 Rating, Add</i>	79.35	
40 05 19 00-0718 EA 12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	914.92	251.15
<i>For Class 52 Rating, Deduct</i>	-58.78	
<i>For Class 54 Rating, Add</i>	40.08	
<i>For Class 55 Rating, Add</i>	89.08	
40 05 19 00-0719 EA 12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	976.00	252.91
<i>For Class 52 Rating, Deduct</i>	-65.21	
<i>For Class 54 Rating, Add</i>	44.46	
<i>For Class 55 Rating, Add</i>	98.82	
40 05 19 00-0720 EA 12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,037.08	254.68
<i>For Class 52 Rating, Deduct</i>	-71.63	
<i>For Class 54 Rating, Add</i>	48.84	
<i>For Class 55 Rating, Add</i>	108.56	
40 05 19 00-0721 EA 12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,098.16	256.45
<i>For Class 52 Rating, Deduct</i>	-78.06	
<i>For Class 54 Rating, Add</i>	53.22	
<i>For Class 55 Rating, Add</i>	118.29	
40 05 19 00-0722 EA 12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,159.24	258.22
<i>For Class 52 Rating, Deduct</i>	-84.48	
<i>For Class 54 Rating, Add</i>	57.60	
<i>For Class 55 Rating, Add</i>	128.03	
40 05 19 00-0723 EA 12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,220.31	259.98
<i>For Class 52 Rating, Deduct</i>	-90.90	
<i>For Class 54 Rating, Add</i>	61.98	
<i>For Class 55 Rating, Add</i>	137.76	
40 05 19 00-0724 EA 12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,281.40	261.76
<i>For Class 52 Rating, Deduct</i>	-97.33	
<i>For Class 54 Rating, Add</i>	66.36	
<i>For Class 55 Rating, Add</i>	147.50	
40 05 19 00-0725 EA 12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,342.47	263.52
<i>For Class 52 Rating, Deduct</i>	-103.75	
<i>For Class 54 Rating, Add</i>	70.74	
<i>For Class 55 Rating, Add</i>	157.23	
40 05 19 00-0726 EA 12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,403.56	265.29
<i>For Class 52 Rating, Deduct</i>	-110.18	
<i>For Class 54 Rating, Add</i>	75.12	
<i>For Class 55 Rating, Add</i>	166.97	
40 05 19 00-0727 EA 12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,464.63	267.06
<i>For Class 52 Rating, Deduct</i>	-116.60	
<i>For Class 54 Rating, Add</i>	79.50	
<i>For Class 55 Rating, Add</i>	176.70	
40 05 19 00-0728 EA 12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,525.72	268.83
<i>For Class 52 Rating, Deduct</i>	-123.02	
<i>For Class 54 Rating, Add</i>	83.88	
<i>For Class 55 Rating, Add</i>	186.44	
40 05 19 00-0729 EA 12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,586.79	270.59
<i>For Class 52 Rating, Deduct</i>	-129.45	
<i>For Class 54 Rating, Add</i>	88.26	
<i>For Class 55 Rating, Add</i>	196.17	
40 05 19 00-0730 EA 12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,647.88	272.37
<i>For Class 52 Rating, Deduct</i>	-135.87	
<i>For Class 54 Rating, Add</i>	92.64	
<i>For Class 55 Rating, Add</i>	205.91	
40 05 19 00-0731 EA 12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,708.95	274.13
<i>For Class 52 Rating, Deduct</i>	-142.30	
<i>For Class 54 Rating, Add</i>	97.02	
<i>For Class 55 Rating, Add</i>	215.64	
40 05 19 00-0732 EA 12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,770.04	275.90
<i>For Class 52 Rating, Deduct</i>	-148.72	
<i>For Class 54 Rating, Add</i>	101.40	
<i>For Class 55 Rating, Add</i>	225.38	
40 05 19 00-0733 EA 12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,831.11	277.67
<i>For Class 52 Rating, Deduct</i>	-155.14	
<i>For Class 54 Rating, Add</i>	105.78	
<i>For Class 55 Rating, Add</i>	235.11	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0734	EA		12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,892.20	279.44
			For Class 52 Rating, Deduct	-161.57	
			For Class 54 Rating, Add	110.16	
			For Class 55 Rating, Add	244.85	
40 05 19 00-0735	EA		12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,953.27	281.21
			For Class 52 Rating, Deduct	-167.99	
			For Class 54 Rating, Add	114.54	
			For Class 55 Rating, Add	254.58	
40 05 19 00-0736	EA		12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,014.36	282.98
			For Class 52 Rating, Deduct	-174.42	
			For Class 54 Rating, Add	118.92	
			For Class 55 Rating, Add	264.32	
40 05 19 00-0737	EA		12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,075.43	284.75
			For Class 52 Rating, Deduct	-180.84	
			For Class 54 Rating, Add	123.30	
			For Class 55 Rating, Add	274.05	
40 05 19 00-0738	EA		12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,136.52	286.51
			For Class 52 Rating, Deduct	-187.26	
			For Class 54 Rating, Add	127.68	
			For Class 55 Rating, Add	283.79	
40 05 19 00-0739	EA		12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,197.59	288.29
			For Class 52 Rating, Deduct	-193.69	
			For Class 54 Rating, Add	132.06	
			For Class 55 Rating, Add	293.53	
40 05 19 00-0740	EA		12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,258.67	290.05
			For Class 52 Rating, Deduct	-200.11	
			For Class 54 Rating, Add	136.44	
			For Class 55 Rating, Add	303.26	
40 05 19 00-0741	EA		12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,319.75	291.82
			For Class 52 Rating, Deduct	-206.54	
			For Class 54 Rating, Add	140.82	
			For Class 55 Rating, Add	313.00	
40 05 19 00-0742	EA		12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,380.83	293.59
			For Class 52 Rating, Deduct	-212.96	
			For Class 54 Rating, Add	145.20	
			For Class 55 Rating, Add	322.73	
40 05 19 00-0743	EA		12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,441.91	295.36
			For Class 52 Rating, Deduct	-219.38	
			For Class 54 Rating, Add	149.58	
			For Class 55 Rating, Add	332.47	
40 05 19 00-0744	EA		12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,502.99	297.12
			For Class 52 Rating, Deduct	-225.81	
			For Class 54 Rating, Add	153.96	
			For Class 55 Rating, Add	342.20	
40 05 19 00-0745	EA		12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,564.07	298.90
			For Class 52 Rating, Deduct	-232.23	
			For Class 54 Rating, Add	158.34	
			For Class 55 Rating, Add	351.94	
40 05 19 00-0746	EA		12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,625.15	300.66
			For Class 52 Rating, Deduct	-238.66	
			For Class 54 Rating, Add	162.72	
			For Class 55 Rating, Add	361.67	
40 05 19 00-0747	EA		12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,686.23	302.43
			For Class 52 Rating, Deduct	-245.08	
			For Class 54 Rating, Add	167.10	
			For Class 55 Rating, Add	371.41	
40 05 19 00-0748	EA		12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,747.31	304.20
			For Class 52 Rating, Deduct	-251.50	
			For Class 54 Rating, Add	171.48	
			For Class 55 Rating, Add	381.14	
40 05 19 00-0749	EA		12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,808.39	305.97
			For Class 52 Rating, Deduct	-257.93	
			For Class 54 Rating, Add	175.86	
			For Class 55 Rating, Add	390.88	
40 05 19 00-0750	EA		12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,869.47	307.74
			For Class 52 Rating, Deduct	-264.35	
			For Class 54 Rating, Add	180.24	
			For Class 55 Rating, Add	400.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0751 EA 12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,930.55	309.50
For Class 52 Rating, Deduct	-270.78	
For Class 54 Rating, Add	184.62	
For Class 55 Rating, Add	410.35	
40 05 19 00-0752 EA 12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,991.63	311.28
For Class 52 Rating, Deduct	-277.20	
For Class 54 Rating, Add	189.00	
For Class 55 Rating, Add	420.08	
40 05 19 00-0753 EA 12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,052.71	313.04
For Class 52 Rating, Deduct	-283.62	
For Class 54 Rating, Add	193.38	
For Class 55 Rating, Add	429.82	
40 05 19 00-0754 EA 12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,113.79	314.81
For Class 52 Rating, Deduct	-290.05	
For Class 54 Rating, Add	197.76	
For Class 55 Rating, Add	439.55	
<b>40 05 19 00-0755 14" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b>		
(40 05 19 00-054)		
40 05 19 00-0756 EA 14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,074.19	297.12
For Class 52 Rating, Deduct	-68.64	
For Class 54 Rating, Add	46.80	
For Class 55 Rating, Add	104.02	
40 05 19 00-0757 EA 14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,148.07	298.90
For Class 52 Rating, Deduct	-76.47	
For Class 54 Rating, Add	52.14	
For Class 55 Rating, Add	115.89	
40 05 19 00-0758 EA 14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,221.95	300.66
For Class 52 Rating, Deduct	-84.30	
For Class 54 Rating, Add	57.48	
For Class 55 Rating, Add	127.76	
40 05 19 00-0759 EA 14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,295.83	302.43
For Class 52 Rating, Deduct	-92.14	
For Class 54 Rating, Add	62.82	
For Class 55 Rating, Add	139.63	
40 05 19 00-0760 EA 14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,369.71	304.20
For Class 52 Rating, Deduct	-99.97	
For Class 54 Rating, Add	68.16	
For Class 55 Rating, Add	151.50	
40 05 19 00-0761 EA 14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,443.59	305.97
For Class 52 Rating, Deduct	-107.80	
For Class 54 Rating, Add	73.50	
For Class 55 Rating, Add	163.37	
40 05 19 00-0762 EA 14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,517.47	307.74
For Class 52 Rating, Deduct	-115.63	
For Class 54 Rating, Add	78.84	
For Class 55 Rating, Add	175.24	
40 05 19 00-0763 EA 14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,591.35	309.50
For Class 52 Rating, Deduct	-123.46	
For Class 54 Rating, Add	84.18	
For Class 55 Rating, Add	187.10	
40 05 19 00-0764 EA 14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,665.23	311.28
For Class 52 Rating, Deduct	-131.30	
For Class 54 Rating, Add	89.52	
For Class 55 Rating, Add	198.97	
40 05 19 00-0765 EA 14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,739.11	313.04
For Class 52 Rating, Deduct	-139.13	
For Class 54 Rating, Add	94.86	
For Class 55 Rating, Add	210.84	
40 05 19 00-0766 EA 14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,812.99	314.81
For Class 52 Rating, Deduct	-146.96	
For Class 54 Rating, Add	100.20	
For Class 55 Rating, Add	222.71	
40 05 19 00-0767 EA 14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,886.87	316.58
For Class 52 Rating, Deduct	-154.79	
For Class 54 Rating, Add	105.54	
For Class 55 Rating, Add	234.58	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0768	EA		14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,960.75	318.35
			For Class 52 Rating, Deduct	-162.62	
			For Class 54 Rating, Add	110.88	
			For Class 55 Rating, Add	246.45	
40 05 19 00-0769	EA		14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,034.63	320.11
			For Class 52 Rating, Deduct	-170.46	
			For Class 54 Rating, Add	116.22	
			For Class 55 Rating, Add	258.32	
40 05 19 00-0770	EA		14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,108.51	321.89
			For Class 52 Rating, Deduct	-178.29	
			For Class 54 Rating, Add	121.56	
			For Class 55 Rating, Add	270.19	
40 05 19 00-0771	EA		14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,182.38	323.65
			For Class 52 Rating, Deduct	-186.12	
			For Class 54 Rating, Add	126.90	
			For Class 55 Rating, Add	282.06	
40 05 19 00-0772	EA		14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,256.27	325.42
			For Class 52 Rating, Deduct	-193.95	
			For Class 54 Rating, Add	132.24	
			For Class 55 Rating, Add	293.93	
40 05 19 00-0773	EA		14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,330.14	327.19
			For Class 52 Rating, Deduct	-201.78	
			For Class 54 Rating, Add	137.58	
			For Class 55 Rating, Add	305.79	
40 05 19 00-0774	EA		14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,404.03	328.96
			For Class 52 Rating, Deduct	-209.62	
			For Class 54 Rating, Add	142.92	
			For Class 55 Rating, Add	317.66	
40 05 19 00-0775	EA		14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,477.90	330.72
			For Class 52 Rating, Deduct	-217.45	
			For Class 54 Rating, Add	148.26	
			For Class 55 Rating, Add	329.53	
40 05 19 00-0776	EA		14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,551.79	332.50
			For Class 52 Rating, Deduct	-225.28	
			For Class 54 Rating, Add	153.60	
			For Class 55 Rating, Add	341.40	
40 05 19 00-0777	EA		14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,625.66	334.27
			For Class 52 Rating, Deduct	-233.11	
			For Class 54 Rating, Add	158.94	
			For Class 55 Rating, Add	353.27	
40 05 19 00-0778	EA		14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,699.55	336.03
			For Class 52 Rating, Deduct	-240.94	
			For Class 54 Rating, Add	164.28	
			For Class 55 Rating, Add	365.14	
40 05 19 00-0779	EA		14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,773.42	337.81
			For Class 52 Rating, Deduct	-248.78	
			For Class 54 Rating, Add	169.62	
			For Class 55 Rating, Add	377.01	
40 05 19 00-0780	EA		14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,847.31	339.57
			For Class 52 Rating, Deduct	-256.61	
			For Class 54 Rating, Add	174.96	
			For Class 55 Rating, Add	388.88	
40 05 19 00-0781	EA		14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,921.18	341.34
			For Class 52 Rating, Deduct	-264.44	
			For Class 54 Rating, Add	180.30	
			For Class 55 Rating, Add	400.75	
40 05 19 00-0782	EA		14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,995.07	343.11
			For Class 52 Rating, Deduct	-272.27	
			For Class 54 Rating, Add	185.64	
			For Class 55 Rating, Add	412.62	
40 05 19 00-0783	EA		14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,068.94	344.88
			For Class 52 Rating, Deduct	-280.10	
			For Class 54 Rating, Add	190.98	
			For Class 55 Rating, Add	424.48	
40 05 19 00-0784	EA		14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,142.83	346.64
			For Class 52 Rating, Deduct	-287.94	
			For Class 54 Rating, Add	196.32	
			For Class 55 Rating, Add	436.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0785 EA 14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,216.70	348.42
For Class 52 Rating, Deduct	-295.77	
For Class 54 Rating, Add	201.66	
For Class 55 Rating, Add	448.22	
40 05 19 00-0786 EA 14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,290.59	350.18
For Class 52 Rating, Deduct	-303.60	
For Class 54 Rating, Add	207.00	
For Class 55 Rating, Add	460.09	
40 05 19 00-0787 EA 14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,364.46	351.95
For Class 52 Rating, Deduct	-311.43	
For Class 54 Rating, Add	212.34	
For Class 55 Rating, Add	471.96	
40 05 19 00-0788 EA 14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,438.34	353.72
For Class 52 Rating, Deduct	-319.26	
For Class 54 Rating, Add	217.68	
For Class 55 Rating, Add	483.83	
40 05 19 00-0789 EA 14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,512.22	355.49
For Class 52 Rating, Deduct	-327.10	
For Class 54 Rating, Add	223.02	
For Class 55 Rating, Add	495.70	
40 05 19 00-0790 EA 14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,586.10	357.25
For Class 52 Rating, Deduct	-334.93	
For Class 54 Rating, Add	228.36	
For Class 55 Rating, Add	507.57	
40 05 19 00-0791 EA 14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,659.98	359.03
For Class 52 Rating, Deduct	-342.76	
For Class 54 Rating, Add	233.70	
For Class 55 Rating, Add	519.44	
40 05 19 00-0792 EA 14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,733.86	360.79
For Class 52 Rating, Deduct	-350.59	
For Class 54 Rating, Add	239.04	
For Class 55 Rating, Add	531.31	
40 05 19 00-0793 EA 14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,807.74	362.56
For Class 52 Rating, Deduct	-358.42	
For Class 54 Rating, Add	244.38	
For Class 55 Rating, Add	543.18	
<b>40 05 19 00-0794 16" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0554)</small>		
40 05 19 00-0795 EA 16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,252.91	339.57
For Class 52 Rating, Deduct	-81.22	
For Class 54 Rating, Add	55.38	
For Class 55 Rating, Add	123.09	
40 05 19 00-0796 EA 16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,338.78	341.34
For Class 52 Rating, Deduct	-90.38	
For Class 54 Rating, Add	61.62	
For Class 55 Rating, Add	136.96	
40 05 19 00-0797 EA 16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,424.67	343.11
For Class 52 Rating, Deduct	-99.53	
For Class 54 Rating, Add	67.86	
For Class 55 Rating, Add	150.83	
40 05 19 00-0798 EA 16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,510.54	344.88
For Class 52 Rating, Deduct	-108.68	
For Class 54 Rating, Add	74.10	
For Class 55 Rating, Add	164.70	
40 05 19 00-0799 EA 16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,596.43	346.64
For Class 52 Rating, Deduct	-117.83	
For Class 54 Rating, Add	80.34	
For Class 55 Rating, Add	178.57	
40 05 19 00-0800 EA 16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,682.30	348.42
For Class 52 Rating, Deduct	-126.98	
For Class 54 Rating, Add	86.58	
For Class 55 Rating, Add	192.44	
40 05 19 00-0801 EA 16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,768.19	350.18
For Class 52 Rating, Deduct	-136.14	
For Class 54 Rating, Add	92.82	
For Class 55 Rating, Add	206.31	



## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0802	EA		16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,854.06	351.95
			<i>For Class 52 Rating, Deduct</i>	-145.29	
			<i>For Class 54 Rating, Add</i>	99.06	
			<i>For Class 55 Rating, Add</i>	220.18	
40 05 19 00-0803	EA		16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,939.94	353.72
			<i>For Class 52 Rating, Deduct</i>	-154.44	
			<i>For Class 54 Rating, Add</i>	105.30	
			<i>For Class 55 Rating, Add</i>	234.05	
40 05 19 00-0804	EA		16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,017.82	355.49
			<i>For Class 52 Rating, Deduct</i>	-162.71	
			<i>For Class 54 Rating, Add</i>	110.94	
			<i>For Class 55 Rating, Add</i>	246.58	
40 05 19 00-0805	EA		16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,111.70	357.25
			<i>For Class 52 Rating, Deduct</i>	-172.74	
			<i>For Class 54 Rating, Add</i>	117.78	
			<i>For Class 55 Rating, Add</i>	261.79	
40 05 19 00-0806	EA		16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,197.58	359.03
			<i>For Class 52 Rating, Deduct</i>	-181.90	
			<i>For Class 54 Rating, Add</i>	124.02	
			<i>For Class 55 Rating, Add</i>	275.66	
40 05 19 00-0807	EA		16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,283.46	360.79
			<i>For Class 52 Rating, Deduct</i>	-191.05	
			<i>For Class 54 Rating, Add</i>	130.26	
			<i>For Class 55 Rating, Add</i>	289.52	
40 05 19 00-0808	EA		16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,369.34	362.56
			<i>For Class 52 Rating, Deduct</i>	-200.20	
			<i>For Class 54 Rating, Add</i>	136.50	
			<i>For Class 55 Rating, Add</i>	303.39	
40 05 19 00-0809	EA		16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,455.22	364.34
			<i>For Class 52 Rating, Deduct</i>	-209.35	
			<i>For Class 54 Rating, Add</i>	142.74	
			<i>For Class 55 Rating, Add</i>	317.26	
40 05 19 00-0810	EA		16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,541.10	366.10
			<i>For Class 52 Rating, Deduct</i>	-218.50	
			<i>For Class 54 Rating, Add</i>	148.98	
			<i>For Class 55 Rating, Add</i>	331.13	
40 05 19 00-0811	EA		16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,626.98	367.87
			<i>For Class 52 Rating, Deduct</i>	-227.66	
			<i>For Class 54 Rating, Add</i>	155.22	
			<i>For Class 55 Rating, Add</i>	345.00	
40 05 19 00-0812	EA		16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,712.86	369.64
			<i>For Class 52 Rating, Deduct</i>	-236.81	
			<i>For Class 54 Rating, Add</i>	161.46	
			<i>For Class 55 Rating, Add</i>	358.87	
40 05 19 00-0813	EA		16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,798.74	371.41
			<i>For Class 52 Rating, Deduct</i>	-245.96	
			<i>For Class 54 Rating, Add</i>	167.70	
			<i>For Class 55 Rating, Add</i>	372.74	
40 05 19 00-0814	EA		16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,884.62	373.17
			<i>For Class 52 Rating, Deduct</i>	-255.11	
			<i>For Class 54 Rating, Add</i>	173.94	
			<i>For Class 55 Rating, Add</i>	386.61	
40 05 19 00-0815	EA		16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,970.50	374.95
			<i>For Class 52 Rating, Deduct</i>	-264.26	
			<i>For Class 54 Rating, Add</i>	180.18	
			<i>For Class 55 Rating, Add</i>	400.48	
40 05 19 00-0816	EA		16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,056.38	376.71
			<i>For Class 52 Rating, Deduct</i>	-273.42	
			<i>For Class 54 Rating, Add</i>	186.42	
			<i>For Class 55 Rating, Add</i>	414.35	
40 05 19 00-0817	EA		16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,142.26	378.48
			<i>For Class 52 Rating, Deduct</i>	-282.57	
			<i>For Class 54 Rating, Add</i>	192.66	
			<i>For Class 55 Rating, Add</i>	428.22	
40 05 19 00-0818	EA		16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,228.14	380.25
			<i>For Class 52 Rating, Deduct</i>	-291.72	
			<i>For Class 54 Rating, Add</i>	198.90	
			<i>For Class 55 Rating, Add</i>	442.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0819 EA 16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,314.02	382.02
For Class 52 Rating, Deduct	-300.87	
For Class 54 Rating, Add	205.14	
For Class 55 Rating, Add	455.96	
40 05 19 00-0820 EA 16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,399.90	383.78
For Class 52 Rating, Deduct	-310.02	
For Class 54 Rating, Add	211.38	
For Class 55 Rating, Add	469.83	
40 05 19 00-0821 EA 16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,485.78	385.56
For Class 52 Rating, Deduct	-319.18	
For Class 54 Rating, Add	217.62	
For Class 55 Rating, Add	483.70	
40 05 19 00-0822 EA 16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,571.65	387.32
For Class 52 Rating, Deduct	-328.33	
For Class 54 Rating, Add	223.86	
For Class 55 Rating, Add	497.57	
40 05 19 00-0823 EA 16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,657.54	389.09
For Class 52 Rating, Deduct	-337.48	
For Class 54 Rating, Add	230.10	
For Class 55 Rating, Add	511.44	
40 05 19 00-0824 EA 16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,743.41	390.87
For Class 52 Rating, Deduct	-346.63	
For Class 54 Rating, Add	236.34	
For Class 55 Rating, Add	525.31	
40 05 19 00-0825 EA 16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,829.30	392.63
For Class 52 Rating, Deduct	-355.78	
For Class 54 Rating, Add	242.58	
For Class 55 Rating, Add	539.17	
40 05 19 00-0826 EA 16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,915.17	394.40
For Class 52 Rating, Deduct	-364.94	
For Class 54 Rating, Add	248.82	
For Class 55 Rating, Add	553.04	
40 05 19 00-0827 EA 16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,001.06	396.17
For Class 52 Rating, Deduct	-374.09	
For Class 54 Rating, Add	255.06	
For Class 55 Rating, Add	566.91	
40 05 19 00-0828 EA 16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,086.93	397.94
For Class 52 Rating, Deduct	-383.24	
For Class 54 Rating, Add	261.30	
For Class 55 Rating, Add	580.78	
40 05 19 00-0829 EA 16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,172.81	399.70
For Class 52 Rating, Deduct	-392.39	
For Class 54 Rating, Add	267.54	
For Class 55 Rating, Add	594.65	
40 05 19 00-0830 EA 16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,258.69	401.48
For Class 52 Rating, Deduct	-401.54	
For Class 54 Rating, Add	273.78	
For Class 55 Rating, Add	608.52	
40 05 19 00-0831 EA 16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,344.58	403.24
For Class 52 Rating, Deduct	-410.70	
For Class 54 Rating, Add	280.02	
For Class 55 Rating, Add	622.39	
40 05 19 00-0832 EA 16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,430.45	405.01
For Class 52 Rating, Deduct	-419.85	
For Class 54 Rating, Add	286.26	
For Class 55 Rating, Add	636.26	
<b>40 05 19 00-0833 18" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)</b>		
40 05 19 00-0834 EA 18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,455.89	382.73
For Class 52 Rating, Deduct	-96.36	
For Class 54 Rating, Add	65.70	
For Class 55 Rating, Add	146.03	
40 05 19 00-0835 EA 18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,554.57	384.50
For Class 52 Rating, Deduct	-106.92	
For Class 54 Rating, Add	72.90	
For Class 55 Rating, Add	162.03	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0836	EA		18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,653.25	386.27
			For Class 52 Rating, Deduct	-117.48	
			For Class 54 Rating, Add	80.10	
			For Class 55 Rating, Add	178.04	
40 05 19 00-0837	EA		18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,751.92	388.03
			For Class 52 Rating, Deduct	-128.04	
			For Class 54 Rating, Add	87.30	
			For Class 55 Rating, Add	194.04	
40 05 19 00-0838	EA		18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,850.61	389.81
			For Class 52 Rating, Deduct	-138.60	
			For Class 54 Rating, Add	94.50	
			For Class 55 Rating, Add	210.04	
40 05 19 00-0839	EA		18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,949.28	391.57
			For Class 52 Rating, Deduct	-149.16	
			For Class 54 Rating, Add	101.70	
			For Class 55 Rating, Add	226.05	
40 05 19 00-0840	EA		18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,047.97	393.34
			For Class 52 Rating, Deduct	-159.72	
			For Class 54 Rating, Add	108.90	
			For Class 55 Rating, Add	242.05	
40 05 19 00-0841	EA		18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,146.64	395.11
			For Class 52 Rating, Deduct	-170.28	
			For Class 54 Rating, Add	116.10	
			For Class 55 Rating, Add	258.05	
40 05 19 00-0842	EA		18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,245.33	396.88
			For Class 52 Rating, Deduct	-180.84	
			For Class 54 Rating, Add	123.30	
			For Class 55 Rating, Add	274.05	
40 05 19 00-0843	EA		18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,344.00	398.64
			For Class 52 Rating, Deduct	-191.40	
			For Class 54 Rating, Add	130.50	
			For Class 55 Rating, Add	290.06	
40 05 19 00-0844	EA		18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,442.69	400.42
			For Class 52 Rating, Deduct	-201.96	
			For Class 54 Rating, Add	137.70	
			For Class 55 Rating, Add	306.06	
40 05 19 00-0845	EA		18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,541.36	402.18
			For Class 52 Rating, Deduct	-212.52	
			For Class 54 Rating, Add	144.90	
			For Class 55 Rating, Add	322.06	
40 05 19 00-0846	EA		18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,640.05	403.95
			For Class 52 Rating, Deduct	-223.08	
			For Class 54 Rating, Add	152.10	
			For Class 55 Rating, Add	338.07	
40 05 19 00-0847	EA		18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,738.72	405.72
			For Class 52 Rating, Deduct	-233.64	
			For Class 54 Rating, Add	159.30	
			For Class 55 Rating, Add	354.07	
40 05 19 00-0848	EA		18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,837.41	407.49
			For Class 52 Rating, Deduct	-244.20	
			For Class 54 Rating, Add	166.50	
			For Class 55 Rating, Add	370.07	
40 05 19 00-0849	EA		18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,936.08	409.25
			For Class 52 Rating, Deduct	-254.76	
			For Class 54 Rating, Add	173.70	
			For Class 55 Rating, Add	386.08	
40 05 19 00-0850	EA		18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,034.77	411.03
			For Class 52 Rating, Deduct	-265.32	
			For Class 54 Rating, Add	180.90	
			For Class 55 Rating, Add	402.08	
40 05 19 00-0851	EA		18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,133.44	412.80
			For Class 52 Rating, Deduct	-275.88	
			For Class 54 Rating, Add	188.10	
			For Class 55 Rating, Add	418.08	
40 05 19 00-0852	EA		18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,232.13	414.56
			For Class 52 Rating, Deduct	-286.44	
			For Class 54 Rating, Add	195.30	
			For Class 55 Rating, Add	434.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0853 EA 18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,330.80	416.34
<i>For Class 52 Rating, Deduct</i>	-297.00	
<i>For Class 54 Rating, Add</i>	202.50	
<i>For Class 55 Rating, Add</i>	450.09	
40 05 19 00-0854 EA 18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,429.48	418.10
<i>For Class 52 Rating, Deduct</i>	-307.56	
<i>For Class 54 Rating, Add</i>	209.70	
<i>For Class 55 Rating, Add</i>	466.09	
40 05 19 00-0855 EA 18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,528.16	419.87
<i>For Class 52 Rating, Deduct</i>	-318.12	
<i>For Class 54 Rating, Add</i>	216.90	
<i>For Class 55 Rating, Add</i>	482.10	
40 05 19 00-0856 EA 18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,626.84	421.64
<i>For Class 52 Rating, Deduct</i>	-328.68	
<i>For Class 54 Rating, Add</i>	224.10	
<i>For Class 55 Rating, Add</i>	498.10	
40 05 19 00-0857 EA 18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,725.52	423.41
<i>For Class 52 Rating, Deduct</i>	-339.24	
<i>For Class 54 Rating, Add</i>	231.30	
<i>For Class 55 Rating, Add</i>	514.10	
40 05 19 00-0858 EA 18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,824.20	425.17
<i>For Class 52 Rating, Deduct</i>	-349.80	
<i>For Class 54 Rating, Add</i>	238.50	
<i>For Class 55 Rating, Add</i>	530.11	
40 05 19 00-0859 EA 18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,922.88	426.95
<i>For Class 52 Rating, Deduct</i>	-360.36	
<i>For Class 54 Rating, Add</i>	245.70	
<i>For Class 55 Rating, Add</i>	546.11	
40 05 19 00-0860 EA 18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,021.56	428.71
<i>For Class 52 Rating, Deduct</i>	-370.92	
<i>For Class 54 Rating, Add</i>	252.90	
<i>For Class 55 Rating, Add</i>	562.11	
40 05 19 00-0861 EA 18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,120.24	430.48
<i>For Class 52 Rating, Deduct</i>	-381.48	
<i>For Class 54 Rating, Add</i>	260.10	
<i>For Class 55 Rating, Add</i>	578.12	
40 05 19 00-0862 EA 18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,218.92	432.25
<i>For Class 52 Rating, Deduct</i>	-392.04	
<i>For Class 54 Rating, Add</i>	267.30	
<i>For Class 55 Rating, Add</i>	594.12	
40 05 19 00-0863 EA 18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,317.60	434.02
<i>For Class 52 Rating, Deduct</i>	-402.60	
<i>For Class 54 Rating, Add</i>	274.50	
<i>For Class 55 Rating, Add</i>	610.12	
40 05 19 00-0864 EA 18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,416.28	435.78
<i>For Class 52 Rating, Deduct</i>	-413.16	
<i>For Class 54 Rating, Add</i>	281.70	
<i>For Class 55 Rating, Add</i>	626.13	
40 05 19 00-0865 EA 18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,514.96	437.56
<i>For Class 52 Rating, Deduct</i>	-423.72	
<i>For Class 54 Rating, Add</i>	288.90	
<i>For Class 55 Rating, Add</i>	642.13	
40 05 19 00-0866 EA 18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,613.64	439.33
<i>For Class 52 Rating, Deduct</i>	-434.28	
<i>For Class 54 Rating, Add</i>	296.10	
<i>For Class 55 Rating, Add</i>	658.13	
40 05 19 00-0867 EA 18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,712.32	441.09
<i>For Class 52 Rating, Deduct</i>	-444.84	
<i>For Class 54 Rating, Add</i>	303.30	
<i>For Class 55 Rating, Add</i>	674.13	
40 05 19 00-0868 EA 18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,811.00	442.87
<i>For Class 52 Rating, Deduct</i>	-455.40	
<i>For Class 54 Rating, Add</i>	310.50	
<i>For Class 55 Rating, Add</i>	690.14	
40 05 19 00-0869 EA 18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,909.68	444.63
<i>For Class 52 Rating, Deduct</i>	-465.96	
<i>For Class 54 Rating, Add</i>	317.70	
<i>For Class 55 Rating, Add</i>	706.14	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0870	EA		18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,008.36	446.40
			<i>For Class 52 Rating, Deduct</i>	-476.52	
			<i>For Class 54 Rating, Add</i>	324.90	
			<i>For Class 55 Rating, Add</i>	722.14	
40 05 19 00-0871	EA		18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,107.04	448.16
			<i>For Class 52 Rating, Deduct</i>	-487.08	
			<i>For Class 54 Rating, Add</i>	332.10	
			<i>For Class 55 Rating, Add</i>	738.15	
<b>40 05 19 00-0872</b>			<b>20" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small></b>		
40 05 19 00-0873	EA		20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,685.09	436.84
			<i>For Class 52 Rating, Deduct</i>	-112.55	
			<i>For Class 54 Rating, Add</i>	76.74	
			<i>For Class 55 Rating, Add</i>	170.57	
40 05 19 00-0874	EA		20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,798.16	438.61
			<i>For Class 52 Rating, Deduct</i>	-124.70	
			<i>For Class 54 Rating, Add</i>	85.02	
			<i>For Class 55 Rating, Add</i>	188.97	
40 05 19 00-0875	EA		20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,911.25	440.38
			<i>For Class 52 Rating, Deduct</i>	-136.84	
			<i>For Class 54 Rating, Add</i>	93.30	
			<i>For Class 55 Rating, Add</i>	207.37	
40 05 19 00-0876	EA		20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,024.32	442.15
			<i>For Class 52 Rating, Deduct</i>	-148.98	
			<i>For Class 54 Rating, Add</i>	101.58	
			<i>For Class 55 Rating, Add</i>	225.78	
40 05 19 00-0877	EA		20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,137.41	443.91
			<i>For Class 52 Rating, Deduct</i>	-161.13	
			<i>For Class 54 Rating, Add</i>	109.86	
			<i>For Class 55 Rating, Add</i>	244.18	
40 05 19 00-0878	EA		20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,250.48	445.69
			<i>For Class 52 Rating, Deduct</i>	-173.27	
			<i>For Class 54 Rating, Add</i>	118.14	
			<i>For Class 55 Rating, Add</i>	262.59	
40 05 19 00-0879	EA		20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,363.57	447.46
			<i>For Class 52 Rating, Deduct</i>	-185.42	
			<i>For Class 54 Rating, Add</i>	126.42	
			<i>For Class 55 Rating, Add</i>	280.99	
40 05 19 00-0880	EA		20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,476.64	449.22
			<i>For Class 52 Rating, Deduct</i>	-197.56	
			<i>For Class 54 Rating, Add</i>	134.70	
			<i>For Class 55 Rating, Add</i>	299.39	
40 05 19 00-0881	EA		20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,589.72	451.00
			<i>For Class 52 Rating, Deduct</i>	-209.70	
			<i>For Class 54 Rating, Add</i>	142.98	
			<i>For Class 55 Rating, Add</i>	317.80	
40 05 19 00-0882	EA		20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,702.80	452.76
			<i>For Class 52 Rating, Deduct</i>	-221.85	
			<i>For Class 54 Rating, Add</i>	151.26	
			<i>For Class 55 Rating, Add</i>	336.20	
40 05 19 00-0883	EA		20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,815.88	454.53
			<i>For Class 52 Rating, Deduct</i>	-233.99	
			<i>For Class 54 Rating, Add</i>	159.54	
			<i>For Class 55 Rating, Add</i>	354.60	
40 05 19 00-0884	EA		20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,928.96	456.30
			<i>For Class 52 Rating, Deduct</i>	-246.14	
			<i>For Class 54 Rating, Add</i>	167.82	
			<i>For Class 55 Rating, Add</i>	373.01	
40 05 19 00-0885	EA		20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,042.04	458.07
			<i>For Class 52 Rating, Deduct</i>	-258.28	
			<i>For Class 54 Rating, Add</i>	176.10	
			<i>For Class 55 Rating, Add</i>	391.41	
40 05 19 00-0886	EA		20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,155.12	459.83
			<i>For Class 52 Rating, Deduct</i>	-270.42	
			<i>For Class 54 Rating, Add</i>	184.38	
			<i>For Class 55 Rating, Add</i>	409.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0887 EA 20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,268.20	461.61
<i>For Class 52 Rating, Deduct</i>	-282.57	
<i>For Class 54 Rating, Add</i>	192.66	
<i>For Class 55 Rating, Add</i>	428.22	
40 05 19 00-0888 EA 20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,381.28	463.37
<i>For Class 52 Rating, Deduct</i>	-294.71	
<i>For Class 54 Rating, Add</i>	200.94	
<i>For Class 55 Rating, Add</i>	446.62	
40 05 19 00-0889 EA 20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,494.36	465.14
<i>For Class 52 Rating, Deduct</i>	-306.86	
<i>For Class 54 Rating, Add</i>	209.22	
<i>For Class 55 Rating, Add</i>	465.03	
40 05 19 00-0890 EA 20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,607.44	466.91
<i>For Class 52 Rating, Deduct</i>	-319.00	
<i>For Class 54 Rating, Add</i>	217.50	
<i>For Class 55 Rating, Add</i>	483.43	
40 05 19 00-0891 EA 20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,720.52	468.68
<i>For Class 52 Rating, Deduct</i>	-331.14	
<i>For Class 54 Rating, Add</i>	225.78	
<i>For Class 55 Rating, Add</i>	501.83	
40 05 19 00-0892 EA 20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,833.60	470.44
<i>For Class 52 Rating, Deduct</i>	-343.29	
<i>For Class 54 Rating, Add</i>	234.06	
<i>For Class 55 Rating, Add</i>	520.24	
40 05 19 00-0893 EA 20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,946.68	472.22
<i>For Class 52 Rating, Deduct</i>	-355.43	
<i>For Class 54 Rating, Add</i>	242.34	
<i>For Class 55 Rating, Add</i>	538.64	
40 05 19 00-0894 EA 20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,059.76	473.99
<i>For Class 52 Rating, Deduct</i>	-367.58	
<i>For Class 54 Rating, Add</i>	250.62	
<i>For Class 55 Rating, Add</i>	557.04	
40 05 19 00-0895 EA 20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,172.84	475.75
<i>For Class 52 Rating, Deduct</i>	-379.72	
<i>For Class 54 Rating, Add</i>	258.90	
<i>For Class 55 Rating, Add</i>	575.45	
40 05 19 00-0896 EA 20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,285.92	477.53
<i>For Class 52 Rating, Deduct</i>	-391.86	
<i>For Class 54 Rating, Add</i>	267.18	
<i>For Class 55 Rating, Add</i>	593.85	
40 05 19 00-0897 EA 20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,399.00	479.29
<i>For Class 52 Rating, Deduct</i>	-404.01	
<i>For Class 54 Rating, Add</i>	275.46	
<i>For Class 55 Rating, Add</i>	612.26	
40 05 19 00-0898 EA 20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,512.08	481.06
<i>For Class 52 Rating, Deduct</i>	-416.15	
<i>For Class 54 Rating, Add</i>	283.74	
<i>For Class 55 Rating, Add</i>	630.66	
40 05 19 00-0899 EA 20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,625.16	482.83
<i>For Class 52 Rating, Deduct</i>	-428.30	
<i>For Class 54 Rating, Add</i>	292.02	
<i>For Class 55 Rating, Add</i>	649.06	
40 05 19 00-0900 EA 20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,738.23	484.60
<i>For Class 52 Rating, Deduct</i>	-440.44	
<i>For Class 54 Rating, Add</i>	300.30	
<i>For Class 55 Rating, Add</i>	667.47	
40 05 19 00-0901 EA 20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,851.32	486.36
<i>For Class 52 Rating, Deduct</i>	-452.58	
<i>For Class 54 Rating, Add</i>	308.58	
<i>For Class 55 Rating, Add</i>	685.87	
40 05 19 00-0902 EA 20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,964.39	488.14
<i>For Class 52 Rating, Deduct</i>	-464.73	
<i>For Class 54 Rating, Add</i>	316.86	
<i>For Class 55 Rating, Add</i>	704.27	
40 05 19 00-0903 EA 20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,077.48	489.90
<i>For Class 52 Rating, Deduct</i>	-476.87	
<i>For Class 54 Rating, Add</i>	325.14	
<i>For Class 55 Rating, Add</i>	722.68	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0904	EA		20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,190.55	491.67
			For Class 52 Rating, Deduct	-489.02	
			For Class 54 Rating, Add	333.42	
			For Class 55 Rating, Add	741.08	
40 05 19 00-0905	EA		20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,303.64	493.44
			For Class 52 Rating, Deduct	-501.16	
			For Class 54 Rating, Add	341.70	
			For Class 55 Rating, Add	759.49	
40 05 19 00-0906	EA		20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,416.71	495.21
			For Class 52 Rating, Deduct	-513.30	
			For Class 54 Rating, Add	349.98	
			For Class 55 Rating, Add	777.89	
40 05 19 00-0907	EA		20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,529.80	496.97
			For Class 52 Rating, Deduct	-525.45	
			For Class 54 Rating, Add	358.26	
			For Class 55 Rating, Add	796.29	
40 05 19 00-0908	EA		20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,642.87	498.75
			For Class 52 Rating, Deduct	-537.59	
			For Class 54 Rating, Add	366.54	
			For Class 55 Rating, Add	814.70	
40 05 19 00-0909	EA		20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,755.96	500.52
			For Class 52 Rating, Deduct	-549.74	
			For Class 54 Rating, Add	374.82	
			For Class 55 Rating, Add	833.10	
40 05 19 00-0910	EA		20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,869.03	502.28
			For Class 52 Rating, Deduct	-561.88	
			For Class 54 Rating, Add	383.10	
			For Class 55 Rating, Add	851.50	
40 05 19 00-0911			<b>24" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> (40 05 19 00-0554)		
40 05 19 00-0912	EA		24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,075.27	516.43
			For Class 52 Rating, Deduct	-142.21	
			For Class 54 Rating, Add	96.96	
			For Class 55 Rating, Add	215.51	
40 05 19 00-0913	EA		24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,214.75	518.20
			For Class 52 Rating, Deduct	-157.26	
			For Class 54 Rating, Add	107.22	
			For Class 55 Rating, Add	238.31	
40 05 19 00-0914	EA		24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,354.23	519.97
			For Class 52 Rating, Deduct	-172.30	
			For Class 54 Rating, Add	117.48	
			For Class 55 Rating, Add	261.12	
40 05 19 00-0915	EA		24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,493.71	521.74
			For Class 52 Rating, Deduct	-187.35	
			For Class 54 Rating, Add	127.74	
			For Class 55 Rating, Add	283.92	
40 05 19 00-0916	EA		24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,633.19	523.50
			For Class 52 Rating, Deduct	-202.40	
			For Class 54 Rating, Add	138.00	
			For Class 55 Rating, Add	306.73	
40 05 19 00-0917	EA		24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,772.67	525.28
			For Class 52 Rating, Deduct	-217.45	
			For Class 54 Rating, Add	148.26	
			For Class 55 Rating, Add	329.53	
40 05 19 00-0918	EA		24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,912.15	527.04
			For Class 52 Rating, Deduct	-232.50	
			For Class 54 Rating, Add	158.52	
			For Class 55 Rating, Add	352.34	
40 05 19 00-0919	EA		24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,051.63	528.81
			For Class 52 Rating, Deduct	-247.54	
			For Class 54 Rating, Add	168.78	
			For Class 55 Rating, Add	375.14	
40 05 19 00-0920	EA		24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,191.11	530.59
			For Class 52 Rating, Deduct	-262.59	
			For Class 54 Rating, Add	179.04	
			For Class 55 Rating, Add	397.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0921 EA 24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,330.59	532.35
<i>For Class 52 Rating, Deduct</i>	-277.64	
<i>For Class 54 Rating, Add</i>	189.30	
<i>For Class 55 Rating, Add</i>	420.75	
40 05 19 00-0922 EA 24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,470.07	534.12
<i>For Class 52 Rating, Deduct</i>	-292.69	
<i>For Class 54 Rating, Add</i>	199.56	
<i>For Class 55 Rating, Add</i>	443.56	
40 05 19 00-0923 EA 24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,609.55	535.89
<i>For Class 52 Rating, Deduct</i>	-307.74	
<i>For Class 54 Rating, Add</i>	209.82	
<i>For Class 55 Rating, Add</i>	466.36	
40 05 19 00-0924 EA 24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,749.03	537.66
<i>For Class 52 Rating, Deduct</i>	-322.78	
<i>For Class 54 Rating, Add</i>	220.08	
<i>For Class 55 Rating, Add</i>	489.16	
40 05 19 00-0925 EA 24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,888.51	539.42
<i>For Class 52 Rating, Deduct</i>	-337.83	
<i>For Class 54 Rating, Add</i>	230.34	
<i>For Class 55 Rating, Add</i>	511.97	
40 05 19 00-0926 EA 24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,027.99	541.20
<i>For Class 52 Rating, Deduct</i>	-352.88	
<i>For Class 54 Rating, Add</i>	240.60	
<i>For Class 55 Rating, Add</i>	534.77	
40 05 19 00-0927 EA 24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,167.47	542.96
<i>For Class 52 Rating, Deduct</i>	-367.93	
<i>For Class 54 Rating, Add</i>	250.86	
<i>For Class 55 Rating, Add</i>	557.58	
40 05 19 00-0928 EA 24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,306.95	544.73
<i>For Class 52 Rating, Deduct</i>	-382.98	
<i>For Class 54 Rating, Add</i>	261.12	
<i>For Class 55 Rating, Add</i>	580.38	
40 05 19 00-0929 EA 24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,446.43	546.50
<i>For Class 52 Rating, Deduct</i>	-398.02	
<i>For Class 54 Rating, Add</i>	271.38	
<i>For Class 55 Rating, Add</i>	603.19	
40 05 19 00-0930 EA 24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,585.90	548.27
<i>For Class 52 Rating, Deduct</i>	-413.07	
<i>For Class 54 Rating, Add</i>	281.64	
<i>For Class 55 Rating, Add</i>	625.99	
40 05 19 00-0931 EA 24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,725.39	550.03
<i>For Class 52 Rating, Deduct</i>	-428.12	
<i>For Class 54 Rating, Add</i>	291.90	
<i>For Class 55 Rating, Add</i>	648.80	
40 05 19 00-0932 EA 24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,864.86	551.81
<i>For Class 52 Rating, Deduct</i>	-443.17	
<i>For Class 54 Rating, Add</i>	302.16	
<i>For Class 55 Rating, Add</i>	671.60	
40 05 19 00-0933 EA 24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,004.35	553.57
<i>For Class 52 Rating, Deduct</i>	-458.22	
<i>For Class 54 Rating, Add</i>	312.42	
<i>For Class 55 Rating, Add</i>	694.41	
40 05 19 00-0934 EA 24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,143.82	555.34
<i>For Class 52 Rating, Deduct</i>	-473.26	
<i>For Class 54 Rating, Add</i>	322.68	
<i>For Class 55 Rating, Add</i>	717.21	
40 05 19 00-0935 EA 24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,283.31	557.11
<i>For Class 52 Rating, Deduct</i>	-488.31	
<i>For Class 54 Rating, Add</i>	332.94	
<i>For Class 55 Rating, Add</i>	740.01	
40 05 19 00-0936 EA 24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,422.78	558.88
<i>For Class 52 Rating, Deduct</i>	-503.36	
<i>For Class 54 Rating, Add</i>	343.20	
<i>For Class 55 Rating, Add</i>	762.82	
40 05 19 00-0937 EA 24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,562.27	560.65
<i>For Class 52 Rating, Deduct</i>	-518.41	
<i>For Class 54 Rating, Add</i>	353.46	
<i>For Class 55 Rating, Add</i>	785.62	



**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0938	EA		24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,701.74	562.41
			For Class 52 Rating, Deduct	-533.46	
			For Class 54 Rating, Add	363.72	
			For Class 55 Rating, Add	808.43	
40 05 19 00-0939	EA		24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,841.23	564.19
			For Class 52 Rating, Deduct	-548.50	
			For Class 54 Rating, Add	373.98	
			For Class 55 Rating, Add	831.23	
40 05 19 00-0940	EA		24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,980.70	565.95
			For Class 52 Rating, Deduct	-563.55	
			For Class 54 Rating, Add	384.24	
			For Class 55 Rating, Add	854.04	
40 05 19 00-0941	EA		24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,165.74	597.79
			For Class 52 Rating, Deduct	-578.60	
			For Class 54 Rating, Add	394.50	
			For Class 55 Rating, Add	876.84	
40 05 19 00-0942	EA		24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,305.22	599.55
			For Class 52 Rating, Deduct	-593.65	
			For Class 54 Rating, Add	404.76	
			For Class 55 Rating, Add	899.65	
40 05 19 00-0943	EA		24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,444.70	601.33
			For Class 52 Rating, Deduct	-608.70	
			For Class 54 Rating, Add	415.02	
			For Class 55 Rating, Add	922.45	
40 05 19 00-0944	EA		24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,584.18	603.09
			For Class 52 Rating, Deduct	-623.74	
			For Class 54 Rating, Add	425.28	
			For Class 55 Rating, Add	945.26	
40 05 19 00-0945	EA		24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,723.66	604.86
			For Class 52 Rating, Deduct	-638.79	
			For Class 54 Rating, Add	435.54	
			For Class 55 Rating, Add	968.06	
40 05 19 00-0946	EA		24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,863.14	606.63
			For Class 52 Rating, Deduct	-653.84	
			For Class 54 Rating, Add	445.80	
			For Class 55 Rating, Add	990.86	
40 05 19 00-0947	EA		24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,002.62	608.40
			For Class 52 Rating, Deduct	-668.89	
			For Class 54 Rating, Add	456.06	
			For Class 55 Rating, Add	1,013.67	
40 05 19 00-0948	EA		24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,142.10	610.16
			For Class 52 Rating, Deduct	-683.94	
			For Class 54 Rating, Add	466.32	
			For Class 55 Rating, Add	1,036.47	
40 05 19 00-0949	EA		24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,281.57	611.94
			For Class 52 Rating, Deduct	-698.98	
			For Class 54 Rating, Add	476.58	
			For Class 55 Rating, Add	1,059.28	
40 05 19 00-0950			<b>30" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0554)</small>		
40 05 19 00-0951	EA		30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,168.04	728.66
			For Class 52 Rating, Deduct	-227.04	
			For Class 54 Rating, Add	154.80	
			For Class 55 Rating, Add	344.07	
40 05 19 00-0952	EA		30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,368.32	730.44
			For Class 52 Rating, Deduct	-248.78	
			For Class 54 Rating, Add	169.62	
			For Class 55 Rating, Add	377.01	
40 05 19 00-0953	EA		30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,568.60	732.20
			For Class 52 Rating, Deduct	-270.51	
			For Class 54 Rating, Add	184.44	
			For Class 55 Rating, Add	409.95	
40 05 19 00-0954	EA		30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,768.88	733.97
			For Class 52 Rating, Deduct	-292.25	
			For Class 54 Rating, Add	199.26	
			For Class 55 Rating, Add	442.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0955 EA 30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,969.16	735.74
<i>For Class 52 Rating, Deduct</i>	-313.98	
<i>For Class 54 Rating, Add</i>	214.08	
<i>For Class 55 Rating, Add</i>	475.83	
40 05 19 00-0956 EA 30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,169.44	737.51
<i>For Class 52 Rating, Deduct</i>	-335.72	
<i>For Class 54 Rating, Add</i>	228.90	
<i>For Class 55 Rating, Add</i>	508.77	
40 05 19 00-0957 EA 30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,369.72	739.27
<i>For Class 52 Rating, Deduct</i>	-357.46	
<i>For Class 54 Rating, Add</i>	243.72	
<i>For Class 55 Rating, Add</i>	541.71	
40 05 19 00-0958 EA 30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,570.00	741.05
<i>For Class 52 Rating, Deduct</i>	-379.19	
<i>For Class 54 Rating, Add</i>	258.54	
<i>For Class 55 Rating, Add</i>	574.65	
40 05 19 00-0959 EA 30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,770.27	742.81
<i>For Class 52 Rating, Deduct</i>	-400.93	
<i>For Class 54 Rating, Add</i>	273.36	
<i>For Class 55 Rating, Add</i>	607.59	
40 05 19 00-0960 EA 30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,970.56	744.58
<i>For Class 52 Rating, Deduct</i>	-422.66	
<i>For Class 54 Rating, Add</i>	288.18	
<i>For Class 55 Rating, Add</i>	640.53	
40 05 19 00-0961 EA 30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,170.83	746.35
<i>For Class 52 Rating, Deduct</i>	-444.40	
<i>For Class 54 Rating, Add</i>	303.00	
<i>For Class 55 Rating, Add</i>	673.47	
40 05 19 00-0962 EA 30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,371.12	748.12
<i>For Class 52 Rating, Deduct</i>	-466.14	
<i>For Class 54 Rating, Add</i>	317.82	
<i>For Class 55 Rating, Add</i>	706.41	
40 05 19 00-0963 EA 30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,571.39	749.89
<i>For Class 52 Rating, Deduct</i>	-487.87	
<i>For Class 54 Rating, Add</i>	332.64	
<i>For Class 55 Rating, Add</i>	739.35	
40 05 19 00-0964 EA 30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,771.68	751.66
<i>For Class 52 Rating, Deduct</i>	-509.61	
<i>For Class 54 Rating, Add</i>	347.46	
<i>For Class 55 Rating, Add</i>	772.29	
40 05 19 00-0965 EA 30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,971.95	753.43
<i>For Class 52 Rating, Deduct</i>	-531.34	
<i>For Class 54 Rating, Add</i>	362.28	
<i>For Class 55 Rating, Add</i>	805.23	
40 05 19 00-0966 EA 30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,172.24	755.19
<i>For Class 52 Rating, Deduct</i>	-553.08	
<i>For Class 54 Rating, Add</i>	377.10	
<i>For Class 55 Rating, Add</i>	838.17	
40 05 19 00-0967 EA 30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,372.51	756.97
<i>For Class 52 Rating, Deduct</i>	-574.82	
<i>For Class 54 Rating, Add</i>	391.92	
<i>For Class 55 Rating, Add</i>	871.11	
40 05 19 00-0968 EA 30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,572.80	758.73
<i>For Class 52 Rating, Deduct</i>	-596.55	
<i>For Class 54 Rating, Add</i>	406.74	
<i>For Class 55 Rating, Add</i>	904.05	
40 05 19 00-0969 EA 30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,773.07	760.50
<i>For Class 52 Rating, Deduct</i>	-618.29	
<i>For Class 54 Rating, Add</i>	421.56	
<i>For Class 55 Rating, Add</i>	936.99	
40 05 19 00-0970 EA 30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,973.36	762.27
<i>For Class 52 Rating, Deduct</i>	-640.02	
<i>For Class 54 Rating, Add</i>	436.38	
<i>For Class 55 Rating, Add</i>	969.93	
40 05 19 00-0971 EA 30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,173.63	764.04
<i>For Class 52 Rating, Deduct</i>	-661.76	
<i>For Class 54 Rating, Add</i>	451.20	
<i>For Class 55 Rating, Add</i>	1,002.87	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0972	EA		30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,373.92	765.80
			For Class 52 Rating, Deduct	-683.50	
			For Class 54 Rating, Add	466.02	
			For Class 55 Rating, Add	1,035.81	
40 05 19 00-0973	EA		30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,574.19	767.58
			For Class 52 Rating, Deduct	-705.23	
			For Class 54 Rating, Add	480.84	
			For Class 55 Rating, Add	1,068.75	
40 05 19 00-0974	EA		30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,774.48	769.34
			For Class 52 Rating, Deduct	-726.97	
			For Class 54 Rating, Add	495.66	
			For Class 55 Rating, Add	1,101.69	
40 05 19 00-0975	EA		30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,974.75	771.11
			For Class 52 Rating, Deduct	-748.70	
			For Class 54 Rating, Add	510.48	
			For Class 55 Rating, Add	1,134.63	
40 05 19 00-0976	EA		30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,175.03	772.88
			For Class 52 Rating, Deduct	-770.44	
			For Class 54 Rating, Add	525.30	
			For Class 55 Rating, Add	1,167.57	
40 05 19 00-0977	EA		30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,375.31	774.65
			For Class 52 Rating, Deduct	-792.18	
			For Class 54 Rating, Add	540.12	
			For Class 55 Rating, Add	1,200.51	
40 05 19 00-0978	EA		30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,575.59	776.41
			For Class 52 Rating, Deduct	-813.91	
			For Class 54 Rating, Add	554.94	
			For Class 55 Rating, Add	1,233.45	
40 05 19 00-0979	EA		30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,775.87	778.19
			For Class 52 Rating, Deduct	-835.65	
			For Class 54 Rating, Add	569.76	
			For Class 55 Rating, Add	1,266.39	
40 05 19 00-0980	EA		30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,976.15	779.96
			For Class 52 Rating, Deduct	-857.38	
			For Class 54 Rating, Add	584.58	
			For Class 55 Rating, Add	1,299.33	
40 05 19 00-0981	EA		30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,176.43	781.72
			For Class 52 Rating, Deduct	-879.12	
			For Class 54 Rating, Add	599.40	
			For Class 55 Rating, Add	1,332.27	
40 05 19 00-0982	EA		30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,376.71	783.50
			For Class 52 Rating, Deduct	-900.86	
			For Class 54 Rating, Add	614.22	
			For Class 55 Rating, Add	1,365.21	
40 05 19 00-0983	EA		30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,576.99	785.26
			For Class 52 Rating, Deduct	-922.59	
			For Class 54 Rating, Add	629.04	
			For Class 55 Rating, Add	1,398.15	
40 05 19 00-0984	EA		30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,777.27	787.03
			For Class 52 Rating, Deduct	-944.33	
			For Class 54 Rating, Add	643.86	
			For Class 55 Rating, Add	1,431.09	
40 05 19 00-0985	EA		30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,977.55	788.80
			For Class 52 Rating, Deduct	-966.06	
			For Class 54 Rating, Add	658.68	
			For Class 55 Rating, Add	1,464.03	
40 05 19 00-0986	EA		30" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,177.83	790.57
			For Class 52 Rating, Deduct	-987.80	
			For Class 54 Rating, Add	673.50	
			For Class 55 Rating, Add	1,496.97	
40 05 19 00-0987	EA		30" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,378.11	792.33
			For Class 52 Rating, Deduct	-1,009.54	
			For Class 54 Rating, Add	688.32	
			For Class 55 Rating, Add	1,529.91	
40 05 19 00-0988	EA		30" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,578.39	794.11
			For Class 52 Rating, Deduct	-1,031.27	
			For Class 54 Rating, Add	703.14	
			For Class 55 Rating, Add	1,562.85	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0989				<b>36" Flanged End x Grooved End (F&amp;G), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0554)</small>		
40 05 19 00-0990	EA			36" Flanged x Grooved (F&G), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,308.41	923.22
				For Class 52 Rating, Deduct	-320.06	
				For Class 54 Rating, Add	218.22	
				For Class 55 Rating, Add	485.03	
40 05 19 00-0991	EA			36" Flanged x Grooved (F&G), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,579.88	924.98
				For Class 52 Rating, Deduct	-349.62	
				For Class 54 Rating, Add	238.38	
				For Class 55 Rating, Add	529.84	
40 05 19 00-0992	EA			36" Flanged x Grooved (F&G), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,851.37	926.75
				For Class 52 Rating, Deduct	-379.19	
				For Class 54 Rating, Add	258.54	
				For Class 55 Rating, Add	574.65	
40 05 19 00-0993	EA			36" Flanged x Grooved (F&G), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,122.84	928.51
				For Class 52 Rating, Deduct	-408.76	
				For Class 54 Rating, Add	278.70	
				For Class 55 Rating, Add	619.46	
40 05 19 00-0994	EA			36" Flanged x Grooved (F&G), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,394.33	930.29
				For Class 52 Rating, Deduct	-438.33	
				For Class 54 Rating, Add	298.86	
				For Class 55 Rating, Add	664.27	
40 05 19 00-0995	EA			36" Flanged x Grooved (F&G), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,665.80	932.05
				For Class 52 Rating, Deduct	-467.90	
				For Class 54 Rating, Add	319.02	
				For Class 55 Rating, Add	709.08	
40 05 19 00-0996	EA			36" Flanged x Grooved (F&G), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,937.28	933.82
				For Class 52 Rating, Deduct	-497.46	
				For Class 54 Rating, Add	339.18	
				For Class 55 Rating, Add	753.88	
40 05 19 00-0997	EA			36" Flanged x Grooved (F&G), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,208.76	935.59
				For Class 52 Rating, Deduct	-527.03	
				For Class 54 Rating, Add	359.34	
				For Class 55 Rating, Add	798.69	
40 05 19 00-0998	EA			36" Flanged x Grooved (F&G), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,480.24	937.36
				For Class 52 Rating, Deduct	-556.60	
				For Class 54 Rating, Add	379.50	
				For Class 55 Rating, Add	843.50	
40 05 19 00-0999	EA			36" Flanged x Grooved (F&G), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,751.72	939.12
				For Class 52 Rating, Deduct	-586.17	
				For Class 54 Rating, Add	399.66	
				For Class 55 Rating, Add	888.31	
40 05 19 00-1000	EA			36" Flanged x Grooved (F&G), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,023.20	940.90
				For Class 52 Rating, Deduct	-615.74	
				For Class 54 Rating, Add	419.82	
				For Class 55 Rating, Add	933.12	
40 05 19 00-1001	EA			36" Flanged x Grooved (F&G), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,294.68	942.66
				For Class 52 Rating, Deduct	-645.30	
				For Class 54 Rating, Add	439.98	
				For Class 55 Rating, Add	977.93	
40 05 19 00-1002	EA			36" Flanged x Grooved (F&G), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,566.16	944.43
				For Class 52 Rating, Deduct	-674.87	
				For Class 54 Rating, Add	460.14	
				For Class 55 Rating, Add	1,022.74	
40 05 19 00-1003	EA			36" Flanged x Grooved (F&G), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,837.64	946.21
				For Class 52 Rating, Deduct	-704.44	
				For Class 54 Rating, Add	480.30	
				For Class 55 Rating, Add	1,067.55	
40 05 19 00-1004	EA			36" Flanged x Grooved (F&G), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,109.12	947.97
				For Class 52 Rating, Deduct	-734.01	
				For Class 54 Rating, Add	500.46	
				For Class 55 Rating, Add	1,112.36	
40 05 19 00-1005	EA			36" Flanged x Grooved (F&G), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,380.60	949.74
				For Class 52 Rating, Deduct	-763.58	
				For Class 54 Rating, Add	520.62	
				For Class 55 Rating, Add	1,157.16	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1006	EA		36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,652.08	951.51
			For Class 52 Rating, Deduct	-793.14	
			For Class 54 Rating, Add	540.78	
			For Class 55 Rating, Add	1,201.97	
40 05 19 00-1007	EA		36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,923.56	953.28
			For Class 52 Rating, Deduct	-822.71	
			For Class 54 Rating, Add	560.94	
			For Class 55 Rating, Add	1,246.78	
40 05 19 00-1008	EA		36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,195.04	955.04
			For Class 52 Rating, Deduct	-852.28	
			For Class 54 Rating, Add	581.10	
			For Class 55 Rating, Add	1,291.59	
40 05 19 00-1009	EA		36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,466.52	956.82
			For Class 52 Rating, Deduct	-881.85	
			For Class 54 Rating, Add	601.26	
			For Class 55 Rating, Add	1,336.40	
40 05 19 00-1010	EA		36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,738.00	958.58
			For Class 52 Rating, Deduct	-911.42	
			For Class 54 Rating, Add	621.42	
			For Class 55 Rating, Add	1,381.21	
40 05 19 00-1011	EA		36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,009.48	960.35
			For Class 52 Rating, Deduct	-940.98	
			For Class 54 Rating, Add	641.58	
			For Class 55 Rating, Add	1,426.02	
40 05 19 00-1012	EA		36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,280.96	962.12
			For Class 52 Rating, Deduct	-970.55	
			For Class 54 Rating, Add	661.74	
			For Class 55 Rating, Add	1,470.83	
40 05 19 00-1013	EA		36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,552.44	963.89
			For Class 52 Rating, Deduct	-1,000.12	
			For Class 54 Rating, Add	681.90	
			For Class 55 Rating, Add	1,515.64	
40 05 19 00-1014	EA		36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,823.92	965.65
			For Class 52 Rating, Deduct	-1,029.69	
			For Class 54 Rating, Add	702.06	
			For Class 55 Rating, Add	1,560.45	
40 05 19 00-1015	EA		36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,095.39	967.43
			For Class 52 Rating, Deduct	-1,059.26	
			For Class 54 Rating, Add	722.22	
			For Class 55 Rating, Add	1,605.25	
40 05 19 00-1016	EA		36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,366.88	969.19
			For Class 52 Rating, Deduct	-1,088.82	
			For Class 54 Rating, Add	742.38	
			For Class 55 Rating, Add	1,650.06	
40 05 19 00-1017	EA		36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,638.35	970.96
			For Class 52 Rating, Deduct	-1,118.39	
			For Class 54 Rating, Add	762.54	
			For Class 55 Rating, Add	1,694.87	
40 05 19 00-1018	EA		36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,909.84	972.74
			For Class 52 Rating, Deduct	-1,147.96	
			For Class 54 Rating, Add	782.70	
			For Class 55 Rating, Add	1,739.68	
40 05 19 00-1019	EA		36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,181.31	974.50
			For Class 52 Rating, Deduct	-1,177.53	
			For Class 54 Rating, Add	802.86	
			For Class 55 Rating, Add	1,784.49	
40 05 19 00-1020	EA		36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,452.80	976.27
			For Class 52 Rating, Deduct	-1,207.10	
			For Class 54 Rating, Add	823.02	
			For Class 55 Rating, Add	1,829.30	
40 05 19 00-1021	EA		36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,724.27	978.04
			For Class 52 Rating, Deduct	-1,236.66	
			For Class 54 Rating, Add	843.18	
			For Class 55 Rating, Add	1,874.11	
40 05 19 00-1022	EA		36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,995.76	979.81
			For Class 52 Rating, Deduct	-1,266.23	
			For Class 54 Rating, Add	863.34	
			For Class 55 Rating, Add	1,918.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1023 EA 36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,267.23	981.57
For Class 52 Rating, Deduct	-1,295.80	
For Class 54 Rating, Add	883.50	
For Class 55 Rating, Add	1,963.73	
40 05 19 00-1024 EA 36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,538.72	983.35
For Class 52 Rating, Deduct	-1,325.37	
For Class 54 Rating, Add	903.66	
For Class 55 Rating, Add	2,008.53	
40 05 19 00-1025 EA 36" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,810.19	985.11
For Class 52 Rating, Deduct	-1,354.94	
For Class 54 Rating, Add	923.82	
For Class 55 Rating, Add	2,053.34	
40 05 19 00-1026 EA 36" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,081.68	986.88
For Class 52 Rating, Deduct	-1,384.50	
For Class 54 Rating, Add	943.98	
For Class 55 Rating, Add	2,098.15	
40 05 19 00-1027 EA 36" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,353.15	988.65
For Class 52 Rating, Deduct	-1,414.07	
For Class 54 Rating, Add	964.14	
For Class 55 Rating, Add	2,142.96	
<b>40 05 19 00-1028 Flanged End x Plain End (FxPE), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0001)</small>		
<b>40 05 19 00-1029 4" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-1028)</small>		
40 05 19 00-1030 EA 4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	247.05	86.49
For Class 52 Rating, Deduct	-12.76	
For Class 54 Rating, Add	8.70	
For Class 55 Rating, Add	19.34	
40 05 19 00-1031 EA 4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	270.14	88.01
For Class 52 Rating, Deduct	-15.05	
For Class 54 Rating, Add	10.26	
For Class 55 Rating, Add	22.80	
40 05 19 00-1032 EA 4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	293.23	89.53
For Class 52 Rating, Deduct	-17.34	
For Class 54 Rating, Add	11.82	
For Class 55 Rating, Add	26.27	
40 05 19 00-1033 EA 4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	316.32	91.03
For Class 52 Rating, Deduct	-19.62	
For Class 54 Rating, Add	13.38	
For Class 55 Rating, Add	29.74	
40 05 19 00-1034 EA 4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	339.41	92.54
For Class 52 Rating, Deduct	-21.91	
For Class 54 Rating, Add	14.94	
For Class 55 Rating, Add	33.21	
40 05 19 00-1035 EA 4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	362.50	94.05
For Class 52 Rating, Deduct	-24.20	
For Class 54 Rating, Add	16.50	
For Class 55 Rating, Add	36.67	
40 05 19 00-1036 EA 4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	385.60	95.57
For Class 52 Rating, Deduct	-26.49	
For Class 54 Rating, Add	18.06	
For Class 55 Rating, Add	40.14	
40 05 19 00-1037 EA 4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	408.69	97.08
For Class 52 Rating, Deduct	-28.78	
For Class 54 Rating, Add	19.62	
For Class 55 Rating, Add	43.61	
40 05 19 00-1038 EA 4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	431.78	98.59
For Class 52 Rating, Deduct	-31.06	
For Class 54 Rating, Add	21.18	
For Class 55 Rating, Add	47.08	
40 05 19 00-1039 EA 4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	454.87	100.11
For Class 52 Rating, Deduct	-33.35	
For Class 54 Rating, Add	22.74	
For Class 55 Rating, Add	50.54	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1040	EA		4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	477.96	101.62
			For Class 52 Rating, Deduct	-35.64	
			For Class 54 Rating, Add	24.30	
			For Class 55 Rating, Add	54.01	
40 05 19 00-1041	EA		4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	501.06	103.12
			For Class 52 Rating, Deduct	-37.93	
			For Class 54 Rating, Add	25.86	
			For Class 55 Rating, Add	57.48	
40 05 19 00-1042	EA		4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	524.15	104.64
			For Class 52 Rating, Deduct	-40.22	
			For Class 54 Rating, Add	27.42	
			For Class 55 Rating, Add	60.95	
40 05 19 00-1043	EA		4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	547.24	106.15
			For Class 52 Rating, Deduct	-42.50	
			For Class 54 Rating, Add	28.98	
			For Class 55 Rating, Add	64.41	
40 05 19 00-1044	EA		4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	570.33	107.66
			For Class 52 Rating, Deduct	-44.79	
			For Class 54 Rating, Add	30.54	
			For Class 55 Rating, Add	67.88	
40 05 19 00-1045	EA		4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	593.42	109.18
			For Class 52 Rating, Deduct	-47.08	
			For Class 54 Rating, Add	32.10	
			For Class 55 Rating, Add	71.35	
40 05 19 00-1046	EA		4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	616.51	110.69
			For Class 52 Rating, Deduct	-49.37	
			For Class 54 Rating, Add	33.66	
			For Class 55 Rating, Add	74.81	
40 05 19 00-1047	EA		4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	639.60	112.20
			For Class 52 Rating, Deduct	-51.66	
			For Class 54 Rating, Add	35.22	
			For Class 55 Rating, Add	78.28	
40 05 19 00-1048	EA		4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	662.69	113.71
			For Class 52 Rating, Deduct	-53.94	
			For Class 54 Rating, Add	36.78	
			For Class 55 Rating, Add	81.75	
40 05 19 00-1049	EA		4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	685.78	115.22
			For Class 52 Rating, Deduct	-56.23	
			For Class 54 Rating, Add	38.34	
			For Class 55 Rating, Add	85.22	
40 05 19 00-1050	EA		4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	708.87	116.74
			For Class 52 Rating, Deduct	-58.52	
			For Class 54 Rating, Add	39.90	
			For Class 55 Rating, Add	88.68	
40 05 19 00-1051	EA		4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	731.96	118.25
			For Class 52 Rating, Deduct	-60.81	
			For Class 54 Rating, Add	41.46	
			For Class 55 Rating, Add	92.15	
40 05 19 00-1052	EA		4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	755.05	119.76
			For Class 52 Rating, Deduct	-63.10	
			For Class 54 Rating, Add	43.02	
			For Class 55 Rating, Add	95.62	
40 05 19 00-1053	EA		4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	778.15	121.28
			For Class 52 Rating, Deduct	-65.38	
			For Class 54 Rating, Add	44.58	
			For Class 55 Rating, Add	99.09	
40 05 19 00-1054	EA		4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	801.24	122.79
			For Class 52 Rating, Deduct	-67.67	
			For Class 54 Rating, Add	46.14	
			For Class 55 Rating, Add	102.55	
40 05 19 00-1055	EA		4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	824.33	124.29
			For Class 52 Rating, Deduct	-69.96	
			For Class 54 Rating, Add	47.70	
			For Class 55 Rating, Add	106.02	
40 05 19 00-1056	EA		4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	847.42	125.81
			For Class 52 Rating, Deduct	-72.25	
			For Class 54 Rating, Add	49.26	
			For Class 55 Rating, Add	109.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1057 EA 4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	870.51	127.32
For Class 52 Rating, Deduct	-74.54	
For Class 54 Rating, Add	50.82	
For Class 55 Rating, Add	112.96	
40 05 19 00-1058 EA 4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	893.61	128.83
For Class 52 Rating, Deduct	-76.82	
For Class 54 Rating, Add	52.38	
For Class 55 Rating, Add	116.42	
40 05 19 00-1059 EA 4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	916.70	130.35
For Class 52 Rating, Deduct	-79.11	
For Class 54 Rating, Add	53.94	
For Class 55 Rating, Add	119.89	
40 05 19 00-1060 EA 4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	939.79	131.86
For Class 52 Rating, Deduct	-81.40	
For Class 54 Rating, Add	55.50	
For Class 55 Rating, Add	123.36	
40 05 19 00-1061 EA 4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	962.88	133.38
For Class 52 Rating, Deduct	-83.69	
For Class 54 Rating, Add	57.06	
For Class 55 Rating, Add	126.83	
40 05 19 00-1062 EA 4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	985.97	134.88
For Class 52 Rating, Deduct	-85.98	
For Class 54 Rating, Add	58.62	
For Class 55 Rating, Add	130.29	
40 05 19 00-1063 EA 4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,009.05	136.39
For Class 52 Rating, Deduct	-88.26	
For Class 54 Rating, Add	60.18	
For Class 55 Rating, Add	133.76	
40 05 19 00-1064 EA 4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,032.15	137.91
For Class 52 Rating, Deduct	-90.55	
For Class 54 Rating, Add	61.74	
For Class 55 Rating, Add	137.23	
40 05 19 00-1065 EA 4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,055.24	139.42
For Class 52 Rating, Deduct	-92.84	
For Class 54 Rating, Add	63.30	
For Class 55 Rating, Add	140.69	
40 05 19 00-1066 EA 4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,078.33	140.93
For Class 52 Rating, Deduct	-95.13	
For Class 54 Rating, Add	64.86	
For Class 55 Rating, Add	144.16	
40 05 19 00-1067 EA 4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,101.42	142.45
For Class 52 Rating, Deduct	-97.42	
For Class 54 Rating, Add	66.42	
For Class 55 Rating, Add	147.63	
40 05 19 00-1068 EA 4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,124.51	143.96
For Class 52 Rating, Deduct	-99.70	
For Class 54 Rating, Add	67.98	
For Class 55 Rating, Add	151.10	
<b>40 05 19 00-1069 6" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-1028)</small>		
40 05 19 00-1070 EA 6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	309.77	108.88
For Class 52 Rating, Deduct	-15.93	
For Class 54 Rating, Add	10.86	
For Class 55 Rating, Add	24.14	
40 05 19 00-1071 EA 6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	337.66	110.39
For Class 52 Rating, Deduct	-18.74	
For Class 54 Rating, Add	12.78	
For Class 55 Rating, Add	28.41	
40 05 19 00-1072 EA 6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	365.54	111.90
For Class 52 Rating, Deduct	-21.56	
For Class 54 Rating, Add	14.70	
For Class 55 Rating, Add	32.67	
40 05 19 00-1073 EA 6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	393.43	113.41
For Class 52 Rating, Deduct	-24.38	
For Class 54 Rating, Add	16.62	
For Class 55 Rating, Add	36.94	



## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1074	EA		6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	421.32	114.92
			For Class 52 Rating, Deduct	-27.19	
			For Class 54 Rating, Add	18.54	
			For Class 55 Rating, Add	41.21	
40 05 19 00-1075	EA		6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	449.22	116.43
			For Class 52 Rating, Deduct	-30.01	
			For Class 54 Rating, Add	20.46	
			For Class 55 Rating, Add	45.48	
40 05 19 00-1076	EA		6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	477.11	117.95
			For Class 52 Rating, Deduct	-32.82	
			For Class 54 Rating, Add	22.38	
			For Class 55 Rating, Add	49.74	
40 05 19 00-1077	EA		6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	505.00	119.46
			For Class 52 Rating, Deduct	-35.64	
			For Class 54 Rating, Add	24.30	
			For Class 55 Rating, Add	54.01	
40 05 19 00-1078	EA		6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	532.89	120.98
			For Class 52 Rating, Deduct	-38.46	
			For Class 54 Rating, Add	26.22	
			For Class 55 Rating, Add	58.28	
40 05 19 00-1079	EA		6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	560.78	122.49
			For Class 52 Rating, Deduct	-41.27	
			For Class 54 Rating, Add	28.14	
			For Class 55 Rating, Add	62.55	
40 05 19 00-1080	EA		6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	588.67	123.99
			For Class 52 Rating, Deduct	-44.09	
			For Class 54 Rating, Add	30.06	
			For Class 55 Rating, Add	66.81	
40 05 19 00-1081	EA		6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	616.57	125.51
			For Class 52 Rating, Deduct	-46.90	
			For Class 54 Rating, Add	31.98	
			For Class 55 Rating, Add	71.08	
40 05 19 00-1082	EA		6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	644.46	127.02
			For Class 52 Rating, Deduct	-49.72	
			For Class 54 Rating, Add	33.90	
			For Class 55 Rating, Add	75.35	
40 05 19 00-1083	EA		6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	672.35	128.53
			For Class 52 Rating, Deduct	-52.54	
			For Class 54 Rating, Add	35.82	
			For Class 55 Rating, Add	79.62	
40 05 19 00-1084	EA		6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	700.24	130.05
			For Class 52 Rating, Deduct	-55.35	
			For Class 54 Rating, Add	37.74	
			For Class 55 Rating, Add	83.88	
40 05 19 00-1085	EA		6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	728.13	131.56
			For Class 52 Rating, Deduct	-58.17	
			For Class 54 Rating, Add	39.66	
			For Class 55 Rating, Add	88.15	
40 05 19 00-1086	EA		6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	756.02	133.07
			For Class 52 Rating, Deduct	-60.98	
			For Class 54 Rating, Add	41.58	
			For Class 55 Rating, Add	92.42	
40 05 19 00-1087	EA		6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	783.92	134.59
			For Class 52 Rating, Deduct	-63.80	
			For Class 54 Rating, Add	43.50	
			For Class 55 Rating, Add	96.69	
40 05 19 00-1088	EA		6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	811.81	136.09
			For Class 52 Rating, Deduct	-66.62	
			For Class 54 Rating, Add	45.42	
			For Class 55 Rating, Add	100.95	
40 05 19 00-1089	EA		6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	839.69	137.61
			For Class 52 Rating, Deduct	-69.43	
			For Class 54 Rating, Add	47.34	
			For Class 55 Rating, Add	105.22	
40 05 19 00-1090	EA		6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	867.58	139.12
			For Class 52 Rating, Deduct	-72.25	
			For Class 54 Rating, Add	49.26	
			For Class 55 Rating, Add	109.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1091 EA 6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	895.47	140.63
<i>For Class 52 Rating, Deduct</i>	-75.06	
<i>For Class 54 Rating, Add</i>	51.18	
<i>For Class 55 Rating, Add</i>	113.76	
40 05 19 00-1092 EA 6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	923.37	142.15
<i>For Class 52 Rating, Deduct</i>	-77.88	
<i>For Class 54 Rating, Add</i>	53.10	
<i>For Class 55 Rating, Add</i>	118.02	
40 05 19 00-1093 EA 6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	951.26	143.66
<i>For Class 52 Rating, Deduct</i>	-80.70	
<i>For Class 54 Rating, Add</i>	55.02	
<i>For Class 55 Rating, Add</i>	122.29	
40 05 19 00-1094 EA 6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	979.15	145.17
<i>For Class 52 Rating, Deduct</i>	-83.51	
<i>For Class 54 Rating, Add</i>	56.94	
<i>For Class 55 Rating, Add</i>	126.56	
40 05 19 00-1095 EA 6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,007.04	146.68
<i>For Class 52 Rating, Deduct</i>	-86.33	
<i>For Class 54 Rating, Add</i>	58.86	
<i>For Class 55 Rating, Add</i>	130.83	
40 05 19 00-1096 EA 6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,034.93	148.19
<i>For Class 52 Rating, Deduct</i>	-89.14	
<i>For Class 54 Rating, Add</i>	60.78	
<i>For Class 55 Rating, Add</i>	135.09	
40 05 19 00-1097 EA 6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,062.82	149.70
<i>For Class 52 Rating, Deduct</i>	-91.96	
<i>For Class 54 Rating, Add</i>	62.70	
<i>For Class 55 Rating, Add</i>	139.36	
40 05 19 00-1098 EA 6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,090.72	151.22
<i>For Class 52 Rating, Deduct</i>	-94.78	
<i>For Class 54 Rating, Add</i>	64.62	
<i>For Class 55 Rating, Add</i>	143.63	
40 05 19 00-1099 EA 6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,118.61	152.73
<i>For Class 52 Rating, Deduct</i>	-97.59	
<i>For Class 54 Rating, Add</i>	66.54	
<i>For Class 55 Rating, Add</i>	147.90	
40 05 19 00-1100 EA 6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,146.50	154.24
<i>For Class 52 Rating, Deduct</i>	-100.41	
<i>For Class 54 Rating, Add</i>	68.46	
<i>For Class 55 Rating, Add</i>	152.16	
40 05 19 00-1101 EA 6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,174.39	155.76
<i>For Class 52 Rating, Deduct</i>	-103.22	
<i>For Class 54 Rating, Add</i>	70.38	
<i>For Class 55 Rating, Add</i>	156.43	
40 05 19 00-1102 EA 6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,202.28	157.26
<i>For Class 52 Rating, Deduct</i>	-106.04	
<i>For Class 54 Rating, Add</i>	72.30	
<i>For Class 55 Rating, Add</i>	160.70	
40 05 19 00-1103 EA 6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,230.17	158.78
<i>For Class 52 Rating, Deduct</i>	-108.86	
<i>For Class 54 Rating, Add</i>	74.22	
<i>For Class 55 Rating, Add</i>	164.97	
40 05 19 00-1104 EA 6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,258.07	160.29
<i>For Class 52 Rating, Deduct</i>	-111.67	
<i>For Class 54 Rating, Add</i>	76.14	
<i>For Class 55 Rating, Add</i>	169.23	
40 05 19 00-1105 EA 6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,285.95	161.80
<i>For Class 52 Rating, Deduct</i>	-114.49	
<i>For Class 54 Rating, Add</i>	78.06	
<i>For Class 55 Rating, Add</i>	173.50	
40 05 19 00-1106 EA 6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,313.84	163.32
<i>For Class 52 Rating, Deduct</i>	-117.30	
<i>For Class 54 Rating, Add</i>	79.98	
<i>For Class 55 Rating, Add</i>	177.77	
40 05 19 00-1107 EA 6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,341.73	164.82
<i>For Class 52 Rating, Deduct</i>	-120.12	
<i>For Class 54 Rating, Add</i>	81.90	
<i>For Class 55 Rating, Add</i>	182.04	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1108	EA		6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,369.62	166.34
			<i>For Class 52 Rating, Deduct</i>	-122.94	
			<i>For Class 54 Rating, Add</i>	83.82	
			<i>For Class 55 Rating, Add</i>	186.30	
<b>40 05 19 00-1109</b>			<b>8" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-1028)</small>		
40 05 19 00-1110	EA		8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	421.18	139.12
			<i>For Class 52 Rating, Deduct</i>	-23.14	
			<i>For Class 54 Rating, Add</i>	15.78	
			<i>For Class 55 Rating, Add</i>	35.07	
40 05 19 00-1111	EA		8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	458.67	140.63
			<i>For Class 52 Rating, Deduct</i>	-27.02	
			<i>For Class 54 Rating, Add</i>	18.42	
			<i>For Class 55 Rating, Add</i>	40.94	
40 05 19 00-1112	EA		8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	496.17	142.15
			<i>For Class 52 Rating, Deduct</i>	-30.89	
			<i>For Class 54 Rating, Add</i>	21.06	
			<i>For Class 55 Rating, Add</i>	46.81	
40 05 19 00-1113	EA		8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	533.66	143.66
			<i>For Class 52 Rating, Deduct</i>	-34.76	
			<i>For Class 54 Rating, Add</i>	23.70	
			<i>For Class 55 Rating, Add</i>	52.68	
40 05 19 00-1114	EA		8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	571.15	145.17
			<i>For Class 52 Rating, Deduct</i>	-38.63	
			<i>For Class 54 Rating, Add</i>	26.34	
			<i>For Class 55 Rating, Add</i>	58.55	
40 05 19 00-1115	EA		8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	608.64	146.68
			<i>For Class 52 Rating, Deduct</i>	-42.50	
			<i>For Class 54 Rating, Add</i>	28.98	
			<i>For Class 55 Rating, Add</i>	64.41	
40 05 19 00-1116	EA		8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	646.13	148.19
			<i>For Class 52 Rating, Deduct</i>	-46.38	
			<i>For Class 54 Rating, Add</i>	31.62	
			<i>For Class 55 Rating, Add</i>	70.28	
40 05 19 00-1117	EA		8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	683.62	149.70
			<i>For Class 52 Rating, Deduct</i>	-50.25	
			<i>For Class 54 Rating, Add</i>	34.26	
			<i>For Class 55 Rating, Add</i>	76.15	
40 05 19 00-1118	EA		8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	721.12	151.22
			<i>For Class 52 Rating, Deduct</i>	-54.12	
			<i>For Class 54 Rating, Add</i>	36.90	
			<i>For Class 55 Rating, Add</i>	82.02	
40 05 19 00-1119	EA		8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	758.61	152.73
			<i>For Class 52 Rating, Deduct</i>	-57.99	
			<i>For Class 54 Rating, Add</i>	39.54	
			<i>For Class 55 Rating, Add</i>	87.88	
40 05 19 00-1120	EA		8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	796.10	154.24
			<i>For Class 52 Rating, Deduct</i>	-61.86	
			<i>For Class 54 Rating, Add</i>	42.18	
			<i>For Class 55 Rating, Add</i>	93.75	
40 05 19 00-1121	EA		8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	833.59	155.76
			<i>For Class 52 Rating, Deduct</i>	-65.74	
			<i>For Class 54 Rating, Add</i>	44.82	
			<i>For Class 55 Rating, Add</i>	99.62	
40 05 19 00-1122	EA		8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	871.08	157.26
			<i>For Class 52 Rating, Deduct</i>	-69.61	
			<i>For Class 54 Rating, Add</i>	47.46	
			<i>For Class 55 Rating, Add</i>	105.49	
40 05 19 00-1123	EA		8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	908.57	158.78
			<i>For Class 52 Rating, Deduct</i>	-73.48	
			<i>For Class 54 Rating, Add</i>	50.10	
			<i>For Class 55 Rating, Add</i>	111.36	
40 05 19 00-1124	EA		8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	946.07	160.29
			<i>For Class 52 Rating, Deduct</i>	-77.35	
			<i>For Class 54 Rating, Add</i>	52.74	
			<i>For Class 55 Rating, Add</i>	117.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1125 EA 8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	983.55	161.80
<i>For Class 52 Rating, Deduct</i>	-81.22	
<i>For Class 54 Rating, Add</i>	55.38	
<i>For Class 55 Rating, Add</i>	123.09	
40 05 19 00-1126 EA 8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,021.04	163.32
<i>For Class 52 Rating, Deduct</i>	-85.10	
<i>For Class 54 Rating, Add</i>	58.02	
<i>For Class 55 Rating, Add</i>	128.96	
40 05 19 00-1127 EA 8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,058.53	164.82
<i>For Class 52 Rating, Deduct</i>	-88.97	
<i>For Class 54 Rating, Add</i>	60.66	
<i>For Class 55 Rating, Add</i>	134.83	
40 05 19 00-1128 EA 8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,096.02	166.34
<i>For Class 52 Rating, Deduct</i>	-92.84	
<i>For Class 54 Rating, Add</i>	63.30	
<i>For Class 55 Rating, Add</i>	140.69	
40 05 19 00-1129 EA 8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,133.51	167.85
<i>For Class 52 Rating, Deduct</i>	-96.71	
<i>For Class 54 Rating, Add</i>	65.94	
<i>For Class 55 Rating, Add</i>	146.56	
40 05 19 00-1130 EA 8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,171.01	169.36
<i>For Class 52 Rating, Deduct</i>	-100.58	
<i>For Class 54 Rating, Add</i>	68.58	
<i>For Class 55 Rating, Add</i>	152.43	
40 05 19 00-1131 EA 8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,208.50	170.87
<i>For Class 52 Rating, Deduct</i>	-104.46	
<i>For Class 54 Rating, Add</i>	71.22	
<i>For Class 55 Rating, Add</i>	158.30	
40 05 19 00-1132 EA 8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,245.99	172.39
<i>For Class 52 Rating, Deduct</i>	-108.33	
<i>For Class 54 Rating, Add</i>	73.86	
<i>For Class 55 Rating, Add</i>	164.17	
40 05 19 00-1133 EA 8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,283.48	173.90
<i>For Class 52 Rating, Deduct</i>	-112.20	
<i>For Class 54 Rating, Add</i>	76.50	
<i>For Class 55 Rating, Add</i>	170.03	
40 05 19 00-1134 EA 8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,320.97	175.42
<i>For Class 52 Rating, Deduct</i>	-116.07	
<i>For Class 54 Rating, Add</i>	79.14	
<i>For Class 55 Rating, Add</i>	175.90	
40 05 19 00-1135 EA 8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,358.47	176.92
<i>For Class 52 Rating, Deduct</i>	-119.94	
<i>For Class 54 Rating, Add</i>	81.78	
<i>For Class 55 Rating, Add</i>	181.77	
40 05 19 00-1136 EA 8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,395.96	178.43
<i>For Class 52 Rating, Deduct</i>	-123.82	
<i>For Class 54 Rating, Add</i>	84.42	
<i>For Class 55 Rating, Add</i>	187.64	
40 05 19 00-1137 EA 8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,433.45	179.95
<i>For Class 52 Rating, Deduct</i>	-127.69	
<i>For Class 54 Rating, Add</i>	87.06	
<i>For Class 55 Rating, Add</i>	193.51	
40 05 19 00-1138 EA 8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,470.94	181.45
<i>For Class 52 Rating, Deduct</i>	-131.56	
<i>For Class 54 Rating, Add</i>	89.70	
<i>For Class 55 Rating, Add</i>	199.37	
40 05 19 00-1139 EA 8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,508.43	182.97
<i>For Class 52 Rating, Deduct</i>	-135.43	
<i>For Class 54 Rating, Add</i>	92.34	
<i>For Class 55 Rating, Add</i>	205.24	
40 05 19 00-1140 EA 8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,545.92	184.49
<i>For Class 52 Rating, Deduct</i>	-139.30	
<i>For Class 54 Rating, Add</i>	94.98	
<i>For Class 55 Rating, Add</i>	211.11	
40 05 19 00-1141 EA 8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,583.41	186.00
<i>For Class 52 Rating, Deduct</i>	-143.18	
<i>For Class 54 Rating, Add</i>	97.62	
<i>For Class 55 Rating, Add</i>	216.98	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1142	EA		8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,620.90	187.51
			<i>For Class 52 Rating, Deduct</i>	-147.05	
			<i>For Class 54 Rating, Add</i>	100.26	
			<i>For Class 55 Rating, Add</i>	222.84	
40 05 19 00-1143	EA		8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,658.39	189.01
			<i>For Class 52 Rating, Deduct</i>	-150.92	
			<i>For Class 54 Rating, Add</i>	102.90	
			<i>For Class 55 Rating, Add</i>	228.71	
40 05 19 00-1144	EA		8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,695.88	190.53
			<i>For Class 52 Rating, Deduct</i>	-154.79	
			<i>For Class 54 Rating, Add</i>	105.54	
			<i>For Class 55 Rating, Add</i>	234.58	
40 05 19 00-1145	EA		8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,733.37	192.04
			<i>For Class 52 Rating, Deduct</i>	-158.66	
			<i>For Class 54 Rating, Add</i>	108.18	
			<i>For Class 55 Rating, Add</i>	240.45	
40 05 19 00-1146	EA		8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,770.86	193.55
			<i>For Class 52 Rating, Deduct</i>	-162.54	
			<i>For Class 54 Rating, Add</i>	110.82	
			<i>For Class 55 Rating, Add</i>	246.32	
40 05 19 00-1147	EA		8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,808.36	195.07
			<i>For Class 52 Rating, Deduct</i>	-166.41	
			<i>For Class 54 Rating, Add</i>	113.46	
			<i>For Class 55 Rating, Add</i>	252.18	
40 05 19 00-1148	EA		8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,845.85	196.59
			<i>For Class 52 Rating, Deduct</i>	-170.28	
			<i>For Class 54 Rating, Add</i>	116.10	
			<i>For Class 55 Rating, Add</i>	258.05	
40 05 19 00-1149			<b>10" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-1028)</small>		
40 05 19 00-1150	EA		10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	527.81	169.36
			<i>For Class 52 Rating, Deduct</i>	-29.83	
			<i>For Class 54 Rating, Add</i>	20.34	
			<i>For Class 55 Rating, Add</i>	45.21	
40 05 19 00-1151	EA		10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	576.50	170.87
			<i>For Class 52 Rating, Deduct</i>	-34.94	
			<i>For Class 54 Rating, Add</i>	23.82	
			<i>For Class 55 Rating, Add</i>	52.94	
40 05 19 00-1152	EA		10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	625.19	172.39
			<i>For Class 52 Rating, Deduct</i>	-40.04	
			<i>For Class 54 Rating, Add</i>	27.30	
			<i>For Class 55 Rating, Add</i>	60.68	
40 05 19 00-1153	EA		10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	673.88	173.90
			<i>For Class 52 Rating, Deduct</i>	-45.14	
			<i>For Class 54 Rating, Add</i>	30.78	
			<i>For Class 55 Rating, Add</i>	68.41	
40 05 19 00-1154	EA		10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	722.57	175.42
			<i>For Class 52 Rating, Deduct</i>	-50.25	
			<i>For Class 54 Rating, Add</i>	34.26	
			<i>For Class 55 Rating, Add</i>	76.15	
40 05 19 00-1155	EA		10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	771.27	176.92
			<i>For Class 52 Rating, Deduct</i>	-55.35	
			<i>For Class 54 Rating, Add</i>	37.74	
			<i>For Class 55 Rating, Add</i>	83.88	
40 05 19 00-1156	EA		10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	819.96	178.43
			<i>For Class 52 Rating, Deduct</i>	-60.46	
			<i>For Class 54 Rating, Add</i>	41.22	
			<i>For Class 55 Rating, Add</i>	91.62	
40 05 19 00-1157	EA		10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	868.65	179.95
			<i>For Class 52 Rating, Deduct</i>	-65.56	
			<i>For Class 54 Rating, Add</i>	44.70	
			<i>For Class 55 Rating, Add</i>	99.35	
40 05 19 00-1158	EA		10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	917.34	181.45
			<i>For Class 52 Rating, Deduct</i>	-70.66	
			<i>For Class 54 Rating, Add</i>	48.18	
			<i>For Class 55 Rating, Add</i>	107.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1159 EA 10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	966.03	182.97
<i>For Class 52 Rating, Deduct</i>	-75.77	
<i>For Class 54 Rating, Add</i>	51.66	
<i>For Class 55 Rating, Add</i>	114.82	
40 05 19 00-1160 EA 10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,014.72	184.49
<i>For Class 52 Rating, Deduct</i>	-80.87	
<i>For Class 54 Rating, Add</i>	55.14	
<i>For Class 55 Rating, Add</i>	122.56	
40 05 19 00-1161 EA 10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,063.41	186.00
<i>For Class 52 Rating, Deduct</i>	-85.98	
<i>For Class 54 Rating, Add</i>	58.62	
<i>For Class 55 Rating, Add</i>	130.29	
40 05 19 00-1162 EA 10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,112.10	187.51
<i>For Class 52 Rating, Deduct</i>	-91.08	
<i>For Class 54 Rating, Add</i>	62.10	
<i>For Class 55 Rating, Add</i>	138.03	
40 05 19 00-1163 EA 10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,160.79	189.01
<i>For Class 52 Rating, Deduct</i>	-96.18	
<i>For Class 54 Rating, Add</i>	65.58	
<i>For Class 55 Rating, Add</i>	145.76	
40 05 19 00-1164 EA 10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,209.48	190.53
<i>For Class 52 Rating, Deduct</i>	-101.29	
<i>For Class 54 Rating, Add</i>	69.06	
<i>For Class 55 Rating, Add</i>	153.50	
40 05 19 00-1165 EA 10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,258.17	192.04
<i>For Class 52 Rating, Deduct</i>	-106.39	
<i>For Class 54 Rating, Add</i>	72.54	
<i>For Class 55 Rating, Add</i>	161.23	
40 05 19 00-1166 EA 10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,306.86	193.55
<i>For Class 52 Rating, Deduct</i>	-111.50	
<i>For Class 54 Rating, Add</i>	76.02	
<i>For Class 55 Rating, Add</i>	168.97	
40 05 19 00-1167 EA 10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,355.56	195.07
<i>For Class 52 Rating, Deduct</i>	-116.60	
<i>For Class 54 Rating, Add</i>	79.50	
<i>For Class 55 Rating, Add</i>	176.70	
40 05 19 00-1168 EA 10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,404.25	196.59
<i>For Class 52 Rating, Deduct</i>	-121.70	
<i>For Class 54 Rating, Add</i>	82.98	
<i>For Class 55 Rating, Add</i>	184.44	
40 05 19 00-1169 EA 10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,452.94	198.09
<i>For Class 52 Rating, Deduct</i>	-126.81	
<i>For Class 54 Rating, Add</i>	86.46	
<i>For Class 55 Rating, Add</i>	192.17	
40 05 19 00-1170 EA 10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,501.63	199.60
<i>For Class 52 Rating, Deduct</i>	-131.91	
<i>For Class 54 Rating, Add</i>	89.94	
<i>For Class 55 Rating, Add</i>	199.91	
40 05 19 00-1171 EA 10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,550.32	201.11
<i>For Class 52 Rating, Deduct</i>	-137.02	
<i>For Class 54 Rating, Add</i>	93.42	
<i>For Class 55 Rating, Add</i>	207.64	
40 05 19 00-1172 EA 10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,599.02	202.62
<i>For Class 52 Rating, Deduct</i>	-142.12	
<i>For Class 54 Rating, Add</i>	96.90	
<i>For Class 55 Rating, Add</i>	215.38	
40 05 19 00-1173 EA 10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,647.71	204.14
<i>For Class 52 Rating, Deduct</i>	-147.22	
<i>For Class 54 Rating, Add</i>	100.38	
<i>For Class 55 Rating, Add</i>	223.11	
40 05 19 00-1174 EA 10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,696.40	205.65
<i>For Class 52 Rating, Deduct</i>	-152.33	
<i>For Class 54 Rating, Add</i>	103.86	
<i>For Class 55 Rating, Add</i>	230.85	
40 05 19 00-1175 EA 10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,745.09	207.17
<i>For Class 52 Rating, Deduct</i>	-157.43	
<i>For Class 54 Rating, Add</i>	107.34	
<i>For Class 55 Rating, Add</i>	238.58	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1176	EA		10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,793.78	208.68
			<i>For Class 52 Rating, Deduct</i>	-162.54	
			<i>For Class 54 Rating, Add</i>	110.82	
			<i>For Class 55 Rating, Add</i>	246.32	
40 05 19 00-1177	EA		10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,842.47	210.18
			<i>For Class 52 Rating, Deduct</i>	-167.64	
			<i>For Class 54 Rating, Add</i>	114.30	
			<i>For Class 55 Rating, Add</i>	254.05	
40 05 19 00-1178	EA		10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,891.16	211.70
			<i>For Class 52 Rating, Deduct</i>	-172.74	
			<i>For Class 54 Rating, Add</i>	117.78	
			<i>For Class 55 Rating, Add</i>	261.79	
40 05 19 00-1179	EA		10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,939.85	213.21
			<i>For Class 52 Rating, Deduct</i>	-177.85	
			<i>For Class 54 Rating, Add</i>	121.26	
			<i>For Class 55 Rating, Add</i>	269.52	
40 05 19 00-1180	EA		10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,988.54	214.72
			<i>For Class 52 Rating, Deduct</i>	-182.95	
			<i>For Class 54 Rating, Add</i>	124.74	
			<i>For Class 55 Rating, Add</i>	277.26	
40 05 19 00-1181	EA		10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,037.23	216.24
			<i>For Class 52 Rating, Deduct</i>	-188.06	
			<i>For Class 54 Rating, Add</i>	128.22	
			<i>For Class 55 Rating, Add</i>	284.99	
40 05 19 00-1182	EA		10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,085.92	217.75
			<i>For Class 52 Rating, Deduct</i>	-193.16	
			<i>For Class 54 Rating, Add</i>	131.70	
			<i>For Class 55 Rating, Add</i>	292.73	
40 05 19 00-1183	EA		10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,134.61	219.26
			<i>For Class 52 Rating, Deduct</i>	-198.26	
			<i>For Class 54 Rating, Add</i>	135.18	
			<i>For Class 55 Rating, Add</i>	300.46	
40 05 19 00-1184	EA		10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,183.31	220.78
			<i>For Class 52 Rating, Deduct</i>	-203.37	
			<i>For Class 54 Rating, Add</i>	138.66	
			<i>For Class 55 Rating, Add</i>	308.19	
40 05 19 00-1185	EA		10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,232.00	222.28
			<i>For Class 52 Rating, Deduct</i>	-208.47	
			<i>For Class 54 Rating, Add</i>	142.14	
			<i>For Class 55 Rating, Add</i>	315.93	
40 05 19 00-1186	EA		10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,280.69	223.80
			<i>For Class 52 Rating, Deduct</i>	-213.58	
			<i>For Class 54 Rating, Add</i>	145.62	
			<i>For Class 55 Rating, Add</i>	323.66	
40 05 19 00-1187	EA		10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,329.38	225.31
			<i>For Class 52 Rating, Deduct</i>	-218.68	
			<i>For Class 54 Rating, Add</i>	149.10	
			<i>For Class 55 Rating, Add</i>	331.40	
40 05 19 00-1188	EA		10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,378.07	226.82
			<i>For Class 52 Rating, Deduct</i>	-223.78	
			<i>For Class 54 Rating, Add</i>	152.58	
			<i>For Class 55 Rating, Add</i>	339.13	
40 05 19 00-1189			<b>12" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-1028)</small>		
40 05 19 00-1190	EA		12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	682.36	211.70
			<i>For Class 52 Rating, Deduct</i>	-39.78	
			<i>For Class 54 Rating, Add</i>	27.12	
			<i>For Class 55 Rating, Add</i>	60.28	
40 05 19 00-1191	EA		12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	743.05	213.21
			<i>For Class 52 Rating, Deduct</i>	-46.20	
			<i>For Class 54 Rating, Add</i>	31.50	
			<i>For Class 55 Rating, Add</i>	70.01	
40 05 19 00-1192	EA		12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	803.74	214.72
			<i>For Class 52 Rating, Deduct</i>	-52.62	
			<i>For Class 54 Rating, Add</i>	35.88	
			<i>For Class 55 Rating, Add</i>	79.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1193 EA 12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	864.43	216.24
<i>For Class 52 Rating, Deduct</i>	-59.05	
<i>For Class 54 Rating, Add</i>	40.26	
<i>For Class 55 Rating, Add</i>	89.48	
40 05 19 00-1194 EA 12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	925.12	217.75
<i>For Class 52 Rating, Deduct</i>	-65.47	
<i>For Class 54 Rating, Add</i>	44.64	
<i>For Class 55 Rating, Add</i>	99.22	
40 05 19 00-1195 EA 12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	985.81	219.26
<i>For Class 52 Rating, Deduct</i>	-71.90	
<i>For Class 54 Rating, Add</i>	49.02	
<i>For Class 55 Rating, Add</i>	108.96	
40 05 19 00-1196 EA 12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,046.51	220.78
<i>For Class 52 Rating, Deduct</i>	-78.32	
<i>For Class 54 Rating, Add</i>	53.40	
<i>For Class 55 Rating, Add</i>	118.69	
40 05 19 00-1197 EA 12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,107.20	222.28
<i>For Class 52 Rating, Deduct</i>	-84.74	
<i>For Class 54 Rating, Add</i>	57.78	
<i>For Class 55 Rating, Add</i>	128.43	
40 05 19 00-1198 EA 12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,167.89	223.80
<i>For Class 52 Rating, Deduct</i>	-91.17	
<i>For Class 54 Rating, Add</i>	62.16	
<i>For Class 55 Rating, Add</i>	138.16	
40 05 19 00-1199 EA 12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,228.58	225.31
<i>For Class 52 Rating, Deduct</i>	-97.59	
<i>For Class 54 Rating, Add</i>	66.54	
<i>For Class 55 Rating, Add</i>	147.90	
40 05 19 00-1200 EA 12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,289.27	226.82
<i>For Class 52 Rating, Deduct</i>	-104.02	
<i>For Class 54 Rating, Add</i>	70.92	
<i>For Class 55 Rating, Add</i>	157.63	
40 05 19 00-1201 EA 12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,349.97	228.34
<i>For Class 52 Rating, Deduct</i>	-110.44	
<i>For Class 54 Rating, Add</i>	75.30	
<i>For Class 55 Rating, Add</i>	167.37	
40 05 19 00-1202 EA 12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,410.66	229.85
<i>For Class 52 Rating, Deduct</i>	-116.86	
<i>For Class 54 Rating, Add</i>	79.68	
<i>For Class 55 Rating, Add</i>	177.10	
40 05 19 00-1203 EA 12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,471.35	231.36
<i>For Class 52 Rating, Deduct</i>	-123.29	
<i>For Class 54 Rating, Add</i>	84.06	
<i>For Class 55 Rating, Add</i>	186.84	
40 05 19 00-1204 EA 12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,532.04	232.87
<i>For Class 52 Rating, Deduct</i>	-129.71	
<i>For Class 54 Rating, Add</i>	88.44	
<i>For Class 55 Rating, Add</i>	196.57	
40 05 19 00-1205 EA 12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,592.73	234.38
<i>For Class 52 Rating, Deduct</i>	-136.14	
<i>For Class 54 Rating, Add</i>	92.82	
<i>For Class 55 Rating, Add</i>	206.31	
40 05 19 00-1206 EA 12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,653.41	235.89
<i>For Class 52 Rating, Deduct</i>	-142.56	
<i>For Class 54 Rating, Add</i>	97.20	
<i>For Class 55 Rating, Add</i>	216.04	
40 05 19 00-1207 EA 12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,714.11	237.41
<i>For Class 52 Rating, Deduct</i>	-148.98	
<i>For Class 54 Rating, Add</i>	101.58	
<i>For Class 55 Rating, Add</i>	225.78	
40 05 19 00-1208 EA 12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,774.80	238.92
<i>For Class 52 Rating, Deduct</i>	-155.41	
<i>For Class 54 Rating, Add</i>	105.96	
<i>For Class 55 Rating, Add</i>	235.51	
40 05 19 00-1209 EA 12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,835.49	240.43
<i>For Class 52 Rating, Deduct</i>	-161.83	
<i>For Class 54 Rating, Add</i>	110.34	
<i>For Class 55 Rating, Add</i>	245.25	



## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1210	EA		12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,896.18	241.95
			For Class 52 Rating, Deduct	-168.26	
			For Class 54 Rating, Add	114.72	
			For Class 55 Rating, Add	254.98	
40 05 19 00-1211	EA		12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,956.87	243.45
			For Class 52 Rating, Deduct	-174.68	
			For Class 54 Rating, Add	119.10	
			For Class 55 Rating, Add	264.72	
40 05 19 00-1212	EA		12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,017.56	244.97
			For Class 52 Rating, Deduct	-181.10	
			For Class 54 Rating, Add	123.48	
			For Class 55 Rating, Add	274.45	
40 05 19 00-1213	EA		12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,078.26	246.48
			For Class 52 Rating, Deduct	-187.53	
			For Class 54 Rating, Add	127.86	
			For Class 55 Rating, Add	284.19	
40 05 19 00-1214	EA		12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,138.95	247.99
			For Class 52 Rating, Deduct	-193.95	
			For Class 54 Rating, Add	132.24	
			For Class 55 Rating, Add	293.93	
40 05 19 00-1215	EA		12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,199.64	249.51
			For Class 52 Rating, Deduct	-200.38	
			For Class 54 Rating, Add	136.62	
			For Class 55 Rating, Add	303.66	
40 05 19 00-1216	EA		12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,260.33	251.02
			For Class 52 Rating, Deduct	-206.80	
			For Class 54 Rating, Add	141.00	
			For Class 55 Rating, Add	313.40	
40 05 19 00-1217	EA		12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,321.02	252.53
			For Class 52 Rating, Deduct	-213.22	
			For Class 54 Rating, Add	145.38	
			For Class 55 Rating, Add	323.13	
40 05 19 00-1218	EA		12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,381.72	254.04
			For Class 52 Rating, Deduct	-219.65	
			For Class 54 Rating, Add	149.76	
			For Class 55 Rating, Add	332.87	
40 05 19 00-1219	EA		12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,442.41	255.55
			For Class 52 Rating, Deduct	-226.07	
			For Class 54 Rating, Add	154.14	
			For Class 55 Rating, Add	342.60	
40 05 19 00-1220	EA		12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,503.10	257.06
			For Class 52 Rating, Deduct	-232.50	
			For Class 54 Rating, Add	158.52	
			For Class 55 Rating, Add	352.34	
40 05 19 00-1221	EA		12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,563.79	258.58
			For Class 52 Rating, Deduct	-238.92	
			For Class 54 Rating, Add	162.90	
			For Class 55 Rating, Add	362.07	
40 05 19 00-1222	EA		12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,624.48	260.09
			For Class 52 Rating, Deduct	-245.34	
			For Class 54 Rating, Add	167.28	
			For Class 55 Rating, Add	371.81	
40 05 19 00-1223	EA		12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,685.16	261.61
			For Class 52 Rating, Deduct	-251.77	
			For Class 54 Rating, Add	171.66	
			For Class 55 Rating, Add	381.54	
40 05 19 00-1224	EA		12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,745.86	263.12
			For Class 52 Rating, Deduct	-258.19	
			For Class 54 Rating, Add	176.04	
			For Class 55 Rating, Add	391.28	
40 05 19 00-1225	EA		12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,806.55	264.62
			For Class 52 Rating, Deduct	-264.62	
			For Class 54 Rating, Add	180.42	
			For Class 55 Rating, Add	401.01	
40 05 19 00-1226	EA		12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,867.24	266.14
			For Class 52 Rating, Deduct	-271.04	
			For Class 54 Rating, Add	184.80	
			For Class 55 Rating, Add	410.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1227 EA 12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,927.93	267.65
<i>For Class 52 Rating, Deduct</i>	-277.46	
<i>For Class 54 Rating, Add</i>	189.18	
<i>For Class 55 Rating, Add</i>	420.48	
40 05 19 00-1228 EA 12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,988.62	269.16
<i>For Class 52 Rating, Deduct</i>	-283.89	
<i>For Class 54 Rating, Add</i>	193.56	
<i>For Class 55 Rating, Add</i>	430.22	
<b>40 05 19 00-1229 14" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b>		
(40 05 19 00-1028)		
40 05 19 00-1230 EA 14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	900.92	254.04
<i>For Class 52 Rating, Deduct</i>	-56.76	
<i>For Class 54 Rating, Add</i>	38.70	
<i>For Class 55 Rating, Add</i>	86.02	
40 05 19 00-1231 EA 14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	974.41	255.55
<i>For Class 52 Rating, Deduct</i>	-64.59	
<i>For Class 54 Rating, Add</i>	44.04	
<i>For Class 55 Rating, Add</i>	97.89	
40 05 19 00-1232 EA 14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,047.90	257.06
<i>For Class 52 Rating, Deduct</i>	-72.42	
<i>For Class 54 Rating, Add</i>	49.38	
<i>For Class 55 Rating, Add</i>	109.76	
40 05 19 00-1233 EA 14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,121.39	258.58
<i>For Class 52 Rating, Deduct</i>	-80.26	
<i>For Class 54 Rating, Add</i>	54.72	
<i>For Class 55 Rating, Add</i>	121.62	
40 05 19 00-1234 EA 14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,194.88	260.09
<i>For Class 52 Rating, Deduct</i>	-88.09	
<i>For Class 54 Rating, Add</i>	60.06	
<i>For Class 55 Rating, Add</i>	133.49	
40 05 19 00-1235 EA 14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,268.36	261.61
<i>For Class 52 Rating, Deduct</i>	-95.92	
<i>For Class 54 Rating, Add</i>	65.40	
<i>For Class 55 Rating, Add</i>	145.36	
40 05 19 00-1236 EA 14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,341.86	263.12
<i>For Class 52 Rating, Deduct</i>	-103.75	
<i>For Class 54 Rating, Add</i>	70.74	
<i>For Class 55 Rating, Add</i>	157.23	
40 05 19 00-1237 EA 14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,415.35	264.62
<i>For Class 52 Rating, Deduct</i>	-111.58	
<i>For Class 54 Rating, Add</i>	76.08	
<i>For Class 55 Rating, Add</i>	169.10	
40 05 19 00-1238 EA 14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,488.84	266.14
<i>For Class 52 Rating, Deduct</i>	-119.42	
<i>For Class 54 Rating, Add</i>	81.42	
<i>For Class 55 Rating, Add</i>	180.97	
40 05 19 00-1239 EA 14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,562.33	267.65
<i>For Class 52 Rating, Deduct</i>	-127.25	
<i>For Class 54 Rating, Add</i>	86.76	
<i>For Class 55 Rating, Add</i>	192.84	
40 05 19 00-1240 EA 14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,635.82	269.16
<i>For Class 52 Rating, Deduct</i>	-135.08	
<i>For Class 54 Rating, Add</i>	92.10	
<i>For Class 55 Rating, Add</i>	204.71	
40 05 19 00-1241 EA 14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,709.31	270.68
<i>For Class 52 Rating, Deduct</i>	-142.91	
<i>For Class 54 Rating, Add</i>	97.44	
<i>For Class 55 Rating, Add</i>	216.58	
40 05 19 00-1242 EA 14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,782.81	272.19
<i>For Class 52 Rating, Deduct</i>	-150.74	
<i>For Class 54 Rating, Add</i>	102.78	
<i>For Class 55 Rating, Add</i>	228.45	
40 05 19 00-1243 EA 14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,856.30	273.70
<i>For Class 52 Rating, Deduct</i>	-158.58	
<i>For Class 54 Rating, Add</i>	108.12	
<i>For Class 55 Rating, Add</i>	240.31	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1244	EA		14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,929.79	275.21
			For Class 52 Rating, Deduct	-166.41	
			For Class 54 Rating, Add	113.46	
			For Class 55 Rating, Add	252.18	
40 05 19 00-1245	EA		14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,003.28	276.72
			For Class 52 Rating, Deduct	-174.24	
			For Class 54 Rating, Add	118.80	
			For Class 55 Rating, Add	264.05	
40 05 19 00-1246	EA		14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,076.77	278.23
			For Class 52 Rating, Deduct	-182.07	
			For Class 54 Rating, Add	124.14	
			For Class 55 Rating, Add	275.92	
40 05 19 00-1247	EA		14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,150.26	279.75
			For Class 52 Rating, Deduct	-189.90	
			For Class 54 Rating, Add	129.48	
			For Class 55 Rating, Add	287.79	
40 05 19 00-1248	EA		14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,223.76	281.26
			For Class 52 Rating, Deduct	-197.74	
			For Class 54 Rating, Add	134.82	
			For Class 55 Rating, Add	299.66	
40 05 19 00-1249	EA		14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,297.25	282.78
			For Class 52 Rating, Deduct	-205.57	
			For Class 54 Rating, Add	140.16	
			For Class 55 Rating, Add	311.53	
40 05 19 00-1250	EA		14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,370.74	284.29
			For Class 52 Rating, Deduct	-213.40	
			For Class 54 Rating, Add	145.50	
			For Class 55 Rating, Add	323.40	
40 05 19 00-1251	EA		14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,444.22	285.79
			For Class 52 Rating, Deduct	-221.23	
			For Class 54 Rating, Add	150.84	
			For Class 55 Rating, Add	335.27	
40 05 19 00-1252	EA		14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,517.71	287.31
			For Class 52 Rating, Deduct	-229.06	
			For Class 54 Rating, Add	156.18	
			For Class 55 Rating, Add	347.14	
40 05 19 00-1253	EA		14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,591.21	288.82
			For Class 52 Rating, Deduct	-236.90	
			For Class 54 Rating, Add	161.52	
			For Class 55 Rating, Add	359.01	
40 05 19 00-1254	EA		14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,664.70	290.33
			For Class 52 Rating, Deduct	-244.73	
			For Class 54 Rating, Add	166.86	
			For Class 55 Rating, Add	370.87	
40 05 19 00-1255	EA		14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,738.19	291.85
			For Class 52 Rating, Deduct	-252.56	
			For Class 54 Rating, Add	172.20	
			For Class 55 Rating, Add	382.74	
40 05 19 00-1256	EA		14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,811.68	293.36
			For Class 52 Rating, Deduct	-260.39	
			For Class 54 Rating, Add	177.54	
			For Class 55 Rating, Add	394.61	
40 05 19 00-1257	EA		14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,885.17	294.87
			For Class 52 Rating, Deduct	-268.22	
			For Class 54 Rating, Add	182.88	
			For Class 55 Rating, Add	406.48	
40 05 19 00-1258	EA		14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,958.66	296.38
			For Class 52 Rating, Deduct	-276.06	
			For Class 54 Rating, Add	188.22	
			For Class 55 Rating, Add	418.35	
40 05 19 00-1259	EA		14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,032.16	297.89
			For Class 52 Rating, Deduct	-283.89	
			For Class 54 Rating, Add	193.56	
			For Class 55 Rating, Add	430.22	
40 05 19 00-1260	EA		14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,105.65	299.41
			For Class 52 Rating, Deduct	-291.72	
			For Class 54 Rating, Add	198.90	
			For Class 55 Rating, Add	442.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1261 EA 14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,179.14	300.92
For Class 52 Rating, Deduct	-299.55	
For Class 54 Rating, Add	204.24	
For Class 55 Rating, Add	453.96	
40 05 19 00-1262 EA 14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,252.63	302.43
For Class 52 Rating, Deduct	-307.38	
For Class 54 Rating, Add	209.58	
For Class 55 Rating, Add	465.83	
40 05 19 00-1263 EA 14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,326.12	303.95
For Class 52 Rating, Deduct	-315.22	
For Class 54 Rating, Add	214.92	
For Class 55 Rating, Add	477.70	
40 05 19 00-1264 EA 14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,399.61	305.46
For Class 52 Rating, Deduct	-323.05	
For Class 54 Rating, Add	220.26	
For Class 55 Rating, Add	489.56	
40 05 19 00-1265 EA 14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,473.11	306.97
For Class 52 Rating, Deduct	-330.88	
For Class 54 Rating, Add	225.60	
For Class 55 Rating, Add	501.43	
40 05 19 00-1266 EA 14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,546.60	308.48
For Class 52 Rating, Deduct	-338.71	
For Class 54 Rating, Add	230.94	
For Class 55 Rating, Add	513.30	
40 05 19 00-1267 EA 14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,620.08	309.99
For Class 52 Rating, Deduct	-346.54	
For Class 54 Rating, Add	236.28	
For Class 55 Rating, Add	525.17	
 40 05 19 00-1268 16" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1269 EA 16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,050.30	290.33
For Class 52 Rating, Deduct	-67.14	
For Class 54 Rating, Add	45.78	
For Class 55 Rating, Add	101.75	
40 05 19 00-1270 EA 16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,135.79	291.85
For Class 52 Rating, Deduct	-76.30	
For Class 54 Rating, Add	52.02	
For Class 55 Rating, Add	115.62	
40 05 19 00-1271 EA 16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,221.28	293.36
For Class 52 Rating, Deduct	-85.45	
For Class 54 Rating, Add	58.26	
For Class 55 Rating, Add	129.49	
40 05 19 00-1272 EA 16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,306.77	294.87
For Class 52 Rating, Deduct	-94.60	
For Class 54 Rating, Add	64.50	
For Class 55 Rating, Add	143.36	
40 05 19 00-1273 EA 16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,392.26	296.38
For Class 52 Rating, Deduct	-103.75	
For Class 54 Rating, Add	70.74	
For Class 55 Rating, Add	157.23	
40 05 19 00-1274 EA 16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,477.76	297.89
For Class 52 Rating, Deduct	-112.90	
For Class 54 Rating, Add	76.98	
For Class 55 Rating, Add	171.10	
40 05 19 00-1275 EA 16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,563.25	299.41
For Class 52 Rating, Deduct	-122.06	
For Class 54 Rating, Add	83.22	
For Class 55 Rating, Add	184.97	
40 05 19 00-1276 EA 16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,648.74	300.92
For Class 52 Rating, Deduct	-131.21	
For Class 54 Rating, Add	89.46	
For Class 55 Rating, Add	198.84	
40 05 19 00-1277 EA 16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,734.23	302.43
For Class 52 Rating, Deduct	-140.36	
For Class 54 Rating, Add	95.70	
For Class 55 Rating, Add	212.71	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1278	EA		16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,819.72	303.95
			<i>For Class 52 Rating, Deduct</i>	-149.51	
			<i>For Class 54 Rating, Add</i>	101.94	
			<i>For Class 55 Rating, Add</i>	226.58	
40 05 19 00-1279	EA		16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,905.21	305.46
			<i>For Class 52 Rating, Deduct</i>	-158.66	
			<i>For Class 54 Rating, Add</i>	108.18	
			<i>For Class 55 Rating, Add</i>	240.45	
40 05 19 00-1280	EA		16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,990.71	306.97
			<i>For Class 52 Rating, Deduct</i>	-167.82	
			<i>For Class 54 Rating, Add</i>	114.42	
			<i>For Class 55 Rating, Add</i>	254.32	
40 05 19 00-1281	EA		16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,076.20	308.48
			<i>For Class 52 Rating, Deduct</i>	-176.97	
			<i>For Class 54 Rating, Add</i>	120.66	
			<i>For Class 55 Rating, Add</i>	268.19	
40 05 19 00-1282	EA		16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,161.68	309.99
			<i>For Class 52 Rating, Deduct</i>	-186.12	
			<i>For Class 54 Rating, Add</i>	126.90	
			<i>For Class 55 Rating, Add</i>	282.06	
40 05 19 00-1283	EA		16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,247.17	311.50
			<i>For Class 52 Rating, Deduct</i>	-195.27	
			<i>For Class 54 Rating, Add</i>	133.14	
			<i>For Class 55 Rating, Add</i>	295.93	
40 05 19 00-1284	EA		16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,332.66	313.02
			<i>For Class 52 Rating, Deduct</i>	-204.42	
			<i>For Class 54 Rating, Add</i>	139.38	
			<i>For Class 55 Rating, Add</i>	309.80	
40 05 19 00-1285	EA		16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,418.16	314.53
			<i>For Class 52 Rating, Deduct</i>	-213.58	
			<i>For Class 54 Rating, Add</i>	145.62	
			<i>For Class 55 Rating, Add</i>	323.66	
40 05 19 00-1286	EA		16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,503.65	316.04
			<i>For Class 52 Rating, Deduct</i>	-222.73	
			<i>For Class 54 Rating, Add</i>	151.86	
			<i>For Class 55 Rating, Add</i>	337.53	
40 05 19 00-1287	EA		16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,589.14	317.56
			<i>For Class 52 Rating, Deduct</i>	-231.88	
			<i>For Class 54 Rating, Add</i>	158.10	
			<i>For Class 55 Rating, Add</i>	351.40	
40 05 19 00-1288	EA		16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,674.63	319.06
			<i>For Class 52 Rating, Deduct</i>	-241.03	
			<i>For Class 54 Rating, Add</i>	164.34	
			<i>For Class 55 Rating, Add</i>	365.27	
40 05 19 00-1289	EA		16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,760.12	320.58
			<i>For Class 52 Rating, Deduct</i>	-250.18	
			<i>For Class 54 Rating, Add</i>	170.58	
			<i>For Class 55 Rating, Add</i>	379.14	
40 05 19 00-1290	EA		16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,845.61	322.09
			<i>For Class 52 Rating, Deduct</i>	-259.34	
			<i>For Class 54 Rating, Add</i>	176.82	
			<i>For Class 55 Rating, Add</i>	393.01	
40 05 19 00-1291	EA		16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,931.11	323.60
			<i>For Class 52 Rating, Deduct</i>	-268.49	
			<i>For Class 54 Rating, Add</i>	183.06	
			<i>For Class 55 Rating, Add</i>	406.88	
40 05 19 00-1292	EA		16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,016.60	325.12
			<i>For Class 52 Rating, Deduct</i>	-277.64	
			<i>For Class 54 Rating, Add</i>	189.30	
			<i>For Class 55 Rating, Add</i>	420.75	
40 05 19 00-1293	EA		16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,102.09	326.63
			<i>For Class 52 Rating, Deduct</i>	-286.79	
			<i>For Class 54 Rating, Add</i>	195.54	
			<i>For Class 55 Rating, Add</i>	434.62	
40 05 19 00-1294	EA		16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,187.58	328.14
			<i>For Class 52 Rating, Deduct</i>	-295.94	
			<i>For Class 54 Rating, Add</i>	201.78	
			<i>For Class 55 Rating, Add</i>	448.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1295 EA 16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,273.07	329.65
For Class 52 Rating, Deduct	-305.10	
For Class 54 Rating, Add	208.02	
For Class 55 Rating, Add	462.36	
40 05 19 00-1296 EA 16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,358.56	331.16
For Class 52 Rating, Deduct	-314.25	
For Class 54 Rating, Add	214.26	
For Class 55 Rating, Add	476.23	
40 05 19 00-1297 EA 16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,444.06	332.67
For Class 52 Rating, Deduct	-323.40	
For Class 54 Rating, Add	220.50	
For Class 55 Rating, Add	490.10	
40 05 19 00-1298 EA 16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,529.55	334.19
For Class 52 Rating, Deduct	-332.55	
For Class 54 Rating, Add	226.74	
For Class 55 Rating, Add	503.97	
40 05 19 00-1299 EA 16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,615.03	335.70
For Class 52 Rating, Deduct	-341.70	
For Class 54 Rating, Add	232.98	
For Class 55 Rating, Add	517.84	
40 05 19 00-1300 EA 16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,700.52	337.22
For Class 52 Rating, Deduct	-350.86	
For Class 54 Rating, Add	239.22	
For Class 55 Rating, Add	531.71	
40 05 19 00-1301 EA 16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,786.01	338.73
For Class 52 Rating, Deduct	-360.01	
For Class 54 Rating, Add	245.46	
For Class 55 Rating, Add	545.58	
40 05 19 00-1302 EA 16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,871.51	340.23
For Class 52 Rating, Deduct	-369.16	
For Class 54 Rating, Add	251.70	
For Class 55 Rating, Add	559.45	
40 05 19 00-1303 EA 16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,957.00	341.75
For Class 52 Rating, Deduct	-378.31	
For Class 54 Rating, Add	257.94	
For Class 55 Rating, Add	573.31	
40 05 19 00-1304 EA 16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,042.49	343.26
For Class 52 Rating, Deduct	-387.46	
For Class 54 Rating, Add	264.18	
For Class 55 Rating, Add	587.18	
40 05 19 00-1305 EA 16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,127.98	344.77
For Class 52 Rating, Deduct	-396.62	
For Class 54 Rating, Add	270.42	
For Class 55 Rating, Add	601.05	
40 05 19 00-1306 EA 16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,213.47	346.29
For Class 52 Rating, Deduct	-405.77	
For Class 54 Rating, Add	276.66	
For Class 55 Rating, Add	614.92	
<b>40 05 19 00-1307 18" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-1028)</small>		
40 05 19 00-1308 EA 18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,211.81	327.24
For Class 52 Rating, Deduct	-78.76	
For Class 54 Rating, Add	53.70	
For Class 55 Rating, Add	119.36	
40 05 19 00-1309 EA 18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,310.10	328.75
For Class 52 Rating, Deduct	-89.32	
For Class 54 Rating, Add	60.90	
For Class 55 Rating, Add	135.36	
40 05 19 00-1310 EA 18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,408.39	330.25
For Class 52 Rating, Deduct	-99.88	
For Class 54 Rating, Add	68.10	
For Class 55 Rating, Add	151.36	
40 05 19 00-1311 EA 18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,506.68	331.77
For Class 52 Rating, Deduct	-110.44	
For Class 54 Rating, Add	75.30	
For Class 55 Rating, Add	167.37	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1312	EA		18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,604.97	333.28
			For Class 52 Rating, Deduct	-121.00	
			For Class 54 Rating, Add	82.50	
			For Class 55 Rating, Add	183.37	
40 05 19 00-1313	EA		18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,703.27	334.79
			For Class 52 Rating, Deduct	-131.56	
			For Class 54 Rating, Add	89.70	
			For Class 55 Rating, Add	199.37	
40 05 19 00-1314	EA		18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,801.55	336.30
			For Class 52 Rating, Deduct	-142.12	
			For Class 54 Rating, Add	96.90	
			For Class 55 Rating, Add	215.38	
40 05 19 00-1315	EA		18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,899.84	337.82
			For Class 52 Rating, Deduct	-152.68	
			For Class 54 Rating, Add	104.10	
			For Class 55 Rating, Add	231.38	
40 05 19 00-1316	EA		18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,998.13	339.34
			For Class 52 Rating, Deduct	-163.24	
			For Class 54 Rating, Add	111.30	
			For Class 55 Rating, Add	247.38	
40 05 19 00-1317	EA		18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,096.42	340.83
			For Class 52 Rating, Deduct	-173.80	
			For Class 54 Rating, Add	118.50	
			For Class 55 Rating, Add	263.39	
40 05 19 00-1318	EA		18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,194.71	342.35
			For Class 52 Rating, Deduct	-184.36	
			For Class 54 Rating, Add	125.70	
			For Class 55 Rating, Add	279.39	
40 05 19 00-1319	EA		18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,293.01	343.86
			For Class 52 Rating, Deduct	-194.92	
			For Class 54 Rating, Add	132.90	
			For Class 55 Rating, Add	295.39	
40 05 19 00-1320	EA		18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,391.30	345.37
			For Class 52 Rating, Deduct	-205.48	
			For Class 54 Rating, Add	140.10	
			For Class 55 Rating, Add	311.40	
40 05 19 00-1321	EA		18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,489.59	346.89
			For Class 52 Rating, Deduct	-216.04	
			For Class 54 Rating, Add	147.30	
			For Class 55 Rating, Add	327.40	
40 05 19 00-1322	EA		18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,587.88	348.40
			For Class 52 Rating, Deduct	-226.60	
			For Class 54 Rating, Add	154.50	
			For Class 55 Rating, Add	343.40	
40 05 19 00-1323	EA		18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,686.17	349.92
			For Class 52 Rating, Deduct	-237.16	
			For Class 54 Rating, Add	161.70	
			For Class 55 Rating, Add	359.41	
40 05 19 00-1324	EA		18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,784.47	351.42
			For Class 52 Rating, Deduct	-247.72	
			For Class 54 Rating, Add	168.90	
			For Class 55 Rating, Add	375.41	
40 05 19 00-1325	EA		18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,882.76	352.93
			For Class 52 Rating, Deduct	-258.28	
			For Class 54 Rating, Add	176.10	
			For Class 55 Rating, Add	391.41	
40 05 19 00-1326	EA		18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,981.05	354.45
			For Class 52 Rating, Deduct	-268.84	
			For Class 54 Rating, Add	183.30	
			For Class 55 Rating, Add	407.41	
40 05 19 00-1327	EA		18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,079.34	355.96
			For Class 52 Rating, Deduct	-279.40	
			For Class 54 Rating, Add	190.50	
			For Class 55 Rating, Add	423.42	
40 05 19 00-1328	EA		18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,177.63	357.47
			For Class 52 Rating, Deduct	-289.96	
			For Class 54 Rating, Add	197.70	
			For Class 55 Rating, Add	439.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1329 EA 18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,275.92	358.99
<i>For Class 52 Rating, Deduct</i>	-300.52	
<i>For Class 54 Rating, Add</i>	204.90	
<i>For Class 55 Rating, Add</i>	455.42	
40 05 19 00-1330 EA 18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,374.21	360.50
<i>For Class 52 Rating, Deduct</i>	-311.08	
<i>For Class 54 Rating, Add</i>	212.10	
<i>For Class 55 Rating, Add</i>	471.43	
40 05 19 00-1331 EA 18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,472.50	362.00
<i>For Class 52 Rating, Deduct</i>	-321.64	
<i>For Class 54 Rating, Add</i>	219.30	
<i>For Class 55 Rating, Add</i>	487.43	
40 05 19 00-1332 EA 18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,570.79	363.52
<i>For Class 52 Rating, Deduct</i>	-332.20	
<i>For Class 54 Rating, Add</i>	226.50	
<i>For Class 55 Rating, Add</i>	503.43	
40 05 19 00-1333 EA 18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,669.08	365.03
<i>For Class 52 Rating, Deduct</i>	-342.76	
<i>For Class 54 Rating, Add</i>	233.70	
<i>For Class 55 Rating, Add</i>	519.44	
40 05 19 00-1334 EA 18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,767.37	366.55
<i>For Class 52 Rating, Deduct</i>	-353.32	
<i>For Class 54 Rating, Add</i>	240.90	
<i>For Class 55 Rating, Add</i>	535.44	
40 05 19 00-1335 EA 18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,865.66	368.06
<i>For Class 52 Rating, Deduct</i>	-363.88	
<i>For Class 54 Rating, Add</i>	248.10	
<i>For Class 55 Rating, Add</i>	551.44	
40 05 19 00-1336 EA 18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,963.96	369.57
<i>For Class 52 Rating, Deduct</i>	-374.44	
<i>For Class 54 Rating, Add</i>	255.30	
<i>For Class 55 Rating, Add</i>	567.45	
40 05 19 00-1337 EA 18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,062.25	371.09
<i>For Class 52 Rating, Deduct</i>	-385.00	
<i>For Class 54 Rating, Add</i>	262.50	
<i>For Class 55 Rating, Add</i>	583.45	
40 05 19 00-1338 EA 18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,160.54	372.59
<i>For Class 52 Rating, Deduct</i>	-395.56	
<i>For Class 54 Rating, Add</i>	269.70	
<i>For Class 55 Rating, Add</i>	599.45	
40 05 19 00-1339 EA 18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,258.83	374.10
<i>For Class 52 Rating, Deduct</i>	-406.12	
<i>For Class 54 Rating, Add</i>	276.90	
<i>For Class 55 Rating, Add</i>	615.46	
40 05 19 00-1340 EA 18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,357.12	375.62
<i>For Class 52 Rating, Deduct</i>	-416.68	
<i>For Class 54 Rating, Add</i>	284.10	
<i>For Class 55 Rating, Add</i>	631.46	
40 05 19 00-1341 EA 18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,455.42	377.13
<i>For Class 52 Rating, Deduct</i>	-427.24	
<i>For Class 54 Rating, Add</i>	291.30	
<i>For Class 55 Rating, Add</i>	647.46	
40 05 19 00-1342 EA 18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,553.71	378.64
<i>For Class 52 Rating, Deduct</i>	-437.80	
<i>For Class 54 Rating, Add</i>	298.50	
<i>For Class 55 Rating, Add</i>	663.47	
40 05 19 00-1343 EA 18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,652.00	380.16
<i>For Class 52 Rating, Deduct</i>	-448.36	
<i>For Class 54 Rating, Add</i>	305.70	
<i>For Class 55 Rating, Add</i>	679.47	
40 05 19 00-1344 EA 18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,750.29	381.67
<i>For Class 52 Rating, Deduct</i>	-458.92	
<i>For Class 54 Rating, Add</i>	312.90	
<i>For Class 55 Rating, Add</i>	695.47	
40 05 19 00-1345 EA 18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,848.58	383.17
<i>For Class 52 Rating, Deduct</i>	-469.48	
<i>For Class 54 Rating, Add</i>	320.10	
<i>For Class 55 Rating, Add</i>	711.48	



## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1346			20" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1347	EA		20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,409.11	373.50
			For Class 52 Rating, Deduct	-92.75	
			For Class 54 Rating, Add	63.24	
			For Class 55 Rating, Add	140.56	
40 05 19 00-1348	EA		20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,521.81	375.02
			For Class 52 Rating, Deduct	-104.90	
			For Class 54 Rating, Add	71.52	
			For Class 55 Rating, Add	158.97	
40 05 19 00-1349	EA		20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,634.50	376.52
			For Class 52 Rating, Deduct	-117.04	
			For Class 54 Rating, Add	79.80	
			For Class 55 Rating, Add	177.37	
40 05 19 00-1350	EA		20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,747.19	378.04
			For Class 52 Rating, Deduct	-129.18	
			For Class 54 Rating, Add	88.08	
			For Class 55 Rating, Add	195.77	
40 05 19 00-1351	EA		20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,859.88	379.56
			For Class 52 Rating, Deduct	-141.33	
			For Class 54 Rating, Add	96.36	
			For Class 55 Rating, Add	214.18	
40 05 19 00-1352	EA		20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,972.57	381.06
			For Class 52 Rating, Deduct	-153.47	
			For Class 54 Rating, Add	104.64	
			For Class 55 Rating, Add	232.58	
40 05 19 00-1353	EA		20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,085.26	382.57
			For Class 52 Rating, Deduct	-165.62	
			For Class 54 Rating, Add	112.92	
			For Class 55 Rating, Add	250.98	
40 05 19 00-1354	EA		20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,197.95	384.08
			For Class 52 Rating, Deduct	-177.76	
			For Class 54 Rating, Add	121.20	
			For Class 55 Rating, Add	269.39	
40 05 19 00-1355	EA		20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,310.64	385.60
			For Class 52 Rating, Deduct	-189.90	
			For Class 54 Rating, Add	129.48	
			For Class 55 Rating, Add	287.79	
40 05 19 00-1356	EA		20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,423.33	387.11
			For Class 52 Rating, Deduct	-202.05	
			For Class 54 Rating, Add	137.76	
			For Class 55 Rating, Add	306.19	
40 05 19 00-1357	EA		20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,536.02	388.62
			For Class 52 Rating, Deduct	-214.19	
			For Class 54 Rating, Add	146.04	
			For Class 55 Rating, Add	324.60	
40 05 19 00-1358	EA		20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,648.71	390.14
			For Class 52 Rating, Deduct	-226.34	
			For Class 54 Rating, Add	154.32	
			For Class 55 Rating, Add	343.00	
40 05 19 00-1359	EA		20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,761.40	391.65
			For Class 52 Rating, Deduct	-238.48	
			For Class 54 Rating, Add	162.60	
			For Class 55 Rating, Add	361.41	
40 05 19 00-1360	EA		20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,874.10	393.16
			For Class 52 Rating, Deduct	-250.62	
			For Class 54 Rating, Add	170.88	
			For Class 55 Rating, Add	379.81	
40 05 19 00-1361	EA		20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,986.79	394.67
			For Class 52 Rating, Deduct	-262.77	
			For Class 54 Rating, Add	179.16	
			For Class 55 Rating, Add	398.21	
40 05 19 00-1362	EA		20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,099.48	396.18
			For Class 52 Rating, Deduct	-274.91	
			For Class 54 Rating, Add	187.44	
			For Class 55 Rating, Add	416.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1363 EA 20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,212.17	397.69
<i>For Class 52 Rating, Deduct</i>	-287.06	
<i>For Class 54 Rating, Add</i>	195.72	
<i>For Class 55 Rating, Add</i>	435.02	
40 05 19 00-1364 EA 20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,324.86	399.21
<i>For Class 52 Rating, Deduct</i>	-299.20	
<i>For Class 54 Rating, Add</i>	204.00	
<i>For Class 55 Rating, Add</i>	453.42	
40 05 19 00-1365 EA 20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,437.56	400.72
<i>For Class 52 Rating, Deduct</i>	-311.34	
<i>For Class 54 Rating, Add</i>	212.28	
<i>For Class 55 Rating, Add</i>	471.83	
40 05 19 00-1366 EA 20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,550.25	402.24
<i>For Class 52 Rating, Deduct</i>	-323.49	
<i>For Class 54 Rating, Add</i>	220.56	
<i>For Class 55 Rating, Add</i>	490.23	
40 05 19 00-1367 EA 20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,662.94	403.75
<i>For Class 52 Rating, Deduct</i>	-335.63	
<i>For Class 54 Rating, Add</i>	228.84	
<i>For Class 55 Rating, Add</i>	508.64	
40 05 19 00-1368 EA 20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,775.63	405.25
<i>For Class 52 Rating, Deduct</i>	-347.78	
<i>For Class 54 Rating, Add</i>	237.12	
<i>For Class 55 Rating, Add</i>	527.04	
40 05 19 00-1369 EA 20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,888.32	406.77
<i>For Class 52 Rating, Deduct</i>	-359.92	
<i>For Class 54 Rating, Add</i>	245.40	
<i>For Class 55 Rating, Add</i>	545.44	
40 05 19 00-1370 EA 20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,001.01	408.28
<i>For Class 52 Rating, Deduct</i>	-372.06	
<i>For Class 54 Rating, Add</i>	253.68	
<i>For Class 55 Rating, Add</i>	563.85	
40 05 19 00-1371 EA 20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,113.70	409.79
<i>For Class 52 Rating, Deduct</i>	-384.21	
<i>For Class 54 Rating, Add</i>	261.96	
<i>For Class 55 Rating, Add</i>	582.25	
40 05 19 00-1372 EA 20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,226.39	411.31
<i>For Class 52 Rating, Deduct</i>	-396.35	
<i>For Class 54 Rating, Add</i>	270.24	
<i>For Class 55 Rating, Add</i>	600.65	
40 05 19 00-1373 EA 20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,339.08	412.82
<i>For Class 52 Rating, Deduct</i>	-408.50	
<i>For Class 54 Rating, Add</i>	278.52	
<i>For Class 55 Rating, Add</i>	619.06	
40 05 19 00-1374 EA 20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,451.77	414.33
<i>For Class 52 Rating, Deduct</i>	-420.64	
<i>For Class 54 Rating, Add</i>	286.80	
<i>For Class 55 Rating, Add</i>	637.46	
40 05 19 00-1375 EA 20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,564.46	415.84
<i>For Class 52 Rating, Deduct</i>	-432.78	
<i>For Class 54 Rating, Add</i>	295.08	
<i>For Class 55 Rating, Add</i>	655.86	
40 05 19 00-1376 EA 20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,677.15	417.35
<i>For Class 52 Rating, Deduct</i>	-444.93	
<i>For Class 54 Rating, Add</i>	303.36	
<i>For Class 55 Rating, Add</i>	674.27	
40 05 19 00-1377 EA 20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,789.85	418.86
<i>For Class 52 Rating, Deduct</i>	-457.07	
<i>For Class 54 Rating, Add</i>	311.64	
<i>For Class 55 Rating, Add</i>	692.67	
40 05 19 00-1378 EA 20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,902.54	420.38
<i>For Class 52 Rating, Deduct</i>	-469.22	
<i>For Class 54 Rating, Add</i>	319.92	
<i>For Class 55 Rating, Add</i>	711.08	
40 05 19 00-1379 EA 20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,015.23	421.89
<i>For Class 52 Rating, Deduct</i>	-481.36	
<i>For Class 54 Rating, Add</i>	328.20	
<i>For Class 55 Rating, Add</i>	729.48	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1380	EA		20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,127.92	423.41
			<i>For Class 52 Rating, Deduct</i> .....	-493.50	
			<i>For Class 54 Rating, Add</i> .....	336.48	
			<i>For Class 55 Rating, Add</i> .....	747.88	
40 05 19 00-1381	EA		20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,240.61	424.92
			<i>For Class 52 Rating, Deduct</i> .....	-505.65	
			<i>For Class 54 Rating, Add</i> .....	344.76	
			<i>For Class 55 Rating, Add</i> .....	766.29	
40 05 19 00-1382	EA		20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,353.31	426.42
			<i>For Class 52 Rating, Deduct</i> .....	-517.79	
			<i>For Class 54 Rating, Add</i> .....	353.04	
			<i>For Class 55 Rating, Add</i> .....	784.69	
40 05 19 00-1383	EA		20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,466.00	427.94
			<i>For Class 52 Rating, Deduct</i> .....	-529.94	
			<i>For Class 54 Rating, Add</i> .....	361.32	
			<i>For Class 55 Rating, Add</i> .....	803.09	
40 05 19 00-1384	EA		20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,578.69	429.45
			<i>For Class 52 Rating, Deduct</i> .....	-542.08	
			<i>For Class 54 Rating, Add</i> .....	369.60	
			<i>For Class 55 Rating, Add</i> .....	821.50	
<b>40 05 19 00-1385</b>			<b>24" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-1028)</small>		
40 05 19 00-1386	EA		24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,721.81	441.55
			<i>For Class 52 Rating, Deduct</i> .....	-115.81	
			<i>For Class 54 Rating, Add</i> .....	78.96	
			<i>For Class 55 Rating, Add</i> .....	175.50	
40 05 19 00-1387	EA		24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,860.90	443.06
			<i>For Class 52 Rating, Deduct</i> .....	-130.86	
			<i>For Class 54 Rating, Add</i> .....	89.22	
			<i>For Class 55 Rating, Add</i> .....	198.31	
40 05 19 00-1388	EA		24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,000.00	444.58
			<i>For Class 52 Rating, Deduct</i> .....	-145.90	
			<i>For Class 54 Rating, Add</i> .....	99.48	
			<i>For Class 55 Rating, Add</i> .....	221.11	
40 05 19 00-1389	EA		24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,139.09	446.09
			<i>For Class 52 Rating, Deduct</i> .....	-160.95	
			<i>For Class 54 Rating, Add</i> .....	109.74	
			<i>For Class 55 Rating, Add</i> .....	243.92	
40 05 19 00-1390	EA		24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,278.18	447.59
			<i>For Class 52 Rating, Deduct</i> .....	-176.00	
			<i>For Class 54 Rating, Add</i> .....	120.00	
			<i>For Class 55 Rating, Add</i> .....	266.72	
40 05 19 00-1391	EA		24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,417.27	449.11
			<i>For Class 52 Rating, Deduct</i> .....	-191.05	
			<i>For Class 54 Rating, Add</i> .....	130.26	
			<i>For Class 55 Rating, Add</i> .....	289.52	
40 05 19 00-1392	EA		24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,556.36	450.62
			<i>For Class 52 Rating, Deduct</i> .....	-206.10	
			<i>For Class 54 Rating, Add</i> .....	140.52	
			<i>For Class 55 Rating, Add</i> .....	312.33	
40 05 19 00-1393	EA		24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,695.46	452.13
			<i>For Class 52 Rating, Deduct</i> .....	-221.14	
			<i>For Class 54 Rating, Add</i> .....	150.78	
			<i>For Class 55 Rating, Add</i> .....	335.13	
40 05 19 00-1394	EA		24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,834.55	453.65
			<i>For Class 52 Rating, Deduct</i> .....	-236.19	
			<i>For Class 54 Rating, Add</i> .....	161.04	
			<i>For Class 55 Rating, Add</i> .....	357.94	
40 05 19 00-1395	EA		24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,973.64	455.16
			<i>For Class 52 Rating, Deduct</i> .....	-251.24	
			<i>For Class 54 Rating, Add</i> .....	171.30	
			<i>For Class 55 Rating, Add</i> .....	380.74	
40 05 19 00-1396	EA		24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,112.73	456.67
			<i>For Class 52 Rating, Deduct</i> .....	-266.29	
			<i>For Class 54 Rating, Add</i> .....	181.56	
			<i>For Class 55 Rating, Add</i> .....	403.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1397 EA 24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,251.82	458.18
<i>For Class 52 Rating, Deduct</i>	-281.34	
<i>For Class 54 Rating, Add</i>	191.82	
<i>For Class 55 Rating, Add</i>	426.35	
40 05 19 00-1398 EA 24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,390.90	459.69
<i>For Class 52 Rating, Deduct</i>	-296.38	
<i>For Class 54 Rating, Add</i>	202.08	
<i>For Class 55 Rating, Add</i>	449.16	
40 05 19 00-1399 EA 24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,530.00	461.21
<i>For Class 52 Rating, Deduct</i>	-311.43	
<i>For Class 54 Rating, Add</i>	212.34	
<i>For Class 55 Rating, Add</i>	471.96	
40 05 19 00-1400 EA 24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,669.09	462.72
<i>For Class 52 Rating, Deduct</i>	-326.48	
<i>For Class 54 Rating, Add</i>	222.60	
<i>For Class 55 Rating, Add</i>	494.77	
40 05 19 00-1401 EA 24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,808.18	464.23
<i>For Class 52 Rating, Deduct</i>	-341.53	
<i>For Class 54 Rating, Add</i>	232.86	
<i>For Class 55 Rating, Add</i>	517.57	
40 05 19 00-1402 EA 24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,947.27	465.75
<i>For Class 52 Rating, Deduct</i>	-356.58	
<i>For Class 54 Rating, Add</i>	243.12	
<i>For Class 55 Rating, Add</i>	540.37	
40 05 19 00-1403 EA 24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,086.36	467.26
<i>For Class 52 Rating, Deduct</i>	-371.62	
<i>For Class 54 Rating, Add</i>	253.38	
<i>For Class 55 Rating, Add</i>	563.18	
40 05 19 00-1404 EA 24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,225.45	468.77
<i>For Class 52 Rating, Deduct</i>	-386.67	
<i>For Class 54 Rating, Add</i>	263.64	
<i>For Class 55 Rating, Add</i>	585.98	
40 05 19 00-1405 EA 24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,364.55	470.28
<i>For Class 52 Rating, Deduct</i>	-401.72	
<i>For Class 54 Rating, Add</i>	273.90	
<i>For Class 55 Rating, Add</i>	608.79	
40 05 19 00-1406 EA 24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,503.64	471.79
<i>For Class 52 Rating, Deduct</i>	-416.77	
<i>For Class 54 Rating, Add</i>	284.16	
<i>For Class 55 Rating, Add</i>	631.59	
40 05 19 00-1407 EA 24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,642.73	473.30
<i>For Class 52 Rating, Deduct</i>	-431.82	
<i>For Class 54 Rating, Add</i>	294.42	
<i>For Class 55 Rating, Add</i>	654.40	
40 05 19 00-1408 EA 24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,781.82	474.82
<i>For Class 52 Rating, Deduct</i>	-446.86	
<i>For Class 54 Rating, Add</i>	304.68	
<i>For Class 55 Rating, Add</i>	677.20	
40 05 19 00-1409 EA 24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,920.91	476.33
<i>For Class 52 Rating, Deduct</i>	-461.91	
<i>For Class 54 Rating, Add</i>	314.94	
<i>For Class 55 Rating, Add</i>	700.01	
40 05 19 00-1410 EA 24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,060.00	477.85
<i>For Class 52 Rating, Deduct</i>	-476.96	
<i>For Class 54 Rating, Add</i>	325.20	
<i>For Class 55 Rating, Add</i>	722.81	
40 05 19 00-1411 EA 24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,199.10	479.36
<i>For Class 52 Rating, Deduct</i>	-492.01	
<i>For Class 54 Rating, Add</i>	335.46	
<i>For Class 55 Rating, Add</i>	745.62	
40 05 19 00-1412 EA 24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,338.19	480.86
<i>For Class 52 Rating, Deduct</i>	-507.06	
<i>For Class 54 Rating, Add</i>	345.72	
<i>For Class 55 Rating, Add</i>	768.42	
40 05 19 00-1413 EA 24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,477.28	482.38
<i>For Class 52 Rating, Deduct</i>	-522.10	
<i>For Class 54 Rating, Add</i>	355.98	
<i>For Class 55 Rating, Add</i>	791.22	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1414	EA		24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,616.36	483.89
			For Class 52 Rating, Deduct	-537.15	
			For Class 54 Rating, Add	366.24	
			For Class 55 Rating, Add	814.03	
40 05 19 00-1415	EA		24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,794.40	511.11
			For Class 52 Rating, Deduct	-552.20	
			For Class 54 Rating, Add	376.50	
			For Class 55 Rating, Add	836.83	
40 05 19 00-1416	EA		24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,933.50	512.62
			For Class 52 Rating, Deduct	-567.25	
			For Class 54 Rating, Add	386.76	
			For Class 55 Rating, Add	859.64	
40 05 19 00-1417	EA		24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,072.59	514.13
			For Class 52 Rating, Deduct	-582.30	
			For Class 54 Rating, Add	397.02	
			For Class 55 Rating, Add	882.44	
40 05 19 00-1418	EA		24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,211.68	515.65
			For Class 52 Rating, Deduct	-597.34	
			For Class 54 Rating, Add	407.28	
			For Class 55 Rating, Add	905.25	
40 05 19 00-1419	EA		24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,350.77	517.16
			For Class 52 Rating, Deduct	-612.39	
			For Class 54 Rating, Add	417.54	
			For Class 55 Rating, Add	928.05	
40 05 19 00-1420	EA		24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,489.86	518.67
			For Class 52 Rating, Deduct	-627.44	
			For Class 54 Rating, Add	427.80	
			For Class 55 Rating, Add	950.86	
40 05 19 00-1421	EA		24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,628.95	520.19
			For Class 52 Rating, Deduct	-642.49	
			For Class 54 Rating, Add	438.06	
			For Class 55 Rating, Add	973.66	
40 05 19 00-1422	EA		24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,768.05	521.70
			For Class 52 Rating, Deduct	-657.54	
			For Class 54 Rating, Add	448.32	
			For Class 55 Rating, Add	996.47	
40 05 19 00-1423	EA		24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,907.14	523.20
			For Class 52 Rating, Deduct	-672.58	
			For Class 54 Rating, Add	458.58	
			For Class 55 Rating, Add	1,019.27	
40 05 19 00-1424			<b>30" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-1028)</small>		
40 05 19 00-1425	EA		30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,607.95	623.01
			For Class 52 Rating, Deduct	-183.04	
			For Class 54 Rating, Add	124.80	
			For Class 55 Rating, Add	277.39	
40 05 19 00-1426	EA		30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,807.85	624.52
			For Class 52 Rating, Deduct	-204.78	
			For Class 54 Rating, Add	139.62	
			For Class 55 Rating, Add	310.33	
40 05 19 00-1427	EA		30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,007.74	626.03
			For Class 52 Rating, Deduct	-226.51	
			For Class 54 Rating, Add	154.44	
			For Class 55 Rating, Add	343.27	
40 05 19 00-1428	EA		30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,207.63	627.55
			For Class 52 Rating, Deduct	-248.25	
			For Class 54 Rating, Add	169.26	
			For Class 55 Rating, Add	376.21	
40 05 19 00-1429	EA		30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,407.52	629.06
			For Class 52 Rating, Deduct	-269.98	
			For Class 54 Rating, Add	184.08	
			For Class 55 Rating, Add	409.15	
40 05 19 00-1430	EA		30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,607.41	630.57
			For Class 52 Rating, Deduct	-291.72	
			For Class 54 Rating, Add	198.90	
			For Class 55 Rating, Add	442.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1431 EA 30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,807.29	632.08
<i>For Class 52 Rating, Deduct</i>	-313.46	
<i>For Class 54 Rating, Add</i>	213.72	
<i>For Class 55 Rating, Add</i>	475.03	
40 05 19 00-1432 EA 30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,007.19	633.59
<i>For Class 52 Rating, Deduct</i>	-335.19	
<i>For Class 54 Rating, Add</i>	228.54	
<i>For Class 55 Rating, Add</i>	507.97	
40 05 19 00-1433 EA 30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,207.08	635.10
<i>For Class 52 Rating, Deduct</i>	-356.93	
<i>For Class 54 Rating, Add</i>	243.36	
<i>For Class 55 Rating, Add</i>	540.91	
40 05 19 00-1434 EA 30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,406.97	636.62
<i>For Class 52 Rating, Deduct</i>	-378.66	
<i>For Class 54 Rating, Add</i>	258.18	
<i>For Class 55 Rating, Add</i>	573.85	
40 05 19 00-1435 EA 30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,606.86	638.13
<i>For Class 52 Rating, Deduct</i>	-400.40	
<i>For Class 54 Rating, Add</i>	273.00	
<i>For Class 55 Rating, Add</i>	606.79	
40 05 19 00-1436 EA 30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,806.75	639.65
<i>For Class 52 Rating, Deduct</i>	-422.14	
<i>For Class 54 Rating, Add</i>	287.82	
<i>For Class 55 Rating, Add</i>	639.73	
40 05 19 00-1437 EA 30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,006.64	641.16
<i>For Class 52 Rating, Deduct</i>	-443.87	
<i>For Class 54 Rating, Add</i>	302.64	
<i>For Class 55 Rating, Add</i>	672.67	
40 05 19 00-1438 EA 30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,206.54	642.66
<i>For Class 52 Rating, Deduct</i>	-465.61	
<i>For Class 54 Rating, Add</i>	317.46	
<i>For Class 55 Rating, Add</i>	705.61	
40 05 19 00-1439 EA 30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,406.43	644.18
<i>For Class 52 Rating, Deduct</i>	-487.34	
<i>For Class 54 Rating, Add</i>	332.28	
<i>For Class 55 Rating, Add</i>	738.55	
40 05 19 00-1440 EA 30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,606.32	645.69
<i>For Class 52 Rating, Deduct</i>	-509.08	
<i>For Class 54 Rating, Add</i>	347.10	
<i>For Class 55 Rating, Add</i>	771.49	
40 05 19 00-1441 EA 30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,806.21	647.20
<i>For Class 52 Rating, Deduct</i>	-530.82	
<i>For Class 54 Rating, Add</i>	361.92	
<i>For Class 55 Rating, Add</i>	804.43	
40 05 19 00-1442 EA 30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,006.10	648.72
<i>For Class 52 Rating, Deduct</i>	-552.55	
<i>For Class 54 Rating, Add</i>	376.74	
<i>For Class 55 Rating, Add</i>	837.37	
40 05 19 00-1443 EA 30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,206.00	650.23
<i>For Class 52 Rating, Deduct</i>	-574.29	
<i>For Class 54 Rating, Add</i>	391.56	
<i>For Class 55 Rating, Add</i>	870.31	
40 05 19 00-1444 EA 30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,405.89	651.74
<i>For Class 52 Rating, Deduct</i>	-596.02	
<i>For Class 54 Rating, Add</i>	406.38	
<i>For Class 55 Rating, Add</i>	903.25	
40 05 19 00-1445 EA 30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,605.78	653.25
<i>For Class 52 Rating, Deduct</i>	-617.76	
<i>For Class 54 Rating, Add</i>	421.20	
<i>For Class 55 Rating, Add</i>	936.19	
40 05 19 00-1446 EA 30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,805.67	654.76
<i>For Class 52 Rating, Deduct</i>	-639.50	
<i>For Class 54 Rating, Add</i>	436.02	
<i>For Class 55 Rating, Add</i>	969.13	
40 05 19 00-1447 EA 30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,005.56	656.27
<i>For Class 52 Rating, Deduct</i>	-661.23	
<i>For Class 54 Rating, Add</i>	450.84	
<i>For Class 55 Rating, Add</i>	1,002.07	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1448	EA		30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,205.44	657.79
			<i>For Class 52 Rating, Deduct</i>	-682.97	
			<i>For Class 54 Rating, Add</i>	465.66	
			<i>For Class 55 Rating, Add</i>	1,035.01	
40 05 19 00-1449	EA		30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,405.34	659.30
			<i>For Class 52 Rating, Deduct</i>	-704.70	
			<i>For Class 54 Rating, Add</i>	480.48	
			<i>For Class 55 Rating, Add</i>	1,067.95	
40 05 19 00-1450	EA		30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,605.23	660.82
			<i>For Class 52 Rating, Deduct</i>	-726.44	
			<i>For Class 54 Rating, Add</i>	495.30	
			<i>For Class 55 Rating, Add</i>	1,100.89	
40 05 19 00-1451	EA		30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,805.12	662.33
			<i>For Class 52 Rating, Deduct</i>	-748.18	
			<i>For Class 54 Rating, Add</i>	510.12	
			<i>For Class 55 Rating, Add</i>	1,133.83	
40 05 19 00-1452	EA		30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,005.01	663.83
			<i>For Class 52 Rating, Deduct</i>	-769.91	
			<i>For Class 54 Rating, Add</i>	524.94	
			<i>For Class 55 Rating, Add</i>	1,166.77	
40 05 19 00-1453	EA		30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,204.90	665.35
			<i>For Class 52 Rating, Deduct</i>	-791.65	
			<i>For Class 54 Rating, Add</i>	539.76	
			<i>For Class 55 Rating, Add</i>	1,199.71	
40 05 19 00-1454	EA		30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,404.79	666.86
			<i>For Class 52 Rating, Deduct</i>	-813.38	
			<i>For Class 54 Rating, Add</i>	554.58	
			<i>For Class 55 Rating, Add</i>	1,232.65	
40 05 19 00-1455	EA		30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,604.69	668.37
			<i>For Class 52 Rating, Deduct</i>	-835.12	
			<i>For Class 54 Rating, Add</i>	569.40	
			<i>For Class 55 Rating, Add</i>	1,265.59	
40 05 19 00-1456	EA		30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,804.58	669.89
			<i>For Class 52 Rating, Deduct</i>	-856.86	
			<i>For Class 54 Rating, Add</i>	584.22	
			<i>For Class 55 Rating, Add</i>	1,298.53	
40 05 19 00-1457	EA		30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,004.47	671.40
			<i>For Class 52 Rating, Deduct</i>	-878.59	
			<i>For Class 54 Rating, Add</i>	599.04	
			<i>For Class 55 Rating, Add</i>	1,331.47	
40 05 19 00-1458	EA		30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,204.36	672.91
			<i>For Class 52 Rating, Deduct</i>	-900.33	
			<i>For Class 54 Rating, Add</i>	613.86	
			<i>For Class 55 Rating, Add</i>	1,364.41	
40 05 19 00-1459	EA		30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,404.25	674.42
			<i>For Class 52 Rating, Deduct</i>	-922.06	
			<i>For Class 54 Rating, Add</i>	628.68	
			<i>For Class 55 Rating, Add</i>	1,397.35	
40 05 19 00-1460	EA		30" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,604.14	675.93
			<i>For Class 52 Rating, Deduct</i>	-943.80	
			<i>For Class 54 Rating, Add</i>	643.50	
			<i>For Class 55 Rating, Add</i>	1,430.29	
40 05 19 00-1461	EA		30" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,804.04	677.45
			<i>For Class 52 Rating, Deduct</i>	-965.54	
			<i>For Class 54 Rating, Add</i>	658.32	
			<i>For Class 55 Rating, Add</i>	1,463.23	
40 05 19 00-1462	EA		30" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,003.93	678.96
			<i>For Class 52 Rating, Deduct</i>	-987.27	
			<i>For Class 54 Rating, Add</i>	673.14	
			<i>For Class 55 Rating, Add</i>	1,496.17	
40 05 19 00-1463			<b>36" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b>		
			<small>(40 05 19 00-1028)</small>		
40 05 19 00-1464	EA		36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,565.58	789.35
			<i>For Class 52 Rating, Deduct</i>	-260.66	
			<i>For Class 54 Rating, Add</i>	177.72	
			<i>For Class 55 Rating, Add</i>	395.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1465 EA 36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,836.67	790.86
<i>For Class 52 Rating, Deduct</i>	-290.22	
<i>For Class 54 Rating, Add</i>	197.88	
<i>For Class 55 Rating, Add</i>	439.82	
40 05 19 00-1466 EA 36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,107.76	792.36
<i>For Class 52 Rating, Deduct</i>	-319.79	
<i>For Class 54 Rating, Add</i>	218.04	
<i>For Class 55 Rating, Add</i>	484.63	
40 05 19 00-1467 EA 36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,378.85	793.88
<i>For Class 52 Rating, Deduct</i>	-349.36	
<i>For Class 54 Rating, Add</i>	238.20	
<i>For Class 55 Rating, Add</i>	529.44	
40 05 19 00-1468 EA 36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,649.94	795.39
<i>For Class 52 Rating, Deduct</i>	-378.93	
<i>For Class 54 Rating, Add</i>	258.36	
<i>For Class 55 Rating, Add</i>	574.25	
40 05 19 00-1469 EA 36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,921.04	796.90
<i>For Class 52 Rating, Deduct</i>	-408.50	
<i>For Class 54 Rating, Add</i>	278.52	
<i>For Class 55 Rating, Add</i>	619.06	
40 05 19 00-1470 EA 36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,192.13	798.42
<i>For Class 52 Rating, Deduct</i>	-438.06	
<i>For Class 54 Rating, Add</i>	298.68	
<i>For Class 55 Rating, Add</i>	663.87	
40 05 19 00-1471 EA 36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,463.22	799.93
<i>For Class 52 Rating, Deduct</i>	-467.63	
<i>For Class 54 Rating, Add</i>	318.84	
<i>For Class 55 Rating, Add</i>	708.68	
40 05 19 00-1472 EA 36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,734.31	801.45
<i>For Class 52 Rating, Deduct</i>	-497.20	
<i>For Class 54 Rating, Add</i>	339.00	
<i>For Class 55 Rating, Add</i>	753.48	
40 05 19 00-1473 EA 36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,005.40	802.96
<i>For Class 52 Rating, Deduct</i>	-526.77	
<i>For Class 54 Rating, Add</i>	359.16	
<i>For Class 55 Rating, Add</i>	798.29	
40 05 19 00-1474 EA 36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,276.49	804.46
<i>For Class 52 Rating, Deduct</i>	-556.34	
<i>For Class 54 Rating, Add</i>	379.32	
<i>For Class 55 Rating, Add</i>	843.10	
40 05 19 00-1475 EA 36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,547.58	805.98
<i>For Class 52 Rating, Deduct</i>	-585.90	
<i>For Class 54 Rating, Add</i>	399.48	
<i>For Class 55 Rating, Add</i>	887.91	
40 05 19 00-1476 EA 36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,818.67	807.49
<i>For Class 52 Rating, Deduct</i>	-615.47	
<i>For Class 54 Rating, Add</i>	419.64	
<i>For Class 55 Rating, Add</i>	932.72	
40 05 19 00-1477 EA 36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,089.76	809.00
<i>For Class 52 Rating, Deduct</i>	-645.04	
<i>For Class 54 Rating, Add</i>	439.80	
<i>For Class 55 Rating, Add</i>	977.53	
40 05 19 00-1478 EA 36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,360.85	810.52
<i>For Class 52 Rating, Deduct</i>	-674.61	
<i>For Class 54 Rating, Add</i>	459.96	
<i>For Class 55 Rating, Add</i>	1,022.34	
40 05 19 00-1479 EA 36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,631.94	812.03
<i>For Class 52 Rating, Deduct</i>	-704.18	
<i>For Class 54 Rating, Add</i>	480.12	
<i>For Class 55 Rating, Add</i>	1,067.15	
40 05 19 00-1480 EA 36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,903.03	813.54
<i>For Class 52 Rating, Deduct</i>	-733.74	
<i>For Class 54 Rating, Add</i>	500.28	
<i>For Class 55 Rating, Add</i>	1,111.96	
40 05 19 00-1481 EA 36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,174.13	815.05
<i>For Class 52 Rating, Deduct</i>	-763.31	
<i>For Class 54 Rating, Add</i>	520.44	
<i>For Class 55 Rating, Add</i>	1,156.76	



**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1482	EA		36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,445.22	816.56
			For Class 52 Rating, Deduct	-792.88	
			For Class 54 Rating, Add	540.60	
			For Class 55 Rating, Add	1,201.57	
40 05 19 00-1483	EA		36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,716.31	818.08
			For Class 52 Rating, Deduct	-822.45	
			For Class 54 Rating, Add	560.76	
			For Class 55 Rating, Add	1,246.38	
40 05 19 00-1484	EA		36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,987.40	819.59
			For Class 52 Rating, Deduct	-852.02	
			For Class 54 Rating, Add	580.92	
			For Class 55 Rating, Add	1,291.19	
40 05 19 00-1485	EA		36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,258.49	821.10
			For Class 52 Rating, Deduct	-881.58	
			For Class 54 Rating, Add	601.08	
			For Class 55 Rating, Add	1,336.00	
40 05 19 00-1486	EA		36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,529.59	822.62
			For Class 52 Rating, Deduct	-911.15	
			For Class 54 Rating, Add	621.24	
			For Class 55 Rating, Add	1,380.81	
40 05 19 00-1487	EA		36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,800.68	824.13
			For Class 52 Rating, Deduct	-940.72	
			For Class 54 Rating, Add	641.40	
			For Class 55 Rating, Add	1,425.62	
40 05 19 00-1488	EA		36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,071.77	825.63
			For Class 52 Rating, Deduct	-970.29	
			For Class 54 Rating, Add	661.56	
			For Class 55 Rating, Add	1,470.43	
40 05 19 00-1489	EA		36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,342.86	827.15
			For Class 52 Rating, Deduct	-999.86	
			For Class 54 Rating, Add	681.72	
			For Class 55 Rating, Add	1,515.24	
40 05 19 00-1490	EA		36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,613.95	828.66
			For Class 52 Rating, Deduct	-1,029.42	
			For Class 54 Rating, Add	701.88	
			For Class 55 Rating, Add	1,560.05	
40 05 19 00-1491	EA		36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,885.04	830.17
			For Class 52 Rating, Deduct	-1,058.99	
			For Class 54 Rating, Add	722.04	
			For Class 55 Rating, Add	1,604.85	
40 05 19 00-1492	EA		36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,156.13	831.69
			For Class 52 Rating, Deduct	-1,088.56	
			For Class 54 Rating, Add	742.20	
			For Class 55 Rating, Add	1,649.66	
40 05 19 00-1493	EA		36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,427.22	833.20
			For Class 52 Rating, Deduct	-1,118.13	
			For Class 54 Rating, Add	762.36	
			For Class 55 Rating, Add	1,694.47	
40 05 19 00-1494	EA		36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,698.31	834.71
			For Class 52 Rating, Deduct	-1,147.70	
			For Class 54 Rating, Add	782.52	
			For Class 55 Rating, Add	1,739.28	
40 05 19 00-1495	EA		36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,969.40	836.22
			For Class 52 Rating, Deduct	-1,177.26	
			For Class 54 Rating, Add	802.68	
			For Class 55 Rating, Add	1,784.09	
40 05 19 00-1496	EA		36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,240.49	837.73
			For Class 52 Rating, Deduct	-1,206.83	
			For Class 54 Rating, Add	822.84	
			For Class 55 Rating, Add	1,828.90	
40 05 19 00-1497	EA		36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,511.58	839.25
			For Class 52 Rating, Deduct	-1,236.40	
			For Class 54 Rating, Add	843.00	
			For Class 55 Rating, Add	1,873.71	
40 05 19 00-1498	EA		36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,782.68	840.76
			For Class 52 Rating, Deduct	-1,265.97	
			For Class 54 Rating, Add	863.16	
			For Class 55 Rating, Add	1,918.52	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1499	EA		36" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,053.77	842.27
			<i>For Class 52 Rating, Deduct</i>	-1,295.54	
			<i>For Class 54 Rating, Add</i>	883.32	
			<i>For Class 55 Rating, Add</i>	1,963.33	
40 05 19 00-1500	EA		36" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,324.86	843.79
			<i>For Class 52 Rating, Deduct</i>	-1,325.10	
			<i>For Class 54 Rating, Add</i>	903.48	
			<i>For Class 55 Rating, Add</i>	2,008.13	
40 05 19 00-1501	EA		36" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,595.95	845.30
			<i>For Class 52 Rating, Deduct</i>	-1,354.67	
			<i>For Class 54 Rating, Add</i>	923.64	
			<i>For Class 55 Rating, Add</i>	2,052.94	
<b>40 05 19 00-1502</b>			<b>42" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b>		
			<small>(40 05 19 00-1028)</small>		
40 05 19 00-1503	EA		42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,684.38	995.00
			<i>For Class 52 Rating, Deduct</i>	-349.45	
			<i>For Class 54 Rating, Add</i>	238.26	
			<i>For Class 55 Rating, Add</i>	529.57	
40 05 19 00-1504	EA		42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,088.27	996.51
			<i>For Class 52 Rating, Deduct</i>	-393.62	
			<i>For Class 54 Rating, Add</i>	268.38	
			<i>For Class 55 Rating, Add</i>	596.52	
40 05 19 00-1505	EA		42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,487.36	998.02
			<i>For Class 52 Rating, Deduct</i>	-437.27	
			<i>For Class 54 Rating, Add</i>	298.14	
			<i>For Class 55 Rating, Add</i>	662.67	
40 05 19 00-1506	EA		42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,890.45	999.53
			<i>For Class 52 Rating, Deduct</i>	-481.36	
			<i>For Class 54 Rating, Add</i>	328.20	
			<i>For Class 55 Rating, Add</i>	729.48	
40 05 19 00-1507	EA		42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,289.54	1,001.05
			<i>For Class 52 Rating, Deduct</i>	-525.01	
			<i>For Class 54 Rating, Add</i>	357.96	
			<i>For Class 55 Rating, Add</i>	795.63	
40 05 19 00-1508	EA		42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,693.43	1,002.56
			<i>For Class 52 Rating, Deduct</i>	-569.18	
			<i>For Class 54 Rating, Add</i>	388.08	
			<i>For Class 55 Rating, Add</i>	862.57	
40 05 19 00-1509	EA		42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,091.72	1,004.07
			<i>For Class 52 Rating, Deduct</i>	-612.74	
			<i>For Class 54 Rating, Add</i>	417.78	
			<i>For Class 55 Rating, Add</i>	928.59	
40 05 19 00-1510	EA		42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,495.61	1,005.59
			<i>For Class 52 Rating, Deduct</i>	-656.92	
			<i>For Class 54 Rating, Add</i>	447.90	
			<i>For Class 55 Rating, Add</i>	995.53	
40 05 19 00-1511	EA		42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,894.70	1,007.10
			<i>For Class 52 Rating, Deduct</i>	-700.57	
			<i>For Class 54 Rating, Add</i>	477.66	
			<i>For Class 55 Rating, Add</i>	1,061.68	
40 05 19 00-1512	EA		42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,297.79	1,008.60
			<i>For Class 52 Rating, Deduct</i>	-744.66	
			<i>For Class 54 Rating, Add</i>	507.72	
			<i>For Class 55 Rating, Add</i>	1,128.49	
40 05 19 00-1513	EA		42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,696.88	1,010.12
			<i>For Class 52 Rating, Deduct</i>	-788.30	
			<i>For Class 54 Rating, Add</i>	537.48	
			<i>For Class 55 Rating, Add</i>	1,194.64	
40 05 19 00-1514	EA		42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,099.97	1,011.63
			<i>For Class 52 Rating, Deduct</i>	-832.39	
			<i>For Class 54 Rating, Add</i>	567.54	
			<i>For Class 55 Rating, Add</i>	1,261.45	
40 05 19 00-1515	EA		42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,499.07	1,013.14
			<i>For Class 52 Rating, Deduct</i>	-876.04	
			<i>For Class 54 Rating, Add</i>	597.30	
			<i>For Class 55 Rating, Add</i>	1,327.60	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1516	EA		42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,898.96	1,014.66
			For Class 52 Rating, Deduct	-919.78	
			For Class 54 Rating, Add	627.12	
			For Class 55 Rating, Add	1,393.88	
40 05 19 00-1517	EA		42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,301.25	1,016.17
			For Class 52 Rating, Deduct	-963.78	
			For Class 54 Rating, Add	657.12	
			For Class 55 Rating, Add	1,460.56	
40 05 19 00-1518	EA		42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,700.34	1,017.69
			For Class 52 Rating, Deduct	-1,007.42	
			For Class 54 Rating, Add	686.88	
			For Class 55 Rating, Add	1,526.71	
40 05 19 00-1519	EA		42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,104.23	1,019.19
			For Class 52 Rating, Deduct	-1,051.60	
			For Class 54 Rating, Add	717.00	
			For Class 55 Rating, Add	1,593.65	
40 05 19 00-1520	EA		42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,503.33	1,020.70
			For Class 52 Rating, Deduct	-1,095.25	
			For Class 54 Rating, Add	746.76	
			For Class 55 Rating, Add	1,659.80	
40 05 19 00-1521	EA		42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,906.42	1,022.22
			For Class 52 Rating, Deduct	-1,139.34	
			For Class 54 Rating, Add	776.82	
			For Class 55 Rating, Add	1,726.61	
40 05 19 00-1522	EA		42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,305.51	1,023.73
			For Class 52 Rating, Deduct	-1,182.98	
			For Class 54 Rating, Add	806.58	
			For Class 55 Rating, Add	1,792.76	
40 05 19 00-1523	EA		42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,709.40	1,025.24
			For Class 52 Rating, Deduct	-1,227.16	
			For Class 54 Rating, Add	836.70	
			For Class 55 Rating, Add	1,859.71	
40 05 19 00-1524	EA		42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,108.49	1,026.76
			For Class 52 Rating, Deduct	-1,270.81	
			For Class 54 Rating, Add	866.46	
			For Class 55 Rating, Add	1,925.85	
40 05 19 00-1525	EA		42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,511.58	1,028.27
			For Class 52 Rating, Deduct	-1,314.90	
			For Class 54 Rating, Add	896.52	
			For Class 55 Rating, Add	1,992.67	
40 05 19 00-1526	EA		42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,910.67	1,029.77
			For Class 52 Rating, Deduct	-1,358.54	
			For Class 54 Rating, Add	926.28	
			For Class 55 Rating, Add	2,058.81	
40 05 19 00-1527	EA		42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,314.56	1,031.29
			For Class 52 Rating, Deduct	-1,402.72	
			For Class 54 Rating, Add	956.40	
			For Class 55 Rating, Add	2,125.76	
40 05 19 00-1528	EA		42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,713.65	1,032.80
			For Class 52 Rating, Deduct	-1,446.37	
			For Class 54 Rating, Add	986.16	
			For Class 55 Rating, Add	2,191.90	
40 05 19 00-1529	EA		42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,115.94	1,034.31
			For Class 52 Rating, Deduct	-1,490.37	
			For Class 54 Rating, Add	1,016.16	
			For Class 55 Rating, Add	2,258.58	
40 05 19 00-1530	EA		42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,515.83	1,035.83
			For Class 52 Rating, Deduct	-1,534.10	
			For Class 54 Rating, Add	1,045.98	
			For Class 55 Rating, Add	2,324.86	
40 05 19 00-1531	EA		42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,834.92	1,037.34
			For Class 52 Rating, Deduct	-1,568.95	
			For Class 54 Rating, Add	1,069.74	
			For Class 55 Rating, Add	2,377.68	
40 05 19 00-1532	EA		42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,318.02	1,038.86
			For Class 52 Rating, Deduct	-1,621.84	
			For Class 54 Rating, Add	1,105.80	
			For Class 55 Rating, Add	2,457.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1533 EA 42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,717.11	1,040.36
<i>For Class 52 Rating, Deduct</i>	-1,665.49	
<i>For Class 54 Rating, Add</i>	1,135.56	
<i>For Class 55 Rating, Add</i>	2,523.97	
40 05 19 00-1534 EA 42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,120.20	1,041.87
<i>For Class 52 Rating, Deduct</i>	-1,709.58	
<i>For Class 54 Rating, Add</i>	1,165.62	
<i>For Class 55 Rating, Add</i>	2,590.78	
40 05 19 00-1535 EA 42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,519.29	1,043.39
<i>For Class 52 Rating, Deduct</i>	-1,753.22	
<i>For Class 54 Rating, Add</i>	1,195.38	
<i>For Class 55 Rating, Add</i>	2,656.93	
40 05 19 00-1536 EA 42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,923.18	1,044.90
<i>For Class 52 Rating, Deduct</i>	-1,797.40	
<i>For Class 54 Rating, Add</i>	1,225.50	
<i>For Class 55 Rating, Add</i>	2,723.88	
40 05 19 00-1537 EA 42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,321.48	1,046.41
<i>For Class 52 Rating, Deduct</i>	-1,840.96	
<i>For Class 54 Rating, Add</i>	1,255.20	
<i>For Class 55 Rating, Add</i>	2,789.89	
40 05 19 00-1538 EA 42" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,725.37	1,047.93
<i>For Class 52 Rating, Deduct</i>	-1,885.14	
<i>For Class 54 Rating, Add</i>	1,285.32	
<i>For Class 55 Rating, Add</i>	2,856.84	
40 05 19 00-1539 EA 42" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,124.46	1,049.44
<i>For Class 52 Rating, Deduct</i>	-1,928.78	
<i>For Class 54 Rating, Add</i>	1,315.08	
<i>For Class 55 Rating, Add</i>	2,922.98	
40 05 19 00-1540 EA 42" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,527.55	1,050.94
<i>For Class 52 Rating, Deduct</i>	-1,972.87	
<i>For Class 54 Rating, Add</i>	1,345.14	
<i>For Class 55 Rating, Add</i>	2,989.80	
<b>40 05 19 00-1541 48" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b>		
<small>(40 05 19 00-1028)</small>		
40 05 19 00-1542 EA 48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,025.98	1,250.55
<i>For Class 52 Rating, Deduct</i>	-454.43	
<i>For Class 54 Rating, Add</i>	309.84	
<i>For Class 55 Rating, Add</i>	688.67	
40 05 19 00-1543 EA 48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,613.06	1,252.07
<i>For Class 52 Rating, Deduct</i>	-518.76	
<i>For Class 54 Rating, Add</i>	353.70	
<i>For Class 55 Rating, Add</i>	786.16	
40 05 19 00-1544 EA 48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,199.36	1,253.58
<i>For Class 52 Rating, Deduct</i>	-583.00	
<i>For Class 54 Rating, Add</i>	397.50	
<i>For Class 55 Rating, Add</i>	883.51	
40 05 19 00-1545 EA 48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,790.45	1,255.10
<i>For Class 52 Rating, Deduct</i>	-647.77	
<i>For Class 54 Rating, Add</i>	441.66	
<i>For Class 55 Rating, Add</i>	981.66	
40 05 19 00-1546 EA 48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,377.54	1,256.60
<i>For Class 52 Rating, Deduct</i>	-712.10	
<i>For Class 54 Rating, Add</i>	485.52	
<i>For Class 55 Rating, Add</i>	1,079.15	
40 05 19 00-1547 EA 48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,964.63	1,258.11
<i>For Class 52 Rating, Deduct</i>	-776.42	
<i>For Class 54 Rating, Add</i>	529.38	
<i>For Class 55 Rating, Add</i>	1,176.64	
40 05 19 00-1548 EA 48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,554.92	1,259.63
<i>For Class 52 Rating, Deduct</i>	-841.10	
<i>For Class 54 Rating, Add</i>	573.48	
<i>For Class 55 Rating, Add</i>	1,274.65	
40 05 19 00-1549 EA 48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,142.81	1,261.14
<i>For Class 52 Rating, Deduct</i>	-905.52	
<i>For Class 54 Rating, Add</i>	617.40	
<i>For Class 55 Rating, Add</i>	1,372.27	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1550	EA		48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,729.11	1,262.65
			<i>For Class 52 Rating, Deduct</i>	-969.76	
			<i>For Class 54 Rating, Add</i>	661.20	
			<i>For Class 55 Rating, Add</i>	1,469.63	
40 05 19 00-1551	EA		48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,320.20	1,264.17
			<i>For Class 52 Rating, Deduct</i>	-1,034.53	
			<i>For Class 54 Rating, Add</i>	705.36	
			<i>For Class 55 Rating, Add</i>	1,567.78	
40 05 19 00-1552	EA		48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,907.29	1,265.68
			<i>For Class 52 Rating, Deduct</i>	-1,098.86	
			<i>For Class 54 Rating, Add</i>	749.22	
			<i>For Class 55 Rating, Add</i>	1,665.27	
40 05 19 00-1553	EA		48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,498.38	1,267.18
			<i>For Class 52 Rating, Deduct</i>	-1,163.62	
			<i>For Class 54 Rating, Add</i>	793.38	
			<i>For Class 55 Rating, Add</i>	1,763.42	
40 05 19 00-1554	EA		48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,084.67	1,268.70
			<i>For Class 52 Rating, Deduct</i>	-1,227.86	
			<i>For Class 54 Rating, Add</i>	837.18	
			<i>For Class 55 Rating, Add</i>	1,860.77	
40 05 19 00-1555	EA		48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,671.77	1,270.21
			<i>For Class 52 Rating, Deduct</i>	-1,292.19	
			<i>For Class 54 Rating, Add</i>	881.04	
			<i>For Class 55 Rating, Add</i>	1,958.26	
40 05 19 00-1556	EA		48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,262.86	1,271.73
			<i>For Class 52 Rating, Deduct</i>	-1,356.96	
			<i>For Class 54 Rating, Add</i>	925.20	
			<i>For Class 55 Rating, Add</i>	2,056.41	
40 05 19 00-1557	EA		48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,849.95	1,273.24
			<i>For Class 52 Rating, Deduct</i>	-1,421.29	
			<i>For Class 54 Rating, Add</i>	969.06	
			<i>For Class 55 Rating, Add</i>	2,153.90	
40 05 19 00-1558	EA		48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,436.24	1,274.75
			<i>For Class 52 Rating, Deduct</i>	-1,485.53	
			<i>For Class 54 Rating, Add</i>	1,012.86	
			<i>For Class 55 Rating, Add</i>	2,251.25	
40 05 19 00-1559	EA		48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,027.32	1,276.27
			<i>For Class 52 Rating, Deduct</i>	-1,550.30	
			<i>For Class 54 Rating, Add</i>	1,057.02	
			<i>For Class 55 Rating, Add</i>	2,349.40	
40 05 19 00-1560	EA		48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,614.41	1,277.76
			<i>For Class 52 Rating, Deduct</i>	-1,614.62	
			<i>For Class 54 Rating, Add</i>	1,100.88	
			<i>For Class 55 Rating, Add</i>	2,446.89	
40 05 19 00-1561	EA		48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,200.71	1,279.28
			<i>For Class 52 Rating, Deduct</i>	-1,678.86	
			<i>For Class 54 Rating, Add</i>	1,144.68	
			<i>For Class 55 Rating, Add</i>	2,544.24	
40 05 19 00-1562	EA		48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,791.80	1,280.80
			<i>For Class 52 Rating, Deduct</i>	-1,743.63	
			<i>For Class 54 Rating, Add</i>	1,188.84	
			<i>For Class 55 Rating, Add</i>	2,642.40	
40 05 19 00-1563	EA		48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,379.69	1,282.31
			<i>For Class 52 Rating, Deduct</i>	-1,808.05	
			<i>For Class 54 Rating, Add</i>	1,232.76	
			<i>For Class 55 Rating, Add</i>	2,740.01	
40 05 19 00-1564	EA		48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,965.98	1,283.82
			<i>For Class 52 Rating, Deduct</i>	-1,872.29	
			<i>For Class 54 Rating, Add</i>	1,276.56	
			<i>For Class 55 Rating, Add</i>	2,837.37	
40 05 19 00-1565	EA		48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,557.07	1,285.34
			<i>For Class 52 Rating, Deduct</i>	-1,937.06	
			<i>For Class 54 Rating, Add</i>	1,320.72	
			<i>For Class 55 Rating, Add</i>	2,935.52	
40 05 19 00-1566	EA		48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,144.16	1,286.85
			<i>For Class 52 Rating, Deduct</i>	-2,001.38	
			<i>For Class 54 Rating, Add</i>	1,364.58	
			<i>For Class 55 Rating, Add</i>	3,033.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1567 EA 48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	20,730.46	1,288.35
<i>For Class 52 Rating, Deduct</i>	-2,065.62	
<i>For Class 54 Rating, Add</i>	1,408.38	
<i>For Class 55 Rating, Add</i>	3,130.36	
40 05 19 00-1568 EA 48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	21,321.55	1,289.86
<i>For Class 52 Rating, Deduct</i>	-2,130.39	
<i>For Class 54 Rating, Add</i>	1,452.54	
<i>For Class 55 Rating, Add</i>	3,228.51	
40 05 19 00-1569 EA 48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	21,908.64	1,291.38
<i>For Class 52 Rating, Deduct</i>	-2,194.72	
<i>For Class 54 Rating, Add</i>	1,496.40	
<i>For Class 55 Rating, Add</i>	3,326.00	
40 05 19 00-1570 EA 48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	22,423.73	1,292.90
<i>For Class 52 Rating, Deduct</i>	-2,251.13	
<i>For Class 54 Rating, Add</i>	1,534.86	
<i>For Class 55 Rating, Add</i>	3,411.48	
40 05 19 00-1571 EA 48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	23,086.82	1,294.40
<i>For Class 52 Rating, Deduct</i>	-2,323.82	
<i>For Class 54 Rating, Add</i>	1,584.42	
<i>For Class 55 Rating, Add</i>	3,521.64	
40 05 19 00-1572 EA 48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	23,673.11	1,295.92
<i>For Class 52 Rating, Deduct</i>	-2,388.06	
<i>For Class 54 Rating, Add</i>	1,628.22	
<i>For Class 55 Rating, Add</i>	3,618.99	
40 05 19 00-1573 EA 48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	24,265.01	1,297.44
<i>For Class 52 Rating, Deduct</i>	-2,452.91	
<i>For Class 54 Rating, Add</i>	1,672.44	
<i>For Class 55 Rating, Add</i>	3,717.28	
40 05 19 00-1574 EA 48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	24,851.30	1,298.93
<i>For Class 52 Rating, Deduct</i>	-2,517.15	
<i>For Class 54 Rating, Add</i>	1,716.24	
<i>For Class 55 Rating, Add</i>	3,814.63	
40 05 19 00-1575 EA 48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	25,437.59	1,300.45
<i>For Class 52 Rating, Deduct</i>	-2,581.39	
<i>For Class 54 Rating, Add</i>	1,760.04	
<i>For Class 55 Rating, Add</i>	3,911.98	
40 05 19 00-1576 EA 48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	26,029.47	1,301.96
<i>For Class 52 Rating, Deduct</i>	-2,646.25	
<i>For Class 54 Rating, Add</i>	1,804.26	
<i>For Class 55 Rating, Add</i>	4,010.27	
40 05 19 00-1577 EA 48" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	26,615.76	1,303.48
<i>For Class 52 Rating, Deduct</i>	-2,710.49	
<i>For Class 54 Rating, Add</i>	1,848.06	
<i>For Class 55 Rating, Add</i>	4,107.62	
40 05 19 00-1578 EA 48" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	27,202.86	1,304.99
<i>For Class 52 Rating, Deduct</i>	-2,774.82	
<i>For Class 54 Rating, Add</i>	1,891.92	
<i>For Class 55 Rating, Add</i>	4,205.11	
40 05 19 00-1579 EA 48" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	27,793.95	1,306.50
<i>For Class 52 Rating, Deduct</i>	-2,839.58	
<i>For Class 54 Rating, Add</i>	1,936.08	
<i>For Class 55 Rating, Add</i>	4,303.26	
<b>40 05 19 00-1580 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows</b> <small>(40 05 19 00-0001)</small>		
40 05 19 00-1581 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	220.14	72.96
40 05 19 00-1582 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	310.96	93.29
40 05 19 00-1583 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	439.31	105.67
40 05 19 00-1584 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	646.19	133.98
40 05 19 00-1585 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	802.70	148.57
40 05 19 00-1586 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	1,004.52	161.38
40 05 19 00-1587 EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	1,237.47	198.96
40 05 19 00-1588 EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	1,627.36	238.76
40 05 19 00-1589 EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	2,003.55	300.66
40 05 19 00-1590 EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	3,067.84	340.46
40 05 19 00-1591 EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	5,180.12	451.00
40 05 19 00-1592 EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	7,364.96	510.69
40 05 19 00-1593 EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	12,381.10	583.64
40 05 19 00-1594 EA 48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	16,495.68	716.28

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1595			<b>Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbows</b> (40 05 19 00-0001)		
40 05 19 00-1596	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	208.14	72.96
40 05 19 00-1597	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	291.76	93.29
40 05 19 00-1598	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	390.51	105.67
40 05 19 00-1599	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	575.79	133.98
40 05 19 00-1600	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	713.10	148.57
40 05 19 00-1601	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	822.12	161.38
40 05 19 00-1602	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	1,035.87	198.96
40 05 19 00-1603	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	1,356.16	238.76
40 05 19 00-1604	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	1,756.35	300.66
40 05 19 00-1605	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	2,322.24	340.46
40 05 19 00-1606	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	4,634.52	451.00
40 05 19 00-1607	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	6,966.56	510.69
40 05 19 00-1608	EA		42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	10,668.30	583.64
40 05 19 00-1609	EA		48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow.....	14,558.08	716.28
40 05 19 00-1610			<b>Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows</b> (40 05 19 00-0001)		
40 05 19 00-1611	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	207.34	72.96
40 05 19 00-1612	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	285.36	93.29
40 05 19 00-1613	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	384.91	105.67
40 05 19 00-1614	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	559.79	133.98
40 05 19 00-1615	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	748.30	148.57
40 05 19 00-1616	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	933.32	161.38
40 05 19 00-1617	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	1,060.67	198.96
40 05 19 00-1618	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	1,386.56	238.76
40 05 19 00-1619	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	1,888.35	300.66
40 05 19 00-1620	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	2,623.04	340.46
40 05 19 00-1621	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	4,688.12	451.00
40 05 19 00-1622	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	7,089.76	510.69
40 05 19 00-1623	EA		42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	10,913.90	583.64
40 05 19 00-1624	EA		48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	14,878.08	716.28
40 05 19 00-1625			<b>Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows</b> (40 05 19 00-0001)		
40 05 19 00-1626	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	227.34	72.96
40 05 19 00-1627	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	322.96	93.29
40 05 19 00-1628	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	400.91	105.67
40 05 19 00-1629	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	616.59	133.98
40 05 19 00-1630	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	853.10	148.57
40 05 19 00-1631	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	960.52	161.38
40 05 19 00-1632	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	1,174.27	198.96
40 05 19 00-1633	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	1,386.56	238.76
40 05 19 00-1634	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	1,888.35	300.66
40 05 19 00-1635	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	2,731.04	340.46
40 05 19 00-1636	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	4,741.72	451.00
40 05 19 00-1637	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	7,142.56	510.69
40 05 19 00-1638	EA		42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	10,969.90	583.64
40 05 19 00-1639	EA		48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	14,990.88	716.28
40 05 19 00-1640			<b>Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows</b> (40 05 19 00-0001)		
40 05 19 00-1641	EA		6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	294.74	83.12
40 05 19 00-1642	EA		8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	365.72	89.31
40 05 19 00-1643	EA		8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	412.33	99.49
40 05 19 00-1644	EA		10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	555.16	103.47
40 05 19 00-1645	EA		10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	585.77	113.63
40 05 19 00-1646	EA		10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	640.75	119.82
40 05 19 00-1647	EA		12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	596.95	110.98
40 05 19 00-1648	EA		12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	673.16	121.15
40 05 19 00-1649	EA		12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	775.34	127.34
40 05 19 00-1650	EA		12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	825.58	141.49
40 05 19 00-1651	EA		14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	775.34	127.34
40 05 19 00-1652	EA		14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	859.92	133.53
40 05 19 00-1653	EA		14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	958.16	147.68
40 05 19 00-1654	EA		14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,061.54	155.20
40 05 19 00-1655	EA		16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	894.21	146.13
40 05 19 00-1656	EA		16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	965.19	152.32
40 05 19 00-1657	EA		16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,109.03	166.47
40 05 19 00-1658	EA		16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,211.28	173.77
40 05 19 00-1659	EA		16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,297.79	180.18
40 05 19 00-1660	EA		18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,046.75	166.03
40 05 19 00-1661	EA		18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,255.33	172.22
40 05 19 00-1662	EA		18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,291.97	186.37
40 05 19 00-1663	EA		18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow.....	1,364.63	193.66



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1664 EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,481.55	200.08
40 05 19 00-1665 EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,615.61	218.86
40 05 19 00-1666 EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,352.85	196.97
40 05 19 00-1667 EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,444.63	203.17
40 05 19 00-1668 EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,794.87	217.32
40 05 19 00-1669 EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,862.72	224.62
40 05 19 00-1670 EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,056.43	231.02
40 05 19 00-1671 EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,008.91	249.82
40 05 19 00-1672 EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,138.26	269.72
40 05 19 00-1673 EA 24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,909.40	216.87
40 05 19 00-1674 EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,001.98	223.06
40 05 19 00-1675 EA 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,154.62	237.22
40 05 19 00-1676 EA 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,264.87	244.51
40 05 19 00-1677 EA 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,472.18	250.92
40 05 19 00-1678 EA 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,664.66	269.72
40 05 19 00-1679 EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,727.60	289.61
40 05 19 00-1680 EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,820.74	286.40
40 05 19 00-1681 EA 30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	3,417.41	299.78
40 05 19 00-1682 EA 30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	3,639.12	306.18
40 05 19 00-1683 EA 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	4,104.40	324.98
40 05 19 00-1684 EA 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	4,774.54	344.88
40 05 19 00-1685 EA 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	5,523.04	375.83
40 05 19 00-1686 EA 30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	5,833.18	395.72
40 05 19 00-1687 EA 36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	4,716.23	329.62
40 05 19 00-1688 EA 36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	6,117.95	336.03
40 05 19 00-1689 EA 36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	4,966.41	354.83
40 05 19 00-1690 EA 36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	6,494.16	374.72
40 05 19 00-1691 EA 36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	6,207.46	405.67
40 05 19 00-1692 EA 36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	6,769.60	425.57
40 05 19 00-1693 EA 36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	7,219.74	480.84
40 05 19 00-1694 EA 42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	8,365.21	372.51
40 05 19 00-1695 EA 42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	7,047.29	391.30
40 05 19 00-1696 EA 42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	9,503.83	411.20
40 05 19 00-1697 EA 42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	9,348.32	442.15
40 05 19 00-1698 EA 42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	8,152.08	462.05
40 05 19 00-1699 EA 42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	9,608.62	517.32
40 05 19 00-1700 EA 42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	13,586.64	547.17
40 05 19 00-1701 EA 48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	13,002.54	533.90
40 05 19 00-1702 EA 48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	14,139.88	589.17
40 05 19 00-1703 EA 48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	14,553.09	619.01
40 05 19 00-1704 EA 48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	18,623.57	655.49
<b>40 05 19 00-1705 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius</b>		
<b>90 Degree Elbows (40 05 19 00-0001)</b>		
40 05 19 00-1706 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow .....	264.14	72.96
40 05 19 00-1707 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow .....	409.36	93.29
40 05 19 00-1708 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow .....	604.11	105.67
40 05 19 00-1709 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow .....	860.59	133.98
40 05 19 00-1710 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow .....	1,219.50	148.57
40 05 19 00-1711 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow .....	1,422.92	161.38
40 05 19 00-1712 EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow .....	1,847.07	198.96
40 05 19 00-1713 EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow .....	2,288.96	238.76
40 05 19 00-1714 EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow .....	3,123.55	300.66
40 05 19 00-1715 EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow .....	4,599.04	340.46
40 05 19 00-1716 EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow .....	8,110.52	451.00
40 05 19 00-1717 EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow .....	12,364.16	510.69
40 05 19 00-1718 EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow .....	19,193.10	583.64
<b>40 05 19 00-1719 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree</b>		
<b>Elbows With Base (40 05 19 00-0001)</b>		
40 05 19 00-1720 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	279.34	72.96
40 05 19 00-1721 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	379.76	93.29
40 05 19 00-1722 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	624.91	105.67
40 05 19 00-1723 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	845.39	133.98
40 05 19 00-1724 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	1,138.70	148.57
40 05 19 00-1725 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	1,346.12	161.38
40 05 19 00-1726 EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	1,663.07	198.96
40 05 19 00-1727 EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	2,090.56	238.76
40 05 19 00-1728 EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	2,760.35	300.66
40 05 19 00-1729 EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	3,907.84	340.46
40 05 19 00-1730 EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	6,416.92	451.00
40 05 19 00-1731 EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	9,188.96	510.69
40 05 19 00-1732 EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	17,103.50	583.64
40 05 19 00-1733 EA 48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	18,434.08	716.28
<b>40 05 19 00-1734 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees (40 05 19 00-0001)</b>		
40 05 19 00-1735 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	377.53	117.17



**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1736 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	468.00	144.14
40 05 19 00-1737 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	660.65	160.94
40 05 19 00-1738 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	950.47	209.14
40 05 19 00-1739 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	1,267.28	228.15
40 05 19 00-1740 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	1,702.21	245.39
40 05 19 00-1741 EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	1,925.75	309.50
40 05 19 00-1742 EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	2,350.34	353.72
40 05 19 00-1743 EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	2,964.63	446.57
40 05 19 00-1744 EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	4,380.56	492.99
40 05 19 00-1745 EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	7,469.29	680.91
40 05 19 00-1746 EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	10,784.02	780.39
40 05 19 00-1747 EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee.....	22,365.85	901.99

**40 05 19 00-1748 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tees**

(40 05 19 00-0001)

40 05 19 00-1749 EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	474.30	130.87
40 05 19 00-1750 EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	589.52	133.53
40 05 19 00-1751 EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	587.77	150.33
40 05 19 00-1752 EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	779.76	147.68
40 05 19 00-1753 EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	768.41	164.48
40 05 19 00-1754 EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	810.09	175.10
40 05 19 00-1755 EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	991.14	155.20
40 05 19 00-1756 EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	987.00	171.99
40 05 19 00-1757 EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,042.28	182.61
40 05 19 00-1758 EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,241.86	216.66
40 05 19 00-1759 EA 14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,450.12	161.38
40 05 19 00-1760 EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,417.18	178.19
40 05 19 00-1761 EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,479.66	188.80
40 05 19 00-1762 EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,560.85	222.84
40 05 19 00-1763 EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,655.39	234.56
40 05 19 00-1764 EA 16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,760.19	180.18
40 05 19 00-1765 EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,619.25	196.97
40 05 19 00-1766 EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,592.13	207.59
40 05 19 00-1767 EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,868.51	241.64
40 05 19 00-1768 EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,811.87	253.35
40 05 19 00-1769 EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,021.88	264.19
40 05 19 00-1770 EA 18" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,154.35	200.08
40 05 19 00-1771 EA 18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,618.20	216.87
40 05 19 00-1772 EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,951.87	227.48
40 05 19 00-1773 EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	1,956.26	261.53
40 05 19 00-1774 EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,130.02	273.25
40 05 19 00-1775 EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,326.43	284.08
40 05 19 00-1776 EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,487.09	329.40
40 05 19 00-1777 EA 20" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,778.83	231.02
40 05 19 00-1778 EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,385.09	247.83
40 05 19 00-1779 EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,433.97	258.44
40 05 19 00-1780 EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,535.16	292.48
40 05 19 00-1781 EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,634.51	304.20
40 05 19 00-1782 EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,667.72	315.03
40 05 19 00-1783 EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,213.99	360.36
40 05 19 00-1784 EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,283.63	384.67
40 05 19 00-1785 EA 24" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,163.38	250.92
40 05 19 00-1786 EA 24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,728.04	267.73
40 05 19 00-1787 EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,852.12	278.34
40 05 19 00-1788 EA 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	2,963.70	312.38
40 05 19 00-1789 EA 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,323.86	324.09
40 05 19 00-1790 EA 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,405.87	334.93
40 05 19 00-1791 EA 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	3,517.74	380.25
40 05 19 00-1792 EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,630.58	404.57
40 05 19 00-1793 EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	4,788.62	432.32
40 05 19 00-1794 EA 30" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,623.78	322.99
40 05 19 00-1795 EA 30" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,656.66	333.60
40 05 19 00-1796 EA 30" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,814.64	367.65
40 05 19 00-1797 EA 30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,832.40	379.37
40 05 19 00-1798 EA 30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,848.81	390.20
40 05 19 00-1799 EA 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	5,970.28	435.52
40 05 19 00-1800 EA 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,042.32	459.83
40 05 19 00-1801 EA 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	6,223.31	521.74
40 05 19 00-1802 EA 30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	7,975.50	548.27
40 05 19 00-1803 EA 36" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	7,756.41	462.27
40 05 19 00-1804 EA 36" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,299.54	470.67
40 05 19 00-1805 EA 36" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,353.65	494.77
40 05 19 00-1806 EA 36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,420.85	504.27
40 05 19 00-1807 EA 36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,451.51	512.89
40 05 19 00-1808 EA 36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,535.29	544.95
40 05 19 00-1809 EA 36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,586.38	567.05
40 05 19 00-1810 EA 36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,727.12	613.48
40 05 19 00-1811 EA 36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	8,921.49	636.69
40 05 19 00-1812 EA 36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,691.05	730.65
40 05 19 00-1813 EA 42" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	13,905.95	399.93
40 05 19 00-1814 EA 42" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	12,568.73	433.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1815 EA 42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	12,586.48	445.69
40 05 19 00-1816 EA 42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	12,621.30	456.52
40 05 19 00-1817 EA 42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	12,727.57	501.84
40 05 19 00-1818 EA 42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	12,858.81	526.16
40 05 19 00-1819 EA 42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	12,952.61	588.06
40 05 19 00-1820 EA 42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	13,143.20	614.59
40 05 19 00-1821 EA 42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	16,655.37	747.23
40 05 19 00-1822 EA 42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	21,408.89	816.87
40 05 19 00-1823 EA 48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,023.35	517.54
40 05 19 00-1824 EA 48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,039.76	528.37
40 05 19 00-1825 EA 48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,164.43	573.69
40 05 19 00-1826 EA 48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,201.28	598.01
40 05 19 00-1827 EA 48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,369.46	659.91
40 05 19 00-1828 EA 48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,541.66	686.44
40 05 19 00-1829 EA 48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	18,006.64	819.09
<b>40 05 19 00-1830</b>	<b>Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees With Base</b>	
<small>(40 05 19 00-0001)</small>		
40 05 19 00-1831 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base .....	407.93	117.17
40 05 19 00-1832 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base .....	555.20	144.14
40 05 19 00-1833 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base .....	811.05	160.94
40 05 19 00-1834 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base .....	1,234.47	209.14
40 05 19 00-1835 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base .....	1,660.88	228.15
40 05 19 00-1836 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base .....	1,855.81	245.39
40 05 19 00-1837 EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base .....	2,303.35	309.50
40 05 19 00-1838 EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base .....	2,799.14	353.72
40 05 19 00-1839 EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base .....	3,739.03	446.57
40 05 19 00-1840 EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base .....	5,390.16	492.99
40 05 19 00-1841 EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base .....	9,041.29	680.91
40 05 19 00-1842 EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base .....	12,895.22	780.39
<b>40 05 19 00-1843</b>	<b>Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wyes</b>	
<small>(40 05 19 00-0001)</small>		
40 05 19 00-1844 EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	331.13	117.17
40 05 19 00-1845 EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	464.00	144.14
40 05 19 00-1846 EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	672.65	160.94
40 05 19 00-1847 EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	884.07	209.14
40 05 19 00-1848 EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	1,263.28	228.15
40 05 19 00-1849 EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	1,641.41	245.39
<b>40 05 19 00-1850</b>	<b>Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Crosses</b>	
<small>(40 05 19 00-0001)</small>		
40 05 19 00-1851 EA 4" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	454.92	161.38
40 05 19 00-1852 EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	601.76	174.87
40 05 19 00-1853 EA 6" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	637.03	194.98
40 05 19 00-1854 EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	743.71	177.75
40 05 19 00-1855 EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	810.42	201.18
40 05 19 00-1856 EA 8" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	838.79	216.21
40 05 19 00-1857 EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	963.55	191.89
40 05 19 00-1858 EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,060.65	215.33
40 05 19 00-1859 EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,160.23	230.36
40 05 19 00-1860 EA 10" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,440.37	284.31
40 05 19 00-1861 EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,249.80	199.19
40 05 19 00-1862 EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,315.70	222.63
40 05 19 00-1863 EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,416.09	237.66
40 05 19 00-1864 EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,711.42	291.60
40 05 19 00-1865 EA 12" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,610.27	307.74
40 05 19 00-1866 EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,570.22	229.03
40 05 19 00-1867 EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,669.80	244.06
40 05 19 00-1868 EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,858.73	298.01
40 05 19 00-1869 EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,021.59	314.14
40 05 19 00-1870 EA 14" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,120.69	329.40
40 05 19 00-1871 EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,874.69	247.83
40 05 19 00-1872 EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,988.67	262.86
40 05 19 00-1873 EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,177.60	316.80
40 05 19 00-1874 EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,355.65	332.94
40 05 19 00-1875 EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,289.97	348.19
40 05 19 00-1876 EA 16" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,670.83	420.05
40 05 19 00-1877 EA 18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,951.24	267.73
40 05 19 00-1878 EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,064.41	282.76
40 05 19 00-1879 EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,222.95	336.69
40 05 19 00-1880 EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,400.20	352.84
40 05 19 00-1881 EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,759.31	368.09
40 05 19 00-1882 EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,006.57	439.94
40 05 19 00-1883 EA 18" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,142.12	468.68
40 05 19 00-1884 EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,544.54	298.67
40 05 19 00-1885 EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,665.71	313.70
40 05 19 00-1886 EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,813.04	367.65
40 05 19 00-1887 EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,002.30	383.78



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1888 EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,058.21	399.04
40 05 19 00-1889 EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,727.07	470.89
40 05 19 00-1890 EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,869.02	499.63
40 05 19 00-1891 EA 20" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,240.90	592.48
40 05 19 00-1892 EA 24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,365.08	318.57
40 05 19 00-1893 EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,452.66	333.60
40 05 19 00-1894 EA 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,649.59	387.55
40 05 19 00-1895 EA 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,773.24	403.68
40 05 19 00-1896 EA 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,845.96	418.94
40 05 19 00-1897 EA 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,070.02	490.79
40 05 19 00-1898 EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,283.17	519.52
40 05 19 00-1899 EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,584.89	578.22
40 05 19 00-1900 EA 24" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,148.49	645.54
40 05 19 00-1901 EA 30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,217.78	458.96
40 05 19 00-1902 EA 30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,258.50	474.21
40 05 19 00-1903 EA 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,490.56	546.05
40 05 19 00-1904 EA 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,569.31	574.80
40 05 19 00-1905 EA 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,904.39	667.65
40 05 19 00-1906 EA 30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	8,983.43	700.80
40 05 19 00-1907 EA 30" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	10,200.04	910.83
40 05 19 00-1908 EA 36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	8,787.04	583.86
40 05 19 00-1909 EA 36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	8,806.80	596.90
40 05 19 00-1910 EA 36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	9,002.77	655.49
40 05 19 00-1911 EA 36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	9,077.36	682.02
40 05 19 00-1912 EA 36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	9,353.79	759.39
40 05 19 00-1913 EA 36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	9,681.42	789.24
40 05 19 00-1914 EA 36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	13,097.82	960.57
40 05 19 00-1915 EA 36" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	14,362.27	1,050.11
40 05 19 00-1916 EA 42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	12,989.47	525.28
40 05 19 00-1917 EA 42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	13,012.58	540.53
40 05 19 00-1918 EA 42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	13,234.25	612.38
40 05 19 00-1919 EA 42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	13,296.19	641.12
40 05 19 00-1920 EA 42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	13,606.48	733.97
40 05 19 00-1921 EA 42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	13,939.12	767.13
40 05 19 00-1922 EA 42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	17,944.54	977.15
40 05 19 00-1923 EA 42" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	24,809.55	1,086.59
40 05 19 00-1924 EA 48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	18,369.79	1,220.34
40 05 19 00-1925 EA 48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	17,429.45	612.38
40 05 19 00-1926 EA 48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	17,651.91	684.22
40 05 19 00-1927 EA 48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	17,713.86	712.97
40 05 19 00-1928 EA 48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	18,004.94	805.82
40 05 19 00-1929 EA 48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	18,337.59	838.98
40 05 19 00-1930 EA 48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	19,163.80	1,049.00

#### 40 05 19 00-1931 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducers (40 05 19 00-0001)

40 05 19 00-1932 EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	242.74	83.12
40 05 19 00-1933 EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	310.52	89.31
40 05 19 00-1934 EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	341.93	99.49
40 05 19 00-1935 EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	418.36	103.47
40 05 19 00-1936 EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	421.77	113.63
40 05 19 00-1937 EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	493.55	119.82
40 05 19 00-1938 EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	535.35	110.98
40 05 19 00-1939 EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	553.16	121.15
40 05 19 00-1940 EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	606.54	127.34
40 05 19 00-1941 EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	682.38	141.49
40 05 19 00-1942 EA 14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	839.56	121.15
40 05 19 00-1943 EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	667.34	127.34
40 05 19 00-1944 EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	738.32	133.53
40 05 19 00-1945 EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	811.76	147.68
40 05 19 00-1946 EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	788.74	155.20
40 05 19 00-1947 EA 16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	994.00	135.97
40 05 19 00-1948 EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	803.81	146.13
40 05 19 00-1949 EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	758.79	152.32
40 05 19 00-1950 EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	845.83	166.47
40 05 19 00-1951 EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,049.68	173.77
40 05 19 00-1952 EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,129.79	180.18
40 05 19 00-1953 EA 18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,257.95	166.03
40 05 19 00-1954 EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	995.33	172.22
40 05 19 00-1955 EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,093.57	186.37
40 05 19 00-1956 EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,086.23	193.66
40 05 19 00-1957 EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,251.15	200.08
40 05 19 00-1958 EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,248.41	218.86
40 05 19 00-1959 EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,286.45	196.97
40 05 19 00-1960 EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,247.03	203.17
40 05 19 00-1961 EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,350.87	217.32
40 05 19 00-1962 EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,316.32	224.62
40 05 19 00-1963 EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,520.43	231.02
40 05 19 00-1964 EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,425.71	249.82
40 05 19 00-1965 EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,759.86	269.72



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1966	EA		24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,688.38	223.06
40 05 19 00-1967	EA		24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,907.42	237.22
40 05 19 00-1968	EA		24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,052.07	244.51
40 05 19 00-1969	EA		24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,106.58	250.92
40 05 19 00-1970	EA		24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,862.26	269.72
40 05 19 00-1971	EA		24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,250.00	289.61
40 05 19 00-1972	EA		24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,377.14	286.40
40 05 19 00-1973	EA		30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	3,244.40	324.98
40 05 19 00-1974	EA		30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	3,380.94	344.88
40 05 19 00-1975	EA		30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	3,639.84	375.83
40 05 19 00-1976	EA		30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	4,022.78	395.72
40 05 19 00-1977	EA		36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	4,436.81	354.83
40 05 19 00-1978	EA		36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	4,660.56	374.72
40 05 19 00-1979	EA		36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	4,954.66	405.67
40 05 19 00-1980	EA		36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	5,391.20	425.57
40 05 19 00-1981	EA		36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	6,215.74	480.84
40 05 19 00-1982	EA		42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	7,549.68	462.05
40 05 19 00-1983	EA		42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	8,535.82	517.32
40 05 19 00-1984	EA		42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	9,653.84	547.17
40 05 19 00-1985	EA		48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	9,596.14	533.90
40 05 19 00-1986	EA		48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	10,771.08	589.17
40 05 19 00-1987	EA		48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	12,039.49	619.01
40 05 19 00-1988	EA		48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	13,487.57	655.49

**40 05 19 00-1989 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducers (40 05 19 00-0001)**

40 05 19 00-1990	EA		6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	264.34	83.12
40 05 19 00-1991	EA		8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	335.32	89.31
40 05 19 00-1992	EA		8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	381.13	99.49
40 05 19 00-1993	EA		10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	418.36	103.47
40 05 19 00-1994	EA		10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	448.17	113.63
40 05 19 00-1995	EA		10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	518.35	119.82
40 05 19 00-1996	EA		12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	535.35	110.98
40 05 19 00-1997	EA		12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	581.96	121.15
40 05 19 00-1998	EA		12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	636.94	127.34
40 05 19 00-1999	EA		12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	735.18	141.49
40 05 19 00-2000	EA		14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	667.34	127.34
40 05 19 00-2001	EA		14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	723.12	133.53
40 05 19 00-2002	EA		14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	806.16	147.88
40 05 19 00-2003	EA		14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	923.94	155.20
40 05 19 00-2004	EA		16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	803.81	146.13
40 05 19 00-2005	EA		16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	873.19	152.32
40 05 19 00-2006	EA		16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	971.43	166.47
40 05 19 00-2007	EA		16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,074.48	173.77
40 05 19 00-2008	EA		16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,129.79	180.18
40 05 19 00-2009	EA		18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	995.33	172.22
40 05 19 00-2010	EA		18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,093.57	186.37
40 05 19 00-2011	EA		18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,196.63	193.66
40 05 19 00-2012	EA		18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,251.15	200.08
40 05 19 00-2013	EA		18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,371.61	218.86
40 05 19 00-2014	EA		20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,457.65	196.97
40 05 19 00-2015	EA		20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,329.43	203.17
40 05 19 00-2016	EA		20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,350.87	217.32
40 05 19 00-2017	EA		20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,477.12	224.62
40 05 19 00-2018	EA		20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,520.43	231.02
40 05 19 00-2019	EA		20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,662.51	249.82
40 05 19 00-2020	EA		20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,759.06	269.72
40 05 19 00-2021	EA		24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,853.18	223.06
40 05 19 00-2022	EA		24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,907.42	237.22
40 05 19 00-2023	EA		24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,951.27	244.51
40 05 19 00-2024	EA		24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	1,993.78	250.92
40 05 19 00-2025	EA		24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	2,138.26	269.72
40 05 19 00-2026	EA		24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	2,250.00	289.61
40 05 19 00-2027	EA		24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	2,377.14	286.40
40 05 19 00-2028	EA		30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	3,887.12	306.18
40 05 19 00-2029	EA		30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	3,791.60	324.98
40 05 19 00-2030	EA		30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	3,398.54	344.88
40 05 19 00-2031	EA		30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	3,639.84	375.83
40 05 19 00-2032	EA		30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	4,022.78	395.72
40 05 19 00-2033	EA		36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	4,472.01	354.83
40 05 19 00-2034	EA		36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	4,660.56	374.72
40 05 19 00-2035	EA		36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	4,937.06	405.67
40 05 19 00-2036	EA		36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	5,372.00	425.57
40 05 19 00-2037	EA		36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	6,198.14	480.84
40 05 19 00-2038	EA		42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	7,549.68	462.05
40 05 19 00-2039	EA		42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	8,375.82	517.32
40 05 19 00-2040	EA		42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	9,653.84	547.17
40 05 19 00-2041	EA		48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	10,771.08	589.17
40 05 19 00-2042	EA		48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	12,039.49	619.01
40 05 19 00-2043	EA		48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	13,487.57	655.49

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2044			Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flanges <sup>(40 05 19 00-0001)</sup>		
40 05 19 00-2045	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	93.95	28.74
40 05 19 00-2046	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	141.11	42.45
40 05 19 00-2047	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	205.17	50.41
40 05 19 00-2048	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	282.70	58.80
40 05 19 00-2049	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	365.30	68.98
40 05 19 00-2050	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	483.63	77.38
40 05 19 00-2051	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	577.99	88.43
40 05 19 00-2052	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	782.78	123.80
40 05 19 00-2053	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	1,040.08	154.75
40 05 19 00-2054	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	1,483.11	187.91
40 05 19 00-2055	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	2,093.21	218.86
40 05 19 00-2056	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	3,745.91	240.97
40 05 19 00-2057	EA		42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	5,285.16	265.29
40 05 19 00-2058	EA		48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange .....	6,987.40	298.45
40 05 19 00-2059			Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Piping <sup>(40 05 19)</sup>		
			Note: 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C115/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be ceramic epoxy. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-4062 for bolts, 40 05 19 00-4077 for gaskets.		
40 05 19 00-2060			Flanged End (FxF), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <sup>(40 05 19 00-2059)</sup>		
40 05 19 00-2061			4" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <sup>(40 05 19 00-2060)</sup>		
40 05 19 00-2062	EA		4" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	468.04	126.46
			For Class 52 Rating, Deduct .....	-30.41	
			For Class 54 Rating, Add .....	20.73	
			For Class 55 Rating, Add .....	46.08	
40 05 19 00-2063	EA		4" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	510.73	128.67
			For Class 52 Rating, Deduct .....	-34.74	
			For Class 54 Rating, Add .....	23.68	
			For Class 55 Rating, Add .....	52.64	
40 05 19 00-2064	EA		4" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	553.43	130.87
			For Class 52 Rating, Deduct .....	-39.06	
			For Class 54 Rating, Add .....	26.63	
			For Class 55 Rating, Add .....	59.20	
40 05 19 00-2065	EA		4" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	596.12	133.09
			For Class 52 Rating, Deduct .....	-43.39	
			For Class 54 Rating, Add .....	29.59	
			For Class 55 Rating, Add .....	65.76	
40 05 19 00-2066	EA		4" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	638.82	135.30
			For Class 52 Rating, Deduct .....	-47.72	
			For Class 54 Rating, Add .....	32.54	
			For Class 55 Rating, Add .....	72.32	
40 05 19 00-2067	EA		4" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	681.50	137.51
			For Class 52 Rating, Deduct .....	-52.05	
			For Class 54 Rating, Add .....	35.49	
			For Class 55 Rating, Add .....	78.88	
40 05 19 00-2068	EA		4" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	724.19	139.72
			For Class 52 Rating, Deduct .....	-56.38	
			For Class 54 Rating, Add .....	38.44	
			For Class 55 Rating, Add .....	85.43	
40 05 19 00-2069	EA		4" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	766.89	141.93
			For Class 52 Rating, Deduct .....	-60.70	
			For Class 54 Rating, Add .....	41.39	
			For Class 55 Rating, Add .....	91.99	
40 05 19 00-2070	EA		4" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	809.59	144.14
			For Class 52 Rating, Deduct .....	-65.03	
			For Class 54 Rating, Add .....	44.34	
			For Class 55 Rating, Add .....	98.55	
40 05 19 00-2071	EA		4" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	852.28	146.35
			For Class 52 Rating, Deduct .....	-69.36	
			For Class 54 Rating, Add .....	47.29	
			For Class 55 Rating, Add .....	105.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2072 EA 4" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	894.98	148.57
<i>For Class 52 Rating, Deduct</i>	-73.69	
<i>For Class 54 Rating, Add</i>	50.24	
<i>For Class 55 Rating, Add</i>	111.67	
40 05 19 00-2073 EA 4" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	937.67	150.77
<i>For Class 52 Rating, Deduct</i>	-78.01	
<i>For Class 54 Rating, Add</i>	53.19	
<i>For Class 55 Rating, Add</i>	118.23	
40 05 19 00-2074 EA 4" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	980.36	152.99
<i>For Class 52 Rating, Deduct</i>	-82.34	
<i>For Class 54 Rating, Add</i>	56.14	
<i>For Class 55 Rating, Add</i>	124.79	
40 05 19 00-2075 EA 4" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,023.05	155.20
<i>For Class 52 Rating, Deduct</i>	-86.67	
<i>For Class 54 Rating, Add</i>	59.09	
<i>For Class 55 Rating, Add</i>	131.34	
40 05 19 00-2076 EA 4" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,065.74	157.40
<i>For Class 52 Rating, Deduct</i>	-91.00	
<i>For Class 54 Rating, Add</i>	62.04	
<i>For Class 55 Rating, Add</i>	137.90	
40 05 19 00-2077 EA 4" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,108.44	159.62
<i>For Class 52 Rating, Deduct</i>	-95.33	
<i>For Class 54 Rating, Add</i>	65.00	
<i>For Class 55 Rating, Add</i>	144.46	
40 05 19 00-2078 EA 4" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,151.14	161.83
<i>For Class 52 Rating, Deduct</i>	-99.65	
<i>For Class 54 Rating, Add</i>	67.95	
<i>For Class 55 Rating, Add</i>	151.02	
40 05 19 00-2079 EA 4" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,193.83	164.04
<i>For Class 52 Rating, Deduct</i>	-103.98	
<i>For Class 54 Rating, Add</i>	70.90	
<i>For Class 55 Rating, Add</i>	157.58	
40 05 19 00-2080 EA 4" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,236.52	166.25
<i>For Class 52 Rating, Deduct</i>	-108.31	
<i>For Class 54 Rating, Add</i>	73.85	
<i>For Class 55 Rating, Add</i>	164.14	
40 05 19 00-2081 EA 4" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,279.21	168.46
<i>For Class 52 Rating, Deduct</i>	-112.64	
<i>For Class 54 Rating, Add</i>	76.80	
<i>For Class 55 Rating, Add</i>	170.70	
40 05 19 00-2082 EA 4" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,321.90	170.67
<i>For Class 52 Rating, Deduct</i>	-116.96	
<i>For Class 54 Rating, Add</i>	79.75	
<i>For Class 55 Rating, Add</i>	177.25	
40 05 19 00-2083 EA 4" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,364.60	172.88
<i>For Class 52 Rating, Deduct</i>	-121.29	
<i>For Class 54 Rating, Add</i>	82.70	
<i>For Class 55 Rating, Add</i>	183.81	
40 05 19 00-2084 EA 4" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,407.29	175.10
<i>For Class 52 Rating, Deduct</i>	-125.62	
<i>For Class 54 Rating, Add</i>	85.65	
<i>For Class 55 Rating, Add</i>	190.37	
40 05 19 00-2085 EA 4" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,449.99	177.30
<i>For Class 52 Rating, Deduct</i>	-129.95	
<i>For Class 54 Rating, Add</i>	88.60	
<i>For Class 55 Rating, Add</i>	196.93	
40 05 19 00-2086 EA 4" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,492.68	179.51
<i>For Class 52 Rating, Deduct</i>	-134.28	
<i>For Class 54 Rating, Add</i>	91.55	
<i>For Class 55 Rating, Add</i>	203.49	
40 05 19 00-2087 EA 4" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,535.37	181.73
<i>For Class 52 Rating, Deduct</i>	-138.60	
<i>For Class 54 Rating, Add</i>	94.50	
<i>For Class 55 Rating, Add</i>	210.05	
40 05 19 00-2088 EA 4" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,578.07	183.93
<i>For Class 52 Rating, Deduct</i>	-142.93	
<i>For Class 54 Rating, Add</i>	97.45	
<i>For Class 55 Rating, Add</i>	216.61	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2089	EA		4" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,620.76	186.15
			<i>For Class 52 Rating, Deduct</i>	-147.26	
			<i>For Class 54 Rating, Add</i>	100.40	
			<i>For Class 55 Rating, Add</i>	223.16	
40 05 19 00-2090	EA		4" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,663.45	188.35
			<i>For Class 52 Rating, Deduct</i>	-151.59	
			<i>For Class 54 Rating, Add</i>	103.35	
			<i>For Class 55 Rating, Add</i>	229.72	
40 05 19 00-2091	EA		4" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,706.15	190.57
			<i>For Class 52 Rating, Deduct</i>	-155.92	
			<i>For Class 54 Rating, Add</i>	106.31	
			<i>For Class 55 Rating, Add</i>	236.28	
40 05 19 00-2092	EA		4" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,748.83	192.78
			<i>For Class 52 Rating, Deduct</i>	-160.24	
			<i>For Class 54 Rating, Add</i>	109.26	
			<i>For Class 55 Rating, Add</i>	242.84	
40 05 19 00-2093	EA		4" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,791.53	194.98
			<i>For Class 52 Rating, Deduct</i>	-164.57	
			<i>For Class 54 Rating, Add</i>	112.21	
			<i>For Class 55 Rating, Add</i>	249.40	
40 05 19 00-2094	EA		4" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,834.22	197.20
			<i>For Class 52 Rating, Deduct</i>	-168.90	
			<i>For Class 54 Rating, Add</i>	115.16	
			<i>For Class 55 Rating, Add</i>	255.96	
40 05 19 00-2095	EA		4" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,876.92	199.41
			<i>For Class 52 Rating, Deduct</i>	-173.23	
			<i>For Class 54 Rating, Add</i>	118.11	
			<i>For Class 55 Rating, Add</i>	262.52	
40 05 19 00-2096	EA		4" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,919.62	201.62
			<i>For Class 52 Rating, Deduct</i>	-177.55	
			<i>For Class 54 Rating, Add</i>	121.06	
			<i>For Class 55 Rating, Add</i>	269.08	
40 05 19 00-2097	EA		4" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,962.31	203.83
			<i>For Class 52 Rating, Deduct</i>	-181.88	
			<i>For Class 54 Rating, Add</i>	124.01	
			<i>For Class 55 Rating, Add</i>	275.63	
40 05 19 00-2098	EA		4" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,005.00	206.04
			<i>For Class 52 Rating, Deduct</i>	-186.21	
			<i>For Class 54 Rating, Add</i>	126.96	
			<i>For Class 55 Rating, Add</i>	282.19	
40 05 19 00-2099	EA		4" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,047.69	208.25
			<i>For Class 52 Rating, Deduct</i>	-190.54	
			<i>For Class 54 Rating, Add</i>	129.91	
			<i>For Class 55 Rating, Add</i>	288.75	
40 05 19 00-2100	EA		4" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,090.38	210.46
			<i>For Class 52 Rating, Deduct</i>	-194.87	
			<i>For Class 54 Rating, Add</i>	132.86	
			<i>For Class 55 Rating, Add</i>	295.31	
40 05 19 00-2101			<b>6" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-2090)</small>		
40 05 19 00-2102	EA		6" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	585.95	159.18
			<i>For Class 52 Rating, Deduct</i>	-37.92	
			<i>For Class 54 Rating, Add</i>	25.86	
			<i>For Class 55 Rating, Add</i>	57.47	
40 05 19 00-2103	EA		6" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	634.85	161.38
			<i>For Class 52 Rating, Deduct</i>	-42.94	
			<i>For Class 54 Rating, Add</i>	29.27	
			<i>For Class 55 Rating, Add</i>	65.07	
40 05 19 00-2104	EA		6" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	683.76	163.60
			<i>For Class 52 Rating, Deduct</i>	-47.95	
			<i>For Class 54 Rating, Add</i>	32.69	
			<i>For Class 55 Rating, Add</i>	72.66	
40 05 19 00-2105	EA		6" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	732.66	165.81
			<i>For Class 52 Rating, Deduct</i>	-52.96	
			<i>For Class 54 Rating, Add</i>	36.11	
			<i>For Class 55 Rating, Add</i>	80.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2106 EA 6" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	781.57	168.02
<i>For Class 52 Rating, Deduct</i>	-57.97	
<i>For Class 54 Rating, Add</i>	39.53	
<i>For Class 55 Rating, Add</i>	87.85	
40 05 19 00-2107 EA 6" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	830.47	170.23
<i>For Class 52 Rating, Deduct</i>	-62.98	
<i>For Class 54 Rating, Add</i>	42.94	
<i>For Class 55 Rating, Add</i>	95.44	
40 05 19 00-2108 EA 6" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	879.39	172.44
<i>For Class 52 Rating, Deduct</i>	-67.99	
<i>For Class 54 Rating, Add</i>	46.36	
<i>For Class 55 Rating, Add</i>	103.04	
40 05 19 00-2109 EA 6" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	928.29	174.65
<i>For Class 52 Rating, Deduct</i>	-73.00	
<i>For Class 54 Rating, Add</i>	49.78	
<i>For Class 55 Rating, Add</i>	110.63	
40 05 19 00-2110 EA 6" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	977.19	176.86
<i>For Class 52 Rating, Deduct</i>	-78.01	
<i>For Class 54 Rating, Add</i>	53.19	
<i>For Class 55 Rating, Add</i>	118.23	
40 05 19 00-2111 EA 6" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,026.10	179.08
<i>For Class 52 Rating, Deduct</i>	-83.03	
<i>For Class 54 Rating, Add</i>	56.61	
<i>For Class 55 Rating, Add</i>	125.82	
40 05 19 00-2112 EA 6" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,075.00	181.28
<i>For Class 52 Rating, Deduct</i>	-88.04	
<i>For Class 54 Rating, Add</i>	60.02	
<i>For Class 55 Rating, Add</i>	133.42	
40 05 19 00-2113 EA 6" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,123.91	183.49
<i>For Class 52 Rating, Deduct</i>	-93.05	
<i>For Class 54 Rating, Add</i>	63.44	
<i>For Class 55 Rating, Add</i>	141.01	
40 05 19 00-2114 EA 6" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,172.81	185.71
<i>For Class 52 Rating, Deduct</i>	-98.06	
<i>For Class 54 Rating, Add</i>	66.86	
<i>For Class 55 Rating, Add</i>	148.60	
40 05 19 00-2115 EA 6" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,221.71	187.91
<i>For Class 52 Rating, Deduct</i>	-103.07	
<i>For Class 54 Rating, Add</i>	70.28	
<i>For Class 55 Rating, Add</i>	156.20	
40 05 19 00-2116 EA 6" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,270.63	190.13
<i>For Class 52 Rating, Deduct</i>	-108.08	
<i>For Class 54 Rating, Add</i>	73.69	
<i>For Class 55 Rating, Add</i>	163.79	
40 05 19 00-2117 EA 6" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,319.53	192.33
<i>For Class 52 Rating, Deduct</i>	-113.09	
<i>For Class 54 Rating, Add</i>	77.11	
<i>For Class 55 Rating, Add</i>	171.39	
40 05 19 00-2118 EA 6" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,368.44	194.54
<i>For Class 52 Rating, Deduct</i>	-118.10	
<i>For Class 54 Rating, Add</i>	80.53	
<i>For Class 55 Rating, Add</i>	178.98	
40 05 19 00-2119 EA 6" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,417.34	196.76
<i>For Class 52 Rating, Deduct</i>	-123.11	
<i>For Class 54 Rating, Add</i>	83.94	
<i>For Class 55 Rating, Add</i>	186.57	
40 05 19 00-2120 EA 6" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,466.25	198.96
<i>For Class 52 Rating, Deduct</i>	-128.13	
<i>For Class 54 Rating, Add</i>	87.36	
<i>For Class 55 Rating, Add</i>	194.17	
40 05 19 00-2121 EA 6" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,515.16	201.18
<i>For Class 52 Rating, Deduct</i>	-133.14	
<i>For Class 54 Rating, Add</i>	90.78	
<i>For Class 55 Rating, Add</i>	201.76	
40 05 19 00-2122 EA 6" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,564.05	203.39
<i>For Class 52 Rating, Deduct</i>	-138.15	
<i>For Class 54 Rating, Add</i>	94.19	
<i>For Class 55 Rating, Add</i>	209.36	



## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2123	EA		6" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,612.96	205.60
			For Class 52 Rating, Deduct	-143.16	
			For Class 54 Rating, Add	97.61	
			For Class 55 Rating, Add	216.95	
40 05 19 00-2124	EA		6" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,661.86	207.81
			For Class 52 Rating, Deduct	-148.17	
			For Class 54 Rating, Add	101.03	
			For Class 55 Rating, Add	224.54	
40 05 19 00-2125	EA		6" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,710.78	210.02
			For Class 52 Rating, Deduct	-153.18	
			For Class 54 Rating, Add	104.44	
			For Class 55 Rating, Add	232.14	
40 05 19 00-2126	EA		6" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,759.69	212.23
			For Class 52 Rating, Deduct	-158.19	
			For Class 54 Rating, Add	107.86	
			For Class 55 Rating, Add	239.73	
40 05 19 00-2127	EA		6" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,808.59	214.44
			For Class 52 Rating, Deduct	-163.20	
			For Class 54 Rating, Add	111.28	
			For Class 55 Rating, Add	247.33	
40 05 19 00-2128	EA		6" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,857.49	216.66
			For Class 52 Rating, Deduct	-168.22	
			For Class 54 Rating, Add	114.69	
			For Class 55 Rating, Add	254.92	
40 05 19 00-2129	EA		6" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,906.39	218.86
			For Class 52 Rating, Deduct	-173.23	
			For Class 54 Rating, Add	118.11	
			For Class 55 Rating, Add	262.52	
40 05 19 00-2130	EA		6" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,955.30	221.07
			For Class 52 Rating, Deduct	-178.24	
			For Class 54 Rating, Add	121.53	
			For Class 55 Rating, Add	270.11	
40 05 19 00-2131	EA		6" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,004.20	223.29
			For Class 52 Rating, Deduct	-183.25	
			For Class 54 Rating, Add	124.94	
			For Class 55 Rating, Add	277.70	
40 05 19 00-2132	EA		6" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,053.11	225.49
			For Class 52 Rating, Deduct	-188.26	
			For Class 54 Rating, Add	128.36	
			For Class 55 Rating, Add	285.30	
40 05 19 00-2133	EA		6" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,102.03	227.71
			For Class 52 Rating, Deduct	-193.27	
			For Class 54 Rating, Add	131.78	
			For Class 55 Rating, Add	292.89	
40 05 19 00-2134	EA		6" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,150.92	229.92
			For Class 52 Rating, Deduct	-198.28	
			For Class 54 Rating, Add	135.19	
			For Class 55 Rating, Add	300.49	
40 05 19 00-2135	EA		6" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,199.83	232.13
			For Class 52 Rating, Deduct	-203.29	
			For Class 54 Rating, Add	138.61	
			For Class 55 Rating, Add	308.08	
40 05 19 00-2136	EA		6" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,248.73	234.34
			For Class 52 Rating, Deduct	-208.30	
			For Class 54 Rating, Add	142.03	
			For Class 55 Rating, Add	315.67	
40 05 19 00-2137	EA		6" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,297.64	236.55
			For Class 52 Rating, Deduct	-213.32	
			For Class 54 Rating, Add	145.44	
			For Class 55 Rating, Add	323.27	
40 05 19 00-2138	EA		6" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,346.55	238.76
			For Class 52 Rating, Deduct	-218.33	
			For Class 54 Rating, Add	148.86	
			For Class 55 Rating, Add	330.86	
40 05 19 00-2139	EA		6" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,395.45	240.97
			For Class 52 Rating, Deduct	-223.34	
			For Class 54 Rating, Add	152.28	
			For Class 55 Rating, Add	338.46	



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-2140 EA 6" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,444.35	243.19
For Class 52 Rating, Deduct	-228.35	
For Class 54 Rating, Add	155.69	
For Class 55 Rating, Add	346.05	
<b>40 05 19 00-2141 8" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b>		
(40 05 19 00-2060)		
40 05 19 00-2142 EA 8" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	806.17	203.39
For Class 52 Rating, Deduct	-54.78	
For Class 54 Rating, Add	37.35	
For Class 55 Rating, Add	83.02	
40 05 19 00-2143 EA 8" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	868.53	205.60
For Class 52 Rating, Deduct	-61.27	
For Class 54 Rating, Add	41.78	
For Class 55 Rating, Add	92.86	
40 05 19 00-2144 EA 8" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	930.90	207.81
For Class 52 Rating, Deduct	-67.76	
For Class 54 Rating, Add	46.20	
For Class 55 Rating, Add	102.69	
40 05 19 00-2145 EA 8" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	993.27	210.02
For Class 52 Rating, Deduct	-74.26	
For Class 54 Rating, Add	50.63	
For Class 55 Rating, Add	112.53	
40 05 19 00-2146 EA 8" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,055.64	212.23
For Class 52 Rating, Deduct	-80.75	
For Class 54 Rating, Add	55.06	
For Class 55 Rating, Add	122.37	
40 05 19 00-2147 EA 8" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,118.01	214.44
For Class 52 Rating, Deduct	-87.24	
For Class 54 Rating, Add	59.48	
For Class 55 Rating, Add	132.21	
40 05 19 00-2148 EA 8" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,180.36	216.66
For Class 52 Rating, Deduct	-93.73	
For Class 54 Rating, Add	63.91	
For Class 55 Rating, Add	142.05	
40 05 19 00-2149 EA 8" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,242.73	218.86
For Class 52 Rating, Deduct	-100.22	
For Class 54 Rating, Add	68.33	
For Class 55 Rating, Add	151.88	
40 05 19 00-2150 EA 8" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,305.09	221.07
For Class 52 Rating, Deduct	-106.71	
For Class 54 Rating, Add	72.76	
For Class 55 Rating, Add	161.72	
40 05 19 00-2151 EA 8" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,367.46	223.29
For Class 52 Rating, Deduct	-113.21	
For Class 54 Rating, Add	77.19	
For Class 55 Rating, Add	171.56	
40 05 19 00-2152 EA 8" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,429.82	225.49
For Class 52 Rating, Deduct	-119.70	
For Class 54 Rating, Add	81.61	
For Class 55 Rating, Add	181.40	
40 05 19 00-2153 EA 8" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,492.20	227.71
For Class 52 Rating, Deduct	-126.19	
For Class 54 Rating, Add	86.04	
For Class 55 Rating, Add	191.23	
40 05 19 00-2154 EA 8" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,554.55	229.92
For Class 52 Rating, Deduct	-132.68	
For Class 54 Rating, Add	90.46	
For Class 55 Rating, Add	201.07	
40 05 19 00-2155 EA 8" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,616.92	232.13
For Class 52 Rating, Deduct	-139.17	
For Class 54 Rating, Add	94.89	
For Class 55 Rating, Add	210.91	
40 05 19 00-2156 EA 8" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,679.29	234.34
For Class 52 Rating, Deduct	-145.67	
For Class 54 Rating, Add	99.32	
For Class 55 Rating, Add	220.75	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2157	EA		8" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,741.65	236.55
			For Class 52 Rating, Deduct	-152.16	
			For Class 54 Rating, Add	103.74	
			For Class 55 Rating, Add	230.59	
40 05 19 00-2158	EA		8" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,804.02	238.76
			For Class 52 Rating, Deduct	-158.65	
			For Class 54 Rating, Add	108.17	
			For Class 55 Rating, Add	240.42	
40 05 19 00-2159	EA		8" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,866.38	240.97
			For Class 52 Rating, Deduct	-165.14	
			For Class 54 Rating, Add	112.60	
			For Class 55 Rating, Add	250.26	
40 05 19 00-2160	EA		8" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,928.74	243.19
			For Class 52 Rating, Deduct	-171.63	
			For Class 54 Rating, Add	117.02	
			For Class 55 Rating, Add	260.10	
40 05 19 00-2161	EA		8" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,991.11	245.39
			For Class 52 Rating, Deduct	-178.12	
			For Class 54 Rating, Add	121.45	
			For Class 55 Rating, Add	269.94	
40 05 19 00-2162	EA		8" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,053.48	247.60
			For Class 52 Rating, Deduct	-184.62	
			For Class 54 Rating, Add	125.87	
			For Class 55 Rating, Add	279.78	
40 05 19 00-2163	EA		8" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,115.84	249.82
			For Class 52 Rating, Deduct	-191.11	
			For Class 54 Rating, Add	130.30	
			For Class 55 Rating, Add	289.61	
40 05 19 00-2164	EA		8" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,178.21	252.02
			For Class 52 Rating, Deduct	-197.60	
			For Class 54 Rating, Add	134.73	
			For Class 55 Rating, Add	299.45	
40 05 19 00-2165	EA		8" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,240.58	254.24
			For Class 52 Rating, Deduct	-204.09	
			For Class 54 Rating, Add	139.15	
			For Class 55 Rating, Add	309.29	
40 05 19 00-2166	EA		8" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,302.94	256.45
			For Class 52 Rating, Deduct	-210.58	
			For Class 54 Rating, Add	143.58	
			For Class 55 Rating, Add	319.13	
40 05 19 00-2167	EA		8" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,365.30	258.66
			For Class 52 Rating, Deduct	-217.07	
			For Class 54 Rating, Add	148.01	
			For Class 55 Rating, Add	328.97	
40 05 19 00-2168	EA		8" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,427.66	260.87
			For Class 52 Rating, Deduct	-223.57	
			For Class 54 Rating, Add	152.43	
			For Class 55 Rating, Add	338.80	
40 05 19 00-2169	EA		8" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,490.04	263.08
			For Class 52 Rating, Deduct	-230.06	
			For Class 54 Rating, Add	156.86	
			For Class 55 Rating, Add	348.64	
40 05 19 00-2170	EA		8" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,552.40	265.29
			For Class 52 Rating, Deduct	-236.55	
			For Class 54 Rating, Add	161.28	
			For Class 55 Rating, Add	358.48	
40 05 19 00-2171	EA		8" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,614.77	267.50
			For Class 52 Rating, Deduct	-243.04	
			For Class 54 Rating, Add	165.71	
			For Class 55 Rating, Add	368.32	
40 05 19 00-2172	EA		8" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,677.13	269.72
			For Class 52 Rating, Deduct	-249.53	
			For Class 54 Rating, Add	170.14	
			For Class 55 Rating, Add	378.15	
40 05 19 00-2173	EA		8" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,739.49	271.92
			For Class 52 Rating, Deduct	-256.02	
			For Class 54 Rating, Add	174.56	
			For Class 55 Rating, Add	387.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2174 EA 8" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,801.85	274.13
<i>For Class 52 Rating, Deduct</i>	-262.52	
<i>For Class 54 Rating, Add</i>	178.99	
<i>For Class 55 Rating, Add</i>	397.83	
40 05 19 00-2175 EA 8" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,864.22	276.35
<i>For Class 52 Rating, Deduct</i>	-269.01	
<i>For Class 54 Rating, Add</i>	183.41	
<i>For Class 55 Rating, Add</i>	407.67	
40 05 19 00-2176 EA 8" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,926.59	278.55
<i>For Class 52 Rating, Deduct</i>	-275.50	
<i>For Class 54 Rating, Add</i>	187.84	
<i>For Class 55 Rating, Add</i>	417.51	
40 05 19 00-2177 EA 8" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,988.96	280.77
<i>For Class 52 Rating, Deduct</i>	-281.99	
<i>For Class 54 Rating, Add</i>	192.27	
<i>For Class 55 Rating, Add</i>	427.34	
40 05 19 00-2178 EA 8" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,051.33	282.98
<i>For Class 52 Rating, Deduct</i>	-288.48	
<i>For Class 54 Rating, Add</i>	196.69	
<i>For Class 55 Rating, Add</i>	437.18	
40 05 19 00-2179 EA 8" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,113.68	285.19
<i>For Class 52 Rating, Deduct</i>	-294.97	
<i>For Class 54 Rating, Add</i>	201.12	
<i>For Class 55 Rating, Add</i>	447.02	
40 05 19 00-2180 EA 8" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,176.05	287.40
<i>For Class 52 Rating, Deduct</i>	-301.47	
<i>For Class 54 Rating, Add</i>	205.55	
<i>For Class 55 Rating, Add</i>	456.86	
<b>40 05 19 00-2181 10" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-2060)</small>		
40 05 19 00-2182 EA 10" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,012.94	247.60
<i>For Class 52 Rating, Deduct</i>	-70.16	
<i>For Class 54 Rating, Add</i>	47.83	
<i>For Class 55 Rating, Add</i>	106.32	
40 05 19 00-2183 EA 10" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,092.91	249.82
<i>For Class 52 Rating, Deduct</i>	-78.58	
<i>For Class 54 Rating, Add</i>	53.58	
<i>For Class 55 Rating, Add</i>	119.09	
40 05 19 00-2184 EA 10" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,172.88	252.02
<i>For Class 52 Rating, Deduct</i>	-87.01	
<i>For Class 54 Rating, Add</i>	59.33	
<i>For Class 55 Rating, Add</i>	131.86	
40 05 19 00-2185 EA 10" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,252.84	254.24
<i>For Class 52 Rating, Deduct</i>	-95.44	
<i>For Class 54 Rating, Add</i>	65.07	
<i>For Class 55 Rating, Add</i>	144.63	
40 05 19 00-2186 EA 10" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,332.81	256.45
<i>For Class 52 Rating, Deduct</i>	-103.87	
<i>For Class 54 Rating, Add</i>	70.82	
<i>For Class 55 Rating, Add</i>	157.41	
40 05 19 00-2187 EA 10" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,412.76	258.66
<i>For Class 52 Rating, Deduct</i>	-112.29	
<i>For Class 54 Rating, Add</i>	76.56	
<i>For Class 55 Rating, Add</i>	170.18	
40 05 19 00-2188 EA 10" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,492.73	260.87
<i>For Class 52 Rating, Deduct</i>	-120.72	
<i>For Class 54 Rating, Add</i>	82.31	
<i>For Class 55 Rating, Add</i>	182.95	
40 05 19 00-2189 EA 10" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,572.71	263.08
<i>For Class 52 Rating, Deduct</i>	-129.15	
<i>For Class 54 Rating, Add</i>	88.06	
<i>For Class 55 Rating, Add</i>	195.72	
40 05 19 00-2190 EA 10" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,652.67	265.29
<i>For Class 52 Rating, Deduct</i>	-137.58	
<i>For Class 54 Rating, Add</i>	93.80	
<i>For Class 55 Rating, Add</i>	208.49	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2191	EA		10" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,732.64	267.50
			<i>For Class 52 Rating, Deduct</i>	-146.01	
			<i>For Class 54 Rating, Add</i>	99.55	
			<i>For Class 55 Rating, Add</i>	221.27	
40 05 19 00-2192	EA		10" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,812.61	269.72
			<i>For Class 52 Rating, Deduct</i>	-154.43	
			<i>For Class 54 Rating, Add</i>	105.30	
			<i>For Class 55 Rating, Add</i>	234.04	
40 05 19 00-2193	EA		10" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,892.56	271.92
			<i>For Class 52 Rating, Deduct</i>	-162.86	
			<i>For Class 54 Rating, Add</i>	111.04	
			<i>For Class 55 Rating, Add</i>	246.81	
40 05 19 00-2194	EA		10" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,972.53	274.13
			<i>For Class 52 Rating, Deduct</i>	-171.29	
			<i>For Class 54 Rating, Add</i>	116.79	
			<i>For Class 55 Rating, Add</i>	259.58	
40 05 19 00-2195	EA		10" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,052.50	276.35
			<i>For Class 52 Rating, Deduct</i>	-179.72	
			<i>For Class 54 Rating, Add</i>	122.54	
			<i>For Class 55 Rating, Add</i>	272.35	
40 05 19 00-2196	EA		10" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,132.46	278.55
			<i>For Class 52 Rating, Deduct</i>	-188.15	
			<i>For Class 54 Rating, Add</i>	128.28	
			<i>For Class 55 Rating, Add</i>	285.13	
40 05 19 00-2197	EA		10" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,212.44	280.77
			<i>For Class 52 Rating, Deduct</i>	-196.57	
			<i>For Class 54 Rating, Add</i>	134.03	
			<i>For Class 55 Rating, Add</i>	297.90	
40 05 19 00-2198	EA		10" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,292.41	282.98
			<i>For Class 52 Rating, Deduct</i>	-205.00	
			<i>For Class 54 Rating, Add</i>	139.77	
			<i>For Class 55 Rating, Add</i>	310.67	
40 05 19 00-2199	EA		10" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,372.36	285.19
			<i>For Class 52 Rating, Deduct</i>	-213.43	
			<i>For Class 54 Rating, Add</i>	145.52	
			<i>For Class 55 Rating, Add</i>	323.44	
40 05 19 00-2200	EA		10" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,452.33	287.40
			<i>For Class 52 Rating, Deduct</i>	-221.86	
			<i>For Class 54 Rating, Add</i>	151.27	
			<i>For Class 55 Rating, Add</i>	336.21	
40 05 19 00-2201	EA		10" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,532.30	289.61
			<i>For Class 52 Rating, Deduct</i>	-230.29	
			<i>For Class 54 Rating, Add</i>	157.01	
			<i>For Class 55 Rating, Add</i>	348.99	
40 05 19 00-2202	EA		10" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,612.26	291.82
			<i>For Class 52 Rating, Deduct</i>	-238.71	
			<i>For Class 54 Rating, Add</i>	162.76	
			<i>For Class 55 Rating, Add</i>	361.76	
40 05 19 00-2203	EA		10" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,692.23	294.03
			<i>For Class 52 Rating, Deduct</i>	-247.14	
			<i>For Class 54 Rating, Add</i>	168.50	
			<i>For Class 55 Rating, Add</i>	374.53	
40 05 19 00-2204	EA		10" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,772.20	296.25
			<i>For Class 52 Rating, Deduct</i>	-255.57	
			<i>For Class 54 Rating, Add</i>	174.25	
			<i>For Class 55 Rating, Add</i>	387.30	
40 05 19 00-2205	EA		10" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,852.16	298.45
			<i>For Class 52 Rating, Deduct</i>	-264.00	
			<i>For Class 54 Rating, Add</i>	180.00	
			<i>For Class 55 Rating, Add</i>	400.07	
40 05 19 00-2206	EA		10" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,932.13	300.66
			<i>For Class 52 Rating, Deduct</i>	-272.42	
			<i>For Class 54 Rating, Add</i>	185.74	
			<i>For Class 55 Rating, Add</i>	412.85	
40 05 19 00-2207	EA		10" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,012.10	302.88
			<i>For Class 52 Rating, Deduct</i>	-280.85	
			<i>For Class 54 Rating, Add</i>	191.49	
			<i>For Class 55 Rating, Add</i>	425.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2208 EA 10" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,092.06	305.08
<i>For Class 52 Rating, Deduct</i>	-289.28	
<i>For Class 54 Rating, Add</i>	197.24	
<i>For Class 55 Rating, Add</i>	438.39	
40 05 19 00-2209 EA 10" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,172.03	307.30
<i>For Class 52 Rating, Deduct</i>	-297.71	
<i>For Class 54 Rating, Add</i>	202.98	
<i>For Class 55 Rating, Add</i>	451.16	
40 05 19 00-2210 EA 10" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,252.00	309.50
<i>For Class 52 Rating, Deduct</i>	-306.14	
<i>For Class 54 Rating, Add</i>	208.73	
<i>For Class 55 Rating, Add</i>	463.93	
40 05 19 00-2211 EA 10" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,331.96	311.71
<i>For Class 52 Rating, Deduct</i>	-314.56	
<i>For Class 54 Rating, Add</i>	214.47	
<i>For Class 55 Rating, Add</i>	476.71	
40 05 19 00-2212 EA 10" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,411.92	313.93
<i>For Class 52 Rating, Deduct</i>	-322.99	
<i>For Class 54 Rating, Add</i>	220.22	
<i>For Class 55 Rating, Add</i>	489.48	
40 05 19 00-2213 EA 10" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,491.89	316.13
<i>For Class 52 Rating, Deduct</i>	-331.42	
<i>For Class 54 Rating, Add</i>	225.97	
<i>For Class 55 Rating, Add</i>	502.25	
40 05 19 00-2214 EA 10" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,571.86	318.35
<i>For Class 52 Rating, Deduct</i>	-339.85	
<i>For Class 54 Rating, Add</i>	231.71	
<i>For Class 55 Rating, Add</i>	515.02	
40 05 19 00-2215 EA 10" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,651.83	320.56
<i>For Class 52 Rating, Deduct</i>	-348.27	
<i>For Class 54 Rating, Add</i>	237.46	
<i>For Class 55 Rating, Add</i>	527.79	
40 05 19 00-2216 EA 10" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,731.80	322.77
<i>For Class 52 Rating, Deduct</i>	-356.70	
<i>For Class 54 Rating, Add</i>	243.21	
<i>For Class 55 Rating, Add</i>	540.57	
40 05 19 00-2217 EA 10" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,811.76	324.98
<i>For Class 52 Rating, Deduct</i>	-365.13	
<i>For Class 54 Rating, Add</i>	248.95	
<i>For Class 55 Rating, Add</i>	553.34	
40 05 19 00-2218 EA 10" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,891.72	327.19
<i>For Class 52 Rating, Deduct</i>	-373.56	
<i>For Class 54 Rating, Add</i>	254.70	
<i>For Class 55 Rating, Add</i>	566.11	
40 05 19 00-2219 EA 10" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,971.69	329.40
<i>For Class 52 Rating, Deduct</i>	-381.99	
<i>For Class 54 Rating, Add</i>	260.45	
<i>For Class 55 Rating, Add</i>	578.88	
40 05 19 00-2220 EA 10" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,051.65	331.61
<i>For Class 52 Rating, Deduct</i>	-390.41	
<i>For Class 54 Rating, Add</i>	266.19	
<i>For Class 55 Rating, Add</i>	591.65	
<b>40 05 19 00-2221 12" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b>		
<small>(40 05 19 00-2060)</small>		
40 05 19 00-2222 EA 12" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,317.95	309.50
<i>For Class 52 Rating, Deduct</i>	-93.39	
<i>For Class 54 Rating, Add</i>	63.68	
<i>For Class 55 Rating, Add</i>	141.53	
40 05 19 00-2223 EA 12" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,416.55	311.71
<i>For Class 52 Rating, Deduct</i>	-103.87	
<i>For Class 54 Rating, Add</i>	70.82	
<i>For Class 55 Rating, Add</i>	157.41	
40 05 19 00-2224 EA 12" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,515.14	313.93
<i>For Class 52 Rating, Deduct</i>	-114.35	
<i>For Class 54 Rating, Add</i>	77.96	
<i>For Class 55 Rating, Add</i>	173.28	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2225	EA		12" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,613.74	316.13
			For Class 52 Rating, Deduct	-124.82	
			For Class 54 Rating, Add	85.11	
			For Class 55 Rating, Add	189.16	
40 05 19 00-2226	EA		12" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,712.36	318.35
			For Class 52 Rating, Deduct	-135.30	
			For Class 54 Rating, Add	92.25	
			For Class 55 Rating, Add	205.04	
40 05 19 00-2227	EA		12" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,810.96	320.56
			For Class 52 Rating, Deduct	-145.78	
			For Class 54 Rating, Add	99.39	
			For Class 55 Rating, Add	220.92	
40 05 19 00-2228	EA		12" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,909.56	322.77
			For Class 52 Rating, Deduct	-156.26	
			For Class 54 Rating, Add	106.54	
			For Class 55 Rating, Add	236.80	
40 05 19 00-2229	EA		12" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,008.17	324.98
			For Class 52 Rating, Deduct	-166.73	
			For Class 54 Rating, Add	113.68	
			For Class 55 Rating, Add	252.68	
40 05 19 00-2230	EA		12" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,106.76	327.19
			For Class 52 Rating, Deduct	-177.21	
			For Class 54 Rating, Add	120.83	
			For Class 55 Rating, Add	268.56	
40 05 19 00-2231	EA		12" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,205.36	329.40
			For Class 52 Rating, Deduct	-187.69	
			For Class 54 Rating, Add	127.97	
			For Class 55 Rating, Add	284.44	
40 05 19 00-2232	EA		12" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,303.97	331.61
			For Class 52 Rating, Deduct	-198.17	
			For Class 54 Rating, Add	135.11	
			For Class 55 Rating, Add	300.32	
40 05 19 00-2233	EA		12" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,402.57	333.83
			For Class 52 Rating, Deduct	-208.65	
			For Class 54 Rating, Add	142.26	
			For Class 55 Rating, Add	316.19	
40 05 19 00-2234	EA		12" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,501.18	336.03
			For Class 52 Rating, Deduct	-219.12	
			For Class 54 Rating, Add	149.40	
			For Class 55 Rating, Add	332.07	
40 05 19 00-2235	EA		12" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,599.79	338.24
			For Class 52 Rating, Deduct	-229.60	
			For Class 54 Rating, Add	156.55	
			For Class 55 Rating, Add	347.95	
40 05 19 00-2236	EA		12" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,698.38	340.46
			For Class 52 Rating, Deduct	-240.08	
			For Class 54 Rating, Add	163.69	
			For Class 55 Rating, Add	363.83	
40 05 19 00-2237	EA		12" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,796.98	342.66
			For Class 52 Rating, Deduct	-250.56	
			For Class 54 Rating, Add	170.83	
			For Class 55 Rating, Add	379.71	
40 05 19 00-2238	EA		12" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,895.59	344.88
			For Class 52 Rating, Deduct	-261.04	
			For Class 54 Rating, Add	177.98	
			For Class 55 Rating, Add	395.59	
40 05 19 00-2239	EA		12" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,994.19	347.09
			For Class 52 Rating, Deduct	-271.51	
			For Class 54 Rating, Add	185.12	
			For Class 55 Rating, Add	411.47	
40 05 19 00-2240	EA		12" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,092.79	349.30
			For Class 52 Rating, Deduct	-281.99	
			For Class 54 Rating, Add	192.27	
			For Class 55 Rating, Add	427.34	
40 05 19 00-2241	EA		12" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,191.39	351.51
			For Class 52 Rating, Deduct	-292.47	
			For Class 54 Rating, Add	199.41	
			For Class 55 Rating, Add	443.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2242 EA 12" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,290.00	353.72
<i>For Class 52 Rating, Deduct</i>	-302.95	
<i>For Class 54 Rating, Add</i>	206.55	
<i>For Class 55 Rating, Add</i>	459.10	
40 05 19 00-2243 EA 12" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,388.60	355.93
<i>For Class 52 Rating, Deduct</i>	-313.42	
<i>For Class 54 Rating, Add</i>	213.70	
<i>For Class 55 Rating, Add</i>	474.98	
40 05 19 00-2244 EA 12" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,487.20	358.14
<i>For Class 52 Rating, Deduct</i>	-323.90	
<i>For Class 54 Rating, Add</i>	220.84	
<i>For Class 55 Rating, Add</i>	490.86	
40 05 19 00-2245 EA 12" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,585.81	360.36
<i>For Class 52 Rating, Deduct</i>	-334.38	
<i>For Class 54 Rating, Add</i>	227.99	
<i>For Class 55 Rating, Add</i>	506.74	
40 05 19 00-2246 EA 12" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,683.37	362.56
<i>For Class 52 Rating, Deduct</i>	-344.74	
<i>For Class 54 Rating, Add</i>	235.05	
<i>For Class 55 Rating, Add</i>	522.44	
40 05 19 00-2247 EA 12" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,783.01	364.77
<i>For Class 52 Rating, Deduct</i>	-355.34	
<i>For Class 54 Rating, Add</i>	242.27	
<i>For Class 55 Rating, Add</i>	538.49	
40 05 19 00-2248 EA 12" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,881.62	366.99
<i>For Class 52 Rating, Deduct</i>	-365.81	
<i>For Class 54 Rating, Add</i>	249.42	
<i>For Class 55 Rating, Add</i>	554.37	
40 05 19 00-2249 EA 12" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,980.21	369.19
<i>For Class 52 Rating, Deduct</i>	-376.29	
<i>For Class 54 Rating, Add</i>	256.56	
<i>For Class 55 Rating, Add</i>	570.25	
40 05 19 00-2250 EA 12" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,078.82	371.41
<i>For Class 52 Rating, Deduct</i>	-386.77	
<i>For Class 54 Rating, Add</i>	263.71	
<i>For Class 55 Rating, Add</i>	586.13	
40 05 19 00-2251 EA 12" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,177.43	373.62
<i>For Class 52 Rating, Deduct</i>	-397.25	
<i>For Class 54 Rating, Add</i>	270.85	
<i>For Class 55 Rating, Add</i>	602.01	
40 05 19 00-2252 EA 12" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,276.03	375.83
<i>For Class 52 Rating, Deduct</i>	-407.72	
<i>For Class 54 Rating, Add</i>	277.99	
<i>For Class 55 Rating, Add</i>	617.89	
40 05 19 00-2253 EA 12" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,374.63	378.04
<i>For Class 52 Rating, Deduct</i>	-418.20	
<i>For Class 54 Rating, Add</i>	285.14	
<i>For Class 55 Rating, Add</i>	633.77	
40 05 19 00-2254 EA 12" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,473.24	380.25
<i>For Class 52 Rating, Deduct</i>	-428.68	
<i>For Class 54 Rating, Add</i>	292.28	
<i>For Class 55 Rating, Add</i>	649.65	
40 05 19 00-2255 EA 12" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,571.83	382.46
<i>For Class 52 Rating, Deduct</i>	-439.16	
<i>For Class 54 Rating, Add</i>	299.43	
<i>For Class 55 Rating, Add</i>	665.52	
40 05 19 00-2256 EA 12" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,670.43	384.67
<i>For Class 52 Rating, Deduct</i>	-449.64	
<i>For Class 54 Rating, Add</i>	306.57	
<i>For Class 55 Rating, Add</i>	681.40	
40 05 19 00-2257 EA 12" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,769.03	386.89
<i>For Class 52 Rating, Deduct</i>	-460.11	
<i>For Class 54 Rating, Add</i>	313.71	
<i>For Class 55 Rating, Add</i>	697.28	
40 05 19 00-2258 EA 12" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,867.65	389.09
<i>For Class 52 Rating, Deduct</i>	-470.59	
<i>For Class 54 Rating, Add</i>	320.86	
<i>For Class 55 Rating, Add</i>	713.16	



## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2259	EA		12" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,966.25	391.30
			<i>For Class 52 Rating, Deduct</i>	-481.07	
			<i>For Class 54 Rating, Add</i>	328.00	
			<i>For Class 55 Rating, Add</i>	729.04	
40 05 19 00-2260	EA		12" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,064.85	393.52
			<i>For Class 52 Rating, Deduct</i>	-491.55	
			<i>For Class 54 Rating, Add</i>	335.15	
			<i>For Class 55 Rating, Add</i>	744.92	
40 05 19 00-2261			14" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2060)		
40 05 19 00-2262	EA		14" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,744.09	371.41
			<i>For Class 52 Rating, Deduct</i>	-129.95	
			<i>For Class 54 Rating, Add</i>	88.60	
			<i>For Class 55 Rating, Add</i>	196.93	
40 05 19 00-2263	EA		14" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,863.40	373.62
			<i>For Class 52 Rating, Deduct</i>	-142.70	
			<i>For Class 54 Rating, Add</i>	97.30	
			<i>For Class 55 Rating, Add</i>	216.26	
40 05 19 00-2264	EA		14" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,982.71	375.83
			<i>For Class 52 Rating, Deduct</i>	-155.46	
			<i>For Class 54 Rating, Add</i>	106.00	
			<i>For Class 55 Rating, Add</i>	235.59	
40 05 19 00-2265	EA		14" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,102.02	378.04
			<i>For Class 52 Rating, Deduct</i>	-168.22	
			<i>For Class 54 Rating, Add</i>	114.69	
			<i>For Class 55 Rating, Add</i>	254.92	
40 05 19 00-2266	EA		14" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,221.33	380.25
			<i>For Class 52 Rating, Deduct</i>	-180.97	
			<i>For Class 54 Rating, Add</i>	123.39	
			<i>For Class 55 Rating, Add</i>	274.25	
40 05 19 00-2267	EA		14" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,340.63	382.46
			<i>For Class 52 Rating, Deduct</i>	-193.73	
			<i>For Class 54 Rating, Add</i>	132.09	
			<i>For Class 55 Rating, Add</i>	293.58	
40 05 19 00-2268	EA		14" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,459.94	384.67
			<i>For Class 52 Rating, Deduct</i>	-206.48	
			<i>For Class 54 Rating, Add</i>	140.78	
			<i>For Class 55 Rating, Add</i>	312.91	
40 05 19 00-2269	EA		14" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,579.25	386.89
			<i>For Class 52 Rating, Deduct</i>	-219.24	
			<i>For Class 54 Rating, Add</i>	149.48	
			<i>For Class 55 Rating, Add</i>	332.24	
40 05 19 00-2270	EA		14" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,698.57	389.09
			<i>For Class 52 Rating, Deduct</i>	-231.99	
			<i>For Class 54 Rating, Add</i>	158.18	
			<i>For Class 55 Rating, Add</i>	351.58	
40 05 19 00-2271	EA		14" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,817.88	391.30
			<i>For Class 52 Rating, Deduct</i>	-244.75	
			<i>For Class 54 Rating, Add</i>	166.87	
			<i>For Class 55 Rating, Add</i>	370.91	
40 05 19 00-2272	EA		14" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,937.19	393.52
			<i>For Class 52 Rating, Deduct</i>	-257.50	
			<i>For Class 54 Rating, Add</i>	175.57	
			<i>For Class 55 Rating, Add</i>	390.24	
40 05 19 00-2273	EA		14" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	3,056.49	395.72
			<i>For Class 52 Rating, Deduct</i>	-270.26	
			<i>For Class 54 Rating, Add</i>	184.27	
			<i>For Class 55 Rating, Add</i>	409.57	
40 05 19 00-2274	EA		14" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	3,175.80	397.94
			<i>For Class 52 Rating, Deduct</i>	-283.02	
			<i>For Class 54 Rating, Add</i>	192.97	
			<i>For Class 55 Rating, Add</i>	428.90	
40 05 19 00-2275	EA		14" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	3,295.11	400.15
			<i>For Class 52 Rating, Deduct</i>	-295.77	
			<i>For Class 54 Rating, Add</i>	201.66	
			<i>For Class 55 Rating, Add</i>	448.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2276 EA 14" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,414.42	402.35
<i>For Class 52 Rating, Deduct</i>	-308.53	
<i>For Class 54 Rating, Add</i>	210.36	
<i>For Class 55 Rating, Add</i>	467.56	
40 05 19 00-2277 EA 14" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,533.73	404.57
<i>For Class 52 Rating, Deduct</i>	-321.28	
<i>For Class 54 Rating, Add</i>	219.06	
<i>For Class 55 Rating, Add</i>	486.89	
40 05 19 00-2278 EA 14" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,653.04	406.78
<i>For Class 52 Rating, Deduct</i>	-334.04	
<i>For Class 54 Rating, Add</i>	227.75	
<i>For Class 55 Rating, Add</i>	506.22	
40 05 19 00-2279 EA 14" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,772.36	408.99
<i>For Class 52 Rating, Deduct</i>	-346.79	
<i>For Class 54 Rating, Add</i>	236.45	
<i>For Class 55 Rating, Add</i>	525.55	
40 05 19 00-2280 EA 14" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,891.66	411.20
<i>For Class 52 Rating, Deduct</i>	-359.55	
<i>For Class 54 Rating, Add</i>	245.15	
<i>For Class 55 Rating, Add</i>	544.88	
40 05 19 00-2281 EA 14" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,010.97	413.42
<i>For Class 52 Rating, Deduct</i>	-372.30	
<i>For Class 54 Rating, Add</i>	253.84	
<i>For Class 55 Rating, Add</i>	564.21	
40 05 19 00-2282 EA 14" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,130.28	415.62
<i>For Class 52 Rating, Deduct</i>	-385.06	
<i>For Class 54 Rating, Add</i>	262.54	
<i>For Class 55 Rating, Add</i>	583.54	
40 05 19 00-2283 EA 14" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,249.59	417.83
<i>For Class 52 Rating, Deduct</i>	-397.82	
<i>For Class 54 Rating, Add</i>	271.24	
<i>For Class 55 Rating, Add</i>	602.87	
40 05 19 00-2284 EA 14" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,368.90	420.05
<i>For Class 52 Rating, Deduct</i>	-410.57	
<i>For Class 54 Rating, Add</i>	279.94	
<i>For Class 55 Rating, Add</i>	622.20	
40 05 19 00-2285 EA 14" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,488.21	422.25
<i>For Class 52 Rating, Deduct</i>	-423.33	
<i>For Class 54 Rating, Add</i>	288.63	
<i>For Class 55 Rating, Add</i>	641.53	
40 05 19 00-2286 EA 14" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,607.51	424.47
<i>For Class 52 Rating, Deduct</i>	-436.08	
<i>For Class 54 Rating, Add</i>	297.33	
<i>For Class 55 Rating, Add</i>	660.86	
40 05 19 00-2287 EA 14" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,726.83	426.68
<i>For Class 52 Rating, Deduct</i>	-448.84	
<i>For Class 54 Rating, Add</i>	306.03	
<i>For Class 55 Rating, Add</i>	680.19	
40 05 19 00-2288 EA 14" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,846.14	428.88
<i>For Class 52 Rating, Deduct</i>	-461.59	
<i>For Class 54 Rating, Add</i>	314.72	
<i>For Class 55 Rating, Add</i>	699.52	
40 05 19 00-2289 EA 14" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,965.45	431.10
<i>For Class 52 Rating, Deduct</i>	-474.35	
<i>For Class 54 Rating, Add</i>	323.42	
<i>For Class 55 Rating, Add</i>	718.86	
40 05 19 00-2290 EA 14" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,084.76	433.30
<i>For Class 52 Rating, Deduct</i>	-487.11	
<i>For Class 54 Rating, Add</i>	332.12	
<i>For Class 55 Rating, Add</i>	738.19	
40 05 19 00-2291 EA 14" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,204.08	435.52
<i>For Class 52 Rating, Deduct</i>	-499.86	
<i>For Class 54 Rating, Add</i>	340.82	
<i>For Class 55 Rating, Add</i>	757.52	
40 05 19 00-2292 EA 14" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,323.38	437.73
<i>For Class 52 Rating, Deduct</i>	-512.62	
<i>For Class 54 Rating, Add</i>	349.51	
<i>For Class 55 Rating, Add</i>	776.85	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2293	EA		14" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,442.69	439.94
			<i>For Class 52 Rating, Deduct</i>	-525.37	
			<i>For Class 54 Rating, Add</i>	358.21	
			<i>For Class 55 Rating, Add</i>	796.18	
40 05 19 00-2294	EA		14" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,562.00	442.15
			<i>For Class 52 Rating, Deduct</i>	-538.13	
			<i>For Class 54 Rating, Add</i>	366.91	
			<i>For Class 55 Rating, Add</i>	815.51	
40 05 19 00-2295	EA		14" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,681.32	444.36
			<i>For Class 52 Rating, Deduct</i>	-550.88	
			<i>For Class 54 Rating, Add</i>	375.60	
			<i>For Class 55 Rating, Add</i>	834.84	
40 05 19 00-2296	EA		14" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,800.63	446.57
			<i>For Class 52 Rating, Deduct</i>	-563.64	
			<i>For Class 54 Rating, Add</i>	384.30	
			<i>For Class 55 Rating, Add</i>	854.17	
40 05 19 00-2297	EA		14" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,919.94	448.78
			<i>For Class 52 Rating, Deduct</i>	-576.40	
			<i>For Class 54 Rating, Add</i>	393.00	
			<i>For Class 55 Rating, Add</i>	873.50	
40 05 19 00-2298	EA		14" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	6,039.24	451.00
			<i>For Class 52 Rating, Deduct</i>	-589.15	
			<i>For Class 54 Rating, Add</i>	401.69	
			<i>For Class 55 Rating, Add</i>	892.83	
40 05 19 00-2299	EA		14" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	6,158.55	453.20
			<i>For Class 52 Rating, Deduct</i>	-601.91	
			<i>For Class 54 Rating, Add</i>	410.39	
			<i>For Class 55 Rating, Add</i>	912.16	
40 05 19 00-2300			<b>16" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-2060)</small>		
40 05 19 00-2301	EA		16" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,040.86	424.47
			<i>For Class 52 Rating, Deduct</i>	-153.75	
			<i>For Class 54 Rating, Add</i>	104.83	
			<i>For Class 55 Rating, Add</i>	233.00	
40 05 19 00-2302	EA		16" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,178.81	426.68
			<i>For Class 52 Rating, Deduct</i>	-168.56	
			<i>For Class 54 Rating, Add</i>	114.92	
			<i>For Class 55 Rating, Add</i>	255.44	
40 05 19 00-2303	EA		16" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,316.76	428.88
			<i>For Class 52 Rating, Deduct</i>	-183.36	
			<i>For Class 54 Rating, Add</i>	125.02	
			<i>For Class 55 Rating, Add</i>	277.88	
40 05 19 00-2304	EA		16" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,454.71	431.10
			<i>For Class 52 Rating, Deduct</i>	-198.17	
			<i>For Class 54 Rating, Add</i>	135.11	
			<i>For Class 55 Rating, Add</i>	300.32	
40 05 19 00-2305	EA		16" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,592.65	433.30
			<i>For Class 52 Rating, Deduct</i>	-212.97	
			<i>For Class 54 Rating, Add</i>	145.21	
			<i>For Class 55 Rating, Add</i>	322.75	
40 05 19 00-2306	EA		16" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,730.60	435.52
			<i>For Class 52 Rating, Deduct</i>	-227.78	
			<i>For Class 54 Rating, Add</i>	155.30	
			<i>For Class 55 Rating, Add</i>	345.19	
40 05 19 00-2307	EA		16" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,868.54	437.73
			<i>For Class 52 Rating, Deduct</i>	-242.59	
			<i>For Class 54 Rating, Add</i>	165.40	
			<i>For Class 55 Rating, Add</i>	367.63	
40 05 19 00-2308	EA		16" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	3,006.48	439.94
			<i>For Class 52 Rating, Deduct</i>	-257.39	
			<i>For Class 54 Rating, Add</i>	175.49	
			<i>For Class 55 Rating, Add</i>	390.06	
40 05 19 00-2309	EA		16" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	3,144.43	442.15
			<i>For Class 52 Rating, Deduct</i>	-272.20	
			<i>For Class 54 Rating, Add</i>	185.59	
			<i>For Class 55 Rating, Add</i>	412.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2310 EA 16" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,282.39	444.36
<i>For Class 52 Rating, Deduct</i>	-287.00	
<i>For Class 54 Rating, Add</i>	195.68	
<i>For Class 55 Rating, Add</i>	434.94	
40 05 19 00-2311 EA 16" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,420.33	446.57
<i>For Class 52 Rating, Deduct</i>	-301.81	
<i>For Class 54 Rating, Add</i>	205.78	
<i>For Class 55 Rating, Add</i>	457.37	
40 05 19 00-2312 EA 16" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,558.28	448.78
<i>For Class 52 Rating, Deduct</i>	-316.61	
<i>For Class 54 Rating, Add</i>	215.87	
<i>For Class 55 Rating, Add</i>	479.81	
40 05 19 00-2313 EA 16" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,696.22	451.00
<i>For Class 52 Rating, Deduct</i>	-331.42	
<i>For Class 54 Rating, Add</i>	225.97	
<i>For Class 55 Rating, Add</i>	502.25	
40 05 19 00-2314 EA 16" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,834.16	453.20
<i>For Class 52 Rating, Deduct</i>	-346.22	
<i>For Class 54 Rating, Add</i>	236.06	
<i>For Class 55 Rating, Add</i>	524.69	
40 05 19 00-2315 EA 16" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,972.11	455.41
<i>For Class 52 Rating, Deduct</i>	-361.03	
<i>For Class 54 Rating, Add</i>	246.16	
<i>For Class 55 Rating, Add</i>	547.12	
40 05 19 00-2316 EA 16" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,110.06	457.63
<i>For Class 52 Rating, Deduct</i>	-375.84	
<i>For Class 54 Rating, Add</i>	256.25	
<i>For Class 55 Rating, Add</i>	569.56	
40 05 19 00-2317 EA 16" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,248.00	459.83
<i>For Class 52 Rating, Deduct</i>	-390.64	
<i>For Class 54 Rating, Add</i>	266.35	
<i>For Class 55 Rating, Add</i>	592.00	
40 05 19 00-2318 EA 16" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,385.96	462.05
<i>For Class 52 Rating, Deduct</i>	-405.45	
<i>For Class 54 Rating, Add</i>	276.44	
<i>For Class 55 Rating, Add</i>	614.44	
40 05 19 00-2319 EA 16" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,523.91	464.26
<i>For Class 52 Rating, Deduct</i>	-420.25	
<i>For Class 54 Rating, Add</i>	286.54	
<i>For Class 55 Rating, Add</i>	636.87	
40 05 19 00-2320 EA 16" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,661.85	466.47
<i>For Class 52 Rating, Deduct</i>	-435.06	
<i>For Class 54 Rating, Add</i>	296.63	
<i>For Class 55 Rating, Add</i>	659.31	
40 05 19 00-2321 EA 16" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,799.79	468.68
<i>For Class 52 Rating, Deduct</i>	-449.86	
<i>For Class 54 Rating, Add</i>	306.73	
<i>For Class 55 Rating, Add</i>	681.75	
40 05 19 00-2322 EA 16" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,937.74	470.89
<i>For Class 52 Rating, Deduct</i>	-464.67	
<i>For Class 54 Rating, Add</i>	316.82	
<i>For Class 55 Rating, Add</i>	704.19	
40 05 19 00-2323 EA 16" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,075.69	473.10
<i>For Class 52 Rating, Deduct</i>	-479.48	
<i>For Class 54 Rating, Add</i>	326.92	
<i>For Class 55 Rating, Add</i>	726.62	
40 05 19 00-2324 EA 16" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,213.63	475.31
<i>For Class 52 Rating, Deduct</i>	-494.28	
<i>For Class 54 Rating, Add</i>	337.01	
<i>For Class 55 Rating, Add</i>	749.06	
40 05 19 00-2325 EA 16" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,351.58	477.53
<i>For Class 52 Rating, Deduct</i>	-509.09	
<i>For Class 54 Rating, Add</i>	347.10	
<i>For Class 55 Rating, Add</i>	771.50	
40 05 19 00-2326 EA 16" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,489.53	479.73
<i>For Class 52 Rating, Deduct</i>	-523.89	
<i>For Class 54 Rating, Add</i>	357.20	
<i>For Class 55 Rating, Add</i>	793.94	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2327	EA		16" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,627.47	481.94
			<i>For Class 52 Rating, Deduct</i>	-538.70	
			<i>For Class 54 Rating, Add</i>	367.29	
			<i>For Class 55 Rating, Add</i>	816.37	
40 05 19 00-2328	EA		16" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,765.42	484.16
			<i>For Class 52 Rating, Deduct</i>	-553.50	
			<i>For Class 54 Rating, Add</i>	377.39	
			<i>For Class 55 Rating, Add</i>	838.81	
40 05 19 00-2329	EA		16" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,903.37	486.36
			<i>For Class 52 Rating, Deduct</i>	-568.31	
			<i>For Class 54 Rating, Add</i>	387.48	
			<i>For Class 55 Rating, Add</i>	861.25	
40 05 19 00-2330	EA		16" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	6,041.31	488.58
			<i>For Class 52 Rating, Deduct</i>	-583.11	
			<i>For Class 54 Rating, Add</i>	397.58	
			<i>For Class 55 Rating, Add</i>	883.68	
40 05 19 00-2331	EA		16" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	6,179.26	490.79
			<i>For Class 52 Rating, Deduct</i>	-597.92	
			<i>For Class 54 Rating, Add</i>	407.67	
			<i>For Class 55 Rating, Add</i>	906.12	
40 05 19 00-2332	EA		16" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	6,317.20	492.99
			<i>For Class 52 Rating, Deduct</i>	-612.73	
			<i>For Class 54 Rating, Add</i>	417.77	
			<i>For Class 55 Rating, Add</i>	928.56	
40 05 19 00-2333	EA		16" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	6,455.14	495.21
			<i>For Class 52 Rating, Deduct</i>	-627.53	
			<i>For Class 54 Rating, Add</i>	427.86	
			<i>For Class 55 Rating, Add</i>	951.00	
40 05 19 00-2334	EA		16" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	6,593.10	497.42
			<i>For Class 52 Rating, Deduct</i>	-642.34	
			<i>For Class 54 Rating, Add</i>	437.96	
			<i>For Class 55 Rating, Add</i>	973.43	
40 05 19 00-2335	EA		16" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	6,731.05	499.63
			<i>For Class 52 Rating, Deduct</i>	-657.14	
			<i>For Class 54 Rating, Add</i>	448.05	
			<i>For Class 55 Rating, Add</i>	995.87	
40 05 19 00-2336	EA		16" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	6,868.99	501.84
			<i>For Class 52 Rating, Deduct</i>	-671.95	
			<i>For Class 54 Rating, Add</i>	458.15	
			<i>For Class 55 Rating, Add</i>	1,018.31	
40 05 19 00-2337	EA		16" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	7,006.94	504.06
			<i>For Class 52 Rating, Deduct</i>	-686.75	
			<i>For Class 54 Rating, Add</i>	468.24	
			<i>For Class 55 Rating, Add</i>	1,040.74	
40 05 19 00-2338	EA		16" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	7,144.89	506.26
			<i>For Class 52 Rating, Deduct</i>	-701.56	
			<i>For Class 54 Rating, Add</i>	478.34	
			<i>For Class 55 Rating, Add</i>	1,063.18	
40 05 19 00-2339			<b>18" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-2060)</small>		
40 05 19 00-2340	EA		18" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,371.08	478.40
			<i>For Class 52 Rating, Deduct</i>	-181.08	
			<i>For Class 54 Rating, Add</i>	123.47	
			<i>For Class 55 Rating, Add</i>	274.42	
40 05 19 00-2341	EA		18" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,529.74	480.62
			<i>For Class 52 Rating, Deduct</i>	-198.17	
			<i>For Class 54 Rating, Add</i>	135.11	
			<i>For Class 55 Rating, Add</i>	300.32	
40 05 19 00-2342	EA		18" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,688.39	482.83
			<i>For Class 52 Rating, Deduct</i>	-215.25	
			<i>For Class 54 Rating, Add</i>	146.76	
			<i>For Class 55 Rating, Add</i>	326.20	
40 05 19 00-2343	EA		18" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,847.04	485.04
			<i>For Class 52 Rating, Deduct</i>	-232.33	
			<i>For Class 54 Rating, Add</i>	158.41	
			<i>For Class 55 Rating, Add</i>	352.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2344 EA 18" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,005.70	487.25
<i>For Class 52 Rating, Deduct</i>	-249.42	
<i>For Class 54 Rating, Add</i>	170.06	
<i>For Class 55 Rating, Add</i>	377.98	
40 05 19 00-2345 EA 18" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,164.35	489.46
<i>For Class 52 Rating, Deduct</i>	-266.50	
<i>For Class 54 Rating, Add</i>	181.71	
<i>For Class 55 Rating, Add</i>	403.87	
40 05 19 00-2346 EA 18" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,323.00	491.67
<i>For Class 52 Rating, Deduct</i>	-283.59	
<i>For Class 54 Rating, Add</i>	193.35	
<i>For Class 55 Rating, Add</i>	429.76	
40 05 19 00-2347 EA 18" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,481.66	493.88
<i>For Class 52 Rating, Deduct</i>	-300.67	
<i>For Class 54 Rating, Add</i>	205.00	
<i>For Class 55 Rating, Add</i>	455.65	
40 05 19 00-2348 EA 18" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,640.31	496.10
<i>For Class 52 Rating, Deduct</i>	-317.75	
<i>For Class 54 Rating, Add</i>	216.65	
<i>For Class 55 Rating, Add</i>	481.54	
40 05 19 00-2349 EA 18" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,798.97	498.30
<i>For Class 52 Rating, Deduct</i>	-334.84	
<i>For Class 54 Rating, Add</i>	228.30	
<i>For Class 55 Rating, Add</i>	507.43	
40 05 19 00-2350 EA 18" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,957.62	500.52
<i>For Class 52 Rating, Deduct</i>	-351.92	
<i>For Class 54 Rating, Add</i>	239.94	
<i>For Class 55 Rating, Add</i>	533.32	
40 05 19 00-2351 EA 18" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,116.28	502.73
<i>For Class 52 Rating, Deduct</i>	-369.00	
<i>For Class 54 Rating, Add</i>	251.59	
<i>For Class 55 Rating, Add</i>	559.21	
40 05 19 00-2352 EA 18" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,274.92	504.93
<i>For Class 52 Rating, Deduct</i>	-386.09	
<i>For Class 54 Rating, Add</i>	263.24	
<i>For Class 55 Rating, Add</i>	585.10	
40 05 19 00-2353 EA 18" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,433.57	507.15
<i>For Class 52 Rating, Deduct</i>	-403.17	
<i>For Class 54 Rating, Add</i>	274.89	
<i>For Class 55 Rating, Add</i>	610.98	
40 05 19 00-2354 EA 18" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,592.23	509.36
<i>For Class 52 Rating, Deduct</i>	-420.25	
<i>For Class 54 Rating, Add</i>	286.54	
<i>For Class 55 Rating, Add</i>	636.87	
40 05 19 00-2355 EA 18" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,750.88	511.57
<i>For Class 52 Rating, Deduct</i>	-437.34	
<i>For Class 54 Rating, Add</i>	298.18	
<i>For Class 55 Rating, Add</i>	662.76	
40 05 19 00-2356 EA 18" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,909.55	513.78
<i>For Class 52 Rating, Deduct</i>	-454.42	
<i>For Class 54 Rating, Add</i>	309.83	
<i>For Class 55 Rating, Add</i>	688.65	
40 05 19 00-2357 EA 18" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,068.20	515.99
<i>For Class 52 Rating, Deduct</i>	-471.50	
<i>For Class 54 Rating, Add</i>	321.48	
<i>For Class 55 Rating, Add</i>	714.54	
40 05 19 00-2358 EA 18" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,226.84	518.20
<i>For Class 52 Rating, Deduct</i>	-488.59	
<i>For Class 54 Rating, Add</i>	333.13	
<i>For Class 55 Rating, Add</i>	740.43	
40 05 19 00-2359 EA 18" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,385.50	520.41
<i>For Class 52 Rating, Deduct</i>	-505.67	
<i>For Class 54 Rating, Add</i>	344.78	
<i>For Class 55 Rating, Add</i>	766.32	
40 05 19 00-2360 EA 18" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,544.15	522.63
<i>For Class 52 Rating, Deduct</i>	-522.75	
<i>For Class 54 Rating, Add</i>	356.42	
<i>For Class 55 Rating, Add</i>	792.21	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2361	EA		18" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,702.81	524.83
			<i>For Class 52 Rating, Deduct</i>	-539.84	
			<i>For Class 54 Rating, Add</i>	368.07	
			<i>For Class 55 Rating, Add</i>	818.10	
40 05 19 00-2362	EA		18" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,861.46	527.04
			<i>For Class 52 Rating, Deduct</i>	-556.92	
			<i>For Class 54 Rating, Add</i>	379.72	
			<i>For Class 55 Rating, Add</i>	843.99	
40 05 19 00-2363	EA		18" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	6,020.11	529.26
			<i>For Class 52 Rating, Deduct</i>	-574.00	
			<i>For Class 54 Rating, Add</i>	391.37	
			<i>For Class 55 Rating, Add</i>	869.88	
40 05 19 00-2364	EA		18" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	6,178.77	531.46
			<i>For Class 52 Rating, Deduct</i>	-591.09	
			<i>For Class 54 Rating, Add</i>	403.01	
			<i>For Class 55 Rating, Add</i>	895.77	
40 05 19 00-2365	EA		18" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	6,337.42	533.68
			<i>For Class 52 Rating, Deduct</i>	-608.17	
			<i>For Class 54 Rating, Add</i>	414.66	
			<i>For Class 55 Rating, Add</i>	921.65	
40 05 19 00-2366	EA		18" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	6,496.08	535.89
			<i>For Class 52 Rating, Deduct</i>	-625.25	
			<i>For Class 54 Rating, Add</i>	426.31	
			<i>For Class 55 Rating, Add</i>	947.54	
40 05 19 00-2367	EA		18" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	6,654.73	538.10
			<i>For Class 52 Rating, Deduct</i>	-642.34	
			<i>For Class 54 Rating, Add</i>	437.96	
			<i>For Class 55 Rating, Add</i>	973.43	
40 05 19 00-2368	EA		18" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	6,813.38	540.31
			<i>For Class 52 Rating, Deduct</i>	-659.42	
			<i>For Class 54 Rating, Add</i>	449.60	
			<i>For Class 55 Rating, Add</i>	999.32	
40 05 19 00-2369	EA		18" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	6,972.04	542.52
			<i>For Class 52 Rating, Deduct</i>	-676.50	
			<i>For Class 54 Rating, Add</i>	461.25	
			<i>For Class 55 Rating, Add</i>	1,025.21	
40 05 19 00-2370	EA		18" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	7,130.69	544.73
			<i>For Class 52 Rating, Deduct</i>	-693.59	
			<i>For Class 54 Rating, Add</i>	472.90	
			<i>For Class 55 Rating, Add</i>	1,051.10	
40 05 19 00-2371	EA		18" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	7,289.34	546.94
			<i>For Class 52 Rating, Deduct</i>	-710.67	
			<i>For Class 54 Rating, Add</i>	484.55	
			<i>For Class 55 Rating, Add</i>	1,076.99	
40 05 19 00-2372	EA		18" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	7,448.00	549.16
			<i>For Class 52 Rating, Deduct</i>	-727.75	
			<i>For Class 54 Rating, Add</i>	496.20	
			<i>For Class 55 Rating, Add</i>	1,102.88	
40 05 19 00-2373	EA		18" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	7,606.65	551.36
			<i>For Class 52 Rating, Deduct</i>	-744.84	
			<i>For Class 54 Rating, Add</i>	507.84	
			<i>For Class 55 Rating, Add</i>	1,128.77	
40 05 19 00-2374	EA		18" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	7,765.31	553.57
			<i>For Class 52 Rating, Deduct</i>	-761.92	
			<i>For Class 54 Rating, Add</i>	519.49	
			<i>For Class 55 Rating, Add</i>	1,154.66	
40 05 19 00-2375	EA		18" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	7,923.96	555.78
			<i>For Class 52 Rating, Deduct</i>	-779.00	
			<i>For Class 54 Rating, Add</i>	531.14	
			<i>For Class 55 Rating, Add</i>	1,180.55	
40 05 19 00-2376	EA		18" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	8,082.62	557.99
			<i>For Class 52 Rating, Deduct</i>	-796.09	
			<i>For Class 54 Rating, Add</i>	542.79	
			<i>For Class 55 Rating, Add</i>	1,206.44	
40 05 19 00-2377	EA		18" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	8,241.26	560.21
			<i>For Class 52 Rating, Deduct</i>	-813.17	
			<i>For Class 54 Rating, Add</i>	554.44	
			<i>For Class 55 Rating, Add</i>	1,232.32	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2378				<b>20" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-2060)</small>		
40 05 19 00-2379	EA			20" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,768.66	546.05
				For Class 52 Rating, Deduct	-213.54	
				For Class 54 Rating, Add	145.60	
				For Class 55 Rating, Add	323.61	
40 05 19 00-2380	EA			20" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,949.05	548.27
				For Class 52 Rating, Deduct	-233.02	
				For Class 54 Rating, Add	158.88	
				For Class 55 Rating, Add	353.13	
40 05 19 00-2381	EA			20" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,129.44	550.48
				For Class 52 Rating, Deduct	-252.49	
				For Class 54 Rating, Add	172.15	
				For Class 55 Rating, Add	382.64	
40 05 19 00-2382	EA			20" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,309.85	552.69
				For Class 52 Rating, Deduct	-271.97	
				For Class 54 Rating, Add	185.43	
				For Class 55 Rating, Add	412.16	
40 05 19 00-2383	EA			20" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,490.25	554.90
				For Class 52 Rating, Deduct	-291.44	
				For Class 54 Rating, Add	198.71	
				For Class 55 Rating, Add	441.67	
40 05 19 00-2384	EA			20" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,670.64	557.11
				For Class 52 Rating, Deduct	-310.92	
				For Class 54 Rating, Add	211.99	
				For Class 55 Rating, Add	471.18	
40 05 19 00-2385	EA			20" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,851.04	559.32
				For Class 52 Rating, Deduct	-330.39	
				For Class 54 Rating, Add	225.27	
				For Class 55 Rating, Add	500.70	
40 05 19 00-2386	EA			20" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,031.44	561.53
				For Class 52 Rating, Deduct	-349.87	
				For Class 54 Rating, Add	238.55	
				For Class 55 Rating, Add	530.21	
40 05 19 00-2387	EA			20" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,211.82	563.74
				For Class 52 Rating, Deduct	-369.34	
				For Class 54 Rating, Add	251.83	
				For Class 55 Rating, Add	559.72	
40 05 19 00-2388	EA			20" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,392.22	565.95
				For Class 52 Rating, Deduct	-388.82	
				For Class 54 Rating, Add	265.10	
				For Class 55 Rating, Add	589.24	
40 05 19 00-2389	EA			20" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,572.62	568.17
				For Class 52 Rating, Deduct	-408.29	
				For Class 54 Rating, Add	278.38	
				For Class 55 Rating, Add	618.75	
40 05 19 00-2390	EA			20" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,753.02	570.37
				For Class 52 Rating, Deduct	-427.77	
				For Class 54 Rating, Add	291.66	
				For Class 55 Rating, Add	648.26	
40 05 19 00-2391	EA			20" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,933.42	572.58
				For Class 52 Rating, Deduct	-447.24	
				For Class 54 Rating, Add	304.94	
				For Class 55 Rating, Add	677.78	
40 05 19 00-2392	EA			20" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,113.82	574.80
				For Class 52 Rating, Deduct	-466.72	
				For Class 54 Rating, Add	318.22	
				For Class 55 Rating, Add	707.29	
40 05 19 00-2393	EA			20" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,294.20	577.00
				For Class 52 Rating, Deduct	-486.19	
				For Class 54 Rating, Add	331.50	
				For Class 55 Rating, Add	736.81	
40 05 19 00-2394	EA			20" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,474.60	579.22
				For Class 52 Rating, Deduct	-505.67	
				For Class 54 Rating, Add	344.78	
				For Class 55 Rating, Add	766.32	



## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2395	EA		20" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,654.99	581.43
			For Class 52 Rating, Deduct .....	-525.14	
			For Class 54 Rating, Add .....	358.05	
			For Class 55 Rating, Add .....	795.83	
40 05 19 00-2396	EA		20" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,835.39	583.64
			For Class 52 Rating, Deduct .....	-544.62	
			For Class 54 Rating, Add .....	371.33	
			For Class 55 Rating, Add .....	825.35	
40 05 19 00-2397	EA		20" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	6,015.79	585.85
			For Class 52 Rating, Deduct .....	-564.10	
			For Class 54 Rating, Add .....	384.61	
			For Class 55 Rating, Add .....	854.86	
40 05 19 00-2398	EA		20" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	6,196.19	588.06
			For Class 52 Rating, Deduct .....	-583.57	
			For Class 54 Rating, Add .....	397.89	
			For Class 55 Rating, Add .....	884.37	
40 05 19 00-2399	EA		20" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	6,376.58	590.27
			For Class 52 Rating, Deduct .....	-603.05	
			For Class 54 Rating, Add .....	411.17	
			For Class 55 Rating, Add .....	913.89	
40 05 19 00-2400	EA		20" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	6,556.98	592.48
			For Class 52 Rating, Deduct .....	-622.52	
			For Class 54 Rating, Add .....	424.45	
			For Class 55 Rating, Add .....	943.40	
40 05 19 00-2401	EA		20" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	6,737.37	594.70
			For Class 52 Rating, Deduct .....	-642.00	
			For Class 54 Rating, Add .....	437.72	
			For Class 55 Rating, Add .....	972.91	
40 05 19 00-2402	EA		20" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	6,917.77	596.90
			For Class 52 Rating, Deduct .....	-661.47	
			For Class 54 Rating, Add .....	451.00	
			For Class 55 Rating, Add .....	1,002.43	
40 05 19 00-2403	EA		20" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	7,098.17	599.11
			For Class 52 Rating, Deduct .....	-680.95	
			For Class 54 Rating, Add .....	464.28	
			For Class 55 Rating, Add .....	1,031.94	
40 05 19 00-2404	EA		20" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	7,278.56	601.33
			For Class 52 Rating, Deduct .....	-700.42	
			For Class 54 Rating, Add .....	477.56	
			For Class 55 Rating, Add .....	1,061.46	
40 05 19 00-2405	EA		20" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	7,458.95	603.53
			For Class 52 Rating, Deduct .....	-719.90	
			For Class 54 Rating, Add .....	490.84	
			For Class 55 Rating, Add .....	1,090.97	
40 05 19 00-2406	EA		20" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	7,639.36	605.75
			For Class 52 Rating, Deduct .....	-739.37	
			For Class 54 Rating, Add .....	504.12	
			For Class 55 Rating, Add .....	1,120.48	
40 05 19 00-2407	EA		20" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	7,819.75	607.96
			For Class 52 Rating, Deduct .....	-758.85	
			For Class 54 Rating, Add .....	517.40	
			For Class 55 Rating, Add .....	1,150.00	
40 05 19 00-2408	EA		20" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	8,000.15	610.16
			For Class 52 Rating, Deduct .....	-778.32	
			For Class 54 Rating, Add .....	530.67	
			For Class 55 Rating, Add .....	1,179.51	
40 05 19 00-2409	EA		20" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	8,180.55	612.38
			For Class 52 Rating, Deduct .....	-797.80	
			For Class 54 Rating, Add .....	543.95	
			For Class 55 Rating, Add .....	1,209.03	
40 05 19 00-2410	EA		20" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	8,360.94	614.59
			For Class 52 Rating, Deduct .....	-817.27	
			For Class 54 Rating, Add .....	557.23	
			For Class 55 Rating, Add .....	1,238.54	
40 05 19 00-2411	EA		20" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	8,541.34	616.80
			For Class 52 Rating, Deduct .....	-836.75	
			For Class 54 Rating, Add .....	570.51	
			For Class 55 Rating, Add .....	1,268.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2412 EA 20" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,721.73	619.01
<i>For Class 52 Rating, Deduct</i>	-856.22	
<i>For Class 54 Rating, Add</i>	583.79	
<i>For Class 55 Rating, Add</i>	1,297.57	
40 05 19 00-2413 EA 20" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,902.12	621.23
<i>For Class 52 Rating, Deduct</i>	-875.70	
<i>For Class 54 Rating, Add</i>	597.07	
<i>For Class 55 Rating, Add</i>	1,327.08	
40 05 19 00-2414 EA 20" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,082.52	623.43
<i>For Class 52 Rating, Deduct</i>	-895.17	
<i>For Class 54 Rating, Add</i>	610.34	
<i>For Class 55 Rating, Add</i>	1,356.59	
40 05 19 00-2415 EA 20" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,262.93	625.64
<i>For Class 52 Rating, Deduct</i>	-914.65	
<i>For Class 54 Rating, Add</i>	623.62	
<i>For Class 55 Rating, Add</i>	1,386.11	
40 05 19 00-2416 EA 20" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,443.32	627.86
<i>For Class 52 Rating, Deduct</i>	-934.12	
<i>For Class 54 Rating, Add</i>	636.90	
<i>For Class 55 Rating, Add</i>	1,415.62	
<b>40 05 19 00-2417 24" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2060)</b>		
40 05 19 00-2418 EA 24" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,400.83	645.54
<i>For Class 52 Rating, Deduct</i>	-266.50	
<i>For Class 54 Rating, Add</i>	181.71	
<i>For Class 55 Rating, Add</i>	403.87	
40 05 19 00-2419 EA 24" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,623.68	647.76
<i>For Class 52 Rating, Deduct</i>	-290.65	
<i>For Class 54 Rating, Add</i>	198.17	
<i>For Class 55 Rating, Add</i>	440.46	
40 05 19 00-2420 EA 24" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,846.53	649.96
<i>For Class 52 Rating, Deduct</i>	-314.79	
<i>For Class 54 Rating, Add</i>	214.63	
<i>For Class 55 Rating, Add</i>	477.05	
40 05 19 00-2421 EA 24" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,069.37	652.17
<i>For Class 52 Rating, Deduct</i>	-338.94	
<i>For Class 54 Rating, Add</i>	231.09	
<i>For Class 55 Rating, Add</i>	513.64	
40 05 19 00-2422 EA 24" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,292.22	654.39
<i>For Class 52 Rating, Deduct</i>	-363.08	
<i>For Class 54 Rating, Add</i>	247.55	
<i>For Class 55 Rating, Add</i>	550.23	
40 05 19 00-2423 EA 24" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,515.06	656.59
<i>For Class 52 Rating, Deduct</i>	-387.22	
<i>For Class 54 Rating, Add</i>	264.02	
<i>For Class 55 Rating, Add</i>	586.82	
40 05 19 00-2424 EA 24" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,737.90	658.81
<i>For Class 52 Rating, Deduct</i>	-411.37	
<i>For Class 54 Rating, Add</i>	280.48	
<i>For Class 55 Rating, Add</i>	623.41	
40 05 19 00-2425 EA 24" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,960.76	661.02
<i>For Class 52 Rating, Deduct</i>	-435.51	
<i>For Class 54 Rating, Add</i>	296.94	
<i>For Class 55 Rating, Add</i>	660.00	
40 05 19 00-2426 EA 24" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,183.60	663.22
<i>For Class 52 Rating, Deduct</i>	-459.66	
<i>For Class 54 Rating, Add</i>	313.40	
<i>For Class 55 Rating, Add</i>	696.59	
40 05 19 00-2427 EA 24" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,406.45	665.44
<i>For Class 52 Rating, Deduct</i>	-483.80	
<i>For Class 54 Rating, Add</i>	329.87	
<i>For Class 55 Rating, Add</i>	733.18	
40 05 19 00-2428 EA 24" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,629.30	667.65
<i>For Class 52 Rating, Deduct</i>	-507.95	
<i>For Class 54 Rating, Add</i>	346.33	
<i>For Class 55 Rating, Add</i>	769.77	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2429	EA		24" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,852.14	669.86
			<i>For Class 52 Rating, Deduct</i>	-532.09	
			<i>For Class 54 Rating, Add</i>	362.79	
			<i>For Class 55 Rating, Add</i>	806.36	
40 05 19 00-2430	EA		24" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,074.99	672.07
			<i>For Class 52 Rating, Deduct</i>	-556.24	
			<i>For Class 54 Rating, Add</i>	379.25	
			<i>For Class 55 Rating, Add</i>	842.95	
40 05 19 00-2431	EA		24" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,297.82	674.29
			<i>For Class 52 Rating, Deduct</i>	-580.38	
			<i>For Class 54 Rating, Add</i>	395.71	
			<i>For Class 55 Rating, Add</i>	879.54	
40 05 19 00-2432	EA		24" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,520.67	676.49
			<i>For Class 52 Rating, Deduct</i>	-604.53	
			<i>For Class 54 Rating, Add</i>	412.18	
			<i>For Class 55 Rating, Add</i>	916.13	
40 05 19 00-2433	EA		24" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,743.53	678.70
			<i>For Class 52 Rating, Deduct</i>	-628.67	
			<i>For Class 54 Rating, Add</i>	428.64	
			<i>For Class 55 Rating, Add</i>	952.72	
40 05 19 00-2434	EA		24" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,966.37	680.91
			<i>For Class 52 Rating, Deduct</i>	-652.81	
			<i>For Class 54 Rating, Add</i>	445.10	
			<i>For Class 55 Rating, Add</i>	989.31	
40 05 19 00-2435	EA		24" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,189.22	683.12
			<i>For Class 52 Rating, Deduct</i>	-676.96	
			<i>For Class 54 Rating, Add</i>	461.56	
			<i>For Class 55 Rating, Add</i>	1,025.90	
40 05 19 00-2436	EA		24" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,412.07	685.34
			<i>For Class 52 Rating, Deduct</i>	-701.10	
			<i>For Class 54 Rating, Add</i>	478.03	
			<i>For Class 55 Rating, Add</i>	1,062.49	
40 05 19 00-2437	EA		24" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,634.90	687.54
			<i>For Class 52 Rating, Deduct</i>	-725.25	
			<i>For Class 54 Rating, Add</i>	494.49	
			<i>For Class 55 Rating, Add</i>	1,099.08	
40 05 19 00-2438	EA		24" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,857.75	689.75
			<i>For Class 52 Rating, Deduct</i>	-749.39	
			<i>For Class 54 Rating, Add</i>	510.95	
			<i>For Class 55 Rating, Add</i>	1,135.67	
40 05 19 00-2439	EA		24" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,080.60	691.97
			<i>For Class 52 Rating, Deduct</i>	-773.54	
			<i>For Class 54 Rating, Add</i>	527.41	
			<i>For Class 55 Rating, Add</i>	1,172.26	
40 05 19 00-2440	EA		24" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,303.44	694.17
			<i>For Class 52 Rating, Deduct</i>	-797.68	
			<i>For Class 54 Rating, Add</i>	543.87	
			<i>For Class 55 Rating, Add</i>	1,208.85	
40 05 19 00-2441	EA		24" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,526.30	696.39
			<i>For Class 52 Rating, Deduct</i>	-821.83	
			<i>For Class 54 Rating, Add</i>	560.34	
			<i>For Class 55 Rating, Add</i>	1,245.44	
40 05 19 00-2442	EA		24" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,749.14	698.60
			<i>For Class 52 Rating, Deduct</i>	-845.97	
			<i>For Class 54 Rating, Add</i>	576.80	
			<i>For Class 55 Rating, Add</i>	1,282.03	
40 05 19 00-2443	EA		24" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,971.98	700.80
			<i>For Class 52 Rating, Deduct</i>	-870.12	
			<i>For Class 54 Rating, Add</i>	593.26	
			<i>For Class 55 Rating, Add</i>	1,318.62	
40 05 19 00-2444	EA		24" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,194.83	703.02
			<i>For Class 52 Rating, Deduct</i>	-894.26	
			<i>For Class 54 Rating, Add</i>	609.72	
			<i>For Class 55 Rating, Add</i>	1,355.21	
40 05 19 00-2445	EA		24" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,417.67	705.23
			<i>For Class 52 Rating, Deduct</i>	-918.41	
			<i>For Class 54 Rating, Add</i>	626.19	
			<i>For Class 55 Rating, Add</i>	1,391.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2446 EA 24" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,640.52	707.44
For Class 52 Rating, Deduct	-942.55	
For Class 54 Rating, Add	642.65	
For Class 55 Rating, Add	1,428.39	
40 05 19 00-2447 EA 24" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,920.31	747.23
For Class 52 Rating, Deduct	-966.70	
For Class 54 Rating, Add	659.11	
For Class 55 Rating, Add	1,464.98	
40 05 19 00-2448 EA 24" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,143.15	749.45
For Class 52 Rating, Deduct	-990.84	
For Class 54 Rating, Add	675.57	
For Class 55 Rating, Add	1,501.57	
40 05 19 00-2449 EA 24" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,366.01	751.66
For Class 52 Rating, Deduct	-1,014.98	
For Class 54 Rating, Add	692.03	
For Class 55 Rating, Add	1,538.16	
40 05 19 00-2450 EA 24" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,588.85	753.86
For Class 52 Rating, Deduct	-1,039.13	
For Class 54 Rating, Add	708.50	
For Class 55 Rating, Add	1,574.75	
40 05 19 00-2451 EA 24" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,811.69	756.08
For Class 52 Rating, Deduct	-1,063.27	
For Class 54 Rating, Add	724.96	
For Class 55 Rating, Add	1,611.34	
40 05 19 00-2452 EA 24" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,034.54	758.29
For Class 52 Rating, Deduct	-1,087.42	
For Class 54 Rating, Add	741.42	
For Class 55 Rating, Add	1,647.93	
40 05 19 00-2453 EA 24" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,257.38	760.50
For Class 52 Rating, Deduct	-1,111.56	
For Class 54 Rating, Add	757.88	
For Class 55 Rating, Add	1,684.52	
40 05 19 00-2454 EA 24" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,480.23	762.71
For Class 52 Rating, Deduct	-1,135.71	
For Class 54 Rating, Add	774.35	
For Class 55 Rating, Add	1,721.11	
40 05 19 00-2455 EA 24" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,703.08	764.93
For Class 52 Rating, Deduct	-1,159.85	
For Class 54 Rating, Add	790.81	
For Class 55 Rating, Add	1,757.70	
<b>40 05 19 00-2456 30" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b>		
<small>(40 05 19 00-2060)</small>		
40 05 19 00-2457 EA 30" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,215.01	910.83
For Class 52 Rating, Deduct	-421.85	
For Class 54 Rating, Add	287.62	
For Class 55 Rating, Add	639.29	
40 05 19 00-2458 EA 30" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,533.11	913.04
For Class 52 Rating, Deduct	-456.47	
For Class 54 Rating, Add	311.23	
For Class 55 Rating, Add	691.76	
40 05 19 00-2459 EA 30" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,851.22	915.26
For Class 52 Rating, Deduct	-491.09	
For Class 54 Rating, Add	334.84	
For Class 55 Rating, Add	744.23	
40 05 19 00-2460 EA 30" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,169.32	917.46
For Class 52 Rating, Deduct	-525.71	
For Class 54 Rating, Add	358.44	
For Class 55 Rating, Add	796.70	
40 05 19 00-2461 EA 30" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,487.42	919.68
For Class 52 Rating, Deduct	-560.34	
For Class 54 Rating, Add	382.05	
For Class 55 Rating, Add	849.16	
40 05 19 00-2462 EA 30" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,805.52	921.89
For Class 52 Rating, Deduct	-594.96	
For Class 54 Rating, Add	405.65	
For Class 55 Rating, Add	901.63	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2463	EA		30" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,123.61	924.09
			<i>For Class 52 Rating, Deduct</i>	-629.58	
			<i>For Class 54 Rating, Add</i>	429.26	
			<i>For Class 55 Rating, Add</i>	954.10	
40 05 19 00-2464	EA		30" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,441.71	926.31
			<i>For Class 52 Rating, Deduct</i>	-664.20	
			<i>For Class 54 Rating, Add</i>	452.87	
			<i>For Class 55 Rating, Add</i>	1,006.57	
40 05 19 00-2465	EA		30" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,759.81	928.51
			<i>For Class 52 Rating, Deduct</i>	-698.83	
			<i>For Class 54 Rating, Add</i>	476.47	
			<i>For Class 55 Rating, Add</i>	1,059.04	
40 05 19 00-2466	EA		30" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,077.91	930.73
			<i>For Class 52 Rating, Deduct</i>	-733.45	
			<i>For Class 54 Rating, Add</i>	500.08	
			<i>For Class 55 Rating, Add</i>	1,111.51	
40 05 19 00-2467	EA		30" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,396.02	932.94
			<i>For Class 52 Rating, Deduct</i>	-768.07	
			<i>For Class 54 Rating, Add</i>	523.69	
			<i>For Class 55 Rating, Add</i>	1,163.98	
40 05 19 00-2468	EA		30" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,714.12	935.14
			<i>For Class 52 Rating, Deduct</i>	-802.69	
			<i>For Class 54 Rating, Add</i>	547.29	
			<i>For Class 55 Rating, Add</i>	1,216.45	
40 05 19 00-2469	EA		30" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,032.21	937.36
			<i>For Class 52 Rating, Deduct</i>	-837.32	
			<i>For Class 54 Rating, Add</i>	570.90	
			<i>For Class 55 Rating, Add</i>	1,268.92	
40 05 19 00-2470	EA		30" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,350.31	939.57
			<i>For Class 52 Rating, Deduct</i>	-871.94	
			<i>For Class 54 Rating, Add</i>	594.50	
			<i>For Class 55 Rating, Add</i>	1,321.38	
40 05 19 00-2471	EA		30" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,668.41	941.78
			<i>For Class 52 Rating, Deduct</i>	-906.56	
			<i>For Class 54 Rating, Add</i>	618.11	
			<i>For Class 55 Rating, Add</i>	1,373.85	
40 05 19 00-2472	EA		30" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,986.51	943.99
			<i>For Class 52 Rating, Deduct</i>	-941.18	
			<i>For Class 54 Rating, Add</i>	641.72	
			<i>For Class 55 Rating, Add</i>	1,426.32	
40 05 19 00-2473	EA		30" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,304.60	946.21
			<i>For Class 52 Rating, Deduct</i>	-975.81	
			<i>For Class 54 Rating, Add</i>	665.32	
			<i>For Class 55 Rating, Add</i>	1,478.79	
40 05 19 00-2474	EA		30" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,622.70	948.41
			<i>For Class 52 Rating, Deduct</i>	-1,010.43	
			<i>For Class 54 Rating, Add</i>	688.93	
			<i>For Class 55 Rating, Add</i>	1,531.26	
40 05 19 00-2475	EA		30" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,940.80	950.62
			<i>For Class 52 Rating, Deduct</i>	-1,045.05	
			<i>For Class 54 Rating, Add</i>	712.53	
			<i>For Class 55 Rating, Add</i>	1,583.73	
40 05 19 00-2476	EA		30" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,258.90	952.84
			<i>For Class 52 Rating, Deduct</i>	-1,079.67	
			<i>For Class 54 Rating, Add</i>	736.14	
			<i>For Class 55 Rating, Add</i>	1,636.20	
40 05 19 00-2477	EA		30" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,577.00	955.04
			<i>For Class 52 Rating, Deduct</i>	-1,114.30	
			<i>For Class 54 Rating, Add</i>	759.75	
			<i>For Class 55 Rating, Add</i>	1,688.66	
40 05 19 00-2478	EA		30" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,895.10	957.26
			<i>For Class 52 Rating, Deduct</i>	-1,148.92	
			<i>For Class 54 Rating, Add</i>	783.35	
			<i>For Class 55 Rating, Add</i>	1,741.13	
40 05 19 00-2479	EA		30" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,213.20	959.47
			<i>For Class 52 Rating, Deduct</i>	-1,183.54	
			<i>For Class 54 Rating, Add</i>	806.96	
			<i>For Class 55 Rating, Add</i>	1,793.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2480 EA 30" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,531.30	961.67
For Class 52 Rating, Deduct	-1,218.16	
For Class 54 Rating, Add	830.57	
For Class 55 Rating, Add	1,846.07	
40 05 19 00-2481 EA 30" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,849.40	963.89
For Class 52 Rating, Deduct	-1,252.79	
For Class 54 Rating, Add	854.17	
For Class 55 Rating, Add	1,898.54	
40 05 19 00-2482 EA 30" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,167.49	966.10
For Class 52 Rating, Deduct	-1,287.41	
For Class 54 Rating, Add	877.78	
For Class 55 Rating, Add	1,951.01	
40 05 19 00-2483 EA 30" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,485.60	968.31
For Class 52 Rating, Deduct	-1,322.03	
For Class 54 Rating, Add	901.38	
For Class 55 Rating, Add	2,003.48	
40 05 19 00-2484 EA 30" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,803.70	970.52
For Class 52 Rating, Deduct	-1,356.65	
For Class 54 Rating, Add	924.99	
For Class 55 Rating, Add	2,055.95	
40 05 19 00-2485 EA 30" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,121.80	972.74
For Class 52 Rating, Deduct	-1,391.28	
For Class 54 Rating, Add	948.60	
For Class 55 Rating, Add	2,108.41	
40 05 19 00-2486 EA 30" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,439.90	974.94
For Class 52 Rating, Deduct	-1,425.90	
For Class 54 Rating, Add	972.20	
For Class 55 Rating, Add	2,160.88	
40 05 19 00-2487 EA 30" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,758.00	977.15
For Class 52 Rating, Deduct	-1,460.52	
For Class 54 Rating, Add	995.81	
For Class 55 Rating, Add	2,213.35	
40 05 19 00-2488 EA 30" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,076.09	979.37
For Class 52 Rating, Deduct	-1,495.14	
For Class 54 Rating, Add	1,019.42	
For Class 55 Rating, Add	2,265.82	
40 05 19 00-2489 EA 30" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,394.19	981.57
For Class 52 Rating, Deduct	-1,529.77	
For Class 54 Rating, Add	1,043.02	
For Class 55 Rating, Add	2,318.29	
40 05 19 00-2490 EA 30" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,712.28	983.79
For Class 52 Rating, Deduct	-1,564.39	
For Class 54 Rating, Add	1,066.63	
For Class 55 Rating, Add	2,370.76	
40 05 19 00-2491 EA 30" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,030.39	986.00
For Class 52 Rating, Deduct	-1,599.01	
For Class 54 Rating, Add	1,090.23	
For Class 55 Rating, Add	2,423.23	
<b>40 05 19 00-2492 36" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-2060)</small>		
40 05 19 00-2493 EA 36" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,216.25	1,154.02
For Class 52 Rating, Deduct	-601.45	
For Class 54 Rating, Add	410.08	
For Class 55 Rating, Add	911.47	
40 05 19 00-2494 EA 36" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,642.02	1,156.23
For Class 52 Rating, Deduct	-647.92	
For Class 54 Rating, Add	441.76	
For Class 55 Rating, Add	981.89	
40 05 19 00-2495 EA 36" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,067.79	1,158.43
For Class 52 Rating, Deduct	-694.38	
For Class 54 Rating, Add	473.44	
For Class 55 Rating, Add	1,052.31	
40 05 19 00-2496 EA 36" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,493.57	1,160.65
For Class 52 Rating, Deduct	-740.85	
For Class 54 Rating, Add	505.13	
For Class 55 Rating, Add	1,122.73	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2497	EA		36" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,919.34	1,162.86
			<i>For Class 52 Rating, Deduct</i>	-787.32	
			<i>For Class 54 Rating, Add</i>	536.81	
			<i>For Class 55 Rating, Add</i>	1,193.15	
40 05 19 00-2498	EA		36" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,345.12	1,165.07
			<i>For Class 52 Rating, Deduct</i>	-833.79	
			<i>For Class 54 Rating, Add</i>	568.49	
			<i>For Class 55 Rating, Add</i>	1,263.56	
40 05 19 00-2499	EA		36" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,770.91	1,167.28
			<i>For Class 52 Rating, Deduct</i>	-880.25	
			<i>For Class 54 Rating, Add</i>	600.17	
			<i>For Class 55 Rating, Add</i>	1,333.98	
40 05 19 00-2500	EA		36" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,196.68	1,169.49
			<i>For Class 52 Rating, Deduct</i>	-926.72	
			<i>For Class 54 Rating, Add</i>	631.85	
			<i>For Class 55 Rating, Add</i>	1,404.40	
40 05 19 00-2501	EA		36" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,622.46	1,171.70
			<i>For Class 52 Rating, Deduct</i>	-973.19	
			<i>For Class 54 Rating, Add</i>	663.54	
			<i>For Class 55 Rating, Add</i>	1,474.82	
40 05 19 00-2502	EA		36" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,048.23	1,173.91
			<i>For Class 52 Rating, Deduct</i>	-1,019.65	
			<i>For Class 54 Rating, Add</i>	695.22	
			<i>For Class 55 Rating, Add</i>	1,545.24	
40 05 19 00-2503	EA		36" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,474.00	1,176.12
			<i>For Class 52 Rating, Deduct</i>	-1,066.12	
			<i>For Class 54 Rating, Add</i>	726.90	
			<i>For Class 55 Rating, Add</i>	1,615.66	
40 05 19 00-2504	EA		36" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,899.78	1,178.33
			<i>For Class 52 Rating, Deduct</i>	-1,112.59	
			<i>For Class 54 Rating, Add</i>	758.58	
			<i>For Class 55 Rating, Add</i>	1,686.08	
40 05 19 00-2505	EA		36" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,325.56	1,180.55
			<i>For Class 52 Rating, Deduct</i>	-1,159.05	
			<i>For Class 54 Rating, Add</i>	790.26	
			<i>For Class 55 Rating, Add</i>	1,756.49	
40 05 19 00-2506	EA		36" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,751.34	1,182.75
			<i>For Class 52 Rating, Deduct</i>	-1,205.52	
			<i>For Class 54 Rating, Add</i>	821.95	
			<i>For Class 55 Rating, Add</i>	1,826.91	
40 05 19 00-2507	EA		36" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,177.12	1,184.96
			<i>For Class 52 Rating, Deduct</i>	-1,251.99	
			<i>For Class 54 Rating, Add</i>	853.63	
			<i>For Class 55 Rating, Add</i>	1,897.33	
40 05 19 00-2508	EA		36" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,602.89	1,187.18
			<i>For Class 52 Rating, Deduct</i>	-1,298.46	
			<i>For Class 54 Rating, Add</i>	885.31	
			<i>For Class 55 Rating, Add</i>	1,967.75	
40 05 19 00-2509	EA		36" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,028.67	1,189.38
			<i>For Class 52 Rating, Deduct</i>	-1,344.92	
			<i>For Class 54 Rating, Add</i>	916.99	
			<i>For Class 55 Rating, Add</i>	2,038.17	
40 05 19 00-2510	EA		36" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,454.44	1,191.60
			<i>For Class 52 Rating, Deduct</i>	-1,391.39	
			<i>For Class 54 Rating, Add</i>	948.67	
			<i>For Class 55 Rating, Add</i>	2,108.59	
40 05 19 00-2511	EA		36" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,880.22	1,193.81
			<i>For Class 52 Rating, Deduct</i>	-1,437.86	
			<i>For Class 54 Rating, Add</i>	980.36	
			<i>For Class 55 Rating, Add</i>	2,179.01	
40 05 19 00-2512	EA		36" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,306.00	1,196.01
			<i>For Class 52 Rating, Deduct</i>	-1,484.32	
			<i>For Class 54 Rating, Add</i>	1,012.04	
			<i>For Class 55 Rating, Add</i>	2,249.42	
40 05 19 00-2513	EA		36" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,731.77	1,198.23
			<i>For Class 52 Rating, Deduct</i>	-1,530.79	
			<i>For Class 54 Rating, Add</i>	1,043.72	
			<i>For Class 55 Rating, Add</i>	2,319.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2514 EA 36" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,157.54	1,200.44
For Class 52 Rating, Deduct	-1,577.26	
For Class 54 Rating, Add	1,075.40	
For Class 55 Rating, Add	2,390.26	
40 05 19 00-2515 EA 36" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,583.32	1,202.65
For Class 52 Rating, Deduct	-1,623.72	
For Class 54 Rating, Add	1,107.08	
For Class 55 Rating, Add	2,460.68	
40 05 19 00-2516 EA 36" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,009.10	1,204.86
For Class 52 Rating, Deduct	-1,670.19	
For Class 54 Rating, Add	1,138.77	
For Class 55 Rating, Add	2,531.10	
40 05 19 00-2517 EA 36" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,434.88	1,207.07
For Class 52 Rating, Deduct	-1,716.66	
For Class 54 Rating, Add	1,170.45	
For Class 55 Rating, Add	2,601.52	
40 05 19 00-2518 EA 36" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,860.66	1,209.28
For Class 52 Rating, Deduct	-1,763.13	
For Class 54 Rating, Add	1,202.13	
For Class 55 Rating, Add	2,671.94	
40 05 19 00-2519 EA 36" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,286.44	1,211.49
For Class 52 Rating, Deduct	-1,809.59	
For Class 54 Rating, Add	1,233.81	
For Class 55 Rating, Add	2,742.36	
40 05 19 00-2520 EA 36" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,712.20	1,213.71
For Class 52 Rating, Deduct	-1,856.06	
For Class 54 Rating, Add	1,265.49	
For Class 55 Rating, Add	2,812.77	
40 05 19 00-2521 EA 36" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,137.98	1,215.91
For Class 52 Rating, Deduct	-1,902.53	
For Class 54 Rating, Add	1,297.18	
For Class 55 Rating, Add	2,883.19	
40 05 19 00-2522 EA 36" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,563.76	1,218.13
For Class 52 Rating, Deduct	-1,948.99	
For Class 54 Rating, Add	1,328.86	
For Class 55 Rating, Add	2,953.61	
40 05 19 00-2523 EA 36" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,989.53	1,220.34
For Class 52 Rating, Deduct	-1,995.46	
For Class 54 Rating, Add	1,360.54	
For Class 55 Rating, Add	3,024.03	
40 05 19 00-2524 EA 36" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,415.32	1,222.54
For Class 52 Rating, Deduct	-2,041.93	
For Class 54 Rating, Add	1,392.22	
For Class 55 Rating, Add	3,094.45	
40 05 19 00-2525 EA 36" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,841.10	1,224.76
For Class 52 Rating, Deduct	-2,088.39	
For Class 54 Rating, Add	1,423.91	
For Class 55 Rating, Add	3,164.87	
40 05 19 00-2526 EA 36" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,266.87	1,226.97
For Class 52 Rating, Deduct	-2,134.86	
For Class 54 Rating, Add	1,455.59	
For Class 55 Rating, Add	3,235.28	
40 05 19 00-2527 EA 36" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,692.64	1,229.18
For Class 52 Rating, Deduct	-2,181.33	
For Class 54 Rating, Add	1,487.27	
For Class 55 Rating, Add	3,305.70	
<b>40 05 19 00-2528 42" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b>		
<small>(40 05 19 00-2060)</small>		
40 05 19 00-2529 EA 42" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,498.16	1,454.68
For Class 52 Rating, Deduct	-802.35	
For Class 54 Rating, Add	547.06	
For Class 55 Rating, Add	1,215.93	
40 05 19 00-2530 EA 42" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,122.74	1,456.88
For Class 52 Rating, Deduct	-870.69	
For Class 54 Rating, Add	593.65	
For Class 55 Rating, Add	1,319.49	



## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2531	EA		42" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,742.13	1,459.10
			<i>For Class 52 Rating, Deduct</i>	-938.45	
			<i>For Class 54 Rating, Add</i>	639.85	
			<i>For Class 55 Rating, Add</i>	1,422.18	
40 05 19 00-2532	EA		42" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,367.73	1,461.31
			<i>For Class 52 Rating, Deduct</i>	-1,006.90	
			<i>For Class 54 Rating, Add</i>	686.52	
			<i>For Class 55 Rating, Add</i>	1,525.91	
40 05 19 00-2533	EA		42" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,989.18	1,463.52
			<i>For Class 52 Rating, Deduct</i>	-1,074.89	
			<i>For Class 54 Rating, Add</i>	732.88	
			<i>For Class 55 Rating, Add</i>	1,628.95	
40 05 19 00-2534	EA		42" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,616.85	1,465.73
			<i>For Class 52 Rating, Deduct</i>	-1,143.57	
			<i>For Class 54 Rating, Add</i>	779.70	
			<i>For Class 55 Rating, Add</i>	1,733.02	
40 05 19 00-2535	EA		42" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,238.31	1,467.94
			<i>For Class 52 Rating, Deduct</i>	-1,211.56	
			<i>For Class 54 Rating, Add</i>	826.06	
			<i>For Class 55 Rating, Add</i>	1,836.06	
40 05 19 00-2536	EA		42" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,867.02	1,470.15
			<i>For Class 52 Rating, Deduct</i>	-1,280.35	
			<i>For Class 54 Rating, Add</i>	872.96	
			<i>For Class 55 Rating, Add</i>	1,940.31	
40 05 19 00-2537	EA		42" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,490.55	1,472.36
			<i>For Class 52 Rating, Deduct</i>	-1,348.57	
			<i>For Class 54 Rating, Add</i>	919.48	
			<i>For Class 55 Rating, Add</i>	2,043.69	
40 05 19 00-2538	EA		42" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,119.27	1,474.58
			<i>For Class 52 Rating, Deduct</i>	-1,417.36	
			<i>For Class 54 Rating, Add</i>	966.38	
			<i>For Class 55 Rating, Add</i>	2,147.94	
40 05 19 00-2539	EA		42" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,742.80	1,476.78
			<i>For Class 52 Rating, Deduct</i>	-1,485.58	
			<i>For Class 54 Rating, Add</i>	1,012.89	
			<i>For Class 55 Rating, Add</i>	2,251.32	
40 05 19 00-2540	EA		42" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,372.53	1,479.00
			<i>For Class 52 Rating, Deduct</i>	-1,554.48	
			<i>For Class 54 Rating, Add</i>	1,059.87	
			<i>For Class 55 Rating, Add</i>	2,355.74	
40 05 19 00-2541	EA		42" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,996.06	1,481.21
			<i>For Class 52 Rating, Deduct</i>	-1,622.70	
			<i>For Class 54 Rating, Add</i>	1,106.39	
			<i>For Class 55 Rating, Add</i>	2,459.13	
40 05 19 00-2542	EA		42" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,621.66	1,483.41
			<i>For Class 52 Rating, Deduct</i>	-1,691.15	
			<i>For Class 54 Rating, Add</i>	1,153.05	
			<i>For Class 55 Rating, Add</i>	2,562.86	
40 05 19 00-2543	EA		42" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,250.37	1,485.63
			<i>For Class 52 Rating, Deduct</i>	-1,759.94	
			<i>For Class 54 Rating, Add</i>	1,199.96	
			<i>For Class 55 Rating, Add</i>	2,667.10	
40 05 19 00-2544	EA		42" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,874.93	1,487.84
			<i>For Class 52 Rating, Deduct</i>	-1,828.27	
			<i>For Class 54 Rating, Add</i>	1,246.55	
			<i>For Class 55 Rating, Add</i>	2,770.66	
40 05 19 00-2545	EA		42" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,506.75	1,490.05
			<i>For Class 52 Rating, Deduct</i>	-1,897.40	
			<i>For Class 54 Rating, Add</i>	1,293.68	
			<i>For Class 55 Rating, Add</i>	2,875.42	
40 05 19 00-2546	EA		42" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,132.35	1,492.26
			<i>For Class 52 Rating, Deduct</i>	-1,965.85	
			<i>For Class 54 Rating, Add</i>	1,340.35	
			<i>For Class 55 Rating, Add</i>	2,979.15	
40 05 19 00-2547	EA		42" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,763.13	1,494.47
			<i>For Class 52 Rating, Deduct</i>	-2,034.87	
			<i>For Class 54 Rating, Add</i>	1,387.41	
			<i>For Class 55 Rating, Add</i>	3,083.75	



<b>Process Interconnections</b>	<b>40</b>
<b>Common Work Results For Process Interconnections</b>	
40 05	<b>40</b>
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2548 EA 42" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,387.69	1,496.68
For Class 52 Rating, Deduct	-2,103.20	
For Class 54 Rating, Add	1,434.00	
For Class 55 Rating, Add	3,187.30	
40 05 19 00-2549 EA 42" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,020.54	1,498.89
For Class 52 Rating, Deduct	-2,172.44	
For Class 54 Rating, Add	1,481.21	
For Class 55 Rating, Add	3,292.24	
40 05 19 00-2550 EA 42" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,646.14	1,501.11
For Class 52 Rating, Deduct	-2,240.89	
For Class 54 Rating, Add	1,527.88	
For Class 55 Rating, Add	3,395.97	
40 05 19 00-2551 EA 42" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,276.92	1,503.31
For Class 52 Rating, Deduct	-2,309.91	
For Class 54 Rating, Add	1,574.94	
For Class 55 Rating, Add	3,500.56	
40 05 19 00-2552 EA 42" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,902.51	1,505.52
For Class 52 Rating, Deduct	-2,378.36	
For Class 54 Rating, Add	1,621.61	
For Class 55 Rating, Add	3,604.29	
40 05 19 00-2553 EA 42" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,535.36	1,507.74
For Class 52 Rating, Deduct	-2,447.60	
For Class 54 Rating, Add	1,668.82	
For Class 55 Rating, Add	3,709.23	
40 05 19 00-2554 EA 42" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,160.96	1,509.94
For Class 52 Rating, Deduct	-2,516.05	
For Class 54 Rating, Add	1,715.49	
For Class 55 Rating, Add	3,812.96	
40 05 19 00-2555 EA 42" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,791.75	1,512.16
For Class 52 Rating, Deduct	-2,585.07	
For Class 54 Rating, Add	1,762.55	
For Class 55 Rating, Add	3,917.55	
40 05 19 00-2556 EA 42" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,418.39	1,514.37
For Class 52 Rating, Deduct	-2,653.63	
For Class 54 Rating, Add	1,809.29	
For Class 55 Rating, Add	4,021.45	
40 05 19 00-2557 EA 42" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,925.96	1,516.58
For Class 52 Rating, Deduct	-2,709.09	
For Class 54 Rating, Add	1,847.11	
For Class 55 Rating, Add	4,105.51	
40 05 19 00-2558 EA 42" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,676.83	1,518.79
For Class 52 Rating, Deduct	-2,791.32	
For Class 54 Rating, Add	1,903.17	
For Class 55 Rating, Add	4,230.12	
40 05 19 00-2559 EA 42" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,302.43	1,521.00
For Class 52 Rating, Deduct	-2,859.77	
For Class 54 Rating, Add	1,949.84	
For Class 55 Rating, Add	4,333.85	
40 05 19 00-2560 EA 42" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,934.24	1,523.21
For Class 52 Rating, Deduct	-2,928.90	
For Class 54 Rating, Add	1,996.98	
For Class 55 Rating, Add	4,438.61	
40 05 19 00-2561 EA 42" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,560.88	1,525.42
For Class 52 Rating, Deduct	-2,997.46	
For Class 54 Rating, Add	2,043.72	
For Class 55 Rating, Add	4,542.51	
40 05 19 00-2562 EA 42" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,193.73	1,527.64
For Class 52 Rating, Deduct	-3,066.71	
For Class 54 Rating, Add	2,090.94	
For Class 55 Rating, Add	4,647.45	
40 05 19 00-2563 EA 42" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,818.30	1,529.84
For Class 52 Rating, Deduct	-3,135.04	
For Class 54 Rating, Add	2,137.53	
For Class 55 Rating, Add	4,751.01	
40 05 19 00-2564 48" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2060)		

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2565	EA		48" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,915.47	1,828.29
			For Class 52 Rating, Deduct	-1,005.99	
			For Class 54 Rating, Add	685.90	
			For Class 55 Rating, Add	1,524.53	
40 05 19 00-2566	EA		48" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,807.16	1,830.50
			For Class 52 Rating, Deduct	-1,103.70	
			For Class 54 Rating, Add	752.53	
			For Class 55 Rating, Add	1,672.61	
40 05 19 00-2567	EA		48" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,700.92	1,832.72
			For Class 52 Rating, Deduct	-1,201.65	
			For Class 54 Rating, Add	819.31	
			For Class 55 Rating, Add	1,821.04	
40 05 19 00-2568	EA		48" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,605.04	1,834.92
			For Class 52 Rating, Deduct	-1,300.73	
			For Class 54 Rating, Add	886.86	
			For Class 55 Rating, Add	1,971.20	
40 05 19 00-2569	EA		48" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,506.05	1,837.14
			For Class 52 Rating, Deduct	-1,399.48	
			For Class 54 Rating, Add	954.19	
			For Class 55 Rating, Add	2,120.84	
40 05 19 00-2570	EA		48" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,409.12	1,839.35
			For Class 52 Rating, Deduct	-1,498.45	
			For Class 54 Rating, Add	1,021.67	
			For Class 55 Rating, Add	2,270.83	
40 05 19 00-2571	EA		48" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,318.41	1,841.56
			For Class 52 Rating, Deduct	-1,598.10	
			For Class 54 Rating, Add	1,089.61	
			For Class 55 Rating, Add	2,421.85	
40 05 19 00-2572	EA		48" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,225.63	1,843.77
			For Class 52 Rating, Deduct	-1,697.52	
			For Class 54 Rating, Add	1,157.40	
			For Class 55 Rating, Add	2,572.52	
40 05 19 00-2573	EA		48" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,131.81	1,845.98
			For Class 52 Rating, Deduct	-1,796.84	
			For Class 54 Rating, Add	1,225.12	
			For Class 55 Rating, Add	2,723.02	
40 05 19 00-2574	EA		48" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,047.32	1,848.19
			For Class 52 Rating, Deduct	-1,897.17	
			For Class 54 Rating, Add	1,293.53	
			For Class 55 Rating, Add	2,875.08	
40 05 19 00-2575	EA		48" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,956.61	1,850.40
			For Class 52 Rating, Deduct	-1,996.83	
			For Class 54 Rating, Add	1,361.47	
			For Class 55 Rating, Add	3,026.10	
40 05 19 00-2576	EA		48" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,873.13	1,852.62
			For Class 52 Rating, Deduct	-2,097.28	
			For Class 54 Rating, Add	1,429.96	
			For Class 55 Rating, Add	3,178.33	
40 05 19 00-2577	EA		48" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,784.51	1,854.82
			For Class 52 Rating, Deduct	-2,197.16	
			For Class 54 Rating, Add	1,498.06	
			For Class 55 Rating, Add	3,329.69	
40 05 19 00-2578	EA		48" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,696.90	1,857.03
			For Class 52 Rating, Deduct	-2,297.15	
			For Class 54 Rating, Add	1,566.24	
			For Class 55 Rating, Add	3,481.23	
40 05 19 00-2579	EA		48" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,615.51	1,859.25
			For Class 52 Rating, Deduct	-2,397.83	
			For Class 54 Rating, Add	1,634.89	
			For Class 55 Rating, Add	3,633.80	
40 05 19 00-2580	EA		48" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,529.98	1,861.45
			For Class 52 Rating, Deduct	-2,498.05	
			For Class 54 Rating, Add	1,703.22	
			For Class 55 Rating, Add	3,785.69	
40 05 19 00-2581	EA		48" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,443.41	1,863.67
			For Class 52 Rating, Deduct	-2,598.16	
			For Class 54 Rating, Add	1,771.48	
			For Class 55 Rating, Add	3,937.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2582 EA 48" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,364.08	1,865.88
<i>For Class 52 Rating, Deduct</i>	-2,699.07	
<i>For Class 54 Rating, Add</i>	1,840.28	
<i>For Class 55 Rating, Add</i>	4,090.32	
40 05 19 00-2583 EA 48" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,279.58	1,868.09
<i>For Class 52 Rating, Deduct</i>	-2,799.41	
<i>For Class 54 Rating, Add</i>	1,908.69	
<i>For Class 55 Rating, Add</i>	4,242.37	
40 05 19 00-2584 EA 48" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,194.05	1,870.30
<i>For Class 52 Rating, Deduct</i>	-2,899.63	
<i>For Class 54 Rating, Add</i>	1,977.02	
<i>For Class 55 Rating, Add</i>	4,394.26	
40 05 19 00-2585 EA 48" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,115.77	1,872.51
<i>For Class 52 Rating, Deduct</i>	-3,000.65	
<i>For Class 54 Rating, Add</i>	2,045.90	
<i>For Class 55 Rating, Add</i>	4,547.35	
40 05 19 00-2586 EA 48" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,033.34	1,874.72
<i>For Class 52 Rating, Deduct</i>	-3,101.21	
<i>For Class 54 Rating, Add</i>	2,114.46	
<i>For Class 55 Rating, Add</i>	4,699.75	
40 05 19 00-2587 EA 48" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,948.84	1,876.93
<i>For Class 52 Rating, Deduct</i>	-3,201.55	
<i>For Class 54 Rating, Add</i>	2,182.88	
<i>For Class 55 Rating, Add</i>	4,851.80	
40 05 19 00-2588 EA 48" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,871.59	1,879.15
<i>For Class 52 Rating, Deduct</i>	-3,302.68	
<i>For Class 54 Rating, Add</i>	2,251.83	
<i>For Class 55 Rating, Add</i>	5,005.07	
40 05 19 00-2589 EA 48" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,789.16	1,881.35
<i>For Class 52 Rating, Deduct</i>	-3,403.25	
<i>For Class 54 Rating, Add</i>	2,320.40	
<i>For Class 55 Rating, Add</i>	5,157.47	
40 05 19 00-2590 EA 48" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,705.70	1,883.56
<i>For Class 52 Rating, Deduct</i>	-3,503.70	
<i>For Class 54 Rating, Add</i>	2,388.89	
<i>For Class 55 Rating, Add</i>	5,309.70	
40 05 19 00-2591 EA 48" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,629.48	1,885.78
<i>For Class 52 Rating, Deduct</i>	-3,604.95	
<i>For Class 54 Rating, Add</i>	2,457.92	
<i>For Class 55 Rating, Add</i>	5,463.13	
40 05 19 00-2592 EA 48" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,548.09	1,887.98
<i>For Class 52 Rating, Deduct</i>	-3,705.63	
<i>For Class 54 Rating, Add</i>	2,526.56	
<i>For Class 55 Rating, Add</i>	5,615.71	
40 05 19 00-2593 EA 48" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,359.03	1,890.20
<i>For Class 52 Rating, Deduct</i>	-3,794.46	
<i>For Class 54 Rating, Add</i>	2,587.13	
<i>For Class 55 Rating, Add</i>	5,750.33	
40 05 19 00-2594 EA 48" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,390.49	1,892.41
<i>For Class 52 Rating, Deduct</i>	-3,907.55	
<i>For Class 54 Rating, Add</i>	2,664.24	
<i>For Class 55 Rating, Add</i>	5,921.72	
40 05 19 00-2595 EA 48" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,308.05	1,894.61
<i>For Class 52 Rating, Deduct</i>	-4,008.12	
<i>For Class 54 Rating, Add</i>	2,732.81	
<i>For Class 55 Rating, Add</i>	6,074.12	
40 05 19 00-2596 EA 48" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,233.91	1,896.83
<i>For Class 52 Rating, Deduct</i>	-4,109.59	
<i>For Class 54 Rating, Add</i>	2,801.99	
<i>For Class 55 Rating, Add</i>	6,227.90	
40 05 19 00-2597 EA 48" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,151.48	1,899.04
<i>For Class 52 Rating, Deduct</i>	-4,210.16	
<i>For Class 54 Rating, Add</i>	2,870.56	
<i>For Class 55 Rating, Add</i>	6,380.30	
40 05 19 00-2598 EA 48" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,069.06	1,901.25
<i>For Class 52 Rating, Deduct</i>	-4,310.72	
<i>For Class 54 Rating, Add</i>	2,939.13	
<i>For Class 55 Rating, Add</i>	6,532.70	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2599	EA		48" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	42,995.95	1,903.46
			<i>For Class 52 Rating, Deduct</i>	-4,412.31	
			<i>For Class 54 Rating, Add</i>	3,008.39	
			<i>For Class 55 Rating, Add</i>	6,686.66	
40 05 19 00-2600			Flanged End x Grooved End (FxG), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2059)</small>		
40 05 19 00-2601			4" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2600)</small>		
40 05 19 00-2602	EA		4" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	338.60	101.17
			<i>For Class 52 Rating, Deduct</i>	-20.39	
			<i>For Class 54 Rating, Add</i>	13.90	
			<i>For Class 55 Rating, Add</i>	30.89	
40 05 19 00-2603	EA		4" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	380.63	102.93
			<i>For Class 52 Rating, Deduct</i>	-24.71	
			<i>For Class 54 Rating, Add</i>	16.85	
			<i>For Class 55 Rating, Add</i>	37.45	
40 05 19 00-2604	EA		4" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	422.65	104.71
			<i>For Class 52 Rating, Deduct</i>	-29.04	
			<i>For Class 54 Rating, Add</i>	19.80	
			<i>For Class 55 Rating, Add</i>	44.01	
40 05 19 00-2605	EA		4" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	464.68	106.47
			<i>For Class 52 Rating, Deduct</i>	-33.37	
			<i>For Class 54 Rating, Add</i>	22.75	
			<i>For Class 55 Rating, Add</i>	50.57	
40 05 19 00-2606	EA		4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	506.69	108.24
			<i>For Class 52 Rating, Deduct</i>	-37.70	
			<i>For Class 54 Rating, Add</i>	25.70	
			<i>For Class 55 Rating, Add</i>	57.13	
40 05 19 00-2607	EA		4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	548.73	110.01
			<i>For Class 52 Rating, Deduct</i>	-42.03	
			<i>For Class 54 Rating, Add</i>	28.65	
			<i>For Class 55 Rating, Add</i>	63.69	
40 05 19 00-2608	EA		4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	590.74	111.78
			<i>For Class 52 Rating, Deduct</i>	-46.35	
			<i>For Class 54 Rating, Add</i>	31.60	
			<i>For Class 55 Rating, Add</i>	70.25	
40 05 19 00-2609	EA		4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	632.78	113.54
			<i>For Class 52 Rating, Deduct</i>	-50.68	
			<i>For Class 54 Rating, Add</i>	34.56	
			<i>For Class 55 Rating, Add</i>	76.81	
40 05 19 00-2610	EA		4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	674.79	115.32
			<i>For Class 52 Rating, Deduct</i>	-55.01	
			<i>For Class 54 Rating, Add</i>	37.51	
			<i>For Class 55 Rating, Add</i>	83.36	
40 05 19 00-2611	EA		4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	716.82	117.08
			<i>For Class 52 Rating, Deduct</i>	-59.34	
			<i>For Class 54 Rating, Add</i>	40.46	
			<i>For Class 55 Rating, Add</i>	89.92	
40 05 19 00-2612	EA		4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	758.84	118.85
			<i>For Class 52 Rating, Deduct</i>	-63.66	
			<i>For Class 54 Rating, Add</i>	43.41	
			<i>For Class 55 Rating, Add</i>	96.48	
40 05 19 00-2613	EA		4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	800.87	120.62
			<i>For Class 52 Rating, Deduct</i>	-67.99	
			<i>For Class 54 Rating, Add</i>	46.36	
			<i>For Class 55 Rating, Add</i>	103.04	
40 05 19 00-2614	EA		4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	842.88	122.39
			<i>For Class 52 Rating, Deduct</i>	-72.32	
			<i>For Class 54 Rating, Add</i>	49.31	
			<i>For Class 55 Rating, Add</i>	109.60	
40 05 19 00-2615	EA		4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	884.92	124.16
			<i>For Class 52 Rating, Deduct</i>	-76.65	
			<i>For Class 54 Rating, Add</i>	52.26	
			<i>For Class 55 Rating, Add</i>	116.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2616 EA 4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	926.93	125.93
<i>For Class 52 Rating, Deduct</i>	-80.98	
<i>For Class 54 Rating, Add</i>	55.21	
<i>For Class 55 Rating, Add</i>	122.71	
40 05 19 00-2617 EA 4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	968.96	127.70
<i>For Class 52 Rating, Deduct</i>	-85.30	
<i>For Class 54 Rating, Add</i>	58.16	
<i>For Class 55 Rating, Add</i>	129.27	
40 05 19 00-2618 EA 4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,010.98	129.46
<i>For Class 52 Rating, Deduct</i>	-89.63	
<i>For Class 54 Rating, Add</i>	61.11	
<i>For Class 55 Rating, Add</i>	135.83	
40 05 19 00-2619 EA 4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,053.00	131.24
<i>For Class 52 Rating, Deduct</i>	-93.96	
<i>For Class 54 Rating, Add</i>	64.06	
<i>For Class 55 Rating, Add</i>	142.39	
40 05 19 00-2620 EA 4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,095.03	133.00
<i>For Class 52 Rating, Deduct</i>	-98.29	
<i>For Class 54 Rating, Add</i>	67.01	
<i>For Class 55 Rating, Add</i>	148.95	
40 05 19 00-2621 EA 4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,137.05	134.77
<i>For Class 52 Rating, Deduct</i>	-102.61	
<i>For Class 54 Rating, Add</i>	69.96	
<i>For Class 55 Rating, Add</i>	155.51	
40 05 19 00-2622 EA 4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,179.07	136.53
<i>For Class 52 Rating, Deduct</i>	-106.94	
<i>For Class 54 Rating, Add</i>	72.92	
<i>For Class 55 Rating, Add</i>	162.07	
40 05 19 00-2623 EA 4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,221.10	138.31
<i>For Class 52 Rating, Deduct</i>	-111.27	
<i>For Class 54 Rating, Add</i>	75.87	
<i>For Class 55 Rating, Add</i>	168.63	
40 05 19 00-2624 EA 4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,263.12	140.07
<i>For Class 52 Rating, Deduct</i>	-115.60	
<i>For Class 54 Rating, Add</i>	78.82	
<i>For Class 55 Rating, Add</i>	175.18	
40 05 19 00-2625 EA 4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,305.14	141.84
<i>For Class 52 Rating, Deduct</i>	-119.93	
<i>For Class 54 Rating, Add</i>	81.77	
<i>For Class 55 Rating, Add</i>	181.74	
40 05 19 00-2626 EA 4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,347.17	143.61
<i>For Class 52 Rating, Deduct</i>	-124.25	
<i>For Class 54 Rating, Add</i>	84.72	
<i>For Class 55 Rating, Add</i>	188.30	
40 05 19 00-2627 EA 4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,389.19	145.38
<i>For Class 52 Rating, Deduct</i>	-128.58	
<i>For Class 54 Rating, Add</i>	87.67	
<i>For Class 55 Rating, Add</i>	194.86	
40 05 19 00-2628 EA 4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,431.22	147.14
<i>For Class 52 Rating, Deduct</i>	-132.91	
<i>For Class 54 Rating, Add</i>	90.62	
<i>For Class 55 Rating, Add</i>	201.42	
40 05 19 00-2629 EA 4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,473.24	148.92
<i>For Class 52 Rating, Deduct</i>	-137.24	
<i>For Class 54 Rating, Add</i>	93.57	
<i>For Class 55 Rating, Add</i>	207.98	
40 05 19 00-2630 EA 4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,515.26	150.69
<i>For Class 52 Rating, Deduct</i>	-141.56	
<i>For Class 54 Rating, Add</i>	96.52	
<i>For Class 55 Rating, Add</i>	214.53	
40 05 19 00-2631 EA 4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,557.29	152.45
<i>For Class 52 Rating, Deduct</i>	-145.89	
<i>For Class 54 Rating, Add</i>	99.47	
<i>For Class 55 Rating, Add</i>	221.09	
40 05 19 00-2632 EA 4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,599.31	154.23
<i>For Class 52 Rating, Deduct</i>	-150.22	
<i>For Class 54 Rating, Add</i>	102.42	
<i>For Class 55 Rating, Add</i>	227.65	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2633	EA		4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,641.33	155.99
			<i>For Class 52 Rating, Deduct</i>	-154.55	
			<i>For Class 54 Rating, Add</i>	105.37	
			<i>For Class 55 Rating, Add</i>	234.21	
40 05 19 00-2634	EA		4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,683.36	157.76
			<i>For Class 52 Rating, Deduct</i>	-158.88	
			<i>For Class 54 Rating, Add</i>	108.32	
			<i>For Class 55 Rating, Add</i>	240.77	
40 05 19 00-2635	EA		4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,725.38	159.53
			<i>For Class 52 Rating, Deduct</i>	-163.20	
			<i>For Class 54 Rating, Add</i>	111.28	
			<i>For Class 55 Rating, Add</i>	247.33	
40 05 19 00-2636	EA		4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,767.39	161.30
			<i>For Class 52 Rating, Deduct</i>	-167.53	
			<i>For Class 54 Rating, Add</i>	114.23	
			<i>For Class 55 Rating, Add</i>	253.89	
40 05 19 00-2637	EA		4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,809.43	163.06
			<i>For Class 52 Rating, Deduct</i>	-171.86	
			<i>For Class 54 Rating, Add</i>	117.18	
			<i>For Class 55 Rating, Add</i>	260.45	
40 05 19 00-2638	EA		4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,851.44	164.84
			<i>For Class 52 Rating, Deduct</i>	-176.19	
			<i>For Class 54 Rating, Add</i>	120.13	
			<i>For Class 55 Rating, Add</i>	267.00	
40 05 19 00-2639	EA		4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,883.12	166.60
			<i>For Class 52 Rating, Deduct</i>	-179.38	
			<i>For Class 54 Rating, Add</i>	122.30	
			<i>For Class 55 Rating, Add</i>	271.84	
40 05 19 00-2640	EA		4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,935.49	168.37
			<i>For Class 52 Rating, Deduct</i>	-184.84	
			<i>For Class 54 Rating, Add</i>	126.03	
			<i>For Class 55 Rating, Add</i>	280.12	
40 05 19 00-2641			<b>6" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-2600)</small>		
40 05 19 00-2642	EA		6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	436.25	127.34
			<i>For Class 52 Rating, Deduct</i>	-26.76	
			<i>For Class 54 Rating, Add</i>	18.25	
			<i>For Class 55 Rating, Add</i>	40.56	
40 05 19 00-2643	EA		6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	484.48	129.11
			<i>For Class 52 Rating, Deduct</i>	-31.78	
			<i>For Class 54 Rating, Add</i>	21.67	
			<i>For Class 55 Rating, Add</i>	48.15	
40 05 19 00-2644	EA		6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	532.72	130.87
			<i>For Class 52 Rating, Deduct</i>	-36.79	
			<i>For Class 54 Rating, Add</i>	25.08	
			<i>For Class 55 Rating, Add</i>	55.75	
40 05 19 00-2645	EA		6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	580.95	132.65
			<i>For Class 52 Rating, Deduct</i>	-41.80	
			<i>For Class 54 Rating, Add</i>	28.50	
			<i>For Class 55 Rating, Add</i>	63.34	
40 05 19 00-2646	EA		6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	629.19	134.41
			<i>For Class 52 Rating, Deduct</i>	-46.81	
			<i>For Class 54 Rating, Add</i>	31.91	
			<i>For Class 55 Rating, Add</i>	70.94	
40 05 19 00-2647	EA		6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	677.42	136.18
			<i>For Class 52 Rating, Deduct</i>	-51.82	
			<i>For Class 54 Rating, Add</i>	35.33	
			<i>For Class 55 Rating, Add</i>	78.53	
40 05 19 00-2648	EA		6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	725.66	137.95
			<i>For Class 52 Rating, Deduct</i>	-56.83	
			<i>For Class 54 Rating, Add</i>	38.75	
			<i>For Class 55 Rating, Add</i>	86.12	
40 05 19 00-2649	EA		6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	773.89	139.72
			<i>For Class 52 Rating, Deduct</i>	-61.84	
			<i>For Class 54 Rating, Add</i>	42.17	
			<i>For Class 55 Rating, Add</i>	93.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2650 EA 6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	822.14	141.49
<i>For Class 52 Rating, Deduct</i>	-66.85	
<i>For Class 54 Rating, Add</i>	45.58	
<i>For Class 55 Rating, Add</i>	101.31	
40 05 19 00-2651 EA 6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	870.36	143.26
<i>For Class 52 Rating, Deduct</i>	-71.86	
<i>For Class 54 Rating, Add</i>	49.00	
<i>For Class 55 Rating, Add</i>	108.91	
40 05 19 00-2652 EA 6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	918.61	145.03
<i>For Class 52 Rating, Deduct</i>	-76.88	
<i>For Class 54 Rating, Add</i>	52.42	
<i>For Class 55 Rating, Add</i>	116.50	
40 05 19 00-2653 EA 6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	966.83	146.79
<i>For Class 52 Rating, Deduct</i>	-81.89	
<i>For Class 54 Rating, Add</i>	55.83	
<i>For Class 55 Rating, Add</i>	124.09	
40 05 19 00-2654 EA 6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,015.08	148.57
<i>For Class 52 Rating, Deduct</i>	-86.90	
<i>For Class 54 Rating, Add</i>	59.25	
<i>For Class 55 Rating, Add</i>	131.69	
40 05 19 00-2655 EA 6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,063.31	150.33
<i>For Class 52 Rating, Deduct</i>	-91.91	
<i>For Class 54 Rating, Add</i>	62.67	
<i>For Class 55 Rating, Add</i>	139.28	
40 05 19 00-2656 EA 6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,111.55	152.10
<i>For Class 52 Rating, Deduct</i>	-96.92	
<i>For Class 54 Rating, Add</i>	66.08	
<i>For Class 55 Rating, Add</i>	146.88	
40 05 19 00-2657 EA 6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,159.78	153.87
<i>For Class 52 Rating, Deduct</i>	-101.93	
<i>For Class 54 Rating, Add</i>	69.50	
<i>For Class 55 Rating, Add</i>	154.47	
40 05 19 00-2658 EA 6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,208.02	155.64
<i>For Class 52 Rating, Deduct</i>	-106.94	
<i>For Class 54 Rating, Add</i>	72.92	
<i>For Class 55 Rating, Add</i>	162.07	
40 05 19 00-2659 EA 6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,256.25	157.40
<i>For Class 52 Rating, Deduct</i>	-111.95	
<i>For Class 54 Rating, Add</i>	76.33	
<i>For Class 55 Rating, Add</i>	169.66	
40 05 19 00-2660 EA 6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,304.49	159.18
<i>For Class 52 Rating, Deduct</i>	-116.96	
<i>For Class 54 Rating, Add</i>	79.75	
<i>For Class 55 Rating, Add</i>	177.25	
40 05 19 00-2661 EA 6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,352.72	160.94
<i>For Class 52 Rating, Deduct</i>	-121.98	
<i>For Class 54 Rating, Add</i>	83.17	
<i>For Class 55 Rating, Add</i>	184.85	
40 05 19 00-2662 EA 6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,400.96	162.71
<i>For Class 52 Rating, Deduct</i>	-126.99	
<i>For Class 54 Rating, Add</i>	86.58	
<i>For Class 55 Rating, Add</i>	192.44	
40 05 19 00-2663 EA 6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,449.19	164.48
<i>For Class 52 Rating, Deduct</i>	-132.00	
<i>For Class 54 Rating, Add</i>	90.00	
<i>For Class 55 Rating, Add</i>	200.04	
40 05 19 00-2664 EA 6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,497.43	166.25
<i>For Class 52 Rating, Deduct</i>	-137.01	
<i>For Class 54 Rating, Add</i>	93.42	
<i>For Class 55 Rating, Add</i>	207.63	
40 05 19 00-2665 EA 6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,545.66	168.02
<i>For Class 52 Rating, Deduct</i>	-142.02	
<i>For Class 54 Rating, Add</i>	96.83	
<i>For Class 55 Rating, Add</i>	215.22	
40 05 19 00-2666 EA 6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,593.90	169.79
<i>For Class 52 Rating, Deduct</i>	-147.03	
<i>For Class 54 Rating, Add</i>	100.25	
<i>For Class 55 Rating, Add</i>	222.82	



**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2667	EA		6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,642.14	171.56
			<i>For Class 52 Rating, Deduct</i>	-152.04	
			<i>For Class 54 Rating, Add</i>	103.67	
			<i>For Class 55 Rating, Add</i>	230.41	
40 05 19 00-2668	EA		6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,690.37	173.32
			<i>For Class 52 Rating, Deduct</i>	-157.05	
			<i>For Class 54 Rating, Add</i>	107.08	
			<i>For Class 55 Rating, Add</i>	238.01	
40 05 19 00-2669	EA		6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,738.61	175.10
			<i>For Class 52 Rating, Deduct</i>	-162.07	
			<i>For Class 54 Rating, Add</i>	110.50	
			<i>For Class 55 Rating, Add</i>	245.60	
40 05 19 00-2670	EA		6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,786.84	176.86
			<i>For Class 52 Rating, Deduct</i>	-167.08	
			<i>For Class 54 Rating, Add</i>	113.92	
			<i>For Class 55 Rating, Add</i>	253.20	
40 05 19 00-2671	EA		6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,835.08	178.63
			<i>For Class 52 Rating, Deduct</i>	-172.09	
			<i>For Class 54 Rating, Add</i>	117.33	
			<i>For Class 55 Rating, Add</i>	260.79	
40 05 19 00-2672	EA		6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,883.31	180.40
			<i>For Class 52 Rating, Deduct</i>	-177.10	
			<i>For Class 54 Rating, Add</i>	120.75	
			<i>For Class 55 Rating, Add</i>	268.38	
40 05 19 00-2673	EA		6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,931.55	182.17
			<i>For Class 52 Rating, Deduct</i>	-182.11	
			<i>For Class 54 Rating, Add</i>	124.17	
			<i>For Class 55 Rating, Add</i>	275.98	
40 05 19 00-2674	EA		6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,979.79	183.93
			<i>For Class 52 Rating, Deduct</i>	-187.12	
			<i>For Class 54 Rating, Add</i>	127.58	
			<i>For Class 55 Rating, Add</i>	283.57	
40 05 19 00-2675	EA		6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,028.02	185.71
			<i>For Class 52 Rating, Deduct</i>	-192.13	
			<i>For Class 54 Rating, Add</i>	131.00	
			<i>For Class 55 Rating, Add</i>	291.17	
40 05 19 00-2676	EA		6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,076.26	187.47
			<i>For Class 52 Rating, Deduct</i>	-197.14	
			<i>For Class 54 Rating, Add</i>	134.42	
			<i>For Class 55 Rating, Add</i>	298.76	
40 05 19 00-2677	EA		6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,124.49	189.24
			<i>For Class 52 Rating, Deduct</i>	-202.15	
			<i>For Class 54 Rating, Add</i>	137.83	
			<i>For Class 55 Rating, Add</i>	306.35	
40 05 19 00-2678	EA		6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,172.73	191.00
			<i>For Class 52 Rating, Deduct</i>	-207.17	
			<i>For Class 54 Rating, Add</i>	141.25	
			<i>For Class 55 Rating, Add</i>	313.95	
40 05 19 00-2679	EA		6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,220.96	192.78
			<i>For Class 52 Rating, Deduct</i>	-212.18	
			<i>For Class 54 Rating, Add</i>	144.67	
			<i>For Class 55 Rating, Add</i>	321.54	
40 05 19 00-2680	EA		6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,269.20	194.54
			<i>For Class 52 Rating, Deduct</i>	-217.19	
			<i>For Class 54 Rating, Add</i>	148.08	
			<i>For Class 55 Rating, Add</i>	329.14	
40 05 19 00-2681			<b>8" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b>		
			<small>(40 05 19 00-2600)</small>		
40 05 19 00-2682	EA		8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	592.34	162.71
			<i>For Class 52 Rating, Deduct</i>	-38.04	
			<i>For Class 54 Rating, Add</i>	25.94	
			<i>For Class 55 Rating, Add</i>	57.65	
40 05 19 00-2683	EA		8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	654.04	164.48
			<i>For Class 52 Rating, Deduct</i>	-44.53	
			<i>For Class 54 Rating, Add</i>	30.36	
			<i>For Class 55 Rating, Add</i>	67.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2684 EA 8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	715.73	166.25
<i>For Class 52 Rating, Deduct</i>	-51.02	
<i>For Class 54 Rating, Add</i>	34.79	
<i>For Class 55 Rating, Add</i>	77.32	
40 05 19 00-2685 EA 8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	777.43	168.02
<i>For Class 52 Rating, Deduct</i>	-57.51	
<i>For Class 54 Rating, Add</i>	39.21	
<i>For Class 55 Rating, Add</i>	87.16	
40 05 19 00-2686 EA 8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	839.12	169.79
<i>For Class 52 Rating, Deduct</i>	-64.01	
<i>For Class 54 Rating, Add</i>	43.64	
<i>For Class 55 Rating, Add</i>	97.00	
40 05 19 00-2687 EA 8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	900.82	171.56
<i>For Class 52 Rating, Deduct</i>	-70.50	
<i>For Class 54 Rating, Add</i>	48.07	
<i>For Class 55 Rating, Add</i>	106.84	
40 05 19 00-2688 EA 8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	962.51	173.32
<i>For Class 52 Rating, Deduct</i>	-76.99	
<i>For Class 54 Rating, Add</i>	52.49	
<i>For Class 55 Rating, Add</i>	116.67	
40 05 19 00-2689 EA 8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,024.21	175.10
<i>For Class 52 Rating, Deduct</i>	-83.48	
<i>For Class 54 Rating, Add</i>	56.92	
<i>For Class 55 Rating, Add</i>	126.51	
40 05 19 00-2690 EA 8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,085.90	176.86
<i>For Class 52 Rating, Deduct</i>	-89.97	
<i>For Class 54 Rating, Add</i>	61.34	
<i>For Class 55 Rating, Add</i>	136.35	
40 05 19 00-2691 EA 8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,147.60	178.63
<i>For Class 52 Rating, Deduct</i>	-96.46	
<i>For Class 54 Rating, Add</i>	65.77	
<i>For Class 55 Rating, Add</i>	146.19	
40 05 19 00-2692 EA 8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,209.30	180.40
<i>For Class 52 Rating, Deduct</i>	-102.96	
<i>For Class 54 Rating, Add</i>	70.20	
<i>For Class 55 Rating, Add</i>	156.03	
40 05 19 00-2693 EA 8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,270.99	182.17
<i>For Class 52 Rating, Deduct</i>	-109.45	
<i>For Class 54 Rating, Add</i>	74.62	
<i>For Class 55 Rating, Add</i>	165.86	
40 05 19 00-2694 EA 8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,332.69	183.93
<i>For Class 52 Rating, Deduct</i>	-115.94	
<i>For Class 54 Rating, Add</i>	79.05	
<i>For Class 55 Rating, Add</i>	175.70	
40 05 19 00-2695 EA 8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,394.38	185.71
<i>For Class 52 Rating, Deduct</i>	-122.43	
<i>For Class 54 Rating, Add</i>	83.48	
<i>For Class 55 Rating, Add</i>	185.54	
40 05 19 00-2696 EA 8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,456.08	187.47
<i>For Class 52 Rating, Deduct</i>	-128.92	
<i>For Class 54 Rating, Add</i>	87.90	
<i>For Class 55 Rating, Add</i>	195.38	
40 05 19 00-2697 EA 8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,517.77	189.24
<i>For Class 52 Rating, Deduct</i>	-135.41	
<i>For Class 54 Rating, Add</i>	92.33	
<i>For Class 55 Rating, Add</i>	205.21	
40 05 19 00-2698 EA 8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,579.47	191.00
<i>For Class 52 Rating, Deduct</i>	-141.91	
<i>For Class 54 Rating, Add</i>	96.75	
<i>For Class 55 Rating, Add</i>	215.05	
40 05 19 00-2699 EA 8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,641.15	192.78
<i>For Class 52 Rating, Deduct</i>	-148.40	
<i>For Class 54 Rating, Add</i>	101.18	
<i>For Class 55 Rating, Add</i>	224.89	
40 05 19 00-2700 EA 8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,702.86	194.54
<i>For Class 52 Rating, Deduct</i>	-154.89	
<i>For Class 54 Rating, Add</i>	105.61	
<i>For Class 55 Rating, Add</i>	234.73	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2701	EA		8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,764.55	196.31
			<i>For Class 52 Rating, Deduct</i>	-161.38	
			<i>For Class 54 Rating, Add</i>	110.03	
			<i>For Class 55 Rating, Add</i>	244.57	
40 05 19 00-2702	EA		8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,826.25	198.09
			<i>For Class 52 Rating, Deduct</i>	-167.87	
			<i>For Class 54 Rating, Add</i>	114.46	
			<i>For Class 55 Rating, Add</i>	254.40	
40 05 19 00-2703	EA		8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,887.94	199.85
			<i>For Class 52 Rating, Deduct</i>	-174.37	
			<i>For Class 54 Rating, Add</i>	118.89	
			<i>For Class 55 Rating, Add</i>	264.24	
40 05 19 00-2704	EA		8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,949.64	201.62
			<i>For Class 52 Rating, Deduct</i>	-180.86	
			<i>For Class 54 Rating, Add</i>	123.31	
			<i>For Class 55 Rating, Add</i>	274.08	
40 05 19 00-2705	EA		8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,011.33	203.39
			<i>For Class 52 Rating, Deduct</i>	-187.35	
			<i>For Class 54 Rating, Add</i>	127.74	
			<i>For Class 55 Rating, Add</i>	283.92	
40 05 19 00-2706	EA		8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,073.03	205.16
			<i>For Class 52 Rating, Deduct</i>	-193.84	
			<i>For Class 54 Rating, Add</i>	132.16	
			<i>For Class 55 Rating, Add</i>	293.76	
40 05 19 00-2707	EA		8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,134.72	206.92
			<i>For Class 52 Rating, Deduct</i>	-200.33	
			<i>For Class 54 Rating, Add</i>	136.59	
			<i>For Class 55 Rating, Add</i>	303.59	
40 05 19 00-2708	EA		8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,196.42	208.70
			<i>For Class 52 Rating, Deduct</i>	-206.82	
			<i>For Class 54 Rating, Add</i>	141.02	
			<i>For Class 55 Rating, Add</i>	313.43	
40 05 19 00-2709	EA		8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,258.11	210.46
			<i>For Class 52 Rating, Deduct</i>	-213.32	
			<i>For Class 54 Rating, Add</i>	145.44	
			<i>For Class 55 Rating, Add</i>	323.27	
40 05 19 00-2710	EA		8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,319.81	212.23
			<i>For Class 52 Rating, Deduct</i>	-219.81	
			<i>For Class 54 Rating, Add</i>	149.87	
			<i>For Class 55 Rating, Add</i>	333.11	
40 05 19 00-2711	EA		8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,381.50	214.00
			<i>For Class 52 Rating, Deduct</i>	-226.30	
			<i>For Class 54 Rating, Add</i>	154.29	
			<i>For Class 55 Rating, Add</i>	342.95	
40 05 19 00-2712	EA		8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,443.21	215.77
			<i>For Class 52 Rating, Deduct</i>	-232.79	
			<i>For Class 54 Rating, Add</i>	158.72	
			<i>For Class 55 Rating, Add</i>	352.78	
40 05 19 00-2713	EA		8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,504.89	217.53
			<i>For Class 52 Rating, Deduct</i>	-239.28	
			<i>For Class 54 Rating, Add</i>	163.15	
			<i>For Class 55 Rating, Add</i>	362.62	
40 05 19 00-2714	EA		8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,566.60	219.31
			<i>For Class 52 Rating, Deduct</i>	-245.77	
			<i>For Class 54 Rating, Add</i>	167.57	
			<i>For Class 55 Rating, Add</i>	372.46	
40 05 19 00-2715	EA		8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,628.28	221.07
			<i>For Class 52 Rating, Deduct</i>	-252.27	
			<i>For Class 54 Rating, Add</i>	172.00	
			<i>For Class 55 Rating, Add</i>	382.30	
40 05 19 00-2716	EA		8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,689.99	222.84
			<i>For Class 52 Rating, Deduct</i>	-258.76	
			<i>For Class 54 Rating, Add</i>	176.43	
			<i>For Class 55 Rating, Add</i>	392.14	
40 05 19 00-2717	EA		8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,751.67	224.62
			<i>For Class 52 Rating, Deduct</i>	-265.25	
			<i>For Class 54 Rating, Add</i>	180.85	
			<i>For Class 55 Rating, Add</i>	401.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2718 EA 8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,813.37	226.38
<i>For Class 52 Rating, Deduct</i>	-271.74	
<i>For Class 54 Rating, Add</i>	185.28	
<i>For Class 55 Rating, Add</i>	411.81	
40 05 19 00-2719 EA 8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,875.06	228.15
<i>For Class 52 Rating, Deduct</i>	-278.23	
<i>For Class 54 Rating, Add</i>	189.70	
<i>For Class 55 Rating, Add</i>	421.65	
40 05 19 00-2720 EA 8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,936.76	229.92
<i>For Class 52 Rating, Deduct</i>	-284.72	
<i>For Class 54 Rating, Add</i>	194.13	
<i>For Class 55 Rating, Add</i>	431.49	
<b>40 05 19 00-2721 10" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2600)</small></b>		
40 05 19 00-2722 EA 10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	741.19	198.09
<i>For Class 52 Rating, Deduct</i>	-48.52	
<i>For Class 54 Rating, Add</i>	33.08	
<i>For Class 55 Rating, Add</i>	73.52	
40 05 19 00-2723 EA 10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	820.48	199.85
<i>For Class 52 Rating, Deduct</i>	-56.94	
<i>For Class 54 Rating, Add</i>	38.83	
<i>For Class 55 Rating, Add</i>	86.30	
40 05 19 00-2724 EA 10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	899.79	201.62
<i>For Class 52 Rating, Deduct</i>	-65.37	
<i>For Class 54 Rating, Add</i>	44.57	
<i>For Class 55 Rating, Add</i>	99.07	
40 05 19 00-2725 EA 10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	979.07	203.39
<i>For Class 52 Rating, Deduct</i>	-73.80	
<i>For Class 54 Rating, Add</i>	50.32	
<i>For Class 55 Rating, Add</i>	111.84	
40 05 19 00-2726 EA 10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,058.38	205.16
<i>For Class 52 Rating, Deduct</i>	-82.23	
<i>For Class 54 Rating, Add</i>	56.06	
<i>For Class 55 Rating, Add</i>	124.61	
40 05 19 00-2727 EA 10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,137.67	206.92
<i>For Class 52 Rating, Deduct</i>	-90.66	
<i>For Class 54 Rating, Add</i>	61.81	
<i>For Class 55 Rating, Add</i>	137.39	
40 05 19 00-2728 EA 10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,216.97	208.70
<i>For Class 52 Rating, Deduct</i>	-99.08	
<i>For Class 54 Rating, Add</i>	67.56	
<i>For Class 55 Rating, Add</i>	150.16	
40 05 19 00-2729 EA 10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,296.26	210.46
<i>For Class 52 Rating, Deduct</i>	-107.51	
<i>For Class 54 Rating, Add</i>	73.30	
<i>For Class 55 Rating, Add</i>	162.93	
40 05 19 00-2730 EA 10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,375.57	212.23
<i>For Class 52 Rating, Deduct</i>	-115.94	
<i>For Class 54 Rating, Add</i>	79.05	
<i>For Class 55 Rating, Add</i>	175.70	
40 05 19 00-2731 EA 10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,454.85	214.00
<i>For Class 52 Rating, Deduct</i>	-124.37	
<i>For Class 54 Rating, Add</i>	84.80	
<i>For Class 55 Rating, Add</i>	188.47	
40 05 19 00-2732 EA 10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,534.16	215.77
<i>For Class 52 Rating, Deduct</i>	-132.80	
<i>For Class 54 Rating, Add</i>	90.54	
<i>For Class 55 Rating, Add</i>	201.25	
40 05 19 00-2733 EA 10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,613.45	217.53
<i>For Class 52 Rating, Deduct</i>	-141.22	
<i>For Class 54 Rating, Add</i>	96.29	
<i>For Class 55 Rating, Add</i>	214.02	
40 05 19 00-2734 EA 10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,692.75	219.31
<i>For Class 52 Rating, Deduct</i>	-149.65	
<i>For Class 54 Rating, Add</i>	102.03	
<i>For Class 55 Rating, Add</i>	226.79	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2735	EA		10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,772.04	221.07
			<i>For Class 52 Rating, Deduct</i>	-158.08	
			<i>For Class 54 Rating, Add</i>	107.78	
			<i>For Class 55 Rating, Add</i>	239.56	
40 05 19 00-2736	EA		10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,851.35	222.84
			<i>For Class 52 Rating, Deduct</i>	-166.51	
			<i>For Class 54 Rating, Add</i>	113.53	
			<i>For Class 55 Rating, Add</i>	252.33	
40 05 19 00-2737	EA		10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,930.63	224.62
			<i>For Class 52 Rating, Deduct</i>	-174.93	
			<i>For Class 54 Rating, Add</i>	119.27	
			<i>For Class 55 Rating, Add</i>	265.10	
40 05 19 00-2738	EA		10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,009.93	226.38
			<i>For Class 52 Rating, Deduct</i>	-183.36	
			<i>For Class 54 Rating, Add</i>	125.02	
			<i>For Class 55 Rating, Add</i>	277.88	
40 05 19 00-2739	EA		10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,089.23	228.15
			<i>For Class 52 Rating, Deduct</i>	-191.79	
			<i>For Class 54 Rating, Add</i>	130.77	
			<i>For Class 55 Rating, Add</i>	290.65	
40 05 19 00-2740	EA		10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,168.52	229.92
			<i>For Class 52 Rating, Deduct</i>	-200.22	
			<i>For Class 54 Rating, Add</i>	136.51	
			<i>For Class 55 Rating, Add</i>	303.42	
40 05 19 00-2741	EA		10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,247.82	231.69
			<i>For Class 52 Rating, Deduct</i>	-208.65	
			<i>For Class 54 Rating, Add</i>	142.26	
			<i>For Class 55 Rating, Add</i>	316.19	
40 05 19 00-2742	EA		10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,327.12	233.45
			<i>For Class 52 Rating, Deduct</i>	-217.07	
			<i>For Class 54 Rating, Add</i>	148.01	
			<i>For Class 55 Rating, Add</i>	328.97	
40 05 19 00-2743	EA		10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,406.41	235.23
			<i>For Class 52 Rating, Deduct</i>	-225.50	
			<i>For Class 54 Rating, Add</i>	153.75	
			<i>For Class 55 Rating, Add</i>	341.74	
40 05 19 00-2744	EA		10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,485.71	236.99
			<i>For Class 52 Rating, Deduct</i>	-233.93	
			<i>For Class 54 Rating, Add</i>	159.50	
			<i>For Class 55 Rating, Add</i>	354.51	
40 05 19 00-2745	EA		10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,565.01	238.76
			<i>For Class 52 Rating, Deduct</i>	-242.36	
			<i>For Class 54 Rating, Add</i>	165.24	
			<i>For Class 55 Rating, Add</i>	367.28	
40 05 19 00-2746	EA		10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,644.30	240.53
			<i>For Class 52 Rating, Deduct</i>	-250.78	
			<i>For Class 54 Rating, Add</i>	170.99	
			<i>For Class 55 Rating, Add</i>	380.05	
40 05 19 00-2747	EA		10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,723.60	242.30
			<i>For Class 52 Rating, Deduct</i>	-259.21	
			<i>For Class 54 Rating, Add</i>	176.74	
			<i>For Class 55 Rating, Add</i>	392.83	
40 05 19 00-2748	EA		10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,802.90	244.06
			<i>For Class 52 Rating, Deduct</i>	-267.64	
			<i>For Class 54 Rating, Add</i>	182.48	
			<i>For Class 55 Rating, Add</i>	405.60	
40 05 19 00-2749	EA		10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,882.19	245.84
			<i>For Class 52 Rating, Deduct</i>	-276.07	
			<i>For Class 54 Rating, Add</i>	188.23	
			<i>For Class 55 Rating, Add</i>	418.37	
40 05 19 00-2750	EA		10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,961.49	247.60
			<i>For Class 52 Rating, Deduct</i>	-284.50	
			<i>For Class 54 Rating, Add</i>	193.97	
			<i>For Class 55 Rating, Add</i>	431.14	
40 05 19 00-2751	EA		10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,040.79	249.37
			<i>For Class 52 Rating, Deduct</i>	-292.92	
			<i>For Class 54 Rating, Add</i>	199.72	
			<i>For Class 55 Rating, Add</i>	443.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2752 EA 10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,120.08	251.15
<i>For Class 52 Rating, Deduct</i>	-301.35	
<i>For Class 54 Rating, Add</i>	205.47	
<i>For Class 55 Rating, Add</i>	456.68	
40 05 19 00-2753 EA 10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,199.38	252.91
<i>For Class 52 Rating, Deduct</i>	-309.78	
<i>For Class 54 Rating, Add</i>	211.21	
<i>For Class 55 Rating, Add</i>	469.46	
40 05 19 00-2754 EA 10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,278.68	254.68
<i>For Class 52 Rating, Deduct</i>	-318.21	
<i>For Class 54 Rating, Add</i>	216.96	
<i>For Class 55 Rating, Add</i>	482.23	
40 05 19 00-2755 EA 10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,357.97	256.45
<i>For Class 52 Rating, Deduct</i>	-326.64	
<i>For Class 54 Rating, Add</i>	222.71	
<i>For Class 55 Rating, Add</i>	495.00	
40 05 19 00-2756 EA 10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,437.27	258.22
<i>For Class 52 Rating, Deduct</i>	-335.06	
<i>For Class 54 Rating, Add</i>	228.45	
<i>For Class 55 Rating, Add</i>	507.77	
40 05 19 00-2757 EA 10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,516.56	259.98
<i>For Class 52 Rating, Deduct</i>	-343.49	
<i>For Class 54 Rating, Add</i>	234.20	
<i>For Class 55 Rating, Add</i>	520.55	
40 05 19 00-2758 EA 10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,595.86	261.76
<i>For Class 52 Rating, Deduct</i>	-351.92	
<i>For Class 54 Rating, Add</i>	239.94	
<i>For Class 55 Rating, Add</i>	533.32	
40 05 19 00-2759 EA 10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,675.15	263.52
<i>For Class 52 Rating, Deduct</i>	-360.35	
<i>For Class 54 Rating, Add</i>	245.69	
<i>For Class 55 Rating, Add</i>	546.09	
40 05 19 00-2760 EA 10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,754.46	265.29
<i>For Class 52 Rating, Deduct</i>	-368.78	
<i>For Class 54 Rating, Add</i>	251.44	
<i>For Class 55 Rating, Add</i>	558.86	
<b>40 05 19 00-2761 12" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-2600)</small>		
40 05 19 00-2762 EA 12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	954.96	247.60
<i>For Class 52 Rating, Deduct</i>	-63.78	
<i>For Class 54 Rating, Add</i>	43.49	
<i>For Class 55 Rating, Add</i>	96.65	
40 05 19 00-2763 EA 12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,052.89	249.37
<i>For Class 52 Rating, Deduct</i>	-74.26	
<i>For Class 54 Rating, Add</i>	50.63	
<i>For Class 55 Rating, Add</i>	112.53	
40 05 19 00-2764 EA 12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,150.83	251.15
<i>For Class 52 Rating, Deduct</i>	-84.73	
<i>For Class 54 Rating, Add</i>	57.77	
<i>For Class 55 Rating, Add</i>	128.41	
40 05 19 00-2765 EA 12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,248.76	252.91
<i>For Class 52 Rating, Deduct</i>	-95.21	
<i>For Class 54 Rating, Add</i>	64.92	
<i>For Class 55 Rating, Add</i>	144.29	
40 05 19 00-2766 EA 12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,346.69	254.68
<i>For Class 52 Rating, Deduct</i>	-105.69	
<i>For Class 54 Rating, Add</i>	72.06	
<i>For Class 55 Rating, Add</i>	160.17	
40 05 19 00-2767 EA 12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,444.63	256.45
<i>For Class 52 Rating, Deduct</i>	-116.17	
<i>For Class 54 Rating, Add</i>	79.21	
<i>For Class 55 Rating, Add</i>	176.05	
40 05 19 00-2768 EA 12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,542.56	258.22
<i>For Class 52 Rating, Deduct</i>	-126.65	
<i>For Class 54 Rating, Add</i>	86.35	
<i>For Class 55 Rating, Add</i>	191.93	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2769	EA		12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,640.48	259.98
			<i>For Class 52 Rating, Deduct</i>	-137.12	
			<i>For Class 54 Rating, Add</i>	93.49	
			<i>For Class 55 Rating, Add</i>	207.80	
40 05 19 00-2770	EA		12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,738.43	261.76
			<i>For Class 52 Rating, Deduct</i>	-147.60	
			<i>For Class 54 Rating, Add</i>	100.64	
			<i>For Class 55 Rating, Add</i>	223.68	
40 05 19 00-2771	EA		12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,836.35	263.52
			<i>For Class 52 Rating, Deduct</i>	-158.08	
			<i>For Class 54 Rating, Add</i>	107.78	
			<i>For Class 55 Rating, Add</i>	239.56	
40 05 19 00-2772	EA		12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,934.29	265.29
			<i>For Class 52 Rating, Deduct</i>	-168.56	
			<i>For Class 54 Rating, Add</i>	114.92	
			<i>For Class 55 Rating, Add</i>	255.44	
40 05 19 00-2773	EA		12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,032.22	267.06
			<i>For Class 52 Rating, Deduct</i>	-179.03	
			<i>For Class 54 Rating, Add</i>	122.07	
			<i>For Class 55 Rating, Add</i>	271.32	
40 05 19 00-2774	EA		12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,130.16	268.83
			<i>For Class 52 Rating, Deduct</i>	-189.51	
			<i>For Class 54 Rating, Add</i>	129.21	
			<i>For Class 55 Rating, Add</i>	287.20	
40 05 19 00-2775	EA		12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,228.08	270.59
			<i>For Class 52 Rating, Deduct</i>	-199.99	
			<i>For Class 54 Rating, Add</i>	136.36	
			<i>For Class 55 Rating, Add</i>	303.08	
40 05 19 00-2776	EA		12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,326.03	272.37
			<i>For Class 52 Rating, Deduct</i>	-210.47	
			<i>For Class 54 Rating, Add</i>	143.50	
			<i>For Class 55 Rating, Add</i>	318.96	
40 05 19 00-2777	EA		12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,423.95	274.13
			<i>For Class 52 Rating, Deduct</i>	-220.95	
			<i>For Class 54 Rating, Add</i>	150.65	
			<i>For Class 55 Rating, Add</i>	334.83	
40 05 19 00-2778	EA		12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,521.89	275.90
			<i>For Class 52 Rating, Deduct</i>	-231.42	
			<i>For Class 54 Rating, Add</i>	157.79	
			<i>For Class 55 Rating, Add</i>	350.71	
40 05 19 00-2779	EA		12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,619.81	277.67
			<i>For Class 52 Rating, Deduct</i>	-241.90	
			<i>For Class 54 Rating, Add</i>	164.93	
			<i>For Class 55 Rating, Add</i>	366.59	
40 05 19 00-2780	EA		12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,717.76	279.44
			<i>For Class 52 Rating, Deduct</i>	-252.38	
			<i>For Class 54 Rating, Add</i>	172.08	
			<i>For Class 55 Rating, Add</i>	382.47	
40 05 19 00-2781	EA		12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,815.68	281.21
			<i>For Class 52 Rating, Deduct</i>	-262.86	
			<i>For Class 54 Rating, Add</i>	179.22	
			<i>For Class 55 Rating, Add</i>	398.35	
40 05 19 00-2782	EA		12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,913.62	282.98
			<i>For Class 52 Rating, Deduct</i>	-273.33	
			<i>For Class 54 Rating, Add</i>	186.36	
			<i>For Class 55 Rating, Add</i>	414.23	
40 05 19 00-2783	EA		12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,011.55	284.75
			<i>For Class 52 Rating, Deduct</i>	-283.81	
			<i>For Class 54 Rating, Add</i>	193.51	
			<i>For Class 55 Rating, Add</i>	430.11	
40 05 19 00-2784	EA		12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,109.49	286.51
			<i>For Class 52 Rating, Deduct</i>	-294.29	
			<i>For Class 54 Rating, Add</i>	200.65	
			<i>For Class 55 Rating, Add</i>	445.98	
40 05 19 00-2785	EA		12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,207.41	288.29
			<i>For Class 52 Rating, Deduct</i>	-304.77	
			<i>For Class 54 Rating, Add</i>	207.80	
			<i>For Class 55 Rating, Add</i>	461.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2786 EA 12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,305.35	290.05
<i>For Class 52 Rating, Deduct</i>	-315.25	
<i>For Class 54 Rating, Add</i>	214.94	
<i>For Class 55 Rating, Add</i>	477.74	
40 05 19 00-2787 EA 12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,403.28	291.82
<i>For Class 52 Rating, Deduct</i>	-325.72	
<i>For Class 54 Rating, Add</i>	222.08	
<i>For Class 55 Rating, Add</i>	493.62	
40 05 19 00-2788 EA 12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,501.21	293.59
<i>For Class 52 Rating, Deduct</i>	-336.20	
<i>For Class 54 Rating, Add</i>	229.23	
<i>For Class 55 Rating, Add</i>	509.50	
40 05 19 00-2789 EA 12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,599.15	295.36
<i>For Class 52 Rating, Deduct</i>	-346.68	
<i>For Class 54 Rating, Add</i>	236.37	
<i>For Class 55 Rating, Add</i>	525.38	
40 05 19 00-2790 EA 12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,697.08	297.12
<i>For Class 52 Rating, Deduct</i>	-357.16	
<i>For Class 54 Rating, Add</i>	243.52	
<i>For Class 55 Rating, Add</i>	541.26	
40 05 19 00-2791 EA 12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,795.01	298.90
<i>For Class 52 Rating, Deduct</i>	-367.64	
<i>For Class 54 Rating, Add</i>	250.66	
<i>For Class 55 Rating, Add</i>	557.13	
40 05 19 00-2792 EA 12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,892.95	300.66
<i>For Class 52 Rating, Deduct</i>	-378.11	
<i>For Class 54 Rating, Add</i>	257.81	
<i>For Class 55 Rating, Add</i>	573.01	
40 05 19 00-2793 EA 12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,990.88	302.43
<i>For Class 52 Rating, Deduct</i>	-388.59	
<i>For Class 54 Rating, Add</i>	264.95	
<i>For Class 55 Rating, Add</i>	588.89	
40 05 19 00-2794 EA 12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,088.81	304.20
<i>For Class 52 Rating, Deduct</i>	-399.07	
<i>For Class 54 Rating, Add</i>	272.09	
<i>For Class 55 Rating, Add</i>	604.77	
40 05 19 00-2795 EA 12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,186.74	305.97
<i>For Class 52 Rating, Deduct</i>	-409.55	
<i>For Class 54 Rating, Add</i>	279.24	
<i>For Class 55 Rating, Add</i>	620.65	
40 05 19 00-2796 EA 12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,284.68	307.74
<i>For Class 52 Rating, Deduct</i>	-420.03	
<i>For Class 54 Rating, Add</i>	286.38	
<i>For Class 55 Rating, Add</i>	636.53	
40 05 19 00-2797 EA 12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,382.61	309.50
<i>For Class 52 Rating, Deduct</i>	-430.50	
<i>For Class 54 Rating, Add</i>	293.52	
<i>For Class 55 Rating, Add</i>	652.41	
40 05 19 00-2798 EA 12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,480.54	311.28
<i>For Class 52 Rating, Deduct</i>	-440.98	
<i>For Class 54 Rating, Add</i>	300.67	
<i>For Class 55 Rating, Add</i>	668.29	
40 05 19 00-2799 EA 12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,578.48	313.04
<i>For Class 52 Rating, Deduct</i>	-451.46	
<i>For Class 54 Rating, Add</i>	307.81	
<i>For Class 55 Rating, Add</i>	684.17	
40 05 19 00-2800 EA 12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,676.41	314.81
<i>For Class 52 Rating, Deduct</i>	-461.94	
<i>For Class 54 Rating, Add</i>	314.96	
<i>For Class 55 Rating, Add</i>	700.04	
40 05 19 00-2801 14" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2800)</small>		
40 05 19 00-2802 EA 14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,305.40	297.12
<i>For Class 52 Rating, Deduct</i>	-94.07	
<i>For Class 54 Rating, Add</i>	64.14	
<i>For Class 55 Rating, Add</i>	142.56	



## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2803	EA		14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,424.04	298.90
			<i>For Class 52 Rating, Deduct</i> .....	-106.83	
			<i>For Class 54 Rating, Add</i> .....	72.84	
			<i>For Class 55 Rating, Add</i> .....	161.89	
40 05 19 00-2804	EA		14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,542.68	300.66
			<i>For Class 52 Rating, Deduct</i> .....	-119.58	
			<i>For Class 54 Rating, Add</i> .....	81.53	
			<i>For Class 55 Rating, Add</i> .....	181.22	
40 05 19 00-2805	EA		14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,661.32	302.43
			<i>For Class 52 Rating, Deduct</i> .....	-132.34	
			<i>For Class 54 Rating, Add</i> .....	90.23	
			<i>For Class 55 Rating, Add</i> .....	200.56	
40 05 19 00-2806	EA		14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,779.96	304.20
			<i>For Class 52 Rating, Deduct</i> .....	-145.10	
			<i>For Class 54 Rating, Add</i> .....	98.93	
			<i>For Class 55 Rating, Add</i> .....	219.89	
40 05 19 00-2807	EA		14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,898.60	305.97
			<i>For Class 52 Rating, Deduct</i> .....	-157.85	
			<i>For Class 54 Rating, Add</i> .....	107.63	
			<i>For Class 55 Rating, Add</i> .....	239.22	
40 05 19 00-2808	EA		14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,017.24	307.74
			<i>For Class 52 Rating, Deduct</i> .....	-170.61	
			<i>For Class 54 Rating, Add</i> .....	116.32	
			<i>For Class 55 Rating, Add</i> .....	258.55	
40 05 19 00-2809	EA		14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,135.88	309.50
			<i>For Class 52 Rating, Deduct</i> .....	-183.36	
			<i>For Class 54 Rating, Add</i> .....	125.02	
			<i>For Class 55 Rating, Add</i> .....	277.88	
40 05 19 00-2810	EA		14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,254.52	311.28
			<i>For Class 52 Rating, Deduct</i> .....	-196.12	
			<i>For Class 54 Rating, Add</i> .....	133.72	
			<i>For Class 55 Rating, Add</i> .....	297.21	
40 05 19 00-2811	EA		14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,373.16	313.04
			<i>For Class 52 Rating, Deduct</i> .....	-208.87	
			<i>For Class 54 Rating, Add</i> .....	142.41	
			<i>For Class 55 Rating, Add</i> .....	316.54	
40 05 19 00-2812	EA		14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,491.80	314.81
			<i>For Class 52 Rating, Deduct</i> .....	-221.63	
			<i>For Class 54 Rating, Add</i> .....	151.11	
			<i>For Class 55 Rating, Add</i> .....	335.87	
40 05 19 00-2813	EA		14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,610.44	316.58
			<i>For Class 52 Rating, Deduct</i> .....	-234.38	
			<i>For Class 54 Rating, Add</i> .....	159.81	
			<i>For Class 55 Rating, Add</i> .....	355.20	
40 05 19 00-2814	EA		14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,729.08	318.35
			<i>For Class 52 Rating, Deduct</i> .....	-247.14	
			<i>For Class 54 Rating, Add</i> .....	168.50	
			<i>For Class 55 Rating, Add</i> .....	374.53	
40 05 19 00-2815	EA		14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,847.72	320.11
			<i>For Class 52 Rating, Deduct</i> .....	-259.90	
			<i>For Class 54 Rating, Add</i> .....	177.20	
			<i>For Class 55 Rating, Add</i> .....	393.86	
40 05 19 00-2816	EA		14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,966.36	321.89
			<i>For Class 52 Rating, Deduct</i> .....	-272.65	
			<i>For Class 54 Rating, Add</i> .....	185.90	
			<i>For Class 55 Rating, Add</i> .....	413.19	
40 05 19 00-2817	EA		14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	3,084.99	323.65
			<i>For Class 52 Rating, Deduct</i> .....	-285.41	
			<i>For Class 54 Rating, Add</i> .....	194.60	
			<i>For Class 55 Rating, Add</i> .....	432.52	
40 05 19 00-2818	EA		14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	3,203.64	325.42
			<i>For Class 52 Rating, Deduct</i> .....	-298.16	
			<i>For Class 54 Rating, Add</i> .....	203.29	
			<i>For Class 55 Rating, Add</i> .....	451.85	
40 05 19 00-2819	EA		14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	3,322.27	327.19
			<i>For Class 52 Rating, Deduct</i> .....	-310.92	
			<i>For Class 54 Rating, Add</i> .....	211.99	
			<i>For Class 55 Rating, Add</i> .....	471.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2820 EA 14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,440.92	328.96
<i>For Class 52 Rating, Deduct</i>	-323.67	
<i>For Class 54 Rating, Add</i>	220.69	
<i>For Class 55 Rating, Add</i>	490.51	
40 05 19 00-2821 EA 14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,559.55	330.72
<i>For Class 52 Rating, Deduct</i>	-336.43	
<i>For Class 54 Rating, Add</i>	229.38	
<i>For Class 55 Rating, Add</i>	509.84	
40 05 19 00-2822 EA 14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,678.20	332.50
<i>For Class 52 Rating, Deduct</i>	-349.19	
<i>For Class 54 Rating, Add</i>	238.08	
<i>For Class 55 Rating, Add</i>	529.17	
40 05 19 00-2823 EA 14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,796.83	334.27
<i>For Class 52 Rating, Deduct</i>	-361.94	
<i>For Class 54 Rating, Add</i>	246.78	
<i>For Class 55 Rating, Add</i>	548.50	
40 05 19 00-2824 EA 14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,915.48	336.03
<i>For Class 52 Rating, Deduct</i>	-374.70	
<i>For Class 54 Rating, Add</i>	255.47	
<i>For Class 55 Rating, Add</i>	567.84	
40 05 19 00-2825 EA 14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,034.11	337.81
<i>For Class 52 Rating, Deduct</i>	-387.45	
<i>For Class 54 Rating, Add</i>	264.17	
<i>For Class 55 Rating, Add</i>	587.17	
40 05 19 00-2826 EA 14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,152.77	339.57
<i>For Class 52 Rating, Deduct</i>	-400.21	
<i>For Class 54 Rating, Add</i>	272.87	
<i>For Class 55 Rating, Add</i>	606.50	
40 05 19 00-2827 EA 14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,271.40	341.34
<i>For Class 52 Rating, Deduct</i>	-412.96	
<i>For Class 54 Rating, Add</i>	281.57	
<i>For Class 55 Rating, Add</i>	625.83	
40 05 19 00-2828 EA 14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,390.05	343.11
<i>For Class 52 Rating, Deduct</i>	-425.72	
<i>For Class 54 Rating, Add</i>	290.26	
<i>For Class 55 Rating, Add</i>	645.16	
40 05 19 00-2829 EA 14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,508.68	344.88
<i>For Class 52 Rating, Deduct</i>	-438.48	
<i>For Class 54 Rating, Add</i>	298.96	
<i>For Class 55 Rating, Add</i>	664.49	
40 05 19 00-2830 EA 14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,627.33	346.64
<i>For Class 52 Rating, Deduct</i>	-451.23	
<i>For Class 54 Rating, Add</i>	307.66	
<i>For Class 55 Rating, Add</i>	683.82	
40 05 19 00-2831 EA 14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,745.96	348.42
<i>For Class 52 Rating, Deduct</i>	-463.99	
<i>For Class 54 Rating, Add</i>	316.35	
<i>For Class 55 Rating, Add</i>	703.15	
40 05 19 00-2832 EA 14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,864.61	350.18
<i>For Class 52 Rating, Deduct</i>	-476.74	
<i>For Class 54 Rating, Add</i>	325.05	
<i>For Class 55 Rating, Add</i>	722.48	
40 05 19 00-2833 EA 14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,983.24	351.95
<i>For Class 52 Rating, Deduct</i>	-489.50	
<i>For Class 54 Rating, Add</i>	333.75	
<i>For Class 55 Rating, Add</i>	741.81	
40 05 19 00-2834 EA 14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,101.88	353.72
<i>For Class 52 Rating, Deduct</i>	-502.25	
<i>For Class 54 Rating, Add</i>	342.45	
<i>For Class 55 Rating, Add</i>	761.14	
40 05 19 00-2835 EA 14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,220.52	355.49
<i>For Class 52 Rating, Deduct</i>	-515.01	
<i>For Class 54 Rating, Add</i>	351.14	
<i>For Class 55 Rating, Add</i>	780.47	
40 05 19 00-2836 EA 14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,339.16	357.25
<i>For Class 52 Rating, Deduct</i>	-527.76	
<i>For Class 54 Rating, Add</i>	359.84	
<i>For Class 55 Rating, Add</i>	799.80	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2837	EA		14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,457.80	359.03
			<i>For Class 52 Rating, Deduct</i>	-540.52	
			<i>For Class 54 Rating, Add</i>	368.54	
			<i>For Class 55 Rating, Add</i>	819.13	
40 05 19 00-2838	EA		14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,576.44	360.79
			<i>For Class 52 Rating, Deduct</i>	-553.28	
			<i>For Class 54 Rating, Add</i>	377.23	
			<i>For Class 55 Rating, Add</i>	838.46	
40 05 19 00-2839	EA		14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,695.08	362.56
			<i>For Class 52 Rating, Deduct</i>	-566.03	
			<i>For Class 54 Rating, Add</i>	385.93	
			<i>For Class 55 Rating, Add</i>	857.79	
40 05 19 00-2840			16" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2600)</small>		
40 05 19 00-2841	EA		16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,523.99	339.57
			<i>For Class 52 Rating, Deduct</i>	-111.04	
			<i>For Class 54 Rating, Add</i>	75.71	
			<i>For Class 55 Rating, Add</i>	168.28	
40 05 19 00-2842	EA		16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,661.25	341.34
			<i>For Class 52 Rating, Deduct</i>	-125.85	
			<i>For Class 54 Rating, Add</i>	85.81	
			<i>For Class 55 Rating, Add</i>	190.72	
40 05 19 00-2843	EA		16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,798.54	343.11
			<i>For Class 52 Rating, Deduct</i>	-140.65	
			<i>For Class 54 Rating, Add</i>	95.90	
			<i>For Class 55 Rating, Add</i>	213.15	
40 05 19 00-2844	EA		16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,935.81	344.88
			<i>For Class 52 Rating, Deduct</i>	-155.46	
			<i>For Class 54 Rating, Add</i>	106.00	
			<i>For Class 55 Rating, Add</i>	235.59	
40 05 19 00-2845	EA		16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,073.09	346.64
			<i>For Class 52 Rating, Deduct</i>	-170.26	
			<i>For Class 54 Rating, Add</i>	116.09	
			<i>For Class 55 Rating, Add</i>	258.03	
40 05 19 00-2846	EA		16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,210.36	348.42
			<i>For Class 52 Rating, Deduct</i>	-185.07	
			<i>For Class 54 Rating, Add</i>	126.18	
			<i>For Class 55 Rating, Add</i>	280.47	
40 05 19 00-2847	EA		16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,347.65	350.18
			<i>For Class 52 Rating, Deduct</i>	-199.88	
			<i>For Class 54 Rating, Add</i>	136.28	
			<i>For Class 55 Rating, Add</i>	302.90	
40 05 19 00-2848	EA		16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,484.91	351.95
			<i>For Class 52 Rating, Deduct</i>	-214.68	
			<i>For Class 54 Rating, Add</i>	146.37	
			<i>For Class 55 Rating, Add</i>	325.34	
40 05 19 00-2849	EA		16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,622.19	353.72
			<i>For Class 52 Rating, Deduct</i>	-229.49	
			<i>For Class 54 Rating, Add</i>	156.47	
			<i>For Class 55 Rating, Add</i>	347.78	
40 05 19 00-2850	EA		16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,759.47	355.49
			<i>For Class 52 Rating, Deduct</i>	-244.29	
			<i>For Class 54 Rating, Add</i>	166.56	
			<i>For Class 55 Rating, Add</i>	370.22	
40 05 19 00-2851	EA		16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,896.74	357.25
			<i>For Class 52 Rating, Deduct</i>	-259.10	
			<i>For Class 54 Rating, Add</i>	176.66	
			<i>For Class 55 Rating, Add</i>	392.65	
40 05 19 00-2852	EA		16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,034.02	359.03
			<i>For Class 52 Rating, Deduct</i>	-273.90	
			<i>For Class 54 Rating, Add</i>	186.75	
			<i>For Class 55 Rating, Add</i>	415.09	
40 05 19 00-2853	EA		16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,171.30	360.79
			<i>For Class 52 Rating, Deduct</i>	-288.71	
			<i>For Class 54 Rating, Add</i>	196.85	
			<i>For Class 55 Rating, Add</i>	437.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2854 EA 16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	3,308.57	362.56
<i>For Class 52 Rating, Deduct</i>	-303.52	
<i>For Class 54 Rating, Add</i>	206.94	
<i>For Class 55 Rating, Add</i>	459.96	
40 05 19 00-2855 EA 16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	3,445.85	364.34
<i>For Class 52 Rating, Deduct</i>	-318.32	
<i>For Class 54 Rating, Add</i>	217.04	
<i>For Class 55 Rating, Add</i>	482.40	
40 05 19 00-2856 EA 16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	3,583.13	366.10
<i>For Class 52 Rating, Deduct</i>	-333.13	
<i>For Class 54 Rating, Add</i>	227.13	
<i>For Class 55 Rating, Add</i>	504.84	
40 05 19 00-2857 EA 16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	3,720.40	367.87
<i>For Class 52 Rating, Deduct</i>	-347.93	
<i>For Class 54 Rating, Add</i>	237.23	
<i>For Class 55 Rating, Add</i>	527.28	
40 05 19 00-2858 EA 16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	3,857.68	369.64
<i>For Class 52 Rating, Deduct</i>	-362.74	
<i>For Class 54 Rating, Add</i>	247.32	
<i>For Class 55 Rating, Add</i>	549.71	
40 05 19 00-2859 EA 16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	3,994.96	371.41
<i>For Class 52 Rating, Deduct</i>	-377.54	
<i>For Class 54 Rating, Add</i>	257.42	
<i>For Class 55 Rating, Add</i>	572.15	
40 05 19 00-2860 EA 16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,132.24	373.17
<i>For Class 52 Rating, Deduct</i>	-392.35	
<i>For Class 54 Rating, Add</i>	267.51	
<i>For Class 55 Rating, Add</i>	594.59	
40 05 19 00-2861 EA 16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,269.51	374.95
<i>For Class 52 Rating, Deduct</i>	-407.16	
<i>For Class 54 Rating, Add</i>	277.61	
<i>For Class 55 Rating, Add</i>	617.03	
40 05 19 00-2862 EA 16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,406.79	376.71
<i>For Class 52 Rating, Deduct</i>	-421.96	
<i>For Class 54 Rating, Add</i>	287.70	
<i>For Class 55 Rating, Add</i>	639.46	
40 05 19 00-2863 EA 16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,544.07	378.48
<i>For Class 52 Rating, Deduct</i>	-436.77	
<i>For Class 54 Rating, Add</i>	297.80	
<i>For Class 55 Rating, Add</i>	661.90	
40 05 19 00-2864 EA 16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,681.34	380.25
<i>For Class 52 Rating, Deduct</i>	-451.57	
<i>For Class 54 Rating, Add</i>	307.89	
<i>For Class 55 Rating, Add</i>	684.34	
40 05 19 00-2865 EA 16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,818.62	382.02
<i>For Class 52 Rating, Deduct</i>	-466.38	
<i>For Class 54 Rating, Add</i>	317.99	
<i>For Class 55 Rating, Add</i>	706.77	
40 05 19 00-2866 EA 16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,955.90	383.78
<i>For Class 52 Rating, Deduct</i>	-481.18	
<i>For Class 54 Rating, Add</i>	328.08	
<i>For Class 55 Rating, Add</i>	729.21	
40 05 19 00-2867 EA 16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,093.17	385.56
<i>For Class 52 Rating, Deduct</i>	-495.99	
<i>For Class 54 Rating, Add</i>	338.17	
<i>For Class 55 Rating, Add</i>	751.65	
40 05 19 00-2868 EA 16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,230.44	387.32
<i>For Class 52 Rating, Deduct</i>	-510.79	
<i>For Class 54 Rating, Add</i>	348.27	
<i>For Class 55 Rating, Add</i>	774.09	
40 05 19 00-2869 EA 16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,367.73	389.09
<i>For Class 52 Rating, Deduct</i>	-525.60	
<i>For Class 54 Rating, Add</i>	358.36	
<i>For Class 55 Rating, Add</i>	796.52	
40 05 19 00-2870 EA 16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,504.99	390.87
<i>For Class 52 Rating, Deduct</i>	-540.41	
<i>For Class 54 Rating, Add</i>	368.46	
<i>For Class 55 Rating, Add</i>	818.96	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2871	EA		16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,642.28	392.63
			<i>For Class 52 Rating, Deduct</i>	-555.21	
			<i>For Class 54 Rating, Add</i>	378.55	
			<i>For Class 55 Rating, Add</i>	841.40	
40 05 19 00-2872	EA		16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,779.55	394.40
			<i>For Class 52 Rating, Deduct</i>	-570.02	
			<i>For Class 54 Rating, Add</i>	388.65	
			<i>For Class 55 Rating, Add</i>	863.84	
40 05 19 00-2873	EA		16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,916.83	396.17
			<i>For Class 52 Rating, Deduct</i>	-584.82	
			<i>For Class 54 Rating, Add</i>	398.74	
			<i>For Class 55 Rating, Add</i>	886.27	
40 05 19 00-2874	EA		16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,054.10	397.94
			<i>For Class 52 Rating, Deduct</i>	-599.63	
			<i>For Class 54 Rating, Add</i>	408.84	
			<i>For Class 55 Rating, Add</i>	908.71	
40 05 19 00-2875	EA		16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,191.38	399.70
			<i>For Class 52 Rating, Deduct</i>	-614.43	
			<i>For Class 54 Rating, Add</i>	418.93	
			<i>For Class 55 Rating, Add</i>	931.15	
40 05 19 00-2876	EA		16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,328.65	401.48
			<i>For Class 52 Rating, Deduct</i>	-629.24	
			<i>For Class 54 Rating, Add</i>	429.03	
			<i>For Class 55 Rating, Add</i>	953.58	
40 05 19 00-2877	EA		16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,465.94	403.24
			<i>For Class 52 Rating, Deduct</i>	-644.05	
			<i>For Class 54 Rating, Add</i>	439.12	
			<i>For Class 55 Rating, Add</i>	976.02	
40 05 19 00-2878	EA		16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,603.21	405.01
			<i>For Class 52 Rating, Deduct</i>	-658.85	
			<i>For Class 54 Rating, Add</i>	449.22	
			<i>For Class 55 Rating, Add</i>	998.46	
<b>40 05 19 00-2879</b>			<b>18" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-2600)</small>		
40 05 19 00-2880	EA		18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,775.73	382.73
			<i>For Class 52 Rating, Deduct</i>	-131.54	
			<i>For Class 54 Rating, Add</i>	89.69	
			<i>For Class 55 Rating, Add</i>	199.35	
40 05 19 00-2881	EA		18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,933.71	384.50
			<i>For Class 52 Rating, Deduct</i>	-148.63	
			<i>For Class 54 Rating, Add</i>	101.34	
			<i>For Class 55 Rating, Add</i>	225.24	
40 05 19 00-2882	EA		18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,091.70	386.27
			<i>For Class 52 Rating, Deduct</i>	-165.71	
			<i>For Class 54 Rating, Add</i>	112.98	
			<i>For Class 55 Rating, Add</i>	251.13	
40 05 19 00-2883	EA		18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,249.67	388.03
			<i>For Class 52 Rating, Deduct</i>	-182.79	
			<i>For Class 54 Rating, Add</i>	124.63	
			<i>For Class 55 Rating, Add</i>	277.01	
40 05 19 00-2884	EA		18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,407.67	389.81
			<i>For Class 52 Rating, Deduct</i>	-199.88	
			<i>For Class 54 Rating, Add</i>	136.28	
			<i>For Class 55 Rating, Add</i>	302.90	
40 05 19 00-2885	EA		18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,565.64	391.57
			<i>For Class 52 Rating, Deduct</i>	-216.96	
			<i>For Class 54 Rating, Add</i>	147.93	
			<i>For Class 55 Rating, Add</i>	328.79	
40 05 19 00-2886	EA		18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,723.63	393.34
			<i>For Class 52 Rating, Deduct</i>	-234.04	
			<i>For Class 54 Rating, Add</i>	159.57	
			<i>For Class 55 Rating, Add</i>	354.68	
40 05 19 00-2887	EA		18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,881.61	395.11
			<i>For Class 52 Rating, Deduct</i>	-251.13	
			<i>For Class 54 Rating, Add</i>	171.22	
			<i>For Class 55 Rating, Add</i>	380.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2888 EA 18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	3,039.60	396.88
<i>For Class 52 Rating, Deduct</i>	-268.21	
<i>For Class 54 Rating, Add</i>	182.87	
<i>For Class 55 Rating, Add</i>	406.46	
40 05 19 00-2889 EA 18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	3,197.58	398.64
<i>For Class 52 Rating, Deduct</i>	-285.29	
<i>For Class 54 Rating, Add</i>	194.52	
<i>For Class 55 Rating, Add</i>	432.35	
40 05 19 00-2890 EA 18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	3,355.57	400.42
<i>For Class 52 Rating, Deduct</i>	-302.38	
<i>For Class 54 Rating, Add</i>	206.17	
<i>For Class 55 Rating, Add</i>	458.24	
40 05 19 00-2891 EA 18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	3,513.54	402.18
<i>For Class 52 Rating, Deduct</i>	-319.46	
<i>For Class 54 Rating, Add</i>	217.81	
<i>For Class 55 Rating, Add</i>	484.13	
40 05 19 00-2892 EA 18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	3,671.54	403.95
<i>For Class 52 Rating, Deduct</i>	-336.54	
<i>For Class 54 Rating, Add</i>	229.46	
<i>For Class 55 Rating, Add</i>	510.02	
40 05 19 00-2893 EA 18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	3,829.51	405.72
<i>For Class 52 Rating, Deduct</i>	-353.63	
<i>For Class 54 Rating, Add</i>	241.11	
<i>For Class 55 Rating, Add</i>	535.91	
40 05 19 00-2894 EA 18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	3,987.51	407.49
<i>For Class 52 Rating, Deduct</i>	-370.71	
<i>For Class 54 Rating, Add</i>	252.76	
<i>For Class 55 Rating, Add</i>	561.80	
40 05 19 00-2895 EA 18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,145.48	409.25
<i>For Class 52 Rating, Deduct</i>	-387.79	
<i>For Class 54 Rating, Add</i>	264.41	
<i>For Class 55 Rating, Add</i>	587.68	
40 05 19 00-2896 EA 18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,303.47	411.03
<i>For Class 52 Rating, Deduct</i>	-404.88	
<i>For Class 54 Rating, Add</i>	276.05	
<i>For Class 55 Rating, Add</i>	613.57	
40 05 19 00-2897 EA 18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,461.45	412.80
<i>For Class 52 Rating, Deduct</i>	-421.96	
<i>For Class 54 Rating, Add</i>	287.70	
<i>For Class 55 Rating, Add</i>	639.46	
40 05 19 00-2898 EA 18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,619.44	414.56
<i>For Class 52 Rating, Deduct</i>	-439.04	
<i>For Class 54 Rating, Add</i>	299.35	
<i>For Class 55 Rating, Add</i>	665.35	
40 05 19 00-2899 EA 18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,777.42	416.34
<i>For Class 52 Rating, Deduct</i>	-456.13	
<i>For Class 54 Rating, Add</i>	311.00	
<i>For Class 55 Rating, Add</i>	691.24	
40 05 19 00-2900 EA 18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,935.40	418.10
<i>For Class 52 Rating, Deduct</i>	-473.21	
<i>For Class 54 Rating, Add</i>	322.64	
<i>For Class 55 Rating, Add</i>	717.13	
40 05 19 00-2901 EA 18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,093.38	419.87
<i>For Class 52 Rating, Deduct</i>	-490.29	
<i>For Class 54 Rating, Add</i>	334.29	
<i>For Class 55 Rating, Add</i>	743.02	
40 05 19 00-2902 EA 18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,251.37	421.64
<i>For Class 52 Rating, Deduct</i>	-507.38	
<i>For Class 54 Rating, Add</i>	345.94	
<i>For Class 55 Rating, Add</i>	768.91	
40 05 19 00-2903 EA 18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,409.35	423.41
<i>For Class 52 Rating, Deduct</i>	-524.46	
<i>For Class 54 Rating, Add</i>	357.59	
<i>For Class 55 Rating, Add</i>	794.80	
40 05 19 00-2904 EA 18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,567.34	425.17
<i>For Class 52 Rating, Deduct</i>	-541.55	
<i>For Class 54 Rating, Add</i>	369.24	
<i>For Class 55 Rating, Add</i>	820.69	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2905	EA		18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,725.32	426.95
			<i>For Class 52 Rating, Deduct</i>	-558.63	
			<i>For Class 54 Rating, Add</i>	380.88	
			<i>For Class 55 Rating, Add</i>	846.58	
40 05 19 00-2906	EA		18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,883.30	428.71
			<i>For Class 52 Rating, Deduct</i>	-575.71	
			<i>For Class 54 Rating, Add</i>	392.53	
			<i>For Class 55 Rating, Add</i>	872.46	
40 05 19 00-2907	EA		18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,041.29	430.48
			<i>For Class 52 Rating, Deduct</i>	-592.80	
			<i>For Class 54 Rating, Add</i>	404.18	
			<i>For Class 55 Rating, Add</i>	898.35	
40 05 19 00-2908	EA		18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,199.27	432.25
			<i>For Class 52 Rating, Deduct</i>	-609.88	
			<i>For Class 54 Rating, Add</i>	415.83	
			<i>For Class 55 Rating, Add</i>	924.24	
40 05 19 00-2909	EA		18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,357.26	434.02
			<i>For Class 52 Rating, Deduct</i>	-626.96	
			<i>For Class 54 Rating, Add</i>	427.47	
			<i>For Class 55 Rating, Add</i>	950.13	
40 05 19 00-2910	EA		18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,515.24	435.78
			<i>For Class 52 Rating, Deduct</i>	-644.05	
			<i>For Class 54 Rating, Add</i>	439.12	
			<i>For Class 55 Rating, Add</i>	976.02	
40 05 19 00-2911	EA		18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,673.22	437.56
			<i>For Class 52 Rating, Deduct</i>	-661.13	
			<i>For Class 54 Rating, Add</i>	450.77	
			<i>For Class 55 Rating, Add</i>	1,001.91	
40 05 19 00-2912	EA		18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,831.21	439.33
			<i>For Class 52 Rating, Deduct</i>	-678.21	
			<i>For Class 54 Rating, Add</i>	462.42	
			<i>For Class 55 Rating, Add</i>	1,027.80	
40 05 19 00-2913	EA		18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,989.19	441.09
			<i>For Class 52 Rating, Deduct</i>	-695.30	
			<i>For Class 54 Rating, Add</i>	474.07	
			<i>For Class 55 Rating, Add</i>	1,053.69	
40 05 19 00-2914	EA		18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,147.18	442.87
			<i>For Class 52 Rating, Deduct</i>	-712.38	
			<i>For Class 54 Rating, Add</i>	485.71	
			<i>For Class 55 Rating, Add</i>	1,079.58	
40 05 19 00-2915	EA		18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,305.16	444.63
			<i>For Class 52 Rating, Deduct</i>	-729.46	
			<i>For Class 54 Rating, Add</i>	497.36	
			<i>For Class 55 Rating, Add</i>	1,105.47	
40 05 19 00-2916	EA		18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,463.14	446.40
			<i>For Class 52 Rating, Deduct</i>	-746.55	
			<i>For Class 54 Rating, Add</i>	509.01	
			<i>For Class 55 Rating, Add</i>	1,131.36	
40 05 19 00-2917	EA		18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,621.13	448.16
			<i>For Class 52 Rating, Deduct</i>	-763.63	
			<i>For Class 54 Rating, Add</i>	520.66	
			<i>For Class 55 Rating, Add</i>	1,157.25	
40 05 19 00-2918			<b>20" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-2900)</small>		
40 05 19 00-2919	EA		20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,054.45	436.84
			<i>For Class 52 Rating, Deduct</i>	-153.18	
			<i>For Class 54 Rating, Add</i>	104.44	
			<i>For Class 55 Rating, Add</i>	232.14	
40 05 19 00-2920	EA		20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,234.17	438.61
			<i>For Class 52 Rating, Deduct</i>	-172.66	
			<i>For Class 54 Rating, Add</i>	117.72	
			<i>For Class 55 Rating, Add</i>	261.65	
40 05 19 00-2921	EA		20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,413.90	440.38
			<i>For Class 52 Rating, Deduct</i>	-192.13	
			<i>For Class 54 Rating, Add</i>	131.00	
			<i>For Class 55 Rating, Add</i>	291.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2922 EA 20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,593.62	442.15
<i>For Class 52 Rating, Deduct</i>	-211.61	
<i>For Class 54 Rating, Add</i>	144.28	
<i>For Class 55 Rating, Add</i>	320.68	
40 05 19 00-2923 EA 20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,773.36	443.91
<i>For Class 52 Rating, Deduct</i>	-231.08	
<i>For Class 54 Rating, Add</i>	157.56	
<i>For Class 55 Rating, Add</i>	350.20	
40 05 19 00-2924 EA 20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,953.07	445.69
<i>For Class 52 Rating, Deduct</i>	-250.56	
<i>For Class 54 Rating, Add</i>	170.83	
<i>For Class 55 Rating, Add</i>	379.71	
40 05 19 00-2925 EA 20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	3,132.81	447.46
<i>For Class 52 Rating, Deduct</i>	-270.03	
<i>For Class 54 Rating, Add</i>	184.11	
<i>For Class 55 Rating, Add</i>	409.22	
40 05 19 00-2926 EA 20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	3,312.53	449.22
<i>For Class 52 Rating, Deduct</i>	-289.51	
<i>For Class 54 Rating, Add</i>	197.39	
<i>For Class 55 Rating, Add</i>	438.74	
40 05 19 00-2927 EA 20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	3,492.25	451.00
<i>For Class 52 Rating, Deduct</i>	-308.98	
<i>For Class 54 Rating, Add</i>	210.67	
<i>For Class 55 Rating, Add</i>	468.25	
40 05 19 00-2928 EA 20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	3,671.98	452.76
<i>For Class 52 Rating, Deduct</i>	-328.46	
<i>For Class 54 Rating, Add</i>	223.95	
<i>For Class 55 Rating, Add</i>	497.76	
40 05 19 00-2929 EA 20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	3,851.70	454.53
<i>For Class 52 Rating, Deduct</i>	-347.93	
<i>For Class 54 Rating, Add</i>	237.23	
<i>For Class 55 Rating, Add</i>	527.28	
40 05 19 00-2930 EA 20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,031.43	456.30
<i>For Class 52 Rating, Deduct</i>	-367.41	
<i>For Class 54 Rating, Add</i>	250.51	
<i>For Class 55 Rating, Add</i>	556.79	
40 05 19 00-2931 EA 20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,211.16	458.07
<i>For Class 52 Rating, Deduct</i>	-386.88	
<i>For Class 54 Rating, Add</i>	263.78	
<i>For Class 55 Rating, Add</i>	586.30	
40 05 19 00-2932 EA 20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,390.88	459.83
<i>For Class 52 Rating, Deduct</i>	-406.36	
<i>For Class 54 Rating, Add</i>	277.06	
<i>For Class 55 Rating, Add</i>	615.82	
40 05 19 00-2933 EA 20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,570.61	461.61
<i>For Class 52 Rating, Deduct</i>	-425.83	
<i>For Class 54 Rating, Add</i>	290.34	
<i>For Class 55 Rating, Add</i>	645.33	
40 05 19 00-2934 EA 20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,750.34	463.37
<i>For Class 52 Rating, Deduct</i>	-445.31	
<i>For Class 54 Rating, Add</i>	303.62	
<i>For Class 55 Rating, Add</i>	674.84	
40 05 19 00-2935 EA 20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,930.06	465.14
<i>For Class 52 Rating, Deduct</i>	-464.78	
<i>For Class 54 Rating, Add</i>	316.90	
<i>For Class 55 Rating, Add</i>	704.36	
40 05 19 00-2936 EA 20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,109.79	466.91
<i>For Class 52 Rating, Deduct</i>	-484.26	
<i>For Class 54 Rating, Add</i>	330.18	
<i>For Class 55 Rating, Add</i>	733.87	
40 05 19 00-2937 EA 20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,289.52	468.68
<i>For Class 52 Rating, Deduct</i>	-503.73	
<i>For Class 54 Rating, Add</i>	343.46	
<i>For Class 55 Rating, Add</i>	763.39	
40 05 19 00-2938 EA 20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,469.24	470.44
<i>For Class 52 Rating, Deduct</i>	-523.21	
<i>For Class 54 Rating, Add</i>	356.73	
<i>For Class 55 Rating, Add</i>	792.90	



## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2939	EA		20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,648.97	472.22
			For Class 52 Rating, Deduct	-542.68	
			For Class 54 Rating, Add	370.01	
			For Class 55 Rating, Add	822.41	
40 05 19 00-2940	EA		20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,828.70	473.99
			For Class 52 Rating, Deduct	-562.16	
			For Class 54 Rating, Add	383.29	
			For Class 55 Rating, Add	851.93	
40 05 19 00-2941	EA		20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,008.42	475.75
			For Class 52 Rating, Deduct	-581.63	
			For Class 54 Rating, Add	396.57	
			For Class 55 Rating, Add	881.44	
40 05 19 00-2942	EA		20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,188.15	477.53
			For Class 52 Rating, Deduct	-601.11	
			For Class 54 Rating, Add	409.85	
			For Class 55 Rating, Add	910.95	
40 05 19 00-2943	EA		20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,367.88	479.29
			For Class 52 Rating, Deduct	-620.58	
			For Class 54 Rating, Add	423.13	
			For Class 55 Rating, Add	940.47	
40 05 19 00-2944	EA		20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,547.60	481.06
			For Class 52 Rating, Deduct	-640.06	
			For Class 54 Rating, Add	436.40	
			For Class 55 Rating, Add	969.98	
40 05 19 00-2945	EA		20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,727.33	482.83
			For Class 52 Rating, Deduct	-659.53	
			For Class 54 Rating, Add	449.68	
			For Class 55 Rating, Add	999.49	
40 05 19 00-2946	EA		20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,907.05	484.60
			For Class 52 Rating, Deduct	-679.01	
			For Class 54 Rating, Add	462.96	
			For Class 55 Rating, Add	1,029.01	
40 05 19 00-2947	EA		20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,086.78	486.36
			For Class 52 Rating, Deduct	-698.48	
			For Class 54 Rating, Add	476.24	
			For Class 55 Rating, Add	1,058.52	
40 05 19 00-2948	EA		20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,266.50	488.14
			For Class 52 Rating, Deduct	-717.96	
			For Class 54 Rating, Add	489.52	
			For Class 55 Rating, Add	1,088.04	
40 05 19 00-2949	EA		20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,446.24	489.90
			For Class 52 Rating, Deduct	-737.44	
			For Class 54 Rating, Add	502.80	
			For Class 55 Rating, Add	1,117.55	
40 05 19 00-2950	EA		20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,625.95	491.67
			For Class 52 Rating, Deduct	-756.91	
			For Class 54 Rating, Add	516.08	
			For Class 55 Rating, Add	1,147.06	
40 05 19 00-2951	EA		20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,805.69	493.44
			For Class 52 Rating, Deduct	-776.39	
			For Class 54 Rating, Add	529.35	
			For Class 55 Rating, Add	1,176.58	
40 05 19 00-2952	EA		20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,985.41	495.21
			For Class 52 Rating, Deduct	-795.86	
			For Class 54 Rating, Add	542.63	
			For Class 55 Rating, Add	1,206.09	
40 05 19 00-2953	EA		20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,165.14	496.97
			For Class 52 Rating, Deduct	-815.34	
			For Class 54 Rating, Add	555.91	
			For Class 55 Rating, Add	1,235.60	
40 05 19 00-2954	EA		20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,344.86	498.75
			For Class 52 Rating, Deduct	-834.81	
			For Class 54 Rating, Add	569.19	
			For Class 55 Rating, Add	1,265.12	
40 05 19 00-2955	EA		20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,524.60	500.52
			For Class 52 Rating, Deduct	-854.29	
			For Class 54 Rating, Add	582.47	
			For Class 55 Rating, Add	1,294.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2956 EA 20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,704.31	502.28
<i>For Class 52 Rating, Deduct</i>	-873.76	
<i>For Class 54 Rating, Add</i>	595.75	
<i>For Class 55 Rating, Add</i>	1,324.14	
<b>40 05 19 00-2957 24" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2960)</small></b>		
40 05 19 00-2958 EA 24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,540.51	516.43
<i>For Class 52 Rating, Deduct</i>	-193.38	
<i>For Class 54 Rating, Add</i>	131.85	
<i>For Class 55 Rating, Add</i>	293.07	
40 05 19 00-2959 EA 24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,762.69	518.20
<i>For Class 52 Rating, Deduct</i>	-217.53	
<i>For Class 54 Rating, Add</i>	148.32	
<i>For Class 55 Rating, Add</i>	329.66	
40 05 19 00-2960 EA 24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,984.86	519.97
<i>For Class 52 Rating, Deduct</i>	-241.67	
<i>For Class 54 Rating, Add</i>	164.78	
<i>For Class 55 Rating, Add</i>	366.24	
40 05 19 00-2961 EA 24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,207.04	521.74
<i>For Class 52 Rating, Deduct</i>	-265.82	
<i>For Class 54 Rating, Add</i>	181.24	
<i>For Class 55 Rating, Add</i>	402.84	
40 05 19 00-2962 EA 24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,429.22	523.50
<i>For Class 52 Rating, Deduct</i>	-289.96	
<i>For Class 54 Rating, Add</i>	197.70	
<i>For Class 55 Rating, Add</i>	439.43	
40 05 19 00-2963 EA 24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,651.39	525.28
<i>For Class 52 Rating, Deduct</i>	-314.11	
<i>For Class 54 Rating, Add</i>	214.16	
<i>For Class 55 Rating, Add</i>	476.02	
40 05 19 00-2964 EA 24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,873.57	527.04
<i>For Class 52 Rating, Deduct</i>	-338.25	
<i>For Class 54 Rating, Add</i>	230.63	
<i>For Class 55 Rating, Add</i>	512.61	
40 05 19 00-2965 EA 24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,095.75	528.81
<i>For Class 52 Rating, Deduct</i>	-362.40	
<i>For Class 54 Rating, Add</i>	247.09	
<i>For Class 55 Rating, Add</i>	549.20	
40 05 19 00-2966 EA 24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,317.92	530.59
<i>For Class 52 Rating, Deduct</i>	-386.54	
<i>For Class 54 Rating, Add</i>	263.55	
<i>For Class 55 Rating, Add</i>	585.79	
40 05 19 00-2967 EA 24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,540.10	532.35
<i>For Class 52 Rating, Deduct</i>	-410.69	
<i>For Class 54 Rating, Add</i>	280.01	
<i>For Class 55 Rating, Add</i>	622.38	
40 05 19 00-2968 EA 24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,762.27	534.12
<i>For Class 52 Rating, Deduct</i>	-434.83	
<i>For Class 54 Rating, Add</i>	296.48	
<i>For Class 55 Rating, Add</i>	658.97	
40 05 19 00-2969 EA 24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,984.45	535.89
<i>For Class 52 Rating, Deduct</i>	-458.98	
<i>For Class 54 Rating, Add</i>	312.94	
<i>For Class 55 Rating, Add</i>	695.56	
40 05 19 00-2970 EA 24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,206.63	537.66
<i>For Class 52 Rating, Deduct</i>	-483.12	
<i>For Class 54 Rating, Add</i>	329.40	
<i>For Class 55 Rating, Add</i>	732.15	
40 05 19 00-2971 EA 24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,428.80	539.42
<i>For Class 52 Rating, Deduct</i>	-507.26	
<i>For Class 54 Rating, Add</i>	345.86	
<i>For Class 55 Rating, Add</i>	768.74	
40 05 19 00-2972 EA 24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,650.98	541.20
<i>For Class 52 Rating, Deduct</i>	-531.41	
<i>For Class 54 Rating, Add</i>	362.32	
<i>For Class 55 Rating, Add</i>	805.33	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2973	EA		24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,873.16	542.96
			<i>For Class 52 Rating, Deduct</i>	-555.55	
			<i>For Class 54 Rating, Add</i>	378.79	
			<i>For Class 55 Rating, Add</i>	841.92	
40 05 19 00-2974	EA		24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,095.33	544.73
			<i>For Class 52 Rating, Deduct</i>	-579.70	
			<i>For Class 54 Rating, Add</i>	395.25	
			<i>For Class 55 Rating, Add</i>	878.51	
40 05 19 00-2975	EA		24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,317.51	546.50
			<i>For Class 52 Rating, Deduct</i>	-603.84	
			<i>For Class 54 Rating, Add</i>	411.71	
			<i>For Class 55 Rating, Add</i>	915.10	
40 05 19 00-2976	EA		24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,539.68	548.27
			<i>For Class 52 Rating, Deduct</i>	-627.99	
			<i>For Class 54 Rating, Add</i>	428.17	
			<i>For Class 55 Rating, Add</i>	951.69	
40 05 19 00-2977	EA		24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,761.86	550.03
			<i>For Class 52 Rating, Deduct</i>	-652.13	
			<i>For Class 54 Rating, Add</i>	444.64	
			<i>For Class 55 Rating, Add</i>	988.28	
40 05 19 00-2978	EA		24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,984.03	551.81
			<i>For Class 52 Rating, Deduct</i>	-676.28	
			<i>For Class 54 Rating, Add</i>	461.10	
			<i>For Class 55 Rating, Add</i>	1,024.87	
40 05 19 00-2979	EA		24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,206.21	553.57
			<i>For Class 52 Rating, Deduct</i>	-700.42	
			<i>For Class 54 Rating, Add</i>	477.56	
			<i>For Class 55 Rating, Add</i>	1,061.46	
40 05 19 00-2980	EA		24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,428.38	555.34
			<i>For Class 52 Rating, Deduct</i>	-724.57	
			<i>For Class 54 Rating, Add</i>	494.02	
			<i>For Class 55 Rating, Add</i>	1,098.05	
40 05 19 00-2981	EA		24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,650.57	557.11
			<i>For Class 52 Rating, Deduct</i>	-748.71	
			<i>For Class 54 Rating, Add</i>	510.48	
			<i>For Class 55 Rating, Add</i>	1,134.64	
40 05 19 00-2982	EA		24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,872.73	558.88
			<i>For Class 52 Rating, Deduct</i>	-772.85	
			<i>For Class 54 Rating, Add</i>	526.95	
			<i>For Class 55 Rating, Add</i>	1,171.23	
40 05 19 00-2983	EA		24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,094.92	560.65
			<i>For Class 52 Rating, Deduct</i>	-797.00	
			<i>For Class 54 Rating, Add</i>	543.41	
			<i>For Class 55 Rating, Add</i>	1,207.82	
40 05 19 00-2984	EA		24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,317.09	562.41
			<i>For Class 52 Rating, Deduct</i>	-821.14	
			<i>For Class 54 Rating, Add</i>	559.87	
			<i>For Class 55 Rating, Add</i>	1,244.41	
40 05 19 00-2985	EA		24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,539.27	564.19
			<i>For Class 52 Rating, Deduct</i>	-845.29	
			<i>For Class 54 Rating, Add</i>	576.33	
			<i>For Class 55 Rating, Add</i>	1,281.00	
40 05 19 00-2986	EA		24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,761.44	565.95
			<i>For Class 52 Rating, Deduct</i>	-869.43	
			<i>For Class 54 Rating, Add</i>	592.80	
			<i>For Class 55 Rating, Add</i>	1,317.59	
40 05 19 00-2987	EA		24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,029.17	597.79
			<i>For Class 52 Rating, Deduct</i>	-893.58	
			<i>For Class 54 Rating, Add</i>	609.26	
			<i>For Class 55 Rating, Add</i>	1,354.18	
40 05 19 00-2988	EA		24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,251.35	599.55
			<i>For Class 52 Rating, Deduct</i>	-917.72	
			<i>For Class 54 Rating, Add</i>	625.72	
			<i>For Class 55 Rating, Add</i>	1,390.77	
40 05 19 00-2989	EA		24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,473.53	601.33
			<i>For Class 52 Rating, Deduct</i>	-941.87	
			<i>For Class 54 Rating, Add</i>	642.18	
			<i>For Class 55 Rating, Add</i>	1,427.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2990 EA 24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,695.70	603.09
<i>For Class 52 Rating, Deduct</i>	-966.01	
<i>For Class 54 Rating, Add</i>	658.64	
<i>For Class 55 Rating, Add</i>	1,463.95	
40 05 19 00-2991 EA 24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,917.88	604.86
<i>For Class 52 Rating, Deduct</i>	-990.16	
<i>For Class 54 Rating, Add</i>	675.11	
<i>For Class 55 Rating, Add</i>	1,500.54	
40 05 19 00-2992 EA 24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,139.02	606.63
<i>For Class 52 Rating, Deduct</i>	-1,014.19	
<i>For Class 54 Rating, Add</i>	691.49	
<i>For Class 55 Rating, Add</i>	1,536.95	
40 05 19 00-2993 EA 24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,362.23	608.40
<i>For Class 52 Rating, Deduct</i>	-1,038.45	
<i>For Class 54 Rating, Add</i>	708.03	
<i>For Class 55 Rating, Add</i>	1,573.72	
40 05 19 00-2994 EA 24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,584.41	610.16
<i>For Class 52 Rating, Deduct</i>	-1,062.59	
<i>For Class 54 Rating, Add</i>	724.49	
<i>For Class 55 Rating, Add</i>	1,610.31	
40 05 19 00-2995 EA 24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,806.58	611.94
<i>For Class 52 Rating, Deduct</i>	-1,086.74	
<i>For Class 54 Rating, Add</i>	740.96	
<i>For Class 55 Rating, Add</i>	1,646.90	
<b>40 05 19 00-2996 30" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-2600)</small>		
40 05 19 00-2997 EA 30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,872.59	728.66
<i>For Class 52 Rating, Deduct</i>	-304.54	
<i>For Class 54 Rating, Add</i>	207.64	
<i>For Class 55 Rating, Add</i>	461.52	
40 05 19 00-2998 EA 30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,190.02	730.44
<i>For Class 52 Rating, Deduct</i>	-339.16	
<i>For Class 54 Rating, Add</i>	231.25	
<i>For Class 55 Rating, Add</i>	513.99	
40 05 19 00-2999 EA 30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,507.45	732.20
<i>For Class 52 Rating, Deduct</i>	-373.79	
<i>For Class 54 Rating, Add</i>	254.85	
<i>For Class 55 Rating, Add</i>	566.45	
40 05 19 00-3000 EA 30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,824.88	733.97
<i>For Class 52 Rating, Deduct</i>	-408.41	
<i>For Class 54 Rating, Add</i>	278.46	
<i>For Class 55 Rating, Add</i>	618.92	
40 05 19 00-3001 EA 30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,142.31	735.74
<i>For Class 52 Rating, Deduct</i>	-443.03	
<i>For Class 54 Rating, Add</i>	302.07	
<i>For Class 55 Rating, Add</i>	671.39	
40 05 19 00-3002 EA 30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,459.74	737.51
<i>For Class 52 Rating, Deduct</i>	-477.65	
<i>For Class 54 Rating, Add</i>	325.67	
<i>For Class 55 Rating, Add</i>	723.86	
40 05 19 00-3003 EA 30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,777.17	739.27
<i>For Class 52 Rating, Deduct</i>	-512.28	
<i>For Class 54 Rating, Add</i>	349.28	
<i>For Class 55 Rating, Add</i>	776.33	
40 05 19 00-3004 EA 30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,094.60	741.05
<i>For Class 52 Rating, Deduct</i>	-546.90	
<i>For Class 54 Rating, Add</i>	372.89	
<i>For Class 55 Rating, Add</i>	828.80	
40 05 19 00-3005 EA 30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,412.02	742.81
<i>For Class 52 Rating, Deduct</i>	-581.52	
<i>For Class 54 Rating, Add</i>	396.49	
<i>For Class 55 Rating, Add</i>	881.27	
40 05 19 00-3006 EA 30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,729.46	744.58
<i>For Class 52 Rating, Deduct</i>	-616.14	
<i>For Class 54 Rating, Add</i>	420.10	
<i>For Class 55 Rating, Add</i>	933.74	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3007	EA		30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	7,046.88	746.35
			<i>For Class 52 Rating, Deduct</i>	-650.77	
			<i>For Class 54 Rating, Add</i>	443.70	
			<i>For Class 55 Rating, Add</i>	986.21	
40 05 19 00-3008	EA		30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	7,364.32	748.12
			<i>For Class 52 Rating, Deduct</i>	-685.39	
			<i>For Class 54 Rating, Add</i>	467.31	
			<i>For Class 55 Rating, Add</i>	1,038.67	
40 05 19 00-3009	EA		30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	7,681.74	749.89
			<i>For Class 52 Rating, Deduct</i>	-720.01	
			<i>For Class 54 Rating, Add</i>	490.92	
			<i>For Class 55 Rating, Add</i>	1,091.14	
40 05 19 00-3010	EA		30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	7,999.18	751.66
			<i>For Class 52 Rating, Deduct</i>	-754.63	
			<i>For Class 54 Rating, Add</i>	514.52	
			<i>For Class 55 Rating, Add</i>	1,143.61	
40 05 19 00-3011	EA		30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	8,316.59	753.43
			<i>For Class 52 Rating, Deduct</i>	-789.25	
			<i>For Class 54 Rating, Add</i>	538.13	
			<i>For Class 55 Rating, Add</i>	1,196.08	
40 05 19 00-3012	EA		30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	8,634.03	755.19
			<i>For Class 52 Rating, Deduct</i>	-823.88	
			<i>For Class 54 Rating, Add</i>	561.73	
			<i>For Class 55 Rating, Add</i>	1,248.55	
40 05 19 00-3013	EA		30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	8,951.45	756.97
			<i>For Class 52 Rating, Deduct</i>	-858.50	
			<i>For Class 54 Rating, Add</i>	585.34	
			<i>For Class 55 Rating, Add</i>	1,301.02	
40 05 19 00-3014	EA		30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	9,268.89	758.73
			<i>For Class 52 Rating, Deduct</i>	-893.12	
			<i>For Class 54 Rating, Add</i>	608.95	
			<i>For Class 55 Rating, Add</i>	1,353.49	
40 05 19 00-3015	EA		30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	9,586.31	760.50
			<i>For Class 52 Rating, Deduct</i>	-927.74	
			<i>For Class 54 Rating, Add</i>	632.55	
			<i>For Class 55 Rating, Add</i>	1,405.95	
40 05 19 00-3016	EA		30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	9,903.75	762.27
			<i>For Class 52 Rating, Deduct</i>	-962.37	
			<i>For Class 54 Rating, Add</i>	656.16	
			<i>For Class 55 Rating, Add</i>	1,458.42	
40 05 19 00-3017	EA		30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	10,221.17	764.04
			<i>For Class 52 Rating, Deduct</i>	-996.99	
			<i>For Class 54 Rating, Add</i>	679.77	
			<i>For Class 55 Rating, Add</i>	1,510.89	
40 05 19 00-3018	EA		30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	10,538.61	765.80
			<i>For Class 52 Rating, Deduct</i>	-1,031.61	
			<i>For Class 54 Rating, Add</i>	703.37	
			<i>For Class 55 Rating, Add</i>	1,563.36	
40 05 19 00-3019	EA		30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	10,856.03	767.58
			<i>For Class 52 Rating, Deduct</i>	-1,066.23	
			<i>For Class 54 Rating, Add</i>	726.98	
			<i>For Class 55 Rating, Add</i>	1,615.83	
40 05 19 00-3020	EA		30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	11,173.47	769.34
			<i>For Class 52 Rating, Deduct</i>	-1,100.86	
			<i>For Class 54 Rating, Add</i>	750.58	
			<i>For Class 55 Rating, Add</i>	1,668.30	
40 05 19 00-3021	EA		30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	11,490.89	771.11
			<i>For Class 52 Rating, Deduct</i>	-1,135.48	
			<i>For Class 54 Rating, Add</i>	774.19	
			<i>For Class 55 Rating, Add</i>	1,720.77	
40 05 19 00-3022	EA		30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	11,808.32	772.88
			<i>For Class 52 Rating, Deduct</i>	-1,170.10	
			<i>For Class 54 Rating, Add</i>	797.80	
			<i>For Class 55 Rating, Add</i>	1,773.24	
40 05 19 00-3023	EA		30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	12,125.75	774.65
			<i>For Class 52 Rating, Deduct</i>	-1,204.72	
			<i>For Class 54 Rating, Add</i>	821.40	
			<i>For Class 55 Rating, Add</i>	1,825.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3024 EA 30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,443.18	776.41
<i>For Class 52 Rating, Deduct</i>	-1,239.35	
<i>For Class 54 Rating, Add</i>	845.01	
<i>For Class 55 Rating, Add</i>	1,878.17	
40 05 19 00-3025 EA 30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,760.61	778.19
<i>For Class 52 Rating, Deduct</i>	-1,273.97	
<i>For Class 54 Rating, Add</i>	868.62	
<i>For Class 55 Rating, Add</i>	1,930.64	
40 05 19 00-3026 EA 30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,078.04	779.96
<i>For Class 52 Rating, Deduct</i>	-1,308.59	
<i>For Class 54 Rating, Add</i>	892.22	
<i>For Class 55 Rating, Add</i>	1,963.11	
40 05 19 00-3027 EA 30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,395.47	781.72
<i>For Class 52 Rating, Deduct</i>	-1,343.21	
<i>For Class 54 Rating, Add</i>	915.83	
<i>For Class 55 Rating, Add</i>	2,035.58	
40 05 19 00-3028 EA 30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,712.90	783.50
<i>For Class 52 Rating, Deduct</i>	-1,377.84	
<i>For Class 54 Rating, Add</i>	939.43	
<i>For Class 55 Rating, Add</i>	2,088.05	
40 05 19 00-3029 EA 30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,030.32	785.26
<i>For Class 52 Rating, Deduct</i>	-1,412.46	
<i>For Class 54 Rating, Add</i>	963.04	
<i>For Class 55 Rating, Add</i>	2,140.52	
40 05 19 00-3030 EA 30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,347.75	787.03
<i>For Class 52 Rating, Deduct</i>	-1,447.08	
<i>For Class 54 Rating, Add</i>	986.65	
<i>For Class 55 Rating, Add</i>	2,192.99	
40 05 19 00-3031 EA 30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,665.18	788.80
<i>For Class 52 Rating, Deduct</i>	-1,481.70	
<i>For Class 54 Rating, Add</i>	1,010.25	
<i>For Class 55 Rating, Add</i>	2,245.45	
<b>40 05 19 00-3032 36" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-2800)</small>		
40 05 19 00-3033 EA 36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,313.51	923.22
<i>For Class 52 Rating, Deduct</i>	-430.62	
<i>For Class 54 Rating, Add</i>	293.60	
<i>For Class 55 Rating, Add</i>	652.58	
40 05 19 00-3034 EA 36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,738.60	924.98
<i>For Class 52 Rating, Deduct</i>	-477.08	
<i>For Class 54 Rating, Add</i>	325.28	
<i>For Class 55 Rating, Add</i>	723.00	
40 05 19 00-3035 EA 36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,163.72	926.75
<i>For Class 52 Rating, Deduct</i>	-523.55	
<i>For Class 54 Rating, Add</i>	356.97	
<i>For Class 55 Rating, Add</i>	793.42	
40 05 19 00-3036 EA 36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,588.82	928.51
<i>For Class 52 Rating, Deduct</i>	-570.02	
<i>For Class 54 Rating, Add</i>	388.65	
<i>For Class 55 Rating, Add</i>	863.84	
40 05 19 00-3037 EA 36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,013.93	930.29
<i>For Class 52 Rating, Deduct</i>	-616.48	
<i>For Class 54 Rating, Add</i>	420.33	
<i>For Class 55 Rating, Add</i>	934.25	
40 05 19 00-3038 EA 36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,439.03	932.05
<i>For Class 52 Rating, Deduct</i>	-662.95	
<i>For Class 54 Rating, Add</i>	452.01	
<i>For Class 55 Rating, Add</i>	1,004.67	
40 05 19 00-3039 EA 36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,864.14	933.82
<i>For Class 52 Rating, Deduct</i>	-709.42	
<i>For Class 54 Rating, Add</i>	483.69	
<i>For Class 55 Rating, Add</i>	1,075.09	
40 05 19 00-3040 EA 36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,289.24	935.59
<i>For Class 52 Rating, Deduct</i>	-755.88	
<i>For Class 54 Rating, Add</i>	515.38	
<i>For Class 55 Rating, Add</i>	1,145.51	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3041	EA		36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	8,714.35	937.36
			<i>For Class 52 Rating, Deduct</i>	-802.35	
			<i>For Class 54 Rating, Add</i>	547.06	
			<i>For Class 55 Rating, Add</i>	1,215.93	
40 05 19 00-3042	EA		36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	9,139.46	939.12
			<i>For Class 52 Rating, Deduct</i>	-848.82	
			<i>For Class 54 Rating, Add</i>	578.74	
			<i>For Class 55 Rating, Add</i>	1,286.35	
40 05 19 00-3043	EA		36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	9,564.56	940.90
			<i>For Class 52 Rating, Deduct</i>	-895.29	
			<i>For Class 54 Rating, Add</i>	610.42	
			<i>For Class 55 Rating, Add</i>	1,356.76	
40 05 19 00-3044	EA		36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	9,989.67	942.66
			<i>For Class 52 Rating, Deduct</i>	-941.75	
			<i>For Class 54 Rating, Add</i>	642.10	
			<i>For Class 55 Rating, Add</i>	1,427.18	
40 05 19 00-3045	EA		36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	10,414.78	944.43
			<i>For Class 52 Rating, Deduct</i>	-988.22	
			<i>For Class 54 Rating, Add</i>	673.79	
			<i>For Class 55 Rating, Add</i>	1,497.60	
40 05 19 00-3046	EA		36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	10,839.89	946.21
			<i>For Class 52 Rating, Deduct</i>	-1,034.69	
			<i>For Class 54 Rating, Add</i>	705.47	
			<i>For Class 55 Rating, Add</i>	1,568.02	
40 05 19 00-3047	EA		36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	11,264.99	947.97
			<i>For Class 52 Rating, Deduct</i>	-1,081.15	
			<i>For Class 54 Rating, Add</i>	737.15	
			<i>For Class 55 Rating, Add</i>	1,638.44	
40 05 19 00-3048	EA		36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	11,690.10	949.74
			<i>For Class 52 Rating, Deduct</i>	-1,127.62	
			<i>For Class 54 Rating, Add</i>	768.83	
			<i>For Class 55 Rating, Add</i>	1,708.86	
40 05 19 00-3049	EA		36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	12,115.21	951.51
			<i>For Class 52 Rating, Deduct</i>	-1,174.09	
			<i>For Class 54 Rating, Add</i>	800.51	
			<i>For Class 55 Rating, Add</i>	1,779.28	
40 05 19 00-3050	EA		36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	12,540.31	953.28
			<i>For Class 52 Rating, Deduct</i>	-1,220.55	
			<i>For Class 54 Rating, Add</i>	832.20	
			<i>For Class 55 Rating, Add</i>	1,849.69	
40 05 19 00-3051	EA		36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	12,965.42	955.04
			<i>For Class 52 Rating, Deduct</i>	-1,267.02	
			<i>For Class 54 Rating, Add</i>	863.88	
			<i>For Class 55 Rating, Add</i>	1,920.11	
40 05 19 00-3052	EA		36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	13,390.53	956.82
			<i>For Class 52 Rating, Deduct</i>	-1,313.49	
			<i>For Class 54 Rating, Add</i>	895.56	
			<i>For Class 55 Rating, Add</i>	1,990.53	
40 05 19 00-3053	EA		36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	13,815.63	958.58
			<i>For Class 52 Rating, Deduct</i>	-1,359.96	
			<i>For Class 54 Rating, Add</i>	927.24	
			<i>For Class 55 Rating, Add</i>	2,060.95	
40 05 19 00-3054	EA		36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	14,240.74	960.35
			<i>For Class 52 Rating, Deduct</i>	-1,406.42	
			<i>For Class 54 Rating, Add</i>	958.92	
			<i>For Class 55 Rating, Add</i>	2,131.37	
40 05 19 00-3055	EA		36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	14,665.85	962.12
			<i>For Class 52 Rating, Deduct</i>	-1,452.89	
			<i>For Class 54 Rating, Add</i>	990.61	
			<i>For Class 55 Rating, Add</i>	2,201.79	
40 05 19 00-3056	EA		36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	15,090.95	963.89
			<i>For Class 52 Rating, Deduct</i>	-1,499.36	
			<i>For Class 54 Rating, Add</i>	1,022.29	
			<i>For Class 55 Rating, Add</i>	2,272.21	
40 05 19 00-3057	EA		36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	15,516.06	965.65
			<i>For Class 52 Rating, Deduct</i>	-1,545.82	
			<i>For Class 54 Rating, Add</i>	1,053.97	
			<i>For Class 55 Rating, Add</i>	2,342.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3058 EA 36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,941.16	967.43
<i>For Class 52 Rating, Deduct</i>	-1,592.29	
<i>For Class 54 Rating, Add</i>	1,085.65	
<i>For Class 55 Rating, Add</i>	2,413.04	
40 05 19 00-3059 EA 36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,366.28	969.19
<i>For Class 52 Rating, Deduct</i>	-1,638.76	
<i>For Class 54 Rating, Add</i>	1,117.34	
<i>For Class 55 Rating, Add</i>	2,483.46	
40 05 19 00-3060 EA 36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,791.37	970.96
<i>For Class 52 Rating, Deduct</i>	-1,685.22	
<i>For Class 54 Rating, Add</i>	1,149.02	
<i>For Class 55 Rating, Add</i>	2,553.88	
40 05 19 00-3061 EA 36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,216.49	972.74
<i>For Class 52 Rating, Deduct</i>	-1,731.69	
<i>For Class 54 Rating, Add</i>	1,180.70	
<i>For Class 55 Rating, Add</i>	2,624.30	
40 05 19 00-3062 EA 36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,641.59	974.50
<i>For Class 52 Rating, Deduct</i>	-1,778.16	
<i>For Class 54 Rating, Add</i>	1,212.38	
<i>For Class 55 Rating, Add</i>	2,694.72	
40 05 19 00-3063 EA 36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,066.70	976.27
<i>For Class 52 Rating, Deduct</i>	-1,824.63	
<i>For Class 54 Rating, Add</i>	1,244.06	
<i>For Class 55 Rating, Add</i>	2,765.14	
40 05 19 00-3064 EA 36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,491.80	978.04
<i>For Class 52 Rating, Deduct</i>	-1,871.09	
<i>For Class 54 Rating, Add</i>	1,275.74	
<i>For Class 55 Rating, Add</i>	2,835.56	
40 05 19 00-3065 EA 36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,916.92	979.81
<i>For Class 52 Rating, Deduct</i>	-1,917.56	
<i>For Class 54 Rating, Add</i>	1,307.43	
<i>For Class 55 Rating, Add</i>	2,905.97	
40 05 19 00-3066 EA 36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,342.01	981.57
<i>For Class 52 Rating, Deduct</i>	-1,964.03	
<i>For Class 54 Rating, Add</i>	1,339.11	
<i>For Class 55 Rating, Add</i>	2,976.39	
40 05 19 00-3067 EA 36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,767.13	983.35
<i>For Class 52 Rating, Deduct</i>	-2,010.49	
<i>For Class 54 Rating, Add</i>	1,370.79	
<i>For Class 55 Rating, Add</i>	3,046.81	
40 05 19 00-3068 Flanged End x Plain End (FxPE), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2059)</small>		
40 05 19 00-3069 4" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3070 EA 4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	306.03	86.49
<i>For Class 52 Rating, Deduct</i>	-19.25	
<i>For Class 54 Rating, Add</i>	13.12	
<i>For Class 55 Rating, Add</i>	29.17	
40 05 19 00-3071 EA 4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	347.66	88.01
<i>For Class 52 Rating, Deduct</i>	-23.58	
<i>For Class 54 Rating, Add</i>	16.07	
<i>For Class 55 Rating, Add</i>	35.73	
40 05 19 00-3072 EA 4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	389.29	89.53
<i>For Class 52 Rating, Deduct</i>	-27.90	
<i>For Class 54 Rating, Add</i>	19.02	
<i>For Class 55 Rating, Add</i>	42.29	
40 05 19 00-3073 EA 4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	430.93	91.03
<i>For Class 52 Rating, Deduct</i>	-32.23	
<i>For Class 54 Rating, Add</i>	21.98	
<i>For Class 55 Rating, Add</i>	48.84	
40 05 19 00-3074 EA 4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	472.56	92.54
<i>For Class 52 Rating, Deduct</i>	-36.56	
<i>For Class 54 Rating, Add</i>	24.93	
<i>For Class 55 Rating, Add</i>	55.40	



## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3075	EA		4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	514.19	94.05
			For Class 52 Rating, Deduct	-40.89	
			For Class 54 Rating, Add	27.88	
			For Class 55 Rating, Add	61.96	
40 05 19 00-3076	EA		4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	555.84	95.57
			For Class 52 Rating, Deduct	-45.21	
			For Class 54 Rating, Add	30.83	
			For Class 55 Rating, Add	68.52	
40 05 19 00-3077	EA		4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	597.47	97.08
			For Class 52 Rating, Deduct	-49.54	
			For Class 54 Rating, Add	33.78	
			For Class 55 Rating, Add	75.08	
40 05 19 00-3078	EA		4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	639.11	98.59
			For Class 52 Rating, Deduct	-53.87	
			For Class 54 Rating, Add	36.73	
			For Class 55 Rating, Add	81.64	
40 05 19 00-3079	EA		4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	680.74	100.11
			For Class 52 Rating, Deduct	-58.20	
			For Class 54 Rating, Add	39.68	
			For Class 55 Rating, Add	88.20	
40 05 19 00-3080	EA		4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	722.37	101.62
			For Class 52 Rating, Deduct	-62.53	
			For Class 54 Rating, Add	42.63	
			For Class 55 Rating, Add	94.75	
40 05 19 00-3081	EA		4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	764.02	103.12
			For Class 52 Rating, Deduct	-66.85	
			For Class 54 Rating, Add	45.58	
			For Class 55 Rating, Add	101.31	
40 05 19 00-3082	EA		4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	805.65	104.64
			For Class 52 Rating, Deduct	-71.18	
			For Class 54 Rating, Add	48.53	
			For Class 55 Rating, Add	107.87	
40 05 19 00-3083	EA		4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	847.28	106.15
			For Class 52 Rating, Deduct	-75.51	
			For Class 54 Rating, Add	51.48	
			For Class 55 Rating, Add	114.43	
40 05 19 00-3084	EA		4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	888.92	107.66
			For Class 52 Rating, Deduct	-79.84	
			For Class 54 Rating, Add	54.43	
			For Class 55 Rating, Add	120.99	
40 05 19 00-3085	EA		4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	930.55	109.18
			For Class 52 Rating, Deduct	-84.16	
			For Class 54 Rating, Add	57.38	
			For Class 55 Rating, Add	127.55	
40 05 19 00-3086	EA		4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	972.18	110.69
			For Class 52 Rating, Deduct	-88.49	
			For Class 54 Rating, Add	60.34	
			For Class 55 Rating, Add	134.11	
40 05 19 00-3087	EA		4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,013.82	112.20
			For Class 52 Rating, Deduct	-92.82	
			For Class 54 Rating, Add	63.29	
			For Class 55 Rating, Add	140.66	
40 05 19 00-3088	EA		4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,055.45	113.71
			For Class 52 Rating, Deduct	-97.15	
			For Class 54 Rating, Add	66.24	
			For Class 55 Rating, Add	147.22	
40 05 19 00-3089	EA		4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,097.09	115.22
			For Class 52 Rating, Deduct	-101.48	
			For Class 54 Rating, Add	69.19	
			For Class 55 Rating, Add	153.78	
40 05 19 00-3090	EA		4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,138.72	116.74
			For Class 52 Rating, Deduct	-105.80	
			For Class 54 Rating, Add	72.14	
			For Class 55 Rating, Add	160.34	
40 05 19 00-3091	EA		4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,180.35	118.25
			For Class 52 Rating, Deduct	-110.13	
			For Class 54 Rating, Add	75.09	
			For Class 55 Rating, Add	166.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3092 EA 4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,221.99	119.76
<i>For Class 52 Rating, Deduct</i>	-114.46	
<i>For Class 54 Rating, Add</i>	78.04	
<i>For Class 55 Rating, Add</i>	173.46	
40 05 19 00-3093 EA 4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,263.63	121.28
<i>For Class 52 Rating, Deduct</i>	-118.79	
<i>For Class 54 Rating, Add</i>	80.99	
<i>For Class 55 Rating, Add</i>	180.02	
40 05 19 00-3094 EA 4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,406.73	122.79
<i>For Class 52 Rating, Deduct</i>	-134.28	
<i>For Class 54 Rating, Add</i>	91.55	
<i>For Class 55 Rating, Add</i>	203.49	
40 05 19 00-3095 EA 4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,448.36	124.29
<i>For Class 52 Rating, Deduct</i>	-138.60	
<i>For Class 54 Rating, Add</i>	94.50	
<i>For Class 55 Rating, Add</i>	210.05	
40 05 19 00-3096 EA 4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,490.00	125.81
<i>For Class 52 Rating, Deduct</i>	-142.93	
<i>For Class 54 Rating, Add</i>	97.45	
<i>For Class 55 Rating, Add</i>	216.61	
40 05 19 00-3097 EA 4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,531.63	127.32
<i>For Class 52 Rating, Deduct</i>	-147.26	
<i>For Class 54 Rating, Add</i>	100.40	
<i>For Class 55 Rating, Add</i>	223.16	
40 05 19 00-3098 EA 4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,573.27	128.83
<i>For Class 52 Rating, Deduct</i>	-151.59	
<i>For Class 54 Rating, Add</i>	103.35	
<i>For Class 55 Rating, Add</i>	229.72	
40 05 19 00-3099 EA 4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,614.91	130.35
<i>For Class 52 Rating, Deduct</i>	-155.92	
<i>For Class 54 Rating, Add</i>	106.31	
<i>For Class 55 Rating, Add</i>	236.28	
40 05 19 00-3100 EA 4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,656.54	131.86
<i>For Class 52 Rating, Deduct</i>	-160.24	
<i>For Class 54 Rating, Add</i>	109.26	
<i>For Class 55 Rating, Add</i>	242.84	
40 05 19 00-3101 EA 4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,698.18	133.38
<i>For Class 52 Rating, Deduct</i>	-164.57	
<i>For Class 54 Rating, Add</i>	112.21	
<i>For Class 55 Rating, Add</i>	249.40	
40 05 19 00-3102 EA 4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,739.81	134.88
<i>For Class 52 Rating, Deduct</i>	-168.90	
<i>For Class 54 Rating, Add</i>	115.16	
<i>For Class 55 Rating, Add</i>	255.96	
40 05 19 00-3103 EA 4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,781.43	136.39
<i>For Class 52 Rating, Deduct</i>	-173.23	
<i>For Class 54 Rating, Add</i>	118.11	
<i>For Class 55 Rating, Add</i>	262.52	
40 05 19 00-3104 EA 4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,823.08	137.91
<i>For Class 52 Rating, Deduct</i>	-177.55	
<i>For Class 54 Rating, Add</i>	121.06	
<i>For Class 55 Rating, Add</i>	269.08	
40 05 19 00-3105 EA 4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,864.71	139.42
<i>For Class 52 Rating, Deduct</i>	-181.88	
<i>For Class 54 Rating, Add</i>	124.01	
<i>For Class 55 Rating, Add</i>	275.63	
40 05 19 00-3106 EA 4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,906.34	140.93
<i>For Class 52 Rating, Deduct</i>	-186.21	
<i>For Class 54 Rating, Add</i>	126.96	
<i>For Class 55 Rating, Add</i>	282.19	
40 05 19 00-3107 EA 4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,947.98	142.45
<i>For Class 52 Rating, Deduct</i>	-190.54	
<i>For Class 54 Rating, Add</i>	129.91	
<i>For Class 55 Rating, Add</i>	288.75	
40 05 19 00-3108 EA 4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,989.61	143.96
<i>For Class 52 Rating, Deduct</i>	-194.87	
<i>For Class 54 Rating, Add</i>	132.86	
<i>For Class 55 Rating, Add</i>	295.31	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3109			6" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3110	EA		6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	377.22	108.88
			For Class 52 Rating, Deduct	-23.35	
			For Class 54 Rating, Add	15.92	
			For Class 55 Rating, Add	35.38	
40 05 19 00-3111	EA		6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	425.06	110.39
			For Class 52 Rating, Deduct	-28.36	
			For Class 54 Rating, Add	19.34	
			For Class 55 Rating, Add	42.98	
40 05 19 00-3112	EA		6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	472.90	111.90
			For Class 52 Rating, Deduct	-33.37	
			For Class 54 Rating, Add	22.75	
			For Class 55 Rating, Add	50.57	
40 05 19 00-3113	EA		6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	520.75	113.41
			For Class 52 Rating, Deduct	-38.38	
			For Class 54 Rating, Add	26.17	
			For Class 55 Rating, Add	58.16	
40 05 19 00-3114	EA		6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	568.59	114.92
			For Class 52 Rating, Deduct	-43.39	
			For Class 54 Rating, Add	29.59	
			For Class 55 Rating, Add	65.76	
40 05 19 00-3115	EA		6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	616.45	116.43
			For Class 52 Rating, Deduct	-48.40	
			For Class 54 Rating, Add	33.00	
			For Class 55 Rating, Add	73.35	
40 05 19 00-3116	EA		6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	664.29	117.95
			For Class 52 Rating, Deduct	-53.41	
			For Class 54 Rating, Add	36.42	
			For Class 55 Rating, Add	80.95	
40 05 19 00-3117	EA		6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	712.14	119.46
			For Class 52 Rating, Deduct	-58.43	
			For Class 54 Rating, Add	39.84	
			For Class 55 Rating, Add	88.54	
40 05 19 00-3118	EA		6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	759.99	120.98
			For Class 52 Rating, Deduct	-63.44	
			For Class 54 Rating, Add	43.25	
			For Class 55 Rating, Add	96.14	
40 05 19 00-3119	EA		6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	807.83	122.49
			For Class 52 Rating, Deduct	-68.45	
			For Class 54 Rating, Add	46.67	
			For Class 55 Rating, Add	103.73	
40 05 19 00-3120	EA		6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	855.68	123.99
			For Class 52 Rating, Deduct	-73.46	
			For Class 54 Rating, Add	50.09	
			For Class 55 Rating, Add	111.32	
40 05 19 00-3121	EA		6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	903.53	125.51
			For Class 52 Rating, Deduct	-78.47	
			For Class 54 Rating, Add	53.50	
			For Class 55 Rating, Add	118.92	
40 05 19 00-3122	EA		6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	951.38	127.02
			For Class 52 Rating, Deduct	-83.48	
			For Class 54 Rating, Add	56.92	
			For Class 55 Rating, Add	126.51	
40 05 19 00-3123	EA		6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	999.22	128.53
			For Class 52 Rating, Deduct	-88.49	
			For Class 54 Rating, Add	60.34	
			For Class 55 Rating, Add	134.11	
40 05 19 00-3124	EA		6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,047.07	130.05
			For Class 52 Rating, Deduct	-93.50	
			For Class 54 Rating, Add	63.75	
			For Class 55 Rating, Add	141.70	
40 05 19 00-3125	EA		6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,094.92	131.56
			For Class 52 Rating, Deduct	-98.51	
			For Class 54 Rating, Add	67.17	
			For Class 55 Rating, Add	149.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3126 EA 6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,142.76	133.07
<i>For Class 52 Rating, Deduct</i>	-103.53	
<i>For Class 54 Rating, Add</i>	70.59	
<i>For Class 55 Rating, Add</i>	156.89	
40 05 19 00-3127 EA 6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,190.62	134.59
<i>For Class 52 Rating, Deduct</i>	-108.54	
<i>For Class 54 Rating, Add</i>	74.00	
<i>For Class 55 Rating, Add</i>	164.48	
40 05 19 00-3128 EA 6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,238.46	136.09
<i>For Class 52 Rating, Deduct</i>	-113.55	
<i>For Class 54 Rating, Add</i>	77.42	
<i>For Class 55 Rating, Add</i>	172.08	
40 05 19 00-3129 EA 6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,286.30	137.61
<i>For Class 52 Rating, Deduct</i>	-118.56	
<i>For Class 54 Rating, Add</i>	80.84	
<i>For Class 55 Rating, Add</i>	179.67	
40 05 19 00-3130 EA 6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,334.15	139.12
<i>For Class 52 Rating, Deduct</i>	-123.57	
<i>For Class 54 Rating, Add</i>	84.25	
<i>For Class 55 Rating, Add</i>	187.27	
40 05 19 00-3131 EA 6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,381.99	140.63
<i>For Class 52 Rating, Deduct</i>	-128.58	
<i>For Class 54 Rating, Add</i>	87.67	
<i>For Class 55 Rating, Add</i>	194.86	
40 05 19 00-3132 EA 6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,429.85	142.15
<i>For Class 52 Rating, Deduct</i>	-133.59	
<i>For Class 54 Rating, Add</i>	91.09	
<i>For Class 55 Rating, Add</i>	202.45	
40 05 19 00-3133 EA 6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,477.69	143.66
<i>For Class 52 Rating, Deduct</i>	-138.60	
<i>For Class 54 Rating, Add</i>	94.50	
<i>For Class 55 Rating, Add</i>	210.05	
40 05 19 00-3134 EA 6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,525.54	145.17
<i>For Class 52 Rating, Deduct</i>	-143.61	
<i>For Class 54 Rating, Add</i>	97.92	
<i>For Class 55 Rating, Add</i>	217.64	
40 05 19 00-3135 EA 6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,573.38	146.68
<i>For Class 52 Rating, Deduct</i>	-148.63	
<i>For Class 54 Rating, Add</i>	101.34	
<i>For Class 55 Rating, Add</i>	225.24	
40 05 19 00-3136 EA 6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,621.23	148.19
<i>For Class 52 Rating, Deduct</i>	-153.64	
<i>For Class 54 Rating, Add</i>	104.75	
<i>For Class 55 Rating, Add</i>	232.83	
40 05 19 00-3137 EA 6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,669.08	149.70
<i>For Class 52 Rating, Deduct</i>	-158.65	
<i>For Class 54 Rating, Add</i>	108.17	
<i>For Class 55 Rating, Add</i>	240.42	
40 05 19 00-3138 EA 6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,716.93	151.22
<i>For Class 52 Rating, Deduct</i>	-163.66	
<i>For Class 54 Rating, Add</i>	111.59	
<i>For Class 55 Rating, Add</i>	248.02	
40 05 19 00-3139 EA 6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,764.78	152.73
<i>For Class 52 Rating, Deduct</i>	-168.67	
<i>For Class 54 Rating, Add</i>	115.00	
<i>For Class 55 Rating, Add</i>	255.61	
40 05 19 00-3140 EA 6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,812.62	154.24
<i>For Class 52 Rating, Deduct</i>	-173.68	
<i>For Class 54 Rating, Add</i>	118.42	
<i>For Class 55 Rating, Add</i>	263.21	
40 05 19 00-3141 EA 6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,860.47	155.76
<i>For Class 52 Rating, Deduct</i>	-178.69	
<i>For Class 54 Rating, Add</i>	121.84	
<i>For Class 55 Rating, Add</i>	270.80	
40 05 19 00-3142 EA 6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,908.32	157.26
<i>For Class 52 Rating, Deduct</i>	-183.70	
<i>For Class 54 Rating, Add</i>	125.25	
<i>For Class 55 Rating, Add</i>	278.40	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3143	EA		6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,956.16	158.78
			<i>For Class 52 Rating, Deduct</i>	-188.71	
			<i>For Class 54 Rating, Add</i>	128.67	
			<i>For Class 55 Rating, Add</i>	285.99	
40 05 19 00-3144	EA		6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,004.02	160.29
			<i>For Class 52 Rating, Deduct</i>	-193.73	
			<i>For Class 54 Rating, Add</i>	132.09	
			<i>For Class 55 Rating, Add</i>	293.58	
40 05 19 00-3145	EA		6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,051.85	161.80
			<i>For Class 52 Rating, Deduct</i>	-198.74	
			<i>For Class 54 Rating, Add</i>	135.50	
			<i>For Class 55 Rating, Add</i>	301.18	
40 05 19 00-3146	EA		6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,099.70	163.32
			<i>For Class 52 Rating, Deduct</i>	-203.75	
			<i>For Class 54 Rating, Add</i>	138.92	
			<i>For Class 55 Rating, Add</i>	308.77	
40 05 19 00-3147	EA		6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,147.54	164.82
			<i>For Class 52 Rating, Deduct</i>	-208.76	
			<i>For Class 54 Rating, Add</i>	142.34	
			<i>For Class 55 Rating, Add</i>	316.36	
40 05 19 00-3148	EA		6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,195.39	166.34
			<i>For Class 52 Rating, Deduct</i>	-213.77	
			<i>For Class 54 Rating, Add</i>	145.75	
			<i>For Class 55 Rating, Add</i>	323.96	
<b>40 05 19 00-3149</b>			<b>8" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-3068)</small>		
40 05 19 00-3150	EA		8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	510.00	139.12
			<i>For Class 52 Rating, Deduct</i>	-32.91	
			<i>For Class 54 Rating, Add</i>	22.44	
			<i>For Class 55 Rating, Add</i>	49.88	
40 05 19 00-3151	EA		8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	571.30	140.63
			<i>For Class 52 Rating, Deduct</i>	-39.41	
			<i>For Class 54 Rating, Add</i>	26.87	
			<i>For Class 55 Rating, Add</i>	59.72	
40 05 19 00-3152	EA		8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	632.62	142.15
			<i>For Class 52 Rating, Deduct</i>	-45.90	
			<i>For Class 54 Rating, Add</i>	31.29	
			<i>For Class 55 Rating, Add</i>	69.56	
40 05 19 00-3153	EA		8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	693.93	143.66
			<i>For Class 52 Rating, Deduct</i>	-52.39	
			<i>For Class 54 Rating, Add</i>	35.72	
			<i>For Class 55 Rating, Add</i>	79.39	
40 05 19 00-3154	EA		8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	755.23	145.17
			<i>For Class 52 Rating, Deduct</i>	-58.88	
			<i>For Class 54 Rating, Add</i>	40.15	
			<i>For Class 55 Rating, Add</i>	89.23	
40 05 19 00-3155	EA		8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	816.54	146.68
			<i>For Class 52 Rating, Deduct</i>	-65.37	
			<i>For Class 54 Rating, Add</i>	44.57	
			<i>For Class 55 Rating, Add</i>	99.07	
40 05 19 00-3156	EA		8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	877.84	148.19
			<i>For Class 52 Rating, Deduct</i>	-71.86	
			<i>For Class 54 Rating, Add</i>	49.00	
			<i>For Class 55 Rating, Add</i>	108.91	
40 05 19 00-3157	EA		8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	939.15	149.70
			<i>For Class 52 Rating, Deduct</i>	-78.36	
			<i>For Class 54 Rating, Add</i>	53.42	
			<i>For Class 55 Rating, Add</i>	118.75	
40 05 19 00-3158	EA		8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,000.46	151.22
			<i>For Class 52 Rating, Deduct</i>	-84.85	
			<i>For Class 54 Rating, Add</i>	57.85	
			<i>For Class 55 Rating, Add</i>	128.58	
40 05 19 00-3159	EA		8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,061.77	152.73
			<i>For Class 52 Rating, Deduct</i>	-91.34	
			<i>For Class 54 Rating, Add</i>	62.28	
			<i>For Class 55 Rating, Add</i>	138.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3160 EA 8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,123.07	154.24
<i>For Class 52 Rating, Deduct</i>	-97.83	
<i>For Class 54 Rating, Add</i>	66.70	
<i>For Class 55 Rating, Add</i>	148.26	
40 05 19 00-3161 EA 8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,184.38	155.76
<i>For Class 52 Rating, Deduct</i>	-104.32	
<i>For Class 54 Rating, Add</i>	71.13	
<i>For Class 55 Rating, Add</i>	158.10	
40 05 19 00-3162 EA 8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,245.69	157.26
<i>For Class 52 Rating, Deduct</i>	-110.82	
<i>For Class 54 Rating, Add</i>	75.56	
<i>For Class 55 Rating, Add</i>	167.94	
40 05 19 00-3163 EA 8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,306.99	158.78
<i>For Class 52 Rating, Deduct</i>	-117.31	
<i>For Class 54 Rating, Add</i>	79.98	
<i>For Class 55 Rating, Add</i>	177.77	
40 05 19 00-3164 EA 8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,368.31	160.29
<i>For Class 52 Rating, Deduct</i>	-123.80	
<i>For Class 54 Rating, Add</i>	84.41	
<i>For Class 55 Rating, Add</i>	187.61	
40 05 19 00-3165 EA 8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,429.60	161.80
<i>For Class 52 Rating, Deduct</i>	-130.29	
<i>For Class 54 Rating, Add</i>	88.83	
<i>For Class 55 Rating, Add</i>	197.45	
40 05 19 00-3166 EA 8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,490.91	163.32
<i>For Class 52 Rating, Deduct</i>	-136.78	
<i>For Class 54 Rating, Add</i>	93.26	
<i>For Class 55 Rating, Add</i>	207.29	
40 05 19 00-3167 EA 8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,552.21	164.82
<i>For Class 52 Rating, Deduct</i>	-143.27	
<i>For Class 54 Rating, Add</i>	97.69	
<i>For Class 55 Rating, Add</i>	217.12	
40 05 19 00-3168 EA 8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,613.52	166.34
<i>For Class 52 Rating, Deduct</i>	-149.77	
<i>For Class 54 Rating, Add</i>	102.11	
<i>For Class 55 Rating, Add</i>	226.96	
40 05 19 00-3169 EA 8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,674.82	167.85
<i>For Class 52 Rating, Deduct</i>	-156.26	
<i>For Class 54 Rating, Add</i>	106.54	
<i>For Class 55 Rating, Add</i>	236.80	
40 05 19 00-3170 EA 8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,736.14	169.36
<i>For Class 52 Rating, Deduct</i>	-162.75	
<i>For Class 54 Rating, Add</i>	110.96	
<i>For Class 55 Rating, Add</i>	246.64	
40 05 19 00-3171 EA 8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,797.44	170.87
<i>For Class 52 Rating, Deduct</i>	-169.24	
<i>For Class 54 Rating, Add</i>	115.39	
<i>For Class 55 Rating, Add</i>	256.47	
40 05 19 00-3172 EA 8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,858.75	172.39
<i>For Class 52 Rating, Deduct</i>	-175.73	
<i>For Class 54 Rating, Add</i>	119.82	
<i>For Class 55 Rating, Add</i>	266.31	
40 05 19 00-3173 EA 8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,920.06	173.90
<i>For Class 52 Rating, Deduct</i>	-182.22	
<i>For Class 54 Rating, Add</i>	124.24	
<i>For Class 55 Rating, Add</i>	276.15	
40 05 19 00-3174 EA 8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,981.36	175.42
<i>For Class 52 Rating, Deduct</i>	-188.71	
<i>For Class 54 Rating, Add</i>	128.67	
<i>For Class 55 Rating, Add</i>	285.99	
40 05 19 00-3175 EA 8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,042.68	176.92
<i>For Class 52 Rating, Deduct</i>	-195.21	
<i>For Class 54 Rating, Add</i>	133.10	
<i>For Class 55 Rating, Add</i>	295.83	
40 05 19 00-3176 EA 8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,103.98	178.43
<i>For Class 52 Rating, Deduct</i>	-201.70	
<i>For Class 54 Rating, Add</i>	137.52	
<i>For Class 55 Rating, Add</i>	305.66	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3177	EA		8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,165.29	179.95
			<i>For Class 52 Rating, Deduct</i>	-208.19	
			<i>For Class 54 Rating, Add</i>	141.95	
			<i>For Class 55 Rating, Add</i>	315.50	
40 05 19 00-3178	EA		8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,226.59	181.45
			<i>For Class 52 Rating, Deduct</i>	-214.68	
			<i>For Class 54 Rating, Add</i>	146.37	
			<i>For Class 55 Rating, Add</i>	325.34	
40 05 19 00-3179	EA		8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,287.90	182.97
			<i>For Class 52 Rating, Deduct</i>	-221.17	
			<i>For Class 54 Rating, Add</i>	150.80	
			<i>For Class 55 Rating, Add</i>	335.18	
40 05 19 00-3180	EA		8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,349.20	184.49
			<i>For Class 52 Rating, Deduct</i>	-227.66	
			<i>For Class 54 Rating, Add</i>	155.23	
			<i>For Class 55 Rating, Add</i>	345.02	
40 05 19 00-3181	EA		8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,410.51	186.00
			<i>For Class 52 Rating, Deduct</i>	-234.16	
			<i>For Class 54 Rating, Add</i>	159.65	
			<i>For Class 55 Rating, Add</i>	354.85	
40 05 19 00-3182	EA		8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,471.82	187.51
			<i>For Class 52 Rating, Deduct</i>	-240.65	
			<i>For Class 54 Rating, Add</i>	164.08	
			<i>For Class 55 Rating, Add</i>	364.69	
40 05 19 00-3183	EA		8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,533.12	189.01
			<i>For Class 52 Rating, Deduct</i>	-247.14	
			<i>For Class 54 Rating, Add</i>	168.50	
			<i>For Class 55 Rating, Add</i>	374.53	
40 05 19 00-3184	EA		8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,594.43	190.53
			<i>For Class 52 Rating, Deduct</i>	-253.63	
			<i>For Class 54 Rating, Add</i>	172.93	
			<i>For Class 55 Rating, Add</i>	384.37	
40 05 19 00-3185	EA		8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,655.73	192.04
			<i>For Class 52 Rating, Deduct</i>	-260.12	
			<i>For Class 54 Rating, Add</i>	177.36	
			<i>For Class 55 Rating, Add</i>	394.21	
40 05 19 00-3186	EA		8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,717.04	193.55
			<i>For Class 52 Rating, Deduct</i>	-266.62	
			<i>For Class 54 Rating, Add</i>	181.78	
			<i>For Class 55 Rating, Add</i>	404.04	
40 05 19 00-3187	EA		8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,778.35	195.07
			<i>For Class 52 Rating, Deduct</i>	-273.11	
			<i>For Class 54 Rating, Add</i>	186.21	
			<i>For Class 55 Rating, Add</i>	413.88	
40 05 19 00-3188	EA		8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,839.66	196.59
			<i>For Class 52 Rating, Deduct</i>	-279.60	
			<i>For Class 54 Rating, Add</i>	190.64	
			<i>For Class 55 Rating, Add</i>	423.72	
40 05 19 00-3189			<b>10" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-3068)</small>		
40 05 19 00-3190	EA		10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	640.73	169.36
			<i>For Class 52 Rating, Deduct</i>	-42.25	
			<i>For Class 54 Rating, Add</i>	28.81	
			<i>For Class 55 Rating, Add</i>	64.03	
40 05 19 00-3191	EA		10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	719.64	170.87
			<i>For Class 52 Rating, Deduct</i>	-50.68	
			<i>For Class 54 Rating, Add</i>	34.56	
			<i>For Class 55 Rating, Add</i>	76.81	
40 05 19 00-3192	EA		10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	798.54	172.39
			<i>For Class 52 Rating, Deduct</i>	-59.11	
			<i>For Class 54 Rating, Add</i>	40.30	
			<i>For Class 55 Rating, Add</i>	89.58	
40 05 19 00-3193	EA		10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	877.45	173.90
			<i>For Class 52 Rating, Deduct</i>	-67.54	
			<i>For Class 54 Rating, Add</i>	46.05	
			<i>For Class 55 Rating, Add</i>	102.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3194 EA 10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	956.36	175.42
<i>For Class 52 Rating, Deduct</i>	-75.96	
<i>For Class 54 Rating, Add</i>	51.79	
<i>For Class 55 Rating, Add</i>	115.12	
40 05 19 00-3195 EA 10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,035.27	176.92
<i>For Class 52 Rating, Deduct</i>	-84.39	
<i>For Class 54 Rating, Add</i>	57.54	
<i>For Class 55 Rating, Add</i>	127.89	
40 05 19 00-3196 EA 10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,114.18	178.43
<i>For Class 52 Rating, Deduct</i>	-92.82	
<i>For Class 54 Rating, Add</i>	63.29	
<i>For Class 55 Rating, Add</i>	140.66	
40 05 19 00-3197 EA 10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,193.09	179.95
<i>For Class 52 Rating, Deduct</i>	-101.25	
<i>For Class 54 Rating, Add</i>	69.03	
<i>For Class 55 Rating, Add</i>	153.44	
40 05 19 00-3198 EA 10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,271.99	181.45
<i>For Class 52 Rating, Deduct</i>	-109.68	
<i>For Class 54 Rating, Add</i>	74.78	
<i>For Class 55 Rating, Add</i>	166.21	
40 05 19 00-3199 EA 10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,350.90	182.97
<i>For Class 52 Rating, Deduct</i>	-118.10	
<i>For Class 54 Rating, Add</i>	80.53	
<i>For Class 55 Rating, Add</i>	178.98	
40 05 19 00-3200 EA 10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,429.80	184.49
<i>For Class 52 Rating, Deduct</i>	-126.53	
<i>For Class 54 Rating, Add</i>	86.27	
<i>For Class 55 Rating, Add</i>	191.75	
40 05 19 00-3201 EA 10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,508.71	186.00
<i>For Class 52 Rating, Deduct</i>	-134.96	
<i>For Class 54 Rating, Add</i>	92.02	
<i>For Class 55 Rating, Add</i>	204.52	
40 05 19 00-3202 EA 10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,587.62	187.51
<i>For Class 52 Rating, Deduct</i>	-143.39	
<i>For Class 54 Rating, Add</i>	97.76	
<i>For Class 55 Rating, Add</i>	217.30	
40 05 19 00-3203 EA 10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,666.52	189.01
<i>For Class 52 Rating, Deduct</i>	-151.81	
<i>For Class 54 Rating, Add</i>	103.51	
<i>For Class 55 Rating, Add</i>	230.07	
40 05 19 00-3204 EA 10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,745.43	190.53
<i>For Class 52 Rating, Deduct</i>	-160.24	
<i>For Class 54 Rating, Add</i>	109.26	
<i>For Class 55 Rating, Add</i>	242.84	
40 05 19 00-3205 EA 10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,824.34	192.04
<i>For Class 52 Rating, Deduct</i>	-168.67	
<i>For Class 54 Rating, Add</i>	115.00	
<i>For Class 55 Rating, Add</i>	255.61	
40 05 19 00-3206 EA 10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,903.24	193.55
<i>For Class 52 Rating, Deduct</i>	-177.10	
<i>For Class 54 Rating, Add</i>	120.75	
<i>For Class 55 Rating, Add</i>	268.38	
40 05 19 00-3207 EA 10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,982.16	195.07
<i>For Class 52 Rating, Deduct</i>	-185.53	
<i>For Class 54 Rating, Add</i>	126.50	
<i>For Class 55 Rating, Add</i>	281.16	
40 05 19 00-3208 EA 10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,061.07	196.59
<i>For Class 52 Rating, Deduct</i>	-193.95	
<i>For Class 54 Rating, Add</i>	132.24	
<i>For Class 55 Rating, Add</i>	293.93	
40 05 19 00-3209 EA 10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,139.97	198.09
<i>For Class 52 Rating, Deduct</i>	-202.38	
<i>For Class 54 Rating, Add</i>	137.99	
<i>For Class 55 Rating, Add</i>	306.70	
40 05 19 00-3210 EA 10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,218.88	199.60
<i>For Class 52 Rating, Deduct</i>	-210.81	
<i>For Class 54 Rating, Add</i>	143.73	
<i>For Class 55 Rating, Add</i>	319.47	



## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3211	EA		10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,297.79	201.11
			For Class 52 Rating, Deduct	-219.24	
			For Class 54 Rating, Add	149.48	
			For Class 55 Rating, Add	332.24	
40 05 19 00-3212	EA		10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,376.70	202.62
			For Class 52 Rating, Deduct	-227.66	
			For Class 54 Rating, Add	155.23	
			For Class 55 Rating, Add	345.02	
40 05 19 00-3213	EA		10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,455.61	204.14
			For Class 52 Rating, Deduct	-236.09	
			For Class 54 Rating, Add	160.97	
			For Class 55 Rating, Add	357.79	
40 05 19 00-3214	EA		10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,534.52	205.65
			For Class 52 Rating, Deduct	-244.52	
			For Class 54 Rating, Add	166.72	
			For Class 55 Rating, Add	370.56	
40 05 19 00-3215	EA		10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,613.42	207.17
			For Class 52 Rating, Deduct	-252.95	
			For Class 54 Rating, Add	172.46	
			For Class 55 Rating, Add	383.33	
40 05 19 00-3216	EA		10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,692.33	208.68
			For Class 52 Rating, Deduct	-261.38	
			For Class 54 Rating, Add	178.21	
			For Class 55 Rating, Add	396.10	
40 05 19 00-3217	EA		10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,771.24	210.18
			For Class 52 Rating, Deduct	-269.80	
			For Class 54 Rating, Add	183.96	
			For Class 55 Rating, Add	408.88	
40 05 19 00-3218	EA		10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,850.14	211.70
			For Class 52 Rating, Deduct	-278.23	
			For Class 54 Rating, Add	189.70	
			For Class 55 Rating, Add	421.65	
40 05 19 00-3219	EA		10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,929.05	213.21
			For Class 52 Rating, Deduct	-286.66	
			For Class 54 Rating, Add	195.45	
			For Class 55 Rating, Add	434.42	
40 05 19 00-3220	EA		10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,007.96	214.72
			For Class 52 Rating, Deduct	-295.09	
			For Class 54 Rating, Add	201.20	
			For Class 55 Rating, Add	447.19	
40 05 19 00-3221	EA		10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,086.86	216.24
			For Class 52 Rating, Deduct	-303.52	
			For Class 54 Rating, Add	206.94	
			For Class 55 Rating, Add	459.96	
40 05 19 00-3222	EA		10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,165.77	217.75
			For Class 52 Rating, Deduct	-311.94	
			For Class 54 Rating, Add	212.69	
			For Class 55 Rating, Add	472.74	
40 05 19 00-3223	EA		10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,244.68	219.26
			For Class 52 Rating, Deduct	-320.37	
			For Class 54 Rating, Add	218.44	
			For Class 55 Rating, Add	485.51	
40 05 19 00-3224	EA		10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,323.59	220.78
			For Class 52 Rating, Deduct	-328.80	
			For Class 54 Rating, Add	224.18	
			For Class 55 Rating, Add	498.28	
40 05 19 00-3225	EA		10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,402.50	222.28
			For Class 52 Rating, Deduct	-337.23	
			For Class 54 Rating, Add	229.93	
			For Class 55 Rating, Add	511.05	
40 05 19 00-3226	EA		10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,481.41	223.80
			For Class 52 Rating, Deduct	-345.66	
			For Class 54 Rating, Add	235.67	
			For Class 55 Rating, Add	523.82	
40 05 19 00-3227	EA		10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,560.31	225.31
			For Class 52 Rating, Deduct	-354.08	
			For Class 54 Rating, Add	241.42	
			For Class 55 Rating, Add	536.60	



<b>Process Interconnections</b>	<b>40</b>
<b>Common Work Results For Process Interconnections</b>	
<b>40 05</b>	<b>40</b>
<b>Ductile Iron Process Pipe 40 05 19</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3228 EA 10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,639.22	226.82
<i>For Class 52 Rating, Deduct</i>	-362.51	
<i>For Class 54 Rating, Add</i>	247.17	
<i>For Class 55 Rating, Add</i>	549.37	
<b>40 05 19 00-3229 12" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-3068)</small>		
40 05 19 00-3230 EA 12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	828.09	211.70
<i>For Class 52 Rating, Deduct</i>	-55.81	
<i>For Class 54 Rating, Add</i>	38.05	
<i>For Class 55 Rating, Add</i>	84.57	
40 05 19 00-3231 EA 12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	925.63	213.21
<i>For Class 52 Rating, Deduct</i>	-66.28	
<i>For Class 54 Rating, Add</i>	45.19	
<i>For Class 55 Rating, Add</i>	100.45	
40 05 19 00-3232 EA 12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,023.17	214.72
<i>For Class 52 Rating, Deduct</i>	-76.76	
<i>For Class 54 Rating, Add</i>	52.34	
<i>For Class 55 Rating, Add</i>	116.33	
40 05 19 00-3233 EA 12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,120.72	216.24
<i>For Class 52 Rating, Deduct</i>	-87.24	
<i>For Class 54 Rating, Add</i>	59.48	
<i>For Class 55 Rating, Add</i>	132.21	
40 05 19 00-3234 EA 12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,218.26	217.75
<i>For Class 52 Rating, Deduct</i>	-97.72	
<i>For Class 54 Rating, Add</i>	66.63	
<i>For Class 55 Rating, Add</i>	148.09	
40 05 19 00-3235 EA 12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,315.80	219.26
<i>For Class 52 Rating, Deduct</i>	-108.19	
<i>For Class 54 Rating, Add</i>	73.77	
<i>For Class 55 Rating, Add</i>	163.96	
40 05 19 00-3236 EA 12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,413.36	220.78
<i>For Class 52 Rating, Deduct</i>	-118.67	
<i>For Class 54 Rating, Add</i>	80.91	
<i>For Class 55 Rating, Add</i>	179.84	
40 05 19 00-3237 EA 12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,510.90	222.28
<i>For Class 52 Rating, Deduct</i>	-129.15	
<i>For Class 54 Rating, Add</i>	88.06	
<i>For Class 55 Rating, Add</i>	195.72	
40 05 19 00-3238 EA 12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,608.44	223.80
<i>For Class 52 Rating, Deduct</i>	-139.63	
<i>For Class 54 Rating, Add</i>	95.20	
<i>For Class 55 Rating, Add</i>	211.60	
40 05 19 00-3239 EA 12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,705.98	225.31
<i>For Class 52 Rating, Deduct</i>	-150.11	
<i>For Class 54 Rating, Add</i>	102.35	
<i>For Class 55 Rating, Add</i>	227.48	
40 05 19 00-3240 EA 12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,803.53	226.82
<i>For Class 52 Rating, Deduct</i>	-160.58	
<i>For Class 54 Rating, Add</i>	109.49	
<i>For Class 55 Rating, Add</i>	243.36	
40 05 19 00-3241 EA 12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,901.08	228.34
<i>For Class 52 Rating, Deduct</i>	-171.06	
<i>For Class 54 Rating, Add</i>	116.63	
<i>For Class 55 Rating, Add</i>	259.24	
40 05 19 00-3242 EA 12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,998.62	229.85
<i>For Class 52 Rating, Deduct</i>	-181.54	
<i>For Class 54 Rating, Add</i>	123.78	
<i>For Class 55 Rating, Add</i>	275.12	
40 05 19 00-3243 EA 12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,096.17	231.36
<i>For Class 52 Rating, Deduct</i>	-192.02	
<i>For Class 54 Rating, Add</i>	130.92	
<i>For Class 55 Rating, Add</i>	290.99	
40 05 19 00-3244 EA 12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,193.71	232.87
<i>For Class 52 Rating, Deduct</i>	-202.50	
<i>For Class 54 Rating, Add</i>	138.07	
<i>For Class 55 Rating, Add</i>	306.87	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3245	EA		12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,291.25	234.38
			<i>For Class 52 Rating, Deduct</i>	-212.97	
			<i>For Class 54 Rating, Add</i>	145.21	
			<i>For Class 55 Rating, Add</i>	322.75	
40 05 19 00-3246	EA		12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,388.79	235.89
			<i>For Class 52 Rating, Deduct</i>	-223.45	
			<i>For Class 54 Rating, Add</i>	152.35	
			<i>For Class 55 Rating, Add</i>	338.63	
40 05 19 00-3247	EA		12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,486.34	237.41
			<i>For Class 52 Rating, Deduct</i>	-233.93	
			<i>For Class 54 Rating, Add</i>	159.50	
			<i>For Class 55 Rating, Add</i>	354.51	
40 05 19 00-3248	EA		12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,583.88	238.92
			<i>For Class 52 Rating, Deduct</i>	-244.41	
			<i>For Class 54 Rating, Add</i>	166.64	
			<i>For Class 55 Rating, Add</i>	370.39	
40 05 19 00-3249	EA		12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,681.43	240.43
			<i>For Class 52 Rating, Deduct</i>	-254.89	
			<i>For Class 54 Rating, Add</i>	173.79	
			<i>For Class 55 Rating, Add</i>	386.27	
40 05 19 00-3250	EA		12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,778.97	241.95
			<i>For Class 52 Rating, Deduct</i>	-265.36	
			<i>For Class 54 Rating, Add</i>	180.93	
			<i>For Class 55 Rating, Add</i>	402.15	
40 05 19 00-3251	EA		12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,876.51	243.45
			<i>For Class 52 Rating, Deduct</i>	-275.84	
			<i>For Class 54 Rating, Add</i>	188.07	
			<i>For Class 55 Rating, Add</i>	418.02	
40 05 19 00-3252	EA		12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,974.06	244.97
			<i>For Class 52 Rating, Deduct</i>	-286.32	
			<i>For Class 54 Rating, Add</i>	195.22	
			<i>For Class 55 Rating, Add</i>	433.90	
40 05 19 00-3253	EA		12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,071.61	246.48
			<i>For Class 52 Rating, Deduct</i>	-296.80	
			<i>For Class 54 Rating, Add</i>	202.36	
			<i>For Class 55 Rating, Add</i>	449.78	
40 05 19 00-3254	EA		12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,169.15	247.99
			<i>For Class 52 Rating, Deduct</i>	-307.27	
			<i>For Class 54 Rating, Add</i>	209.51	
			<i>For Class 55 Rating, Add</i>	465.66	
40 05 19 00-3255	EA		12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,266.69	249.51
			<i>For Class 52 Rating, Deduct</i>	-317.75	
			<i>For Class 54 Rating, Add</i>	216.65	
			<i>For Class 55 Rating, Add</i>	481.54	
40 05 19 00-3256	EA		12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,364.24	251.02
			<i>For Class 52 Rating, Deduct</i>	-328.23	
			<i>For Class 54 Rating, Add</i>	223.79	
			<i>For Class 55 Rating, Add</i>	497.42	
40 05 19 00-3257	EA		12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,461.78	252.53
			<i>For Class 52 Rating, Deduct</i>	-338.71	
			<i>For Class 54 Rating, Add</i>	230.94	
			<i>For Class 55 Rating, Add</i>	513.30	
40 05 19 00-3258	EA		12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,559.33	254.04
			<i>For Class 52 Rating, Deduct</i>	-349.19	
			<i>For Class 54 Rating, Add</i>	238.08	
			<i>For Class 55 Rating, Add</i>	529.17	
40 05 19 00-3259	EA		12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,656.88	255.55
			<i>For Class 52 Rating, Deduct</i>	-359.66	
			<i>For Class 54 Rating, Add</i>	245.23	
			<i>For Class 55 Rating, Add</i>	545.05	
40 05 19 00-3260	EA		12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,754.42	257.06
			<i>For Class 52 Rating, Deduct</i>	-370.14	
			<i>For Class 54 Rating, Add</i>	252.37	
			<i>For Class 55 Rating, Add</i>	560.93	
40 05 19 00-3261	EA		12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,851.96	258.58
			<i>For Class 52 Rating, Deduct</i>	-380.62	
			<i>For Class 54 Rating, Add</i>	259.51	
			<i>For Class 55 Rating, Add</i>	576.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3262 EA 12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,949.51	260.09
<i>For Class 52 Rating, Deduct</i>	-391.10	
<i>For Class 54 Rating, Add</i>	266.66	
<i>For Class 55 Rating, Add</i>	592.69	
40 05 19 00-3263 EA 12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,047.04	261.61
<i>For Class 52 Rating, Deduct</i>	-401.57	
<i>For Class 54 Rating, Add</i>	273.80	
<i>For Class 55 Rating, Add</i>	608.57	
40 05 19 00-3264 EA 12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,144.59	263.12
<i>For Class 52 Rating, Deduct</i>	-412.05	
<i>For Class 54 Rating, Add</i>	280.94	
<i>For Class 55 Rating, Add</i>	624.45	
40 05 19 00-3265 EA 12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,242.14	264.62
<i>For Class 52 Rating, Deduct</i>	-422.53	
<i>For Class 54 Rating, Add</i>	288.09	
<i>For Class 55 Rating, Add</i>	640.33	
40 05 19 00-3266 EA 12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,339.68	266.14
<i>For Class 52 Rating, Deduct</i>	-433.01	
<i>For Class 54 Rating, Add</i>	295.23	
<i>For Class 55 Rating, Add</i>	656.20	
40 05 19 00-3267 EA 12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,437.22	267.65
<i>For Class 52 Rating, Deduct</i>	-443.49	
<i>For Class 54 Rating, Add</i>	302.38	
<i>For Class 55 Rating, Add</i>	672.08	
40 05 19 00-3268 EA 12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,534.76	269.16
<i>For Class 52 Rating, Deduct</i>	-453.96	
<i>For Class 54 Rating, Add</i>	309.52	
<i>For Class 55 Rating, Add</i>	687.96	
<b>40 05 19 00-3269 14" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-3068)</small>		
40 05 19 00-3270 EA 14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,100.35	254.04
<i>For Class 52 Rating, Deduct</i>	-78.70	
<i>For Class 54 Rating, Add</i>	53.66	
<i>For Class 55 Rating, Add</i>	119.26	
40 05 19 00-3271 EA 14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,218.60	255.55
<i>For Class 52 Rating, Deduct</i>	-91.45	
<i>For Class 54 Rating, Add</i>	62.35	
<i>For Class 55 Rating, Add</i>	138.59	
40 05 19 00-3272 EA 14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,336.85	257.06
<i>For Class 52 Rating, Deduct</i>	-104.21	
<i>For Class 54 Rating, Add</i>	71.05	
<i>For Class 55 Rating, Add</i>	157.92	
40 05 19 00-3273 EA 14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,455.10	258.58
<i>For Class 52 Rating, Deduct</i>	-116.96	
<i>For Class 54 Rating, Add</i>	79.75	
<i>For Class 55 Rating, Add</i>	177.25	
40 05 19 00-3274 EA 14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,573.36	260.09
<i>For Class 52 Rating, Deduct</i>	-129.72	
<i>For Class 54 Rating, Add</i>	88.45	
<i>For Class 55 Rating, Add</i>	196.59	
40 05 19 00-3275 EA 14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,691.60	261.61
<i>For Class 52 Rating, Deduct</i>	-142.48	
<i>For Class 54 Rating, Add</i>	97.14	
<i>For Class 55 Rating, Add</i>	215.92	
40 05 19 00-3276 EA 14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,809.86	263.12
<i>For Class 52 Rating, Deduct</i>	-155.23	
<i>For Class 54 Rating, Add</i>	105.84	
<i>For Class 55 Rating, Add</i>	235.25	
40 05 19 00-3277 EA 14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,928.11	264.62
<i>For Class 52 Rating, Deduct</i>	-167.99	
<i>For Class 54 Rating, Add</i>	114.54	
<i>For Class 55 Rating, Add</i>	254.58	
40 05 19 00-3278 EA 14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,046.36	266.14
<i>For Class 52 Rating, Deduct</i>	-180.74	
<i>For Class 54 Rating, Add</i>	123.23	
<i>For Class 55 Rating, Add</i>	273.91	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3279	EA		14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,164.61	267.65
			<i>For Class 52 Rating, Deduct</i>	-193.50	
			<i>For Class 54 Rating, Add</i>	131.93	
			<i>For Class 55 Rating, Add</i>	293.24	
40 05 19 00-3280	EA		14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,282.86	269.16
			<i>For Class 52 Rating, Deduct</i>	-206.25	
			<i>For Class 54 Rating, Add</i>	140.63	
			<i>For Class 55 Rating, Add</i>	312.57	
40 05 19 00-3281	EA		14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,401.11	270.68
			<i>For Class 52 Rating, Deduct</i>	-219.01	
			<i>For Class 54 Rating, Add</i>	149.33	
			<i>For Class 55 Rating, Add</i>	331.90	
40 05 19 00-3282	EA		14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,519.37	272.19
			<i>For Class 52 Rating, Deduct</i>	-231.77	
			<i>For Class 54 Rating, Add</i>	158.02	
			<i>For Class 55 Rating, Add</i>	351.23	
40 05 19 00-3283	EA		14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,637.62	273.70
			<i>For Class 52 Rating, Deduct</i>	-244.52	
			<i>For Class 54 Rating, Add</i>	166.72	
			<i>For Class 55 Rating, Add</i>	370.56	
40 05 19 00-3284	EA		14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,755.87	275.21
			<i>For Class 52 Rating, Deduct</i>	-257.28	
			<i>For Class 54 Rating, Add</i>	175.42	
			<i>For Class 55 Rating, Add</i>	389.89	
40 05 19 00-3285	EA		14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,874.12	276.72
			<i>For Class 52 Rating, Deduct</i>	-270.03	
			<i>For Class 54 Rating, Add</i>	184.11	
			<i>For Class 55 Rating, Add</i>	409.22	
40 05 19 00-3286	EA		14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,992.37	278.23
			<i>For Class 52 Rating, Deduct</i>	-282.79	
			<i>For Class 54 Rating, Add</i>	192.81	
			<i>For Class 55 Rating, Add</i>	428.55	
40 05 19 00-3287	EA		14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,110.62	279.75
			<i>For Class 52 Rating, Deduct</i>	-295.54	
			<i>For Class 54 Rating, Add</i>	201.51	
			<i>For Class 55 Rating, Add</i>	447.88	
40 05 19 00-3288	EA		14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,228.88	281.26
			<i>For Class 52 Rating, Deduct</i>	-308.30	
			<i>For Class 54 Rating, Add</i>	210.20	
			<i>For Class 55 Rating, Add</i>	467.21	
40 05 19 00-3289	EA		14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,347.13	282.78
			<i>For Class 52 Rating, Deduct</i>	-321.05	
			<i>For Class 54 Rating, Add</i>	218.90	
			<i>For Class 55 Rating, Add</i>	486.54	
40 05 19 00-3290	EA		14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,465.38	284.29
			<i>For Class 52 Rating, Deduct</i>	-333.81	
			<i>For Class 54 Rating, Add</i>	227.60	
			<i>For Class 55 Rating, Add</i>	505.87	
40 05 19 00-3291	EA		14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,583.62	285.79
			<i>For Class 52 Rating, Deduct</i>	-346.57	
			<i>For Class 54 Rating, Add</i>	236.30	
			<i>For Class 55 Rating, Add</i>	525.21	
40 05 19 00-3292	EA		14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,701.87	287.31
			<i>For Class 52 Rating, Deduct</i>	-359.32	
			<i>For Class 54 Rating, Add</i>	244.99	
			<i>For Class 55 Rating, Add</i>	544.54	
40 05 19 00-3293	EA		14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,820.13	288.82
			<i>For Class 52 Rating, Deduct</i>	-372.08	
			<i>For Class 54 Rating, Add</i>	253.69	
			<i>For Class 55 Rating, Add</i>	563.87	
40 05 19 00-3294	EA		14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,938.38	290.33
			<i>For Class 52 Rating, Deduct</i>	-384.83	
			<i>For Class 54 Rating, Add</i>	262.39	
			<i>For Class 55 Rating, Add</i>	583.20	
40 05 19 00-3295	EA		14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,056.63	291.85
			<i>For Class 52 Rating, Deduct</i>	-397.59	
			<i>For Class 54 Rating, Add</i>	271.08	
			<i>For Class 55 Rating, Add</i>	602.53	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3296 EA 14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,174.88	293.36
<i>For Class 52 Rating, Deduct</i>	-410.34	
<i>For Class 54 Rating, Add</i>	279.78	
<i>For Class 55 Rating, Add</i>	621.86	
40 05 19 00-3297 EA 14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,293.13	294.87
<i>For Class 52 Rating, Deduct</i>	-423.10	
<i>For Class 54 Rating, Add</i>	288.48	
<i>For Class 55 Rating, Add</i>	641.19	
40 05 19 00-3298 EA 14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,411.38	296.38
<i>For Class 52 Rating, Deduct</i>	-435.86	
<i>For Class 54 Rating, Add</i>	297.17	
<i>For Class 55 Rating, Add</i>	660.52	
40 05 19 00-3299 EA 14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,529.64	297.89
<i>For Class 52 Rating, Deduct</i>	-448.61	
<i>For Class 54 Rating, Add</i>	305.87	
<i>For Class 55 Rating, Add</i>	679.85	
40 05 19 00-3300 EA 14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,647.89	299.41
<i>For Class 52 Rating, Deduct</i>	-461.37	
<i>For Class 54 Rating, Add</i>	314.57	
<i>For Class 55 Rating, Add</i>	699.18	
40 05 19 00-3301 EA 14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,766.14	300.92
<i>For Class 52 Rating, Deduct</i>	-474.12	
<i>For Class 54 Rating, Add</i>	323.27	
<i>For Class 55 Rating, Add</i>	718.51	
40 05 19 00-3302 EA 14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,884.39	302.43
<i>For Class 52 Rating, Deduct</i>	-486.88	
<i>For Class 54 Rating, Add</i>	331.96	
<i>For Class 55 Rating, Add</i>	737.84	
40 05 19 00-3303 EA 14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,002.64	303.95
<i>For Class 52 Rating, Deduct</i>	-499.63	
<i>For Class 54 Rating, Add</i>	340.66	
<i>For Class 55 Rating, Add</i>	757.17	
40 05 19 00-3304 EA 14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,120.89	305.46
<i>For Class 52 Rating, Deduct</i>	-512.39	
<i>For Class 54 Rating, Add</i>	349.36	
<i>For Class 55 Rating, Add</i>	776.50	
40 05 19 00-3305 EA 14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,239.15	306.97
<i>For Class 52 Rating, Deduct</i>	-525.14	
<i>For Class 54 Rating, Add</i>	358.05	
<i>For Class 55 Rating, Add</i>	795.83	
40 05 19 00-3306 EA 14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,357.41	308.48
<i>For Class 52 Rating, Deduct</i>	-537.90	
<i>For Class 54 Rating, Add</i>	366.75	
<i>For Class 55 Rating, Add</i>	815.16	
40 05 19 00-3307 EA 14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,475.65	309.99
<i>For Class 52 Rating, Deduct</i>	-550.66	
<i>For Class 54 Rating, Add</i>	375.45	
<i>For Class 55 Rating, Add</i>	834.50	
<b>40 05 19 00-3308 16" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-3068)</small>		
40 05 19 00-3309 EA 16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,283.72	290.33
<i>For Class 52 Rating, Deduct</i>	-92.82	
<i>For Class 54 Rating, Add</i>	63.29	
<i>For Class 55 Rating, Add</i>	140.66	
40 05 19 00-3310 EA 16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,420.61	291.85
<i>For Class 52 Rating, Deduct</i>	-107.63	
<i>For Class 54 Rating, Add</i>	73.38	
<i>For Class 55 Rating, Add</i>	163.10	
40 05 19 00-3311 EA 16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,557.49	293.36
<i>For Class 52 Rating, Deduct</i>	-122.43	
<i>For Class 54 Rating, Add</i>	83.48	
<i>For Class 55 Rating, Add</i>	185.54	
40 05 19 00-3312 EA 16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,694.38	294.87
<i>For Class 52 Rating, Deduct</i>	-137.24	
<i>For Class 54 Rating, Add</i>	93.57	
<i>For Class 55 Rating, Add</i>	207.98	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3313	EA		16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,831.27	296.38
			<i>For Class 52 Rating, Deduct</i>	-152.04	
			<i>For Class 54 Rating, Add</i>	103.67	
			<i>For Class 55 Rating, Add</i>	230.41	
40 05 19 00-3314	EA		16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,968.16	297.89
			<i>For Class 52 Rating, Deduct</i>	-166.85	
			<i>For Class 54 Rating, Add</i>	113.76	
			<i>For Class 55 Rating, Add</i>	252.85	
40 05 19 00-3315	EA		16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,105.05	299.41
			<i>For Class 52 Rating, Deduct</i>	-181.65	
			<i>For Class 54 Rating, Add</i>	123.86	
			<i>For Class 55 Rating, Add</i>	275.29	
40 05 19 00-3316	EA		16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,241.94	300.92
			<i>For Class 52 Rating, Deduct</i>	-196.46	
			<i>For Class 54 Rating, Add</i>	133.95	
			<i>For Class 55 Rating, Add</i>	297.73	
40 05 19 00-3317	EA		16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,378.82	302.43
			<i>For Class 52 Rating, Deduct</i>	-211.26	
			<i>For Class 54 Rating, Add</i>	144.04	
			<i>For Class 55 Rating, Add</i>	320.16	
40 05 19 00-3318	EA		16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,515.71	303.95
			<i>For Class 52 Rating, Deduct</i>	-226.07	
			<i>For Class 54 Rating, Add</i>	154.14	
			<i>For Class 55 Rating, Add</i>	342.60	
40 05 19 00-3319	EA		16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,652.60	305.46
			<i>For Class 52 Rating, Deduct</i>	-240.88	
			<i>For Class 54 Rating, Add</i>	164.23	
			<i>For Class 55 Rating, Add</i>	365.04	
40 05 19 00-3320	EA		16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,789.49	306.97
			<i>For Class 52 Rating, Deduct</i>	-255.68	
			<i>For Class 54 Rating, Add</i>	174.33	
			<i>For Class 55 Rating, Add</i>	387.47	
40 05 19 00-3321	EA		16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,926.38	308.48
			<i>For Class 52 Rating, Deduct</i>	-270.49	
			<i>For Class 54 Rating, Add</i>	184.42	
			<i>For Class 55 Rating, Add</i>	409.91	
40 05 19 00-3322	EA		16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,063.26	309.99
			<i>For Class 52 Rating, Deduct</i>	-285.29	
			<i>For Class 54 Rating, Add</i>	194.52	
			<i>For Class 55 Rating, Add</i>	432.35	
40 05 19 00-3323	EA		16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,200.14	311.50
			<i>For Class 52 Rating, Deduct</i>	-300.10	
			<i>For Class 54 Rating, Add</i>	204.61	
			<i>For Class 55 Rating, Add</i>	454.79	
40 05 19 00-3324	EA		16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,337.03	313.02
			<i>For Class 52 Rating, Deduct</i>	-314.90	
			<i>For Class 54 Rating, Add</i>	214.71	
			<i>For Class 55 Rating, Add</i>	477.22	
40 05 19 00-3325	EA		16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,473.93	314.53
			<i>For Class 52 Rating, Deduct</i>	-329.71	
			<i>For Class 54 Rating, Add</i>	224.80	
			<i>For Class 55 Rating, Add</i>	499.66	
40 05 19 00-3326	EA		16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,610.81	316.04
			<i>For Class 52 Rating, Deduct</i>	-344.52	
			<i>For Class 54 Rating, Add</i>	234.90	
			<i>For Class 55 Rating, Add</i>	522.10	
40 05 19 00-3327	EA		16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,747.70	317.56
			<i>For Class 52 Rating, Deduct</i>	-359.32	
			<i>For Class 54 Rating, Add</i>	244.99	
			<i>For Class 55 Rating, Add</i>	544.54	
40 05 19 00-3328	EA		16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,884.59	319.06
			<i>For Class 52 Rating, Deduct</i>	-374.13	
			<i>For Class 54 Rating, Add</i>	255.09	
			<i>For Class 55 Rating, Add</i>	566.97	
40 05 19 00-3329	EA		16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,021.47	320.58
			<i>For Class 52 Rating, Deduct</i>	-388.93	
			<i>For Class 54 Rating, Add</i>	265.18	
			<i>For Class 55 Rating, Add</i>	589.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3330 EA 16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,158.36	322.09
<i>For Class 52 Rating, Deduct</i>	-403.74	
<i>For Class 54 Rating, Add</i>	275.28	
<i>For Class 55 Rating, Add</i>	611.85	
40 05 19 00-3331 EA 16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,295.26	323.60
<i>For Class 52 Rating, Deduct</i>	-418.54	
<i>For Class 54 Rating, Add</i>	285.37	
<i>For Class 55 Rating, Add</i>	634.29	
40 05 19 00-3332 EA 16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,432.14	325.12
<i>For Class 52 Rating, Deduct</i>	-433.35	
<i>For Class 54 Rating, Add</i>	295.47	
<i>For Class 55 Rating, Add</i>	656.72	
40 05 19 00-3333 EA 16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,569.03	326.63
<i>For Class 52 Rating, Deduct</i>	-448.16	
<i>For Class 54 Rating, Add</i>	305.56	
<i>For Class 55 Rating, Add</i>	679.16	
40 05 19 00-3334 EA 16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,705.92	328.14
<i>For Class 52 Rating, Deduct</i>	-462.96	
<i>For Class 54 Rating, Add</i>	315.66	
<i>For Class 55 Rating, Add</i>	701.60	
40 05 19 00-3335 EA 16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,842.81	329.65
<i>For Class 52 Rating, Deduct</i>	-477.77	
<i>For Class 54 Rating, Add</i>	325.75	
<i>For Class 55 Rating, Add</i>	724.03	
40 05 19 00-3336 EA 16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,979.69	331.16
<i>For Class 52 Rating, Deduct</i>	-492.57	
<i>For Class 54 Rating, Add</i>	335.84	
<i>For Class 55 Rating, Add</i>	746.47	
40 05 19 00-3337 EA 16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,116.59	332.67
<i>For Class 52 Rating, Deduct</i>	-507.38	
<i>For Class 54 Rating, Add</i>	345.94	
<i>For Class 55 Rating, Add</i>	768.91	
40 05 19 00-3338 EA 16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,253.48	334.19
<i>For Class 52 Rating, Deduct</i>	-522.18	
<i>For Class 54 Rating, Add</i>	356.03	
<i>For Class 55 Rating, Add</i>	791.35	
40 05 19 00-3339 EA 16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,390.35	335.70
<i>For Class 52 Rating, Deduct</i>	-536.99	
<i>For Class 54 Rating, Add</i>	366.13	
<i>For Class 55 Rating, Add</i>	813.78	
40 05 19 00-3340 EA 16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,527.24	337.22
<i>For Class 52 Rating, Deduct</i>	-551.80	
<i>For Class 54 Rating, Add</i>	376.22	
<i>For Class 55 Rating, Add</i>	836.22	
40 05 19 00-3341 EA 16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,664.13	338.73
<i>For Class 52 Rating, Deduct</i>	-566.60	
<i>For Class 54 Rating, Add</i>	386.32	
<i>For Class 55 Rating, Add</i>	858.66	
40 05 19 00-3342 EA 16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,801.02	340.23
<i>For Class 52 Rating, Deduct</i>	-581.41	
<i>For Class 54 Rating, Add</i>	396.41	
<i>For Class 55 Rating, Add</i>	881.09	
40 05 19 00-3343 EA 16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,937.91	341.75
<i>For Class 52 Rating, Deduct</i>	-596.21	
<i>For Class 54 Rating, Add</i>	406.51	
<i>For Class 55 Rating, Add</i>	903.53	
40 05 19 00-3344 EA 16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,074.80	343.26
<i>For Class 52 Rating, Deduct</i>	-611.02	
<i>For Class 54 Rating, Add</i>	416.60	
<i>For Class 55 Rating, Add</i>	925.97	
40 05 19 00-3345 EA 16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,211.68	344.77
<i>For Class 52 Rating, Deduct</i>	-625.82	
<i>For Class 54 Rating, Add</i>	426.70	
<i>For Class 55 Rating, Add</i>	948.41	
40 05 19 00-3346 EA 16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,348.57	346.29
<i>For Class 52 Rating, Deduct</i>	-640.63	
<i>For Class 54 Rating, Add</i>	436.79	
<i>For Class 55 Rating, Add</i>	970.84	



## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3347			18" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3348	EA		18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,484.58	327.24
			For Class 52 Rating, Deduct	-108.76	
			For Class 54 Rating, Add	74.16	
			For Class 55 Rating, Add	164.83	
40 05 19 00-3349	EA		18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,642.17	328.75
			For Class 52 Rating, Deduct	-125.85	
			For Class 54 Rating, Add	85.81	
			For Class 55 Rating, Add	190.72	
40 05 19 00-3350	EA		18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,799.77	330.25
			For Class 52 Rating, Deduct	-142.93	
			For Class 54 Rating, Add	97.45	
			For Class 55 Rating, Add	216.61	
40 05 19 00-3351	EA		18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,957.36	331.77
			For Class 52 Rating, Deduct	-160.01	
			For Class 54 Rating, Add	109.10	
			For Class 55 Rating, Add	242.50	
40 05 19 00-3352	EA		18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,114.95	333.28
			For Class 52 Rating, Deduct	-177.10	
			For Class 54 Rating, Add	120.75	
			For Class 55 Rating, Add	268.38	
40 05 19 00-3353	EA		18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,272.56	334.79
			For Class 52 Rating, Deduct	-194.18	
			For Class 54 Rating, Add	132.40	
			For Class 55 Rating, Add	294.27	
40 05 19 00-3354	EA		18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,430.14	336.30
			For Class 52 Rating, Deduct	-211.26	
			For Class 54 Rating, Add	144.04	
			For Class 55 Rating, Add	320.16	
40 05 19 00-3355	EA		18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,587.74	337.82
			For Class 52 Rating, Deduct	-228.35	
			For Class 54 Rating, Add	155.69	
			For Class 55 Rating, Add	346.05	
40 05 19 00-3356	EA		18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,745.33	339.34
			For Class 52 Rating, Deduct	-245.43	
			For Class 54 Rating, Add	167.34	
			For Class 55 Rating, Add	371.94	
40 05 19 00-3357	EA		18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,902.92	340.83
			For Class 52 Rating, Deduct	-262.52	
			For Class 54 Rating, Add	178.99	
			For Class 55 Rating, Add	397.83	
40 05 19 00-3358	EA		18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,060.52	342.35
			For Class 52 Rating, Deduct	-279.60	
			For Class 54 Rating, Add	190.64	
			For Class 55 Rating, Add	423.72	
40 05 19 00-3359	EA		18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,218.12	343.86
			For Class 52 Rating, Deduct	-296.68	
			For Class 54 Rating, Add	202.28	
			For Class 55 Rating, Add	449.61	
40 05 19 00-3360	EA		18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,375.72	345.37
			For Class 52 Rating, Deduct	-313.77	
			For Class 54 Rating, Add	213.93	
			For Class 55 Rating, Add	475.50	
40 05 19 00-3361	EA		18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,533.31	346.89
			For Class 52 Rating, Deduct	-330.85	
			For Class 54 Rating, Add	225.58	
			For Class 55 Rating, Add	501.39	
40 05 19 00-3362	EA		18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,690.90	348.40
			For Class 52 Rating, Deduct	-347.93	
			For Class 54 Rating, Add	237.23	
			For Class 55 Rating, Add	527.28	
40 05 19 00-3363	EA		18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,848.50	349.92
			For Class 52 Rating, Deduct	-365.02	
			For Class 54 Rating, Add	248.87	
			For Class 55 Rating, Add	553.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3364 EA 18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,006.10	351.42
<i>For Class 52 Rating, Deduct</i>	-382.10	
<i>For Class 54 Rating, Add</i>	260.52	
<i>For Class 55 Rating, Add</i>	579.05	
40 05 19 00-3365 EA 18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,163.70	352.93
<i>For Class 52 Rating, Deduct</i>	-399.18	
<i>For Class 54 Rating, Add</i>	272.17	
<i>For Class 55 Rating, Add</i>	604.94	
40 05 19 00-3366 EA 18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,321.29	354.45
<i>For Class 52 Rating, Deduct</i>	-416.27	
<i>For Class 54 Rating, Add</i>	283.82	
<i>For Class 55 Rating, Add</i>	630.83	
40 05 19 00-3367 EA 18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,478.88	355.96
<i>For Class 52 Rating, Deduct</i>	-433.35	
<i>For Class 54 Rating, Add</i>	295.47	
<i>For Class 55 Rating, Add</i>	656.72	
40 05 19 00-3368 EA 18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,636.48	357.47
<i>For Class 52 Rating, Deduct</i>	-450.43	
<i>For Class 54 Rating, Add</i>	307.11	
<i>For Class 55 Rating, Add</i>	682.61	
40 05 19 00-3369 EA 18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,794.07	358.99
<i>For Class 52 Rating, Deduct</i>	-467.52	
<i>For Class 54 Rating, Add</i>	318.76	
<i>For Class 55 Rating, Add</i>	708.50	
40 05 19 00-3370 EA 18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,951.67	360.50
<i>For Class 52 Rating, Deduct</i>	-484.60	
<i>For Class 54 Rating, Add</i>	330.41	
<i>For Class 55 Rating, Add</i>	734.39	
40 05 19 00-3371 EA 18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,109.26	362.00
<i>For Class 52 Rating, Deduct</i>	-501.68	
<i>For Class 54 Rating, Add</i>	342.06	
<i>For Class 55 Rating, Add</i>	760.28	
40 05 19 00-3372 EA 18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,266.85	363.52
<i>For Class 52 Rating, Deduct</i>	-518.77	
<i>For Class 54 Rating, Add</i>	353.70	
<i>For Class 55 Rating, Add</i>	786.17	
40 05 19 00-3373 EA 18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,424.45	365.03
<i>For Class 52 Rating, Deduct</i>	-535.85	
<i>For Class 54 Rating, Add</i>	365.35	
<i>For Class 55 Rating, Add</i>	812.06	
40 05 19 00-3374 EA 18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,582.04	366.55
<i>For Class 52 Rating, Deduct</i>	-552.93	
<i>For Class 54 Rating, Add</i>	377.00	
<i>For Class 55 Rating, Add</i>	837.95	
40 05 19 00-3375 EA 18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,739.64	368.06
<i>For Class 52 Rating, Deduct</i>	-570.02	
<i>For Class 54 Rating, Add</i>	388.65	
<i>For Class 55 Rating, Add</i>	863.84	
40 05 19 00-3376 EA 18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,897.24	369.57
<i>For Class 52 Rating, Deduct</i>	-587.10	
<i>For Class 54 Rating, Add</i>	400.30	
<i>For Class 55 Rating, Add</i>	889.72	
40 05 19 00-3377 EA 18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,054.83	371.09
<i>For Class 52 Rating, Deduct</i>	-604.18	
<i>For Class 54 Rating, Add</i>	411.94	
<i>For Class 55 Rating, Add</i>	915.61	
40 05 19 00-3378 EA 18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,212.43	372.59
<i>For Class 52 Rating, Deduct</i>	-621.27	
<i>For Class 54 Rating, Add</i>	423.59	
<i>For Class 55 Rating, Add</i>	941.50	
40 05 19 00-3379 EA 18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,370.02	374.10
<i>For Class 52 Rating, Deduct</i>	-638.35	
<i>For Class 54 Rating, Add</i>	435.24	
<i>For Class 55 Rating, Add</i>	967.39	
40 05 19 00-3380 EA 18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,527.62	375.62
<i>For Class 52 Rating, Deduct</i>	-655.44	
<i>For Class 54 Rating, Add</i>	446.89	
<i>For Class 55 Rating, Add</i>	993.28	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3381	EA		18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,685.22	377.13
			<i>For Class 52 Rating, Deduct</i>	-672.52	
			<i>For Class 54 Rating, Add</i>	458.54	
			<i>For Class 55 Rating, Add</i>	1,019.17	
40 05 19 00-3382	EA		18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,842.81	378.64
			<i>For Class 52 Rating, Deduct</i>	-689.60	
			<i>For Class 54 Rating, Add</i>	470.18	
			<i>For Class 55 Rating, Add</i>	1,045.06	
40 05 19 00-3383	EA		18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,000.41	380.16
			<i>For Class 52 Rating, Deduct</i>	-706.69	
			<i>For Class 54 Rating, Add</i>	481.83	
			<i>For Class 55 Rating, Add</i>	1,070.95	
40 05 19 00-3384	EA		18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,158.00	381.67
			<i>For Class 52 Rating, Deduct</i>	-723.77	
			<i>For Class 54 Rating, Add</i>	493.48	
			<i>For Class 55 Rating, Add</i>	1,096.84	
40 05 19 00-3385	EA		18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,315.60	383.17
			<i>For Class 52 Rating, Deduct</i>	-740.85	
			<i>For Class 54 Rating, Add</i>	505.13	
			<i>For Class 55 Rating, Add</i>	1,122.73	
<b>40 05 19 00-3386</b>			<b>20" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-3068)</small>		
40 05 19 00-3387	EA		20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,725.51	373.50
			<i>For Class 52 Rating, Deduct</i>	-127.56	
			<i>For Class 54 Rating, Add</i>	86.97	
			<i>For Class 55 Rating, Add</i>	193.31	
40 05 19 00-3388	EA		20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,904.86	375.02
			<i>For Class 52 Rating, Deduct</i>	-147.03	
			<i>For Class 54 Rating, Add</i>	100.25	
			<i>For Class 55 Rating, Add</i>	222.82	
40 05 19 00-3389	EA		20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,084.20	376.52
			<i>For Class 52 Rating, Deduct</i>	-166.51	
			<i>For Class 54 Rating, Add</i>	113.53	
			<i>For Class 55 Rating, Add</i>	252.33	
40 05 19 00-3390	EA		20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,263.53	378.04
			<i>For Class 52 Rating, Deduct</i>	-185.98	
			<i>For Class 54 Rating, Add</i>	126.81	
			<i>For Class 55 Rating, Add</i>	281.85	
40 05 19 00-3391	EA		20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,442.87	379.56
			<i>For Class 52 Rating, Deduct</i>	-205.46	
			<i>For Class 54 Rating, Add</i>	140.08	
			<i>For Class 55 Rating, Add</i>	311.36	
40 05 19 00-3392	EA		20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,622.21	381.06
			<i>For Class 52 Rating, Deduct</i>	-224.93	
			<i>For Class 54 Rating, Add</i>	153.36	
			<i>For Class 55 Rating, Add</i>	340.87	
40 05 19 00-3393	EA		20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,801.54	382.57
			<i>For Class 52 Rating, Deduct</i>	-244.41	
			<i>For Class 54 Rating, Add</i>	166.64	
			<i>For Class 55 Rating, Add</i>	370.39	
40 05 19 00-3394	EA		20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,980.88	384.08
			<i>For Class 52 Rating, Deduct</i>	-263.88	
			<i>For Class 54 Rating, Add</i>	179.92	
			<i>For Class 55 Rating, Add</i>	399.90	
40 05 19 00-3395	EA		20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,160.22	385.60
			<i>For Class 52 Rating, Deduct</i>	-283.36	
			<i>For Class 54 Rating, Add</i>	193.20	
			<i>For Class 55 Rating, Add</i>	429.42	
40 05 19 00-3396	EA		20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,339.55	387.11
			<i>For Class 52 Rating, Deduct</i>	-302.83	
			<i>For Class 54 Rating, Add</i>	206.48	
			<i>For Class 55 Rating, Add</i>	458.93	
40 05 19 00-3397	EA		20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,518.89	388.62
			<i>For Class 52 Rating, Deduct</i>	-322.31	
			<i>For Class 54 Rating, Add</i>	219.76	
			<i>For Class 55 Rating, Add</i>	488.44	



<b>Process Interconnections</b>	<b>40</b>
<b>Common Work Results For Process Interconnections</b>	
40 05	<b>40</b>
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3398 EA 20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,698.23	390.14
<i>For Class 52 Rating, Deduct</i>	-341.78	
<i>For Class 54 Rating, Add</i>	233.03	
<i>For Class 55 Rating, Add</i>	517.96	
40 05 19 00-3399 EA 20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,877.56	391.65
<i>For Class 52 Rating, Deduct</i>	-361.26	
<i>For Class 54 Rating, Add</i>	246.31	
<i>For Class 55 Rating, Add</i>	547.47	
40 05 19 00-3400 EA 20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,056.91	393.16
<i>For Class 52 Rating, Deduct</i>	-380.73	
<i>For Class 54 Rating, Add</i>	259.59	
<i>For Class 55 Rating, Add</i>	576.98	
40 05 19 00-3401 EA 20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,236.25	394.67
<i>For Class 52 Rating, Deduct</i>	-400.21	
<i>For Class 54 Rating, Add</i>	272.87	
<i>For Class 55 Rating, Add</i>	606.50	
40 05 19 00-3402 EA 20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,415.58	396.18
<i>For Class 52 Rating, Deduct</i>	-419.68	
<i>For Class 54 Rating, Add</i>	286.15	
<i>For Class 55 Rating, Add</i>	636.01	
40 05 19 00-3403 EA 20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,594.92	397.69
<i>For Class 52 Rating, Deduct</i>	-439.16	
<i>For Class 54 Rating, Add</i>	299.43	
<i>For Class 55 Rating, Add</i>	665.52	
40 05 19 00-3404 EA 20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,774.25	399.21
<i>For Class 52 Rating, Deduct</i>	-458.63	
<i>For Class 54 Rating, Add</i>	312.70	
<i>For Class 55 Rating, Add</i>	695.04	
40 05 19 00-3405 EA 20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,953.60	400.72
<i>For Class 52 Rating, Deduct</i>	-478.11	
<i>For Class 54 Rating, Add</i>	325.98	
<i>For Class 55 Rating, Add</i>	724.55	
40 05 19 00-3406 EA 20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,132.94	402.24
<i>For Class 52 Rating, Deduct</i>	-497.58	
<i>For Class 54 Rating, Add</i>	339.26	
<i>For Class 55 Rating, Add</i>	754.07	
40 05 19 00-3407 EA 20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,312.27	403.75
<i>For Class 52 Rating, Deduct</i>	-517.06	
<i>For Class 54 Rating, Add</i>	352.54	
<i>For Class 55 Rating, Add</i>	783.58	
40 05 19 00-3408 EA 20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,491.61	405.25
<i>For Class 52 Rating, Deduct</i>	-536.53	
<i>For Class 54 Rating, Add</i>	365.82	
<i>For Class 55 Rating, Add</i>	813.09	
40 05 19 00-3409 EA 20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,670.95	406.77
<i>For Class 52 Rating, Deduct</i>	-556.01	
<i>For Class 54 Rating, Add</i>	379.10	
<i>For Class 55 Rating, Add</i>	842.61	
40 05 19 00-3410 EA 20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,850.28	408.28
<i>For Class 52 Rating, Deduct</i>	-575.48	
<i>For Class 54 Rating, Add</i>	392.38	
<i>For Class 55 Rating, Add</i>	872.12	
40 05 19 00-3411 EA 20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,029.62	409.79
<i>For Class 52 Rating, Deduct</i>	-594.96	
<i>For Class 54 Rating, Add</i>	405.65	
<i>For Class 55 Rating, Add</i>	901.63	
40 05 19 00-3412 EA 20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,208.96	411.31
<i>For Class 52 Rating, Deduct</i>	-614.43	
<i>For Class 54 Rating, Add</i>	418.93	
<i>For Class 55 Rating, Add</i>	931.15	
40 05 19 00-3413 EA 20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,388.29	412.82
<i>For Class 52 Rating, Deduct</i>	-633.91	
<i>For Class 54 Rating, Add</i>	432.21	
<i>For Class 55 Rating, Add</i>	960.66	
40 05 19 00-3414 EA 20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,567.63	414.33
<i>For Class 52 Rating, Deduct</i>	-653.38	
<i>For Class 54 Rating, Add</i>	445.49	
<i>For Class 55 Rating, Add</i>	990.17	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3415	EA		20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,746.97	415.84
			<i>For Class 52 Rating, Deduct</i>	-672.86	
			<i>For Class 54 Rating, Add</i>	458.77	
			<i>For Class 55 Rating, Add</i>	1,019.69	
40 05 19 00-3416	EA		20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,926.30	417.35
			<i>For Class 52 Rating, Deduct</i>	-692.33	
			<i>For Class 54 Rating, Add</i>	472.05	
			<i>For Class 55 Rating, Add</i>	1,049.20	
40 05 19 00-3417	EA		20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,105.65	418.86
			<i>For Class 52 Rating, Deduct</i>	-711.81	
			<i>For Class 54 Rating, Add</i>	485.33	
			<i>For Class 55 Rating, Add</i>	1,078.72	
40 05 19 00-3418	EA		20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,284.99	420.38
			<i>For Class 52 Rating, Deduct</i>	-731.29	
			<i>For Class 54 Rating, Add</i>	498.60	
			<i>For Class 55 Rating, Add</i>	1,108.23	
40 05 19 00-3419	EA		20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,464.32	421.89
			<i>For Class 52 Rating, Deduct</i>	-750.76	
			<i>For Class 54 Rating, Add</i>	511.88	
			<i>For Class 55 Rating, Add</i>	1,137.74	
40 05 19 00-3420	EA		20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,643.66	423.41
			<i>For Class 52 Rating, Deduct</i>	-770.24	
			<i>For Class 54 Rating, Add</i>	525.16	
			<i>For Class 55 Rating, Add</i>	1,167.26	
40 05 19 00-3421	EA		20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,823.00	424.92
			<i>For Class 52 Rating, Deduct</i>	-789.71	
			<i>For Class 54 Rating, Add</i>	538.44	
			<i>For Class 55 Rating, Add</i>	1,196.77	
40 05 19 00-3422	EA		20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,002.34	426.42
			<i>For Class 52 Rating, Deduct</i>	-809.19	
			<i>For Class 54 Rating, Add</i>	551.72	
			<i>For Class 55 Rating, Add</i>	1,226.28	
40 05 19 00-3423	EA		20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,181.68	427.94
			<i>For Class 52 Rating, Deduct</i>	-828.66	
			<i>For Class 54 Rating, Add</i>	565.00	
			<i>For Class 55 Rating, Add</i>	1,255.80	
40 05 19 00-3424	EA		20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,361.02	429.45
			<i>For Class 52 Rating, Deduct</i>	-848.14	
			<i>For Class 54 Rating, Add</i>	578.27	
			<i>For Class 55 Rating, Add</i>	1,285.31	
40 05 19 00-3425			<b>24" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-3068)</small>		
40 05 19 00-3426	EA		24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,116.44	441.55
			<i>For Class 52 Rating, Deduct</i>	-159.22	
			<i>For Class 54 Rating, Add</i>	108.56	
			<i>For Class 55 Rating, Add</i>	241.29	
40 05 19 00-3427	EA		24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,338.23	443.06
			<i>For Class 52 Rating, Deduct</i>	-183.36	
			<i>For Class 54 Rating, Add</i>	125.02	
			<i>For Class 55 Rating, Add</i>	277.88	
40 05 19 00-3428	EA		24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,560.03	444.58
			<i>For Class 52 Rating, Deduct</i>	-207.51	
			<i>For Class 54 Rating, Add</i>	141.48	
			<i>For Class 55 Rating, Add</i>	314.47	
40 05 19 00-3429	EA		24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,781.81	446.09
			<i>For Class 52 Rating, Deduct</i>	-231.65	
			<i>For Class 54 Rating, Add</i>	157.94	
			<i>For Class 55 Rating, Add</i>	351.06	
40 05 19 00-3430	EA		24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,003.60	447.59
			<i>For Class 52 Rating, Deduct</i>	-255.80	
			<i>For Class 54 Rating, Add</i>	174.41	
			<i>For Class 55 Rating, Add</i>	387.65	
40 05 19 00-3431	EA		24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,225.38	449.11
			<i>For Class 52 Rating, Deduct</i>	-279.94	
			<i>For Class 54 Rating, Add</i>	190.87	
			<i>For Class 55 Rating, Add</i>	424.24	



<b>Process Interconnections</b>	<b>40</b>
<b>Common Work Results For Process Interconnections</b>	
<b>40 05</b>	<b>40</b>
<b>Ductile Iron Process Pipe 40 05 19</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3432 EA 24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,447.17	450.62
<i>For Class 52 Rating, Deduct</i>	-304.09	
<i>For Class 54 Rating, Add</i>	207.33	
<i>For Class 55 Rating, Add</i>	460.83	
40 05 19 00-3433 EA 24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,668.97	452.13
<i>For Class 52 Rating, Deduct</i>	-328.23	
<i>For Class 54 Rating, Add</i>	223.79	
<i>For Class 55 Rating, Add</i>	497.42	
40 05 19 00-3434 EA 24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,890.75	453.65
<i>For Class 52 Rating, Deduct</i>	-352.37	
<i>For Class 54 Rating, Add</i>	240.26	
<i>For Class 55 Rating, Add</i>	534.01	
40 05 19 00-3435 EA 24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,112.54	455.16
<i>For Class 52 Rating, Deduct</i>	-376.52	
<i>For Class 54 Rating, Add</i>	256.72	
<i>For Class 55 Rating, Add</i>	570.60	
40 05 19 00-3436 EA 24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,334.33	456.67
<i>For Class 52 Rating, Deduct</i>	-400.66	
<i>For Class 54 Rating, Add</i>	273.18	
<i>For Class 55 Rating, Add</i>	607.19	
40 05 19 00-3437 EA 24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,556.11	458.18
<i>For Class 52 Rating, Deduct</i>	-424.81	
<i>For Class 54 Rating, Add</i>	289.64	
<i>For Class 55 Rating, Add</i>	643.78	
40 05 19 00-3438 EA 24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,777.89	459.69
<i>For Class 52 Rating, Deduct</i>	-448.95	
<i>For Class 54 Rating, Add</i>	306.10	
<i>For Class 55 Rating, Add</i>	680.37	
40 05 19 00-3439 EA 24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,999.69	461.21
<i>For Class 52 Rating, Deduct</i>	-473.10	
<i>For Class 54 Rating, Add</i>	322.57	
<i>For Class 55 Rating, Add</i>	716.96	
40 05 19 00-3440 EA 24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,221.47	462.72
<i>For Class 52 Rating, Deduct</i>	-497.24	
<i>For Class 54 Rating, Add</i>	339.03	
<i>For Class 55 Rating, Add</i>	753.55	
40 05 19 00-3441 EA 24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,443.26	464.23
<i>For Class 52 Rating, Deduct</i>	-521.39	
<i>For Class 54 Rating, Add</i>	355.49	
<i>For Class 55 Rating, Add</i>	790.14	
40 05 19 00-3442 EA 24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,665.04	465.75
<i>For Class 52 Rating, Deduct</i>	-545.53	
<i>For Class 54 Rating, Add</i>	371.95	
<i>For Class 55 Rating, Add</i>	826.73	
40 05 19 00-3443 EA 24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,886.83	467.26
<i>For Class 52 Rating, Deduct</i>	-569.68	
<i>For Class 54 Rating, Add</i>	388.42	
<i>For Class 55 Rating, Add</i>	863.32	
40 05 19 00-3444 EA 24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,108.62	468.77
<i>For Class 52 Rating, Deduct</i>	-593.82	
<i>For Class 54 Rating, Add</i>	404.88	
<i>For Class 55 Rating, Add</i>	899.91	
40 05 19 00-3445 EA 24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,330.41	470.28
<i>For Class 52 Rating, Deduct</i>	-617.96	
<i>For Class 54 Rating, Add</i>	421.34	
<i>For Class 55 Rating, Add</i>	936.50	
40 05 19 00-3446 EA 24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,552.20	471.79
<i>For Class 52 Rating, Deduct</i>	-642.11	
<i>For Class 54 Rating, Add</i>	437.80	
<i>For Class 55 Rating, Add</i>	973.09	
40 05 19 00-3447 EA 24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,773.99	473.30
<i>For Class 52 Rating, Deduct</i>	-666.25	
<i>For Class 54 Rating, Add</i>	454.26	
<i>For Class 55 Rating, Add</i>	1,009.68	
40 05 19 00-3448 EA 24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,995.77	474.82
<i>For Class 52 Rating, Deduct</i>	-690.40	
<i>For Class 54 Rating, Add</i>	470.73	
<i>For Class 55 Rating, Add</i>	1,046.27	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3449	EA		24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,217.56	476.33
			<i>For Class 52 Rating, Deduct</i>	-714.54	
			<i>For Class 54 Rating, Add</i>	487.19	
			<i>For Class 55 Rating, Add</i>	1,082.86	
40 05 19 00-3450	EA		24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,439.34	477.85
			<i>For Class 52 Rating, Deduct</i>	-738.69	
			<i>For Class 54 Rating, Add</i>	503.65	
			<i>For Class 55 Rating, Add</i>	1,119.45	
40 05 19 00-3451	EA		24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,661.14	479.36
			<i>For Class 52 Rating, Deduct</i>	-762.83	
			<i>For Class 54 Rating, Add</i>	520.11	
			<i>For Class 55 Rating, Add</i>	1,156.04	
40 05 19 00-3452	EA		24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,882.93	480.86
			<i>For Class 52 Rating, Deduct</i>	-786.98	
			<i>For Class 54 Rating, Add</i>	536.58	
			<i>For Class 55 Rating, Add</i>	1,192.63	
40 05 19 00-3453	EA		24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,104.71	482.38
			<i>For Class 52 Rating, Deduct</i>	-811.12	
			<i>For Class 54 Rating, Add</i>	553.04	
			<i>For Class 55 Rating, Add</i>	1,229.22	
40 05 19 00-3454	EA		24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,326.49	483.89
			<i>For Class 52 Rating, Deduct</i>	-835.27	
			<i>For Class 54 Rating, Add</i>	569.50	
			<i>For Class 55 Rating, Add</i>	1,265.81	
40 05 19 00-3455	EA		24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,587.23	511.11
			<i>For Class 52 Rating, Deduct</i>	-859.41	
			<i>For Class 54 Rating, Add</i>	585.96	
			<i>For Class 55 Rating, Add</i>	1,302.40	
40 05 19 00-3456	EA		24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,809.02	512.62
			<i>For Class 52 Rating, Deduct</i>	-883.56	
			<i>For Class 54 Rating, Add</i>	602.42	
			<i>For Class 55 Rating, Add</i>	1,338.99	
40 05 19 00-3457	EA		24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,030.81	514.13
			<i>For Class 52 Rating, Deduct</i>	-907.70	
			<i>For Class 54 Rating, Add</i>	618.89	
			<i>For Class 55 Rating, Add</i>	1,375.58	
40 05 19 00-3458	EA		24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,252.60	515.65
			<i>For Class 52 Rating, Deduct</i>	-931.85	
			<i>For Class 54 Rating, Add</i>	635.35	
			<i>For Class 55 Rating, Add</i>	1,412.17	
40 05 19 00-3459	EA		24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,474.38	517.16
			<i>For Class 52 Rating, Deduct</i>	-955.99	
			<i>For Class 54 Rating, Add</i>	651.81	
			<i>For Class 55 Rating, Add</i>	1,448.76	
40 05 19 00-3460	EA		24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,731.53	518.67
			<i>For Class 52 Rating, Deduct</i>	-1,094.02	
			<i>For Class 54 Rating, Add</i>	745.93	
			<i>For Class 55 Rating, Add</i>	1,657.94	
40 05 19 00-3461	EA		24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,917.95	520.19
			<i>For Class 52 Rating, Deduct</i>	-1,004.28	
			<i>For Class 54 Rating, Add</i>	684.74	
			<i>For Class 55 Rating, Add</i>	1,521.94	
40 05 19 00-3462	EA		24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,139.75	521.70
			<i>For Class 52 Rating, Deduct</i>	-1,028.42	
			<i>For Class 54 Rating, Add</i>	701.20	
			<i>For Class 55 Rating, Add</i>	1,558.53	
40 05 19 00-3463	EA		24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,361.54	523.20
			<i>For Class 52 Rating, Deduct</i>	-1,052.57	
			<i>For Class 54 Rating, Add</i>	717.66	
			<i>For Class 55 Rating, Add</i>	1,595.12	
40 05 19 00-3464			<b>30" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-3068)</small>		
40 05 19 00-3465	EA		30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,526.14	623.01
			<i>For Class 52 Rating, Deduct</i>	-284.04	
			<i>For Class 54 Rating, Add</i>	193.66	
			<i>For Class 55 Rating, Add</i>	430.45	



<b>Process Interconnections</b>	<b>40</b>
<b>Common Work Results For Process Interconnections</b>	
40 05	<b>40</b>
Ductile Iron Process Pipe 40 05 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3466 EA 30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,843.19	624.52
<i>For Class 52 Rating, Deduct</i>	-318.66	
<i>For Class 54 Rating, Add</i>	217.27	
<i>For Class 55 Rating, Add</i>	482.92	
40 05 19 00-3467 EA 30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,160.23	626.03
<i>For Class 52 Rating, Deduct</i>	-353.29	
<i>For Class 54 Rating, Add</i>	240.88	
<i>For Class 55 Rating, Add</i>	535.39	
40 05 19 00-3468 EA 30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,477.27	627.55
<i>For Class 52 Rating, Deduct</i>	-387.91	
<i>For Class 54 Rating, Add</i>	264.48	
<i>For Class 55 Rating, Add</i>	587.86	
40 05 19 00-3469 EA 30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,794.31	629.06
<i>For Class 52 Rating, Deduct</i>	-422.53	
<i>For Class 54 Rating, Add</i>	288.09	
<i>For Class 55 Rating, Add</i>	640.33	
40 05 19 00-3470 EA 30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,111.35	630.57
<i>For Class 52 Rating, Deduct</i>	-457.15	
<i>For Class 54 Rating, Add</i>	311.70	
<i>For Class 55 Rating, Add</i>	692.80	
40 05 19 00-3471 EA 30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,428.37	632.08
<i>For Class 52 Rating, Deduct</i>	-491.77	
<i>For Class 54 Rating, Add</i>	335.30	
<i>For Class 55 Rating, Add</i>	745.26	
40 05 19 00-3472 EA 30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,745.42	633.59
<i>For Class 52 Rating, Deduct</i>	-526.40	
<i>For Class 54 Rating, Add</i>	358.91	
<i>For Class 55 Rating, Add</i>	797.73	
40 05 19 00-3473 EA 30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,062.46	635.10
<i>For Class 52 Rating, Deduct</i>	-561.02	
<i>For Class 54 Rating, Add</i>	382.51	
<i>For Class 55 Rating, Add</i>	850.20	
40 05 19 00-3474 EA 30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,379.50	636.62
<i>For Class 52 Rating, Deduct</i>	-595.64	
<i>For Class 54 Rating, Add</i>	406.12	
<i>For Class 55 Rating, Add</i>	902.67	
40 05 19 00-3475 EA 30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,696.54	638.13
<i>For Class 52 Rating, Deduct</i>	-630.26	
<i>For Class 54 Rating, Add</i>	429.73	
<i>For Class 55 Rating, Add</i>	955.14	
40 05 19 00-3476 EA 30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,013.58	639.65
<i>For Class 52 Rating, Deduct</i>	-664.89	
<i>For Class 54 Rating, Add</i>	453.33	
<i>For Class 55 Rating, Add</i>	1,007.61	
40 05 19 00-3477 EA 30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,330.62	641.16
<i>For Class 52 Rating, Deduct</i>	-699.51	
<i>For Class 54 Rating, Add</i>	476.94	
<i>For Class 55 Rating, Add</i>	1,060.08	
40 05 19 00-3478 EA 30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,647.67	642.66
<i>For Class 52 Rating, Deduct</i>	-734.13	
<i>For Class 54 Rating, Add</i>	500.54	
<i>For Class 55 Rating, Add</i>	1,112.54	
40 05 19 00-3479 EA 30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,964.71	644.18
<i>For Class 52 Rating, Deduct</i>	-768.75	
<i>For Class 54 Rating, Add</i>	524.15	
<i>For Class 55 Rating, Add</i>	1,165.01	
40 05 19 00-3480 EA 30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,281.75	645.69
<i>For Class 52 Rating, Deduct</i>	-803.38	
<i>For Class 54 Rating, Add</i>	547.76	
<i>For Class 55 Rating, Add</i>	1,217.48	
40 05 19 00-3481 EA 30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,598.79	647.20
<i>For Class 52 Rating, Deduct</i>	-838.00	
<i>For Class 54 Rating, Add</i>	571.36	
<i>For Class 55 Rating, Add</i>	1,269.95	
40 05 19 00-3482 EA 30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,915.83	648.72
<i>For Class 52 Rating, Deduct</i>	-872.62	
<i>For Class 54 Rating, Add</i>	594.97	
<i>For Class 55 Rating, Add</i>	1,322.42	



## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3483	EA		30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,232.88	650.23
			<i>For Class 52 Rating, Deduct</i>	-907.24	
			<i>For Class 54 Rating, Add</i>	618.58	
			<i>For Class 55 Rating, Add</i>	1,374.89	
40 05 19 00-3484	EA		30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,549.92	651.74
			<i>For Class 52 Rating, Deduct</i>	-941.87	
			<i>For Class 54 Rating, Add</i>	642.18	
			<i>For Class 55 Rating, Add</i>	1,427.36	
40 05 19 00-3485	EA		30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,866.96	653.25
			<i>For Class 52 Rating, Deduct</i>	-976.49	
			<i>For Class 54 Rating, Add</i>	665.79	
			<i>For Class 55 Rating, Add</i>	1,479.83	
40 05 19 00-3486	EA		30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,184.00	654.76
			<i>For Class 52 Rating, Deduct</i>	-1,011.11	
			<i>For Class 54 Rating, Add</i>	689.39	
			<i>For Class 55 Rating, Add</i>	1,532.29	
40 05 19 00-3487	EA		30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,501.04	656.27
			<i>For Class 52 Rating, Deduct</i>	-1,045.73	
			<i>For Class 54 Rating, Add</i>	713.00	
			<i>For Class 55 Rating, Add</i>	1,584.76	
40 05 19 00-3488	EA		30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,818.06	657.79
			<i>For Class 52 Rating, Deduct</i>	-1,080.36	
			<i>For Class 54 Rating, Add</i>	736.61	
			<i>For Class 55 Rating, Add</i>	1,637.23	
40 05 19 00-3489	EA		30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,135.11	659.30
			<i>For Class 52 Rating, Deduct</i>	-1,114.98	
			<i>For Class 54 Rating, Add</i>	760.21	
			<i>For Class 55 Rating, Add</i>	1,689.70	
40 05 19 00-3490	EA		30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,452.15	660.82
			<i>For Class 52 Rating, Deduct</i>	-1,149.60	
			<i>For Class 54 Rating, Add</i>	783.82	
			<i>For Class 55 Rating, Add</i>	1,742.17	
40 05 19 00-3491	EA		30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,769.19	662.33
			<i>For Class 52 Rating, Deduct</i>	-1,184.22	
			<i>For Class 54 Rating, Add</i>	807.43	
			<i>For Class 55 Rating, Add</i>	1,794.64	
40 05 19 00-3492	EA		30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,086.23	663.83
			<i>For Class 52 Rating, Deduct</i>	-1,218.85	
			<i>For Class 54 Rating, Add</i>	831.03	
			<i>For Class 55 Rating, Add</i>	1,847.11	
40 05 19 00-3493	EA		30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,403.27	665.35
			<i>For Class 52 Rating, Deduct</i>	-1,253.47	
			<i>For Class 54 Rating, Add</i>	854.64	
			<i>For Class 55 Rating, Add</i>	1,899.57	
40 05 19 00-3494	EA		30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,720.31	666.86
			<i>For Class 52 Rating, Deduct</i>	-1,288.09	
			<i>For Class 54 Rating, Add</i>	878.24	
			<i>For Class 55 Rating, Add</i>	1,952.04	
40 05 19 00-3495	EA		30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,037.36	668.37
			<i>For Class 52 Rating, Deduct</i>	-1,322.71	
			<i>For Class 54 Rating, Add</i>	901.85	
			<i>For Class 55 Rating, Add</i>	2,004.51	
40 05 19 00-3496	EA		30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,354.40	669.89
			<i>For Class 52 Rating, Deduct</i>	-1,357.34	
			<i>For Class 54 Rating, Add</i>	925.46	
			<i>For Class 55 Rating, Add</i>	2,056.98	
40 05 19 00-3497	EA		30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,671.44	671.40
			<i>For Class 52 Rating, Deduct</i>	-1,391.96	
			<i>For Class 54 Rating, Add</i>	949.06	
			<i>For Class 55 Rating, Add</i>	2,109.45	
40 05 19 00-3498	EA		30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,988.48	672.91
			<i>For Class 52 Rating, Deduct</i>	-1,426.58	
			<i>For Class 54 Rating, Add</i>	972.67	
			<i>For Class 55 Rating, Add</i>	2,161.92	
40 05 19 00-3499	EA		30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,305.52	674.42
			<i>For Class 52 Rating, Deduct</i>	-1,461.20	
			<i>For Class 54 Rating, Add</i>	996.28	
			<i>For Class 55 Rating, Add</i>	2,214.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3500 36" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3068)</small>		
40 05 19 00-3501 EA 36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,411.81	789.35
For Class 52 Rating, Deduct	-353.74	
For Class 54 Rating, Add	241.19	
For Class 55 Rating, Add	536.08	
40 05 19 00-3502 EA 36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,836.53	790.86
For Class 52 Rating, Deduct	-400.21	
For Class 54 Rating, Add	272.87	
For Class 55 Rating, Add	606.50	
40 05 19 00-3503 EA 36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,261.24	792.36
For Class 52 Rating, Deduct	-446.67	
For Class 54 Rating, Add	304.55	
For Class 55 Rating, Add	676.92	
40 05 19 00-3504 EA 36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,685.96	793.88
For Class 52 Rating, Deduct	-493.14	
For Class 54 Rating, Add	336.23	
For Class 55 Rating, Add	747.33	
40 05 19 00-3505 EA 36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,110.68	795.39
For Class 52 Rating, Deduct	-539.61	
For Class 54 Rating, Add	367.92	
For Class 55 Rating, Add	817.75	
40 05 19 00-3506 EA 36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,535.40	796.90
For Class 52 Rating, Deduct	-586.08	
For Class 54 Rating, Add	399.60	
For Class 55 Rating, Add	888.17	
40 05 19 00-3507 EA 36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,960.12	798.42
For Class 52 Rating, Deduct	-632.54	
For Class 54 Rating, Add	431.28	
For Class 55 Rating, Add	958.59	
40 05 19 00-3508 EA 36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,384.84	799.93
For Class 52 Rating, Deduct	-679.01	
For Class 54 Rating, Add	462.96	
For Class 55 Rating, Add	1,029.01	
40 05 19 00-3509 EA 36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,809.55	801.45
For Class 52 Rating, Deduct	-725.48	
For Class 54 Rating, Add	494.64	
For Class 55 Rating, Add	1,099.43	
40 05 19 00-3510 EA 36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,234.27	802.96
For Class 52 Rating, Deduct	-771.94	
For Class 54 Rating, Add	526.33	
For Class 55 Rating, Add	1,169.85	
40 05 19 00-3511 EA 36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,658.99	804.46
For Class 52 Rating, Deduct	-818.41	
For Class 54 Rating, Add	558.01	
For Class 55 Rating, Add	1,240.26	
40 05 19 00-3512 EA 36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,083.70	805.98
For Class 52 Rating, Deduct	-864.88	
For Class 54 Rating, Add	589.69	
For Class 55 Rating, Add	1,310.68	
40 05 19 00-3513 EA 36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,508.42	807.49
For Class 52 Rating, Deduct	-911.34	
For Class 54 Rating, Add	621.37	
For Class 55 Rating, Add	1,381.10	
40 05 19 00-3514 EA 36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,933.14	809.00
For Class 52 Rating, Deduct	-957.81	
For Class 54 Rating, Add	653.05	
For Class 55 Rating, Add	1,451.52	
40 05 19 00-3515 EA 36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,357.85	810.52
For Class 52 Rating, Deduct	-1,004.28	
For Class 54 Rating, Add	684.74	
For Class 55 Rating, Add	1,521.94	
40 05 19 00-3516 EA 36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,782.57	812.03
For Class 52 Rating, Deduct	-1,050.75	
For Class 54 Rating, Add	716.42	
For Class 55 Rating, Add	1,592.36	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3517	EA		36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,207.29	813.54
			<i>For Class 52 Rating, Deduct</i>	-1,097.21	
			<i>For Class 54 Rating, Add</i>	748.10	
			<i>For Class 55 Rating, Add</i>	1,662.78	
40 05 19 00-3518	EA		36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,632.02	815.05
			<i>For Class 52 Rating, Deduct</i>	-1,143.68	
			<i>For Class 54 Rating, Add</i>	779.78	
			<i>For Class 55 Rating, Add</i>	1,733.19	
40 05 19 00-3519	EA		36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,056.73	816.56
			<i>For Class 52 Rating, Deduct</i>	-1,190.15	
			<i>For Class 54 Rating, Add</i>	811.46	
			<i>For Class 55 Rating, Add</i>	1,803.61	
40 05 19 00-3520	EA		36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,481.45	818.08
			<i>For Class 52 Rating, Deduct</i>	-1,236.61	
			<i>For Class 54 Rating, Add</i>	843.15	
			<i>For Class 55 Rating, Add</i>	1,874.03	
40 05 19 00-3521	EA		36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,906.17	819.59
			<i>For Class 52 Rating, Deduct</i>	-1,283.08	
			<i>For Class 54 Rating, Add</i>	874.83	
			<i>For Class 55 Rating, Add</i>	1,944.45	
40 05 19 00-3522	EA		36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,330.88	821.10
			<i>For Class 52 Rating, Deduct</i>	-1,329.55	
			<i>For Class 54 Rating, Add</i>	906.51	
			<i>For Class 55 Rating, Add</i>	2,014.87	
40 05 19 00-3523	EA		36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,755.61	822.62
			<i>For Class 52 Rating, Deduct</i>	-1,376.01	
			<i>For Class 54 Rating, Add</i>	938.19	
			<i>For Class 55 Rating, Add</i>	2,085.29	
40 05 19 00-3524	EA		36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,180.33	824.13
			<i>For Class 52 Rating, Deduct</i>	-1,422.48	
			<i>For Class 54 Rating, Add</i>	969.87	
			<i>For Class 55 Rating, Add</i>	2,155.71	
40 05 19 00-3525	EA		36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,605.04	825.63
			<i>For Class 52 Rating, Deduct</i>	-1,468.95	
			<i>For Class 54 Rating, Add</i>	1,001.56	
			<i>For Class 55 Rating, Add</i>	2,226.12	
40 05 19 00-3526	EA		36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,029.76	827.15
			<i>For Class 52 Rating, Deduct</i>	-1,515.42	
			<i>For Class 54 Rating, Add</i>	1,033.24	
			<i>For Class 55 Rating, Add</i>	2,296.54	
40 05 19 00-3527	EA		36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,454.48	828.66
			<i>For Class 52 Rating, Deduct</i>	-1,561.88	
			<i>For Class 54 Rating, Add</i>	1,064.92	
			<i>For Class 55 Rating, Add</i>	2,366.96	
40 05 19 00-3528	EA		36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,879.19	830.17
			<i>For Class 52 Rating, Deduct</i>	-1,608.35	
			<i>For Class 54 Rating, Add</i>	1,096.60	
			<i>For Class 55 Rating, Add</i>	2,437.38	
40 05 19 00-3529	EA		36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,303.91	831.69
			<i>For Class 52 Rating, Deduct</i>	-1,654.82	
			<i>For Class 54 Rating, Add</i>	1,128.28	
			<i>For Class 55 Rating, Add</i>	2,507.80	
40 05 19 00-3530	EA		36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,728.63	833.20
			<i>For Class 52 Rating, Deduct</i>	-1,701.28	
			<i>For Class 54 Rating, Add</i>	1,159.97	
			<i>For Class 55 Rating, Add</i>	2,578.22	
40 05 19 00-3531	EA		36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,153.34	834.71
			<i>For Class 52 Rating, Deduct</i>	-1,747.75	
			<i>For Class 54 Rating, Add</i>	1,191.65	
			<i>For Class 55 Rating, Add</i>	2,648.63	
40 05 19 00-3532	EA		36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,578.06	836.22
			<i>For Class 52 Rating, Deduct</i>	-1,794.22	
			<i>For Class 54 Rating, Add</i>	1,223.33	
			<i>For Class 55 Rating, Add</i>	2,719.05	
40 05 19 00-3533	EA		36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,002.78	837.73
			<i>For Class 52 Rating, Deduct</i>	-1,840.68	
			<i>For Class 54 Rating, Add</i>	1,255.01	
			<i>For Class 55 Rating, Add</i>	2,789.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3534 EA 36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,427.50	839.25
<i>For Class 52 Rating, Deduct</i>	-1,887.15	
<i>For Class 54 Rating, Add</i>	1,286.69	
<i>For Class 55 Rating, Add</i>	2,859.89	
40 05 19 00-3535 EA 36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,852.22	840.76
<i>For Class 52 Rating, Deduct</i>	-1,933.62	
<i>For Class 54 Rating, Add</i>	1,318.38	
<i>For Class 55 Rating, Add</i>	2,930.31	
<b>40 05 19 00-3536 42" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-3068)</small>		
40 05 19 00-3537 EA 42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,818.82	995.00
<i>For Class 52 Rating, Deduct</i>	-474.24	
<i>For Class 54 Rating, Add</i>	323.34	
<i>For Class 55 Rating, Add</i>	718.68	
40 05 19 00-3538 EA 42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,444.40	996.51
<i>For Class 52 Rating, Deduct</i>	-542.80	
<i>For Class 54 Rating, Add</i>	370.09	
<i>For Class 55 Rating, Add</i>	822.59	
40 05 19 00-3539 EA 42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,064.80	998.02
<i>For Class 52 Rating, Deduct</i>	-610.79	
<i>For Class 54 Rating, Add</i>	416.45	
<i>For Class 55 Rating, Add</i>	925.63	
40 05 19 00-3540 EA 42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,691.41	999.53
<i>For Class 52 Rating, Deduct</i>	-679.47	
<i>For Class 54 Rating, Add</i>	463.27	
<i>For Class 55 Rating, Add</i>	1,029.70	
40 05 19 00-3541 EA 42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,313.88	1,001.05
<i>For Class 52 Rating, Deduct</i>	-747.69	
<i>For Class 54 Rating, Add</i>	509.79	
<i>For Class 55 Rating, Add</i>	1,133.08	
40 05 19 00-3542 EA 42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,942.56	1,002.56
<i>For Class 52 Rating, Deduct</i>	-816.59	
<i>For Class 54 Rating, Add</i>	556.76	
<i>For Class 55 Rating, Add</i>	1,237.50	
40 05 19 00-3543 EA 42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,565.03	1,004.07
<i>For Class 52 Rating, Deduct</i>	-884.81	
<i>For Class 54 Rating, Add</i>	603.28	
<i>For Class 55 Rating, Add</i>	1,340.89	
40 05 19 00-3544 EA 42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,194.75	1,005.59
<i>For Class 52 Rating, Deduct</i>	-953.83	
<i>For Class 54 Rating, Add</i>	650.34	
<i>For Class 55 Rating, Add</i>	1,445.48	
40 05 19 00-3545 EA 42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,818.26	1,007.10
<i>For Class 52 Rating, Deduct</i>	-1,022.16	
<i>For Class 54 Rating, Add</i>	696.93	
<i>For Class 55 Rating, Add</i>	1,549.04	
40 05 19 00-3546 EA 42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,449.01	1,008.60
<i>For Class 52 Rating, Deduct</i>	-1,091.29	
<i>For Class 54 Rating, Add</i>	744.06	
<i>For Class 55 Rating, Add</i>	1,653.80	
40 05 19 00-3547 EA 42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,072.52	1,010.12
<i>For Class 52 Rating, Deduct</i>	-1,159.62	
<i>For Class 54 Rating, Add</i>	790.65	
<i>For Class 55 Rating, Add</i>	1,757.36	
40 05 19 00-3548 EA 42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,703.27	1,011.63
<i>For Class 52 Rating, Deduct</i>	-1,228.76	
<i>For Class 54 Rating, Add</i>	837.79	
<i>For Class 55 Rating, Add</i>	1,862.12	
40 05 19 00-3549 EA 42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,327.82	1,013.14
<i>For Class 52 Rating, Deduct</i>	-1,297.20	
<i>For Class 54 Rating, Add</i>	884.46	
<i>For Class 55 Rating, Add</i>	1,965.85	
40 05 19 00-3550 EA 42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,953.40	1,014.66
<i>For Class 52 Rating, Deduct</i>	-1,365.76	
<i>For Class 54 Rating, Add</i>	931.20	
<i>For Class 55 Rating, Add</i>	2,069.75	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3551	EA		42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,583.12	1,016.17
			<i>For Class 52 Rating, Deduct</i>	-1,434.78	
			<i>For Class 54 Rating, Add</i>	978.26	
			<i>For Class 55 Rating, Add</i>	2,174.35	
40 05 19 00-3552	EA		42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,207.66	1,017.69
			<i>For Class 52 Rating, Deduct</i>	-1,503.23	
			<i>For Class 54 Rating, Add</i>	1,024.93	
			<i>For Class 55 Rating, Add</i>	2,278.08	
40 05 19 00-3553	EA		42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,839.45	1,019.19
			<i>For Class 52 Rating, Deduct</i>	-1,572.47	
			<i>For Class 54 Rating, Add</i>	1,072.14	
			<i>For Class 55 Rating, Add</i>	2,383.01	
40 05 19 00-3554	EA		42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,465.03	1,020.70
			<i>For Class 52 Rating, Deduct</i>	-1,641.04	
			<i>For Class 54 Rating, Add</i>	1,118.89	
			<i>For Class 55 Rating, Add</i>	2,486.91	
40 05 19 00-3555	EA		42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,095.79	1,022.22
			<i>For Class 52 Rating, Deduct</i>	-1,710.17	
			<i>For Class 54 Rating, Add</i>	1,166.02	
			<i>For Class 55 Rating, Add</i>	2,591.68	
40 05 19 00-3556	EA		42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,721.36	1,023.73
			<i>For Class 52 Rating, Deduct</i>	-1,778.73	
			<i>For Class 54 Rating, Add</i>	1,212.77	
			<i>For Class 55 Rating, Add</i>	2,695.58	
40 05 19 00-3557	EA		42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,353.15	1,025.24
			<i>For Class 52 Rating, Deduct</i>	-1,847.97	
			<i>For Class 54 Rating, Add</i>	1,259.98	
			<i>For Class 55 Rating, Add</i>	2,800.52	
40 05 19 00-3558	EA		42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,978.73	1,026.76
			<i>For Class 52 Rating, Deduct</i>	-1,916.53	
			<i>For Class 54 Rating, Add</i>	1,306.73	
			<i>For Class 55 Rating, Add</i>	2,904.42	
40 05 19 00-3559	EA		42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,610.52	1,028.27
			<i>For Class 52 Rating, Deduct</i>	-1,985.78	
			<i>For Class 54 Rating, Add</i>	1,353.94	
			<i>For Class 55 Rating, Add</i>	3,009.36	
40 05 19 00-3560	EA		42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,235.06	1,029.77
			<i>For Class 52 Rating, Deduct</i>	-2,054.23	
			<i>For Class 54 Rating, Add</i>	1,400.61	
			<i>For Class 55 Rating, Add</i>	3,113.09	
40 05 19 00-3561	EA		42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,867.88	1,031.29
			<i>For Class 52 Rating, Deduct</i>	-2,123.59	
			<i>For Class 54 Rating, Add</i>	1,447.90	
			<i>For Class 55 Rating, Add</i>	3,218.20	
40 05 19 00-3562	EA		42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,493.46	1,032.80
			<i>For Class 52 Rating, Deduct</i>	-2,192.15	
			<i>For Class 54 Rating, Add</i>	1,494.65	
			<i>For Class 55 Rating, Add</i>	3,322.10	
40 05 19 00-3563	EA		42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	22,124.21	1,034.31
			<i>For Class 52 Rating, Deduct</i>	-2,261.28	
			<i>For Class 54 Rating, Add</i>	1,541.78	
			<i>For Class 55 Rating, Add</i>	3,426.86	
40 05 19 00-3564	EA		42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	22,750.82	1,035.83
			<i>For Class 52 Rating, Deduct</i>	-2,329.95	
			<i>For Class 54 Rating, Add</i>	1,588.60	
			<i>For Class 55 Rating, Add</i>	3,530.94	
40 05 19 00-3565	EA		42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	23,254.23	1,037.34
			<i>For Class 52 Rating, Deduct</i>	-2,385.08	
			<i>For Class 54 Rating, Add</i>	1,626.19	
			<i>For Class 55 Rating, Add</i>	3,614.47	
40 05 19 00-3566	EA		42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	24,008.20	1,038.86
			<i>For Class 52 Rating, Deduct</i>	-2,467.76	
			<i>For Class 54 Rating, Add</i>	1,682.56	
			<i>For Class 55 Rating, Add</i>	3,739.78	
40 05 19 00-3567	EA		42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	24,632.74	1,040.36
			<i>For Class 52 Rating, Deduct</i>	-2,536.21	
			<i>For Class 54 Rating, Add</i>	1,729.23	
			<i>For Class 55 Rating, Add</i>	3,843.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3568 EA 42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	25,264.53	1,041.87
<i>For Class 52 Rating, Deduct</i>	-2,605.45	
<i>For Class 54 Rating, Add</i>	1,776.44	
<i>For Class 55 Rating, Add</i>	3,948.44	
40 05 19 00-3569 EA 42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	25,890.11	1,043.39
<i>For Class 52 Rating, Deduct</i>	-2,674.01	
<i>For Class 54 Rating, Add</i>	1,823.19	
<i>For Class 55 Rating, Add</i>	4,052.35	
40 05 19 00-3570 EA 42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	26,522.93	1,044.90
<i>For Class 52 Rating, Deduct</i>	-2,743.37	
<i>For Class 54 Rating, Add</i>	1,870.48	
<i>For Class 55 Rating, Add</i>	4,157.46	
40 05 19 00-3571 EA 42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	27,147.48	1,046.41
<i>For Class 52 Rating, Deduct</i>	-2,811.82	
<i>For Class 54 Rating, Add</i>	1,917.15	
<i>For Class 55 Rating, Add</i>	4,261.19	
<b>40 05 19 00-3572 48" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-3068)</small>		
40 05 19 00-3573 EA 48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,501.25	1,250.55
<i>For Class 52 Rating, Deduct</i>	-616.71	
<i>For Class 54 Rating, Add</i>	420.49	
<i>For Class 55 Rating, Add</i>	934.60	
40 05 19 00-3574 EA 48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,400.16	1,252.07
<i>For Class 52 Rating, Deduct</i>	-715.34	
<i>For Class 54 Rating, Add</i>	487.73	
<i>For Class 55 Rating, Add</i>	1,084.07	
40 05 19 00-3575 EA 48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,302.18	1,253.58
<i>For Class 52 Rating, Deduct</i>	-814.31	
<i>For Class 54 Rating, Add</i>	555.21	
<i>For Class 55 Rating, Add</i>	1,234.05	
40 05 19 00-3576 EA 48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,213.52	1,255.10
<i>For Class 52 Rating, Deduct</i>	-914.31	
<i>For Class 54 Rating, Add</i>	623.39	
<i>For Class 55 Rating, Add</i>	1,385.59	
40 05 19 00-3577 EA 48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,122.79	1,256.60
<i>For Class 52 Rating, Deduct</i>	-1,014.07	
<i>For Class 54 Rating, Add</i>	691.41	
<i>For Class 55 Rating, Add</i>	1,536.78	
40 05 19 00-3578 EA 48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,033.09	1,258.11
<i>For Class 52 Rating, Deduct</i>	-1,113.95	
<i>For Class 54 Rating, Add</i>	759.51	
<i>For Class 55 Rating, Add</i>	1,688.15	
40 05 19 00-3579 EA 48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,949.60	1,259.63
<i>For Class 52 Rating, Deduct</i>	-1,214.52	
<i>For Class 54 Rating, Add</i>	828.08	
<i>For Class 55 Rating, Add</i>	1,840.55	
40 05 19 00-3580 EA 48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,864.04	1,261.14
<i>For Class 52 Rating, Deduct</i>	-1,314.86	
<i>For Class 54 Rating, Add</i>	896.49	
<i>For Class 55 Rating, Add</i>	1,992.60	
40 05 19 00-3581 EA 48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,776.42	1,262.65
<i>For Class 52 Rating, Deduct</i>	-1,414.96	
<i>For Class 54 Rating, Add</i>	964.75	
<i>For Class 55 Rating, Add</i>	2,144.31	
40 05 19 00-3582 EA 48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,697.08	1,264.17
<i>For Class 52 Rating, Deduct</i>	-1,515.98	
<i>For Class 54 Rating, Add</i>	1,033.63	
<i>For Class 55 Rating, Add</i>	2,297.41	
40 05 19 00-3583 EA 48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,613.59	1,265.68
<i>For Class 52 Rating, Deduct</i>	-1,616.55	
<i>For Class 54 Rating, Add</i>	1,102.19	
<i>For Class 55 Rating, Add</i>	2,449.81	
40 05 19 00-3584 EA 48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,535.28	1,267.18
<i>For Class 52 Rating, Deduct</i>	-1,717.68	
<i>For Class 54 Rating, Add</i>	1,171.15	
<i>For Class 55 Rating, Add</i>	2,603.07	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3585	EA		48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,450.76	1,268.70
			<i>For Class 52 Rating, Deduct</i>	-1,818.13	
			<i>For Class 54 Rating, Add</i>	1,239.64	
			<i>For Class 55 Rating, Add</i>	2,755.30	
40 05 19 00-3586	EA		48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,368.32	1,270.21
			<i>For Class 52 Rating, Deduct</i>	-1,918.81	
			<i>For Class 54 Rating, Add</i>	1,308.28	
			<i>For Class 55 Rating, Add</i>	2,907.87	
40 05 19 00-3587	EA		48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,291.04	1,271.73
			<i>For Class 52 Rating, Deduct</i>	-2,020.06	
			<i>For Class 54 Rating, Add</i>	1,377.31	
			<i>For Class 55 Rating, Add</i>	3,061.31	
40 05 19 00-3588	EA		48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,208.59	1,273.24
			<i>For Class 52 Rating, Deduct</i>	-2,120.74	
			<i>For Class 54 Rating, Add</i>	1,445.96	
			<i>For Class 55 Rating, Add</i>	3,213.88	
40 05 19 00-3589	EA		48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	22,126.14	1,274.75
			<i>For Class 52 Rating, Deduct</i>	-2,221.42	
			<i>For Class 54 Rating, Add</i>	1,514.60	
			<i>For Class 55 Rating, Add</i>	3,366.46	
40 05 19 00-3590	EA		48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	23,049.89	1,276.27
			<i>For Class 52 Rating, Deduct</i>	-2,322.78	
			<i>For Class 54 Rating, Add</i>	1,583.71	
			<i>For Class 55 Rating, Add</i>	3,520.07	
40 05 19 00-3591	EA		48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	23,968.47	1,277.76
			<i>For Class 52 Rating, Deduct</i>	-2,423.57	
			<i>For Class 54 Rating, Add</i>	1,652.43	
			<i>For Class 55 Rating, Add</i>	3,672.81	
40 05 19 00-3592	EA		48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	24,886.03	1,279.28
			<i>For Class 52 Rating, Deduct</i>	-2,524.25	
			<i>For Class 54 Rating, Add</i>	1,721.08	
			<i>For Class 55 Rating, Add</i>	3,825.38	
40 05 19 00-3593	EA		48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	25,811.86	1,280.80
			<i>For Class 52 Rating, Deduct</i>	-2,625.84	
			<i>For Class 54 Rating, Add</i>	1,790.34	
			<i>For Class 55 Rating, Add</i>	3,979.34	
40 05 19 00-3594	EA		48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	26,731.48	1,282.31
			<i>For Class 52 Rating, Deduct</i>	-2,726.74	
			<i>For Class 54 Rating, Add</i>	1,859.14	
			<i>For Class 55 Rating, Add</i>	4,132.26	
40 05 19 00-3595	EA		48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	27,650.06	1,283.82
			<i>For Class 52 Rating, Deduct</i>	-2,827.54	
			<i>For Class 54 Rating, Add</i>	1,927.87	
			<i>For Class 55 Rating, Add</i>	4,285.00	
40 05 19 00-3596	EA		48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	28,574.86	1,285.34
			<i>For Class 52 Rating, Deduct</i>	-2,929.01	
			<i>For Class 54 Rating, Add</i>	1,997.05	
			<i>For Class 55 Rating, Add</i>	4,438.79	
40 05 19 00-3597	EA		48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	29,494.48	1,286.85
			<i>For Class 52 Rating, Deduct</i>	-3,029.92	
			<i>For Class 54 Rating, Add</i>	2,065.85	
			<i>For Class 55 Rating, Add</i>	4,591.70	
40 05 19 00-3598	EA		48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	30,413.07	1,288.35
			<i>For Class 52 Rating, Deduct</i>	-3,130.71	
			<i>For Class 54 Rating, Add</i>	2,134.58	
			<i>For Class 55 Rating, Add</i>	4,744.45	
40 05 19 00-3599	EA		48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	31,338.90	1,289.86
			<i>For Class 52 Rating, Deduct</i>	-3,232.30	
			<i>For Class 54 Rating, Add</i>	2,203.84	
			<i>For Class 55 Rating, Add</i>	4,898.40	
40 05 19 00-3600	EA		48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	32,258.52	1,291.38
			<i>For Class 52 Rating, Deduct</i>	-3,333.21	
			<i>For Class 54 Rating, Add</i>	2,272.64	
			<i>For Class 55 Rating, Add</i>	5,051.32	
40 05 19 00-3601	EA		48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	33,069.43	1,292.90
			<i>For Class 52 Rating, Deduct</i>	-3,422.16	
			<i>For Class 54 Rating, Add</i>	2,333.29	
			<i>For Class 55 Rating, Add</i>	5,186.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3602 EA 48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	34,105.01	1,294.40
<i>For Class 52 Rating, Deduct</i>	-3,535.82	
<i>For Class 54 Rating, Add</i>	2,410.78	
<i>For Class 55 Rating, Add</i>	5,358.37	
40 05 19 00-3603 EA 48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	35,023.59	1,295.92
<i>For Class 52 Rating, Deduct</i>	-3,636.61	
<i>For Class 54 Rating, Add</i>	2,479.51	
<i>For Class 55 Rating, Add</i>	5,511.12	
40 05 19 00-3604 EA 48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	35,951.50	1,297.44
<i>For Class 52 Rating, Deduct</i>	-3,738.43	
<i>For Class 54 Rating, Add</i>	2,548.93	
<i>For Class 55 Rating, Add</i>	5,665.41	
40 05 19 00-3605 EA 48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	36,870.09	1,298.93
<i>For Class 52 Rating, Deduct</i>	-3,839.22	
<i>For Class 54 Rating, Add</i>	2,617.65	
<i>For Class 55 Rating, Add</i>	5,818.16	
40 05 19 00-3606 EA 48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	37,788.67	1,300.45
<i>For Class 52 Rating, Deduct</i>	-3,940.01	
<i>For Class 54 Rating, Add</i>	2,686.37	
<i>For Class 55 Rating, Add</i>	5,970.91	
40 05 19 00-3607 EA 48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	38,716.56	1,301.96
<i>For Class 52 Rating, Deduct</i>	-4,041.83	
<i>For Class 54 Rating, Add</i>	2,755.79	
<i>For Class 55 Rating, Add</i>	6,125.21	
<b>40 05 19 00-3608 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbows (40 05 19 00-2059)</b>		
40 05 19 00-3609 EA 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	480.16	72.96
40 05 19 00-3610 EA 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	707.70	93.29
40 05 19 00-3611 EA 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	1,019.46	105.67
40 05 19 00-3612 EA 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	1,461.99	133.98
40 05 19 00-3613 EA 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	1,827.84	148.57
40 05 19 00-3614 EA 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	2,248.98	161.38
40 05 19 00-3615 EA 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	2,761.49	198.96
40 05 19 00-3616 EA 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	3,467.84	238.76
40 05 19 00-3617 EA 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	4,235.65	300.66
40 05 19 00-3618 EA 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	6,338.70	340.46
40 05 19 00-3619 EA 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	9,863.86	451.00
40 05 19 00-3620 EA 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	14,681.75	510.69
40 05 19 00-3621 EA 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	25,156.24	583.64
40 05 19 00-3622 EA 48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	33,298.44	716.28
<b>40 05 19 00-3623 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbows (40 05 19 00-2059)</b>		
40 05 19 00-3624 EA 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	456.35	72.96
40 05 19 00-3625 EA 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	668.36	93.29
40 05 19 00-3626 EA 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	922.13	105.67
40 05 19 00-3627 EA 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	1,323.25	133.98
40 05 19 00-3628 EA 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	1,648.72	148.57
40 05 19 00-3629 EA 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	1,924.91	161.38
40 05 19 00-3630 EA 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	2,365.98	198.96
40 05 19 00-3631 EA 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	3,016.42	238.76
40 05 19 00-3632 EA 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	3,793.55	300.66
40 05 19 00-3633 EA 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	4,999.98	340.46
40 05 19 00-3634 EA 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	9,626.76	451.00
40 05 19 00-3635 EA 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	14,364.93	510.69
40 05 19 00-3636 EA 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	21,783.04	583.64
40 05 19 00-3637 EA 48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	29,481.06	716.28
<b>40 05 19 00-3638 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows (40 05 19 00-2059)</b>		
40 05 19 00-3639 EA 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	455.31	72.96
40 05 19 00-3640 EA 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	654.90	93.29
40 05 19 00-3641 EA 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	913.85	105.67
40 05 19 00-3642 EA 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	1,291.15	133.98
40 05 19 00-3643 EA 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	1,720.16	148.57
40 05 19 00-3644 EA 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	2,143.37	161.38
40 05 19 00-3645 EA 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	2,415.68	198.96
40 05 19 00-3646 EA 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	3,076.47	238.76
40 05 19 00-3647 EA 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	4,051.36	300.66
40 05 19 00-3648 EA 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	5,595.32	340.46
40 05 19 00-3649 EA 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	9,732.37	451.00
40 05 19 00-3650 EA 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	14,606.17	510.69



**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3651 EA 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	22,264.48	583.64
40 05 19 00-3652 EA 48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	30,110.56	716.28
<b>40 05 19 00-3653 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows (40 05 19 00-2059)</b>		
40 05 19 00-3654 EA 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	495.69	72.96
40 05 19 00-3655 EA 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	730.48	93.29
40 05 19 00-3656 EA 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	944.91	105.67
40 05 19 00-3657 EA 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	1,401.94	133.98
40 05 19 00-3658 EA 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	1,926.20	148.57
40 05 19 00-3659 EA 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	2,196.17	161.38
40 05 19 00-3660 EA 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	2,638.28	198.96
40 05 19 00-3661 EA 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	3,076.47	238.76
40 05 19 00-3662 EA 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	4,051.36	300.66
40 05 19 00-3663 EA 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	5,806.53	340.46
40 05 19 00-3664 EA 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	9,835.90	451.00
40 05 19 00-3665 EA 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	14,711.78	510.69
40 05 19 00-3666 EA 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	22,375.27	583.64
40 05 19 00-3667 EA 48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	30,334.20	716.28
<b>40 05 19 00-3668 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows (40 05 19 00-2059)</b>		
40 05 19 00-3669 EA 6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	691.25	83.12
40 05 19 00-3670 EA 8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	897.34	89.31
40 05 19 00-3671 EA 8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	973.84	99.49
40 05 19 00-3672 EA 10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,348.46	103.47
40 05 19 00-3673 EA 10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,371.12	113.63
40 05 19 00-3674 EA 10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,472.64	119.82
40 05 19 00-3675 EA 12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,611.32	121.15
40 05 19 00-3676 EA 12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,801.89	127.34
40 05 19 00-3677 EA 12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,884.42	141.49
40 05 19 00-3678 EA 14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,880.58	127.34
40 05 19 00-3679 EA 14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,041.12	133.53
40 05 19 00-3680 EA 14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,211.65	147.68
40 05 19 00-3681 EA 14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,405.25	155.20
40 05 19 00-3682 EA 16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,164.78	146.13
40 05 19 00-3683 EA 16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,295.30	152.32
40 05 19 00-3684 EA 16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,556.94	166.47
40 05 19 00-3685 EA 16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,751.25	173.77
40 05 19 00-3686 EA 16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,910.05	180.18
40 05 19 00-3687 EA 18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,514.85	166.03
40 05 19 00-3688 EA 18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,917.66	172.22
40 05 19 00-3689 EA 18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,967.06	186.37
40 05 19 00-3690 EA 18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	3,099.26	193.66
40 05 19 00-3691 EA 18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	3,320.19	200.08
40 05 19 00-3692 EA 18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	3,557.79	218.86
40 05 19 00-3693 EA 20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	3,147.76	196.97
40 05 19 00-3694 EA 20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	3,320.73	203.17
40 05 19 00-3695 EA 20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	3,991.34	217.32
40 05 19 00-3696 EA 20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	4,112.14	224.62
40 05 19 00-3697 EA 20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	4,485.26	231.02
40 05 19 00-3698 EA 20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	4,364.65	249.82
40 05 19 00-3699 EA 20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	4,588.41	269.72
40 05 19 00-3700 EA 24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	4,371.68	216.87
40 05 19 00-3701 EA 24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	4,541.54	223.06
40 05 19 00-3702 EA 24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	4,823.89	237.22
40 05 19 00-3703 EA 24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	5,029.59	244.51
40 05 19 00-3704 EA 24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	5,428.60	250.92
40 05 19 00-3705 EA 24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	5,782.18	269.72
40 05 19 00-3706 EA 24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	5,876.51	289.61
40 05 19 00-3707 EA 24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	6,162.59	286.40
40 05 19 00-3708 EA 30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	7,451.17	299.78
40 05 19 00-3709 EA 30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	7,879.17	306.18
40 05 19 00-3710 EA 30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	8,927.48	324.98
40 05 19 00-3711 EA 30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	10,058.21	344.88
40 05 19 00-3712 EA 30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	13,490.73	375.83
40 05 19 00-3713 EA 30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	14,419.57	395.72
40 05 19 00-3714 EA 36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	13,022.41	405.67
40 05 19 00-3715 EA 36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	14,232.86	425.57
40 05 19 00-3716 EA 36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	14,908.83	480.84
40 05 19 00-3717 EA 42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	19,361.27	442.15
40 05 19 00-3718 EA 42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	19,827.32	462.05
40 05 19 00-3719 EA 42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	19,790.96	517.32
40 05 19 00-3720 EA 42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	28,306.46	547.17
40 05 19 00-3721 EA 48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	27,071.88	533.90
40 05 19 00-3722 EA 48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	29,425.13	589.17
40 05 19 00-3723 EA 48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	30,262.39	619.01
40 05 19 00-3724 EA 48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	37,579.69	655.49



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 05 19 00-3725	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows <small>(40 05 19 00-2059)</small>		
40 05 19 00-3726	EA 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow .....	568.17	72.96
40 05 19 00-3727	EA 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow .....	900.28	93.29
40 05 19 00-3728	EA 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow .....	1,346.63	105.67
40 05 19 00-3729	EA 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow .....	1,884.41	133.98
40 05 19 00-3730	EA 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow .....	2,647.84	148.57
40 05 19 00-3731	EA 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow .....	3,108.33	161.38
40 05 19 00-3732	EA 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow .....	3,963.54	198.96
40 05 19 00-3733	EA 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow .....	4,853.15	238.76
40 05 19 00-3734	EA 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow .....	6,485.49	300.66
40 05 19 00-3735	EA 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow .....	9,488.27	340.46
40 05 19 00-3736	EA 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow .....	16,474.63	451.00
40 05 19 00-3737	EA 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow .....	24,997.04	510.69
40 05 19 00-3738	EA 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow .....	38,574.51	583.64

40 05 19 00-3739	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base <small>(40 05 19 00-2059)</small>		
40 05 19 00-3740	EA 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	597.16	72.96
40 05 19 00-3741	EA 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	843.33	93.29
40 05 19 00-3742	EA 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	1,384.94	105.67
40 05 19 00-3743	EA 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	1,855.42	133.98
40 05 19 00-3744	EA 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	2,489.43	148.57
40 05 19 00-3745	EA 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	2,956.13	161.38
40 05 19 00-3746	EA 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	3,602.20	198.96
40 05 19 00-3747	EA 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	4,463.86	238.76
40 05 19 00-3748	EA 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	5,770.05	300.66
40 05 19 00-3749	EA 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	8,125.74	340.46
40 05 19 00-3750	EA 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	13,137.67	451.00
40 05 19 00-3751	EA 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	18,742.43	510.69
40 05 19 00-3752	EA 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	33,094.35	583.64
40 05 19 00-3753	EA 48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	37,115.81	716.28

40 05 19 00-3754	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tees <small>(40 05 19 00-2059)</small>		
40 05 19 00-3755	EA 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee .....	725.24	117.17
40 05 19 00-3756	EA 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee .....	941.08	144.14
40 05 19 00-3757	EA 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee .....	1,374.46	160.94
40 05 19 00-3758	EA 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee .....	1,949.63	209.14
40 05 19 00-3759	EA 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee .....	2,623.47	228.15
40 05 19 00-3760	EA 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee .....	3,534.83	245.39
40 05 19 00-3761	EA 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee .....	3,806.95	309.50
40 05 19 00-3762	EA 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee .....	4,737.43	353.72
40 05 19 00-3763	EA 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee .....	5,959.04	446.57
40 05 19 00-3764	EA 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee .....	8,832.09	492.99
40 05 19 00-3765	EA 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee .....	14,556.60	680.91
40 05 19 00-3766	EA 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee .....	20,636.83	780.39
40 05 19 00-3767	EA 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee .....	44,357.90	901.99

40 05 19 00-3768	Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tees <small>(40 05 19 00-2059)</small>		
40 05 19 00-3769	EA 6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	973.78	130.87
40 05 19 00-3770	EA 8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	1,273.92	133.53
40 05 19 00-3771	EA 8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	1,247.60	150.33
40 05 19 00-3772	EA 10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	1,706.40	147.68
40 05 19 00-3773	EA 10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	1,656.26	164.48
40 05 19 00-3774	EA 10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	1,725.15	175.10
40 05 19 00-3775	EA 12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	2,188.86	155.20
40 05 19 00-3776	EA 12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	2,156.34	171.99
40 05 19 00-3777	EA 12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	2,249.04	182.61
40 05 19 00-3778	EA 12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	2,591.56	216.66
40 05 19 00-3779	EA 14" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	3,153.88	161.38
40 05 19 00-3780	EA 14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	3,071.66	178.19
40 05 19 00-3781	EA 14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	3,178.86	188.80
40 05 19 00-3782	EA 14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	3,290.50	222.84
40 05 19 00-3783	EA 14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	3,459.40	234.56
40 05 19 00-3784	EA 16" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	3,810.82	180.18
40 05 19 00-3785	EA 16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	3,191.25	196.97
40 05 19 00-3786	EA 16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	3,262.20	207.59
40 05 19 00-3787	EA 16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	3,941.21	241.64
40 05 19 00-3788	EA 16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	3,515.83	253.35
40 05 19 00-3789	EA 16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	4,212.48	264.19
40 05 19 00-3790	EA 18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	3,565.14	216.87
40 05 19 00-3791	EA 18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	4,207.60	227.48

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 05 19 00-3792	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	4,167.04	261.53
40 05 19 00-3793	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	3,929.07	273.25
40 05 19 00-3794	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	4,861.77	284.08
40 05 19 00-3795	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	5,111.62	329.40
40 05 19 00-3796	EA	20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	5,107.09	247.83
40 05 19 00-3797	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	5,187.36	258.44
40 05 19 00-3798	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	5,337.31	292.48
40 05 19 00-3799	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	5,517.61	304.20
40 05 19 00-3800	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	5,566.11	315.03
40 05 19 00-3801	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	6,575.93	360.36
40 05 19 00-3802	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	6,676.96	384.67
40 05 19 00-3803	EA	24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	5,907.54	267.73
40 05 19 00-3804	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	6,136.91	278.34
40 05 19 00-3805	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	6,307.55	312.38
40 05 19 00-3806	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	6,998.30	324.09
40 05 19 00-3807	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	7,144.13	334.93
40 05 19 00-3808	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	7,298.73	380.25
40 05 19 00-3809	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	9,454.95	404.57
40 05 19 00-3810	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	9,726.84	432.32
40 05 19 00-3811	EA	30" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	11,763.42	322.99
40 05 19 00-3812	EA	30" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	11,813.66	333.60
40 05 19 00-3813	EA	30" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	12,074.38	367.65
40 05 19 00-3814	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	12,092.14	379.37
40 05 19 00-3815	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	12,108.55	390.20
40 05 19 00-3816	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	12,177.22	435.52
40 05 19 00-3817	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	12,558.84	459.83
40 05 19 00-3818	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	13,156.85	521.74
40 05 19 00-3819	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	16,064.99	548.27
40 05 19 00-3820	EA	36" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	16,897.58	462.27
40 05 19 00-3821	EA	36" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	17,049.05	470.67
40 05 19 00-3822	EA	36" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	17,119.73	494.77
40 05 19 00-3823	EA	36" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	17,238.70	504.27
40 05 19 00-3824	EA	36" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	17,286.96	512.89
40 05 19 00-3825	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	17,403.87	544.95
40 05 19 00-3826	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	17,473.60	567.05
40 05 19 00-3827	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	17,681.64	613.48
40 05 19 00-3828	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	18,031.56	636.69
40 05 19 00-3829	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	23,348.65	730.65
40 05 19 00-3830	EA	42" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	25,762.05	445.69
40 05 19 00-3831	EA	42" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	25,816.78	456.52
40 05 19 00-3832	EA	42" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	25,957.93	501.84
40 05 19 00-3833	EA	42" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	26,032.04	526.16
40 05 19 00-3834	EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	26,273.90	588.06
40 05 19 00-3835	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	26,611.23	614.59
40 05 19 00-3836	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	33,336.01	747.23
40 05 19 00-3837	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	42,597.22	816.87
40 05 19 00-3838	EA	48" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	34,629.03	517.54
40 05 19 00-3839	EA	48" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	34,645.44	528.37
40 05 19 00-3840	EA	48" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	34,823.86	573.69
40 05 19 00-3841	EA	48" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	34,860.71	598.01
40 05 19 00-3842	EA	48" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	35,102.55	659.91
40 05 19 00-3843	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	35,403.66	686.44
40 05 19 00-3844	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	36,123.35	819.09

**40 05 19 00-3845 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tees With Base** (40 05 19 00-2059)

40 05 19 00-3846	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base .....	785.29	117.17
40 05 19 00-3847	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base .....	1,116.06	144.14
40 05 19 00-3848	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base .....	1,670.58	160.94
40 05 19 00-3849	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base .....	2,510.80	209.14
40 05 19 00-3850	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base .....	3,402.06	228.15
40 05 19 00-3851	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base .....	3,838.20	245.39
40 05 19 00-3852	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base .....	4,701.50	309.50
40 05 19 00-3853	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base .....	5,688.93	353.72
40 05 19 00-3854	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base .....	7,484.12	446.57
40 05 19 00-3855	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base .....	10,822.05	492.99
40 05 19 00-3856	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base .....	17,969.14	680.91
40 05 19 00-3857	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base .....	25,647.98	780.39

**40 05 19 00-3858 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wyes** (40 05 19 00-2059)

40 05 19 00-3859	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye .....	635.16	117.17
40 05 19 00-3860	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye .....	933.83	144.14
40 05 19 00-3861	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye .....	1,398.28	160.94
40 05 19 00-3862	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye .....	1,844.03	209.14
40 05 19 00-3863	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye .....	2,816.05	228.15
40 05 19 00-3864	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye .....	3,789.53	245.39



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**40 05 19 00-3865**

**Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Crosses**  
(40 05 19 00-2059)

40 05 19 00-3866	EA 4" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	812.93	161.38
40 05 19 00-3867	EA 6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,160.55	174.87
40 05 19 00-3868	EA 6" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,201.37	194.98
40 05 19 00-3869	EA 8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,513.81	177.75
40 05 19 00-3870	EA 8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,611.44	201.18
40 05 19 00-3871	EA 8" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,643.53	216.21
40 05 19 00-3872	EA 10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,002.20	191.89
40 05 19 00-3873	EA 10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,158.84	215.33
40 05 19 00-3874	EA 10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,332.78	230.36
40 05 19 00-3875	EA 10" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,804.85	284.31
40 05 19 00-3876	EA 12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,634.47	199.19
40 05 19 00-3877	EA 12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,730.02	222.63
40 05 19 00-3878	EA 12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,903.97	237.66
40 05 19 00-3879	EA 12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,407.09	291.60
40 05 19 00-3880	EA 12" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,185.13	307.74
40 05 19 00-3881	EA 14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,299.87	229.03
40 05 19 00-3882	EA 14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,473.81	244.06
40 05 19 00-3883	EA 14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,764.68	298.01
40 05 19 00-3884	EA 14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,062.48	314.14
40 05 19 00-3885	EA 14" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,234.67	329.40
40 05 19 00-3886	EA 16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,946.45	247.83
40 05 19 00-3887	EA 16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,149.38	262.86
40 05 19 00-3888	EA 16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,441.29	316.80
40 05 19 00-3889	EA 16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,768.06	332.94
40 05 19 00-3890	EA 16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,570.97	348.19
40 05 19 00-3891	EA 16" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,262.42	420.05
40 05 19 00-3892	EA 18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,145.36	267.73
40 05 19 00-3893	EA 18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,348.28	282.76
40 05 19 00-3894	EA 18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,580.15	336.69
40 05 19 00-3895	EA 18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,906.93	352.84
40 05 19 00-3896	EA 18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,591.63	368.09
40 05 19 00-3897	EA 18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,972.79	439.94
40 05 19 00-3898	EA 18" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,195.46	468.68
40 05 19 00-3899	EA 20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,346.69	298.67
40 05 19 00-3900	EA 20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,564.10	313.70
40 05 19 00-3901	EA 20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,775.25	367.65
40 05 19 00-3902	EA 20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,123.78	383.78
40 05 19 00-3903	EA 20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,213.16	399.04
40 05 19 00-3904	EA 20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,424.67	470.89
40 05 19 00-3905	EA 20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,661.84	499.63
40 05 19 00-3906	EA 20" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,257.04	592.48
40 05 19 00-3907	EA 24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,087.24	318.57
40 05 19 00-3908	EA 24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,241.51	333.60
40 05 19 00-3909	EA 24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,548.95	387.55
40 05 19 00-3910	EA 24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,768.05	403.68
40 05 19 00-3911	EA 24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,888.49	418.94
40 05 19 00-3912	EA 24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,224.10	490.79
40 05 19 00-3913	EA 24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,571.32	519.52
40 05 19 00-3914	EA 24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	11,080.60	578.22
40 05 19 00-3915	EA 24" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,090.61	645.54
40 05 19 00-3916	EA 30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,733.51	458.96
40 05 19 00-3917	EA 30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,790.80	474.21
40 05 19 00-3918	EA 30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	13,141.93	546.05
40 05 19 00-3919	EA 30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	13,256.92	574.80
40 05 19 00-3920	EA 30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	13,778.61	667.65
40 05 19 00-3921	EA 30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	17,825.34	700.80
40 05 19 00-3922	EA 30" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	19,915.05	910.83
40 05 19 00-3923	EA 36" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	17,843.84	583.86
40 05 19 00-3924	EA 36" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	17,863.60	596.90
40 05 19 00-3925	EA 36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	18,163.58	655.49
40 05 19 00-3926	EA 36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	18,272.10	682.02
40 05 19 00-3927	EA 36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	18,702.01	759.39
40 05 19 00-3928	EA 36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	19,303.23	789.24
40 05 19 00-3929	EA 36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	25,782.24	960.57
40 05 19 00-3930	EA 36" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	28,142.88	1,050.11
40 05 19 00-3931	EA 42" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	26,642.05	612.38
40 05 19 00-3932	EA 42" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	26,723.90	641.12
40 05 19 00-3933	EA 42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	27,218.68	733.97
40 05 19 00-3934	EA 42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	27,859.08	767.13
40 05 19 00-3935	EA 42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	35,882.45	977.15
40 05 19 00-3936	EA 42" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	48,899.15	1,086.59
40 05 19 00-3937	EA 48" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	36,290.65	805.82
40 05 19 00-3938	EA 48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	36,931.06	838.98
40 05 19 00-3939	EA 48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	38,311.55	1,049.00

**40 05 19 00-3940**

**Flanged End x Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducers**  
(40 05 19 00-2059)

**40 Process Interconnections**  
**40 05 Common Work Results For Process Interconnections**  
**40 05 19 Ductile Iron Process Pipe**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 05 19 00-3941	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	588.75	83.12
40 05 19 00-3942	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	789.67	89.31
40 05 19 00-3943	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	838.21	99.49
40 05 19 00-3944	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,057.52	103.47
40 05 19 00-3945	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,050.16	113.63
40 05 19 00-3946	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,181.71	119.82
40 05 19 00-3947	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,355.71	110.98
40 05 19 00-3948	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,374.22	121.15
40 05 19 00-3949	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,471.61	127.34
40 05 19 00-3950	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,598.66	141.49
40 05 19 00-3951	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,670.40	127.34
40 05 19 00-3952	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,800.92	133.53
40 05 19 00-3953	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,925.89	147.68
40 05 19 00-3954	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,866.87	155.20
40 05 19 00-3955	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,985.66	146.13
40 05 19 00-3956	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,889.44	152.32
40 05 19 00-3957	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,040.30	166.47
40 05 19 00-3958	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,287.41	173.77
40 05 19 00-3959	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,577.70	180.18
40 05 19 00-3960	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,404.13	172.22
40 05 19 00-3961	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,576.73	186.37
40 05 19 00-3962	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,549.48	193.66
40 05 19 00-3963	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,867.74	200.08
40 05 19 00-3964	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,833.04	218.86
40 05 19 00-3965	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,931.43	203.17
40 05 19 00-3966	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,114.39	217.32
40 05 19 00-3967	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,036.40	224.62
40 05 19 00-3968	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,428.16	231.02
40 05 19 00-3969	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,215.40	249.82
40 05 19 00-3970	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,845.02	269.72
40 05 19 00-3971	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,262.73	237.22
40 05 19 00-3972	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,610.27	244.51
40 05 19 00-3973	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,706.95	250.92
40 05 19 00-3974	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,197.04	269.72
40 05 19 00-3975	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,935.37	289.61
40 05 19 00-3976	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,189.35	286.40
40 05 19 00-3977	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,073.15	324.98
40 05 19 00-3978	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,313.47	344.88
40 05 19 00-3979	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,777.62	375.83
40 05 19 00-3980	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,501.45	395.72
40 05 19 00-3981	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	10,050.50	354.83
40 05 19 00-3982	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	10,190.40	374.72
40 05 19 00-3983	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	10,819.17	405.67
40 05 19 00-3984	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	11,384.59	425.57
40 05 19 00-3985	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	12,930.26	480.84
40 05 19 00-3986	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	15,815.30	462.05
40 05 19 00-3987	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	17,678.82	517.32
40 05 19 00-3988	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	19,836.18	547.17
40 05 19 00-3989	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	20,970.51	533.90
40 05 19 00-3990	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	22,207.64	589.17
40 05 19 00-3991	EA	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	24,662.13	619.01
40 05 19 00-3992	EA	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	27,461.11	655.49

**40 05 19 00-3993 Flanged End x Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducers**

(40 05 19 00-2059)

40 05 19 00-3994	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	631.20	83.12
40 05 19 00-3995	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	838.33	89.31
40 05 19 00-3996	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	912.75	99.49
40 05 19 00-3997	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,057.52	103.47
40 05 19 00-3998	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,101.92	113.63
40 05 19 00-3999	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,231.41	119.82
40 05 19 00-4000	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,355.71	110.98
40 05 19 00-4001	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,432.20	121.15
40 05 19 00-4002	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,531.66	127.34
40 05 19 00-4003	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,703.23	141.49
40 05 19 00-4004	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,670.40	127.34
40 05 19 00-4005	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,769.86	133.53
40 05 19 00-4006	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,911.40	147.68
40 05 19 00-4007	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,133.99	155.20
40 05 19 00-4008	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,985.66	146.13
40 05 19 00-4009	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,114.11	152.32
40 05 19 00-4010	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,287.75	166.47
40 05 19 00-4011	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,478.95	173.77
40 05 19 00-4012	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,577.70	180.18
40 05 19 00-4013	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,404.13	172.22
40 05 19 00-4014	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,576.73	186.37
40 05 19 00-4015	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,766.91	193.66
40 05 19 00-4016	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,867.74	200.08
40 05 19 00-4017	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,076.35	218.86
40 05 19 00-4018	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,092.95	203.17



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-4019	EA			20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	3,228.28	217.32
40 05 19 00-4020	EA			20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	3,353.22	224.62
40 05 19 00-4021	EA			20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	3,428.16	231.02
40 05 19 00-4022	EA			20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	3,682.34	249.82
40 05 19 00-4023	EA			20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	3,841.91	269.72
40 05 19 00-4024	EA			24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	4,384.17	223.06
40 05 19 00-4025	EA			24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	4,337.27	237.22
40 05 19 00-4026	EA			24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	4,413.55	244.51
40 05 19 00-4027	EA			24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	4,487.45	250.92
40 05 19 00-4028	EA			24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	4,742.68	269.72
40 05 19 00-4029	EA			24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	4,935.37	289.61
40 05 19 00-4030	EA			24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	5,189.35	286.40
40 05 19 00-4031	EA			30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	8,760.26	306.18
40 05 19 00-4032	EA			30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	8,151.99	324.98
40 05 19 00-4033	EA			30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	7,347.63	344.88
40 05 19 00-4034	EA			30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	7,777.62	375.83
40 05 19 00-4035	EA			30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	8,501.45	395.72
40 05 19 00-4036	EA			36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	9,445.85	354.83
40 05 19 00-4037	EA			36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	9,834.23	374.72
40 05 19 00-4038	EA			36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	10,401.92	405.67
40 05 19 00-4039	EA			36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	11,348.35	425.57
40 05 19 00-4040	EA			36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	13,113.52	480.84
40 05 19 00-4041	EA			42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	15,815.30	462.05
40 05 19 00-4042	EA			42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	17,678.82	517.32
40 05 19 00-4043	EA			42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	19,836.18	547.17
40 05 19 00-4044	EA			48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	22,207.64	589.17
40 05 19 00-4045	EA			48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	24,662.13	619.01
40 05 19 00-4046	EA			48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	27,461.11	655.49
<b>40 05 19 00-4047 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flanges</b> <small>(40 05 19 00-2059)</small>						
40 05 19 00-4048	EA			4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	295.14	28.74
40 05 19 00-4049	EA			6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	449.46	42.45
40 05 19 00-4050	EA			8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	602.33	50.41
40 05 19 00-4051	EA			10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	881.15	58.80
40 05 19 00-4052	EA			12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	1,170.92	68.98
40 05 19 00-4053	EA			14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	1,619.54	77.38
40 05 19 00-4054	EA			16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	1,958.29	88.43
40 05 19 00-4055	EA			18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	2,634.14	123.80
40 05 19 00-4056	EA			20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	3,540.38	154.75
40 05 19 00-4057	EA			24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	5,203.71	187.91
40 05 19 00-4058	EA			30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	7,561.53	218.86
40 05 19 00-4059	EA			36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	14,238.93	240.97
40 05 19 00-4060	EA			42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	20,444.46	265.29
40 05 19 00-4061	EA			48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	27,274.24	298.45
<b>40 05 19 00-4062 Ductile Iron Bolt Packs</b> <small>(40 05 19)</small>						
Note: Labor installation is included with pipe fittings or valves.						
40 05 19 00-4063	EA			4" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	29.23	
Note: Includes eight (8) 5/8" diameter plain finish bolts with washers and nut.						
For Zinc Plated, Add					8.18	
For Hot Dip Galvanized, Add					11.69	
40 05 19 00-4064	EA			6" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	45.10	
Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.						
For Zinc Plated, Add					12.63	
For Hot Dip Galvanized, Add					18.04	
40 05 19 00-4065	EA			8" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	48.97	
Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.						
For Zinc Plated, Add					13.71	
For Hot Dip Galvanized, Add					19.59	
40 05 19 00-4066	EA			10" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	110.00	
Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.						
For Zinc Plated, Add					30.80	
For Hot Dip Galvanized, Add					44.00	
40 05 19 00-4067	EA			12" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	110.97	
Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.						
For Zinc Plated, Add					31.07	
For Hot Dip Galvanized, Add					44.39	
40 05 19 00-4068	EA			14" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	124.33	
Note: Includes twelve (12) 1" diameter plain finish bolts with washers and nut.						
For Zinc Plated, Add					34.81	
For Hot Dip Galvanized, Add					49.73	
40 05 19 00-4069	EA			16" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	209.01	
Note: Includes sixteen (16) 1" diameter plain finish bolts with washers and nut.						
For Zinc Plated, Add					58.52	
For Hot Dip Galvanized, Add					83.60	
40 05 19 00-4070	EA			18" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	303.64	
Note: Includes sixteen (16) 1-1/8" diameter plain finish bolts with washers and nut.						
For Zinc Plated, Add					85.02	
For Hot Dip Galvanized, Add					121.46	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-4071	EA		20" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	383.38	
			Note: Includes twenty (20) 1-1/8" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	107.35	
			For Hot Dip Galvanized, Add	153.35	
40 05 19 00-4072	EA		24" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	548.56	
			Note: Includes twenty (20) 1-1/4" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	153.60	
			For Hot Dip Galvanized, Add	219.42	
40 05 19 00-4073	EA		30" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	866.80	
			Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	242.70	
			For Hot Dip Galvanized, Add	346.72	
40 05 19 00-4074	EA		36" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	1,236.51	
			Note: Includes thirty-two (32) 1-1/2" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	346.22	
			For Hot Dip Galvanized, Add	494.60	
40 05 19 00-4075	EA		42" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	1,590.73	
			Note: Includes thirty-six (36) 1-1/2" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	445.40	
			For Hot Dip Galvanized, Add	636.29	
40 05 19 00-4076	EA		48" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	1,944.23	
			Note: Includes forty-four (44) 1-1/2" diameter plain finish bolts with washers and nut.		
			For Zinc Plated, Add	544.38	
			For Hot Dip Galvanized, Add	777.69	
40 05 19 00-4077			<b>Full Face Flange Gaskets, ANSI/AWWA C115/A21.15</b> (40 05 19)		
			Note: Labor installation is included with pipe fittings or valves.		
40 05 19 00-4078			<b>Full Face Flange Styrene Butadiene (SBR) Gaskets</b> (40 05 19 00-4077)		
40 05 19 00-4079	EA		4" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	6.15	
40 05 19 00-4080	EA		6" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	7.82	
40 05 19 00-4081	EA		8" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	10.62	
40 05 19 00-4082	EA		10" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	12.29	
40 05 19 00-4083	EA		12" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	13.41	
40 05 19 00-4084	EA		14" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	22.35	
40 05 19 00-4085	EA		16" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	27.38	
40 05 19 00-4086	EA		18" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	29.06	
40 05 19 00-4087	EA		20" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	44.70	
40 05 19 00-4088	EA		24" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	48.05	
40 05 19 00-4089	EA		30" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	62.02	
40 05 19 00-4090	EA		36" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	70.96	
40 05 19 00-4091	EA		42" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	75.99	
40 05 19 00-4092	EA		48" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	83.25	
40 05 19 00-4093			<b>Full Face Flange Nitrile Buna-N (NBR) Gaskets</b> (40 05 19 00-4077)		
			Note: (Acrylonitrile Butadiene)		
40 05 19 00-4094	EA		4" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	19.00	
40 05 19 00-4095	EA		6" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	26.82	
40 05 19 00-4096	EA		8" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	41.35	
40 05 19 00-4097	EA		10" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	45.26	
40 05 19 00-4098	EA		12" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	48.61	
40 05 19 00-4099	EA		14" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	91.64	
40 05 19 00-4100	EA		16" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	112.87	
40 05 19 00-4101	EA		18" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	113.43	
40 05 19 00-4102	EA		20" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	117.90	
40 05 19 00-4103	EA		24" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	124.60	
40 05 19 00-4104	EA		30" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	138.01	
40 05 19 00-4105	EA		36" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	151.98	
40 05 19 00-4106	EA		42" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	216.24	
40 05 19 00-4107	EA		48" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	236.35	
40 05 19 00-4108			<b>Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gaskets</b> (40 05 19 00-4077)		
40 05 19 00-4109	EA		4" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	16.76	
40 05 19 00-4110	EA		6" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	21.79	
40 05 19 00-4111	EA		8" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	29.61	
40 05 19 00-4112	EA		10" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	34.64	
40 05 19 00-4113	EA		12" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	38.55	
40 05 19 00-4114	EA		14" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	63.70	
40 05 19 00-4115	EA		16" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	76.55	
40 05 19 00-4116	EA		18" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	77.11	
40 05 19 00-4117	EA		20" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	78.78	
40 05 19 00-4118	EA		24" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	91.64	
40 05 19 00-4119	EA		30" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	112.31	
40 05 19 00-4120	EA		36" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	127.95	
40 05 19 00-4121	EA		42" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	183.27	
40 05 19 00-4122	EA		48" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	202.27	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**40 05 19 00-4123 Full Face Flange Neoprene Gaskets** (40 05 19 00-4077)  
 Note: (Polychloroprene)

40 05 19 00-4124	EA	4"	Full Face Flange Neoprene Gasket, 1/8" Thick	19.56	
40 05 19 00-4125	EA	6"	Full Face Flange Neoprene Gasket, 1/8" Thick	27.38	
40 05 19 00-4126	EA	8"	Full Face Flange Neoprene Gasket, 1/8" Thick	41.91	
40 05 19 00-4127	EA	10"	Full Face Flange Neoprene Gasket, 1/8" Thick	45.26	
40 05 19 00-4128	EA	12"	Full Face Flange Neoprene Gasket, 1/8" Thick	48.61	
40 05 19 00-4129	EA	14"	Full Face Flange Neoprene Gasket, 1/8" Thick	64.82	
40 05 19 00-4130	EA	16"	Full Face Flange Neoprene Gasket, 1/8" Thick	113.98	
40 05 19 00-4131	EA	18"	Full Face Flange Neoprene Gasket, 1/8" Thick	114.54	
40 05 19 00-4132	EA	20"	Full Face Flange Neoprene Gasket, 1/8" Thick	121.25	
40 05 19 00-4133	EA	24"	Full Face Flange Neoprene Gasket, 1/8" Thick	122.92	
40 05 19 00-4134	EA	30"	Full Face Flange Neoprene Gasket, 1/8" Thick	133.54	
40 05 19 00-4135	EA	36"	Full Face Flange Neoprene Gasket, 1/8" Thick	150.30	
40 05 19 00-4136	EA	42"	Full Face Flange Neoprene Gasket, 1/8" Thick	217.91	
40 05 19 00-4137	EA	48"	Full Face Flange Neoprene Gasket, 1/8" Thick	238.59	

**40 05 19 00-4138 Full Face Flange FKM Gaskets** (40 05 19 00-4077)  
 Note: (Fluoroelastomer Fluorel Viton®)

40 05 19 00-4139	EA	4"	Full Face Flange FKM Gasket, 1/8" Thick	45.00	
40 05 19 00-4140	EA	6"	Full Face Flange FKM Gasket, 1/8" Thick	67.00	
40 05 19 00-4141	EA	8"	Full Face Flange FKM Gasket, 1/8" Thick	89.50	
40 05 19 00-4142	EA	10"	Full Face Flange FKM Gasket, 1/8" Thick	108.00	
40 05 19 00-4143	EA	12"	Full Face Flange FKM Gasket, 1/8" Thick	140.50	
40 05 19 00-4144	EA	14"	Full Face Flange FKM Gasket, 1/8" Thick	257.00	
40 05 19 00-4145	EA	16"	Full Face Flange FKM Gasket, 1/8" Thick	294.50	
40 05 19 00-4146	EA	18"	Full Face Flange FKM Gasket, 1/8" Thick	308.50	
40 05 19 00-4147	EA	20"	Full Face Flange FKM Gasket, 1/8" Thick	329.00	
40 05 19 00-4148	EA	24"	Full Face Flange FKM Gasket, 1/8" Thick	455.00	
40 05 19 00-4149	EA	30"	Full Face Flange FKM Gasket, 1/8" Thick	545.50	
40 05 19 00-4150	EA	36"	Full Face Flange FKM Gasket, 1/8" Thick	575.50	
40 05 19 00-4151	EA	42"	Full Face Flange FKM Gasket, 1/8" Thick	717.50	
40 05 19 00-4152	EA	48"	Full Face Flange FKM Gasket, 1/8" Thick	752.00	

**40 05 19 00-4153 Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)** (40 05 19)

40 05 19 00-4154	EA	4"	Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	248.17	37.34
40 05 19 00-4155	EA	6"	Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	348.39	45.59
40 05 19 00-4156	EA	8"	Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	523.21	55.59
40 05 19 00-4157	EA	10"	Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	723.91	67.81
40 05 19 00-4158	EA	12"	Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	921.14	82.70
40 05 19 00-4159	EA	14"	Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	1,500.04	100.89
40 05 19 00-4160	EA	16"	Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	2,381.50	123.13
40 05 19 00-4161	EA	18"	Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	2,444.32	150.19
40 05 19 00-4162	EA	20"	Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	2,995.30	183.27
40 05 19 00-4163	EA	24"	Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	3,325.01	223.54
40 05 19 00-4164	EA	30"	Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	4,295.02	272.77
40 05 19 00-4165	EA	36"	Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	6,431.03	332.74
40 05 19 00-4166	EA	42"	Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	17,057.22	405.97
40 05 19 00-4167	EA	48"	Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	21,802.24	495.26

**40 05 23 Stainless Steel Process Pipe and Tubing** (40 05)

**40 05 23 43 Stainless Steel Process Pipe** (40 05 23)

**40 05 23 43-0001 Schedule 40 Pipe, Type 304, With 150 LB Screwed Fittings Assembly** (40 05 23)  
 Note: Includes hangers and fittings. Fittings are assumed every 10'. Not for use where detail is available.

40 05 23 43-0002	LF	1/2"	Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	22.89	5.80
				Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	
				<i>For Type 316, Add</i>	2.92
				<i>For Work In Restricted Working Space, Add</i>	3.50
40 05 23 43-0003	LF	3/4"	Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	25.63	6.65
				Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	
				<i>For Type 316, Add</i>	3.06
				<i>For Work In Restricted Working Space, Add</i>	4.16
40 05 23 43-0004	LF	1"	Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	29.87	7.51
				Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	
				<i>For Type 316, Add</i>	3.59
				<i>For Work In Restricted Working Space, Add</i>	4.82
40 05 23 43-0005	LF	1-1/4"	Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	34.73	9.07
				Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	
				<i>For Type 316, Add</i>	4.53
				<i>For Work In Restricted Working Space, Add</i>	5.19
40 05 23 43-0006	LF	1-1/2"	Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	38.51	9.32
				Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	
				<i>For Type 316, Add</i>	5.19
				<i>For Work In Restricted Working Space, Add</i>	5.57



**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0007	LF		2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly ..... Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	46.69	12.32
			<i>For Type 316, Add</i>	6.33	
			<i>For Work In Restricted Working Space, Add</i>	6.71	
40 05 23 43-0008	LF		2-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly ..... Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	69.54	15.19
			<i>For Type 316, Add</i>	10.88	
			<i>For Work In Restricted Working Space, Add</i>	8.31	
40 05 23 43-0009	LF		3" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly ..... Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	88.37	17.60
			<i>For Type 316, Add</i>	14.17	
			<i>For Work In Restricted Working Space, Add</i>	10.16	
40 05 23 43-0010	LF		4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly ..... Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	121.47	17.60
			<i>For Work In Restricted Working Space, Add</i>	12.90	
40 05 23 43-0011			<b>Stainless Steel Tubing And Fittings</b> (40 05 23 43)		
40 05 23 43-0012			<b>Type 304 Tubing</b> (40 05 23 43-0011)		
40 05 23 43-0013			<b>0.035" Wall</b> (40 05 23 43-0012)		
40 05 23 43-0014	LF		1/4", 0.035" Wall, Type 304, Stainless Steel Tubing ..... <i>For Work In Restricted Working Space, Add</i>	5.31 1.17	1.97
40 05 23 43-0015	LF		3/8", 0.035" Wall, Type 304, Stainless Steel Tubing ..... <i>For Work In Restricted Working Space, Add</i>	6.15 1.40	2.33
40 05 23 43-0016	LF		1/2", 0.035" Wall, Type 304, Stainless Steel Tubing ..... <i>For Work In Restricted Working Space, Add</i>	7.34 1.64	2.76
40 05 23 43-0017	LF		5/8", 0.035" Wall, Type 304, Stainless Steel Tubing ..... <i>For Work In Restricted Working Space, Add</i>	11.97 1.87	3.12
40 05 23 43-0018	LF		3/4", 0.035" Wall, Type 304, Stainless Steel Tubing ..... <i>For Work In Restricted Working Space, Add</i>	14.20 2.11	3.49
40 05 23 43-0019	LF		7/8", 0.035" Wall, Type 304, Stainless Steel Tubing ..... <i>For Work In Restricted Working Space, Add</i>	15.71 2.35	3.93
40 05 23 43-0020	LF		1", 0.035" Wall, Type 304, Stainless Steel Tubing ..... <i>For Work In Restricted Working Space, Add</i>	17.55 2.81	4.73
40 05 23 43-0021			<b>0.049" Wall</b> (40 05 23 43-0012)		
40 05 23 43-0022	LF		1/4", 0.049" Wall, Type 304, Stainless Steel Tubing ..... <i>For Work In Restricted Working Space, Add</i>	8.84 1.40	2.33
40 05 23 43-0023	LF		3/8", 0.049" Wall, Type 304, Stainless Steel Tubing ..... <i>For Work In Restricted Working Space, Add</i>	9.84 1.64	2.76
40 05 23 43-0024	LF		1/2", 0.049" Wall, Type 304, Stainless Steel Tubing ..... <i>For Work In Restricted Working Space, Add</i>	11.84 1.87	3.12
40 05 23 43-0025	LF		5/8", 0.049" Wall, Type 304, Stainless Steel Tubing ..... <i>For Work In Restricted Working Space, Add</i>	14.99 2.35	3.93
40 05 23 43-0026	LF		3/4", 0.049" Wall, Type 304, Stainless Steel Tubing ..... <i>For Work In Restricted Working Space, Add</i>	17.14 2.81	4.73
40 05 23 43-0027	LF		7/8", 0.049" Wall, Type 304, Stainless Steel Tubing ..... <i>For Work In Restricted Working Space, Add</i>	19.27 3.28	5.45
40 05 23 43-0028	LF		1", 0.049" Wall, Type 304, Stainless Steel Tubing ..... <i>For Work In Restricted Working Space, Add</i>	22.23 3.73	6.18
40 05 23 43-0029			<b>0.065" Wall</b> (40 05 23 43-0012)		
40 05 23 43-0030	LF		1/4", 0.065" Wall, Type 304, Stainless Steel Tubing ..... <i>For Work In Restricted Working Space, Add</i>	10.31 1.64	2.76
40 05 23 43-0031	LF		3/8", 0.065" Wall, Type 304, Stainless Steel Tubing ..... <i>For Work In Restricted Working Space, Add</i>	11.87 1.87	3.12
40 05 23 43-0032	LF		1/2", 0.065" Wall, Type 304, Stainless Steel Tubing ..... <i>For Work In Restricted Working Space, Add</i>	14.64 2.35	3.93
40 05 23 43-0033	LF		5/8", 0.065" Wall, Type 304, Stainless Steel Tubing ..... <i>For Work In Restricted Working Space, Add</i>	17.21 2.81	4.73
40 05 23 43-0034	LF		3/4", 0.065" Wall, Type 304, Stainless Steel Tubing ..... <i>For Work In Restricted Working Space, Add</i>	20.30 3.28	5.45
40 05 23 43-0035	LF		7/8", 0.065" Wall, Type 304, Stainless Steel Tubing ..... <i>For Work In Restricted Working Space, Add</i>	23.32 3.73	6.18
40 05 23 43-0036	LF		1", 0.065" Wall, Type 304, Stainless Steel Tubing ..... <i>For Work In Restricted Working Space, Add</i>	26.28 4.19	6.98
40 05 23 43-0037			<b>Type 304 Tube Fittings</b> (40 05 23 43-0011)		
40 05 23 43-0038			<b>90 Degree Elbows</b> (40 05 23 43-0037)		
40 05 23 43-0039	EA		1/4", Type 304, Stainless Steel, 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	33.33 4.69	7.85
40 05 23 43-0040	EA		3/8", Type 304, Stainless Steel, 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	39.43 5.13	8.58
40 05 23 43-0041	EA		1/2", Type 304, Stainless Steel, 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	59.40 5.81	9.67
40 05 23 43-0042	EA		5/8", Type 304, Stainless Steel, 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	63.45 6.51	10.84



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0043 EA 3/4", Type 304, Stainless Steel, 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	70.98 7.04	11.70
40 05 23 43-0044 EA 7/8", Type 304, Stainless Steel, 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	96.96 7.79	13.01
40 05 23 43-0045 EA 1", Type 304, Stainless Steel, 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	123.48 9.28	15.48
<b>40 05 23 43-0046 Union Tees</b> <small>(40 05 23 43-0037)</small>		
40 05 23 43-0047 EA 1/4", Type 304, Stainless Steel, Union Tee ..... <i>For Work In Restricted Working Space, Add</i>	52.90 7.04	11.70
40 05 23 43-0048 EA 3/8", Type 304, Stainless Steel, Union Tee ..... <i>For Work In Restricted Working Space, Add</i>	64.16 7.79	13.01
40 05 23 43-0049 EA 1/2", Type 304, Stainless Steel, Union Tee ..... <i>For Work In Restricted Working Space, Add</i>	87.67 8.72	14.55
40 05 23 43-0050 EA 5/8", Type 304, Stainless Steel, Union Tee ..... <i>For Work In Restricted Working Space, Add</i>	94.33 9.92	16.50
40 05 23 43-0051 EA 3/4", Type 304, Stainless Steel, Union Tee ..... <i>For Work In Restricted Working Space, Add</i>	120.51 10.64	17.74
40 05 23 43-0052 EA 7/8", Type 304, Stainless Steel, Union Tee ..... <i>For Work In Restricted Working Space, Add</i>	191.49 11.79	19.63
40 05 23 43-0053 EA 1", Type 304, Stainless Steel, Union Tee ..... <i>For Work In Restricted Working Space, Add</i>	229.49 14.07	23.49
<b>40 05 23 43-0054 Unions</b> <small>(40 05 23 43-0037)</small>		
40 05 23 43-0055 EA 1/4", Type 304, Stainless Steel, Union ..... <i>For Work In Restricted Working Space, Add</i>	50.55 7.04	11.70
40 05 23 43-0056 EA 3/8", Type 304, Stainless Steel, Union ..... <i>For Work In Restricted Working Space, Add</i>	65.48 7.79	13.01
40 05 23 43-0057 EA 1/2", Type 304, Stainless Steel, Union ..... <i>For Work In Restricted Working Space, Add</i>	88.53 8.72	14.55
40 05 23 43-0058 EA 5/8", Type 304, Stainless Steel, Union ..... <i>For Work In Restricted Working Space, Add</i>	107.93 9.92	16.50
40 05 23 43-0059 EA 3/4", Type 304, Stainless Steel, Union ..... <i>For Work In Restricted Working Space, Add</i>	128.79 10.64	17.74
40 05 23 43-0060 EA 7/8", Type 304, Stainless Steel, Union ..... <i>For Work In Restricted Working Space, Add</i>	198.09 11.79	19.63
40 05 23 43-0061 EA 1", Type 304, Stainless Steel, Union ..... <i>For Work In Restricted Working Space, Add</i>	210.78 14.07	23.49
<b>40 05 23 43-0062 Male Connectors</b> <small>(40 05 23 43-0037)</small>		
40 05 23 43-0063 EA 1/4" x 1/4", Type 304, Stainless Steel, Male Connection ..... <i>For Work In Restricted Working Space, Add</i>	24.95 4.69	7.85
40 05 23 43-0064 EA 3/8" x 3/8", Type 304, Stainless Steel, Male Connection ..... <i>For Work In Restricted Working Space, Add</i>	31.18 5.13	8.58
40 05 23 43-0065 EA 1/2" x 1/2", Type 304, Stainless Steel, Male Connection ..... <i>For Work In Restricted Working Space, Add</i>	40.44 5.81	9.67
40 05 23 43-0066 EA 5/8" x 5/8" Male Connection, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	45.57 6.51	10.84
40 05 23 43-0067 EA 3/4" x 3/4", Type 304, Stainless Steel, Male Connection ..... <i>For Work In Restricted Working Space, Add</i>	55.10 7.04	11.70
40 05 23 43-0068 EA 7/8" x 7/8", Type 304, Stainless Steel, Male Connection ..... <i>For Work In Restricted Working Space, Add</i>	83.03 7.79	13.01
40 05 23 43-0069 EA 1" x 1", Type 304, Stainless Steel, Male Connection ..... <i>For Work In Restricted Working Space, Add</i>	86.93 9.28	15.48
<b>40 05 23 43-0070 Type 304 Valves</b> <small>(40 05 23 43-0011)</small>		
<b>40 05 23 43-0071 Gate Valves</b> <small>(40 05 23 43-0070)</small>		
40 05 23 43-0072 EA 1/4" Gate Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	155.78 6.35	11.70
40 05 23 43-0073 EA 3/8" Gate Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	265.02 6.69	13.74
40 05 23 43-0074 EA 1/2" Gate Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	273.67 9.28	15.48
40 05 23 43-0075 EA 3/4" Gate Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	303.15 10.64	17.74
40 05 23 43-0076 EA 1" Gate Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	275.59 14.07	23.49
<b>40 05 23 43-0077 Globe Valves</b> <small>(40 05 23 43-0070)</small>		
40 05 23 43-0078 EA 1/4" Globe Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	157.99 6.35	11.70
40 05 23 43-0079 EA 3/8" Globe Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	102.82 6.69	13.74
40 05 23 43-0080 EA 1/2" Globe Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	186.43 9.28	15.48
40 05 23 43-0081 EA 3/4" Globe Valve, Stainless Steel Type 304 ..... <i>For Work In Restricted Working Space, Add</i>	207.34 10.64	17.74

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0082 EA 1" Globe Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	303.36 14.07	23.49
<b>40 05 23 43-0083 Check Valves</b> <small>(40 05 23 43-0070)</small>		
40 05 23 43-0084 EA 1/4" Check Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	222.80 6.35	11.70
40 05 23 43-0085 EA 3/8" Check Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	223.92 6.69	13.74
40 05 23 43-0086 EA 1/2" Check Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	143.65 9.28	15.48
40 05 23 43-0087 EA 3/4" Check Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	149.81 10.64	17.74
40 05 23 43-0088 EA 1" Check Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	164.52 14.07	23.49
<b>40 05 23 43-0089 Plug Valves</b> <small>(40 05 23 43-0070)</small>		
40 05 23 43-0090 EA 1/2" Plug Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	344.95 9.28	15.48
40 05 23 43-0091 EA 3/4" Plug Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	377.39 10.64	17.74
40 05 23 43-0092 EA 1" Plug Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	426.05 14.07	23.49
40 05 23 43-0093 EA 1-1/2" Plug Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	593.99 15.92	26.54
40 05 23 43-0094 EA 2" Plug Valve, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	772.82 21.81	36.35
<b>40 05 23 43-0095 Type 316 Tubing</b> <small>(40 05 23 43-0011)</small>		
<b>40 05 23 43-0096 0.035" Wall</b> <small>(40 05 23 43-0095)</small>		
40 05 23 43-0097 LF 1/4" Stainless Steel Tubing, Type 316, 0.035" Wall..... <i>For Work In Restricted Working Space, Add</i>	5.52 1.17	1.97
40 05 23 43-0098 LF 3/8" Stainless Steel Tubing, Type 316, 0.035" Wall..... <i>For Work In Restricted Working Space, Add</i>	7.20 1.40	2.33
40 05 23 43-0099 LF 1/2" Stainless Steel Tubing, Type 316, 0.035" Wall..... <i>For Work In Restricted Working Space, Add</i>	7.98 1.64	2.76
40 05 23 43-0100 LF 5/8" Stainless Steel Tubing, Type 316, 0.035" Wall..... <i>For Work In Restricted Working Space, Add</i>	13.66 1.87	3.12
40 05 23 43-0101 LF 3/4" Stainless Steel Tubing, Type 316, 0.035" Wall..... <i>For Work In Restricted Working Space, Add</i>	15.51 2.11	3.49
40 05 23 43-0102 LF 7/8" Stainless Steel Tubing, Type 316, 0.035" Wall..... <i>For Work In Restricted Working Space, Add</i>	19.75 2.35	3.93
40 05 23 43-0103 LF 1" Stainless Steel Tubing, Type 316, 0.035" Wall..... <i>For Work In Restricted Working Space, Add</i>	20.68 2.81	4.73
<b>40 05 23 43-0104 0.049" Wall</b> <small>(40 05 23 43-0095)</small>		
40 05 23 43-0105 LF 1/4" Stainless Steel Tubing, Type 316, 0.049" Wall..... <i>For Work In Restricted Working Space, Add</i>	9.75 1.40	2.33
40 05 23 43-0106 LF 3/8" Stainless Steel Tubing, Type 316, 0.049" Wall..... <i>For Work In Restricted Working Space, Add</i>	10.79 1.64	2.76
40 05 23 43-0107 LF 1/2" Stainless Steel Tubing, Type 316, 0.049" Wall..... <i>For Work In Restricted Working Space, Add</i>	12.73 1.87	3.12
40 05 23 43-0108 LF 5/8" Stainless Steel Tubing, Type 316, 0.049" Wall..... <i>For Work In Restricted Working Space, Add</i>	16.63 2.35	3.93
40 05 23 43-0109 LF 3/4" Stainless Steel Tubing, Type 316, 0.049" Wall..... <i>For Work In Restricted Working Space, Add</i>	19.19 2.81	4.73
40 05 23 43-0110 LF 7/8" Stainless Steel Tubing, Type 316, 0.049" Wall..... <i>For Work In Restricted Working Space, Add</i>	24.52 3.28	5.45
40 05 23 43-0111 LF 1" Stainless Steel Tubing, Type 316, 0.049" Wall..... <i>For Work In Restricted Working Space, Add</i>	24.98 3.73	6.18
<b>40 05 23 43-0112 0.065" Wall</b> <small>(40 05 23 43-0095)</small>		
40 05 23 43-0113 LF 1/4" Stainless Steel Tubing, Type 316, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	11.39 1.64	2.76
40 05 23 43-0114 LF 3/8" Stainless Steel Tubing, Type 316, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	12.70 1.87	3.12
40 05 23 43-0115 LF 1/2" Stainless Steel Tubing, Type 316, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	15.94 2.35	3.93
40 05 23 43-0116 LF 5/8" Stainless Steel Tubing, Type 316, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	18.99 2.81	4.73
40 05 23 43-0117 LF 3/4" Stainless Steel Tubing, Type 316, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	23.03 3.28	5.45
40 05 23 43-0118 LF 7/8" Stainless Steel Tubing, Type 316, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	25.35 3.73	6.18
40 05 23 43-0119 LF 1" Stainless Steel Tubing, Type 316, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	29.55 4.19	6.98



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0120				<b>Type 316 Tube Fittings</b> (40 05 23 43-0011)		
40 05 23 43-0121				<b>90 Degree Elbows</b> (40 05 23 43-0120)		
40 05 23 43-0122	EA			1/4" 90 Degree Elbow, Stainless Steel Type 316	46.11	7.85
				<i>For Work In Restricted Working Space, Add</i>	4.69	
40 05 23 43-0123	EA			3/8" 90 Degree Elbow, Stainless Steel Type 316	55.54	8.58
				<i>For Work In Restricted Working Space, Add</i>	5.13	
40 05 23 43-0124	EA			1/2" 90 Degree Elbow, Stainless Steel Type 316	88.29	9.67
				<i>For Work In Restricted Working Space, Add</i>	5.81	
40 05 23 43-0125	EA			5/8" 90 Degree Elbow, Stainless Steel Type 316	93.59	10.84
				<i>For Work In Restricted Working Space, Add</i>	6.51	
40 05 23 43-0126	EA			3/4" 90 Degree Elbow, Stainless Steel Type 316	105.29	11.70
				<i>For Work In Restricted Working Space, Add</i>	7.04	
40 05 23 43-0127	EA			7/8" 90 Degree Elbow, Stainless Steel Type 316	148.22	13.01
				<i>For Work In Restricted Working Space, Add</i>	7.79	
40 05 23 43-0128	EA			1" 90 Degree Elbow, Stainless Steel Type 316	190.30	15.48
				<i>For Work In Restricted Working Space, Add</i>	9.28	
40 05 23 43-0129				<b>Union Tees</b> (40 05 23 43-0120)		
40 05 23 43-0130	EA			1/4" Union Tee, Stainless Steel Type 316	74.15	11.70
				<i>For Work In Restricted Working Space, Add</i>	7.04	
40 05 23 43-0131	EA			3/8" Union Tee, Stainless Steel Type 316	91.73	13.01
				<i>For Work In Restricted Working Space, Add</i>	7.79	
40 05 23 43-0132	EA			1/2" Union Tee, Stainless Steel Type 316	129.96	14.55
				<i>For Work In Restricted Working Space, Add</i>	8.72	
40 05 23 43-0133	EA			5/8" Union Tee, Stainless Steel Type 316	138.57	16.50
				<i>For Work In Restricted Working Space, Add</i>	9.92	
40 05 23 43-0134	EA			3/4" Union Tee, Stainless Steel Type 316	181.91	17.74
				<i>For Work In Restricted Working Space, Add</i>	10.64	
40 05 23 43-0135	EA			7/8" Union Tee, Stainless Steel Type 316	301.36	19.63
				<i>For Work In Restricted Working Space, Add</i>	11.79	
40 05 23 43-0136	EA			1" Union Tee, Stainless Steel Type 316	361.32	23.49
				<i>For Work In Restricted Working Space, Add</i>	14.07	
40 05 23 43-0137				<b>Unions</b> (40 05 23 43-0120)		
40 05 23 43-0138	EA			1/4" Union, Stainless Steel Type 316	47.31	11.70
				<i>For Work In Restricted Working Space, Add</i>	7.04	
40 05 23 43-0139	EA			3/8" Union, Stainless Steel Type 316	60.76	13.01
				<i>For Work In Restricted Working Space, Add</i>	7.79	
40 05 23 43-0140	EA			1/2" Union, Stainless Steel Type 316	81.43	14.55
				<i>For Work In Restricted Working Space, Add</i>	8.72	
40 05 23 43-0141	EA			5/8" Union, Stainless Steel Type 316	98.98	16.50
				<i>For Work In Restricted Working Space, Add</i>	9.92	
40 05 23 43-0142	EA			3/4" Union, Stainless Steel Type 316	117.63	17.74
				<i>For Work In Restricted Working Space, Add</i>	10.64	
40 05 23 43-0143	EA			7/8" Union, Stainless Steel Type 316	179.11	19.63
				<i>For Work In Restricted Working Space, Add</i>	11.79	
40 05 23 43-0144	EA			1" Union, Stainless Steel Type 316	191.19	23.49
				<i>For Work In Restricted Working Space, Add</i>	14.07	
40 05 23 43-0145				<b>Male Connectors</b> (40 05 23 43-0120)		
40 05 23 43-0146	EA			1/4" x 1/4" Male Connector, Stainless Steel Type 316	31.53	7.85
				<i>For Work In Restricted Working Space, Add</i>	4.69	
40 05 23 43-0147	EA			3/8" x 3/8" Male Connector, Stainless Steel Type 316	41.13	8.58
				<i>For Work In Restricted Working Space, Add</i>	5.13	
40 05 23 43-0148	EA			1/2" x 1/2" Male Connector, Stainless Steel Type 316	55.33	9.67
				<i>For Work In Restricted Working Space, Add</i>	5.81	
40 05 23 43-0149	EA			5/8" x 5/8" Male Connector, Stainless Steel Type 316	62.45	10.84
				<i>For Work In Restricted Working Space, Add</i>	6.51	
40 05 23 43-0150	EA			3/4" x 3/4" Male Connector, Stainless Steel Type 316	77.46	11.70
				<i>For Work In Restricted Working Space, Add</i>	7.04	
40 05 23 43-0151	EA			7/8" x 7/8" Male Connector, Stainless Steel Type 316	123.37	13.01
				<i>For Work In Restricted Working Space, Add</i>	7.79	
40 05 23 43-0152	EA			1" x 1" Male Connector, Stainless Steel Type 316	126.52	15.48
				<i>For Work In Restricted Working Space, Add</i>	9.28	
40 05 23 43-0153				<b>Type 316 Valves</b> (40 05 23 43-0011)		
40 05 23 43-0154				<b>Gate Valves</b> (40 05 23 43-0153)		
40 05 23 43-0155	EA			1/4" Gate Valve, Stainless Steel Type 316	199.24	11.70
				<i>For Work In Restricted Working Space, Add</i>	6.35	
40 05 23 43-0156	EA			3/8" Gate Valve, Stainless Steel Type 316	343.39	13.74
				<i>For Work In Restricted Working Space, Add</i>	6.69	
40 05 23 43-0157	EA			1/2" Gate Valve, Stainless Steel Type 316	352.04	15.48
				<i>For Work In Restricted Working Space, Add</i>	9.28	
40 05 23 43-0158	EA			3/4" Gate Valve, Stainless Steel Type 316	389.58	17.74
				<i>For Work In Restricted Working Space, Add</i>	10.64	
40 05 23 43-0159	EA			1" Gate Valve, Stainless Steel Type 316	349.42	23.49
				<i>For Work In Restricted Working Space, Add</i>	14.07	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0160 EA 1-1/4" Gate Valve, Stainless Steel Type 316 .....	483.50	24.35
For Work In Restricted Working Space, Add	14.62	
40 05 23 43-0161 EA 1-1/2" Gate Valve, Stainless Steel Type 316 .....	782.34	26.54
For Work In Restricted Working Space, Add	15.92	
40 05 23 43-0162 EA 2" Gate Valve, Stainless Steel Type 316 .....	928.39	36.35
For Work In Restricted Working Space, Add	21.81	
40 05 23 43-0163 EA 2-1/2" Gate Valve, Stainless Steel Type 316 .....	1,350.97	116.41
For Work In Restricted Working Space, Add	69.83	
<b>40 05 23 43-0164 Globe Valves</b> <small>(40 05 23 43-0153)</small>		
40 05 23 43-0165 EA 1/4" Globe Valve, Stainless Steel Type 316 .....	202.16	11.70
For Work In Restricted Working Space, Add	6.35	
40 05 23 43-0166 EA 3/8" Globe Valve, Stainless Steel Type 316 .....	128.82	13.74
For Work In Restricted Working Space, Add	6.69	
40 05 23 43-0167 EA 1/2" Globe Valve, Stainless Steel Type 316 .....	236.63	15.48
For Work In Restricted Working Space, Add	9.28	
40 05 23 43-0168 EA 3/4" Globe Valve, Stainless Steel Type 316 .....	262.83	17.74
For Work In Restricted Working Space, Add	10.64	
40 05 23 43-0169 EA 1" Globe Valve, Stainless Steel Type 316 .....	386.16	23.49
For Work In Restricted Working Space, Add	14.07	
40 05 23 43-0170 EA 1-1/4" Globe Valve, Stainless Steel Type 316 .....	484.54	24.21
For Work In Restricted Working Space, Add	14.51	
40 05 23 43-0171 EA 1-1/2" Globe Valve, Stainless Steel Type 316 .....	811.51	26.54
For Work In Restricted Working Space, Add	15.92	
40 05 23 43-0172 EA 2" Globe Valve, Stainless Steel Type 316 .....	957.56	36.35
For Work In Restricted Working Space, Add	21.81	
40 05 23 43-0173 EA 2-1/2" Globe Valve, Stainless Steel Type 316 .....	1,166.22	116.41
For Work In Restricted Working Space, Add	69.83	
<b>40 05 23 43-0174 Check Valves</b> <small>(40 05 23 43-0153)</small>		
40 05 23 43-0175 EA 1/4" Check Valve, Stainless Steel Type 316 .....	287.90	11.70
For Work In Restricted Working Space, Add	6.35	
40 05 23 43-0176 EA 3/8" Check Valve, Stainless Steel Type 316 .....	289.02	13.74
For Work In Restricted Working Space, Add	6.69	
40 05 23 43-0177 EA 1/2" Check Valve, Stainless Steel Type 316 .....	180.04	15.48
For Work In Restricted Working Space, Add	9.28	
40 05 23 43-0178 EA 3/4" Check Valve, Stainless Steel Type 316 .....	186.73	17.74
For Work In Restricted Working Space, Add	10.64	
40 05 23 43-0179 EA 1" Check Valve, Stainless Steel Type 316 .....	202.49	23.49
For Work In Restricted Working Space, Add	14.07	
40 05 23 43-0180 EA 1-1/4" Check Valve, Stainless Steel Type 316 .....	283.84	24.35
For Work In Restricted Working Space, Add	14.62	
40 05 23 43-0181 EA 1-1/2" Check Valve, Stainless Steel Type 316 .....	646.21	26.54
For Work In Restricted Working Space, Add	15.92	
40 05 23 43-0182 EA 2" Check Valve, Stainless Steel Type 316 .....	782.54	36.35
For Work In Restricted Working Space, Add	21.81	
40 05 23 43-0183 EA 2-1/2" Check Valve, Stainless Steel Type 316 .....	1,529.24	116.41
For Work In Restricted Working Space, Add	69.83	
<b>40 05 23 43-0184 Diaphragm Valves, Ethylene Propylene Diene Monomer (EPDM) Lined</b> <small>(40 05 23 43-0153)</small>		
40 05 23 43-0185 EA 1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined .....	307.37	15.48
For Work In Restricted Working Space, Add	9.28	
40 05 23 43-0186 EA 3/4" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined .....	359.22	17.74
For Work In Restricted Working Space, Add	10.64	
40 05 23 43-0187 EA 1" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined .....	457.76	23.49
For Work In Restricted Working Space, Add	14.07	
40 05 23 43-0188 EA 1-1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined .....	734.66	26.54
For Work In Restricted Working Space, Add	15.92	
40 05 23 43-0189 EA 2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined .....	1,026.94	36.35
For Work In Restricted Working Space, Add	21.81	
<b>40 05 23 43-0190 Diaphragm Valves, Teflon Lined</b> <small>(40 05 23 43-0153)</small>		
40 05 23 43-0191 EA 1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined .....	409.60	15.48
For Work In Restricted Working Space, Add	9.28	
40 05 23 43-0192 EA 3/4" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined .....	470.93	17.74
For Work In Restricted Working Space, Add	10.64	
40 05 23 43-0193 EA 1" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined .....	569.47	23.49
For Work In Restricted Working Space, Add	14.07	
40 05 23 43-0194 EA 1-1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined .....	891.80	26.54
For Work In Restricted Working Space, Add	15.92	
40 05 23 43-0195 EA 2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined .....	1,214.38	36.35
For Work In Restricted Working Space, Add	21.81	
<b>40 05 23 43-0196 Strainers</b> <small>(40 05 23 43-0153)</small>		
40 05 23 43-0197 EA 1/2" Strainer, Stainless Steel Type 316 .....	410.59	15.48
For Work In Restricted Working Space, Add	9.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0198 EA 3/4" Strainer, Stainless Steel Type 316 .....	491.72	17.81
For Work In Restricted Working Space, Add	10.69	
40 05 23 43-0199 EA 1" Strainer, Stainless Steel Type 316 .....	643.21	23.63
For Work In Restricted Working Space, Add	14.18	
40 05 23 43-0200 EA 1-1/4" Strainer, Stainless Steel Type 316 .....	801.14	24.35
For Work In Restricted Working Space, Add	14.62	
40 05 23 43-0201 EA 1-1/2" Strainer, Stainless Steel Type 316 .....	1,007.55	26.54
For Work In Restricted Working Space, Add	15.92	
40 05 23 43-0202 EA 2" Strainer, Stainless Steel Type 316 .....	1,453.97	36.35
For Work In Restricted Working Space, Add	21.82	
40 05 23 43-0203 EA 2-1/2" Strainer, Stainless Steel Type 316 .....	1,998.95	48.36
For Work In Restricted Working Space, Add	29.01	
40 05 23 43-0204 EA 3" Strainer, Stainless Steel Type 316 .....	2,909.89	72.71
For Work In Restricted Working Space, Add	43.63	
40 05 23 43-0205 EA 4" Strainer, Stainless Steel Type 316 .....	3,713.22	116.34
For Work In Restricted Working Space, Add	69.80	
<b>40 05 23 43-0206 Plug Valves</b> (40 05 23 43-0153)		
40 05 23 43-0207 EA 1/2" Plug Valve, Stainless Steel Type 316 .....	438.03	15.48
For Work In Restricted Working Space, Add	9.28	
40 05 23 43-0208 EA 3/4" Plug Valve, Stainless Steel Type 316 .....	478.75	17.74
For Work In Restricted Working Space, Add	10.64	
40 05 23 43-0209 EA 1" Plug Valve, Stainless Steel Type 316 .....	538.43	23.49
For Work In Restricted Working Space, Add	14.07	
40 05 23 43-0210 EA 1-1/2" Plug Valve, Stainless Steel Type 316 .....	754.33	26.54
For Work In Restricted Working Space, Add	15.92	
40 05 23 43-0211 EA 2" Plug Valve, Stainless Steel Type 316 .....	980.35	36.35
For Work In Restricted Working Space, Add	21.81	
<b>40 05 23 43-0212 Cut And Prepare Existing Pipe In-Place</b> (40 05 23 43-0011)		
Note: For use when connecting pipe to an existing in-place system.		
40 05 23 43-0213 EA Cut And Prepare 1/2" Stainless Steel Pipe .....	14.16	
40 05 23 43-0214 EA Cut And Prepare 3/4" Stainless Steel Pipe .....	15.30	
40 05 23 43-0215 EA Cut And Prepare 1" Stainless Steel Pipe .....	17.20	
40 05 23 43-0216 EA Cut And Prepare 1-1/4" Stainless Steel Pipe .....	18.06	
40 05 23 43-0217 EA Cut And Prepare 1-1/2" Stainless Steel Pipe .....	19.12	
40 05 23 43-0218 EA Cut And Prepare 2" Stainless Steel Pipe .....	20.53	
40 05 23 43-0219 EA Cut And Prepare 2-1/2" Stainless Steel Pipe .....	21.95	
40 05 23 43-0220 EA Cut And Prepare 3" Stainless Steel Pipe .....	24.08	
40 05 23 43-0221 EA Cut And Prepare 4" Stainless Steel Pipe .....	26.20	
40 05 23 43-0222 EA Cut And Prepare 6" Stainless Steel Pipe .....	28.32	
40 05 23 43-0223 EA Cut And Prepare 8" Stainless Steel Pipe .....	30.45	
40 05 23 43-0224 EA Cut And Prepare 10" Stainless Steel Pipe .....	33.28	
40 05 23 43-0225 EA Cut And Prepare 12" Stainless Steel Pipe .....	36.11	
40 05 23 43-0226 EA Cut And Prepare 14" Stainless Steel Pipe .....	38.94	
40 05 23 43-0227 EA Cut And Prepare 16" Stainless Steel Pipe .....	41.77	
40 05 23 43-0228 EA Cut And Prepare 18" Stainless Steel Pipe .....	43.90	
40 05 23 43-0229 EA Cut And Prepare 20" Stainless Steel Pipe .....	46.03	
40 05 23 43-0230 EA Cut And Prepare 24" Stainless Steel Pipe .....	48.86	
<b>40 05 23 43-0231 Stainless Steel Pipe And Fittings</b> (40 05 23 43)		
<b>40 05 23 43-0232 Type 304, Schedule 40 Stainless Steel Pipe And 150 LB Threaded Fittings</b>		
(40 05 23 43-0231)		
<b>40 05 23 43-0233 Type 304, Schedule 40 Stainless Steel Threaded Pipe</b> (40 05 23 43-0232)		
40 05 23 43-0234 LF 1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting .....	11.77	3.12
For Work In Restricted Working Space, Add	1.87	
40 05 23 43-0235 LF 3/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting .....	14.47	3.93
For Work In Restricted Working Space, Add	2.35	
40 05 23 43-0236 LF 1" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting .....	17.83	4.73
For Work In Restricted Working Space, Add	2.81	
40 05 23 43-0237 LF 1-1/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting .....	21.49	5.45
For Work In Restricted Working Space, Add	3.28	
40 05 23 43-0238 LF 1-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting .....	24.91	6.18
For Work In Restricted Working Space, Add	3.73	
40 05 23 43-0239 LF 2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting .....	31.87	7.85
For Work In Restricted Working Space, Add	4.69	
40 05 23 43-0240 LF 2-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting .....	43.70	9.30
For Work In Restricted Working Space, Add	5.59	
40 05 23 43-0241 LF 3" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting .....	54.94	11.70
For Work In Restricted Working Space, Add	7.04	
40 05 23 43-0242 LF 4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting .....	74.52	15.48
For Work In Restricted Working Space, Add	9.28	
<b>40 05 23 43-0243 150#, Type 304 Stainless Steel Threaded 90 Degree Elbows</b> (40 05 23 43-0232)		
40 05 23 43-0244 EA 1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow .....	25.45	11.70
For Work In Restricted Working Space, Add	7.04	
40 05 23 43-0245 EA 3/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow .....	33.78	15.48
For Work In Restricted Working Space, Add	9.28	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0246	EA	1", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	.....	43.44	19.63
		<i>For Work In Restricted Working Space, Add</i>		11.79	
40 05 23 43-0247	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	.....	60.92	26.90
		<i>For Work In Restricted Working Space, Add</i>		16.16	
40 05 23 43-0248	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	.....	72.63	31.63
		<i>For Work In Restricted Working Space, Add</i>		18.97	
40 05 23 43-0249	EA	2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	.....	88.48	38.25
		<i>For Work In Restricted Working Space, Add</i>		22.96	
40 05 23 43-0250	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	.....	148.38	60.56
		<i>For Work In Restricted Working Space, Add</i>		36.36	
40 05 23 43-0251	EA	3", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	.....	191.01	78.16
		<i>For Work In Restricted Working Space, Add</i>		46.91	
40 05 23 43-0252	EA	4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow	.....	261.49	96.92
		<i>For Work In Restricted Working Space, Add</i>		58.17	
<b>40 05 23 43-0253</b>		<b>150#, Type 304 Stainless Steel Threaded 45 Degree Elbows</b> <small>(40 05 23 43-0232)</small>			
40 05 23 43-0254	EA	1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	.....	25.90	11.70
		<i>For Work In Restricted Working Space, Add</i>		7.04	
40 05 23 43-0255	EA	3/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	.....	34.52	15.48
		<i>For Work In Restricted Working Space, Add</i>		9.28	
40 05 23 43-0256	EA	1", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	.....	43.67	19.63
		<i>For Work In Restricted Working Space, Add</i>		11.79	
40 05 23 43-0257	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	.....	60.84	26.90
		<i>For Work In Restricted Working Space, Add</i>		16.16	
40 05 23 43-0258	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	.....	71.53	31.63
		<i>For Work In Restricted Working Space, Add</i>		18.97	
40 05 23 43-0259	EA	2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	.....	88.23	38.25
		<i>For Work In Restricted Working Space, Add</i>		22.96	
40 05 23 43-0260	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	.....	153.33	60.56
		<i>For Work In Restricted Working Space, Add</i>		36.36	
40 05 23 43-0261	EA	3", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	.....	200.67	78.16
		<i>For Work In Restricted Working Space, Add</i>		46.91	
40 05 23 43-0262	EA	4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow	.....	272.74	96.92
		<i>For Work In Restricted Working Space, Add</i>		58.17	
<b>40 05 23 43-0263</b>		<b>150#, Type 304 Stainless Steel Threaded Tees</b> <small>(40 05 23 43-0232)</small>			
40 05 23 43-0264	EA	1/2", 150#, Type 304 Stainless Steel Threaded Tee	.....	38.17	17.74
		<i>For Work In Restricted Working Space, Add</i>		10.64	
40 05 23 43-0265	EA	3/4", 150#, Type 304 Stainless Steel Threaded Tee	.....	51.19	23.49
		<i>For Work In Restricted Working Space, Add</i>		14.07	
40 05 23 43-0266	EA	1", 150#, Type 304 Stainless Steel Threaded Tee	.....	63.61	29.08
		<i>For Work In Restricted Working Space, Add</i>		17.45	
40 05 23 43-0267	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Tee	.....	91.62	40.42
		<i>For Work In Restricted Working Space, Add</i>		24.24	
40 05 23 43-0268	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Tee	.....	104.36	45.44
		<i>For Work In Restricted Working Space, Add</i>		27.27	
40 05 23 43-0269	EA	2", 150#, Type 304 Stainless Steel Threaded Tee	.....	138.49	60.56
		<i>For Work In Restricted Working Space, Add</i>		36.36	
40 05 23 43-0270	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Tee	.....	212.30	87.62
		<i>For Work In Restricted Working Space, Add</i>		52.56	
40 05 23 43-0271	EA	3", 150#, Type 304 Stainless Steel Threaded Tee	.....	288.00	117.28
		<i>For Work In Restricted Working Space, Add</i>		70.37	
40 05 23 43-0272	EA	4", 150#, Type 304 Stainless Steel Threaded Tee	.....	387.38	145.42
		<i>For Work In Restricted Working Space, Add</i>		87.25	
<b>40 05 23 43-0273</b>		<b>150#, Type 304 Stainless Steel Threaded Reducers</b> <small>(40 05 23 43-0232)</small>			
40 05 23 43-0274	EA	3/4", 150#, Type 304 Stainless Steel Threaded Reducer	.....	33.43	15.48
		<i>For Work In Restricted Working Space, Add</i>		9.28	
40 05 23 43-0275	EA	1", 150#, Type 304 Stainless Steel Threaded Reducer	.....	42.71	19.63
		<i>For Work In Restricted Working Space, Add</i>		11.79	
40 05 23 43-0276	EA	1-1/4", 150#, Type 304 Stainless Steel Threaded Reducer	.....	58.85	26.90
		<i>For Work In Restricted Working Space, Add</i>		16.16	
40 05 23 43-0277	EA	1-1/2", 150#, Type 304 Stainless Steel Threaded Reducer	.....	70.40	31.63
		<i>For Work In Restricted Working Space, Add</i>		18.97	
40 05 23 43-0278	EA	2", 150#, Type 304 Stainless Steel Threaded Reducer	.....	88.53	38.25
		<i>For Work In Restricted Working Space, Add</i>		22.96	
40 05 23 43-0279	EA	2-1/2", 150#, Type 304 Stainless Steel Threaded Reducer	.....	146.92	60.56
		<i>For Work In Restricted Working Space, Add</i>		36.36	
40 05 23 43-0280	EA	3", 150#, Type 304 Stainless Steel Threaded Reducer	.....	193.00	78.16
		<i>For Work In Restricted Working Space, Add</i>		46.91	
40 05 23 43-0281	EA	4", 150#, Type 304 Stainless Steel Threaded Reducer	.....	254.58	96.92
		<i>For Work In Restricted Working Space, Add</i>		58.17	
<b>40 05 23 43-0282</b>		<b>150#, Type 304 Stainless Steel Threaded Caps</b> <small>(40 05 23 43-0232)</small>			
40 05 23 43-0283	EA	1/2", 150#, Type 304 Stainless Steel Threaded Cap	.....	13.04	5.89
		<i>For Work In Restricted Working Space, Add</i>		3.52	
40 05 23 43-0284	EA	3/4", 150#, Type 304 Stainless Steel Threaded Cap	.....	17.28	7.85
		<i>For Work In Restricted Working Space, Add</i>		4.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0285 EA 1", 150#, Type 304 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	21.86 5.81	9.67
40 05 23 43-0286 EA 1-1/4", 150#, Type 304 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	31.93 8.23	13.74
40 05 23 43-0287 EA 1-1/2", 150#, Type 304 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	36.83 9.28	15.48
40 05 23 43-0288 EA 2", 150#, Type 304 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	46.81 11.79	19.63
40 05 23 43-0289 EA 2-1/2", 150#, Type 304 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	71.72 17.45	29.08
40 05 23 43-0290 EA 3", 150#, Type 304 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	95.28 22.96	38.25
40 05 23 43-0291 EA 4", 150#, Type 304 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	128.65 29.08	48.50
<b>40 05 23 43-0292 150#, Type 304 Stainless Steel Threaded Unions</b> (40 05 23 43-0232)		
40 05 23 43-0293 EA 1/2", 150#, Type 304 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	41.05 10.64	17.74
40 05 23 43-0294 EA 3/4", 150#, Type 304 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	53.97 14.07	23.49
40 05 23 43-0295 EA 1", 150#, Type 304 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	68.83 17.45	29.08
40 05 23 43-0296 EA 1-1/4", 150#, Type 304 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	99.30 24.24	40.42
40 05 23 43-0297 EA 1-1/2", 150#, Type 304 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	111.80 27.27	45.44
40 05 23 43-0298 EA 2", 150#, Type 304 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	146.24 36.36	60.56
40 05 23 43-0299 EA 2-1/2", 150#, Type 304 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	249.62 54.53	90.89
40 05 23 43-0300 EA 3", 150#, Type 304 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	320.00 70.37	117.28
40 05 23 43-0301 EA 4", 150#, Type 304 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	332.60 58.18	96.95
<b>40 05 23 43-0302 150#, Type 304 Stainless Steel Threaded Couplings</b> (40 05 23 43-0232)		
40 05 23 43-0303 EA 1/2", 150#, Type 304 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	25.25 7.04	11.70
40 05 23 43-0304 EA 3/4", 150#, Type 304 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	33.52 9.28	15.48
40 05 23 43-0305 EA 1", 150#, Type 304 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	43.23 11.79	19.63
40 05 23 43-0306 EA 1-1/4", 150#, Type 304 Stainless Steel Threaded Coupling ..... <i>For Work In Restricted Working Space, Add</i>	60.11 16.16	26.90
40 05 23 43-0307 EA 1-1/2", 150#, Type 304 Stainless Steel Threaded Coupling ..... <i>For Work In Restricted Working Space, Add</i>	70.64 18.97	31.63
40 05 23 43-0308 EA 2", 150#, Type 304 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	87.00 22.96	38.25
40 05 23 43-0309 EA 2-1/2", 150#, Type 304 Stainless Steel Threaded Coupling ..... <i>For Work In Restricted Working Space, Add</i>	144.15 36.36	60.56
40 05 23 43-0310 EA 3", 150#, Type 304 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	186.05 46.91	78.16
40 05 23 43-0311 EA 4", 150#, Type 304 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	240.03 58.17	96.92
<b>40 05 23 43-0312 Type 316, Schedule 40 Stainless Steel Pipe And 150 LB Threaded Fittings</b> (40 05 23 43-0231)		
<b>40 05 23 43-0313 Type 316, Schedule 40 Stainless Steel Threaded Pipe</b> (40 05 23 43-0312)		
40 05 23 43-0314 LF 1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	14.70 1.87	3.12
40 05 23 43-0315 LF 3/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	17.35 2.35	3.93
40 05 23 43-0316 LF 1" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	21.97 2.81	4.73
40 05 23 43-0317 LF 1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	26.91 3.28	5.45
40 05 23 43-0318 LF 1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	31.33 3.73	6.18
40 05 23 43-0319 LF 2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	40.46 4.69	7.85
40 05 23 43-0320 LF 2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	55.72 5.59	9.30
40 05 23 43-0321 LF 3" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	72.86 7.04	11.70
40 05 23 43-0322 LF 4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	97.84 9.28	15.48
<b>40 05 23 43-0323 150#, Type 316 Stainless Steel Threaded 90 Degree Elbows</b> (40 05 23 43-0312)		



**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0324 EA 1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	26.04 7.04	11.70
40 05 23 43-0325 EA 3/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	34.67 9.28	15.48
40 05 23 43-0326 EA 1", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	43.98 11.79	19.63
40 05 23 43-0327 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	61.90 16.16	26.90
40 05 23 43-0328 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	73.94 18.97	31.63
40 05 23 43-0329 EA 2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	90.10 22.96	38.25
40 05 23 43-0330 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	150.96 36.36	60.56
40 05 23 43-0331 EA 3", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	197.33 46.91	78.16
40 05 23 43-0332 EA 4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	269.18 58.17	96.92
<b>40 05 23 43-0333 150#, Type 316 Stainless Steel Threaded 45 Degree Elbows (40 05 23 43-0312)</b>		
40 05 23 43-0334 EA 1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	26.53 7.04	11.70
40 05 23 43-0335 EA 3/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	34.98 9.28	15.48
40 05 23 43-0336 EA 1", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	44.34 11.79	19.63
40 05 23 43-0337 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	61.80 16.16	26.90
40 05 23 43-0338 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	72.67 18.97	31.63
40 05 23 43-0339 EA 2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	89.74 22.96	38.25
40 05 23 43-0340 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	155.76 36.36	60.56
40 05 23 43-0341 EA 3", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	206.27 46.91	78.16
40 05 23 43-0342 EA 4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	287.85 58.17	96.92
<b>40 05 23 43-0343 150#, Type 316 Stainless Steel Threaded Tees (40 05 23 43-0312)</b>		
40 05 23 43-0344 EA 1/2", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	38.81 10.64	17.74
40 05 23 43-0345 EA 3/4", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	51.84 14.07	23.49
40 05 23 43-0346 EA 1", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	64.33 17.45	29.08
40 05 23 43-0347 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	93.10 24.24	40.42
40 05 23 43-0348 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	105.82 27.27	45.44
40 05 23 43-0349 EA 2", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	140.41 36.36	60.56
40 05 23 43-0350 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	220.16 52.56	87.62
40 05 23 43-0351 EA 3", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	298.71 70.37	117.28
40 05 23 43-0352 EA 4", 150#, Type 316 Stainless Steel Threaded Tee..... <i>For Work In Restricted Working Space, Add</i>	395.36 87.25	145.42
<b>40 05 23 43-0353 150#, Type 316 Stainless Steel Threaded Reducers (40 05 23 43-0312)</b>		
40 05 23 43-0354 EA 3/4", 150#, Type 316 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	33.98 9.28	15.48
40 05 23 43-0355 EA 1", 150#, Type 316 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	44.33 11.79	19.63
40 05 23 43-0356 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	59.16 16.16	26.90
40 05 23 43-0357 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	71.99 18.97	31.63
40 05 23 43-0358 EA 2", 150#, Type 316 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	91.32 22.96	38.25
40 05 23 43-0359 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	153.25 36.36	60.56
40 05 23 43-0360 EA 3", 150#, Type 316 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	200.01 46.91	78.16
40 05 23 43-0361 EA 4", 150#, Type 316 Stainless Steel Threaded Reducer ..... <i>For Work In Restricted Working Space, Add</i>	266.25 58.17	96.92
<b>40 05 23 43-0362 150#, Type 316 Stainless Steel Threaded Caps (40 05 23 43-0312)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0363 EA 1/2", 150#, Type 316 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	13.40 3.52	5.89
40 05 23 43-0364 EA 3/4", 150#, Type 316 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	17.55 4.69	7.85
40 05 23 43-0365 EA 1", 150#, Type 316 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	22.33 5.81	9.67
40 05 23 43-0366 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	33.24 8.23	13.74
40 05 23 43-0367 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	38.39 9.28	15.48
40 05 23 43-0368 EA 2", 150#, Type 316 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	48.83 11.79	19.63
40 05 23 43-0369 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	75.06 17.45	29.08
40 05 23 43-0370 EA 3", 150#, Type 316 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	98.68 22.96	38.25
40 05 23 43-0371 EA 4", 150#, Type 316 Stainless Steel Threaded Cap ..... <i>For Work In Restricted Working Space, Add</i>	135.39 29.08	48.50
<b>40 05 23 43-0372 150#, Type 316 Stainless Steel Threaded Unions</b> (40 05 23 43-0312)		
40 05 23 43-0373 EA 1/2", 150#, Type 316 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	41.81 10.64	17.74
40 05 23 43-0374 EA 3/4", 150#, Type 316 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	56.86 14.07	23.49
40 05 23 43-0375 EA 1", 150#, Type 316 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	70.29 17.45	29.08
40 05 23 43-0376 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	101.78 24.24	40.42
40 05 23 43-0377 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	114.71 27.27	45.44
40 05 23 43-0378 EA 2", 150#, Type 316 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	149.60 36.36	60.56
40 05 23 43-0379 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	254.77 54.53	90.89
40 05 23 43-0380 EA 3", 150#, Type 316 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	336.06 70.37	117.28
40 05 23 43-0381 EA 4", 150#, Type 316 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	366.85 58.18	96.95
<b>40 05 23 43-0382 150#, Type 316 Stainless Steel Threaded Couplings</b> (40 05 23 43-0312)		
40 05 23 43-0383 EA 1/2", 150#, Type 316 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	26.46 7.04	11.70
40 05 23 43-0384 EA 3/4", 150#, Type 316 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	34.08 9.28	15.48
40 05 23 43-0385 EA 1", 150#, Type 316 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	43.77 11.79	19.63
40 05 23 43-0386 EA 1-1/4", 150#, Type 316 Stainless Steel Threaded Coupling ..... <i>For Work In Restricted Working Space, Add</i>	60.96 16.16	26.90
40 05 23 43-0387 EA 1-1/2", 150#, Type 316 Stainless Steel Threaded Coupling ..... <i>For Work In Restricted Working Space, Add</i>	71.66 18.97	31.63
40 05 23 43-0388 EA 2", 150#, Type 316 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	88.42 22.96	38.25
40 05 23 43-0389 EA 2-1/2", 150#, Type 316 Stainless Steel Threaded Coupling ..... <i>For Work In Restricted Working Space, Add</i>	149.09 36.36	60.56
40 05 23 43-0390 EA 3", 150#, Type 316 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	192.42 46.91	78.16
40 05 23 43-0391 EA 4", 150#, Type 316 Stainless Steel Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i>	249.58 58.17	96.92
<b>40 05 23 43-0392 Type 304, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings</b> (40 05 23 43-0231)		
<b>40 05 23 43-0393 Type 304, Schedule 10 Stainless Steel Pipe</b> (40 05 23 43-0392)		
40 05 23 43-0394 LF 1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	13.25 1.83	3.05
40 05 23 43-0395 LF 3/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	15.73 2.24	3.72
40 05 23 43-0396 LF 1" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	21.07 2.62	4.40
40 05 23 43-0397 LF 1-1/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	25.68 3.28	5.49
40 05 23 43-0398 LF 1-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	28.54 3.69	6.16
40 05 23 43-0399 LF 2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	35.29 4.58	7.65
40 05 23 43-0400 LF 2-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	42.36 5.23	8.73
40 05 23 43-0401 LF 3" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	50.18 5.89	9.82
40 05 23 43-0402 LF 4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	63.31 6.97	11.65

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0403 LF 6" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	93.07 9.15	15.30
40 05 23 43-0404 LF 8" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	148.66 15.86	24.68
40 05 23 43-0405 LF 10" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	193.05 17.45	27.14
40 05 23 43-0406 LF 12" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	232.75 19.38	30.17
40 05 23 43-0407 LF 14" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	288.66 21.81	33.92
40 05 23 43-0408 LF 16" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	316.80 24.92	38.77
40 05 23 43-0409 LF 18" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	353.64 29.07	45.23
40 05 23 43-0410 LF 20" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	497.18 34.89	54.28
40 05 23 43-0411 LF 24" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	650.53 43.61	67.84
<b>40 05 23 43-0412 Type 304, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbow</b> (40 05 23 43-0392)		
40 05 23 43-0413 EA 1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	80.17 23.15	34.74
40 05 23 43-0414 EA 3/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	84.92 24.58	36.87
40 05 23 43-0415 EA 1", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	93.56 27.01	40.51
40 05 23 43-0416 EA 1-1/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	102.11 29.44	44.16
40 05 23 43-0417 EA 1-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	112.77 32.51	48.77
40 05 23 43-0418 EA 2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	126.02 36.17	54.26
40 05 23 43-0419 EA 2-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	163.63 46.29	69.44
40 05 23 43-0420 EA 3", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	191.94 54.26	81.39
40 05 23 43-0421 EA 4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	234.60 64.94	97.41
40 05 23 43-0422 EA 6", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	318.99 81.12	121.69
40 05 23 43-0423 EA 8", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	504.50 124.61	186.91
40 05 23 43-0424 EA 10", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	745.03 166.14	249.21
40 05 23 43-0425 EA 12", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	1,125.33 249.21	373.82
40 05 23 43-0426 EA 14", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	1,330.78 290.75	436.13
40 05 23 43-0427 EA 16", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	1,563.45 331.66	497.48
40 05 23 43-0428 EA 18", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	1,976.10 415.36	623.04
40 05 23 43-0429 EA 20", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	2,754.95 581.50	872.25
40 05 23 43-0430 EA 24", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	3,954.99 830.71	1,246.08
<b>40 05 23 43-0431 Type 304, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbow</b> (40 05 23 43-0392)		
40 05 23 43-0432 EA 1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	81.05 23.15	34.74
40 05 23 43-0433 EA 3/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	85.80 24.58	36.87
40 05 23 43-0434 EA 1", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	94.62 27.01	40.51
40 05 23 43-0435 EA 1-1/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	103.52 29.44	44.16
40 05 23 43-0436 EA 1-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	112.95 32.51	48.77
40 05 23 43-0437 EA 2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	126.02 36.17	54.26
40 05 23 43-0438 EA 2-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	162.75 46.29	69.44
40 05 23 43-0439 EA 3", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	190.35 54.26	81.39
40 05 23 43-0440 EA 4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	231.61 64.94	97.41
40 05 23 43-0441 EA 6", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	303.32 81.12	121.69
40 05 23 43-0442 EA 8", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	474.29 124.61	186.91



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0443 EA 10", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	691.24 166.14	249.21
40 05 23 43-0444 EA 12", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,040.17 249.21	373.82
40 05 23 43-0445 EA 14", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,226.25 290.75	436.13
40 05 23 43-0446 EA 16", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,434.45 331.66	497.48
40 05 23 43-0447 EA 18", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,806.69 415.36	623.04
40 05 23 43-0448 EA 20", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,526.35 581.50	872.25
40 05 23 43-0449 EA 24", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,630.71 830.71	1,246.08
<b>40 05 23 43-0450 Type 304, Schedule 10 Stainless Steel Butt Weld Tee (40 05 23 43-0392)</b>		
40 05 23 43-0451 EA 1/2", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	107.79 29.43	44.15
40 05 23 43-0452 EA 3/4", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	130.11 36.13	54.20
40 05 23 43-0453 EA 1", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	145.00 40.60	60.89
40 05 23 43-0454 EA 1-1/4", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	165.05 46.29	69.44
40 05 23 43-0455 EA 1-1/2", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	175.32 49.69	74.54
40 05 23 43-0456 EA 2", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	191.04 54.20	81.29
40 05 23 43-0457 EA 2-1/2", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	245.77 64.94	97.41
40 05 23 43-0458 EA 3", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	290.29 81.38	122.07
40 05 23 43-0459 EA 4", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	332.97 91.34	137.01
40 05 23 43-0460 EA 6", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	481.80 121.78	182.67
40 05 23 43-0461 EA 8", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	732.68 166.14	249.21
40 05 23 43-0462 EA 10", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	1,125.33 249.21	373.82
40 05 23 43-0463 EA 12", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	1,447.63 311.52	467.28
40 05 23 43-0464 EA 14", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	1,781.46 374.36	561.54
40 05 23 43-0465 EA 16", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,157.70 456.68	685.01
40 05 23 43-0466 EA 18", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,745.56 581.50	872.25
40 05 23 43-0467 EA 20", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	3,672.52 765.13	1,147.70
40 05 23 43-0468 EA 24", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	5,504.46 1,163.00	1,744.50
<b>40 05 23 43-0469 Type 304, Schedule 10 Stainless Steel Butt Weld Reducing Tees (40 05 23 43-0392)</b>		
40 05 23 43-0470 EA 3/4", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	99.22 24.59	36.88
40 05 23 43-0471 EA 1", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	117.68 30.13	45.20
40 05 23 43-0472 EA 1-1/4", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	144.34 33.86	50.79
40 05 23 43-0473 EA 1-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	150.31 38.60	57.89
40 05 23 43-0474 EA 2", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	157.79 41.48	62.21
40 05 23 43-0475 EA 2-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	203.64 45.20	67.80
40 05 23 43-0476 EA 3", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	240.08 54.18	81.26
40 05 23 43-0477 EA 4", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	296.10 67.71	101.57
40 05 23 43-0478 EA 6", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	387.78 77.37	116.05
40 05 23 43-0479 EA 8", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	689.79 103.84	155.76
40 05 23 43-0480 EA 10", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,139.54 138.46	207.68
40 05 23 43-0481 EA 12", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,627.46 207.68	311.51
40 05 23 43-0482 EA 14", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,974.72 249.50	374.25
40 05 23 43-0483 EA 16", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,446.02 304.34	456.52

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0484 EA 18", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,159.02 387.67	581.50
40 05 23 43-0485 EA 20", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	4,495.87 510.09	765.13
40 05 23 43-0486 EA 24", Type 304, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	7,034.62 774.65	1,161.97
<b>40 05 23 43-0487 Type 304, Schedule 10 Stainless Steel Butt Weld Reducers</b> (40 05 23 43-0392)		
40 05 23 43-0488 EA 3/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	80.52 22.36	33.55
40 05 23 43-0489 EA 1", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	88.61 24.37	36.55
40 05 23 43-0490 EA 1-1/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	98.23 27.01	40.51
40 05 23 43-0491 EA 1-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	104.65 29.44	44.16
40 05 23 43-0492 EA 2", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	114.18 32.51	48.77
40 05 23 43-0493 EA 2-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	152.67 40.63	60.94
40 05 23 43-0494 EA 3", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	172.65 46.25	69.38
40 05 23 43-0495 EA 4", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	201.81 54.20	81.29
40 05 23 43-0496 EA 6", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	260.27 69.00	103.50
40 05 23 43-0497 EA 8", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	380.91 99.69	149.53
40 05 23 43-0498 EA 10", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	484.74 124.61	186.91
40 05 23 43-0499 EA 12", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	652.08 166.14	249.21
40 05 23 43-0500 EA 14", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	931.27 218.06	327.09
40 05 23 43-0501 EA 16", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,089.54 248.51	372.76
40 05 23 43-0502 EA 18", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,340.81 311.52	467.28
40 05 23 43-0503 EA 20", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,884.13 415.36	623.04
40 05 23 43-0504 EA 24", Type 304, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,714.79 623.04	934.55
40 05 23 43-0505 EA 3/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	97.07 22.36	33.55
40 05 23 43-0506 EA 1", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	100.76 24.37	36.55
40 05 23 43-0507 EA 1-1/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	106.55 27.01	40.51
40 05 23 43-0508 EA 1-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	119.79 29.44	44.16
40 05 23 43-0509 EA 2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	125.09 32.51	48.77
40 05 23 43-0510 EA 2-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	164.64 40.63	60.94
40 05 23 43-0511 EA 3", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	184.44 46.25	69.38
40 05 23 43-0512 EA 4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	210.93 54.20	81.29
40 05 23 43-0513 EA 6", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	293.18 69.00	103.50
40 05 23 43-0514 EA 8", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	451.46 99.69	149.53
40 05 23 43-0515 EA 10", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	622.36 124.61	186.91
40 05 23 43-0516 EA 12", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	779.24 166.14	249.21
40 05 23 43-0517 EA 14", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,224.62 218.06	327.09
40 05 23 43-0518 EA 16", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,425.67 248.51	372.76
40 05 23 43-0519 EA 18", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,751.04 311.52	467.28
40 05 23 43-0520 EA 20", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,541.51 415.36	623.04
40 05 23 43-0521 EA 24", Type 304, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,586.02 623.04	934.55
<b>40 05 23 43-0522 Type 304, Schedule 10 Stainless Steel Butt Weld Caps</b> (40 05 23 43-0392)		
40 05 23 43-0523 EA 1/2", Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	44.06 11.58	17.36
40 05 23 43-0524 EA 3/4", Type 304, Schedule 10 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	48.35 12.29	18.44



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0525 EA 1", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	53.12 13.51	20.26
40 05 23 43-0526 EA 1-1/4", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	58.48 14.72	22.08
40 05 23 43-0527 EA 1-1/2", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	62.81 16.26	24.38
40 05 23 43-0528 EA 2", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	67.86 18.09	27.13
40 05 23 43-0529 EA 2-1/2", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	88.07 23.15	34.72
40 05 23 43-0530 EA 3", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	99.76 27.13	40.70
40 05 23 43-0531 EA 4", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	120.21 32.47	48.71
40 05 23 43-0532 EA 6", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	154.96 40.63	60.94
40 05 23 43-0533 EA 8", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	242.85 62.30	93.45
40 05 23 43-0534 EA 10", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	323.36 83.07	124.61
40 05 23 43-0535 EA 12", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	475.90 124.61	186.90
40 05 23 43-0536 EA 14", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	558.79 145.38	218.06
40 05 23 43-0537 EA 16", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	648.46 165.83	248.74
40 05 23 43-0538 EA 18", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	819.38 207.68	311.51
40 05 23 43-0539 EA 20", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	1,130.80 290.75	436.13
40 05 23 43-0540 EA 24", Type 304, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	1,669.33 415.36	623.03
<b>40 05 23 43-0541 Type 304, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 43-0531)</b>		
<b>40 05 23 43-0542 Type 304, Schedule 40 Stainless Steel Pipe (40 05 23 43-0541)</b>		
40 05 23 43-0543 LF 1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	15.01 1.83	3.05
40 05 23 43-0544 LF 3/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	18.23 2.24	3.72
40 05 23 43-0545 LF 1" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	22.42 2.62	4.40
40 05 23 43-0546 LF 1-1/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	28.03 3.28	5.42
40 05 23 43-0547 LF 1-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	32.35 3.69	6.09
40 05 23 43-0548 LF 2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	41.57 4.58	7.78
40 05 23 43-0549 LF 2-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	51.94 5.23	8.80
40 05 23 43-0550 LF 3" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	50.01 5.89	9.82
40 05 23 43-0551 LF 4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	84.67 6.97	11.51
40 05 23 43-0552 LF 6" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	133.15 9.15	15.23
40 05 23 43-0553 LF 8" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	228.82 15.86	24.56
40 05 23 43-0554 LF 10" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	292.76 17.45	27.14
40 05 23 43-0555 LF 12" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	367.65 19.38	30.04
<b>40 05 23 43-0556 Type 304, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows (40 05 23 43-0541)</b>		
40 05 23 43-0557 EA 1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	80.88 23.15	34.74
40 05 23 43-0558 EA 3/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	85.63 24.58	36.87
40 05 23 43-0559 EA 1", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	94.09 27.01	40.51
40 05 23 43-0560 EA 1-1/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	102.49 29.44	44.16
40 05 23 43-0561 EA 1-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	113.12 32.51	48.77
40 05 23 43-0562 EA 2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	127.25 36.17	54.26
40 05 23 43-0563 EA 2-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	168.20 46.29	69.44
40 05 23 43-0564 EA 3", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	198.63 54.26	81.39

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0565 EA 4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow.....	245.86	97.41
<i>For Work In Restricted Working Space, Add</i>	64.94	
40 05 23 43-0566 EA 6", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow.....	390.97	121.69
<i>For Work In Restricted Working Space, Add</i>	81.12	
40 05 23 43-0567 EA 8", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow.....	602.59	186.91
<i>For Work In Restricted Working Space, Add</i>	124.61	
40 05 23 43-0568 EA 10", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow.....	944.05	249.21
<i>For Work In Restricted Working Space, Add</i>	166.14	
40 05 23 43-0569 EA 12", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow.....	1,383.46	373.82
<i>For Work In Restricted Working Space, Add</i>	249.21	
40 05 23 43-0570 EA 14", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow.....	1,643.92	436.13
<i>For Work In Restricted Working Space, Add</i>	290.75	
40 05 23 43-0571 EA 16", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow.....	1,965.73	497.48
<i>For Work In Restricted Working Space, Add</i>	331.66	
40 05 23 43-0572 EA 18", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow.....	2,535.05	623.04
<i>For Work In Restricted Working Space, Add</i>	415.36	
40 05 23 43-0573 EA 20", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow.....	3,444.85	872.25
<i>For Work In Restricted Working Space, Add</i>	581.50	
40 05 23 43-0574 EA 24", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow.....	4,939.25	1,246.08
<i>For Work In Restricted Working Space, Add</i>	830.71	
<b>40 05 23 43-0575 Type 304, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows (40 05 23 43-0541)</b>		
40 05 23 43-0576 EA 1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	82.11	34.74
<i>For Work In Restricted Working Space, Add</i>	23.15	
40 05 23 43-0577 EA 3/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	86.86	36.87
<i>For Work In Restricted Working Space, Add</i>	24.58	
40 05 23 43-0578 EA 1", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	94.97	40.51
<i>For Work In Restricted Working Space, Add</i>	27.01	
40 05 23 43-0579 EA 1-1/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	103.39	44.16
<i>For Work In Restricted Working Space, Add</i>	29.44	
40 05 23 43-0580 EA 1-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	114.00	48.77
<i>For Work In Restricted Working Space, Add</i>	32.51	
40 05 23 43-0581 EA 2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	127.44	54.26
<i>For Work In Restricted Working Space, Add</i>	36.17	
40 05 23 43-0582 EA 2-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	168.20	69.44
<i>For Work In Restricted Working Space, Add</i>	46.29	
40 05 23 43-0583 EA 3", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	193.70	81.39
<i>For Work In Restricted Working Space, Add</i>	54.26	
40 05 23 43-0584 EA 4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	248.50	97.41
<i>For Work In Restricted Working Space, Add</i>	64.94	
40 05 23 43-0585 EA 6", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	330.95	121.69
<i>For Work In Restricted Working Space, Add</i>	81.12	
40 05 23 43-0586 EA 8", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	539.67	186.91
<i>For Work In Restricted Working Space, Add</i>	124.61	
40 05 23 43-0587 EA 10", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	786.86	249.21
<i>For Work In Restricted Working Space, Add</i>	166.14	
40 05 23 43-0588 EA 12", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	1,151.57	373.82
<i>For Work In Restricted Working Space, Add</i>	249.21	
40 05 23 43-0589 EA 14", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	1,304.81	436.13
<i>For Work In Restricted Working Space, Add</i>	290.75	
40 05 23 43-0590 EA 16", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	1,561.98	497.48
<i>For Work In Restricted Working Space, Add</i>	331.66	
40 05 23 43-0591 EA 18", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	1,971.77	623.04
<i>For Work In Restricted Working Space, Add</i>	415.36	
40 05 23 43-0592 EA 20", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	2,684.79	872.25
<i>For Work In Restricted Working Space, Add</i>	581.50	
40 05 23 43-0593 EA 24", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow.....	3,899.72	1,246.08
<i>For Work In Restricted Working Space, Add</i>	830.71	
<b>40 05 23 43-0594 Type 304, Schedule 40 Stainless Steel Butt Weld Tees (40 05 23 43-0541)</b>		
40 05 23 43-0595 EA 1/2", Type 304, Schedule 40 Stainless Steel Tee.....	108.49	44.15
<i>For Work In Restricted Working Space, Add</i>	29.43	
40 05 23 43-0596 EA 3/4", Type 304, Schedule 40 Stainless Steel Tee.....	130.81	54.20
<i>For Work In Restricted Working Space, Add</i>	36.13	
40 05 23 43-0597 EA 1", Type 304, Schedule 40 Stainless Steel Tee.....	145.70	60.89
<i>For Work In Restricted Working Space, Add</i>	40.60	
40 05 23 43-0598 EA 1-1/4", Type 304, Schedule 40 Stainless Steel Tee.....	166.84	69.44
<i>For Work In Restricted Working Space, Add</i>	46.29	
40 05 23 43-0599 EA 1-1/2", Type 304, Schedule 40 Stainless Steel Tee.....	176.02	74.54
<i>For Work In Restricted Working Space, Add</i>	49.69	
40 05 23 43-0600 EA 2", Type 304, Schedule 40 Stainless Steel Tee.....	191.92	81.29
<i>For Work In Restricted Working Space, Add</i>	54.20	
40 05 23 43-0601 EA 2-1/2", Type 304, Schedule 40 Stainless Steel Tee.....	248.15	97.41
<i>For Work In Restricted Working Space, Add</i>	64.94	
40 05 23 43-0602 EA 3", Type 304, Schedule 40 Stainless Steel Tee.....	293.98	122.07
<i>For Work In Restricted Working Space, Add</i>	81.38	
40 05 23 43-0603 EA 4", Type 304, Schedule 40 Stainless Steel Tee.....	337.02	137.01
<i>For Work In Restricted Working Space, Add</i>	91.34	
40 05 23 43-0604 EA 6", Type 304, Schedule 40 Stainless Steel Tee.....	509.78	182.67
<i>For Work In Restricted Working Space, Add</i>	121.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0605 EA 8", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	815.74 166.14	249.21
40 05 23 43-0606 EA 10", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	1,380.24 249.21	373.82
40 05 23 43-0607 EA 12", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	1,716.41 311.52	467.28
40 05 23 43-0608 EA 14", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,323.05 374.36	561.54
40 05 23 43-0609 EA 16", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,948.39 456.68	685.01
40 05 23 43-0610 EA 18", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	3,819.11 581.50	872.25
40 05 23 43-0611 EA 20", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	4,931.78 765.13	1,147.70
40 05 23 43-0612 EA 24", Type 304, Schedule 40 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	7,549.65 1,163.00	1,744.50
 <b>40 05 23 43-0613 Type 304, Schedule 40 Stainless Steel Butt Weld Reducing Tees <small>(40 05 23 43-0541)</small></b>		
40 05 23 43-0614 EA 3/4", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	101.51 24.59	36.88
40 05 23 43-0615 EA 1", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	119.97 30.13	45.20
40 05 23 43-0616 EA 1-1/4", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	155.35 33.86	50.79
40 05 23 43-0617 EA 1-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	153.65 38.60	57.89
40 05 23 43-0618 EA 2", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	157.79 41.48	62.21
40 05 23 43-0619 EA 2-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	192.39 45.20	67.80
40 05 23 43-0620 EA 3", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	215.26 54.18	81.26
40 05 23 43-0621 EA 4", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	283.08 67.71	101.57
40 05 23 43-0622 EA 6", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	389.89 77.37	116.05
40 05 23 43-0623 EA 8", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	615.09 103.84	155.76
40 05 23 43-0624 EA 10", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,162.91 138.46	207.68
40 05 23 43-0625 EA 12", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,674.22 207.68	311.51
40 05 23 43-0626 EA 14", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,909.11 249.50	374.25
40 05 23 43-0627 EA 16", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,363.85 304.34	456.52
40 05 23 43-0628 EA 18", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,051.87 387.67	581.50
40 05 23 43-0629 EA 20", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	4,335.40 510.09	765.13
40 05 23 43-0630 EA 24", Type 304, Schedule 40 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	6,779.06 774.65	1,161.97
 <b>40 05 23 43-0631 Type 304, Schedule 40 Stainless Steel Butt Weld Reducers <small>(40 05 23 43-0541)</small></b>		
40 05 23 43-0632 EA 3/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	82.28 22.36	33.55
40 05 23 43-0633 EA 1", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	90.37 24.37	36.55
40 05 23 43-0634 EA 1-1/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	98.36 27.01	40.51
40 05 23 43-0635 EA 1-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	106.41 29.44	44.16
40 05 23 43-0636 EA 2", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	115.23 32.51	48.77
40 05 23 43-0637 EA 2-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	152.67 40.63	60.94
40 05 23 43-0638 EA 3", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	166.31 46.25	69.38
40 05 23 43-0639 EA 4", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	192.80 54.20	81.29
40 05 23 43-0640 EA 6", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	261.68 69.00	103.50
40 05 23 43-0641 EA 8", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	410.80 99.69	149.53
40 05 23 43-0642 EA 10", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	536.06 124.61	186.91
40 05 23 43-0643 EA 12", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	697.89 166.14	249.21
40 05 23 43-0644 EA 14", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,034.07 218.06	327.09
40 05 23 43-0645 EA 16", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,218.77 248.51	372.76



**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0646 EA 18", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,602.50 311.52	467.28
40 05 23 43-0647 EA 20", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,192.81 415.36	623.04
40 05 23 43-0648 EA 24", Type 304, Schedule 40 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	3,034.46 623.04	934.55
40 05 23 43-0649 EA 3/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	97.78 22.36	33.55
40 05 23 43-0650 EA 1", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	104.45 24.37	36.55
40 05 23 43-0651 EA 1-1/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	119.22 27.01	40.51
40 05 23 43-0652 EA 1-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	126.30 29.44	44.16
40 05 23 43-0653 EA 2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	135.12 32.51	48.77
40 05 23 43-0654 EA 2-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	164.64 40.63	60.94
40 05 23 43-0655 EA 3", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	206.27 46.25	69.38
40 05 23 43-0656 EA 4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	225.72 54.20	81.29
40 05 23 43-0657 EA 6", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	307.79 69.00	103.50
40 05 23 43-0658 EA 8", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	452.99 99.69	149.53
40 05 23 43-0659 EA 10", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	621.03 124.61	186.91
40 05 23 43-0660 EA 12", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	848.43 166.14	249.21
40 05 23 43-0661 EA 14", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,403.07 218.06	327.09
40 05 23 43-0662 EA 16", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,591.19 248.51	372.76
40 05 23 43-0663 EA 18", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,084.30 311.52	467.28
40 05 23 43-0664 EA 20", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,705.98 415.36	623.04
40 05 23 43-0665 EA 24", Type 304, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	4,315.01 623.04	934.55
<b>40 05 23 43-0666 Type 304, Schedule 40 Stainless Steel Butt Weld Caps (40 05 23 43-0541)</b>		
40 05 23 43-0667 EA 1/2", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	44.58 11.58	17.36
40 05 23 43-0668 EA 3/4", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	47.82 12.29	18.44
40 05 23 43-0669 EA 1", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	53.64 13.51	20.26
40 05 23 43-0670 EA 1-1/4", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	60.84 14.72	22.08
40 05 23 43-0671 EA 1-1/2", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	65.10 16.26	24.38
40 05 23 43-0672 EA 2", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	67.68 18.09	27.13
40 05 23 43-0673 EA 2-1/2", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	86.89 23.15	34.72
40 05 23 43-0674 EA 3", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	100.46 27.13	40.70
40 05 23 43-0675 EA 4", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	122.32 32.47	48.71
40 05 23 43-0676 EA 6", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	167.98 40.63	60.94
40 05 23 43-0677 EA 8", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	263.76 62.30	93.45
40 05 23 43-0678 EA 10", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	352.93 83.07	124.61
40 05 23 43-0679 EA 12", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	532.26 124.61	186.90
40 05 23 43-0680 EA 14", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	610.41 145.38	218.06
40 05 23 43-0681 EA 16", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	719.47 165.83	248.74
40 05 23 43-0682 EA 18", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	903.54 207.68	311.51
40 05 23 43-0683 EA 20", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,243.03 290.75	436.13
40 05 23 43-0684 EA 24", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,856.98 415.36	623.03
<b>40 05 23 43-0685 Type 316, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 43-0231)</b>		
<b>40 05 23 43-0686 Type 316, Schedule 10 Stainless Steel Pipe (40 05 23 43-0685)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0687 LF 1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	15.49 1.83	3.05
40 05 23 43-0688 LF 3/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	18.32 2.24	3.72
40 05 23 43-0689 LF 1" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	24.93 2.62	4.40
40 05 23 43-0690 LF 1-1/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	30.29 3.28	5.49
40 05 23 43-0691 LF 1-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	33.61 3.69	6.16
40 05 23 43-0692 LF 2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	41.55 4.58	7.65
40 05 23 43-0693 LF 2-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	50.14 5.23	8.73
40 05 23 43-0694 LF 3" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	59.72 5.89	9.82
40 05 23 43-0695 LF 4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	75.83 6.97	11.65
40 05 23 43-0696 LF 6" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	112.61 9.15	15.30
40 05 23 43-0697 LF 8" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	178.58 15.86	24.68
40 05 23 43-0698 LF 10" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	235.18 17.45	27.14
40 05 23 43-0699 LF 12" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	285.26 19.38	30.17
40 05 23 43-0700 LF 14" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	356.10 21.81	33.92
40 05 23 43-0701 LF 16" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	389.80 24.92	38.77
40 05 23 43-0702 LF 18" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	433.82 29.07	45.23
40 05 23 43-0703 LF 20" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	616.13 34.89	54.28
40 05 23 43-0704 LF 24" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	808.29 43.61	67.84
<b>40 05 23 43-0705 Type 316, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbows (40 05 23 43-0685)</b>		
40 05 23 43-0706 EA 1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	81.05 23.15	34.74
40 05 23 43-0707 EA 3/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	85.80 24.58	36.87
40 05 23 43-0708 EA 1", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	94.62 27.01	40.51
40 05 23 43-0709 EA 1-1/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	103.64 29.44	44.16
40 05 23 43-0710 EA 1-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	113.83 32.51	48.77
40 05 23 43-0711 EA 2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	127.25 36.17	54.26
40 05 23 43-0712 EA 2-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	165.92 46.29	69.44
40 05 23 43-0713 EA 3", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	195.28 54.26	81.39
40 05 23 43-0714 EA 4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	239.70 64.94	97.41
40 05 23 43-0715 EA 6", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	332.36 81.12	121.69
40 05 23 43-0716 EA 8", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	529.41 124.61	186.91
40 05 23 43-0717 EA 10", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	802.62 166.14	249.21
40 05 23 43-0718 EA 12", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,203.84 249.21	373.82
40 05 23 43-0719 EA 14", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,404.66 290.75	436.13
40 05 23 43-0720 EA 16", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,680.30 331.66	497.48
40 05 23 43-0721 EA 18", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,116.22 415.36	623.04
40 05 23 43-0722 EA 20", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,955.11 581.50	872.25
40 05 23 43-0723 EA 24", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	4,252.41 830.71	1,246.08
<b>40 05 23 43-0724 Type 316, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbows (40 05 23 43-0685)</b>		
40 05 23 43-0725 EA 1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	82.11 23.15	34.74
40 05 23 43-0726 EA 3/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	86.86 24.58	36.87

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0727 EA 1", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	95.67 27.01	40.51
40 05 23 43-0728 EA 1-1/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	105.05 29.44	44.16
40 05 23 43-0729 EA 1-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	113.83 32.51	48.77
40 05 23 43-0730 EA 2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	127.25 36.17	54.26
40 05 23 43-0731 EA 2-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	164.86 46.29	69.44
40 05 23 43-0732 EA 3", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	193.70 54.26	81.39
40 05 23 43-0733 EA 4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	236.01 64.94	97.41
40 05 23 43-0734 EA 6", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	310.54 81.12	121.69
40 05 23 43-0735 EA 8", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	490.25 124.61	186.91
40 05 23 43-0736 EA 10", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	786.86 166.14	249.21
40 05 23 43-0737 EA 12", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,151.57 249.21	373.82
40 05 23 43-0738 EA 14", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,355.67 290.75	436.13
40 05 23 43-0739 EA 16", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,590.50 331.66	497.48
40 05 23 43-0740 EA 18", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,010.46 415.36	623.04
40 05 23 43-0741 EA 20", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,860.09 581.50	872.25
40 05 23 43-0742 EA 24", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	4,125.85 830.71	1,246.08
<b>40 05 23 43-0743 Type 316, Schedule 10 Stainless Steel Butt Weld Tees (40 05 23 43-0685)</b>		
40 05 23 43-0744 EA 1/2", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	110.08 29.43	44.15
40 05 23 43-0745 EA 3/4", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	132.40 36.13	54.20
40 05 23 43-0746 EA 1", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	147.29 40.60	60.89
40 05 23 43-0747 EA 1-1/4", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	169.28 46.29	69.44
40 05 23 43-0748 EA 1-1/2", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	178.66 49.69	74.54
40 05 23 43-0749 EA 2", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	194.04 54.20	81.29
40 05 23 43-0750 EA 2-1/2", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	236.18 64.94	97.41
40 05 23 43-0751 EA 3", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	296.10 81.38	122.07
40 05 23 43-0752 EA 4", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	340.89 91.34	137.01
40 05 23 43-0753 EA 6", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	504.50 121.78	182.67
40 05 23 43-0754 EA 8", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	792.36 166.14	249.21
40 05 23 43-0755 EA 10", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	1,239.95 249.21	373.82
40 05 23 43-0756 EA 12", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	1,599.50 311.52	467.28
40 05 23 43-0757 EA 14", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,063.06 374.36	561.54
40 05 23 43-0758 EA 16", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,430.41 456.68	685.01
40 05 23 43-0759 EA 18", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	3,088.68 581.50	872.25
40 05 23 43-0760 EA 20", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	4,172.89 765.13	1,147.70
40 05 23 43-0761 EA 24", Type 316, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	5,943.31 1,163.00	1,744.50
<b>40 05 23 43-0762 Type 316, Schedule 10 Stainless Steel Butt Weld Reducing Tees (40 05 23 43-0685)</b>		
40 05 23 43-0763 EA 3/4", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	104.67 24.59	36.88
40 05 23 43-0764 EA 1", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	124.19 30.13	45.20
40 05 23 43-0765 EA 1-1/4", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	152.27 33.86	50.79
40 05 23 43-0766 EA 1-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	155.76 38.60	57.89
40 05 23 43-0767 EA 2", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	165.35 41.48	62.21



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0768 EA 2-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	226.52 45.20	67.80
40 05 23 43-0769 EA 3", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	219.49 54.18	81.26
40 05 23 43-0770 EA 4", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	296.10 67.71	101.57
40 05 23 43-0771 EA 6", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	420.34 77.37	116.05
40 05 23 43-0772 EA 8", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	784.46 103.84	155.76
40 05 23 43-0773 EA 10", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,455.26 138.46	207.68
40 05 23 43-0774 EA 12", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,896.42 207.68	311.51
40 05 23 43-0775 EA 14", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,152.92 249.50	374.25
40 05 23 43-0776 EA 16", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,669.19 304.34	456.52
40 05 23 43-0777 EA 18", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,450.05 387.67	581.50
40 05 23 43-0778 EA 20", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	4,931.68 510.09	765.13
40 05 23 43-0779 EA 24", Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	7,728.74 774.65	1,161.97
<b>40 05 23 43-0780 Type 316, Schedule 10 Stainless Steel Butt Weld Reducers (40 05 23 43-0685)</b>		
40 05 23 43-0781 EA 3/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	82.11 22.36	33.55
40 05 23 43-0782 EA 1", Type 316, Schedule 10 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	90.55 24.37	36.55
40 05 23 43-0783 EA 1-1/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	101.05 27.01	40.51
40 05 23 43-0784 EA 1-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	105.88 29.44	44.16
40 05 23 43-0785 EA 2", Type 316, Schedule 10 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	115.23 32.51	48.77
40 05 23 43-0786 EA 2-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	151.93 40.63	60.94
40 05 23 43-0787 EA 3", Type 316, Schedule 10 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	176.87 46.25	69.38
40 05 23 43-0788 EA 4", Type 316, Schedule 10 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	194.06 54.20	81.29
40 05 23 43-0789 EA 6", Type 316, Schedule 10 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	268.90 69.00	103.50
40 05 23 43-0790 EA 8", Type 316, Schedule 10 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	389.93 99.69	149.53
40 05 23 43-0791 EA 10", Type 316, Schedule 10 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	505.85 124.61	186.91
40 05 23 43-0792 EA 12", Type 316, Schedule 10 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	676.99 166.14	249.21
40 05 23 43-0793 EA 14", Type 316, Schedule 10 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	965.57 218.06	327.09
40 05 23 43-0794 EA 16", Type 316, Schedule 10 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	1,122.02 248.51	372.76
40 05 23 43-0795 EA 18", Type 316, Schedule 10 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	1,388.55 311.52	467.28
40 05 23 43-0796 EA 20", Type 316, Schedule 10 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	1,957.90 415.36	623.04
40 05 23 43-0797 EA 24", Type 316, Schedule 10 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	2,845.58 623.04	934.55
40 05 23 43-0798 EA 3/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	95.79 22.36	33.55
40 05 23 43-0799 EA 1", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	106.80 24.37	36.55
40 05 23 43-0800 EA 1-1/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	120.31 27.01	40.51
40 05 23 43-0801 EA 1-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	128.41 29.44	44.16
40 05 23 43-0802 EA 2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	129.14 32.51	48.77
40 05 23 43-0803 EA 2-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	171.15 40.63	60.94
40 05 23 43-0804 EA 3", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	196.59 46.25	69.38
40 05 23 43-0805 EA 4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	220.79 54.20	81.29
40 05 23 43-0806 EA 6", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	314.83 69.00	103.50
40 05 23 43-0807 EA 8", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	489.48 99.69	149.53
40 05 23 43-0808 EA 10", Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	677.29 124.61	186.91

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0809 EA 12", Type 316, Schedule 10 Stainless Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	854.89 166.14	249.21
40 05 23 43-0810 EA 14", Type 316, Schedule 10 Stainless Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	1,302.94 218.06	327.09
40 05 23 43-0811 EA 16", Type 316, Schedule 10 Stainless Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	1,529.78 248.51	372.76
40 05 23 43-0812 EA 18", Type 316, Schedule 10 Stainless Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	1,895.17 311.52	467.28
40 05 23 43-0813 EA 20", Type 316, Schedule 10 Stainless Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	2,768.14 415.36	623.04
40 05 23 43-0814 EA 24", Type 316, Schedule 10 Stainless Steel Eccentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	3,807.80 623.04	934.55
<b>40 05 23 43-0815 Type 316, Schedule 10 Stainless Steel Butt Weld Caps (40 05 23 43-0685)</b>		
40 05 23 43-0816 EA 1/2", Type 316, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	46.34 11.58	17.36
40 05 23 43-0817 EA 3/4", Type 316, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	51.34 12.29	18.44
40 05 23 43-0818 EA 1", Type 316, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	56.28 13.51	20.26
40 05 23 43-0819 EA 1-1/4", Type 316, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	61.54 14.72	22.08
40 05 23 43-0820 EA 1-1/2", Type 316, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	66.51 16.26	24.38
40 05 23 43-0821 EA 2", Type 316, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	69.97 18.09	27.13
40 05 23 43-0822 EA 2-1/2", Type 316, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	87.40 23.15	34.72
40 05 23 43-0823 EA 3", Type 316, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	103.45 27.13	40.70
40 05 23 43-0824 EA 4", Type 316, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	123.90 32.47	48.71
40 05 23 43-0825 EA 6", Type 316, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	161.47 40.63	60.94
40 05 23 43-0826 EA 8", Type 316, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	254.44 62.30	93.45
40 05 23 43-0827 EA 10", Type 316, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	337.44 83.07	124.61
40 05 23 43-0828 EA 12", Type 316, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	496.50 124.61	186.90
40 05 23 43-0829 EA 14", Type 316, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	577.36 145.38	218.06
40 05 23 43-0830 EA 16", Type 316, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	664.15 165.83	248.74
40 05 23 43-0831 EA 18", Type 316, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	837.36 207.68	311.51
40 05 23 43-0832 EA 20", Type 316, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	1,159.48 290.75	436.13
40 05 23 43-0833 EA 24", Type 316, Schedule 10 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	1,757.63 415.36	623.03
<b>40 05 23 43-0834 Type 316, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 43-0231)</b>		
<b>40 05 23 43-0835 Type 316, Schedule 40 Stainless Steel Pipe (40 05 23 43-0834)</b>		
40 05 23 43-0836 LF 1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	17.99 1.83	3.05
40 05 23 43-0837 LF 3/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	21.83 2.24	3.72
40 05 23 43-0838 LF 1" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	26.99 2.62	4.40
40 05 23 43-0839 LF 1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	33.75 3.28	5.42
40 05 23 43-0840 LF 1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	39.05 3.69	6.09
40 05 23 43-0841 LF 2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	50.38 4.58	7.78
40 05 23 43-0842 LF 2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	63.48 5.23	8.80
40 05 23 43-0843 LF 3" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	60.17 5.89	9.82
40 05 23 43-0844 LF 4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	105.22 6.97	11.51
40 05 23 43-0845 LF 6" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	167.49 9.15	15.23
40 05 23 43-0846 LF 8" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	287.68 15.86	24.56
40 05 23 43-0847 LF 10" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	371.25 17.45	27.14
40 05 23 43-0848 LF 12" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	469.03 19.38	30.04



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>40 05 23 43-0849 Type 316, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows</b> <small>(40 05 23 43-0834)</small>		
40 05 23 43-0850 EA 1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow.....	81.93	34.74
For Work In Restricted Working Space, Add	23.15	
40 05 23 43-0851 EA 3/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow.....	86.68	36.87
For Work In Restricted Working Space, Add	24.58	
40 05 23 43-0852 EA 1", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow.....	95.50	40.51
For Work In Restricted Working Space, Add	27.01	
40 05 23 43-0853 EA 1-1/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow.....	104.03	44.16
For Work In Restricted Working Space, Add	29.44	
40 05 23 43-0854 EA 1-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow.....	114.71	48.77
For Work In Restricted Working Space, Add	32.51	
40 05 23 43-0855 EA 2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow.....	129.36	54.26
For Work In Restricted Working Space, Add	36.17	
40 05 23 43-0856 EA 2-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow.....	172.43	69.44
For Work In Restricted Working Space, Add	46.29	
40 05 23 43-0857 EA 3", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow.....	204.43	81.39
For Work In Restricted Working Space, Add	54.26	
40 05 23 43-0858 EA 4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow.....	259.77	97.41
For Work In Restricted Working Space, Add	64.94	
40 05 23 43-0859 EA 6", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow.....	402.76	121.69
For Work In Restricted Working Space, Add	81.12	
40 05 23 43-0860 EA 8", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow.....	664.17	186.91
For Work In Restricted Working Space, Add	124.61	
40 05 23 43-0861 EA 10", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow.....	1,097.24	249.21
For Work In Restricted Working Space, Add	166.14	
40 05 23 43-0862 EA 12", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow.....	1,560.24	373.82
For Work In Restricted Working Space, Add	249.21	
40 05 23 43-0863 EA 14", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow.....	1,741.05	436.13
For Work In Restricted Working Space, Add	290.75	
40 05 23 43-0864 EA 16", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow.....	2,119.48	497.48
For Work In Restricted Working Space, Add	331.66	
40 05 23 43-0865 EA 18", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow.....	2,708.52	623.04
For Work In Restricted Working Space, Add	415.36	
40 05 23 43-0866 EA 20", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow.....	3,651.76	872.25
For Work In Restricted Working Space, Add	581.50	
40 05 23 43-0867 EA 24", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow.....	5,303.97	1,246.08
For Work In Restricted Working Space, Add	830.71	
<b>40 05 23 43-0868 Type 316, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows</b> <small>(40 05 23 43-0834)</small>		
40 05 23 43-0869 EA 1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow.....	83.69	34.74
For Work In Restricted Working Space, Add	23.15	
40 05 23 43-0870 EA 3/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow.....	88.44	36.87
For Work In Restricted Working Space, Add	24.58	
40 05 23 43-0871 EA 1", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow.....	96.55	40.51
For Work In Restricted Working Space, Add	27.01	
40 05 23 43-0872 EA 1-1/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow.....	104.54	44.16
For Work In Restricted Working Space, Add	29.44	
40 05 23 43-0873 EA 1-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow.....	115.76	48.77
For Work In Restricted Working Space, Add	32.51	
40 05 23 43-0874 EA 2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow.....	129.36	54.26
For Work In Restricted Working Space, Add	36.17	
40 05 23 43-0875 EA 2-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow.....	172.43	69.44
For Work In Restricted Working Space, Add	46.29	
40 05 23 43-0876 EA 3", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow.....	197.57	81.39
For Work In Restricted Working Space, Add	54.26	
40 05 23 43-0877 EA 4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow.....	246.74	97.41
For Work In Restricted Working Space, Add	64.94	
40 05 23 43-0878 EA 6", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow.....	349.26	121.69
For Work In Restricted Working Space, Add	81.12	
40 05 23 43-0879 EA 8", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow.....	569.90	186.91
For Work In Restricted Working Space, Add	124.61	
40 05 23 43-0880 EA 10", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow.....	879.99	249.21
For Work In Restricted Working Space, Add	166.14	
40 05 23 43-0881 EA 12", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow.....	1,269.41	373.82
For Work In Restricted Working Space, Add	249.21	
40 05 23 43-0882 EA 14", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow.....	1,440.05	436.13
For Work In Restricted Working Space, Add	290.75	
40 05 23 43-0883 EA 16", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow.....	1,625.65	497.48
For Work In Restricted Working Space, Add	331.66	
40 05 23 43-0884 EA 18", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow.....	2,093.74	623.04
For Work In Restricted Working Space, Add	415.36	
40 05 23 43-0885 EA 20", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow.....	2,840.80	872.25
For Work In Restricted Working Space, Add	581.50	
40 05 23 43-0886 EA 24", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow.....	4,220.97	1,246.08
For Work In Restricted Working Space, Add	830.71	
<b>40 05 23 43-0887 Type 316, Schedule 40 Stainless Steel Butt Weld Tees</b> <small>(40 05 23 43-0834)</small>		
40 05 23 43-0888 EA 1/2", Type 316, Schedule 40 Stainless Steel Tee.....	111.13	44.15
For Work In Restricted Working Space, Add	29.43	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0889 EA 3/4", Type 316, Schedule 40 Stainless Steel Tee ..... <i>For Work In Restricted Working Space, Add</i>	133.45 36.13	54.20
40 05 23 43-0890 EA 1", Type 316, Schedule 40 Stainless Steel Tee ..... <i>For Work In Restricted Working Space, Add</i>	148.34 40.60	60.89
40 05 23 43-0891 EA 1-1/4", Type 316, Schedule 40 Stainless Steel Tee ..... <i>For Work In Restricted Working Space, Add</i>	170.81 46.29	69.44
40 05 23 43-0892 EA 1-1/2", Type 316, Schedule 40 Stainless Steel Tee ..... <i>For Work In Restricted Working Space, Add</i>	178.66 49.69	74.54
40 05 23 43-0893 EA 2", Type 316, Schedule 40 Stainless Steel Tee ..... <i>For Work In Restricted Working Space, Add</i>	194.74 54.20	81.29
40 05 23 43-0894 EA 2-1/2", Type 316, Schedule 40 Stainless Steel Tee ..... <i>For Work In Restricted Working Space, Add</i>	242.45 64.94	97.41
40 05 23 43-0895 EA 3", Type 316, Schedule 40 Stainless Steel Tee ..... <i>For Work In Restricted Working Space, Add</i>	299.44 81.38	122.07
40 05 23 43-0896 EA 4", Type 316, Schedule 40 Stainless Steel Tee ..... <i>For Work In Restricted Working Space, Add</i>	346.70 91.34	137.01
40 05 23 43-0897 EA 6", Type 316, Schedule 40 Stainless Steel Tee ..... <i>For Work In Restricted Working Space, Add</i>	545.86 121.78	182.67
40 05 23 43-0898 EA 8", Type 316, Schedule 40 Stainless Steel Tee ..... <i>For Work In Restricted Working Space, Add</i>	898.62 166.14	249.21
40 05 23 43-0899 EA 10", Type 316, Schedule 40 Stainless Steel Tee ..... <i>For Work In Restricted Working Space, Add</i>	1,520.51 249.21	373.82
40 05 23 43-0900 EA 12", Type 316, Schedule 40 Stainless Steel Tee ..... <i>For Work In Restricted Working Space, Add</i>	1,868.47 311.52	467.28
40 05 23 43-0901 EA 14", Type 316, Schedule 40 Stainless Steel Tee ..... <i>For Work In Restricted Working Space, Add</i>	2,695.78 374.36	561.54
40 05 23 43-0902 EA 16", Type 316, Schedule 40 Stainless Steel Tee ..... <i>For Work In Restricted Working Space, Add</i>	3,342.18 456.68	685.01
40 05 23 43-0903 EA 18", Type 316, Schedule 40 Stainless Steel Tee ..... <i>For Work In Restricted Working Space, Add</i>	4,331.58 581.50	872.25
40 05 23 43-0904 EA 20", Type 316, Schedule 40 Stainless Steel Tee ..... <i>For Work In Restricted Working Space, Add</i>	5,624.99 765.13	1,147.70
40 05 23 43-0905 EA 24", Type 316, Schedule 40 Stainless Steel Tee ..... <i>For Work In Restricted Working Space, Add</i>	8,040.56 1,163.00	1,744.50
<b>40 05 23 43-0906 Type 316, Schedule 40 Stainless Steel Butt Weld Reducing Tees (40 05 23 43-0834)</b>		
40 05 23 43-0907 EA 3/4", Type 316, Schedule 40 Stainless Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i>	108.02 24.59	36.88
40 05 23 43-0908 EA 1", Type 316, Schedule 40 Stainless Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i>	126.48 30.13	45.20
40 05 23 43-0909 EA 1-1/4", Type 316, Schedule 40 Stainless Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i>	166.35 33.86	50.79
40 05 23 43-0910 EA 1-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i>	161.22 38.60	57.89
40 05 23 43-0911 EA 2", Type 316, Schedule 40 Stainless Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i>	165.35 41.48	62.21
40 05 23 43-0912 EA 2-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i>	227.57 45.20	67.80
40 05 23 43-0913 EA 3", Type 316, Schedule 40 Stainless Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i>	227.05 54.18	81.26
40 05 23 43-0914 EA 4", Type 316, Schedule 40 Stainless Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i>	303.67 67.71	101.57
40 05 23 43-0915 EA 6", Type 316, Schedule 40 Stainless Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i>	425.09 77.37	116.05
40 05 23 43-0916 EA 8", Type 316, Schedule 40 Stainless Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i>	690.94 103.84	155.76
40 05 23 43-0917 EA 10", Type 316, Schedule 40 Stainless Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i>	1,478.65 138.46	207.68
40 05 23 43-0918 EA 12", Type 316, Schedule 40 Stainless Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i>	1,943.18 207.68	311.51
40 05 23 43-0919 EA 14", Type 316, Schedule 40 Stainless Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i>	2,204.22 249.50	374.25
40 05 23 43-0920 EA 16", Type 316, Schedule 40 Stainless Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i>	2,733.45 304.34	456.52
40 05 23 43-0921 EA 18", Type 316, Schedule 40 Stainless Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i>	3,533.84 387.67	581.50
40 05 23 43-0922 EA 20", Type 316, Schedule 40 Stainless Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i>	5,057.17 510.09	765.13
40 05 23 43-0923 EA 24", Type 316, Schedule 40 Stainless Steel Reducing Tee ..... <i>For Work In Restricted Working Space, Add</i>	7,928.60 774.65	1,161.97
<b>40 05 23 43-0924 Type 316, Schedule 40 Stainless Steel Butt Weld Reducers (40 05 23 43-0834)</b>		
40 05 23 43-0925 EA 3/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	84.92 22.36	33.55
40 05 23 43-0926 EA 1", Type 316, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	93.36 24.37	36.55
40 05 23 43-0927 EA 1-1/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	102.33 27.01	40.51
40 05 23 43-0928 EA 1-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	109.05 29.44	44.16
40 05 23 43-0929 EA 2", Type 316, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	117.17 32.51	48.77



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0930 EA 2-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	158.12 40.63	60.94
40 05 23 43-0931 EA 3", Type 316, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	170.01 46.25	69.38
40 05 23 43-0932 EA 4", Type 316, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	196.50 54.20	81.29
40 05 23 43-0933 EA 6", Type 316, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	270.13 69.00	103.50
40 05 23 43-0934 EA 8", Type 316, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	426.76 99.69	149.53
40 05 23 43-0935 EA 10", Type 316, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	575.22 124.61	186.91
40 05 23 43-0936 EA 12", Type 316, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	726.79 166.14	249.21
40 05 23 43-0937 EA 14", Type 316, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	1,060.43 218.06	327.09
40 05 23 43-0938 EA 16", Type 316, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	1,222.97 248.51	372.76
40 05 23 43-0939 EA 18", Type 316, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	1,640.72 311.52	467.28
40 05 23 43-0940 EA 20", Type 316, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	2,227.63 415.36	623.04
40 05 23 43-0941 EA 24", Type 316, Schedule 40 Stainless Steel Concentric Reducer ..... <i>For Work In Restricted Working Space, Add</i>	3,186.18 623.04	934.55
40 05 23 43-0942 EA 3/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	104.81 22.36	33.55
40 05 23 43-0943 EA 1", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	111.49 24.37	36.55
40 05 23 43-0944 EA 1-1/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	129.46 27.01	40.51
40 05 23 43-0945 EA 1-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	133.87 29.44	44.16
40 05 23 43-0946 EA 2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	143.57 32.51	48.77
40 05 23 43-0947 EA 2-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	171.15 40.63	60.94
40 05 23 43-0948 EA 3", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	220.87 46.25	69.38
40 05 23 43-0949 EA 4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	240.15 54.20	81.29
40 05 23 43-0950 EA 6", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	341.76 69.00	103.50
40 05 23 43-0951 EA 8", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	480.36 99.69	149.53
40 05 23 43-0952 EA 10", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	693.07 124.61	186.91
40 05 23 43-0953 EA 12", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	962.48 166.14	249.21
40 05 23 43-0954 EA 14", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,456.42 218.06	327.09
40 05 23 43-0955 EA 16", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,678.85 248.51	372.76
40 05 23 43-0956 EA 18", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,263.90 311.52	467.28
40 05 23 43-0957 EA 20", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,905.65 415.36	623.04
40 05 23 43-0958 EA 24", Type 316, Schedule 40 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	4,355.94 623.04	934.55
<b>40 05 23 43-0959 Type 316, Schedule 40 Stainless Steel Butt Weld Caps (40 05 23 43-0834)</b>		
40 05 23 43-0960 EA 1/2", Type 316, Schedule 40 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	46.70 11.58	17.36
40 05 23 43-0961 EA 3/4", Type 316, Schedule 40 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	51.17 12.29	18.44
40 05 23 43-0962 EA 1", Type 316, Schedule 40 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	56.64 13.51	20.26
40 05 23 43-0963 EA 1-1/4", Type 316, Schedule 40 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	64.80 14.72	22.08
40 05 23 43-0964 EA 1-1/2", Type 316, Schedule 40 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	63.87 16.26	24.38
40 05 23 43-0965 EA 2", Type 316, Schedule 40 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	72.43 18.09	27.13
40 05 23 43-0966 EA 2-1/2", Type 316, Schedule 40 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	90.60 23.15	34.72
40 05 23 43-0967 EA 3", Type 316, Schedule 40 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	103.98 27.13	40.70
40 05 23 43-0968 EA 4", Type 316, Schedule 40 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	127.78 32.47	48.71
40 05 23 43-0969 EA 6", Type 316, Schedule 40 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	177.66 40.63	60.94
40 05 23 43-0970 EA 8", Type 316, Schedule 40 Stainless Steel Cap ..... <i>For Work In Restricted Working Space, Add</i>	284.86 62.30	93.45



**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0971	EA		10", Type 316, Schedule 40 Stainless Steel Cap.....	382.20	124.61
			<i>For Work In Restricted Working Space, Add</i>	83.07	
40 05 23 43-0972	EA		12", Type 316, Schedule 40 Stainless Steel Cap.....	569.70	186.90
			<i>For Work In Restricted Working Space, Add</i>	124.61	
40 05 23 43-0973	EA		14", Type 316, Schedule 40 Stainless Steel Cap.....	648.30	218.06
			<i>For Work In Restricted Working Space, Add</i>	145.38	
40 05 23 43-0974	EA		16", Type 316, Schedule 40 Stainless Steel Cap.....	727.70	248.74
			<i>For Work In Restricted Working Space, Add</i>	165.83	
40 05 23 43-0975	EA		18", Type 316, Schedule 40 Stainless Steel Cap.....	930.41	311.51
			<i>For Work In Restricted Working Space, Add</i>	207.68	
40 05 23 43-0976	EA		20", Type 316, Schedule 40 Stainless Steel Cap.....	1,276.62	436.13
			<i>For Work In Restricted Working Space, Add</i>	290.75	
40 05 23 43-0977	EA		24", Type 316, Schedule 40 Stainless Steel Cap.....	1,985.74	623.03
			<i>For Work In Restricted Working Space, Add</i>	415.36	
40 05 23 43-0978			<b>Valves</b> (40 05 23 43-0231)		
40 05 23 43-0979			<b>Gate Valves, Class 150</b> (40 05 23 43-0978)		
40 05 23 43-0980	EA		1/2" Gate Valve, Stainless Steel, Flanged .....	475.29	34.90
			<i>For Work In Restricted Working Space, Add</i>	13.09	
			<i>For Class 200, Deduct</i>	-115.47	
			<i>For Class 300, Add</i>	405.76	
40 05 23 43-0981	EA		3/4" Gate Valve, Stainless Steel, Flanged .....	515.54	36.35
			<i>For Work In Restricted Working Space, Add</i>	15.27	
			<i>For Class 200, Deduct</i>	-124.29	
			<i>For Class 300, Add</i>	436.76	
40 05 23 43-0982	EA		1" Gate Valve, Stainless Steel, Flanged .....	633.94	54.54
			<i>For Work In Restricted Working Space, Add</i>	20.58	
			<i>For Class 200, Deduct</i>	-151.23	
			<i>For Class 300, Add</i>	531.42	
40 05 23 43-0983	EA		1-1/4" Gate Valve, Stainless Steel, Flanged .....	801.12	63.62
			<i>For Work In Restricted Working Space, Add</i>	23.71	
			<i>For Class 200, Deduct</i>	-193.16	
			<i>For Class 300, Add</i>	678.76	
40 05 23 43-0984	EA		1-1/2" Gate Valve, Stainless Steel, Flanged .....	900.56	80.09
			<i>For Work In Restricted Working Space, Add</i>	30.03	
			<i>For Class 200, Deduct</i>	-214.12	
			<i>For Class 300, Add</i>	752.42	
40 05 23 43-0985	EA		2" Gate Valve, Stainless Steel, Flanged .....	1,068.46	96.92
			<i>For Work In Restricted Working Space, Add</i>	36.36	
			<i>For Class 200, Deduct</i>	-253.39	
			<i>For Class 300, Add</i>	890.43	
40 05 23 43-0986	EA		2-1/2" Gate Valve, Stainless Steel, Flanged .....	1,545.45	105.43
			<i>For Work In Restricted Working Space, Add</i>	39.66	
			<i>For Class 300, Add</i>	1,328.46	
40 05 23 43-0987	EA		3" Gate Valve, Stainless Steel, Flanged .....	1,739.21	123.61
			<i>For Work In Restricted Working Space, Add</i>	46.41	
			<i>For Class 300, Add</i>	1,489.43	
40 05 23 43-0988	EA		4" Gate Valve, Stainless Steel, Flanged .....	2,286.63	207.22
			<i>For Work In Restricted Working Space, Add</i>	77.90	
			<i>For Class 300, Add</i>	1,905.33	
40 05 23 43-0989	EA		6" Gate Valve, Stainless Steel, Flanged .....	3,851.70	261.76
			<i>For Work In Restricted Working Space, Add</i>	98.51	
			<i>For Class 300, Add</i>	3,311.93	
40 05 23 43-0990	EA		8" Gate Valve, Stainless Steel, Flanged .....	8,478.26	334.47
			<i>For Work In Restricted Working Space, Add</i>	124.65	
			<i>For Class 300, Add</i>	7,579.00	
40 05 23 43-0991	EA		10" Gate Valve, Stainless Steel, Flanged .....	11,967.79	407.17
			<i>For Work In Restricted Working Space, Add</i>	152.69	
			<i>For Class 300, Add</i>	10,771.29	
40 05 23 43-0992	EA		12" Gate Valve, Stainless Steel, Flanged .....	18,055.87	494.43
			<i>For Work In Restricted Working Space, Add</i>	185.08	
			<i>For Class 300, Add</i>	16,392.59	
40 05 23 43-0993			<b>Globe Valves, Class 150</b> (40 05 23 43-0978)		
40 05 23 43-0994	EA		1/2" Globe Valve, Stainless Steel, Flanged.....	653.41	34.90
			<i>For Work In Restricted Working Space, Add</i>	13.09	
			<i>For Class 200, Deduct</i>	-163.12	
			<i>For Class 300, Add</i>	573.19	
40 05 23 43-0995	EA		3/4" Globe Valve, Stainless Steel, Flanged.....	722.53	36.35
			<i>For Work In Restricted Working Space, Add</i>	15.27	
			<i>For Class 200, Deduct</i>	-179.66	
			<i>For Class 300, Add</i>	631.33	
40 05 23 43-0996	EA		1" Globe Valve, Stainless Steel, Flanged.....	899.30	54.54
			<i>For Work In Restricted Working Space, Add</i>	20.58	
			<i>For Class 200, Deduct</i>	-222.21	
			<i>For Class 300, Add</i>	780.86	
40 05 23 43-0997	EA		1-1/2" Globe Valve, Stainless Steel, Flanged .....	1,337.33	80.09
			<i>For Work In Restricted Working Space, Add</i>	30.03	
			<i>For Class 200, Deduct</i>	-330.96	
			<i>For Class 300, Add</i>	1,162.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0998 EA 2" Globe Valve, Stainless Steel, Flanged ..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,632.38 36.36 -404.24 1,420.52	96.92
40 05 23 43-0999 EA 2-1/2" Globe Valve, Stainless Steel, Flanged ..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	3,313.65 39.66 2,990.56	105.43
40 05 23 43-1000 EA 3" Globe Valve, Stainless Steel, Flanged ..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	3,424.53 46.41 3,073.63	123.61
40 05 23 43-1001 EA 4" Globe Valve, Stainless Steel, Flanged ..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	4,059.73 77.90 3,572.05	207.22
40 05 23 43-1002 EA 6" Globe Valve, Stainless Steel, Flanged ..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	7,530.80 98.51 6,770.28	261.76
<b>40 05 23 43-1003 Check Valves, Class 150</b> <small>(40 05 23 43-0978)</small>		
40 05 23 43-1004 EA 2-1/2" Check Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,477.63 39.66 1,264.70	105.43
40 05 23 43-1005 EA 3" Check Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,542.09 46.41 1,304.14	123.61
40 05 23 43-1006 EA 4" Check Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	2,418.86 77.90 2,029.63	207.22
40 05 23 43-1007 EA 6" Check Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	4,187.33 98.51 3,627.42	261.76
40 05 23 43-1008 EA 8" Check Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	7,398.36 124.65 6,563.90	334.47
<b>40 05 23 43-1009 Stainless Steel Thread-O-Let Fittings</b> <small>(40 05 23 43-0231)</small>		
40 05 23 43-1010 EA 1/2", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	56.16 14.07	21.11
40 05 23 43-1011 EA 3/4", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	74.12 18.77	28.14
40 05 23 43-1012 EA 1", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	91.33 23.27	34.90
40 05 23 43-1013 EA 1-1/4", Stainless Steel Thread-o-let Fitting ..... <i>For Work In Restricted Working Space, Add</i>	131.12 32.93	49.38
40 05 23 43-1014 EA 1-1/2", Stainless Steel Thread-o-let Fitting ..... <i>For Work In Restricted Working Space, Add</i>	145.13 37.13	55.69
40 05 23 43-1015 EA 2", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	181.56 47.17	70.74
40 05 23 43-1016 EA 2-1/2", Stainless Steel Thread-o-let Fitting ..... <i>For Work In Restricted Working Space, Add</i>	324.00 72.71	109.06
40 05 23 43-1017 EA 3", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	433.85 92.82	139.23
40 05 23 43-1018 EA 4", Stainless Steel Thread-o-let Fitting..... <i>For Work In Restricted Working Space, Add</i>	571.88 116.34	174.50
<b>40 05 23 43-1019 Stainless Steel Flanges</b> <small>(40 05 23 43-0231)</small>		
<b>40 05 23 43-1020 150#, Type 304 Stainless Steel Raised Face Threaded Flange</b> <small>(40 05 23 43-1019)</small>		
40 05 23 43-1021 EA 1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	39.37 7.04	11.72
40 05 23 43-1022 EA 3/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	48.95 9.38	15.64
40 05 23 43-1023 EA 1", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	58.59 11.63	19.39
40 05 23 43-1024 EA 1-1/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	79.99 16.46	27.44
40 05 23 43-1025 EA 1-1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	86.99 18.56	30.94
40 05 23 43-1026 EA 2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	111.51 23.58	39.30
40 05 23 43-1027 EA 2-1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	167.16 36.36	60.56
40 05 23 43-1028 EA 3", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	202.80 46.41	123.61
40 05 23 43-1029 EA 4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	259.67 58.17	96.92
<b>40 05 23 43-1030 300#, Type 304 Stainless Steel Raised Face Threaded Flange</b> <small>(40 05 23 43-1019)</small>		
40 05 23 43-1031 EA 1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	48.57 7.04	11.72

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1032	EA	3/4"	300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	56.38 9.38	15.64
40 05 23 43-1033	EA	1"	300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	63.89 11.63	19.39
40 05 23 43-1034	EA	1-1/4"	300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	93.44 16.46	27.44
40 05 23 43-1035	EA	1-1/2"	300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	100.44 18.56	30.94
40 05 23 43-1036	EA	2"	300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	125.29 23.58	39.30
40 05 23 43-1037	EA	2-1/2"	300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	197.93 36.36	60.56
40 05 23 43-1038	EA	3"	300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	234.27 46.41	123.61
40 05 23 43-1039	EA	4"	300#, Type 304 Stainless Steel Raised Face Threaded Flange..... <i>For Work In Restricted Working Space, Add</i>	308.12 58.17	96.92
<b>40 05 23 43-1040</b>			<b>150#, Type 304 Stainless Steel Raised Face Weld Neck Flange (40 05 23 43-1019)</b>		
40 05 23 43-1041	EA	1/2"	150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	54.51 11.58	17.36
40 05 23 43-1042	EA	3/4"	150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	58.64 12.29	18.44
40 05 23 43-1043	EA	1"	150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	65.52 13.51	20.26
40 05 23 43-1044	EA	1-1/4"	150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	78.48 14.74	22.10
40 05 23 43-1045	EA	1-1/2"	150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	83.49 16.24	24.35
40 05 23 43-1046	EA	2"	150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	92.84 18.09	27.13
40 05 23 43-1047	EA	2-1/2"	150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	126.26 23.13	34.70
40 05 23 43-1048	EA	3"	150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	144.02 27.08	40.62
40 05 23 43-1049	EA	4"	150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	183.13 32.45	48.67
40 05 23 43-1050	EA	6"	150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	264.56 40.54	60.81
40 05 23 43-1051	EA	8"	150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	426.91 62.30	93.45
40 05 23 43-1052	EA	10"	150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	600.44 83.07	124.60
40 05 23 43-1053	EA	12"	150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	920.29 124.61	186.90
40 05 23 43-1054	EA	14"	150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,140.75 145.38	218.06
40 05 23 43-1055	EA	16"	150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,409.00 165.83	248.74
40 05 23 43-1056	EA	18"	150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,732.42 207.68	311.51
40 05 23 43-1057	EA	20"	150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,265.05 290.75	436.13
40 05 23 43-1058	EA	24"	150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	3,220.91 415.36	623.03
<b>40 05 23 43-1059</b>			<b>300#, Type 304 Stainless Steel Raised Face Weld Neck Flange (40 05 23 43-1019)</b>		
40 05 23 43-1060	EA	1/2"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	65.48 11.58	17.36
40 05 23 43-1061	EA	3/4"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	67.84 12.29	18.44
40 05 23 43-1062	EA	1"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	71.90 13.51	20.26
40 05 23 43-1063	EA	1-1/4"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	90.84 14.74	22.10
40 05 23 43-1064	EA	1-1/2"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	95.85 16.24	24.35
40 05 23 43-1065	EA	2"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	103.45 18.09	27.13
40 05 23 43-1066	EA	2-1/2"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	144.64 23.13	34.70
40 05 23 43-1067	EA	3"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	164.53 27.08	40.62
40 05 23 43-1068	EA	4"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	231.21 32.45	48.67
40 05 23 43-1069	EA	6"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	319.01 40.54	60.81
40 05 23 43-1070	EA	8"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	562.69 62.30	93.45
40 05 23 43-1071	EA	10"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	779.72 83.07	124.60
40 05 23 43-1072	EA	12"	300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,148.02 124.61	186.90



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1073 EA 14" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,500.75 145.38	218.06
40 05 23 43-1074 EA 16" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,839.52 165.83	248.74
40 05 23 43-1075 EA 18" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,345.45 207.68	311.51
40 05 23 43-1076 EA 20" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	3,049.40 290.75	436.13
40 05 23 43-1077 EA 24" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	4,432.30 415.36	623.03
<b>40 05 23 43-1078 150#, Type 304 Stainless Steel Raised Face Slip-On Flanges</b> (40 05 23 43-1019)		
40 05 23 43-1079 EA 1/2", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	91.32 23.15	34.73
40 05 23 43-1080 EA 3/4", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	96.43 24.58	36.86
40 05 23 43-1081 EA 1", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	105.96 27.02	40.51
40 05 23 43-1082 EA 1-1/4", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	119.79 29.47	44.20
40 05 23 43-1083 EA 1-1/2", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	129.83 32.48	48.71
40 05 23 43-1084 EA 2", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	148.55 36.18	54.27
40 05 23 43-1085 EA 2-1/2", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	193.46 46.26	69.39
40 05 23 43-1086 EA 3", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	222.64 54.17	81.24
40 05 23 43-1087 EA 4", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	273.63 64.90	97.35
40 05 23 43-1088 EA 6", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	357.64 81.09	121.63
40 05 23 43-1089 EA 8", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	580.50 124.61	186.90
40 05 23 43-1090 EA 10" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	810.17 166.14	249.21
40 05 23 43-1091 EA 12" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	1,209.42 249.21	373.81
<b>40 05 23 43-1092 300#, Type 304 Stainless Steel Raised Face Slip-On Flanges</b> (40 05 23 43-1019)		
40 05 23 43-1093 EA 1/2" 300#, Type 304 Stainless Steel Raised Neck Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	98.40 23.15	34.73
40 05 23 43-1094 EA 3/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	103.15 24.58	36.86
40 05 23 43-1095 EA 1" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	111.27 27.02	40.51
40 05 23 43-1096 EA 1-1/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	130.76 29.47	44.20
40 05 23 43-1097 EA 1-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	140.80 32.48	48.71
40 05 23 43-1098 EA 2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	155.96 36.18	54.27
40 05 23 43-1099 EA 2-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	221.05 46.26	69.39
40 05 23 43-1100 EA 3" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	250.22 54.17	81.24
40 05 23 43-1101 EA 4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	311.81 64.90	97.35
40 05 23 43-1102 EA 6" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	465.48 81.09	121.63
40 05 23 43-1103 EA 8" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	689.40 124.61	186.90
40 05 23 43-1104 EA 10" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	985.56 166.14	249.21
40 05 23 43-1105 EA 12" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	1,435.02 249.21	373.81
<b>40 05 23 43-1106 150#, Type 304 Stainless Steel Blind Flanges</b> (40 05 23 43-1019)		
40 05 23 43-1107 EA 1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	30.53 4.63	6.94
40 05 23 43-1108 EA 3/4", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	31.94 4.92	7.37
40 05 23 43-1109 EA 1", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	34.64 5.40	8.10
40 05 23 43-1110 EA 1-1/4", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	43.74 6.01	9.02
40 05 23 43-1111 EA 1-1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	50.79 8.13	12.19
40 05 23 43-1112 EA 2", 150#, Type 304 Stainless Steel Raised Face Blind Flange..... <i>For Work In Restricted Working Space, Add</i>	59.43 9.02	13.53

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1113 EA 2-1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange.....	80.39	17.40
<i>For Work In Restricted Working Space, Add</i>	11.60	
40 05 23 43-1114 EA 3", 150#, Type 304 Stainless Steel Raised Face Blind Flange.....	100.14	24.37
<i>For Work In Restricted Working Space, Add</i>	16.25	
40 05 23 43-1115 EA 4", 150#, Type 304 Stainless Steel Raised Face Blind Flange.....	154.62	40.62
<i>For Work In Restricted Working Space, Add</i>	27.08	
40 05 23 43-1116 EA 6", 150#, Type 304 Stainless Steel Raised Face Blind Flange.....	210.12	52.23
<i>For Work In Restricted Working Space, Add</i>	34.82	
40 05 23 43-1117 EA 8", 150#, Type 304 Stainless Steel Raised Face Blind Flange.....	301.43	58.15
<i>For Work In Restricted Working Space, Add</i>	38.77	
40 05 23 43-1118 EA 10", 150#, Type 304 Stainless Steel Raised Face Blind Flange.....	454.22	69.78
<i>For Work In Restricted Working Space, Add</i>	46.52	
40 05 23 43-1119 EA 12", 150#, Type 304 Stainless Steel Raised Face Blind Flange.....	598.71	87.23
<i>For Work In Restricted Working Space, Add</i>	58.15	
40 05 23 43-1120 EA 14", 150#, Type 304 Stainless Steel Raised Face Blind Flange.....	760.21	109.03
<i>For Work In Restricted Working Space, Add</i>	72.69	
40 05 23 43-1121 EA 16", 150#, Type 304 Stainless Steel Raised Face Blind Flange.....	973.16	124.37
<i>For Work In Restricted Working Space, Add</i>	82.91	
40 05 23 43-1122 EA 18", 150#, Type 304 Stainless Steel Raised Face Blind Flange.....	1,154.70	155.76
<i>For Work In Restricted Working Space, Add</i>	103.84	
40 05 23 43-1123 EA 20", 150#, Type 304 Stainless Steel Raised Face Blind Flange.....	1,539.07	218.06
<i>For Work In Restricted Working Space, Add</i>	145.38	
40 05 23 43-1124 EA 24", 150#, Type 304 Stainless Steel Raised Face Blind Flange.....	2,238.58	311.51
<i>For Work In Restricted Working Space, Add</i>	207.68	
<b>40 05 23 43-1125 300#, Type 304 Stainless Steel Blind Flanges (40 05 23 43-1019)</b>		
40 05 23 43-1126 EA 1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange.....	37.73	6.94
<i>For Work In Restricted Working Space, Add</i>	4.63	
40 05 23 43-1127 EA 3/4", 300#, Type 304 Stainless Steel Raised Face Blind Flange.....	38.68	7.37
<i>For Work In Restricted Working Space, Add</i>	4.92	
40 05 23 43-1128 EA 1", 300#, Type 304 Stainless Steel Raised Face Blind Flange.....	40.30	8.10
<i>For Work In Restricted Working Space, Add</i>	5.40	
40 05 23 43-1129 EA 1-1/4", 300#, Type 304 Stainless Steel Raised Face Blind Flange.....	50.45	9.02
<i>For Work In Restricted Working Space, Add</i>	6.01	
40 05 23 43-1130 EA 1-1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange.....	57.50	12.19
<i>For Work In Restricted Working Space, Add</i>	8.13	
40 05 23 43-1131 EA 2", 300#, Type 304 Stainless Steel Raised Face Blind Flange.....	62.97	13.53
<i>For Work In Restricted Working Space, Add</i>	9.02	
40 05 23 43-1132 EA 2-1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange.....	105.14	17.40
<i>For Work In Restricted Working Space, Add</i>	11.60	
40 05 23 43-1133 EA 3", 300#, Type 304 Stainless Steel Raised Face Blind Flange.....	123.30	24.37
<i>For Work In Restricted Working Space, Add</i>	16.25	
40 05 23 43-1134 EA 4", 300#, Type 304 Stainless Steel Raised Face Blind Flange.....	183.61	40.62
<i>For Work In Restricted Working Space, Add</i>	27.08	
40 05 23 43-1135 EA 6", 300#, Type 304 Stainless Steel Raised Face Blind Flange.....	329.63	52.23
<i>For Work In Restricted Working Space, Add</i>	34.82	
40 05 23 43-1136 EA 8", 300#, Type 304 Stainless Steel Raised Face Blind Flange.....	444.28	58.15
<i>For Work In Restricted Working Space, Add</i>	38.77	
40 05 23 43-1137 EA 10", 300#, Type 304 Stainless Steel Raised Face Blind Flange.....	628.18	69.78
<i>For Work In Restricted Working Space, Add</i>	46.52	
40 05 23 43-1138 EA 12", 300#, Type 304 Stainless Steel Raised Face Blind Flange.....	865.68	87.23
<i>For Work In Restricted Working Space, Add</i>	58.15	
40 05 23 43-1139 EA 14", 300#, Type 304 Stainless Steel Raised Face Blind Flange.....	1,205.48	109.03
<i>For Work In Restricted Working Space, Add</i>	72.69	
40 05 23 43-1140 EA 16", 300#, Type 304 Stainless Steel Raised Face Blind Flange.....	1,535.33	124.37
<i>For Work In Restricted Working Space, Add</i>	82.91	
40 05 23 43-1141 EA 18", 300#, Type 304 Stainless Steel Raised Face Blind Flange.....	2,000.76	155.76
<i>For Work In Restricted Working Space, Add</i>	103.84	
40 05 23 43-1142 EA 20", 300#, Type 304 Stainless Steel Raised Face Blind Flange.....	2,542.87	218.06
<i>For Work In Restricted Working Space, Add</i>	145.38	
40 05 23 43-1143 EA 24", 300#, Type 304 Stainless Steel Raised Face Blind Flange.....	3,889.59	311.51
<i>For Work In Restricted Working Space, Add</i>	207.68	
<b>40 05 23 43-1144 150#, Type 316 Stainless Steel Raised Face Threaded Flange (40 05 23 43-1019)</b>		
40 05 23 43-1145 EA 1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	45.75	11.72
<i>For Work In Restricted Working Space, Add</i>	7.04	
40 05 23 43-1146 EA 3/4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	57.09	15.64
<i>For Work In Restricted Working Space, Add</i>	9.38	
40 05 23 43-1147 EA 1", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	66.35	19.39
<i>For Work In Restricted Working Space, Add</i>	11.63	
40 05 23 43-1148 EA 1-1/4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	91.65	27.44
<i>For Work In Restricted Working Space, Add</i>	16.46	
40 05 23 43-1149 EA 1-1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	98.65	30.94
<i>For Work In Restricted Working Space, Add</i>	18.56	
40 05 23 43-1150 EA 2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	124.24	39.30
<i>For Work In Restricted Working Space, Add</i>	23.58	
40 05 23 43-1151 EA 2-1/2", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	185.55	60.56
<i>For Work In Restricted Working Space, Add</i>	36.36	
40 05 23 43-1152 EA 3", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	226.50	123.61
<i>For Work In Restricted Working Space, Add</i>	46.41	
40 05 23 43-1153 EA 4", 150#, Type 316 Stainless Steel Raised Face Threaded Flange.....	292.91	96.92
<i>For Work In Restricted Working Space, Add</i>	58.17	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>40 05 23 43-1154 300#, Type 316 Stainless Steel Raised Face Threaded Flange (40 05 23 43-1019)</b>						
40 05 23 43-1155	EA			1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	57.77	11.72
				<i>For Work In Restricted Working Space, Add</i>	7.04	
40 05 23 43-1156	EA			3/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	65.58	15.64
				<i>For Work In Restricted Working Space, Add</i>	9.38	
40 05 23 43-1157	EA			1", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	73.09	19.39
				<i>For Work In Restricted Working Space, Add</i>	11.63	
40 05 23 43-1158	EA			1-1/4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	111.12	27.44
				<i>For Work In Restricted Working Space, Add</i>	16.46	
40 05 23 43-1159	EA			1-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	118.12	30.94
				<i>For Work In Restricted Working Space, Add</i>	18.56	
40 05 23 43-1160	EA			2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	140.85	39.30
				<i>For Work In Restricted Working Space, Add</i>	23.58	
40 05 23 43-1161	EA			2-1/2", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	232.93	60.56
				<i>For Work In Restricted Working Space, Add</i>	36.36	
40 05 23 43-1162	EA			3", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	269.99	123.61
				<i>For Work In Restricted Working Space, Add</i>	46.41	
40 05 23 43-1163	EA			4", 300#, Type 316 Stainless Steel Raised Face Threaded Flange.....	365.04	96.92
				<i>For Work In Restricted Working Space, Add</i>	58.17	
<b>40 05 23 43-1164 150#, Type 316 Stainless Steel Raised Face Weld Neck Flange (40 05 23 43-1019)</b>						
40 05 23 43-1165	EA			1/2", 150#, Type 316 Stainless Steel Weld Neck Flange.....	62.64	17.36
				<i>For Work In Restricted Working Space, Add</i>	11.58	
40 05 23 43-1166	EA			3/4", 150#, Type 316 Stainless Steel Weld Neck Flange.....	66.78	18.44
				<i>For Work In Restricted Working Space, Add</i>	12.29	
40 05 23 43-1167	EA			1", 150#, Type 316 Stainless Steel Weld Neck Flange.....	74.72	20.26
				<i>For Work In Restricted Working Space, Add</i>	13.51	
40 05 23 43-1168	EA			1-1/4", 150#, Type 316 Stainless Steel Weld Neck Flange.....	90.50	22.10
				<i>For Work In Restricted Working Space, Add</i>	14.74	
40 05 23 43-1169	EA			1-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange.....	95.51	24.35
				<i>For Work In Restricted Working Space, Add</i>	16.24	
40 05 23 43-1170	EA			2", 150#, Type 316 Stainless Steel Weld Neck Flange.....	105.21	27.13
				<i>For Work In Restricted Working Space, Add</i>	18.09	
40 05 23 43-1171	EA			2-1/2", 150#, Type 316 Stainless Steel Weld Neck Flange.....	147.11	34.70
				<i>For Work In Restricted Working Space, Add</i>	23.13	
40 05 23 43-1172	EA			3", 150#, Type 316 Stainless Steel Weld Neck Flange.....	162.76	40.62
				<i>For Work In Restricted Working Space, Add</i>	27.08	
40 05 23 43-1173	EA			4", 150#, Type 316 Stainless Steel Weld Neck Flange.....	214.95	48.67
				<i>For Work In Restricted Working Space, Add</i>	32.45	
40 05 23 43-1174	EA			6", 150#, Type 316 Stainless Steel Weld Neck Flange.....	319.73	60.81
				<i>For Work In Restricted Working Space, Add</i>	40.54	
40 05 23 43-1175	EA			8", 150#, Type 316 Stainless Steel Weld Neck Flange.....	512.13	93.45
				<i>For Work In Restricted Working Space, Add</i>	62.30	
40 05 23 43-1176	EA			10", 150#, Type 316 Stainless Steel Weld Neck Flange.....	742.60	124.60
				<i>For Work In Restricted Working Space, Add</i>	83.07	
40 05 23 43-1177	EA			12", 150#, Type 316 Stainless Steel Weld Neck Flange.....	1,108.07	186.90
				<i>For Work In Restricted Working Space, Add</i>	124.61	
40 05 23 43-1178	EA			14", 150#, Type 316 Stainless Steel Weld Neck Flange.....	1,296.27	218.06
				<i>For Work In Restricted Working Space, Add</i>	145.38	
40 05 23 43-1179	EA			16", 150#, Type 316 Stainless Steel Weld Neck Flange.....	1,611.95	248.74
				<i>For Work In Restricted Working Space, Add</i>	165.83	
40 05 23 43-1180	EA			18", 150#, Type 316 Stainless Steel Weld Neck Flange.....	1,978.95	311.51
				<i>For Work In Restricted Working Space, Add</i>	207.68	
40 05 23 43-1181	EA			20", 150#, Type 316 Stainless Steel Weld Neck Flange.....	2,572.19	436.13
				<i>For Work In Restricted Working Space, Add</i>	290.75	
40 05 23 43-1182	EA			24", 150#, Type 316 Stainless Steel Weld Neck Flange.....	3,656.16	623.03
				<i>For Work In Restricted Working Space, Add</i>	415.36	
<b>40 05 23 43-1183 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange (40 05 23 43-1019)</b>						
40 05 23 43-1184	EA			1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	76.08	17.36
				<i>For Work In Restricted Working Space, Add</i>	11.58	
40 05 23 43-1185	EA			3/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	78.44	18.44
				<i>For Work In Restricted Working Space, Add</i>	12.29	
40 05 23 43-1186	EA			1" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	82.50	20.26
				<i>For Work In Restricted Working Space, Add</i>	13.51	
40 05 23 43-1187	EA			1-1/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	105.36	22.10
				<i>For Work In Restricted Working Space, Add</i>	14.74	
40 05 23 43-1188	EA			1-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	110.37	24.35
				<i>For Work In Restricted Working Space, Add</i>	16.24	
40 05 23 43-1189	EA			2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	121.13	27.13
				<i>For Work In Restricted Working Space, Add</i>	18.09	
40 05 23 43-1190	EA			2-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	175.05	34.70
				<i>For Work In Restricted Working Space, Add</i>	23.13	
40 05 23 43-1191	EA			3" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	193.17	40.62
				<i>For Work In Restricted Working Space, Add</i>	27.08	
40 05 23 43-1192	EA			4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	284.24	48.67
				<i>For Work In Restricted Working Space, Add</i>	32.45	
40 05 23 43-1193	EA			6" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	450.20	60.81
				<i>For Work In Restricted Working Space, Add</i>	40.54	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1194 EA 8" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	696.72	93.45
<i>For Work In Restricted Working Space, Add</i>	62.30	
40 05 23 43-1195 EA 10" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	996.83	124.60
<i>For Work In Restricted Working Space, Add</i>	83.07	
40 05 23 43-1196 EA 12" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	1,466.96	186.90
<i>For Work In Restricted Working Space, Add</i>	124.61	
40 05 23 43-1197 EA 14" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	1,964.63	218.06
<i>For Work In Restricted Working Space, Add</i>	145.38	
40 05 23 43-1198 EA 16" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	2,426.93	248.74
<i>For Work In Restricted Working Space, Add</i>	165.83	
40 05 23 43-1199 EA 18" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	3,100.14	311.51
<i>For Work In Restricted Working Space, Add</i>	207.68	
40 05 23 43-1200 EA 20" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	3,999.04	436.13
<i>For Work In Restricted Working Space, Add</i>	290.75	
40 05 23 43-1201 EA 24" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange.....	5,823.62	623.03
<i>For Work In Restricted Working Space, Add</i>	415.36	
<b>40 05 23 43-1202 150#, Type 316 Stainless Steel Raised Face Slip-On Flanges (40 05 23 43-1019)</b>		
40 05 23 43-1203 EA 1/2", 150#, Type 316 Stainless Steel Slip-On Flange.....	95.57	34.73
<i>For Work In Restricted Working Space, Add</i>	23.15	
40 05 23 43-1204 EA 3/4", 150#, Type 316 Stainless Steel Slip-On Flange.....	102.81	36.86
<i>For Work In Restricted Working Space, Add</i>	24.58	
40 05 23 43-1205 EA 1", 150#, Type 316 Stainless Steel Slip-On Flange.....	113.27	40.51
<i>For Work In Restricted Working Space, Add</i>	27.02	
40 05 23 43-1206 EA 1-1/4", 150#, Type 316 Stainless Steel Slip-On Flange.....	146.44	44.20
<i>For Work In Restricted Working Space, Add</i>	29.47	
40 05 23 43-1207 EA 1-1/2", 150#, Type 316 Stainless Steel Slip-On Flange.....	138.32	48.71
<i>For Work In Restricted Working Space, Add</i>	32.48	
40 05 23 43-1208 EA 2", 150#, Type 316 Stainless Steel Slip-On Flange.....	150.66	54.27
<i>For Work In Restricted Working Space, Add</i>	36.18	
40 05 23 43-1209 EA 2-1/2", 150#, Type 316 Stainless Steel Slip-On Flange.....	192.05	69.39
<i>For Work In Restricted Working Space, Add</i>	46.26	
40 05 23 43-1210 EA 3", 150#, Type 316 Stainless Steel Slip-On Flange.....	234.66	81.24
<i>For Work In Restricted Working Space, Add</i>	54.17	
40 05 23 43-1211 EA 4", 150#, Type 316 Stainless Steel Slip-On Flange.....	299.08	97.35
<i>For Work In Restricted Working Space, Add</i>	64.90	
40 05 23 43-1212 EA 6", 150#, Type 316 Stainless Steel Slip-On Flange.....	395.46	121.63
<i>For Work In Restricted Working Space, Add</i>	81.09	
40 05 23 43-1213 EA 8", 150#, Type 316 Stainless Steel Slip-On Flange.....	658.63	186.90
<i>For Work In Restricted Working Space, Add</i>	124.61	
40 05 23 43-1214 EA 10" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange.....	916.96	249.21
<i>For Work In Restricted Working Space, Add</i>	166.14	
40 05 23 43-1215 EA 12" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange.....	1,352.27	373.81
<i>For Work In Restricted Working Space, Add</i>	249.21	
<b>40 05 23 43-1216 300#, Type 316 Stainless Steel Raised Face Slip-On Flanges (40 05 23 43-1019)</b>		
40 05 23 43-1217 EA 1/2" 300#, Type 316 Stainless Steel Raised Neck Slip-On Flange.....	105.47	34.73
<i>For Work In Restricted Working Space, Add</i>	23.15	
40 05 23 43-1218 EA 3/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange.....	110.22	36.86
<i>For Work In Restricted Working Space, Add</i>	24.58	
40 05 23 43-1219 EA 1" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange.....	118.34	40.51
<i>For Work In Restricted Working Space, Add</i>	27.02	
40 05 23 43-1220 EA 1-1/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange.....	144.54	44.20
<i>For Work In Restricted Working Space, Add</i>	29.47	
40 05 23 43-1221 EA 1-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange.....	154.58	48.71
<i>For Work In Restricted Working Space, Add</i>	32.48	
40 05 23 43-1222 EA 2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange.....	169.00	54.27
<i>For Work In Restricted Working Space, Add</i>	36.18	
40 05 23 43-1223 EA 2-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange.....	251.81	69.39
<i>For Work In Restricted Working Space, Add</i>	46.26	
40 05 23 43-1224 EA 3" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange.....	281.68	81.24
<i>For Work In Restricted Working Space, Add</i>	54.17	
40 05 23 43-1225 EA 4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange.....	360.60	97.35
<i>For Work In Restricted Working Space, Add</i>	64.90	
40 05 23 43-1226 EA 6" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange.....	536.56	121.63
<i>For Work In Restricted Working Space, Add</i>	81.09	
40 05 23 43-1227 EA 8" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange.....	762.60	186.90
<i>For Work In Restricted Working Space, Add</i>	124.61	
40 05 23 43-1228 EA 10" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange.....	1,223.88	249.21
<i>For Work In Restricted Working Space, Add</i>	166.14	
40 05 23 43-1229 EA 12" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange.....	1,645.06	373.81
<i>For Work In Restricted Working Space, Add</i>	249.21	
<b>40 05 23 43-1230 150#, Type 316 Stainless Steel Blind Flanges (40 05 23 43-1019)</b>		
40 05 23 43-1231 EA 1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange.....	33.83	6.94
<i>For Work In Restricted Working Space, Add</i>	4.63	
40 05 23 43-1232 EA 3/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange.....	37.96	7.37
<i>For Work In Restricted Working Space, Add</i>	4.92	
40 05 23 43-1233 EA 1", 150#, Type 316 Stainless Steel Raised Face Blind Flange.....	42.76	8.10
<i>For Work In Restricted Working Space, Add</i>	5.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1234 EA 1-1/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	50.10 6.01	9.02
40 05 23 43-1235 EA 1-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	57.15 8.13	12.19
40 05 23 43-1236 EA 2", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	70.04 9.02	13.53
40 05 23 43-1237 EA 2-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	97.01 11.60	17.40
40 05 23 43-1238 EA 3", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	118.53 16.25	24.37
40 05 23 43-1239 EA 4", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	185.73 27.08	40.62
40 05 23 43-1240 EA 6", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	259.98 34.82	52.23
40 05 23 43-1241 EA 8", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	420.58 38.77	58.15
40 05 23 43-1242 EA 10", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	548.28 46.52	69.78
40 05 23 43-1243 EA 12", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	869.93 58.15	87.23
40 05 23 43-1244 EA 14", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,037.89 72.69	109.03
40 05 23 43-1245 EA 16", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,346.72 82.91	124.37
40 05 23 43-1246 EA 18", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,588.20 103.84	155.76
40 05 23 43-1247 EA 20", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,104.41 145.38	218.06
40 05 23 43-1248 EA 24", 150#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	3,067.62 207.68	311.51
<b>40 05 23 43-1249 300#, Type 316 Stainless Steel Blind Flanges</b> <small>(40 05 23 43-1019)</small>		
40 05 23 43-1250 EA 1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	49.75 4.63	6.94
40 05 23 43-1251 EA 3/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	50.70 4.92	7.37
40 05 23 43-1252 EA 1", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	52.32 5.40	8.10
40 05 23 43-1253 EA 1-1/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	76.28 6.01	9.02
40 05 23 43-1254 EA 1-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	83.33 8.13	12.19
40 05 23 43-1255 EA 2", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	92.31 9.02	13.53
40 05 23 43-1256 EA 2-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	150.41 11.60	17.40
40 05 23 43-1257 EA 3", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	169.45 16.25	24.37
40 05 23 43-1258 EA 4", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	261.40 27.08	40.62
40 05 23 43-1259 EA 6", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	462.25 34.82	52.23
40 05 23 43-1260 EA 8", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	581.49 38.77	58.15
40 05 23 43-1261 EA 10", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,027.05 46.52	69.78
40 05 23 43-1262 EA 12", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,253.58 58.15	87.23
40 05 23 43-1263 EA 14", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,801.28 72.69	109.03
40 05 23 43-1264 EA 16", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,314.07 82.91	124.37
40 05 23 43-1265 EA 18", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	3,024.24 103.84	155.76
40 05 23 43-1266 EA 20", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	3,816.05 145.38	218.06
40 05 23 43-1267 EA 24", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	5,867.34 207.68	311.51
<b>40 05 23 43-1268 Type 316 Seamless Annealed Tubing</b> <small>(40 05 23 43)</small>		
Note: For high pressure air (8000 PSIG working pressure).		
<b>40 05 23 43-1269 Type 316 Seamless Annealed Tubing</b> <small>(40 05 23 43-1268)</small>		
40 05 23 43-1270 LF 3/8" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .065 Wall Thickness	14.92	
40 05 23 43-1271 LF 1/2" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .083 Wall Thickness	18.77	
40 05 23 43-1272 LF 3/4" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .120 Wall Thickness	22.75	
<b>40 05 23 43-1273 Type 316 Seamless Annealed Tubing Fittings</b> <small>(40 05 23 43-1268)</small>		
Note: Pressure rating 5000 PSI minimum. Includes front and back ferrules.		
40 05 23 43-1274 EA 3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Connector With Front And Back Ferrules	47.77	
40 05 23 43-1275 EA 3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Elbow With Front And Back Ferrules	55.20	



**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 23 43-1276	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Tee With Front And Back Ferrules.....	85.00	
40 05 23 43-1277	EA	3/8" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules .....	43.55	
40 05 23 43-1278	EA	3/8" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules.....	71.83	
40 05 23 43-1279	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Connector With Front And Back Ferrules .....	52.77	
40 05 23 43-1280	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Elbow With Front And Back Ferrules.....	67.84	
40 05 23 43-1281	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules .....	104.63	
40 05 23 43-1282	EA	1/2" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules .....	66.96	
40 05 23 43-1283	EA	1/2" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules.....	102.59	
40 05 23 43-1284	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Connector With Front And Back Ferrules .....	64.07	
40 05 23 43-1285	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Elbow With Front And Back Ferrules .....	83.80	
40 05 23 43-1286	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules .....	139.96	
40 05 23 43-1287	EA	3/4" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules .....	116.30	
40 05 23 43-1288	EA	3/4" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules.....	142.55	

**40 05 23 43-1289 Valves For High Pressure Air (5,000 PSIG) (40 05 23 43-1289)****40 05 23 43-1290 Needle Valves (40 05 23 43-1289)**

40 05 23 43-1291	EA	3/8" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge .....	280.18	
40 05 23 43-1292	EA	1/2" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge .....	448.78	

**40 05 23 43-1293 Safety Valve (Code Stamped) Work Pressure, 6,000 PSIG (40 05 23 43-1289)**

40 05 23 43-1294	EA	1/4" NPT Inlet, Safety Valve Spring Loaded 316 Stainless Steel Construction.....	269.33	
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**40 05 23 43-1295 Other Valves Working Pressure 6,000 PSI (40 05 23 43-1289)**

40 05 23 43-1296	EA	1/4" NPT Pressure Reducing Valve Spring Loaded, Stainless Steel Body, 6,000 PSIG.....	1,140.52	
40 05 23 43-1297	EA	1/4" NPT Pressure Gauge, Liquid Filled, 6,000 PSIG, Blow Out Back .....	280.45	
40 05 23 43-1298	EA	Snubber 316 Stainless Steel Body, Rated For Design Pressure With Sinterec Element.....	50.88	

**40 05 31 Thermoplastic Process Pipe (40 05)****40 05 31 43 Polypropylene Process Pipe (40 05 31)****40 05 31 43-0001 Polypropylene (PP) Lined Piping System (40 05 31 43)****40 05 31 43-0002 Polypropylene (PP) Lined Pipe And Fittings (40 05 31 43-0001)****40 05 31 43-0003 Pipe (40 05 31 43-0002)**

40 05 31 43-0004	LF	3/4" Polypropylene (PP) Lined Pipe.....	42.10	1.37
40 05 31 43-0005	LF	1" Polypropylene (PP) Lined Pipe.....	42.32	1.50
40 05 31 43-0006	LF	1-1/4" Polypropylene (PP) Lined Pipe.....	57.03	1.63
40 05 31 43-0007	LF	1-1/2" Polypropylene (PP) Lined Pipe.....	57.09	1.63
40 05 31 43-0008	LF	2" Polypropylene (PP) Lined Pipe.....	55.07	1.96
40 05 31 43-0009	LF	2-1/2" Polypropylene (PP) Lined Pipe.....	80.45	2.35
40 05 31 43-0010	LF	3" Polypropylene (PP) Lined Pipe.....	96.08	2.80
40 05 31 43-0011	LF	4" Polypropylene (PP) Lined Pipe.....	141.71	4.24
40 05 31 43-0012	LF	6" Polypropylene (PP) Lined Pipe.....	243.19	5.61
40 05 31 43-0013	LF	8" Polypropylene (PP) Lined Pipe.....	376.37	6.72

**40 05 31 43-0014 90 Degree Elbows (40 05 31 43-0002)**

40 05 31 43-0015	EA	3/4" 90 Degree Elbow, Polypropylene (PP) Lined.....	319.80	5.61
40 05 31 43-0016	EA	1" 90 Degree Elbow, Polypropylene (PP) Lined.....	323.16	6.98
40 05 31 43-0017	EA	1-1/4" 90 Degree Elbow, Polypropylene (PP) Lined .....	340.33	9.84
40 05 31 43-0018	EA	1-1/2" 90 Degree Elbow, Polypropylene (PP) Lined .....	343.47	11.08
40 05 31 43-0019	EA	2" 90 Degree Elbow, Polypropylene (PP) Lined.....	396.47	14.08
40 05 31 43-0020	EA	2-1/2" 90 Degree Elbow, Polypropylene (PP) Lined .....	504.42	20.86
40 05 31 43-0021	EA	3" 90 Degree Elbow, Polypropylene (PP) Lined.....	611.91	27.45
40 05 31 43-0022	EA	4" 90 Degree Elbow, Polypropylene (PP) Lined.....	900.69	32.59
40 05 31 43-0023	EA	6" 90 Degree Elbow, Polypropylene (PP) Lined.....	1,393.03	37.22
40 05 31 43-0024	EA	8" 90 Degree Elbow, Polypropylene (PP) Lined.....	2,173.86	46.94

**40 05 31 43-0025 45 Degree Elbows (40 05 31 43-0002)**

40 05 31 43-0026	EA	3/4" 45 Degree Elbow, Polypropylene (PP) Lined.....	282.91	5.61
40 05 31 43-0027	EA	1" 45 Degree Elbow, Polypropylene (PP) Lined.....	286.27	6.98
40 05 31 43-0028	EA	1-1/4" 45 Degree Elbow, Polypropylene (PP) Lined .....	326.18	9.84
40 05 31 43-0029	EA	1-1/2" 45 Degree Elbow, Polypropylene (PP) Lined .....	329.32	11.08
40 05 31 43-0030	EA	2" 45 Degree Elbow, Polypropylene (PP) Lined.....	379.89	14.08
40 05 31 43-0031	EA	2-1/2" 45 Degree Elbow, Polypropylene (PP) Lined .....	509.71	20.86
40 05 31 43-0032	EA	3" 45 Degree Elbow, Polypropylene (PP) Lined.....	637.60	27.45
40 05 31 43-0033	EA	4" 45 Degree Elbow, Polypropylene (PP) Lined.....	834.69	32.59
40 05 31 43-0034	EA	6" 45 Degree Elbow, Polypropylene (PP) Lined.....	1,440.56	37.22
40 05 31 43-0035	EA	8" 45 Degree Elbow, Polypropylene (PP) Lined.....	2,188.49	43.48

**40 05 31 43-0036 Tees (40 05 31 43-0002)**

40 05 31 43-0037	EA	3/4" Tee, Polypropylene (PP) Lined.....	432.07	8.41
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 31 43-0038 EA 1" Tee, Polypropylene (PP) Lined.....	438.79	11.08
40 05 31 43-0039 EA 1-1/4" Tee, Polypropylene (PP) Lined.....	518.27	14.08
40 05 31 43-0040 EA 1-1/2" Tee, Polypropylene (PP) Lined.....	525.10	16.82
40 05 31 43-0041 EA 2" Tee, Polypropylene (PP) Lined.....	601.37	20.86
40 05 31 43-0042 EA 2-1/2" Tee, Polypropylene (PP) Lined.....	708.41	27.45
40 05 31 43-0043 EA 3" Tee, Polypropylene (PP) Lined.....	811.85	32.59
40 05 31 43-0044 EA 4" Tee, Polypropylene (PP) Lined.....	1,060.79	43.48
40 05 31 43-0045 EA 6" Tee, Polypropylene (PP) Lined.....	1,444.10	56.06
40 05 31 43-0046 EA 8" Tee, Polypropylene (PP) Lined.....	2,718.98	69.49
<b>40 05 31 43-0047 Crosses</b> <small>(40 05 31 43-0002)</small>		
40 05 31 43-0048 EA 3/4" Cross, Polypropylene (PP) Lined.....	616.72	11.21
40 05 31 43-0049 EA 1" Cross, Polypropylene (PP) Lined.....	623.88	14.08
40 05 31 43-0050 EA 1-1/4" Cross, Polypropylene (PP) Lined.....	763.45	19.81
40 05 31 43-0051 EA 1-1/2" Cross, Polypropylene (PP) Lined.....	769.39	22.16
40 05 31 43-0052 EA 2" Cross, Polypropylene (PP) Lined.....	872.15	28.16
40 05 31 43-0053 EA 2-1/2" Cross, Polypropylene (PP) Lined.....	1,018.33	41.72
40 05 31 43-0054 EA 3" Cross, Polypropylene (PP) Lined.....	1,349.37	54.75
40 05 31 43-0055 EA 4" Cross, Polypropylene (PP) Lined.....	1,517.05	65.19
40 05 31 43-0056 EA 6" Cross, Polypropylene (PP) Lined.....	2,625.43	74.58
40 05 31 43-0057 EA 8" Cross, Polypropylene (PP) Lined.....	3,317.80	87.02
<b>40 05 31 43-0058 Reducers</b> <small>(40 05 31 43-0002)</small>		
40 05 31 43-0059 EA 1" Reducer, Polypropylene (PP) Lined.....	567.10	6.98
40 05 31 43-0060 EA 1-1/4" Reducer, Polypropylene (PP) Lined.....	574.32	9.84
40 05 31 43-0061 EA 1-1/2" Reducer, Polypropylene (PP) Lined.....	577.46	11.08
40 05 31 43-0062 EA 2" Reducer, Polypropylene (PP) Lined.....	680.87	14.08
40 05 31 43-0063 EA 2-1/2" Reducer, Polypropylene (PP) Lined.....	790.03	20.86
40 05 31 43-0064 EA 3" Reducer, Polypropylene (PP) Lined.....	883.97	27.45
40 05 31 43-0065 EA 4" Reducer, Polypropylene (PP) Lined.....	1,151.41	32.59
40 05 31 43-0066 EA 6" Reducer, Polypropylene (PP) Lined.....	1,585.47	37.22
40 05 31 43-0067 EA 8" Reducer, Polypropylene (PP) Lined.....	2,554.71	43.48
<b>40 05 31 43-0068 Unions</b> <small>(40 05 31 43-0002)</small>		
40 05 31 43-0069 EA 3/4" Union, Polypropylene (PP) Lined.....	469.78	8.41
40 05 31 43-0070 EA 1" Union, Polypropylene (PP) Lined.....	540.60	11.08
40 05 31 43-0071 EA 1-1/4" Union, Polypropylene (PP) Lined.....	1,051.80	14.08
40 05 31 43-0072 EA 1-1/2" Union, Polypropylene (PP) Lined.....	1,192.35	16.82
40 05 31 43-0073 EA 2" Union, Polypropylene (PP) Lined.....	1,610.90	20.86
40 05 31 43-0074 EA 2-1/2" Union, Polypropylene (PP) Lined.....	2,339.88	27.45
40 05 31 43-0075 EA 3" Union, Polypropylene (PP) Lined.....	2,984.68	32.59
40 05 31 43-0076 EA 4" Union, Polypropylene (PP) Lined.....	4,627.35	43.48
40 05 31 43-0077 EA 6" Union, Polypropylene (PP) Lined.....	6,197.48	56.06
40 05 31 43-0078 EA 8" Union, Polypropylene (PP) Lined.....	10,167.29	69.49
<b>40 05 31 43-0079 Blind Flanges</b> <small>(40 05 31 43-0002)</small>		
40 05 31 43-0080 EA 3/4" Blind Flanges, Polypropylene (PP) Lined.....	96.42	8.41
40 05 31 43-0081 EA 1" Blind Flange, Polypropylene (PP) Lined.....	103.14	11.08
40 05 31 43-0082 EA 1-1/4" Blind Flange, Polypropylene (PP) Lined.....	117.70	14.08
40 05 31 43-0083 EA 1-1/2" Blind Flange, Polypropylene (PP) Lined.....	124.53	16.82
40 05 31 43-0084 EA 2" Blind Flange, Polypropylene (PP) Lined.....	144.04	20.86
40 05 31 43-0085 EA 2-1/2" Blind Flange, Polypropylene (PP) Lined.....	181.72	27.45
40 05 31 43-0086 EA 3" Blind Flange, Polypropylene (PP) Lined.....	215.79	32.59
40 05 31 43-0087 EA 4" Blind Flange, Polypropylene (PP) Lined.....	273.59	43.48
40 05 31 43-0088 EA 6" Blind Flange, Polypropylene (PP) Lined.....	404.03	56.06
40 05 31 43-0089 EA 8" Blind Flange, Polypropylene (PP) Lined.....	590.79	69.49
<b>40 05 31 43-0090 Filler Flanges</b> <small>(40 05 31 43-0002)</small>		
40 05 31 43-0091 EA 1" Filler Flange, Polypropylene (PP) Lined.....	345.83	11.08
40 05 31 43-0092 EA 1-1/4" Filler Flange, Polypropylene (PP) Lined.....	433.43	14.08
40 05 31 43-0093 EA 1-1/2" Filler Flange, Polypropylene (PP) Lined.....	485.03	16.82
40 05 31 43-0094 EA 2" Filler Flange, Polypropylene (PP) Lined.....	556.38	20.86
40 05 31 43-0095 EA 2-1/2" Filler Flange, Polypropylene (PP) Lined.....	645.90	27.45
40 05 31 43-0096 EA 3" Filler Flange, Polypropylene (PP) Lined.....	731.81	32.59
40 05 31 43-0097 EA 4" Filler Flange, Polypropylene (PP) Lined.....	912.12	43.48
40 05 31 43-0098 EA 6" Filler Flange, Polypropylene (PP) Lined.....	1,245.20	56.06
40 05 31 43-0099 EA 8" Filler Flange, Polypropylene (PP) Lined.....	1,740.63	69.49
<b>40 05 31 43-0100 Polypropylene (PP) Lined Gate Valves</b> <small>(40 05 31 43-0001)</small>		
40 05 31 43-0101 EA 1" Flanged Gate Valve, Polypropylene (PP) Lined.....	573.81	54.90
40 05 31 43-0102 EA 1-1/4" Flanged Gate Valve, Polypropylene (PP) Lined.....	647.43	61.76
40 05 31 43-0103 EA 1-1/2" Flanged Gate Valve, Polypropylene (PP) Lined.....	729.95	68.45
40 05 31 43-0104 EA 2" Flanged Gate Valve, Polypropylene (PP) Lined.....	869.55	86.90
40 05 31 43-0105 EA 2-1/2" Flanged Gate Valve, Polypropylene (PP) Lined.....	1,135.83	98.94

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 31 Thermoplastic Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 31	43-0106	EA	3" Flanged Gate Valve, Polypropylene (PP) Lined .....	1,402.11	110.96
40 05 31	43-0107	EA	4" Flanged Gate Valve, Polypropylene (PP) Lined .....	1,808.06	186.24
40 05 31	43-0108	EA	6" Flanged Gate Valve, Polypropylene (PP) Lined .....	2,876.46	235.52
40 05 31	43-0109	EA	8" Flanged Gate Valve, Polypropylene (PP) Lined .....	5,905.50	298.00
<b>40 05 31</b>	<b>43-0110</b>		<b>Polypropylene (PP) Lined Check Valves (40 05 31 43-0001)</b>		
40 05 31	43-0111	EA	1" Flanged Check Valve, Polypropylene (PP) Lined .....	644.66	54.90
40 05 31	43-0112	EA	1-1/4" Flanged Check Valve, Polypropylene (PP) Lined .....	727.40	61.76
40 05 31	43-0113	EA	1-1/2" Flanged Check Valve, Polypropylene (PP) Lined .....	820.30	68.45
40 05 31	43-0114	EA	2" Flanged Check Valve, Polypropylene (PP) Lined .....	976.26	86.90
40 05 31	43-0115	EA	2-1/2" Flanged Check Valve, Polypropylene (PP) Lined .....	1,277.79	98.94
40 05 31	43-0116	EA	3" Flanged Check Valve, Polypropylene (PP) Lined .....	1,579.30	110.96
40 05 31	43-0117	EA	4" Flanged Check Valve, Polypropylene (PP) Lined .....	2,028.99	186.24
40 05 31	43-0118	EA	6" Flanged Check Valve, Polypropylene (PP) Lined .....	3,238.60	235.52
40 05 31	43-0119	EA	8" Flanged Check Valve, Polypropylene (PP) Lined .....	6,681.50	298.00
<b>40 05 31</b>	<b>43-0120</b>		<b>Polypropylene (PP) Lined Plug Valves (40 05 31 43-0001)</b>		
40 05 31	43-0121	EA	1" Flanged Plug Valve, Polypropylene (PP) Lined .....	569.86	54.90
40 05 31	43-0122	EA	1-1/4" Flanged Plug Valve, Polypropylene (PP) Lined .....	643.31	61.76
40 05 31	43-0123	EA	1-1/2" Flanged Plug Valve, Polypropylene (PP) Lined .....	724.60	68.45
40 05 31	43-0124	EA	2" Flanged Plug Valve, Polypropylene (PP) Lined .....	863.46	86.90
40 05 31	43-0125	EA	2-1/2" Flanged Plug Valve, Polypropylene (PP) Lined .....	1,128.12	98.94
40 05 31	43-0126	EA	3" Flanged Plug Valve, Polypropylene (PP) Lined .....	1,392.78	110.96
40 05 31	43-0127	EA	4" Flanged Plug Valve, Polypropylene (PP) Lined .....	1,796.48	186.24
40 05 31	43-0128	EA	6" Flanged Plug Valve, Polypropylene (PP) Lined .....	2,857.60	235.52
40 05 31	43-0129	EA	8" Flanged Plug Valve, Polypropylene (PP) Lined .....	5,559.84	298.00
<b>40 05 31 53</b>			<b>PVDF Process Pipe (40 05 31)</b>		
40 05 31	53-0001		<b>Polyvinylidene Fluoride (PVDF) Kynar Lined Piping System (40 05 31 53)</b>		
40 05 31	53-0002		<b>Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe And Fittings (40 05 31 53-0001)</b>		
40 05 31	53-0003		<b>Pipe (40 05 31 53-0002)</b>		
40 05 31	53-0004	LF	3/4" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe .....	39.92	1.37
40 05 31	53-0005	LF	1" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe .....	40.14	1.50
40 05 31	53-0006	LF	1-1/4" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe .....	44.95	1.63
40 05 31	53-0007	LF	1-1/2" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe .....	45.01	1.63
40 05 31	53-0008	LF	2" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe .....	49.67	1.96
40 05 31	53-0009	LF	2-1/2" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe .....	63.71	2.35
40 05 31	53-0010	LF	3" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe .....	77.36	2.80
40 05 31	53-0011	LF	4" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe .....	108.46	4.24
40 05 31	53-0012	LF	6" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe .....	173.49	5.61
40 05 31	53-0013	LF	8" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe .....	268.48	6.72
<b>40 05 31 53-0014</b>			<b>90 Degree Elbows (40 05 31 53-0002)</b>		
40 05 31	53-0015	EA	3/4" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	222.67	5.61
40 05 31	53-0016	EA	1" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	226.03	6.98
40 05 31	53-0017	EA	1-1/4" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	280.18	9.84
40 05 31	53-0018	EA	1-1/2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	283.32	11.08
40 05 31	53-0019	EA	2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	337.30	14.08
40 05 31	53-0020	EA	2-1/2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	410.05	20.86
40 05 31	53-0021	EA	3" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	478.55	27.45
40 05 31	53-0022	EA	4" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	738.63	32.59
40 05 31	53-0023	EA	6" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	1,178.51	37.22
40 05 31	53-0024	EA	8" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	1,937.15	46.94
<b>40 05 31 53-0025</b>			<b>45 Degree Elbows (40 05 31 53-0002)</b>		
40 05 31	53-0026	EA	3/4" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	266.34	5.61
40 05 31	53-0027	EA	1" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	269.70	6.98
40 05 31	53-0028	EA	1-1/4" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	299.79	9.84
40 05 31	53-0029	EA	1-1/2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	302.93	11.08
40 05 31	53-0030	EA	2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	366.25	14.08
40 05 31	53-0031	EA	2-1/2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	425.75	20.86
40 05 31	53-0032	EA	3" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	539.77	27.45
40 05 31	53-0033	EA	4" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	769.41	32.59
40 05 31	53-0034	EA	6" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	1,261.96	37.22
40 05 31	53-0035	EA	8" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	1,658.58	43.48
<b>40 05 31 53-0036</b>			<b>Tees (40 05 31 53-0002)</b>		
40 05 31	53-0037	EA	3/4" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	357.68	8.41
40 05 31	53-0038	EA	1" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	364.40	11.08
40 05 31	53-0039	EA	1-1/4" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	409.17	14.08
40 05 31	53-0040	EA	1-1/2" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	416.00	16.82
40 05 31	53-0041	EA	2" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	504.23	20.86



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 31 53-0042 EA 2-1/2" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	650.00	27.45
40 05 31 53-0043 EA 3" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	675.45	32.59
40 05 31 53-0044 EA 4" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	1,016.72	43.48
40 05 31 53-0045 EA 6" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	1,549.38	56.06
40 05 31 53-0046 EA 8" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	2,322.62	69.49
<b>40 05 31 53-0047 Crosses</b> <small>(40 05 31 53-0002)</small>		
40 05 31 53-0048 EA 3/4" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	499.52	11.21
40 05 31 53-0049 EA 1" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	506.69	14.08
40 05 31 53-0050 EA 1-1/4" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	592.99	19.81
40 05 31 53-0051 EA 1-1/2" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	598.93	22.16
40 05 31 53-0052 EA 2" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	741.26	28.16
40 05 31 53-0053 EA 2-1/2" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	859.72	41.72
40 05 31 53-0054 EA 3" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	1,034.50	54.75
40 05 31 53-0055 EA 4" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	1,554.65	65.19
40 05 31 53-0056 EA 6" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	2,371.86	74.58
40 05 31 53-0057 EA 8" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	2,995.48	87.02
<b>40 05 31 53-0058 Reducers</b> <small>(40 05 31 53-0002)</small>		
40 05 31 53-0059 EA 1" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	343.63	6.98
40 05 31 53-0060 EA 1-1/4" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	350.85	9.84
40 05 31 53-0061 EA 1-1/2" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	353.99	11.08
40 05 31 53-0062 EA 2" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	369.72	14.08
40 05 31 53-0063 EA 2-1/2" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	407.75	20.86
40 05 31 53-0064 EA 3" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	490.89	27.45
40 05 31 53-0065 EA 4" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	625.16	32.59
40 05 31 53-0066 EA 6" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	1,011.60	37.22
40 05 31 53-0067 EA 8" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	1,515.30	43.48
<b>40 05 31 53-0068 Unions</b> <small>(40 05 31 53-0002)</small>		
40 05 31 53-0069 EA 3/4" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	495.06	8.41
40 05 31 53-0070 EA 1" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	569.50	11.08
40 05 31 53-0071 EA 1-1/4" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	1,109.07	14.08
40 05 31 53-0072 EA 1-1/2" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	1,257.15	16.82
40 05 31 53-0073 EA 2" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	1,698.71	20.86
40 05 31 53-0074 EA 2-1/2" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	2,467.84	27.45
40 05 31 53-0075 EA 3" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	3,148.24	32.59
40 05 31 53-0076 EA 4" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	4,881.92	43.48
40 05 31 53-0077 EA 6" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	6,538.68	56.06
40 05 31 53-0078 EA 8" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined .....	10,730.30	69.49
<b>40 05 31 53-0079 Blind Flanges</b> <small>(40 05 31 53-0002)</small>		
40 05 31 53-0080 EA 3/4" Blind Flanges, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	77.57	8.41
40 05 31 53-0081 EA 1" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	84.29	11.08
40 05 31 53-0082 EA 1-1/4" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	97.08	14.08
40 05 31 53-0083 EA 1-1/2" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	103.91	16.82
40 05 31 53-0084 EA 2" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	121.07	20.86
40 05 31 53-0085 EA 2-1/2" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	153.44	27.45
40 05 31 53-0086 EA 3" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	182.22	32.59
40 05 31 53-0087 EA 4" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	232.35	43.48
40 05 31 53-0088 EA 6" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	338.05	56.06
40 05 31 53-0089 EA 8" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	486.53	69.49
<b>40 05 31 53-0090 Filler Flanges</b> <small>(40 05 31 53-0002)</small>		
40 05 31 53-0091 EA 1" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	195.62	11.08
40 05 31 53-0092 EA 1-1/4" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	222.55	14.08
40 05 31 53-0093 EA 1-1/2" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	250.59	16.82
40 05 31 53-0094 EA 2" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	306.62	20.86
40 05 31 53-0095 EA 2-1/2" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	383.18	27.45
40 05 31 53-0096 EA 3" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	457.90	32.59
40 05 31 53-0097 EA 4" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	584.02	43.48
40 05 31 53-0098 EA 6" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	735.67	56.06
40 05 31 53-0099 EA 8" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	1,117.41	69.49
<b>40 05 31 53-0100 Polyvinylidene Fluoride (PVDF) Kynar Lined Gate Valves</b> <small>(40 05 31 53-0001)</small>		
40 05 31 53-0101 EA 1" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	602.27	54.90
40 05 31 53-0102 EA 1-1/4" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	679.55	61.76
40 05 31 53-0103 EA 1-1/2" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	766.24	68.45
40 05 31 53-0104 EA 2" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	912.41	86.92
40 05 31 53-0105 EA 2-1/2" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	1,192.86	98.94
40 05 31 53-0106 EA 3" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	1,473.29	110.96
40 05 31 53-0107 EA 4" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	1,896.81	186.24
40 05 31 53-0108 EA 6" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	3,021.93	235.52
40 05 31 53-0109 EA 8" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	6,217.22	298.00

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 31 Thermoplastic Process Pipe**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>40 05 31 53-0110</b>			<b>Polyvinylidene Fluoride (PVDF) Kynar Lined Check Valves (40 05 31 53-0001)</b>		
40 05 31 53-0111	EA		1" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	677.11	54.90
40 05 31 53-0112	EA		1-1/4" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	764.03	61.76
40 05 31 53-0113	EA		1-1/2" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	861.68	68.45
40 05 31 53-0114	EA		2" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	1,025.14	86.92
40 05 31 53-0115	EA		2-1/2" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	1,342.81	98.94
40 05 31 53-0116	EA		3" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	1,660.47	110.96
40 05 31 53-0117	EA		4" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	2,130.19	186.24
40 05 31 53-0118	EA		6" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	3,404.47	235.52
40 05 31 53-0119	EA		8" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	7,036.94	298.00
<b>40 05 31 53-0120</b>			<b>Polyvinylidene Fluoride (PVDF) Kynar Lined Plug Valves (40 05 31 53-0001)</b>		
40 05 31 53-0121	EA		1" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	598.10	54.90
40 05 31 53-0122	EA		1-1/4" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	675.20	61.76
40 05 31 53-0123	EA		1-1/2" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	760.60	68.45
40 05 31 53-0124	EA		2" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	905.98	86.92
40 05 31 53-0125	EA		2-1/2" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	1,184.71	98.94
40 05 31 53-0126	EA		3" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	1,463.43	110.96
40 05 31 53-0127	EA		4" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	1,884.57	186.24
40 05 31 53-0128	EA		6" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	3,002.00	235.52
40 05 31 53-0129	EA		8" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined.....	5,852.09	298.00
<b>40 05 31 56</b>			<b>Polyvinylidene Chloride (PVDC) Process Pipe (40 05 31)</b>		
<b>40 05 31 56-0001</b>			<b>Polyvinylidene Chloride (PVDC) Saran Lined Piping System (40 05 31 56)</b>		
<b>40 05 31 56-0002</b>			<b>Polyvinylidene Chloride (PVDC) Saran Lined Pipe And Fittings (40 05 31 56-0001)</b>		
<b>40 05 31 56-0003</b>			<b>Pipe (40 05 31 56-0002)</b>		
40 05 31 56-0004	LF		3/4" Polyvinylidene Chloride (PVDC) Saran Lined Pipe.....	27.78	1.37
40 05 31 56-0005	LF		1" Polyvinylidene Chloride (PVDC) Saran Lined Pipe.....	28.00	1.50
40 05 31 56-0006	LF		1-1/4" Polyvinylidene Chloride (PVDC) Saran Lined Pipe.....	31.30	1.63
40 05 31 56-0007	LF		1-1/2" Polyvinylidene Chloride (PVDC) Saran Lined Pipe.....	31.36	1.63
40 05 31 56-0008	LF		2" Polyvinylidene Chloride (PVDC) Saran Lined Pipe.....	34.74	1.96
40 05 31 56-0009	LF		2-1/2" Polyvinylidene Chloride (PVDC) Saran Lined Pipe.....	45.08	2.35
40 05 31 56-0010	LF		3" Polyvinylidene Chloride (PVDC) Saran Lined Pipe.....	53.91	2.80
40 05 31 56-0011	LF		4" Polyvinylidene Chloride (PVDC) Saran Lined Pipe.....	75.82	4.24
40 05 31 56-0012	LF		6" Polyvinylidene Chloride (PVDC) Saran Lined Pipe.....	120.33	5.61
40 05 31 56-0013	LF		8" Polyvinylidene Chloride (PVDC) Saran Lined Pipe.....	184.56	6.72
<b>40 05 31 56-0014</b>			<b>90 Degree Elbows (40 05 31 56-0002)</b>		
40 05 31 56-0015	EA		3/4" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined.....	195.45	5.61
40 05 31 56-0016	EA		1" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined.....	198.81	6.98
40 05 31 56-0017	EA		1-1/4" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined.....	246.84	9.84
40 05 31 56-0018	EA		1-1/2" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined.....	249.98	11.08
40 05 31 56-0019	EA		2" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined.....	297.90	14.08
40 05 31 56-0020	EA		2-1/2" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined.....	363.36	20.86
40 05 31 56-0021	EA		3" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined.....	425.07	27.45
40 05 31 56-0022	EA		4" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined.....	652.92	32.59
40 05 31 56-0023	EA		6" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined.....	1,036.93	37.22
40 05 31 56-0024	EA		8" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined.....	1,699.77	46.94
<b>40 05 31 56-0025</b>			<b>45 Degree Elbows (40 05 31 56-0002)</b>		
40 05 31 56-0026	EA		3/4" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined.....	233.43	5.61
40 05 31 56-0027	EA		1" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined.....	236.79	6.98
40 05 31 56-0028	EA		1-1/4" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined.....	263.90	9.84
40 05 31 56-0029	EA		1-1/2" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined.....	267.04	11.08
40 05 31 56-0030	EA		2" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined.....	323.07	14.08
40 05 31 56-0031	EA		2-1/2" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined.....	377.03	20.86
40 05 31 56-0032	EA		3" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined.....	478.30	27.45
40 05 31 56-0033	EA		4" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined.....	679.69	32.59
40 05 31 56-0034	EA		6" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined.....	1,109.50	37.22
40 05 31 56-0035	EA		8" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined.....	1,456.41	43.48
<b>40 05 31 56-0036</b>			<b>Tees (40 05 31 56-0002)</b>		
40 05 31 56-0037	EA		3/4" Tee, Polyvinylidene Chloride (PVDC) Saran Lined.....	314.19	8.41
40 05 31 56-0038	EA		1" Tee, Polyvinylidene Chloride (PVDC) Saran Lined.....	320.48	11.08
40 05 31 56-0039	EA		1-1/4" Tee, Polyvinylidene Chloride (PVDC) Saran Lined.....	360.39	14.08
40 05 31 56-0040	EA		1-1/2" Tee, Polyvinylidene Chloride (PVDC) Saran Lined.....	367.22	16.82
40 05 31 56-0041	EA		2" Tee, Polyvinylidene Chloride (PVDC) Saran Lined.....	445.26	20.86
40 05 31 56-0042	EA		2-1/2" Tee, Polyvinylidene Chloride (PVDC) Saran Lined.....	574.17	27.45
40 05 31 56-0043	EA		3" Tee, Polyvinylidene Chloride (PVDC) Saran Lined.....	597.97	32.59
40 05 31 56-0044	EA		4" Tee, Polyvinylidene Chloride (PVDC) Saran Lined.....	898.27	43.48
40 05 31 56-0045	EA		6" Tee, Polyvinylidene Chloride (PVDC) Saran Lined.....	1,365.56	56.06



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 31 56-0046 EA 8" Tee, Polyvinylidene Chloride (PVDC) Saran Lined.....	2,042.32	69.49
<b>40 05 31 56-0047 Crosses</b> <small>(40 05 31 56-0002)</small>		
40 05 31 56-0048 EA 3/4" Cross, Polyvinylidene Chloride (PVDC) Saran Lined .....	438.01	11.21
40 05 31 56-0049 EA 1" Cross, Polyvinylidene Chloride (PVDC) Saran Lined .....	445.18	14.08
40 05 31 56-0050 EA 1-1/4" Cross, Polyvinylidene Chloride (PVDC) Saran Lined .....	522.09	19.81
40 05 31 56-0051 EA 1-1/2" Cross, Polyvinylidene Chloride (PVDC) Saran Lined .....	528.03	22.16
40 05 31 56-0052 EA 2" Cross, Polyvinylidene Chloride (PVDC) Saran Lined .....	653.76	28.16
40 05 31 56-0053 EA 2-1/2" Cross, Polyvinylidene Chloride (PVDC) Saran Lined .....	761.18	41.72
40 05 31 56-0054 EA 3" Cross, Polyvinylidene Chloride (PVDC) Saran Lined .....	917.43	54.75
40 05 31 56-0055 EA 4" Cross, Polyvinylidene Chloride (PVDC) Saran Lined .....	1,373.13	65.19
40 05 31 56-0056 EA 6" Cross, Polyvinylidene Chloride (PVDC) Saran Lined .....	2,086.81	74.58
40 05 31 56-0057 EA 8" Cross, Polyvinylidene Chloride (PVDC) Saran Lined .....	4,289.74	87.02
<b>40 05 31 56-0058 Reducers</b> <small>(40 05 31 56-0002)</small>		
40 05 31 56-0059 EA 1" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined .....	286.89	6.98
40 05 31 56-0060 EA 1-1/4" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined.....	308.29	9.84
40 05 31 56-0061 EA 1-1/2" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined .....	311.43	11.08
40 05 31 56-0062 EA 2" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined .....	326.08	14.08
40 05 31 56-0063 EA 2-1/2" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined.....	407.75	20.86
40 05 31 56-0064 EA 3" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined .....	435.81	27.45
40 05 31 56-0065 EA 4" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined .....	554.24	32.59
40 05 31 56-0066 EA 6" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined .....	891.79	37.22
40 05 31 56-0067 EA 8" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined .....	1,331.81	43.48
<b>40 05 31 56-0068 Unions</b> <small>(40 05 31 56-0002)</small>		
40 05 31 56-0069 EA 3/4" Union, Polyvinylidene Chloride (PVDC) Saran Lined .....	431.86	8.41
40 05 31 56-0070 EA 1" Union, Polyvinylidene Chloride (PVDC) Saran Lined .....	497.26	11.08
40 05 31 56-0071 EA 1-1/4" Union, Polyvinylidene Chloride (PVDC) Saran Lined .....	965.89	14.08
40 05 31 56-0072 EA 1-1/2" Union, Polyvinylidene Chloride (PVDC) Saran Lined .....	1,095.14	16.82
40 05 31 56-0073 EA 2" Union, Polyvinylidene Chloride (PVDC) Saran Lined .....	1,479.17	20.86
40 05 31 56-0074 EA 2-1/2" Union, Polyvinylidene Chloride (PVDC) Saran Lined .....	2,147.94	27.45
40 05 31 56-0075 EA 3" Union, Polyvinylidene Chloride (PVDC) Saran Lined .....	2,739.34	32.59
40 05 31 56-0076 EA 4" Union, Polyvinylidene Chloride (PVDC) Saran Lined .....	4,245.49	43.48
40 05 31 56-0077 EA 6" Union, Polyvinylidene Chloride (PVDC) Saran Lined .....	5,685.54	56.06
40 05 31 56-0078 EA 8" Union, Polyvinylidene Chloride (PVDC) Saran Lined .....	9,322.76	69.49
<b>40 05 31 56-0079 Blind Flanges</b> <small>(40 05 31 56-0002)</small>		
40 05 31 56-0080 EA 3/4" Blind Flanges, Polyvinylidene Chloride (PVDC) Saran Lined .....	70.03	8.41
40 05 31 56-0081 EA 1" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined.....	76.75	11.08
40 05 31 56-0082 EA 1-1/4" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined.....	88.83	14.08
40 05 31 56-0083 EA 1-1/2" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined.....	95.66	16.82
40 05 31 56-0084 EA 2" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined .....	111.88	20.86
40 05 31 56-0085 EA 2-1/2" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined.....	142.13	27.45
40 05 31 56-0086 EA 3" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined.....	168.79	32.59
40 05 31 56-0087 EA 4" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined.....	215.86	43.48
40 05 31 56-0088 EA 6" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined.....	311.66	56.06
40 05 31 56-0089 EA 8" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined.....	444.82	69.49
<b>40 05 31 56-0090 Filler Flanges</b> <small>(40 05 31 56-0002)</small>		
40 05 31 56-0091 EA 1" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined .....	173.24	11.08
40 05 31 56-0092 EA 1-1/4" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined.....	197.57	14.08
40 05 31 56-0093 EA 1-1/2" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined.....	222.78	16.82
40 05 31 56-0094 EA 2" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined .....	272.69	20.86
40 05 31 56-0095 EA 2-1/2" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined.....	341.24	27.45
40 05 31 56-0096 EA 3" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined .....	407.71	32.59
40 05 31 56-0097 EA 4" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined .....	520.64	43.48
40 05 31 56-0098 EA 6" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined.....	656.26	56.06
40 05 31 56-0099 EA 8" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined.....	991.59	69.49
<b>40 05 31 56-0100 Polyvinylidene Chloride (PVDC) Saran Lined Gate Valves</b> <small>(40 05 31 56-0001)</small>		
40 05 31 56-0101 EA 1" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined .....	531.11	54.90
40 05 31 56-0102 EA 1-1/4" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined.....	599.24	61.76
40 05 31 56-0103 EA 1-1/2" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined.....	675.51	68.45
40 05 31 56-0104 EA 2" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined .....	805.25	86.92
40 05 31 56-0105 EA 2-1/2" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined.....	1,050.30	98.94
40 05 31 56-0106 EA 3" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined .....	1,295.34	110.96
40 05 31 56-0107 EA 4" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined .....	1,674.94	186.24
40 05 31 56-0108 EA 6" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined .....	2,658.26	235.52
40 05 31 56-0109 EA 8" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined .....	5,437.92	298.00
<b>40 05 31 56-0110 Polyvinylidene Chloride (PVDC) Saran Lined Check Valves</b> <small>(40 05 31 56-0001)</small>		
40 05 31 56-0111 EA 1" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined.....	595.98	54.90

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 31 Thermoplastic Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 31 56-0112	EA		1-1/4" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined.....	672.46	61.76
40 05 31 56-0113	EA		1-1/2" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined.....	758.22	68.45
40 05 31 56-0114	EA		2" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined.....	902.94	86.92
40 05 31 56-0115	EA		2-1/2" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined.....	1,180.26	98.94
40 05 31 56-0116	EA		3" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined.....	1,457.56	110.96
40 05 31 56-0117	EA		4" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined.....	1,877.20	186.24
40 05 31 56-0118	EA		6" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined.....	2,989.79	235.52
40 05 31 56-0119	EA		8" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined.....	6,148.35	298.00
<b>40 05 31 56-0120</b>			<b>Polyvinylidene Chloride (PVDC) Saran Lined Plug Valves</b> (40 05 31 56-0001)		
40 05 31 56-0121	EA		1" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined.....	527.50	54.90
40 05 31 56-0122	EA		1-1/4" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined.....	595.47	61.76
40 05 31 56-0123	EA		1-1/2" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined.....	670.62	68.45
40 05 31 56-0124	EA		2" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined.....	799.67	86.92
40 05 31 56-0125	EA		2-1/2" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined.....	1,043.24	98.94
40 05 31 56-0126	EA		3" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined.....	1,286.80	110.96
40 05 31 56-0127	EA		4" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined.....	1,664.34	186.24
40 05 31 56-0128	EA		6" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined.....	2,640.99	235.52
40 05 31 56-0129	EA		8" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined.....	5,121.48	298.00
<b>40 05 38 PTFE Process Pipe</b>			(40 05)		
<b>40 05 38 00-0001</b>			<b>Polytetrafluoroethylene (PTFE) Lined Piping System</b> (40 05 38)		
<b>40 05 38 00-0002</b>			<b>Polytetrafluoroethylene (PTFE) Lined Pipe And Fittings</b> (40 05 38 00-0001)		
<b>40 05 38 00-0003</b>			<b>Polytetrafluoroethylene (PTFE) Lined Pipe</b> (40 05 38 00-0002)		
40 05 38 00-0004	LF		3/4" Polytetrafluoroethylene (PTFE) Lined Pipe.....	77.34	1.37
40 05 38 00-0005	LF		1" Polytetrafluoroethylene (PTFE) Lined Pipe.....	115.26	1.50
40 05 38 00-0006	LF		1-1/4" Polytetrafluoroethylene (PTFE) Lined Pipe.....	128.70	1.63
40 05 38 00-0007	LF		1-1/2" Polytetrafluoroethylene (PTFE) Lined Pipe.....	141.91	1.63
40 05 38 00-0008	LF		2" Polytetrafluoroethylene (PTFE) Lined Pipe.....	155.45	1.96
40 05 38 00-0009	LF		2-1/2" Polytetrafluoroethylene (PTFE) Lined Pipe.....	205.00	2.35
40 05 38 00-0010	LF		3" Polytetrafluoroethylene (PTFE) Lined Pipe.....	246.36	2.80
40 05 38 00-0011	LF		4" Polytetrafluoroethylene (PTFE) Lined Pipe.....	355.19	4.24
40 05 38 00-0012	LF		6" Polytetrafluoroethylene (PTFE) Lined Pipe.....	664.34	5.61
40 05 38 00-0013	LF		8" Polytetrafluoroethylene (PTFE) Lined Pipe.....	1,185.41	6.72
<b>40 05 38 00-0014</b>			<b>90 Degree Elbows</b> (40 05 38 00-0002)		
40 05 38 00-0015	EA		3/4" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined.....	520.61	5.61
40 05 38 00-0016	EA		1" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined.....	523.97	6.98
40 05 38 00-0017	EA		1-1/4" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined.....	547.68	9.84
40 05 38 00-0018	EA		1-1/2" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined.....	550.82	11.08
40 05 38 00-0019	EA		2" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined.....	633.71	14.08
40 05 38 00-0020	EA		2-1/2" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined.....	801.43	20.86
40 05 38 00-0021	EA		3" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined.....	968.70	27.45
40 05 38 00-0022	EA		4" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined.....	1,438.68	32.59
40 05 38 00-0023	EA		6" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined.....	2,246.71	37.22
40 05 38 00-0024	EA		8" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined.....	3,524.43	46.94
<b>40 05 38 00-0025</b>			<b>45 Degree Elbows</b> (40 05 38 00-0002)		
40 05 38 00-0026	EA		3/4" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined.....	440.50	5.61
40 05 38 00-0027	EA		1" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined.....	443.86	6.98
40 05 38 00-0028	EA		1-1/4" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined.....	502.91	9.84
40 05 38 00-0029	EA		1-1/2" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined.....	506.05	11.08
40 05 38 00-0030	EA		2" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined.....	581.87	14.08
40 05 38 00-0031	EA		2-1/2" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined.....	777.87	20.86
40 05 38 00-0032	EA		3" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined.....	971.05	27.45
40 05 38 00-0033	EA		4" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined.....	1,276.10	32.59
40 05 38 00-0034	EA		6" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined.....	2,230.22	37.22
40 05 38 00-0035	EA		8" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined.....	3,407.37	43.48
<b>40 05 38 00-0036</b>			<b>Tees</b> (40 05 38 00-0002)		
40 05 38 00-0037	EA		3/4" Tee, Polytetrafluoroethylene (PTFE) Lined.....	855.12	8.41
40 05 38 00-0038	EA		1" Tee, Polytetrafluoroethylene (PTFE) Lined.....	861.84	11.08
40 05 38 00-0039	EA		1-1/4" Tee, Polytetrafluoroethylene (PTFE) Lined.....	1,015.42	14.08
40 05 38 00-0040	EA		1-1/2" Tee, Polytetrafluoroethylene (PTFE) Lined.....	1,022.25	16.82
40 05 38 00-0041	EA		2" Tee, Polytetrafluoroethylene (PTFE) Lined.....	1,166.64	20.86
40 05 38 00-0042	EA		2-1/2" Tee, Polytetrafluoroethylene (PTFE) Lined.....	1,366.90	27.45
40 05 38 00-0043	EA		3" Tee, Polytetrafluoroethylene (PTFE) Lined.....	1,563.56	32.59
40 05 38 00-0044	EA		4" Tee, Polytetrafluoroethylene (PTFE) Lined.....	2,040.75	43.48
40 05 38 00-0045	EA		6" Tee, Polytetrafluoroethylene (PTFE) Lined.....	2,786.17	56.06
40 05 38 00-0046	EA		8" Tee, Polytetrafluoroethylene (PTFE) Lined.....	5,338.59	69.49
<b>40 05 38 00-0047</b>			<b>Crosses</b> (40 05 38 00-0002)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 38 00-0048 EA 3/4" Cross, Polytetrafluoroethylene (PTFE) Lined .....	1,213.22	11.21
40 05 38 00-0049 EA 1" Cross, Polytetrafluoroethylene (PTFE) Lined .....	1,220.38	14.08
40 05 38 00-0050 EA 1-1/4" Cross, Polytetrafluoroethylene (PTFE) Lined .....	1,486.84	19.81
40 05 38 00-0051 EA 1-1/2" Cross, Polytetrafluoroethylene (PTFE) Lined .....	1,492.78	22.16
40 05 38 00-0052 EA 2" Cross, Polytetrafluoroethylene (PTFE) Lined .....	1,684.48	28.16
40 05 38 00-0053 EA 2-1/2" Cross, Polytetrafluoroethylene (PTFE) Lined .....	1,944.51	41.72
40 05 38 00-0054 EA 3" Cross, Polytetrafluoroethylene (PTFE) Lined .....	2,577.95	54.75
40 05 38 00-0055 EA 4" Cross, Polytetrafluoroethylene (PTFE) Lined .....	2,889.12	65.19
40 05 38 00-0056 EA 6" Cross, Polytetrafluoroethylene (PTFE) Lined .....	5,096.82	74.58
40 05 38 00-0057 EA 8" Cross, Polytetrafluoroethylene (PTFE) Lined .....	6,459.22	87.02
<b>40 05 38 00-0058 Reducers</b> <small>(40 05 38 00-0002)</small>		
40 05 38 00-0059 EA 1" Reducer, Polytetrafluoroethylene (PTFE) Lined .....	719.54	6.98
40 05 38 00-0060 EA 1-1/4" Reducer, Polytetrafluoroethylene (PTFE) Lined .....	726.76	9.84
40 05 38 00-0061 EA 1-1/2" Reducer, Polytetrafluoroethylene (PTFE) Lined .....	729.90	11.08
40 05 38 00-0062 EA 2" Reducer, Polytetrafluoroethylene (PTFE) Lined .....	859.91	14.08
40 05 38 00-0063 EA 2-1/2" Reducer, Polytetrafluoroethylene (PTFE) Lined .....	994.64	20.86
40 05 38 00-0064 EA 3" Reducer, Polytetrafluoroethylene (PTFE) Lined .....	1,110.07	27.45
40 05 38 00-0065 EA 4" Reducer, Polytetrafluoroethylene (PTFE) Lined .....	1,448.10	32.59
40 05 38 00-0066 EA 6" Reducer, Polytetrafluoroethylene (PTFE) Lined .....	1,999.31	37.22
40 05 38 00-0067 EA 8" Reducer, Polytetrafluoroethylene (PTFE) Lined .....	3,233.01	43.48
<b>40 05 38 00-0068 Unions</b> <small>(40 05 38 00-0002)</small>		
40 05 38 00-0069 EA 3/4" Union, Polytetrafluoroethylene (PTFE) Lined .....	653.08	8.41
40 05 38 00-0070 EA 1" Union, Polytetrafluoroethylene (PTFE) Lined .....	750.08	11.08
40 05 38 00-0071 EA 1-1/4" Union, Polytetrafluoroethylene (PTFE) Lined .....	1,467.01	14.08
40 05 38 00-0072 EA 1-1/2" Union, Polytetrafluoroethylene (PTFE) Lined .....	1,662.18	16.82
40 05 38 00-0073 EA 2" Union, Polytetrafluoroethylene (PTFE) Lined .....	2,247.57	20.86
40 05 38 00-0074 EA 2-1/2" Union, Polytetrafluoroethylene (PTFE) Lined .....	3,267.58	27.45
40 05 38 00-0075 EA 3" Union, Polytetrafluoroethylene (PTFE) Lined .....	4,170.49	32.59
40 05 38 00-0076 EA 4" Union, Polytetrafluoroethylene (PTFE) Lined .....	6,473.01	43.48
40 05 38 00-0077 EA 6" Union, Polytetrafluoroethylene (PTFE) Lined .....	8,671.59	56.06
40 05 38 00-0078 EA 8" Union, Polytetrafluoroethylene (PTFE) Lined .....	14,249.16	69.49
<b>40 05 38 00-0079 Blind Flanges</b> <small>(40 05 38 00-0002)</small>		
40 05 38 00-0080 EA 3/4" Blind Flange, Polytetrafluoroethylene (PTFE) Lined .....	96.42	8.41
40 05 38 00-0081 EA 1" Blind Flange, Polytetrafluoroethylene (PTFE) Lined .....	103.14	11.08
40 05 38 00-0082 EA 1-1/4" Blind Flange, Polytetrafluoroethylene (PTFE) Lined .....	117.70	14.08
40 05 38 00-0083 EA 1-1/2" Blind Flange, Polytetrafluoroethylene (PTFE) Lined .....	124.53	16.82
40 05 38 00-0084 EA 2" Blind Flange, Polytetrafluoroethylene (PTFE) Lined .....	144.04	20.86
40 05 38 00-0085 EA 2-1/2" Blind Flange, Polytetrafluoroethylene (PTFE) Lined .....	181.72	27.45
40 05 38 00-0086 EA 3" Blind Flange, Polytetrafluoroethylene (PTFE) Lined .....	215.79	32.59
40 05 38 00-0087 EA 4" Blind Flange, Polytetrafluoroethylene (PTFE) Lined .....	273.59	43.48
40 05 38 00-0088 EA 6" Blind Flange, Polytetrafluoroethylene (PTFE) Lined .....	404.03	56.06
40 05 38 00-0089 EA 8" Blind Flange, Polytetrafluoroethylene (PTFE) Lined .....	590.79	69.49
<b>40 05 38 00-0090 Filler Flanges</b> <small>(40 05 38 00-0002)</small>		
40 05 38 00-0091 EA 1" Filler Flange, Polytetrafluoroethylene (PTFE) Lined .....	251.58	11.08
40 05 38 00-0092 EA 1-1/4" Filler Flange, Polytetrafluoroethylene (PTFE) Lined .....	284.99	14.08
40 05 38 00-0093 EA 1-1/2" Filler Flange, Polytetrafluoroethylene (PTFE) Lined .....	320.09	16.82
40 05 38 00-0094 EA 2" Filler Flange, Polytetrafluoroethylene (PTFE) Lined .....	391.45	20.86
40 05 38 00-0095 EA 2-1/2" Filler Flange, Polytetrafluoroethylene (PTFE) Lined .....	488.03	27.45
40 05 38 00-0096 EA 3" Filler Flange, Polytetrafluoroethylene (PTFE) Lined .....	583.37	32.59
40 05 38 00-0097 EA 4" Filler Flange, Polytetrafluoroethylene (PTFE) Lined .....	742.47	43.48
40 05 38 00-0098 EA 6" Filler Flange, Polytetrafluoroethylene (PTFE) Lined .....	934.18	56.06
40 05 38 00-0099 EA 8" Filler Flange, Polytetrafluoroethylene (PTFE) Lined .....	1,431.96	69.49
<b>40 05 38 00-0100 Polytetrafluoroethylene (PTFE) Lined Gate Valves</b> <small>(40 05 38 00-0001)</small>		
40 05 38 00-0101 EA 1" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined .....	780.15	54.90
40 05 38 00-0102 EA 1-1/4" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined .....	880.34	61.76
40 05 38 00-0103 EA 1-1/2" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined .....	993.06	68.45
40 05 38 00-0104 EA 2" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined .....	1,180.34	86.92
40 05 38 00-0105 EA 2-1/2" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined .....	1,549.25	98.94
40 05 38 00-0106 EA 3" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined .....	1,918.15	110.96
40 05 38 00-0107 EA 4" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined .....	2,451.48	186.24
40 05 38 00-0108 EA 6" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined .....	3,931.11	235.52
40 05 38 00-0109 EA 8" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined .....	8,165.45	298.00
<b>40 05 38 00-0110 Polytetrafluoroethylene (PTFE) Lined Check Valves</b> <small>(40 05 38 00-0001)</small>		
40 05 38 00-0111 EA 1" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined .....	879.94	54.90
40 05 38 00-0112 EA 1-1/4" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined .....	992.98	61.76
40 05 38 00-0113 EA 1-1/2" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined .....	1,120.31	68.45
40 05 38 00-0114 EA 2" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined .....	1,330.64	86.92
40 05 38 00-0115 EA 2-1/2" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined .....	1,749.19	98.94



**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 38 PTFE Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 38 00-0116	EA		3" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined.....	2,167.72	110.96
40 05 38 00-0117	EA		4" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined.....	2,762.65	186.24
40 05 38 00-0118	EA		6" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined.....	4,441.16	235.52
40 05 38 00-0119	EA		8" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined.....	9,258.42	298.00
<b>40 05 38 00-0120</b>			<b>Polytetrafluoroethylene (PTFE) Lined Plug Valves (40 05 38 00-0001)</b>		
40 05 38 00-0121	EA		1" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined.....	774.59	54.90
40 05 38 00-0122	EA		1-1/4" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined.....	874.53	61.76
40 05 38 00-0123	EA		1-1/2" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined.....	985.54	68.45
40 05 38 00-0124	EA		2" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined.....	1,171.76	86.92
40 05 38 00-0125	EA		2-1/2" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined.....	1,538.39	98.94
40 05 38 00-0126	EA		3" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined.....	1,905.01	110.96
40 05 38 00-0127	EA		4" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined.....	2,435.16	186.24
40 05 38 00-0128	EA		6" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined.....	3,904.54	235.52
40 05 38 00-0129	EA		8" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined.....	7,678.61	298.00
<b>40 05 41 Glass Process Pipe (40 05)</b>					
40 05 41 00-0001			<b>Glass Pressure Pipe (40 05 41)</b>		
40 05 41 00-0002			<b>Glass Pipe, Beaded Joints (40 05 41 00-0001)</b>		
40 05 41 00-0003	LF		1/2" Glass Pipe, Pressure.....	26.83	9.78
			<i>For Work In Restricted Working Space, Add</i>	5.87	
40 05 41 00-0004	LF		3/4" Glass Pipe, Pressure.....	32.19	11.74
			<i>For Work In Restricted Working Space, Add</i>	7.04	
40 05 41 00-0005	LF		1" Glass Pipe, Pressure.....	37.43	13.04
			<i>For Work In Restricted Working Space, Add</i>	7.82	
40 05 41 00-0006	LF		1-1/2" Glass Pipe, Pressure.....	49.42	17.60
			<i>For Work In Restricted Working Space, Add</i>	10.56	
40 05 41 00-0007	LF		2" Glass Pipe, Pressure.....	60.55	20.86
			<i>For Work In Restricted Working Space, Add</i>	12.52	
40 05 41 00-0008	LF		3" Glass Pipe, Pressure.....	75.11	24.12
			<i>For Work In Restricted Working Space, Add</i>	14.47	
40 05 41 00-0009	LF		4" Glass Pipe, Pressure.....	102.83	32.59
			<i>For Work In Restricted Working Space, Add</i>	19.56	
40 05 41 00-0010	LF		6" Glass Pipe, Pressure.....	145.74	39.11
			<i>For Work In Restricted Working Space, Add</i>	23.47	
40 05 41 00-0011			<b>Glass 90 Degree Elbows (40 05 41 00-0001)</b>		
40 05 41 00-0012	EA		1/2" 90 Degree Elbow, Glass, Pressure.....	121.29	52.15
			<i>For Work In Restricted Working Space, Add</i>	31.29	
40 05 41 00-0013	EA		3/4" 90 Degree Elbow, Glass, Pressure.....	130.84	55.41
			<i>For Work In Restricted Working Space, Add</i>	33.25	
40 05 41 00-0014	EA		1" 90 Degree Elbow, Glass, Pressure.....	143.53	58.67
			<i>For Work In Restricted Working Space, Add</i>	35.20	
40 05 41 00-0015	EA		1-1/2" 90 Degree Elbow, Glass, Pressure.....	158.32	65.19
			<i>For Work In Restricted Working Space, Add</i>	39.11	
40 05 41 00-0016	EA		2" 90 Degree Elbow, Glass, Pressure.....	180.67	71.70
			<i>For Work In Restricted Working Space, Add</i>	43.03	
40 05 41 00-0017	EA		3" 90 Degree Elbow, Glass, Pressure.....	228.83	84.74
			<i>For Work In Restricted Working Space, Add</i>	50.84	
40 05 41 00-0018	EA		4" 90 Degree Elbow, Glass, Pressure.....	265.13	91.27
			<i>For Work In Restricted Working Space, Add</i>	54.75	
40 05 41 00-0019	EA		6" 90 Degree Elbow, Glass, Pressure.....	423.96	104.30
			<i>For Work In Restricted Working Space, Add</i>	62.59	
40 05 41 00-0020			<b>Glass 45 Degree Elbows (40 05 41 00-0001)</b>		
40 05 41 00-0021	EA		1/2" 45 Degree Elbow, Glass, Pressure.....	120.61	52.15
			<i>For Work In Restricted Working Space, Add</i>	31.29	
40 05 41 00-0022	EA		3/4" 45 Degree Elbow, Glass, Pressure.....	130.05	55.41
			<i>For Work In Restricted Working Space, Add</i>	33.25	
40 05 41 00-0023	EA		1" 45 Degree Elbow, Glass, Pressure.....	142.48	58.67
			<i>For Work In Restricted Working Space, Add</i>	35.20	
40 05 41 00-0024	EA		1-1/2" 45 Degree Elbow, Glass, Pressure.....	157.20	65.19
			<i>For Work In Restricted Working Space, Add</i>	39.11	
40 05 41 00-0025	EA		2" 45 Degree Elbow, Glass, Pressure.....	179.16	71.70
			<i>For Work In Restricted Working Space, Add</i>	43.02	
40 05 41 00-0026	EA		3" 45 Degree Elbow, Glass, Pressure.....	226.48	84.74
			<i>For Work In Restricted Working Space, Add</i>	50.85	
40 05 41 00-0027	EA		4" 45 Degree Elbow, Glass, Pressure.....	261.83	91.27
			<i>For Work In Restricted Working Space, Add</i>	54.75	
40 05 41 00-0028	EA		6" 45 Degree Elbow, Glass, Pressure.....	415.26	104.30
			<i>For Work In Restricted Working Space, Add</i>	62.56	
40 05 41 00-0029			<b>Glass Tees (40 05 41 00-0001)</b>		
40 05 41 00-0030	EA		1/2" Tee, Glass, Pressure.....	185.58	78.23
			<i>For Work In Restricted Working Space, Add</i>	46.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 41 00-0031 EA 3/4" Tee, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	198.98 50.85	84.74
40 05 41 00-0032 EA 1" Tee, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	215.08 54.75	91.27
40 05 41 00-0033 EA 1-1/2" Tee, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	243.24 58.66	97.78
40 05 41 00-0034 EA 2" Tee, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	271.01 64.54	107.56
40 05 41 00-0035 EA 3" Tee, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	329.42 78.23	130.38
40 05 41 00-0036 EA 4" Tee, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	388.90 82.10	136.83
40 05 41 00-0037 EA 6" Tee, Glass, Pressure..... <i>For Work In Restricted Working Space, Add</i>	514.17 93.84	156.39
<b>40 05 41 00-0038 Glass Couplings, Vitron Liner (40 05 41 00-0001)</b>		
40 05 41 00-0039 EA 1/2" Coupling, Vitron Liner, Glass.....	24.44	
40 05 41 00-0040 EA 3/4" Coupling, Vitron Liner, Glass.....	27.94	
40 05 41 00-0041 EA 1" Coupling, Vitron Liner, Glass.....	32.59	
40 05 41 00-0042 EA 1-1/2" Coupling, Vitron Liner, Glass.....	37.25	
40 05 41 00-0043 EA 2" Coupling, Vitron Liner, Glass.....	44.81	
40 05 41 00-0044 EA 3" Coupling, Vitron Liner, Glass.....	82.06	
40 05 41 00-0045 EA 4" Coupling, Vitron Liner, Glass.....	98.94	
40 05 41 00-0046 EA 6" Coupling, Vitron Liner, Glass.....	197.88	
<b>40 05 71 Solids Handling Valves (40 05)</b>		
<b>40 05 71 16 Flap Gates (40 05 71)</b>		
<b>40 05 71 16-0001 Cast Iron, Flap Valves (40 05 71 16)</b>		
40 05 71 16-0002 EA 3" Cast Iron, Flap Valve (Troy A25406/04-03).....	369.68	62.41
40 05 71 16-0003 EA 4" Cast Iron, Flap Valve (Troy A25406/04).....	465.17	104.77
40 05 71 16-0004 EA 6" Cast Iron, Flap Valve (Troy A25406/06).....	519.41	117.47
40 05 71 16-0005 EA 8" Cast Iron, Flap Valve (Troy A25406/08).....	763.84	148.63
40 05 71 16-0006 EA 10" Cast Iron, Flap Valve (Troy A25406/10).....	1,003.88	182.07
40 05 71 16-0007 EA 12" Cast Iron, Flap Valve (Troy A25406/12).....	1,154.84	220.69
40 05 71 16-0008 EA 14" Cast Iron, Flap Valve (Troy A25406/14).....	2,199.88	278.08
40 05 71 16-0009 EA 16" Cast Iron, Flap Valve (Troy A25406/16).....	3,030.17	611.77
40 05 71 16-0010 EA 18" Cast Iron, Flap Valve (Troy A25406/18).....	3,092.88	339.25
40 05 71 16-0011 EA 20" Cast Iron, Flap Valve (Troy A25406/20).....	3,782.50	382.35
40 05 71 16-0012 EA 24" Cast Iron, Flap Valve (Troy A25406/24).....	4,886.22	469.26
40 05 71 16-0013 EA 30" Cast Iron, Flap Valve (Troy A25406/30).....	10,109.29	805.85
<b>40 05 71 23 Mud Valves (40 05 71)</b>		
<b>40 05 71 23-0001 Cast Iron, Non Rising Stem, Mud Valves (40 05 71 23)</b>		
40 05 71 23-0002 EA 3" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/03).....	514.08	41.60
40 05 71 23-0003 EA 4" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/04).....	585.75	69.84
40 05 71 23-0004 EA 6" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/06).....	624.18	78.32
40 05 71 23-0005 EA 8" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/08).....	811.04	99.09
40 05 71 23-0006 EA 10" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/10).....	1,219.61	121.38
40 05 71 23-0007 EA 12" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/12).....	1,430.93	147.13
40 05 71 23-0008 EA 14" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/14).....	2,703.45	185.38
40 05 71 23-0009 EA 16" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/16).....	3,551.72	407.84
40 05 71 23-0010 EA 18" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/18).....	3,613.69	226.17
40 05 71 23-0011 EA 20" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/20).....	3,994.83	254.91
40 05 71 23-0012 EA 24" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/24).....	5,069.50	312.83
40 05 71 23-0013 EA 30" Cast Iron, Non Rising Stem, Mud Valve (Troy A25600RB/30).....	7,927.15	537.23
<b>40 05 71 23-0014 Cast 316 Stainless Steel, Non Rising Stem, Mud Valve (40 05 71 23)</b>		
40 05 71 23-0015 EA 4" Cast 316 Stainless Steel, Non Rising Stem, Mud Valve (Troy A25600RB/04CSS).....	1,034.39	69.84
40 05 71 23-0016 EA 6" Cast 316 Stainless Steel, Non Rising Stem, Mud Valve (Troy A25600RB/06CSS).....	1,269.38	78.32
40 05 71 23-0017 EA 8" Cast 316 Stainless Steel, Non Rising Stem, Mud Valve (Troy A25600RB/08CSS).....	1,967.27	99.09
40 05 71 23-0018 EA 10" Cast 316 Stainless Steel, Non Rising Stem, Mud Valve (Troy A25600RB/10CSS).....	2,383.14	121.38
40 05 71 23-0019 EA 12" Cast 316 Stainless Steel, Non Rising Stem, Mud Valve (Troy A25600RB/12CSS).....	3,122.80	147.13
<b>40 05 71 23-0020 Cast Iron, Rising Stem, Mud Valves (40 05 71 23)</b>		
40 05 71 23-0021 EA 4" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/04).....	737.79	69.84
40 05 71 23-0022 EA 6" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/06).....	803.17	78.32
40 05 71 23-0023 EA 8" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/08).....	1,023.29	99.09
40 05 71 23-0024 EA 10" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/10).....	1,591.92	121.38
40 05 71 23-0025 EA 12" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/12).....	2,075.90	147.13
40 05 71 23-0026 EA 16" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/16).....	3,691.19	407.84
40 05 71 23-0027 EA 18" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/18).....	3,958.55	226.17

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 71 Solids Handling Valves**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 71 23-0028	Cast 316 Stainless Steel, Rising Stem, Mud Valves <small>(40 05 71 23)</small>			
40 05 71 23-0029	EA	4" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/04CSS)	1,217.99	69.84
40 05 71 23-0030	EA	6" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/06CSS)	1,497.15	78.32
40 05 71 23-0031	EA	8" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/08CSS)	2,003.88	99.09
40 05 71 23-0032	EA	10" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/10CSS)	2,819.30	121.38
40 05 71 23-0033	EA	12" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/12CSS)	3,977.91	147.13

**40 20 Liquids Process Piping (40)****40 23 Water and Wastewater Process Piping (40 20)****40 23 51 Water and Wastewater Process Valves (40 23)**

40 23 51 00-0001	Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valves <small>(40 23 51)</small>			
40 23 51 00-0002	EA	2" Lever Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Gas Service Eccentric Plug Valve (DeZurik PEC,2,F1,Ci,T,NBR*LV)	394.51	94.39
40 23 51 00-0003	EA	3" Lever Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Gas Service Eccentric Plug Valve (DeZurik PEC,3,F1,Ci,T,NBR*LV)	606.40	120.52
40 23 51 00-0004	EA	4" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,4,F1,Ci,T,NBR,1304G0*GS-6-HD8)	1,215.33	185.79
40 23 51 00-0005	EA	4" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,4,F1,Ci,T,NBR,1304G0*GS-6-CW8)	1,372.70	185.79
40 23 51 00-0006	EA	6" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,6,F1,Ci,T,NBR,1304G0*GS-6-HD8)	1,701.48	208.08
40 23 51 00-0007	EA	6" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,6,F1,Ci,T,NBR,1304G0*GS-6-CW8)	1,892.74	208.08
40 23 51 00-0008	EA	8" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,8,F1,Ci,T,NBR,1304G0*GS-6-HD12)	2,532.48	265.89
40 23 51 00-0009	EA	8" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,8,F1,Ci,T,NBR,1304G0*GS-6-CW12)	2,764.18	265.89
40 23 51 00-0010	EA	10" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,10,F1,Ci,T,NBR,1304G0*GS-12-HD12)	3,858.16	323.69
40 23 51 00-0011	EA	10" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,10,F1,Ci,T,NBR,1304G0*GS-12-CW12)	4,188.22	323.69
40 23 51 00-0012	EA	14" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,14,F1,Ci,T,NBR,1304G0*GS-12-HD16)	6,507.58	494.36
40 23 51 00-0013	EA	14" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,14,F1,Ci,T,NBR,1304G0*GS-12-CW20)	6,935.99	494.36
40 23 51 00-0014	Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valves <small>(40 23 51)</small>			
40 23 51 00-0015	EA	2" Lever Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,2,F1,Ci,NBR,CR*LV)	392.15	94.41
40 23 51 00-0016	EA	3" Lever Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,3,F1,Ci,NBR,CR*LV)	603.00	120.53
40 23 51 00-0017	EA	4" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,F1,Ci,NBR,CR*GS-6-HD8)	1,079.81	185.79
40 23 51 00-0018	EA	4" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,F1,Ci,NBR,CR*GS-6-CW8)	1,268.88	185.79
40 23 51 00-0019	EA	6" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,F1,Ci,NBR,CR*GS-6-HD8)	1,515.69	208.08
40 23 51 00-0020	EA	6" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,F1,Ci,NBR,CR*GS-6-CW8)	1,706.95	208.08
40 23 51 00-0021	EA	8" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,F1,Ci,NBR,CR*GS-6-HD12)	2,221.01	265.89
40 23 51 00-0022	EA	8" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,F1,Ci,NBR,CR*GS-6-CW12)	2,451.61	265.89
40 23 51 00-0023	EA	10" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,F1,Ci,NBR,CR*GS-12-HD12)	3,552.15	323.69
40 23 51 00-0024	EA	10" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,F1,Ci,NBR,CR*GS-12-CW12)	3,782.75	323.69
40 23 51 00-0025	EA	12" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,F1,Ci,NBR,CR*GS-12-HD16)	4,678.43	393.05
40 23 51 00-0026	EA	12" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,F1,Ci,NBR,CR*GS-12-CW20)	5,104.66	393.05
40 23 51 00-0027	EA	14" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,F1,Ci,NBR,CR*GS-12-HD16)	5,896.65	494.36



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0028 EA 14" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,F1,CI,NBR,CR*GS-12-CW20).....	6,325.06	494.36
40 23 51 00-0029 EA 16" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,F1,CI,NBR,CR*GS-12-HD16).....	7,113.64	543.80
40 23 51 00-0030 EA 16" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,F1,CI,NBR,CR*GS-12-CW20).....	7,542.06	543.80
40 23 51 00-0031 EA 18" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,F1,CI,NBR,CR*GS-12-HD24).....	9,373.60	603.12
40 23 51 00-0032 EA 18" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,F1,CI,NBR,CR*GS-12-CW30).....	9,736.45	603.12
40 23 51 00-0033 EA 20" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,F1,CI,NBR,CR*GS-16-HD16).....	12,975.41	679.74
40 23 51 00-0034 EA 20" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,F1,CI,NBR,CR*GS-16-CW20).....	13,390.71	679.74
40 23 51 00-0035 EA 24" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,F1,CI,NBR,CR*GS-16-HD16).....	23,192.59	834.23
40 23 51 00-0036 EA 24" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,F1,CI,NBR,CR*GS-16-CW20).....	23,607.90	834.23
40 23 51 00-0037 EA 30" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,30,F1,CI,NBR,CR*GS-16-HD24).....	32,084.87	1,432.63
40 23 51 00-0038 EA 30" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,30,F1,CI,NBR,CR*GS-16-CW30).....	32,583.23	1,432.63
40 23 51 00-0039 EA 36" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,36,F1,CI,NBR,CR*GS-16-HD30).....	49,049.08	1,910.16
40 23 51 00-0040 EA 36" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,36,F1,CI,NBR,CR*GS-16-CW30).....	49,255.63	1,910.16
<b>40 23 51 00-0041 Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valves <small>(40 23 51)</small></b>		
40 23 51 00-0042 EA 3" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,3,F1,CI,NBR,CR*GS-6A-HD8).....	1,259.95	120.53
40 23 51 00-0043 EA 3" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,3,F1,CI,NBR,CR*GS-6A-CW8).....	1,484.00	120.53
40 23 51 00-0044 EA 4" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,4,F1,CI,NBR,CR*GS-6A-HD8).....	1,394.56	185.79
40 23 51 00-0045 EA 4" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,4,F1,CI,NBR,CR*GS-6A-CW8).....	1,619.70	185.79
40 23 51 00-0046 EA 6" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,6,F1,CI,NBR,CR*GS-6A-HD8).....	2,169.24	208.08
40 23 51 00-0047 EA 6" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,6,F1,CI,NBR,CR*GS-6A-CW8).....	2,394.38	208.08
40 23 51 00-0048 EA 8" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,8,F1,CI,NBR,CR*GS-6A-HD12).....	2,659.26	265.89
40 23 51 00-0049 EA 8" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,8,F1,CI,NBR,CR*GS-6A-CW12).....	2,932.48	265.89
40 23 51 00-0050 EA 10" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,10,F1,CI,NBR,CR*GS-12A-HD12).....	4,345.60	323.69
40 23 51 00-0051 EA 10" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,10,F1,CI,NBR,CR*GS-12A-CW12).....	4,618.82	323.69
40 23 51 00-0052 EA 12" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,12,F1,CI,NBR,CR*GS-12A-HD16).....	5,145.10	393.05
40 23 51 00-0053 EA 12" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,12,F1,CI,NBR,CR*GS-12A-CW20).....	5,497.01	393.05
40 23 51 00-0054 EA 14" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,14,F1,CI,NBR,CR*GS-12A-HD16).....	6,705.39	494.36
40 23 51 00-0055 EA 14" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,14,F1,CI,NBR,CR*GS-12A-CW20).....	7,055.12	494.36
40 23 51 00-0056 EA 16" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,16,F1,CI,NBR,CR*GS-12A-HD16).....	7,942.06	543.80
40 23 51 00-0057 EA 16" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,16,F1,CI,NBR,CR*GS-12A-CW20).....	8,291.79	543.80
40 23 51 00-0058 EA 18" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,18,F1,CI,NBR,CR*GS-12A-HD24).....	10,202.02	603.12
40 23 51 00-0059 EA 18" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,18,F1,CI,NBR,CR*GS-12A-CW30).....	10,632.62	603.12
40 23 51 00-0060 EA 20" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,20,F1,CI,NBR,CR*MG-WR3-HD24).....	17,641.00	679.74
40 23 51 00-0061 EA 20" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,20,F1,CI,NBR,CR*GS-12A-CW30).....	13,965.57	679.74
40 23 51 00-0062 EA 24" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,24,F1,CI,NBR,CR*MG-WR1-HD24).....	28,964.20	834.23
40 23 51 00-0063 EA 24" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,24,F1,CI,NBR,CR*MG-WR1-CW30).....	28,964.20	834.23
40 23 51 00-0064 EA 30" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,30,F1,CI,NBR,CR*MG-WR4-HD24).....	44,643.38	1,432.63
40 23 51 00-0065 EA 30" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,30,F1,CI,NBR,CR*MG-WR4-CW30).....	44,643.38	1,432.63
40 23 51 00-0066 EA 36" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,36,F1,CI,NBR,CR*MG-WR4-HD24).....	61,477.53	1,910.16
40 23 51 00-0067 EA 36" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,36,F1,CI,NBR,CR*MG-WR4-CW30).....	61,477.53	1,910.16

**40 Process Interconnections****40 20 Liquids Process Piping****40 23 Water and Wastewater Process Piping**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0068			<b>Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valves (40 23 51)</b>		
40 23 51 00-0069	EA		4" Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,MJ,CI,NBR,CR*NT).....	771.61	186.24
40 23 51 00-0070	EA		6" Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,MJ,CI,NBR,CR*NT).....	1,264.97	231.21
40 23 51 00-0071	EA		8" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,MJ,CI,NBR,CR*GB-6-N).....	2,267.98	264.22
40 23 51 00-0072	EA		10" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,MJ,CI,NBR,CR*GB-6-N).....	3,229.75	323.69
40 23 51 00-0073	EA		12" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,MJ,CI,NBR,CR*GB-6-N).....	4,051.91	392.34
40 23 51 00-0074	EA		14" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,MJ,CI,NBR,CR*GB-12-N).....	5,754.57	494.36
40 23 51 00-0075	EA		16" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,MJ,CI,NBR,CR*GB-12-N).....	7,150.80	543.80
40 23 51 00-0076	EA		18" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,MJ,CI,NBR,CR*GB-12-N).....	9,277.56	604.21
40 23 51 00-0077	EA		20" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,MJ,CI,NBR,CR*GB-12-N).....	12,482.51	679.74
40 23 51 00-0078	EA		24" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,MJ,CI,NBR,CR*GB-16-N).....	24,740.72	836.61
40 23 51 00-0079	EA		30" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,30,MJ,CI,NBR,CR*GB-16-N).....	33,562.25	1,458.67
40 23 51 00-0080	EA		36" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,36,MJ,CI,NBR,CR*GB-16-N).....	48,527.42	1,823.34
40 23 51 00-0081			<b>Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valves (40 23 51)</b>		
40 23 51 00-0082			4" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,F1,CI,NBR,CR*GS-6-PC4,EPP).....	4,561.12	185.79
40 23 51 00-0083			6" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,F1,CI,NBR,CR*GS-6-PC4,EPP).....	4,974.21	208.08
40 23 51 00-0084			8" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,F1,CI,NBR,CR*GS-6-PC6,EPP).....	5,493.69	265.89
40 23 51 00-0085			10" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,F1,CI,NBR,CR*GS-6-PC8,EPP).....	6,337.71	323.69
40 23 51 00-0086			12" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,F1,CI,NBR,CR*GS-12-PC6,EPP).....	8,101.10	393.05
40 23 51 00-0087			14" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,F1,CI,NBR,CR*GS-12-PC6,EPP).....	9,790.17	494.36
40 23 51 00-0088			16" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,F1,CI,NBR,CR*GS-12-PC8,EPP).....	11,559.04	543.80
40 23 51 00-0089			18" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,F1,CI,NBR,CR*GS-12-PC8,EPP).....	13,574.35	603.12
40 23 51 00-0090			20" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,F1,CI,NBR,CR*GS-12-PC10,EPP).....	16,951.42	679.74
40 23 51 00-0091			24" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,F1,CI,NBR,CR*GS-16-PC8,EPP).....	32,031.97	834.23
40 23 51 00-0092			<b>Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valves (40 23 51)</b>		
40 23 51 00-0093	EA		3" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,3,6000A,F1,DI,DI-S11-S2-NBR*AC).....	4,925.54	120.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0094 EA 4" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,4,6000A,F1,DI,DI-S11-S2-NBR*AC) .....	5,185.83	185.79
40 23 51 00-0095 EA 6" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,6,6000A,F1,DI,DI-S11-S2-NBR*AC) .....	5,959.42	208.08
40 23 51 00-0096 EA 8" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,8,6000A,F1,DI,DI-S11-S2-NBR*AC) .....	6,776.21	265.89
40 23 51 00-0097 EA 10" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,10,6000A,F1,DI,DI-S11-S2-NBR*AC) .....	9,555.45	323.69
40 23 51 00-0098 EA 12" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,12,6000A,F1,DI,DI-S11-S2-NBR*AC) .....	12,045.67	393.05
40 23 51 00-0099 EA 14" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,14,6000A,F1,DI,DI-S11-S2-NBR*AC) .....	18,849.70	494.36
40 23 51 00-0100 EA 16" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,16,6000,F1,DI,DI-S11-S2-NBR*AC) .....	28,932.30	543.80
40 23 51 00-0101 EA 18" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,18,6000,F1,DI,DI-S11-S2-NBR*AC) .....	29,452.36	603.12
40 23 51 00-0102 EA 20" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,20,6000,F1,DI,DI-S11-S2-NBR*AC) .....	29,992.95	679.74
40 23 51 00-0103 EA 24" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,24,6000,F1,DI,DI-S11-S2-NBR*AC) .....	34,244.00	834.23
<b>40 23 51 00-0104 Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valves <sup>(40 23 51)</sup></b>		
40 23 51 00-0105 EA 2" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,2,250A,F1,DIF,DI-S1-S2-NBR*LV) .....	785.77	94.39
40 23 51 00-0106 EA 3" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,3,250A,F1,DIF,DI-S1-S2-NBR*LV) .....	935.36	120.53
40 23 51 00-0107 EA 4" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,4,250A,F1,DIF,DI-S1-S2-NBR*LV) .....	1,323.52	185.79
40 23 51 00-0108 EA 6" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,6,250A,F1,DIF,DI-S1-S2-NBR*LV) .....	1,773.61	208.08
40 23 51 00-0109 EA 8" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,8,250A,F1,DIF,DI-S1-S2-NBR*LV) .....	2,579.48	265.89
40 23 51 00-0110 EA 10" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,10,250A,F1,DIF,DI-S1-S2-NBR*LV) .....	3,921.55	323.69
40 23 51 00-0111 EA 12" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,12,250A,F1,DIF,DI-S1-S2-NBR*LV) .....	5,810.68	393.05
40 23 51 00-0112 EA 14" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,14,250A,F1,DIF,DI-S1-S2-NBR*LV) .....	9,073.71	494.36
40 23 51 00-0113 EA 16" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,16,250,F1,DIF,DI-S1-S1-NBR*LV) .....	11,208.74	543.80
40 23 51 00-0114 EA 18" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,18,250,F1,DIF,DI-S1-S1-NBR*LV) .....	13,551.76	603.12
40 23 51 00-0115 EA 20" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,20,250,F1,DIF,DI-S1-S1-NBR*LV) .....	15,918.59	679.74
40 23 51 00-0116 EA 24" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,24,250,F1,DIF,DI-S1-S1-NBR*LV) .....	23,066.91	834.23
<b>40 23 51 00-0117 Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valves <sup>(40 23 51)</sup></b>		
40 23 51 00-0118 EA 2" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,2,HD,F1,S2,SMP,S2-M*MN-HD8-CS) .....	853.53	94.41
40 23 51 00-0119 EA 3" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,3,HD,F1,S2,SMP,S2-M*MN-HD8-CS) .....	958.31	120.53

**40 Process Interconnections****40 20 Liquids Process Piping****40 23 Water and Wastewater Process Piping**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0120	EA	4" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knife Gate Valve (DeZurik KGC,4,HD,F1,S2,SMP,S2-M*MN-HD8-CS) .....	1,190.19	185.79
40 23 51 00-0121	EA	6" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knife Gate Valve (DeZurik KGC,6,HD,F1,S2,SMP,S2-M*MN-HD12-CS) .....	1,465.42	208.08
40 23 51 00-0122	EA	8" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knife Gate Valve (DeZurik KGC,8,HD,F1,S2,SMP,S2-M*MN-HD12-CS) .....	1,910.62	265.89
40 23 51 00-0123	EA	10" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knife Gate Valve (DeZurik KGC,10,HD,F1,S2,SMP,S2-M*MN-HD16-CS) .....	2,743.41	323.69
40 23 51 00-0124	EA	12" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knife Gate Valve (DeZurik KGC,12,HD,F1,S2,SMP,S2-M*MN-HD16-CS) .....	3,650.01	393.05
40 23 51 00-0125	EA	14" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knife Gate Valve (DeZurik KGC,14,HD,F1,S2,SMP,S2-M*MN-HD20-CS) .....	4,529.43	494.36
40 23 51 00-0126	EA	16" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knife Gate Valve (DeZurik KGC,16,HD,F1,S2,SMP,S2-M*MN-HD20-CS) .....	5,769.38	543.80
40 23 51 00-0127	EA	18" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knife Gate Valve (DeZurik KGC,18,HD,F1,S2,SMP,S2-M*MN-HD20-CS) .....	8,282.89	603.12
40 23 51 00-0128	EA	20" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knife Gate Valve (DeZurik KGC,20,HD,F1,S2,SMP,S2-M*MN-HD20-CS) .....	9,882.50	679.74
40 23 51 00-0129	EA	24" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knife Gate Valve (DeZurik KGC,24,HD,F1,S2,SMP,S2-M*MN-HD20-CS) .....	14,519.34	834.23
40 23 51 00-0130		<b>Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steel Disc, Single Body Sewage Combination Air Valves (40 23 51)</b>		
40 23 51 00-0131	EA	1" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,1,2,SCAV,F1,S2,R516-NBR-S2-S2-S2*) .....	4,392.50	53.11
40 23 51 00-0132	EA	2" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,2,SCAV,F1,S2,R516-NBR-S2-S2-S2*) .....	4,593.44	94.39
40 23 51 00-0133	EA	3" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,3,SCAV,F1,S2,R516-NBR-S2-S2-S2*) .....	5,533.19	120.53
40 23 51 00-0134	EA	4" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,4,SCAV,F1,S2,R516-NBR-S2-S2-S2*) .....	5,984.74	185.79
40 23 51 00-0135		<b>Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valves (40 23 51)</b>		
40 23 51 00-0136		2" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,2,F1L,S3,TC,S3NH-S10-S3-FT*PR-R1A-PC4) .....	3,079.77	94.39
40 23 51 00-0137		4" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,4,F1L,S3,TC,S3NH-S10-S3-FT*PR-R1A-PC4) .....	5,101.68	185.79
40 23 51 00-0138		6" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,6,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC6) .....	6,927.73	208.08
40 23 51 00-0139		8" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,8,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC6) .....	9,010.10	265.89
40 23 51 00-0140		10" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,10,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC8) .....	12,139.07	323.69
40 23 51 00-0141		12" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,12,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC8) .....	18,382.31	393.05
40 23 51 00-0142		14" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,14,F1S,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC8) .....	27,162.30	494.36
40 23 51 00-0143		16" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,16,F1S,S3,TC,S3NH-S10-S3-FT*PR-R3A-PC10) .....	44,393.55	543.80
40 23 51 00-0144		18" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,18,F1S,S3,TC,S3NH-S10-S3-FT*PR-R3A-PC10) .....	52,314.74	603.12
40 23 51 00-0145		20" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,20,F1S,S3,TC,S3NH-S10-S3-FT*PR-R3A-PC10) .....	66,565.76	679.74
40 23 51 00-0146		<b>Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valves (40 23 51)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0147 EA 2" Lever Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,2,L1,S2,TC,S2-S5A-FT-TT*LT).....	1,144.24	94.39
40 23 51 00-0148 EA 2-1/2" Lever Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,2.5,L1,S2,TC,S2-S5A-FT-TT*LT).....	1,236.95	102.68
40 23 51 00-0149 EA 4" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,4,L1,S2,TC,S2-S5A-FT-TT*MG-7-HD8).....	1,882.00	185.79
40 23 51 00-0150 EA 4" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,4,L1,S2,TC,S2-S5A-FT-TT*MG-7-CW8).....	1,990.19	185.79
40 23 51 00-0151 EA 6" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,6,L1,S2,TC,S2-S5A-FT-TT*MG-7-HD8).....	2,600.94	208.08
40 23 51 00-0152 EA 6" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,6,L1,S2,TC,S2-S5A-FT-TT*MG-7-CW8).....	2,709.14	208.08
40 23 51 00-0153 EA 8" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,8,L1,S2,TC,S2-S5A-FT-TT*MG-7-HD8).....	3,329.21	265.89
40 23 51 00-0154 EA 8" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,8,L1,S2,TC,S2-S5A-FT-TT*MG-7-CW8).....	3,437.40	265.89
40 23 51 00-0155 EA 10" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,10,L1,S2,TC,S2-S5A-FT-TT*MG-1012-HD8).....	4,674.56	323.69
40 23 51 00-0156 EA 10" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,10,L1,S2,TC,S2-S5A-FT-TT*MG-1012-CW8).....	4,782.76	323.69
40 23 51 00-0157 EA 12" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,12,L1,S2,TC,S2-S5A-FT-TT*MG-1012-HD8).....	6,004.12	393.05
40 23 51 00-0158 EA 12" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,12,L1,S2,TC,S2-S5A-FT-TT*MG-1012-CW8).....	6,113.41	393.05
40 23 51 00-0159 EA 14" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,14,L1,S2,TC,S2-S5A-FT-TT*MG-1012-HD8).....	8,421.25	494.36
40 23 51 00-0160 EA 14" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,14,L1,S2,TC,S2-S5A-FT-TT*MG-1012-CW8).....	8,529.44	494.36
40 23 51 00-0161 EA 16" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,16,L1,S2,TC,S2-S5A-FT-TT*MG-1216-HD16).....	10,850.27	543.80
40 23 51 00-0162 EA 16" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,16,L1,S2,TC,S2-S5A-FT-TT*MG-1216-CW20).....	11,019.67	543.80
40 23 51 00-0163 EA 18" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,18,L1,S2,TC,S2-S5A-FT-TT*MG-1216-HD24).....	14,230.45	603.12
40 23 51 00-0164 EA 18" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,18,L1,S2,TC,S2-S5A-FT-TT*MG-1216-CW20).....	14,400.94	603.12
40 23 51 00-0165 EA 20" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,20,L1,S2,TC,S2-S5A-FT-TT*MG-1216-HD24).....	17,056.29	679.74
40 23 51 00-0166 EA 20" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,20,L1,S2,TC,S2-S5A-FT-TT*MG-16-CW30).....	17,587.44	679.74
40 23 51 00-0167 EA 24" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,24,L1,S2,TC,S2-S5-FT-TT*GS-12-HD16).....	29,128.13	834.23
40 23 51 00-0168 EA 24" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,24,L1,S2,TC,S2-S5-FT-TT*GS-12-CW20).....	29,488.79	834.23
40 23 51 00-0169 EA 30" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,30,L1,S2,TC,S2-S5-FT-TT*GS-12-HD30).....	52,056.52	1,432.63
40 23 51 00-0170 EA 30" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik HP,30,L1,S2,TC,S2-S5-FT-TT*GS-12-CW30).....	52,263.08	1,432.63
40 23 51 00-0171 EA 36" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,36,L1,S2,TC,S2-S5-FT-TT*GS-12-HD30).....	71,551.89	1,910.16
40 23 51 00-0172 EA 36" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,36,L1,S2,TC,S2-S5-FT-TT*GS-12-CW30).....	71,758.44	1,910.16

**40 23 51 00-0173**

**Plug, Bearings And Packing, Plug Valve Rebuild Kits (40 23 51)**

40 23 51 00-0174 2" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik).....	227.09
40 23 51 00-0175 4" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik).....	638.00
40 23 51 00-0176 6" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik).....	779.47
40 23 51 00-0177 8" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik).....	928.15
40 23 51 00-0178 10" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik).....	2,212.15
40 23 51 00-0179 12" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik).....	2,682.25



**40 Process Interconnections****40 20 Liquids Process Piping****40 23 Water and Wastewater Process Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0180	14" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik) .....	4,558.18
40 23 51 00-0181	16" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik) .....	4,006.55
<b>40 23 51 00-0182</b>	<b>Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valves <sup>(40 23 51)</sup></b>	
40 23 51 00-0183 EA	3" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS) .....	2,178.81 110.82
40 23 51 00-0184 EA	4" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS) .....	2,595.11 185.79
40 23 51 00-0185 EA	6" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS) .....	2,934.71 208.08
40 23 51 00-0186 EA	8" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS) .....	3,654.35 265.89
40 23 51 00-0187 EA	10" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS) .....	4,881.56 323.69
40 23 51 00-0188 EA	12" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS) .....	6,793.52 393.05
40 23 51 00-0189 EA	14" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS) .....	9,903.66 494.36
40 23 51 00-0190 EA	16" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS) .....	11,121.96 543.80
40 23 51 00-0191 EA	18" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS) .....	13,476.68 603.12
40 23 51 00-0192 EA	20" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS) .....	14,371.91 679.74
40 23 51 00-0193 EA	24" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS) .....	26,524.41 834.23
<b>40 23 51 00-0194</b>	<b>Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valves <sup>(40 23 51)</sup></b>	
40 23 51 00-0195 EA	3" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS) .....	1,532.03 110.82
40 23 51 00-0196 EA	4" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS) .....	1,918.83 185.79
40 23 51 00-0197 EA	6" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS) .....	2,213.40 208.08
40 23 51 00-0198 EA	8" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS) .....	3,048.44 265.89
40 23 51 00-0199 EA	10" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS) .....	4,217.95 323.69
40 23 51 00-0200 EA	12" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS) .....	5,520.40 393.05
40 23 51 00-0201 EA	14" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS) .....	9,348.24 494.36
40 23 51 00-0202 EA	16" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS) .....	10,541.30 543.80
40 23 51 00-0203 EA	18" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS) .....	12,678.42 603.12
40 23 51 00-0204 EA	20" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS) .....	13,521.96 679.74
40 23 51 00-0205 EA	24" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS) .....	23,764.18 834.23
<b>40 23 51 00-0206</b>	<b>125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valves <sup>(40 23 51)</sup></b>	
40 23 51 00-0207 EA	3" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX) .....	5,300.89 110.82
40 23 51 00-0208 EA	4" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX) .....	5,529.66 185.79
40 23 51 00-0209 EA	6" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX) .....	7,216.91 208.08
40 23 51 00-0210 EA	8" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX) .....	8,441.47 265.89
40 23 51 00-0211 EA	10" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX) .....	12,258.19 323.69
40 23 51 00-0212 EA	12" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX) .....	15,250.93 393.05
<b>40 23 51 00-0213</b>	<b>Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valves <sup>(40 23 51)</sup></b>	
40 23 51 00-0214 EA	3" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT) .....	1,287.90 110.82
40 23 51 00-0215 EA	4" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT) .....	1,509.93 185.79
40 23 51 00-0216 EA	6" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT) .....	2,303.01 208.08
40 23 51 00-0217 EA	8" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT) .....	2,551.67 265.89
40 23 51 00-0218 EA	10" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT) .....	3,062.71 323.69
40 23 51 00-0219 EA	12" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT) .....	4,390.26 393.05



<b>Process Interconnections</b>	<b>40</b>	<b>40</b>
Liquids Process Piping	40 20	
Water and Wastewater Process Piping	40 23	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**END OF SECTION 40**

40	<b>40</b>	<b>Process Interconnections</b>
	40 20	Liquids Process Piping
	40 23	Water and Wastewater Process Piping



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 41 Material Processing And Handling Equipment

### 41 01 Operation And Maintenance Of Material Processing And Handling Equipment<sup>(41)</sup>

#### 41 01 20 Operation And Maintenance Of Piece Material Handling Equipment<sup>(41 01)</sup>

##### 41 01 20 13 Operation And Maintenance Of Hoists Or Cranes<sup>(41 01 20)</sup>

##### 41 01 20 13-0001 Maintenance<sup>(41 01 20 13)</sup>

41 01 20 13-0002	EA	Regular Inspection.....	239.88
41 01 20 13-0003	HR	Hoist Or Crane Servicing, Labor Only.....	69.16
41 01 20 13-0004	MO	Hoist Or Crane Maintenance Contract.....	410.42

### 41 10 Bulk Material Processing Equipment<sup>(41)</sup>

#### 41 12 Bulk Material Conveying Equipment<sup>(41 10)</sup>

##### 41 12 13 Bulk Material Conveyors<sup>(41 12)</sup>

##### 41 12 13 19 Belt Bulk Material Conveyors<sup>(41 12 13)</sup>

##### 41 12 13 19-0001 Belt Bulk Material Conveyors And Accessories (Serpentix)<sup>(41 12 13 19)</sup>

41 12 13 19-0002	EA	4', 10 HP, 230/460 V, 3 Phase, 60Hz, Drive Station Unit For Model-H Conveyor .....	36,853.79	940.50
41 12 13 19-0003	EA	10', 1/4" Thick, Hi-Profile Straight Track For Model-H Conveyor .....	8,637.61	220.43
41 12 13 19-0004	EA	Hi-Profile Vertical Curve For Model-H Conveyor .....	10,940.97	279.21
41 12 13 19-0005	EA	Hi-Profile Horizontal Curve For Model-H Conveyor .....	12,092.65	308.60
41 12 13 19-0006	EA	Hi-Profile Helix Curve For Model-H Conveyor .....	14,396.02	367.38
41 12 13 19-0007	EA	4', 20 Amps, 125/250/480 VAC, Single Pole, Double Throw Circuit, Tension Station Unit For Model-H Conveyor.....	21,594.03	551.07
41 12 13 19-0008	EA	10' Section Support Tower For Model-H Conveyor.....	5,758.40	146.96
41 12 13 19-0009	PR	Support Legs For Model-H Conveyor .....	857.34	18.83
41 12 13 19-0010	PR	Tension Station Support legs For Model-H Conveyor.....	1,143.12	25.11
41 12 13 19-0011	LF	32" Wide Conveyor Belt And Chain For Model-H.....	1,714.68	37.66
41 12 13 19-0012	DAY	Field Testing/Field Services/Operation And Maintenance Training.....	8,196.75	
		<i>For Each Additional Day Onsite, Add</i>	<i>2,459.02</i>	

### 41 20 Piece Material Handling Equipment<sup>(41)</sup>

#### 41 22 Cranes And Hoists<sup>(41 20)</sup>

##### 41 22 23 Hoists<sup>(41 22)</sup>

##### 41 22 23 13 Fixed Hoists<sup>(41 22 23)</sup>

##### 41 22 23 13-0001 Air-Powered Chain Hoists<sup>(41 22 23 13)</sup>

<i>Note: Excludes beam.</i>				
41 22 23 13-0002	EA	500 LB Capacity, Air-Powered Chain Hoist .....	3,951.54	235.88
41 22 23 13-0003	EA	1,000 LB Capacity, Air-Powered Chain Hoist .....	3,997.29	235.88
41 22 23 13-0004	EA	2,000 LB Capacity, Air-Powered Chain Hoist .....	4,814.93	235.88
41 22 23 13-0005	EA	4,000 LB Capacity, Air-Powered Chain Hoist .....	6,080.84	314.51
41 22 23 13-0006	EA	6,000 LB Capacity, Air-Powered Chain Hoist .....	7,675.61	393.14
41 22 23 13-0007	EA	8,000 LB Capacity, Air-Powered Chain Hoist .....	9,039.06	577.75
41 22 23 13-0008	EA	10,000 LB Capacity, Air-Powered Chain Hoist .....	10,438.29	697.81
41 22 23 13-0009	EA	12,000 LB Capacity, Air-Powered Chain Hoist .....	11,644.24	697.81

##### 41 22 23 13-0010 Electric Hoists<sup>(41 22 23 13)</sup>

##### 41 22 23 13-0011 Electric Industrial Chain Hoists<sup>(41 22 23 13-0010)</sup>

<i>Note: Includes 20' of chain. Excludes beams.</i>				
41 22 23 13-0012	EA	500 LB Capacity, Electric Industrial Chain Hoist.....	2,792.38	228.01
		<i>For DC Electrical Operated, Add</i>	<i>583.74</i>	
		<i>For Each LF Copper Conductor Bar, Add</i>	<i>10.50</i>	
41 22 23 13-0013	EA	1,000 LB Capacity, Electric Industrial Chain Hoist.....	2,919.78	228.01
		<i>For DC Electrical Operated, Add</i>	<i>615.28</i>	
		<i>For Each LF Copper Conductor Bar, Add</i>	<i>10.50</i>	
41 22 23 13-0014	EA	2,000 LB Capacity, Electric Industrial Chain Hoist.....	3,239.27	228.01
		<i>For DC Electrical Operated, Add</i>	<i>693.28</i>	
		<i>For Each LF Copper Conductor Bar, Add</i>	<i>10.50</i>	
41 22 23 13-0015	EA	3,000 LB Capacity, Electric Industrial Chain Hoist.....	4,945.23	235.88
		<i>For DC Electrical Operated, Add</i>	<i>1,114.79</i>	
		<i>For Each LF Copper Conductor Bar, Add</i>	<i>10.50</i>	
41 22 23 13-0016	EA	4,000 LB Capacity, Electric Industrial Chain Hoist.....	4,240.93	235.88
		<i>For DC Electrical Operated, Add</i>	<i>937.31</i>	
		<i>For Each LF Copper Conductor Bar, Add</i>	<i>10.50</i>	

**41 Material Processing And Handling Equipment****41 20 Piece Material Handling Equipment****41 22 Cranes And Hoists**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
41 22 23 13-0017 EA 5,000 LB Capacity, Electric Industrial Chain Hoist..... <i>For DC Electrical Operated, Add</i> <i>For Each LF Copper Conductor Bar, Add</i>	6,117.31 1,400.07 10.50	243.74
41 22 23 13-0018 EA 6,000 LB Capacity, Electric Industrial Chain Hoist..... <i>For DC Electrical Operated, Add</i> <i>For Each LF Copper Conductor Bar, Add</i>	5,492.62 1,221.90 10.50	267.33
41 22 23 13-0019 EA 7,500 LB Capacity, Electric Industrial Chain Hoist..... <i>For DC Electrical Operated, Add</i> <i>For Each LF Copper Conductor Bar, Add</i>	6,829.40 1,552.24 10.50	330.23
41 22 23 13-0020 EA 10,000 LB Capacity, Electric Industrial Chain Hoist..... <i>For DC Electrical Operated, Add</i> <i>For Each LF Copper Conductor Bar, Add</i>	8,094.36 1,882.94 10.50	325.21
41 22 23 13-0021 EA 15,000 LB Capacity, Electric Industrial Chain Hoist..... <i>For DC Electrical Operated, Add</i> <i>For Each LF Copper Conductor Bar, Add</i>	13,112.48 3,108.30 10.50	339.35
41 22 23 13-0022 EA 20,000 LB Capacity, Electric Industrial Chain Hoist..... <i>For DC Electrical Operated, Add</i> <i>For Each LF Copper Conductor Bar, Add</i>	15,751.36 3,760.67 10.50	353.49
41 22 23 13-0023 EA 25,000 LB Capacity, Electric Industrial Chain Hoist..... <i>For DC Electrical Operated, Add</i> <i>For Each LF Copper Conductor Bar, Add</i>	21,889.30 5,287.61 10.50	367.62
41 22 23 13-0024 EA 30,000 LB Capacity, Electric Industrial Chain Hoist..... <i>For DC Electrical Operated, Add</i> <i>For Each LF Copper Conductor Bar, Add</i>	28,069.49 6,814.89 10.50	402.98
<b>41 22 23 13-0025 Hand Chain Hoists</b> <small>(41 22 23 13)</small>		
41 22 23 13-0026 EA 1,000 LB Capacity, Hand Chain Hoist.....	950.15	56.89
41 22 23 13-0027 EA 2,000 LB Capacity, Hand Chain Hoist.....	1,130.81	57.66
41 22 23 13-0028 EA 3,000 LB Capacity, Hand Chain Hoist.....	1,538.97	60.39
41 22 23 13-0029 EA 4,000 LB Capacity, Hand Chain Hoist.....	1,740.42	61.17
41 22 23 13-0030 EA 5,000 LB Capacity, Hand Chain Hoist.....	2,111.87	64.29
41 22 23 13-0031 EA 6,000 LB Capacity, Hand Chain Hoist.....	2,361.19	75.20
41 22 23 13-0032 EA 10,000 LB Capacity, Hand Chain Hoist.....	3,305.95	77.54
41 22 23 13-0033 EA 16,000 LB Capacity, Hand Chain Hoist.....	4,326.55	93.51
41 22 23 13-0034 EA 20,000 LB Capacity, Hand Chain Hoist.....	5,304.85	97.80
41 22 23 13-0035 EA 30,000 LB Capacity, Hand Chain Hoist.....	9,422.60	111.83

**END OF SECTION 41**



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 43 Process Gas and Liquid Handling, Purification, and Storage Equipment

### 43 20 Liquid Handling Equipment <sup>(43)</sup>

#### 43 23 Dry Location Liquid Pumps <sup>(43 20)</sup>

##### 43 23 57 Progressing Cavity Pumps <sup>(43 23)</sup>

##### 43 23 57 00-0001 Progressive Cavity Pumps <sup>(43 23 57)</sup>

##### 43 23 57 00-0002 Progressive Cavity Pumps (Seepex N Series) <sup>(43 23 57 00-0001)</sup>

Note: Includes CI housing, tool steel rotor, Nitrile stator, single mech. seal, WP motors (TEXP) base plates, couplings, and OSHA guards.

43 23 57 00-0003	EA 3 HP, 50 GPM, Progressive Cavity Pumps, 5" x 4" ANSI Flange (Seepex Model 35-6L).....	6,401.82	138.27
43 23 57 00-0004	EA 5 HP, 50 GPM, Progressive Cavity Pumps, 6" x 5" ANSI Flange (Seepex Model 35-12).....	8,962.75	138.27
43 23 57 00-0005	EA 7.5 HP, 100 GPM, Progressive Cavity Pumps, 5" x 5" ANSI Flange (Seepex Model 52-6L).....	7,623.89	138.27
43 23 57 00-0006	EA 10 HP, 100 GPM, Progressive Cavity Pumps, 6" x 6" ANSI Flange (Seepex Model 52-12).....	11,725.06	138.27
43 23 57 00-0007	EA 10 HP, 150 GPM, Progressive Cavity Pumps, 6" x 6" ANSI Flange (Seepex Model 70-6L).....	9,789.61	138.27
43 23 57 00-0008	EA 15 HP, 150 GPM, Progressive Cavity Pumps, 8" x 6" ANSI Flange (Seepex Model 70-12).....	17,804.69	138.27
43 23 57 00-0009	EA 7.5 HP, 150 GPM, Progressive Cavity Pumps, 6" x 6" ANSI Flange (Seepex Model 100-6L).....	11,499.59	138.27
43 23 57 00-0010	EA 15HP, 250 GPM, Progressive Cavity Pumps, 8" x 6" ANSI Flange (Seepex Model 130-6L).....	17,099.64	138.27
43 23 57 00-0011	EA 20 HP, 350 GPM, Progressive Cavity Pumps, 8" x 6" ANSI Flange (Seepex Model 200-6L).....	22,352.98	207.40

##### 43 23 57 00-0012 Progressive Cavity Pumps (Monoflo) <sup>(43 23 57 00-0001)</sup>

Note: Monoflo Progressive Cavity Pumps BARESHAFT: E range heavy duty, 316 SST HCP rotor and shaft, Stator either Nitrile or natural rubber, Power Drive Shaft, gland packing or John Crane502 mechanical seal.

43 23 57 00-0013	EA Model E01 Monoflo 2 Stage Progressive Cavity Pumps.....	2,088.50	72.71
	For High Nitrile Stator, Add	20.00	
	For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	42.00	
	For Rotor Coating, Duracoat 3000, Add	721.00	
43 23 57 00-0014	EA Model E01 Monoflo 4 Stage Progressive Cavity Pumps.....	2,381.85	72.71
	For High Nitrile Stator, Add	34.00	
	For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	71.00	
	For Rotor Coating, Duracoat 3000, Add	747.00	
43 23 57 00-0015	EA Model E02 Monoflo 1 Stage Progressive Cavity Pumps.....	2,187.21	72.71
	For High Nitrile Stator, Add	12.00	
	For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	45.00	
	For Rotor Coating, Duracoat 3000, Add	767.00	
43 23 57 00-0016	EA Model E02 Monoflo 2 Stage Progressive Cavity Pumps.....	2,348.48	72.71
	For High Nitrile Stator, Add	24.00	
	For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	55.00	
	For Rotor Coating, Duracoat 3000, Add	836.00	
43 23 57 00-0017	EA Model E02 Monoflo 4 Stage Progressive Cavity Pumps.....	3,031.12	72.71
	For High Nitrile Stator, Add	47.00	
	For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	72.00	
	For Rotor Coating, Duracoat 3000, Add	850.00	
43 23 57 00-0018	EA Model E03 Monoflo 1 Stage Progressive Cavity Pumps.....	2,543.92	103.70
	For High Nitrile Stator, Add	14.00	
	For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	50.00	
	For Rotor Coating, Duracoat 3000, Add	822.00	
43 23 57 00-0019	EA Model E03 Monoflo 2 Stage Progressive Cavity Pumps.....	2,958.23	103.70
	For High Nitrile Stator, Add	30.00	
	For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	59.00	
	For Rotor Coating, Duracoat 3000, Add	906.00	
43 23 57 00-0020	EA Model E03 Monoflo 4 Stage Progressive Cavity Pumps.....	5,469.11	103.70
	For High Nitrile Stator, Add	59.00	
	For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	80.00	
	For Rotor Coating, Duracoat 3000, Add	917.00	
43 23 57 00-0021	EA Model E0X Monoflo 1 Stage Progressive Cavity Pumps.....	3,551.70	138.27
	For High Nitrile Stator, Add	17.00	
	For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	54.00	
	For Rotor Coating, Duracoat 3000, Add	965.00	
43 23 57 00-0022	EA Model E0X Monoflo 2 Stage Progressive Cavity Pumps.....	4,093.92	138.27
	For High Nitrile Stator, Add	36.00	
	For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	72.00	
	For Rotor Coating, Duracoat 3000, Add	1,162.00	
43 23 57 00-0023	EA Model E0X Monoflo 4 Stage Progressive Cavity Pumps.....	5,752.55	138.27
	For High Nitrile Stator, Add	70.00	
	For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	107.00	
	For Rotor Coating, Duracoat 3000, Add	1,170.00	
43 23 57 00-0024	EA Model E04 Monoflo 1 Stage Progressive Cavity Pumps.....	3,758.86	138.27
	For High Nitrile Stator, Add	20.00	
	For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	71.00	
	For Rotor Coating, Duracoat 3000, Add	1,170.00	
43 23 57 00-0025	EA Model E04 Monoflo 2 Stage Progressive Cavity Pumps.....	4,384.49	138.27
	For High Nitrile Stator, Add	41.00	
	For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	90.00	
	For Rotor Coating, Duracoat 3000, Add	1,417.00	

**43 Process Gas and Liquid Handling, Purification, and Storage Equipment**
**43 20 Liquid Handling Equipment**
**43 23 Dry Location Liquid Pumps**


MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
43 23 57 00-0026 EA Model E04 Monoflo 4 Stage Progressive Cavity Pumps.....	7,764.31	138.27
For High Nitrile Stator, Add	80.00	
For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	103.00	
For Rotor Coating, Duracoat 3000, Add	1,433.00	
43 23 57 00-0027 EA Model E05 Monoflo 1 Stage Progressive Cavity Pumps.....	4,768.47	207.40
For High Nitrile Stator, Add	30.00	
For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	100.00	
For Rotor Coating, Duracoat 3000, Add	1,380.00	
43 23 57 00-0028 EA Model E05 Monoflo 2 Stage Progressive Cavity Pumps.....	5,861.25	207.40
For High Nitrile Stator, Add	47.00	
For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	118.00	
For Rotor Coating, Duracoat 3000, Add	1,673.00	
43 23 57 00-0029 EA Model E05 Monoflo 4 Stage Progressive Cavity Pumps.....	10,242.08	207.40
For High Nitrile Stator, Add	92.00	
For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	142.00	
For Rotor Coating, Duracoat 3000, Add	1,803.00	
43 23 57 00-0030 EA Model E06 Monoflo 1 Stage Progressive Cavity Pumps.....	5,387.15	207.40
For High Nitrile Stator, Add	40.00	
For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	121.00	
For Rotor Coating, Duracoat 3000, Add	1,459.00	
43 23 57 00-0031 EA Model E06 Monoflo 2 Stage Progressive Cavity Pumps.....	7,517.09	207.40
For High Nitrile Stator, Add	56.00	
For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	171.00	
For Rotor Coating, Duracoat 3000, Add	1,867.00	
43 23 57 00-0032 EA Model E06 Monoflo 4 Stage Progressive Cavity Pumps.....	13,986.16	207.40
For Rotor Coating, Duracoat 3000, Add	1,885.00	
43 23 57 00-0033 EA Model E07 Monoflo 1 Stage Progressive Cavity Pumps.....	8,141.97	276.54
For High Nitrile Stator, Add	46.00	
For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	147.00	
For Rotor Coating, Duracoat 3000, Add	1,635.00	
43 23 57 00-0034 EA Model E07 Monoflo 2 Stage Progressive Cavity Pumps.....	9,934.06	276.54
For High Nitrile Stator, Add	75.00	
For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	174.00	
For Rotor Coating, Duracoat 3000, Add	2,252.00	
43 23 57 00-0035 EA Model E07 Monoflo 4 Stage Progressive Cavity Pumps.....	18,084.00	276.54
For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	255.00	
For Rotor Coating, Duracoat 3000, Add	2,266.00	
43 23 57 00-0036 EA Model E08 Monoflo 1 Stage Progressive Cavity Pumps.....	9,115.81	414.82
For High Nitrile Stator, Add	57.00	
For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	154.00	
For Rotor Coating, Duracoat 3000, Add	2,069.00	
43 23 57 00-0037 EA Model E08 Monoflo 2 Stage Progressive Cavity Pumps.....	11,801.87	414.82
For High Nitrile Stator, Add	94.00	
For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	179.00	
For Rotor Coating, Duracoat 3000, Add	2,915.00	
43 23 57 00-0038 EA Model E08 Monoflo 4 Stage Progressive Cavity Pumps.....	20,819.35	414.82
For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	262.00	
For Rotor Coating, Duracoat 3000, Add	2,936.00	
43 23 57 00-0039 EA Model E09 Monoflo 1 Stage Progressive Cavity Pumps.....	11,786.57	414.82
For High Nitrile Stator, Add	81.00	
For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	129.00	
43 23 57 00-0040 EA Model E09 Monoflo 2 Stage Progressive Cavity Pumps.....	16,033.94	414.82
For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	262.00	
For Rotor Coating, Duracoat 3000, Add	3,502.00	
43 23 57 00-0041 EA Model E10 Monoflo 1 Stage Progressive Cavity Pumps.....	14,579.56	553.08
For High Nitrile Stator, Add	106.00	
For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	358.00	
For Rotor Coating, Duracoat 3000, Add	2,855.00	
43 23 57 00-0042 EA Model E10 Monoflo 2 Stage Progressive Cavity Pumps.....	20,115.73	553.08
For High Nitrile Stator, Add	162.00	
For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	499.00	
For Rotor Coating, Duracoat 3000, Add	3,581.00	
43 23 57 00-0043 EA Model E10 Monoflo 4 Stage Progressive Cavity Pumps.....	43,891.25	553.08
For Rotor Coating, Duracoat 3000, Add	4,329.00	
43 23 57 00-0044 EA Model E12 Monoflo 1 Stage Progressive Cavity Pumps.....	22,806.59	622.22
For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	522.00	
For Rotor Coating, Duracoat 3000, Add	3,312.00	
43 23 57 00-0045 EA Model E12 Monoflo 2 Stage Progressive Cavity Pumps.....	32,780.60	622.22
For Rotor Coating, Duracoat 3000, Add	5,284.00	
43 23 57 00-0046 EA Model E15 Monoflo 1 Stage Progressive Cavity Pumps.....	34,915.36	691.35
For Rotor Coating, Duracoat 3000, Add	4,400.00	
43 23 57 00-0047 EA Model E15 Monoflo 2 Stage Progressive Cavity Pumps.....	81,151.17	691.35
43 23 57 00-0048 EA Model E16 Monoflo 1 Stage Progressive Cavity Pumps.....	46,253.12	1,106.16
43 23 57 00-0049 EA Model E20 Monoflo 1 Stage Progressive Cavity Pumps.....	90,967.82	1,106.16

**43 23 78 Controlled Volume Horizontal Reciprocating Pumps (43 23)**
**43 23 78 31 Controlled Volume Horizontal Mechanically-Coupled Diaphragm Simplex Reciprocating Pumps (43 23 78)**
**43 23 78 31-0001 Diaphragm Pump (43 23 78 31)**

43 23 78 31-0002 EA 28 GPH Diaphragm Pump, Adjustable Flow 0-100% 250 PSI.....2,715.42



<b>Process Gas and Liquid Handling, Purification, and Storage Equipment</b>	<b>43</b>	<b>43</b>
<b>Liquid Handling Equipment</b>	<b>43 20</b>	
<b>Suspended Liquid Pumps</b>	<b>43 24</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**43 24 Suspended Liquid Pumps** (43 20)

**43 24 41 Archimedes Screw Pumps** (43 24)

**43 24 41 23 Positive-Displacement Inclined Closed-casing Archimedes Screw-type Pumps** (43 24 41)

**43 24 41 23-0001 Positive Displacement Pump** (43 24 41 23)

43 24 41 23-0002 EA 25 GPH Positive Displacement Pump, Adjustable Flow 0-100% 200 PSI Neoprene Packing.....	2,235.15	
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**43 40 Gas and Liquid Storage** (43)

**43 42 Pressurized Tanks And Vessels** (43 40)

**43 42 41 Metallic Specialty Pressure Tanks** (43 42)

**43 42 41 00-0001 L.P.G. Tanks With Regulator And Safety Controls** (43 42 41)

43 42 41 00-0002 EA 250 Gallon Aboveground LP Gas Storage Tank.....	1,200.31	73.48
43 42 41 00-0003 EA 500 Gallon Aboveground LP Gas Storage Tank.....	2,222.74	110.22
43 42 41 00-0004 EA 1,000 Gallon Aboveground LP Gas Storage Tank.....	3,186.39	117.57

**43 42 41 00-0005 L.P.G. Propane Vaporizers** (43 42 41)

43 42 41 00-0006 EA 21.5 KW, 26 Amps, 80 Gal/hr, 480 Volt, Three Phase, Electric Vaporizer.....	4,873.43	260.75
43 42 41 00-0007 EA 35.6 KW, 43 Amps, 120 Gal/hr, 480 Volt, Three Phase, Electric Vaporizer.....	6,667.64	325.94
43 42 41 00-0008 EA 39.5 KW, 47.5 Amps, 160 Gal/hr, 480 Volt, Three Phase, Electric Vaporizer.....	9,567.21	371.57
43 42 41 00-0009 EA 80 KW, 94.8 Amps, 320 Gal/hr, 480 Volt, Three Phase, Electric Vaporizer.....	16,633.67	456.31
43 42 41 00-0010 EA 120 KW, 142.2 Amps, 432 Gal/hr, 480 Volt, Three Phase, Electric Vaporizer.....	24,573.01	495.43

**END OF SECTION 43**



**43 Process Gas and Liquid Handling, Purification, and Storage Equipment**

43 40 Gas and Liquid Storage

43 42 Pressurized Tanks And Vessels

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**THIS PAGE INTENTIONALLY LEFT BLANK**



<b>Pollution and Waste Control Equipment</b>	<b>44</b>	
Odor Control	44 30	44
Odor Dispersing and Masking/Counteracting Equipment	44 32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 44 Pollution and Waste Control Equipment

### 44 30 Odor Control <sup>(44)</sup>

#### 44 32 Odor Dispersing and Masking/Counteracting Equipment <sup>(44 30)</sup>

##### 44 32 23 Odor Masking/Counteracting Equipment <sup>(44 32)</sup>

##### 44 32 23 00-0001 Air Purification Systems (Carbtrol) <sup>(44 32 23)</sup>

44 32 23 00-0002	EA	90 CFM, 1/3 HP, Coconut Shell Carbon, Cord And Plug, 2-1/2" Suction Hose, Carbon Absorber For Odor Control (Carbtrol G-1BP90).....	3,933.47	81.49
44 32 23 00-0003	EA	175 CFM, 1/3 HP, Coconut Shell Carbon, Cord And Plug, 4-5/8" Suction Hose, Carbon Absorber For Odor Control (Carbtrol G-2B175).....	4,097.21	97.78
44 32 23 00-0004	EA	275 CFM, 1/2 HP, Coconut Shell Carbon, Manual Motor, 4-5/8" Suction Hose, Carbon Absorber For Odor Control (Carbtrol G-2B275).....	4,993.20	114.08
44 32 23 00-0005	EA	450 CFM, 3/4 HP, Coconut Shell Carbon, Manual Motor, 4-5/8" Suction Hose, Carbon Absorber For Odor Control (Carbtrol G-3B450).....	5,506.67	130.38
44 32 23 00-0006	EA	90 CFM, 1/3 HP, CAT 2 Carbon, Cord And Plug, 2-1/2" Suction Hose, Carbon Absorber For Odor Control (Carbtrol GC2-1B90).....	4,288.67	81.49
44 32 23 00-0007	EA	175 CFM, 1/3 HP, CAT 2 Carbon, Cord And Plug, 4-5/8" Suction Hose, Carbon Absorber For Odor Control (Carbtrol GC2-2B175).....	4,479.73	97.78
44 32 23 00-0008	EA	275 CFM, 1/2 HP, CAT 2 Carbon, Manual Motor, 4-5/8" Suction Hose, Carbon Absorber For Odor Control (Carbtrol GC2-2B275).....	5,375.72	114.08
44 32 23 00-0009	EA	450 CFM, 3/4 HP, CAT 2 Carbon, Manual Motor, 4-5/8" Suction Hose, Carbon Absorber For Odor Control (Carbtrol GC2-3B450).....	5,889.19	130.38

##### 44 32 23 00-0010 Odor Control Systems (Carbtrol) <sup>(44 32 23)</sup>

44 32 23 00-0011	EA	225 CFM, 3/4 HP, NEMA 4X Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorber, Odor Control System (Carbtrol G20).....	24,071.01	106.26
44 32 23 00-0012	EA	500 CFM, 1 HP, NEMA 4X Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorber, Odor Control System (Carbtrol G21).....	28,522.90	135.59
44 32 23 00-0013	EA	900 CFM, 3 HP, NEMA 4X Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorber, Odor Control System (Carbtrol G22).....	32,708.98	162.97
44 32 23 00-0014	EA	1400 CFM, 3 HP, NEMA 4X Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorber, Odor Control System (Carbtrol G23).....	38,823.32	179.27
44 32 23 00-0015	EA	2000 CFM, 5 HP, NEMA 4X Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorber, Odor Control System (Carbtrol G24).....	46,001.56	195.56
44 32 23 00-0016	EA	225 CFM, CAT, NEMA 4X Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorber, Odor Control System (Carbtrol GC2-20).....	24,524.40	106.26
44 32 23 00-0017	EA	500 CFM, CAT, NEMA 4X Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorber, Odor Control System (Carbtrol GC2-21).....	29,432.84	135.59
44 32 23 00-0018	EA	900 CFM, CAT, NEMA 4X Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorber, Odor Control System (Carbtrol GC2-22).....	34,322.21	162.97
44 32 23 00-0019	EA	1400 CFM, CAT, NEMA 4X Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorber, Odor Control System (Carbtrol GC2-23).....	41,253.72	179.27
44 32 23 00-0020	EA	2000 CFM, CAT, NEMA 4X Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorber, Odor Control System (Carbtrol GC2-24).....	49,639.24	195.56
44 32 23 00-0021	EA	225 CFM, NEMA 7 Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorber, Odor Control System (Carbtrol G20).....	25,547.17	106.26
44 32 23 00-0022	EA	500 CFM, NEMA 7 Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorber, Odor Control System (Carbtrol G21).....	30,737.14	135.59
44 32 23 00-0023	EA	900 CFM, NEMA 7 Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorber, Odor Control System (Carbtrol G22).....	35,555.86	162.97
44 32 23 00-0024	EA	1400 CFM, NEMA 7 Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorber, Odor Control System (Carbtrol G23).....	42,091.96	179.27
44 32 23 00-0025	EA	2000 CFM, NEMA 7 Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorber, Odor Control System (Carbtrol G24).....	49,902.84	195.56

END OF SECTION 44

**44 Pollution and Waste Control Equipment**

44 30 Odor Control

44 32 Odor Dispersing and Masking/Counteracting Equipment

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**THIS PAGE INTENTIONALLY LEFT BLANK**



<b>Water And Wastewater Equipment</b>	<b>46</b>	<b>46</b>
<b>Water and Wastewater Preliminary Treatment Equipment</b>	<b>46 20</b>	
<b>Screening Equipment</b>	<b>46 21</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 46 Water And Wastewater Equipment

### 46 20 Water and Wastewater Preliminary Treatment Equipment <sup>(46)</sup>

#### 46 21 Screening Equipment <sup>(46 20)</sup>

##### 46 21 56 Wedge Wire Screens <sup>(46 21)</sup>

##### 46 21 56 00-0001 Wastewater Stationary Screening <sup>(46 21 56)</sup>

46 21 56 00-0002	EA	Wastewater Stationary Screen 145 LB, SV1.5S, 90 GPM.....	8,937.07	402.66
46 21 56 00-0003	EA	Wastewater Stationary Screen 190 LB, SV2S, 180 GPM.....	12,105.50	402.66
46 21 56 00-0004	EA	Wastewater Stationary Screen 740 LB, SV3S, 280 GPM.....	14,324.49	503.32
46 21 56 00-0005	EA	Wastewater Stationary Screen 980 LB, SV4S, 400 GPM.....	18,514.31	503.32
46 21 56 00-0006	EA	Wastewater Stationary Screen 1,300 LB, SV6S, 600 GPM.....	24,809.47	503.32
46 21 56 00-0007	EA	Wastewater Stationary Screen 2,450 LB, SV6S BB, 1,200 GPM.....	44,758.04	503.32
46 21 56 00-0008	EA	Wastewater Stationary Screen 1,700 LB, SV8S, 800 GPM.....	31,775.72	1,006.63
46 21 56 00-0009	EA	Wastewater Stationary Screen 3,300 LB, SV8S BB, 1,600 GPM.....	53,819.21	1,006.63
46 21 56 00-0010	EA	Wastewater Stationary Screen 2,300 LB, SV10S, 1,000 GPM.....	38,081.31	1,006.63
46 21 56 00-0011	EA	Wastewater Stationary Screen 4,200 LB, SV10S BB, 2,000 GPM.....	68,514.86	1,006.63

#### 46 24 Grinding and Shredding Equipment <sup>(46 20)</sup>

##### 46 24 16 Comminutors <sup>(46 24)</sup>

##### 46 24 16 00-0001 Comminutors <sup>(46 24 16)</sup>

46 24 16 00-0002	EA	Comminutors, Model A-5, 5" Diameter, 1/2 HP, 35 RPM, 164.....	4,890.19	1,207.96
46 24 16 00-0003	EA	Comminutors, Model A-8, 8" Diameter, 1/2 HP, 35 RPM, 360 GPM.....	6,456.30	1,610.61
46 24 16 00-0004	EA	Comminutors, Model A-12, 12" Diameter, 3/4 HP, 15 RPM, 1020 GPM.....	12,636.41	2,415.91

### 46 25 Oil and Grease Separation and Removal Equipment <sup>(46)</sup>

#### 46 25 47 Floating Scum Skimming and Removal Equipment <sup>(46 25)</sup>

##### 46 25 47 00-0001 Skimming Devices and Accessories (EIMCO) <sup>(46 25 47)</sup>

Note: Material Only - excludes installation

46 25 47 00-0002	EA	3', Stainless Steel, Skimming Device (EIMCO L42700-2).....	2,296.48	
		For 4" x 4" Guide Shoe, Add	897.00	
		For Ceramic Coating, Add	413.00	
		For Moisture Sensor, Add	4,661.85	
46 25 47 00-0003	EA	4', Stainless Steel, Skimming Device (EIMCO L42700-3).....	2,540.05	
		For 4" x 4" Guide Shoe, Add	897.00	
		For Ceramic Coating, Add	413.00	
		For Moisture Sensor, Add	5,156.30	
46 25 47 00-0004	EA	5', Stainless Steel, Skimming Device (EIMCO L42700-4).....	2,853.21	
		For 4" x 4" Guide Shoe, Add	897.00	
		For Ceramic Coating, Add	413.00	
		For Moisture Sensor, Add	5,792.02	
46 25 47 00-0005	EA	6', Stainless Steel, Skimming Device (EIMCO L42700-5).....	3,003.99	
		For 4" x 4" Guide Shoe, Add	897.00	
		For Ceramic Coating, Add	413.00	
		For Moisture Sensor, Add	6,098.10	
46 25 47 00-0006	EA	25,000 ft-lb Torque Rating, Cast Iron Base/Gear, Stainless Steel Oil Piping, NEMA 4X Control Panel, 30" Drive Unit (EIMCO L115100-1).....	38,854.64	
		For 4" x 4" Guide Shoe, Add	897.00	
		For Ceramic Coating, Add	413.00	
		For Moisture Sensor, Add	78,874.92	
46 25 47 00-0007	EA	80,000 ft-lb Torque Rating, Cast Iron Base/Gear, Stainless Steel Oil Piping, NEMA 4X Control Panel, 40" Drive Unit (EIMCO L115342).....	44,653.84	
		For 4" x 4" Guide Shoe, Add	897.00	
		For Ceramic Coating, Add	413.00	
		For Moisture Sensor, Add	90,647.30	
46 25 47 00-0008	EA	Skimming Device Clevis With Bushing (EIMCO 89081A1A).....	266.76	
		For 4" x 4" Guide Shoe, Add	897.00	
		For Ceramic Coating, Add	413.00	
		For Moisture Sensor, Add	541.52	
46 25 47 00-0009	EA	Type 'S' Skimmer Arm (EIMCO 48080A1A).....	126.42	
		For 4" x 4" Guide Shoe, Add	897.00	
		For Ceramic Coating, Add	413.00	
		For Moisture Sensor, Add	256.63	
46 25 47 00-0010	EA	Side Wiper Skimmer (EIMCO 81602A).....	13.92	
		For 4" x 4" Guide Shoe, Add	897.00	
		For Ceramic Coating, Add	413.00	
		For Moisture Sensor, Add	28.26	
46 25 47 00-0011	EA	Side Clamp (EIMCO 81598A).....	4.64	
		For 4" x 4" Guide Shoe, Add	897.00	
		For Ceramic Coating, Add	413.00	
		For Moisture Sensor, Add	9.42	

**46 Water And Wastewater Equipment****46 25 Oil and Grease Separation and Removal Equipment****46 25 47 Floating Scum Skimming and Removal Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 25 47 00-0012	EA		Hinged Skimmer (EIMCO 88188A).....	237.77	
			<i>For 4" x 4" Guide Shoe, Add</i>	897.00	
			<i>For Ceramic Coating, Add</i>	413.00	
			<i>For Moisture Sensor, Add</i>	482.67	
46 25 47 00-0013	EA		Skimming Device Collar (EIMCO 88011C1A).....	140.34	
			<i>For 4" x 4" Guide Shoe, Add</i>	897.00	
			<i>For Ceramic Coating, Add</i>	413.00	
			<i>For Moisture Sensor, Add</i>	284.89	
46 25 47 00-0014	EA		Wear Block, Skimmer (EIMCO 1141036-01).....	69.59	
			<i>For 4" x 4" Guide Shoe, Add</i>	897.00	
			<i>For Ceramic Coating, Add</i>	413.00	
			<i>For Moisture Sensor, Add</i>	141.27	
46 25 47 00-0015	EA		Stainless Steel Skimming Device Spring (EIMCO 85606A).....	48.71	
			<i>For 4" x 4" Guide Shoe, Add</i>	897.00	
			<i>For Ceramic Coating, Add</i>	413.00	
			<i>For Moisture Sensor, Add</i>	98.88	
46 25 47 00-0016	EA		Drive Control (EIMCO L115759-1).....	1,716.56	
			<i>For 4" x 4" Guide Shoe, Add</i>	897.00	
			<i>For Ceramic Coating, Add</i>	413.00	
			<i>For Moisture Sensor, Add</i>	3,484.62	
46 25 47 00-0017	EA		Actuating Pin (EIMCO 48806A).....	27.84	
			<i>For 4" x 4" Guide Shoe, Add</i>	897.00	
			<i>For Ceramic Coating, Add</i>	413.00	
			<i>For Moisture Sensor, Add</i>	56.52	

**46 30 Water and Wastewater Chemical Feed Equipment (46)****46 31 Gas Chemical Feed Equipment (46 30)****46 31 11 Chlorine Gas Feed Equipment (46 31)****46 31 11 00-0001 Wastewater Chlorinators, Gas Type (46 31 11)**

46 31 11 00-0002	EA		Direct Cylinder Mounted Type, Model #201, 100 PPD Gas Chlorinator.....	2,595.49	402.66
46 31 11 00-0003	EA		Wall Or Direct Cylinder Mounted Type, Model 202, 200 PPD Gas Chlorinator.....	2,802.24	402.66
46 31 11 00-0004	EA		Wall Or Direct Cylinder Mounted Type, Model 203, 500 PPD Gas Chlorinator.....	3,635.61	402.66
46 31 11 00-0005	EA		Booster Pump, 20 Thru 500 PPD System.....	819.78	201.32

**46 31 11 00-0006 High Capacity Chlorinators, Series 4000 Model (46 31 11)**

46 31 11 00-0007	EA		Single Cylinder, Floor Cabinet, 40X1C, 100 PPD.....	5,437.33	805.30
46 31 11 00-0008	EA		Single Cylinder, Floor Cabinet, 40X2C, 200 PPD.....	5,686.70	805.30
46 31 11 00-0009	EA		Single Cylinder, Floor Cabinet, 40X3C, 500 PPD.....	6,882.40	805.30
46 31 11 00-0010	EA		Single Cylinder, Floor Cabinet, 40X4C, 2000 PPD.....	9,144.42	1,207.96
46 31 11 00-0011	EA		Single Cylinder, Floor Cabinet 40X5C, 8000 PPD.....	10,995.52	1,207.96
46 31 11 00-0012	EA		Single Cylinder, Floor Cabinet, 40X6C, 10000 PPD.....	11,941.86	1,207.96
46 31 11 00-0013	EA		Dual Cylinder, Wall Cabinet, 40X1C, 100 PPD.....	4,090.30	805.30
46 31 11 00-0014	EA		Dual Cylinder, Wall Cabinet, 40X2C, 200 PPD.....	4,398.28	805.30
46 31 11 00-0015	EA		Dual Cylinder, Wall Cabinet, 40X3C, 500 PPD.....	5,327.56	805.30
46 31 11 00-0016	EA		Dual Cylinder, Wall Cabinet 40X4C, 2000 PPD.....	7,619.42	1,207.96
46 31 11 00-0017	EA		Dual Cylinder, Wall Cabinet, 41X5C, 8000 PPD.....	9,545.12	1,207.96

**46 31 11 00-0018 High Capacity Chlorinators, Add-Ons (46 31 11)**

46 31 11 00-0019	EA		Add For Flow Proportioning.....	2,632.25	
46 31 11 00-0020	EA		Add For Residual Control.....	9,303.47	
46 31 11 00-0021	EA		Add For Compound Loop.....	9,303.47	
46 31 11 00-0022	EA		Add For Gas Detectors.....	1,631.57	
46 31 11 00-0023	EA		Add For Booster Pumps, 20 Thru 500 PPD System.....	564.82	
46 31 11 00-0024	EA		Add For Booster Pumps, 501 Thru 8000 PPD System.....	1,694.45	
46 31 11 00-0025	EA		Add For Sample Pump.....	1,063.56	
46 31 11 00-0026	EA		Add For Factory Rep. Set-Up/Service Fee.....	5,861.30	

**46 33 Liquid Chemical Feed Equipment (46 30)****46 33 66 Liquid Chemical Transfer Pumps (46 33)****46 33 66 00-0001 Transfer Pump (46 33 66)****46 33 66 00-0002 Polypropylene With Hypalon Liners (46 33 66 00-0001)**

46 33 66 00-0003	EA		1/4 HP, 120 Volt, Chemical Transfer Pump, 3/4" In/Out.....	938.49	118.15
			<i>For Each LF Of 3/4" ID Braided Polyvinyl Chloride (PVC) Tubing, Add</i>	12.87	
			<i>For Hose Clamp, Add</i>	1.40	
			<i>For Carrying Kit (Handle, Base And Cord), Add</i>	96.00	
46 33 66 00-0004	EA		1/4 HP, 120 Volt, Chemical Transfer Pump, 1" In/Out.....	964.54	118.15
			<i>For Each LF Of 1" ID Braided Polyvinyl Chloride (PVC) Tubing, Add</i>	13.39	
			<i>For Hose Clamp, Add</i>	1.40	
			<i>For Carrying Kit (Handle, Base And Cord), Add</i>	96.00	
46 33 66 00-0005	EA		1/2 HP, 120 Volt, Chemical Transfer Pump, 1-1/4" In/1" Out.....	1,164.71	145.42
			<i>For Each LF Of 1-1/4" ID Braided Polyvinyl Chloride (PVC) Tubing, Add</i>	19.42	
			<i>For Hose Clamp, Add</i>	1.40	
			<i>For Carrying Kit (Handle, Base And Cord), Add</i>	96.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 46 40 Water and Wastewater Clarification and Mixing Equipment <sup>(46)</sup>

### 46 41 Mixing Equipment <sup>(46 40)</sup>

#### 46 41 11 Rapid Mixers <sup>(46 41)</sup>

##### 46 41 11 00-0001 Invent Hyperclassic Mixers And Platforms (Invent & J Blanco Associates) <sup>(46 41 11)</sup>

##### 46 41 11 00-0002 Invent Hyperclassic Mixers <sup>(46 41 11 00-0001)</sup>

46 41 11 00-0003	EA	3 HP, 1500mm, 26 RPM, FRP Mixer Body With Gearbox And Shaft (Invent & Blanco Associates HCM1500-26-3.0).....	26,798.66		284.53
		<i>For Baldor Motor, Add</i>	1,912.58		
46 41 11 00-0004	EA	1.5 HP, 2000mm, 22 RPM, FRP Mixer Body With Gearbox And Shaft (Invent & Blanco Associates HCM2000-22-1.5).....	28,556.16		234.31
		<i>For Baldor Motor, Add</i>	1,912.58		
46 41 11 00-0005	EA	3 HP, 2000mm, 26 RPM, FRP Mixer Body With Gearbox And Shaft (Invent & Blanco Associates HCM2000-26-3.0).....	29,312.33		284.53
		<i>For Baldor Motor, Add</i>	1,912.58		
46 41 11 00-0006	EA	2 HP, 2500mm, 216 RPM, FRP Mixer Body With Gearbox And Shaft (Invent & Blanco Associates HCM2500-16-2.0).....	35,372.31		254.40
		<i>For Baldor Motor, Add</i>	1,912.58		
46 41 11 00-0007	EA	3 HP, 2500mm, 18 RPM, FRP Mixer Body With Gearbox And Shaft (Invent & Blanco Associates HCM2500-18-3.0).....	35,651.15		284.53
		<i>For Baldor Motor, Add</i>	1,912.58		
46 41 11 00-0008	EA	5 HP, 2500mm, 22 RPM, FRP Mixer Body With Gearbox And Shaft (Invent & Blanco Associates HCM2500-22-5.0).....	39,420.56		311.31
		<i>For Baldor Motor, Add</i>	1,912.58		

##### 46 41 11 00-0009 Invent Hyperclassic Platforms <sup>(46 41 11 00-0001)</sup>

Note: For Use With Invent Hyperclassic Mixers					
46 41 11 00-0010	EA	Up To 12' x 42" Wide, Carbon Steel, Hot Dip Galvanized Platform With Anodized Aluminum Handrail And Grating (Invent & J Blanco Associates Small Carbon Steel) .....	20,477.63		894.52
		Note: Includes Stainless Steel 316 Hardware			
		<i>For 316 Stainless Steel Handrail, Add</i>	1,311.48		
		<i>For 316 Stainless Steel Grating, Add</i>	2,754.11		
46 41 11 00-0011	EA	12' To 25' x 42" Wide, Carbon Steel, Hot Dip Galvanized Platform With Anodized Aluminum Handrail And Grating (Invent & J Blanco Associates Big Carbon Steel) .....	23,698.06		1,302.54
		Note: Includes Stainless Steel 316 Hardware			
		<i>For 316 Stainless Steel Handrail, Add</i>	2,459.02		
		<i>For 316 Stainless Steel Grating, Add</i>	5,737.72		
46 41 11 00-0012	EA	Up To 12' x 42" Wide Anodized Aluminum Platform With Handrail And Grating (Invent & J Blanco Associates Small Aluminum) .....	29,876.57		894.52
		Note: Includes Stainless Steel 316 Hardware			
		<i>For 316 Stainless Steel Handrail, Add</i>	1,311.48		
		<i>For 316 Stainless Steel Grating, Add</i>	2,754.11		
46 41 11 00-0013	EA	12' To 25' x 42" Wide Anodized Aluminum Platform With Handrail And Grating (Invent & J Blanco Associates Big Aluminum) .....	33,315.58		1,302.54
		Note: Includes Stainless Steel 316 Hardware			
		<i>For 316 Stainless Steel Handrail, Add</i>	2,459.02		
		<i>For 316 Stainless Steel Grating, Add</i>	5,737.72		

#### 46 41 16 Induction-type Rapid Mixing Equipment <sup>(46 41)</sup>

##### 46 41 16 00-0001 Chemical Induction Mixer (Mastrrr Company) <sup>(46 41 16)</sup>

46 41 16 00-0002	EA	5 HP, 460 VAC/60 Hz/ 3 ph, Chemical Induction Mixer (Mastrrr Co. 32NV-5 HP).....	13,607.93		301.26
46 41 16 00-0003	EA	7-1/2 HP, 460 VAC/60 Hz/ 3 ph, Chemical Induction Mixer (Mastrrr Co. 32NV-7-1/2 HP) .....	16,461.88		334.74
46 41 16 00-0004	EA	10 HP, 460 VAC/60 Hz/ 3 ph, Chemical Induction Mixer (Mastrrr Co. 32NV-10 HP).....	19,601.38		401.68
46 41 16 00-0005	EA	20 HP, 460 VAC/60 Hz/ 3 ph, Chemical Induction Mixer (Mastrrr Co. 32NV-20 HP).....	26,501.43		569.72
46 41 16 00-0006	EA	25 HP, 460 VAC/60 Hz/ 3 ph, Chemical Induction Mixer (Mastrrr Co. 32NV-25 HP).....	29,578.21		647.39
46 41 16 00-0007	EA	460 VAC/60 Hz/ 3 ph, Control Panel (Mastrrr Co. Savvy 3).....	8,212.63		73.51
46 41 16 00-0008	EA	20', 316 Stainless Steel, Braided Lifting Cable With One Link Eye (Mastrrr Co. CAB-1).....	97.12		7.36
46 41 16 00-0009	EA	20', 3/4" Inside Diameter, PVC, Wire Reinforced, Flexible Hose (Mastrrr Co. FX-1) .....	441.82		25.64
46 41 16 00-0010	EA	20', 1" Inside Diameter, PVC, Wire Reinforced, Flexible Hose (Mastrrr Co. FX-1) .....	598.67		28.84
46 41 16 00-0011	EA	20', 1-1/2" Inside Diameter, PVC, Wire Reinforced, Flexible Hose (Mastrrr Co. FX-1) .....	715.32		35.25
46 41 16 00-0012	EA	20', 2" Inside Diameter, PVC, Wire Reinforced, Flexible Hose (Mastrrr Co. FX-1) .....	989.49		38.46
46 41 16 00-0013	Day	Start Up Assistance (Mastrrr Co. DHA-FS).....	1,967.22		

#### 46 41 23 Submersible Mixers <sup>(46 41)</sup>

##### 46 41 23 00-0001 Submersible Mixers (KSB Amamix) <sup>(46 41 23)</sup>

##### 46 41 23 00-0002 KSB Amamix Submersible Mixers <sup>(46 41 23 00-0001)</sup>

46 41 23 00-0003	EA	5.5 HP, 3 Phase, 32" Cast Iron Submersible Mixers, Gear Drive .....	11,660.34		872.52
		Note: Including 316 stainless steel adjustable mixer support frame, cable directing device and lifting handle. KSB Amamix Model 120-803/44UMG.			
46 41 23 00-0004	EA	6.5 HP, 3 Phase, 32" Cast Iron Submersible Mixers, Gear Drive .....	12,239.44		872.52
		Note: Including 316 stainless steel adjustable mixer support frame, cable directing device and lifting handle. KSB Amamix Model 180-801/46UMG.			

<b>46</b>	<b>Water And Wastewater Equipment</b>
<b>46 40</b>	<b>Water and Wastewater Clarification and Mixing Equipment</b>
<b>46 41</b>	<b>Mixing Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 41 23 00-0005 EA 7.5 HP, 3 Phase, 32" Cast Iron Submersible Mixers, Gear Drive ..... Note: Including 316 stainless steel adjustable mixer support frame, cable directing device and lifting handle. KSB Amamix Model 180-802/54UMG.	11,944.35	872.52
<b>46 41 23 00-0006 KSB Amamix Submersible Mixers Accessories (46 41 23 00-0001)</b>		
46 41 23 00-0007 EA Mast Assemble (Vertical), 20', 316 Stainless Steel..... Note: Including positioner plate, all wall brackets, pivoting base bracket, anchor bolts, and static cable assembly. For Each Additional Foot Mast Length, Add 128.00	3,061.48	
46 41 23 00-0008 EA Extension Bracket, Wall To Mast, 316 Stainless Steel..... Note: For "T" and "Y" wall application, including hardware.	354.74	
46 41 23 00-0009 EA Mixer Stop Bracket, 316 Stainless Steel .....	107.74	
46 41 23 00-0010 EA Fixed Reach Hoist, 316 Stainless Steel .....	992.39	
Note: Includes marine grade winch with 40' of 316 stainless steel cable and shackle.		
<b>46 41 23 00-0011 Submersible Mixers (US Filter) (46 41 23)</b>		
<b>46 41 23 00-0012 US Filter Submersible Mixers (46 41 23 00-0011)</b>		
46 41 23 00-0013 EA 2.7 HP, 3 Phase, Submersible Mixers ..... Note: TR50 2 - 6/8 Uniprop.	9,793.25	872.52
46 41 23 00-0014 EA 4.4 HP, 3 Phase, Submersible Mixers ..... Note: TR50 2 - 4/8 Uniprop.	9,187.53	872.52
46 41 23 00-0015 EA 5.6 HP, 3 Phase, Submersible Mixers ..... Note: TR50 2 - 4/8R Uniprop.	9,250.76	872.52
46 41 23 00-0016 EA 6 HP, 3 Phase, Submersible Mixers ..... Note: TR50 2 - 6/16 Uniprop.	11,241.24	872.52
46 41 23 00-0017 EA 7.4 HP, 3 Phase, Submersible Mixers ..... Note: TR50 2 - 4/12 Uniprop.	10,118.71	872.52
46 41 23 00-0018 EA 10 HP, 3 Phase, Submersible Mixers ..... Note: TR50 2 - 4/16 Uniprop.	12,388.64	872.52
<b>46 41 23 00-0019 US Filter Submersible Mixers Accessories (46 41 23 00-0011)</b>		
46 41 23 00-0020 EA Mast Assembly (Vertical) ..... Note: Including 304 stainless steel lowering device, 20' 4" x 4" 304 stainless steel guide rail, fixation plate, bottom bearing plate, all anchors and bolts	6,047.94	
46 41 23 00-0021 EA Replacement Mounting Skids .....	1,140.54	
46 41 23 00-0022 EA Replacement Rollers.....	48.13	
46 41 23 00-0023 EA Replacement Cable Clamps .....	50.35	

## 46 50 Water and Wastewater Secondary Treatment Equipment (46)

### 46 51 Air and Gas Diffusion Equipment (46 50)

#### 46 51 11 Fixed Mechanical Aerators (46 51)

<b>46 51 11 00-0001 High Speed Mechanical Surface Aerator (46 51 11)</b> Note: Includes electric motor, ductile iron deflector, carbon steel core, stainless steel impeller and shaft, fiberglass float, morse moreflex radial coupling and cutless rubber bearing.		
46 51 11 00-0002 EA 5 HP, 1,800 RPM Mechanical Surface Aerator With Ductile Iron Deflector And Carbon Steel Core..... For Stainless Steel Deflector And Core, Add 3,705.61 For Floating Unit (Includes Platform With Ballast System), Add 9,766.80	13,225.36	822.66
46 51 11 00-0003 EA 7.5 HP, 1,800 RPM Mechanical Surface Aerator With Ductile Iron Deflector And Carbon Steel Core..... For Stainless Steel Deflector And Core, Add 3,866.73 For Floating Unit (Includes Platform With Ballast System), Add 10,177.13	13,728.84	822.66
46 51 11 00-0004 EA 10 HP, 1,800 RPM Mechanical Surface Aerator With Ductile Iron Deflector And Carbon Steel Core..... For Stainless Steel Deflector And Core, Add 4,672.29 For Floating Unit (Includes Platform With Ballast System), Add 12,350.52	16,854.79	1,097.20
46 51 11 00-0005 EA 15 HP, 1,200 RPM Mechanical Surface Aerator With Ductile Iron Deflector And Carbon Steel Core..... For Stainless Steel Deflector And Core, Add 5,316.75 For Floating Unit (Includes Platform With Ballast System), Add 13,991.87	18,868.71	1,097.20
46 51 11 00-0006 EA 20 HP, 1,200 RPM Mechanical Surface Aerator With Ductile Iron Deflector And Carbon Steel Core..... For Stainless Steel Deflector And Core, Add 6,444.55 For Floating Unit (Includes Platform With Ballast System), Add 16,864.23	22,393.08	1,097.20
46 51 11 00-0007 EA 25 HP, 1,200 RPM Mechanical Surface Aerator With Ductile Iron Deflector And Carbon Steel Core..... For Stainless Steel Deflector And Core, Add 7,250.12 For Floating Unit (Includes Platform With Ballast System), Add 19,047.55	25,568.69	1,462.46
46 51 11 00-0008 EA 30 HP, 1,200 RPM Mechanical Surface Aerator With Ductile Iron Deflector And Carbon Steel Core..... For Stainless Steel Deflector And Core, Add 7,948.27 For Floating Unit (Includes Platform With Ballast System), Add 20,825.67	27,750.43	1,462.46
46 51 11 00-0009 EA 40 HP, 1,200 RPM Mechanical Surface Aerator With Ductile Iron Deflector And Carbon Steel Core..... For Stainless Steel Deflector And Core, Add 11,277.96 For Floating Unit (Includes Platform With Ballast System), Add 29,381.67	38,534.26	1,645.32
46 51 11 00-0010 EA 50 HP, 900 RPM Mechanical Surface Aerator With Ductile Iron Deflector And Carbon Steel Core..... For Stainless Steel Deflector And Core, Add 11,868.70 For Floating Unit (Includes Platform With Ballast System), Add 30,980.25	40,850.44	1,880.37
46 51 11 00-0011 EA 60 HP, 900 RPM Mechanical Surface Aerator With Ductile Iron Deflector And Carbon Steel Core..... For Stainless Steel Deflector And Core, Add 14,124.30 For Floating Unit (Includes Platform With Ballast System), Add 36,724.97	47,899.17	1,880.37
46 51 11 00-0012 EA 75 HP, 900 RPM Mechanical Surface Aerator With Ductile Iron Deflector And Carbon Steel Core..... For Stainless Steel Deflector And Core, Add 14,876.16 For Floating Unit (Includes Platform With Ballast System), Add 38,765.22	50,875.52	2,193.92



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 51 11 00-0013 EA 100 HP, 900 RPM Mechanical Surface Aerator With Ductile Iron Deflector And Carbon Steel Core ..... <i>For Stainless Steel Deflector And Core, Add</i> <i>For Floating Unit (Includes Platform With Ballast System), Add</i>	59,808.71 17,453.98 45,506.11	2,632.51
<b>46 51 11 00-0014 Low Speed Mechanical Surface Aerator</b> <sup>(46 51 11)</sup> Note: Includes electric motor gear reduction box, coupling, impeller/shaft, and adjusting studs.		
46 51 11 00-0015 EA 15 HP Mechanical Surface Aerator, Fixed, Low Speed And Electrical Motor Gear Reducing Box ..... <i>For Floating Unit (Includes Platform With Ballast System), Add</i>	23,736.87 17,996.38	1,097.20
46 51 11 00-0016 EA 20 HP Mechanical Surface Aerator, Fixed, Low Speed And Electrical Motor Gear Reducing Box ..... <i>For Floating Unit (Includes Platform With Ballast System), Add</i>	26,708.33 20,418.12	1,097.20
46 51 11 00-0017 EA 25 HP Mechanical Surface Aerator, Fixed, Low Speed And Electrical Motor Gear Reducing Box ..... <i>For Floating Unit (Includes Platform With Ballast System), Add</i>	31,604.26 24,138.48	1,316.26
46 51 11 00-0018 EA 30 HP Mechanical Surface Aerator, Fixed, Low Speed And Electrical Motor Gear Reducing Box ..... <i>For Floating Unit (Includes Platform With Ballast System), Add</i>	35,318.59 27,165.66	1,316.26
46 51 11 00-0019 EA 40 HP Mechanical Surface Aerator, Fixed, Low Speed And Electrical Motor Gear Reducing Box ..... <i>For Floating Unit (Includes Platform With Ballast System), Add</i>	39,325.42 30,251.34	1,462.46
46 51 11 00-0020 EA 50 HP Mechanical Surface Aerator, Fixed, Low Speed And Electrical Motor Gear Reducing Box ..... <i>For Floating Unit (Includes Platform With Ballast System), Add</i>	42,296.88 32,673.08	1,462.46
46 51 11 00-0021 EA 60 HP Mechanical Surface Aerator, Fixed, Low Speed And Electrical Motor Gear Reducing Box ..... <i>For Floating Unit (Includes Platform With Ballast System), Add</i>	47,862.58 36,984.25	1,645.32
46 51 11 00-0022 EA 75 HP Mechanical Surface Aerator, Fixed, Low Speed And Electrical Motor Gear Reducing Box ..... <i>For Floating Unit (Includes Platform With Ballast System), Add</i>	53,805.50 41,827.73	1,645.32
46 51 11 00-0023 EA 100 HP Mechanical Surface Aerator, Fixed, Low Speed And Electrical Motor Gear Reducing Box ..... <i>For Floating Unit (Includes Platform With Ballast System), Add</i>	63,189.98 49,186.98	1,880.37
46 51 11 00-0024 EA 125 HP Mechanical Surface Aerator, Fixed, Low Speed And Electrical Motor Gear Reducing Box ..... <i>For Floating Unit (Includes Platform With Ballast System), Add</i>	71,988.28 55,972.12	2,193.92
46 51 11 00-0025 EA 150 HP Mechanical Surface Aerator, Fixed, Low Speed And Electrical Motor Gear Reducing Box ..... <i>For Floating Unit (Includes Platform With Ballast System), Add</i>	90,559.92 71,108.01	2,193.92

**46 60 Water and Wastewater Advanced Treatment Equipment** <sup>(46)</sup>

**46 61 Filtration Equipment** <sup>(46 60)</sup>

**46 61 21 Pressure Filters** <sup>(46 61)</sup>

46 61 21 00-0001 Pressure Filter For Pre-Treatment Of Raw Water <sup>(46 61 21)</sup>  
Note: For domestic or industrial uses, and as tertiary step to render treated waste water suitable for discharge or possible reuse. Excludes raw water or backwash pumps, loss-of-head indicator, sight glasses, backwash flow rate indicator, nor pre-treatment equipment such as flash mixers, clarifiers, and chemical feed equipment.

46 61 21 00-0002 Pressure Filter With 100 PSI Non-Code Steel Construction <sup>(46 61 21 00-0001)</sup>  
Note: A radial slotted PVC pipe lateral underdrain with gravel support bed, manual gate valves, manual operation, sand media, influent and effluent pressure gauges, sampling connections and schedule 40 steel pipe with cast iron fittings, flow rate at 5 GPM per SF.

46 61 21 00-0003 EA 3' Diameter, 36 GPM Manual Operating Pressure Filter For Pretreatment Of Raw Water .....	8,296.50	1,413.31
46 61 21 00-0004 EA 4' Diameter, 65 GPM Manual Operating Pressure Filter For Pretreatment Of Raw Water .....	12,218.73	1,581.75
46 61 21 00-0005 EA 5' Diameter, 100 GPM Manual Operating Pressure Filter For Pretreatment Of Raw Water .....	15,350.10	1,581.75
46 61 21 00-0006 EA 6' Diameter, 140 GPM Manual Operating Pressure Filter For Pretreatment Of Raw Water .....	20,996.91	1,748.18
46 61 21 00-0007 EA 7' Diameter, 200 GPM Manual Operating Pressure Filter For Pretreatment Of Raw Water .....	26,920.07	1,748.18
46 61 21 00-0008 EA 8' Diameter, 250 GPM Manual Operating Pressure Filter For Pretreatment Of Raw Water .....	33,195.56	2,142.78

46 61 21 00-0009 Pressure Filter With 100 PSI Non-Code Steel Shell Construction <sup>(46 61 21 00-0001)</sup>  
Note: A flat plate with sand retaining corrosion resistant diffuser equipped for air scouring, electrically operated valves for automatic operation, sand media, influent and effluent pressure gages, sampling connect and schedule 40 steel pipe with cast iron fittings, flow rate at 5 GPM per SF.

46 61 21 00-0010 EA 3' Diameter, 36 GPM Electric Operating Pressure Filter For Pretreatment Of Raw Water .....	10,471.42	1,413.31
46 61 21 00-0011 EA 4' Diameter, 65 GPM Electric Operating Pressure Filter For Pretreatment Of Raw Water .....	14,363.12	1,581.75
46 61 21 00-0012 EA 5' Diameter, 100 GPM Electric Operating Pressure Filter For Pretreatment Of Raw Water .....	16,656.33	1,581.75
46 61 21 00-0013 EA 6' Diameter, 140 GPM Electric Operating Pressure Filter For Pretreatment Of Raw Water .....	20,542.85	1,748.18
46 61 21 00-0014 EA 7' Diameter, 200 GPM Electric Operating Pressure Filter For Pretreatment Of Raw Water .....	21,954.64	1,748.18
46 61 21 00-0015 EA 8' Diameter, 250 GPM Electric Operating Pressure Filter For Pretreatment Of Raw Water .....	33,602.57	2,142.78

**46 61 23 Gravity Filters** <sup>(46 61)</sup>

46 61 23 00-0001 Packaged Water Filters <sup>(46 61 23)</sup>

46 61 23 00-0002 Gravity Filtration Units <sup>(46 61 23 00-0001)</sup>

46 61 23 00-0003 EA Gravity Filtration Units, 4', 94 GPM.....	32,327.38	805.30
46 61 23 00-0004 EA Gravity Filtration Units, 8', 376 GPM.....	58,346.52	805.30
46 61 23 00-0005 EA Gravity Filtration Units, 12', 847 GPM.....	91,135.78	1,610.61
46 61 23 00-0006 EA Gravity Filtration Units, 18', 1,908 GPM.....	137,771.08	8,053.03
46 61 23 00-0007 EA Gravity Filtration Units, 20', 2,356 GPM.....	149,318.04	8,053.03

**46 80 Water Treatment Equipment** <sup>(46)</sup>

**46 82 General Water Treatment Equipment** <sup>(46 80)</sup>

**46 82 13 Aeration Water Treatment Equipment** <sup>(46 82)</sup>



**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
46 82 13 00-0001		<b>Froth Control Nozzles</b> <small>(46 82 13)</small> Note: BETE series TF polypropylene body.			
46 82 13 00-0002		<b>Wide Range Of Flows And Angles</b> <small>(46 82 13 00-0001)</small> Note: BETE series TF, polypropylene body.			
46 82 13 00-0003	EA	3/8" Diameter Nozzle .....	42.24		3.54
46 82 13 00-0004	EA	1/2" Diameter Nozzle .....	45.01		3.54
46 82 13 00-0005		<b>High Impact/Narrow Fan Spray Nozzles</b> <small>(46 82 13 00-0001)</small> Note: BETE series SPN, brass body.			
46 82 13 00-0006	EA	3/8" Diameter Nozzle .....	66.72		3.54
46 82 13 00-0007	EA	1/2" Diameter Nozzle .....	73.44		3.54
46 82 13 00-0008		<b>Maximum Free Passage Nozzles</b> <small>(46 82 13 00-0001)</small> Note: BETE series MP, polypropylene body.			
46 82 13 00-0009	EA	3/8" Diameter Nozzle .....	54.48		3.54
46 82 13 00-0010	EA	1/2" Diameter Nozzle .....	59.22		3.54
46 82 13 00-0011		<b>Drainage Stems, Diffusers, Saddles</b> <small>(46 82 13)</small>			
46 82 13 00-0012	EA	Sanitaire MT-2 Membrane Tube Diffuser, Ethylene Propylene Diene Monomer (EPDM) Membrane With Polyvinyl Chloride (PVC) Body, 24" Diffuser .....	112.01		7.08
46 82 13 00-0013	EA	Sanitaire Diffuser, 304L Stainless Steel, 24" Long.....	104.48		7.08
46 82 13 00-0014	EA	Sanitaire Diffuser, 316L Stainless Steel, 24" Long.....	117.03		7.08
46 82 13 00-0015	EA	Sanitaire Diffuser, 304L Stainless Steel, 12" Long.....	98.05		6.37
46 82 13 00-0016	EA	Sanitaire Diffuser, 316L Stainless Steel, 12" Long.....	103.32		6.37
46 82 13 00-0017	EA	Open Bottom Coarse Bubble Diffuser, 304L Stainless Steel, 12" Long.....	86.06		6.37
46 82 13 00-0018	EA	Open Bottom Coarse Bubble Diffuser, 304L, 24" Long.....	99.74		7.08
46 82 13 00-0019	EA	EnviroQuip AirBand, Polyvinyl Chloride (PVC) Coarse Bubble Diffuser, 24" Long .....	48.37		7.08
46 82 13 00-0020	EA	EnviroQuip Variair Adjustable Diffuser, Polyvinyl Chloride (PVC).....	34.26		5.31
46 82 13 00-0021	EA	EnviroQuip Snap Cap Diffuser, Ethylene Propylene Diene Monomer (EPDM) Thermoplastic Cap, Celcon Plastic Base, 5 CFM Max.....	24.09		5.31
46 82 13 00-0022	EA	EnviroQuip Snap Cap Diffuser, Ethylene Propylene Diene Monomer (EPDM) Thermoplastic Cap, Celcon Plastic Base, 10 CFM Max.....	25.45		5.31
46 82 13 00-0023	EA	EnviroQuip Snap Cap Diffuser, Ethylene Propylene Diene Monomer (EPDM) Thermoplastic Cap, SS Base, 5 CFM Max.....	41.12		5.31
46 82 13 00-0024	EA	EnviroQuip Snap Cap Diffuser, Ethylene Propylene Diene Monomer (EPDM) Thermoplastic Cap, SS Base, 10 CFM Max.....	42.81		5.31
46 82 13 00-0025	EA	EnviroQuip FlexLine Membrane Tube Diffuser, 24" Long, Ethylene Propylene Diene Monomer (EPDM) .....	57.87		5.31
46 82 13 00-0026	EA	EnviroQuip FlexDome Fine Bubble Diffuser, 10" Diameter.....	39.95		5.31
46 82 13 00-0027	EA	EnviroQuip FlexDisc Fine Bubble Diffuser, 10" Diameter .....	39.95		5.31
46 82 13 00-0028	EA	EnviroQuip AirSeal Diffuser, 6-1/4" Diameter .....	39.95		5.31
46 82 13 00-0029	EA	Fine Bubble Ceramic Dome Diffuser, 7-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) Plastic Body.....	70.99		7.08
46 82 13 00-0030	EA	Fine Bubble Ceramic Dome Diffuser, 7-1/2" Diameter, SS Body And Hypalon Gaskets .....	156.06		7.08
46 82 13 00-0031	EA	Wyss Flex-A-Tube Fine Bubble Diffuser, 2" Long.....	112.17		8.85
46 82 13 00-0032	EA	Wyss Flex-A-Tube Polyurethane Replacement Sheath.....	39.34		5.31
46 82 13 00-0033	EA	Wyss Flex-A-Tube Ethylene Propylene Diene Monomer (EPDM) Replacement Sheath.....	29.84		5.31
46 82 13 00-0034	EA	AquaTec Fine Bubble Diffuser, 12" Diameter .....	116.80		7.08
46 82 13 00-0035	EA	Wilfley Weber Dura-Disc Plus Diffuser, .5 To 7 SCFM .....	71.18		7.08
46 82 13 00-0036	EA	Wilfley Weber Dura-Disc Plus Diffuser, 3 To 10 SCFM .....	71.18		7.08
46 82 13 00-0037	EA	Clog-Free Bottom Discharge Diffuser, Acrylonitrile Butadiene Styrene (ABS) Plastic, 5" Diameter.....	34.39		7.08
46 82 13 00-0038	EA	Hydro-Aerobic Hydro-Ceal Coarse Bubble, 3 CFM Max.....	27.63		7.08
46 82 13 00-0039	EA	Hydro-Aerobic Hydro-Ceal Coarse Bubble, 12 CFM Max.....	30.00		7.08
46 82 13 00-0040	EA	Hydro-Chek Coarse Bubble Diffuser, Celcon, .5-3 CFM.....	24.44		7.08
46 82 13 00-0041	EA	Hydro-Chek Coarse Bubble Diffuser, Celcon, 3-12 CFM.....	26.88		7.08
46 82 13 00-0042	EA	Hydro-Chek Coarse Bubble Diffuser, Stainless Steel, 0.5-3 CFM .....	75.39		7.08
46 82 13 00-0043	EA	Hydro-Chek Coarse Bubble Diffuser, Stainless Steel, 3-12 CFM .....	96.65		7.08
46 82 13 00-0044	EA	USFilter Discfuser Diffuser.....	57.64		7.08
46 82 13 00-0045	EA	Flexoplate Diffuser.....	74.73		8.85
46 82 13 00-0046	EA	Flexoplate Ethylene Propylene Diene Monomer (EPDM) Replacement Membrane .....	48.09		5.31
46 82 13 00-0047	EA	Ceramic Tube Diffuser 24", 316 Stainless Steel Hardware.....	85.40		5.31
46 82 13 00-0048	EA	Refractron 7" Ceramic Dome Diffuser.....	43.20		5.31
46 82 13 00-0049	EA	2" Single Outlet Polyvinyl Chloride (PVC) Saddle.....	34.80		5.31
46 82 13 00-0050	EA	2" Double Outlet Polyvinyl Chloride (PVC) Saddle.....	37.99		5.31
46 82 13 00-0051	EA	3" Single Outlet Polyvinyl Chloride (PVC) Saddle.....	44.48		6.02
46 82 13 00-0052	EA	3" Double Outlet Polyvinyl Chloride (PVC) Saddle.....	48.77		6.02
46 82 13 00-0053	EA	4" Single Outlet Polyvinyl Chloride (PVC) Saddle.....	54.16		6.72
46 82 13 00-0054	EA	4" Double Outlet Polyvinyl Chloride (PVC) Saddle.....	59.54		6.72
46 82 13 00-0055	EA	6" Single Outlet Polyvinyl Chloride (PVC) Saddle.....	60.83		7.44
46 82 13 00-0056	EA	6" Double Outlet Polyvinyl Chloride (PVC) Saddle.....	73.72		7.44
46 82 13 00-0057		<b>Miscellaneous Items</b> <small>(46 82 13)</small>			
46 82 13 00-0058	EA	Plastic Air Diffuser With 3/4" NPT Threaded Base And Brass Check Valve .....	23.39		7.08
46 82 13 00-0059	EA	1-1/4" x 18"-4" Stainless Steel Aeration Drain Gate Stem Assembly .....	748.79		72.93
46 82 13 00-0060	EA	1-3/4" x 23' - 11.25" Stainless Steel Aeration Drain Gate Stem Assembly.....	1,096.26		175.04

**46 82 23 Water Treatment Clarifiers** (46 82)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>46 82 23 00-0001 Wastewater Clarifier/Interceptors, Model HYGI</b> <small>(46 82 23)</small>		
46 82 23 00-0002 EA 750 Gallon Precast Reinforced Clarifier.....	2,585.67	402.66
46 82 23 00-0003 EA 1,000 Gallon Precast Reinforced Clarifier.....	2,809.26	503.32
46 82 23 00-0004 EA 1,250 Gallon Precast Reinforced Clarifier.....	3,050.39	603.98
46 82 23 00-0005 EA 1,500 Gallon Precast Reinforced Clarifier.....	3,605.64	805.30
46 82 23 00-0006 LF 12' High Risers, Elevating Height Of Tank, Add Per LF.....	104.22	
 <b>46 82 33 Water Treatment Digesters</b> <small>(46 82)</small>		
<b>46 82 33 00-0001 Digester Cleaning Services</b> <small>(46 82 33)</small>		
<b>46 82 33 00-0002 Digester Cleaning Services</b> <small>(46 82 33 00-0001)</small>		
Note: All dewatering operations shall occur on site. See CSI section 01 22 20 00-0061 for gas monitoring.		
<b>46 82 33 00-0003 Digester Dewatering</b> <small>(46 82 33 00-0002)</small>		
Note: Includes moving material from the digester to the mobile dewatering system and processing the material.		
46 82 33 00-0004 CF Digester Tank Cleaning, Minimum 10,000 CF For Each Tank.....	1.15	
<i>For &gt;50,000, Deduct</i>		-0.09
 <b>46 82 33 00-0005 Digester Residual Transportation And Disposal</b> <small>(46 82 33 00-0002)</small>		
Note: Includes transporting digester residuals from mobile dewatering system to landfill including landfill fee.		
46 82 33 00-0006 TON Transportation And Disposal Of Digester Residuals.....		86.50
 <b>46 82 36 Water Treatment Separator</b> <small>(46 82)</small>		
<b>46 82 36 00-0001 Commercial Service Centrifugal Separators</b> <small>(46 82 36)</small>		
Note: For water well applications sealed unit, includes support stand.		
46 82 36 00-0002 EA 4" Unit, 200 - 350 GPM, Commercial Service Centrifugal Separators.....	4,917.34	304.70
Note: Includes support stand.		
<i>For Electrically Controlled Ball Valve With Controller, Add</i>		
	930.00	
46 82 36 00-0003 EA 5" Unit, 320 - 540 GPM, Commercial Service Centrifugal Separators.....	6,257.21	338.56
Note: Includes support stand.		
<i>For Electrically Controlled Ball Valve With Controller, Add</i>		
	930.00	
46 82 36 00-0004 EA 6" Unit, 510 - 840 GPM, Commercial Service Centrifugal Separators.....	6,407.82	355.49
Note: Includes support stand.		
<i>For Electrically Controlled Ball Valve With Controller, Add</i>		
	930.00	
46 82 36 00-0005 EA 8" Unit, 820 - 1,360 GPM, Commercial Service Centrifugal Separators.....	8,119.31	372.35
Note: Includes support stand.		
<i>For Electrically Controlled Ball Valve With Controller, Add</i>		
	930.00	
 <b>46 82 36 00-0006 Commercial Service Centrifugal Separators</b> <small>(46 82 36)</small>		
Note: For water well applications sealed unit with removable top, includes support stand.		
46 82 36 00-0007 EA 4" Unit, 200 - 350 GPM, Commercial Service Centrifugal Separators With Removable Top.....	6,969.93	304.70
Note: Includes support stand.		
<i>For Electrically Controlled Ball Valve With Controller, Add</i>		
	930.00	
46 82 36 00-0008 EA 5" Unit, 320 - 540 GPM, Commercial Service Centrifugal Separators With Removable Top.....	8,451.15	338.56
Note: Includes support stand.		
<i>For Electrically Controlled Ball Valve With Controller, Add</i>		
	930.00	
46 82 36 00-0009 EA 6" Unit, 510 - 840 GPM, Commercial Service Centrifugal Separators With Removable Top.....	8,792.26	355.49
Note: Includes support stand.		
<i>For Electrically Controlled Ball Valve With Controller, Add</i>		
	930.00	
46 82 36 00-0010 EA 8" Unit, 820 - 1,360 GPM, Commercial Service Centrifugal Separators With Removable Top, Includes Support Stand.....	10,620.52	372.35
<i>For Electrically Controlled Ball Valve With Controller, Add</i>		
	930.00	
 <b>46 82 73 Water Treatment Tanks/Tank Liners</b> <small>(46 82)</small>		
<b>46 82 73 00-0001 Sewage Treatment Tank Components</b> <small>(46 82 73)</small>		
Note: All metal components shall be primed and painted.		
<b>46 82 73 00-0002 Drive Chains - 78 Series</b> <small>(46 82 73 00-0001)</small>		
46 82 73 00-0003 LF HB78 403 Stainless Steel Drive Chain.....	81.21	2.55
<i>For &gt;500 To 1,000, Deduct</i>		
	-4.30	
<i>For &gt;1,000, Deduct</i>		
	-6.10	
<i>For Extra Material Parts (No Labor), Add</i>		
	40.24	
46 82 73 00-0004 LF H78 Reinforced Nylon Drive Chain, Glass Reinforced Nylon Links With Stainless Steel Pins.....	64.94	2.55
<i>For &gt;500 To 1,000, Deduct</i>		
	-3.10	
<i>For &gt;1,000, Deduct</i>		
	-5.50	
<i>For Extra Material Parts (No Labor), Add</i>		
	28.10	
46 82 73 00-0005 LF H78 Acetal Resin Drive Chain With Acetal Resin Pins.....	65.07	2.55
<i>For &gt;500 To 1,000, Deduct</i>		
	-2.40	
<i>For &gt;1,000, Deduct</i>		
	-4.30	
<i>For Extra Material Parts (No Labor), Add</i>		
	31.90	
46 82 73 00-0006 LF H78 Cast Metal Drive Chain.....	82.30	2.55
<i>For &gt;500 To 1,000, Deduct</i>		
	-6.10	
<i>For &gt;1,000, Deduct</i>		
	-7.70	
<i>For Extra Material Parts (No Labor), Add</i>		
	41.10	
46 82 73 00-0007 LF Remove And Reinstall Drive Chain.....		13.46

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 73 00-0008			<b>Flight Chains - 700 Series</b> (46 82 73 00-0001)		
	46 82 73 00-0009	LF	720S Cast Metal Chain .....89.90		3.36
			For >500 To 1,000, Deduct	-4.47	
			For >1,000, Deduct	-6.86	
			For Extra Material Parts (No Labor), Add	83.19	
	46 82 73 00-0010	EA	6" Or 8" Cast Metal Flight Attachment .....159.69		5.03
			For >500 To 1,000, Deduct	-8.04	
			For >1,000, Deduct	-12.34	
			For Extra Material Parts (No Labor), Add	149.62	
	46 82 73 00-0011	LF	SAV715 403 Stainless Steel Flight Chain .....83.77		1.67
			For >500 To 1,000, Deduct	-4.32	
			For >1,000, Deduct	-6.63	
			For Extra Material Parts (No Labor), Add	80.41	
	46 82 73 00-0012	EA	6" Or 8" Stainless Steel Flight Attachment .....85.75		5.03
			For >500 To 1,000, Deduct	-4.07	
			For >1,000, Deduct	-6.24	
			For Extra Material Parts (No Labor), Add	75.68	
	46 82 73 00-0013	LF	NM720-CS Polyester Flight Chain, 6" Pitch, Glass Fiber Reinforced Polyester Links .....36.98		5.03
			For >500 To 1,000, Deduct	-1.81	
			For >1,000, Deduct	-2.77	
			For Extra Material Parts (No Labor), Add	33.62	
	46 82 73 00-0014	EA	6" Or 8" Polyester Flight Attachment .....29.71		5.03
			For >500 To 1,000, Deduct	-1.06	
			For >1,000, Deduct	-1.62	
			For Extra Material Parts (No Labor), Add	19.64	
	46 82 73 00-0015	LF	HS730 Polyester Flight Chain, 6" Pitch, Glass Fiber Reinforced Polyester Links .....63.30		1.67
			For >500 To 1,000, Deduct	-3.22	
			For >1,000, Deduct	-4.94	
			For Extra Material Parts (No Labor), Add	59.94	
	46 82 73 00-0016	EA	8" Polyester Flight Attachment .....76.06		5.03
			For >500 To 1,000, Deduct	-3.55	
			For >1,000, Deduct	-5.44	
			For Extra Material Parts (No Labor), Add	65.99	
	46 82 73 00-0017	LF	NCS 720S Acetal Resin Flight Chain .....36.39		1.67
			For >500 To 1,000, Deduct	-1.78	
			For >1,000, Deduct	-2.72	
			For Extra Material Parts (No Labor), Add	33.03	
	46 82 73 00-0018	EA	6" Or 8" Acetal Resin Flight Attachment .....29.61		5.03
			For >500 To 1,000, Deduct	-1.05	
			For >1,000, Deduct	-1.61	
			For Extra Material Parts (No Labor), Add	19.54	
	46 82 73 00-0019	LF	Remove And Reinstall Flight Chain .....26.64		
46 82 73 00-0020			<b>Chain Tensioner</b> (46 82 73 00-0001)		
	46 82 73 00-0021	EA	Stainless Steel Snap Idler With 316 Stainless Steel Straps; Snap Idle #180SS .....676.42		16.77
			For >25 To 50, Deduct	-47.64	
			For >50, Deduct	-77.40	
			For Extra Material Parts (No Labor), Add	642.86	
	46 82 73 00-0022	EA	Remove And Reinstall Chain Tensioner .....50.33		
46 82 73 00-0023			<b>Torque Limiter</b> (46 82 73 00-0001)		
	46 82 73 00-0024	EA	Torque Limiter; Brunel JSE1-0228 .....7,409.04		16.30
			For >5 To 10, Deduct	-136.46	
			For >10, Deduct	-265.55	
			For Extra Material Parts (No Labor), Add	7,376.45	
	46 82 73 00-0025	EA	Torque Limiter; Brunel JSE1-0230 .....9,001.18		18.25
			For >5 To 10, Deduct	-165.85	
			For >10, Deduct	-322.73	
			For Extra Material Parts (No Labor), Add	8,964.68	
	46 82 73 00-0026	EA	Torque Limiter; Brunel JSE1-0401 .....5,688.11		20.53
			For >5 To 10, Deduct	-188.05	
			For >10, Deduct	-313.98	
			For Extra Material Parts (No Labor), Add	5,647.04	
	46 82 73 00-0027	EA	Torque Limiter; Brunel JSE1-0402 .....6,729.55		24.44
			For >5 To 10, Deduct	-222.47	
			For >10, Deduct	-371.44	
			For Extra Material Parts (No Labor), Add	6,680.65	
	46 82 73 00-0028	EA	Spare Externally Adjustable Safety Elements For All Sizes .....2,029.40		
	46 82 73 00-0029	EA	Remove And Reinstall Torque Limiter .....108.73		
46 82 73 00-0030			<b>Drive Sprockets Rims</b> (46 82 73 00-0001)		
			Note: All sprockets and rims include stainless steel hardware.		
	46 82 73 00-0031	EA	11 Tooth UHMW Drive Sprocket Rims (Split Or Solid) .....241.83		16.30
			For >50 To 100, Deduct	-7.39	
			For >100, Deduct	-12.91	
			For Extra Material Parts (No Labor), Add	209.24	
	46 82 73 00-0032	EA	12 Tooth UHMW Drive Sprocket Rims (Split Or Solid) .....258.22		16.30
			For >50 To 100, Deduct	-7.96	
			For >100, Deduct	-13.92	
			For Extra Material Parts (No Labor), Add	225.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 73 00-0033 EA 13 Tooth UHMW Drive Sprocket Rims (Split Or Solid) .....	267.04	16.30
For >50 To 100, Deduct	-8.28	
For >100, Deduct	-14.47	
For Extra Material Parts (No Labor), Add	234.45	
46 82 73 00-0034 EA Polyurethane Segmental Rim Replacement Plate Sprocket Ring Only .....	546.87	16.30
For >50 To 100, Deduct	-18.15	
For >100, Deduct	-31.73	
For Extra Material Parts (No Labor), Add	514.28	
46 82 73 00-0035 EA UHMW-PE Segmental Rim Replacement Plate Sprocket Ring Only .....	444.77	16.30
For >50 To 100, Deduct	-33.55	
For >100, Deduct	-49.92	
For Extra Material Parts (No Labor), Add	412.18	
46 82 73 00-0036 EA Solid Polyurethane Drive Sprocket With Shear Pin Device .....	2,623.18	16.30
For >50 To 100, Deduct	-210.87	
For >100, Deduct	-313.72	
For Extra Material Parts (No Labor), Add	2,590.59	
46 82 73 00-0037 EA Solid Polyurethane Drive Sprocket With Shear Pin Device And Alarm Device .....	3,080.48	16.30
For >50 To 100, Deduct	-248.10	
For >100, Deduct	-369.10	
For Extra Material Parts (No Labor), Add	3,047.89	
46 82 73 00-0038 EA Cast Nylon NH78, 11 Tooth, Sprocket Segments .....	356.14	16.30
For Extra Material Parts (No Labor), Add	323.55	
46 82 73 00-0039 EA Cast Nylon NH78, 12 Tooth, Sprocket Segments .....	363.76	16.30
For Extra Material Parts (No Labor), Add	331.17	
46 82 73 00-0040 EA Cast Nylon NH78, 10 Tooth Drive Sprocket Assembly (Hub, Sprocket, Shear Pin) .....	1,199.89	16.30
For Extra Material Parts (No Labor), Add	1,167.30	
46 82 73 00-0041 EA Remove And Reinstall Drive Sprocket .....	48.90	
<b>46 82 73 00-0042 Driven Sprockets</b> <small>(46 82 73 00-0001)</small>		
46 82 73 00-0043 EA Cast Iron Driven Sprocket Body For 40 Tooth HB 78 Drive Chain (Cast Iron Driven Sprocket Bodies To Be Primed And Painted. Does Not Include Segmental Rims) .....	1,798.07	24.44
For Extra Material Parts (No Labor), Add	1,749.17	
46 82 73 00-0044 EA Cast Iron Driven Sprocket Body For 43 Tooth HB 78 Drive Chain (Cast Iron Driven Sprocket Bodies To Be Primed And Painted. Does Not Include Segmental Rims) .....	1,886.96	24.44
For Extra Material Parts (No Labor), Add	1,838.06	
46 82 73 00-0045 EA Cast Iron Driven Sprocket Body For 48 Tooth HB 78 Drive Chain (Cast Iron Driven Sprocket Bodies To Be Primed And Painted. Does Not Include Segmental Rims) .....	2,013.98	24.44
For Extra Material Parts (No Labor), Add	1,965.08	
46 82 73 00-0046 EA Split Polyester Driven Sprocket Including Polyester Segmental Teeth .....	3,925.35	16.30
For Extra Material Parts (No Labor), Add	3,892.76	
46 82 73 00-0047 EA Polyurethane Segmental Rims For Use With Driven Sprocket Bodies .....	749.90	16.30
For Extra Material Parts (No Labor), Add	717.31	
46 82 73 00-0048 EA UHMW-PE Segmental Rim For Use With Driven Sprocket Bodies .....	749.90	16.30
For Extra Material Parts (No Labor), Add	717.31	
46 82 73 00-0049 EA UHMW-PE HB 78 40 Tooth Segmental Rim For Use With Driven Sprocket Bodies .....	610.18	16.30
For Extra Material Parts (No Labor), Add	577.59	
46 82 73 00-0050 EA UHMW-PE HB 78 43 Tooth Segmental Rim For Use With Driven Sprocket Bodies .....	704.18	16.30
For Extra Material Parts (No Labor), Add	671.59	
46 82 73 00-0051 EA UHMW-PE HB 78 48 Tooth Segmental Rim For Use With Driven Sprocket Bodies .....	724.49	16.30
For Extra Material Parts (No Labor), Add	691.90	
46 82 73 00-0052 EA Cast Nylon NH78 43 Tooth Sprocket Segmental Rims For Use With Drive Sprocket Bodies .....	1,156.38	16.30
For Extra Material Parts (No Labor), Add	1,123.79	
46 82 73 00-0053 EA Cast Nylon NH78 48 Tooth Sprocket Segmental Rims For Use With Drive Sprocket Bodies .....	1,219.88	16.30
For Extra Material Parts (No Labor), Add	1,187.29	
46 82 73 00-0054 EA Cast Nylon Driven Sprocket, NH78, 40 Tooth, With Keyway .....	1,960.35	16.30
For Extra Material Parts (No Labor), Add	1,927.76	
46 82 73 00-0055 EA Remove And Reinstall Driven Sprocket Segmental Rims .....	48.90	
46 82 73 00-0056 EA Remove And Reinstall Driven Sprocket Body .....	48.90	
46 82 73 00-0057 EA Scrape And Wire Brush Cast Iron Driven Sprocket Body .....	32.59	
46 82 73 00-0058 EA Prime And Paint Existing Sprocket Drive Body .....	22.81	
<b>46 82 73 00-0059 Idler And Head Sprockets - Hubs</b> <small>(46 82 73 00-0001)</small>		
46 82 73 00-0060 EA Cast Iron Split Body Sprocket Hubs With 3/4" Web For NCS 720 Or SAV 715 Segments, Plain Bore (Cast Iron Idler Sprocket Hubs - Primed And Painted) .....	934.20	32.59
For 2 Set Screws Only, Add	29.25	
For Keyway And Set Screws, Add	38.50	
For Extra Material Parts (No Labor), Add	869.01	
46 82 73 00-0061 EA Cast Iron Split Body Sprocket Hubs With Heavy 1" Web For NCS 720 Or SAV 715 Segments, Plain Bore (Cast Iron Idler Sprocket Hubs - Primed And Painted) .....	1,120.23	32.59
For Keyway And Set Screws, Add	38.50	
For Extra Material Parts (No Labor), Add	1,055.04	
46 82 73 00-0062 EA Cast Iron Split Body Sprocket Hubs For NCS 720, With Plain Bore Or Keyway (Cast Iron Idler Sprocket Hubs - Primed And Painted) .....	3,902.42	32.59
For >50 To 100, Deduct	-381.42	
For >100, Deduct	-821.17	
For Extra Material Parts (No Labor), Add	3,837.23	
46 82 73 00-0063 EA Fabricated Steel Split Body Sprocket Hubs For NCS 720, With Plain Bore Or Keyway .....	3,378.48	32.59
For >50 To 100, Deduct	-189.85	
For >100, Deduct	-709.04	
For Extra Material Parts (No Labor), Add	3,313.29	

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 73 00-0064			<b>Idler And Head Sprockets - Segmental Rims</b> (46 82 73 00-0001) Note: UHMW segmental rims for use with split body hubs.		
46 82 73 00-0065	EA		UHMW-PE 23 Tooth Segmental Rim With Chainsaver Flange, 22.21" Pitch (For Use With Split Body Hubs).....	628.23	16.30
			<i>For Extra Material Parts (No Labor), Add</i>	595.64	
46 82 73 00-0066	EA		UHMW-PE 23 Tooth Segmental Rim With Standard Rim, 22.21" Pitch (For Use With Split Body Hubs).....	536.55	16.30
			<i>For Extra Material Parts (No Labor), Add</i>	503.96	
46 82 73 00-0067	EA		UHMW-PE 23 Tooth Segmental Rim With Standard Rim (For Use With Split Body Hubs).....	588.91	16.30
			<i>For &gt;50 To 100, Deduct</i>	-30.00	
			<i>For &gt;100, Deduct</i>	-60.00	
			<i>For Extra Material Parts (No Labor), Add</i>	556.32	
46 82 73 00-0068	EA		Polyurethane 23 Tooth Segmental Rims With Standard Rim (For Use With Split Body Hubs).....	693.72	16.30
			<i>For &gt;50 To 100, Deduct</i>	-30.00	
			<i>For &gt;100, Deduct</i>	-60.00	
			<i>For Extra Material Parts (No Labor), Add</i>	661.13	
46 82 73 00-0069	EA		Cast Nylon 19 Tooth Segmental Rims With Chainsaver Rims (For Use With Split Body Hubs).....	680.61	16.30
			<i>For Extra Material Parts (No Labor), Add</i>	648.02	
46 82 73 00-0070	EA		Cast Nylon 23 Tooth Segmental Rims With Chainsaver Rims (For Use With Split Body Hubs).....	706.82	16.30
			<i>For Extra Material Parts (No Labor), Add</i>	674.23	
46 82 73 00-0071			<b>Idler And Head Sprockets - Split Sprockets</b> (46 82 73 00-0001)		
46 82 73 00-0072	EA		UHM-PE 23 Tooth Split Sprocket With Standard Rim, 21.22" Pitch, Plain Bore.....	628.91	16.30
			<i>For Set Screws Only, Add</i>	11.00	
			<i>For Keyway And Set Screws, Add</i>	25.00	
			<i>For Extra Material Parts (No Labor), Add</i>	596.32	
46 82 73 00-0073	EA		UHM-PE 17 Tooth Split Sprocket With Standard Rim, 21.22" Pitch, Plain Bore.....	620.36	16.30
			<i>For Set Screws Only, Add</i>	11.00	
			<i>For Keyway And Set Screws, Add</i>	25.00	
			<i>For Extra Material Parts (No Labor), Add</i>	587.77	
46 82 73 00-0074	EA		UHM-PE 23 Tooth Split Sprocket For NCS 720.....	1,217.67	16.30
			<i>For Keyway, Add</i>	25.00	
			<i>For &gt;50 To 100, Deduct</i>	-48.00	
			<i>For &gt;100, Deduct</i>	-90.00	
			<i>For Extra Material Parts (No Labor), Add</i>	1,185.08	
46 82 73 00-0075	EA		Polyurethane 23 Tooth Split Sprocket For NCS 720.....	1,754.72	16.30
			<i>For Keyway, Add</i>	25.00	
			<i>For &gt;50 To 100, Deduct</i>	-60.00	
			<i>For &gt;100, Deduct</i>	-120.00	
			<i>For Extra Material Parts (No Labor), Add</i>	1,722.13	
46 82 73 00-0076	EA		Polyurethane 23 Tooth Split Sprocket For HS 720.....	1,584.44	16.30
			<i>For Keyway, Add</i>	25.00	
			<i>For &gt;50 To 100, Deduct</i>	-72.00	
			<i>For &gt;100, Deduct</i>	-132.00	
			<i>For Extra Material Parts (No Labor), Add</i>	1,551.85	
46 82 73 00-0077	EA		Cast Nylon 23 Tooth Split Sprocket With Chainsaver Rim.....	816.85	16.30
			<i>For Set Screws Only, Add</i>	17.00	
			<i>For Keyway And Set Screws, Add</i>	27.00	
			<i>For Extra Material Parts (No Labor), Add</i>	784.26	
46 82 73 00-0078	EA		Cast Nylon 17 Tooth, Solid Sprocket.....	772.31	16.30
			<i>For Extra Material Parts (No Labor), Add</i>	739.72	
46 82 73 00-0079	EA		Remove And Reinstall Idler Or Head Sprocket Segmental Rims.....	65.19	
46 82 73 00-0080	EA		Remove And Reinstall Idler Or Head Sprocket Hubs.....	32.59	
46 82 73 00-0081	EA		Remove And Reinstall Idler Or Head Split Sprocket.....	32.59	
46 82 73 00-0082	EA		Scrape And Wire Brush Idler Or Head Sprocket Hub.....	32.59	
46 82 73 00-0083	EA		Prime And Paint Existing Idler Or Head Sprocket Hub.....	22.81	
46 82 73 00-0084			<b>Sleeve Bearings</b> (46 82 73 00-0001)		
46 82 73 00-0085	EA		UHMW Sleeve Bearing With SS Clamps.....	272.27	8.15
			<i>For &gt;50 To 100, Deduct</i>	-17.74	
			<i>For &gt;100, Deduct</i>	-35.48	
			<i>For Extra Material Parts (No Labor), Add</i>	255.97	
46 82 73 00-0086	EA		UHMW 3 15/16" Sleeve Bearings For Use With Cast Nylon Set Collars.....	341.21	8.15
			<i>For &gt;50 To 100, Deduct</i>	-22.52	
			<i>For &gt;100, Deduct</i>	-45.03	
			<i>For Extra Material Parts (No Labor), Add</i>	324.91	
46 82 73 00-0087	EA		UHMW 4 7/16" Sleeve Bearings For Use With Cast Nylon Set Collars.....	373.53	8.15
			<i>For &gt;50 To 100, Deduct</i>	-24.76	
			<i>For &gt;100, Deduct</i>	-49.51	
			<i>For Extra Material Parts (No Labor), Add</i>	357.23	
46 82 73 00-0088	EA		UHMW Sleeve Bearing Assembly, 3 15/16" Shaft, Includes 2 Set Collars And Sleeve Bearing.....	560.11	24.44
			<i>For &gt;50 To 100, Deduct</i>	-35.43	
			<i>For &gt;100, Deduct</i>	-70.85	
			<i>For Extra Material Parts (No Labor), Add</i>	511.21	
46 82 73 00-0089	EA		UHMW Sleeve Bearing Assembly, 4 7/16" Shaft, Includes 2 Set Collars And Sleeve Bearing.....	572.54	24.44
			<i>For &gt;50 To 100, Deduct</i>	-36.29	
			<i>For &gt;100, Deduct</i>	-72.58	
			<i>For Extra Material Parts (No Labor), Add</i>	523.64	
46 82 73 00-0090	EA		UHMW PE Static Shaft Only Sleeve Bearing For 7" LTB Sprockets (All Bores).....	237.72	8.15
			<i>For &gt;50 To 100, Deduct</i>	-15.34	
			<i>For &gt;100, Deduct</i>	-30.69	
			<i>For Extra Material Parts (No Labor), Add</i>	221.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 73 00-0091 EA UHMW PE Static Shaft Only Sleeve Bearing For 3" LTB Sprockets (All Bores).....	168.66	8.15
<i>For &gt;50 To 100, Deduct</i>	-10.56	
<i>For &gt;100, Deduct</i>	-21.12	
<i>For Extra Material Parts (No Labor), Add</i>	152.36	
46 82 73 00-0092 EA Cast Iron Static Shaft Support Bracket.....	456.43	8.15
<i>For &gt;50 To 100, Deduct</i>	-30.50	
<i>For &gt;100, Deduct</i>	-61.00	
<i>For Extra Material Parts (No Labor), Add</i>	440.13	
46 82 73 00-0093 EA Polyurethane Static Shaft Only Sleeve Bearing For 7" LTB Sprockets (All Bores).....	629.09	8.15
<i>For &gt;50 To 100, Deduct</i>	-66.30	
<i>For &gt;100, Deduct</i>	-132.61	
<i>For Extra Material Parts (No Labor), Add</i>	612.79	
46 82 73 00-0094 EA Remove And Reinstall Sleeve Bearing.....	26.08	
<b>46 82 73 00-0095 Collector Flights</b> <small>(46 82 73 00-0001)</small>		
Note: Includes 316 stainless steel hardware.		
46 82 73 00-0096 LF 6" Nominal C Channel Fiberglass Flights.....	20.02	0.85
<i>For &gt;1,000 To 10,000, Deduct</i>	-1.02	
<i>For &gt;10,000, Deduct</i>	-2.04	
<i>For Extra Material Parts (No Labor), Add</i>	18.39	
46 82 73 00-0097 LF 8" Nominal C Channel Fiberglass Flights.....	22.81	0.85
<i>For &gt;1,000 To 10,000, Deduct</i>	-1.17	
<i>For &gt;10,000, Deduct</i>	-2.35	
<i>For Extra Material Parts (No Labor), Add</i>	21.18	
46 82 73 00-0098 LF 6" Actual C Channel Fiberglass Flights.....	24.19	0.85
<i>For &gt;1,000 To 10,000, Deduct</i>	-1.25	
<i>For &gt;10,000, Deduct</i>	-2.51	
<i>For Extra Material Parts (No Labor), Add</i>	22.56	
46 82 73 00-0099 LF 8" Actual C Channel Fiberglass Flights.....	26.97	0.85
<i>For &gt;1,000 To 10,000, Deduct</i>	-1.40	
<i>For &gt;10,000, Deduct</i>	-2.82	
<i>For Extra Material Parts (No Labor), Add</i>	25.34	
46 82 73 00-0100 LF 6" Nominal Sigma Fiberglass Flights.....	27.66	0.85
<i>For &gt;1,000 To 10,000, Deduct</i>	-1.44	
<i>For &gt;10,000, Deduct</i>	-2.89	
<i>For Extra Material Parts (No Labor), Add</i>	26.03	
46 82 73 00-0101 LF 8" Nominal Sigma Fiberglass Flights.....	28.37	0.85
<i>For &gt;1,000 To 10,000, Deduct</i>	-1.48	
<i>For &gt;10,000, Deduct</i>	-2.97	
<i>For Extra Material Parts (No Labor), Add</i>	26.74	
46 82 73 00-0102 LF 8" Nominal Sigma Plus Fiberglass Flights.....	26.97	0.85
<i>For &gt;1,000 To 10,000, Deduct</i>	-1.40	
<i>For &gt;10,000, Deduct</i>	-2.82	
<i>For Extra Material Parts (No Labor), Add</i>	25.34	
46 82 73 00-0103 LF 8" Nominal High Strength Diamond Fiberglass Flights.....	31.14	0.85
<i>For &gt;1,000 To 10,000, Deduct</i>	-1.63	
<i>For &gt;10,000, Deduct</i>	-3.28	
<i>For Extra Material Parts (No Labor), Add</i>	29.51	
46 82 73 00-0104 LF 6" Nominal Laminated Douglas Fir Flights.....	35.98	1.24
<i>For &gt;1,000 To 10,000, Deduct</i>	-4.44	
<i>For &gt;10,000, Deduct</i>	-6.47	
<i>For Extra Material Parts (No Labor), Add</i>	33.53	
46 82 73 00-0105 LF 7-1/2" Nominal Laminated Douglas Fir Flights.....	45.81	1.24
<i>For &gt;1,000 To 10,000, Deduct</i>	-5.75	
<i>For &gt;10,000, Deduct</i>	-8.37	
<i>For Extra Material Parts (No Labor), Add</i>	43.36	
46 82 73 00-0106 LF 3" x 6" Actual Laminated Douglas Fir Flights.....	49.62	1.24
<i>For &gt;1,000 To 10,000, Deduct</i>	-6.25	
<i>For &gt;10,000, Deduct</i>	-9.10	
<i>For Extra Material Parts (No Labor), Add</i>	47.17	
46 82 73 00-0107 LF 3" x 8" Actual Laminated Douglas Fir Flights.....	58.16	1.24
<i>For &gt;1,000 To 10,000, Deduct</i>	-7.38	
<i>For &gt;10,000, Deduct</i>	-10.75	
<i>For Extra Material Parts (No Labor), Add</i>	55.71	
46 82 73 00-0108 EA Remove And Reinstall Fiberglass Or Wood Flights, Including Filler Blocks (Remove And Store), Per Flight.....	32.65	
46 82 73 00-0109 EA New 316 Stainless Steel Hardware Set For Reinstallation Of One Existing Flight.....	16.29	
46 82 73 00-0110 LF Scrape And Wire Brush Existing Flights.....	2.61	
<b>46 82 73 00-0111 Squeegee</b> <small>(46 82 73 00-0001)</small>		
46 82 73 00-0112 LF 1/2" x 4" UHMW Flight Squeegee.....	16.55	0.85
<i>For Extra Material Parts (No Labor), Add</i>	14.92	
46 82 73 00-0113 LF Buna N Squeegee.....	15.90	0.85
<i>For Extra Material Parts (No Labor), Add</i>	14.27	
46 82 73 00-0114 EA Remove And Reinstall Squeegee, Per Flight (Remove And Store).....	32.65	
46 82 73 00-0115 EA New 316 Stainless Steel Hardware Set For Reinstallation Of One Existing Squeegee.....	14.66	
46 82 73 00-0116 LF Scrape And Wire Brush Existing Squeegee.....	2.61	
<b>46 82 73 00-0117 Filler Blocks</b> <small>(46 82 73 00-0001)</small>		
46 82 73 00-0118 EA 6" Polyurethane Filler Block.....	12.09	0.85
<i>For Extra Material Parts (No Labor), Add</i>	10.46	
46 82 73 00-0119 EA 8" Polyurethane Filler Block.....	12.09	0.85
<i>For Extra Material Parts (No Labor), Add</i>	10.46	

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 73 00-0120	EA		6" Polypropylene Filler Block .....	16.66	0.85
			<i>For Extra Material Parts (No Labor), Add</i>	15.03	
46 82 73 00-0121	EA		8" Polypropylene Filler Block .....	16.66	0.85
			<i>For Extra Material Parts (No Labor), Add</i>	15.03	
<b>46 82 73 00-0122</b>			<b>Return Rails</b> <small>(46 82 73 00-0001)</small>		
46 82 73 00-0123	LF		3" x 3" x 3/8" Fiberglass Reinforced Polyester (FRP) Return Rail .....	37.22	1.63
			<i>For Extra Material Parts (No Labor), Add</i>	33.96	
46 82 73 00-0124	LF		3" x 3" x 3/8" Steel Return Rail .....	38.05	1.63
			<i>For Extra Material Parts (No Labor), Add</i>	34.79	
46 82 73 00-0125	LF		3" x 3" x 3/8" Stainless Steel Return Rail .....	69.06	1.63
			<i>For &gt;1,000 To 10,000, Deduct</i>	-3.19	
			<i>For &gt;10,000, Deduct</i>	-6.41	
			<i>For Extra Material Parts (No Labor), Add</i>	65.80	
46 82 73 00-0126	LF		Non-Metallic "J" Track .....	42.04	0.85
			<i>For &gt;1,000 To 10,000, Deduct</i>	-1.96	
			<i>For &gt;10,000, Deduct</i>	-3.94	
			<i>For Extra Material Parts (No Labor), Add</i>	40.41	
46 82 73 00-0127	LF		Scrape And Wire Brush Existing Return Rails .....	2.61	
<b>46 82 73 00-0128</b>			<b>Return Rails Brackets</b> <small>(46 82 73 00-0001)</small>		
46 82 73 00-0129	EA		Cast Nylon Wall Mounted Bracket For Return Rails .....	216.78	8.15
			<i>For Extra Material Parts (No Labor), Add</i>	200.48	
46 82 73 00-0130	EA		Cast Nylon Intermediate Bracket For Return Rails (T-Up) .....	299.47	8.15
			<i>For Extra Material Parts (No Labor), Add</i>	283.17	
46 82 73 00-0131	EA		Non-Metallic Wall Mounted Bracket For Return Rails .....	101.09	8.15
			<i>For Extra Material Parts (No Labor), Add</i>	84.76	
46 82 73 00-0132	EA		Scrape And Wire Brush Existing Return Rail Bracket .....	32.65	
46 82 73 00-0133	EA		Prime And Paint Existing Return Rail Bracket .....	22.82	
<b>46 82 73 00-0134</b>			<b>Wear Shoes</b> <small>(46 82 73 00-0001)</small>		
			Note: Floor and return. With or without lugs. Includes stainless steel hardware.		
46 82 73 00-0135	EA		3" x 3" x 4" x 1/2" Polyurethane Wear Shoes .....	50.32	4.89
			<i>For Extra Material Parts (No Labor), Add</i>	40.54	
46 82 73 00-0136	EA		3" x 3" x 5-1/2" x 1/2" Polyurethane Wear Shoes .....	50.32	4.89
			<i>For Extra Material Parts (No Labor), Add</i>	40.54	
46 82 73 00-0137	EA		3" x 3" x 4" x 1/2" Nylon Wear Shoes .....	46.50	4.89
			<i>For Extra Material Parts (No Labor), Add</i>	36.72	
46 82 73 00-0138	EA		3" x 3" x 5-1/2" x 1/2" Nylon Wear Shoes .....	47.03	4.89
			<i>For Extra Material Parts (No Labor), Add</i>	37.25	
46 82 73 00-0139	EA		3" x 3" x 7" x 1/2" Nylon Wear Shoes .....	49.04	4.89
			<i>For Extra Material Parts (No Labor), Add</i>	39.26	
46 82 73 00-0140	EA		3" x 3" x 4" x 1/2" UHMW Wear Shoes .....	49.93	4.89
			<i>For Extra Material Parts (No Labor), Add</i>	40.15	
46 82 73 00-0141	EA		3" x 3" x 5-1/2" x 1/2" UHMW Wear Shoes .....	50.57	4.89
			<i>For Extra Material Parts (No Labor), Add</i>	40.79	
46 82 73 00-0142	EA		3" x 3" x 4" x 1/2" Steel Wear Shoes .....	54.77	4.89
			<i>For Extra Material Parts (No Labor), Add</i>	44.99	
46 82 73 00-0143	EA		3" x 3" x 5-1/2" x 1/2" Steel Wear Shoes .....	57.31	4.89
			<i>For Extra Material Parts (No Labor), Add</i>	47.53	
46 82 73 00-0144	EA		3" x 3" x 6" x 1/2" Steel Wear Shoes .....	58.59	4.89
			<i>For Extra Material Parts (No Labor), Add</i>	48.81	
46 82 73 00-0145	EA		3" x 3" x 7" x 1/2" Steel Wear Shoes .....	59.20	4.89
			<i>For Extra Material Parts (No Labor), Add</i>	49.42	
46 82 73 00-0146	EA		Remove And Reinstall Wear Shoe .....	14.99	
<b>46 82 73 00-0147</b>			<b>Wear Strips</b> <small>(46 82 73 00-0001)</small>		
			Note: Add 1/4" stainless steel 316 self tapping screws and washers @ 2.5' on-center		
46 82 73 00-0148	LF		2-5/8" x 3/8" UHMW Wear Strip .....	25.23	1.63
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.95	
			<i>For &gt;5,000 LF, Deduct</i>	-1.86	
			<i>For Extra Material Parts (No Labor), Add</i>	21.97	
46 82 73 00-0149	LF		3" x 3/8" UHMW Wear Strip .....	30.73	1.63
			<i>For &gt;1,000 To 5,000, Deduct</i>	-1.19	
			<i>For &gt;5,000 LF, Deduct</i>	-2.33	
			<i>For Extra Material Parts (No Labor), Add</i>	27.47	
46 82 73 00-0150	LF		4-1/4" x 3/8" C-Shape UHMW Wear Strip For Floor Or Return Track .....	43.43	0.98
			<i>For &gt;1,000 To 5,000, Deduct</i>	-1.80	
			<i>For &gt;5,000 LF, Deduct</i>	-3.51	
			<i>For Extra Material Parts (No Labor), Add</i>	41.47	
46 82 73 00-0151	LF		3" x 1/2" Steel Wear Strip .....	47.38	1.63
			<i>For &gt;1,000 To 5,000, Deduct</i>	-1.91	
			<i>For &gt;5,000 LF, Deduct</i>	-3.74	
			<i>For Extra Material Parts (No Labor), Add</i>	44.12	
46 82 73 00-0152	LF		4" x 1/2" Steel Wear Strip .....	50.72	1.63
			<i>For &gt;1,000 To 5,000, Deduct</i>	-2.06	
			<i>For &gt;5,000 LF, Deduct</i>	-4.02	
			<i>For Extra Material Parts (No Labor), Add</i>	47.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 73 00-0153 LF 5" x 1/2" Steel Wear Strip ..... <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000 LF, Deduct</i> <i>For Extra Material Parts (No Labor), Add</i>	54.05 -2.20 -4.30 50.79	1.63
46 82 73 00-0154 LF 6" x 1/2" Steel Wear Strip ..... <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000 LF, Deduct</i> <i>For Extra Material Parts (No Labor), Add</i>	64.05 -2.64 -5.15 60.79	1.63
46 82 73 00-0155 LF 3" x 5/8" Steel Wear Strip ..... <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000 LF, Deduct</i> <i>For Extra Material Parts (No Labor), Add</i>	48.22 -1.95 -3.81 44.96	1.63
46 82 73 00-0156 LF 4" x 5/8" Steel Wear Strip ..... <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000 LF, Deduct</i> <i>For Extra Material Parts (No Labor), Add</i>	51.56 -2.10 -4.09 48.30	1.63
46 82 73 00-0157 LF 5" x 5/8" Steel Wear Strip ..... <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000 LF, Deduct</i> <i>For Extra Material Parts (No Labor), Add</i>	54.90 -2.24 -4.37 51.64	1.63
46 82 73 00-0158 LF 6" x 5/8" Steel Wear Strip ..... <i>For &gt;1,000 To 5,000, Deduct</i> <i>For &gt;5,000 LF, Deduct</i> <i>For Extra Material Parts (No Labor), Add</i>	60.73 -2.49 -4.87 57.47	1.63
46 82 73 00-0159 LF Scrape And Brush Existing Wear Strips .....	2.61	1.30
<b>46 82 73 00-0160 Set Collars</b> <small>(46 82 73 00-0001)</small>		
46 82 73 00-0161 EA 3-15/16" Split Cast Iron Set Collar, Stainless Steel Hardware, 2 Cone Point Set Screws ..... <i>For Extra Material Parts (No Labor), Add</i>	205.25 188.95	8.15
46 82 73 00-0162 EA 4-7/16" Split Cast Iron Set Collar, Stainless Steel Hardware, 2 Cone Point Set Screws ..... <i>For Extra Material Parts (No Labor), Add</i>	222.44 206.14	8.15
46 82 73 00-0163 EA Cast Nylon Set Collar With Hardware, All Bore Sizes..... <i>For Extra Material Parts (No Labor), Add</i>	124.05 107.75	8.15
46 82 73 00-0164 EA Remove And Reinstall Set Collar.....	22.82	
46 82 73 00-0165 EA Scrape And Wire Brush Existing Set Collar .....	32.59	
46 82 73 00-0166 EA Prime And Paint Existing Set Collar.....	22.81	
<b>46 82 73 00-0167 Idler Stub Shafts</b> <small>(46 82 73 00-0001)</small>		
46 82 73 00-0168 EA Cast Nylon Idler Stub Shaft Assembly, Mounts To Wall With 3 Or 4 Stainless Steel Anchors ..... <i>Note: Excludes sprocket.</i> <i>For Extra Material Parts (No Labor), Add</i>	1,458.07 1,392.88	32.59
46 82 73 00-0169 EA Cast Nylon Idler Stub Shaft Assembly ..... <i>Note: Excludes sprocket.</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Extra Material Parts (No Labor), Add</i>	1,020.70 -51.02 -102.05 955.51	32.59
46 82 73 00-0170 EA Fabricated Steel Stub Shaft Assembly ..... <i>Note: Excludes sprocket.</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Extra Material Parts (No Labor), Add</i>	1,492.25 -76.21 -152.41 1,427.06	32.59
46 82 73 00-0171 EA Non-Metallic Stub Shaft Assembly..... <i>Note: Excludes sprocket.</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Extra Material Parts (No Labor), Add</i>	1,492.25 -76.21 -152.41 1,427.06	32.59
46 82 73 00-0172 EA Scrape And Wire Brush Stub Shaft Assembly .....	65.19	
<b>46 82 73 00-0173 Shafts</b> <small>(46 82 73 00-0001)</small>		
46 82 73 00-0174 LF 4-7/16" Steel Shafts, Plain ..... <i>For Extra Material Parts (No Labor), Add</i>	130.88 124.37	3.26
46 82 73 00-0175 LF 4-7/16" Steel Shafts, Keyway, Set Screws ..... <i>For Extra Material Parts (No Labor), Add</i>	106.15 99.64	3.26
46 82 73 00-0176 EA Remove And Reinstall Static Shaft.....	65.19	
46 82 73 00-0177 EA Remove And Reinstall Dynamic Shaft.....	65.19	
46 82 73 00-0178 LF Scrape And Wire Brush Existing Shaft .....	9.78	
46 82 73 00-0179 LF Prime And Paint existing Shaft .....	5.00	
<b>46 82 73 00-0180 Wall Bearings</b> <small>(46 82 73 00-0001)</small>		
46 82 73 00-0181 EA 3 7/16" Cast Iron Wall Bearings With Solid Bearing Insert, Babbitted Liner And SS Hardware ..... <i>For &gt;100, Deduct</i> <i>For Polyurethane Liner, Add</i> <i>For Polyurethane Liner, Quantities &gt;100, Add</i> <i>For Extra Material Parts (No Labor), Add</i>	1,575.29 -64.01 459.48 328.72 1,444.91	65.19
46 82 73 00-0182 EA 4 15/16" Cast Iron Wall Bearings With Solid Bearing Insert, Babbitted Liner And SS Hardware ..... <i>For &gt;100, Deduct</i> <i>For Polyurethane Liner, Add</i> <i>For Polyurethane Liner, Quantities &gt;100, Add</i> <i>For Extra Material Parts (No Labor), Add</i>	2,111.15 -87.75 932.94 582.35 1,980.77	65.19



**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 73 00-0183 EA 3 7/16" Cast Iron Wall Bearings With Split Bearing Insert, Babbitted Liner And SS Hardware .....	2,439.87	32.59
For >100, Deduct	-105.20	
For Polyurethane Liner, Add	396.57	
For Polyurethane Liner, Quantities >100, Add	197.10	
For Extra Material Parts (No Labor), Add	2,374.68	
46 82 73 00-0184 EA 4 15/16" Cast Iron Wall Bearings With Split Bearing Insert, Babbitted Liner And SS Hardware .....	4,404.69	32.59
For >100, Deduct	-192.24	
For Polyurethane Liner, Add	755.07	
For Polyurethane Liner, Quantities >100, Add	377.54	
For Extra Material Parts (No Labor), Add	4,339.50	
46 82 73 00-0185 EA 3 7/16" Cast Iron Wall Bearings With Two-piece Bearing Insert, Babbitted Liner And SS Hardware .....	2,230.85	48.90
For >100, Deduct	-94.50	
For Polyurethane Liner, Add	639.92	
For Polyurethane Liner, Quantities >100, Add	319.96	
For Extra Material Parts (No Labor), Add	2,133.07	
46 82 73 00-0186 EA 4 15/16" Cast Iron Wall Bearings With Two-piece Bearing Insert, Babbitted Liner And SS Hardware .....	2,320.17	48.90
For >100, Deduct	-98.45	
For Polyurethane Liner, Add	528.93	
For Polyurethane Liner, Quantities >100, Add	211.13	
For Extra Material Parts (No Labor), Add	2,222.39	
46 82 73 00-0187 EA 3 15/16" Cast Iron Wall Bearings With Split Bearing Insert, Babbitted Liner And SS Hardware .....	949.20	32.59
For UHMW-PE Liners, Add	287.30	
For Extra Material Parts (No Labor), Add	884.01	
46 82 73 00-0188 EA 4 7/16" Cast Iron Wall Bearings With Split Bearing Insert, Babbitted Liner And SS Hardware .....	970.05	32.59
For UHMW-PE Liners, Add	294.08	
For Extra Material Parts (No Labor), Add	904.86	
46 82 73 00-0189 EA Remove And Reinstall Wall Bearing Or Bracket .....	130.36	
46 82 73 00-0190 EA Scrape And Wire Brush Existing Wall Bearing Or Bracket .....	65.18	
46 82 73 00-0191 EA Prime And Paint Wall Bearing Or Bracket .....	22.81	
<b>46 82 76 Water Treatment Flame Arrestors (46 82)</b>		
46 82 76 00-0001 Flame Arrestors And Traps (46 82 76)		
46 82 76 00-0002 Shand And Jurs Wastewater Equipment (46 82 76 00-0001)		
46 82 76 00-0003 Flanged Vertical Flame Arrestors (46 82 76 00-0002)		
Note: Shand And Jurs 94309.		
46 82 76 00-0004 EA 2" Vertical Flame Arrestor, Flanged, 316 Stainless Steel Body And Tube Bank .....	8,880.08	96.92
46 82 76 00-0005 EA 4" Vertical Flame Arrestor, Flanged, 316 Stainless Steel Body And Tube Bank .....	11,382.08	207.23
46 82 76 00-0006 EA 6" Vertical Flame Arrestor, Flanged, 316 Stainless Steel Body And Tube Bank .....	13,119.13	261.76
46 82 76 00-0007 EA 8" Vertical Flame Arrestor, Flanged, 316 Stainless Steel Body And Tube Bank .....	15,708.79	334.47
46 82 76 00-0008 EA 12" Vertical Flame Arrestor, Flanged, 316 Stainless Steel Body And Tube Bank .....	16,575.05	470.12
46 82 76 00-0009 Flanged Combination Conservation Valve And Flame Arrestors (46 82 76 00-0002)		
Note: Shand And Jurs 97570.		
46 82 76 00-0010 EA 2" 316 Stainless Steel Combination Conservation Valve And Flame Arrestor, Flanged .....	2,345.67	96.92
46 82 76 00-0011 EA 3" 316 Stainless Steel Combination Conservation Valve And Flame Arrestor, Flanged .....	3,213.37	123.61
46 82 76 00-0012 EA 4" 316 Stainless Steel Combination Conservation Valve And Flame Arrestor, Flanged .....	3,735.43	207.23
46 82 76 00-0013 EA 6" 316 Stainless Steel Combination Conservation Valve And Flame Arrestor, Flanged .....	5,750.54	261.76
46 82 76 00-0014 EA 8" 316 Stainless Steel Combination Conservation Valve And Flame Arrestor, Flanged .....	7,784.08	334.47
46 82 76 00-0015 EA 10" 316 Stainless Steel Combination Conservation Valve And Flame Arrestor, Flanged .....	9,963.01	407.17
46 82 76 00-0016 EA 12" 316 Stainless Steel Combination Conservation Valve And Flame Arrestor, Flanged .....	14,489.60	470.12
46 82 76 00-0017 Drip Traps (46 82 76 00-0002)		
Note: Shand And Jurs 97100.		
46 82 76 00-0018 EA 6 Quart Drip Trap Without Actuator .....	1,887.44	436.26
46 82 76 00-0019 EA 6 Quart Drip Trap With Actuator .....	6,433.72	436.26
46 82 76 00-0020 Sediment Traps (46 82 76 00-0002)		
Note: Shand And Jurs 97120.		
46 82 76 00-0021 EA 2" Sediment Trap, Hot Dipped Galvanized .....	3,772.98	218.13
46 82 76 00-0022 EA 3" Sediment Trap, Hot Dipped Galvanized .....	4,262.78	254.48
46 82 76 00-0023 EA 4" Sediment Trap, Hot Dipped Galvanized .....	4,613.56	290.84
46 82 76 00-0024 EA 6" Sediment Trap, Hot Dipped Galvanized .....	5,037.03	363.55
46 82 76 00-0025 EA 8" Sediment Trap, Hot Dipped Galvanized .....	8,102.08	436.26
46 82 76 00-0026 EA 10" Sediment Trap, Hot Dipped Galvanized .....	11,028.10	508.97
46 82 76 00-0027 EA 12" Sediment Trap, Hot Dipped Galvanized .....	13,201.77	553.08
46 82 76 00-0028 Flame Trap Assembly With Mounting Hardware (46 82 76 00-0002)		
Note: Shand And Jurs 97140.		
46 82 76 00-0029 EA 2" Stainless Steel Flame Trap Assembly With Mounting Hardware .....	3,772.98	218.13
46 82 76 00-0030 EA 3" Stainless Steel Flame Trap Assembly With Mounting Hardware .....	4,679.87	254.48
46 82 76 00-0031 EA 4" Stainless Steel Flame Trap Assembly With Mounting Hardware .....	5,725.80	290.84
46 82 76 00-0032 EA 6" Stainless Steel Flame Trap Assembly With Mounting Hardware .....	7,261.51	363.55
46 82 76 00-0033 EA 8" Stainless Steel Flame Trap Assembly With Mounting Hardware .....	11,716.86	436.26
46 82 76 00-0034 EA 10" Stainless Steel Flame Trap Assembly With Mounting Hardware .....	17,006.39	508.97
46 82 76 00-0035 EA 12" Stainless Steel Flame Trap Assembly With Mounting Hardware .....	20,987.45	553.08



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>46 82 76 00-0036</b> <b>Pressure Relief/Flame Trap Assembly</b> <small>(46 82 76 00-0002)</small> Note: Shand And Jurs 97160.		
46 82 76 00-0037 EA 2" Stainless Steel Pressure Relief/Flame Trap Assembly.....	6,553.58	218.13
46 82 76 00-0038 EA 3" Stainless Steel Pressure Relief/Flame Trap Assembly.....	7,321.44	254.48
46 82 76 00-0039 EA 4" Stainless Steel Pressure Relief/Flame Trap Assembly.....	8,228.34	290.84
46 82 76 00-0040 EA 6" Stainless Steel Pressure Relief/Flame Trap Assembly.....	11,015.32	363.55
46 82 76 00-0041 EA 8" Stainless Steel Pressure Relief/Flame Trap Assembly.....	15,192.61	436.26
46 82 76 00-0042 EA 10" Stainless Steel Pressure Relief/Flame Trap Assembly.....	28,962.97	508.97
46 82 76 00-0043 EA 12" Stainless Steel Pressure Relief/Flame Trap Assembly.....	40,173.59	553.08
<b>46 82 76 00-0044</b> <b>Flame Check</b> <small>(46 82 76 00-0002)</small> Note: Shand And Jurs 97200.		
46 82 76 00-0045 EA 1/4" Flame Check, Aluminum.....	489.80	36.35
46 82 76 00-0046 EA 1/2" Flame Check, Aluminum.....	614.93	36.35
46 82 76 00-0047 EA 3/4" Flame Check, Aluminum.....	628.83	36.35
46 82 76 00-0048 EA 1" Flame Check, Aluminum.....	670.54	36.35
46 82 76 00-0049 EA 1-1/2" Flame Check, Aluminum.....	720.79	54.54
46 82 76 00-0050 EA 2" Flame Check, Aluminum.....	762.50	54.54
46 82 76 00-0051 EA 1/4" Flame Check, Stainless Steel.....	594.07	36.35
46 82 76 00-0052 EA 1/2" Flame Check, Stainless Steel.....	740.05	36.35
46 82 76 00-0053 EA 3/4" Flame Check, Stainless Steel.....	767.86	36.35
46 82 76 00-0054 EA 1" Flame Check, Stainless Steel.....	809.57	36.35
46 82 76 00-0055 EA 1-1/2" Flame Check, Stainless Steel.....	873.72	54.54
46 82 76 00-0056 EA 2" Flame Check, Stainless Steel.....	929.34	54.54
<b>46 82 76 00-0057</b> <b>Varec Wastewater Equipment</b> <small>(46 82 76 00-0001)</small>		
<b>46 82 76 00-0058</b> <b>Pressure And Vacuum Relief Valves With Flame Arrester</b> <small>(46 82 76 00-0057)</small>		
<b>46 82 76 00-0059</b> <b>Pressure And Vacuum Relief Valves With Flame Arrester</b> <small>(46 82 76 00-0058)</small> Note: Aluminum housings and bank assembly frame, stainless steel internals and bank assembly sheets. Please provide pressure and vacuum settings at time of order, not to exceed 27.70" wc.		
46 82 76 00-0060 EA 2" Relief Valve With Flame Arrester (Varec 5811B-X-2-S).....	5,946.07	96.94
46 82 76 00-0061 EA 3" Relief Valve With Flame Arrester (Varec 5811B-X-3-S).....	6,485.02	123.76
46 82 76 00-0062 EA 4" Relief Valve With Flame Arrester (Varec 5811B-X-4-S).....	8,557.52	207.74
46 82 76 00-0063 EA 6" Relief Valve With Flame Arrester (Varec 5811B-X-6-S).....	10,537.61	248.89
46 82 76 00-0064 EA 8" Relief Valve With Flame Arrester (Varec 5811B-X-8-S).....	21,659.99	332.38
46 82 76 00-0065 EA 10" Relief Valve With Flame Arrester (Varec 5811B-X-0-S).....	28,051.84	407.17
46 82 76 00-0066 EA 12" Relief Valve With Flame Arrester (Varec 5811B-X-1-S).....	42,260.33	493.55
<b>46 82 76 00-0067</b> <b>Insulating Jackets For 5811B Relief Valve With Flame Arrester</b> <small>(46 82 76 00-0058)</small> Note: Provides additional cold weather protection. Constructed of silicone impregnated woven glass cloth lining with a 1" thick, 6 LB density fiberglass insulating material.		
46 82 76 00-0068 EA 2" Insulating Jackets For 5811B Relief Valve With Flame Arrester (Varec VB05.1185.141).....	3,083.78	49.87
46 82 76 00-0069 EA 3" Insulating Jackets For 5811B Relief Valve With Flame Arrester (Varec VB05.1185.142).....	3,531.39	52.50
46 82 76 00-0070 EA 4" Insulating Jackets For 5811B Relief Valve With Flame Arrester (Varec VB05.1185.143).....	4,005.55	55.26
46 82 76 00-0071 EA 6" Insulating Jackets For 5811B Relief Valve With Flame Arrester (Varec VB05.1185.144).....	4,804.81	58.16
46 82 76 00-0072 EA 8" Insulating Jackets For 5811B Relief Valve With Flame Arrester (Varec VB05.1185.145).....	6,016.48	61.08
46 82 76 00-0073 EA 10" Insulating Jackets For 5811B Relief Valve With Flame Arrester (Varec VB05.1185.146).....	6,867.29	64.13
46 82 76 00-0074 EA 12" Insulating Jackets For 5811B Relief Valve With Flame Arrester (Varec VB05.1185.147).....	8,709.72	67.34
<b>46 82 76 00-0075</b> <b>Pressure And Vacuum Relief Valves</b> <small>(46 82 76 00-0057)</small>		
<b>46 82 76 00-0076</b> <b>Pressure And Vacuum Relief Valves</b> <small>(46 82 76 00-0075)</small> Note: Vent-to-atmosphere, all-weather type, aluminum boyd and trip, teflon valve seat insert, flat faced flange with 125 LB ASA drilling. Standard service. Please provide pressure and vacuum setting at time of order. Not to exceed 27.70" wc.		
46 82 76 00-0077 EA 2" Pressure And Vacuum Relief Valve (Varec 2011B-X-2-T-FF-OP-02-02).....	2,347.00	96.94
46 82 76 00-0078 EA 3" Pressure And Vacuum Relief Valve (Varec 2011B-X-3-T-FF-OP-02-02).....	2,652.67	123.76
46 82 76 00-0079 EA 4" Pressure And Vacuum Relief Valve (Varec 2011B-X-4-T-FF-OP-02-02).....	3,319.99	207.74
46 82 76 00-0080 EA 6" Pressure And Vacuum Relief Valve (Varec 2011B-X-6-T-FF-OP-02-02).....	4,893.84	262.70
46 82 76 00-0081 EA 8" Pressure And Vacuum Relief Valve (Varec 2011B-X-8-T-FF-OP-02-02).....	6,141.78	332.38
46 82 76 00-0082 EA 10" Pressure And Vacuum Relief Valve (Varec 2011B-X-0-T-FF-OP-02-02).....	8,674.91	407.17
46 82 76 00-0083 EA 12" Pressure And Vacuum Relief Valve (Varec 2011B-X-1-T-FF-OP-02-02).....	13,674.67	493.55
<b>46 82 76 00-0084</b> <b>Insulating Jackets For 2011B Relief Valve With Flame Arrester</b> <small>(46 82 76 00-0075)</small> Note: Provides additional cold weather protection. Constructed of silicone impregnated woven glass cloth lining with a 1" thick, 6 LB density fiberglass insulating material.		
46 82 76 00-0085 EA 2" Insulating Jackets For 2011B Relief Valve With Flame Arrester (Varec VB05.1185.148).....	1,875.76	49.87
46 82 76 00-0086 EA 3" Insulating Jackets For 2011B Relief Valve With Flame Arrester (Varec VB05.1185.149).....	2,145.64	52.50
46 82 76 00-0087 EA 4" Insulating Jackets For 2011B Relief Valve With Flame Arrester (Varec VB05.1185.150).....	2,430.96	55.26
46 82 76 00-0088 EA 6" Insulating Jackets For 2011B Relief Valve With Flame Arrester (Varec VB05.1185.151).....	2,910.86	58.16
46 82 76 00-0089 EA 8" Insulating Jackets For 2011B Relief Valve With Flame Arrester (Varec VB05.1185.152).....	3,642.09	61.08
46 82 76 00-0090 EA 10" Insulating Jackets For 2011B Relief Valve With Flame Arrester (Varec VB05.1185.153).....	4,152.72	64.13
46 82 76 00-0091 EA 12" Insulating Jackets For 2011B Relief Valve With Flame Arrester (Varec VB05.1185.154).....	5,259.22	67.34

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

46 82 76 00-0092	Flame Arresters (46 82 76 00-0057)		
46 82 76 00-0093	Flame Arresters (46 82 76 00-0092)		
	Note: Vertical installation, Aluminum housing, Aluminum extensible bank assembly frame and stainless steel sheets, stainless steel hardware. ANSI class 125 LB flat face flanged ends.		
46 82 76 00-0094	EA 2" Flame Arrester (Varec 5000-X-2-S).....	3,364.80	96.94
46 82 76 00-0095	EA 3" Flame Arrester (Varec 5000-X-3-S).....	3,556.61	123.76
46 82 76 00-0096	EA 4" Flame Arrester (Varec 5000-X-4-S).....	4,925.13	207.74
46 82 76 00-0097	EA 6" Flame Arrester (Varec 5000-X-6-S).....	8,165.22	262.70
46 82 76 00-0098	EA 8" Flame Arrester (Varec 5000-X-8-S).....	14,643.75	332.38
46 82 76 00-0099	EA 10" Flame Arrester (Varec 5000-X-0-S).....	18,223.83	407.17
46 82 76 00-0100	EA 12" Flame Arrester (Varec 5000-X-1-S).....	26,799.05	493.55
46 82 76 00-0101	Insulating Jackets For 5000 Flame Arrester (46 82 76 00-0092)		
	Note: Provides additional cold weather protection. Constructed of silicone impregnated woven glass cloth lining with a 1" thick, 6 LB density fiberglass insulating material.		
46 82 76 00-0102	EA 2" Insulating Jackets For 5000 Flame Arrester (Varec VB05.1185.158).....	1,271.75	49.87
46 82 76 00-0103	EA 3" Insulating Jackets For 5000 Flame Arrester (Varec VB05.1185.159).....	1,452.76	52.50
46 82 76 00-0104	EA 4" Insulating Jackets For 5000 Flame Arrester (Varec VB05.1185.160).....	1,643.67	55.26
46 82 76 00-0105	EA 6" Insulating Jackets For 5000 Flame Arrester (Varec VB05.1185.161).....	1,966.66	58.16
46 82 76 00-0106	EA 8" Insulating Jackets For 5000 Flame Arrester (Varec VB05.1185.162).....	2,452.13	61.08
46 82 76 00-0107	EA 10" Insulating Jackets For 5000 Flame Arrester (Varec VB05.1185.163).....	2,796.13	64.13
46 82 76 00-0108	EA 12" Insulating Jackets For 5000 Flame Arrester (Varec VB05.1185.164).....	3,534.66	67.34
46 82 76 00-0109	Flame Trap Assembly (46 82 76 00-0057)		
46 82 76 00-0110	Flame Trap Assembly (46 82 76 00-0109)		
	Note: Thermal shut-off valve mounted to a 5010 series flame arrester. 356HT low copper aluminum valve body and flame arrester housing. Aluminum frame with stainless steel sheets. Flame arrester element, 260F. Units to be mounted horizontally.		
46 82 76 00-0111	EA 2" Flame Trap Assembly (Varec 450-02-2-1-S).....	5,983.94	193.90
46 82 76 00-0112	EA 3" Flame Trap Assembly (Varec 450-03-2-1-S).....	6,528.62	247.53
46 82 76 00-0113	EA 4" Flame Trap Assembly (Varec 450-04-2-1-S).....	8,478.42	415.49
46 82 76 00-0114	EA 6" Flame Trap Assembly (Varec 450-06-2-1-S).....	13,402.04	525.39
46 82 76 00-0115	EA 8" Flame Trap Assembly (Varec 450-08-2-1-S).....	21,067.41	664.78
46 82 76 00-0116	EA 10" Flame Trap Assembly (Varec 450-10-2-1-S).....	31,135.15	814.35
46 82 76 00-0117	EA 12" Flame Trap Assembly (Varec 450-12-2-1-S).....	43,282.70	987.09
46 82 76 00-0118	Insulating Jacket For 450 Assembly (46 82 76 00-0109)		
46 82 76 00-0119	EA 2" Insulating Jacket For 450 Assembly (Varec VB05.1185.230).....	1,924.36	49.87
46 82 76 00-0120	EA 3" Insulating Jacket For 450 Assembly (Varec VB05.1185.231).....	2,223.40	52.50
46 82 76 00-0121	EA 4" Insulating Jacket For 450 Assembly (Varec VB05.1185.232).....	2,603.13	55.26
46 82 76 00-0122	EA 6" Insulating Jacket For 450 Assembly (Varec VB05.1185.233).....	3,189.96	58.16
46 82 76 00-0123	EA 8" Insulating Jacket For 450 Assembly (Varec VB05.1185.234).....	4,197.50	61.08
46 82 76 00-0124	EA 10" Insulating Jacket For 450 Assembly (Varec VB05.1185.235).....	5,042.77	64.13
46 82 76 00-0125	EA 12" Insulating Jacket For 450 Assembly (Varec VB05.1185.236).....	6,204.80	67.34
46 82 76 00-0126	Pressure Relief Assembly (46 82 76 00-0057)		
46 82 76 00-0127	Pressure Relief Assembly (46 82 76 00-0126)		
46 82 76 00-0128	EA 2" 2" WC To 12" WC, Pressure Relief Assembly (Varec 440 02 1 2 S 1).....	11,582.49	193.90
46 82 76 00-0129	EA 3" 2" WC To 12" WC, Pressure Relief Assembly (Varec 440 03 1 2 S 1).....	12,639.54	247.53
46 82 76 00-0130	EA 4" 2" WC To 12" WC, Pressure Relief Assembly (Varec 440 04 1 2 S 1).....	14,276.91	415.49
46 82 76 00-0131	EA 6" 2" WC To 12" WC, Pressure Relief Assembly (Varec 440 06 1 2 S 1).....	20,296.09	525.39
46 82 76 00-0132	EA 8" 2" WC To 12" WC, Pressure Relief Assembly (Varec 440 08 1 2 S 1).....	29,057.00	664.78
46 82 76 00-0133	EA 10" 2" WC To 7" WC, Pressure Relief Assembly (Varec 440 10 1 2 S 1).....	50,571.77	814.35
46 82 76 00-0134	EA 12" 2" WC To 7" WC, Pressure Relief Assembly (Varec 440 12 1 2 S 1).....	68,538.66	987.09
46 82 76 00-0135	Insulating Jackets For 440 Assembly (46 82 76 00-0126)		
46 82 76 00-0136	EA 2" Insulating Jackets For 440 Assembly (Varec VB05.1185.220).....	5,408.18	49.87
46 82 76 00-0137	EA 3" Insulating Jackets For 440 Assembly (Varec VB05.1185.221).....	5,929.38	52.50
46 82 76 00-0138	EA 4" Insulating Jackets For 440 Assembly (Varec VB05.1185.222).....	6,479.91	55.26
46 82 76 00-0139	EA 6" Insulating Jackets For 440 Assembly (Varec VB05.1185.223).....	7,361.10	58.16
46 82 76 00-0140	EA 8" Insulating Jackets For 440 Assembly (Varec VB05.1185.224).....	8,810.21	61.08
46 82 76 00-0141	EA 10" Insulating Jackets For 440 Assembly (Varec VB05.1185.225).....	11,085.64	64.13
46 82 76 00-0142	EA 12" Insulating Jackets For 440 Assembly (Varec VB05.1185.226).....	12,056.07	67.34
46 82 76 00-0143	Manhole And Inspection Covers (46 82 76 00-0057)		
46 82 76 00-0144	Manhole And Inspection Covers (46 82 76 00-0143)		
	Note: Aluminum base and cover, flax gasket.		
46 82 76 00-0145	EA 18" Manhole And Inspection Cover (Varec 220 18 11).....	4,514.35	162.87
46 82 76 00-0146	EA 20" Manhole And Inspection Cover (Varec 220 20 11).....	5,249.40	203.59
46 82 76 00-0147	EA 24" Manhole And Inspection Cover (Varec 220 24 11).....	6,246.37	247.21



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 76 00-0148 EA 30" Manhole And Inspection Cover (Varec 220 30 11).....	9,906.05	287.93
46 82 76 00-0149 EA 36" Manhole And Inspection Cover (Varec 220 36 11).....	11,547.42	317.01
<b>46 82 76 00-0150 Replacement Flax Gaskets For 220 Manway (46 82 76 00-0143)</b>		
46 82 76 00-0151 EA 18" Replacement Flax Gasket For 220 Manway (Varec R9000273-18) .....	824.57	
46 82 76 00-0152 EA 20" Replacement Flax Gasket For 220 Manway (Varec R9000273-20) .....	828.92	
46 82 76 00-0153 EA 24" Replacement Flax Gasket For 220 Manway (Varec R9000273-24) .....	890.44	
46 82 76 00-0154 EA 30" Replacement Flax Gasket For 220 Manway (Varec R9000273-30) .....	1,096.59	
46 82 76 00-0155 EA 36" Replacement Flax Gasket For 220 Manway (Varec R9000273-36) .....	1,293.26	
<b>46 82 76 00-0156 Sampling And Gauging Hatch Cover (46 82 76 00-0057)</b>		
<b>46 82 76 00-0157 Sampling And Gauging Hatch Covers (46 82 76 00-0156)</b>		
Note: 356 HT low copper aluminum, buna-n gasket, lockable handwheel and safety lever. ANSI class 125 LB flat faced flange.		
46 82 76 00-0158 EA 4" Sampling And Gauging Hatch Cover (Varec 42 411BA) .....	1,096.99	37.81
46 82 76 00-0159 EA 6" Sampling And Gauging Hatch Cover (Varec 42 611BA) .....	1,194.51	55.85
46 82 76 00-0160 EA 8" Sampling And Gauging Hatch Cover (Varec 42 811BA) .....	1,365.89	66.31
46 82 76 00-0161 EA 10" Sampling And Gauging Hatch Cover (Varec 42 011BA) .....	1,979.55	77.37
<b>46 82 76 00-0162 Replacement Buna-N Gasket For 42 Cover (46 82 76 00-0156)</b>		
46 82 76 00-0163 EA 4" Replacement Buna-N Gasket For 42 Cover (Varec B6017-075).....	253.30	
46 82 76 00-0164 EA 6" Replacement Buna-N Gasket For 42 Cover (Varec B6018-075).....	301.30	
46 82 76 00-0165 EA 8" Replacement Buna-N Gasket For 42 Cover (Varec B6029-075).....	321.63	
46 82 76 00-0166 EA 10" Replacement Buna-N Gasket For 42 Cover (Varec B6030-075).....	342.10	
<b>46 82 76 00-0167 Emergency Relief Manhole Covers (46 82 76 00-0057)</b>		
Note: Aluminum base and cover, ANSI 150 LB flat faced flange connection. Please provide pressure and vacuum settings at time of order.		
46 82 76 00-0168 EA 1.6" WC To 6.4" WC, 24" Emergency Relief Manhole Cover (Varec 400W 24 11 0 1 1 F) .....	21,444.96	247.21
46 82 76 00-0169 EA 6.5" WC To 16.3" WC, 24" Emergency Relief Manhole Cover (Varec 400W 24 11 1 1 1 F) .....	22,310.90	247.21
46 82 76 00-0170 EA 16.4" WC To 22.7" WC, 24" Emergency Relief Manhole Cover (Varec 400W 24 11 2 1 1 F) .....	22,445.97	247.21
<b>46 82 76 00-0171 Replacement Flame Arrester Kits (46 82 76 00-0057)</b>		
Note: Replacement flame arrester bank assemblies with replacement cover gasket. Aluminum bank frame with stainless steel sheets.		
46 82 76 00-0172 EA 2" Replacement Flame Arrester Kit (Varec 5000.ALSS.KIT.2) .....	1,984.60	96.94
46 82 76 00-0173 EA 3" Replacement Flame Arrester Kit (Varec 5000.ALSS.KIT.3) .....	2,085.88	123.76
46 82 76 00-0174 EA 4" Replacement Flame Arrester Kit (Varec 5000.ALSS.KIT.4) .....	2,904.48	207.74
46 82 76 00-0175 EA 6" Replacement Flame Arrester Kit (Varec 5000.ALSS.KIT.6) .....	4,817.27	262.70
46 82 76 00-0176 EA 8" Replacement Flame Arrester Kit (Varec 5000.ALSS.KIT.8) .....	8,621.64	332.38
46 82 76 00-0177 EA 10" Replacement Flame Arrester Kit (Varec 5000.ALSS.KIT.10) .....	10,714.87	407.17
46 82 76 00-0178 EA 12" Replacement Flame Arrester Kit (Varec 5000.ALSS.KIT.12) .....	15,757.60	493.55
<b>46 82 76 00-0179 Safety Selector Valve (46 82 76 00-0057)</b>		
46 82 76 00-0180 EA Safety Selector Valve, Stainless Steel Body (Varec SVR-2405B-ASTO) .....	33,205.83	553.08
46 82 76 00-0181 EA Insulating Jacket For Safety Selector Valve (Varec VB05.1185.260) .....	4,681.24	36.35
<b>46 82 76 00-0182 Condensate And Sediment Traps (46 82 76 00-0057)</b>		
<b>46 82 76 00-0183 Condensate And Sediment Traps (46 82 76 00-0182)</b>		
46 82 76 00-0184 EA 6" Condensate And Sediment Trap, Stainless Steel Body (Varec 23306FS) .....	11,639.53	345.67
<b>46 82 76 00-0185 Accessories For Condensate And Sediment Traps (46 82 76 00-0182)</b>		
46 82 76 00-0186 EA 2-1/2 Quart Capacity, Manual Operation, Low Pressure Drip Trap (Varec 246 2) .....	1,272.77	36.35
46 82 76 00-0187 EA 6 Quart Capacity, Manual Operation, Low Pressure Drip Trap (Varec 246 6) .....	1,564.07	45.44
46 82 76 00-0188 EA 2-1/2 Quart Capacity, Electric Actuator, Low Pressure Drip Trap (Varec 246 AT 2).....	9,660.42	72.71
46 82 76 00-0189 EA 6 Quart Capacity, Electric Actuator, Low Pressure Drip Trap (Varec 246 AT 6) .....	10,806.68	81.80
Note: 356-T6 low copper cast aluminum body, cover plate, disc and handle. 1" NPT inlet and outlet connections. Explosion proof actuator with NEMA 7 timer.		
46 82 76 00-0190 EA 1/2" Sight Glass Assembly With Bronze Valves (Varec 218) .....	383.07	36.35
46 82 76 00-0191 EA 1/2" Sight Glass Assembly With Stainless Steel Valves (Varec 218).....	2,332.14	36.35
46 82 76 00-0192 EA Insulating Jacket For Automatic Low Pressure Drip Trap (Varec VB05.1185.248).....	1,555.66	58.16
46 82 76 00-0193 EA Insulating Jacket For Timer Enclosure (Varec VB05.1185.256) .....	761.42	58.16
46 82 76 00-0194 EA Spare Parts Kit For 6 Quart Automatic Low Pressure Drip Trap (Varec 246AT.PM.KIT).....	1,739.83	
<b>46 82 76 00-0195 Replacement Parts (46 82 76 00-0057)</b>		
<b>46 82 76 00-0196 Replacement Seat Rings For Pressure/Vacuum Relief Valve (46 82 76 00-0195)</b>		
Note: Stainless steel construction. Same for both pressure side and vacuum side.		
46 82 76 00-0197 EA 2" Replacement Seat Rings For Pressure/Vacuum Relief Valve (Varec 02-10438-006-1).....	635.06	
46 82 76 00-0198 EA 3" Replacement Seat Rings For Pressure/Vacuum Relief Valve (Varec 02-10251-006-1).....	722.01	

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 76 00-0199	EA		4" Replacement Seat Rings For Pressure/Vacuum Relief Valve (Varec 02-05464-006-1) .....	792.48	
46 82 76 00-0200	EA		6" Replacement Seat Rings For Pressure/Vacuum Relief Valve (Varec 02-05478-006-1) .....	1,170.00	
46 82 76 00-0201	EA		8" Replacement Seat Rings For Pressure/Vacuum Relief Valve (Varec 02-05482-006-1) .....	1,546.34	
46 82 76 00-0202	EA		10" Replacement Seat Rings For Pressure/Vacuum Relief Valve (Varec 02-05487-006-1) .....	2,041.79	
46 82 76 00-0203	EA		12" Replacement Seat Rings For Pressure/Vacuum Relief Valve (Varec 02-05499-006-1) .....	2,538.48	
<b>46 82 76 00-0204</b>			<b>Replacement Pallet Assembly For Pressure Side Only (46 82 76 00-0195)</b>		
			Note: Stainless steel construction.		
46 82 76 00-0205	EA		2" Replacement Pallet Assembly For Pressure Side Only (Varec 06-11485-306-1) .....	1,161.31	
46 82 76 00-0206	EA		3" Replacement Pallet Assembly For Pressure Side Only (Varec 06-11485-406-1) .....	1,414.89	
46 82 76 00-0207	EA		4" Replacement Pallet Assembly For Pressure Side Only (Varec 06-11485-506-1) .....	1,564.49	
46 82 76 00-0208	EA		6" Replacement Pallet Assembly For Pressure Side Only (Varec 06-11485-606-1) .....	2,337.75	
46 82 76 00-0209	EA		8" Replacement Pallet Assembly For Pressure Side Only (Varec 06-11485-706-1) .....	3,111.21	
46 82 76 00-0210	EA		10" Replacement Pallet Assembly For Pressure Side Only (Varec 06-11485-806-1) .....	4,143.78	
46 82 76 00-0211	EA		12" Replacement Pallet Assembly For Pressure Side Only (Varec 06-11485-906-1) .....	5,176.68	
<b>46 82 76 00-0212</b>			<b>Replacement Pallet Assembly For Vacuum Side Only (46 82 76 00-0195)</b>		
			Note: Stainless steel construction.		
46 82 76 00-0213	EA		2" Replacement Pallet Assembly For Vacuum Side Only (Varec 06-11485-106-1) .....	1,161.31	
46 82 76 00-0214	EA		3" Replacement Pallet Assembly For Vacuum Side Only (Varec 06-11485-206-1) .....	1,414.89	
46 82 76 00-0215	EA		4" Replacement Pallet Assembly For Vacuum Side Only (Varec 06-11485-306-1) .....	1,564.49	
46 82 76 00-0216	EA		6" Replacement Pallet Assembly For Vacuum Side Only (Varec 06-11485-606-1) .....	2,337.75	
46 82 76 00-0217	EA		8" Replacement Pallet Assembly For Vacuum Side Only (Varec 06-11485-706-1) .....	3,111.21	
46 82 76 00-0218	EA		10" Replacement Pallet Assembly For Vacuum Side Only (Varec 06-11485-806-1) .....	4,143.78	
46 82 76 00-0219	EA		12" Replacement Pallet Assembly For Vacuum Side Only (Varec 06-11485-906-1) .....	5,176.68	
<b>46 82 76 00-0220</b>			<b>Replacement Fuses For Thermal Shut Off Valve (46 82 76 00-0195)</b>		
46 82 76 00-0221	EA		Up To 4", Replacement Fuses For Thermal Shut Off Valve (Varec B2844-061) .....	95.44	
46 82 76 00-0222	EA		>4", Replacement Fuses For Thermal Shut Off Valve (Varec 02-10330-061) .....	99.45	
<b>46 82 76 00-0223</b>			<b>Replacement Fuse For 440 Assembly (46 82 76 00-0195)</b>		
46 82 76 00-0224	EA		Replacement Fuse For 440 Assembly (Varec A1068-061) .....	95.44	
<b>46 82 76 00-0225</b>			<b>Replacement Diaphragm For Back Pressure Regulator (46 82 76 00-0195)</b>		
46 82 76 00-0226	EA		2" Replacement Diaphragm For Back Pressure Regulator (Varec B6586-074) .....	561.48	
46 82 76 00-0227	EA		3" To 4" Replacement Diaphragm For Back Pressure Regulator (Varec D4608-074) .....	824.41	
46 82 76 00-0228	EA		6" To 8" Replacement Diaphragm For Back Pressure Regulator (Varec D490-074) .....	892.34	
46 82 76 00-0229	EA		10" To 12" Replacement Diaphragm For Back Pressure Regulator (Varec 02-09523-074) .....	987.49	
<b>46 82 83</b>			<b>Water Treatment Instrumentation Devices (46 82)</b>		
<b>46 82 83 00-0001</b>			<b>Sewage And Aeration Instrumentation Devices (46 82 83)</b>		
<b>46 82 83 00-0002</b>			<b>Temperature Equipment And Instrumentation (46 82 83 00-0001)</b>		
<b>46 82 83 00-0003</b>			<b>Temperature Equipment And Instrumentation (Foxboro) (46 82 83 00-0002)</b>		
46 82 83 00-0004	EA		Temperature Sensor, Up To 3.5" Insertion, -330 To 1,200 Degree F Range, 316 Stainless Steel Sheath Material. Model: Foxboro Company #PR-13UBS-003 .....	439.01	16.30
46 82 83 00-0005	EA		Temperature Sensor, Up To 6" Insertion, -330 To 1,200 Degree F Range, 316 Stainless Steel Sheath Material. Model: Foxboro Company #PR-13UBS-006 .....	450.15	16.30
46 82 83 00-0006	EA		Temperature Sensor, Up To 12" Insertion, -330 To 1,200 Degree F Range, 316 Stainless Steel Sheath Material. Model: Foxboro Company #PR-13UBS-012 .....	458.50	16.30
46 82 83 00-0007	EA		Temperature Sensor, Up To 18" Insertion, -330 To 1,200 Degree F Range, 316 Stainless Steel Sheath Material. Model: Foxboro Company #PR-13UBS-018 .....	475.21	16.30
46 82 83 00-0008	EA		Temperature Sensor, Up To 24" Insertion, -330 To 1,200 Degree F Range, 316 Stainless Steel Sheath Material. Model: Foxboro Company #PR-13UBS-024 .....	491.91	16.30
46 82 83 00-0009	EA		Temperature Transmitter, 4-20mA With HART Communication, Epoxy Coated Housing, LCD. Model: Foxboro Company #RTT20-T1SNQFA-L1 .....	960.85	24.44
<b>46 82 83 00-0010</b>			<b>Temperature Equipment And Instrumentation (Moore) (46 82 83 00-0002)</b>		
46 82 83 00-0011	EA		Temperature Transmitter, Moore Products Company #343D-A-5-N-5-1-3 .....	1,050.86	24.44
46 82 83 00-0012	EA		Temperature Transmitter, Moore Products Company #343F-A-5-N-1-1-3 .....	1,230.07	24.44
46 82 83 00-0013	EA		2.5" Immersion Length Temperature Sensor, Stainless Steel Well Material, Moore Products Company #344T4-6- X-2-AD-J-A-12 .....	283.49	16.30
			Note: Stainless steel fittings, explosion proof, duplex thermocouple, and 1/2" NPT threaded pipewell.		
46 82 83 00-0014	EA		10.5" Immersion Length Temperature Sensor, Stainless Steel Well Material, Moore Products Company #344T4-6- X-2-AD-J-A-12 .....	335.62	16.30
			Note: Stainless steel fittings, explosion proof, duplex thermocouple, and 1/2" NPT threaded pipewell.		
46 82 83 00-0015	EA		16.5" Immersion Length Temperature Sensor, Stainless Steel Well Material, Moore Products Company #344T4-6- X-2-AD-J-A-12 .....	399.16	16.30
			Note: Stainless steel fittings, explosion proof, duplex thermocouple, and 1/2" NPT threaded pipewell.		
46 82 83 00-0016	EA		22.5" Immersion Length Temperature Sensor, Stainless Steel Well Material, Moore Products Company #344T4-6- X-2-AD-J-A-12 .....	443.15	16.30
			Note: Stainless steel fittings, explosion proof, duplex thermocouple, and 1/2" NPT threaded pipewell.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0017 EA 2.5" Immersion Length Temperature Sensor, Hastelloy Well Material, Moore Products Company #344T4-6-X-2-AD-J-A-18.....	521.35	16.30
Note: Stainless steel fittings, explosion proof, duplex thermocouple, and 1/2" NPT threaded pipewell.		
46 82 83 00-0018 EA 10.5" Immersion Length Temperature Sensor, Hastelloy Well Material, Moore Products Company #344T4-6-X-2-AD-J-A-18.....	902.58	16.30
Note: Stainless steel fittings, explosion proof, duplex thermocouple, and 1/2" NPT threaded pipewell.		
46 82 83 00-0019 EA 16.5" Immersion Length Temperature Sensor, Hastelloy Well Material, Moore Products Company #344T4-6-X-2-AD-J-A-18.....	1,267.52	16.30
Note: Stainless steel fittings, explosion proof, duplex thermocouple, and 1/2" NPT threaded pipewell.		
46 82 83 00-0020 EA 22.5" Immersion Length Temperature Sensor, Hastelloy Well Material, Moore Products Company #344T4-6-X-2-AD-J-A-18.....	1,629.21	16.30
Note: Stainless steel fittings, explosion proof, duplex thermocouple, and 1/2" NPT threaded pipewell.		
46 82 83 00-0021 EA Portable Trace Recorder, Moore Products Company #36P144NNNN1NNN1.....	5,265.98	73.51
46 82 83 00-0022 EA Stationary Trace Recorder, Moore Products Company #36M134NNNN1NNN1.....	4,231.62	110.27
46 82 83 00-0023 EA Video Graphic Recorder, Moore Products Company #36V124NNNN1NNN1.....	5,759.81	110.27
46 82 83 00-0024 EA Basic Controller, Moore Products Company #353A2FNNNNNNNA4.....	2,272.93	36.76
For Expanded Controller, Add	500.00	
<b>46 82 83 00-0025 Temperature Equipment And Instrumentation (Rosemount) (46 82 83 00-0002)</b>		
46 82 83 00-0026 EA Rosemount Head Mounted Smart Temperature Transmitter; LCD Indicator; Explosion Proof Enclosure.....	1,034.81	
46 82 83 00-0027 EA Rosemount Head Mounted Smart Temperature Transmitter; Single RTD Input; LCD Indicator; Explosion Proof Enclosure.....	1,447.23	
46 82 83 00-0028 EA Rosemount Head Mounted Smart Temperature Transmitter; Dual RTD Input; LCD Indicator; Explosion Proof Enclosure.....	1,461.65	
46 82 83 00-0029 EA Rosemount Eight Input Temperature Transmitter; Fieldbus Output; FM Intrinsically Safe.....	2,811.03	
46 82 83 00-0030 EA Rosemount RTD - Thin Film; Spring Loaded; 3" Nipple Union; 6" Element; Explosion Proof Enclosure.....	293.92	
46 82 83 00-0031 EA Rosemount RTD - Wire Wound; Spring Loaded; 3" Nipple Union; 6" Element; Explosion Proof Enclosure.....	320.12	
46 82 83 00-0032 EA Rosemount RTD - Wire Wound; Spring Loaded; 3" Nipple Union; 6" Element; Explosion Proof Enclosure; 316 Stainless Steel Tapered Thermowell; 1" NPT Connection; 4 1/2" Insertion.....	431.43	
<b>46 82 83 00-0033 Temperature Equipment And Instrumentation (Yokogawa) (46 82 83 00-0002)</b>		
46 82 83 00-0034 EA Temperature Sensor, 2.5" Immersion Length, Threaded And Socket Thermowells, Thin Film RTD, 4-Wire. Model: Yokogawa #TSE300-L-10-B-N-N-X.....	221.59	24.44
46 82 83 00-0035 EA Temperature Sensor, 4.5" Immersion Length, Threaded And Socket Thermowells, Thin Film RTD, 4-Wire. Model: Yokogawa #TSE300-L-10-B-N-N-X.....	239.51	24.44
46 82 83 00-0036 EA Temperature Sensor, 7.5" Immersion Length, Threaded And Socket Thermowells, Thin Film RTD, 4-Wire. Model: Yokogawa #TSE300-L-10-B-N-N-X.....	272.09	24.44
46 82 83 00-0037 EA Temperature Sensor, 10.5" Immersion Length, Threaded And Socket Thermowells, Thin Film RTD, 4-Wire. Model: Yokogawa #TSE300-L-10-B-N-N-X.....	330.74	24.44
46 82 83 00-0038 EA Temperature Sensor, 13.5" Immersion Length, Threaded And Socket Thermowells, Thin Film RTD, 4-Wire. Model: Yokogawa #TSE300-L-10-B-N-N-X.....	379.62	24.44
46 82 83 00-0039 EA Temperature Sensor, 16.5" Immersion Length, Threaded And Socket Thermowells, Thin Film RTD, 4-Wire. Model: Yokogawa #TSE300-L-10-B-N-N-X.....	425.24	24.44
46 82 83 00-0040 EA For 4" Flanged Thermowells.....	408.94	24.44
46 82 83 00-0041 EA For 7" Flanged Thermowells.....	457.82	30.97
46 82 83 00-0042 EA For 10" Flanged Thermowells.....	514.85	37.48
46 82 83 00-0043 EA For 16" Flanged Thermowells.....	617.49	42.37
46 82 83 00-0044 EA Temperature Transmitter, 4-20mA With HART Communication, 1/2" NPT Connection, Digital Indicator, 304 Stainless Steel 2" Pipe Mounting, Explosion Proof. Model: Yokogawa #YTA110-EA2DB/FF1.....	1,135.75	36.76
<b>46 82 83 00-0045 Pressure Equipment And Instrumentation (46 82 83 00-0001)</b>		
<b>46 82 83 00-0046 Pressure And Level Transmitters (ABB) (46 82 83 00-0045)</b>		
46 82 83 00-0047 EA Pressure Transmitter, Normal Range 5.8 - 116 PSI, 316 Stainless Steel Construction, 0.1% Accuracy, 1/2" NPT Process Connection. Model: ABB Instrumentation, Model #624GV210811141.....	1,234.48	16.30
For Transmitter With LCD Indicator, Add	175.00	
46 82 83 00-0048 EA Differential Pressure Transmitter, Normal Range 0-10.7" H2O, 316 Stainless Steel Construction, 0.1% Accuracy, 1/2" NPT Process Connection. Model: ABB Instrumentation, Model #621DD2J10811141.....	1,617.58	16.30
For Transmitter With LCD Indicator, Add	175.00	
46 82 83 00-0049 EA Differential Pressure Transmitter, Normal Range 0-640" H2O, 316 Stainless Steel Construction, 0.1% Accuracy, 1/2" NPT Process Connection. Model: ABB Instrumentation, Model #621DD2J61111141.....	1,539.17	16.30
For Transmitter With LCD Indicator, Add	175.00	
<b>46 82 83 00-0050 Pressure Transmitters (Rosemount) (46 82 83 00-0045)</b>		
46 82 83 00-0051 EA Rosemount Gage Pressure Smart Transmitter; 316 Stainless Steel Wetted Parts; 150 psi Range; Mounting Bracket; LCD Indicator; Explosion Proof Enclosure.....	1,109.77	
46 82 83 00-0052 EA Rosemount Differential Pressure Smart Transmitter; 316 Stainless Steel Wetted Parts; 750 in WC Range; Mounting Bracket; LCD Indicator; Explosion Proof Enclosure.....	1,649.84	
46 82 83 00-0053 EA Rosemount Gage Pressure Smart Transmitter; 316 Stainless Steel Wetted Parts; 300 psi Range; Mounting Bracket; LCD Indicator; Explosion Proof Enclosure.....	1,540.18	
46 82 83 00-0054 EA Rosemount Flange Mounted Liquid Level Smart Transmitter; 316 Stainless Steel Wetted Parts; 750 in WC Range; 3" 150 LB Flange; LCD Indicator; Explosion Proof Enclosure; Flush Diaphragm.....	2,723.40	
For Diaphragm Extension Length 6", Add	249.00	
46 82 83 00-0055 EA Rosemount Gage Pressure Smart Transmitter; 316 Stainless Steel Wetted Parts; 800 psi Range; Mounting Bracket; LCD Indicator; Explosion Proof Enclosure.....	1,109.77	
46 82 83 00-0056 EA Rosemount Gage Pressure Smart Transmitter; 316 Stainless Steel Wetted Parts; 1000 in WC Range; Mounting Bracket; LCD Indicator; Explosion Proof Enclosure; .065% Accuracy.....	1,611.46	
46 82 83 00-0057 EA Rosemount Differential Pressure Smart Transmitter; 316 Stainless Steel Wetted Parts; 1000 in WC Range; Mounting Bracket; LCD Indicator; Explosion Proof Enclosure; .065% Accuracy.....	1,611.46	

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0058	EA	Rosemount Flange Mounted Liquid Level Smart Transmitter; 316 Stainless Steel Wetted Parts; 250 in WC Range; 3" 150 LB Flange; LCD Indicator; Explosion Proof Enclosure; Flush Diaphragm; Classic Performance.....	1,723.31	
		<i>For EF-6" Lower Housing Extension, Add</i>	390.00	
46 82 83 00-0059	EA	Rosemount Gage Pressure Smart Transmitter; 316 Stainless Steel Wetted Parts; 800 psi Range; Mounting Bracket; LCD Indicator; Explosion Proof Enclosure; Classic Performance.....	3,066.02	
		<i>For Ultra, Add</i>	144.00	
46 82 83 00-0060	EA	Rosemount Gage Pressure Smart Transmitter; 316 Stainless Steel Wetted Parts; 250 in WC Range; Mounting Bracket; LCD Indicator; Explosion Proof Enclosure; Classic Performance.....	2,077.70	
		<i>For Ultra, Add</i>	144.00	
46 82 83 00-0061	EA	Rosemount Differential Pressure Smart Transmitter; 316 Stainless Steel Wetted Parts; 250 in WC Range; Mounting Bracket; LCD Indicator; Explosion Proof Enclosure; Classic Performance.....	2,077.70	
		<i>For Ultra, Add</i>	144.00	
46 82 83 00-0062	EA	Rosemount Flange Mounted Liquid Level Smart Transmitter; 316 Stainless Steel Wetted Parts; 1000 in WC Range; 3" 150 LB Flange; LCD Indicator; Explosion Proof Enclosure; Flush Diaphragm; .075% Accuracy.....	2,376.53	
		<i>For Diaphragm Extension Length 6", Add</i>	249.00	
<b>46 82 83 00-0063</b>		<b>Differential Pressure Transmitters (Yokogawa) (46 82 83 00-0045)</b>		
46 82 83 00-0064	EA	1-100 kPa Measurement Range Differential Pressure Transmitter, Yokogawa #EJ110A-EMS3B92NB/FF1.....	1,890.07	36.76
		Note: 4-20mA output, HART protocol, 316 stainless steel wetted parts, 1/4" NPT process connector, and 304 stainless steel mounting bracket.		
46 82 83 00-0065	EA	5-500 kPa Measurement Range Differential Pressure Transmitter, Yokogawa #EJ110A-EHS3B92NB/FF1.....	1,890.07	36.76
		Note: 4-20mA output, HART protocol, 316 stainless steel wetted parts, 1/4" NPT process connector, and 304 stainless steel mounting bracket.		
46 82 83 00-0066	EA	0.14-14 MPa Measurement Range Differential Pressure Transmitter, Yokogawa #EJ110A-EVS3B92NB/FF1.....	2,191.47	36.76
		Note: 4-20mA output, HART protocol, 316 stainless steel wetted parts, 1/4" NPT process connector, and 304 stainless steel mounting bracket.		
<b>46 82 83 00-0067</b>		<b>Pressure Transmitters (E+H) (46 82 83 00-0045)</b>		
46 82 83 00-0068	EA	150 PSIG, 333' H2O Sensor Range, 600 PSI Overload, Push Button On Electronics Display, FM NI Class I, Division 2, Group A-D, Zone 2, Pressure Transmitter (E+H PMC51-4JD81/0).....	927.55	36.35
		Note: Output: 4-20mA HART; Housing: F31 aluminum; Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: sensor range, psi; Process Connection: 1/2" MNPT, 1/4" FNPT, 316L; Seal: FKM Viton.		
46 82 83 00-0069	EA	150 PSIG, 333' H2O Sensor Range, 600 PSI Overload, LCD, Push Button On Display/Electronics Display, FM NI Class I, Division 2, Group A-D, Zone 22, Pressure Transmitter (E+H PMC51-1NR02/0).....	1,021.87	36.35
		Note: Output: 4-20mA HART; Housing: F31 aluminum, glass window; Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: sensor range, psi; Process Connection: 1/2" MNPT, 1/4" FNPT, 316L; Seal: FKM Viton.		
46 82 83 00-0070	EA	14.5 PSI Nominal Pressure, 0.45 PSI Sensor Nominal Value, Push Button On Electronics Display, FM NI Class I, Division 2, Group A-D, Zone 2, Differential Pressure Transmitter (E+H PMD55-20010/0).....	1,036.49	36.35
		Note: Output: 4-20mA HART; Housing: F30 aluminum; Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: nominal value; in H2O.		
46 82 83 00-0071	EA	14.5 PSI Nominal Pressure, 0.45 PSI Sensor Nominal Value, LCD, Push Button On Display/Electronics Display, FM NI Class I, Division 2, Group A-D, Zone 2, Differential Pressure Transmitter (E+H PMD55-20039/0).....	1,130.81	36.35
		Note: Output: 4-20mA HART; Housing: F30 aluminum, glass window; Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: nominal value; in H2O; Process Connection: NPT1/4-18, UNF7/16-20; installation impulse line vertical alignment 90 degree; Membrane Material: 316L; Fill Fluid: silicone oil; Seal: FKM Viton.		
46 82 83 00-0072	EA	1,015 PSI Nominal Pressure, 45 PSI Sensor Nominal Value, Push Button On Electronics Display, FM NI Class I, Division 2, Group A-D, Zone 2, Differential Pressure Transmitter (E+H PMD55-20046/0).....	1,036.49	36.35
		Note: Output: 4-20mA HART; Housing: F30 aluminum; Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: nominal value, in H2O; Process Connection: NPT1/4-18, UNF7/16-20; installation impulse line vertical alignment 90 degree; Membrane Material: 316L; Fill Fluid: silicone oil; Seal: FKM Viton.		
46 82 83 00-0073	EA	1,015 PSI Nominal Pressure, 45 PSI Sensor Nominal Value, LCD, Push Button On Display/Electronics Display, FM NI Class I, Division 2, Group A-D, Zone 22, Differential Pressure Transmitter (E+H PMD55-144U5/0).....	1,130.81	36.35
		Note: Output: 4-20mA HART; Housing: F30 aluminum, glass window; Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: nominal value, in H2O; Process Connection: NPT1/4-18, UNF7/16-20; installation impulse line vertical alignment 90 degree; Membrane Material: 316L; Fill Fluid: silicone oil; Seal: FKM Viton.		
46 82 83 00-0074	EA	150 PSIG, 333' H2O Sensor Range, 600 PSI Overload, LCD, Push Button On Display/Electronics Display, FM XP Class I, II, Division 1, Group A-G, Zone 1, IIC T6 (Conduit Seal Not Required), Zone 1, 2, Pressure Transmitter (E+H PMP51-1EN37/0).....	1,073.48	36.35
		Note: Output: 4-20mA HART; Housing: F31 aluminum, glass window; Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: sensor range, psi; Process Connection: Thread ANSI MNPT1/2 FNPT1/4, 316L; Membrane Material: 316L; Fill Fluid: silicone oil; Accessory Enclosed: mounting bracket, wall/pipe, 316L.		
46 82 83 00-0075	EA	30 PSIG, 67' H2O Sensor Range, 300 PSI Overload, LCD, Push Button On Display/Electronics Display, FM XP Class I, II, Division 1, Group A-G, Zone 1, IIC T6 (Conduit Seal Not Required), Zone 1, 2, Pressure Transmitter (E+H PMP51-5LD41/0).....	1,073.48	36.35
		Note: Output: 4-20mA HART; Housing: F31 aluminum, glass window; Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: sensor range; in H2O; Process Connection: Thread ANSI MNPT1/2 FNPT1/4, 316L; Membrane Material: 316L; Fill Fluid: silicone oil; Accessory Enclosed: mounting bracket, wall/pipe, 316.		
46 82 83 00-0076	EA	600 PSIG, 1,334' H2O Sensor Range, 2400 PSI Overload, LCD, Push Button On Display/Electronics Display, FM XP Class I, II, Division 1, Group A-G, Zone 1, IIC T6 (Conduit Seal Not Required), Zone 1, 2, Pressure Transmitter (E+H PMP51-1EN20/0).....	1,073.48	36.35
		Note: Output: 4-20mA HART; Housing: F31 aluminum, glass window; Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: sensor range; psi; Process Connection: Thread ANSI MNPT1/2 FNPT1/4, 316L; Membrane Material: 316L; Fill Fluid: silicone oil; Accessory Enclosed: mounting bracket, wall/pipe, 316L.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0077 EA 45 PSI Nominal Pressure, Output: 4-20mA HART; Inside + LCD, FM XP Class I, Division 1, Group A-D, AEx d, Zone 1, 2 NI Class I, Division 2, Group A-D, Zone 2, Differential Pressure Transmitter (E+H FMD77-XP6/0).....	2,740.60	36.35
Note: Housing; Cover Sealing; Cable Entry: T14 aluminum NEMA 6P; EPDM; 1/2" NPT, T14 = side cover; Nominal Range; Cell Material; 316L; 2,400 psi; Calibration; Unit: nominal range; in H2O; Membrane Material: 316L, high pressure side; Process Connection; LP Side; Seal: NPT1/4-18; FKM Viton, mounting UNF7/16-20; Process Connection, HP/HP+LP: NPS 3" Class, 150 RF, 316/316L flange ASME B16.5; Fill Fluid: silicone oil.		
46 82 83 00-0078 EA 45 PSI Nominal Pressure, Output: 4-20mA HART; External + LCD, FM XP Class I, Division 1, Group A-D, AEx d, Zone 1, 2 NI Class I, Division 2, Group A-D, Zone 2, Differential Pressure Transmitter (E+H FMD77-XP7/0).....	3,710.32	36.35
Note: Housing; Cover Sealing; Cable Entry: T14 aluminum NEMA 6P; EPDM; 1/2" NPT, T14 = side cover; Nominal Range; Cell Material; 316L; 2,400 psi; Calibration; Unit: nominal range; in H2O; Membrane Material: 316L, high pressure side; Process Connection; LP Side; Seal: NPT1/4-18; FKM Viton, mounting UNF7/16-20; Process Connection; HP/HP+LP: NPS 3" Class, 150 RF, 316/316L, 2/4/6" barrel, flange ASME B16.5, Fill Fluid: silicone oil.		
46 82 83 00-0079 EA 1500 PSIG, 3,330' H2O Sensor Range, 6000 PSI Overload, LCD, Push Button On Display/Electronics Display, FM XP Class I, II, Division 1, Group A-G, Zone 1, IIC T6 (Conduit Seal Not Required), Zone 1, 2, Pressure Transmitter (E+H PMP51-5LD59/0).....	1,073.48	36.35
Note: Output: 4-20mA HART; Housing: F31 aluminum, glass window; Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: sensor range; psi; Process Connection: Thread ANSI MNPT1/2 FNPT1/4, 316L; Membrane Material: 316L; Fill Fluid: silicone oil; Accessory Enclosed: mounting bracket, wall/pipe, 316L.		
46 82 83 00-0080 EA 60 PSIG, 133' H2O Sensor Range, 420 PSI Overload, LCD, Push Button On Display/Electronics Display, FM XP Class I, II, Division 1, Group A-G, Zone 1, IIC T6 (Conduit Seal Not Required), Zone 1, 2, Pressure Transmitter (E+H PMP51-5LD66/0).....	1,073.48	36.35
Note: Output: 4-20mA HART; Housing: F31 aluminum, glass window; Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: sensor range; in H2O; Process Connection: Thread ANSI MNPT1/2 FNPT1/4, 316L; Membrane Material: 316L; Fill Fluid: silicone oil; Mounting bracket, wall/pipe, 316L.		
46 82 83 00-0081 EA 15 PSIG, 33' H2O Sensor Range, 150 PSI Overload, LCD, Push Button On Display/Electronics Display, FM XP Class I, II, Division 1, Group A-G, Zone 1, IIC T6 (Conduit Seal Not Required), Zone 1, 2, Pressure Transmitter (E+H PMP51-5LD80/0).....	1,073.48	36.35
Note: Output: 4-20mA HART; Housing: F31 aluminum, glass window; Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: sensor range; in H2O; Process Connection: Thread ANSI MNPT1/2 FNPT1/4, 316L; Membrane Material: 316L; Fill Fluid: silicone oil; Mounting bracket, wall/pipe, 316L.		
46 82 83 00-0082 EA 14.5 PSI Nominal Pressure, 0.45 PSI Sensor Nominal Value, Push Button On Electronics Display, FM XP Class I, II, Division 1, Group A-G, Zone 1, IIC T6 (Conduit Seal Not Required), Zone 1, 2, Differential Pressure Transmitter (E+H PMD55-20085/0).....	1,237.15	36.35
Note: Output: 4-20mA HART; Housing: F30 aluminum; Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: nominal value; kPa/MPa; Process Connection: NPT1/4-18, UNF7/16-20; installation impulse line horizontal alignment 180 degree; Membrane Material: 316L; Fill Fluid: silicone oil; Seal: FKM Viton; mounting bracket, wall/pipe, 316L, heavy duty design.		
46 82 83 00-0083 EA 1,015 PSI Nominal Pressure, 240 PSI Sensor Nominal Value, Push Button On Electronics Display, FM XP Class I, II, Division 1, Group A-G, Zone 1, IIC T6 (Conduit Seal Not Required), Zone 1, 2, Differential Pressure Transmitter (E+H PMD55-20092/0).....	1,237.15	36.35
Note: Output: 4-20mA HART; Housing: F30 aluminum; Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: nominal value; kPa/MPa; Process Connection: NPT1/4-18, UNF7/16-20, installation impulse line horizontal alignment 180 degree; Membrane Material: 316L; Fill Fluid: silicone oil; Seal: FKM Viton; mounting bracket, wall/pipe, 316L, heavy duty design.		
46 82 83 00-0084 EA 2,400 PSI Nominal Pressure, 600 PSI Sensor Nominal Value, Push Button On Electronics Display, FM XP Class I, II, Division 1, Group A-G, Zone 1, IIC T6 (Conduit Seal Not Required), Zone 1, 2, Differential Pressure Transmitter (E+H PMD55-200C9/0).....	1,313.39	36.35
Note: Output: 4-20mA HART2; Housing: F30 aluminum; Electrical Connection: 1/2" NPT, NEMA 4X/6P; ; Reference Accuracy: standard calibration; Unit: nominal value; kPa/MPa; Process Connection: NPT1/4-18, UNF7/16-20, installation impulse line horizontal alignment 180 degree; Membrane Material: 316L; Fill Fluid: silicone oil; Seal: FKM Viton; mounting bracket, wall/pipe, 316L, heavy duty design.		
46 82 83 00-0085 DAY E+H, Pressure Instrumentation, Start Up And Training.....	1,318.00	
<b>46 82 83 00-0086 Pressure Isolators (Onyx Valve Company) <small>(46 82 83 00-0045)</small></b>		
46 82 83 00-0087 EA 2", 316 Stainless Steel Center Section, Silicone Filled End Plates And Stinger Fitting, PSW Isolator Ring (Onyx Valve Company PSW-2-SS).....	864.03	56.65
46 82 83 00-0088 EA 2-1/2", 316 Stainless Steel Center Section, Silicone Filled End Plates And Stinger Fitting, PSW Isolator Ring (Onyx Valve Company PSW-2.5-SS).....	1,250.13	156.45
46 82 83 00-0089 EA 3", 316 Stainless Steel Center Section, Silicone Filled End Plates And Stinger Fitting, PSW Isolator Ring (Onyx Valve Company PSW-3-SS).....	1,294.81	176.01
46 82 83 00-0090 EA 4", 316 Stainless Steel Center Section, Silicone Filled End Plates And Stinger Fitting, PSW Isolator Ring (Onyx Valve Company PSW-4-SS).....	1,750.73	260.75
46 82 83 00-0091 EA 6", 316 Stainless Steel Center Section, Silicone Filled End Plates And Stinger Fitting, PSW Isolator Ring (Onyx Valve Company PSW-6-SS).....	2,827.71	358.37
46 82 83 00-0092 EA 8", 316 Stainless Steel Center Section, Silicone Filled End Plates And Stinger Fitting, PSW Isolator Ring (Onyx Valve Company PSW-8-SS).....	4,014.95	537.55
46 82 83 00-0093 EA 2", Epoxy Coated Carbon Center Section, Silicone Filled Acetal End Plates And Brass Stinger Fitting, PSW Isolator Ring (Onyx Valve Company PSW-2-C).....	729.60	56.65
46 82 83 00-0094 EA 2-1/2", Epoxy Coated Carbon Center Section, Silicone Filled Acetal End Plates And Brass Stinger Fitting, PSW Isolator Ring (Onyx Valve Company PSW-2.5-C).....	844.67	156.45
46 82 83 00-0095 EA 3", Epoxy Coated Carbon Center Section, Silicone Filled Acetal End Plates And Brass Stinger Fitting, PSW Isolator Ring (Onyx Valve Company PSW-3-C).....	889.35	176.01
46 82 83 00-0096 EA 4", Epoxy Coated Carbon Center Section, Silicone Filled Acetal End Plates And Brass Stinger Fitting, PSW Isolator Ring (Onyx Valve Company PSW-4-C).....	1,068.76	260.75
46 82 83 00-0097 EA 6", Epoxy Coated Carbon Center Section, Silicone Filled Acetal End Plates And Brass Stinger Fitting, PSW Isolator Ring (Onyx Valve Company PSW-6-C).....	1,511.85	358.37
46 82 83 00-0098 EA 8", Epoxy Coated Carbon Center Section, Silicone Filled Acetal End Plates And Brass Stinger Fitting, PSW Isolator Ring (Onyx Valve Company PSW-8-C).....	2,181.06	537.55
46 82 83 00-0099 Flow Equipment And Instrumentation <small>(46 82 83 00-0001)</small>		
46 82 83 00-0100 Flow Equipment (ABB) <small>(46 82 83 00-0099)</small>		



**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0101			<b>Magnetic Flowmeters, Flanged, Stainless Steel Electrodes</b> <small>(46 82 83 00-0100)</small> Note: Raw sewage application, polyurethane liner, stainless steel grounding rings, with remote transmitter. Model ABB instrumentation primary model #MFF and transmitter model #MFE		
46 82 83 00-0102	EA		12" Magnetic Flowmeter, ABB Instrumentation Primary Model #MFF And Transmitter Model #MFE.....	6,053.50	245.65
46 82 83 00-0103	EA		14" Magnetic Flowmeter, ABB Instrumentation Primary Model #MFF And Transmitter Model #MFE.....	6,815.13	289.01
46 82 83 00-0104	EA		16" Magnetic Flowmeter, ABB Instrumentation Primary Model #MFF And Transmitter Model #MFE.....	8,745.64	346.75
46 82 83 00-0105	EA		18" Magnetic Flowmeter, ABB Instrumentation Primary Model #MFF And Transmitter Model #MFE.....	9,677.53	362.70
46 82 83 00-0106	EA		20" Magnetic Flowmeter, ABB Instrumentation Primary Model #MFF And Transmitter Model #MFE.....	11,115.45	397.44
46 82 83 00-0107	EA		24" Magnetic Flowmeter, ABB Instrumentation Primary Model #MFF And Transmitter Model #MFE.....	13,422.86	488.88
46 82 83 00-0108	EA		30" Magnetic Flowmeter, ABB Instrumentation Primary Model #MFF And Transmitter Model #MFE.....	29,521.62	780.49
46 82 83 00-0109	EA		36" Magnetic Flowmeter, ABB Instrumentation Primary Model #MFF And Transmitter Model #MFE.....	32,648.25	1,560.97
46 82 83 00-0110	EA		42" Magnetic Flowmeter, ABB Instrumentation Primary Model #MFF And Transmitter Model #MFE.....	40,391.00	1,815.99
46 82 83 00-0111	EA		48" Magnetic Flowmeter, ABB Instrumentation Primary Model #MFF And Transmitter Model #MFE.....	46,524.22	1,964.13
46 82 83 00-0112	EA		54" Magnetic Flowmeter, ABB Instrumentation Primary Model #MFF And Transmitter Model #MFE.....	85,245.39	2,309.38
46 82 83 00-0113			<b>Magnetic Flowmeters, Hastelloy-C Electrodes SST Grounding Rings</b> <small>(46 82 83 00-0100)</small> Note: Flanged, corrosive liquids application, Teflon liner, with remote transmitter. Model: ABB instrumentation primary model FEP325 and FET325 secondary		
46 82 83 00-0114	EA		1" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325025A1D4A1B0A1C2P2B0Y1AJA And Secondary Model #FET3251COP1B3B1 .....	3,518.78	23.80
46 82 83 00-0115	EA		1-1/2" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325040A1D4A1B0A1C2P2B0Y1AJA And Secondary Model #FET3251COP1B3B1 .....	3,647.25	30.97
46 82 83 00-0116	EA		2" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325050A1D4A1B0A1C2P2B0Y1AJA And Secondary Model #FET3251COP1B3B1 .....	3,710.87	47.26
46 82 83 00-0117	EA		3" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325080A1D4A1B0A1C2P2B0Y1AJA And Secondary Model #FET3251COP1B3B1 .....	3,862.28	73.34
46 82 83 00-0118	EA		4" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325100A1D4A1B0A1C2P2B0Y1AJA And Secondary Model #FET3251COP1B3B1 .....	4,330.12	119.62
46 82 83 00-0119	EA		6" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325150A1D4A1B0A1C2P2B0Y1AJA And Secondary Model #FET3251COP1B3B1 .....	4,950.22	130.38
46 82 83 00-0120	EA		8" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325200A1D4A1B0A1C2P2B0Y1AJA And Secondary Model #FET3251COP1B3B1 .....	5,980.00	195.56
46 82 83 00-0121	EA		10" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325250A1D4A1B0A1C2P2B0Y1AJA And Secondary Model #FET3251COP1B3B1 .....	7,831.61	228.09
46 82 83 00-0122	EA		12" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325300A1D4A1B0A1C2P2B0Y1AJA And Secondary Model #FET3251COP1B3B1 .....	10,760.98	276.99
46 82 83 00-0123			<b>Magnetic Flowmeters, Flanged, Tezfel Liner</b> <small>(46 82 83 00-0100)</small> Note: Sludge flows (primary, thickness digester), stainless steel grounding rings, with remote transmitter. Model: ABB instrumentation primary model #FEP325 and secondary model #FEP325		
46 82 83 00-0124	EA		4" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325100F1S3A1B0A1C2P2B0Y1AJAF6M5 And Secondary Model #FET3251COP1B3B1 .....	4,683.77	105.20
46 82 83 00-0125	EA		6" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325150F1S3A1B0A1C2P2B0Y1AJAF6M5 And Secondary Model #FET3251COP1B3B1 .....	5,295.09	115.60
46 82 83 00-0126	EA		8" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325200F1S3A1B0A1C2P2B0Y1AJAF6M5 And Secondary Model #FET3251COP1B3B1 .....	6,491.60	173.41
46 82 83 00-0127	EA		10" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325250F1S3A1B0A1C2P2B0Y1AJAF6M5 And Secondary Model #FET3251COP1B3B1 .....	8,966.68	202.31
46 82 83 00-0128	EA		12" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325300F1S3A1B0A1C2P2B0Y1AJAF6M5 And Secondary Model #FET3251COP1B3B1 .....	12,712.79	245.65
46 82 83 00-0129			<b>Flow Equipment (Ameritrol)</b> <small>(46 82 83 00-0099)</small>		
46 82 83 00-0130			<b>Flow Switches</b> <small>(46 82 83 00-0129)</small>		
46 82 83 00-0131	EA		Electronic Flow Switch, 1" MNPT Process Connection, 1.8" Probe Length, 120 VAC Power Input, SPDT Relay Output, Process Temperatures To 350F, NEMA 4X Enclosure (Ameritrol FX-1000-AD) .....	929.19	16.30
46 82 83 00-0132			<b>Flow Equipment (CiDRA)</b> <small>(46 82 83 00-0099)</small>		
46 82 83 00-0133			<b>Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus</b> <small>(46 82 83 00-0132)</small>		
46 82 83 00-0134	EA		2" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E02-05-5-01-6A-01A-12-02-01-EN) .....	12,052.73	73.51
46 82 83 00-0135	EA		3" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E03-05-5-01-6A-01A-12-02-01-EN) .....	12,071.11	78.11
46 82 83 00-0136	EA		4" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E04-05-5-01-6A-01A-12-02-01-EN) .....	12,090.67	82.99
46 82 83 00-0137	EA		6" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E06-05-5-01-6A-01A-12-02-01-EN) .....	13,352.43	88.18
46 82 83 00-0138	EA		8" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E08-05-5-01-6A-01A-12-02-01-EN) .....	13,821.53	93.69
46 82 83 00-0139	EA		10" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E10-05-5-01-6A-01A-12-02-01-EN) .....	14,763.38	99.56
46 82 83 00-0140	EA		12" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E12-05-5-01-6A-01A-12-02-01-EN) .....	15,627.60	105.78
46 82 83 00-0141	EA		14" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E14-05-5-01-6A-01A-12-02-01-EN) .....	17,563.58	112.40



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0142 EA 16" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E16-05-5-01-6A-01A-12-02-01-EN).....	19,501.18	119.42
46 82 83 00-0143 EA 18" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E18-05-5-01-6A-01A-12-02-01-EN).....	22,438.02	126.89
46 82 83 00-0144 EA 20" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E20-05-5-01-6A-01A-12-02-01-EN).....	24,720.92	134.82
46 82 83 00-0145 EA 22" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E22-05-5-01-6A-01A-12-02-01-EN).....	26,095.86	143.27
46 82 83 00-0146 EA 24" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E24-05-5-01-6A-01A-12-02-01-EN).....	27,319.97	152.21
46 82 83 00-0147 EA 26" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E26-05-5-01-6A-01A-12-02-01-EN).....	28,605.40	161.73
46 82 83 00-0148 EA 28" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E28-05-5-01-6A-01A-12-02-01-EN).....	29,872.11	171.84
46 82 83 00-0149 EA 30" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E30-05-5-01-6A-01A-12-02-01-EN).....	30,982.09	182.57
46 82 83 00-0150 EA 32" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E32-05-5-01-14-01A-12-02-01-EN).....	35,996.07	193.99
46 82 83 00-0151 EA 34" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E34-05-5-01-14-01A-12-02-01-EN).....	37,014.64	206.12
46 82 83 00-0152 EA 36" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E36-05-5-01-14-01A-12-02-01-EN).....	39,103.27	219.00
46 82 83 00-0153 EA 40" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E40-05-5-14-14-01A-12-02-01-EN).....	45,615.19	232.70
46 82 83 00-0154 EA 42" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E42-05-5-14-14-01A-12-02-01-EN).....	48,807.01	247.23
46 82 83 00-0155 EA 48" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E48-05-5-14-14-01A-12-02-01-EN).....	53,705.38	262.69
46 82 83 00-0156 EA 54" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E54-05-5-14-14-01A-12-02-01-EN).....	60,390.55	279.09
46 82 83 00-0157 EA 60" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E60-05-5-14-14-01A-12-02-01-EN).....	68,456.89	296.54
<b>46 82 83 00-0158 Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus</b> <small>(46 82 83 00-0132)</small>		
46 82 83 00-0159 EA 3" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-100-05-5-01-6A-01A-12-02-01-EN).....	12,071.11	78.11
46 82 83 00-0160 EA 4" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-122-05-5-01-6A-01A-12-02-01-EN).....	13,331.70	82.99
46 82 83 00-0161 EA 6" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-175-05-5-01-6A-01A-12-02-01-EN).....	13,799.49	88.18
46 82 83 00-0162 EA 8" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-228-05-5-01-6A-01A-12-02-01-EN).....	14,739.92	93.69
46 82 83 00-0163 EA 10" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-280-05-5-01-6A-01A-12-02-01-EN).....	15,602.68	99.56
46 82 83 00-0164 EA 12" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-335-05-5-01-6A-01A-12-02-01-EN).....	17,537.12	105.78
46 82 83 00-0165 EA 14" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-388-05-5-01-6A-01A-12-02-01-EN).....	19,473.09	112.40
46 82 83 00-0166 EA 16" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-439-05-5-01-6A-01A-12-02-01-EN).....	22,408.17	119.42
46 82 83 00-0167 EA 18" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-494-05-5-01-6A-01A-12-02-01-EN).....	24,689.16	126.89
46 82 83 00-0168 EA 20" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-547-05-5-01-6A-01A-12-02-01-EN).....	26,062.12	134.82
46 82 83 00-0169 EA 24" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-652-05-5-01-6A-01A-12-02-01-EN).....	28,567.32	152.21
46 82 83 00-0170 EA 30" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E32-05-5-01-14-01A-12-02-01-EN).....	35,950.42	182.57
46 82 83 00-0171 EA 36" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-999-05-5-14-14-01A-12-02-01-EN).....	45,560.42	219.00
46 82 83 00-0172 EA 42" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-J31-05-5-14-14-01A-12-02-01-EN).....	53,643.55	247.23
46 82 83 00-0173 EA 48" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-K91-05-5-14-14-01A-12-02-01-EN).....	60,324.90	262.69
46 82 83 00-0174 EA 54" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-N61-05-5-14-14-01A-12-02-01-EN).....	68,387.12	279.09
46 82 83 00-0175 EA 60" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-P63-05-5-14-14-01A-12-02-01-EN).....	71,050.71	296.54
<b>46 82 83 00-0176 Transmitter Interconnect Cable</b> <small>(46 82 83 00-0132)</small>		
46 82 83 00-0177 EA 25' Transmitter Interconnect Cable (CiDRA CA-10-0025).....	458.52	9.19
46 82 83 00-0178 EA 50' Transmitter Interconnect Cable (CiDRA CA-10-0050).....	523.74	18.38
46 82 83 00-0179 EA 75' Transmitter Interconnect Cable (CiDRA CA-10-0075).....	683.86	27.57
46 82 83 00-0180 EA 100' Transmitter Interconnect Cable (CiDRA CA-10-0100).....	845.04	36.76
46 82 83 00-0181 EA 125' Transmitter Interconnect Cable (CiDRA CA-10-0125).....	1,023.09	45.95
46 82 83 00-0182 EA 150' Transmitter Interconnect Cable (CiDRA CA-10-0150).....	1,138.93	55.13
46 82 83 00-0183 EA 175' Transmitter Interconnect Cable (CiDRA CA-10-0175).....	1,286.39	64.32
46 82 83 00-0184 EA 200' Transmitter Interconnect Cable (CiDRA CA-10-0200).....	1,402.23	73.51
46 82 83 00-0185 EA 225' Transmitter Interconnect Cable (CiDRA CA-10-0225).....	1,520.18	82.70
46 82 83 00-0186 EA 250' Transmitter Interconnect Cable (CiDRA CA-10-0250).....	1,632.85	91.89

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0187	EA		275' Transmitter Interconnect Cable (CiDRA CA-10-0275).....	1,750.80	101.08
46 82 83 00-0188	EA		300' Transmitter Interconnect Cable (CiDRA CA-10-0300).....	1,863.48	110.27
46 82 83 00-0189	EA		350' Transmitter Interconnect Cable (CiDRA CA-10-0350).....	1,976.15	119.46
<b>46 82 83 00-0190</b>			<b>Flow Equipment (Controlotron) (46 82 83 00-0099)</b>		
<b>46 82 83 00-0191</b>			<b>Transducer (46 82 83 00-0190)</b>		
46 82 83 00-0192	EA		Spectra Transducer, Portable NEMA 4X. Model Controlotron #191-P-S.....	1,198.94	24.44
			<i>For Mounting Track, Single Mount, Add</i>	100.00	
			<i>For Mounting Track, Double Mount, Add</i>	175.00	
			<i>For Carry Case Kit, Add</i>	150.00	
46 82 83 00-0193	EA		Spectra Transducer, NEMA 4X, Mounting Gear Excluded. Model: Controlotron #191-N-S.....	750.63	24.44
			<i>For Mounting Track, Single Mount, Add</i>	100.00	
			<i>For Mounting Track, Double Mount, Add</i>	175.00	
			<i>For Mounting Strap Kit For Mounting On Pipes 12"-36", Add</i>	25.00	
			<i>For Mounting Strap Kit For Mounting On Pipes 36"-72", Add</i>	30.00	
46 82 83 00-0194	EA		Spectra Transducer, NEMA 4X. Mounting Gear Excluded, Corrosive Resistant. Model: Controlotron #191-N-SC.....	1,335.40	24.44
			<i>For Corrosive Resistant Mounting Track, Single Mount, Add</i>	160.00	
			<i>For Corrosive Resistant Mounting Track, Double Mount, Add</i>	280.00	
			<i>For Mounting Strap Kit For Mounting On Pipes 12"-36", Add</i>	25.00	
			<i>For Mounting Strap Kit For Mounting On Pipes 36"-72", Add</i>	30.00	
46 82 83 00-0195	EA		Spectra Transducer, NEMA 4X. Mounting Gear Included. Model: Controlotron #191-N1-S.....	750.63	24.44
46 82 83 00-0196	EA		Spectra Transducer, NEMA 4X. Mounting Gear Included, Corrosive Resistant. Model: #191-N1-SC.....	1,335.40	24.44
<b>46 82 83 00-0197</b>			<b>Transducer Cable (46 82 83 00-0190)</b>		
			Note: Same for transit time/doppler all explosion proof pricing is the same, they add a bead of silicone at the end, different model #, same price		
46 82 83 00-0198	EA		Spectra Transducer Cable, Portable Type. Model: Controlotron #192C-P-S.....	159.53	0.37
			<i>For Each Additional LF Of Cable, Add</i>	1.50	
46 82 83 00-0199	EA		Spectra Transducer Cable, NEMA 4. Model: Controlotron #192C-N-S.....	159.53	0.37
46 82 83 00-0200	EA		Spectra Transducer Cable, NEMA 4/Portable Type. Model: Controlotron #192C-NP-S.....	159.53	0.37
<b>46 82 83 00-0201</b>			<b>Flow Computer (46 82 83 00-0190)</b>		
46 82 83 00-0202	EA		Spectra D45 Doppler Flow Computer, NEMA 4X, Digital Graphics, RS232 Output. Model: Controlotron #194-N-D-S-2.....	4,631.20	73.51
			<i>For Factory Site Set-up, Add</i>	100.00	
			<i>For Hand Held Terminal For Use With Flow Computer, Add</i>	850.00	
			<i>For Power Adapter/Battery Charger For Handheld Terminal, Add</i>	65.00	
			<i>For I/O Converter Module, Add</i>	490.00	
46 82 83 00-0203	EA		Spectra Doppler Flow Computer, NEMA 7, Digital Graphics, RS232 Output. Model: Controlotron #194-X-D-S-2.....	7,971.29	73.51
			<i>For Factory Site Set-up, Add</i>	100.00	
			<i>For Hand Held Terminal For Use With Flow Computer, Add</i>	850.00	
			<i>For Power Adapter/Battery Charger For Handheld Terminal, Add</i>	65.00	
			<i>For I/O Converter Module, Add</i>	490.00	
<b>46 82 83 00-0204</b>			<b>Remote Digital Display (46 82 83 00-0190)</b>		
46 82 83 00-0205	EA		Spectra Remote Digital Display For Flow Computer, NEMA 4X. Model: Controlotron #996D-D-N-S.....	719.09	18.38
<b>46 82 83 00-0206</b>			<b>Transit Time Flowmeter Equipment (46 82 83 00-0190)</b>		
46 82 83 00-0207	EA		Single Channel Transit Time Flowmeter, NEMA 7X. Model: Controlotron #1010X1.....	5,515.70	147.03
			<i>For Transducer And Mounting Set, Add</i>	1,445.00	
			<i>For Dedicated Transducer Cable Assembly, Add</i>	50.00	
46 82 83 00-0208	EA		Double Channel Transit Time Flowmeter, NEMA 7X. Model: Controlotron #1010X1S2.....	7,200.10	147.03
			<i>For Transducer And Mounting Set, Add</i>	1,445.00	
			<i>For Dedicated Transducer Cable Assembly, Add</i>	50.00	
<b>46 82 83 00-0209</b>			<b>Flow Equipment (Eldridge) (46 82 83 00-0099)</b>		
<b>46 82 83 00-0210</b>			<b>Insertion MP Series Flowmeters (46 82 83 00-0209)</b>		



<b>Water And Wastewater Equipment</b>	<b>46</b>	<b>46</b>
Water Treatment Equipment	46 80	
General Water Treatment Equipment	46 82	

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MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

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## 46 Water And Wastewater Equipment

## 46 80 Water Treatment Equipment

## 46 82 General Water Treatment Equipment

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

46 82 83 00-0211	EA	1/2" Outside Diameter Probe, 0-5 VDC, 4-20mA Outputs, RS485 Modbus RTU, Insertion Flowmeter With Integral Electronics (Eldridge 8840MP-SSS-133).....	2,983.53	22.54
		Note: • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C • Accuracy including linearity (Ref.: 21°C): ± (1% of Reading + 0.5% of Full Scale + GTC) • Repeatability ± 0.2% of Full Scale • Turn down ratio 100:1 @ 15 SFPM (.076 NMS) Minimum Reading • Ambient electronics temperature range -40° to 158°F (-40° to 50°C) • Gas temperature range -40° to 392°F (-40° to 200°C) • EPICom Windows based communication software (RS232, RS485 or USB) • EPI-Val Field Calibration Validation • INTEGRAL Electronics; 2-line 16 character display & 4-button keypad; Output 4-20mA, 0-5VDC(2nd 4-20mA available); RS232 & RS485 Modbus RTU; Probe 1/2" OD • REMOTE Flow Indicator Transmitter (FT/FIT) - Remote Enclosure (10" x 8"); with 2-line 16 character LCD display & 4-button keypad; Output 4-20mA, 0-5VDC(2nd 4-20mA available), two 1-amp @ 30 VDC Relays, user selectable alarm functions; Signal Interface - RS232 & RS485 Modbus RTU; For use in Ordinary Locations ONLY; (Provide required "Cable Length" option upon order. \$2/ft 10ft standard) 24 VDC (Standard) Gas Temperature Maximum (77°F / 25°C) Gas Temperature Maximum (150°F / 50°C)		
		For Enclosure Type DCEX, Add	322.41	
		Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX Double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; two 1-amp @ 30 VDC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);		
		For Enclosure Type ACEX, Add	322.41	
		Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX Double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);		
		For Sensor Type SSH, Add	1,961.76	
		Note: Available for insertion meters only Available for AIR, Stack/Exhaust gas only (Consult factory if other) 316 Stainless Steel High Temperature -400 to 800°F (Insertion probe limited to 3/4", 1" diameter) ** Non-certified product, No Approvals **		
		For Sensor Type HAS, Add	2,163.94	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display Type 133, Add	163.94	
		Note: Display and Keypad - Flow Indicator Transmitter (FIT)		
		For Power Option AC115 (115 VAC), Add	202.19	
		For Power Optin AC230 (230 VAC), Add	202.19	
		For 6" Probe, Add	10.93	
		For 12" 316L Stainless Steel Probe, Add	21.86	
		For 18" 316L Stainless Steel Probe, Add	43.72	
		For 24" 316L Stainless Steel Probe, Add	65.57	
		For 36" 316L Stainless Steel Probe, Add	87.43	
		Note: Max length for 1/2" probes		
		For Option MW075, Gas Temperature Maximum (167°F / 75°C), Add	65.57	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW100, Gas Temperature Maximum (212°F / 100°C), Add	237.16	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW125, Gas Temperature Maximum (257°F / 125°C), Add	409.84	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW150, Gas Temperature Maximum (302°F / 150°C), Add	581.42	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW175, Gas Temperature Maximum (347°F / 175°C), Add	754.10	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW200, Gas Temperature Maximum (392°F / 200°C), Add	925.69	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Mounting Type FBL1502, Add	125.68	
		Note: 1/2" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
		For Mounting Type FBL1503, Add	136.61	
		Note: 3/4" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
		For Mounting Type FBL1504, Add	147.54	
		Note: 1" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
		For Mounting Type FBL1505, Add	163.94	
		Note: 1-1/4" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
		For Mounting Type FBL1506, Add	180.33	
		Note: 1-1/2" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
		For Mounting Type FBL1508, Add	213.12	
		Note: 2" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
		For Mounting Type FBL1510, Add	251.37	
		Note: 2-1/2" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
		For Mounting Type FBL1512, Add	295.08	
		Note: 3" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
		For Mounting Type FBL1516, Add	426.23	
		Note: 4" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
		For Mounting Type FBL3002, Add	169.40	
		Note: 1/2" Flange; 300# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
		For Mounting Type FBL3003, Add	185.79	
		Note: 3/4" Flange; 300# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
		For Mounting Type FBL3004, Add	202.19	
		Note: 1" Flange; 300# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		



<b>Water And Wastewater Equipment</b>	<b>46</b>	<b>46</b>
Water Treatment Equipment	46 80	
General Water Treatment Equipment	46 82	

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MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM	UNIT COST	UNIT COST

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**46 Water And Wastewater Equipment**

**46 80 Water Treatment Equipment**

**46 82 General Water Treatment Equipment**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0212 EA 3/4" Outside Diameter Probe, 0-5 VDC, 4-20mA Outputs, RS485 Modbus RTU, Insertion Flowmeter With Integral Electronics (Eldridge 8860MP-SSS-133).....	3,251.62	30.53
Note: • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C • ENCLASURE: (Select Remote enclosure type: REM, ACEX, DCEX) • Accuracy including linearity (Ref.: 21°C): ± (1% of Reading + 0.5% of Full Scale + GTC) • Repeatability ± 0.2% of Full Scale • Turn down ratio 100:1 @ 15 SFPM (.076 NMS) Minimum Reading • Ambient electronics temperature range -40° to 158°F (-40° to 50°C) • Gas temperature range -40° to 392°F (-40° to 200°C) • EPICOM Windows based communication software (RS232, RS485 or USB) • EPI-Val Field Calibration Validation • INTEGRAL Electronics; 2-line 16 character display & 4-button keypad; Output 4-20mA, 0-5VDC(2nd 4-20mA available); RS232 & RS485 Modbus RTU; Probe 1/2" OD • REMOTE Flow Indicator Transmitter (FT/FIT) - Remote Enclosure (10" x 8"); with 2-line 16 character LCD display & 4-button keypad; Output 4-20mA, 0-5VDC(2nd 4-20mA available), two 1-amp @ 30 VDC Relays, user selectable alarm functions; Signal Interface - RS232 & RS485 Modbus RTU; For use in Ordinary Locations ONLY; (Provide required "Cable Length" option upon order. \$2/ft 10ft standard) 24 VDC (Standard) Gas Temperature Maximum (77°F / 25°C) Gas Temperature Maximum (150°F / 50°C)		
For Enclosure Type DCEX, Add	322.41	
Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX Double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; two 1-amp @ 30 VDC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);		
For Enclosure Type ACEX, Add	322.41	
Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX Double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);		
For Sensor Type SSH, Add	1,961.76	
Note: Available for insertion meters only Available for AIR, Stack/Exhaust gas only (Consult factory if other) 316 Stainless Steel High Temperature -400 to 800° F (Insertion probe limited to 3/4", 1" diameter) ** Non-certified product, No Approvals **		
For Sensor Type HAS, Add	2,163.94	
Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
For Display Type 133, Add	163.94	
Note: Display and Keypad - Flow Indicator Transmitter (FIT)		
For Power Option AC115 (115 VAC), Add	202.19	
For Power Option AC230 (230 VAC), Add	202.19	
For 6" Probe, Add	10.93	
For 12" 316L Stainless Steel Probe, Add	21.86	
For 18" 316L Stainless Steel Probe, Add	43.72	
For 24" 316L Stainless Steel Probe, Add	65.57	
For 36" 316L Stainless Steel Probe, Add	87.43	
Note: Max length for 1/2" probes		
For 48" 316L Stainless Steel Probe, Add	109.29	
Note: 3/4" and 1" OD only		
For 60" 316L Stainless Steel Probe, Add	131.15	
Note: 3/4" and 1" OD only		
For Option MW075, Gas Temperature Maximum (167°F / 75°C), Add	65.57	
Note: AIR, Stack/Exhaust gas only. Consult factory if other		
For Option MW100, Gas Temperature Maximum (212°F / 100°C), Add	237.16	
Note: AIR, Stack/Exhaust gas only. Consult factory if other		
For Option MW125, Gas Temperature Maximum (257°F / 125°C), Add	409.84	
Note: AIR, Stack/Exhaust gas only. Consult factory if other		
For Option MW150, Gas Temperature Maximum (302°F / 150°C), Add	581.42	
Note: AIR, Stack/Exhaust gas only. Consult factory if other		
For Option MW175, Gas Temperature Maximum (347°F / 175°C), Add	754.10	
Note: AIR, Stack/Exhaust gas only. Consult factory if other		
For Option MW200, Gas Temperature Maximum (392°F / 200°C), Add	925.69	
Note: AIR, Stack/Exhaust gas only. Consult factory if other		
For Mounting Type FBL1502, Add	125.68	
Note: 1/2" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
For Mounting Type FBL1503, Add	136.61	
Note: 3/4" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
For Mounting Type FBL1504, Add	147.54	
Note: 1" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
For Mounting Type FBL1505, Add	163.94	
Note: 1-1/4" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
For Mounting Type FBL1506, Add	180.33	
Note: 1-1/2" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
For Mounting Type FBL1508, Add	213.12	
Note: 2" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
For Mounting Type FBL1510, Add	251.37	
Note: 2-1/2" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
For Mounting Type FBL1512, Add	295.08	
Note: 3" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
For Mounting Type FBL1516, Add	426.23	
Note: 4" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
For Mounting Type FBL3002, Add	495.70	
Note: 1/2" Flange; 300# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
For Mounting Type FBL3003, Add	495.70	
Note: 1/2" Flange; 300# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		



<b>Water And Wastewater Equipment</b>	<b>46</b>	<b>46</b>
Water Treatment Equipment	46 80	
General Water Treatment Equipment	46 82	

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MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

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## 46 Water And Wastewater Equipment

## 46 80 Water Treatment Equipment

## 46 82 General Water Treatment Equipment

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

46 82 83 00-0213	EA	1" Outside Diameter Probe, 0-5 VDC, 4-20mA Outputs, RS485 Modbus RTU, Insertion Flowmeter With Integral Electronics (Eldridge 8880MP-SSS-133).....	3,517.17	34.90
		Note: • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C • Accuracy including linearity (Ref.: 21°C): ± (1% of Reading + 0.5% of Full Scale + GTC) • Repeatability ± 0.2% of Full Scale • Turn down ratio 100:1 @ 15 SFCM (.076 NMS) Minimum Reading • Ambient electronics temperature range -40° to 158°F (-40° to 50°C) • Gas temperature range -40° to 392°F (-40° to 200°C) • EPICom Windows based communication software (RS232, RS485 or USB) • EPI-Val Field Calibration Validation • INTEGRAL Electronics; 2-line 16 character display & 4-button keypad; Output 4-20mA, 0-5VDC(2nd 4-20mA available); RS232 & RS485 Modbus RTU; Probe 1/2" OD • REMOTE Flow Indicator Transmitter (FT/FIT) - Remote Enclosure (10" x 8"); with 2-line 16 character LCD display & 4-button keypad; Output 4-20mA, 0-5VDC(2nd 4-20mA available), two 1-amp @ 30 VDC Relays, user selectable alarm functions; Signal Interface - RS232 & RS485 Modbus RTU; For use in Ordinary Locations ONLY; (Provide required "Cable Length" option upon order. \$2/ft 10ft standard) 24 VDC (Standard) Gas Temperature Maximum (77°F / 25°C) Gas Temperature Maximum (150°F / 50°C)		
		For Enclosure Type DCEX, Add	322.41	
		Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX Double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; two 1-amp @ 30 VDC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);		
		For Enclosure Type ACEX, Add	322.41	
		Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX Double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);		
		For Sensor Type SSH, Add	1,961.76	
		Note: Available for insertion meters only Available for AIR, Stack/Exhaust gas only (Consult factory if other) 316 Stainless Steel High Temperature -400 to 800°F (Insertion probe limited to 3/4", 1" diameter) ** Non-certified product, No Approvals **		
		For Sensor Type HAS, Add	2,163.94	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display Type 133, Add	163.94	
		Note: Display and Keypad - Flow Indicator Transmitter (FIT)		
		For Power Option AC115 (115 VAC), Add	202.19	
		For Power Option AC230 (230 VAC), Add	202.19	
		For 6" Probe, Add	10.93	
		For 12" 316L Stainless Steel Probe, Add	21.86	
		For 18" 316L Stainless Steel Probe, Add	43.72	
		For 24" 316L Stainless Steel Probe, Add	65.57	
		For 36" 316L Stainless Steel Probe, Add	87.43	
		Note: Max length for 1/2" probes		
		For 48" 316L Stainless Steel Probe, Add	109.29	
		Note: 3/4" and 1" OD only		
		For 60" 316L Stainless Steel Probe, Add	131.15	
		Note: 3/4" and 1" OD only		
		For 72" 316L Stainless Steel Probe, Add	153.01	
		Note: 1" OD only		
		For 84" 316L Stainless Steel Probe, Add	174.86	
		Note: 1" OD only		
		For Option MW075, Gas Temperature Maximum (167°F / 75°C), Add	65.57	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW100, Gas Temperature Maximum (212°F / 100°C), Add	237.16	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW125, Gas Temperature Maximum (257°F / 125°C), Add	409.84	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW150, Gas Temperature Maximum (302°F / 150°C), Add	581.42	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW175, Gas Temperature Maximum (347°F / 175°C), Add	754.10	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW200, Gas Temperature Maximum (392°F / 200°C), Add	925.69	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Mounting Type FBL1502, Add	125.68	
		Note: 1/2" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
		For Mounting Type FBL1503, Add	136.61	
		Note: 3/4" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
		For Mounting Type FBL1504, Add	147.54	
		Note: 1" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
		For Mounting Type FBL1505, Add	163.94	
		Note: 1-1/4" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
		For Mounting Type FBL1506, Add	180.33	
		Note: 1-1/2" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
		For Mounting Type FBL1508, Add	213.12	
		Note: 2" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
		For Mounting Type FBL1510, Add	251.37	
		Note: 2-1/2" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
		For Mounting Type FBL1512, Add	295.08	
		Note: 3" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
		For Mounting Type FBL1516, Add	466.33	
		Note: 4" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
		For Mounting Type FBL2000, Add	466.33	
		Note: 4" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		



<b>Water And Wastewater Equipment</b>	<b>46</b>	<b>46</b>
Water Treatment Equipment	46 80	
General Water Treatment Equipment	46 82	

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MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

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## 46 Water And Wastewater Equipment

## 46 80 Water Treatment Equipment

## 46 82 General Water Treatment Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0214	EA		1/2" Outside Diameter Probe, 0-5 VDC, 4-20mA Outputs, RS485 Modbus RTU, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT), Insertion Flowmeter With Remote Electronics (Eldridge 8240MP-SSS-133)	3,475.34	22.54
			Note: • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C • ENCLOSURE: (Select Remote enclosure type: REM, ACEX, DCEX) • Accuracy including linearity (Ref.: 21°C): ± (1% of Reading + 0.5% of Full Scale + GTC) • Repeatability ± 0.2% of Full Scale • Turn down ratio 100:1 @ 15 SFPM (.076 NMS) Minimum Reading • Ambient electronics temperature range -40° to 158°F (-40° to 50°C) • Gas temperature range -40° to 392°F (-40° to 200°C) • EPICom Windows based communication software (RS232, RS485 or USB) • EPI-Val Field Calibration Validation • INTEGRAL Electronics; 2-line 16 character display & 4-button keypad; Output 4-20mA, 0-5VDC(2nd 4-20mA available); RS232 & RS485 Modbus RTU; Probe 1/2" OD • REMOTE Flow Indicator Transmitter (FT/FIT) - Remote Enclosure (10" x 8"); with 2-line 16 character LCD display & 4-button keypad; Output 4-20mA, 0-5VDC(2nd 4-20mA available), two 1-amp @ 30 VDC Relays, user selectable alarm functions; Signal Interface - RS232 & RS485 Modbus RTU; For use in Ordinary Locations ONLY; (Provide required "Cable Length" option upon order. \$2/ft 10ft standard) 24 VDC (Standard) Gas Temperature Maximum (77°F / 25°C) Gas Temperature Maximum (150°F / 50°C)		
			For Enclosure Type DCEX, Add	322.41	
			Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX Double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; two 1-amp @ 30 VDC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);		
			For Enclosure Type ACEX, Add	322.41	
			Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX Double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);		
			For Sensor Type SSH, Add	1,961.76	
			Note: Available for insertion meters only Available for AIR, Stack/Exhaust gas only (Consult factory if other) 316 Stainless Steel High Temperature -400 to 800°F (Insertion probe limited to 3/4", 1" diameter) ** Non-certified product, No Approvals **		
			For Sensor Type HAS, Add	2,163.94	
			Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
			For Display Type 133, Add	163.94	
			Note: Display and Keypad - Flow Indicator Transmitter (FIT)		
			For Power Option AC115 (115 VAC), Add	202.19	
			For Power Option AC230 (230 VAC), Add	202.19	
			For 6" Probe, Add	10.93	
			For 12" 316L Stainless Steel Probe, Add	21.86	
			For 18" 316L Stainless Steel Probe, Add	43.72	
			For 24" 316L Stainless Steel Probe, Add	65.57	
			For 36" 316L Stainless Steel Probe, Add	87.43	
			Note: Max length for 1/2" probes		
			For Option MW075, Gas Temperature Maximum (167°F / 75°C), Add	65.57	
			Note: AIR, Stack/Exhaust gas only. Consult factory if other		
			For Option MW100, Gas Temperature Maximum (212°F / 100°C), Add	237.16	
			Note: AIR, Stack/Exhaust gas only. Consult factory if other		
			For Option MW125, Gas Temperature Maximum (257°F / 125°C), Add	409.84	
			Note: AIR, Stack/Exhaust gas only. Consult factory if other		
			For Option MW150, Gas Temperature Maximum (302°F / 150°C), Add	581.42	
			Note: AIR, Stack/Exhaust gas only. Consult factory if other		
			For Option MW175, Gas Temperature Maximum (347°F / 175°C), Add	754.10	
			Note: AIR, Stack/Exhaust gas only. Consult factory if other		
			For Option MW200, Gas Temperature Maximum (392°F / 200°C), Add	925.69	
			Note: AIR, Stack/Exhaust gas only. Consult factory if other		
			For Mounting Type FBL1502, Add	125.68	
			Note: 1/2" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
			For Mounting Type FBL1503, Add	136.61	
			Note: 3/4" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
			For Mounting Type FBL1504, Add	147.54	
			Note: 1" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
			For Mounting Type FBL1505, Add	163.94	
			Note: 1-1/4" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
			For Mounting Type FBL1506, Add	180.33	
			Note: 1-1/2" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
			For Mounting Type FBL1508, Add	213.12	
			Note: 2" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
			For Mounting Type FBL1510, Add	251.37	
			Note: 2-1/2" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
			For Mounting Type FBL1512, Add	295.08	
			Note: 3" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
			For Mounting Type FBL1516, Add	426.23	
			Note: 4" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
			For Mounting Type FBL3002, Add	169.40	
			Note: 1/2" Flange; 300# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
			For Mounting Type FBL3003, Add	222.40	
			Note: 3/4" Flange; 300# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
			For Mounting Type FBL3004, Add	222.40	
			Note: 1" Flange; 300# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		



<b>Water And Wastewater Equipment</b>	<b>46</b>	<b>46</b>
Water Treatment Equipment	46 80	
General Water Treatment Equipment	46 82	

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MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

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## 46 Water And Wastewater Equipment

## 46 80 Water Treatment Equipment

## 46 82 General Water Treatment Equipment

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

46 82 83 00-0215	EA	3/4" Outside Diameter Probe, 0-5 VDC, 4-20mA Outputs, RS485 Modbus RTU, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT), Insertion Flowmeter With Remote Electronics (Eldridge 8260MP-SSS-133).....	3,743.42	30.53
		Note: • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C • ENCLOSURE: (Select Remote enclosure type: REM, ACEX, DCEX) • Accuracy including linearity (Ref.: 21°C): ± (1% of Reading + 0.5% of Full Scale + GTC) • Repeatability ± 0.2% of Full Scale • Turn down ratio 100:1 @ 15 SFPM (.076 NMS) Minimum Reading • Ambient electronics temperature range -40° to 158°F (-40° to 50°C) • Gas temperature range -40° to 392°F (-40° to 200°C) • EPICom Windows based communication software (RS232, RS485 or USB) • EPI-Val Field Calibration Validation • INTEGRAL Electronics; 2-line 16 character display & 4-button keypad; Output 4-20mA, 0-5VDC(2nd 4-20mA available); RS232 & RS485 Modbus RTU; Probe 1/2" OD • REMOTE Flow Indicator Transmitter (FT/FIT) - Remote Enclosure (10" x 8"); with 2-line 16 character LCD display & 4-button keypad; Output 4-20mA, 0-5VDC(2nd 4-20mA available), two 1-amp @ 30 VDC Relays, user selectable alarm functions; Signal Interface - RS232 & RS485 Modbus RTU; For use in Ordinary Locations ONLY; (Provide required "Cable Length" option upon order. \$2/ft 10ft standard) 24 VDC (Standard) Gas Temperature Maximum (77°F / 25°C) Gas Temperature Maximum (150°F / 50°C)		
		For Enclosure Type DCEX, Add	322.41	
		Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX Double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; two 1-amp @ 30 VDC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);		
		For Enclosure Type ACEX, Add	322.41	
		Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX Double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);		
		For Sensor Type SSH, Add	1,961.76	
		Note: Available for insertion meters only Available for AIR, Stack/Exhaust gas only (Consult factory if other) 316 Stainless Steel High Temperature -400 to 800°F (Insertion probe limited to 3/4", 1" diameter) ** Non-certified product, No Approvals **		
		For Sensor Type HAS, Add	2,163.94	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display Type 133, Add	163.94	
		Note: Display and Keypad - Flow Indicator Transmitter (FIT)		
		For Power Option AC115 (115 VAC), Add	202.19	
		For Power Optin AC230 (230 VAC), Add	202.19	
		For 6" Probe, Add	10.93	
		For 12" 316L Stainless Steel Probe, Add	21.86	
		For 18" 316L Stainless Steel Probe, Add	43.72	
		For 24" 316L Stainless Steel Probe, Add	65.57	
		For 36" 316L Stainless Steel Probe, Add	87.43	
		Note: Max length for 1/2" probes		
		For 48" 316L Stainless Steel Probe, Add	109.29	
		Note: 3/4" and 1" OD only		
		For 60" 316L Stainless Steel Probe, Add	131.15	
		Note: 3/4" and 1" OD only		
		For Option MW075, Gas Temperature Maximum (167°F / 75°C), Add	65.57	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW100, Gas Temperature Maximum (212°F / 100°C), Add	237.16	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW125, Gas Temperature Maximum (257°F / 125°C), Add	409.84	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW150, Gas Temperature Maximum (302°F / 150°C), Add	581.42	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW175, Gas Temperature Maximum (347°F / 175°C), Add	754.10	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW200, Gas Temperature Maximum (392°F / 200°C), Add	925.69	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Mounting Type FBL1502, Add	125.68	
		Note: 1/2" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
		For Mounting Type FBL1503, Add	136.61	
		Note: 3/4" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
		For Mounting Type FBL1504, Add	147.54	
		Note: 1" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
		For Mounting Type FBL1505, Add	163.94	
		Note: 1-1/4" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
		For Mounting Type FBL1506, Add	180.33	
		Note: 1-1/2" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
		For Mounting Type FBL1508, Add	213.12	
		Note: 2" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
		For Mounting Type FBL1510, Add	251.37	
		Note: 2-1/2" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
		For Mounting Type FBL1512, Add	295.08	
		Note: 3" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
		For Mounting Type FBL1516, Add	426.23	
		Note: 4" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
		For Mounting Type FBL3002, Add	169.40	
		Note: 1/2" Flange; 300# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		



<b>Water And Wastewater Equipment</b>	<b>46</b>	<b>46</b>
Water Treatment Equipment	46 80	
General Water Treatment Equipment	46 82	

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MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM	UNIT COST	UNIT COST

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## 46 Water And Wastewater Equipment

## 46 80 Water Treatment Equipment

## 46 82 General Water Treatment Equipment

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

46 82 83 00-0216	EA	1" Outside Diameter Probe, 0-5 VDC, 4-20mA Outputs, RS485 Modbus RTU, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT), Insertion Flowmeter With Remote Electronics (Eldridge 8280MP-SSS-133).....	4,008.97	34.90
		Note: • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C • ENCLOSURE: ( Select Remote enclosure type: REM, ACEX, DCEX) • Accuracy including linearity (Ref.: 21°C): ± (1% of Reading + 0.5% of Full Scale + GTC) • Repeatability ± 0.2% of Full Scale • Turn down ratio 100:1 @ 15 SFPM (.076 NMS) Minimum Reading • Ambient electronics temperature range -40° to 158°F (-40° to 50°C) • Gas temperature range -40° to 392°F (-40° to 200°C) • EPICom Windows based communication software (RS232, RS485 or USB) • EPI-Val Field Calibration Validation • INTEGRAL Electronics; 2-line 16 character display & 4-button keypad; Output 4-20mA, 0-5VDC(2nd 4-20mA available); RS232 & RS485 Modbus RTU; Probe 1/2" OD • REMOTE Flow Indicator Transmitter (FT/FIT) - Remote Enclosure (10" x 8"); with 2-line 16 character LCD display & 4-button keypad; Output 4-20mA, 0-5VDC(2nd 4-20mA available), two 1-amp @ 30 VDC Relays, user selectable alarm functions; Signal Interface - RS232 & RS485 Modbus RTU; For use in Ordinary Locations ONLY; (Provide required "Cable Length" option upon order. \$2/ft 10ft standard) 24 VDC (Standard) Gas Temperature Maximum (77°F / 25°C) Gas Temperature Maximum (150°F / 50°C)		
		For Enclosure Type DCEX, Add	322.41	
		Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX Double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; two 1-amp @ 30 VDC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);		
		For Enclosure Type ACEX, Add	322.41	
		Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX Double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);		
		For Sensor Type SSH, Add	1,961.76	
		Note: Available for insertion meters only Available for AIR, Stack/Exhaust gas only (Consult factory if other) 316 Stainless Steel High Temperature -400 to 800°F (Insertion probe limited to 3/4", 1" diameter) ** Non-certified product, No Approvals **		
		For Sensor Type HAS, Add	2,163.94	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display Type 133, Add	163.94	
		Note: Display and Keypad - Flow Indicator Transmitter (FIT)		
		For Power Option AC115 (115 VAC), Add	202.19	
		For Power Option AC230 (230 VAC), Add	202.19	
		For 6" Probe, Add	10.93	
		For 12" 316L Stainless Steel Probe, Add	21.86	
		For 18" 316L Stainless Steel Probe, Add	43.72	
		For 24" 316L Stainless Steel Probe, Add	65.57	
		For 36" 316L Stainless Steel Probe, Add	87.43	
		Note: Max length for 1/2" probes		
		For 48" 316L Stainless Steel Probe, Add	109.29	
		Note: 3/4" and 1" OD only		
		For 60" 316L Stainless Steel Probe, Add	131.15	
		Note: 3/4" and 1" OD only		
		For 72" 316L Stainless Steel Probe, Add	153.01	
		Note: 1" OD only		
		For 84" 316L Stainless Steel Probe, Add	174.86	
		Note: 1" OD only		
		For Option MW075, Gas Temperature Maximum (167°F / 75°C), Add	65.57	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW100, Gas Temperature Maximum (212°F / 100°C), Add	237.16	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW125, Gas Temperature Maximum (257°F / 125°C), Add	409.84	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW150, Gas Temperature Maximum (302°F / 150°C), Add	581.42	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW175, Gas Temperature Maximum (347°F / 175°C), Add	754.10	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW200, Gas Temperature Maximum (392°F / 200°C), Add	925.69	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Mounting Type FBL1502, Add	125.68	
		Note: 1/2" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
		For Mounting Type FBL1503, Add	136.61	
		Note: 3/4" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
		For Mounting Type FBL1504, Add	147.54	
		Note: 1" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
		For Mounting Type FBL1505, Add	163.94	
		Note: 1-1/4" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
		For Mounting Type FBL1506, Add	180.33	
		Note: 1-1/2" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
		For Mounting Type FBL1508, Add	213.12	
		Note: 2" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
		For Mounting Type FBL1510, Add	251.37	
		Note: 2-1/2" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
		For Mounting Type FBL1512, Add	295.08	
		Note: 3" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		
		For Mounting Type FBL1516, Add	426.23	
		Note: 4" Flange; 150# ANSI Flange welded to probe; Refer to ANSI specifications for application design considerations		



<b>Water And Wastewater Equipment</b>	<b>46</b>	<b>46</b>
Water Treatment Equipment	46 80	
General Water Treatment Equipment	46 82	

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MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST

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46 82 83 00-0217    Inline MP Series Flowmeters (46 82 83 00-0209)



**46 Water And Wastewater Equipment**

46 80 Water Treatment Equipment

46 82 General Water Treatment Equipment



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MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0218	EA	0-5 VDC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Mounted Master-Touch™ Flow Element/Flow Transmitter (FE/FT), Stainless Steel, Inline Flowmeter With Remote Electronics For 1/4" Outside Diameter x 6" Length Pipe (Eldridge 8036MP-SSS-133) .....	3,478.99	18.18
		<i>For Enclosure Type DCEX, Add</i>	322.41	
		<i>Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX Double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; two 1-amp @ 30 VDC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);</i>		
		<i>For Enclosure Type ACEX, Add</i>	322.41	
		<i>Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX Double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);</i>		
		<i>For Sensor Type HAS, Add</i>	2,163.94	
		<i>Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)</i>		
		<i>For Display Type 133, Add</i>	163.94	
		<i>Note: Display and Keypad - Flow Indicator Transmitter (FIT)</i>		
		<i>For Power Option AC115 (115 VAC), Add</i>	202.19	
		<i>For Power Option AC230 (230 VAC), Add</i>	202.19	
		<i>For Option MW075, Gas Temperature Maximum (167°F / 75°C), Add</i>	65.57	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Option MW100, Gas Temperature Maximum (212°F / 100°C), Add</i>	237.16	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Option MW125, Gas Temperature Maximum (257°F / 125°C), Add</i>	409.84	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Option MW150, Gas Temperature Maximum (302°F / 150°C), Add</i>	581.42	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Option MW175, Gas Temperature Maximum (347°F / 175°C), Add</i>	754.10	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Option MW200, Gas Temperature Maximum (392°F / 200°C), Add</i>	925.69	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Gas Option, AIR, Add</i>	177.66	
		<i>Note: Air (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, AR, Add</i>	321.84	
		<i>Note: Argon (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, CO2, Add</i>	229.95	
		<i>Note: Carbon Dioxide (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, C2H6, Add</i>	735.35	
		<i>Note: Ethane (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, C2H4, Add</i>	735.35	
		<i>Note: Ethylene (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, He, Add</i>	708.02	
		<i>Note: Helium (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, CH4, Add</i>	508.20	
		<i>Note: Methane (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, CH4/CO2, Add</i>	576.57	
		<i>Note: Methane and Carbon Dioxide - Mix (As Req'd.) (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, Nat.Gas., Add</i>	508.20	
		<i>Note: Natural Gas (Methane Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, N2, Add</i>	161.57	
		<i>Note: Nitrogen (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, O2, Add</i>	177.66	
		<i>Note: O2 (Air Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, C2H8, Add</i>	358.30	
		<i>Note: Propane (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Mounting Type FSW1502, Add</i>	251.37	
		<i>Note: 1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1503, Add</i>	273.22	
		<i>Note: 3/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1504, Add</i>	300.55	
		<i>Note: 1" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1505, Add</i>	322.41	
		<i>Note: 1-1/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1506, Add</i>	360.66	
		<i>Note: 1-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1508, Add</i>	420.77	
		<i>Note: 2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1510, Add</i>	502.73	
		<i>Note: 2-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1512, Add</i>	590.17	
		<i>Note: 3" Flange (150# Included with 3" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1516, Add</i>	857.93	
		<i>Note: 4" Flange (150# Included with 4" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW3002, Add</i>	344.26	
		<i>Note: 1/2" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW3003, Add</i>	377.05	
		<i>Note: 3/4" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW3004, Add</i>	400.04	
		<i>Note: 1/2" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		

**46 Water And Wastewater Equipment**

46 80 Water Treatment Equipment

46 82 General Water Treatment Equipment



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MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0219	EA	0-5 VDC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Mounted Master-Touch™ Flow Element/Flow Transmitter (FE/FT), Stainless Steel, Inline Flowmeter With Remote Electronics For 3/8" Outside Diameter x 6" Length Pipe (Eldridge 8049MP-SSS-133) .....	3,493.55	20.36
		<i>For Enclosure Type DCEX, Add</i>	322.41	
		<i>Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX Double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; two 1-amp @ 30 VDC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);</i>		
		<i>For Enclosure Type ACEX, Add</i>	322.41	
		<i>Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX Double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);</i>		
		<i>For Sensor Type HAS, Add</i>	2,163.94	
		<i>Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)</i>		
		<i>For Display Type 133, Add</i>	163.94	
		<i>Note: Display and Keypad - Flow Indicator Transmitter (FIT)</i>		
		<i>For Power Option AC115 (115 VAC), Add</i>	202.19	
		<i>For Power Option AC230 (230 VAC), Add</i>	202.19	
		<i>For Option MW075, Gas Temperature Maximum (167°F / 75°C), Add</i>	65.57	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Option MW100, Gas Temperature Maximum (212°F / 100°C), Add</i>	237.16	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Option MW125, Gas Temperature Maximum (257°F / 125°C), Add</i>	409.84	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Option MW150, Gas Temperature Maximum (302°F / 150°C), Add</i>	581.42	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Option MW175, Gas Temperature Maximum (347°F / 175°C), Add</i>	754.10	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Option MW200, Gas Temperature Maximum (392°F / 200°C), Add</i>	925.69	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Gas Option, AIR, Add</i>	177.66	
		<i>Note: Air (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, AR, Add</i>	321.84	
		<i>Note: Argon (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, CO2, Add</i>	229.95	
		<i>Note: Carbon Dioxide (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, C2H6, Add</i>	735.35	
		<i>Note: Ethane (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, C2H4, Add</i>	735.35	
		<i>Note: Ethylene (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, He, Add</i>	708.02	
		<i>Note: Helium (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, CH4, Add</i>	508.20	
		<i>Note: Methane (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, CH4/CO2, Add</i>	576.57	
		<i>Note: Methane and Carbon Dioxide - Mix (As Req'd.) (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, Nat.Gas., Add</i>	508.20	
		<i>Note: Natural Gas (Methane Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, N2, Add</i>	161.57	
		<i>Note: Nitrogen (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, O2, Add</i>	177.66	
		<i>Note: O2 (Air Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, C2H8, Add</i>	358.30	
		<i>Note: Propane (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Mounting Type FSW1502, Add</i>	251.37	
		<i>Note: 1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1503, Add</i>	273.22	
		<i>Note: 3/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1504, Add</i>	300.55	
		<i>Note: 1" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1505, Add</i>	322.41	
		<i>Note: 1-1/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1506, Add</i>	360.66	
		<i>Note: 1-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1508, Add</i>	420.77	
		<i>Note: 2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1510, Add</i>	502.73	
		<i>Note: 2-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1512, Add</i>	590.17	
		<i>Note: 3" Flange (150# Included with 3" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1516, Add</i>	857.93	
		<i>Note: 4" Flange (150# Included with 4" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW3002, Add</i>	344.26	
		<i>Note: 1/2" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW3003, Add</i>	377.05	
		<i>Note: 3/4" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW3004, Add</i>	400.04	
		<i>Note: 1/2" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		

**46 Water And Wastewater Equipment**

46 80 Water Treatment Equipment

46 82 General Water Treatment Equipment



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0220	EA	0-5 VDC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Mounted Master-Touch™ Flow Element/Flow Transmitter (FE/FT), Stainless Steel, Inline Flowmeter With Remote Electronics For 1/2" Outside Diameter x 7" Length Pipe (Eldridge 8059MP-SSS-133) .....	3,508.12	21.81
		For Enclosure Type DCEX, Add	322.41	
		Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX Double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; two 1-amp @ 30 VDC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);		
		For Enclosure Type ACEX, Add	322.41	
		Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX Double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);		
		For Sensor Type HAS, Add	2,163.94	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display Type 133, Add	163.94	
		Note: Display and Keypad - Flow Indicator Transmitter (FIT)		
		For Power Option AC115 (115 VAC), Add	202.19	
		For Power Option AC230 (230 VAC), Add	202.19	
		For Option MW075, Gas Temperature Maximum (167°F / 75°C), Add	65.57	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW100, Gas Temperature Maximum (212°F / 100°C), Add	237.16	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW125, Gas Temperature Maximum (257°F / 125°C), Add	409.84	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW150, Gas Temperature Maximum (302°F / 150°C), Add	581.42	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW175, Gas Temperature Maximum (347°F / 175°C), Add	754.10	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW200, Gas Temperature Maximum (392°F / 200°C), Add	925.69	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Gas Option, AIR, Add	177.66	
		Note: Air (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, AR, Add	321.84	
		Note: Argon (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, CO2, Add	229.95	
		Note: Carbon Dioxide (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, C2H6, Add	735.35	
		Note: Ethane (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, C2H4, Add	735.35	
		Note: Ethylene (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, He, Add	708.02	
		Note: Helium (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, CH4, Add	508.20	
		Note: Methane (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, CH4/CO2, Add	576.57	
		Note: Methane and Carbon Dioxide - Mix (As Req'd.) (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, Nat.Gas., Add	508.20	
		Note: Natural Gas (Methane Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, N2, Add	161.57	
		Note: Nitrogen (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, O2, Add	177.66	
		Note: O2 (Air Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, C2H8, Add	358.30	
		Note: Propane (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Mounting Type FSW1502, Add	251.37	
		Note: 1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW1503, Add	273.22	
		Note: 3/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW1504, Add	300.55	
		Note: 1" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW1505, Add	322.41	
		Note: 1-1/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW1506, Add	360.66	
		Note: 1-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW1508, Add	420.77	
		Note: 2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW1510, Add	502.73	
		Note: 2-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW1512, Add	590.17	
		Note: 3" Flange (150# Included with 3" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW1516, Add	857.93	
		Note: 4" Flange (150# Included with 4" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW3002, Add	344.26	
		Note: 1/2" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW3003, Add	377.05	
		Note: 3/4" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW3004, Add	400.04	
		Note: 1" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		

**46 Water And Wastewater Equipment**

46 80 Water Treatment Equipment

46 82 General Water Treatment Equipment



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MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0221	EA	0-5 VDC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Mounted Master-Touch™ Flow Element/Flow Transmitter (FE/FT), Stainless Steel, Inline Flowmeter With Remote Electronics For 3/4" Outside Diameter x 7" Length Pipe (Eldridge 8069MP-SSS-133) .....	3,535.77	30.53
		<i>For Enclosure Type DCEX, Add</i>	322.41	
		<i>Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX Double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; two 1-amp @ 30 VDC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);</i>		
		<i>For Enclosure Type ACEX, Add</i>	322.41	
		<i>Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX Double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);</i>		
		<i>For Sensor Type HAS, Add</i>	2,163.94	
		<i>Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)</i>		
		<i>For Display Type 133, Add</i>	163.94	
		<i>Note: Display and Keypad - Flow Indicator Transmitter (FIT)</i>		
		<i>For Power Option AC115 (115 VAC), Add</i>	202.19	
		<i>For Power Option AC230 (230 VAC), Add</i>	202.19	
		<i>For Option MW075, Gas Temperature Maximum (167°F / 75°C), Add</i>	65.57	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Option MW100, Gas Temperature Maximum (212°F / 100°C), Add</i>	237.16	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Option MW125, Gas Temperature Maximum (257°F / 125°C), Add</i>	409.84	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Option MW150, Gas Temperature Maximum (302°F / 150°C), Add</i>	581.42	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Option MW175, Gas Temperature Maximum (347°F / 175°C), Add</i>	754.10	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Option MW200, Gas Temperature Maximum (392°F / 200°C), Add</i>	925.69	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Gas Option, AIR, Add</i>	177.66	
		<i>Note: Air (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, AR, Add</i>	321.84	
		<i>Note: Argon (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, CO2, Add</i>	229.95	
		<i>Note: Carbon Dioxide (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, C2H6, Add</i>	735.35	
		<i>Note: Ethane (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, C2H4, Add</i>	735.35	
		<i>Note: Ethylene (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, He, Add</i>	708.02	
		<i>Note: Helium (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, CH4, Add</i>	508.20	
		<i>Note: Methane (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, CH4/CO2, Add</i>	576.57	
		<i>Note: Methane and Carbon Dioxide - Mix (As Req'd.) (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, Nat.Gas., Add</i>	508.20	
		<i>Note: Natural Gas (Methane Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, N2, Add</i>	161.57	
		<i>Note: Nitrogen (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, O2, Add</i>	177.66	
		<i>Note: O2 (Air Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, C2H8, Add</i>	358.30	
		<i>Note: Propane (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Mounting Type FSW1502, Add</i>	251.37	
		<i>Note: 1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1503, Add</i>	273.22	
		<i>Note: 3/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1504, Add</i>	300.55	
		<i>Note: 1" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1505, Add</i>	322.41	
		<i>Note: 1-1/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1506, Add</i>	360.66	
		<i>Note: 1-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1508, Add</i>	420.77	
		<i>Note: 2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1510, Add</i>	502.73	
		<i>Note: 2-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1512, Add</i>	590.17	
		<i>Note: 3" Flange (150# Included with 3" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1516, Add</i>	857.93	
		<i>Note: 4" Flange (150# Included with 4" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW3002, Add</i>	344.26	
		<i>Note: 1/2" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW3003, Add</i>	377.05	
		<i>Note: 3/4" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW3004, Add</i>	400.04	
		<i>Note: 1/2" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		



**46 Water And Wastewater Equipment**

46 80 Water Treatment Equipment

46 82 General Water Treatment Equipment



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0222	EA	0-5 VDC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Mounted Master-Touch™ Flow Element/Flow Transmitter (FE/FT), Stainless Steel, Inline Flowmeter With Remote Electronics For 1" Outside Diameter x 8" Length Pipe (Eldridge 8089MP-SSS-133) .....	3,560.89	34.90
		For Enclosure Type DCEX, Add	322.41	
		Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX Double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; two 1-amp @ 30 VDC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);		
		For Enclosure Type ACEX, Add	322.41	
		Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX Double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);		
		For Sensor Type HAS, Add	2,163.94	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display Type 133, Add	163.94	
		Note: Display and Keypad - Flow Indicator Transmitter (FIT)		
		For Power Option AC115 (115 VAC), Add	202.19	
		For Power Option AC230 (230 VAC), Add	202.19	
		For Option MW075, Gas Temperature Maximum (167°F / 75°C), Add	65.57	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW100, Gas Temperature Maximum (212°F / 100°C), Add	237.16	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW125, Gas Temperature Maximum (257°F / 125°C), Add	409.84	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW150, Gas Temperature Maximum (302°F / 150°C), Add	581.42	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW175, Gas Temperature Maximum (347°F / 175°C), Add	754.10	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW200, Gas Temperature Maximum (392°F / 200°C), Add	925.69	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Gas Option, AIR, Add	177.66	
		Note: Air (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, AR, Add	321.84	
		Note: Argon (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, CO2, Add	229.95	
		Note: Carbon Dioxide (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, C2H6, Add	735.35	
		Note: Ethane (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, C2H4, Add	735.35	
		Note: Ethylene (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, He, Add	708.02	
		Note: Helium (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, CH4, Add	508.20	
		Note: Methane (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, CH4/CO2, Add	576.57	
		Note: Methane and Carbon Dioxide - Mix (As Req'd.) (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, Nat.Gas., Add	508.20	
		Note: Natural Gas (Methane Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, N2, Add	161.57	
		Note: Nitrogen (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, O2, Add	177.66	
		Note: O2 (Air Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, C2H8, Add	358.30	
		Note: Propane (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Mounting Type FSW1502, Add	251.37	
		Note: 1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW1503, Add	273.22	
		Note: 3/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW1504, Add	300.55	
		Note: 1" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW1505, Add	322.41	
		Note: 1-1/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW1506, Add	360.66	
		Note: 1-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW1508, Add	420.77	
		Note: 2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW1510, Add	502.73	
		Note: 2-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW1512, Add	590.17	
		Note: 3" Flange (150# Included with 3" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW1516, Add	857.93	
		Note: 4" Flange (150# Included with 4" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW3002, Add	344.26	
		Note: 1/2" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW3003, Add	377.05	
		Note: 3/4" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW3004, Add	400.04	
		Note: 1" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		

**46 Water And Wastewater Equipment**

46 80 Water Treatment Equipment

46 82 General Water Treatment Equipment



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0223 EA 0-5 VDC, 4-20mA Ouputs, RS232/RS485 Modbus RTU, Mounted Master-Touch™ Flow Element/Flow Transmitter (FE/FT), Stainless Steel, Inline Flowmeter With Remote Electronics For 1-1/4" Outside Diameter x 10" Length Pipe (Eldridge 8110MP-SSS-133)	3,594.73	43.63
For Enclosure Type DCEX, Add	322.41	
Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX Double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; two 1-amp @ 30 VDC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);		
For Enclosure Type ACEX, Add	322.41	
Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX Double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);		
For Sensor Type HAS, Add	2,163.94	
Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
For Display Type 133, Add	163.94	
Note: Display and Keypad - Flow Indicator Transmitter (FIT)		
For Power Option AC115 (115 VAC), Add	202.19	
For Power Option AC230 (230 VAC), Add	202.19	
For Option MW075, Gas Temperature Maximum (167°F / 75°C), Add	65.57	
Note: AIR, Stack/Exhaust gas only. Consult factory if other		
For Option MW100, Gas Temperature Maximum (212°F / 100°C), Add	237.16	
Note: AIR, Stack/Exhaust gas only. Consult factory if other		
For Option MW125, Gas Temperature Maximum (257°F / 125°C), Add	409.84	
Note: AIR, Stack/Exhaust gas only. Consult factory if other		
For Option MW150, Gas Temperature Maximum (302°F / 150°C), Add	581.42	
Note: AIR, Stack/Exhaust gas only. Consult factory if other		
For Option MW175, Gas Temperature Maximum (347°F / 175°C), Add	754.10	
Note: AIR, Stack/Exhaust gas only. Consult factory if other		
For Option MW200, Gas Temperature Maximum (392°F / 200°C), Add	925.69	
Note: AIR, Stack/Exhaust gas only. Consult factory if other		
For Gas Option, AIR, Add	177.66	
Note: Air (Gas prices for pressure above 125 PSI, Consult Factory)		
For Gas Option, AR, Add	321.84	
Note: Argon (Gas prices for pressure above 125 PSI, Consult Factory)		
For Gas Option, CO2, Add	229.95	
Note: Carbon Dioxide (Gas prices for pressure above 125 PSI, Consult Factory)		
For Gas Option, C2H6, Add	735.35	
Note: Ethane (Gas prices for pressure above 125 PSI, Consult Factory)		
For Gas Option, C2H4, Add	735.35	
Note: Ethylene (Gas prices for pressure above 125 PSI, Consult Factory)		
For Gas Option, He, Add	708.02	
Note: Helium (Gas prices for pressure above 125 PSI, Consult Factory)		
For Gas Option, CH4, Add	508.20	
Note: Methane (Gas prices for pressure above 125 PSI, Consult Factory)		
For Gas Option, CH4/CO2, Add	576.57	
Note: Methane and Carbon Dioxide - Mix (As Req'd.) (Gas prices for pressure above 125 PSI, Consult Factory)		
For Gas Option, Nat.Gas., Add	508.20	
Note: Natural Gas (Methane Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)		
For Gas Option, N2, Add	161.57	
Note: Nitrogen (Gas prices for pressure above 125 PSI, Consult Factory)		
For Gas Option, O2, Add	177.66	
Note: O2 (Air Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)		
For Gas Option, C2H8, Add	358.30	
Note: Propane (Gas prices for pressure above 125 PSI, Consult Factory)		
For Mounting Type FSW1502, Add	251.37	
Note: 1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
For Mounting Type FSW1503, Add	273.22	
Note: 3/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
For Mounting Type FSW1504, Add	300.55	
Note: 1" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
For Mounting Type FSW1505, Add	322.41	
Note: 1-1/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
For Mounting Type FSW1506, Add	360.66	
Note: 1-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
For Mounting Type FSW1508, Add	420.77	
Note: 2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
For Mounting Type FSW1510, Add	502.73	
Note: 2-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
For Mounting Type FSW1512, Add	590.17	
Note: 3" Flange (150# Included with 3" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
For Mounting Type FSW1516, Add	857.93	
Note: 4" Flange (150# Included with 4" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
For Mounting Type FSW3002, Add	344.26	
Note: 1/2" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
For Mounting Type FSW3003, Add	377.05	
Note: 3/4" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
For Mounting Type FSW3004, Add	400.04	
Note: 1" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		

**46 Water And Wastewater Equipment**

46 80 Water Treatment Equipment

46 82 General Water Treatment Equipment



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MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0224	EA	0-5 VDC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Mounted Master-Touch™ Flow Element/Flow Transmitter (FE/FT), Stainless Steel, Inline Flowmeter With Remote Electronics For 1-1/2" Outside Diameter x 14" Length Pipe (Eldridge 8112MP-SSS-133)	3,628.58	52.35
		<i>For Enclosure Type DCEX, Add</i>	322.41	
		<i>Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX Double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; two 1-amp @ 30 VDC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);</i>		
		<i>For Enclosure Type ACEX, Add</i>	322.41	
		<i>Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX Double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);</i>		
		<i>For Sensor Type HAS, Add</i>	2,163.94	
		<i>Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)</i>		
		<i>For Display Type 133, Add</i>	163.94	
		<i>Note: Display and Keypad - Flow Indicator Transmitter (FIT)</i>		
		<i>For Power Option AC115 (115 VAC), Add</i>	202.19	
		<i>For Power Option AC230 (230 VAC), Add</i>	202.19	
		<i>For Option MW075, Gas Temperature Maximum (167°F / 75°C), Add</i>	65.57	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Option MW100, Gas Temperature Maximum (212°F / 100°C), Add</i>	237.16	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Option MW125, Gas Temperature Maximum (257°F / 125°C), Add</i>	409.84	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Option MW150, Gas Temperature Maximum (302°F / 150°C), Add</i>	581.42	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Option MW175, Gas Temperature Maximum (347°F / 175°C), Add</i>	754.10	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Option MW200, Gas Temperature Maximum (392°F / 200°C), Add</i>	925.69	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Gas Option, AIR, Add</i>	177.66	
		<i>Note: Air (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, AR, Add</i>	321.84	
		<i>Note: Argon (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, CO2, Add</i>	229.95	
		<i>Note: Carbon Dioxide (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, C2H6, Add</i>	735.35	
		<i>Note: Ethane (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, C2H4, Add</i>	735.35	
		<i>Note: Ethylene (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, He, Add</i>	708.02	
		<i>Note: Helium (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, CH4, Add</i>	508.20	
		<i>Note: Methane (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, CH4/CO2, Add</i>	576.57	
		<i>Note: Methane and Carbon Dioxide - Mix (As Req'd.) (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, Nat.Gas., Add</i>	508.20	
		<i>Note: Natural Gas (Methane Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, N2, Add</i>	161.57	
		<i>Note: Nitrogen (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, O2, Add</i>	177.66	
		<i>Note: O2 (Air Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, C2H8, Add</i>	358.30	
		<i>Note: Propane (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Mounting Type FSW1502, Add</i>	251.37	
		<i>Note: 1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1503, Add</i>	273.22	
		<i>Note: 3/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1504, Add</i>	300.55	
		<i>Note: 1" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1505, Add</i>	322.41	
		<i>Note: 1-1/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1506, Add</i>	360.66	
		<i>Note: 1-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1508, Add</i>	420.77	
		<i>Note: 2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1510, Add</i>	502.73	
		<i>Note: 2-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1512, Add</i>	590.17	
		<i>Note: 3" Flange (150# Included with 3" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1516, Add</i>	857.93	
		<i>Note: 4" Flange (150# Included with 4" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW3002, Add</i>	344.26	
		<i>Note: 1/2" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW3003, Add</i>	377.05	
		<i>Note: 3/4" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW3004, Add</i>	400.04	
		<i>Note: 1" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		

**46 Water And Wastewater Equipment**

46 80 Water Treatment Equipment

46 82 General Water Treatment Equipment



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MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0225	EA	0-5 VDC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Mounted Master-Touch™ Flow Element/Flow Transmitter (FE/FT), Stainless Steel, Inline Flowmeter With Remote Electronics For 2" Outside Diameter x 14" Length Pipe (Eldridge 8116MP-SSS-133) .....	3,673.35	61.08
		For Enclosure Type DCEX, Add	322.41	
		Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX Double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; two 1-amp @ 30 VDC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);		
		For Enclosure Type ACEX, Add	322.41	
		Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX Double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);		
		For Sensor Type HAS, Add	2,163.94	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display Type 133, Add	163.94	
		Note: Display and Keypad - Flow Indicator Transmitter (FIT)		
		For Power Option AC115 (115 VAC), Add	202.19	
		For Power Option AC230 (230 VAC), Add	202.19	
		For Option MW075, Gas Temperature Maximum (167°F / 75°C), Add	65.57	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW100, Gas Temperature Maximum (212°F / 100°C), Add	237.16	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW125, Gas Temperature Maximum (257°F / 125°C), Add	409.84	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW150, Gas Temperature Maximum (302°F / 150°C), Add	581.42	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW175, Gas Temperature Maximum (347°F / 175°C), Add	754.10	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW200, Gas Temperature Maximum (392°F / 200°C), Add	925.69	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Gas Option, AIR, Add	177.66	
		Note: Air (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, AR, Add	321.84	
		Note: Argon (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, CO2, Add	229.95	
		Note: Carbon Dioxide (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, C2H6, Add	735.35	
		Note: Ethane (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, C2H4, Add	735.35	
		Note: Ethylene (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, He, Add	708.02	
		Note: Helium (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, CH4, Add	508.20	
		Note: Methane (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, CH4/CO2, Add	576.57	
		Note: Methane and Carbon Dioxide - Mix (As Req'd.) (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, Nat.Gas., Add	508.20	
		Note: Natural Gas (Methane Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, N2, Add	161.57	
		Note: Nitrogen (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, O2, Add	177.66	
		Note: O2 (Air Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, C2H8, Add	358.30	
		Note: Propane (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Mounting Type FSW1502, Add	251.37	
		Note: 1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW1503, Add	273.22	
		Note: 3/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW1504, Add	300.55	
		Note: 1" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW1505, Add	322.41	
		Note: 1-1/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW1506, Add	360.66	
		Note: 1-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW1508, Add	420.77	
		Note: 2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW1510, Add	502.73	
		Note: 2-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW1512, Add	590.17	
		Note: 3" Flange (150# Included with 3" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW1516, Add	857.93	
		Note: 4" Flange (150# Included with 4" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW3002, Add	344.26	
		Note: 1/2" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW3003, Add	377.05	
		Note: 3/4" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW3004, Add	400.04	
		Note: 1" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		



**46 Water And Wastewater Equipment**

46 80 Water Treatment Equipment

46 82 General Water Treatment Equipment



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0226 EA 0-5 VDC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Mounted Master-Touch™ Flow Element/Flow Transmitter (FE/FT), Stainless Steel, Inline Flowmeter With Remote Electronics For 2-1/2" Outside Diameter x 14" Length Pipe (Eldridge 8120MP-SSS-133)	3,728.33	69.07
For Enclosure Type DCEX, Add	322.41	
Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX Double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; two 1-amp @ 30 VDC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);		
For Enclosure Type ACEX, Add	322.41	
Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX Double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);		
For Sensor Type HAS, Add	2,163.94	
Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
For Display Type 133, Add	163.94	
Note: Display and Keypad - Flow Indicator Transmitter (FIT)		
For Power Option AC115 (115 VAC), Add	202.19	
For Power Option AC230 (230 VAC), Add	202.19	
For Option MW075, Gas Temperature Maximum (167°F / 75°C), Add	65.57	
Note: AIR, Stack/Exhaust gas only. Consult factory if other		
For Option MW100, Gas Temperature Maximum (212°F / 100°C), Add	237.16	
Note: AIR, Stack/Exhaust gas only. Consult factory if other		
For Option MW125, Gas Temperature Maximum (257°F / 125°C), Add	409.84	
Note: AIR, Stack/Exhaust gas only. Consult factory if other		
For Option MW150, Gas Temperature Maximum (302°F / 150°C), Add	581.42	
Note: AIR, Stack/Exhaust gas only. Consult factory if other		
For Option MW175, Gas Temperature Maximum (347°F / 175°C), Add	754.10	
Note: AIR, Stack/Exhaust gas only. Consult factory if other		
For Option MW200, Gas Temperature Maximum (392°F / 200°C), Add	925.69	
Note: AIR, Stack/Exhaust gas only. Consult factory if other		
For Gas Option, AIR, Add	177.66	
Note: Air (Gas prices for pressure above 125 PSI, Consult Factory)		
For Gas Option, AR, Add	321.84	
Note: Argon (Gas prices for pressure above 125 PSI, Consult Factory)		
For Gas Option, CO2, Add	229.95	
Note: Carbon Dioxide (Gas prices for pressure above 125 PSI, Consult Factory)		
For Gas Option, C2H6, Add	735.35	
Note: Ethane (Gas prices for pressure above 125 PSI, Consult Factory)		
For Gas Option, C2H4, Add	735.35	
Note: Ethylene (Gas prices for pressure above 125 PSI, Consult Factory)		
For Gas Option, He, Add	708.02	
Note: Helium (Gas prices for pressure above 125 PSI, Consult Factory)		
For Gas Option, CH4, Add	508.20	
Note: Methane (Gas prices for pressure above 125 PSI, Consult Factory)		
For Gas Option, CH4/CO2, Add	576.57	
Note: Methane and Carbon Dioxide - Mix (As Req'd.) (Gas prices for pressure above 125 PSI, Consult Factory)		
For Gas Option, Nat.Gas., Add	508.20	
Note: Natural Gas (Methane Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)		
For Gas Option, N2, Add	161.57	
Note: Nitrogen (Gas prices for pressure above 125 PSI, Consult Factory)		
For Gas Option, O2, Add	177.66	
Note: O2 (Air Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)		
For Gas Option, C2H8, Add	358.30	
Note: Propane (Gas prices for pressure above 125 PSI, Consult Factory)		
For Mounting Type FSW1502, Add	251.37	
Note: 1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
For Mounting Type FSW1503, Add	273.22	
Note: 3/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
For Mounting Type FSW1504, Add	300.55	
Note: 1" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
For Mounting Type FSW1505, Add	322.41	
Note: 1-1/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
For Mounting Type FSW1506, Add	360.66	
Note: 1-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
For Mounting Type FSW1508, Add	420.77	
Note: 2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
For Mounting Type FSW1510, Add	502.73	
Note: 2-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
For Mounting Type FSW1512, Add	590.17	
Note: 3" Flange (150# Included with 3" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
For Mounting Type FSW1516, Add	857.93	
Note: 4" Flange (150# Included with 4" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
For Mounting Type FSW3002, Add	344.26	
Note: 1/2" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
For Mounting Type FSW3003, Add	377.05	
Note: 3/4" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
For Mounting Type FSW3004, Add	400.04	
Note: 1" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		

**46 Water And Wastewater Equipment**

46 80 Water Treatment Equipment

46 82 General Water Treatment Equipment



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MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0227	EA	0-5 VDC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Mounted Master-Touch™ Flow Element/Flow Transmitter (FE/FT), Stainless Steel, Inline Flowmeter With Remote Electronics For 3" Outside Diameter x 14" Length Pipe (Eldridge 8124MP-SSS-133) .....	4,881.67	77.80
		For Enclosure Type DCEX, Add	322.41	
		Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX Double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; two 1-amp @ 30 VDC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);		
		For Enclosure Type ACEX, Add	322.41	
		Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX Double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);		
		For Sensor Type HAS, Add	2,163.94	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display Type 133, Add	163.94	
		Note: Display and Keypad - Flow Indicator Transmitter (FIT)		
		For Power Option AC115 (115 VAC), Add	202.19	
		For Power Option AC230 (230 VAC), Add	202.19	
		For Option MW075, Gas Temperature Maximum (167°F / 75°C), Add	65.57	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW100, Gas Temperature Maximum (212°F / 100°C), Add	237.16	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW125, Gas Temperature Maximum (257°F / 125°C), Add	409.84	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW150, Gas Temperature Maximum (302°F / 150°C), Add	581.42	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW175, Gas Temperature Maximum (347°F / 175°C), Add	754.10	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW200, Gas Temperature Maximum (392°F / 200°C), Add	925.69	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Gas Option, AIR, Add	177.66	
		Note: Air (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, AR, Add	321.84	
		Note: Argon (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, CO2, Add	229.95	
		Note: Carbon Dioxide (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, C2H6, Add	735.35	
		Note: Ethane (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, C2H4, Add	735.35	
		Note: Ethylene (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, He, Add	708.02	
		Note: Helium (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, CH4, Add	508.20	
		Note: Methane (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, CH4/CO2, Add	576.57	
		Note: Methane and Carbon Dioxide - Mix (As Req'd.) (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, Nat.Gas., Add	508.20	
		Note: Natural Gas (Methane Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, N2, Add	161.57	
		Note: Nitrogen (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, O2, Add	177.66	
		Note: O2 (Air Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, C2H8, Add	358.30	
		Note: Propane (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Mounting Type FSW1502, Add	251.37	
		Note: 1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW1503, Add	273.22	
		Note: 3/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW1504, Add	300.55	
		Note: 1" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW1505, Add	322.41	
		Note: 1-1/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW1506, Add	360.66	
		Note: 1-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW1508, Add	420.77	
		Note: 2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW1510, Add	502.73	
		Note: 2-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW1512, Add	590.17	
		Note: 3" Flange (150# Included with 3" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW1516, Add	857.93	
		Note: 4" Flange (150# Included with 4" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW3002, Add	344.26	
		Note: 1/2" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW3003, Add	377.05	
		Note: 3/4" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW3004, Add	400.04	
		Note: 1" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		

**46 Water And Wastewater Equipment**

46 80 Water Treatment Equipment

46 82 General Water Treatment Equipment



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MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0228	EA	0-5 VDC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Mounted Master-Touch™ Flow Element/Flow Transmitter (FE/FT), Stainless Steel, Inline Flowmeter With Remote Electronics For 4" Outside Diameter x 14" Length Pipe (Eldridge 8132MP-SSS-133) .....	5,428.99	130.15
		<i>For Enclosure Type DCEX, Add</i>	322.41	
		<i>Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX Double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; two 1-amp @ 30 VDC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);</i>		
		<i>For Enclosure Type ACEX, Add</i>	322.41	
		<i>Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX Double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);</i>		
		<i>For Sensor Type HAS, Add</i>	2,163.94	
		<i>Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)</i>		
		<i>For Display Type 133, Add</i>	163.94	
		<i>Note: Display and Keypad - Flow Indicator Transmitter (FIT)</i>		
		<i>For Power Option AC115 (115 VAC), Add</i>	202.19	
		<i>For Power Option AC230 (230 VAC), Add</i>	202.19	
		<i>For Option MW075, Gas Temperature Maximum (167°F / 75°C), Add</i>	65.57	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Option MW100, Gas Temperature Maximum (212°F / 100°C), Add</i>	237.16	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Option MW125, Gas Temperature Maximum (257°F / 125°C), Add</i>	409.84	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Option MW150, Gas Temperature Maximum (302°F / 150°C), Add</i>	581.42	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Option MW175, Gas Temperature Maximum (347°F / 175°C), Add</i>	754.10	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Option MW200, Gas Temperature Maximum (392°F / 200°C), Add</i>	925.69	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Gas Option, AIR, Add</i>	177.66	
		<i>Note: Air (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, AR, Add</i>	321.84	
		<i>Note: Argon (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, CO2, Add</i>	229.95	
		<i>Note: Carbon Dioxide (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, C2H6, Add</i>	735.35	
		<i>Note: Ethane (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, C2H4, Add</i>	735.35	
		<i>Note: Ethylene (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, He, Add</i>	708.02	
		<i>Note: Helium (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, CH4, Add</i>	508.20	
		<i>Note: Methane (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, CH4/CO2, Add</i>	576.57	
		<i>Note: Methane and Carbon Dioxide - Mix (As Req'd.) (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, Nat.Gas., Add</i>	508.20	
		<i>Note: Natural Gas (Methane Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, N2, Add</i>	161.57	
		<i>Note: Nitrogen (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, O2, Add</i>	177.66	
		<i>Note: O2 (Air Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, C2H8, Add</i>	358.30	
		<i>Note: Propane (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Mounting Type FSW1502, Add</i>	251.37	
		<i>Note: 1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1503, Add</i>	273.22	
		<i>Note: 3/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1504, Add</i>	300.55	
		<i>Note: 1" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1505, Add</i>	322.41	
		<i>Note: 1-1/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1506, Add</i>	360.66	
		<i>Note: 1-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1508, Add</i>	420.77	
		<i>Note: 2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1510, Add</i>	502.73	
		<i>Note: 2-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1512, Add</i>	590.17	
		<i>Note: 3" Flange (150# Included with 3" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1516, Add</i>	857.93	
		<i>Note: 4" Flange (150# Included with 4" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW3002, Add</i>	344.26	
		<i>Note: 1/2" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW3003, Add</i>	377.05	
		<i>Note: 3/4" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW3004, Add</i>	400.04	
		<i>Note: 1" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		

**46 Water And Wastewater Equipment**

46 80 Water Treatment Equipment

46 82 General Water Treatment Equipment



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MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0229	EA			0-5 VDC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Inline, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT) Inline Flowmeter With Integral Electronics For 1/4" Outside Diameter x 6" Length Pipe (Eldridge 8636MP-SSS-133).....	3,036.36	18.18
				For Enclosure Type DCEX, Add	322.41	
				Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX Double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; two 1-amp @ 30 VDC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);		
				For Enclosure Type ACEX, Add	322.41	
				Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX Double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);		
				For Sensor Type HAS, Add	2,163.94	
				Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
				For Display Type 133, Add	163.94	
				Note: Display and Keypad - Flow Indicator Transmitter (FIT)		
				For Power Option AC115 (115 VAC), Add	202.19	
				For Power Option AC230 (230 VAC), Add	202.19	
				For Option MW075, Gas Temperature Maximum (167°F / 75°C), Add	65.57	
				Note: AIR, Stack/Exhaust gas only. Consult factory if other		
				For Option MW100, Gas Temperature Maximum (212°F / 100°C), Add	237.16	
				Note: AIR, Stack/Exhaust gas only. Consult factory if other		
				For Option MW125, Gas Temperature Maximum (257°F / 125°C), Add	409.84	
				Note: AIR, Stack/Exhaust gas only. Consult factory if other		
				For Option MW150, Gas Temperature Maximum (302°F / 150°C), Add	581.42	
				Note: AIR, Stack/Exhaust gas only. Consult factory if other		
				For Option MW175, Gas Temperature Maximum (347°F / 175°C), Add	754.10	
				Note: AIR, Stack/Exhaust gas only. Consult factory if other		
				For Option MW200, Gas Temperature Maximum (392°F / 200°C), Add	925.69	
				Note: AIR, Stack/Exhaust gas only. Consult factory if other		
				For Gas Option, AIR, Add	177.66	
				Note: Air (Gas prices for pressure above 125 PSI, Consult Factory)		
				For Gas Option, AR, Add	321.84	
				Note: Argon (Gas prices for pressure above 125 PSI, Consult Factory)		
				For Gas Option, CO2, Add	229.95	
				Note: Carbon Dioxide (Gas prices for pressure above 125 PSI, Consult Factory)		
				For Gas Option, C2H6, Add	735.35	
				Note: Ethane (Gas prices for pressure above 125 PSI, Consult Factory)		
				For Gas Option, C2H4, Add	735.35	
				Note: Ethylene (Gas prices for pressure above 125 PSI, Consult Factory)		
				For Gas Option, He, Add	708.02	
				Note: Helium (Gas prices for pressure above 125 PSI, Consult Factory)		
				For Gas Option, CH4, Add	508.20	
				Note: Methane (Gas prices for pressure above 125 PSI, Consult Factory)		
				For Gas Option, CH4/CO2, Add	576.57	
				Note: Methane and Carbon Dioxide - Mix (As Req'd.) (Gas prices for pressure above 125 PSI, Consult Factory)		
				For Gas Option, Nat.Gas., Add	508.20	
				Note: Natural Gas (Methane Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)		
				For Gas Option, N2, Add	161.57	
				Note: Nitrogen (Gas prices for pressure above 125 PSI, Consult Factory)		
				For Gas Option, O2, Add	177.66	
				Note: O2 (Air Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)		
				For Gas Option, C2H8, Add	358.30	
				Note: Propane (Gas prices for pressure above 125 PSI, Consult Factory)		
				For Mounting Type FSW1502, Add	251.37	
				Note: 1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
				For Mounting Type FSW1503, Add	273.22	
				Note: 3/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
				For Mounting Type FSW1504, Add	300.55	
				Note: 1" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
				For Mounting Type FSW1505, Add	322.41	
				Note: 1-1/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
				For Mounting Type FSW1506, Add	360.66	
				Note: 1-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
				For Mounting Type FSW1508, Add	420.77	
				Note: 2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
				For Mounting Type FSW1510, Add	502.73	
				Note: 2-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
				For Mounting Type FSW1512, Add	590.17	
				Note: 3" Flange (150# Included with 3" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
				For Mounting Type FSW1516, Add	857.93	
				Note: 4" Flange (150# Included with 4" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
				For Mounting Type FSW3002, Add	344.26	
				Note: 1/2" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
				For Mounting Type FSW3003, Add	377.05	
				Note: 3/4" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
				For Mounting Type FSW3004, Add	400.04	
				Note: 1" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		



**46 Water And Wastewater Equipment**

46 80 Water Treatment Equipment

46 82 General Water Treatment Equipment



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MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0230	EA	0-5 VDC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Inline, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT) Inline Flowmeter With Integral Electronics For 3/8" Outside Diameter x 6" Length Pipe (Eldridge 8649MP-SSS-133)	3,050.93	20.36
		For Enclosure Type DCEX, Add Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX Double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; two 1-amp @ 30 VDC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);	322.41	
		For Enclosure Type ACEX, Add Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX Double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);	322.41	
		For Sensor Type HAS, Add Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)	2,163.94	
		For Display Type 133, Add Note: Display and Keypad - Flow Indicator Transmitter (FIT)	163.94	
		For Power Option AC115 (115 VAC), Add	202.19	
		For Power Option AC230 (230 VAC), Add	202.19	
		For Option MW075, Gas Temperature Maximum (167°F / 75°C), Add Note: AIR, Stack/Exhaust gas only. Consult factory if other	65.57	
		For Option MW100, Gas Temperature Maximum (212°F / 100°C), Add Note: AIR, Stack/Exhaust gas only. Consult factory if other	237.16	
		For Option MW125, Gas Temperature Maximum (257°F / 125°C), Add Note: AIR, Stack/Exhaust gas only. Consult factory if other	409.84	
		For Option MW150, Gas Temperature Maximum (302°F / 150°C), Add Note: AIR, Stack/Exhaust gas only. Consult factory if other	581.42	
		For Option MW175, Gas Temperature Maximum (347°F / 175°C), Add Note: AIR, Stack/Exhaust gas only. Consult factory if other	754.10	
		For Option MW200, Gas Temperature Maximum (392°F / 200°C), Add Note: AIR, Stack/Exhaust gas only. Consult factory if other	925.69	
		For Gas Option, AIR, Add Note: Air (Gas prices for pressure above 125 PSI, Consult Factory)	177.66	
		For Gas Option, AR, Add Note: Argon (Gas prices for pressure above 125 PSI, Consult Factory)	321.84	
		For Gas Option, CO2, Add Note: Carbon Dioxide (Gas prices for pressure above 125 PSI, Consult Factory)	229.95	
		For Gas Option, C2H6, Add Note: Ethane (Gas prices for pressure above 125 PSI, Consult Factory)	735.35	
		For Gas Option, C2H4, Add Note: Ethylene (Gas prices for pressure above 125 PSI, Consult Factory)	735.35	
		For Gas Option, He, Add Note: Helium (Gas prices for pressure above 125 PSI, Consult Factory)	708.02	
		For Gas Option, CH4, Add Note: Methane (Gas prices for pressure above 125 PSI, Consult Factory)	508.20	
		For Gas Option, CH4/CO2, Add Note: Methane and Carbon Dioxide - Mix (As Req'd.) (Gas prices for pressure above 125 PSI, Consult Factory)	576.57	
		For Gas Option, Nat.Gas., Add Note: Natural Gas (Methane Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)	508.20	
		For Gas Option, N2, Add Note: Nitrogen (Gas prices for pressure above 125 PSI, Consult Factory)	161.57	
		For Gas Option, O2, Add Note: O2 (Air Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)	177.66	
		For Gas Option, C2H8, Add Note: Propane (Gas prices for pressure above 125 PSI, Consult Factory)	358.30	
		For Mounting Type FSW1502, Add Note: 1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	251.37	
		For Mounting Type FSW1503, Add Note: 3/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	273.22	
		For Mounting Type FSW1504, Add Note: 1" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	300.55	
		For Mounting Type FSW1505, Add Note: 1-1/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	322.41	
		For Mounting Type FSW1506, Add Note: 1-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	360.66	
		For Mounting Type FSW1508, Add Note: 2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	420.77	
		For Mounting Type FSW1510, Add Note: 2-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	502.73	
		For Mounting Type FSW1512, Add Note: 3" Flange (150# Included with 3" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	590.17	
		For Mounting Type FSW1516, Add Note: 4" Flange (150# Included with 4" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	857.93	
		For Mounting Type FSW3002, Add Note: 1/2" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	344.26	
		For Mounting Type FSW3003, Add Note: 3/4" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	377.05	
		For Mounting Type FSW3004, Add	400.04	

**46 Water And Wastewater Equipment**

46 80 Water Treatment Equipment

46 82 General Water Treatment Equipment



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MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0231	EA	0-5 VDC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Inline, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT) Inline Flowmeter With Integral Electronics For 1/2" Outside Diameter x 7" Length Pipe (Eldridge 8659MP-SSS-133)	3,065.50	21.81
		For Enclosure Type DCEX, Add Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX Double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; two 1-amp @ 30 VDC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);	322.41	
		For Enclosure Type ACEX, Add Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX Double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);	322.41	
		For Sensor Type HAS, Add Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)	2,163.94	
		For Display Type 133, Add Note: Display and Keypad - Flow Indicator Transmitter (FIT)	163.94	
		For Power Option AC115 (115 VAC), Add	202.19	
		For Power Option AC230 (230 VAC), Add	202.19	
		For Option MW075, Gas Temperature Maximum (167°F / 75°C), Add Note: AIR, Stack/Exhaust gas only. Consult factory if other	65.57	
		For Option MW100, Gas Temperature Maximum (212°F / 100°C), Add Note: AIR, Stack/Exhaust gas only. Consult factory if other	237.16	
		For Option MW125, Gas Temperature Maximum (257°F / 125°C), Add Note: AIR, Stack/Exhaust gas only. Consult factory if other	409.84	
		For Option MW150, Gas Temperature Maximum (302°F / 150°C), Add Note: AIR, Stack/Exhaust gas only. Consult factory if other	581.42	
		For Option MW175, Gas Temperature Maximum (347°F / 175°C), Add Note: AIR, Stack/Exhaust gas only. Consult factory if other	754.10	
		For Option MW200, Gas Temperature Maximum (392°F / 200°C), Add Note: AIR, Stack/Exhaust gas only. Consult factory if other	925.69	
		For Gas Option, AIR, Add Note: Air (Gas prices for pressure above 125 PSI, Consult Factory)	177.66	
		For Gas Option, AR, Add Note: Argon (Gas prices for pressure above 125 PSI, Consult Factory)	321.84	
		For Gas Option, CO2, Add Note: Carbon Dioxide (Gas prices for pressure above 125 PSI, Consult Factory)	229.95	
		For Gas Option, C2H6, Add Note: Ethane (Gas prices for pressure above 125 PSI, Consult Factory)	735.35	
		For Gas Option, C2H4, Add Note: Ethylene (Gas prices for pressure above 125 PSI, Consult Factory)	735.35	
		For Gas Option, He, Add Note: Helium (Gas prices for pressure above 125 PSI, Consult Factory)	708.02	
		For Gas Option, CH4, Add Note: Methane (Gas prices for pressure above 125 PSI, Consult Factory)	508.20	
		For Gas Option, CH4/CO2, Add Note: Methane and Carbon Dioxide - Mix (As Req'd.) (Gas prices for pressure above 125 PSI, Consult Factory)	576.57	
		For Gas Option, Nat.Gas., Add Note: Natural Gas (Methane Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)	508.20	
		For Gas Option, N2, Add Note: Nitrogen (Gas prices for pressure above 125 PSI, Consult Factory)	161.57	
		For Gas Option, O2, Add Note: O2 (Air Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)	177.66	
		For Gas Option, C2H8, Add Note: Propane (Gas prices for pressure above 125 PSI, Consult Factory)	358.30	
		For Mounting Type FSW1502, Add Note: 1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	251.37	
		For Mounting Type FSW1503, Add Note: 3/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	273.22	
		For Mounting Type FSW1504, Add Note: 1" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	300.55	
		For Mounting Type FSW1505, Add Note: 1-1/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	322.41	
		For Mounting Type FSW1506, Add Note: 1-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	360.66	
		For Mounting Type FSW1508, Add Note: 2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	420.77	
		For Mounting Type FSW1510, Add Note: 2-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	502.73	
		For Mounting Type FSW1512, Add Note: 3" Flange (150# Included with 3" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	590.17	
		For Mounting Type FSW1516, Add Note: 4" Flange (150# Included with 4" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	857.93	
		For Mounting Type FSW3002, Add Note: 1/2" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	344.26	
		For Mounting Type FSW3003, Add Note: 3/4" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	377.05	
		For Mounting Type FSW3004, Add	400.04	

**46 Water And Wastewater Equipment**

46 80 Water Treatment Equipment

46 82 General Water Treatment Equipment



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0232	EA	0-5 VDC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Inline, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT) Inline Flowmeter With Integral Electronics For 3/4" Outside Diameter x 7" Length Pipe (Eldridge 8669MP-SSS-133)	3,093.15	30.53
		For Enclosure Type DCEX, Add Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX Double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; two 1-amp @ 30 VDC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);	322.41	
		For Enclosure Type ACEX, Add Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX Double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);	322.41	
		For Sensor Type HAS, Add Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)	2,163.94	
		For Display Type 133, Add Note: Display and Keypad - Flow Indicator Transmitter (FIT)	163.94	
		For Power Option AC115 (115 VAC), Add	202.19	
		For Power Option AC230 (230 VAC), Add	202.19	
		For Option MW075, Gas Temperature Maximum (167°F / 75°C), Add Note: AIR, Stack/Exhaust gas only. Consult factory if other	65.57	
		For Option MW100, Gas Temperature Maximum (212°F / 100°C), Add Note: AIR, Stack/Exhaust gas only. Consult factory if other	237.16	
		For Option MW125, Gas Temperature Maximum (257°F / 125°C), Add Note: AIR, Stack/Exhaust gas only. Consult factory if other	409.84	
		For Option MW150, Gas Temperature Maximum (302°F / 150°C), Add Note: AIR, Stack/Exhaust gas only. Consult factory if other	581.42	
		For Option MW175, Gas Temperature Maximum (347°F / 175°C), Add Note: AIR, Stack/Exhaust gas only. Consult factory if other	754.10	
		For Option MW200, Gas Temperature Maximum (392°F / 200°C), Add Note: AIR, Stack/Exhaust gas only. Consult factory if other	925.69	
		For Gas Option, AIR, Add Note: Air (Gas prices for pressure above 125 PSI, Consult Factory)	177.66	
		For Gas Option, AR, Add Note: Argon (Gas prices for pressure above 125 PSI, Consult Factory)	321.84	
		For Gas Option, CO2, Add Note: Carbon Dioxide (Gas prices for pressure above 125 PSI, Consult Factory)	229.95	
		For Gas Option, C2H6, Add Note: Ethane (Gas prices for pressure above 125 PSI, Consult Factory)	735.35	
		For Gas Option, C2H4, Add Note: Ethylene (Gas prices for pressure above 125 PSI, Consult Factory)	735.35	
		For Gas Option, He, Add Note: Helium (Gas prices for pressure above 125 PSI, Consult Factory)	708.02	
		For Gas Option, CH4, Add Note: Methane (Gas prices for pressure above 125 PSI, Consult Factory)	508.20	
		For Gas Option, CH4/CO2, Add Note: Methane and Carbon Dioxide - Mix (As Req'd.) (Gas prices for pressure above 125 PSI, Consult Factory)	576.57	
		For Gas Option, Nat.Gas., Add Note: Natural Gas (Methane Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)	508.20	
		For Gas Option, N2, Add Note: Nitrogen (Gas prices for pressure above 125 PSI, Consult Factory)	161.57	
		For Gas Option, O2, Add Note: O2 (Air Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)	177.66	
		For Gas Option, C2H8, Add Note: Propane (Gas prices for pressure above 125 PSI, Consult Factory)	358.30	
		For Mounting Type FSW1502, Add Note: 1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	251.37	
		For Mounting Type FSW1503, Add Note: 3/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	273.22	
		For Mounting Type FSW1504, Add Note: 1" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	300.55	
		For Mounting Type FSW1505, Add Note: 1-1/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	322.41	
		For Mounting Type FSW1506, Add Note: 1-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	360.66	
		For Mounting Type FSW1508, Add Note: 2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	420.77	
		For Mounting Type FSW1510, Add Note: 2-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	502.73	
		For Mounting Type FSW1512, Add Note: 3" Flange (150# Included with 3" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	590.17	
		For Mounting Type FSW1516, Add Note: 4" Flange (150# Included with 4" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	857.93	
		For Mounting Type FSW3002, Add Note: 1/2" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	344.26	
		For Mounting Type FSW3003, Add Note: 3/4" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	377.05	
		For Mounting Type FSW3004, Add	400.04	

**46 Water And Wastewater Equipment**

46 80 Water Treatment Equipment

46 82 General Water Treatment Equipment



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MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0233	EA	0-5 VDC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Inline, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT) Inline Flowmeter With Integral Electronics For 1" Outside Diameter x 8" Length Pipe (Eldridge 8689MP-SSS-133)	3,118.26	34.90
		For Enclosure Type DCEX, Add Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX Double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; two 1-amp @ 30 VDC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);	322.41	
		For Enclosure Type ACEX, Add Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX Double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);	322.41	
		For Sensor Type HAS, Add Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)	2,163.94	
		For Display Type 133, Add Note: Display and Keypad - Flow Indicator Transmitter (FIT)	163.94	
		For Power Option AC115 (115 VAC), Add	202.19	
		For Power Option AC230 (230 VAC), Add	202.19	
		For Option MW075, Gas Temperature Maximum (167°F / 75°C), Add Note: AIR, Stack/Exhaust gas only. Consult factory if other	65.57	
		For Option MW100, Gas Temperature Maximum (212°F / 100°C), Add Note: AIR, Stack/Exhaust gas only. Consult factory if other	237.16	
		For Option MW125, Gas Temperature Maximum (257°F / 125°C), Add Note: AIR, Stack/Exhaust gas only. Consult factory if other	409.84	
		For Option MW150, Gas Temperature Maximum (302°F / 150°C), Add Note: AIR, Stack/Exhaust gas only. Consult factory if other	581.42	
		For Option MW175, Gas Temperature Maximum (347°F / 175°C), Add Note: AIR, Stack/Exhaust gas only. Consult factory if other	754.10	
		For Option MW200, Gas Temperature Maximum (392°F / 200°C), Add Note: AIR, Stack/Exhaust gas only. Consult factory if other	925.69	
		For Gas Option, AIR, Add Note: Air (Gas prices for pressure above 125 PSI, Consult Factory)	177.66	
		For Gas Option, AR, Add Note: Argon (Gas prices for pressure above 125 PSI, Consult Factory)	321.84	
		For Gas Option, CO2, Add Note: Carbon Dioxide (Gas prices for pressure above 125 PSI, Consult Factory)	229.95	
		For Gas Option, C2H6, Add Note: Ethane (Gas prices for pressure above 125 PSI, Consult Factory)	735.35	
		For Gas Option, C2H4, Add Note: Ethylene (Gas prices for pressure above 125 PSI, Consult Factory)	735.35	
		For Gas Option, He, Add Note: Helium (Gas prices for pressure above 125 PSI, Consult Factory)	708.02	
		For Gas Option, CH4, Add Note: Methane (Gas prices for pressure above 125 PSI, Consult Factory)	508.20	
		For Gas Option, CH4/CO2, Add Note: Methane and Carbon Dioxide - Mix (As Req'd.) (Gas prices for pressure above 125 PSI, Consult Factory)	576.57	
		For Gas Option, Nat.Gas., Add Note: Natural Gas (Methane Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)	508.20	
		For Gas Option, N2, Add Note: Nitrogen (Gas prices for pressure above 125 PSI, Consult Factory)	161.57	
		For Gas Option, O2, Add Note: O2 (Air Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)	177.66	
		For Gas Option, C2H8, Add Note: Propane (Gas prices for pressure above 125 PSI, Consult Factory)	358.30	
		For Mounting Type FSW1502, Add Note: 1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	251.37	
		For Mounting Type FSW1503, Add Note: 3/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	273.22	
		For Mounting Type FSW1504, Add Note: 1" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	300.55	
		For Mounting Type FSW1505, Add Note: 1-1/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	322.41	
		For Mounting Type FSW1506, Add Note: 1-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	360.66	
		For Mounting Type FSW1508, Add Note: 2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	420.77	
		For Mounting Type FSW1510, Add Note: 2-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	502.73	
		For Mounting Type FSW1512, Add Note: 3" Flange (150# Included with 3" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	590.17	
		For Mounting Type FSW1516, Add Note: 4" Flange (150# Included with 4" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	857.93	
		For Mounting Type FSW3002, Add Note: 1/2" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	344.26	
		For Mounting Type FSW3003, Add Note: 3/4" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	377.05	
		For Mounting Type FSW3004, Add	400.04	



**46 Water And Wastewater Equipment**

46 80 Water Treatment Equipment

46 82 General Water Treatment Equipment



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MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0234	EA	0-5 VDC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Inline, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT) Inline Flowmeter With Integral Electronics For 1-1/4" Outside Diameter x 10" Length Pipe (Eldridge 8710MP-SSS-133) .....	3,152.10	43.63
		For Enclosure Type DCEX, Add	322.41	
		Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX Double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; two 1-amp @ 30 VDC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);		
		For Enclosure Type ACEX, Add	322.41	
		Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX Double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);		
		For Sensor Type HAS, Add	2,163.94	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display Type 133, Add	163.94	
		Note: Display and Keypad - Flow Indicator Transmitter (FIT)		
		For Power Option AC115 (115 VAC), Add	202.19	
		For Power Option AC230 (230 VAC), Add	202.19	
		For Option MW075, Gas Temperature Maximum (167°F / 75°C), Add	65.57	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW100, Gas Temperature Maximum (212°F / 100°C), Add	237.16	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW125, Gas Temperature Maximum (257°F / 125°C), Add	409.84	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW150, Gas Temperature Maximum (302°F / 150°C), Add	581.42	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW175, Gas Temperature Maximum (347°F / 175°C), Add	754.10	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Option MW200, Gas Temperature Maximum (392°F / 200°C), Add	925.69	
		Note: AIR, Stack/Exhaust gas only. Consult factory if other		
		For Gas Option, AIR, Add	177.66	
		Note: Air (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, AR, Add	321.84	
		Note: Argon (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, CO2, Add	229.95	
		Note: Carbon Dioxide (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, C2H6, Add	735.35	
		Note: Ethane (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, C2H4, Add	735.35	
		Note: Ethylene (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, He, Add	708.02	
		Note: Helium (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, CH4, Add	508.20	
		Note: Methane (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, CH4/CO2, Add	576.57	
		Note: Methane and Carbon Dioxide - Mix (As Req'd.) (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, Nat.Gas., Add	508.20	
		Note: Natural Gas (Methane Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, N2, Add	161.57	
		Note: Nitrogen (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, O2, Add	177.66	
		Note: O2 (Air Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Gas Option, C2H8, Add	358.30	
		Note: Propane (Gas prices for pressure above 125 PSI, Consult Factory)		
		For Mounting Type FSW1502, Add	251.37	
		Note: 1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW1503, Add	273.22	
		Note: 3/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW1504, Add	300.55	
		Note: 1" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW1505, Add	322.41	
		Note: 1-1/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW1506, Add	360.66	
		Note: 1-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW1508, Add	420.77	
		Note: 2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW1510, Add	502.73	
		Note: 2-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW1512, Add	590.17	
		Note: 3" Flange (150# Included with 3" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW1516, Add	857.93	
		Note: 4" Flange (150# Included with 4" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW3002, Add	344.26	
		Note: 1/2" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW3003, Add	377.05	
		Note: 3/4" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		
		For Mounting Type FSW3004, Add	400.04	
		Note: 1" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations		

**46 Water And Wastewater Equipment**

46 80 Water Treatment Equipment

46 82 General Water Treatment Equipment



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0235	EA	0-5 VDC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Inline, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT) Inline Flowmeter With Integral Electronics For 1-1/2" Outside Diameter x 14" Length Pipe (Eldridge 8712MP-SSS-133) .....	3,185.96	52.35
		<i>For Enclosure Type DCEX, Add</i>	322.41	
		<i>Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX Double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; two 1-amp @ 30 VDC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);</i>		
		<i>For Enclosure Type ACEX, Add</i>	322.41	
		<i>Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX Double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);</i>		
		<i>For Sensor Type HAS, Add</i>	2,163.94	
		<i>Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)</i>		
		<i>For Display Type 133, Add</i>	163.94	
		<i>Note: Display and Keypad - Flow Indicator Transmitter (FIT)</i>		
		<i>For Power Option AC115 (115 VAC), Add</i>	202.19	
		<i>For Power Option AC230 (230 VAC), Add</i>	202.19	
		<i>For Option MW075, Gas Temperature Maximum (167°F / 75°C), Add</i>	65.57	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Option MW100, Gas Temperature Maximum (212°F / 100°C), Add</i>	237.16	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Option MW125, Gas Temperature Maximum (257°F / 125°C), Add</i>	409.84	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Option MW150, Gas Temperature Maximum (302°F / 150°C), Add</i>	581.42	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Option MW175, Gas Temperature Maximum (347°F / 175°C), Add</i>	754.10	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Option MW200, Gas Temperature Maximum (392°F / 200°C), Add</i>	925.69	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Gas Option, AIR, Add</i>	177.66	
		<i>Note: Air (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, AR, Add</i>	321.84	
		<i>Note: Argon (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, CO2, Add</i>	229.95	
		<i>Note: Carbon Dioxide (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, C2H6, Add</i>	735.35	
		<i>Note: Ethane (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, C2H4, Add</i>	735.35	
		<i>Note: Ethylene (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, He, Add</i>	708.02	
		<i>Note: Helium (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, CH4, Add</i>	508.20	
		<i>Note: Methane (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, CH4/CO2, Add</i>	576.57	
		<i>Note: Methane and Carbon Dioxide - Mix (As Req'd.) (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, Nat.Gas., Add</i>	508.20	
		<i>Note: Natural Gas (Methane Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, N2, Add</i>	161.57	
		<i>Note: Nitrogen (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, O2, Add</i>	177.66	
		<i>Note: O2 (Air Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, C2H8, Add</i>	358.30	
		<i>Note: Propane (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Mounting Type FSW1502, Add</i>	251.37	
		<i>Note: 1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1503, Add</i>	273.22	
		<i>Note: 3/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1504, Add</i>	300.55	
		<i>Note: 1" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1505, Add</i>	322.41	
		<i>Note: 1-1/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1506, Add</i>	360.66	
		<i>Note: 1-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1508, Add</i>	420.77	
		<i>Note: 2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1510, Add</i>	502.73	
		<i>Note: 2-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1512, Add</i>	590.17	
		<i>Note: 3" Flange (150# Included with 3" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1516, Add</i>	857.93	
		<i>Note: 4" Flange (150# Included with 4" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW3002, Add</i>	344.26	
		<i>Note: 1/2" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW3003, Add</i>	377.05	
		<i>Note: 3/4" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW3004, Add</i>	400.04	
		<i>Note: 1/2" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		

**46 Water And Wastewater Equipment**

46 80 Water Treatment Equipment

46 82 General Water Treatment Equipment



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MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0236	EA	0-5 VDC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Inline, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT) Inline Flowmeter With Integral Electronics For 2" Outside Diameter x 14" Length Pipe (Eldridge 8716MP-SSS-133)	3,230.73	61.08
		For Enclosure Type DCEX, Add Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX Double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; two 1-amp @ 30 VDC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);	322.41	
		For Enclosure Type ACEX, Add Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX Double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);	322.41	
		For Sensor Type HAS, Add Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)	2,163.94	
		For Display Type 133, Add Note: Display and Keypad - Flow Indicator Transmitter (FIT)	163.94	
		For Power Option AC115 (115 VAC), Add	202.19	
		For Power Option AC230 (230 VAC), Add	202.19	
		For Option MW075, Gas Temperature Maximum (167°F / 75°C), Add Note: AIR, Stack/Exhaust gas only. Consult factory if other	65.57	
		For Option MW100, Gas Temperature Maximum (212°F / 100°C), Add Note: AIR, Stack/Exhaust gas only. Consult factory if other	237.16	
		For Option MW125, Gas Temperature Maximum (257°F / 125°C), Add Note: AIR, Stack/Exhaust gas only. Consult factory if other	409.84	
		For Option MW150, Gas Temperature Maximum (302°F / 150°C), Add Note: AIR, Stack/Exhaust gas only. Consult factory if other	581.42	
		For Option MW175, Gas Temperature Maximum (347°F / 175°C), Add Note: AIR, Stack/Exhaust gas only. Consult factory if other	754.10	
		For Option MW200, Gas Temperature Maximum (392°F / 200°C), Add Note: AIR, Stack/Exhaust gas only. Consult factory if other	925.69	
		For Gas Option, AIR, Add Note: Air (Gas prices for pressure above 125 PSI, Consult Factory)	177.66	
		For Gas Option, AR, Add Note: Argon (Gas prices for pressure above 125 PSI, Consult Factory)	321.84	
		For Gas Option, CO2, Add Note: Carbon Dioxide (Gas prices for pressure above 125 PSI, Consult Factory)	229.95	
		For Gas Option, C2H6, Add Note: Ethane (Gas prices for pressure above 125 PSI, Consult Factory)	735.35	
		For Gas Option, C2H4, Add Note: Ethylene (Gas prices for pressure above 125 PSI, Consult Factory)	735.35	
		For Gas Option, He, Add Note: Helium (Gas prices for pressure above 125 PSI, Consult Factory)	708.02	
		For Gas Option, CH4, Add Note: Methane (Gas prices for pressure above 125 PSI, Consult Factory)	508.20	
		For Gas Option, CH4/CO2, Add Note: Methane and Carbon Dioxide - Mix (As Req'd.) (Gas prices for pressure above 125 PSI, Consult Factory)	576.57	
		For Gas Option, Nat.Gas., Add Note: Natural Gas (Methane Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)	508.20	
		For Gas Option, N2, Add Note: Nitrogen (Gas prices for pressure above 125 PSI, Consult Factory)	161.57	
		For Gas Option, O2, Add Note: O2 (Air Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)	177.66	
		For Gas Option, C2H8, Add Note: Propane (Gas prices for pressure above 125 PSI, Consult Factory)	358.30	
		For Mounting Type FSW1502, Add Note: 1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	251.37	
		For Mounting Type FSW1503, Add Note: 3/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	273.22	
		For Mounting Type FSW1504, Add Note: 1" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	300.55	
		For Mounting Type FSW1505, Add Note: 1-1/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	322.41	
		For Mounting Type FSW1506, Add Note: 1-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	360.66	
		For Mounting Type FSW1508, Add Note: 2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	420.77	
		For Mounting Type FSW1510, Add Note: 2-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	502.73	
		For Mounting Type FSW1512, Add Note: 3" Flange (150# Included with 3" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	590.17	
		For Mounting Type FSW1516, Add Note: 4" Flange (150# Included with 4" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	857.93	
		For Mounting Type FSW3002, Add Note: 1/2" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	344.26	
		For Mounting Type FSW3003, Add Note: 3/4" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	377.05	
		For Mounting Type FSW3004, Add	400.04	

**46 Water And Wastewater Equipment**

46 80 Water Treatment Equipment

46 82 General Water Treatment Equipment



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0237	EA	0-5 VDC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Inline, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT) Inline Flowmeter With Integral Electronics For 2-1/2" Outside Diameter x 14" Length Pipe (Eldridge 8720MP-SSS-133) .....	3,285.70	69.07
		<i>For Enclosure Type DCEX, Add</i>	322.41	
		<i>Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX Double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; two 1-amp @ 30 VDC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);</i>		
		<i>For Enclosure Type ACEX, Add</i>	322.41	
		<i>Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX Double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);</i>		
		<i>For Sensor Type HAS, Add</i>	2,163.94	
		<i>Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)</i>		
		<i>For Display Type 133, Add</i>	163.94	
		<i>Note: Display and Keypad - Flow Indicator Transmitter (FIT)</i>		
		<i>For Power Option AC115 (115 VAC), Add</i>	202.19	
		<i>For Power Option AC230 (230 VAC), Add</i>	202.19	
		<i>For Option MW075, Gas Temperature Maximum (167°F / 75°C), Add</i>	65.57	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Option MW100, Gas Temperature Maximum (212°F / 100°C), Add</i>	237.16	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Option MW125, Gas Temperature Maximum (257°F / 125°C), Add</i>	409.84	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Option MW150, Gas Temperature Maximum (302°F / 150°C), Add</i>	581.42	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Option MW175, Gas Temperature Maximum (347°F / 175°C), Add</i>	754.10	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Option MW200, Gas Temperature Maximum (392°F / 200°C), Add</i>	925.69	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Gas Option, AIR, Add</i>	177.66	
		<i>Note: Air (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, AR, Add</i>	321.84	
		<i>Note: Argon (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, CO2, Add</i>	229.95	
		<i>Note: Carbon Dioxide (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, C2H6, Add</i>	735.35	
		<i>Note: Ethane (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, C2H4, Add</i>	735.35	
		<i>Note: Ethylene (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, He, Add</i>	708.02	
		<i>Note: Helium (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, CH4, Add</i>	508.20	
		<i>Note: Methane (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, CH4/CO2, Add</i>	576.57	
		<i>Note: Methane and Carbon Dioxide - Mix (As Req'd.) (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, Nat.Gas., Add</i>	508.20	
		<i>Note: Natural Gas (Methane Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, N2, Add</i>	161.57	
		<i>Note: Nitrogen (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, O2, Add</i>	177.66	
		<i>Note: O2 (Air Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, C2H8, Add</i>	358.30	
		<i>Note: Propane (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Mounting Type FSW1502, Add</i>	251.37	
		<i>Note: 1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1503, Add</i>	273.22	
		<i>Note: 3/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1504, Add</i>	300.55	
		<i>Note: 1" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1505, Add</i>	322.41	
		<i>Note: 1-1/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1506, Add</i>	360.66	
		<i>Note: 1-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1508, Add</i>	420.77	
		<i>Note: 2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1510, Add</i>	502.73	
		<i>Note: 2-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1512, Add</i>	590.17	
		<i>Note: 3" Flange (150# Included with 3" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1516, Add</i>	857.93	
		<i>Note: 4" Flange (150# Included with 4" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW3002, Add</i>	344.26	
		<i>Note: 1/2" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW3003, Add</i>	377.05	
		<i>Note: 3/4" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW3004, Add</i>	400.04	
		<i>Note: 1/2" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		



**46 Water And Wastewater Equipment**

46 80 Water Treatment Equipment

46 82 General Water Treatment Equipment



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MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0238	EA	0-5 VDC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Inline, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT) Inline Flowmeter With Integral Electronics For 3" Outside Diameter x 14" Length Pipe (Eldridge 8724MP-SSS-133)	4,499.16	77.80
		<i>For Enclosure Type DCEX, Add</i>	322.41	
		<i>Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX Double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; two 1-amp @ 30 VDC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);</i>		
		<i>For Enclosure Type ACEX, Add</i>	322.41	
		<i>Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX Double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);</i>		
		<i>For Sensor Type HAS, Add</i>	2,163.94	
		<i>Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)</i>		
		<i>For Display Type 133, Add</i>	163.94	
		<i>Note: Display and Keypad - Flow Indicator Transmitter (FIT)</i>		
		<i>For Power Option AC115 (115 VAC), Add</i>	202.19	
		<i>For Power Option AC230 (230 VAC), Add</i>	202.19	
		<i>For Option MW075, Gas Temperature Maximum (167°F / 75°C), Add</i>	65.57	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Option MW100, Gas Temperature Maximum (212°F / 100°C), Add</i>	237.16	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Option MW125, Gas Temperature Maximum (257°F / 125°C), Add</i>	409.84	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Option MW150, Gas Temperature Maximum (302°F / 150°C), Add</i>	581.42	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Option MW175, Gas Temperature Maximum (347°F / 175°C), Add</i>	754.10	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Option MW200, Gas Temperature Maximum (392°F / 200°C), Add</i>	925.69	
		<i>Note: AIR, Stack/Exhaust gas only. Consult factory if other</i>		
		<i>For Gas Option, AIR, Add</i>	177.66	
		<i>Note: Air (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, AR, Add</i>	321.84	
		<i>Note: Argon (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, CO2, Add</i>	229.95	
		<i>Note: Carbon Dioxide (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, C2H6, Add</i>	735.35	
		<i>Note: Ethane (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, C2H4, Add</i>	735.35	
		<i>Note: Ethylene (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, He, Add</i>	708.02	
		<i>Note: Helium (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, CH4, Add</i>	508.20	
		<i>Note: Methane (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, CH4/CO2, Add</i>	576.57	
		<i>Note: Methane and Carbon Dioxide - Mix (As Req'd.) (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, Nat.Gas., Add</i>	508.20	
		<i>Note: Natural Gas (Methane Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, N2, Add</i>	161.57	
		<i>Note: Nitrogen (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, O2, Add</i>	177.66	
		<i>Note: O2 (Air Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Gas Option, C2H8, Add</i>	358.30	
		<i>Note: Propane (Gas prices for pressure above 125 PSI, Consult Factory)</i>		
		<i>For Mounting Type FSW1502, Add</i>	251.37	
		<i>Note: 1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1503, Add</i>	273.22	
		<i>Note: 3/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1504, Add</i>	300.55	
		<i>Note: 1" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1505, Add</i>	322.41	
		<i>Note: 1-1/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1506, Add</i>	360.66	
		<i>Note: 1-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1508, Add</i>	420.77	
		<i>Note: 2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1510, Add</i>	502.73	
		<i>Note: 2-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1512, Add</i>	590.17	
		<i>Note: 3" Flange (150# Included with 3" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW1516, Add</i>	857.93	
		<i>Note: 4" Flange (150# Included with 4" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW3002, Add</i>	344.26	
		<i>Note: 1/2" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW3003, Add</i>	377.05	
		<i>Note: 3/4" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		
		<i>For Mounting Type FSW3004, Add</i>	400.04	
		<i>Note: 1" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations</i>		

**46 Water And Wastewater Equipment**

46 80 Water Treatment Equipment

46 82 General Water Treatment Equipment



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MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0239	EA	0-5 VDC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Inline, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT) Inline Flowmeter With Integral Electronics For 4" Outside Diameter x 14" Length Pipe (Eldridge 8732MP-SSS-133)	5,046.47	130.15
		For Enclosure Type DCEX, Add Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX Double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; two 1-amp @ 30 VDC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);	322.41	
		For Enclosure Type ACEX, Add Note: • REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX Double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5VDC(2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C (Provide required "Cable Length" option upon order. \$2/ft 10ft standard);	322.41	
		For Sensor Type HAS, Add Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)	2,163.94	
		For Display Type 133, Add Note: Display and Keypad - Flow Indicator Transmitter (FIT)	163.94	
		For Power Option AC115 (115 VAC), Add	202.19	
		For Power Option AC230 (230 VAC), Add	202.19	
		For Option MW075, Gas Temperature Maximum (167°F / 75°C), Add Note: AIR, Stack/Exhaust gas only. Consult factory if other	65.57	
		For Option MW100, Gas Temperature Maximum (212°F / 100°C), Add Note: AIR, Stack/Exhaust gas only. Consult factory if other	237.16	
		For Option MW125, Gas Temperature Maximum (257°F / 125°C), Add Note: AIR, Stack/Exhaust gas only. Consult factory if other	409.84	
		For Option MW150, Gas Temperature Maximum (302°F / 150°C), Add Note: AIR, Stack/Exhaust gas only. Consult factory if other	581.42	
		For Option MW175, Gas Temperature Maximum (347°F / 175°C), Add Note: AIR, Stack/Exhaust gas only. Consult factory if other	754.10	
		For Option MW200, Gas Temperature Maximum (392°F / 200°C), Add Note: AIR, Stack/Exhaust gas only. Consult factory if other	925.69	
		For Gas Option, AIR, Add Note: Air (Gas prices for pressure above 125 PSI, Consult Factory)	177.66	
		For Gas Option, AR, Add Note: Argon (Gas prices for pressure above 125 PSI, Consult Factory)	321.84	
		For Gas Option, CO2, Add Note: Carbon Dioxide (Gas prices for pressure above 125 PSI, Consult Factory)	229.95	
		For Gas Option, C2H6, Add Note: Ethane (Gas prices for pressure above 125 PSI, Consult Factory)	735.35	
		For Gas Option, C2H4, Add Note: Ethylene (Gas prices for pressure above 125 PSI, Consult Factory)	735.35	
		For Gas Option, He, Add Note: Helium (Gas prices for pressure above 125 PSI, Consult Factory)	708.02	
		For Gas Option, CH4, Add Note: Methane (Gas prices for pressure above 125 PSI, Consult Factory)	508.20	
		For Gas Option, CH4/CO2, Add Note: Methane and Carbon Dioxide - Mix (As Req'd.) (Gas prices for pressure above 125 PSI, Consult Factory)	576.57	
		For Gas Option, Nat.Gas., Add Note: Natural Gas (Methane Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)	508.20	
		For Gas Option, N2, Add Note: Nitrogen (Gas prices for pressure above 125 PSI, Consult Factory)	161.57	
		For Gas Option, O2, Add Note: O2 (Air Substitute ) (Gas prices for pressure above 125 PSI, Consult Factory)	177.66	
		For Gas Option, C2H8, Add Note: Propane (Gas prices for pressure above 125 PSI, Consult Factory)	358.30	
		For Mounting Type FSW1502, Add Note: 1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	251.37	
		For Mounting Type FSW1503, Add Note: 3/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	273.22	
		For Mounting Type FSW1504, Add Note: 1" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	300.55	
		For Mounting Type FSW1505, Add Note: 1-1/4" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	322.41	
		For Mounting Type FSW1506, Add Note: 1-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	360.66	
		For Mounting Type FSW1508, Add Note: 2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	420.77	
		For Mounting Type FSW1510, Add Note: 2-1/2" Flange; 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	502.73	
		For Mounting Type FSW1512, Add Note: 3" Flange (150# Included with 3" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	590.17	
		For Mounting Type FSW1516, Add Note: 4" Flange (150# Included with 4" flow body); 150# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	857.93	
		For Mounting Type FSW3002, Add Note: 1/2" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	344.26	
		For Mounting Type FSW3003, Add Note: 3/4" Flange; 300# ANSI Flange welded to flow body; Refer to ANSI specifications for application design considerations	377.05	
		For Mounting Type FSW3004, Add	400.04	

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0240			<b>Options And Accessories For MP Series Flowmeters</b> <small>(46 82 83 00-0209)</small>		
46 82 83 00-0241	LF		10' To 99' Cable Length Between FE/FT And Remote FT/FIT (Eldridge CBL) .....	2.19	
46 82 83 00-0242	EA		Stainless Steel Identification Tag (Eldridge TAG) .....	49.18	
46 82 83 00-0243	EA		HART Communications Module (Eldridge HART).....	322.41	
46 82 83 00-0244	EA		Profibus DP Communications Module (Eldridge Profibus DP).....	322.41	
46 82 83 00-0245	EA		1/2" Tube x 1/2" MNPT, Compression Fitting (Eldridge TPM0808S).....	71.04	
46 82 83 00-0246	EA		1/2" Tube x 3/4" MNPT, Compression Fitting (Eldridge TPM0812S).....	92.90	
46 82 83 00-0247	EA		3/4" tube x 3/4" MNPT, Compression Fitting (Eldridge TPM1212S).....	109.29	
46 82 83 00-0248	EA		3/4" tube x 1" MNPT, Compression Fitting (Eldridge TPM1216S).....	196.72	
46 82 83 00-0249	EA		1" tube x 1" MNPT, Compression Fitting (Eldridge TPM1616S).....	191.26	
46 82 83 00-0250	EA		1/2" Probe Bore/Seal x 3/4" NPT x 10" Long, Ball Valve (Eldridge BVR0812T).....	453.55	
46 82 83 00-0251	EA		3/4" Probe Bore/Seal x 1" NPT x 11" Long, Ball Valve (Eldridge BVR1216T).....	584.70	
46 82 83 00-0252	EA		1" Probe Bore/Seal x 1-1/4" NPT x 12" Long, Ball Valve (Eldridge BVR1620T).....	1,174.87	
46 82 83 00-0253	EA		Ball Valve Retractor Assembly With Medium Pressure Extractor Assembly For 1/2" Outside Diameter Probe (Eldridge MPR0812).....	4,918.05	
46 82 83 00-0254			<b>Flow Equipment (FCI)</b> <small>(46 82 83 00-0099)</small>		
46 82 83 00-0255			<b>Flow Meter</b> <small>(46 82 83 00-0254)</small>		
46 82 83 00-0256	EA		Digester And Air Gas-Calibrated Flow Meter, 316 Stainless Steel, Insertion Type, NEMA 4X, 25' Cable, 4-20mAdc, 1.25" MNPT Process Connection. Model: FCI #FCI M/N ST98-11PA02DABCF .....	5,405.18	30.97
			<i>For One 1.25" FNPT Threaded Full Port Stainless Steel Ball Valve, Add</i> .....	450.00	
			<i>Note: Valve, Add</i> .....		
			<i>For Calibrator Kit, Add</i> .....	450.00	
			<i>For Each Day Of On-Site Factory Wiring Check And Flow Meter Training Class, Add</i> .....	800.00	
			<i>Note: Training Class, Add</i> .....		
46 82 83 00-0257	EA		Natural Gas-Calibrated Flow Meter, 316 Stainless Steel, Insertion Type, NEMA 4X, 25' Cable, 4-20mAdc, 1.25" MNPT Process Connection. Model: FCI #FCI M/N ST98-11WT02DABFF.....	6,036.03	30.97
			<i>For One 1.25" FNPT Threaded Full Port Stainless Steel Ball Valve, Add</i> .....	450.00	
			<i>Note: Valve, Add</i> .....		
			<i>For Calibrator Kit, Add</i> .....	450.00	
			<i>For Each Day Of On-Site Factory Wiring Check And Flow Meter Training Class, Add</i> .....	800.00	
			<i>Note: Training Class, Add</i> .....		
46 82 83 00-0258			<b>Flow Switches</b> <small>(46 82 83 00-0254)</small>		
46 82 83 00-0259	EA		Thermal Dispersion Flow Switch, 316 Stainless Steel, 3/4" MNPT Process Connection, NEMA 4X. Model: FCI #FCI M/N FLT93S-1B1A103C1A01000.....	1,175.51	16.30
46 82 83 00-0260			<b>Flow Conditioners</b> <small>(46 82 83 00-0254)</small>		
46 82 83 00-0261	EA		2" Diameter Pipe Flow Conditioner, Insertion Sleeve Type 316 Stainless Steel. Model: FCI #FCI M/N VISXXX2100 .....	653.76	47.26
46 82 83 00-0262	EA		3" Diameter Pipe Flow Conditioner, Insertion Sleeve Type 316 Stainless Steel. Model: FCI #FCI M/N VISXXX2100 .....	734.60	73.34
46 82 83 00-0263	EA		4" Diameter Pipe Flow Conditioner, Insertion Sleeve Type 316 Stainless Steel. Model: FCI #FCI M/N VISXXX2100 .....	954.26	118.64
46 82 83 00-0264	EA		6" Diameter Pipe Flow Conditioner, Insertion Sleeve Type 316 Stainless Steel. Model: FCI #FCI M/N VISXXX2100 .....	1,479.60	130.38
46 82 83 00-0265	EA		8" Diameter Pipe Flow Conditioner, Insertion Sleeve Type 316 Stainless Steel. Model: FCI #FCI M/N VISXXX2100 .....	3,299.92	195.56
46 82 83 00-0266	EA		10" Diameter Pipe Flow Conditioner, Insertion Sleeve Type 316 Stainless Steel. Model: FCI #FCI M/N VISXXX2100 .....	4,327.88	228.09
46 82 83 00-0267	EA		12" Diameter Pipe Flow Conditioner, Insertion Sleeve Type 316 Stainless Steel. Model: FCI #FCI M/N VISXXX2100 .....	4,568.97	276.99
46 82 83 00-0268	EA		14" Diameter Pipe Flow Conditioner, Insertion Sleeve Type 316 Stainless Steel. Model: FCI #FCI M/N VISXXX2100 .....	6,172.29	325.81
46 82 83 00-0269	EA		16" Diameter Pipe Flow Conditioner, Insertion Sleeve Type 316 Stainless Steel. Model: FCI #FCI M/N VISXXX2100 .....	6,732.85	391.00
46 82 83 00-0270	EA		18" Diameter Pipe Flow Conditioner, Insertion Sleeve Type 316 Stainless Steel. Model: FCI #FCI M/N VISXXX2100 .....	8,274.20	408.86
46 82 83 00-0271			<b>Flow Equipment (Flexim)</b> <small>(46 82 83 00-0099)</small>		
46 82 83 00-0272	EA		Large Pipe Ultrasonic Flow Meter Solution (Flexim 7407MC.LARGE.DEP) .....	14,450.36	182.52
			<i>Note: Includes one ADM 7407 Dual Channel Permanent Flowmeter (FLUXUS Type F704) With NEMA 4X with LCD display and keypad; 2 x 4 to 20mA active outputs, 3 x solid state relay; and 100 to 240 VAC, RS-232 and data logger standard. Includes pair of type G clamp-on flow transducers With pipe diameter range 12" to 255", with 16.4' cable; temperature -40 to +266 degree F, includes coupling pads; type: CDG1N52; and calibration is traceable to NIST and A2LA/ISO 17025 accredited. Includes permaLok type K, G, H mounting track with stainless steel SS304 track and SOLID BAND strap kit; DIRECT/REFLECT mount installation in two tracks; and pipe diameter range of 12" to 100".</i>		
46 82 83 00-0273	EA		Small Pipe Ultrasonic Flow Meter Solution (Flexim 7407SC.SMALL.DEP) .....	7,169.46	182.52
			<i>Note: Includes one ADM 7407 Single Channel Permanent Flowmeter (FLUXUS Type F704) With NEMA 4X with LCD display and keypad; 1 x 4 to 20mA active outputs, 3 x solid state relay; and 100 to 240 VAC, RS-232 and data logger standard. Includes pair of type M clamp-on flow transducers With pipe diameter range 4" to 24", with 13.1' cable; temperature -40 to +266 degree F, includes coupling pads; type: CDM2N52; and calibration is traceable to NIST and A2LA/ISO 17025 accredited. Includes permaLok type M/P mounting track with stainless steel SS304 track and strapping; DIRECT/REFLECT mount installation in two tracks; and pipe diameter range of 3" to 12".</i>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0274 LF Extension Cable (Flexim DUAL TRIAX Xdcr) ..... Note: Includes two inner conductor Triaxil shielded cable, 0.50" Max OD with halogen free FRNC, ONE cable required per transducer pair; full reel length 2000'.	4.88	0.29
46 82 83 00-0275 EA J-Box For Cable Extension Of FLOW Sensor (Flexim) ..... Note: Stainless Steel 316 construction; standard TS connection; IP 67 / NEMA 6 (submersible to 1 meter)	352.07	36.69
<b>46 82 83 00-0276 Flow Equipment (Foxboro) <small>(46 82 83 00-0099)</small></b>		
<b>46 82 83 00-0277 Magnetic Flow Meters For Chlorine Service <small>(46 82 83 00-0276)</small></b>		
46 82 83 00-0278 EA 1" Diameter Pipe Magnetic Flowtube (Meter), For Chlorine Service, 304 Stainless Steel, Polytetrafluoroethylene (PTFE) Lining Material, Titanium Electrodes, NEMA 4, Remote Transmitter. Model: Foxboro Company #93XA-SIBA-TTJ-GN .....	2,387.02	23.80
46 82 83 00-0279 EA 2" Diameter Pipe Magnetic Flowtube (Meter), For Chlorine Service, 304 Stainless Steel, Polytetrafluoroethylene (PTFE) Lining Material, Titanium Electrodes, NEMA 4, Remote Transmitter. Model: Foxboro Company #93XA-SIBA-TTJ-GN .....	2,676.48	47.26
46 82 83 00-0280 EA 3" Diameter Pipe Magnetic Flowtube (Meter), For Chlorine Service, 304 Stainless Steel, Polytetrafluoroethylene (PTFE) Lining Material, Titanium Electrodes, NEMA 4, Remote Transmitter. Model: Foxboro Company #93XA-SIBA-TTJ-GN .....	2,849.84	73.34
46 82 83 00-0281 EA 4" Diameter Pipe Magnetic Flowtube (Meter), For Chlorine Service, 304 Stainless Steel, Polytetrafluoroethylene (PTFE) Lining Material, Titanium Electrodes, NEMA 4, Remote Transmitter. Model: Foxboro Company #93XA-SIBA-TTJ-GN .....	3,293.54	118.64
46 82 83 00-0282 EA 6" Diameter Pipe Magnetic Flowtube (Meter), For Chlorine Service, 304 Stainless Steel, Polytetrafluoroethylene (PTFE) Lining Material, Titanium Electrodes, NEMA 4, Remote Transmitter. Model: Foxboro Company #93XA-SIBA-TTJ-GN .....	4,420.18	130.38
46 82 83 00-0283 EA 8" Diameter Pipe Magnetic Flowtube (Meter), For Chlorine Service, 304 Stainless Steel, Polytetrafluoroethylene (PTFE) Lining Material, Titanium Electrodes, NEMA 4, Remote Transmitter. Model: Foxboro Company #93XA-SIBA-TTJ-GN .....	6,853.51	195.56
46 82 83 00-0284 EA 10" Diameter Pipe Magnetic Flowtube (Meter), For Chlorine Service, 304 Stainless Steel, Polytetrafluoroethylene (PTFE) Lining Material, Titanium Electrodes, NEMA 4, Remote Transmitter. Model: Foxboro Company #93XA-SIBA-TTJ-GN .....	9,249.50	228.09
46 82 83 00-0285 EA 12" Diameter Pipe Magnetic Flowtube (Meter), For Chlorine Service, 304 Stainless Steel, Polytetrafluoroethylene (PTFE) Lining Material, Titanium Electrodes, NEMA 4, Remote Transmitter. Model: Foxboro Company #93XA-SIBA-TTJ-GN .....	11,190.84	276.99
<b>46 82 83 00-0286 Magnetic Flow Meters For Raw Sewage Service <small>(46 82 83 00-0276)</small></b>		
46 82 83 00-0287 EA 12" Diameter Pipe Magnetic Flowtube (Meter), Foxboro Company #93XA-SIBA-ASJ-GM .....	9,638.85	276.99
46 82 83 00-0288 EA 14" Diameter Pipe Magnetic Flowtube (Meter), Foxboro Company #93XA-SIBA-ASJ-GM .....	12,668.07	325.81
46 82 83 00-0289 EA 16" Diameter Pipe Magnetic Flowtube (Meter), Foxboro Company #93XA-SIBA-ASJ-GM .....	14,640.74	391.00
46 82 83 00-0290 EA 18" Diameter Pipe Magnetic Flowtube (Meter), Foxboro Company #93XA-SIBA-ASJ-GM .....	16,627.92	408.86
46 82 83 00-0291 EA 24" Diameter Pipe Magnetic Flowtube (Meter), Foxboro Company #93XA-SIBA-ASJ-GM .....	22,476.94	551.30
46 82 83 00-0292 EA 30" Diameter Pipe Magnetic Flowtube (Meter), Foxboro Company #93XA-SIBA-ASJ-GM .....	41,785.42	879.97
46 82 83 00-0293 EA 36" Diameter Pipe Magnetic Flowtube (Meter), Foxboro Company #93XA-SIBA-ASJ-GM .....	48,563.58	1,759.95
<b>46 82 83 00-0294 Magnetic Flow Transmitter <small>(46 82 83 00-0276)</small></b>		
46 82 83 00-0295 EA Magnetic Flow Transmitter, Surface Mounting, HART Protocol, Model: Foxboro Company #IMT25-SEATA10M or N .....	1,856.08	24.44
<b>46 82 83 00-0296 Flow Equipment (Kates) <small>(46 82 83 00-0099)</small></b>		
<b>46 82 83 00-0297 316 Stainless Steel Automatic Flow Rate Controllers <small>(46 82 83 00-0296)</small></b>		
46 82 83 00-0298 EA 0.02 - 0.5 GPM 316 Stainless Steel Automatic Flow Rate Controller, Kates #AB11T-B..... Note: 10 - 150 PSI differential pressure range, 1/2" FNPT connections, teflon seals, and dial lock device. For Actuator, Worcester #AW14 With Peaktronics Controls, 120 Volt AC, Add Note: 120 VAC, Add	2,131.35 2,060.00 410.00	16.30
46 82 83 00-0299 EA 0.05 - 1 GPM 316 Stainless Steel Automatic Flow Rate Controller, Kates #BB11T-B..... Note: 10 - 150 PSI differential pressure range, 1/2" FNPT connections, teflon seals, and dial lock device. For Actuator, Worcester #AW14 With Peaktronics Controls, 120 Volt AC, Add Note: 120 VAC, Add	2,131.35 2,060.00 410.00	16.30
46 82 83 00-0300 EA 0.1 - 3 GPM 316 Stainless Steel Automatic Flow Rate Controller, Kates #CB11T-B..... Note: 10 - 150 PSI differential pressure range, 1/2" FNPT connections, teflon seals, and dial lock device. For Actuator, Worcester #AW14 With Peaktronics Controls, 120 Volt AC, Add Note: 120 VAC, Add	2,131.35 2,060.00 410.00	16.30
46 82 83 00-0301 EA 1 - 5 GPM 316 Stainless Steel Automatic Flow Rate Controller, Kates #EB11T-B..... Note: 10 - 150 PSI differential pressure range, 3/4" FNPT connections, teflon seals, and dial lock device. For Actuator, Worcester #AW14 With Peaktronics Controls, 120 Volt AC, Add Note: 120 VAC, Add	2,352.98 2,060.00 460.00	21.84
46 82 83 00-0302 EA 1 - 12 GPM 316 Stainless Steel Automatic Flow Rate Controller, Kates #FB11T-B..... Note: 10 - 150 PSI differential pressure range, 3/4" FNPT connections, teflon seals, and dial lock device. For Actuator, Worcester #AW14 With Peaktronics Controls, 120 Volt AC, Add Note: 120 VAC, Add	2,352.98 2,060.00 460.00	21.84
46 82 83 00-0303 EA 1 - 25 GPM 316 Stainless Steel Automatic Flow Rate Controller, Kates #GB11T-B..... Note: 10 - 150 PSI differential pressure range, 3/4" FNPT connections, teflon seals, and dial lock device. For Actuator, Worcester #AW14 With Peaktronics Controls, 120 Volt AC, Add Note: 120 VAC, Add	2,352.98 2,060.00 460.00	21.84

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0304			<b>Polyvinyl Chloride (PVC) Automatic Flow Rate Controllers</b> <small>(46 82 83 00-0296)</small>		
46 82 83 00-0305	EA		0.02 - 0.5 GPM Polyvinyl Chloride (PVC) Automatic Flow Rate Controller, Kates #AC11T-B ..... Note: 10 - 150 PSI differential pressure range, 1/2" FNPT connections, teflon seals, and dial lock device. For Actuator, Worcester #AW14 With Peaktronics Controls, 120 Volt AC, Add Note: 120 VAC, Add	2,095.98 2,060.00	16.30
			For 1/2" Raised Flange, Polyvinyl Chloride (PVC) Connection, Add	400.00	
46 82 83 00-0306	EA		0.05 - 1 GPM Polyvinyl Chloride (PVC) Automatic Flow Rate Controller, Kates #BC11T-B ..... Note: 10 - 150 PSI differential pressure range, 1/2" FNPT connections, teflon seals, and dial lock device. For Actuator, Worcester #AW14 With Peaktronics Controls, 120 Volt AC, Add Note: 120 VAC, Add	2,095.98 2,060.00	16.30
			For 1/2" Raised Flange, Polyvinyl Chloride (PVC) Connection, Add	400.00	
46 82 83 00-0307	EA		0.1 - 3 GPM Polyvinyl Chloride (PVC) Automatic Flow Rate Controller, Kates #CC11T-B ..... Note: 10 - 150 PSI differential pressure range, 1/2" FNPT connections, teflon seals, and dial lock device. For Actuator, Worcester #AW14 With Peaktronics Controls, 120 Volt AC, Add Note: 120 VAC, Add	2,095.98 2,060.00	16.30
			For 1/2" Raised Flange, Polyvinyl Chloride (PVC) Connection, Add	400.00	
46 82 83 00-0308	EA		1 - 5 GPM Polyvinyl Chloride (PVC) Automatic Flow Rate Controller, Kates #EC11T-B ..... Note: 10 - 150 PSI differential pressure range, 1/2" FNPT connections, teflon seals, and dial lock device. For Actuator, Worcester #AW14 With Peaktronics Controls, 120 Volt AC, Add Note: 120 VAC, Add	2,317.61 2,060.00	21.84
			For 3/4" Raised Flange, Polyvinyl Chloride (PVC) Connection, Add	430.00	
46 82 83 00-0309	EA		1 - 12 GPM Polyvinyl Chloride (PVC) Automatic Flow Rate Controller, Kates #FC11T-B ..... Note: 10 - 150 PSI differential pressure range, 1/2" FNPT connections, teflon seals, and dial lock device. For Actuator, Worcester #AW14 With Peaktronics Controls, 120 Volt AC, Add Note: 120 VAC, Add	2,317.61 2,060.00	21.84
			For 3/4" Raised Flange, Polyvinyl Chloride (PVC) Connection, Add	430.00	
46 82 83 00-0310	EA		1 - 25 GPM Polyvinyl Chloride (PVC) Automatic Flow Rate Controller, Kates #GC11T-B ..... Note: 10 - 150 PSI differential pressure range, 1/2" FNPT connections, teflon seals, and dial lock device. For Actuator, Worcester #AW14 With Peaktronics Controls, 120 Volt AC, Add Note: 120 VAC, Add	2,317.61 2,060.00	21.84
			For 3/4" Raised Flange, Polyvinyl Chloride (PVC) Connection, Add	430.00	
46 82 83 00-0311			<b>Flow Equipment (Krohne)</b> <small>(46 82 83 00-0099)</small>		
			Note: Non-explosives areas, hardrubber lining, Hastelloy C22 exchangeable electrodes, IP 67 protection category, two stainless steel grounding rings, separate with aluminum connection box, 30' of connecting cable for remote connection to signal converter.		
46 82 83 00-0312	EA		1" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB1444A04123211010600) .....	1,109.63	48.90
46 82 83 00-0313	EA		1-1/2" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB1446A04123211010600) .....	1,133.90	68.45
46 82 83 00-0314	EA		2" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB1447A04123211010600) .....	1,132.07	86.90
46 82 83 00-0315	EA		3" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB144AA04123211010600) .....	1,194.70	110.82
46 82 83 00-0316	EA		4" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB144BA04123211010600) .....	1,479.78	185.79
46 82 83 00-0317	EA		5" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB144CA04123211010600) .....	1,640.90	211.21
46 82 83 00-0318	EA		6" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB144DA04123211010600) .....	1,818.85	234.68
46 82 83 00-0319	EA		8" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB144EA04123211010600) .....	2,497.98	299.87
46 82 83 00-0320	EA		10" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB144FA04123211010600) .....	3,156.96	365.06
46 82 83 00-0321	EA		12" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB144GA04123211010600) .....	3,318.92	443.27
46 82 83 00-0322	EA		14" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB144HA04123211010600) .....	4,162.78	462.40
46 82 83 00-0323	EA		16" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB144KA04123211010600) .....	5,113.01	346.75
46 82 83 00-0324	EA		18" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB144LA04123211010600) .....	6,170.51	564.14
46 82 83 00-0325	EA		20" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB144MA04123211010600) .....	6,981.32	635.81
46 82 83 00-0326	EA		24" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB144NA04123211010600) .....	9,043.65	780.32
46 82 83 00-0327	EA		Signal Converter For Electromagnetic Flowmeters IFC100 (Krohne VN314NA0430010100003) .....	957.49	28.90
			For FM Class 1, Div 2, Add	61.79	
			For Stainless Steel Converter Box, Add	22.47	
46 82 83 00-0328	EA		Signal Converter For Electromagnetic Flowmeters IFC300 (Krohne VN304NA0430010100000) .....	1,387.75	28.90
			For FM Class 1, Div 2, Add	61.79	
			For Stainless Steel Converter Box, Add	22.47	
46 82 83 00-0329			<b>Flow Equipment (Kurz)</b> <small>(46 82 83 00-0099)</small>		
46 82 83 00-0330			<b>Flow Meters</b> <small>(46 82 83 00-0329)</small>		
			Note: Drill hole and install		
46 82 83 00-0331	EA		Various Gases, Calibrated Flow Meter (Kurz 454FTB) .....	3,833.65	40.74
			Note: 316 stainless steel sensor support, 115VAC, enclosure attached to sensor. For 2" to 36" diameter pipe. For Remote Electronics, Add For 24 VDC Power, Deduct	428.02 -256.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0332 EA Wet Digester Gas, Calibrated Flow Meter (Kurz 454FTB-WGF).....	4,691.92	40.74
Note: 316 stainless steel sensor support, 115VAC, enclosure attached to sensor. For 2" to 36" diameter pipe.		
For Remote Electronics, Add	428.02	
For 24 VDC Power, Deduct	-256.12	
<b>46 82 83 00-0333 Flow Equipment (Micronics) (46 82 83 00-0099)</b>		
<b>46 82 83 00-0334 Ultrasonic Portable (46 82 83 00-0333)</b>		
46 82 83 00-0335 EA 1/2" To 4-1/2", 20 Hour, Type A, Clamp-On Portable Flowmeter (Micronics PORTAFLOW 220).....	4,315.99	81.49
46 82 83 00-0336 EA 2" To 40", 20 Hour, Type B, Clamp-On Portable Flowmeter (Micronics PORTAFLOW 220).....	4,909.31	91.27
46 82 83 00-0337 EA 1/2" To 4-1/2", 20 Hour, Type A-Only, Clamp-On Portable Flowmeter (Micronics PORTAFLOW 330).....	7,146.02	130.38
46 82 83 00-0338 EA 2" To 79", 20 Hour, Type B-Only, Clamp-On Portable Flowmeter (Micronics PORTAFLOW 330).....	7,159.06	136.89
46 82 83 00-0339 EA 1/2" To 78", 20 Hour, Type A+B, Clamp-On Portable Flowmeter (Micronics PORTAFLOW 330).....	7,944.71	149.93
46 82 83 00-0340 EA 1/2" To 78", 20 Hour, Type A+B, Clamp-On Portable Flowmeter (Micronics PORTAFLOW 330HT).....	8,728.23	156.45
46 82 83 00-0341 EA 1/2" To 78", 20 Hour, Type A+B, Clamp-On Portable Flowmeter (Micronics PORTAFLOW 330IP68).....	8,747.79	166.23
46 82 83 00-0342 EA 2" To 78", 20 Hour, Clamp-On Portable Flowmeter (Micronics PORTAFLOW 440IP).....	8,341.31	159.71
<b>46 82 83 00-0343 Ultrasonic Portable Spares (46 82 83 00-0333)</b>		
46 82 83 00-0344 EA Type A Sensor For PORTAFLOW 330HT.....	1,224.05	
46 82 83 00-0345 EA Type B Sensor For PORTAFLOW 330HT.....	1,224.05	
46 82 83 00-0346 EA Type A Sensor For PORTAFLOW 330IP68.....	1,224.05	
46 82 83 00-0347 EA Type B Sensor For PORTAFLOW 330IP68.....	1,224.05	
46 82 83 00-0348 EA Type B Spare Transducer For PORTAFLOW 220 And 330.....	847.00	
46 82 83 00-0349 EA Type A Spare Transducer For PORTAFLOW 220 And 330.....	847.00	
46 82 83 00-0350 EA Type B Spare Transducer For PORTAFLOW 440.....	1,224.05	
46 82 83 00-0351 EA Type D Sensor.....	2,360.66	
46 82 83 00-0352 EA Keypad For PORTAFLOW 330.....	61.20	
46 82 83 00-0353 EA Keypad For PORTAFLOW 220.....	61.20	
46 82 83 00-0354 EA Pulse Cable Assembly For PORTAFLOW 220 And 330.....	73.22	
46 82 83 00-0355 EA RS232 Cable Assembly For PORTAFLOW 330.....	96.18	
46 82 83 00-0356 EA USB Cable Assembly For PORTAFLOW 330.....	96.18	
46 82 83 00-0357 EA 2 Meter, Red Transducer Cable For PORTAFLOW 220 And 330.....	96.18	
46 82 83 00-0358 EA 2 Meter, Blue Transducer Cable For PORTAFLOW 220 And 330.....	96.18	
46 82 83 00-0359 EA 5 Meter, Blue Transducer Cable For PORTAFLOW 220 And 330.....	89.62	
46 82 83 00-0360 EA 5 Meter, Red Transducer Cable For PORTAFLOW 220 And 330.....	89.62	
46 82 83 00-0361 EA 10 Meter, Red Transducer Cable For PORTAFLOW 220 And 330.....	104.92	
46 82 83 00-0362 EA 10 Meter, Blue Transducer Cable For PORTAFLOW 220 And 330.....	104.92	
46 82 83 00-0363 EA Carry Case With Foam For PORTAFLOW 330.....	488.53	
46 82 83 00-0364 EA Carry Case With Foam For PORTAFLOW 220.....	278.69	
46 82 83 00-0365 EA Carry Case And Foam With Blank Grey Clips For PORTAFLOW 220.....	262.30	
46 82 83 00-0366 EA Engraved, Metric Gudge Rail Ruler For PORTAFLOW 220 And 330.....	96.18	
46 82 83 00-0367 EA 1.6mm X 13mm, Zinc, Starhgt Link Chain.....	4.37	
46 82 83 00-0368 EA Battery For PORTAFLOW 220 And 330.....	209.84	
46 82 83 00-0369 EA Transducer Test Block For PORTAFLOW 220 And 330.....	145.36	
46 82 83 00-0370 EA Stainless Steel Guide Rail Assembly With Ruler And Chain For PORTAFLOW 220 And 330.....	808.75	
46 82 83 00-0371 EA Stainless Steel Guide Rail Assembly With Ruler And Chain For PORTAFLOW 440IP.....	808.75	
46 82 83 00-0372 EA Stainless Steel Guide Rail Assembly For PORTAFLOW 220 And 330.....	306.01	
46 82 83 00-0373 EA Stainless Steel Guide Rail Assembly For PORTAFLOW 440.....	306.01	
46 82 83 00-0374 EA 85 GM, Superlube Grease.....	40.44	
46 82 83 00-0375 EA Portable Heat Meter.....	2,573.78	
46 82 83 00-0376 EA AC Adapter Kit For PORTAFLOW 440IP.....	89.62	
46 82 83 00-0377 EA AC Adapter Kit For PORTAFLOW 220 And 330.....	89.62	
46 82 83 00-0378 EA M3 x 12mm, Stainless Steel, Thumb Screw For Ruler.....	6.56	
46 82 83 00-0379 EA M5 x 25mm, Stainless Steel, Thumb Screw For Transducer.....	6.56	
<b>46 82 83 00-0380 Ultrasonic Permanent (46 82 83 00-0333)</b>		
46 82 83 00-0381 EA Pulse And 4-20 mA Universal Transmitter (Micronics ULTRAFLO 1000).....	2,055.44	44.11
46 82 83 00-0382 EA Pulse And Modbus BTU Meter (Micronics ULTRAFLO 1000).....	2,673.12	55.13
46 82 83 00-0383 EA 110/240 VAC, Type A, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000).....	4,336.81	91.89
46 82 83 00-0384 EA 24 VDC, Type A, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000).....	4,336.81	91.89
46 82 83 00-0385 EA 110/240 VAC, Type A-IP68, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000).....	4,737.71	101.46
46 82 83 00-0386 EA 24 VDC, Type A-IP68, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000).....	4,737.71	101.46
46 82 83 00-0387 EA 110/240 VAC, Type A-HT, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000).....	4,737.71	101.46
46 82 83 00-0388 EA 24 VDC, Type A-HT, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000).....	4,737.71	101.46
46 82 83 00-0389 EA 110/240 VAC, Type B, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000).....	4,770.49	101.46
46 82 83 00-0390 EA 24 VDC, Type B, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000).....	4,770.49	101.46
46 82 83 00-0391 EA 110/240 VAC, Type B-IP68, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000).....	5,171.39	110.27
46 82 83 00-0392 EA 24 VDC, Type B-IP68, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000).....	5,171.39	110.27
46 82 83 00-0393 EA 110/240 VAC, Type B-HT, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000).....	5,171.39	110.27
46 82 83 00-0394 EA 24 VDC, Type B-HT, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000).....	5,171.39	110.27
46 82 83 00-0395 EA 110/240 VAC, Type D, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000).....	5,411.93	116.15
46 82 83 00-0396 EA 24 VDC, Type D, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000).....	5,411.93	116.15
46 82 83 00-0397 EA 110/240 VAC, Type A, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000).....	5,138.60	110.27
46 82 83 00-0398 EA 24 VDC, Type A, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000).....	5,138.60	110.27
46 82 83 00-0399 EA 110/240 VAC, Type A-IP68, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000).....	5,508.49	117.63
46 82 83 00-0400 EA 24 VDC, Type A-IP68, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000).....	5,508.49	117.63
46 82 83 00-0401 EA 110/240 VAC, Type A-HT, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000).....	5,508.49	117.63
46 82 83 00-0402 EA 24 VDC, Type A-HT, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000).....	5,508.49	117.63



**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0403	EA		110/240 VAC, Type B, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000).....	5,566.81	119.83
46 82 83 00-0404	EA		24 VDC, Type B, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000) .....	5,566.81	119.83
46 82 83 00-0405	EA		110/240 VAC, Type B-IP68, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000) .....	5,967.70	128.65
46 82 83 00-0406	EA		24 VDC, Type B-IP68, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000) .....	5,967.70	128.65
46 82 83 00-0407	EA		110/240 VAC, Type B-HT, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000).....	5,967.70	128.65
46 82 83 00-0408	EA		24 VDC, Type B-HT, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000) .....	6,111.67	132.33
46 82 83 00-0409	EA		110/240 VAC, Type D, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000) .....	6,111.67	132.33
46 82 83 00-0410	EA		24 VDC, Type D, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000) .....	6,111.67	132.33
46 82 83 00-0411	EA		Diagonal Guide Rail For Type B Sensors .....	389.97	9.56
<b>46 82 83 00-0412</b>			<b>Ultrasonic Permanent Spares (46 82 83 00-0333)</b>		
46 82 83 00-0413	EA		1/2" To 4-1/2", Type A, Spare Transducer .....	847.00	
46 82 83 00-0414	EA		2" To 79", Type B, Spare Transducer .....	939.89	
46 82 83 00-0415	EA		1/2" To 4-1/2", Type A-HT, Sensor .....	1,224.05	
46 82 83 00-0416	EA		1/2" To 4-1/2", Type A-IP68, Waterproof Sensor .....	1,224.05	
46 82 83 00-0417	EA		2" To 79", Type B-HT Sensor.....	1,322.41	
46 82 83 00-0418	EA		2" To 79", Type B-IP68, Waterproof Sensor .....	1,322.41	
46 82 83 00-0419	EA		59" To 196", Type D, Sensor .....	2,360.66	
46 82 83 00-0420	EA		IP68 Red Cable Meter .....	14.21	
46 82 83 00-0421	EA		IP68 Blue Cable Meter .....	14.21	
46 82 83 00-0422	EA		100 - 240 Volt Stepdown Transformer To 24V.....	49.18	
46 82 83 00-0423	LF		RG223/U Coax Cable .....	5.46	
46 82 83 00-0424	EA		5M Sensor Cable Assembly.....	89.62	
46 82 83 00-0425	EA		10M Sensor Cable Assembly.....	126.78	
46 82 83 00-0426	EA		15M Sensor Cable Assembly.....	205.47	
46 82 83 00-0427	EA		20M Sensor Cable Assembly.....	256.83	
46 82 83 00-0428	EA		5M Waterproof Sensor Cable Assembly .....	148.63	
46 82 83 00-0429	EA		10M Waterproof Sensor Cable Assembly .....	202.19	
46 82 83 00-0430	EA		Red, External HT Signal Cable Assembly.....	33.88	
46 82 83 00-0431	EA		Blue, External HT Signal Cable Assembly .....	33.88	
46 82 83 00-0432	EA		OMEGA 38 Grease In Syringe.....	10.93	
46 82 83 00-0433	EA		OMEGA 71 Grease In Syringe.....	10.93	
46 82 83 00-0434	EA		U1000 And U1000HM Gel Pad.....	2.19	
46 82 83 00-0435	EA		Calec With Modbus.....	2,109.30	
46 82 83 00-0436	EA		Claec With Bacnet And PT probes.....	2,819.68	
46 82 83 00-0437	EA		110 VAC, Calec With Pulse Output.....	1,519.13	
46 82 83 00-0438	EA		Battery Operated, Calec With Pulse Output.....	1,475.42	
46 82 83 00-0439	EA		Clamp-On Temperature Sensors.....	393.44	
<b>46 82 83 00-0440</b>			<b>Doppler (46 82 83 00-0333)</b>		
46 82 83 00-0441	EA		Stingray, Portable, Level-Velocity Logger .....	5,743.56	123.50
46 82 83 00-0442	EA		Portable Doppler Flow Meter (Micronics PDFM-5.0).....	6,056.58	116.03
46 82 83 00-0443	EA		Doppler Flow Monitor (Micronics DFM-5.0) .....	3,228.92	68.37
46 82 83 00-0444	EA		Open Channel Flow Monitor (Micronics OC5000).....	3,742.76	79.40
46 82 83 00-0445	EA		Level And Flow Monitor (Micronics SLT-5.0) .....	2,893.69	64.69
46 82 83 00-0446	EA		Doppler Flow Switch (Micronics DFS-II) .....	1,224.53	27.93
46 82 83 00-0447	EA		Level Indicating Transmitter (Micronics LIT25) .....	1,745.65	36.76
46 82 83 00-0448	EA		Pump Station Level Controller (Micronics PSL) .....	3,425.73	73.51
46 82 83 00-0449	EA		Differential Level Transmitter (Micronics UF DL5000) .....	4,887.13	105.12
46 82 83 00-0450	EA		Area-Velocity Flow Meter (Micronics UF AV5000).....	5,340.89	116.15
46 82 83 00-0451	EA		Portable, Ultrasonic Depth Meter And Thickness Gauge.....	570.93	12.49
<b>46 82 83 00-0452</b>			<b>Flow Equipment (Panametrics) (46 82 83 00-0099)</b>		
<b>46 82 83 00-0453</b>			<b>Transit-Time Clamp-On Ultrasonic Flow Meter (46 82 83 00-0452)</b>		
46 82 83 00-0454	EA		Transit-Time Clamp On Ultrasonic Flowmeter, NEMA 4X, Data Logging Capability, Two 4-20 mA Outputs, One RS232 Output, 120 Volt AC Power With Clamp-On Transducers, Clamping Fixtures And Permanent Solid Couplant. Panametrics #DF868.....	6,146.66	91.89
			<i>For NEMA 7 Explosion-Proof Meter, Add</i>	2,235.00	
			<i>For Transflexion Measurement Technique For High Solid Concentration Measurement, Add</i>	360.00	
			<i>Note: Concentration Measurement, Add</i>		
			<i>For Clamping Fixtures For Installation On Pipe &gt;24", Add</i>	60.00	
			<i>For Additional Four 4-20mA Outputs, Add</i>	360.00	
			<i>For Additional Eight 4-20mA Outputs, Add</i>	720.00	
<b>46 82 83 00-0455</b>			<b>Flow Equipment (Polysonics) (46 82 83 00-0099)</b>		
<b>46 82 83 00-0456</b>			<b>Transit Time Flowmeter (46 82 83 00-0455)</b>		
46 82 83 00-0457	EA		Dedicated Transit Time Flowmeter, NEMA 4X, 0-50 Ft/Sec Range, 4-20mA And RS232 Outputs, Transducers With 30' Interconnect Cable. Model: PEEK Polysonics #DCT6088 .....	5,965.66	40.74
46 82 83 00-0458	EA		Portable Transit Time Flowmeter, NEMA 4X, 0.055-50 Ft/Sec Range, 4-20mA And RS232 Outputs, Transducers With 30' Interconnect Cable. Model: PEEK Polysonics #DCT7088 .....	7,635.50	40.74
<b>46 82 83 00-0459</b>			<b>Ultrasonic Level System (46 82 83 00-0455)</b>		
46 82 83 00-0460	EA		Dedicated Dual Frequency Doppler Flowmeter, NEMA 4X, 0.02-32 Ft/Sec Range, 4-20mA And RS232 Outputs, Transducers With 30' Interconnect Cable. Model: PEEK Polysonics #SX40-1-1-30A .....	5,379.92	32.59



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	46 82 83 00-0461	EA		Portable Dual Frequency Doppler Flowmeter, NEMA 4X, 0.02-32 Ft/Sec Range, 4-20mA And RS232 Outputs, Transducers With 30' Interconnect Cable. Model: PEEK Polysonics #SX30-1-16A.....	9,250.01	32.59
	<b>46 82 83 00-0462</b>			<b>Flow Equipment (Rosemount) (46 82 83 00-0099)</b>		
	<b>46 82 83 00-0463</b>			<b>Magnetic Flowmeters, Polyurethane Lining Magnetic Flowmeter (46 82 83 00-0462)</b>		
				Note: Flowtube model 8707		
	46 82 83 00-0464	EA		3" High Signal Magnetic Flowtube; Polyurethane Liner; 316 Stainless Steel Electrodes; Carbon Steel 150 LB Flanges; Division 2 Certification .....	2,898.85	124.98
	46 82 83 00-0465	EA		4" High Signal Magnetic Flowtube; Polyurethane Liner; 316 Stainless Steel Electrodes; Carbon Steel 150 LB Flanges; Division 2 Certification .....	3,412.84	209.52
	46 82 83 00-0466	EA		6" High Signal Magnetic Flowtube; Polyurethane Liner; 316 Stainless Steel Electrodes; Carbon Steel 150 LB Flanges; Division 2 Certification .....	4,103.78	264.65
	46 82 83 00-0467	EA		8" High Signal Magnetic Flowtube; Polyurethane Liner; 316 Stainless Steel Electrodes; Carbon Steel 150 LB Flanges; Division 2 Certification .....	5,111.93	338.16
	46 82 83 00-0468	EA		10" High Signal Magnetic Flowtube; Polyurethane Liner; 316 Stainless Steel Electrodes; Carbon Steel 150 LB Flanges; Division 2 Certification .....	5,890.76	411.69
	46 82 83 00-0469	EA		12" High Signal Magnetic Flowtube; Polyurethane Liner; 316 Stainless Steel Electrodes; Carbon Steel 150 LB Flanges; Division 2 Certification .....	9,079.92	499.90
	46 82 83 00-0470	EA		14" High Signal Magnetic Flowtube; Polyurethane Liner; 316 Stainless Steel Electrodes; Carbon Steel 150 LB Flanges; Division 2 Certification .....	10,696.15	588.12
	46 82 83 00-0471	EA		16" High Signal Magnetic Flowtube; Polyurethane Liner; 316 Stainless Steel Electrodes; Carbon Steel 150 LB Flanges; Division 2 Certification .....	13,709.69	646.93
	46 82 83 00-0472	EA		18" High Signal Magnetic Flowtube; Polyurethane Liner; 316 Stainless Steel Electrodes; Carbon Steel 150 LB Flanges; Division 2 Certification .....	15,165.28	717.51
	46 82 83 00-0473	EA		20" High Signal Magnetic Flowtube; Polyurethane Liner; 316 Stainless Steel Electrodes; Carbon Steel 150 LB Flanges; Division 2 Certification .....	18,081.77	808.66
	46 82 83 00-0474	EA		24" High Signal Magnetic Flowtube; Polyurethane Liner; 316 Stainless Steel Electrodes; Carbon Steel 150 LB Flanges; Division 2 Certification .....	20,190.23	992.46
	46 82 83 00-0475	EA		30" High Signal Magnetic Flowtube; Polyurethane Liner; 316 Stainless Steel Electrodes; Carbon Steel 150 LB Flanges; Division 2 Certification .....	24,220.53	1,617.33
	46 82 83 00-0476	EA		36" High Signal Magnetic Flowtube; Polyurethane Liner; 316 Stainless Steel Electrodes; Carbon Steel 150 LB Flanges; Division 2 Certification .....	31,389.73	2,156.43
	<b>46 82 83 00-0477</b>			<b>Magnetic Flowmeter/Transmitter Assembly; Teflon Liner (46 82 83 00-0462)</b>		
				Note: Flowtube Model 8711		
	46 82 83 00-0478	EA		1/2" Line Size; Magnetic Flow Tube; Wafer Design; Teflon Liner; 316 Stainless Steel Electrodes; Integral Mounted 8732E; Division 2 FM Approval .....	1,720.98	35.28
	46 82 83 00-0479	EA		1" Line Size; Magnetic Flow Tube; Wafer Design; Teflon Liner; 316 Stainless Steel Electrodes; Integral Mounted 8732E; Division 2 FM Approval .....	1,746.22	55.48
	46 82 83 00-0480	EA		1-1/2" Line Size; Magnetic Flow Tube; Wafer Design; Teflon Liner 316SST Electrodes; Integral Mounted 8732E; Division 2 FM Approval .....	2,322.67	77.39
	46 82 83 00-0481	EA		2" Line Size; Magnetic Flow Tube; Wafer Design; Teflon Liner; 316 Stainless Steel Electrodes; Integral Mounted 8732E; Division 2 FM Approval .....	1,799.40	98.02
	46 82 83 00-0482	EA		3" Line Size; Magnetic Flow Tube; Wafer Design; Teflon Liner; 316 Stainless Steel Electrodes; Integral Mounted 8732E; Division 2 FM Approval .....	2,151.48	125.13
	46 82 83 00-0483	EA		4" Line Size; Magnetic Flow Tube; Wafer Design; Teflon Liner; 316 Stainless Steel Electrodes; Integral Mounted 8732E; Division 2 FM Approval .....	2,448.33	210.04
	46 82 83 00-0484	EA		6" Line Size; Magnetic Flow Tube; Wafer Design; Teflon Liner; 316 Stainless Steel Electrodes; Integral Mounted 8732E; Division 2 FM Approval .....	3,270.30	265.61
	46 82 83 00-0485	EA		8" Line Size; Magnetic Flow Tube; Wafer Design; Teflon Liner; 316 Stainless Steel Electrodes; Integral Mounted 8732E; Division 2 FM Approval .....	3,966.43	338.16
	<b>46 82 83 00-0486</b>			<b>Multi Variable Mass Flowmeters (46 82 83 00-0462)</b>		
	46 82 83 00-0487	EA		Multivariable Mass Flow Transmitters.....	4,243.17	
	46 82 83 00-0488	EA		Rosemount Manifold.....	463.35	
	46 82 83 00-0489	EA		12" RTD With 316 Stainless Steel Thermowell.....	502.92	
	<b>46 82 83 00-0490</b>			<b>Vortex Flowmeters (46 82 83 00-0462)</b>		
				Note: Model 8800D		
	46 82 83 00-0491	EA		1/2" Line Size; Flanged Vortex Flowmeter; Explosion Proof Enclosure; LCD Indicator .....	3,266.90	35.28
	46 82 83 00-0492	EA		1" Line Size; Flanged Vortex Flowmeter; Explosion Proof Enclosure; LCD Indicator .....	3,292.14	55.13
	46 82 83 00-0493	EA		1-1/2" Line Size; Flanged Vortex Flowmeter; Explosion Proof Enclosure; LCD Indicator .....	3,332.47	77.19
	46 82 83 00-0494	EA		2" Line Size; Flanged Vortex Flowmeter; Explosion Proof Enclosure; LCD Indicator .....	3,386.15	98.00
	46 82 83 00-0495	EA		3" Line Size; Flanged Vortex Flowmeter; Explosion Proof Enclosure; LCD Indicator .....	3,937.92	124.98
	46 82 83 00-0496	EA		4" Line Size; Flanged Vortex Flowmeter; Explosion Proof Enclosure; LCD Indicator .....	4,686.43	209.52
	46 82 83 00-0497	EA		6" Line Size; Flanged Vortex Flowmeter; Explosion Proof Enclosure; LCD Indicator .....	5,377.33	264.65
	46 82 83 00-0498	EA		8" Line Size; Flanged Vortex Flowmeter; Explosion Proof Enclosure; LCD Indicator .....	7,843.65	338.16
	46 82 83 00-0499	EA		8" x 6" Line Size Reducer; Flanged Vortex Flowmeter; Explosion Proof Enclosure; LCD Indicator.....	7,320.58	300.84
	46 82 83 00-0500	EA		10" Line Size; Flanged Vortex Flowmeter; Explosion Proof Enclosure; LCD Indicator .....	12,138.96	411.69
	46 82 83 00-0501	EA		10" x 8" Line Size Reducer; Flanged Vortex Flowmeter; Explosion Proof Enclosure; LCD Indicator.....	11,862.63	373.88
	46 82 83 00-0502	EA		12" Line Size; Flanged Vortex Flowmeter; Explosion Proof Enclosure; LCD Indicator .....	13,938.20	499.90
	46 82 83 00-0503	EA		12" x 10" Line Size Reducer; Flanged Vortex Flowmeter; Explosion Proof Enclosure; LCD Indicator.....	15,624.48	455.35
	<b>46 82 83 00-0504</b>			<b>Magnetic Flowmeter Transmitters (46 82 83 00-0462)</b>		
	46 82 83 00-0505	EA		Rosemount High Signal Magnetic Flowmeter Transmitter; Remote Mounting; 115 Volt AC Power; Local Operator Interface; Division 2 FM Certification .....	3,286.64	

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0506			<b>Magnetic Flowmeter/Transmitter Assembly, Polyurethane Lining</b> <small>(46 82 83 00-0462)</small> Note: Model 8750		
46 82 83 00-0507	EA		Rosemount 2" Line Size; Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power .....	1,888.49	98.00
46 82 83 00-0508	EA		Rosemount 3" Line Size; Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power .....	2,021.81	124.98
46 82 83 00-0509	EA		Rosemount 4" Line Size; Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power .....	2,325.94	209.52
46 82 83 00-0510	EA		Rosemount 6" Line Size; Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power .....	2,688.07	264.65
46 82 83 00-0511	EA		Rosemount 8" Line Size; Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power .....	2,994.02	338.16
46 82 83 00-0512	EA		Rosemount 10" Line Size Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power .....	3,860.64	411.69
46 82 83 00-0513	EA		Rosemount 12" Line Size Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power .....	4,405.13	499.90
46 82 83 00-0514	EA		Rosemount 14" Line Size Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power .....	5,368.15	588.12
46 82 83 00-0515	EA		Rosemount 16" Line Size Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power .....	6,850.97	646.93
46 82 83 00-0516	EA		Rosemount 18" Line Size Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power .....	7,406.09	717.51
46 82 83 00-0517	EA		Rosemount 20" Line Size Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power .....	9,045.63	808.66
46 82 83 00-0518	EA		Rosemount 24" Line Size Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power .....	12,422.97	992.46
46 82 83 00-0519	EA		Rosemount 30" Line Size Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power .....	17,622.21	1,617.33
46 82 83 00-0520	EA		Rosemount 36" Line Size Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power .....	21,500.34	2,156.43
46 82 83 00-0521	EA		8714i Diagnostic Tool .....	1,170.79	
46 82 83 00-0522			<b>Flow Equipment (Scott Safety)</b> <small>(46 82 83 00-0099)</small>		
46 82 83 00-0523			<b>Scott Safety Fixed Systems</b> <small>(46 82 83 00-0522)</small>		
46 82 83 00-0524	EA		MALE CONNECTOR (Scott Safety 0003-1822) .....	18.21	0.92
46 82 83 00-0525	EA		6' RIBBON CABLE (Scott Safety 0010-1120) .....	128.86	6.53
46 82 83 00-0526	EA		CTOR BODY ASSEMBLY (Scott Safety 0023-4019) .....	403.13	20.44
46 82 83 00-0527	EA		PCB ASSY, CD800/830 (Scott Safety 0023-4043) .....	1,751.31	88.82
46 82 83 00-0528	EA		GASKET (Scott Safety 0023-4067) .....	1.98	0.10
46 82 83 00-0529	EA		VALVE DIAPHRAM (Scott Safety 0023-4218) .....	11.58	0.58
46 82 83 00-0530	EA		10 IN ALUM PROBE TUBE ONLY (Scott Safety 0023-4672) .....	19.84	1.01
46 82 83 00-0531	EA		BATTERY-12V, 2.5AH (Scott Safety 004-0002) .....	150.35	7.63
46 82 83 00-0532	EA		BATTERY-12V, 1.2 AH, LEAD ACID (Scott Safety 004-0008) .....	132.17	6.70
46 82 83 00-0533	EA		3V LITHIUM BATTERY CR2450-FT (Scott Safety 004-0020) .....	19.84	1.01
46 82 83 00-0534	EA		CE130 SENSOR ELEMENT ONLY (Scott Safety 0051-1861) .....	769.90	39.04
46 82 83 00-0535	EA		MITEX (PTFE) MEMBRANE FILTER (Scott Safety 006-0050) .....	16.53	0.84
46 82 83 00-0536	EA		O-RING, 2-026, SILICONE, ORN (Scott Safety 009-0022) .....	3.37	0.17
46 82 83 00-0537	EA		O-RING, 2-127, V747-75 (Scott Safety 009-0024) .....	21.48	1.09
46 82 83 00-0538	EA		O-RING, #2-032, V709-90 (Scott Safety 009-0028) .....	12.89	0.65
46 82 83 00-0539	EA		O-RING, 2-029, SILICONE S604-70 (Scott Safety 009-0039) .....	18.17	0.92
46 82 83 00-0540	EA		O-RING, EPDM, 3/16" x 7/16" (Scott Safety 009-0052) .....	1.98	0.10
46 82 83 00-0541	EA		JUMPER PLUG (Scott Safety 018-0066) .....	10.91	0.55
46 82 83 00-0542	EA		3 1/2 DIGIT LCD W/ BAR GRAPH (Scott Safety 019-0013) .....	36.36	1.84
46 82 83 00-0543	EA		4600-IR LCD DISPLAY (Scott Safety 019-0020) .....	57.83	2.93
46 82 83 00-0544	EA		FLOWMETER W/ SCREW ADJUSTMENT (Scott Safety 024-0007) .....	442.78	22.45
46 82 83 00-0545	EA		FLOWMETER-ACRYLIC, .6-5LPM (Scott Safety 024-0008) .....	358.52	18.18
46 82 83 00-0546	EA		4.25 PYROELECTRIC DETECTOR (Scott Safety 025-0478) .....	870.70	44.15
46 82 83 00-0547	EA		PWR SUP 24V 1A UNREG 120V (Scott Safety 028-0002) .....	345.30	17.52
46 82 83 00-0548	EA		5VDC WALL TRANSFORMER (Scott Safety 028-0027) .....	31.39	1.59
46 82 83 00-0549	EA		POWER SUPPLY, 24VC W/MTG BRKT. (Scott Safety 028-0033) .....	688.96	34.94
46 82 83 00-0550	EA		POWER SUPPLY, 24VDC/150WATT (Scott Safety 028-0034) .....	950.00	48.18
46 82 83 00-0551	EA		24VDC PWR SUPPLY/100-240VAC IN (Scott Safety 028-0035) .....	199.92	10.14
46 82 83 00-0552	EA		AC DC POWER SUPPLY (Scott Safety 028-0057) .....	74.35	3.77
46 82 83 00-0553	EA		1 AMP SLO-BLOW FUSE, 5 X 20 MM (Scott Safety 032-0014) .....	10.91	0.55
46 82 83 00-0554	EA		CIRCUIT BREAKER-1 AMP-W28-XTIA (Scott Safety 032-0015) .....	39.65	2.02
46 82 83 00-0555	EA		POINTER KNOB (Scott Safety 035-0014) .....	3.64	0.18
46 82 83 00-0556	EA		HEADER-6 POS, VERTICAL PLUG-ON (Scott Safety 037-0053) .....	5.61	0.28
46 82 83 00-0557	EA		TERMINAL BLOCK-9 POS, PLUG-ON (Scott Safety 037-0069) .....	18.17	0.92
46 82 83 00-0558	EA		RELAY, SPDT, PLUG, 24V 10A (Scott Safety 038-0017) .....	61.13	3.10
46 82 83 00-0559	EA		SOLID STATE RLY, 24-330VAC, 25A (Scott Safety 038-0023) .....	163.56	8.29
46 82 83 00-0560	EA		SPDT PCB 5A 24V RELAY (Scott Safety 038-0026) .....	31.39	1.59
46 82 83 00-0561	EA		200 CC/MIN NON-ADJ FLOW SWITCH (Scott Safety 041-0074) .....	239.57	12.15
46 82 83 00-0562	EA		1/8" NPT CLEAR PP BARBED FITT (Scott Safety 048-0031) .....	7.28	0.37
46 82 83 00-0563	EA		3/4" NPT .15-.25 CORD GRIP (Scott Safety 048-0039) .....	59.49	3.01
46 82 83 00-0564	EA		LIQUIDTIGHT FLEX CONDUIT, 3/4" (Scott Safety 048-0056) .....	10.91	0.55
46 82 83 00-0565	EA		3-WAY BALL VALVE, 1/4", S.S. (Scott Safety 048-0083) .....	760.00	38.54
46 82 83 00-0566	EA		096-390 DEG. M-F ELBOW 3/4 NPT (Scott Safety 048-0089) .....	57.83	2.93
46 82 83 00-0567	EA		3/4 NPT CABLE GLAND FITTING (Scott Safety 048-0091) .....	39.65	2.02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0568 EA SS HOSE CLAMP,7/16-1.WORM DRIV (Scott Safety 053-0008) .....	7.28	0.37
46 82 83 00-0569 EA 6/32 F/F STANDOFF 1.65 LG ALUM (Scott Safety 054-0065) .....	5.61	0.28
46 82 83 00-0570 EA 8-32 M/ NO THD FM STD 1.25 LG (Scott Safety 054-0066) .....	7.28	0.37
46 82 83 00-0571 EA .25 OD. X 7/32 LG NYLON SPACER (Scott Safety 054-0067) .....	5.61	0.28
46 82 83 00-0572 EA STANDOFF-1/4 HEX,8-32X1.34 M/F (Scott Safety 054-0069) .....	10.74	0.54
46 82 83 00-0573 EA STANDOFF-1/4 HEX,8-32X1.19 M/F (Scott Safety 054-0070) .....	12.55	0.63
46 82 83 00-0574 EA STANDOFF-1/4 HEX,8-32X1.25 M/F (Scott Safety 054-0071) .....	5.45	0.27
46 82 83 00-0575 EA STANDOFF-1/4 HEX,8-32X1.00 M/F (Scott Safety 054-0072) .....	12.55	0.63
46 82 83 00-0576 EA HEX SPACER,#6-32 X .75LG BRASS (Scott Safety 054-0073) .....	5.45	0.27
46 82 83 00-0577 EA MODIFIED STANDOFF 1/4 HEX 2"LG (Scott Safety 054-0092) .....	19.84	1.01
46 82 83 00-0578 EA 1/4H STANDOFF,8-32X1-1/16L,M/F (Scott Safety 054-0094) .....	3.64	0.18
46 82 83 00-0579 EA FRONT COVER, CLEAR LEXAN (Scott Safety 063-0075) .....	351.91	17.85
46 82 83 00-0580 EA HINGE COVER (Scott Safety 063-0076) .....	19.84	1.01
46 82 83 00-0581 EA TEFLON PFA TUBING, 1/4" OD (Scott Safety 068-0005) .....	13.21	0.68
46 82 83 00-0582 EA TEFLON PFA TUBING, 1/4"OD, 10' (Scott Safety 068-0005-010) .....	132.17	6.70
46 82 83 00-0583 EA TEFLON PFA TUBING, 1/4"OD, 25' (Scott Safety 068-0005-025) .....	330.43	16.76
46 82 83 00-0584 EA 1/8 ID X 1/4 OD TYGON TUBING (Scott Safety 068-0007) .....	9.25	0.46
46 82 83 00-0585 EA 1/8 ID, 1/4 OD, TYGON TUBING, 10' (Scott Safety 068-0007-010) .....	92.03	4.67
46 82 83 00-0586 EA 1/8 ID, 1/4 OD, TYGON TUBING, 25' (Scott Safety 068-0007-025) .....	230.08	11.67
46 82 83 00-0587 EA 1/8 ID, 1/4 OD, TYGON TUBING, 50' (Scott Safety 068-0007-050) .....	460.13	23.33
46 82 83 00-0588 EA 1/8 ID, 1/4 OD, TYGON TUBING, 75' (Scott Safety 068-0007-075) .....	690.20	35.00
46 82 83 00-0589 EA TUBING,TYGON FEP-LINED, 1/8"ID (Scott Safety 068-0014) .....	7.28	0.37
46 82 83 00-0590 EA TUBING,TYGON FEP-LINED,3/16"ID (Scott Safety 068-0015) .....	7.28	0.37
46 82 83 00-0591 EA CABLE 22 AWG 2 COND SHIELDED (Scott Safety 069-0005) .....	1.98	0.10
46 82 83 00-0592 EA 9C/#24AWG SHIELDED CABLE (Scott Safety 069-0053) .....	5.61	0.28
46 82 83 00-0593 EA SHIELDED CABLE,4 PR.,24 AWG (Scott Safety 069-0061) .....	3.47	0.18
46 82 83 00-0594 EA 18AWG/3COND BRAID SHIELD CABLE (Scott Safety 069-0080) .....	3.64	0.18
46 82 83 00-0595 EA CABLE, HAZLOC, 7 CONDUCTOR (Scott Safety 069-0097-10) .....	57.83	2.93
46 82 83 00-0596 EA CABLE, HAZLOC, 7 CONDUCTOR (Scott Safety 069-0097-100) .....	528.70	26.81
46 82 83 00-0597 EA CABLE, HAZLOC, 7 CONDUCTOR (Scott Safety 069-0097-25) .....	132.17	6.70
46 82 83 00-0598 EA CABLE, HAZLOC, 7 CONDUCTOR (Scott Safety 069-0097-50) .....	284.35	13.40
46 82 83 00-0599 EA CABLE, HAZLOC, 7 CONDUCTOR (Scott Safety 069-0097-75) .....	396.52	20.11
46 82 83 00-0600 EA MODEL 4600 GAS XMTR OVERLAY (Scott Safety 071-0150) .....	18.17	0.92
46 82 83 00-0601 EA 4688-IR LCD OVERLAY LABEL (Scott Safety 071-0155) .....	19.84	1.01
46 82 83 00-0602 EA 4600MB LCD OVERLAY LABEL (Scott Safety 071-0157) .....	19.84	1.01
46 82 83 00-0603 EA TOUCH PANEL OVERLAY (Scott Safety 071-0159) .....	137.13	6.95
46 82 83 00-0604 EA 7200 TOUCH PANEL (Scott Safety 071-0164) .....	817.81	41.47
46 82 83 00-0605 EA 4600 SENSOR HOUSING END CAP (Scott Safety 073-0165) .....	165.22	8.37
46 82 83 00-0606 EA 4600-IR LCD SUPPORT PANEL (Scott Safety 073-0185) .....	18.17	0.92
46 82 83 00-0607 EA 4600RS S.S. SNSR. HSN. ENDCAP (Scott Safety 073-0210) .....	320.52	16.26
46 82 83 00-0608 EA ADAPTER PLT,QUAD II TO NIC II (Scott Safety 073-0214) .....	82.60	4.19
46 82 83 00-0609 EA MOUNTING BRACKET, FLOWMETER (Scott Safety 073-0215) .....	76.00	3.85
46 82 83 00-0610 EA XP ENCL. W/GLASS COVER (ATEX) (Scott Safety 073-0219) .....	313.91	15.91
46 82 83 00-0611 EA XP ENCL W/GLASS COVER/NON-ATEX (Scott Safety 073-0219-1) .....	318.86	16.18
46 82 83 00-0612 EA 3/4" CONDUIT OUTLET BOX (Scott Safety 073-0226-1) .....	251.13	12.74
46 82 83 00-0613 EA XP ENCL. W/BLIND COVER (ATEX) (Scott Safety 073-0227) .....	236.26	11.98
46 82 83 00-0614 EA GUARD. FILAMENT DETECTOR (6V) (Scott Safety 073-0240) .....	196.60	9.97
46 82 83 00-0615 EA XP ENCL W/DOME COVER,RELAY OPT (Scott Safety 073-0264-1) .....	479.13	24.30
46 82 83 00-0616 EA 4600 THREAD ADAPTER (Scott Safety 073-0328) .....	133.83	6.78
46 82 83 00-0617 EA GUARD. FLAME ARRESTOR (ATEX) (Scott Safety 073-0332) .....	123.91	6.28
46 82 83 00-0618 EA OUTER FLAME ARRESTOR ASSEMBLY (Scott Safety 073-0336) .....	353.56	17.93
46 82 83 00-0619 EA PIPE PLUG 1/8 NPT (Scott Safety 073-0366) .....	8.76	0.44
46 82 83 00-0620 EA JUNCTION BOX NEXT GEN (Scott Safety 073-0367) .....	99.14	5.03
46 82 83 00-0621 EA SUN SHIELD, TRANSMITTER (Scott Safety 073-0373) .....	123.91	6.28
46 82 83 00-0622 EA ADAPTER MOUNTING PLATE (Scott Safety 073-0374) .....	123.91	6.28
46 82 83 00-0623 EA GAS SENSOR DUCT ADAPTER (Scott Safety 074-0138) .....	128.86	6.53
46 82 83 00-0624 EA HOSE TEE 1/4 X 1/4 X 1/4 HDPE (Scott Safety 074-0208) .....	16.53	0.84
46 82 83 00-0625 EA END CAP - NORYL - SERIES 4500 (Scott Safety 074-0225) .....	19.84	1.01
46 82 83 00-0626 EA 4600 ENCLOSURE MOUNTING PLATE (Scott Safety 074-0289) .....	31.39	1.59
46 82 83 00-0627 EA 1/4" OD WHT PP BULKHEAD UNION (Scott Safety 074-0295) .....	13.72	0.70
46 82 83 00-0628 EA 4600 1/4 TURN TFE RAIN SHIELD (Scott Safety 074-0305) .....	102.44	5.20
46 82 83 00-0629 EA 4600-IR RAIN SHIELD (Scott Safety 074-0321) .....	74.35	3.77
46 82 83 00-0630 EA 4600 COND. HUM PFE SNSR SPACER (Scott Safety 074-0331) .....	28.08	1.42
46 82 83 00-0631 EA GRAY PVC FILTER CAGE (12 SLOT) (Scott Safety 074-0340) .....	160.27	8.13
46 82 83 00-0632 EA 4600 SST SENSOR CAP (Scott Safety 074-0344) .....	77.65	3.94
46 82 83 00-0633 EA 4600RS SST SENSOR CAP (Scott Safety 074-0345) .....	71.04	3.61
46 82 83 00-0634 EA 3000/5000 SERIES SENSOR ENDCAP (Scott Safety 074-0357) .....	90.87	4.61
46 82 83 00-0635 EA 5000 ROCK SOLID ENDCAP (Scott Safety 074-0389) .....	82.60	4.19
46 82 83 00-0636 EA 5000 SST ENDCAP (Scott Safety 074-0390) .....	90.87	4.61
46 82 83 00-0637 EA 5000 ROCK SOLID SST ENDCAP (Scott Safety 074-0391) .....	90.87	4.61
46 82 83 00-0638 EA 5600 ENCLOSURE MOUNTING BLOCK (Scott Safety 074-0420) .....	19.84	1.01
46 82 83 00-0639 EA CAL ADAPTER COMBUSTIBLE HEADS (Scott Safety 074-0508) .....	52.87	2.68
46 82 83 00-0640 EA REMOTE TEST ADAPTER (Scott Safety 074-0511) .....	128.86	6.53
46 82 83 00-0641 EA SPLASH GUARD DETECTOR HEAD (Scott Safety 074-0515) .....	19.84	1.01
46 82 83 00-0642 EA F6K, RETENTION SLEEVE, IR SNSR (Scott Safety 074-0525) .....	16.53	0.84
46 82 83 00-0643 EA IS TERMINAL COVER (Scott Safety 074-0528-01) .....	4.95	0.25
46 82 83 00-0644 EA M/F STANDOFF, #8-32 X .625 LG. (Scott Safety 076-0059) .....	5.61	0.28
46 82 83 00-0645 EA BANANA PLUGS (Scott Safety 076-0066) .....	7.11	0.36
46 82 83 00-0646 EA SET SCREW 4-40 X 1/8,FLAT PT. (Scott Safety 076-0077) .....	7.28	0.37
46 82 83 00-0647 EA HINGE SET FOR 5300 ENCLOSURE (Scott Safety 076-0080) .....	42.95	2.18
46 82 83 00-0648 EA HEX STANDOFF,#4-40X1-5/8"(M-F) (Scott Safety 076-0101-02) .....	56.17	2.84

## 46 Water And Wastewater Equipment

## 46 80 Water Treatment Equipment

## 46 82 General Water Treatment Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0649 EA FREEDOM 6000 ADAPTER BD SCREW (Scott Safety 076-0204)	1.81	0.09
46 82 83 00-0650 EA PIPE MTG.BKT.JBOX MERIDIAN (Scott Safety 076-0376)	66.08	3.35
46 82 83 00-0651 EA PIPE MTG.BKT.ENCL.MERIDIAN (Scott Safety 076-0377)	82.60	4.19
46 82 83 00-0652 EA REGULATOR FIX FLOW 0.5LPM (Scott Safety 077-0018)	247.82	12.57
46 82 83 00-0653 EA GAS BOTTLE - ZERO AIR (Scott Safety 077-0019)	251.13	12.74
46 82 83 00-0654 EA GAS BOTTLE - SO2 (Scott Safety 077-0020)	361.82	18.34
46 82 83 00-0655 EA TYGON TUBING 3/16" I.D. (Scott Safety 077-0021)	4.95	0.25
46 82 83 00-0656 EA GAS BOTTLE CARRYING CASE (Scott Safety 077-0023)	118.96	6.04
46 82 83 00-0657 EA H2S/air 8AL (58 liters) 25 ppm (Scott Safety 077-0025)	346.95	17.60
46 82 83 00-0658 EA H2 GAS BOTTLE (Scott Safety 077-0036)	251.13	12.74
46 82 83 00-0659 EA METHANE GAS BOTTLE (Scott Safety 077-0037)	399.83	20.28
46 82 83 00-0660 EA OXYGEN GAS BOTTLE 16% (Scott Safety 077-0039)	318.86	16.18
46 82 83 00-0661 EA NITROGEN GAS BOTTLE (Scott Safety 077-0040)	251.13	12.74
46 82 83 00-0662 EA BUTANE GAS BOTTLE (Scott Safety 077-0041)	318.86	16.18
46 82 83 00-0663 EA SO2 CALIBRATION GAS (9PPM/AIR) (Scott Safety 077-0050)	361.82	18.34
46 82 83 00-0664 EA H2S GAS BOTTLE,10 PPM, BAL AIR (Scott Safety 077-0056)	399.83	20.28
46 82 83 00-0665 EA POCKET SCREWDRIVER W/ MAGNET (Scott Safety 077-0120)	14.53	0.74
46 82 83 00-0666 EA HCL/N2 10 PPM GAS CYL. +/-10% (Scott Safety 077-0124)	758.35	38.46
46 82 83 00-0667 EA NH3/O2 0-50 PPM GAS CYL. +/-5% (Scott Safety 077-0125)	758.35	38.46
46 82 83 00-0668 EA THERMOCOUPLE TYPE K .062 OD (Scott Safety 077-0133)	160.27	8.13
46 82 83 00-0669 EA 120 Volt, 240 Watt, Cable heater Without Hose (Scott Safety 077-0135)	380.00	19.27
46 82 83 00-0670 EA HEATER SHROUD CERAMIC ENDCAP (Scott Safety 077-0138)	39.65	2.02
46 82 83 00-0671 EA FIXED SETPOINT TEMP CONTROLLER (Scott Safety 077-0139)	378.34	19.19
46 82 83 00-0672 EA 120VAC STROBE LIGHT (RED) (Scott Safety 077-0143)	451.04	22.87
46 82 83 00-0673 EA CL2/N2 0-2 PPM GAS CYLINDER (Scott Safety 077-0151)	758.35	38.46
46 82 83 00-0674 EA CL2/N2 0-5 PPM GAS CYLINDER (Scott Safety 077-0152)	758.35	38.46
46 82 83 00-0675 EA HCL/N2 20 PPM GAS CYLINDER (Scott Safety 077-0153)	758.35	38.46
46 82 83 00-0676 EA 4600-IR LAMP EXTRACTION TOOL (Scott Safety 077-0161)	23.13	1.18
46 82 83 00-0677 EA 4688-IR POREX FILTER MAIN SNSR (Scott Safety 077-0166)	16.53	0.84
46 82 83 00-0678 EA 4688-IR RAINSHLD POREX FILTER (Scott Safety 077-0167)	21.48	1.09
46 82 83 00-0679 EA 4688IR LAMP REPL ALLEN KEY (Scott Safety 077-0183)	3.64	0.18
46 82 83 00-0680 EA 0-100 PPM H2S/AIR GAS CYL 58L (Scott Safety 077-0186)	399.83	20.28
46 82 83 00-0681 EA GAS CYL 10 PPM CO/AIR SIZE 6D (Scott Safety 077-0188)	399.83	20.28
46 82 83 00-0682 EA CO2 CYLINDER-1% (Scott Safety 077-0191)	361.82	18.34
46 82 83 00-0683 EA HCL/N2 5 PPM GAS CYLINDER(8AL) (Scott Safety 077-0202)	758.35	38.46
46 82 83 00-0684 EA NO/N2, 0-20 PPM GAS CYLINDER (Scott Safety 077-0203)	758.35	38.46
46 82 83 00-0685 EA NO2/N2, 0-5 PPM GAS CYLINDER (Scott Safety 077-0204)	758.35	38.46
46 82 83 00-0686 EA HCN/N2, 0-10 PPM GAS CYLINDER (Scott Safety 077-0205)	690.60	35.02
46 82 83 00-0687 EA H2S/AIR 0-50 PPM GAS CYLINDER (Scott Safety 077-0206)	361.82	18.34
46 82 83 00-0688 EA NH3/N2 300 PPM GAS CYLINDER (Scott Safety 077-0207)	758.35	38.46
46 82 83 00-0689 EA CL2/N2, 10 PPM GAS CYLINDER (Scott Safety 077-0208)	690.60	35.02
46 82 83 00-0690 EA RAINSHIELD OUTER FILTER(POREX) (Scott Safety 077-0209)	16.53	0.84
46 82 83 00-0691 EA RNSHLD. FILTER MEMBRANE(POREX) (Scott Safety 077-0210)	10.91	0.55
46 82 83 00-0692 EA FILTER MEMBRANE W/HOLE (Scott Safety 077-0210-1)	14.53	0.74
46 82 83 00-0693 EA NH3/N2 25 PPM GAS CYLINDER (Scott Safety 077-0215)	758.35	38.46
46 82 83 00-0694 EA CL2/N2 50 PPM GAS CYLINDER (Scott Safety 077-0217)	758.35	38.46
46 82 83 00-0695 EA HCL/N2 40 PPM GAS CYLINDER (Scott Safety 077-0218)	758.35	38.46
46 82 83 00-0696 EA CL2/N2 20 PPM GAS CYLINDER (Scott Safety 077-0219)	758.35	38.46
46 82 83 00-0697 EA SO2/N2 5 PPM GAS CYLINDER (Scott Safety 077-0220)	758.35	38.46
46 82 83 00-0698 EA SAMPLE DRAW ASPIRATOR (Scott Safety 077-0222)	399.83	20.28
46 82 83 00-0699 EA CO/AIR 500 PPM GAS CYLINDER-6D (Scott Safety 077-0230)	361.82	18.34
46 82 83 00-0700 EA 0.9% PROPANE/AIR GAS CYL., 6D (Scott Safety 077-0241)	318.86	16.18
46 82 83 00-0701 EA 0.3% HEXANE/AIR GAS CYL., 6D (Scott Safety 077-0242)	290.78	14.75
46 82 83 00-0702 EA 0.5% PROPYLENE/AIR GAS CYL., 6D (Scott Safety 077-0244)	318.86	16.18
46 82 83 00-0703 EA ACETYLENE/AIR,1.25% GAS CYL,6D (Scott Safety 077-0245)	318.86	16.18
46 82 83 00-0704 EA CO/AIR 100 PPM GAS CYLINDER,6D (Scott Safety 077-0246)	399.83	20.28
46 82 83 00-0705 EA CO/AIR 250 PPM GAS CYLINDER,6D (Scott Safety 077-0247)	361.82	18.34
46 82 83 00-0706 EA 1% PROPANE GAS CYL.(227 LTRS.) (Scott Safety 077-0249)	332.09	16.84
46 82 83 00-0707 EA 1% HYDROGEN GAS CYL.(212 LTRS) (Scott Safety 077-0250)	332.09	16.84
46 82 83 00-0708 EA .5% PROPANE GAS CYL.(212 LTRS) (Scott Safety 077-0251)	332.09	16.84
46 82 83 00-0709 EA 1.5% METHANE GAS CYL(212 LTRS) (Scott Safety 077-0252)	332.09	16.84
46 82 83 00-0710 EA REGULATOR, FIX FLOW 1.0 LPM (Scott Safety 077-0254)	247.82	12.57
46 82 83 00-0711 EA CO/AIR 25 PPM GAS CYLINDER, 6D (Scott Safety 077-0255)	399.83	20.28
46 82 83 00-0712 EA 0077-126PANE/BAL AIR CYL.,103L (Scott Safety 077-0264)	318.86	16.18
46 82 83 00-0713 EA H2S Gas Cylinder - 2AL 25 PPM (Scott Safety 077-0272)	224.71	11.39
46 82 83 00-0714 EA 02 18.5% GAS CYLINDER, 7HP-34L (Scott Safety 077-0274)	140.44	7.13
46 82 83 00-0715 EA SO2 GAS CYLINDER-10PPM,2AL-34L (Scott Safety 077-0276)	270.95	13.75
46 82 83 00-0716 EA NH3 GAS CYLINDER-25PPM 2AL-34L (Scott Safety 077-0277)	409.74	20.78
46 82 83 00-0717 EA HCN GAS CYLINDER-10PPM 2AL-34L (Scott Safety 077-0278)	634.43	32.18
46 82 83 00-0718 EA CL2 GAS CYLINDER-5 PPM 2AL-34L (Scott Safety 077-0279)	451.04	22.87
46 82 83 00-0719 EA NO2 GAS CYLINDER-5 PPM,2AL-34L (Scott Safety 077-0280)	409.74	20.78
46 82 83 00-0720 EA FILTER CUP, SAMPLE PROBE (Scott Safety 077-0292)	18.17	0.92
46 82 83 00-0721 EA HEX-NUT COMPRESSION FITTING (Scott Safety 077-0294)	12.89	0.65
46 82 83 00-0722 EA INTERCHANGEABLE PROBE TUBE (Scott Safety 077-0295)	18.17	0.92
46 82 83 00-0723 EA COMPRESSION SLEEVE, PROBE (Scott Safety 077-0296)	3.64	0.18
46 82 83 00-0724 EA O-RING, SAMPLE PROBE (Scott Safety 077-0297)	3.64	0.18
46 82 83 00-0725 EA FLOW SWITCH, SPDT (Scott Safety 077-0304)	1,039.22	52.70
46 82 83 00-0726 EA THERMAL SWITCH,N.O. W/6" LEADS (Scott Safety 077-0324)	36.36	1.84
46 82 83 00-0727 EA DEMAND FLOW REGULATOR,2AL TYPE (Scott Safety 077-0342)	679.04	34.44
46 82 83 00-0728 EA DEMAND FLOW REGULATOR,7HP TYPE (Scott Safety 077-0343)	679.04	34.44
46 82 83 00-0729 EA NO GAS CYL.-30 PPM, 2AL-34L (Scott Safety 077-0346)	409.74	20.78



<b>Water And Wastewater Equipment</b>	<b>46</b>
<b>Water Treatment Equipment</b>	<b>46 80</b>
<b>General Water Treatment Equipment</b>	<b>46 82</b>

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0730 EA METHANE/O2/H2S GAS CYL. 34L (Scott Safety 077-0355) .....	409.74	20.78
46 82 83 00-0731 EA METHANE/BAL. AIR CYL. 34L 2AL (Scott Safety 077-0357) .....	92.52	4.70
46 82 83 00-0732 EA METHANE/BAL. AIR GAS CYL. 103L (Scott Safety 077-0358) .....	231.30	11.73
46 82 83 00-0733 EA ETO GAS CYLINDER-5 PPM,8AL/58L (Scott Safety 077-0377) .....	680.69	34.52
46 82 83 00-0734 EA Ethylene Oxide/N2 bal - 8AL 10 PPM (Scott Safety 077-0378) .....	495.65	25.13
46 82 83 00-0735 EA 1/16" HEX KEY (Scott Safety 077-0461) .....	3.64	0.18
46 82 83 00-0736 EA CYL,CARBON MONOXIDE,250PPM 17L (Scott Safety 077-1224) .....	100.79	5.11
46 82 83 00-0737 EA CYL,HYDROGEN, 2% (50% LEL) 17L (Scott Safety 077-1228) .....	72.69	3.69
46 82 83 00-0738 EA CYL, METHANE/AIR, 1.10% 17L (Scott Safety 077-1229) .....	79.30	4.02
46 82 83 00-0739 EA CYL, METHANE/AIR, 2.20% 17L (Scott Safety 077-1230) .....	79.30	4.02
46 82 83 00-0740 EA CYL, METHANE/AIR 2.50% 17L (Scott Safety 077-1231) .....	72.69	3.69
46 82 83 00-0741 EA CYL,NITROGEN, 100% 7EOC/17L (Scott Safety 077-1232) .....	79.30	4.02
46 82 83 00-0742 EA CYL,OXYGEN/BAL N2,5% 7EOC/17L (Scott Safety 077-1233) .....	92.52	4.70
46 82 83 00-0743 EA CYL,OXYGEN/BAL N2,20.90% 17L (Scott Safety 077-1234) .....	79.30	4.02
46 82 83 00-0744 EA CYL,PROPANE/AIR,0.30%,7EOC/17L (Scott Safety 077-1235) .....	72.69	3.69
46 82 83 00-0745 EA CYL,PROPANE/AIR,0.44%,7EOC/17L (Scott Safety 077-1236) .....	72.69	3.69
46 82 83 00-0746 EA CYL,PROPANE/AIR,1.00% 7EOC/17L (Scott Safety 077-1237) .....	79.30	4.02
46 82 83 00-0747 EA REGULATOR, 0.5LPM (MODEL 713) (Scott Safety 077-1238) .....	247.82	12.57
46 82 83 00-0748 EA PH3 GAS CYLINDER,1 PPM 2AL-34L (Scott Safety 077-1239) .....	409.74	20.78
46 82 83 00-0749 EA PH3 GAS CYLINDER-500PPB 2AL-34 (Scott Safety 077-1240) .....	598.09	30.32
46 82 83 00-0750 EA PH3 GAS CYLINDER-500PPB 8AL-58 (Scott Safety 077-1241) .....	898.78	45.58
46 82 83 00-0751 EA .55% C3H8/50PPM CO/AIR,103L/6D (Scott Safety 077-1262) .....	358.52	18.18
46 82 83 00-0752 EA .55% C3H8/25PPM H2S/AIR, 58L (Scott Safety 077-1263) .....	540.26	27.39
46 82 83 00-0753 EA .55% C3H8/50PPM CO/AIR CYL,34L (Scott Safety 077-1265) .....	160.27	8.13
46 82 83 00-0754 EA .55%C3H8/25PPM H2S/AIR CYL,34L (Scott Safety 077-1266) .....	409.74	20.78
46 82 83 00-0755 EA .55% PROPANE/BAL AIR CYL.,34L (Scott Safety 077-1267) .....	145.39	7.37
46 82 83 00-0756 EA REGULATOR, .5 LPM (MODEL 702) (Scott Safety 077-1268) .....	137.13	6.95
46 82 83 00-0757 EA REGULATOR, .5 LPM (MODEL 705) (Scott Safety 077-1271) .....	180.09	9.13
46 82 83 00-0758 EA TOOL KIT (Scott Safety 077-1308) .....	46.26	2.35
46 82 83 00-0759 EA LAMP CLEANING KIT (Scott Safety 077-1309) .....	69.39	3.52
46 82 83 00-0760 EA CALIBRATION KIT (Scott Safety 077-1311) .....	57.83	2.93
46 82 83 00-0761 EA PUMP, SINGLE HEAD, DIA-VAC (Scott Safety 077-1316) .....	665.82	33.77
46 82 83 00-0762 EA 10 PPM ISOBUTYLENE/BAL AIR,6D (Scott Safety 077-1338) .....	337.04	17.09
46 82 83 00-0763 EA SIH4/N2, 0-10PPM, GAS CYLINDER (Scott Safety 077-1349) .....	2,560.86	129.87
46 82 83 00-0764 EA PH3/N2, 0-10PPM, GAS CYLINDER (Scott Safety 077-1350) .....	2,560.86	129.87
46 82 83 00-0765 EA 2.5% CO2/AIR, 103L, GAS CYL (Scott Safety 077-1375) .....	272.61	13.82
46 82 83 00-0766 EA FITTING,10-32QD,RT ANG,1/8TUBE (Scott Safety 077-1385) .....	16.53	0.84
46 82 83 00-0767 EA FITTING,10-32QD,RT ANG,1/4TUBE (Scott Safety 077-1386) .....	190.00	9.63
46 82 83 00-0768 EA REDUCER 3/4 NPT TO 20 mm (Scott Safety 077-1402) .....	67.74	3.44
46 82 83 00-0769 EA STOPPING PLUG 20mm (Scott Safety 077-1404) .....	46.26	2.35
46 82 83 00-0770 EA LOW FLOW REGULATOR (Scott Safety 077-1416) .....	247.82	12.57
46 82 83 00-0771 EA PIEZO-A-LERT HORN (Scott Safety 086-0004) .....	36.36	1.84
46 82 83 00-0772 EA Acetylene - 6D 1.25% (50% LEL) Tygon Non-Reactive (096-3500 or 096-3502) (Scott Safety 077-0245) .....	289.88	14.70
46 82 83 00-0773 EA Butane - 6D 0.5% (25% LEL) Tygon Non-Reactive (096-3500 or 096-3502) (Scott Safety 077-0041) .....	289.88	14.70
46 82 83 00-0774 EA Carbon Dioxide [N2 Bal] - 6D 1% Tygon Non-Reactive (096-3500 or 096-3502) (Scott Safety 077-0191) .....	328.94	16.68
46 82 83 00-0775 EA Carbon Monoxide - 6D 10 PPM Tygon Non-Reactive (096-3500) (Scott Safety 077-0188) .....	363.48	18.43
46 82 83 00-0776 EA Carbon Monoxide - 6D 100 PPM Tygon Non-Reactive (096-3500) (Scott Safety 077-0246) .....	363.48	18.43
46 82 83 00-0777 EA Carbon Monoxide - 6D 25 PPM Tygon Non-Reactive (096-3500) (Scott Safety 077-0255) .....	363.48	18.43
46 82 83 00-0778 EA Carbon Monoxide - 6D 250 PPM Tygon Non-Reactive (096-3500) (Scott Safety 077-0247) .....	328.94	16.68
46 82 83 00-0779 EA Carbon Monoxide - 6D 500 PPM Tygon Non-Reactive (096-3500) (Scott Safety 077-0230) .....	328.94	16.68
46 82 83 00-0780 EA Hydrogen - 6D 2% (50% LEL) Tygon Non-Reactive (096-3500 or 096-3502) (Scott Safety 077-0036) .....	262.85	13.32
46 82 83 00-0781 EA Methane - 6D 2.5% (50% LEL) Tygon Non-Reactive (096-3500 or 096-3502) (Scott Safety 077-0037) .....	367.98	18.65
46 82 83 00-0782 EA Methane - 6D 1.62 % (32% LEL) Tygon Non-Reactive (096-3500 or 096-3502) (Scott Safety 077-0358) .....	232.80	11.80
46 82 83 00-0783 EA O2/Propane Mixture - 6D 25% LEL Propane Tygon Non-Reactive (096-3500 or 096-3502) (Scott Safety 077-0264) .....	313.91	15.91
46 82 83 00-0784 EA Nitrogen - 6D 100% Tygon Non-Reactive (096-3500) (Scott Safety 077-0040) .....	268.85	13.64
46 82 83 00-0785 EA Oxygen [N2 Bal] - 6D 16% Tygon Non-Reactive (096-3500) (Scott Safety 077-0039) .....	328.94	16.68
46 82 83 00-0786 EA Propane - 6D 0.9% (44% LEL) Tygon Non-Reactive (096-3500 or 096-3502) (Scott Safety 077-0241) .....	343.96	17.45
46 82 83 00-0787 EA Propylene - 6D 0.5% (25% LEL) Tygon Non-Reactive (096-3500 or 096-3502) (Scott Safety 077-0244) .....	343.96	17.45
46 82 83 00-0788 EA Zero air - 6D 20.9% O2 in N2 Tygon Non-Reactive (096-3500 or 096-3502) (Scott Safety 077-0019) .....	265.85	13.48
46 82 83 00-0789 EA 4600 GAS PLUS XMTR MANUAL (Scott Safety 087-0005) .....	47.51	
46 82 83 00-0790 EA 4688IR COMB. GAS XMTR MANUAL (Scott Safety 087-0007) .....	48.99	
46 82 83 00-0791 EA 4600 MODBUS GAS XMTR. MANUAL (Scott Safety 087-0014) .....	35.63	
46 82 83 00-0792 EA INSTRUCTION MAN., SENTINEL VI (Scott Safety 087-0018) .....	47.51	
46 82 83 00-0793 EA 5000 O & M MANUAL (Scott Safety 087-0020) .....	48.99	
46 82 83 00-0794 EA MANUAL,7800-16 CHAN CONTROLLER (Scott Safety 087-0021) .....	44.54	
46 82 83 00-0795 EA 7400 QUAD SCAN II O & M MANUAL (Scott Safety 087-0023) .....	17.82	
46 82 83 00-0796 EA FREEDOM 5600 O & M MANUAL (Scott Safety 087-0024) .....	46.02	
46 82 83 00-0797 EA MANUAL, MODEL 7200 O & M (Scott Safety 087-0026) .....	26.72	
46 82 83 00-0798 EA 6000 TOXIC COMBUSTIBLE MANUAL (Scott Safety 087-0044) .....	16.33	
46 82 83 00-0799 EA 50W, 40 OHM, ALUM POWER RESIS (Scott Safety 090-0088) .....	31.29	1.55
46 82 83 00-0800 EA 4600 ELASTOMER CONNECTOR ASSEMBLY (Scott Safety 093-0097) .....	62.59	3.08
46 82 83 00-0801 EA MICROGASS SYSTEM WITH HEAT SAMPLE LINE (Scott Safety 093-0102-1) .....	14,230.60	701.85
46 82 83 00-0802 EA DISPLAY BOARD ASSEMBLY (Scott Safety 093-0213) .....	3,722.36	183.59
46 82 83 00-0803 EA ANALOG INPUT BOARD (Scott Safety 093-0214) .....	617.64	30.46
46 82 83 00-0804 EA ANALOG OUTPUT BOARD (Scott Safety 093-0215) .....	648.94	32.01
46 82 83 00-0805 EA I/O CONTROLLER ASSEMBLY (Scott Safety 093-0216) .....	1,421.41	70.11
46 82 83 00-0806 EA 6 CHANNEL DISCRETE RELAY BOARD (Scott Safety 093-0217) .....	663.76	32.73
46 82 83 00-0807 EA BOARD INTERCONNECT CABLE (Scott Safety 093-0220) .....	49.41	2.43
46 82 83 00-0808 EA AUXILIARY BOARD ASSEMBLY (Scott Safety 093-0222) .....	238.82	11.78
46 82 83 00-0809 EA MAIN I/O CONTROLLER P.C.B.A. (Scott Safety 093-0243) .....	1,421.41	70.11

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0810	EA		SENTINEL 16 DISPLAY BOARD ASSY (Scott Safety 093-0267) .....	4,990.59	246.13
46 82 83 00-0811	EA		8 CHANNEL ANALOG INPUT BOARD (Scott Safety 093-0268) .....	853.18	42.08
46 82 83 00-0812	EA		8 CHANNEL DISCRETE RELAY BOARD (Scott Safety 093-0269) .....	853.18	42.08
46 82 83 00-0813	EA		8 CHANNEL 4-20MA OUTPUT BOARD (Scott Safety 093-0270) .....	853.18	42.08
46 82 83 00-0814	EA		DIR CATBEAD/4-20MA IN BASE BRD (Scott Safety 093-0271) .....	1,042.58	51.43
46 82 83 00-0815	EA		PC BASED GRAPHIC MMI SOFTWARE (Scott Safety 093-0275) .....	6,275.31	309.50
46 82 83 00-0816	EA		RS485 TO RS232 CONVERTER (Scott Safety 093-0276) .....	917.41	45.25
46 82 83 00-0817	EA		NEMA 4X EXPANSION ENCLOSURE (Scott Safety 093-0277) .....	896.00	44.19
46 82 83 00-0818	EA		SENSOR, H2S REPLACEMENT (NIC) (Scott Safety 093-0285) .....	597.87	29.49
46 82 83 00-0819	EA		SENSOR,O2 (REPLACES 0051-8072) (Scott Safety 093-0286) .....	377.17	18.60
46 82 83 00-0820	EA		I.S. ACTIVE BARRIER (Scott Safety 093-0291) .....	497.42	24.53
46 82 83 00-0821	EA		I.S. PASSIVE BARRIER (Scott Safety 093-0292) .....	780.71	38.51
46 82 83 00-0822	EA		DUAL CHANNEL CATBEAD MODULE (Scott Safety 093-0297) .....	332.70	16.41
46 82 83 00-0823	EA		PIEZO ELECTRIC BUZZER (90DB) (Scott Safety 093-0299) .....	449.64	22.18
46 82 83 00-0824	EA		4 POS EXPANSION PLT W/MTG S/O (Scott Safety 093-0306) .....	256.95	12.68
46 82 83 00-0825	EA		6 POS EXPANSION PLT W/MTG S/O (Scott Safety 093-0307) .....	362.36	17.87
46 82 83 00-0826	EA		SMART NIC LEL MODULE (Scott Safety 093-0309) .....	774.12	38.18
46 82 83 00-0827	EA		IC2 CABLE ASSY.,10 FT. LENGTH (Scott Safety 093-0312) .....	75.76	3.74
46 82 83 00-0828	EA		NIC 24 Volt LEL XMTR Without ENCLOSURE (Scott Safety 093-0313) .....	1,844.72	90.98
46 82 83 00-0829	EA		PRINTER INTERFACE OPT. BOARD (Scott Safety 093-0338) .....	835.06	41.18
46 82 83 00-0830	EA		RIBBON CABLE ASSY.,10/C (Scott Safety 093-0339) .....	39.53	1.95
46 82 83 00-0831	EA		MEMBRANE FILTER,HI-FLOW,1/4NPT (Scott Safety 093-0359) .....	1,314.34	64.82
46 82 83 00-0832	EA		7200 PLUS Dual 4-20 input 4X (Scott Safety 093-0427) .....	2,404.70	118.60
46 82 83 00-0833	EA		7200PLUS W/DUAL CAT BEAD BD. (Scott Safety 093-0428) .....	2,585.88	127.53
46 82 83 00-0834	EA		7200PLUS DUAL 4-20 INPT NEMA 7 (Scott Safety 093-0429) .....	6,687.06	329.81
46 82 83 00-0835	EA		7200 PLUS DUAL CAT BEAD BOARD (Scott Safety 093-0430) .....	5,698.83	281.06
46 82 83 00-0836	EA		7200 PLUS IN NEMA 4X ENCLOSURE (Scott Safety 093-0431) .....	2,388.23	117.79
46 82 83 00-0837	EA		7200 PLUS N BOLT ON LID NEMA 7 (Scott Safety 093-0432) .....	5,557.65	175.47
46 82 83 00-0838	EA		DUAL CHANNEL 4-20mA INPUT (Scott Safety 093-0433) .....	171.29	8.45
46 82 83 00-0839	EA		DUAL COMB. CAT BD SEN. INPUT (Scott Safety 093-0434) .....	306.36	15.11
46 82 83 00-0840	EA		DISCRETE ALARM RELAY BOARD (Scott Safety 093-0435) .....	393.65	19.42
46 82 83 00-0841	EA		DUAL 4-20 mA OUTPUT (Scott Safety 093-0436) .....	331.06	16.33
46 82 83 00-0842	EA		MODBUS RTU ADDRESSABLE INTERFA (Scott Safety 093-0438) .....	428.24	21.12
46 82 83 00-0843	EA		100db PIEZO AUDIBLE ALARM (Scott Safety 093-0439) .....	247.06	12.18
46 82 83 00-0844	EA		DUAL LIGHT STACK (AMBER/RED) (Scott Safety 093-0440) .....	676.94	33.39
46 82 83 00-0845	EA		REPLACEMENT NEMA 4X ENCLOSURE (Scott Safety 093-0441) .....	308.00	15.19
46 82 83 00-0846	EA		REPLACEMENT NEMA 4X DOOR (Scott Safety 093-0442) .....	179.53	8.85
46 82 83 00-0847	EA		MAGNETIC WAND NEMA 7XP ENCLOSU (Scott Safety 093-0443) .....	21.41	1.05
46 82 83 00-0848	EA		MAGNETIC WAND NEMA 4 ENCLOSURE (Scott Safety 093-0444) .....	16.48	0.81
46 82 83 00-0849	EA		FUSE, 2AMP (Scott Safety 093-0445) .....	18.12	0.89
46 82 83 00-0850	EA		MOTHER BOARD ASSEMBLY (Scott Safety 093-0446) .....	1,011.29	49.88
46 82 83 00-0851	EA		CD READOUT/MICROCONTROLLER (Scott Safety 093-0447) .....	1,024.47	50.52
46 82 83 00-0852	EA		FREEDOM PID EXTERNAL FILTERS (Scott Safety 093-0448) .....	164.71	8.13
46 82 83 00-0853	EA		NEMA 4X CATBEAD INPUT RELAYS (Scott Safety 093-0455) .....	5,155.30	254.26
46 82 83 00-0854	EA		NEMA 4X 4CHANNEL CATBEAD INPUT (Scott Safety 093-0456) .....	4,480.01	220.95
46 82 83 00-0855	EA		NEMA 4X 4-20ma INPUT RELAYS (Scott Safety 093-0457) .....	4,792.94	236.39
46 82 83 00-0856	EA		NEMA 4X 4 CHANNEL 4-20ma INPUT (Scott Safety 093-0458) .....	4,430.59	218.52
46 82 83 00-0857	EA		NEMA 7 4 CHANNEL CATBEAD INPUT (Scott Safety 093-0459) .....	9,981.19	492.27
46 82 83 00-0858	EA		NEMA 7 DIRECT CATBEAD INPUT (Scott Safety 093-0460) .....	9,552.95	471.15
46 82 83 00-0859	EA		NEMA 7 4-20ma INPUT RELAYS (Scott Safety 093-0461) .....	9,635.30	475.21
46 82 83 00-0860	EA		NEMA 7 4 CHANNEL 4-20ma INPUT (Scott Safety 093-0462) .....	9,289.42	458.15
46 82 83 00-0861	EA		NEMA 4X 4 CHANNEL BASE UNIT (Scott Safety 093-0463) .....	3,788.24	186.84
46 82 83 00-0862	EA		NEMA 7 4 CHANNEL BASE UNIT (Scott Safety 093-0464) .....	9,042.36	445.97
46 82 83 00-0863	EA		QUAD QUAD CHANNEL 4-20ma INPUT (Scott Safety 093-0465) .....	284.93	14.05
46 82 83 00-0864	EA		QUAD CATBEAD SENSOR INPUT (Scott Safety 093-0466) .....	556.70	27.46
46 82 83 00-0865	EA		QUAD CHANNEL 4-20ma OUTPUT (Scott Safety 093-0467) .....	452.94	22.34
46 82 83 00-0866	EA		50 WATT NEMA 4X DIV2 P/S (Scott Safety 093-0468) .....	965.17	47.60
46 82 83 00-0867	EA		50 WATT NEMA 7 DIV 1 P/S (Scott Safety 093-0469) .....	1,119.99	55.24
46 82 83 00-0868	EA		6000 XMTR Without SENSOR HEAD (Scott Safety 093-0479) .....	1,348.94	66.53
46 82 83 00-0869	EA		6000 POWER I/O PCBA (Scott Safety 093-0498) .....	316.25	15.60
46 82 83 00-0870	EA		6000 DISPLAY ASSEMBLY (Scott Safety 093-0499) .....	968.47	47.76
46 82 83 00-0871	EA		6000 RAW PLUG IN SENSOR (Scott Safety 093-0500) .....	606.12	29.89
46 82 83 00-0872	EA		6000 DUCT MOUNT ASSY. FLAT (Scott Safety 093-0502) .....	518.82	25.59
46 82 83 00-0873	EA		6000 DISPLAY PCB ONLY (Scott Safety 093-0503) .....	1,204.00	59.38
46 82 83 00-0874	EA		6000 ALARM RELAYS /RS-485 OPT. (Scott Safety 093-0504) .....	433.17	21.36
46 82 83 00-0875	EA		6000 ISOLATED 4-20MA OUTPUT (Scott Safety 093-0505) .....	433.17	21.36
46 82 83 00-0876	EA		6000 SENSOR HEAD SPLASH GUARD (Scott Safety 093-0507) .....	77.41	3.82
46 82 83 00-0877	EA		FREEDOM 6000 RIBBON CABLE (Scott Safety 093-0513) .....	52.70	2.60
46 82 83 00-0878	EA		FREEDOM 6000 SENSOR (PROPANE) (Scott Safety 093-0515) .....	723.06	35.67
46 82 83 00-0879	EA		STROBE LIGHT, RED (Scott Safety 093-0518) .....	904.23	44.60
46 82 83 00-0880	EA		BATTERY, D CELL 3.6 V LITHIUM (Scott Safety 093-0519) .....	217.41	10.73
46 82 83 00-0881	EA		SENSOR, COMBUSTIBLE (Scott Safety 093-0524) .....	255.29	12.60
46 82 83 00-0882	EA		6000 STAINLESS STEEL ENCLOSURE (Scott Safety 093-0535) .....	517.17	25.51
46 82 83 00-0883	EA		SENSOR IR CO2 0-5% (Scott Safety 093-0536) .....	653.89	32.25
46 82 83 00-0884	EA		7400 PLUS DISPLAY BOARD (Scott Safety 093-0538) .....	1,087.06	53.62
46 82 83 00-0885	EA		METAL FILTER GAS ADAPTER (Scott Safety 093-0540) .....	199.30	9.83
46 82 83 00-0886	EA		TITL MOUNT FV40 (Scott Safety 093-0543) .....	225.65	11.13
46 82 83 00-0887	EA		FV40 AIR SHIELD ASSEMBLY (Scott Safety 093-0548) .....	1,235.30	60.92
46 82 83 00-0888	EA		FV40 LASER (POINTER) AIMER (Scott Safety 093-0549) .....	942.12	46.46
46 82 83 00-0889	EA		FV40 WEATHER PROTECTION ASSY. (Scott Safety 093-0552) .....	263.53	13.00
46 82 83 00-0890	EA		FV40 I3 W2 FM 3/4" 75C SS (Scott Safety 093-0556-10) .....	4,937.89	243.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0891 EA FV40 PROGRAMMER AND INTERFACE (Scott Safety 093-0565) .....	518.82	25.59
46 82 83 00-0892 EA FV40 BRACKET ASSEMBLY 2" DIA. (Scott Safety 093-0566) .....	266.83	13.16
46 82 83 00-0893 EA FV40 BRACKET ASSEMBLY 3" DIA. (Scott Safety 093-0567) .....	266.83	13.16
46 82 83 00-0894 EA I/O PC BOARD (Scott Safety 093-0568) .....	1,306.12	64.41
46 82 83 00-0895 EA SENTINEL 6 7600-2-3-1-1-1-1 (Scott Safety 093-0569) .....	7,494.12	369.61
46 82 83 00-0896 EA Cover, Alum Encl, Meridia (Scott Safety 093-0603) .....	107.06	5.28
46 82 83 00-0897 EA Cover, Stainless Encl, Meridia (Scott Safety 093-0604) .....	255.29	12.60
46 82 83 00-0898 EA 7200+,4X,4-20 IN,CSA (Scott Safety 093-0616) .....	2,190.59	108.03
46 82 83 00-0899 EA 7200+,4X,CATBEAD IN,CSA (Scott Safety 093-0617) .....	2,371.77	116.97
46 82 83 00-0900 EA 7400+,4X,CATBEAD IN,CSA (Scott Safety 093-0618) .....	4,644.71	229.08
46 82 83 00-0901 EA 7400+,4X,4-20 IN,CSA (Scott Safety 093-0619) .....	4,364.71	215.26
46 82 83 00-0902 EA 7200+,4X,4-20 IN,RELAY,PIEZO (Scott Safety 093-0620) .....	2,618.82	129.16
46 82 83 00-0903 EA BATTERY BACKUP SYSTEM (Scott Safety 096-0719) .....	1,828.24	90.17
46 82 83 00-0904 EA 6800 POWER SUPPLY MODULE ASSY (Scott Safety 096-1275) .....	1,292.94	63.77
46 82 83 00-0905 EA 6800 CPU PC BOARD ASSEMBLY (Scott Safety 096-1284) .....	1,292.94	63.77
46 82 83 00-0906 EA 6800 POWER SUPPLY PC BD ASSY (Scott Safety 096-1285) .....	1,095.29	54.02
46 82 83 00-0907 EA 6800 REC. MODULE-DISPLAY PC BD (Scott Safety 096-1288) .....	657.17	32.41
46 82 83 00-0908 EA SCREW-ON RAIN SHIELD/CAL ADAPT (Scott Safety 096-1621) .....	136.70	6.74
46 82 83 00-0909 EA RELAY ALARM SYSTEM FINAL ASSY (Scott Safety 096-2123) .....	6,127.06	302.19
46 82 83 00-0910 EA RELAY ALARM SYSTEM W/FAILSAFE (Scott Safety 096-2123FS) .....	6,901.18	340.36
46 82 83 00-0911 EA RELAY ALARM SYSTEM FINAL ASSY. (Scott Safety 096-2123SS) .....	6,901.18	340.36
46 82 83 00-0912 EA SERIES 7400 POWER SUPPLY PCBA (Scott Safety 096-2383) .....	1,152.95	56.86
46 82 83 00-0913 EA SERIES 7400 CPU PCB ASSY. (Scott Safety 096-2384) .....	663.76	32.73
46 82 83 00-0914 EA HCN FILTER FOR COCL2 SENSORS (Scott Safety 096-2386) .....	286.58	14.13
46 82 83 00-0915 EA GENERIC GAS CAL KIT W/1LPM REG (Scott Safety 096-2393) .....	723.06	35.67
46 82 83 00-0916 EA 4600 25 PPM CO/AIR CAL. KIT (Scott Safety 096-2394) .....	1,075.53	53.05
46 82 83 00-0917 EA 4600 SST H2S TEST GEN ASSY. (Scott Safety 096-2409) .....	948.71	46.80
46 82 83 00-0918 EA SENSOR F/A 4635 MMH 0-50 PPM (Scott Safety 096-2423-0050) .....	726.35	35.83
46 82 83 00-0919 EA 4600IR GAS TEST ASSEMBLY (Scott Safety 096-2449) .....	144.94	7.14
46 82 83 00-0920 EA RS SCRW-ON RAIN SHLD/CAL ADAPT (Scott Safety 096-2469) .....	140.00	6.90
46 82 83 00-0921 EA CABLE ASSY,4600/4600MB REMOTE (Scott Safety 096-2494) .....	233.89	11.53
46 82 83 00-0922 EA DISPLAY BOARD ASSY. MODIFIED (Scott Safety 096-2497-1PYR) .....	398.59	19.66
46 82 83 00-0923 EA Comb. Gas Cal Kit for 7HP Cyl. 0.5 LPM Female Reg. (Scott Safety 096-2506-4) .....	378.82	18.68
46 82 83 00-0924 EA Q-NET TO NICII STD. UPGRADE (Scott Safety 096-2610-5) .....	2,009.42	99.11
46 82 83 00-0925 EA Q-NET TO NIC II,W/RELAYS (Scott Safety 096-2611-1) .....	2,585.88	127.53
46 82 83 00-0926 EA CABLE ASSY,DISPLAY TO P/S (Scott Safety 096-2613) .....	51.05	2.52
46 82 83 00-0927 EA ASSY,3000/5000 WALL MTG PLATE (Scott Safety 096-2618) .....	59.31	2.92
46 82 83 00-0928 EA 1/4T FLOWCELL ASSY. (NORYL) (Scott Safety 096-2669) .....	194.35	9.58
46 82 83 00-0929 EA COND. HUMIDITY ENDCAP ASSY (Scott Safety 096-2673) .....	148.23	7.31
46 82 83 00-0930 EA DIFFUSION DETECTOR ASSEMBLY (Scott Safety 096-2678) .....	788.94	38.91
46 82 83 00-0931 EA POSITIVE FLOW DETECTOR ASSY. (Scott Safety 096-2679) .....	737.88	36.39
46 82 83 00-0932 EA SERIES 7400 REMOTE RELAY PCBA (Scott Safety 096-2688) .....	711.54	35.09
46 82 83 00-0933 EA SER 7400 REMOTE RELAY ASSEMBLY (Scott Safety 096-2691) .....	853.18	42.08
46 82 83 00-0934 EA SNSR HOUSING ASSY(FOR CONDUIT) (Scott Safety 096-2706-1) .....	502.35	24.78
46 82 83 00-0935 EA 3/4" FLEX CONDUIT ASSY./3 FT. (Scott Safety 096-2707) .....	686.83	33.88
46 82 83 00-0936 EA RAIN SHIELD BASE ASSEMBLY (Scott Safety 096-2709) .....	219.05	10.81
46 82 83 00-0937 EA ENDCAP ASSY W/IPA FILTER (Scott Safety 096-2719) .....	424.93	20.96
46 82 83 00-0938 EA HOSE DOWN ADAPTER BASE ASSY. (Scott Safety 096-2727) .....	215.76	10.65
46 82 83 00-0939 EA 7400/SAFESPACE ENCLOSURE DRILL (Scott Safety 096-2728) .....	219.05	10.81
46 82 83 00-0940 EA SENSOR HOUSING ASSY. W/WINDOW (Scott Safety 096-2735-1) .....	372.24	18.36
46 82 83 00-0941 EA SENSOR HOUSING ASSEMBLY Without WINDOW (Scott Safety 096-2735-2) .....	566.59	27.94
46 82 83 00-0942 EA SST SNSR HOUSING ASSY W/WINDOW (Scott Safety 096-2736-1) .....	676.94	33.39
46 82 83 00-0943 EA STAINLESS STEEL SENSOR HOUSING ASSEMBLY Without WINDOW (Scott Safety 096-2736-2) .....	1,362.12	67.17
46 82 83 00-0944 EA DISPLAY/OVERLAY ASY W/MAGNETIC (Scott Safety 096-2739) .....	377.17	18.60
46 82 83 00-0945 EA DISPLAY/OVERLAY ASY W/P-BUTTON (Scott Safety 096-2739-1) .....	390.36	19.25
46 82 83 00-0946 EA 4888 H2 2% (50% LEL) CAL KIT (Scott Safety 096-2745) .....	1,039.30	51.25
46 82 83 00-0947 EA PROPANE 0.9% (40.9%LEL)CAL KIT (Scott Safety 096-2746) .....	1,039.30	51.25
46 82 83 00-0948 EA METHANE 2.5% (50% LEL) CAL KIT (Scott Safety 096-2747) .....	1,039.30	51.25
46 82 83 00-0949 EA GENERIC CALIBRATION KIT (Scott Safety 096-2748) .....	457.88	22.58
46 82 83 00-0950 EA H2S - Model 21 Low Methanol Sensitivity [25 PPM] (Scott Safety 096-2751-0025) .....	1,057.42	52.15
46 82 83 00-0951 EA SENSOR F/A H2S-LM 0-50 PPM (Scott Safety 096-2751-0050) .....	1,057.42	52.15
46 82 83 00-0952 EA SENSOR F/A H2S-LM 0-100 PPM (Scott Safety 096-2751-0100) .....	1,057.42	52.15
46 82 83 00-0953 EA H2S - Model 21 Low Methanol Sensitivity [200 PPM] (Scott Safety 096-2751-0200) .....	1,057.42	52.15
46 82 83 00-0954 EA SENSOR SIMULATOR ASSEMBLY (Scott Safety 096-2773) .....	403.53	19.90
46 82 83 00-0955 EA STAINLESS STEEL TAG W/WIRE (Scott Safety 096-2776) .....	52.70	2.60
46 82 83 00-0956 EA EXPLOSION-PROOF J-BOX ASSEMBLY (Scott Safety 096-2794) .....	390.36	19.25
46 82 83 00-0957 EA SST REM SENSOR 10/C CABLE ASSY (Scott Safety 096-2798) .....	186.12	9.18
46 82 83 00-0958 EA REMOTE SENSOR 8/C CABLE ASSY. (Scott Safety 096-2799) .....	87.29	4.31
46 82 83 00-0959 EA I/O BOARD ASSY. MOD/NIC II LEL (Scott Safety 096-2805) .....	709.89	35.00
46 82 83 00-0960 EA REM SENSOR HSNG ASSY W/WINDOW (Scott Safety 096-2806-1) .....	410.12	20.23
46 82 83 00-0961 EA REMOTE SENSOR HOUSING ASSEMBLY Without WINDOW (Scott Safety 096-2806-2) .....	410.12	20.23
46 82 83 00-0962 EA SENTINEL II ASSY 2 CH W/BATT (Scott Safety 096-2815-4) .....	2,503.52	123.47
46 82 83 00-0963 EA 7200 P/S PCB ASSY 1 CHANNEL (Scott Safety 096-2817-1) .....	667.06	32.89
46 82 83 00-0964 EA 7200 P/S PCB ASSY 2 CHANNEL (Scott Safety 096-2817-2) .....	994.82	49.07
46 82 83 00-0965 EA 7200 CPU PCB ASSEMBLY 2 CHANEL (Scott Safety 096-2818-2) .....	775.78	38.26
46 82 83 00-0966 EA BATTERY BACK-UP CABLE ASSY (Scott Safety 096-2819) .....	93.89	4.63
46 82 83 00-0967 EA 7200 BATTERY BACK-UP ASSY (Scott Safety 096-2830) .....	250.36	12.35
46 82 83 00-0968 EA CALIBRATION KIT, 5 PPM ETO (Scott Safety 096-2858) .....	1,230.36	60.68
46 82 83 00-0969 EA CALIBRATION KIT, 10 PPM ETO (Scott Safety 096-2859) .....	1,230.36	60.68
46 82 83 00-0970 EA 4600 SENSOR HOUSING TEST UNIT (Scott Safety 096-2898) .....	166.36	8.21
46 82 83 00-0971 EA 4615 ETO SENSOR ASSY.,0-10 PPM (Scott Safety 096-2905-0010) .....	688.48	33.96



**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0972 EA 6V DETECTOR BODY ASSEMBLY (Scott Safety 096-2931).....	548.47	27.05
46 82 83 00-0973 EA 6V DIFFUSION DETECTOR ASSEMBLY (Scott Safety 096-2932).....	1,111.76	54.83
46 82 83 00-0974 EA 6V SAMPLE DRAW ASSEMBLY (Scott Safety 096-2932-2).....	1,680.01	82.86
46 82 83 00-0975 EA POREX FILTER MEMBRANE REPL KIT (Scott Safety 096-2947).....	105.41	5.19
46 82 83 00-0976 EA Q-NET TO NICII CONVERT,4-20MA (Scott Safety 096-3005-1).....	2,536.48	125.10
46 82 83 00-0977 EA Q-NET TO NICII CONVERT,4-20MA (Scott Safety 096-3005-2).....	2,701.18	133.22
46 82 83 00-0978 EA REPLACEMENT KIT, VITON O-RING (Scott Safety 096-3021).....	31.29	1.55
46 82 83 00-0979 EA LOW COST CAL KIT, 50 PPM CO (Scott Safety 096-3040).....	308.00	15.19
46 82 83 00-0980 EA LOW COST CAL KIT, 18.5% O2 (Scott Safety 096-3041).....	525.41	25.91
46 82 83 00-0981 EA LOW COST CAL KIT, 25 PPM H2S (Scott Safety 096-3042).....	543.54	26.81
46 82 83 00-0982 EA LOW COST CAL KIT, 1 PPM PH3 (Scott Safety 096-3043).....	904.23	44.60
46 82 83 00-0983 EA LOW COST CAL KIT, 5 PPM CL2 (Scott Safety 096-3047).....	904.23	44.60
46 82 83 00-0984 EA LOW COST CAL KIT, 25 PPM NH3 (Scott Safety 096-3048).....	904.23	44.60
46 82 83 00-0985 EA 4888 NIC II 6V POISON RESIS (Scott Safety 096-3153).....	2,750.58	135.66
46 82 83 00-0986 EA ALARM SYS FINAL ASSY (Scott Safety 096-3179).....	2,108.23	103.98
46 82 83 00-0987 EA DRAW PANEL ASPIRATOR SS TUBING (Scott Safety 096-3194-1).....	14,032.96	692.10
46 82 83 00-0988 EA DRAW PANEL ASPIRATOR CU TUBING (Scott Safety 096-3195-1).....	13,374.13	659.60
46 82 83 00-0989 EA 4600IR/4679CO2 VERS. P/S BOARD (Scott Safety 096-3196).....	955.30	47.12
46 82 83 00-0990 EA 4600MB COND. HUMID. SNSR ASSY (Scott Safety 096-3197).....	489.18	24.13
46 82 83 00-0991 EA STD SENSOR FLOW CELL KIT FLEX (Scott Safety 096-3198-2).....	214.12	10.56
46 82 83 00-0992 EA RS SENSOR FLOW CELL KIT FLEX (Scott Safety 096-3199-2).....	214.12	10.56
46 82 83 00-0993 EA STD SENSOR FLOW CELL KIT RIGID (Scott Safety 096-3200-2).....	51.05	2.52
46 82 83 00-0994 EA RS SENSOR FLOW CELL KIT RIGID (Scott Safety 096-3201-2).....	67.53	3.33
46 82 83 00-0995 EA SINGLE POINT DRAW PANEL W/PUMP (Scott Safety 096-3210).....	5,484.71	270.51
46 82 83 00-0996 EA 7800 REMOTE RELAY PANEL ASSY. (Scott Safety 096-3214-1).....	917.41	45.25
46 82 83 00-0997 EA 7800 REMOTE RELAY PANEL ASSY. (Scott Safety 096-3214-2).....	1,712.94	84.48
46 82 83 00-0998 EA 7800 REMOTE RELAY PANEL ASSY. (Scott Safety 096-3214-3).....	2,322.36	114.53
46 82 83 00-0999 EA 7800 REMOTE RELAY PANEL ASSY. (Scott Safety 096-3214-4).....	3,096.47	152.72
46 82 83 00-1000 EA 7800 REMOTE RELAY PANEL ASSY. (Scott Safety 096-3214-5).....	3,870.60	190.90
46 82 83 00-1001 EA 7800 REMOTE RELAY PANEL ASSY. (Scott Safety 096-3214-6).....	4,644.71	229.08
46 82 83 00-1002 EA NIC II REPLACEMENT KIT (Scott Safety 096-3215).....	1,976.48	97.48
46 82 83 00-1003 EA 4600 MODBUS LCD & CPU KIT (Scott Safety 096-3216).....	1,194.12	58.89
46 82 83 00-1004 EA DUAL PT FLW PL-COPPER,LESS XMT (Scott Safety 096-3217).....	10,837.65	534.52
46 82 83 00-1005 EA SNGLE PT SAMPLE DRAW CAB. S.S. (Scott Safety 096-3219-2).....	22,152.97	1,092.58
46 82 83 00-1006 EA GREY PVC FILTER CAGE ASSY (Scott Safety 096-3221).....	92.24	4.55
46 82 83 00-1007 EA 100 PPM ISOBUTYLENE CAL KIT (Scott Safety 096-3235).....	1,022.83	50.44
46 82 83 00-1008 EA 20 PPM ISOBUTYLENE CAL KIT (Scott Safety 096-3236).....	1,022.83	50.44
46 82 83 00-1009 EA CALIBRATION ADAPTER ASSEMBLY (Scott Safety 096-3242).....	46.11	2.27
46 82 83 00-1010 EA PROTEGE 4 GAS FINAL ASSEMBLY (Scott Safety 096-3264).....	904.23	44.60
46 82 83 00-1011 EA 6000 COMBUSTIBLE HEAD ASSEMBLY (Scott Safety 096-3349).....	271.77	13.40
46 82 83 00-1012 EA CALIBRATION KIT (METHANE) (Scott Safety 096-3350).....	1,039.30	51.25
46 82 83 00-1013 EA FREEDOM 6000 ADAPTER BD ASSY. (Scott Safety 096-3354).....	74.12	3.66
46 82 83 00-1014 EA REMOTE TEST ADAPTER ASSEMBLY (Scott Safety 096-3355).....	263.53	13.00
46 82 83 00-1015 EA DETECTOR GUARD ASSEMBLY (Scott Safety 096-3363).....	136.70	6.74
46 82 83 00-1016 EA REPROGRAMMED ETHANE SENSOR (Scott Safety 096-3368-01).....	887.76	43.78
46 82 83 00-1017 EA REPROGRAMMED PROPYLENE SENSOR (Scott Safety 096-3368-02).....	887.76	43.78
46 82 83 00-1018 EA REPROGRAMMED METHANOL SENSOR (Scott Safety 096-3368-03).....	887.76	43.78
46 82 83 00-1019 EA REPROGRAMMED CYCLOHEXANE SENSO (Scott Safety 096-3368-04).....	887.76	43.78
46 82 83 00-1020 EA REPROGRAMMED ACETONE SENSOR (Scott Safety 096-3368-05).....	887.76	43.78
46 82 83 00-1021 EA REPROGRAMMED ETHYLENE SENSOR (Scott Safety 096-3368-06).....	887.76	43.78
46 82 83 00-1022 EA SENSOR BREAKOUT CAT/IR PCBA (Scott Safety 096-3369).....	80.70	3.98
46 82 83 00-1023 EA 4500 O2 SENSOR ASSEMBLY (Scott Safety 096-3374).....	754.36	37.20
46 82 83 00-1024 EA ASSEMBLY, DETECTOR BODY (ATEX) (Scott Safety 096-3376).....	581.41	28.68
46 82 83 00-1025 EA F6K REMOTE SENSOR HOUSING ASSY (Scott Safety 096-3391).....	372.24	18.36
46 82 83 00-1026 EA NEXT GEN POWER SUPPLY PCBA (Scott Safety 096-3401).....	362.36	17.87
46 82 83 00-1027 EA Terminal / Relay PCBA (Scott Safety 096-3404).....	230.59	11.37
46 82 83 00-1028 EA 2 WIRE POWER SUPPLY BOARD ASSY (Scott Safety 096-3407).....	189.41	9.34
46 82 83 00-1029 EA HART Expansion Board Assembly (Scott Safety 096-3408).....	329.41	16.25
46 82 83 00-1030 EA ASSEMBLY,DETECTOR BODY,NEX-GEN (Scott Safety 096-3436-1).....	494.12	24.37
46 82 83 00-1031 EA ASSEMBLY,DETECTOR BODY,NEX-GEN (Scott Safety 096-3436-2).....	494.12	24.37
46 82 83 00-1032 EA ASSEMBLY, CAP, DETECTOR HEAD (Scott Safety 096-3437-1).....	32.94	1.63
46 82 83 00-1033 EA ASSEMBLY, CAP, DETECTOR HEAD (Scott Safety 096-3437-2).....	164.71	8.13
46 82 83 00-1034 EA ASSY,ADAPTER,CALIBRATION,NEX-G (Scott Safety 096-3438).....	82.36	4.06
46 82 83 00-1035 EA ASSY,ADAPTER, FLOW CELL,NEX-GEN (Scott Safety 096-3439).....	90.58	4.47
46 82 83 00-1036 EA ASSY,KIT,DUCT MOUNT ADAPTER (Scott Safety 096-3440).....	169.64	8.37
46 82 83 00-1037 EA ASSEMBLY, DELUGE GUARD (Scott Safety 096-3441).....	123.52	6.10
46 82 83 00-1038 EA DISPLAY ASSEMBLY NEXT GEN (Scott Safety 096-3447-01).....	452.94	22.34
46 82 83 00-1039 EA DISPLAY ASSEMBLY NEXT GEN (Scott Safety 096-3447-02).....	741.18	36.55
46 82 83 00-1040 EA BLIND DISPLAY ASSY MERIDIAN (Scott Safety 096-3447-03).....	452.94	22.34
46 82 83 00-1041 EA IS BARRIER PUCK (Scott Safety 096-3448).....	197.65	9.75
46 82 83 00-1042 EA 2 WIRE IS BARRIER ASSEMBLY (Scott Safety 096-3449).....	164.71	8.13
46 82 83 00-1043 EA DISPLAY CABLE ASSEMBLY (Scott Safety 096-3456).....	24.70	1.23
46 82 83 00-1044 EA DETECTOR GUARD SEAL KIT (Scott Safety 096-3457).....	112.00	5.52
46 82 83 00-1045 EA ASSEMBLY, FLOW CELL, DETECTOR (Scott Safety 096-3464).....	352.46	17.39
46 82 83 00-1046 EA SENSOR, ASSEMBLY, NG CO (Scott Safety 096-3473-01).....	658.83	32.49
46 82 83 00-1047 EA SENSOR, ASSEMBLY, H2S-LM (Scott Safety 096-3473-02).....	494.12	24.37
46 82 83 00-1048 EA SENSOR, ASSEMBLY, NH3 (Scott Safety 096-3473-03).....	658.83	32.49
46 82 83 00-1049 EA SENSOR, ASSEMBLY, SO2 HRH (Scott Safety 096-3473-05).....	594.59	29.33
46 82 83 00-1050 EA SENSOR, ASSEMBLY, SIH4 (Scott Safety 096-3473-09).....	988.24	48.74
46 82 83 00-1051 EA SENSOR, ASSEMBLY, HCN (Scott Safety 096-3473-11).....	617.64	30.46
46 82 83 00-1052 EA SENSOR, ASSEMBLY, NG O2 (Scott Safety 096-3473-19).....	494.12	24.37



<b>Water And Wastewater Equipment</b>	<b>46</b>
<b>Water Treatment Equipment</b>	<b>46 80</b>
<b>General Water Treatment Equipment</b>	<b>46 82</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1053 EA SENSOR, ASSEMBLY, CL2 RS HRH (Scott Safety 096-3473-20).....	658.83	32.49
46 82 83 00-1054 EA SENSOR, ASSEMBLY, CL2 RS LRH (Scott Safety 096-3473-21).....	658.83	32.49
46 82 83 00-1055 EA SENSOR, ASSEMBLY, F2 RS HRH (Scott Safety 096-3473-22).....	658.83	32.49
46 82 83 00-1056 EA SENSOR, ASSEMBLY, F2 RS LRH (Scott Safety 096-3473-23).....	658.83	32.49
46 82 83 00-1057 EA SENSOR, ASSEMBLY, BR2 RS HRH (Scott Safety 096-3473-24).....	658.83	32.49
46 82 83 00-1058 EA SENSOR, ASSEMBLY, HCL RS HRH (Scott Safety 096-3473-25).....	658.83	32.49
46 82 83 00-1059 EA SENSOR, ASSEMBLY, HCL RS LRH (Scott Safety 096-3473-26).....	658.83	32.49
46 82 83 00-1060 EA SENSOR, ASSEMBLY, HF RS HRH (Scott Safety 096-3473-27).....	658.83	32.49
46 82 83 00-1061 EA SENSOR, ASSEMBLY, HF RS LRH (Scott Safety 096-3473-28).....	658.83	32.49
46 82 83 00-1062 EA SENSOR, ASSEMBLY, SO2 RS HRH (Scott Safety 096-3473-31).....	658.83	32.49
46 82 83 00-1063 EA SENSOR, ASSEMBLY, SO2 RS LRH (Scott Safety 096-3473-32).....	658.83	32.49
46 82 83 00-1064 EA SENSOR, ASSEMBLY, CLO2 RS HRH (Scott Safety 096-3473-37).....	864.70	42.65
46 82 83 00-1065 EA SENSOR, ASSEMBLY, CLO2 RS LRH (Scott Safety 096-3473-38).....	864.70	42.65
46 82 83 00-1066 EA SENSOR, ASSEMBLY, O3 RS HRH (Scott Safety 096-3473-39).....	699.99	34.52
46 82 83 00-1067 EA SENSOR, ASSEMBLY, NO2 (Scott Safety 096-3473-54).....	551.76	27.22
46 82 83 00-1068 EA SENSOR, ASSY, NG COMB CAT BEAD (Scott Safety 096-3473-55).....	441.71	21.79
46 82 83 00-1069 EA SENSOR, ASSEMBLY, NG COMB IR (Scott Safety 096-3473-56).....	831.02	40.98
46 82 83 00-1070 EA SENSOR, ASSEMBLY, NG CO2 IR (Scott Safety 096-3473-58).....	816.04	40.25
46 82 83 00-1071 EA JUNCTION BOX ASSEMBLY NEXT GEN (Scott Safety 096-3475).....	255.29	12.60
46 82 83 00-1072 EA JCT BOX ASSY MERIDIAN INMETRO (Scott Safety 096-3475-01).....	255.29	12.60
46 82 83 00-1073 EA AL, 3/4 WIRE, 4-20/MOD, STD, 1 SEN (Scott Safety 096-3480-01).....	1,729.41	85.29
46 82 83 00-1074 EA SS, 3/4 WIRE, 4-20/MOD, STD 1 SEN (Scott Safety 096-3480-02).....	2,124.71	104.79
46 82 83 00-1075 EA AL, 3-4 Wire, Heated, Plastic Ca (Scott Safety 096-3480-03).....	1,976.48	97.48
46 82 83 00-1076 EA SS, 3/4 WIRE, 4-20/MOD, HEAT, 1SEN (Scott Safety 096-3480-04).....	2,305.88	113.73
46 82 83 00-1077 EA AL, 3-4 Wire, Standard, SS End Ca (Scott Safety 096-3480-05).....	1,828.24	90.17
46 82 83 00-1078 EA SS, 3-4 Wire, Standard, SS End Ca (Scott Safety 096-3480-06).....	2,174.12	107.23
46 82 83 00-1079 EA AL, 3-4 Wire, Heated, SS End Cap (Scott Safety 096-3480-07).....	2,091.78	103.16
46 82 83 00-1080 EA SS, 3/4 WIRE, 4-20/Mod, HART, (Scott Safety 096-3480-08).....	2,421.17	119.41
46 82 83 00-1081 EA ASSEMBLY, CHAIN (Scott Safety 096-3482).....	32.94	1.63
46 82 83 00-1082 EA NPT TO NPT WIRE GLAND ASSEMBLY (Scott Safety 096-3483).....	329.41	16.25
46 82 83 00-1083 EA DET HEAD END CAP ASSY 3/4 WIRE (Scott Safety 096-3484-01).....	527.06	25.99
46 82 83 00-1084 EA DET HEAD END CAP ASSY 2 WIRE (Scott Safety 096-3484-02).....	576.47	28.42
46 82 83 00-1085 EA DET HEAD PLAS END CAP 2 WIRE (Scott Safety 096-3484-03).....	527.06	25.99
46 82 83 00-1086 EA DET HEAD SS END CAP 2 WIRE (Scott Safety 096-3484-04).....	594.59	29.33
46 82 83 00-1087 EA DET HEAD PLAS END CAP 3/4 WIRE (Scott Safety 096-3484-05).....	527.06	25.99
46 82 83 00-1088 EA DET HEAD SS END CAP 3/4 WIRE (Scott Safety 096-3484-06).....	523.77	25.83
46 82 83 00-1089 EA AL, 3-4 Wire, Standard, Plasti (Scott Safety 096-3493-01).....	2,964.70	146.22
46 82 83 00-1090 EA SS, 3-4 Wire, Standard, Plasti (Scott Safety 096-3493-02).....	3,392.95	167.34
46 82 83 00-1091 EA AL, 3-4 Wire, Heated, Plastic (Scott Safety 096-3493-03).....	3,211.76	158.41
46 82 83 00-1092 EA SS, 3-4 Wire, Heated, Plastic (Scott Safety 096-3493-04).....	3,640.01	179.53
46 82 83 00-1093 EA AL, 3-4 Wire, Standard, SS End (Scott Safety 096-3493-05).....	3,063.54	151.09
46 82 83 00-1094 EA SS, 3-4 Wire, Standard, SS End (Scott Safety 096-3493-06).....	3,491.76	172.22
46 82 83 00-1095 EA AL, 3-4 Wire, Heated, SS End C (Scott Safety 096-3493-07).....	3,310.59	163.28
46 82 83 00-1096 EA SS, 3-4 Wire, Heated, SS End C (Scott Safety 096-3493-08).....	3,755.30	185.21
46 82 83 00-1097 EA AL, 3-4 Wire, Standard, Plasti (Scott Safety 096-3493-09).....	4,117.65	203.08
46 82 83 00-1098 EA SS, 3-4 Wire, Standard, Plasti (Scott Safety 096-3493-10).....	4,447.07	219.32
46 82 83 00-1099 EA AL, 3-4 Wire, Heated, Plastic (Scott Safety 096-3493-11).....	4,364.71	215.26
46 82 83 00-1100 EA SS, 3-4 Wire, Heated, Plastic (Scott Safety 096-3493-12).....	4,694.12	231.52
46 82 83 00-1101 EA AL, 3-4 Wire, Standard, SS End (Scott Safety 096-3493-13).....	4,265.89	210.39
46 82 83 00-1102 EA SS, 3-4 Wire, Standard, SS End (Scott Safety 096-3493-14).....	4,595.30	226.63
46 82 83 00-1103 EA AL, 3-4 Wire, Heated, SS End C (Scott Safety 096-3493-15).....	4,512.94	222.58
46 82 83 00-1104 EA SS, 3-4 Wire, Heated, SS End C (Scott Safety 096-3493-16).....	4,842.36	238.82
46 82 83 00-1105 EA MERIDIAN CONNECTOR/JUMPER KIT (Scott Safety 096-3495).....	90.58	4.47
46 82 83 00-1106 EA MERIDIAN SCREW REPLACEMENT KIT (Scott Safety 096-3496).....	9.05	0.45
46 82 83 00-1107 EA MERIDIAN STANDOFF REPLACE KIT (Scott Safety 096-3497).....	41.17	2.03
46 82 83 00-1108 EA MERIDIAN O-RING REPLACE KIT (Scott Safety 096-3498).....	19.77	0.97
46 82 83 00-1109 EA CALIBRATION KIT, STANDARD (Scott Safety 096-3500).....	518.82	25.59
46 82 83 00-1110 EA CALIBRATION KIT, REACTIVE GAS (Scott Safety 096-3501).....	518.82	25.59
46 82 83 00-1111 EA CALIBRATION KIT, HIGH FLOW (Scott Safety 096-3502).....	518.82	25.59
46 82 83 00-1112 EA SS JUNCTION BOX ASSEMBLY (Scott Safety 096-3520).....	594.59	29.33
46 82 83 00-1113 EA SS JUNCTION BOX ASSEMBLY INM (Scott Safety 096-3520-01).....	594.59	29.33
46 82 83 00-1114 EA SALES DISPLAY KIT (USA) (Scott Safety 096-3523-01).....	8,235.31	406.16
46 82 83 00-1115 EA SALES DISPLAY KIT (CANADA) (Scott Safety 096-3523-02).....	8,235.31	406.16
46 82 83 00-1116 EA AL, 2 Wire, Standard, Plastic Cap (Scott Safety 096-3533-01).....	1,482.36	73.11
46 82 83 00-1117 EA SS, 2 Wire, Standard, Plastic Cap (Scott Safety 096-3533-02).....	1,861.18	91.79
46 82 83 00-1118 EA AL, 2 Wire, Standard, SS End Cap (Scott Safety 096-3533-03).....	1,660.53	81.90
46 82 83 00-1119 EA SS, 2 Wire, Standard, SS End Cap (Scott Safety 096-3533-04).....	2,028.88	100.06
46 82 83 00-1120 EA AL, 2 Wire, Standard, Plastic Cap (Scott Safety 096-3533-05).....	1,482.36	73.11
46 82 83 00-1121 EA SS, 2 Wire, Standard, Plastic Cap (Scott Safety 096-3533-06).....	1,861.18	91.79
46 82 83 00-1122 EA AL, 2 Wire, Standard, SS End Cap (Scott Safety 096-3533-07).....	1,577.88	77.82
46 82 83 00-1123 EA SS, 2 Wire, Standard, SS End Cap (Scott Safety 096-3533-08).....	1,960.01	96.66
46 82 83 00-1124 EA AL, 3-4 Wire, Standard, HART, (Scott Safety 096-3534-01).....	2,058.82	101.54
46 82 83 00-1125 EA AL, 3-4 Wire, Standard, HART, (Scott Safety 096-3534-02).....	2,108.23	103.98
46 82 83 00-1126 EA SS, 3-4 Wire, Standard, HART, (Scott Safety 096-3534-03).....	2,388.23	117.79
46 82 83 00-1127 EA SS, 3-4 Wire, Standard, HART, (Scott Safety 096-3534-04).....	2,503.52	123.47
46 82 83 00-1128 EA AL, 3-4 Wire, Blind, HART, Pla (Scott Safety 096-3534-05).....	1,894.12	93.42
46 82 83 00-1129 EA AL, 3-4 Wire, Blind, HART, SS (Scott Safety 096-3534-06).....	2,009.42	99.11
46 82 83 00-1130 EA SS, 3-4 Wire, Blind, HART, Pla (Scott Safety 096-3534-07).....	2,223.52	109.66
46 82 83 00-1131 EA SS, 3-4 Wire, Blind, HART, SS (Scott Safety 096-3534-08).....	2,338.82	115.36
46 82 83 00-1132 EA AL, 3-4 Wire, Heated, HART, PI (Scott Safety 096-3534-09).....	2,305.88	113.73
46 82 83 00-1133 EA AL, 3-4 Wire, Heated, HART, SS (Scott Safety 096-3534-10).....	2,355.29	116.16

## 46 Water And Wastewater Equipment

## 46 80 Water Treatment Equipment

## 46 82 General Water Treatment Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1134 EA SS, 3-4 Wire, Heated, HART, PI (Scott Safety 096-3534-11).....	2,635.29	129.97
46 82 83 00-1135 EA SS, 3-4 Wire, Heated, HART, SS (Scott Safety 096-3534-12).....	2,684.70	132.41
46 82 83 00-1136 EA AL, 3-4 Wire, Blind, HART, Pla (Scott Safety 096-3534-13).....	1,894.12	93.42
46 82 83 00-1137 EA AL, 3-4 Wire, Blind, HART, SS (Scott Safety 096-3534-14).....	1,943.53	95.86
46 82 83 00-1138 EA SS, 3-4 Wire, Blind, HART, Pla (Scott Safety 096-3534-15).....	2,223.52	109.66
46 82 83 00-1139 EA SS, 3-4 Wire, Blind, HART, SS (Scott Safety 096-3534-16).....	2,338.82	115.36
46 82 83 00-1140 EA AL, 3-4 Wire, Standard, HART, (Scott Safety 096-3535-01).....	3,294.12	162.46
46 82 83 00-1141 EA SS, 3-4 Wire, Standard, HART, (Scott Safety 096-3535-02).....	3,623.53	178.71
46 82 83 00-1142 EA AL, 3-4 Wire, Heated, HART, PI (Scott Safety 096-3535-03).....	3,541.18	174.65
46 82 83 00-1143 EA SS, 3-4 Wire, Heated, HART, PI (Scott Safety 096-3535-04).....	3,870.60	190.90
46 82 83 00-1144 EA AL, 3-4 Wire, Standard, HART, (Scott Safety 096-3535-05).....	3,392.95	167.34
46 82 83 00-1145 EA SS, 3-4 Wire, Standard, HART, (Scott Safety 096-3535-06).....	3,837.65	189.27
46 82 83 00-1146 EA AL, 3-4 Wire, Heated, HART, SS (Scott Safety 096-3535-07).....	3,640.01	179.53
46 82 83 00-1147 EA SS, 3-4 Wire, Heated, HART, SS (Scott Safety 096-3535-08).....	4,084.71	201.46
46 82 83 00-1148 EA AL, 3-4 Wire, Standard, HART, (Scott Safety 096-3535-09).....	4,447.07	219.32
46 82 83 00-1149 EA SS, 3-4 Wire, Standard, HART, (Scott Safety 096-3535-10).....	4,776.48	235.57
46 82 83 00-1150 EA AL, 3-4 Wire, Heated, HART, PI (Scott Safety 096-3535-11).....	4,694.12	231.52
46 82 83 00-1151 EA SS, 3-4 Wire, Heated, HART, PI (Scott Safety 096-3535-12).....	5,023.53	247.76
46 82 83 00-1152 EA AL, 3-4 Wire, Standard, HART, (Scott Safety 096-3535-13).....	4,595.30	226.63
46 82 83 00-1153 EA SS, 3-4 Wire, Standard, HART, (Scott Safety 096-3535-14).....	4,924.71	242.89
46 82 83 00-1154 EA AL, 3-4 Wire, Heated, HART, SS (Scott Safety 096-3535-15).....	4,842.36	238.82
46 82 83 00-1155 EA SS, 3-4 Wire, Heated, HART, SS (Scott Safety 096-3535-16).....	5,171.77	255.07
46 82 83 00-1156 EA GUARD, DETECTOR, 5.5V, F6000 (Scott Safety 096-3536).....	136.70	6.74
46 82 83 00-1157 EA A-FRAME SALES DISPLAY ONLY (Scott Safety 096-3541-00).....	411.77	20.31
46 82 83 00-1158 EA A-FRAME SALES DISPLAY ASSY USA (Scott Safety 096-3541-01).....	2,207.06	108.86
46 82 83 00-1159 EA A-FRAME SALES DISPLAY ASSY CAN (Scott Safety 096-3541-02).....	2,289.41	112.92
46 82 83 00-1160 EA IS TERMINAL BLOCK KIT (Scott Safety 096-3550).....	24.70	1.23
46 82 83 00-1161 EA AL,2 Wire,Standard,Plastic Cap (Scott Safety 096-3557-01).....	1,482.36	73.11
46 82 83 00-1162 EA SS,2 Wire,Standard,Plastic Cap (Scott Safety 096-3557-02).....	1,861.18	91.79
46 82 83 00-1163 EA AL,2 Wire,Standard,SS End Cap (Scott Safety 096-3557-03).....	1,577.88	77.82
46 82 83 00-1164 EA SS,2 Wire,Standard,SS End Cap (Scott Safety 096-3557-04).....	1,910.60	94.23
46 82 83 00-1165 EA AL,2 Wire,Standard,Plastic Cap (Scott Safety 096-3557-05).....	1,482.36	73.11
46 82 83 00-1166 EA SS,2 Wire,Standard,Plastic Cap (Scott Safety 096-3557-06).....	1,861.18	91.79
46 82 83 00-1167 EA AL,2 Wire,Standard,SS End Cap (Scott Safety 096-3557-07).....	1,577.88	77.82
46 82 83 00-1168 EA SS,2 Wire,Standard,SS End Cap (Scott Safety 096-3557-08).....	1,943.53	95.86
46 82 83 00-1169 EA AL, 3-4 Wire, Standard,Plastic (Scott Safety 096-3558-01).....	1,729.41	85.29
46 82 83 00-1170 EA SS, 3-4 Wire, Standard,Plastic (Scott Safety 096-3558-02).....	2,124.71	104.79
46 82 83 00-1171 EA AL, 3-4 Wire, Heated, Plastic (Scott Safety 096-3558-03).....	1,976.48	97.48
46 82 83 00-1172 EA SS, 3-4 Wire, Heated, Plastic (Scott Safety 096-3558-04).....	2,305.88	113.73
46 82 83 00-1173 EA AL, 3-4 Wire, Standard, SS EC (Scott Safety 096-3558-05).....	1,828.24	90.17
46 82 83 00-1174 EA SS, 3-4 Wire, Standard, SS EC (Scott Safety 096-3558-06).....	2,174.12	107.23
46 82 83 00-1175 EA AL, 3-4 Wire, Heated, SS EC (Scott Safety 096-3558-07).....	2,091.78	103.16
46 82 83 00-1176 EA SS, 3-4 Wire, Heated, SS EC (Scott Safety 096-3558-08).....	2,421.17	119.41
46 82 83 00-1177 EA AL, 3-4 Wire, Standard, HART, (Scott Safety 096-3558-09).....	2,058.82	101.54
46 82 83 00-1178 EA SS, 3-4 Wire, Standard, HART, (Scott Safety 096-3558-10).....	2,388.23	117.79
46 82 83 00-1179 EA AL, 3-4 Wire, Heated, HART, PI (Scott Safety 096-3558-11).....	2,305.88	113.73
46 82 83 00-1180 EA SS, 3-4 Wire, Heated, HART, PI (Scott Safety 096-3558-12).....	2,635.29	129.97
46 82 83 00-1181 EA AL, 3-4 Wire, Standard, HART, (Scott Safety 096-3558-13).....	2,108.23	103.98
46 82 83 00-1182 EA SS, 3-4 Wire, Standard, HART, (Scott Safety 096-3558-14).....	2,503.52	123.47
46 82 83 00-1183 EA AL, 3-4 Wire, Heated, HART, SS (Scott Safety 096-3558-15).....	2,355.29	116.16
46 82 83 00-1184 EA SS, 3-4 Wire, Heated, HART, SS (Scott Safety 096-3558-16).....	2,767.06	136.47
46 82 83 00-1185 EA REMOTE JUNCTION BOX ASSY AL (Scott Safety 096-3559-01).....	189.41	9.34
46 82 83 00-1186 EA REMOTE JUNCTION BOX ASSY SS (Scott Safety 096-3559-02).....	576.47	28.42
46 82 83 00-1187 EA INMETRO 2 WIRE AL INTEGRAL (Scott Safety 096-3563-01).....	1,526.82	75.30
46 82 83 00-1188 EA INMETRO 2 WIRE SS INTEGRAL (Scott Safety 096-3563-02).....	1,861.18	91.79
46 82 83 00-1189 EA INMETRO 3/4 WIRE AL INTEGRAL (Scott Safety 096-3564-01).....	1,778.83	87.73
46 82 83 00-1190 EA INMETRO 3/4 WIRE SS INTEGRAL (Scott Safety 096-3564-02).....	2,124.71	104.79
46 82 83 00-1191 EA INM 3/4 WIRE BLIND AL INTEGRAL (Scott Safety 096-3564-03).....	1,627.29	80.25
46 82 83 00-1192 EA INM 3/4 WIRE BLIND SS INTEGRAL (Scott Safety 096-3564-04).....	1,976.48	97.48
46 82 83 00-1193 EA INMETRO 2 WIRE AL REMOTE HEAD (Scott Safety 096-3565-01).....	1,526.82	75.30
46 82 83 00-1194 EA INMETRO 2 WIRE SS REMOTE HEAD (Scott Safety 096-3565-02).....	1,861.18	91.79
46 82 83 00-1195 EA INMETRO 3-4 WIRE AL REMOTE (Scott Safety 096-3566-01).....	1,729.41	85.29
46 82 83 00-1196 EA INMETRO 3-4 WIRE SS REMOTE (Scott Safety 096-3566-02).....	2,124.71	104.79
46 82 83 00-1197 EA INM 3-4 WIRE BLIND AL REMOTE (Scott Safety 096-3566-03).....	1,894.12	93.42
46 82 83 00-1198 EA INM 3-4 WIRE BLIND SS REMOTE (Scott Safety 096-3566-04).....	2,223.52	109.66
46 82 83 00-1199 EA 2 HEAD,AL ENCLOSURE, STANDARD (Scott Safety 096-3568-01).....	2,964.70	146.22
46 82 83 00-1200 EA 2 HEAD,SS ENCLOSURE, STANDARD (Scott Safety 096-3568-02).....	3,392.95	167.34
46 82 83 00-1201 EA 3 HEAD,AL ENCLOSURE, STANDARD (Scott Safety 096-3569-01).....	4,117.65	203.08
46 82 83 00-1202 EA 3 HEAD,SS ENCLOSURE, STANDARD (Scott Safety 096-3569-02).....	4,447.07	219.32
46 82 83 00-1203 EA MERIDIAN HART CEC KIT (Scott Safety 096-3579-01).....	329.41	16.25
46 82 83 00-1204 EA 7400 SOFTWARE CODE (2 CHANNEL) (Scott Safety 099-0008-2).....	474.36	23.39
46 82 83 00-1205 EA 7400 SOFTWARE CODE (3 CHANNEL) (Scott Safety 099-0008-3).....	474.36	23.39
46 82 83 00-1206 EA 7400 SOFTWARE CODE (4 CHANNEL) (Scott Safety 099-0008-4).....	474.36	23.39
46 82 83 00-1207 EA 3-POINT FLOW PANEL FINAL ASSY. (Scott Safety 099-2001).....	8,976.48	442.71
46 82 83 00-1208 EA SWIVEL BALL JOINT MTG-ENGLISH (Scott Safety 2020-003).....	298.12	14.70
46 82 83 00-1209 EA EXT. RANGE SIMULATOR LENS (Scott Safety 2020-190).....	1,197.41	59.06
46 82 83 00-1210 EA IR SIMULATOR (Scott Safety 2020-310).....	8,261.66	407.47
46 82 83 00-1211 EA UV & UV/IR SIMULATOR (Scott Safety 2020-311).....	7,746.12	382.04
46 82 83 00-1212 EA SINGLE IR FIRE SIMULATOR (Scott Safety 2020-312).....	7,505.65	370.17
46 82 83 00-1213 EA MULTI IR FIRE SIMULATOR (Scott Safety 2020-313).....	8,334.12	411.03
46 82 83 00-1214 EA IR3 AIR SHIELD/PURGE (Scott Safety 2020-920).....	495.77	24.45



<b>Water And Wastewater Equipment</b>	<b>46</b>
<b>Water Treatment Equipment</b>	<b>46 80</b>
<b>General Water Treatment Equipment</b>	<b>46 82</b>

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1215	EA			UV & UV/IR AIR SHIELD/PURGE (Scott Safety 2020-930) .....	495.77	24.45
46 82 83 00-1216	EA			SOC SET SCREW,CUP PT,6X3/16,SS (Scott Safety 33351-017).....	10.87	0.53
46 82 83 00-1217	EA			ZINC ELECTRODE,K (Scott Safety 3480-6200) .....	47.76	2.35
46 82 83 00-1218	EA			2.5%NATURAL GAS CYLINDER(HM) (Scott Safety 40000035).....	82.36	4.06
46 82 83 00-1219	EA			FLOW BLOCK FOR 40013029 (Scott Safety 40009022) .....	357.41	17.63
46 82 83 00-1220	EA			REGULATOR,AIR PRESSURE (Scott Safety 40001723) .....	695.06	34.28
46 82 83 00-1221	EA			AIR ASPIRATOR ASSEMBLY (S.S.) (Scott Safety 40002139).....	548.47	27.05
46 82 83 00-1222	EA			NOZZLE, AIR ASPIRATOR, S.S. (Scott Safety 40002727).....	87.29	4.31
46 82 83 00-1223	EA			BODY, AIR ASPIRATOR, S.S. (Scott Safety 40002728).....	263.53	13.00
46 82 83 00-1224	EA			SPACER, STAINLESS STEEL (Scott Safety 40002729) .....	102.12	5.03
46 82 83 00-1225	EA			FLOW BLOCK, STAINLESS STEEL (Scott Safety 40006681).....	523.77	25.83
46 82 83 00-1226	EA			MTG PLATE ASSM (Scott Safety 40007994).....	181.18	8.93
46 82 83 00-1227	EA			MTG PLATE ASSM (Scott Safety 40007994-1).....	186.12	9.18
46 82 83 00-1228	EA			TERMINAL STRIP, 4 POINT (Scott Safety 40008190).....	36.25	1.79
46 82 83 00-1229	EA			GUARD, FILAMENT-DETECTOR (Scott Safety 40009041).....	197.65	9.75
46 82 83 00-1230	EA			FLAME ARRESTOR (Scott Safety 40009042).....	3.63	0.18
46 82 83 00-1231	EA			DETECTOR BODY ASSY (Scott Safety 40009065).....	225.65	11.13
46 82 83 00-1232	EA			OUTER GUARD ASSY (Scott Safety 40009066) .....	179.53	8.85
46 82 83 00-1233	EA			L FLOW SWITCH (Scott Safety 40009259).....	1,409.89	69.54
46 82 83 00-1234	EA			AIR ASPIRATOR (Scott Safety 40009261).....	545.18	26.89
46 82 83 00-1235	EA			DETECTOR ASSY,POSITIVE FLOW (Scott Safety 40009263) .....	744.47	36.72
46 82 83 00-1236	EA			PACKING PREFORM (Scott Safety 40009264) .....	1.98	0.10
46 82 83 00-1237	EA			SET SCREW,HEX SCKT,S.S.,1/4-20 (Scott Safety 40009478) .....	18.12	0.89
46 82 83 00-1238	EA			FILTER ELEMENT (Scott Safety 40009560).....	79.06	3.90
46 82 83 00-1239	EA			FILTER HOUSING ASSY (Scott Safety 40009566).....	993.18	48.99
46 82 83 00-1240	EA			JUMPER, CLIP (Scott Safety 40009945) .....	3.63	0.18
46 82 83 00-1241	EA			SENSOR REPLACEMENT KIT (Scott Safety 40011528).....	421.64	20.80
46 82 83 00-1242	EA			SENSOR, CONTINUOUS INSTRUMENT (Scott Safety 40011530).....	401.88	19.82
46 82 83 00-1243	EA			DETECTOR ASSY (Scott Safety 40011600).....	747.75	36.88
46 82 83 00-1244	EA			SENSOR REPLACEMENT KIT (Scott Safety 40011606).....	418.35	20.64
46 82 83 00-1245	EA			DETECTOR ASSY (Scott Safety 40011630).....	1,212.23	59.79
46 82 83 00-1246	EA			ASSEMBLY,DETECTOR-LESS SENSORS (Scott Safety 40011928) .....	459.53	22.67
46 82 83 00-1247	EA			SENSOR,REPLACEMENT-MATCHED SET (Scott Safety 40011929) .....	1,306.12	64.41
46 82 83 00-1248	EA			ASSEMBLY,ENCLOSURE/TERMINAL (Scott Safety 40012040).....	360.70	17.79
46 82 83 00-1249	EA			ASSEMBLY,WEATHER SHIELD (Scott Safety 40012041) .....	149.88	7.39
46 82 83 00-1250	EA			SENSOR,REPLACEMENT (Scott Safety 40012111).....	449.64	22.18
46 82 83 00-1251	EA			HOUSING,EXP.PRF.,MODIFIED (Scott Safety 40012473).....	703.30	34.68
46 82 83 00-1252	EA			ASSY, DISTRIBUTION BOARD (Scott Safety 40012474).....	199.30	9.83
46 82 83 00-1253	EA			FILAMENT-ACTIVE (Scott Safety 40012919) .....	247.06	12.18
46 82 83 00-1254	EA			ASSY,LOW FLOW SWITCH (Scott Safety 40013029) .....	844.94	41.67
46 82 83 00-1255	EA			FV282+ TRIPLE IR SS FM APPR. (Scott Safety 516.040.014).....	4,116.00	203.00
46 82 83 00-1256	EA			FV311S FLAME DETECTOR (Scott Safety 516.300.006).....	5,600.00	276.19
46 82 83 00-1257	EA			FV311SCN FLAME DETECTOR NTSC (Scott Safety 516.300.007).....	6,423.53	316.80
46 82 83 00-1258	EA			FV311SC FLAME DETECTOR PAL (Scott Safety 516.300.008).....	6,423.53	316.80
46 82 83 00-1259	EA			FV411F IR FLAME DETECTOR (Scott Safety 516.300.411).....	3,857.42	190.25
46 82 83 00-1260	EA			FV411F IR FLAME DETECTOR PAL (Scott Safety 516.300.412).....	4,200.01	207.14
46 82 83 00-1261	EA			FV411F IR FLAME DETECTOR NTSC (Scott Safety 516.300.413).....	4,200.01	207.14
46 82 83 00-1262	EA			BRACKET ASSEMBLY (Scott Safety 517.001.184).....	164.71	8.13
46 82 83 00-1263	EA			SOLO101 APT. TUBE (Scott Safety 517.001.224).....	108.72	5.36
46 82 83 00-1264	EA			SOLO101 EXT. TUBE 1.3M LONG (Scott Safety 517.001.226).....	144.94	7.14
46 82 83 00-1265	EA			SOLO100 TELESCOPIC EXT. POLE (Scott Safety 517.001.230) .....	543.54	26.81
46 82 83 00-1266	EA			WEATHER/SUN SHIELD (Scott Safety 517.001.263).....	148.23	7.31
46 82 83 00-1267	EA			S200+ SPARES KIT & SEALANT (Scott Safety 517.001.266).....	289.89	14.30
46 82 83 00-1268	EA			FLAME DETECTOR MTG. BRACKET (Scott Safety 517.300.001).....	507.29	25.02
46 82 83 00-1269	EA			FLAME DETECTOR WEATHER HOOD (Scott Safety 517.300.002).....	507.29	25.02
46 82 83 00-1270	EA			WT 300 Walk Test Controller (Scott Safety 517.300.021) .....	1,284.71	63.36
46 82 83 00-1271	EA			CTI300 CONFIG OFFLINE TOOL KIT (Scott Safety 517.300.022).....	2,388.23	117.79
46 82 83 00-1272	EA			CTI400 CONFIG OFFLINE TOOL KIT (Scott Safety 517.300.024).....	2,388.23	117.79
46 82 83 00-1273	EA			CTI400i IS TOOL KIT (Scott Safety 517.300.025) .....	1,647.06	81.24
46 82 83 00-1274	EA			CHARCOAL FILTERS 10/PK (Scott Safety 5500-7400).....	100.47	4.95
46 82 83 00-1275	EA			T110 PP9 BATTERY AND CHARGER (Scott Safety 592.001.010).....	199.30	9.83
46 82 83 00-1276	EA			T210 ADAPTOR S200 (Scott Safety 592.001.014).....	622.58	30.70
46 82 83 00-1277	EA			T210 PLUS TEST SOURCE FOR S200 (Scott Safety 592.001.016) .....	1,525.18	75.22
46 82 83 00-1278	EA			T210+ Adapter for FV400 Series Detector (Scott Safety 592.001.019) .....	622.58	30.70
46 82 83 00-1279	EA			WEATHERSHIELD SPECTREX FLAME (Scott Safety 780-981).....	380.46	18.77
46 82 83 00-1280	EA			MODE SELECTOR (MAGNET) (Scott Safety 790285) .....	133.41	6.58
46 82 83 00-1281	EA			TELESCOPE ALIGNMENT KIT (Scott Safety 794110) .....	627.53	30.95
46 82 83 00-1282	EA			CALIBRATION TEST FILTER (IR) (Scott Safety 794260).....	176.25	8.69
46 82 83 00-1283	EA			TILT MOUNTING ASSY(R/B 796640) (Scott Safety 794635).....	596.24	29.41
46 82 83 00-1284	EA			DUCT MOUNT ADAPTOR (Scott Safety 794716).....	856.47	42.25
46 82 83 00-1285	EA			CALIBRATION CELL (Scott Safety 796170) .....	2,454.12	121.03
46 82 83 00-1286	EA			COMMISSIONING KIT/DUCT MOUNTS (Scott Safety 796247) .....	732.94	36.15
46 82 83 00-1287	EA			TILT MOUNTING ASSEMBLY (Scott Safety 796640).....	596.24	29.41
46 82 83 00-1288	EA			Tilt Mount (Scott Safety 8000447) .....	466.11	22.99
46 82 83 00-1289	EA			Pole Mount (U-Bolt 5 inch) (Scott Safety 8000448) .....	527.06	25.99
46 82 83 00-1290	EA			Commissioning Kit (Scott Safety 8000449).....	1,829.89	90.25
46 82 83 00-1291	EA			RS485 Hand Held Diag Unit (Scott Safety 8000450).....	16,618.84	819.64
46 82 83 00-1292	EA			HART Hand Held Diag Unit (Scott Safety 8000451).....	24,952.96	1,230.67
46 82 83 00-1293	EA			HART Hand Held Harness (Scott Safety 8000452).....	332.70	16.41
46 82 83 00-1294	EA			USB/RS485 Harness Kit (Scott Safety 8000453).....	716.47	35.34
46 82 83 00-1295	EA			Mini Laptop Kit (Scott Safety 8000454) .....	3,310.59	163.28

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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46 82 83 00-1296	EA	SG	Sunshade, Stainless (Scott Safety 8000455).....	340.96	16.81
46 82 83 00-1297	EA	SG	Telescope Kit (Scott Safety 8000456) .....	1,164.47	57.43
46 82 83 00-1298	EA	SG	Chk Filter Warning Methane (Scott Safety 8000457).....	192.71	9.50
46 82 83 00-1299	EA	SG	Chk Filter Alarm Meth (Scott Safety 8000458).....	192.71	9.50
46 82 83 00-1300	EA	SG	Chk Filter Warn Prop (Scott Safety 8000459).....	192.71	9.50
46 82 83 00-1301	EA	SG	Chk Filter Alarm Prop (Scott Safety 8000460).....	192.71	9.50
46 82 83 00-1302	EA	SG	Detector ATEX M25 (Scott Safety 8000461) .....	7,606.12	375.14
46 82 83 00-1303	EA	SG	Detector ATEX 3/4" (Scott Safety 8000462).....	7,606.12	375.14
46 82 83 00-1304	EA	SG	Detector FM M25 (Scott Safety 8000463) .....	7,606.12	375.14
46 82 83 00-1305	EA	SG	Detector FM 3/4" (Scott Safety 8000464) .....	7,606.12	375.14
46 82 83 00-1306	EA	SG	20 Source ATEX M25 (Scott Safety 8000465).....	6,229.19	307.22
46 82 83 00-1307	EA	SG	20 Source ATEX 3/4" (Scott Safety 8000466).....	6,229.19	307.22
46 82 83 00-1308	EA	SG	20 Source FM M25 (Scott Safety 8000467).....	6,229.19	307.22
46 82 83 00-1309	EA	SG	20 Source FM 3/4" (Scott Safety 8000468) .....	6,229.19	307.22
46 82 83 00-1310	EA	SG	40 Source ATEX M25 (Scott Safety 8000469).....	6,229.19	307.22
46 82 83 00-1311	EA	SG	40 Source ATEX 3/4" (Scott Safety 8000470).....	6,229.19	307.22
46 82 83 00-1312	EA	SG	40 Source FM M25 (Scott Safety 8000471).....	6,229.19	307.22
46 82 83 00-1313	EA	SG	40 Source FM 3/4" (Scott Safety 8000472) .....	6,229.19	307.22
46 82 83 00-1314	EA	SG	100 Source ATEX M25 (Scott Safety 8000473).....	6,229.19	307.22
46 82 83 00-1315	EA	SG	100 Source ATEX 3/4" (Scott Safety 8000474).....	6,229.19	307.22
46 82 83 00-1316	EA	SG	100 Source FM M25 (Scott Safety 8000475).....	6,229.19	307.22
46 82 83 00-1317	EA	SG	100 Source FM 3/4" (Scott Safety 8000476) .....	6,229.19	307.22
46 82 83 00-1318	EA	SG	200 Source ATEX M25 (Scott Safety 8000477).....	7,696.70	379.61
46 82 83 00-1319	EA	SG	200 Source ATEX 3/4" (Scott Safety 8000478).....	7,696.70	379.61
46 82 83 00-1320	EA	SG	200 Source FM M25 (Scott Safety 8000479).....	7,696.70	379.61
46 82 83 00-1321	EA	SG	200 Source FM 3/4" (Scott Safety 8000480).....	7,696.70	379.61
46 82 83 00-1322	EA	SG	20 System ATEX M25 (Scott Safety 8000481).....	14,673.66	723.71
46 82 83 00-1323	EA	SG	20 System ATEX 3/4" (Scott Safety 8000482).....	14,673.66	723.71
46 82 83 00-1324	EA	SG	20 System FM M25 (Scott Safety 8000483).....	14,673.66	723.71
46 82 83 00-1325	EA	SG	20 System FM 3/4" (Scott Safety 8000484).....	14,673.66	723.71
46 82 83 00-1326	EA	SG	40 System ATEX M25 (Scott Safety 8000485).....	14,673.66	723.71
46 82 83 00-1327	EA	SG	40 System ATEX 3/4" (Scott Safety 8000486).....	14,673.66	723.71
46 82 83 00-1328	EA	SG	40 System FM M25 (Scott Safety 8000487).....	14,673.66	723.71
46 82 83 00-1329	EA	SG	40 System FM 3/4" (Scott Safety 8000488).....	14,673.66	723.71
46 82 83 00-1330	EA	SG	100 System ATEX M25 (Scott Safety 8000489).....	14,673.66	723.71
46 82 83 00-1331	EA	SG	100 System ATEX 3/4" (Scott Safety 8000490).....	14,673.66	723.71
46 82 83 00-1332	EA	SG	100 System FM M25 (Scott Safety 8000491).....	14,673.66	723.71
46 82 83 00-1333	EA	SG	100 System FM 3/4" (Scott Safety 8000492).....	14,673.66	723.71
46 82 83 00-1334	EA	SG	200 System ATEX M25 (Scott Safety 8000493).....	16,141.19	796.07
46 82 83 00-1335	EA	SG	200 System ATEX 3/4" (Scott Safety 8000494).....	16,141.19	796.07
46 82 83 00-1336	EA	SG	200 System FM M25 (Scott Safety 8000495).....	16,141.19	796.07
46 82 83 00-1337	EA	SG	200 System FM 3/4" (Scott Safety 8000496).....	16,141.19	796.07
46 82 83 00-1338	EA	SG	Magnetic Mode Selector (Scott Safety 8000497).....	133.41	6.58
46 82 83 00-1339	EA		METHANE BEAD (Scott Safety 8000-7200).....	317.88	15.68
46 82 83 00-1340	EA	NA	SPYGLASS SALES DEMO KIT (Scott Safety 8000756).....	19,239.32	948.87
46 82 83 00-1341	EA	SA	SPYGLASS SALES DEMO KIT (Scott Safety 8000757).....	19,239.32	948.87
46 82 83 00-1342	EA	EU	SPYGLASS SALES DEMO KIT (Scott Safety 8000758).....	19,239.32	948.87
46 82 83 00-1343	EA		DETECTOR ELEMENT (CH2)N (Scott Safety 8000-8020).....	531.99	26.24
46 82 83 00-1344	EA		DETECTOR ELEMENT, H2 (Scott Safety 8000-8040).....	531.99	26.24
46 82 83 00-1345	EA		DETECTOR ELEMENT, GEN. PURPOSE (Scott Safety 8000-8050).....	584.70	28.84
46 82 83 00-1346	EA		NIC MAGNET TOOL (Scott Safety 9550-0068).....	16.48	0.81
46 82 83 00-1347	EA		WEATHERPROOF STROBE, 115 VAC (Scott Safety 9550-0073).....	701.64	34.60
46 82 83 00-1348	EA		MAGNET TOOL (130GDAXP) (Scott Safety 9550-0080).....	24.70	1.23
46 82 83 00-1349	EA		ALARM (AHI) P.C.B.A. (Scott Safety 9550-2079).....	986.59	48.66
46 82 83 00-1350	EA		LCD PANEL/CPU ASSY (0-100 ENG) (Scott Safety 9550-2083).....	1,411.53	69.62
46 82 83 00-1351	EA		RS485 MODULE PORT P.C.B.A. (Scott Safety 9550-2084).....	930.59	45.89
46 82 83 00-1352	EA		4-20MA ISOLATED OUTPUT P.C.B.A (Scott Safety 9550-2085).....	930.59	45.89
46 82 83 00-1353	EA		INPUT/OUTPUT PCB ASS'Y,24VDC (Scott Safety 9550-2086).....	747.75	36.88
46 82 83 00-1354	EA		BASIC 24V LEL NIC XTR. (ONLY) (Scott Safety 9550-7194).....	1,528.46	75.38
46 82 83 00-1355	EA		MANUAL, 4888-NIC II LEL (Scott Safety 9550-9142).....	28.21	

**46 82 83 00-1356 Scott 16 Channel Controller Model 7800, Dual Panel Mount Supports 32**

Channels. (46 82 83 00-0522)

Note: MODEL 7800 A - B - C - DD - E - F - G - H



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1357 EA Scott 16 Channel Controller Model 7800 .....	6,735.29	370.52
Note: Includes 0 analog inputs, 0 direct catalytic bead input, 0 analog output. For options use model code order: MODEL 7800 A - B - C - DD - E - F - G - H.		
For Enclosure Option, A - 1; Fiberglass NEMA-4X Wall Mount Enclosure - Maximum 7 Option Boards, Add	538.00	
For Enclosure Option A - 2; Panel Mount - Maximum 2 Option Boards, Add	645.00	
For Enclosure Option A - 3; NEMA-7 Explosion Proof Wall Mount Enclosure (Cast Aluminum) - Maximum 11 Option Boards, Add	4,730.00	
For Enclosure Option A - 4; 19" Rack Mount with Single Sixteen Channel Receiver & Cover Panel - Maximum 4 Option Boards, Add	645.00	
For Enclosure Option A - 2; 19" Rack Mount with Dual Sixteen Channel Receivers Note: Supports 32 pts - Maximum 2 Option Boards, Add	4,085.00	
For Enclosure Option A - 6; Stainless Steel Enclosure (NEMA4) - Maximum 11 Option Boards, Add	1,398.00	
For Input - Analog (4-20mA) Option B - 2; 8 Points (1 board), Add	430.00	
For Input - Analog (4-20mA) Option B - 3; 16 Points (2 boards), Add	860.00	
For Input - Analog (4-20mA) Option B - 4; 24 Points (3 boards), Add	1,290.00	
For Input - Analog (4-20mA) Option B - 5; 32 Points (4 boards), Add	1,720.00	
For Input - Direct Catalytic Bead Option C - 2; 8 Points (1 board), Add	1,054.00	
For Input - Direct Catalytic Bead Option C - 3; 16 Points (2 boards), Add	2,107.00	
For Input - Direct Catalytic Bead Option C - 4; 24 Points (3 boards), Add	3,161.00	
For Input - Direct Catalytic Bead Option C - 5; 32 Points (4 boards), Add	4,214.00	
For Output - Relay Option DD - 08; 8 Relays (1 board), Add	430.00	
For Output - Relay Option DD - 16; 16 Relays (2 boards), Add	860.00	
For Output - Relay Option DD - 24; 24 Relays (3 boards), Add	1,290.00	
For Output - Relay Option DD - 32; 32 Relays (4 boards), Add	1,720.00	
For Output - Relay Option DD - 40; 40 Relays (5 boards), Add	2,150.00	
For Output - Relay Option DD - 48; 48 Relays (6 boards), Add	2,580.00	
For Output - Relay Option DD - 56; 56 Relays (7 boards), Add	3,010.00	
For Output - Relay Option DD - 64; 64 Relays (8 boards), Add	3,440.00	
For Output - Relay Option DD - 72; 72 Relays (9 boards), Add	3,870.00	
For Output - Relay Option DD - 80; 80 Relays (10 boards), Add	4,300.00	
For Output - Relay Option DD - 88; 88 Relays (11 boards), Add	4,730.00	
For Output - Relay Option DD - 96; 96 Relays (12 boards), Add	5,160.00	
For Output Analog Option E - 2; 8 Outputs (1 board), Add	430.00	
For Output Analog Option E - 3; 16 Outputs (2 boards), Add	860.00	
For Output Analog Option E - 4; 24 Outputs (3 boards), Add	1,290.00	
For Output Analog Option E - 5; 32 Outputs (4 boards), Add	1,720.00	
For Auxiliary Blind (Board) Enclosure Option F - 2; Fiberglass NEMA-4X Wall Mount Enclosure, Add	538.00	
For Auxiliary Blind (Board) Enclosure Option F - 3; NEMA-7 Explosion Proof Wall Mount Enclosure, Add	4,730.00	
For Local Annunciator Option G - 2; Piezo Electric Buzzer, Add	215.00	
Note: Only available if option A1, A4, or A5 selected.		
For Local Annunciator Option G - 3; 2 Light (amber/red) with Horn Stack, Add	645.00	
For Special Option H - 2; Z-Purge, Add	1,075.00	
For Special Option H - 3; Z-Purge with pressure switch. Groups C & D., Add	1,720.00	
For Special Option H - 4; Z-Purge with pressure switch. Groups B, C & D., Add	1,935.00	
<b>46 82 83 00-1358 Scott Safety Equipment (46 82 83 00-0522)</b>		
46 82 83 00-1359 EA ALUMINUM ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP (Scott Safety 096-3533-01) .....	1,482.36	73.11
46 82 83 00-1360 EA STAINLESS STEEL ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP (Scott Safety 096-3533-02) .....	1,983.96	97.85
46 82 83 00-1361 EA ALUMINUM ENCLOSURE, STANDARD DISPLAY, STAINLESS STEEL END CAP (Scott Safety 096-3533-03) .....	1,648.55	81.31
46 82 83 00-1362 EA STAINLESS STEEL ENCLOSURE, STANDARD DISPLAY, STAINLESS STEEL END CAP (Scott Safety 096- 3533-04) .....	2,021.39	99.70
46 82 83 00-1363 EA ALUMINUM ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP, CSA (Scott Safety 096-3533-05) .....	1,482.36	73.11
46 82 83 00-1364 EA STAINLESS STEEL ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP, CSA (Scott Safety 096-3533-06) .....	1,976.48	97.48
46 82 83 00-1365 EA ALUMINUM ENCLOSURE, STANDARD DISPLAY, STAINLESS STEEL END CAP, CSA (Scott Safety 096-3533- 07) .....	1,648.55	81.31
46 82 83 00-1366 EA STAINLESS STEEL ENCLOSURE, STANDARD DISPLAY, STAINLESS STEEL END CAP, CSA (Scott Safety 096-3533-08) .....	2,021.39	99.70
46 82 83 00-1367 EA ALUMINUM ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP, INMETRO (Scott Safety 096-3563-01) .....	1,480.86	73.03
46 82 83 00-1368 EA STAINLESS STEEL ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP, INMETRO (Scott Safety 096- 3563-02) .....	1,968.99	97.11
46 82 83 00-1369 EA ALUMINUM ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP (Scott Safety 096-3480-01) .....	1,641.07	80.94
46 82 83 00-1370 EA STAINLESS STEEL ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP (Scott Safety 096-3480-02) .....	1,965.99	96.97
46 82 83 00-1371 EA ALUMINUM ENCLOSURE, HEATED DISPLAY, PLASTIC END CAP, CSA (Scott Safety 096-3480-03) .....	1,965.99	96.97
46 82 83 00-1372 EA STAINLESS STEEL ENCLOSURE, HEATED DISPLAY, PLASTIC END CAP, CSA (Scott Safety 096-3480-04) .....	2,096.26	103.38
46 82 83 00-1373 EA ALUMINUM ENCLOSURE, STANDARD DISPLAY, STAINLESS STEEL END CAP (Scott Safety 096-3480-05) .....	1,864.18	91.94
46 82 83 00-1374 EA STAINLESS STEEL ENCLOSURE, STANDARD DISPLAY, STAINLESS STEEL END CAP (Scott Safety 096- 3480-06) .....	1,976.48	97.48
46 82 83 00-1375 EA ALUMINUM ENCLOSURE, HEATED DISPLAY, STAINLESS STEEL END CAP, CSA (Scott Safety 096-3480-07) .....	1,901.60	93.79
46 82 83 00-1376 EA STAINLESS STEEL ENCLOSURE, HEATED DISPLAY, STAINLESS STEEL END CAP, CSA (Scott Safety 096- 3480-08) .....	2,201.07	108.56
46 82 83 00-1377 EA ALUMINUM ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP, INMETRO (Scott Safety 096-3564-01) .....	1,617.11	79.76
46 82 83 00-1378 EA STAINLESS STEEL ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP, INMETRO (Scott Safety 096- 3564-02) .....	1,931.56	95.27
46 82 83 00-1379 EA ALUMINUM ENCLOSURE, BLIND DISPLAY, PLASTIC END CAP, INMETRO (Scott Safety 096-3564-03) .....	1,482.36	73.11
46 82 83 00-1380 EA STAINLESS STEEL ENCLOSURE, BLIND DISPLAY, PLASTIC END CAP, INMETRO (Scott Safety 096-3564-04) .....	1,796.80	88.62
46 82 83 00-1381 EA ALUMINUM ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP, REMOTE HEAD (Scott Safety 096- 3558-01) .....	1,968.99	77.54
46 82 83 00-1382 EA STAINLESS STEEL ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP, REMOTE HEAD (Scott Safety 096-3558-02) .....	2,419.05	95.27
46 82 83 00-1383 EA ALUMINUM ENCLOSURE, HEATED DISPLAY, PLASTIC END CAP, REMOTE HEAD, CSA (Scott Safety 096- 3558-03) .....	2,250.27	88.62
46 82 83 00-1384 EA STAINLESS STEEL ENCLOSURE, HEATED DISPLAY, PLASTIC END CAP, REMOTE HEAD, CSA (Scott Safety 096-3558-04) .....	2,625.32	103.38

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1385	EA		ALUMINUM ENCLOSURE, STANDARD DISPLAY, STAINLESS STEEL END CAP, REMOTE HEAD (Scott Safety 096-3558-05).....	2,081.50	81.97
46 82 83 00-1386	EA		STAINLESS STEEL ENCLOSURE, STANDARD DISPLAY, STAINLESS STEEL END CAP, REMOTE HEAD (Scott Safety 096-3558-06).....	2,475.31	97.48
46 82 83 00-1387	EA		ALUMINUM ENCLOSURE, HEATED DISPLAY, STAINLESS STEEL END CAP, REMOTE HEAD, CSA (Scott Safety 096-3558-07).....	2,381.53	93.79
46 82 83 00-1388	EA		STAINLESS STEEL ENCLOSURE, HEATED DISPLAY, STAINLESS STEEL END CAP, REMOTE HEAD, CSA (Scott Safety 096-3558-08).....	2,756.58	108.56
46 82 83 00-1389	EA		ALUMINUM ENCLOSURE, HART COMMUNICATIONS, STANDARD DISPLAY, PLASTIC END CAP, remote head (Scott Safety 096-3558-09).....	2,344.03	92.31
46 82 83 00-1390	EA		STAINLESS STEEL ENCLOSURE, HART COMMUNICATIONS, STANDARD DISPLAY, PLASTIC END cap, remote head (Scott Safety 096-3558-10).....	2,719.08	107.08
46 82 83 00-1391	EA		ALUMINUM ENCLOSURE, HART COMMUNICATIONS, HEATED DISPLAY, PLASTIC END CAP, remote head, CSA (Scott Safety 096-3558-11).....	2,625.32	103.38
46 82 83 00-1392	EA		STAINLESS STEEL ENCLOSURE, HART COMMUNICATIONS, HEATED DISPLAY, PLASTIC END CAP, remote head, CSA (Scott Safety 096-3558-12).....	3,000.37	118.16
46 82 83 00-1393	EA		ALUMINUM ENCLOSURE, HART COMMUNICATIONS, STANDARD DISPLAY, STAINLESS STEEL END CAP, REMOTE HEAD (Scott Safety 096-3558-13).....	2,400.29	94.52
46 82 83 00-1394	EA		STAINLESS STEEL ENCLOSURE, HART COMMUNICATIONS, STANDARD DISPLAY, STAINLESS STEEL End cap, Remote head (Scott Safety 096-3558-14).....	2,850.35	112.25
46 82 83 00-1395	EA		ALUMINUM ENCLOSURE, HART COMMUNICATIONS, HEATED DISPLAY, STAINLESS STEEL END CAP, REMOTE HEAD, CSA (Scott Safety 096-3558-15).....	2,681.56	105.60
46 82 83 00-1396	EA		STAINLESS STEEL ENCLOSURE, HART COMMUNICATIONS, HEATED DISPLAY, STAINLESS STEEL END CAP, REMOTE HEAD, CSA (Scott Safety 096-3558-16).....	3,150.38	124.06
46 82 83 00-1397	EA		ALUMINUM ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP, REMOTE HEAD, INMETRO (Scott Safety 096-3566-01).....	1,968.99	77.54
46 82 83 00-1398	EA		STAINLESS STEEL ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP, REMOTE HEAD, INMETRO (Scott Safety 096-3566-02).....	2,419.05	95.27
46 82 83 00-1399	EA		ALUMINUM ENCLOSURE, BLIND DISPLAY, PLASTIC END CAP, REMOTE HEAD, INMETRO (Scott Safety 096-3566-03).....	1,781.46	70.16
46 82 83 00-1400	EA		STAINLESS STEEL ENCLOSURE, BLIND DISPLAY, PLASTIC END CAP, REMOTE HEAD, INMETRO (Scott Safety 096-3566-04).....	2,156.51	84.92
46 82 83 00-1401	EA		MERIDIAN AMMONIA SENSOR- NH3 (Scott Safety 096-3473-03).....	658.83	32.49
46 82 83 00-1402	EA		MERIDIAN BROMINE SENSOR- Br2 ROCK SOLID, HIGH RELATIVE HUMIDITY (Scott Safety 096-3473-24).....	658.83	32.49
46 82 83 00-1403	EA		MERIDIAN CARBON DIOXIDE INFRARED SENSOR- CO2 IR (Sensor not supported by 2-Wire Unit) (Scott Safety 096-3473-58).....	771.12	38.03
46 82 83 00-1404	EA		MERIDIAN CARBON MONOXIDE SENSOR- CO (Scott Safety 096-3473-01).....	666.31	32.86
46 82 83 00-1405	EA		MERIDIAN CHLORINE DIOXIDE SENSOR - ClO2 ROCK SOLID, HIGH RELATIVE HUMIDITY (Scott Safety 096-3473-37).....	786.10	38.77
46 82 83 00-1406	EA		MERIDIAN CHLORINE DIOXIDE SENSOR - ClO2 ROCK SOLID, LOW RELATIVE HUMIDITY (Scott Safety 096-3473-38).....	786.10	38.77
46 82 83 00-1407	EA		MERIDIAN CHLORINE SENSOR- Cl2 ROCK SOLID, HIGH RELATIVE HUMIDITY (Scott Safety 096-3473-20).....	658.83	32.49
46 82 83 00-1408	EA		MERIDIAN CHLORINE SENSOR- Cl2 ROCK SOLID, LOW RELATIVE HUMIDITY (Scott Safety 096-3473-21).....	658.83	32.49
46 82 83 00-1409	EA		MERIDIAN FLUORINE SENSOR- F2 ROCK SOLID, HIGH RELATIVE HUMIDITY (Scott Safety 096-3473-22).....	658.83	32.49
46 82 83 00-1410	EA		MERIDIAN FLUORINE SENSOR- F2 ROCK SOLID, LOW RELATIVE HUMIDITY (Scott Safety 096-3473-23).....	658.83	32.49
46 82 83 00-1411	EA		MERIDIAN HYDROGEN CHLORIDE SENSOR- HCl ROCK SOLID, HIGH RELATIVE HUMIDITY (Scott Safety 096-3473-25).....	658.83	32.49
46 82 83 00-1412	EA		MERIDIAN HYDROGEN CHLORIDE SENSOR- HCl ROCK SOLID, LOW RELATIVE HUMIDITY (Scott Safety 096-3473-26).....	658.83	32.49
46 82 83 00-1413	EA		MERIDIAN HYDROGEN CYANIDE SENSOR - HCN (Scott Safety 096-3473-11).....	561.49	27.69
46 82 83 00-1414	EA		MERIDIAN HYDROGEN SENSOR - H2 (Scott Safety 096-3473-12).....	831.02	40.99
46 82 83 00-1415	EA		MERIDIAN HYDROGEN FLUORIDE SENSOR- HF ROCK SOLID, HIGH RELATIVE HUMIDITY (Scott Safety 096-3473-27).....	658.83	32.49
46 82 83 00-1416	EA		MERIDIAN HYDROGEN FLUORIDE SENSOR- HF ROCK SOLID, LOW RELATIVE HUMIDITY (Scott Safety 096-3473-28).....	658.83	32.49
46 82 83 00-1417	EA		MERIDIAN HYDROGEN SULFIDE SENSOR- H2S (LOW METHANOL) (Scott Safety 096-3473-02).....	494.12	24.37
46 82 83 00-1418	EA		MERIDIAN NITROGEN DIOXIDE SENSOR - NO2 (Scott Safety 096-3473-54).....	501.61	24.74
46 82 83 00-1419	EA		MERIDIAN NITRIC OXIDE SENSOR - NO (Scott Safety 096-3473-14).....	673.79	33.24
46 82 83 00-1420	EA		MERIDIAN OXYGEN SENSOR - O2 (Scott Safety 096-3473-19).....	351.86	17.36
46 82 83 00-1421	EA		MERIDIAN OZONE SENSOR - O3 ROCK SOLID, HIGH RELATIVE HUMIDITY (Scott Safety 096-3473-39).....	636.36	31.39
46 82 83 00-1422	EA		MERIDIAN SILANE SENSOR - SiH4 (Scott Safety 096-3473-09).....	898.40	44.30
46 82 83 00-1423	EA		MERIDIAN SULFUR DIOXIDE SENSOR- SO2 ROCK SOLID, HIGH RELATIVE HUMIDITY (Scott Safety 096-3473-31).....	598.93	29.54
46 82 83 00-1424	EA		MERIDIAN SULFUR DIOXIDE SENSOR- SO2 ROCK SOLID, LOW RELATIVE HUMIDITY (Scott Safety 096-3473-32).....	598.93	29.54
46 82 83 00-1425	EA		MERIDIAN SULFUR DIOXIDE SENSOR -SO2 HIGH RELATIVE HUMIDITY (Scott Safety 096-3473-05).....	540.54	26.66
46 82 83 00-1426	EA		MERIDIAN COMBUSTIBLE CATALYTIC BEAD SENSOR (Scott Safety 096-3473-55).....	441.71	21.79
46 82 83 00-1427	EA		MERIDIAN COMBUSTIBLE INFRARED SENSOR1 (Scott Safety 096-3473-56).....	831.02	40.99
46 82 83 00-1428	EA		MERIDIAN INFRARED SENSOR BUTANE - C4H10 (Scott Safety 096-3554-04).....	1,010.70	49.85
46 82 83 00-1429	EA		MERIDIAN INFRARED SENSOR HEXANE - C6H14 (Scott Safety 096-3554-08).....	1,010.70	49.85
46 82 83 00-1430	EA		MERIDIAN INFRARED SENSOR ISOPROPANOL - C3H7OH (Scott Safety 096-3554-05).....	1,010.70	49.85
46 82 83 00-1431	EA		MERIDIAN INFRARED SENSOR METHANOL - CH3OH (Scott Safety 096-3554-03).....	1,010.70	49.85
46 82 83 00-1432	EA		MERIDIAN INFRARED SENSOR OCTAMETHYL TRISILOXANE - C8H24O2Si3 (Scott Safety 096-3554-02).....	1,010.70	49.85
46 82 83 00-1433	EA		MERIDIAN INFRARED SENSOR PENTANE - C5H12 (Scott Safety 096-3554-07).....	1,010.70	49.85
46 82 83 00-1434	EA		MERIDIAN INFRARED SENSOR PROPANE - C3H8 (Scott Safety 096-3554-01).....	1,010.70	49.85
46 82 83 00-1435	EA		MERIDIAN INFRARED SENSOR TOLUENE - C7H8 (Scott Safety 096-3554-06).....	1,010.70	49.85
46 82 83 00-1436	EA		CALIBRATION ADAPTER (Scott Safety 096-3438).....	74.87	3.70
46 82 83 00-1437	EA		FLOW CELL (Scott Safety 096-3439).....	82.36	4.06
46 82 83 00-1438	EA		DELUGE GUARD (Scott Safety 096-3441).....	112.30	5.53
46 82 83 00-1439	EA		WEATHER SHIELD (Scott Safety 073-0373).....	112.30	5.53
46 82 83 00-1440	EA		UNIVERSAL MOUNTING ADAPTER PLATE (Scott Safety 073-0374).....	112.30	5.53
46 82 83 00-1441	EA		STAINLESS STEEL END CAP (Scott Safety 096-3437-2).....	149.72	7.38
46 82 83 00-1442	EA		SENSOR SIMULATOR (Scott Safety 096-3395).....	172.19	8.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1443 EA FLAT/ROUND DUCT MOUNTING KIT (Scott Safety 096-3440).....	154.22	7.60
46 82 83 00-1444 EA "A" FRAME SALES DISPLAY KIT (INCLUDES: A-FRAME, SPACER PLATE, THUMB SCREWS, DC JACK ASSY) (Scott Safety 096-3541-00).....	374.33	18.46
46 82 83 00-1445 EA PIPE MOUNT FOR JUNCTION BOX (Scott Safety 076-0376).....	59.90	2.95
46 82 83 00-1446 EA PIPE MOUNT FOR MERIDIAN (Scott Safety 076-0377).....	74.87	3.70
46 82 83 00-1447 EA RIGHT ANGLE FITTING, POLYMER FOR 1/8" TUBING (Scott Safety 077-1385).....	14.98	0.74
46 82 83 00-1448 EA RIGHT ANGLE FITTING, STAINLESS STEEL FOR 1/8" TUBING (Scott Safety 077-1386).....	172.19	8.50
46 82 83 00-1449 EA DUST FILTER (Scott Safety 096-3537).....	89.84	4.43
46 82 83 00-1450 EA NEMA 4X 4 Channel Base Unit (Scott Safety 093-0463 ).....	3,443.85	169.85
46 82 83 00-1451 EA 4 Channel Direct Cat Bead Input and Discrete Relays(8) (Scott Safety 093-0455).....	4,686.63	231.14
46 82 83 00-1452 EA 4 Channel Direct Cat Bead Input (Scott Safety 093-0456).....	4,072.73	200.86
46 82 83 00-1453 EA 4 Channel 4-20ma Input and Discrete Relays(8) (Scott Safety 093-0457 ).....	4,357.23	214.89
46 82 83 00-1454 EA 4 Channel 4-20ma Input (Scott Safety 093-0458 ).....	4,027.81	198.65
46 82 83 00-1455 EA 7400 Plus - 4 Channel, NEMA 4X, Direct Catbead Input Board (Scott Safety 093-0618 ).....	5,570.06	274.72
46 82 83 00-1456 EA 7400 Plus - 4 Channel, NEMA 4X, 4-20 mA Input Board (Scott Safety 093-0619 ).....	5,165.78	254.78
<b>46 82 83 00-1457</b> <b>Multi-Channel Integrated Control Systems, Scott Model Series MCX-32</b> <small>(46 82 83 00-0522)</small>		
46 82 83 00-1458 EA Model MCX-32-N1P, 64 channel integrated control system in panel mount hardware assembly 110/220 VAC 24 VDC power supply. Does not include I/O modules for analog input, digital input, relay output, analog output. (Scott Safety 95P-MCX000-000).....	8,227.19	405.79
46 82 83 00-1459 EA Model MCX-32-N1R, 64 channel integrated control system in 19" rack mount hardware assembly w/ 110/220 VAC 24 VDC pwr supply. Does not include I/O modules for analog input, digital input, relay output, analog output. (Scott Safety 95R-MCX000-000).....	8,376.92	413.17
46 82 83 00-1460 EA Model MCX-32-N4X, 64 channel integrated control system in fiberglass wall mount weatherproof enclosure w/110/220 VAC 24 VDC pwr supply. Does not include I/O modules for analog input, digital input, relay output, analog output. (Scott Safety 954-MCX000-000).....	10,406.42	513.24
46 82 83 00-1461 EA Model MCX-32-N4X, 64 channel integrated control system in 316 stainless steel wall mount weatherproof enclosure w/110/220 VAC 24 VDC pwr supply. Does not include I/O modules for analog input, digital input, relay output, analog output. (Scott Safety 954-MCX020-000).....	11,890.69	586.35
46 82 83 00-1462 EA Detcon Model DA-4 four channel 4-20 mA DC input module (Scott Safety 976-041400-000).....	891.33	43.94
46 82 83 00-1463 EA Detcon Model RL-4 four relay alarm module (Scott Safety 975-041400-000).....	891.33	43.94
46 82 83 00-1464 EA Detcon Model DI-4 four channel dry contact input module (Scott Safety 975-041402-000).....	891.33	43.94
46 82 83 00-1465 EA Detcon Model AO-4 four channel analog output module (Scott Safety 975-041401-000).....	891.33	43.94
46 82 83 00-1466 EA RS-485 Isolated Repeater, 9-30VDC (Scott Safety 976-485485-000).....	682.96	33.60
46 82 83 00-1467 EA NEMA 4X Remote I/O Module Enclosure includes 120 watt power supply, for use with up to 8 I/O modules 32 sensors (Scott Safety 954-R21610-000).....	2,065.89	101.91
46 82 83 00-1468 EA NEMA 7X Remote I/O Module Enclosure includes 120 watt power supply, for use with up to 8 I/O modules 32 sensors (Scott Safety 957-R11670-000).....	4,716.58	232.62
46 82 83 00-1469 EA Ethernet connection to Lan line. N4X wall mounted enclosure. Connection to the RS-485 output from controller or remote display. (Scott Safety 976-00E485-000).....	2,941.20	139.94
46 82 83 00-1470 EA Ethernet connection to Lan line or Cell connection. N4X wall mounted enclosure. Connection to the RS-485 output from controller or remote display. (Scott Safety 976-00R485-000).....	3,735.20	184.25
<b>46 82 83 00-1471</b> <b>Nema 1 Panel Mount Mainframe Hardware Assemblies, Scott Model 12</b> <small>(46 82 83 00-0522)</small>		
46 82 83 00-1472 EA Model 612 Nema 1, 6 channel panel mount mainframe (Requires external line power 24 VDC power supply) (Scott Safety 951-061240-000).....	1,190.80	58.71
46 82 83 00-1473 EA Model 1212 Nema 1, 12 channel panel mount mainframe (Requires external line power 24 VDC power supply) (Scott Safety 951-121240-000).....	1,490.26	73.48
46 82 83 00-1474 EA Nema 1 line power 24 VDC power supply, 6.25 amps 150 Watts, standard 19" rack mount (Scott Safety 975- 124150-000).....	1,834.22	90.47
46 82 83 00-1475 EA Nema 1 line power 24 VDC power supply, 12.5 amps 300 Watts, standard 19" rack mount (Scott Safety 975- 124300-000).....	2,088.13	103.02
46 82 83 00-1476 EA Model 812-N4X Nema 4X, 8 channel weatherproof wall mount enclosure with line power 24 VDC power supply, 110/220 VAC (Scott Safety 954-081250-000).....	3,376.05	166.53
46 82 83 00-1477 EA Model 1212-N4X Nema 4X, 12 channel weatherproof wall mount enclosure with line power 24 VDC power supply (Scott Safety 954-121250-000).....	4,874.43	240.37
46 82 83 00-1478 EA Z-Purge Kit with pressure switch (for Mod 10/12 N4X) (Scott Safety 975-3675R0-000).....	2,088.13	103.02
46 82 83 00-1479 EA Detcon Model Series 12 Blank Plate (Scott Safety 912-000008-005).....	57.27	2.80
46 82 83 00-1480 EA Auxiliary Alarm Relay Board (Scott Safety 500-502600-000).....	425.89	21.04
46 82 83 00-1481 EA Gold plated jumper tab (Scott Safety 224-000000-000).....	6.41	0.26
46 82 83 00-1482 EA Power supply (812-N4X) (Scott Safety 360-SWS150-024).....	501.82	24.74
46 82 83 00-1483 EA Power supply (1212-N4X) (Scott Safety 360-SWS300-024).....	501.82	24.74
46 82 83 00-1484 EA Model 140-N4X, single channel gas detection control system in wall mount weatherproof enclosure 110/220VAC 24VDC pwr supply (Scott Safety 954-010110-000).....	2,088.13	103.02
46 82 83 00-1485 EA Model 240-N4X, dual channel gas detection control system in wall mount weatherproof enclosure w/110/220 VAC 24 VDC pwr supply (Scott Safety 954-020210-000).....	2,687.07	132.55
46 82 83 00-1486 EA Model X40-08-N4X, integrated alarm and control system in wall mount weatherproof enclosure with 110/220 VAC 24 VDC pwr supply for 8 sensors. Does not include optional I/O modules (Scott Safety 954-X08000-000).....	2,988.64	147.33
46 82 83 00-1487 EA Model X40-32-N1P, integrated alarm and control system in panel mount enclosure Does not include optional I/O modules. Power supply for 32 sensors (Scott Safety 95P-X32000-000).....	3,136.28	154.71
46 82 83 00-1488 EA Model X40-32 integrated alarm and control module. Does not include enclosure or optional I/O modules. Requires 24VDC (Scott Safety 95M-X32000-000).....	2,247.36	110.40
46 82 83 00-1489 EA Model X40-32-N1P, integrated alarm and control system in 19" Rack mount enclosure w/ 110/220 VAC 24 VDC pwr supply for 32 sensors Does not include optional I/O modules (Scott Safety 95R-X32000-000).....	3,737.31	184.25
46 82 83 00-1490 EA Model X40-32-N4X, integrated alarm and control system in wall mount weatherproof enclosure w/ 110/220 VAC 24 VDC pwr supply for 32 sensors. Does not include optional I/O modules (Scott Safety 954-X32000-000).....	3,737.31	184.25
46 82 83 00-1491 EA Model X40-00-N7, integrated alarm and control system in wall mount explosion proof enclosure (Class I; Div 1: Group C, D). Requires external 10-30 VDC power supply. (Scott Safety 957-X32000-000-0.0).....	3,326.07	154.71
46 82 83 00-1492 EA Model X40-RD-N4, 64 Channel Remote Display panel in N4X enclosure; 120VAC and wall mounting. (Scott Safety 954-XRD640-110).....	2,687.07	132.55



**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1493 EA Model X40-RD-N7, 32 Channel Remote Display panel in cast aluminum enclosure:Class 1; Div 1; Grps C, D. Requires 24VDC input (Scott Safety 957-XRD640-110-0_0) .....	3,136.28	154.71
46 82 83 00-1494 EA Smart battery pack with extended lid aluminum enclosure with mounting plate for wall or 2" pipe and accessories (Scott Safety 5) .....	1,572.19	77.54
46 82 83 00-1495 EA Smart battery pack with extended lid aluminum enclosure and alarm reset switch with mounting plate for wall or 2" pipe and accessories (Scott Safety 6) .....	1,512.50	74.59
46 82 83 00-1496 EA 115/220 VAC line power (Scott Safety 7) .....	1,130.06	55.75
46 82 83 00-1497 EA Sentinel controller with 4 wired inputs, Reset switch, alarm output 12VDC, AC power (Scott Safety 954-CXTO-4- 300) .....	6,326.22	312.01
46 82 83 00-1498 EA Detcon Model DA-4 four channel 4-20 maDC input module (Scott Safety 976-041400-000) .....	713.34	35.07
46 82 83 00-1499 EA Detcon Model RL-4 four relay alarm module (Scott Safety 975-041400-000) .....	713.34	35.07
46 82 83 00-1500 EA Detcon Model AO-4 four channel analog output module (Scott Safety 975-041401-000) .....	713.34	35.07
46 82 83 00-1501 EA RS-485 Isolated Repeater, 9-30VDC (Scott Safety 976-485485-000) .....	653.65	32.12
46 82 83 00-1502 EA NEMA 4X Remote I/O Module Enclosure includes 120 watt power supply, for use with up to 8 I/O modules 32 sensors (Scott Safety 954-R21610-000) .....	2,065.89	101.91
46 82 83 00-1503 EA NEMA 7X Remote I/O Module Enclosure includes 75 watt power supply, for use with up to 8 I/O modules 32 sensors (Scott Safety 957-R11662-000) .....	5,360.01	264.37
46 82 83 00-1504 EA Ethernet connection to Lan line. N4X wall mounted enclosure. Connection to the RS-485 output from controller or remote display. (Scott Safety 976-00E485-000) .....	2,837.86	139.94
46 82 83 00-1505 EA Ethernet connection to Lan line or Cell connection. N4X wall mounted enclosure. Connection to the RS-485 output from controller or remote display. (Scott Safety 976-00R485-000) .....	3,585.47	176.87
<b>46 82 83 00-1506 Start Up and Training</b> <small>(46 82 83 00-0522)</small>		
46 82 83 00-1507 EA Scott Safety Start Up And Training .....	1,054.40	36.69
<b>46 82 83 00-1508 Flow Equipment (Sierra Instruments)</b> <small>(46 82 83 00-0099)</small>		
<b>46 82 83 00-1509 InnovaSonic® 203 Economical Ultrasonic Transit-Time Liquid Flow Meter</b> <small>(46 82 83 00-1508)</small>		
46 82 83 00-1510 EA InnovaSonic® Economical Ultrasonic Transit-Time Liquid Flow Meter (Sierra 203) .....	2,788.15	65.19
Note: Flow range 1.6 to 40 ft/s; accuracy +/- 1.0% of reading from 1.6 to 40 ft/s; repeatability +/- 0.3% of reading; pipe size range 1" to 48". 10 to 24 VAC or 10 to 36 VDC at 1A; transmitter NEMA 4X, IP 65, ABS/PC enclosure; output 4 to 20 mA current loop (maximum load 750 Ohm); OCT 0 to 9999 Hz. Push button data entry (4x4 keypad with 12 dual function keys) and integral display; relay, RS-485 (RS-232 optional), Modbus RTU; operating temperature 32 to 140 Degree F. Clamp on transducers included. Includes 30' cable. No cost options include: OCT, Relay, RS-485, 4 To 20 mA Current Loop (Maximum Load 750 Ohm), Modbus RTU - Code 2; OCT, Relay, RS-232, 4 To 20 mA Current Loop (Maximum Load 750 Ohm) - Code 3; Clamp on transducers. Operating Temperature 32 to 140 Degree F, Standard 30' - Code CP.		
46 82 83 00-1511 EA 5-Point Calibration Certification Traceable To NIST (Sierra NIST) .....	522.98	
46 82 83 00-1512 EA 100 Gram Coupling Compound (Sierra 205-2011) .....	46.39	
46 82 83 00-1513 EA 50' InnovaSonic Cable Length Adder Option (Sierra 203 (50)) .....	233.70	13.04
46 82 83 00-1514 EA 100' InnovaSonic Cable Length Adder Option (Sierra 203 (100)) .....	546.47	26.08
46 82 83 00-1515 EA 150' InnovaSonic Cable Length Adder Option (Sierra 203 (150)) .....	922.51	39.11
46 82 83 00-1516 EA 200' InnovaSonic Cable Length Adder Option (Sierra 203 (200)) .....	1,208.93	52.15
46 82 83 00-1517 EA 300' InnovaSonic Cable Length Adder Option (Sierra 203 (300)) .....	1,893.52	78.23
46 82 83 00-1518 EA InnovaSonic Hard Copy Instruction Manual (Sierra 203-IM) .....	46.39	
<b>46 82 83 00-1519 InnovaSonic® 205i General Purpose Ultrasonic Transit-Time Liquid Flow Meter</b> <small>(46 82 83 00-1508)</small>		
46 82 83 00-1520 EA InnovaSonic® General Purpose Ultrasonic Transit-Time Liquid Flow Meter (Sierra 205i) .....	4,053.11	65.19
Note: Flow range 0.16 to 40 ft/s; accuracy +/- 0.5% of reading from 0.16 to 40 ft/s; repeatability +/- 0.1% of full scale; output 4 to 20 mA (max load 750 Ohm), OCT, relay (SPST), frequency; power supply 90 to 250 VAC, 48 to 63 Hz and 10 to 36 VDC; pipe size 2" to 236"; display 20 x 2, alphanumeric, backlit LCD; keypad 22 tactile keys with 12 dual-function and 6 quick setup keys. 1 GB SD card high-memory data logging, maximum memory 512 days of data. Transducer hazard area classification Ex d II BT4. Modbus RTU, RS-232 and RS-485 standard. Installation kit includes 2" x 44" pipe straps suitable for up to 12" diameter pipe. Installation method: wall mount. Includes 30' cable. No cost options include: NEMA 4X (IP 65), Die-Cast Aluminum Machined Enclosure - Code 1.		
46 82 83 00-1521 EA -40 To 176 Degree F, IP 67, Clamp On Transducer (Sierra 205i S) .....	1,196.44	24.44
46 82 83 00-1522 EA 1-1/2" Diameter, -40 To 176 Degree F, Insertion Transducer (Sierra 205i W) .....	1,494.81	24.44
Note: Suitable for pipes 2" to 236". IP 67. Includes 1-1/2" ball valves; carbon steel installation seat for ball valve (brass), mounting kit (includes 4 screws and four plastic bushings) and seal kits.		
46 82 83 00-1523 EA 5-Point Calibration Certification Traceable To NIST (Sierra 205i NIST) .....	542.22	
46 82 83 00-1524 EA 100 Gram Coupling Compound (Sierra 205-2011) .....	24.10	
46 82 83 00-1525 EA 43" Pipe Straps (Sierra 205-2010) .....	46.42	8.15
46 82 83 00-1526 EA 50' InnovaSonic Cable Length Adder Option (Sierra 205i (50)) .....	188.07	13.04
46 82 83 00-1527 EA 100' InnovaSonic Cable Length Adder Option (Sierra 205i (100)) .....	458.75	26.08
46 82 83 00-1528 EA 150' InnovaSonic Cable Length Adder Option (Sierra 205i (150)) .....	729.44	39.11
46 82 83 00-1529 EA 200' InnovaSonic Cable Length Adder Option (Sierra 205i (200)) .....	1,000.13	52.15
46 82 83 00-1530 EA 300' InnovaSonic Cable Length Adder Option (Sierra 205i (300)) .....	1,541.49	78.23
<b>46 82 83 00-1531 InnovaSonic® 207i General Purpose Ultrasonic Transit-Time Liquid Flow Meter</b> <small>(46 82 83 00-1508)</small>		
46 82 83 00-1532 EA InnovaSonic® Liquid And Thermal Energy/BTU Flow Meter (Sierra 207i) .....	4,473.08	65.19
46 82 83 00-1533 EA InnovaSonic AC Powered Option, 100-240 VAC, 50-60 Hz, 0.5 Amps (Sierra 207i P3) .....	366.19	65.19
46 82 83 00-1534 PR 14°F to 176°F, IP 68, Clamp On Transducer (Sierra 207i S) .....	1,314.18	24.78
46 82 83 00-1535 PR 14°F to 302°F, IP 68, High-Temperature Clamp On Transducer (Sierra 207i H) .....	1,535.60	24.78
46 82 83 00-1536 PR -40°F to 176°F, IP 68, 1-1/2" Diameter Insertion Transducer (Sierra 207i W) .....	1,841.38	24.78
46 82 83 00-1537 EA Up To three PT 100 Input Modules Option (Sierra 207i PT 100( )) .....	137.07	
46 82 83 00-1538 EA Option To Accept Analog Current Inputs From Any 4-20 mA Transmitter (Sierra 207i AI( )) .....	137.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1539 EA Modbus RS-485 Output (Sierra 207i Modbus).....	137.07	
46 82 83 00-1540 EA BACnet Protocol (Sierra 207i BACnet) .....	263.60	
46 82 83 00-1541 EA 1-1/2" NPT Strain Relief For Wiring/Cable (Sierra 207i STRAIN( )).....	50.94	13.69
46 82 83 00-1542 EA Clamp On PT 100 RTD, 4-Wire, NEMA 4X Enclosure (Sierra 207i RTDC ( )-X).....	323.04	29.33
46 82 83 00-1543 EA Insertion PT 100 RTD, 4-Wire, NEMA 4X Enclosure (Sierra 207i RTDI ( )-X).....	376.82	29.33
46 82 83 00-1544 EA Coupling Compound (Sierra 207i 205-2011) .....	46.39	
46 82 83 00-1545 EA 43" Pipe Straps (Sierra 207i 205-2010) .....	67.97	8.47
46 82 83 00-1546 EA Hard Copy Instruction Manual (Sierra 207i IM).....	46.39	
46 82 83 00-1547 EA Matched RTD System (Sierra 207i MATCHED RTD).....	632.64	
46 82 83 00-1548 Day Commissioning (Sierra 207i Commissioning).....	1,639.35	
46 82 83 00-1549 EA 50' InnovaSonic Cable Length Adder Option (Sierra 207i (50)).....	234.75	13.04
46 82 83 00-1550 EA 100' InnovaSonic Cable Length Adder Option (Sierra 207i (100)).....	536.98	26.08
46 82 83 00-1551 EA 150' InnovaSonic Cable Length Adder Option (Sierra 207i (150)).....	805.48	39.11
46 82 83 00-1552 EA 200' InnovaSonic Cable Length Adder Option (Sierra 207i (200)).....	1,131.96	52.15
46 82 83 00-1553 EA 300' InnovaSonic Cable Length Adder Option (Sierra 207i (300)).....	1,627.81	78.23
<b>46 82 83 00-1554 InnovaSonic® 210i Portable Ultrasonic Transit-Time Liquid Flow Meter (46 82 83 00-1508)</b>		
46 82 83 00-1555 EA Hard Copy Instruction Manual (Sierra 210i IM).....	46.39	
46 82 83 00-1556 EA InnovaSonic® Portable Ultrasonic Transit-Time Liquid Flow Meter (Sierra 210i ) .....	6,748.16	
Note: Portable ultrasonic transit-time liquid flow meter; flow range 0.03 to 40 ft/s; accuracy +/- 0.5% of reading from 0.03 to 40 ft/s; repeatability +/- 0.1% of full scale; pipe size 0.6" to 236"; 4 to 20 mA DC output; push-button data entry with 24 tactile keys; 12 dual-function and 7 quick setup keys; integral color display; 11.1 VDC rechargeable battery (10 hours duration); wall-mounted charger included (includes international plug set); 2 GB SD memory card; carrying bag, pelican case. Includes 16' cable. No cost options include: Push-Button Data Entry With 24 Tactile Keys, 12 Dual Function And 7 Quick Setup Keys, Comes With Display - Code 1; Clamp-On Portable Transducers With Two Magnetic Mounting Racks, Operating Temperature -40 to 176 Degree F, 16' Standard Cable Length, Longer Lead Time Required For Longer Cable Lengths - Code 16.		
46 82 83 00-1557 EA 5-Point Calibration Certification Traceable To NIST (Sierra 210i NIST) .....	522.98	
46 82 83 00-1558 EA 100 Gram Coupling Compound (Sierra 205-2011).....	46.39	
46 82 83 00-1559 EA 30' InnovaSonic Cable Length Adder Option (Sierra 210i (30)).....	121.74	8.15
46 82 83 00-1560 EA 50' InnovaSonic Cable Length Adder Option (Sierra 210i (50)).....	191.52	13.04
46 82 83 00-1561 EA 100' InnovaSonic Cable Length Adder Option (Sierra 210i (100)).....	467.39	26.08
46 82 83 00-1562 EA 150' InnovaSonic Cable Length Adder Option (Sierra 210i (150)).....	743.27	39.11
46 82 83 00-1563 EA 200' InnovaSonic Cable Length Adder Option (Sierra 210i (200)).....	1,019.14	52.15
46 82 83 00-1564 EA 300' InnovaSonic Cable Length Adder Option (Sierra 210i (300)).....	1,570.87	78.23
<b>46 82 83 00-1565 InnovaMass® 240 Series (46 82 83 00-1508)</b>		
46 82 83 00-1566 EA Liquid, Gas And Steam InnovaMass® In-line Multiparameter Mass Vortex Flow Meter (Sierra 240V).....	1,797.01	65.19
Note: No cost options include: Explosion Proof Enclosure Mounted On Probe, Includes FMC, IECEX And ATEX, Class 1, Division 1; 12-36 VDC Loop Powered (Only Available With V4LH) - Code PV1L; One Analog Output (4-20 mA), One Pulse, HART, Loop Powered - Code V4LH; One Analog Output (4-20 mA), One Alarm, One Pulse And HART Communication, Not Loop Powered - Code V4H; Cryogenic Process Temperature -330 to -40 Degree F - Code CT; Standard Process Temperature -40 To 500 Degree F - Code ST; Maximum 30 PSIG, Proof 60 PSIG - Code MP1; Maximum 100 PSIG, Proof 200 PSIG - Code MP2; Maximum 300 PSIG, Proof 600 PSIG - Code MP3; Maximum 500 PSIG, Proof 1,000 PSIG - Code MP4; Maximum 1,500 PSIG, Proof 2,500 PSIG - Code MP5.		
46 82 83 00-1567 EA Velocity And Temperature Sensors InnovaMass® In-line Multiparameter Mass Vortex Flow Meter (Sierra 240VT).....	2,850.36	65.19
Note: Mass measurement with temperature compensation. No cost options include: Explosion Proof Enclosure Mounted On Probe, Includes FMC, IECEX And ATEX, Class 1, Division 1; 12-36 VDC Loop Powered (Only Available With V4LH) - Code PV1L; One Analog Output (4-20 mA), One Pulse, HART, Loop Powered - Code V4LH; One Analog Output (4-20 mA), One Alarm, One Pulse And HART Communication, Not Loop Powered - Code V4H; Cryogenic Process Temperature -330 to -40 Degree F - Code CT; Standard Process Temperature -40 To 500 Degree F - Code ST; No Pressure Sensor - Code MP0; Maximum 30 PSIG, Proof 60 PSIG - Code MP1; Maximum 100 PSIG, Proof 200 PSIG - Code MP2; Maximum 300 PSIG, Proof 600 PSIG - Code MP3; Maximum 500 PSIG, Proof 1,000 PSIG - Code MP4; Maximum 1,500 PSIG, Proof 2,500 PSIG - Code MP5.		
46 82 83 00-1568 EA Velocity, Temperature And Pressure Sensors InnovaMass® In-line Multiparameter Mass Vortex Flow Meter (Sierra 240VTP).....	3,597.93	65.19
Note: Mass measurement with pressure and temperature compensation. No cost options include: Explosion Proof Enclosure Mounted On Probe, Includes FMC, IECEX And ATEX, Class 1, Division 1; 12-36 VDC Loop Powered (Only Available With V4LH) - Code PV1L; One Analog Output (4-20 mA), One Pulse, HART, Loop Powered - Code V4LH; One Analog Output (4-20 mA), One Alarm, One Pulse And HART Communication, Not Loop Powered - Code V4H; Cryogenic Process Temperature -330 to -40 Degree F - Code CT; Standard Process Temperature -40 To 500 Degree F - Code ST; Maximum 30 PSIG, Proof 60 PSIG - Code MP1; Maximum 100 PSIG, Proof 200 PSIG - Code MP2; Maximum 300 PSIG, Proof 600 PSIG - Code MP3; Maximum 500 PSIG, Proof 1,000 PSIG - Code MP4; Maximum 1,500 PSIG, Proof 2,500 PSIG - Code MP5.		
46 82 83 00-1569 EA Velocity, Temperature And Pressure Sensors InnovaMass® In-line Multiparameter Mass Vortex Flow Meter (Sierra 240VTEP) .....	5,054.57	65.19
Note: Mass measurement with pressure temperature compensation. Pressure sensor is not included. (select MP0), but unit has a 4-20 mA input for an external pressure sensor. No cost options include: Explosion Proof Enclosure Mounted On Probe, Includes FMC, IECEX And ATEX, Class 1, Division 1; 12-36 VDC Loop Powered (Only Available With V4LH) - Code PV1L; One Analog Output (4-20 mA), One Pulse, HART, Loop Powered - Code V4LH; One Analog Output (4-20 mA), One Alarm, One Pulse And HART Communication, Not Loop Powered - Code V4H; Cryogenic Process Temperature -330 to -40 Degree F - Code CT; Standard Process Temperature -40 To 500 Degree F - Code ST; Maximum 30 PSIG, Proof 60 PSIG - Code MP1; Maximum 100 PSIG, Proof 200 PSIG - Code MP2; Maximum 300 PSIG, Proof 600 PSIG - Code MP3; Maximum 500 PSIG, Proof 1,000 PSIG - Code MP4; Maximum 1,500 PSIG, Proof 2,500 PSIG - Code MP5		

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1570 EA VT Meter Plus Energy Meter Package InnovaMass® In-line Multiparameter Mass Vortex Flow Meter (Sierra 240VT EMS).....	4,232.63	65.19
Note: Calculates energy in BTU or kJoules. Based on flow and temperature measurement (Class A RTD) from meter and secondary RTD to provide delta temperature. Excludes remote RTD. No cost options include: Explosion Proof Enclosure Mounted On Probe, Includes FMC, IECEx And ATEX, Class 1, Division 1; 12-36 VDC Loop Powered (Only Available With V4LH) - Code PV1L; One Analog Output (4-20 mA), One Pulse, HART, Loop Powered - Code V4LH; One Analog Output (4-20 mA), One Alarm, One Pulse And HART Communication, Not Loop Powered - Code V4H; Cryogenic Process Temperature -330 to -40 Degree F - Code CT; Standard Process Temperature -40 To 500 Degree F - Code ST.		
46 82 83 00-1571 EA VTP Meter Plus Energy Meter Package InnovaMass® In-line Multiparameter Mass Vortex Flow Meter (Sierra 240VTP EMS).....	5,156.94	65.19
Note: Calculates energy in BTU or kJoules. Based on flow and temperature measurement (Class A RTD) from meter and secondary RTD to provide delta temperature. Excludes remote RTD. No cost options include: Explosion Proof Enclosure Mounted On Probe, Includes FMC, IECEx And ATEX, Class 1, Division 1; 12-36 VDC Loop Powered (Only Available With V4LH) - Code PV1L; One Analog Output (4-20 mA), One Pulse, HART, Loop Powered - Code V4LH; One Analog Output (4-20 mA), One Alarm, One Pulse And HART Communication, Not Loop Powered - Code V4H; Cryogenic Process Temperature -330 to -40 Degree F - Code CT; Standard Process Temperature -40 To 500 Degree F - Code ST; Maximum 30 PSIG, Proof 60 PSIG - Code MP1; Maximum 100 PSIG, Proof 200 PSIG - Code MP2; Maximum 300 PSIG, Proof 600 PSIG - Code MP3; Maximum 500 PSIG, Proof 1,000 PSIG - Code MP4; Maximum 1,500 PSIG, Proof 2,500 PSIG - Code MP5.		
46 82 83 00-1572 EA 1/2" ANSI Class 150 Flange, 316L Stainless Steel Flow Body (Sierra F2).....	1,081.61	31.29
46 82 83 00-1573 EA 3/4" ANSI Class 150 Flange, 316L Stainless Steel Flow Body (Sierra 240 F3).....	1,088.13	36.50
46 82 83 00-1574 EA 1" ANSI Class 150 Flange, 316L Stainless Steel Flow Body (Sierra 240 F4).....	1,104.04	54.90
46 82 83 00-1575 EA 1-1/2" ANSI Class 150 Flange, 316L Stainless Steel Flow Body (Sierra 240 F5).....	1,159.15	68.45
46 82 83 00-1576 EA 2" ANSI Class 150 Flange, 316L Stainless Steel Flow Body (Sierra 240 F6).....	1,259.00	86.92
46 82 83 00-1577 EA 3" ANSI Class 150 Flange, 316L Stainless Steel Flow Body (Sierra 240 F7).....	1,824.69	110.96
46 82 83 00-1578 EA 4" ANSI Class 150 Flange, 316L Stainless Steel Flow Body (Sierra 240 F8).....	2,641.06	186.24
46 82 83 00-1579 EA 6" ANSI Class 150 Flange, 316L Stainless Steel Flow Body (Sierra 240 F9).....	4,147.18	235.52
46 82 83 00-1580 EA 8" ANSI Class 150 Flange, 316L Stainless Steel Flow Body (Sierra 240 F10).....	7,120.67	298.00
46 82 83 00-1581 EA 1/2" ANSI Class 300 Flange, 316L Stainless Steel Flow Body (Sierra 240 G2).....	1,578.03	31.29
46 82 83 00-1582 EA 3/4" ANSI Class 300 Flange, 316L Stainless Steel Flow Body (Sierra 240 G3).....	1,584.55	36.50
46 82 83 00-1583 EA 1" ANSI Class 300 Flange, 316L Stainless Steel Flow Body (Sierra 240 G4).....	1,601.72	54.90
46 82 83 00-1584 EA 1-1/2" ANSI Class 300 Flange, 316L Stainless Steel Flow Body (Sierra 240 G5).....	1,771.76	68.45
46 82 83 00-1585 EA 2" ANSI Class 300 Flange, 316L Stainless Steel Flow Body (Sierra 240 G6).....	1,948.58	86.92
46 82 83 00-1586 EA 3" ANSI Class 300 Flange, 316L Stainless Steel Flow Body (Sierra 240 G7).....	2,973.98	110.96
46 82 83 00-1587 EA 4" ANSI Class 300 Flange, 316L Stainless Steel Flow Body (Sierra 240 G8).....	3,443.46	186.24
46 82 83 00-1588 EA 6" ANSI Class 300 Flange, 316L Stainless Steel Flow Body (Sierra 240 G9).....	6,880.18	235.52
46 82 83 00-1589 EA 8" ANSI Class 300 Flange, 316L Stainless Steel Flow Body (Sierra 240 G10).....	9,145.12	298.00
46 82 83 00-1590 EA 1/2" ANSI Class 600 Flange, 316L Stainless Steel Flow Body (Sierra 240 H2).....	1,888.31	31.29
46 82 83 00-1591 EA 3/4" ANSI Class 600 Flange, 316L Stainless Steel Flow Body (Sierra 240 H3).....	1,894.83	36.50
46 82 83 00-1592 EA 1" ANSI Class 600 Flange, 316L Stainless Steel Flow Body (Sierra 240 H4).....	1,908.55	54.90
46 82 83 00-1593 EA 1-1/2" ANSI Class 600 Flange, 316L Stainless Steel Flow Body (Sierra 240 H5).....	2,231.47	68.45
46 82 83 00-1594 EA 2" ANSI Class 600 Flange, 316L Stainless Steel Flow Body (Sierra 240 H6).....	2,407.24	86.92
46 82 83 00-1595 EA 3" ANSI Class 600 Flange, 316L Stainless Steel Flow Body (Sierra 240 H7).....	3,509.62	110.96
46 82 83 00-1596 EA 4" ANSI Class 600 Flange, 316L Stainless Steel Flow Body (Sierra 240 H8).....	7,250.90	186.24
46 82 83 00-1597 EA 6" ANSI Class 600 Flange, 316L Stainless Steel Flow Body (Sierra 240 H9).....	10,416.64	235.52
46 82 83 00-1598 EA 8" ANSI Class 600 Flange, 316L Stainless Steel Flow Body (Sierra 240 H10).....	14,881.05	298.00
46 82 83 00-1599 EA 1/2" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240 W2).....	963.70	31.29
46 82 83 00-1600 EA 3/4" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240 W3).....	970.22	36.50
46 82 83 00-1601 EA 1" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240 W4).....	720.19	54.90
46 82 83 00-1602 EA 1-1/2" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240 W5).....	892.46	68.45
46 82 83 00-1603 EA 2" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240 W6).....	1,070.48	86.92
46 82 83 00-1604 EA 3" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240 W7).....	1,320.67	110.96
46 82 83 00-1605 EA 4" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240 W8).....	1,926.86	186.24
46 82 83 00-1606 EA 1" ANSI Class 150 Flange, Carbon Steel Flow Body (Sierra 240 FC4).....	993.21	54.90
46 82 83 00-1607 EA 1-1/2" ANSI Class 150 Flange, Carbon Steel Flow Body (Sierra 240 FC5).....	1,010.36	68.45
46 82 83 00-1608 EA 2" ANSI Class 150 Flange, Carbon Steel Flow Body (Sierra 240 FC6).....	1,113.92	86.92
46 82 83 00-1609 EA 3" ANSI Class 150 Flange, Carbon Steel Flow Body (Sierra 240 FC7).....	1,596.96	110.96
46 82 83 00-1610 EA 4" ANSI Class 150 Flange, Carbon Steel Flow Body (Sierra 240 FC8).....	2,092.42	186.24
46 82 83 00-1611 EA 6" ANSI Class 150 Flange, Carbon Steel Flow Body (Sierra 240 FC9).....	4,144.52	235.52
46 82 83 00-1612 EA 8" ANSI Class 150 Flange, Carbon Steel Flow Body (Sierra 240 FC10).....	6,532.71	298.00
46 82 83 00-1613 EA 1" ANSI Class 300 Flange, Carbon Steel Flow Body (Sierra 240 GC4).....	994.75	54.90
46 82 83 00-1614 EA 1-1/2" ANSI Class 300 Flange, Carbon Steel Flow Body (Sierra 240 GC5).....	1,011.90	68.45
46 82 83 00-1615 EA 2" ANSI Class 300 Flange, Carbon Steel Flow Body (Sierra 240 GC6).....	1,112.70	86.92
46 82 83 00-1616 EA 3" ANSI Class 300 Flange, Carbon Steel Flow Body (Sierra 240 GC7).....	1,605.81	110.96
46 82 83 00-1617 EA 4" ANSI Class 300 Flange, Carbon Steel Flow Body (Sierra 240 GC8).....	2,092.42	186.24
46 82 83 00-1618 EA 6" ANSI Class 300 Flange, Carbon Steel Flow Body (Sierra 240 GC9).....	5,299.57	235.52
46 82 83 00-1619 EA 8" ANSI Class 300 Flange, Carbon Steel Flow Body (Sierra 240 GC10).....	6,532.71	298.00
46 82 83 00-1620 EA 1" ANSI Class 600 Flange, Carbon Steel Flow Body (Sierra 240 HC4).....	1,371.74	54.90
46 82 83 00-1621 EA 1-1/2" ANSI Class 600 Flange, Carbon Steel Flow Body (Sierra 240 HC5).....	1,544.03	68.45
46 82 83 00-1622 EA 2" ANSI Class 600 Flange, Carbon Steel Flow Body (Sierra 240 HC6).....	1,722.04	86.92
46 82 83 00-1623 EA 3" ANSI Class 600 Flange, Carbon Steel Flow Body (Sierra 240 HC7).....	2,366.42	110.96
46 82 83 00-1624 EA 4" ANSI Class 600 Flange, Carbon Steel Flow Body (Sierra 240 HC8).....	3,466.91	186.24
46 82 83 00-1625 EA 6" ANSI Class 600 Flange, Carbon Steel Flow Body (Sierra 240 HC9).....	6,069.59	235.52
46 82 83 00-1626 EA 8" ANSI Class 600 Flange, Carbon Steel Flow Body (Sierra 240 HC10).....	7,841.75	298.00
46 82 83 00-1627 EA Remote Electronics Explosion Proof Enclosure (Sierra 240 E4( )).....	1,058.43	32.59
Note: Specify cable length in parentheses, maximum 50'. Includes FMC, ATEX, IECEx and Cable glands. Class 1, Division 1.		
46 82 83 00-1628 EA Digital Display With Pushbuttons Option (Sierra 240 DD).....	221.42	
46 82 83 00-1629 EA No Readout Display Option (Sierra 240 NR).....	235.25	
Note: Display highly recommended for setup/diagnostics.		
46 82 83 00-1630 EA 12-36 VDC Input Power (Sierra 240 PV1).....	546.07	
46 82 83 00-1631 EA 100-240 VAC, 50/60 Hz Line Power, 25 Watts Input Power (Sierra 240 PS).....	407.00	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1632	EA			One Analog Output (4-20 mA), One Alarm, One Pulse, And MODBUS (Sierra 240 V4M).....	374.31	
46 82 83 00-1633	EA			One Analog Output (4-20 mA), One Alarm, One Pulse, And BACNet (Sierra 240 V4B).....	327.87	
46 82 83 00-1634	EA			Three Analog Outputs (4-20 mA), Three Alarms, One Pulse, HART (Sierra 240 V6H).....	374.31	
46 82 83 00-1635	EA			Three Analog Outputs (4-20 mA), Three Alarms, One Pulse, MODBUS (Sierra 240 V6M).....	374.31	
46 82 83 00-1636	EA			Three Analog Outputs (4-20 mA), Three Alarms, One Pulse, BACNet (Sierra 240 V6B).....	521.25	
46 82 83 00-1637	EA			High Process Temperature, -40 To 750 Degree F (Sierra 240 HT).....	1,110.76	
46 82 83 00-1638	EA			Material Certificates Option (Sierra 240 MC).....	122.31	
				Note: US Mill certifications on all wetted parts.		
46 82 83 00-1639	EA			Pressure Test Certificate Option (Sierra 240 PT).....	61.16	
46 82 83 00-1640	EA			Certificate Of Conformance Option (Sierra 240 CC).....	61.16	
46 82 83 00-1641	EA			NACE Certificate Option (Sierra 240 NC).....	122.31	
46 82 83 00-1642	EA			Cleaned For O2 Service (Includes Certification) Option (Sierra 240 O2C).....	683.25	
				Note: Meter must include O2C (oxygen cleaning) if meter to be used for oxygen service.		
46 82 83 00-1643	EA			25' Armored Cable With Glands (ATEX, IECEX) V Meter Only Adder Option (Sierra 240 ARM25V).....	352.53	8.15
46 82 83 00-1644	EA			50' Armored Cable With Glands (ATEX, IECEX) V Meter Only Adder Option (Sierra 240 ARM50V).....	544.95	13.04
46 82 83 00-1645	EA			25' Armored Cable With Glands (ATEX, IECEX) V Meter Only Adder Option (Sierra 240 ARM25VTP).....	711.21	26.08
46 82 83 00-1646	EA			50' Armored Cable With Glands (ATEX, IECEX) V Meter Only Adder Option (Sierra 240 ARM50VTP).....	1,250.42	39.11
46 82 83 00-1647	EA			3/4" NPT To M20 Conversion Kit, Local Electronics (E2) Option (Sierra 240 M20L).....	183.07	52.15
46 82 83 00-1648	EA			3/4" NPT To M20 Conversion Kit, Remote Electronics (E4) Option (Sierra 240 M20R).....	366.40	78.23
46 82 83 00-1649	EA			Additional Instruction Manual (Sierra 240-IM).....	46.39	
<b>46 82 83 00-1650</b>	<b>InnovaMass® 240i Series (46 82 83 00-1508)</b>					
46 82 83 00-1651	EA			DN25/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240i FD4).....	1,350.16	16.30
46 82 83 00-1652	EA			DN40/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240i FD5).....	1,668.07	28.03
46 82 83 00-1653	EA			DN50/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240i FD6).....	1,879.04	31.29
46 82 83 00-1654	EA			DN80/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240i FD7).....	2,451.77	36.50
46 82 83 00-1655	EA			DN100/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240i FD8).....	3,007.23	54.90
46 82 83 00-1656	EA			DN150/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240i FD9).....	5,826.98	68.45
46 82 83 00-1657	EA			DN200/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240i FD10).....	8,794.80	86.92
46 82 83 00-1658	EA			DN25/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240i GD4).....	2,040.79	16.30
46 82 83 00-1659	EA			DN40/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240i GD5).....	2,358.70	28.03
46 82 83 00-1660	EA			DN50/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240i GD6).....	2,753.14	31.29
46 82 83 00-1661	EA			DN80/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240i GD7).....	3,608.45	36.50
46 82 83 00-1662	EA			DN100/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240i GD8).....	4,315.74	54.90
46 82 83 00-1663	EA			DN150/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240i GD9).....	7,775.51	68.45
46 82 83 00-1664	EA			DN200/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240i GD10).....	12,890.09	86.92
46 82 83 00-1665	EA			DN25/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240i HD4).....	2,722.99	16.30
46 82 83 00-1666	EA			DN40/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240i HD5).....	3,116.82	28.03
46 82 83 00-1667	EA			DN50/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240i HD6).....	3,211.80	31.29
46 82 83 00-1668	EA			DN80/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240i HD7).....	4,619.62	36.50
46 82 83 00-1669	EA			DN100/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240i HD8).....	6,354.95	54.90
46 82 83 00-1670	EA			DN150/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240i HD9).....	8,572.64	68.45
46 82 83 00-1671	EA			DN200/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240i HD10).....	15,779.14	86.92
46 82 83 00-1672	EA			Three Analog Outputs (4-20 mA), One Alarm, One Pulse, Profibus DP With External M12 Connection (Sierra 240i V6DP1).....	374.31	
46 82 83 00-1673	EA			Three Analog Outputs (4-20 mA), One Alarm, One Pulse, Profibus DP With Terminal Block Connection (Sierra 240i V6DP2).....	374.31	
46 82 83 00-1674	EA			Three Analog Outputs (4-20 mA), One Alarm, One Pulse, Foundation Fieldbus With Terminal Block Connections (Sierra 240i V6FF).....	374.31	
46 82 83 00-1675	Day			Commissioning (Sierra 240i Commissioning).....	1,581.60	
46 82 83 00-1676	EA			Hard Copy Instruction Manual (Sierra 240i IM).....	24.04	
<b>46 82 83 00-1677</b>	<b>InnovaMass® 240S Series (46 82 83 00-1508)</b>					
46 82 83 00-1678	EA			Liquid, Gas And Steam InnovaMass Volumetric Flow Meter (Sierra 240S V).....	2,072.78	65.19
46 82 83 00-1679	EA			Velocity And Temperature Sensors (Sierra 240S VT).....	3,506.66	65.19
46 82 83 00-1680	EA			Velocity, Temperature And Pressure Sensors (Sierra 240S VTP).....	4,398.47	65.19
46 82 83 00-1681	EA			Velocity, Temperature And 4-20 mA Input For External Pressure Sensor (Sierra 240S VTEP).....	4,398.47	65.19
46 82 83 00-1682	EA			VT Meter Plus Energy Meter Package (Sierra 240S VT EMS).....	3,904.48	65.19
46 82 83 00-1683	EA			VTP Meter Plus Energy Meter Package (Sierra 240S VTP EMS).....	4,829.07	65.19
46 82 83 00-1684	EA			1/2" Class 150 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S F2).....	1,081.74	31.29
46 82 83 00-1685	EA			3/4" Class 150 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S F3).....	1,088.26	36.50
46 82 83 00-1686	EA			1" Class 150 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S F4).....	1,111.25	54.90
46 82 83 00-1687	EA			1-1/2" Class 150 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S F5).....	1,165.56	68.45
46 82 83 00-1688	EA			2" Class 150 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S F6).....	1,269.31	86.92
46 82 83 00-1689	EA			3" Class 150 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S F7).....	1,832.70	110.96
46 82 83 00-1690	EA			4" Class 150 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S F8).....	2,657.96	186.24
46 82 83 00-1691	EA			6" Class 150 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S F9).....	3,990.59	235.52
46 82 83 00-1692	EA			8" Class 150 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S F10).....	6,845.76	298.00
46 82 83 00-1693	EA			1/2" Class 300 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S G2).....	1,577.91	31.29
46 82 83 00-1694	EA			3/4" Class 300 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S G3).....	1,584.43	36.50
46 82 83 00-1695	EA			1" Class 300 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S G4).....	1,607.42	54.90
46 82 83 00-1696	EA			1-1/2" Class 300 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S G5).....	1,779.77	68.45
46 82 83 00-1697	EA			2" Class 300 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S G6).....	1,957.84	86.92
46 82 83 00-1698	EA			3" Class 300 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S G7).....	2,980.24	110.96
46 82 83 00-1699	EA			4" Class 300 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S G8).....	3,466.70	186.24
46 82 83 00-1700	EA			6" Class 300 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S G9).....	6,611.36	235.52
46 82 83 00-1701	EA			8" Class 300 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S G10).....	8,786.75	298.00
46 82 83 00-1702	EA			1/2" Class 600 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S H2).....	1,888.30	31.29
46 82 83 00-1703	EA			3/4" Class 600 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S H3).....	1,894.82	36.50

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1704 EA 1" Class 600 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S H4) .....	1,917.81	54.90
46 82 83 00-1705 EA 1-1/2" Class 600 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S H5) .....	2,238.78	68.45
46 82 83 00-1706 EA 2" Class 600 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S H6) .....	2,416.85	86.92
46 82 83 00-1707 EA 3" Class 600 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S H7) .....	3,514.67	110.96
46 82 83 00-1708 EA 4" Class 600 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S H8) .....	7,400.05	186.24
46 82 83 00-1709 EA 6" Class 600 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S H9) .....	9,939.24	235.52
46 82 83 00-1710 EA 8" Class 600 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S H10) .....	13,841.41	298.00
46 82 83 00-1711 EA DN15/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240S FD2).....	1,165.79	9.78
46 82 83 00-1712 EA DN20/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240S FD3).....	1,324.25	13.04
46 82 83 00-1713 EA DN25/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240S FD4).....	1,352.65	16.30
46 82 83 00-1714 EA DN40/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240S FD5).....	1,680.67	28.03
46 82 83 00-1715 EA DN50/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240S FD6).....	1,888.30	31.29
46 82 83 00-1716 EA DN80/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240S FD7).....	2,459.85	36.50
46 82 83 00-1717 EA DN100/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240S FD8).....	3,028.19	54.90
46 82 83 00-1718 EA DN150/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240S FD9).....	5,591.80	68.45
46 82 83 00-1719 EA DN200/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240S FD10).....	8,439.83	86.92
46 82 83 00-1720 EA DN15/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240S GD2).....	1,781.10	9.78
46 82 83 00-1721 EA DN20/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240S GD3).....	1,938.46	13.04
46 82 83 00-1722 EA DN25/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240S GD4).....	2,047.74	16.30
46 82 83 00-1723 EA DN40/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240S GD5).....	2,369.20	28.03
46 82 83 00-1724 EA DN50/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240S GD6).....	2,763.71	31.29
46 82 83 00-1725 EA DN80/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240S GD7).....	3,613.95	36.50
46 82 83 00-1726 EA DN100/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240S GD8).....	4,346.23	54.90
46 82 83 00-1727 EA DN150/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240S GD9).....	7,462.85	68.45
46 82 83 00-1728 EA DN200/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240S GD10).....	12,367.71	86.92
46 82 83 00-1729 EA DN15/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240S HD2).....	2,233.56	9.78
46 82 83 00-1730 EA DN20/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240S HD3).....	2,496.93	13.04
46 82 83 00-1731 EA DN25/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240S HD4).....	2,681.62	16.30
46 82 83 00-1732 EA DN40/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240S HD5).....	3,126.58	28.03
46 82 83 00-1733 EA DN50/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240S HD6).....	3,216.17	31.29
46 82 83 00-1734 EA DN80/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240S HD7).....	4,631.44	36.50
46 82 83 00-1735 EA DN100/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240S HD8).....	6,399.79	54.90
46 82 83 00-1736 EA DN150/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240S HD9).....	8,225.69	68.45
46 82 83 00-1737 EA DN200/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240S HD10).....	15,036.57	86.92
46 82 83 00-1738 EA 1/2" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240S W2).....	963.70	31.29
46 82 83 00-1739 EA 3/4" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240S W3).....	970.22	36.50
46 82 83 00-1740 EA 1" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240S W4).....	719.99	54.90
46 82 83 00-1741 EA 1-1/2" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240S W5).....	892.33	68.45
46 82 83 00-1742 EA 2" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240S W6).....	1,070.40	86.92
46 82 83 00-1743 EA 3" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240S W7).....	1,321.22	110.96
46 82 83 00-1744 EA 4" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240S W8).....	1,926.81	186.24
46 82 83 00-1745 EA 1" Class 150 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S FC4).....	993.21	54.90
46 82 83 00-1746 EA 1-1/2" Class 150 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S FC5).....	1,010.36	68.45
46 82 83 00-1747 EA 2" Class 150 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S FC6).....	1,114.12	86.92
46 82 83 00-1748 EA 3" Class 150 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S FC7).....	1,596.63	110.96
46 82 83 00-1749 EA 4" Class 150 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S FC8).....	2,092.93	186.24
46 82 83 00-1750 EA 6" Class 150 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S FC9).....	4,144.69	235.52
46 82 83 00-1751 EA 8" Class 150 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S FC10).....	6,533.19	298.00
46 82 83 00-1752 EA 1" Class 300 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S GC4).....	994.31	54.90
46 82 83 00-1753 EA 1-1/2" Class 300 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S GC5).....	1,011.46	68.45
46 82 83 00-1754 EA 2" Class 300 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S GC6).....	1,113.03	86.92
46 82 83 00-1755 EA 3" Class 300 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S GC7).....	1,605.37	110.96
46 82 83 00-1756 EA 4" Class 300 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S GC8).....	2,092.93	186.24
46 82 83 00-1757 EA 6" Class 300 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S GC9).....	5,298.88	235.52
46 82 83 00-1758 EA 8" Class 300 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S GC10).....	6,533.19	298.00
46 82 83 00-1759 EA 1" Class 600 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S HC4).....	1,371.36	54.90
46 82 83 00-1760 EA 1-1/2" Class 600 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S HC5).....	1,543.70	68.45
46 82 83 00-1761 EA 2" Class 600 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S HC6).....	1,721.77	86.92
46 82 83 00-1762 EA 3" Class 600 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S HC7).....	2,366.03	110.96
46 82 83 00-1763 EA 4" Class 600 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S HC8).....	3,466.70	186.24
46 82 83 00-1764 EA 6" Class 600 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S HC9).....	6,069.28	235.52
46 82 83 00-1765 EA 8" Class 600 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S HC10).....	7,841.39	298.00
46 82 83 00-1766 EA Remote Electronics Explosion Proof Enclosure (Sierra 240S E4 ( )).....	1,118.75	32.59
46 82 83 00-1767 EA Digital Display With Push Buttons Option (Sierra 240S DD).....	236.07	
46 82 83 00-1768 EA No Readout Display Option (Sierra 240S NR).....	234.97	
46 82 83 00-1769 EA 12-36 VDC Input Power (Sierra 240S PV1).....	546.45	
46 82 83 00-1770 EA 25 Watts, 100-240 VAC, 50/60 Hz Line Power (Sierra 240S PS).....	664.48	
46 82 83 00-1771 EA One Analog Output (4-20 mA), One Alarms, One Pulse, And MODBUS (Sierra 240S V4M).....	147.54	
46 82 83 00-1772 EA One Analog Output (4-20 mA), One Alarms, One Pulse, And BACNet (Sierra 240S V4B).....	327.87	
46 82 83 00-1773 EA Three Analog Outputs (4-20 mA), Three Alarms, One Pulse, HART (Sierra 240S V6H).....	521.31	
46 82 83 00-1774 EA Three Analog Outputs (4-20 mA), Three Alarms, One Pulse, MODBUS (Sierra 240S V6M).....	521.31	
46 82 83 00-1775 EA Three Analog Outputs (4-20 mA), Three Alarms, One Pulse, BACNet (Sierra 240S V6B).....	521.31	
46 82 83 00-1776 EA High Process Temperature -40°F To 750°F (Sierra 240S HT).....	1,110.39	
46 82 83 00-1777 EA Material Certificates (Sierra 240S MC).....	127.87	
46 82 83 00-1778 EA Pressure Test Certificate (Sierra 240S PT).....	63.39	
46 82 83 00-1779 EA Certificate Of Conformance (Sierra 240S CC).....	63.39	
46 82 83 00-1780 EA NACE Certification (Sierra 240S NC).....	127.87	
46 82 83 00-1781 EA Oxygen Cleaning Service (Sierra 240S O2C).....	709.29	
46 82 83 00-1782 EA 25' Armored Cable With Glands, Meter Only (Sierra 240S ARM25V).....	352.91	8.15
46 82 83 00-1783 EA 50' Armored Cable With Glands, Meter Only (Sierra 240S ARM50V).....	545.23	13.04
46 82 83 00-1784 EA 25' Armored Cable With Glands, Meter Only (Sierra 240S ARM25VTP).....	711.21	26.08



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1785 EA 50' Armored Cable With Glands, Meter only (Sierra 240S ARM50VTP).....	1,250.97	39.11
46 82 83 00-1786 EA 3/4" NPT To M20 Conversion Kit (Sierra 240S M20L).....	183.07	52.15
46 82 83 00-1787 EA 3/4" NPT To M20 Conversion Kit (Sierra 240S M20R).....	366.40	78.23
46 82 83 00-1788 Day Commissioning (Sierra 240S Commissioning).....	1,639.35	
46 82 83 00-1789 EA Hard Copy Instruction Manual (Sierra 240S IM).....	24.04	
<b>46 82 83 00-1790 InnovaMass® 241 Series</b> <small>(46 82 83 00-150B)</small>		
46 82 83 00-1791 EA 2" Male NPT With Welded On Retractor, ANSI Packing Gland (Sierra 241 PMR).....	2,157.01	86.92
Note: Must be used for process pressures 600 PSIG or greater but can be used for lower process pressures.		
46 82 83 00-1792 EA 2" Male NPT With Retractor, Class 600 PSIG Pressure Rating (For LE), ANSI Packing Gland (Sierra 241 PMR-LE).....	3,529.38	86.92
46 82 83 00-1793 EA 2" Class 150 Flange, 50 PSIG Maximum Process Pressure Without Removable Retractor, ANSI Packing Gland (Sierra 241 PF).....	1,204.17	86.92
Note: Packing gland itself rated to 600 PSIG process pressure. Packing gland live insertion/removal up to 600 PSIG must use a retractor (removable or welded on).		
46 82 83 00-1794 EA 2" Class 150 Flange With Retractor, ANSI Packing Gland (Sierra 241 PFR).....	2,392.22	86.92
46 82 83 00-1795 EA 2" Class 150 Flange With Retractor, ANSI Packing Gland (Sierra 241 PFR-LE).....	3,759.48	86.92
Note: For use with extended probe length (use LE option).		
46 82 83 00-1796 EA 2" Class 300 Flange, 50 PSIG Maximum Process Pressure Without Removable Retractor, ANSI Packing Gland (Sierra 241 PG).....	1,333.86	86.92
Note: Packing gland itself rated to 600 PSIG process pressure. Packing gland live insertion/removal up to 600 PSIG must use a retractor (removable or welded on).		
46 82 83 00-1797 EA 2" Class 300 Flange With Retractor, ANSI Packing Gland (Sierra 241 PGR).....	2,504.51	86.92
46 82 83 00-1798 EA 2" Class 300 Flange With Retractor, ANSI Packing Gland (Sierra 241 PGR-LE).....	3,887.42	86.92
Note: For use with extended probe length (use LE option).		
46 82 83 00-1799 EA 2" Class 600 Flange With Retractor, ANSI Packing Gland (Sierra 241 PHR).....	2,665.25	86.92
46 82 83 00-1800 EA 2" Class 600 Flange With Retractor, ANSI Packing Gland (Sierra 241 PHR-LE).....	4,043.43	86.92
Note: For use with extended probe length (use LE option).		
46 82 83 00-1801 EA Cleaned For O2 Service (Includes Certification) Option (Sierra 241 O2C).....	709.18	
Note: Meter must include O2C (oxygen cleaning) if meter to be used for oxygen service.		
46 82 83 00-1802 EA 25' Armored Cable With Glands (ATEX, IECEX) V Meter Only Adder Option (Sierra 241 ARM25V).....	352.53	8.15
46 82 83 00-1803 EA 50' Armored Cable With Glands (ATEX, IECEX) V Meter Only Adder Option (Sierra 241 ARM50V).....	544.95	13.04
46 82 83 00-1804 EA 25' Armored Cable With Glands (ATEX, IECEX) V Meter Only Adder Option (Sierra 241 ARM25VTP).....	681.88	8.15
46 82 83 00-1805 EA 50' Armored Cable With Glands (ATEX, IECEX) V Meter Only Adder Option (Sierra 241 ARM50VTP).....	1,204.79	13.04
46 82 83 00-1806 EA 3/4" NPT To M20 Conversion Kit, Local Electronics (E2) Option (Sierra 241 M20L).....	102.32	7.04
46 82 83 00-1807 EA 3/4" NPT To M20 Conversion Kit, Remote Electronics (E4) Option (Sierra 241 M20R).....	240.03	7.04
46 82 83 00-1808 EA Additional Instruction Manual (Sierra 241-IM).....	26.00	
46 82 83 00-1809 EA Removable Retractor Transportable (Sierra 241-RR).....	1,619.56	
Note: Only available with packing gland connections PM, PF, and PG.		
46 82 83 00-1810 EA Removable Retractor Transportable For Extended Length Probes (Sierra 241-LERR).....	3,359.38	
Note: Only available with packing gland connections PM, PF, and PG. For use with LE only.		
46 82 83 00-1811 EA 2" Female NPT, Full Port Bronze Gate Valve (Sierra 241-RK1).....	543.89	32.59
Note: Mounting kit includes two 2" x 3" nipples, one 2" female NPT mounting adapter and one pipe coupler. Class 125 maximum pressure: 200 PSIG at 100 Degree F; maximum temperature: 400 Degree F at 125 PSIG.		
46 82 83 00-1812 EA 2" Class 150 Flange, Full Port Carbon Steel Gate Valve (Sierra 241-RK2).....	1,339.13	86.92
Note: Use mounting accessories for pipe adapters. Class 150 maximum pressure: 285 PSIG at 100 Degree F. Maximum temperature: 800 Degree F at 80 PSIG.		
46 82 83 00-1813 EA 2" Class 150 Flange, Full Port Stainless Steel Gate Valve (Sierra 241-RK20).....	1,606.95	86.92
Note: Use mounting accessories for pipe adapters. Class 150 maximum pressure: 285 PSIG at 100 Degree F. Maximum temperature: 800 Degree F at 80 PSIG.		
46 82 83 00-1814 EA 2" Class 300 Flange, Full Port Carbon Steel Gate Valve (Sierra 241-RK3).....	1,631.20	86.92
Note: Use mounting accessories for pipe adapters. Class 300 maximum pressure: 740 PSIG at 100 Degree F. Maximum temperature: 800 Degree F at 410 PSIG.		
46 82 83 00-1815 EA 2" Class 300 Flange, Full Port Stainless Steel Gate Valve (Sierra 241-RK30).....	2,749.92	86.92
Note: Use mounting accessories for pipe adapters. Class 300 maximum pressure: 740 PSIG at 100 Degree F. Maximum temperature: 800 Degree F at 410 PSIG.		
46 82 83 00-1816 EA 2" Class 600 Flange, Full Port Carbon Steel Gate Valve (Sierra 241-RK4).....	3,131.61	86.92
Note: Use mounting accessories for pipe adapters. Maximum Pressure: 1480 PSIG at 100 Degree F. Maximum temperature: 800 Degree F at 825 PSIG.		
46 82 83 00-1817 EA 2" Class 600 Flange, Full Port Stainless Steel Gate Valve (Sierra 241-RK40).....	5,829.82	86.92
Note: Use mounting accessories for pipe adapters. Class 600 Maximum Pressure: 1480 PSIG at 100 Degree F. Maximum temperature: 800 Degree F at 825 PSIG.		
46 82 83 00-1818 EA 2" Female NPT, Full Port 316 Stainless Steel Gate Valve (Sierra 241-RK10).....	1,497.07	32.59
Note: Mounting kit includes: two 2" x 3" nipples, one 2" female NPT mounting adapter and one pipe coupler. Class 200 Maximum Pressure: 275 PSIG at 100 Degree F. Maximum temperature: 350 Degree F at 200 PSIG.		
46 82 83 00-1819 EA 2" Female NPT, Full Port Carbon Steel Valve (Sierra 241-RK11).....	1,832.59	86.92
Note: Mounting kit includes: two 2" x 3" nipples, one 2" female NPT mounting adaptor and one pipe coupler. Class 800 Maximum Pressure: 1975 PSIG at 100 Degree F. Maximum temperature 800 Degree F at 1100 PSIG.		
46 82 83 00-1820 EA 2" Female NPT, Full Port 316 Stainless Steel Gate Valve (Sierra 241-RK110).....	5,521.94	86.92
Note: Mounting kit includes: two 2" x 3" nipples, one 2" female NPT mounting adapter and one pipe coupler. Class 800 Maximum Pressure: 1975 PSIG at 100 Degree F. Maximum temperature: 800 Degree F at 1100 PSIG.		
46 82 83 00-1821 EA 2" Female NPT Carbon Steel Mounting Adapter (Sierra 241-MA( )).....	179.29	86.92
Note: Specify pipe O.D. in parenthesis. For use with CM or PM process connections.		
46 82 83 00-1822 EA 2" Female NPT Stainless Steel Mounting Adapter (Sierra 241-MAS( )).....	219.36	86.92
Note: Specify pipe O.D. in parenthesis. For use with CM or PM process connections.		
46 82 83 00-1823 EA 2" Class 150 Flange Carbon Steel Mounting Adapter (Sierra 241-FMA).....	290.01	86.92
Note: For use with 241-RK2 gate valve, CF or PF process connections. Weldneck flange welded to 2" pipe adapter.		
46 82 83 00-1824 EA 2" Class 150 Flange Stainless Steel Mounting Adapter (Sierra 241-FMAS( )).....	338.51	86.92
Note: For use with 241-RK2 gate valve, CF or PF process connections. Weldneck flange welded to 2" pipe adapter.		

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1825	EA		2" Class 300 Flange Carbon Steel Mounting Adapter (Sierra 241-GMA( )) ..... Note: For use with 241-RK3 gate valve, CG or PG process connections. Weldneck flange welded to 2" pipe adapter.	324.80	86.92
46 82 83 00-1826	EA		2" Class 300 Flange Stainless Steel Mounting Adapter (Sierra 241-GMAS( )) ..... Note: For use with 241-RK3 gate valve, CG or PG process connections. Weldneck flange welded to 2" pipe adapter.	421.81	86.92
46 82 83 00-1827	EA		2" Class 600 Flange Carbon Steel Mounting Adapter (Sierra 241-HMA( )) ..... Note: For use with 241-RK4 gate valve, PHR process connections. Weldneck flange welded to 2" pipe adapter.	344.84	86.92
46 82 83 00-1828	EA		2" Class 600 Flange Stainless Steel Mounting Adapter (Sierra 241-HMAS( )) ..... Note: For use with 241-RK4 gate valve, PHR process connections. Weldneck flange welded to 2" pipe adapter.	463.98	86.92
<b>46 82 83 00-1829</b>			<b>InnovaMass® 241i Series</b> <small>(46 82 83 00-1508)</small>		
46 82 83 00-1830	EA		Three Analog Outputs (4-20 mA), One Alarm, One Pulse, Profibus DP With External M12 Connection (Sierra 241i V6DP1) .....	387.98	
46 82 83 00-1831	EA		Three Analog Outputs (4-20 mA), One Alarm, One Pulse, Profibus DP With Terminal Block Connection (Sierra 241i V6DP2) .....	478.70	
46 82 83 00-1832	EA		Three Analog Outputs (4-20 mA), One Alarm, One Pulse, Foundation Fieldbus With Terminal Block Connections (Sierra 241i V6FF) .....	478.70	
46 82 83 00-1833	EA		2" Class 600 lb Flange, Packing Gland (Sierra 241i PH) .....	1,492.02	86.70
46 82 83 00-1834	EA		DN50/PN16 Flange, Compression Fitting (Sierra 241i CFD) .....	1,060.61	
46 82 83 00-1835	EA		DN50/PN40 Flange, Compression Fitting (Sierra 241i CGD) .....	1,283.09	
46 82 83 00-1836	EA		DN50/PN64 Flange, Compression Fitting (Sierra 241i CHD) .....	1,474.99	
46 82 83 00-1837	EA		DN50/PN16 Flange, Packing Gland (Sierra 241i PFD) .....	1,158.83	86.70
46 82 83 00-1838	EA		DN50/PN40 Flange, Packing Gland (Sierra 241i PGD) .....	1,461.66	86.70
46 82 83 00-1839	EA		DN50/PN64 Flange, Packing Gland (Sierra 241i PHD) .....	1,998.13	86.70
46 82 83 00-1840	EA		Liquid, Gas And Steam InnovaMass® Insertion Multiparameter Mass Vortex Flow Meter (Sierra 241i V) ..... Note: No cost options include: Standard probe - Code LS; Compact Probe Available Only For Connections CM, CF, CG And CH - Code LC; Explosion Proof Enclosure Mounted On Probe, Includes FMC, IECEx And ATEX, Class 1, Division 1 - Code E2; 12-36 VDC Loop Powered (Only Available With V4LH) - Code PV1L; One Analog Output (4-20 mA), One Pulse, HART, Loop Powered - Code V4LH; One Analog Output (4-20 mA), One Alarm, One Pulse And HART Communication, Not Loop Powered - Code V4H; Cryogenic Process Temperature, -330 to -40 Degree F - Code CT; Standard Process Temperature -40 to 500 Degree F - Code ST; Maximum 30 PSIG, Proof 60 PSIG - Code MP1; Maximum 100 PSIG, Proof 200 PSIG - Code MP2; Maximum 300 PSIG, Proof 600 PSIG - Code MP3; Maximum 500 PSIG, Proof 1000 PSIG - Code MP4; Maximum 1500 PSIG, Proof 2500 PSIG - Code MP5.	2,394.86	65.19
46 82 83 00-1841	EA		Velocity And Temperature Sensors InnovaMass® Insertion Multiparameter Mass Vortex Flow Meter (Sierra 241i VT) ..... Note: Mass measurement with temperature compensation. No cost options include: Standard probe - Code LS; Compact Probe Available Only For Connections CM, CF, CG And CH - Code LC; Explosion Proof Enclosure Mounted On Probe, Includes FMC, IECEx And ATEX, Class 1, Division 1 - Code E2; 12-36 VDC Loop Powered (Only Available With V4LH) - Code PV1L; One Analog Output (4-20 mA), One Pulse, HART, Loop Powered - Code V4LH; One Analog Output (4-20 mA), One Alarm, One Pulse And HART Communication, Not Loop Powered - Code V4H; Cryogenic Process Temperature, -330 to -40 Degree F - Code CT; Standard Process Temperature -40 to 500 Degree F - Code ST; No Pressure Sensor- Code MP0; Maximum 30 PSIG, Proof 60 PSIG - Code MP1; Maximum 100 PSIG, Proof 200 PSIG - Code MP2; Maximum 300 PSIG, Proof 600 PSIG - Code MP3; Maximum 500 PSIG, Proof 1000 PSIG - Code MP4; Maximum 1500 PSIG, Proof 2500 PSIG - Code MP5.	4,359.20	65.19
46 82 83 00-1842	EA		Velocity, Temperature And Pressure Sensors InnovaMass® Insertion Multiparameter Mass Vortex Flow Meter (Sierra 241i VTP) ..... Note: Mass measurement with pressure and temperature compensation and automatic flow profile compensation by calculating the Reynolds number. No cost options include: Standard probe - Code LS; Compact Probe Available Only For Connections CM, CF, CG And CH - Code LC; Explosion Proof Enclosure Mounted On Probe, Includes FMC, IECEx And ATEX, Class 1, Division 1 - Code E2; 12-36 VDC Loop Powered (Only Available With V4LH) - Code PV1L; One Analog Output (4-20 mA), One Pulse, HART, Loop Powered - Code V4LH; One Analog Output (4-20 mA), One Alarm, One Pulse And HART Communication, Not Loop Powered - Code V4H; Standard Process Temperature -40 to 500 Degree F - Code ST; Maximum 30 PSIG, Proof 60 PSIG - Code MP1; Maximum 100 PSIG, Proof 200 PSIG - Code MP2; Maximum 300 PSIG, Proof 600 PSIG - Code MP3; Maximum 500 PSIG, Proof 1000 PSIG - Code MP4; Maximum 1500 PSIG, Proof 2500 PSIG - Code MP5.	4,811.54	65.19
46 82 83 00-1843	EA		Velocity, Temperature And Pressure Sensors InnovaMass® Insertion Multiparameter Mass Vortex Flow Meter (Sierra 241i VTEP) ..... Note: Mass measurement with pressure temperature compensation. Excludes pressure sensor. Unit has a 4-20 mA input for an external pressure sensor. No cost options include: Standard probe - Code LS; Compact Probe Available Only For Connections CM, CF, CG And CH - Code LC; Explosion Proof Enclosure Mounted On Probe, Includes FMC, IECEx And ATEX, Class 1, Division 1 - Code E2; 12-36 VDC Loop Powered (Only Available With V4LH) - Code PV1L; One Analog Output (4-20 mA), One Pulse, HART, Loop Powered - Code V4LH; One Analog Output (4-20 mA), One Alarm, One Pulse And HART Communication, Not Loop Powered - Code V4H; Standard Process Temperature -40 to 500 Degree F - Code ST; Maximum 30 PSIG, Proof 60 PSIG - Code MP1; Maximum 100 PSIG, Proof 200 PSIG - Code MP2; Maximum 300 PSIG, Proof 600 PSIG - Code MP3; Maximum 500 PSIG, Proof 1000 PSIG - Code MP4; Maximum 1500 PSIG, Proof 2500 PSIG - Code MP5	6,168.13	65.19
46 82 83 00-1844	EA		VT Meter Plus Energy Meter Package InnovaMass® Insertion Multiparameter Mass Vortex Flow Meter (Sierra 241i VT EMS) ..... Note: Calculates energy in BTU or kJoules. Based on flow and temperature measurement (Class A RTD) from meter and secondary RTD to provide delta temperature. Excludes remote RTD. No cost options include: Standard probe - Code LS; Compact Probe Available Only For Connections CM, CF, CG And CH - Code LC; Explosion Proof Enclosure Mounted On Probe, Includes FMC, IECEx And ATEX, Class 1, Division 1 - Code E2; 12-36 VDC Loop Powered (Only Available With V4LH) - Code PV1L; One Analog Output (4-20 mA), One Pulse, HART, Loop Powered - Code V4LH; One Analog Output (4-20 mA), One Alarm, One Pulse And HART Communication, Not Loop Powered - Code V4H; Standard Process Temperature -40 to 500 Degree F - Code ST; Maximum 30 PSIG, Proof 60 PSIG - Code MP1; Maximum 100 PSIG, Proof 200 PSIG - Code MP2; Maximum 300 PSIG, Proof 600 PSIG - Code MP3; Maximum 500 PSIG, Proof 1000 PSIG - Code MP4; Maximum 1500 PSIG, Proof 2500 PSIG - Code MP5	6,168.13	65.19
46 82 83 00-1845	EA		VT Meter Plus Energy Meter Package InnovaMass® Insertion Multiparameter Mass Vortex Flow Meter (Sierra 241i VTP EMS) ..... Note: Calculates energy in BTU or kJoules. Based on flow and temperature measurement (Class A RTD) from meter and secondary RTD to provide delta temperature. Excludes remote RTD.	6,483.01	65.19



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1846 EA Extended Probe Length (Sierra 241i LE).....	308.71	
Note: Consult factory if for PMR, PFR, PGR or PHR.		
46 82 83 00-1847 EA Remote Electronics Explosion Proof Enclosure (Sierra 241i E4( )).....	841.23	32.59
Note: Specify cable length in parentheses, maximum 50'. Includes FMC, ATEX, IECEX and Cable glands. Class 1, Division 1.		
46 82 83 00-1848 EA Digital Display With Pushbuttons Option (Sierra 241i DD).....	221.42	
46 82 83 00-1849 EA No Readout Display Option (Sierra 241i NR).....	235.25	
Note: Display highly recommended for setup/diagnostics.		
46 82 83 00-1850 EA 12-36 VDC Input Power (Sierra 241i PV1) .....	546.07	
46 82 83 00-1851 EA 100-240 VAC, 50/60 Hz Line Power, 25 Watts Input Power (Sierra 241i PS).....	520.87	
46 82 83 00-1852 EA One Analog Output (4-20 mA), One Alarms, One Pulse, And MODBUS (Sierra 241i V4M).....	478.70	
46 82 83 00-1853 EA One Analog Output (4-20 mA), One Alarms, One Pulse, And BACNet (Sierra 241 V4B).....	327.87	
46 82 83 00-1854 EA Three Analog Outputs (4-20 mA), Three Alarms, One Pulse, HART (Sierra 241i V6H) .....	478.70	
46 82 83 00-1855 EA Three Analog Outputs (4-20 mA), Three Alarms, One Pulse, MODBUS (Sierra 241i V6M) .....	478.70	
46 82 83 00-1856 EA Three Analog Outputs (4-20 mA), Three Alarms, One Pulse, BACNet (Sierra 241i V6B) .....	521.25	
46 82 83 00-1857 EA High Process Temperature, -40 To 750 Degree F (Sierra 241i HT) .....	1,110.81	
46 82 83 00-1858 EA 2" Male NPT, Class 600, ANSI Compression Fitting (Sierra 241i CM) .....	460.82	86.92
46 82 83 00-1859 EA 2" Class 150 Flange, ANSI Compression Fitting (Sierra 241i CF).....	752.89	86.92
46 82 83 00-1860 EA 2" Class 300 Flange, ANSI Compression Fitting (Sierra 241i CG) .....	913.16	86.92
46 82 83 00-1861 EA 2" Class 600 Flange, ANSI Compression Fitting (Sierra 241i CH).....	1,105.06	86.92
46 82 83 00-1862 EA 2" Male NPT, 50 PSIG Maximum Process Pressure For Live Insertion/Removal Without A Retractor, ANSI Packing Gland (Sierra 241i PM) .....	928.97	86.92
Note: Packing gland itself rated to 600 PSIG process pressure. Packing gland live insertion/removal up to 600 PSIG must use a retractor (removable or welded on).		
46 82 83 00-1863 EA Material Certificates Option (Sierra 241i MC) .....	156.05	
Note: US Mill certifications on all wetted parts.		
46 82 83 00-1864 EA Pressure Test Certificate Option (Sierra 241i PT).....	78.03	
46 82 83 00-1865 EA Certificate Of Conformance Option (Sierra 241i CC).....	78.03	
46 82 83 00-1866 EA NACE Certificate Option (Sierra 241i NC) .....	156.05	
46 82 83 00-1867 Day Commissioning (Sierra 241i Commissioning) .....	1,581.60	
46 82 83 00-1868 EA Hard Copy Instruction Manual (Sierra 241i IM).....	46.39	
<b>46 82 83 00-1869 InnovaMass® 241S Series (46 82 83 00-1508)</b>		
46 82 83 00-1870 EA Liquid, Gas And Steam InnovaMass Insertion Multiparameter Mass Vortex Flow Meter (Sierra 241S V).....	3,108.85	65.19
46 82 83 00-1871 EA Velocity And Temperature Sensors InnovaMass Insertion Multiparameter Mass Vortex Flow Meter (Sierra 241S VT).....	5,057.49	65.19
46 82 83 00-1872 EA Velocity, Temperature And Pressure Sensors InnovaMass Insertion Multiparameter Mass Vortex Flow Meter (Sierra 241S VTP) .....	5,627.98	65.19
46 82 83 00-1873 EA Velocity, Temperature And Pressure Sensors InnovaMass Insertion Multiparameter Mass Vortex Flow Meter (Sierra 241S VTEP).....	5,512.13	65.19
46 82 83 00-1874 EA VT Meter Plus Energy Meter Package (Sierra 241S VT MS).....	5,512.13	65.19
46 82 83 00-1875 EA VTP Meter Plus Energy Meter Package (Sierra 241S VTP EMS) .....	6,045.47	65.19
46 82 83 00-1876 EA Extended Probe Length (Sierra 241S LE) .....	308.20	
46 82 83 00-1877 EA Remote Electronics Explosion Proof Enclosure (Sierra 241S E4( )).....	1,118.75	32.59
46 82 83 00-1878 EA Digital Display With Pushbuttons Option (Sierra 241S DD) .....	236.07	
46 82 83 00-1879 EA No Readout Display Option (Sierra 241S NR).....	234.97	
46 82 83 00-1880 EA 12-36 VDC Input Power (Sierra 241S PV1) .....	546.45	
46 82 83 00-1881 EA 100-240 VAC, 50/60 Hz Line Power, 25 Watts Input Power (Sierra 241S PS).....	664.48	
46 82 83 00-1882 EA One Analog Output (4-20 mA), One Alarms, One Pulse, And MODBUS (Sierra 241S V4M) .....	147.54	
46 82 83 00-1883 EA One Analog Output (4-20 mA), One Alarms, One Pulse, And BACNet (Sierra 241S V4B).....	327.87	
46 82 83 00-1884 EA Three Analog Outputs (4-20 mA), Three Alarms, One Pulse, HART (Sierra 241S V6H) .....	521.31	
46 82 83 00-1885 EA Three Analog Outputs (4-20 mA), Three Alarms, One Pulse, MODBUS (Sierra 241S V6M) .....	521.31	
46 82 83 00-1886 EA Three Analog Outputs (4-20 mA), Three Alarms, One Pulse, BACNet (Sierra 241S V6B).....	521.31	
46 82 83 00-1887 EA High Process Temperature -40°F To 750°F (Sierra 241S HT) .....	1,110.39	
46 82 83 00-1888 EA 2" Male NPT, Class 600, ANSI Compression Fitting (Sierra 241S CM).....	393.90	86.92
46 82 83 00-1889 EA 2" Class 150 Flange, ANSI Compression Fitting (Sierra 241S CF).....	629.96	86.92
46 82 83 00-1890 EA 2" Class 300 Flange, ANSI Compression Fitting (Sierra 241S CG) .....	760.02	86.92
46 82 83 00-1891 EA 2" Class 600 Flange, ANSI Compression Fitting (Sierra 241S CH).....	915.21	86.92
46 82 83 00-1892 EA 2" Male NPT, 50 PSIG Maximum Process Pressure For Live Insertion/Removal Without A Retractor, ANSI Packing Gland (Sierra 241S PM).....	773.13	86.92
46 82 83 00-1893 EA 2" Male NPT, 600 PSIG With Welded On Retractor, Packing Gland (Sierra 241S PMR).....	2,156.74	86.92
46 82 83 00-1894 EA 2" Male NPT, Class 600 PSIG With Retractor, Packing Gland For LE (Sierra 241S PMR-LE).....	3,529.43	86.92
46 82 83 00-1895 EA 2" Class 150 Flange, 50 PSIG Maximum Process Pressure For Live Insertion/Removal Without A Retractor, ANSI Packing Gland (Sierra 241S PF) .....	996.08	86.92
46 82 83 00-1896 EA 2" Class 150 Flange, Packing Gland With Retractor (Sierra 241S PFR) .....	2,391.72	86.92
46 82 83 00-1897 EA 2" Class 150 Flange, Packing Gland With Retractor For Use With Extended Probe Length (Sierra 241S PFR LE) .....	3,758.94	86.92
46 82 83 00-1898 EA 2" Class 300 Flange, 50 PSIG Maximum Process Pressure For Live Insertion/Removal Without A Retractor, ANSI Packing Gland (Sierra 241S PG).....	1,101.00	86.92
46 82 83 00-1899 EA 2" Class 300 Flange With Retractor, ANSI Packing Gland (Sierra 241S PGR) .....	2,504.29	86.92
46 82 83 00-1900 EA 2" Class 300 Flange With Retractor, Packing Gland For Extended Probe Length (Sierra 241S PGR-LE) .....	3,887.90	86.92
46 82 83 00-1901 EA 2" Class 600 Flange With Retractor, ANSI Packing Gland (Sierra 241S PHR) .....	2,664.94	86.92
46 82 83 00-1902 EA 2" Class 600 Flange With Retractor, ANSI Packing Gland For Use With Extended Probe Length (Sierra 241S PHR-LE) .....	4,043.09	86.92
46 82 83 00-1903 EA DN50/PN16 Flange, Compression Fitting (Sierra 241S CFD) .....	958.93	86.92
46 82 83 00-1904 EA DN50/PN40 Flange, Compression Fitting (Sierra 241S CGD).....	1,139.25	86.92
46 82 83 00-1905 EA DN50/PN64 Flange, Compression Fitting (Sierra 241S CHD) .....	1,294.45	86.92
46 82 83 00-1906 EA DN50/PN16 Flange, 50 PSIG Maximum Process Pressure Without Removable Retractor, Packing Gland (Sierra 241S PFD).....	1,306.47	86.92
46 82 83 00-1907 EA DN50/PN16 Flange With Retractor, Packing Gland (Sierra 241S PFDR).....	2,634.34	86.92
46 82 83 00-1908 EA DN50/PN16 Flange With Retractor, Packing Gland For Extended Probe Length (Sierra 241S PFDR-LE) .....	3,955.66	86.92



**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1909	EA		DN50/PN40 Flange, 50 PSIG Maximum Process Pressure Without Removable Retractor, Packing Gland (241S PGD).....	1,461.66	86.92
46 82 83 00-1910	EA		DN50/PN40 Flange With Retractor, Packing Gland (Sierra 241S PGDR).....	2,808.11	86.92
46 82 83 00-1911	EA		DN50/PN40 Flange With Retractor, Packing Gland For Extended Probe Length (Sierra 241S PGDR-LE).....	4,123.96	86.92
46 82 83 00-1912	EA		DN50/PN64 Flange With Retractor, Packing Gland (Sierra 241S PHDR).....	2,951.28	86.92
46 82 83 00-1913	EA		DN50/PN64 Flange With Retractor, Packing Gland For Extended Probe Length (Sierra 241S PHDR-LE).....	4,267.13	86.92
46 82 83 00-1914	EA		Material Certificates (Sierra 241S MC).....	127.87	
46 82 83 00-1915	EA		Pressure Test Certificate (Sierra 241S PT).....	63.39	
46 82 83 00-1916	EA		Certificate Of Conformance (Sierra 241S CC).....	63.39	
46 82 83 00-1917	EA		NACE Certification (Sierra 241S NC).....	127.87	
46 82 83 00-1918	EA		Oxygen Cleaning Service (Sierra 241S O2C).....	709.29	
46 82 83 00-1919	EA		25' Armored Cable With Glands, Meter Only (Sierra 241S ARM25V).....	352.91	8.15
46 82 83 00-1920	EA		50' Armored Cable With Glands, Meter Only (Sierra 241S ARM50V).....	545.23	13.04
46 82 83 00-1921	EA		25' Armored Cable With Glands, Meter Only (Sierra 241S ARM25VTP).....	711.21	26.08
46 82 83 00-1922	EA		50' Armored Cable With Glands, Meter Only (Sierra 241S ARM50VTP).....	1,250.97	39.11
46 82 83 00-1923	EA		3/4" NPT To M20 Conversion Kit (Sierra 241S M20L).....	183.07	52.15
46 82 83 00-1924	EA		3/4" NPT To M20 Conversion Kit (Sierra 241S M20R).....	366.40	78.23
46 82 83 00-1925	EA		Commissioning (Sierra 241S Commissioning).....	1,639.35	
46 82 83 00-1926	EA		Removable Retractor Transportable (Sierra 241S RR).....	2,294.00	
46 82 83 00-1927	EA		Removable Retractor Transportable For Extended Length Probes (Sierra 241S LERR).....	3,359.57	
46 82 83 00-1928	EA		2" Female NPT, Full Port Bronze Gate Valve With Mounting Kit (Sierra 241S RK1).....	569.02	32.59
46 82 83 00-1929	EA		2" Class 150 Flange, Full Port Carbon Steel Gate Valve (Sierra 241S RK2).....	1,412.48	86.92
46 82 83 00-1930	EA		2" Class 150 Flange, Full Port Stainless Steel Gate Valve (Sierra 241S RK20).....	2,140.35	86.92
46 82 83 00-1931	EA		2" Class 300 Flange, Full Port Carbon Steel Gate Valve (Sierra 241S RK3).....	1,709.75	86.92
46 82 83 00-1932	EA		2" Class 300 Flange, Full Port Stainless Steel Gate Valve (Sierra 241S RK30).....	2,907.57	86.92
46 82 83 00-1933	EA		2" Class 600 Flange, Full Port Carbon Steel Gate Valve (Sierra 241S RK4).....	3,285.71	86.92
46 82 83 00-1934	EA		2" Class 600 Flange, Full Port Stainless Steel Gate Valve (Sierra 241S RK40).....	6,172.06	86.92
46 82 83 00-1935	EA		2" Female NPT, Full Port 316 Stainless Steel Gate Valve With Mounting Kit (Sierra 241S RK10).....	1,578.86	32.59
46 82 83 00-1936	EA		2" Female NPT, Full Port Carbon steel valve With Mounting Kit (Sierra 241S RK11).....	1,920.68	86.92
46 82 83 00-1937	EA		2" Female NPT, Full Port 316 Stainless Steel Gate Valve With Mounting Kit (Sierra 241S RK110).....	5,845.28	86.92
<b>46 82 83 00-1938</b>			<b>InnovaSwitch™ 615 Series</b> <small>(46 82 83 00-1508)</small>		
46 82 83 00-1939	EA		InnovaSwitch™ Level Switch (Sierra 615-LS32)..... Note: No cost options include: Non-Explosion Proof Switch - Code NX; 3/4" MNPT - Code 75; 316 Stainless Steel - Code S6; 2" Insertion Length - Code 2; 110 VAC - Code 110; 220 VAC - Code 220; Local Electronics - Code LE.	1,340.46	65.19
46 82 83 00-1940	EA		InnovaSwitch™ Flow Switch (Sierra 615-FS42)..... Note: No cost options include: Non-Explosion Proof Switch - Code NX; 3/4" MNPT - Code 75; 316 Stainless Steel - Code S6; 2" Insertion Length - Code 2; 110 VAC - Code 110; 220 VAC - Code 220; Local Electronics - Code LE.	1,472.26	65.19
46 82 83 00-1941	EA		CSA Approved (Sierra 615 CS ).....	72.75	
46 82 83 00-1942	EA		1-1/2" Sanitary With 3A Stamp Mount (Sierra 615 3A1).....	427.16	23.80
46 82 83 00-1943	EA		1/2" MNPT Mount (Sierra 615 50).....	144.78	13.89
46 82 83 00-1944	EA		1" MNPT Mount (Sierra 615 100).....	159.10	21.05
46 82 83 00-1945	EA		1" Class 150 Stainless Steel Raised Face Flange Mount (Sierra 615 RA1).....	375.45	54.90
46 82 83 00-1946	EA		2" Class 150 Stainless Steel Raised Face Flange Mount (Sierra 615 RA2).....	488.23	86.92
46 82 83 00-1947	EA		1" Class 300 Stainless Steel Raised Face Flange Mount (Sierra 615 RB1).....	462.97	54.90
46 82 83 00-1948	EA		2" Class 300 Stainless Steel Raised Face Flange Mount (Sierra 615 RB2).....	560.99	86.92
46 82 83 00-1949	EA		Low Flow Sensor Mount (Sierra 615 LFS).....	1,159.66	32.59
46 82 83 00-1950	EA		304 Stainless Steel Material Option (Sierra 615 S4 ).....	364.82	
46 82 83 00-1951	EA		304L Stainless Steel Material Option (Sierra 615 SL).....	364.82	
46 82 83 00-1952	EA		Hastalloy® C Material Option (Sierra 615 HC).....	700.12	
46 82 83 00-1953	EA		Iconel 600 Material Option (Sierra 615 IO).....	598.90	
46 82 83 00-1954	EA		Monel Material Option (Sierra 615 MN).....	598.90	
46 82 83 00-1955	EA		Alloy 20 Material Option (Sierra 615 A2).....	598.90	
46 82 83 00-1956	EA		Special Probe Insertion Base Cost (Sierra 615 xxx.xx)..... Note: 1/2" to 120" in 1/4" increments. Use task for Special Probe Insertion Length Cost in addition to this task.	175.03	
46 82 83 00-1957	IN		Special Probe Insertion Length Cost (Sierra 615 xxx.xx)..... Note: Use task for Special Probe Insertion Length Base Cost in addition to this task.	10.54	
46 82 83 00-1958	EA		24 VDC Power Input (Sierra 615 24D).....	131.80	
46 82 83 00-1959	EA		Remote Electronics (25' Of Cable) (Sierra 615 RE)..... Note: MT and HT option must be RE. RE adder is included in the MT and HT price.	511.38	
46 82 83 00-1960	EA		Potted Cable (Not Explosion Proof) (Sierra 615 PC).....	117.04	
46 82 83 00-1961	EA		Calibration Option (Sierra 615 CB)..... Note: Air and water only, all others consult factory.	219.32	
46 82 83 00-1962	EA		Extended Neck Option (Sierra 615 EN).....	134.96	
46 82 83 00-1963	EA		Explosion Proof Window Option (Sierra 615 XW).....	204.55	
46 82 83 00-1964	EA		3/4" NPT Variable Insertion, With Teflon Ferrules Option (Sierra 615 VI)..... Note: 15 PSIG max, >3" pipe ID required.	292.07	
46 82 83 00-1965	EA		Live (Hot) Tap Option (Sierra 615 LT).....	656.89	
46 82 83 00-1966	EA		Double Sided Option (Sierra 615 DS).....	292.07	
46 82 83 00-1967	EA		Medium Temperature Option (Sierra 615 MT)..... Note: Includes RE with 3" EN.	686.41	
46 82 83 00-1968	EA		High Temperature Option (Sierra 615 HT)..... Note: Includes RE with 6" EN.	1,167.22	
46 82 83 00-1969	EA		RTD Output Option (Sierra 615 RTD).....	204.55	
46 82 83 00-1970	EA		Thermocouple Output Option (Sierra 615 TO).....	204.55	
46 82 83 00-1971	EA		Additional Cable Option (Sierra 615 CA).....	23.20	
46 82 83 00-1972	EA		Stainless Steel Tag Option (Sierra 615 TG).....	46.39	
46 82 83 00-1973	EA		CE Approval Option (Sierra 615 CE).....	117.04	



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	46 82 83 00-1974	EA Oxygen Cleaning Option (Sierra 615 O2 Cleaning).....	364.82	
	46 82 83 00-1975	EA Additional Instruction Manual (Sierra 615-IM).....	46.39	
<b>46 82 83 00-1976</b>		<b>FastFlo™ 620S / BoilerTrak™ 620S-BT</b> <small>(46 82 83 00-1508)</small>		
	46 82 83 00-1977	EA FastFlo™ Insertion Mass Flow Meter (Sierra 620S).....	2,370.60	65.19
		Note: 18-30 VDC input power with a 3/8" diameter probe. Includes "Smart Electronics" with PC configuration software, calibrated temperatures up to 176 Degree F and pressures up to 120 PSIG. 200 msec response. CE approved. 4-20 mA, 0-10 VDC or 0-5 VDC linear output. No cost options include: 3.7 Probe Length - Code L04; NEMA 4X (IP65) Enclosure, Mounted Directly On Probe - Code EN2; 0-5 VDC, Linear Output - Code V1; 4-20 mA, Linear Output - Code V4; Air - Code 0; Methane (Natural Gas) Correlation (3.0% Reading Plus 1% Full Scale - Code 9; Propane Correlation (3.0% Reading Plus 1.0% Full Scale - Code 13.		
	46 82 83 00-1978	EA BoilerTrak™ Insertion Mass Flow Meter (Sierra 620S-BT).....	2,370.60	65.19
		Note: Optimized for natural gas and propane. 15-18 VDC input power with a 3/8" diameter probe. Includes "Smart Electronics" with PC configuration software, calibrated temperatures up to 100F and pressures up to 30 PSIG real gas calibration and 120 PSIG correlation. 200 msec response. CE approved. 4-20 mA and 0-5 VDC linear output. No cost options include: 3.7 Probe Length - Code L04; NEMA 4X (IP65) Enclosure, Mounted Directly On Probe - Code EN2; 0-5 VDC, Linear Output - Code V1; 4-20 mA, Linear Output - Code V4; Air - Code 0; Methane (Natural Gas) Correlation (3.0% Reading Plus 1% Full Scale - Code 9; Propane Correlation (3.0% Reading Plus 1.0% Full Scale - Code 13.		
	46 82 83 00-1979	EA 6" Probe Length (Sierra 620 L06).....	34.80	
	46 82 83 00-1980	EA 9" Probe Length (Sierra 620 L09).....	57.99	
	46 82 83 00-1981	EA 13" Probe Length (Sierra 620 L13).....	92.79	
	46 82 83 00-1982	EA Special Probe Insertion Base Cost (Sierra 620 L ( ) ).....	150.78	
		Note: Specify length in parentheses, 24" maximum, 3.7" minimum. Use modifier for Special Probe Insertion Length Cost in addition to this task.		
	46 82 83 00-1983	IN For Special Probe Insertion Length Cost, Add Per Inch (Sierra 620 ).....	5.46	
	46 82 83 00-1984	EA Compression Fitting For 3/8" Probe Feed Through By 1/2" Male NPT Mounting Accessory (Sierra 620 M1).....	98.04	7.04
	46 82 83 00-1985	EA 3/8" Probe Feed Through By 1/2" Male NPT Compression Fitting With Weld-O-Let Mounting Accessory (Sierra 620 M1-M2()).....	243.54	7.04
		Note: 1/2" Female NPT. Welds to pipe, specify pipe O.D. in parentheses.		
	46 82 83 00-1986	EA Flat Duct Bracket, 3/8" Tube Compression Fitting Mounting Accessory (Sierra 620 M3).....	359.53	7.04
	46 82 83 00-1987	EA Curved Duct Bracket, 3/8" Tube Compression Fitting Mounting Accessory (Sierra 620 M4 ( ) ).....	382.72	7.04
		Note: Specify duct O.D. in parentheses.		
	46 82 83 00-1988	EA Conex (Viton® Compression Fitting) Packing Gland Mounting Accessory (Sierra 620 M6).....	301.53	7.04
		Note: Can be used with customer supplied ball valve for live insertion or removal up to product maximum pressures. Compression fitting for 3/8" probe feed through By 1/2" male NPT.		
	46 82 83 00-1989	EA Remote NEMA 4X (IP65) Electronics Enclosure With Junction Box (Sierra 620 EN4 ( ) ).....	588.17	32.59
		Note: Mounted up to 200' away from the probe with junction box mounted on probe. Includes remote electronics enclosure mounting bracket and 1/2" female NPT connection.		
	46 82 83 00-1990	LF >10' Cable Length For Remote NEMA 4X (IP65) Electronics Enclosure (Sierra 620 ).....	3.69	
	46 82 83 00-1991	EA 0-10 VDC, Linear Output (Sierra 620 V3).....	57.99	
	46 82 83 00-1992	EA 2 x 12 Digit, Backlit, Digital Display (Sierra 620 DD).....	115.98	
		Note: LCD display indicates flow rate and totalized mass in engineering units. Simplifies configuration settings and provides system status information.		
	46 82 83 00-1993	EA Argon Calibration (Sierra 620 1).....	535.64	
	46 82 83 00-1994	EA Carbon Dioxide Gas Calibration (Sierra 620 2).....	535.64	
	46 82 83 00-1995	EA Helium Calibration (Sierra 620 6).....	535.64	
	46 82 83 00-1996	EA Nitrogen Calibration (Sierra 620 10).....	535.64	
	46 82 83 00-1997	EA Methane (Natural Gas) Calibration (1.0% Full Scale) (Sierra 620 8).....	625.26	
		Note: For BoilerTrak only.		
	46 82 83 00-1998	EA Propane Calibration (1.0% Full Scale) (Sierra 620 12).....	625.26	
		Note: For BoilerTrak only.		
	46 82 83 00-1999	EA Totalizer Pulse Output (1 Hz Max) Digital Communication (Sierra 620 Pulse).....	141.29	
	46 82 83 00-2000	EA Modbus Communications Protocol Digital Communication Option (Sierra 620 MB).....	404.89	
	46 82 83 00-2001	EA Material Certificate Option (Sierra 620 MC).....	141.29	
		Note: US Mill certifications on all wetted parts.		
	46 82 83 00-2002	EA Certificate Of Conformance Option (Sierra 620 CC).....	70.64	
	46 82 83 00-2003	EA NACE Certificate For Sour Gas Option (Sierra 620 NACE).....	70.64	
	46 82 83 00-2004	EA Leak Test Certificate (Sierra 620 LT).....	70.64	
	46 82 83 00-2005	EA Pressure Test Certificate Option (Sierra 620 PT).....	141.29	
	46 82 83 00-2006	EA 24 VDC Power Supply For 620S (Sierra 620 100-T10F (US)).....	141.29	
		Note: Supplied with fly leads, 1.5 Amps, 110-230 VAC, CE approved.		
	46 82 83 00-2007	EA 15 VDC Power Supply (Sierra 620 900-T1).....	97.00	
		Note: For BoilerTrak only.		
	46 82 83 00-2008	EA Additional Instruction Manual (Sierra 620S-IM).....	46.39	
	46 82 83 00-2009	EA 1-Year Extended Warranty (Sierra 620 W1).....	143.44	
		Note: One extra year of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional year, two years of coverage total.		
	46 82 83 00-2010	EA 2-Year Extended Warranty (Sierra 620 W2).....	229.51	
		Note: Two extra years of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional two years, three years of coverage total.		
<b>46 82 83 00-2011</b>		<b>AirTrak™ 628S Series</b> <small>(46 82 83 00-1508)</small>		
	46 82 83 00-2012	EA Inline Mass Flow Meter, 1" Flow Body Tube (Sierra 628S BW1).....	4,589.54	86.92
	46 82 83 00-2013	EA Inline Mass Flow Meter, 1-1/2" Flow Body Tube (Sierra 628S BW1.5).....	4,862.77	86.92
	46 82 83 00-2014	EA Inline Mass Flow Meter, 2" Flow Body Tube (Sierra 628S BW2).....	5,026.70	86.92
	46 82 83 00-2015	EA Inline Mass Flow Meter, 3" Flow Body Tube (Sierra 628S BW3).....	5,299.93	86.92
	46 82 83 00-2016	EA Inline Mass Flow Meter, 4" Flow Body Tube (Sierra 628S BW4).....	6,201.57	86.92
	46 82 83 00-2017	EA Inline Mass Flow Meter, 6" Flow Body Tube (Sierra 628S BW6).....	6,758.95	86.92
	46 82 83 00-2018	EA Inline Mass Flow Meter, 8" Flow Body Tube (Sierra 628S BW8).....	7,523.98	86.92
	46 82 83 00-2019	EA Remote NEMA 4X (IP65) Enclosure With Junction Box (Sierra 628S EN4 ( ) ).....	607.27	32.59

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2020	EA		0-10 VDC, Linear Output Power (Sierra 628S V3).....	60.11	
46 82 83 00-2021	EA		2 x 12 Digit, Backlit, LCD Digital Display (Sierra 628S DD).....	120.22	
46 82 83 00-2022	EA		Argon Calibration (Sierra 628S-1).....	433.88	
46 82 83 00-2023	EA		Carbon Dioxide Calibration (Sierra 628S-2).....	433.88	
46 82 83 00-2024	EA		Helium Calibration (Sierra 628S-6).....	433.88	
46 82 83 00-2025	EA		Nitrogen Option (Sierra 628S-10).....	433.88	
46 82 83 00-2026	EA		Totalizer Pulse Output (Sierra 628S PULSE).....	114.75	
46 82 83 00-2027	EA		Modbus Communications Protocol (Sierra 628S MB).....	327.87	
46 82 83 00-2028	EA		Material Certificates (Sierra 628S MC).....	114.75	
46 82 83 00-2029	EA		Certificate Of Conformance (Sierra 628S CC).....	57.92	
46 82 83 00-2030	EA		Leak Test Certificate (Sierra 628S LT).....	57.92	
46 82 83 00-2031	EA		Pressure Test Certificate (Sierra 628S PT).....	114.75	
46 82 83 00-2032	EA		24 VDC Power Supply For 620S Only (Sierra 628S 100-T10F()).....	114.75	
46 82 83 00-2033	EA		1-Year Extended Warranty (Sierra 628S W1).....	143.17	
46 82 83 00-2034	EA		2-Year Extended Warranty (Sierra 628S W2).....	229.51	
<b>46 82 83 00-2035</b>			<b>QuadraTherm® 640i</b> (46 82 83 00-1508)		
46 82 83 00-2036	EA		High Pressure Hot-Tap With Removable Retractor Kit (Sierra 640i L(M9).....	2,763.58	
46 82 83 00-2037	EA		3/4" Conax Fitting, 1" Male NPT, Assembly With Sensor Shield (Sierra 640i S1()).....	669.52	7.04
46 82 83 00-2038	EA		1" Female NPT Weldolet, Assembly (Sierra 640i S2()).....	145.48	7.04
46 82 83 00-2039	EA		Sensor Shield, Captured Conax Fitting Plus Weldolet, Assembly (Sierra 640i S1()-S2()).....	813.97	7.04
46 82 83 00-2040	EA		Low Pressure Hot Tap Assembly With Sensor Shield, Ball Valve And Packing Gland With Conax Fitting Plus Weldolet (Sierra 640i S1()-S8()).....	1,374.94	
46 82 83 00-2041	EA		High Pressure Hot-Tap With Removable Retractor Kit Assembly (Sierra 640i S9()).....	4,091.07	
46 82 83 00-2042	EA		Ammonia Calibration (Sierra 640i-14).....	207.72	
46 82 83 00-2043	EA		qMix License (Sierra 640i qMix).....	369.04	
46 82 83 00-2044	Day		Commissioning (Sierra 640i Commissioning).....	1,639.35	
46 82 83 00-2045	EA		QuadraTherm® Thermal Insertion Mass Flow Meter (Sierra 640i VT).....	3,425.00	65.19
			Note: All 316L stainless steel construction; linear 4-20 mA output signals for mass flow velocity and temperature, temperatures -40 to 392 Degree F; pressure to 500 PSIG; standard accuracy (air) +/- 0.75% of reading above 50% of full scale flow and +/- 0.75% of reading plus 0.5% of full scale below 50% of full scale flow; includes qTherm™ Electronics with PC configuration software; 24 VDC +/- 10.0% or 100-240 VAC input power with a 3/4" diameter 316 Stainless Steel Insertion sensor probe; configurable alarm and pulse outputs; CE, cFMus, ATEX, IECEx approved. No cost options include: 24 VDC +/- 10.0% Input Power - Code P2; Two Linear 4-20mA Outputs For Mass Low Velocity And Temperature - Code V4; No Readout Display - Code NR; Air (+/- 0.75% Of Reading) Dial-A-Gas - Code 0.		
46 82 83 00-2046	EA		Pressure Output Version QuadraTherm® Thermal Insertion Mass Flow Meter (Sierra 640i VTP).....	3,922.68	65.19
			Note: All 316L stainless steel construction; linear 4-20 mA output signals for mass flow velocity and temperature, temperatures -40 Degree F to 392 Degree F; pressure to 500 PSIG; standard accuracy (air) +/- 0.75% of reading above 50% of full scale flow and +/- 0.75% of reading plus 0.5% of full scale below 50% of full scale flow; includes qTherm™ Electronics with PC configuration software; 24 VDC +/- 10.0% or 100-240 VAC input power with a 3/4" diameter 316 Stainless Steel Insertion sensor probe; configurable alarm and pulse outputs; CE, cFMus, ATEX, IECEx approved. No cost options include: 24 VDC +/- 10.0% Input Power - Code P2; Two Linear 4-20mA Outputs For Mass Low Velocity And Temperature - Code V4; Three Linear 4-20mA Outputs For Mass Flow Velocity, Temperature And Pressure - Code V6; No Readout Display - Code NR; 30 PSIA - Code MP1; 100 PSIA - Code MP2; 300 PSIA - Code MP3; 500 PSIA - Code MP4; Air (+/- 0.75% Of Reading) Dial-A-Gas - Code 0.		
46 82 83 00-2047	EA		cFMus Approval (Sierra 640i 2).....	71.70	
			Note: Process Temperature Range: -40 to 392 Degree F. Class I, Division 1, Groups B, C, and D T3C Ta = -40 to 140 Degree F. Type 4x. Maximum probe length is 48". VTP E4 not cFMus approved.		
46 82 83 00-2048	EA		ATEX And IECEx Approval (Sierra 640i 3).....	71.70	
			Note: II 2 G Ex d IIC T3 Gb. II 2 D Ex tb IIIC T200 Degree C Db. Ta = -4 to 140 Degree F. Process Temperature Range: -40 to 392 Degree F. Maximum probe length is 48". VTP E4 not ATEX/IECEx approved.		
46 82 83 00-2049	EA		6" Probe Length (Sierra 640i L06).....	110.71	
46 82 83 00-2050	EA		8-1/2" Probe Length (Sierra 640i L09).....	159.21	
46 82 83 00-2051	EA		12" Probe Length (Sierra 640i L13).....	229.86	
46 82 83 00-2052	EA		17-1/2" Probe Length (Sierra 640i L18).....	254.11	
46 82 83 00-2053	EA		21-1/2" Probe Length (Sierra 640i L24).....	305.78	
46 82 83 00-2054	EA		36" Probe Length (Sierra 640i L36).....	408.05	
46 82 83 00-2055	EA		48" Probe Length (Sierra 640i L48).....	490.30	
46 82 83 00-2056	EA		Special Probe Insertion Base Cost (Sierra 640i L(x)).....	488.19	
			Note: Specify length in parentheses; 72" maximum. 48" maximum for FM. Use modifier for Special Probe Insertion Length Cost in addition to this task.		
46 82 83 00-2057	IN		For Special Probe Insertion Length Cost, Add Per Inch (Sierra 640i).....	10.54	
46 82 83 00-2058	EA		High Pressure Hot-Tap Retractor Kit Base Cost (Sierra 640i M9).....	2,639.35	
			Note: Includes L21" probe assembly, retractor assembly with hand crank, packing gland probe seal with a 2" ANSI Class 150 process connection. Not available with ATEX, cFMus or EN enclosure. Insertion depth up to 21". Use modifier for High Pressure Hot-Tap Retractor Kit Probe Length Cost in addition to this task.		
46 82 83 00-2059	IN		For High Pressure Hot-Tap Retractor Kit Probe Length Cost, Add Per Inch (Sierra 640i).....	10.93	
46 82 83 00-2060	EA		Probe With 1", ANSI Class 150 Flange (Sierra 640i L(JM5).....	769.71	
			Note: Includes M5 option diagram with ADS.		
46 82 83 00-2061	EA		3/4" Compression Fitting With 1" Male NPT Mounting Accessory (Sierra 640i M1).....	391.16	7.04
46 82 83 00-2062	EA		1" Thread-O-Let With Female NPT Mounting Accessory (Sierra 640i M2).....	318.40	7.04
46 82 83 00-2063	EA		3/4" Probe Feed Through By 1" Male NPT Compression Fitting With Thread-O-Let Mounting Accessory (Sierra 640i M1-M2()).....	700.10	7.04
			Note: Threads into 1" Female NPT, which is welded to the pipe.		
46 82 83 00-2064	EA		Flat Duct Bracket, 3/4" Tube Compression Fitting Mounting Accessory (Sierra 640i M3).....	700.10	7.04
46 82 83 00-2065	EA		Curved Duct Bracket, 3/4" Tube Compression Fitting Mounting Accessory (Sierra 640i M4( )).....	935.23	7.04
			Note: Specify duct O.D. in parentheses.		
46 82 83 00-2066	EA		Low Pressure Hot Tap Mounting Accessory (Sierra 640i M8()).....	1,364.39	
			Note: Includes ball valve and packing gland, maximum 150 PSIG, specify duct O.D. in parenthesis.		
46 82 83 00-2067	EA		Quick Removal Hot Tap Mounting Accessory (Sierra 640i M15).....	1,214.67	
			Note: Includes ball valve and compression fitting rated for 40 PSIG.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2068 EA Hazardous Area Location Electronics Enclosure, NEMA 4X Mounted Directly On Probe (Sierra 640i E2) .....	708.56	
46 82 83 00-2069 EA Remote Hazardous-Area Location Electronics Enclosure (IP66) With Junction Box (Sierra 640i E4( ))..... Note: Specify cable length in parenthesis. Maximum 200' from flow body; includes (IP66) junction box mounted on probe and mounting bracket (304SS). VTP E4 not cFMus, ATEX/IECEX, or CE approved.	1,319.93	32.59
46 82 83 00-2070 LF >10' Cable Length For Remote Hazardous-Area Location Electronics Enclosure (Sierra 640i ) .....	12.02	
46 82 83 00-2071 EA 100-240 VAC Input Power (Sierra 640i P3).....	233.02	
46 82 83 00-2072 EA Digital Display (Sierra 640i DD) .....	209.83	
Note: UltraBright LCD indicates mass flow velocity, T, P, alarms and totalized mass flow in engineering units; 6-push button user interface makes selection easy: Dial-A-Gas, Dial-A-Pipe, change units, change language, set alarms.		
46 82 83 00-2073 EA Argon Calibration (Sierra 640i 1A) .....	535.64	
46 82 83 00-2074 EA Carbon Dioxide Calibration (Sierra 640i 2A) .....	535.64	
46 82 83 00-2075 EA Digester Gas Calibration (Sierra 640i 4A).....	624.20	
46 82 83 00-2076 EA Helium Calibration (Sierra 640i 6A) .....	535.64	
46 82 83 00-2077 EA Hydrogen Calibration (Sierra 640i 7A) .....	1,681.77	
46 82 83 00-2078 EA Methane Calibration (Sierra 640i 8A).....	624.20	
46 82 83 00-2079 EA Nitrogen Calibration (Sierra 640i 10A).....	535.64	
46 82 83 00-2080 EA Propane Calibration (Sierra 640i 12A).....	624.20	
46 82 83 00-2081 EA Profibus DP Using A M12 Connector With Full Device Description Digital Communication Option (Sierra 640i DP1) .....	404.89	
Note: Available in E2/E4-P2 NAA only.		
46 82 83 00-2082 EA Profibus DP Using A 2-Wire Terminal Block Connection With Full Device Description Digital Communication Option (Sierra 640i DP2) .....	404.89	
Note: Available in E2/E4-P2 configuration only.		
46 82 83 00-2083 EA Foundation Fieldbus Full Device Description Digital Communication Option (Sierra 640i FF) .....	404.89	
Note: Available E2/ E4-P2 configuration only. FM approval available.		
46 82 83 00-2084 EA Modbus RTU Full Device Description Digital Communication Option (Sierra 640i MB).....	404.89	
46 82 83 00-2085 EA Universal Variables, Flow Totalizer, K-Factor, User Full Scale And Instantaneous Flow Digital Communication (Sierra 640i HART).....	404.89	
Note: Available E2-P2/ E4-P2) configuration only. FM approval available.		
46 82 83 00-2086 EA Material Certificate Option (Sierra 640i MC) .....	141.29	
Note: US Mill certifications on all wetted parts.		
46 82 83 00-2087 EA Certificate Of Conformance Option (Sierra 640i CC) .....	70.64	
46 82 83 00-2088 EA NACE Certificate For Sour Gas Option (Sierra 640i NACE) .....	70.64	
46 82 83 00-2089 EA Leak Test Certificate Option (Sierra 640i LT).....	70.64	
46 82 83 00-2090 EA Pressure Test Certificate Option (Sierra 640i PT).....	141.29	
46 82 83 00-2091 EA Two Point Pressure Sensor Calibration Certificate Option (Sierra 640i PC).....	141.29	
46 82 83 00-2092 EA Two Point Temperature Sensor Calibration Certificate Option (Sierra 640i TC).....	141.29	
46 82 83 00-2093 EA Cleaned For O2 Service (Includes Certification) Option (Sierra 640i O2C) .....	552.51	
Note: Inspected with ultra-violet light, double-bagged prior to shipment.		
46 82 83 00-2094 EA Additional Instruction Manual (Sierra 640i / 780i-IM) .....	23.20	
46 82 83 00-2095 EA 1-Year Extended Warranty (Sierra 640i W1) .....	138.13	
Note: One extra year of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional year, two years of coverage total.		
46 82 83 00-2096 EA 2-Year Extended Warranty (Sierra 640i W2) .....	221.42	
Note: Two extra years of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional two years, three years of coverage total.		
<b>46 82 83 00-2097 SteelMass® 640S (46 82 83 00-1508)</b>		
46 82 83 00-2098 EA Ammonia Calibration (Sierra 640S-14) .....	168.31	
46 82 83 00-2099 EA Steel Mass Industrial Insertion Mass Flow Meter (Sierra 640S) .....	3,277.15	65.19
Note: 18-30 VDC or 100-240 VAC input power with 3/4" diameter 316 Stainless Steel probe. Includes "Smart Electronics" with PC configuration software. Calibration temperatures up to 350 Degree F and pressure to 500 PSIG. HT option to 750 Degree F available (contact factory). CE, FM, CSA, ATEX approvals. Linear 0-5 VDC, 0-10 VDC or 4-20 mA output signals. Lifetime warranty on Fast Response (FR) sensor. No cost options include: Non-Agency Approved Meter - Code NAA; 640S With FM Approval. Requires E2 Or E4 Enclosure. Maximum Probe Length Is 72" - Code FM; 640S With CSA Approval. Requires E2 Or E4 Enclosure. Maximum Probe Length Is 72" - Code CSA; NEMA 4X (IP65) Enclosure. Mounted Directly On Probe - Code EN2; 18-30 VDC Input Power - Code P2; 0-5 VDC, Linear Output - Code V1; 4-20 mA, Linear Output - Code V4; No Readout Display - Code NR; Air Calibration - Code 0.		
46 82 83 00-2100 EA 640S With II 2 GD Ex d IIC T2...T6 ATEX Approval (Sierra 640S ATEX) .....	344.26	
Note: Requires E2 or E3 enclosure. E3 required for probe lengths >13". Maximum probe length is 36". ATEX units have circuit energy limitations that limit maximum flows to approximately 50% of non-ATEX units. Consult gas tables for actual values.		
46 82 83 00-2101 EA 6" Probe Length (Sierra 640S L06).....	80.33	
46 82 83 00-2102 EA 9" Probe Length (Sierra 640S L09).....	114.75	
46 82 83 00-2103 EA 13" Probe Length (Sierra 640S L13).....	166.39	
46 82 83 00-2104 EA 18" Probe Length (Sierra 640S L18).....	183.61	
46 82 83 00-2105 EA 24 Probe Length (Sierra 640S L24) .....	206.56	
46 82 83 00-2106 EA 36" Probe Length (Sierra 640S L36).....	275.41	
46 82 83 00-2107 EA Special Probe Insertion Base Cost (Sierra 640S L( )).....	218.03	
Note: Specify length in parentheses. Maximum probe length 72". Minimum length 6". Use modifier for Special Probe Insertion Length Cost in addition to this task.		
46 82 83 00-2108 IN For Special Probe Insertion Length Cost, Add Per Inch (Sierra 640S ) .....	10.93	
46 82 83 00-2109 EA 1", Class 150 Flange Special Probe Insertion Base Cost (Sierra 640S L( )M5).....	688.53	
Note: Specify length in parentheses. Include M5 option Diagram With ADS. Use modifier for Special Probe Insertion Length Cost in addition to this task.		
46 82 83 00-2110 IN For Special Probe Insertion Length Cost, Add Per Inch (Sierra 640S ) .....	10.93	
46 82 83 00-2111 EA High Pressure Hot-Tap Retractor Kit (Sierra 640S L( )M9).....	1,748.64	
Note: Includes L21" probe assembly, retractor assembly with hand crank, packing gland probe seal with a 2" ANSI Class 150 process connection. Not available with ATEX, cFMus or EN enclosure. Insertion depth up to 21".		
46 82 83 00-2112 EA 3/4" Compression Fitting With 1" Male NPT Mounting Accessory (Sierra 640S M1).....	251.50	7.04
46 82 83 00-2113 EA 1" Thread-O-Let With Female NPT Mounting Accessory (Sierra 640S M2) .....	205.60	7.04

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2114	EA		3/4" Probe Feed Through By 1" Male NPT Compression Fitting With Thread-O-Let Mounting Accessory (Sierra 640S M1-M2()).....	446.59	7.04
			Note: Threads into 1" Female NPT, which is welded to the pipe.		
46 82 83 00-2115	EA		Flat Duct Bracket, 3/4" Tube Compression Fitting Mounting Accessory (Sierra 640S M3).....	446.59	7.04
46 82 83 00-2116	EA		Curved Duct Bracket, 3/4" Tube Compression Fitting Mounting Accessory (Sierra 640S M4 ( ) ).....	595.77	7.04
			Note: Specify duct O.D. in parentheses.		
46 82 83 00-2117	EA		Low Pressure Hot Tap Mounting Accessory (Sierra 640S M8 ( ) ).....	863.39	
			Note: Includes ball valve and packing gland, maximum 150 PSIG, specify duct O.D. in parenthesis.		
46 82 83 00-2118	EA		Quick Removal Hot Tap Mounting Accessory (Sierra 640S M15) .....	768.86	
			Note: Includes ball valve and compression fitting rated for 40 PSIG.		
46 82 83 00-2119	EA		Hazardous Area Location Electronics Enclosure, NEMA 4X Mounted Directly On Probe (Sierra 640S E2).....	371.01	
46 82 83 00-2120	EA		Remote Hazardous-Area Location Electronics Enclosure (IP66) (Sierra 640S E3 ( ) ).....	753.72	32.59
			Note: Specify cable length in parenthesis. Maximum 200' from flow body; includes strain relief on end of probe and mounting bracket.		
46 82 83 00-2121	LF		>10' Cable Length For Remote Hazardous-Area Location Electronics Enclosure (Sierra 640S ).....	3.83	
46 82 83 00-2122	EA		Remote Hazardous-Area Location Enclosure (IP66) With Junction Box (Sierra 640S E4 ( ) ).....	860.66	
			Note: Specify cable length in parenthesis. Maximum 200' from flow body; includes (IP66) junction box mounted on probe and mounting bracket (304SS). VTP E4 not cFMus, ATEX/IECEX, or CE approved.		
46 82 83 00-2123	LF		>10' Cable Length For Remote Hazardous-Area Location Electronics Enclosure (Sierra 640S ) .....	3.83	
46 82 83 00-2124	EA		Remote NEMA 4X (IP65) Enclosure With Junction Box (Sierra 640S EN4 ( ) ).....	542.79	
			Note: Mounted up to 200' away from the probe with junction box mounted on probe. Includes remote electronics enclosure mounting bracket and 1/2" female NPT connection.		
46 82 83 00-2125	LF		>10' Cable Length For Remote NEMA 4X (IP65) Electronics Enclosure (Sierra 640S ) .....	3.83	
46 82 83 00-2126	EA		100-240 VAC Input Power (Sierra 640S P3) .....	172.13	
			Note: Not available with EN enclosures.		
46 82 83 00-2127	EA		0-10 VDC, Linear Output (Sierra 640S V3).....	68.85	
46 82 83 00-2128	EA		2 x 12 Digit, Backlit, Digital Display (Sierra 640S DD) .....	114.75	
			Note: LCD display indicates flow rate and totalized mass in engineering units. Simplifies configuration settings and provides system status information.		
46 82 83 00-2129	EA		Argon Calibration (Sierra 640S 1).....	433.77	
46 82 83 00-2130	EA		Carbon Dioxide Calibration (Sierra 640S 2).....	433.77	
46 82 83 00-2131	EA		Chlorine Correlation Calibration (Sierra 640S 3).....	168.69	
46 82 83 00-2132	EA		Digester Gas Calibration (Sierra 640S 4).....	506.07	
46 82 83 00-2133	EA		Digester Gas Correlation Calibration (Sierra 640S 5) .....	168.69	
46 82 83 00-2134	EA		Helium Calibration (Sierra 640S 6) .....	433.77	
46 82 83 00-2135	EA		Hydrogen Calibration (Sierra 640S 7).....	1,361.57	
46 82 83 00-2136	EA		Methane Correlation Calibration (Sierra 640S 8) .....	506.07	
46 82 83 00-2137	EA		Methane Calibration (Sierra 640S 9).....	168.69	
46 82 83 00-2138	EA		Nitrogen Calibration (Sierra 640S 10).....	433.77	
46 82 83 00-2139	EA		Oxygen Correlation Calibration (Sierra 640S 11).....	168.69	
46 82 83 00-2140	EA		Propane Calibration (Sierra 640S 12) .....	506.07	
46 82 83 00-2141	EA		Propane Correlation Calibration (Sierra 640S 13).....	168.69	
46 82 83 00-2142	EA		Totalizer Pulse Output Digital Communication (Sierra 640S Pulse).....	114.75	
			Note: Only available with E2/E3/E4 enclosures with DD. Available on all EN2 enclosures.		
46 82 83 00-2143	EA		Profibus DP Using A M12 Connector With Full Device Description Digital Communication Option (Sierra 640S DP1) .....	327.87	
			Note: Available in E2/E4-P2 NAA only.		
46 82 83 00-2144	EA		Profibus DP Using A 2-Wire Terminal Block Connection With Full Device Description Digital Communication Option (Sierra 640S DP2).....	327.87	
			Note: Available in E2/E4-P2 configuration only.		
46 82 83 00-2145	EA		Modbus RTU With Full Device Description (P2 only); ATEX And FM Approvals Available Digital Communication Option (Sierra 640S MB) .....	327.87	
46 82 83 00-2146	EA		Foundation Fieldbus Full Device Description Digital Communication Option (Sierra 640S FF) .....	327.87	
			Note: Available E2/ E4-P2 configuration only. FM approval available.		
46 82 83 00-2147	EA		Universal Variables, Flow Totalizer, K-Factor, User Full Scale And Instantaneous Flow Digital Communication (Sierra 640S HART).....	327.87	
			Note: Available E2-P2 /E4-P2) configuration only. FM approval available.		
46 82 83 00-2148	EA		Non-Return Valve, Tube And Purge Nozzle Option For Cleaning Probe Tips (Sierra 640S PURGE) .....	803.28	
			Note: 30-120 PSIG external compressed air source required. Uses 1/4" compression fitting on purge tube process connection. Available with E2 only. Not available with HT option (contact factory in this case for external purge solution). Excludes on/off valve. NAA only. Only a 24 VDC power input is available when ordering an internal purge option.		
46 82 83 00-2149	EA		High Temperature Option (Sierra 640S HT) .....	1,377.05	
			Note: HT option to 750 Degree F. Requires remote (E4 or EN4). Contact factory for probe length (limited lengths available). Overall accuracy of HT may be de-rated due to temperature and velocity conditions.		
46 82 83 00-2150	EA		Material Certificate Option (Sierra 640S MC).....	114.75	
			Note: US Mill certifications on all wetted parts.		
46 82 83 00-2151	EA		Certificate Of Conformance Option (Sierra 640S CC).....	57.38	
46 82 83 00-2152	EA		NACE Certificate For Sour Gas Option (Sierra 640S NACE).....	57.38	
46 82 83 00-2153	EA		Leak Test Certificate Option (Sierra 640S LT) .....	57.38	
46 82 83 00-2154	EA		Pressure Test Certificate Option (Sierra 640S PT) .....	114.75	
46 82 83 00-2155	EA		Cleaned For O2 Service (Includes Certification) Option (Sierra 640S O2C).....	447.54	
			Note: Inspected with ultra-violet light, double-bagged prior to shipment.		
46 82 83 00-2156	EA		Additional Instruction Manual (Sierra 640S-IM) .....	24.04	
46 82 83 00-2157	EA		1-Year Extended Warranty (Sierra 640S W1) .....	143.44	
			Note: One extra year of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional year, two years of coverage total.		
46 82 83 00-2158	EA		2-Year Extended Warranty (Sierra 640S W2).....	229.51	
			Note: Two extra years of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional two years, three years of coverage total.		
46 82 83 00-2159			<b>QuadraTherm® 780i</b> (46 82 83 00-1508)		
46 82 83 00-2160	EA		DN50, PN16, DIN Flange Flow Body (Sierra 780i FD6).....	876.30	31.29



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2161	EA		DN80, PN16, DIN Flange Flow Body (Sierra 780i FD7) .....	1,556.59	36.50
46 82 83 00-2162	EA		DN100, PN16, DIN Flange Flow Body (Sierra 780i FD8) .....	2,780.54	54.90
46 82 83 00-2163	EA		DN150, PN16, DIN Flange Flow Body (Sierra 780i FD9) .....	4,997.17	68.45
46 82 83 00-2164	EA		DN200, PN16, DIN Flange Flow Body (Sierra 780i FD10) .....	10,963.70	86.92
46 82 83 00-2165	EA		DN25, PN40, DIN Flange Flow Body (Sierra 780i GD4) .....	702.76	16.30
46 82 83 00-2166	EA		DN 40, PN40, DIN Flange Flow Body (Sierra 780i GD5) .....	892.03	28.03
46 82 83 00-2167	EA		DN50, PN40, DIN Flange Flow Body (Sierra 780i GD6) .....	1,127.25	31.29
46 82 83 00-2168	EA		DN80, PN40, DIN Flange Flow Body (Sierra 780i GD7) .....	1,929.84	36.50
46 82 83 00-2169	EA		DN100, PN40, DIN Flange Flow Body (Sierra 780i GD8) .....	3,070.50	54.90
46 82 83 00-2170	EA		DN150, PN40, DIN Flange Flow Body (Sierra 780i GD9) .....	5,546.51	68.45
46 82 83 00-2171	EA		DN200, PN40, DIN Flange Flow Body (Sierra 780i GD10) .....	11,324.30	86.92
46 82 83 00-2172	EA		Inline Thermal Mass Flow Meter With Flow Conditioning (Sierra 780i VT) .....	5,946.07	65.19
			Note: All 316L stainless steel construction; linear 4-20 mA output signals for Mass Flow Velocity and Temperature, calibration temperatures -40 to 392 Degree F and pressure to 500 PSIG; standard accuracy +/- 0.5% of reading above 50% of full scale flow and +/- 0.5% of reading plus 0.5% of full scale below 50% of full scale flow; includes qTherm™ Electronics with PC configuration software; 24 VDC +/-10% or 100-240 VAC input power, configurable alarm and pulse outputs; CE, cFMus, ATEX, IECEx approved. No cost options include: Non-Agency Approved - Code 1; 1" NPT Male 316 Stainless Steel Inline Flow Body With Flow Conditioning - Code N4; 1-1/2" NPT Male 316 Stainless Steel Inline Flow Body With Flow Conditioning - Code N5; 24 VDC, +/- 10.0% Input Power - Code P2; No Readout Display - Code NR; 30 PSIA, VTP Only - Code MP1; 100 PSIA, VTP Only - Code MP2; 300 PSIA, VTP Only - Code MP3; 500 PSIA, VTP Only - Code MP4; Air Calibration - Code 0.		
46 82 83 00-2173	EA		Inline Thermal Mass Flow Meter With Flow Conditioning (Sierra 780i VTP) .....	6,583.99	65.19
			Note: All 316L stainless steel construction; linear 4-20 mA output signals for Mass Flow Velocity and Temperature, calibration temperatures -40 to 392 Degree F and pressure to 500 PSIG; standard accuracy +/- 0.5% of reading above 50% of full scale flow and +/- 0.5% of reading plus 0.5% of full scale below 50% of full scale flow; includes qTherm™ Electronics with PC configuration software; 24 VDC +/-10% or 100-240 VAC input power, configurable alarm and pulse outputs; CE, cFMus, ATEX, IECEx approved. No cost options include: Non-Agency Approved - Code 1; 1" NPT Male 316 Stainless Steel Inline Flow Body With Flow Conditioning - Code N4; 1-1/2" NPT Male 316 Stainless Steel Inline Flow Body With Flow Conditioning - Code N5; 24 VDC, +/- 10.0% Input Power - Code P2; No Readout Display - Code NR; 30 PSIA, VTP Only - Code MP1; 100 PSIA, VTP Only - Code MP2; 300 PSIA, VTP Only - Code MP3; 500 PSIA, VTP Only - Code MP4; Air Calibration - Code 0. Add a Pressure output To the 640i VT version; three 4-20 mA linear outputs for mass flow velocity, Temperature, And Pressure; includes Pressure Sensor To 500 psig (34.5 barg).		
46 82 83 00-2174	EA		cFMus Approvals (Sierra 780i 2) .....	71.70	
			Note: Process temperature range: -40 To 392 Degree F. Class I, Division 1, Groups B, C, and D. T3C Ta = -40 To 140 Degree F. Type 4x. Maximum probe length is 48". VTP E4 not cFMus approved.		
46 82 83 00-2175	EA		ATEX And IECEx Approvals (Sierra 780i 3) .....	70.64	
			Note: II 2 G Ex d IIC T3 Gb. II 2 D Ex tb IIIC T200 Degree C Db. Ta = -4 To 140 Degree F. Process temperature range: -40 To 392 Degree F. Maximum probe length is 48". VTP E4 not ATEX/IECEx approved.		
46 82 83 00-2176	EA		1/2" NPT Male 316 Stainless Steel Inline Flow Body With Flow Conditioning (Sierra 780i N2) .....	342.78	31.29
46 82 83 00-2177	EA		3/4" NPT Male 316 Stainless Steel Inline Flow Body With Flow Conditioning (Sierra 780i N3) .....	349.30	36.50
46 82 83 00-2178	EA		2" NPT Male 316 Stainless Steel Inline Flow Body With Flow Conditioning (Sierra 780i N6) .....	285.79	86.92
46 82 83 00-2179	EA		3" NPT Male 316 Stainless Steel Inline Flow Body With Flow Conditioning (Sierra 780i N7) .....	442.37	110.96
46 82 83 00-2180	EA		4" NPT Male 316 Stainless Steel Inline Flow Body With Flow Conditioning (Sierra 780i N8) .....	916.06	186.24
46 82 83 00-2181	EA		6" NPT Male 316 Stainless Steel Inline Flow Body With Flow Conditioning (Sierra 780i N9) .....	1,756.85	235.52
46 82 83 00-2182	EA		8" NPT Male 316 Stainless Steel Inline Flow Body With Flow Conditioning (Sierra 780i N10) .....	4,327.56	298.00
46 82 83 00-2183	EA		1/2" ANSI Class 150 Flange 316 Stainless Steel, 1-1/2" NPT Male 316 Stainless Steel Flow Body With Flow Conditioning (Sierra 780i F2) .....	358.59	31.29
46 82 83 00-2184	EA		3/4" ANSI Class 150 Flange 316 Stainless Steel Flow Body With Flow Conditioning (Sierra 780i F3) .....	365.11	36.50
46 82 83 00-2185	EA		1" ANSI Class 150 Flange 316 Stainless Steel Flow Body With Flow Conditioning (Sierra 780i F4) .....	388.10	54.90
46 82 83 00-2186	EA		1-1/2" ANSI Class 150 Flange 316 Stainless Steel Flow Body With Flow Conditioning (Sierra 780i F5) .....	405.25	68.45
46 82 83 00-2187	EA		2" ANSI Class 150 Flange 316 Stainless Steel Flow Body With Flow Conditioning (Sierra 780i F6) .....	806.66	86.92
46 82 83 00-2188	EA		3" ANSI Class 150 Flange 316 Stainless Steel Flow Body With Flow Conditioning (Sierra 780i F7) .....	1,397.65	110.96
46 82 83 00-2189	EA		4" ANSI Class 150 Flange 316 Stainless Steel Flow Body With Flow Conditioning (Sierra 780i F8) .....	2,492.39	186.24
46 82 83 00-2190	EA		6" ANSI Class 150 Flange 316 Stainless Steel Flow Body With Flow Conditioning (Sierra 780i F9) .....	4,386.53	235.52
46 82 83 00-2191	EA		8" ANSI Class 150 Flange, 316 Stainless Steel Flow Body With Flow Conditioning (Sierra 780i F10) .....	9,418.21	298.00
46 82 83 00-2192	EA		Hazardous Area Location Electronics Enclosure, NEMA 4X Mounted Directly On Probe (Sierra 780i E2) .....	497.49	32.59
46 82 83 00-2193	EA		Remote Hazardous-Area Location Electronics Enclosure (IP66) With Junction Box (Sierra 780i E4) .....	1,012.04	32.59
			Note: Specify cable length in parenthesis. Maximum 200' from flow body; includes (IP66) junction box mounted on probe and mounting bracket (304SS). VTP E4 not cFMus, ATEX/IECEx, or CE approved.		
46 82 83 00-2194	LF		>10' Cable Length For Remote Hazardous-Area Location Electronics Enclosure (Sierra 780i ) .....	11.60	
46 82 83 00-2195	EA		100-240 VAC Input Power (Sierra 780i P3) .....	212.99	
46 82 83 00-2196	EA		Digital Display (Sierra 780i DD) .....	177.14	
			Note: UltraBright LCD indicates mass flow velocity, T, P, alarms and totalized mass flow in engineering units; 6-push button user interface makes selection easy: Dial-A-Gas, Dial-A-Pipe, change units, change language, set alarms.		
46 82 83 00-2197	EA		Argon Calibration (Sierra 780i 1A) .....	535.64	
46 82 83 00-2198	EA		Carbon Dioxide Calibration (Sierra 780i 2A) .....	535.64	
46 82 83 00-2199	EA		Digester Gas Calibration (Sierra 780i 4A) .....	625.26	
46 82 83 00-2200	EA		Helium Calibration (Sierra 780i 6A) .....	535.64	
46 82 83 00-2201	EA		Hydrogen Calibration (Sierra 780i 7A) .....	1,681.77	
46 82 83 00-2202	EA		Methane Calibration (Sierra 780i 8A) .....	625.26	
46 82 83 00-2203	EA		Nitrogen Calibration (Sierra 780i 10A) .....	535.64	
46 82 83 00-2204	EA		Propane Calibration (Sierra 780i 12A) .....	625.26	
46 82 83 00-2205	EA		Ammonia Calibration (Sierra 780i-14) .....	207.72	
46 82 83 00-2206	EA		qMix License (Sierra 780i qMix) .....	474.48	
46 82 83 00-2207	Day		Commissioning (Sierra 780i Commissioning) .....	1,581.60	
46 82 83 00-2208	EA		Profibus DP Using A M12 Connector With Full Device Description Digital Communication Option (Sierra 780i DP1) .....	404.89	
			Note: Available in E2/E4-P2 NAA only.		
46 82 83 00-2209	EA		Profibus DP Using A 2-Wire Terminal Block Connection With Full Device Description Digital Communication Option (Sierra 780i DP2) .....	404.89	
			Note: Available in E2/E4-P2 configuration only.		

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2210 EA Foundation Fieldbus Full Device Description Digital Communication Option (Sierra 780i FF).....	404.89	
Note: Available E2/ E4-P2 configuration only; FM approval available.		
46 82 83 00-2211 EA Modbus RTU Full Device Description Digital Communication Option (Sierra 780i MB).....	404.89	
46 82 83 00-2212 EA Universal Variables, Flow Totalizer, K-Factor, User Full Scale And Instantaneous Flow Digital Communication Option (Sierra 780i HART).....	404.89	
Note: Available E2-P2 /E4-P2) configuration only. FM approval available.		
46 82 83 00-2213 EA Material Certificate Option (Sierra 780i MC).....	141.29	
Note: US Mill certifications on all wetted parts.		
46 82 83 00-2214 EA Certificate Of Conformance Option (Sierra 780i CC).....	70.64	
46 82 83 00-2215 EA NACE Certificate For Sour Gas Option (Sierra 780i NACE).....	70.64	
46 82 83 00-2216 EA Leak Test Certificate Option (Sierra 780i LT).....	70.64	
46 82 83 00-2217 EA Pressure Test Certificate Option (Sierra 780i PT).....	141.29	
46 82 83 00-2218 EA Two Point Pressure Sensor Calibration Certificate Option (Sierra 780i PC).....	141.29	
46 82 83 00-2219 EA Two Point Temperature Sensor Calibration Certificate Option (Sierra 780i TC).....	141.29	
46 82 83 00-2220 EA Up To 4" Inline Meter, Cleaned For O2 Service (Includes Certification) Option (Sierra 780i O2C).....	552.51	
Note: Inspected with ultra-violet light, double-bagged prior to shipment.		
46 82 83 00-2221 EA Additional Instruction Manual (Sierra 640i / 780i-IM).....	46.39	
46 82 83 00-2222 EA 1-Year Extended Warranty (Sierra 780i W1).....	138.13	
Note: One extra year of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional year, two years of coverage total.		
46 82 83 00-2223 EA 2-Year Extended Warranty (Sierra 780i W2).....	221.42	
Note: Two extra years of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional two years, three years of coverage total.		
<b>46 82 83 00-2224 FlatTrak™ 780S and 780S Ultra High Purity Series</b> (46 82 83 00-1508)		
Note: All 316 stainless steel construction. UHP 5-10 RA available. 18-30 VDC or 100-240VAC input power with 3/4" diameter 316 Stainless Steel probe. Includes "Smart Electronics" with PC configuration software. Calibration temperatures up to 350 Degree F and pressure To 500 PSIG. CE, FM, CSA, ATEX approvals. Linear 0-5 VDC or 4-20 mA output signals. Lifetime warranty on non-UHP Fast Response (FR) Sensor. No cost options include: Non-Agency Approved Meter - Code NAA; FM Approval - Code FM; CSA Approval - Code CSA; NEMA 4X (IP65) Enclosure. Mounted Directly On Probe - Code EN2; 18-30 VDC Input Power - Code P2; 0-5 VDC, Linear Output - Code V1; 4-20 mA, Linear Output - Code V4; No Readout Display - Code NR; Air Calibration - Code O.		
46 82 83 00-2225 EA 1/4" Outside Diameter Tube, UHP, Butt Weld Prep (Sierra 780S UHP-BW1).....	5,203.25	80.38
46 82 83 00-2226 EA 1/4" Outside Diameter Tube, UHP, Female VCR Fittings (Sierra 780S UHP-VCR1).....	5,632.76	80.38
46 82 83 00-2227 EA 1/2" Outside Diameter Tube, UHP, Butt Weld Prep (Sierra 780S UHP-BW2).....	5,761.59	82.01
46 82 83 00-2228 EA 1/2" Outside Diameter Tube, UHP, Female VCR Fittings (Sierra 780S UHP-VCR2).....	5,962.68	82.01
46 82 83 00-2229 EA 1" Outside Diameter, Tube, UHP, Butt Weld Prep (Sierra 780S UHP-BW4).....	7,490.71	87.86
46 82 83 00-2230 EA 1" Outside Diameter Tube, UHP, Male VCR Fittings (Sierra 780S UHP-VCR4).....	7,995.63	87.86
46 82 83 00-2231 EA 1-1/2" Outside Diameter Tube, UHP, Butt Weld Prep (Sierra 780S UHP-BW5).....	7,695.63	92.64
46 82 83 00-2232 EA 2" Outside Diameter Tube, UHP, Butt Weld Prep (Sierra 780S UHP-BW6).....	8,840.26	105.30
46 82 83 00-2233 EA 3" Outside Diameter Tube, UHP, Butt Weld Prep (Sierra 780S UHP-BW7).....	9,375.28	112.60
46 82 83 00-2234 EA 4" Outside Diameter Tube, UHP, Butt Weld Prep (Sierra 780S UHP-BW8).....	9,968.31	145.43
46 82 83 00-2235 EA DN50, PN16, DIN Flange Flow Body (Sierra 780S FD6).....	5,027.11	31.29
46 82 83 00-2236 EA DN80, PN16, DIN Flange Flow Body (Sierra 780S FD7).....	5,152.75	36.50
46 82 83 00-2237 EA DN100, PN16, DIN Flange Flow Body (Sierra 780S FD8).....	5,785.58	54.90
46 82 83 00-2238 EA DN150, PN16, DIN Flange Flow Body (Sierra 780S FD9).....	7,284.70	68.45
46 82 83 00-2239 EA DN200, PN16, DIN Flange Flow Body (Sierra 780S FD10).....	9,934.91	86.92
46 82 83 00-2240 EA DN25, PN40, DIN Flange Flow Body (Sierra 780S GD4).....	4,784.36	16.30
46 82 83 00-2241 EA DN40, PN40, DIN Flange Flow Body (Sierra 780S GD5).....	4,836.97	28.03
46 82 83 00-2242 EA DN50, PN40, DIN Flange Flow Body (Sierra 780S GD6).....	5,274.10	31.29
46 82 83 00-2243 EA DN80, PN40, DIN Flange Flow Body (Sierra 780S GD7).....	5,534.17	36.50
46 82 83 00-2244 EA DN100, PN40, DIN Flange Flow Body (Sierra 780S GD8).....	6,141.87	54.90
46 82 83 00-2245 EA DN150, PN40, DIN Flange Flow Body (Sierra 780S GD9).....	7,948.09	68.45
46 82 83 00-2246 EA DN200, PN40, DIN Flange Flow Body (Sierra 780S GD10).....	10,675.90	86.92
46 82 83 00-2247 EA Ammonia Calibration (Sierra 780S-14).....	168.31	
46 82 83 00-2248 EA Hard Copy Instruction Manual (Sierra 780S IM).....	24.04	
46 82 83 00-2249 EA 780S With II 2 GD Ex d IIC T2...T6 ATEX Approval (Sierra ATEX).....	344.26	
Note: Requires E2 or E3 enclosure. ATEX units have circuit energy limitations that limit maximum flows to approximately 50% of non-ATEX units. Consult gas tables for details.		
46 82 83 00-2250 EA 1/4" NPT Female 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S N1).....	5,039.32	80.38
46 82 83 00-2251 EA 1/2" NPT Male 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S N2).....	5,041.37	82.01
46 82 83 00-2252 EA 3/4" NPT Male 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S N3).....	5,048.68	87.86
46 82 83 00-2253 EA 1" NPT Male 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S N4).....	4,813.11	92.64
46 82 83 00-2254 EA 1-1/2" NPT Male 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S N5).....	4,828.95	105.30
46 82 83 00-2255 EA 2" NPT Male 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S N6).....	4,976.86	112.60
46 82 83 00-2256 EA 3" NPT Male 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S N7).....	5,120.62	145.43
46 82 83 00-2257 EA 4" NPT Male 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S N8).....	5,436.05	156.45
46 82 83 00-2258 EA 6" NPT Male 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S N9).....	6,565.40	168.99
46 82 83 00-2259 EA 8" NPT Male 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S N10).....	8,601.82	183.27
46 82 83 00-2260 EA 1/2" ANSI Class 150 Flange 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S F2).....	5,071.47	96.48
46 82 83 00-2261 EA 3/4" ANSI Class 150 Flange 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S F3).....	5,077.98	101.69
46 82 83 00-2262 EA 1" ANSI Class 150 Flange 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S F4).....	5,100.97	120.09
46 82 83 00-2263 EA 1-1/2" ANSI Class 150 Flange 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S F5).....	5,118.12	133.64
46 82 83 00-2264 EA 2" ANSI Class 150 Flange 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S F6).....	5,442.64	152.11
46 82 83 00-2265 EA 3" ANSI Class 150 Flange 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S F7).....	5,917.50	176.14



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2266	EA	4" ANSI Class 150 Flange 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S F8).....	6,807.24	251.43
46 82 83 00-2267	EA	6" ANSI Class 150 Flange 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S F9).....	8,820.75	300.70
46 82 83 00-2268	EA	8" ANSI Class 150 Flange, 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S F10).....	12,339.31	363.19
46 82 83 00-2269	EA	Hazardous Area Location Electronics Enclosure, NEMA 4X Mounted Directly On Probe (Sierra 780S E2).....	436.20	32.59
46 82 83 00-2270	EA	Remote Hazardous-Area Location Electronics Enclosure (IP66) (Sierra 780S E3 ( ))..... Note: Specify cable length in parenthesis. Maximum 200' from flow body; includes strain relief on end of probe and mounting bracket.	753.72	32.59
46 82 83 00-2271	LF	>10' Cable Length For Remote Hazardous-Area Location Electronics Enclosure (Sierra 780S ).....	3.83	
46 82 83 00-2272	EA	Remote Hazardous-Area Location Electronics Enclosure (IP66) With Junction Box (Sierra 780S E4 ( ))..... Note: Specify cable length in parenthesis. Maximum 200' from flow body; includes (IP66) junction box mounted on probe and mounting bracket (304SS). VTP E4 not cFMus, ATEX/IECEX, or CE approved.	925.85	32.59
46 82 83 00-2273	LF	>10' Cable Length For Remote Hazardous-Area Location Electronics Enclosure (Sierra 780S ).....	3.83	
46 82 83 00-2274	EA	Remote NEMA 4X (IP65) Electronics Enclosure With Junction Box (Sierra 780S EN4 ( ))..... Note: Mounted up to 200' away from the probe with junction box mounted on probe. Includes remote electronics enclosure mounting bracket and 1/2" female NPT connection.	607.98	32.59
46 82 83 00-2275	LF	>10' Cable Length For Remote NEMA 4X (IP65) Electronics Enclosure (Sierra 780S ).....	3.83	
46 82 83 00-2276	EA	100-240 VAC Input Power (Sierra 780S P3)..... Note: Not available with EN enclosures.	172.13	
46 82 83 00-2277	EA	0-10 VDC, Linear Output (Sierra 780S V3).....	68.85	
46 82 83 00-2278	EA	2 x 12 Digit, Backlit, Digital Display (Sierra 780S DD)..... Note: LCD display indicates flow rate and totalized mass in engineering units. Simplifies configuration settings and provides system status information.	114.75	
46 82 83 00-2279	EA	Argon Calibration (Sierra 780S 1).....	433.77	
46 82 83 00-2280	EA	Carbon Dioxide Calibration (Sierra 780S 2).....	433.77	
46 82 83 00-2281	EA	Chlorine Correlation Calibration (Sierra 780S 3).....	168.69	
46 82 83 00-2282	EA	Digester Gas Calibration (Sierra 780S 4).....	506.07	
46 82 83 00-2283	EA	Digester Gas Correlation Calibration (Sierra 780S 5).....	168.69	
46 82 83 00-2284	EA	Helium Calibration (Sierra 780S 6).....	433.77	
46 82 83 00-2285	EA	Hydrogen Calibration (Sierra 780S 7).....	1,361.57	
46 82 83 00-2286	EA	Methane Calibration (Sierra 780S 8).....	506.07	
46 82 83 00-2287	EA	Methane Correlation Calibration (Sierra 780S 9).....	168.69	
46 82 83 00-2288	EA	Nitrogen Calibration (Sierra 780S 10).....	433.77	
46 82 83 00-2289	EA	Oxygen Correlation Calibration (Sierra 780S 11).....	168.69	
46 82 83 00-2290	EA	Propane Calibration (Sierra 780S 12).....	506.07	
46 82 83 00-2291	EA	Propane Correlation Calibration (Sierra 780S 13).....	168.69	
46 82 83 00-2292	EA	Totalizer Pulse Output Digital Communication (Sierra 780S Pulse)..... Note: Only available with E2/E3/E4 enclosures with DD. Available on all EN2 enclosures.	114.75	
46 82 83 00-2293	EA	Profibus DP Using A M12 Connector With Full Device Description Digital Communication Option (Sierra 780S DP1)..... Note: Available in E2/E4-P2 NAA only.	327.87	
46 82 83 00-2294	EA	Profibus DP Using A 2-Wire Terminal Block Connection With Full Device Description Digital Communication Option (Sierra 780S DP2)..... Note: Available in E2/E4-P2 configuration only.	327.87	
46 82 83 00-2295	EA	Modbus RTU With Full Device Description (P2 only); ATEX And FM Approvals Available Digital Communication Option (Sierra 780S MB).....	327.87	
46 82 83 00-2296	EA	Foundation Fieldbus Full Device Description Digital Communication Option (Sierra 780S FF)..... Note: Available E2/ E4-P2 configuration only. FM approval available.	327.87	
46 82 83 00-2297	EA	Universal Variables, Flow Totalizer, K-Factor, User Full Scale And Instantaneous Flow Digital Communication (Sierra 780S HART)..... Note: Available E2-P2 /E4-P2) configuration only. FM approval available.	327.87	
46 82 83 00-2298	EA	Non-Return Valve, Tube And Purge Nozzle Option For Cleaning Probe Tips (Sierra 780S PURGE)..... Note: 30-120 PSIG external compressed air source required. Uses 1/4" compression fitting on purge tube process connection. Available with E2 only. Not available with HT option (contact factory in this case for external purge solution). Does not include on/off valve. NAA only. For 780S only (not available for UHP models).	803.28	
46 82 83 00-2299	EA	Material Certificate Option (Sierra 780S MC)..... Note: US Mill certifications on all wetted parts.	114.75	
46 82 83 00-2300	EA	Certificate Of Conformance Certificate Option (Sierra 780S CC).....	57.38	
46 82 83 00-2301	EA	NACE Certificate For Sour Gas Option (Sierra 780S NACE).....	57.38	
46 82 83 00-2302	EA	Leak Test Certificate Option (Sierra 780S LT).....	57.38	
46 82 83 00-2303	EA	Pressure Test Certificate Option (Sierra 780S PT).....	114.75	
46 82 83 00-2304	EA	Up To 4" Inline Meter, Cleaned For O2 Service (Includes Certification) Option (Sierra 780S O2C)..... Note: Inspected with ultra-violet light, double-bagged prior to shipment.	447.54	
46 82 83 00-2305	EA	Additional Instruction Manual (Sierra 780S-IM).....	46.39	
46 82 83 00-2306	EA	1-Year Extended Warranty (Sierra 780S W1)..... Note: One extra year of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional year, two years of coverage total.	143.44	
46 82 83 00-2307	EA	2-Year Extended Warranty (Sierra 780S W2)..... Note: Two extra years of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional two years, three years of coverage total.	229.51	
46 82 83 00-2308		<b>FlowTrak™ Flow Conditioners (46 82 83 00-1508)</b>		
46 82 83 00-2309	EA	1" FlowTrak™ Flow Conditioner (Sierra Flo-1).....	1,060.81	54.90
46 82 83 00-2310	EA	1-1/2" FlowTrak™ Flow Conditioner (Sierra Flo-1.5).....	1,091.67	68.45
46 82 83 00-2311	EA	2" FlowTrak™ Flow Conditioner (Sierra Flo-2).....	1,143.02	86.92
46 82 83 00-2312	EA	2-1/2" FlowTrak™ Flow Conditioner (Sierra Flo-2.5).....	1,179.13	98.94
46 82 83 00-2313	EA	3" FlowTrak™ Flow Conditioner (Sierra Flo-3).....	1,208.92	110.96
46 82 83 00-2314	EA	4" FlowTrak™ Flow Conditioner (Sierra Flo-4).....	1,409.52	186.24
46 82 83 00-2315	EA	5" FlowTrak™ Flow Conditioner (Sierra Flo-5).....	1,610.08	210.89
46 82 83 00-2316	EA	6" FlowTrak™ Flow Conditioner (Sierra Flo-6).....	1,825.39	235.52



**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2317	EA		8" FlowTrak™ Flow Conditioner (Sierra Flo-8) .....	2,086.96	298.00
46 82 83 00-2318	EA		10" FlowTrak™ Flow Conditioner (Sierra Flo-10).....	2,341.58	365.06
46 82 83 00-2319	EA		12" FlowTrak™ Flow Conditioner (Sierra Flo-12).....	2,622.52	443.02
46 82 83 00-2320	EA		14" FlowTrak™ Flow Conditioner (Sierra Flo-14).....	2,905.13	521.50
46 82 83 00-2321	EA		16" FlowTrak™ Flow Conditioner (Sierra Flo-16).....	3,154.83	573.66
46 82 83 00-2322	EA		18" FlowTrak™ Flow Conditioner (Sierra Flo-18).....	3,416.53	636.23
46 82 83 00-2323	EA		20" FlowTrak™ Flow Conditioner (Sierra Flo-20).....	3,702.10	717.06
46 82 83 00-2324	EA		22" FlowTrak™ Flow Conditioner (Sierra Flo-22).....	3,988.47	798.55
46 82 83 00-2325	EA		24" FlowTrak™ Flow Conditioner (Sierra Flo-24).....	4,274.85	880.03
46 82 83 00-2326	EA		30" FlowTrak™ Flow Conditioner (Sierra Flo-30).....	6,157.89	1,434.14
46 82 83 00-2327	EA		38" FlowTrak™ Flow Conditioner (Sierra Flo-38).....	7,790.20	2,151.20
46 82 83 00-2328	EA		Material Certificate (Sierra Flo MC).....	141.29	
			Note: US Mill certifications on all wetted parts.		
46 82 83 00-2329	EA		Certificate Of Conformance Certificate Option (Sierra Flo CC).....	70.64	
46 82 83 00-2330	EA		Up To 4" Inline Meter, Cleaned For O2 Service (Includes Certification) Option (Sierra Flo O2C).....	552.51	
			Note: Inspected with ultra-violet light, double-bagged prior to shipment.		
46 82 83 00-2331	EA		1-Year Extended Warranty (Sierra Flo W1) .....	138.13	
			Note: One extra year of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional year, two years of coverage total.		
46 82 83 00-2332	EA		2-Year Extended Warranty (Sierra Flo W2) .....	221.42	
			Note: Two extra years of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional two years, three years of coverage total.		
<b>46 82 83 00-2333</b>			<b>ChlorineTrak™ 760 Series</b> (46 82 83 00-1508) Note: Specially designed flow body manufactured from Kynar® polyvinylidene fluoride resin. 18-30 VDC or 100-240VAC input power with 3/4" diameter 6" long Hastelloy® probe. Includes "Smart Electronics" with PC configuration software. Application limits: 15 to 90 Degree F and 120 PSIG. CE approvals. Linear 0-5 VDC or 4-20 mA output signals. Modbus optional. No cost options include: Non-Agency Approved Meter - Code NAA; NEMA 4X (IP65) Enclosure. Mounted Directly On Probe - Code EN2; 18-30 VDC Input Power - Code P2; 0-5 VDC, Linear Output - Code V1; 4-20 mA, Linear Output - Code V4; No Readout Display - Code NR; Chlorine Correlation Calibration - Code 3.		
46 82 83 00-2334	EA		1" ANSI Class 150 Flange-Kynar Flow Body With 6" Hastelloy Probe Chlorine-Trak™ In-line Mass Flow Meter (Sierra 760S K4).....	8,021.22	120.09
			Note: Maximum flow 20 SCFM.		
46 82 83 00-2335	EA		1-1/2" ANSI Class 150 Flange-Kynar Flow Body With 6" Hastelloy Probe Chlorine-Trak™ In-line Mass Flow Meter (Sierra 760S K5).....	8,109.01	133.64
			Note: Maximum flow 45 SCFM.		
46 82 83 00-2336	EA		2" ANSI Class 150 Flange-Kynar Flow Body With 6" Hastelloy Probe Chlorine-Trak™ In-line Mass Flow Meter (Sierra 760S K6).....	8,194.10	152.11
			Note: Maximum flow 75 SCFM.		
46 82 83 00-2337	EA		3" ANSI Class 150 Flange-Kynar Flow Body With 6" Hastelloy Probe Chlorine-Trak™ In-line Mass Flow Meter (Sierra 760S K7).....	8,489.86	176.14
			Note: Maximum flow 175 SCFM.		
46 82 83 00-2338	EA		4" ANSI Class 150 Flange-Kynar Flow Body With 6" Hastelloy Probe Chlorine-Trak™ In-line Mass Flow Meter (Sierra 760S K8).....	8,938.25	251.43
			Note: Maximum flow 300 SCFM.		
46 82 83 00-2339	EA		Hazardous Area Location Electronics Enclosure, NEMA 4X Mounted Directly On Probe (Sierra 760S E2).....	1,013.81	300.70
46 82 83 00-2340	EA		Remote Hazardous-Area Location Electronics Enclosure (IP66) With Junction Box (Sierra 760S E4 ( )) .....	1,128.03	32.59
			Note: Specify cable length in parenthesis. Maximum 200' from flow body; includes (IP66) junction box mounted on probe and mounting bracket (304SS). VTP E4 not cFMus, ATEX/IECEX, or CE approved.		
46 82 83 00-2341	LF		>10' Cable Length For Remote Hazardous-Area Location Electronics Enclosure (Sierra 760S ) .....	5.80	
46 82 83 00-2342	EA		Remote NEMA 4X (IP65) Electronics Enclosure With Junction Box (Sierra 760S EN4 ( )) .....	735.79	32.59
			Note: Mounted up to 200' away from the probe with junction box mounted on probe. Includes remote electronics enclosure mounting bracket and 1/2" female NPT connection.		
46 82 83 00-2343	LF		>10' Cable Length For Remote NEMA 4X (IP65) Electronics Enclosure (Sierra 760S ) .....	5.80	
46 82 83 00-2344	EA		100-240 VAC Input Power (Sierra 760S P3) .....	212.99	
			Note: Not available with EN enclosures.		
46 82 83 00-2345	EA		0-10 VDC, Linear Output (Sierra 760S V3).....	85.41	
46 82 83 00-2346	EA		2 x 12 Digit, Backlit, Digital Display (Sierra 760S DD) .....	141.29	
			Note: LCD display indicates flow rate and totalized mass in engineering units. Simplifies configuration settings and provides system status information.		
46 82 83 00-2347	EA		Totalizer Pulse Output Digital Communication Option (Sierra 760S Pulse) .....	141.29	
			Note: Only available with E2/E4 enclosures with DD. Available on all EN2 enclosures.		
46 82 83 00-2348	EA		Profibus DP Using A M12 Connector With Full Device Description Digital Communication Option (Sierra 760S DP1) .....	404.89	
			Note: Available in E2/E4-P2 NAA only.		
46 82 83 00-2349	EA		Profibus DP Using A 2-Wire Terminal Block Connection With Full Device Description Digital Communication Option (Sierra 760S DP2).....	404.89	
			Note: Available in E2/E4-P2 configuration only.		
46 82 83 00-2350	EA		Modbus RTU With Full Device Description (P2 Only) Digital Communication Option (Sierra 760S MB) .....	404.89	
46 82 83 00-2351	EA		Foundation Fieldbus Full Device Description Digital Communication Option (Sierra 760S FF) .....	404.89	
			Note: Available E2/ E4-P2 configuration only; FM approval available.		
46 82 83 00-2352	EA		Universal Variables, Flow Totalizer, K-Factor, User Full Scale And Instantaneous Flow Digital Communication Option (Sierra 760S HART) .....	404.89	
			Note: Available E2-P2 /E4-P2) configuration only. FM approval available.		
46 82 83 00-2353	EA		1-Year Extended Warranty (Sierra 760S W1) .....	138.13	
			Note: One extra year of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional year, two years of coverage total.		
46 82 83 00-2354	EA		2-Year Extended Warranty (Sierra 760S W2).....	221.42	
			Note: Two extra years of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional two years, three years of coverage total.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>46 82 83 00-2355 Start Up And Training</b> <small>(46 82 83 00-1508)</small>		
46 82 83 00-2356 DAY Sierra Instruments Start Up And Training.....	1,054.40	
<b>46 82 83 00-2357 Flow Equipment (Toshiba)</b> <small>(46 82 83 00-0099)</small>		
<b>46 82 83 00-2358 Integral Type, PFA Teflon Liner, Electromagnetic Flow Meter (Toshiba LF654)</b> <small>(46 82 83 00-2357)</small>		
46 82 83 00-2359 EA 1/2" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654DL1FCCAAF2).....	2,823.97	34.90
<i>For Titanium (Ti) Electrode, Add</i>	419.67	
<i>For Platinum (Pt-Ir) Electrode, Add</i>	1,777.06	
<i>For Tantalum (Ta) Electrode, Add</i>	1,271.04	
<i>For 120 VAC Profibus Integral Converter Code 2P, Add</i>	655.74	
<i>For 24 VDC Hart Integral Converter Code D, Add</i>	382.52	
<i>For 24 VDC Profibus Integral Converter Code DP, Add</i>	1,038.26	
46 82 83 00-2360 EA 1" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654EL1FCCAAF2).....	2,983.36	54.88
<i>For Titanium (Ti) Electrode, Add</i>	419.67	
<i>For Platinum (Pt-Ir) Electrode, Add</i>	1,777.06	
<i>For Tantalum (Ta) Electrode, Add</i>	1,271.04	
<i>For 120 VAC Profibus Integral Converter Code 2P, Add</i>	655.74	
<i>For 24 VDC Hart Integral Converter Code D, Add</i>	382.52	
<i>For 24 VDC Profibus Integral Converter Code DP, Add</i>	1,038.26	
46 82 83 00-2361 EA 1-1/4" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654SL1FCCAAF2).....	3,027.67	63.22
<i>For Titanium (Ti) Electrode, Add</i>	419.67	
<i>For Platinum (Pt-Ir) Electrode, Add</i>	1,777.06	
<i>For Tantalum (Ta) Electrode, Add</i>	1,271.04	
<i>For 120 VAC Profibus Integral Converter Code 2P, Add</i>	655.74	
<i>For 24 VDC Hart Integral Converter Code D, Add</i>	382.52	
<i>For 24 VDC Profibus Integral Converter Code DP, Add</i>	1,038.26	
46 82 83 00-2362 EA 1-1/2" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654FL1FCCAAF2).....	3,052.03	80.09
<i>For Titanium (Ti) Electrode, Add</i>	419.67	
<i>For Platinum (Pt-Ir) Electrode, Add</i>	1,777.06	
<i>For Tantalum (Ta) Electrode, Add</i>	1,271.04	
<i>For 120 VAC Profibus Integral Converter Code 2P, Add</i>	655.74	
<i>For 24 VDC Hart Integral Converter Code D, Add</i>	382.52	
<i>For 24 VDC Profibus Integral Converter Code DP, Add</i>	1,038.26	
46 82 83 00-2363 EA 2" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654GL1FCCAAF2).....	3,145.24	96.94
<i>For Titanium (Ti) Electrode, Add</i>	419.67	
<i>For Platinum (Pt-Ir) Electrode, Add</i>	1,777.06	
<i>For Tantalum (Ta) Electrode, Add</i>	1,271.04	
<i>For 120 VAC Profibus Integral Converter Code 2P, Add</i>	655.74	
<i>For 24 VDC Hart Integral Converter Code D, Add</i>	382.52	
<i>For 24 VDC Profibus Integral Converter Code DP, Add</i>	1,038.26	
46 82 83 00-2364 EA 2-1/2" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654WL1FCCAAF2).....	3,465.55	105.75
<i>For Titanium (Ti) Electrode, Add</i>	419.67	
<i>For Platinum (Pt-Ir) Electrode, Add</i>	1,777.06	
<i>For Tantalum (Ta) Electrode, Add</i>	1,271.04	
<i>For 120 VAC Profibus Integral Converter Code 2P, Add</i>	655.74	
<i>For 24 VDC Hart Integral Converter Code D, Add</i>	382.52	
<i>For 24 VDC Profibus Integral Converter Code DP, Add</i>	1,038.26	
46 82 83 00-2365 EA 3" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654HL1FCCAAF2).....	3,485.87	123.76
<i>For Titanium (Ti) Electrode, Add</i>	419.67	
<i>For Platinum (Pt-Ir) Electrode, Add</i>	1,777.06	
<i>For Tantalum (Ta) Electrode, Add</i>	1,271.04	
<i>For 120 VAC Profibus Integral Converter Code 2P, Add</i>	655.74	
<i>For 24 VDC Hart Integral Converter Code D, Add</i>	382.52	
<i>For 24 VDC Profibus Integral Converter Code DP, Add</i>	1,038.26	
46 82 83 00-2366 EA 4" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654JL1FCCAAF2).....	3,783.18	207.74
<i>For Titanium (Ti) Electrode, Add</i>	419.67	
<i>For Platinum (Pt-Ir) Electrode, Add</i>	1,777.06	
<i>For Tantalum (Ta) Electrode, Add</i>	1,271.04	
<i>For 120 VAC Profibus Integral Converter Code 2P, Add</i>	655.74	
<i>For 24 VDC Hart Integral Converter Code D, Add</i>	382.52	
<i>For 24 VDC Profibus Integral Converter Code DP, Add</i>	1,038.26	

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2367	EA		6" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654KL1FCCAAF2).....	4,369.90	262.70
			<i>For Titanium (Ti) Electrode, Add</i>	419.67	
			<i>For Platinum (Pt-Ir) Electrode, Add</i>	1,777.06	
			<i>For Tantalum (Ta) Electrode, Add</i>	1,271.04	
			<i>For 120 VAC Profibus Integral Converter Code 2P, Add</i>	655.74	
			<i>For 24 VDC Hart Integral Converter Code D, Add</i>	382.52	
			<i>For 24 VDC Profibus Integral Converter Code DP, Add</i>	1,038.26	
46 82 83 00-2368	EA		8" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654LL1FCCAAF2).....	5,144.47	332.38
			<i>For Titanium (Ti) Electrode, Add</i>	419.67	
			<i>For Platinum (Pt-Ir) Electrode, Add</i>	1,777.06	
			<i>For Tantalum (Ta) Electrode, Add</i>	1,271.04	
			<i>For 120 VAC Profibus Integral Converter Code 2P, Add</i>	655.74	
			<i>For 24 VDC Hart Integral Converter Code D, Add</i>	382.52	
			<i>For 24 VDC Profibus Integral Converter Code DP, Add</i>	1,038.26	
46 82 83 00-2369	EA		10" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654ML1FCCAAF2).....	6,931.94	407.17
			<i>For Titanium (Ti) Electrode, Add</i>	419.67	
			<i>For Platinum (Pt-Ir) Electrode, Add</i>	1,777.06	
			<i>For Tantalum (Ta) Electrode, Add</i>	1,271.04	
			<i>For 120 VAC Profibus Integral Converter Code 2P, Add</i>	655.74	
			<i>For 24 VDC Hart Integral Converter Code D, Add</i>	382.52	
			<i>For 24 VDC Profibus Integral Converter Code DP, Add</i>	1,038.26	
46 82 83 00-2370	EA		12" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654NL1FCCAAF2).....	7,947.02	493.55
			<i>For Titanium (Ti) Electrode, Add</i>	419.67	
			<i>For Platinum (Pt-Ir) Electrode, Add</i>	1,777.06	
			<i>For Tantalum (Ta) Electrode, Add</i>	1,271.04	
			<i>For 120 VAC Profibus Integral Converter Code 2P, Add</i>	655.74	
			<i>For 24 VDC Hart Integral Converter Code D, Add</i>	382.52	
			<i>For 24 VDC Profibus Integral Converter Code DP, Add</i>	1,038.26	
46 82 83 00-2371	EA		14" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654PL1FCCAAF2).....	10,189.43	581.69
			<i>For Titanium (Ti) Electrode, Add</i>	419.67	
			<i>For Platinum (Pt-Ir) Electrode, Add</i>	1,777.06	
			<i>For Tantalum (Ta) Electrode, Add</i>	1,271.04	
			<i>For 120 VAC Profibus Integral Converter Code 2P, Add</i>	655.74	
			<i>For 24 VDC Hart Integral Converter Code D, Add</i>	382.52	
			<i>For 24 VDC Profibus Integral Converter Code DP, Add</i>	1,038.26	
46 82 83 00-2372	EA		16" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654QL1FCCAAF2).....	12,381.27	639.85
			<i>For Titanium (Ti) Electrode, Add</i>	419.67	
			<i>For Platinum (Pt-Ir) Electrode, Add</i>	1,777.06	
			<i>For Tantalum (Ta) Electrode, Add</i>	1,271.04	
			<i>For 120 VAC Profibus Integral Converter Code 2P, Add</i>	655.74	
			<i>For 24 VDC Hart Integral Converter Code D, Add</i>	382.52	
			<i>For 24 VDC Profibus Integral Converter Code DP, Add</i>	1,038.26	
46 82 83 00-2373	EA		18" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654RL1FCCAAF2).....	15,169.08	709.65
			<i>For Titanium (Ti) Electrode, Add</i>	419.67	
			<i>For Platinum (Pt-Ir) Electrode, Add</i>	1,777.06	
			<i>For Tantalum (Ta) Electrode, Add</i>	1,271.04	
			<i>For 120 VAC Profibus Integral Converter Code 2P, Add</i>	655.74	
			<i>For 24 VDC Hart Integral Converter Code D, Add</i>	382.52	
			<i>For 24 VDC Profibus Integral Converter Code DP, Add</i>	1,038.26	
46 82 83 00-2374			<b>Remote Type, PFA Teflon Liner, Electromagnetic Flow Meter (Toshiba LF654)</b> <small>(46 82 83 00-2357)</small>		
46 82 83 00-2375	EA		1/2" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654DM1FCCAAF).....	1,705.93	34.90
			<i>For Titanium (Ti) Electrode, Add</i>	419.67	
			<i>For Platinum (Pt-Ir) Electrode, Add</i>	1,777.06	
			<i>For Tantalum (Ta) Electrode, Add</i>	1,271.04	
			<i>For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add</i>	1,445.91	
			<i>For 24 VDC Hart Code 12, Add</i>	2,034.98	
			<i>For 100-240 VAC Profibus Code 21, Add</i>	2,521.32	
			<i>For 100-240 VAC Modbus Code 31, Add</i>	2,521.32	
			<i>For 24 VDC Profibus Code 22, Add</i>	2,850.28	
			<i>For 24 VDC Modbus Code 32, Add</i>	2,850.28	



<b>Water And Wastewater Equipment</b>	<b>46</b>
<b>Water Treatment Equipment</b>	<b>46 80</b>
<b>General Water Treatment Equipment</b>	<b>46 82</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2376 EA 1" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654EM1FCAAF) .....	1,865.33	54.88
<i>For Titanium (Ti) Electrode, Add</i>	419.67	
<i>For Platinum (Pt-Ir) Electrode, Add</i>	1,777.06	
<i>For Tantalum (Ta) Electrode, Add</i>	1,271.04	
<i>For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add</i>	1,445.91	
<i>For 24 VDC Hart Code 12, Add</i>	2,034.98	
<i>For 100-240 VAC Profibus Code 21, Add</i>	2,521.32	
<i>For 100-240 VAC Modbus Code 31, Add</i>	2,521.32	
<i>For 24 VDC Profibus Code 22, Add</i>	2,850.28	
<i>For 24 VDC Modbus Code 32, Add</i>	2,850.28	
46 82 83 00-2377 EA 1-1/4" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654SM1FCAAF) .....	1,909.64	63.22
<i>For Titanium (Ti) Electrode, Add</i>	419.67	
<i>For Platinum (Pt-Ir) Electrode, Add</i>	1,777.06	
<i>For Tantalum (Ta) Electrode, Add</i>	1,271.04	
<i>For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add</i>	1,445.91	
<i>For 24 VDC Hart Code 12, Add</i>	2,034.98	
<i>For 100-240 VAC Profibus Code 21, Add</i>	2,521.32	
<i>For 100-240 VAC Modbus Code 31, Add</i>	2,521.32	
<i>For 24 VDC Profibus Code 22, Add</i>	2,850.28	
<i>For 24 VDC Modbus Code 32, Add</i>	2,850.28	
46 82 83 00-2378 EA 1-1/2" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654FM1FCAAF) .....	1,934.00	80.09
<i>For Titanium (Ti) Electrode, Add</i>	419.67	
<i>For Platinum (Pt-Ir) Electrode, Add</i>	1,777.06	
<i>For Tantalum (Ta) Electrode, Add</i>	1,271.04	
<i>For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add</i>	1,445.91	
<i>For 24 VDC Hart Code 12, Add</i>	2,034.98	
<i>For 100-240 VAC Profibus Code 21, Add</i>	2,521.32	
<i>For 100-240 VAC Modbus Code 31, Add</i>	2,521.32	
<i>For 24 VDC Profibus Code 22, Add</i>	2,850.28	
<i>For 24 VDC Modbus Code 32, Add</i>	2,850.28	
46 82 83 00-2379 EA 2" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654GM1FCAAF) .....	2,027.21	96.94
<i>For Titanium (Ti) Electrode, Add</i>	419.67	
<i>For Platinum (Pt-Ir) Electrode, Add</i>	1,777.06	
<i>For Tantalum (Ta) Electrode, Add</i>	1,271.04	
<i>For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add</i>	1,445.91	
<i>For 24 VDC Hart Code 12, Add</i>	2,034.98	
<i>For 100-240 VAC Profibus Code 21, Add</i>	2,521.32	
<i>For 100-240 VAC Modbus Code 31, Add</i>	2,521.32	
<i>For 24 VDC Profibus Code 22, Add</i>	2,850.28	
<i>For 24 VDC Modbus Code 32, Add</i>	2,850.28	
46 82 83 00-2380 EA 2-1/2" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654WM1FCAAF) .....	2,347.52	105.75
<i>For Titanium (Ti) Electrode, Add</i>	419.67	
<i>For Platinum (Pt-Ir) Electrode, Add</i>	1,777.06	
<i>For Tantalum (Ta) Electrode, Add</i>	1,271.04	
<i>For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add</i>	1,445.91	
<i>For 24 VDC Hart Code 12, Add</i>	2,034.98	
<i>For 100-240 VAC Profibus Code 21, Add</i>	2,521.32	
<i>For 100-240 VAC Modbus Code 31, Add</i>	2,521.32	
<i>For 24 VDC Profibus Code 22, Add</i>	2,850.28	
<i>For 24 VDC Modbus Code 32, Add</i>	2,850.28	
46 82 83 00-2381 EA 3" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654HM1FCAAF) .....	2,367.83	123.76
<i>For Titanium (Ti) Electrode, Add</i>	419.67	
<i>For Platinum (Pt-Ir) Electrode, Add</i>	1,777.06	
<i>For Tantalum (Ta) Electrode, Add</i>	1,271.04	
<i>For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add</i>	1,445.91	
<i>For 24 VDC Hart Code 12, Add</i>	2,034.98	
<i>For 100-240 VAC Profibus Code 21, Add</i>	2,521.32	
<i>For 100-240 VAC Modbus Code 31, Add</i>	2,521.32	
<i>For 24 VDC Profibus Code 22, Add</i>	2,850.28	
<i>For 24 VDC Modbus Code 32, Add</i>	2,850.28	
46 82 83 00-2382 EA 4" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654JM1FCAAF) .....	2,665.14	207.74
<i>For Titanium (Ti) Electrode, Add</i>	419.67	
<i>For Platinum (Pt-Ir) Electrode, Add</i>	1,777.06	
<i>For Tantalum (Ta) Electrode, Add</i>	1,271.04	
<i>For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add</i>	1,445.91	
<i>For 24 VDC Hart Code 12, Add</i>	2,034.98	
<i>For 100-240 VAC Profibus Code 21, Add</i>	2,521.32	
<i>For 100-240 VAC Modbus Code 31, Add</i>	2,521.32	
<i>For 24 VDC Profibus Code 22, Add</i>	2,850.28	
<i>For 24 VDC Modbus Code 32, Add</i>	2,850.28	

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2383	EA		6" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654KM1FCAAF) .....	3,251.87	262.70
			For Titanium (Ti) Electrode, Add	419.67	
			For Platinum (Pt-Ir) Electrode, Add	1,777.06	
			For Tantalum (Ta) Electrode, Add	1,271.04	
			For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add	1,445.91	
			For 24 VDC Hart Code 12, Add	2,034.98	
			For 100-240 VAC Profibus Code 21, Add	2,521.32	
			For 100-240 VAC Modbus Code 31, Add	2,521.32	
			For 24 VDC Profibus Code 22, Add	2,850.28	
			For 24 VDC Modbus Code 32, Add	2,850.28	
46 82 83 00-2384	EA		8" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654LM1FCAAF).....	4,026.43	332.38
			For Titanium (Ti) Electrode, Add	419.67	
			For Platinum (Pt-Ir) Electrode, Add	1,777.06	
			For Tantalum (Ta) Electrode, Add	1,271.04	
			For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add	1,445.91	
			For 24 VDC Hart Code 12, Add	2,034.98	
			For 100-240 VAC Profibus Code 21, Add	2,521.32	
			For 100-240 VAC Modbus Code 31, Add	2,521.32	
			For 24 VDC Profibus Code 22, Add	2,850.28	
			For 24 VDC Modbus Code 32, Add	2,850.28	
46 82 83 00-2385	EA		10" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654MM1FCAAF) .....	5,813.91	407.17
			For Titanium (Ti) Electrode, Add	419.67	
			For Platinum (Pt-Ir) Electrode, Add	1,777.06	
			For Tantalum (Ta) Electrode, Add	1,271.04	
			For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add	1,445.91	
			For 24 VDC Hart Code 12, Add	2,034.98	
			For 100-240 VAC Profibus Code 21, Add	2,521.32	
			For 100-240 VAC Modbus Code 31, Add	2,521.32	
			For 24 VDC Profibus Code 22, Add	2,850.28	
			For 24 VDC Modbus Code 32, Add	2,850.28	
46 82 83 00-2386	EA		12" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654NM1FCAAF) .....	6,828.98	493.55
			For Titanium (Ti) Electrode, Add	419.67	
			For Platinum (Pt-Ir) Electrode, Add	1,777.06	
			For Tantalum (Ta) Electrode, Add	1,271.04	
			For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add	1,445.91	
			For 24 VDC Hart Code 12, Add	2,034.98	
			For 100-240 VAC Profibus Code 21, Add	2,521.32	
			For 100-240 VAC Modbus Code 31, Add	2,521.32	
			For 24 VDC Profibus Code 22, Add	2,850.28	
			For 24 VDC Modbus Code 32, Add	2,850.28	
46 82 83 00-2387	EA		14" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654PM1FCAAF).....	9,071.39	581.69
			For Titanium (Ti) Electrode, Add	419.67	
			For Platinum (Pt-Ir) Electrode, Add	1,777.06	
			For Tantalum (Ta) Electrode, Add	1,271.04	
			For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add	1,445.91	
			For 24 VDC Hart Code 12, Add	2,034.98	
			For 100-240 VAC Profibus Code 21, Add	2,521.32	
			For 100-240 VAC Modbus Code 31, Add	2,521.32	
			For 24 VDC Profibus Code 22, Add	2,850.28	
			For 24 VDC Modbus Code 32, Add	2,850.28	
46 82 83 00-2388	EA		16" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654QM1FCAAF) .....	11,263.23	639.85
			For Titanium (Ti) Electrode, Add	419.67	
			For Platinum (Pt-Ir) Electrode, Add	1,777.06	
			For Tantalum (Ta) Electrode, Add	1,271.04	
			For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add	1,445.91	
			For 24 VDC Hart Code 12, Add	2,034.98	
			For 100-240 VAC Profibus Code 21, Add	2,521.32	
			For 100-240 VAC Modbus Code 31, Add	2,521.32	
			For 24 VDC Profibus Code 22, Add	2,850.28	
			For 24 VDC Modbus Code 32, Add	2,850.28	
46 82 83 00-2389	EA		18" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654RM1FCAAF) .....	14,051.04	709.65
			For Titanium (Ti) Electrode, Add	419.67	
			For Platinum (Pt-Ir) Electrode, Add	1,777.06	
			For Tantalum (Ta) Electrode, Add	1,271.04	
			For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add	1,445.91	
			For 24 VDC Hart Code 12, Add	2,034.98	
			For 100-240 VAC Profibus Code 21, Add	2,521.32	
			For 100-240 VAC Modbus Code 31, Add	2,521.32	
			For 24 VDC Profibus Code 22, Add	2,850.28	
			For 24 VDC Modbus Code 32, Add	2,850.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>46 82 83 00-2390</b> <b>Integral Type, Hard Rubber Liner, Electromagnetic Flow Meter (Toshiba LF654)</b> <small>(46 82 83 00-2357)</small>		
46 82 83 00-2391    EA    4" Integral Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring, 120 VAC HART Integral Converter Electromagnetic Flow Meter (Toshiba LF654JL1BECAAF2) .....	3,534.00	207.74
For Titanium (Ti) Electrode, Add	419.67	
For Platinum (Pt-Ir) Electrode, Add	1,777.06	
For Tantalum (Ta) Electrode, Add	1,271.04	
For 120 VAC Profibus Integral Converter Code 2P, Add	655.74	
For 24 VDC Hart Integral Converter Code D, Add	382.52	
For 24 VDC Profibus Integral Converter Code DP, Add	1,038.26	
For 24 VDC Profibus Code 22, Add	2,850.28	
46 82 83 00-2392    EA    6" Integral Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring, 120 VAC HART Integral Converter Electromagnetic Flow Meter (Toshiba LF654KL1BECAAF2) .....	3,933.84	262.70
For Titanium (Ti) Electrode, Add	419.67	
For Platinum (Pt-Ir) Electrode, Add	1,777.06	
For Tantalum (Ta) Electrode, Add	1,271.04	
For 120 VAC Profibus Integral Converter Code 2P, Add	655.74	
For 24 VDC Hart Integral Converter Code D, Add	382.52	
For 24 VDC Profibus Integral Converter Code DP, Add	1,038.26	
For 24 VDC Profibus Code 22, Add	2,850.28	
46 82 83 00-2393    EA    8" Integral Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring, 120 VAC HART Integral Converter Electromagnetic Flow Meter (Toshiba LF654LL1BECAAF2) .....	4,329.16	332.38
For Titanium (Ti) Electrode, Add	419.67	
For Platinum (Pt-Ir) Electrode, Add	1,777.06	
For Tantalum (Ta) Electrode, Add	1,271.04	
For 120 VAC Profibus Integral Converter Code 2P, Add	655.74	
For 24 VDC Hart Integral Converter Code D, Add	382.52	
For 24 VDC Profibus Integral Converter Code DP, Add	1,038.26	
For 24 VDC Profibus Code 22, Add	2,850.28	
46 82 83 00-2394    EA    10" Integral Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring, 120 VAC HART Integral Converter Electromagnetic Flow Meter (Toshiba LF654ML1BECAAF2) .....	5,869.64	407.17
For Titanium (Ti) Electrode, Add	419.67	
For Platinum (Pt-Ir) Electrode, Add	1,777.06	
For Tantalum (Ta) Electrode, Add	1,271.04	
For 120 VAC Profibus Integral Converter Code 2P, Add	655.74	
For 24 VDC Hart Integral Converter Code D, Add	382.52	
For 24 VDC Profibus Integral Converter Code DP, Add	1,038.26	
For 24 VDC Profibus Code 22, Add	2,850.28	
46 82 83 00-2395    EA    12" Integral Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring, 120 VAC HART Integral Converter Electromagnetic Flow Meter (Toshiba LF654NL1BECAAF2) .....	6,951.39	493.55
For Titanium (Ti) Electrode, Add	419.67	
For Platinum (Pt-Ir) Electrode, Add	1,777.06	
For Tantalum (Ta) Electrode, Add	1,271.04	
For 120 VAC Profibus Integral Converter Code 2P, Add	655.74	
For 24 VDC Hart Integral Converter Code D, Add	382.52	
For 24 VDC Profibus Integral Converter Code DP, Add	1,038.26	
For 24 VDC Profibus Code 22, Add	2,850.28	
46 82 83 00-2396    EA    14" Integral Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring, 120 VAC HART Integral Converter Electromagnetic Flow Meter (Toshiba LF654PL1BECAAF2) .....	8,746.80	581.69
For Titanium (Ti) Electrode, Add	419.67	
For Platinum (Pt-Ir) Electrode, Add	1,777.06	
For Tantalum (Ta) Electrode, Add	1,271.04	
For 120 VAC Profibus Integral Converter Code 2P, Add	655.74	
For 24 VDC Hart Integral Converter Code D, Add	382.52	
For 24 VDC Profibus Integral Converter Code DP, Add	1,038.26	
For 24 VDC Profibus Code 22, Add	2,850.28	
46 82 83 00-2397    EA    16" Integral Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring, 120 VAC HART Integral Converter Electromagnetic Flow Meter (Toshiba LF654QL1BECAAF2) .....	9,953.94	639.85
For Titanium (Ti) Electrode, Add	419.67	
For Platinum (Pt-Ir) Electrode, Add	1,777.06	
For Tantalum (Ta) Electrode, Add	1,271.04	
For 120 VAC Profibus Integral Converter Code 2P, Add	655.74	
For 24 VDC Hart Integral Converter Code D, Add	382.52	
For 24 VDC Profibus Integral Converter Code DP, Add	1,038.26	
For 24 VDC Profibus Code 22, Add	2,850.28	
46 82 83 00-2398    EA    18" Integral Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring, 120 VAC HART Integral Converter Electromagnetic Flow Meter (Toshiba LF654RL1BECAAF2) .....	12,106.77	709.65
For Titanium (Ti) Electrode, Add	419.67	
For Platinum (Pt-Ir) Electrode, Add	1,777.06	
For Tantalum (Ta) Electrode, Add	1,271.04	
For 120 VAC Profibus Integral Converter Code 2P, Add	655.74	
For 24 VDC Hart Integral Converter Code D, Add	382.52	
For 24 VDC Profibus Integral Converter Code DP, Add	1,038.26	
For 24 VDC Profibus Code 22, Add	2,850.28	

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>46 82 83 00-2399 Remote Type, Hard Rubber Liner, Electromagnetic Flow Meter (Toshiba LF654)</b> <small>(46 82 83 00-2357)</small>		
46 82 83 00-2400 EA 4" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654JL1BECAAF) .....	2,415.96	207.74
For Titanium (Ti) Electrode, Add	419.67	
For Platinum (Pt-Ir) Electrode, Add	1,777.06	
For Tantalum (Ta) Electrode, Add	1,271.04	
For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add	1,445.91	
For 24 VDC Hart Code 12, Add	2,034.98	
For 100-240 VAC Profibus Code 21, Add	2,521.32	
For 100-240 VAC Modbus Code 31, Add	2,521.32	
For 24 VDC Profibus Code 22, Add	2,850.28	
For 24 VDC Modbus Code 32, Add	2,850.28	
46 82 83 00-2401 EA 6" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654KL1BECAAF) .....	2,815.80	262.70
For Titanium (Ti) Electrode, Add	419.67	
For Platinum (Pt-Ir) Electrode, Add	1,777.06	
For Tantalum (Ta) Electrode, Add	1,271.04	
For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add	1,445.91	
For 24 VDC Hart Code 12, Add	2,034.98	
For 100-240 VAC Profibus Code 21, Add	2,521.32	
For 100-240 VAC Modbus Code 31, Add	2,521.32	
For 24 VDC Profibus Code 22, Add	2,850.28	
For 24 VDC Modbus Code 32, Add	2,850.28	
46 82 83 00-2402 EA 8" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654LL1BECAAF) .....	3,211.13	332.38
For Titanium (Ti) Electrode, Add	419.67	
For Platinum (Pt-Ir) Electrode, Add	1,777.06	
For Tantalum (Ta) Electrode, Add	1,271.04	
For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add	1,445.91	
For 24 VDC Hart Code 12, Add	2,034.98	
For 100-240 VAC Profibus Code 21, Add	2,521.32	
For 100-240 VAC Modbus Code 31, Add	2,521.32	
For 24 VDC Profibus Code 22, Add	2,850.28	
For 24 VDC Modbus Code 32, Add	2,850.28	
46 82 83 00-2403 EA 10" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654ML1BECAAF) .....	4,751.61	407.17
For Titanium (Ti) Electrode, Add	419.67	
For Platinum (Pt-Ir) Electrode, Add	1,777.06	
For Tantalum (Ta) Electrode, Add	1,271.04	
For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add	1,445.91	
For 24 VDC Hart Code 12, Add	2,034.98	
For 100-240 VAC Profibus Code 21, Add	2,521.32	
For 100-240 VAC Modbus Code 31, Add	2,521.32	
For 24 VDC Profibus Code 22, Add	2,850.28	
For 24 VDC Modbus Code 32, Add	2,850.28	
46 82 83 00-2404 EA 12" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654NL1BECAAF) .....	5,833.35	493.55
For Titanium (Ti) Electrode, Add	419.67	
For Platinum (Pt-Ir) Electrode, Add	1,777.06	
For Tantalum (Ta) Electrode, Add	1,271.04	
For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add	1,445.91	
For 24 VDC Hart Code 12, Add	2,034.98	
For 100-240 VAC Profibus Code 21, Add	2,521.32	
For 100-240 VAC Modbus Code 31, Add	2,521.32	
For 24 VDC Profibus Code 22, Add	2,850.28	
For 24 VDC Modbus Code 32, Add	2,850.28	
46 82 83 00-2405 EA 14" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654PL1BECAAF) .....	7,628.76	581.69
For Titanium (Ti) Electrode, Add	419.67	
For Platinum (Pt-Ir) Electrode, Add	1,777.06	
For Tantalum (Ta) Electrode, Add	1,271.04	
For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add	1,445.91	
For 24 VDC Hart Code 12, Add	2,034.98	
For 100-240 VAC Profibus Code 21, Add	2,521.32	
For 100-240 VAC Modbus Code 31, Add	2,521.32	
For 24 VDC Profibus Code 22, Add	2,850.28	
For 24 VDC Modbus Code 32, Add	2,850.28	
46 82 83 00-2406 EA 16" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654QL1BECAAF) .....	8,835.90	639.85
For Titanium (Ti) Electrode, Add	419.67	
For Platinum (Pt-Ir) Electrode, Add	1,777.06	
For Tantalum (Ta) Electrode, Add	1,271.04	
For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add	1,445.91	
For 24 VDC Hart Code 12, Add	2,034.98	
For 100-240 VAC Profibus Code 21, Add	2,521.32	
For 100-240 VAC Modbus Code 31, Add	2,521.32	
For 24 VDC Profibus Code 22, Add	2,850.28	
For 24 VDC Modbus Code 32, Add	2,850.28	



<b>Water And Wastewater Equipment</b>	<b>46</b>
<b>Water Treatment Equipment</b>	<b>46 80</b>
<b>General Water Treatment Equipment</b>	<b>46 82</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2407	EA		18" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFmus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654RL1BECAAF) .....	10,988.73	709.65
			<i>For Titanium (Ti) Electrode, Add</i>	419.67	
			<i>For Platinum (Pt-Ir) Electrode, Add</i>	1,777.06	
			<i>For Tantalum (Ta) Electrode, Add</i>	1,271.04	
			<i>For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add</i>	1,445.91	
			<i>For 24 VDC Hart Code 12, Add</i>	2,034.98	
			<i>For 100-240 VAC Profibus Code 21, Add</i>	2,521.32	
			<i>For 100-240 VAC Modbus Code 31, Add</i>	2,521.32	
			<i>For 24 VDC Profibus Code 22, Add</i>	2,850.28	
			<i>For 24 VDC Modbus Code 32, Add</i>	2,850.28	
<b>46 82 83 00-2408</b>			<b>Remote Type, Chloroprene Liner, Electromagnetic Flow Meter (Toshiba LF450)</b> <small>(46 82 83 00-2357)</small>		
46 82 83 00-2409	EA		20" Remote Type, Chloroprene Liner, 316L Stainless Steel Electrodes, ANSI 150 Flange, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF4505MCBEJAAB) .....	12,367.75	679.74
			<i>For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add</i>	1,445.91	
			<i>For 24 VDC Hart Code 12, Add</i>	2,034.98	
			<i>For 100-240 VAC Profibus Code 21, Add</i>	2,521.32	
			<i>For 24 VDC Profibus Code 22, Add</i>	2,850.28	
46 82 83 00-2410	EA		24" Remote Type, Chloroprene Liner, 316L Stainless Steel Electrodes, ANSI 150 Flange, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF4506MCBEJAAB) .....	15,073.44	834.23
			<i>For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add</i>	1,445.91	
			<i>For 24 VDC Hart Code 12, Add</i>	2,034.98	
			<i>For 100-240 VAC Profibus Code 21, Add</i>	2,521.32	
			<i>For 24 VDC Profibus Code 22, Add</i>	2,850.28	
<b>46 82 83 00-2411</b>			<b>Remote Type, Natural Rubber Liner, Electromagnetic Flow Meter (Toshiba LF664)</b> <small>(46 82 83 00-2357)</small>		
46 82 83 00-2412	EA		20" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF66450BCKNBAF) .....	9,985.23	679.74
			<i>For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add</i>	1,445.91	
			<i>For 24 VDC Hart Code 12, Add</i>	2,034.98	
			<i>For 100-240 VAC Profibus Code 21, Add</i>	2,521.32	
			<i>For 100-240 VAC Modbus Code 31, Add</i>	2,521.32	
			<i>For 24 VDC Profibus Code 22, Add</i>	2,850.28	
			<i>For 24 VDC Modbus Code 32, Add</i>	2,850.28	
46 82 83 00-2413	EA		24" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF66460BCKNBAF) .....	12,436.27	834.23
			<i>For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add</i>	1,445.91	
			<i>For 24 VDC Hart Code 12, Add</i>	2,034.98	
			<i>For 100-240 VAC Profibus Code 21, Add</i>	2,521.32	
			<i>For 100-240 VAC Modbus Code 31, Add</i>	2,521.32	
			<i>For 24 VDC Profibus Code 22, Add</i>	2,850.28	
			<i>For 24 VDC Modbus Code 32, Add</i>	2,850.28	
46 82 83 00-2414	EA		28" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF66470BCKNBAF) .....	16,021.39	1,096.85
			<i>For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add</i>	1,445.91	
			<i>For 24 VDC Hart Code 12, Add</i>	2,034.98	
			<i>For 100-240 VAC Profibus Code 21, Add</i>	2,521.32	
			<i>For 100-240 VAC Modbus Code 31, Add</i>	2,521.32	
			<i>For 24 VDC Profibus Code 22, Add</i>	2,850.28	
			<i>For 24 VDC Modbus Code 32, Add</i>	2,850.28	
46 82 83 00-2415	EA		30" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF66475BCKNBAF) .....	18,169.35	1,359.49
			<i>For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add</i>	1,445.91	
			<i>For 24 VDC Hart Code 12, Add</i>	2,034.98	
			<i>For 100-240 VAC Profibus Code 21, Add</i>	2,521.32	
			<i>For 100-240 VAC Modbus Code 31, Add</i>	2,521.32	
			<i>For 24 VDC Profibus Code 22, Add</i>	2,850.28	
			<i>For 24 VDC Modbus Code 32, Add</i>	2,850.28	
46 82 83 00-2416	EA		32" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF66480BCKNBAF) .....	20,270.08	1,586.07
			<i>For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add</i>	1,445.91	
			<i>For 24 VDC Hart Code 12, Add</i>	2,034.98	
			<i>For 100-240 VAC Profibus Code 21, Add</i>	2,521.32	
			<i>For 100-240 VAC Modbus Code 31, Add</i>	2,521.32	
			<i>For 24 VDC Profibus Code 22, Add</i>	2,850.28	
			<i>For 24 VDC Modbus Code 32, Add</i>	2,850.28	
46 82 83 00-2417	EA		36" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF66490BCKNBAF) .....	24,195.94	1,812.65
			<i>For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add</i>	1,445.91	
			<i>For 24 VDC Hart Code 12, Add</i>	2,034.98	
			<i>For 100-240 VAC Profibus Code 21, Add</i>	2,521.32	
			<i>For 100-240 VAC Modbus Code 31, Add</i>	2,521.32	
			<i>For 24 VDC Profibus Code 22, Add</i>	2,850.28	
			<i>For 24 VDC Modbus Code 32, Add</i>	2,850.28	



**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2418	EA		40" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF664A0BCKNBAF) .....	32,777.71	2,265.80
			For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add	1,445.91	
			For 24 VDC Hart Code 12, Add	2,034.98	
			For 100-240 VAC Profibus Code 21, Add	2,521.32	
			For 100-240 VAC Modbus Code 31, Add	2,521.32	
			For 24 VDC Profibus Code 22, Add	2,850.28	
			For 24 VDC Modbus Code 32, Add	2,850.28	
46 82 83 00-2419	EA		42" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF664A1BCKNBAF) .....	37,038.17	2,718.96
			For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add	1,445.91	
			For 24 VDC Hart Code 12, Add	2,034.98	
			For 100-240 VAC Profibus Code 21, Add	2,521.32	
			For 100-240 VAC Modbus Code 31, Add	2,521.32	
			For 24 VDC Profibus Code 22, Add	2,850.28	
			For 24 VDC Modbus Code 32, Add	2,850.28	
46 82 83 00-2420	EA		48" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF664A2BCKNBAF) .....	46,720.66	3,398.71
			For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add	1,445.91	
			For 24 VDC Hart Code 12, Add	2,034.98	
			For 100-240 VAC Profibus Code 21, Add	2,521.32	
			For 100-240 VAC Modbus Code 31, Add	2,521.32	
			For 24 VDC Profibus Code 22, Add	2,850.28	
			For 24 VDC Modbus Code 32, Add	2,850.28	
46 82 83 00-2421	EA		54" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF664A3BCKNBAF) .....	57,527.75	4,078.45
			For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add	1,445.91	
			For 24 VDC Hart Code 12, Add	2,034.98	
			For 100-240 VAC Profibus Code 21, Add	2,521.32	
			For 100-240 VAC Modbus Code 31, Add	2,521.32	
			For 24 VDC Profibus Code 22, Add	2,850.28	
			For 24 VDC Modbus Code 32, Add	2,850.28	
46 82 83 00-2422	EA		60" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF664A5BCKNBAF) .....	70,750.69	4,894.14
			For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add	1,445.91	
			For 24 VDC Hart Code 12, Add	2,034.98	
			For 100-240 VAC Profibus Code 21, Add	2,521.32	
			For 100-240 VAC Modbus Code 31, Add	2,521.32	
			For 24 VDC Profibus Code 22, Add	2,850.28	
			For 24 VDC Modbus Code 32, Add	2,850.28	
46 82 83 00-2423	EA		66" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF664A7BCKNBAF) .....	81,318.77	5,383.55
			For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add	1,445.91	
			For 24 VDC Hart Code 12, Add	2,034.98	
			For 100-240 VAC Profibus Code 21, Add	2,521.32	
			For 100-240 VAC Modbus Code 31, Add	2,521.32	
			For 24 VDC Profibus Code 22, Add	2,850.28	
			For 24 VDC Modbus Code 32, Add	2,850.28	
46 82 83 00-2424	EA		72" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF664A8BCKNBAF) .....	94,138.24	5,872.96
			For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add	1,445.91	
			For 24 VDC Hart Code 12, Add	2,034.98	
			For 100-240 VAC Profibus Code 21, Add	2,521.32	
			For 100-240 VAC Modbus Code 31, Add	2,521.32	
			For 24 VDC Profibus Code 22, Add	2,850.28	
			For 24 VDC Modbus Code 32, Add	2,850.28	
46 82 83 00-2425	EA		78" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF664A9BCKNBAF) .....	107,012.22	6,406.87
			For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add	1,445.91	
			For 24 VDC Hart Code 12, Add	2,034.98	
			For 100-240 VAC Profibus Code 21, Add	2,521.32	
			For 100-240 VAC Modbus Code 31, Add	2,521.32	
			For 24 VDC Profibus Code 22, Add	2,850.28	
			For 24 VDC Modbus Code 32, Add	2,850.28	
46 82 83 00-2426			Remote Type, Hard Rubber Liner, Electromagnetic Flow Meter (Toshiba LC664) <small>(46 82 83 00-2357)</small>		
46 82 83 00-2427	EA		20" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC66450BCKEBAF) .....	10,987.42	679.74
			For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add	1,445.91	
			For 24 VDC Hart Code 12, Add	2,034.98	
			For 100-240 VAC Profibus Code 21, Add	2,521.32	
			For 100-240 VAC Modbus Code 31, Add	2,521.32	
			For 24 VDC Profibus Code 22, Add	2,850.28	
			For 24 VDC Modbus Code 32, Add	2,850.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2428 EA 24" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC66460BCKEBAF) .....	14,156.50	834.23
<i>For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add</i>	1,445.91	
<i>For 24 VDC Hart Code 12, Add</i>	2,034.98	
<i>For 100-240 VAC Profibus Code 21, Add</i>	2,521.32	
<i>For 100-240 VAC Modbus Code 31, Add</i>	2,521.32	
<i>For 24 VDC Profibus Code 22, Add</i>	2,850.28	
<i>For 24 VDC Modbus Code 32, Add</i>	2,850.28	
46 82 83 00-2429 EA 28" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC66470BCKEBAF) .....	19,636.71	1,096.85
<i>For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add</i>	1,445.91	
<i>For 24 VDC Hart Code 12, Add</i>	2,034.98	
<i>For 100-240 VAC Profibus Code 21, Add</i>	2,521.32	
<i>For 100-240 VAC Modbus Code 31, Add</i>	2,521.32	
<i>For 24 VDC Profibus Code 22, Add</i>	2,850.28	
<i>For 24 VDC Modbus Code 32, Add</i>	2,850.28	
46 82 83 00-2430 EA 30" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC66475BCKEBAF) .....	22,460.08	1,359.49
<i>For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add</i>	1,445.91	
<i>For 24 VDC Hart Code 12, Add</i>	2,034.98	
<i>For 100-240 VAC Profibus Code 21, Add</i>	2,521.32	
<i>For 100-240 VAC Modbus Code 31, Add</i>	2,521.32	
<i>For 24 VDC Profibus Code 22, Add</i>	2,850.28	
<i>For 24 VDC Modbus Code 32, Add</i>	2,850.28	
46 82 83 00-2431 EA 32" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC66480BCKEBAF) .....	24,900.69	1,586.07
<i>For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add</i>	1,445.91	
<i>For 24 VDC Hart Code 12, Add</i>	2,034.98	
<i>For 100-240 VAC Profibus Code 21, Add</i>	2,521.32	
<i>For 100-240 VAC Modbus Code 31, Add</i>	2,521.32	
<i>For 24 VDC Profibus Code 22, Add</i>	2,850.28	
<i>For 24 VDC Modbus Code 32, Add</i>	2,850.28	
46 82 83 00-2432 EA 36" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC66490BCKEBAF) .....	30,097.60	1,812.65
<i>For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add</i>	1,445.91	
<i>For 24 VDC Hart Code 12, Add</i>	2,034.98	
<i>For 100-240 VAC Profibus Code 21, Add</i>	2,521.32	
<i>For 100-240 VAC Modbus Code 31, Add</i>	2,521.32	
<i>For 24 VDC Profibus Code 22, Add</i>	2,850.28	
<i>For 24 VDC Modbus Code 32, Add</i>	2,850.28	
46 82 83 00-2433 EA 40" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC664A0BCKEBAF) .....	39,934.02	2,265.80
<i>For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add</i>	1,445.91	
<i>For 24 VDC Hart Code 12, Add</i>	2,034.98	
<i>For 100-240 VAC Profibus Code 21, Add</i>	2,521.32	
<i>For 100-240 VAC Modbus Code 31, Add</i>	2,521.32	
<i>For 24 VDC Profibus Code 22, Add</i>	2,850.28	
<i>For 24 VDC Modbus Code 32, Add</i>	2,850.28	
46 82 83 00-2434 EA 42" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC664A1BCKEBAF) .....	44,194.48	2,718.96
<i>For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add</i>	1,445.91	
<i>For 24 VDC Hart Code 12, Add</i>	2,034.98	
<i>For 100-240 VAC Profibus Code 21, Add</i>	2,521.32	
<i>For 100-240 VAC Modbus Code 31, Add</i>	2,521.32	
<i>For 24 VDC Profibus Code 22, Add</i>	2,850.28	
<i>For 24 VDC Modbus Code 32, Add</i>	2,850.28	
46 82 83 00-2435 EA 48" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC664A2BCKEBAF) .....	56,694.47	3,398.71
<i>For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add</i>	1,445.91	
<i>For 24 VDC Hart Code 12, Add</i>	2,034.98	
<i>For 100-240 VAC Profibus Code 21, Add</i>	2,521.32	
<i>For 100-240 VAC Modbus Code 31, Add</i>	2,521.32	
<i>For 24 VDC Profibus Code 22, Add</i>	2,850.28	
<i>For 24 VDC Modbus Code 32, Add</i>	2,850.28	
46 82 83 00-2436 EA 54" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC664A3BCKEBAF) .....	69,828.34	4,078.45
<i>For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add</i>	1,445.91	
<i>For 24 VDC Hart Code 12, Add</i>	2,034.98	
<i>For 100-240 VAC Profibus Code 21, Add</i>	2,521.32	
<i>For 100-240 VAC Modbus Code 31, Add</i>	2,521.32	
<i>For 24 VDC Profibus Code 22, Add</i>	2,850.28	
<i>For 24 VDC Modbus Code 32, Add</i>	2,850.28	

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2437	EA		60" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC664A5BCKEBAF).....	86,132.17	4,894.14
			<i>For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add</i>	1,445.91	
			<i>For 24 VDC Hart Code 12, Add</i>	2,034.98	
			<i>For 100-240 VAC Profibus Code 21, Add</i>	2,521.32	
			<i>For 100-240 VAC Modbus Code 31, Add</i>	2,521.32	
			<i>For 24 VDC Profibus Code 22, Add</i>	2,850.28	
			<i>For 24 VDC Modbus Code 32, Add</i>	2,850.28	
46 82 83 00-2438	EA		66" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC664A7BCKEBAF).....	98,644.52	5,383.55
			<i>For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add</i>	1,445.91	
			<i>For 24 VDC Hart Code 12, Add</i>	2,034.98	
			<i>For 100-240 VAC Profibus Code 21, Add</i>	2,521.32	
			<i>For 100-240 VAC Modbus Code 31, Add</i>	2,521.32	
			<i>For 24 VDC Profibus Code 22, Add</i>	2,850.28	
			<i>For 24 VDC Modbus Code 32, Add</i>	2,850.28	
46 82 83 00-2439	EA		72" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC664A8BCKEBAF).....	115,095.69	5,872.96
			<i>For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add</i>	1,445.91	
			<i>For 24 VDC Hart Code 12, Add</i>	2,034.98	
			<i>For 100-240 VAC Profibus Code 21, Add</i>	2,521.32	
			<i>For 100-240 VAC Modbus Code 31, Add</i>	2,521.32	
			<i>For 24 VDC Profibus Code 22, Add</i>	2,850.28	
			<i>For 24 VDC Modbus Code 32, Add</i>	2,850.28	
46 82 83 00-2440	EA		78" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC664A9BCKEBAF).....	133,741.27	6,406.87
			<i>For 100-240 VAC, 50/60 Hz, 110 VDC Hart Code 11, Add</i>	1,445.91	
			<i>For 24 VDC Hart Code 12, Add</i>	2,034.98	
			<i>For 100-240 VAC Profibus Code 21, Add</i>	2,521.32	
			<i>For 100-240 VAC Modbus Code 31, Add</i>	2,521.32	
			<i>For 24 VDC Profibus Code 22, Add</i>	2,850.28	
			<i>For 24 VDC Modbus Code 32, Add</i>	2,850.28	
<b>46 82 83 00-2441</b>			<b>Microwave Density/Consistency Meter (Toshiba LQ500) (46 82 83 00-2357)</b>		
46 82 83 00-2442	EA		2" Spool Style, Separate Mounting Type, SCS14A Cast Pipe, UL/CUL Class I, Division II Certified, Microwave Density/Consistency Meter (Toshiba LQ500A05CCAA).....	25,804.34	96.94
			<i>For Teflon PFA Coating For Sticky Application (LQ500A05CCBA), Add</i>	1,967.22	
			<i>For 20 M Cable (LQ500CABLE20M), Add</i>	527.32	
			<i>For 30 M Cable (LQ500CABLE30M), Add</i>	620.22	
			<i>For 40 M Cable (LQ500CABLE40M), Add</i>	683.06	
			<i>For 50 M Cable (LQ500CABLE50M), Add</i>	749.18	
46 82 83 00-2443	EA		3" Spool Style, Separate Mounting Type, SCS14A Cast Pipe, UL/CUL Class I, Division II Certified, Microwave Density/Consistency Meter (Toshiba LQ500A08CCAA).....	25,837.86	123.76
			<i>For Teflon PFA Coating For Sticky Application (LQ500A08CCBA), Add</i>	2,185.80	
			<i>For 20 M Cable (LQ500CABLE20M), Add</i>	527.32	
			<i>For 30 M Cable (LQ500CABLE30M), Add</i>	620.22	
			<i>For 40 M Cable (LQ500CABLE40M), Add</i>	683.06	
			<i>For 50 M Cable (LQ500CABLE50M), Add</i>	749.18	
46 82 83 00-2444	EA		4" Spool Style, Separate Mounting Type, SCS14A Cast Pipe, UL/CUL Class I, Division II Certified, Microwave Density/Consistency Meter (Toshiba LQ500A10CCAA).....	26,489.27	207.74
			<i>For Teflon PFA Coating For Sticky Application (LQ500A10CCBA), Add</i>	2,404.38	
			<i>For 20 M Cable (LQ500CABLE20M), Add</i>	527.32	
			<i>For 30 M Cable (LQ500CABLE30M), Add</i>	620.22	
			<i>For 40 M Cable (LQ500CABLE40M), Add</i>	683.06	
			<i>For 50 M Cable (LQ500CABLE50M), Add</i>	749.18	
46 82 83 00-2445	EA		6" Spool Style, Separate Mounting Type, SCS14A Cast Pipe, UL/CUL Class I, Division II Certified, Microwave Density/Consistency Meter (Toshiba LQ500A15CCAA).....	26,557.96	262.70
			<i>For Teflon PFA Coating For Sticky Application (LQ500A15CCBA), Add</i>	3,060.12	
			<i>For 20 M Cable (LQ500CABLE20M), Add</i>	527.32	
			<i>For 30 M Cable (LQ500CABLE30M), Add</i>	620.22	
			<i>For 40 M Cable (LQ500CABLE40M), Add</i>	683.06	
			<i>For 50 M Cable (LQ500CABLE50M), Add</i>	749.18	
46 82 83 00-2446	EA		8" Spool Style, Separate Mounting Type, SCS14A Cast Pipe, UL/CUL Class I, Division II Certified, Microwave Density/Consistency Meter (Toshiba LQ500A20CCAA).....	27,191.54	332.38
			<i>For Teflon PFA Coating For Sticky Application (LQ500A20CCBA), Add</i>	3,715.86	
			<i>For 20 M Cable (LQ500CABLE20M), Add</i>	527.32	
			<i>For 30 M Cable (LQ500CABLE30M), Add</i>	620.22	
			<i>For 40 M Cable (LQ500CABLE40M), Add</i>	683.06	
			<i>For 50 M Cable (LQ500CABLE50M), Add</i>	749.18	
46 82 83 00-2447	EA		10" Spool Style, Separate Mounting Type, SCS14A Cast Pipe, UL/CUL Class I, Division II Certified, Microwave Density/Consistency Meter (Toshiba LQ500A25CCAA).....	27,558.25	407.17
			<i>For Teflon PFA Coating For Sticky Application (LQ500A25CCBA), Add</i>	4,153.02	
			<i>For 20 M Cable (LQ500CABLE20M), Add</i>	527.32	
			<i>For 30 M Cable (LQ500CABLE30M), Add</i>	620.22	
			<i>For 40 M Cable (LQ500CABLE40M), Add</i>	683.06	
			<i>For 50 M Cable (LQ500CABLE50M), Add</i>	749.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2448 EA 12" Spool Style, Separate Mounting Type, SCS14A Cast Pipe, UL/CUL Class I, Division II Certified, Microwave Density/Consistency Meter (Toshiba LQ500A30CCAA).....	27,939.44	493.55
For Teflon PFA Coating For Sticky Application (LQ500A30CCBA), Add	5,027.34	
For 20 M Cable (LQ500CABLE20M), Add	527.32	
For 30 M Cable (LQ500CABLE30M), Add	620.22	
For 40 M Cable (LQ500CABLE40M), Add	683.06	
For 50 M Cable (LQ500CABLE50M), Add	749.18	
46 82 83 00-2449 EA LQ500 Programming Software (Toshiba 3Y8A1606Z002) .....	655.74	
46 82 83 00-2450 EA RS232 Hart Modem For Density Meter (Toshiba VIATORRS232HART).....	874.32	
<b>46 82 83 00-2451 Toshiba Cable</b> <small>(46 82 83 00-2357)</small>		
46 82 83 00-2452 LF Toshiba Cable 2A .....	2.73	
46 82 83 00-2453 LF Toshiba Cable 3A .....	2.73	
<b>46 82 83 00-2454 Grounding Ring Material Options</b> <small>(46 82 83 00-2357)</small>		
46 82 83 00-2455 EA For 316L Stainless Steel Grounding Ring, Add On 1/2" Meter .....	498.36	
46 82 83 00-2456 EA For 316L Stainless Steel Grounding Ring, Add On 1" Meter .....	536.61	
46 82 83 00-2457 EA For 316L Stainless Steel Grounding Ring, Add On 1-1/2" Meter .....	540.99	
46 82 83 00-2458 EA For 316L Stainless Steel Grounding Ring, Add On 2" Meter .....	604.37	
46 82 83 00-2459 EA For 316L Stainless Steel Grounding Ring, Add On 3" Meter .....	876.51	
46 82 83 00-2460 EA For 316L Stainless Steel Grounding Ring, Add On 4" Meter .....	1,081.97	
46 82 83 00-2461 EA For 316L Stainless Steel Grounding Ring, Add On 6" Meter .....	1,730.06	
46 82 83 00-2462 EA For 316L Stainless Steel Grounding Ring, Add On 8" Meter .....	2,287.44	
46 82 83 00-2463 EA For 316L Stainless Steel Grounding Ring, Add On 10" Meter .....	3,143.18	
46 82 83 00-2464 EA For 316L Stainless Steel Grounding Ring, Add On 12" Meter .....	3,532.25	
46 82 83 00-2465 EA For 316L Stainless Steel Grounding Ring, Add On 14" Meter .....	4,148.65	
46 82 83 00-2466 EA For 316L Stainless Steel Grounding Ring, Add On 16" Meter .....	4,700.56	
46 82 83 00-2467 EA For Titanium (Ti) Grounding Ring, Add On 1/2" Meter .....	636.07	
46 82 83 00-2468 EA For Titanium (Ti) Grounding Ring, Add On 1" Meter .....	915.85	
46 82 83 00-2469 EA For Titanium (Ti) Grounding Ring, Add On 1-1/2" Meter .....	1,156.29	
46 82 83 00-2470 EA For Titanium (Ti) Grounding Ring, Add On 2" Meter .....	1,274.32	
46 82 83 00-2471 EA For Titanium (Ti) Grounding Ring, Add On 3" Meter .....	1,715.85	
46 82 83 00-2472 EA For Titanium (Ti) Grounding Ring, Add On 4" Meter .....	1,895.09	
46 82 83 00-2473 EA For Titanium (Ti) Grounding Ring, Add On 6" Meter .....	2,689.63	
46 82 83 00-2474 EA For Titanium (Ti) Grounding Ring, Add On 8" Meter .....	3,347.55	
46 82 83 00-2475 EA For Titanium (Ti) Grounding Ring, Add On 10" Meter .....	4,743.19	
46 82 83 00-2476 EA For Titanium (Ti) Grounding Ring, Add On 12" Meter .....	5,216.41	
46 82 83 00-2477 EA For Titanium (Ti) Grounding Ring, Add On 14" Meter .....	6,219.69	
46 82 83 00-2478 EA For Titanium (Ti) Grounding Ring, Add On 16" Meter .....	7,139.92	
46 82 83 00-2479 EA For Hastelloy C Grounding Ring, Add On 1/2" Meter .....	1,004.38	
46 82 83 00-2480 EA For Hastelloy C Grounding Ring, Add On 1" Meter .....	1,271.04	
46 82 83 00-2481 EA For Hastelloy C Grounding Ring, Add On 1-1/2" Meter .....	1,521.32	
46 82 83 00-2482 EA For Hastelloy C Grounding Ring, Add On 2" Meter .....	1,674.32	
46 82 83 00-2483 EA For Hastelloy C Grounding Ring, Add On 3" Meter .....	3,919.14	
46 82 83 00-2484 EA For Hastelloy C Grounding Ring, Add On 4" Meter .....	4,914.77	
46 82 83 00-2485 EA For Hastelloy C Grounding Ring, Add On 6" Meter .....	5,856.85	
46 82 83 00-2486 EA For Hastelloy C Grounding Ring, Add On 8" Meter .....	9,483.09	
46 82 83 00-2487 EA For Hastelloy C Grounding Ring, Add On 10" Meter .....	13,109.34	
46 82 83 00-2488 EA For Hastelloy C Grounding Ring, Add On 12" Meter .....	16,455.80	
46 82 83 00-2489 EA For Hastelloy C Grounding Ring, Add On 14" Meter .....	20,641.60	
46 82 83 00-2490 EA For Hastelloy C Grounding Ring, Add On 16" Meter .....	25,103.91	
<b>46 82 83 00-2491 Coating Options</b> <small>(46 82 83 00-2357)</small>		
46 82 83 00-2492 EA For 0.5mm Epoxy Coating Option, Add .....	1,114.76	
46 82 83 00-2493 EA For Epoxy Coat and Potting of Glands Submersible Option, Add .....	1,770.50	
46 82 83 00-2494 EA For Potting of Glands Submersible Option, Add .....	655.74	
<b>46 82 83 00-2495 Start Up And Training</b> <small>(46 82 83 00-2357)</small>		
46 82 83 00-2496 DAY Toshiba Start Up And Training.....	1,054.40	
<b>46 82 83 00-2497 Flow Equipment (Yokogawa)</b> <small>(46 82 83 00-0099)</small>		
<b>46 82 83 00-2498 Magnetic Flow Meters For Raw Sewage</b> <small>(46 82 83 00-2497)</small>		
46 82 83 00-2499 EA 12" Diameter Magnetic Flowmeter For Raw Sewage, Fluorocarbon Lining, ANSI 150 Flange, Stainless Steel 316 Electrode Material, 1/2" NPT. Model: Yokogawa #AMXXXDG-AA1-LSA/00 .....	11,265.10	443.27
46 82 83 00-2500 EA 14" Diameter Magnetic Flowmeter For Raw Sewage, Fluorocarbon Lining, ANSI 150 Flange, Stainless Steel 316 Electrode Material, 1/2" NPT. Model: Yokogawa #AMXXXDG-AA1-LSA/00 .....	14,679.29	521.50
46 82 83 00-2501 EA 16" Diameter Magnetic Flowmeter For Raw Sewage, Fluorocarbon Lining, ANSI 150 Flange, Stainless Steel 316 Electrode Material, 1/2" NPT. Model: Yokogawa #AMXXXDG-AA1-LSA/00 .....	18,230.96	573.66
46 82 83 00-2502 EA 20" Diameter Magnetic Flowmeter For Raw Sewage, Fluorocarbon Lining, ANSI 150 Flange, Stainless Steel 316 Electrode Material, 1/2" NPT. Model: Yokogawa #AMXXXDG-AA1-LSA/00 .....	25,741.64	717.06
46 82 83 00-2503 EA 24" Diameter Magnetic Flowmeter For Raw Sewage, Fluorocarbon Lining, ANSI 150 Flange, Stainless Steel 316 Electrode Material, 1/2" NPT. Model: Yokogawa #AMXXXDG-AA1-LSA/00 .....	28,910.49	880.03
46 82 83 00-2504 EA 28" Diameter Magnetic Flowmeter For Raw Sewage, Fluorocarbon Lining, ANSI 150 Flange, Stainless Steel 316 Electrode Material, 1/2" NPT. Model: Yokogawa #AMXXXDG-AA1-LSA/00 .....	35,464.06	1,157.09

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2505 EA 36" Diameter Magnetic Flowmeter For Raw Sewage, Fluorocarbon Lining, ANSI 150 Flange, Stainless Steel 316 Electrode Material, 1/2" NPT. Model: Yokogawa #AMXXXDG-AA1-LSA/00 .....	46,712.62	1,912.18
46 82 83 00-2506 EA 40" Diameter Magnetic Flowmeter For Raw Sewage, Fluorocarbon Lining, ANSI 150 Flange, Stainless Steel 316 Electrode Material, 1/2" NPT. Model: Yokogawa #AMXXXDG-AA1-LSA/00 .....	60,799.95	2,390.23
46 82 83 00-2507 EA 44" Diameter Magnetic Flowmeter For Raw Sewage, Fluorocarbon Lining, ANSI 150 Flange, Stainless Steel 316 Electrode Material, 1/2" NPT. Model: Yokogawa #AMXXXDG-AA1-LSA/00 .....	67,450.12	3,226.81
46 82 83 00-2508 EA 48" Diameter Magnetic Flowmeter For Raw Sewage, Fluorocarbon Lining, ANSI 150 Flange, Stainless Steel 316 Electrode Material, 1/2" NPT. Model: Yokogawa #AMXXXDG-AA1-LSA/00 .....	73,690.10	3,585.34
46 82 83 00-2509 EA 54" Diameter Magnetic Flowmeter For Raw Sewage, Fluorocarbon Lining, ANSI 150 Flange, Stainless Steel 316 Electrode Material, 1/2" NPT. Model: Yokogawa #AMXXXDG-AA1-LSA/00 .....	72,069.31	4,302.41
<b>46 82 83 00-2510 Magnetic Flow Meters For Chlorine Service</b> <small>(46 82 83 00-2497)</small>		
46 82 83 00-2511 EA 1" Diameter Magnetic Flowmeter For Chlorine Service, Explosion Proof, PFA Lining, ANSO 150 Flange, Tantalum Electrode Material, 1/2" NPT. Model: Yokogawa #AEXXXDN-AA1-TTA/FF1 .....	5,853.31	48.90
46 82 83 00-2512 EA 2" Diameter Magnetic Flowmeter For Chlorine Service, Explosion Proof, PFA Lining, ANSO 150 Flange, Tantalum Electrode Material, 1/2" NPT. Model: Yokogawa #AEXXXDN-AA1-TTA/FF1 .....	6,340.34	86.92
46 82 83 00-2513 EA 3" Diameter Magnetic Flowmeter For Chlorine Service, Explosion Proof, PFA Lining, ANSO 150 Flange, Tantalum Electrode Material, 1/2" NPT. Model: Yokogawa #AEXXXDN-AA1-TTA/FF1 .....	6,818.42	110.82
46 82 83 00-2514 EA 4" Diameter Magnetic Flowmeter For Chlorine Service, Explosion Proof, PFA Lining, ANSO 150 Flange, Tantalum Electrode Material, 1/2" NPT. Model: Yokogawa #AEXXXDN-AA1-TTA/FF1 .....	7,588.65	186.25
46 82 83 00-2515 EA 6" Diameter Magnetic Flowmeter For Chlorine Service, Explosion Proof, PFA Lining, ANSO 150 Flange, Tantalum Electrode Material, 1/2" NPT. Model: Yokogawa #AEXXXDN-AA1-TTA/FF1 .....	8,815.12	235.52
46 82 83 00-2516 EA 8" Diameter Magnetic Flowmeter For Chlorine Service, Explosion Proof, PFA Lining, ANSO 150 Flange, Tantalum Electrode Material, 1/2" NPT. Model: Yokogawa #AEXXXDN-AA1-TTA/FF1 .....	10,864.56	299.87
46 82 83 00-2517 EA 10" Diameter Magnetic Flowmeter For Chlorine Service, Explosion Proof, PFA Lining, ANSO 150 Flange, Tantalum Electrode Material, 1/2" NPT. Model: Yokogawa #AEXXXDN-AA1-TTA/FF1 .....	13,441.03	365.06
46 82 83 00-2518 EA 12" Diameter Magnetic Flowmeter For Chlorine Service, Explosion Proof, PFA Lining, ANSO 150 Flange, Tantalum Electrode Material, 1/2" NPT. Model: Yokogawa #AEXXXDN-AA1-TTA/FF1 .....	14,841.19	443.27
<b>46 82 83 00-2519 Flow Equipment (E+H)</b> <small>(46 82 83 00-0099)</small>		
46 82 83 00-2520 EA 12", Non-Hazardous Area, Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C3H-AALHP2DUA12GA) .....	8,910.50	493.55
Note: Power Supply: 100-240VAC/24VAC/DC; Outputs: 4-20mA HART, pulse/frequency/switch; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange ASME B16.5; Calibration Flow: 0.5%.		
For Grounding Disc/Protection Disc Pair, Add	378.98	
46 82 83 00-2521 EA 14", Non-Hazardous Area, Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C3F-AALHP2DUA1KGA) .....	10,018.56	581.69
Note: Power Supply: 100-240VAC/24VAC/DC; Outputs: 4-20mA HART, pulse/frequency/switch; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange ASME B16.5; Calibration Flow: 0.5%.		
For Grounding Disc/Protection Disc Pair, Add	666.63	
46 82 83 00-2522 EA 16", Non-Hazardous Area, Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C4H-AALHP2DUA1KGA) .....	11,189.90	639.85
Note: Power Supply: 100-240VAC/24VAC/DC; Outputs: 4-20mA HART, pulse/frequency/switch; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange ASME B16.5; Calibration Flow: 0.5%.		
For Grounding Disc/Protection Disc Pair, Add	831.00	
46 82 83 00-2523 EA 18", Non-Hazardous Area, Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C4F-AALHP2DUA1KGA) .....	11,894.51	709.65
Note: Power Supply: 100-240VAC/24VAC/DC; Outputs: 4-20mA HART, pulse/frequency/switch; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange ASME B16.5; Calibration Flow: 0.5%.		
For Grounding Disc/Protection Disc Pair, Add	926.88	
46 82 83 00-2524 EA 20", Non-Hazardous Area, Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C5H-AALHP2DUA1KGA) .....	12,592.51	799.81
Note: Power Supply: 100-240VAC/24VAC/DC; Outputs: 4-20mA HART, pulse/frequency/switch; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange ASME B16.5; Calibration Flow: 0.5%.		
For Grounding Disc/Protection Disc Pair, Add	967.96	
46 82 83 00-2525 EA 24", Non-Hazardous Area, Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C6H-AALHP2DUA1KGA) .....	14,226.13	981.59
Note: Power Supply: 100-240VAC/24VAC/DC; Outputs: 4-20mA HART, pulse/frequency/switch; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange ASME B16.5; Calibration Flow: 0.5%.		
For Grounding Disc/Protection Disc Pair, Add	1,200.81	
46 82 83 00-2526 EA 30", Non-Hazardous Area, Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C7F-AALHP2DUW1KGA) .....	16,960.10	1,599.63
Note: Power Supply: 100-240VAC/24VAC/DC; Outputs: 4-20mA HART, pulse/frequency/switch; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange ASME B16.5; Calibration Flow: 0.5%.		
For Grounding Disc/Protection Disc Pair, Add	1,748.68	
46 82 83 00-2527 EA 36", Non-Hazardous Area, Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C9H-AALHP2DUW1KGA) .....	20,978.26	2,132.83
Note: Power Supply: 100-240VAC/24VAC/DC; Outputs: 4-20mA HART, pulse/frequency/switch; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange ASME B16.5; Calibration Flow: 0.5%.		
For Grounding Disc/Protection Disc Pair, Add	2,132.20	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2528	EA	48", Non-Hazardous Area, Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4CT2-AALHP2DUW1KGA)..... Note: Power Supply: 100-240VAC/24VAC/DC; Outputs: 4-20mA HART, pulse/frequency/switch; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange ASME B16.5; Calibration Flow: 0.5%. <i>For Grounding Disc/Protection Disc Pair, Add</i>	40,862.19 2,680.09	3,999.06
46 82 83 00-2529	EA	42", Non-Hazardous Area, Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4CV0-AALHP2DUW1KGA)..... Note: Power Supply: 100-240VAC/24VAC/DC; Outputs: 4-20mA HART, pulse/frequency/switch; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange ASME B16.5; Calibration Flow: 0.5%. <i>For Grounding Disc/Protection Disc Pair, Add</i>	27,234.15 2,858.14	3,199.24
46 82 83 00-2530	EA	54", Hard Rubber Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4CV3-AALHP2DHW1KGA)..... Note: Non-hazardous area; Power Supply: 100-240VAC/24VAC/DC; Outputs: 4-20mA HART, pulse/frequency/switch; Remote Housing: aluminum, coated; Remote Version: 30' coil and signal cable; Electrical Connection: 1/2" NPT; Process Connection: Class D, carbon steel, flange AWWA C207; Calibration Flow: 0.5%. <i>For Grounding Disc/Protection Disc Pair, Add</i>	59,189.71 2,480.93	4,798.86
46 82 83 00-2531	EA	1", PTFE Liner, Alloy C-22, Bullet Nose Electrodes, Magnetic Flow Meter (E+H 53P25-ELHB1RK2BAAA)..... Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test <i>For Grounding Disc/Protection Disc Pair, Add</i>	4,952.50 541.97	54.88
46 82 83 00-2532	EA	1-1/2", PTFE Liner, Alloy C-22, Bullet Nose Electrodes, Magnetic Flow Meter (E+H 53P40-ELHB1RK2BAAA)..... Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test <i>For Grounding Disc/Protection Disc Pair, Add</i>	4,984.01 617.88	80.08
46 82 83 00-2533	EA	2", PTFE Liner, Alloy C-22, Bullet Nose Electrodes, Magnetic Flow Meter (E+H 53P50-ELHB1RK2BAAA)..... Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test <i>For Grounding Disc/Protection Disc Pair, Add</i>	5,005.09 662.54	96.95
46 82 83 00-2534	EA	3", PTFE Liner, Alloy C-22, Bullet Nose Electrodes, Magnetic Flow Meter (E+H 53P80-ELHB1RK2BAAA)..... Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test <i>For Grounding Disc/Protection Disc Pair, Add</i>	5,488.17 774.23	123.77
46 82 83 00-2535	EA	4", PTFE Liner, Alloy C-22, Bullet Nose Electrodes, Magnetic Flow Meter (E+H 53P1H-ELHB1RK2BAAA)..... Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test <i>For Grounding Disc/Protection Disc Pair, Add</i>	5,885.86 930.56	207.74
46 82 83 00-2536	EA	6", PTFE Liner, Alloy C-22, Bullet Nose Electrodes, Magnetic Flow Meter (E+H 53P1F-ELHB1RK2BAAA)..... Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test <i>For Grounding Disc/Protection Disc Pair, Add</i>	6,864.14 1,377.21	262.70
46 82 83 00-2537	EA	8", PTFE Liner, Alloy C-22, Bullet Nose Electrodes, Magnetic Flow Meter (E+H 53P2H-ELHB1RK2BAAA)..... Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test <i>For Grounding Disc/Protection Disc Pair, Add</i>	7,983.35 1,846.13	332.38
46 82 83 00-2538	EA	10", PTFE Liner, Alloy C-22, Bullet Nose Electrodes, Magnetic Flow Meter (E+H 53P2F-ELHB1RK2BAAA)..... Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test <i>For Grounding Disc/Protection Disc Pair, Add</i>	10,864.39 2,270.47	407.17
46 82 83 00-2539	EA	12", PTFE Liner, Alloy C-22, Bullet Nose Electrodes, Magnetic Flow Meter (E+H 53P3H-ELHB1RK2BAAA)..... Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test <i>For Grounding Disc/Protection Disc Pair, Add</i>	13,587.28 2,471.41	493.55

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2540	EA	4", PTFE Liner, 316L SS Electrodes, Magnetic Flow Meter (E+H 53P1H-ELGB1RK2BAAA) ..... Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test	5,800.33	207.74
		<i>For Grounding Disc/Protection Disc Pair, Add</i>	305.26	
46 82 83 00-2541	EA	6", PTFE Liner, 316L SS Electrodes, Magnetic Flow Meter (E+H 53P1F-ELGB1RK2BAAA) ..... Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test	6,778.60	262.70
		<i>For Grounding Disc/Protection Disc Pair, Add</i>	434.78	
46 82 83 00-2542	EA	8", PTFE Liner, 316L SS Electrodes, Magnetic Flow Meter (E+H 53P2H-ELGB1RK2BAAA) ..... Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test	7,897.81	332.38
		<i>For Grounding Disc/Protection Disc Pair, Add</i>	461.61	
46 82 83 00-2543	EA	10", PTFE Liner, 316L SS Electrodes, Magnetic Flow Meter (E+H 53P2F-ELGB1RK2BAAA) ..... Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test	10,778.86	407.17
		<i>For Grounding Disc/Protection Disc Pair, Add</i>	515.20	
46 82 83 00-2544	EA	12", PTFE Liner, 316L SS Electrodes, Magnetic Flow Meter (E+H 53P3H-ELGB1RK2BAAA) ..... Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test	13,501.75	493.55
		<i>For Grounding Disc/Protection Disc Pair, Add</i>	617.88	
46 82 83 00-2545	EA	Flow And Energy Computer For Gases, Liquids And Steam (E+H RMC621-A31AAA1BA1) ..... Note: Differential pressure calculation DIN 5167; Basic Functions: Slot A + E:1x RS232 + 1x RS485.3x LPS = loop power supply; Input A: 2x 0/4-20mA/PFM/pulse; Output A: 1x relay; Input E: 2x Pt100/500/1000; Output E: 2x 0/4-20mA/pulse; Calculation formula IAPWS-IF97; Real gas formula, NX19, OIIM R117; Approval: UL listed, CSA GP.: max. 3x Application.: max. 4 Media / instrument: intrinsically safe inputs. Approval: Non-hazardous area; Operation: Panel 144x72mm; RS485 Power Supply: 90-250VAC; Slot B: Not selected; Slot C: Not selected; Slot D: Not selected; Software: basic version operation; Language: english; Communication: 1x RS232 + 1x RS485 + 1x Modbus; Additional Option: basic version.	2,398.13	72.71
46 82 83 00-2546	EA	FM NI Class I, Division 2/CSA, Class I, Division 2, ABCD + Zone 2, 8" To 24" Pipe, Clamp On, 1 Channel/1 Set, Ultrasonic Flow Meter (E+H 93PA1-EB2B00RCBAAA) ..... Note: Flow Sensor: 4 to 160", 32 to 338 degree F, NEMA 6P; Sensor Holder: 2 to 160"; Sensor Cable: 30', -4 to 158 degree F; Cable Entry Sensor: gland; additional test; Certificate: without; Housing: wall aluminum, IP67 NEMA 4X; Cable Entry: 1/2" NPT; Power Supply; Display: 85-260VAC; WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup, basic version; Outputs: 4-20mA HART + frequency.	7,766.98	72.71
46 82 83 00-2547	EA	FM NI Class I, Division 2/CSA Class I, Division 2, ABCD + Zone 2C, 8" To 24" Pipe, Clamp On, 2 Channel/2 Set, Ultrasonic Flow Meter (E+H 93PA2-EB2B00RCBAAA) ..... Note: Flow Sensor: 4 to 160", 32 to 338 degree F, NEMA 6P; Sensor Holder: 2 to 160"; Sensor Cable: 30', -4 to 158 degree F; Cable Entry Sensor: gland; additional test; Certificate: without; Housing: wall aluminum, IP67 NEMA 4X; Cable Entry: 1/2" NPT; Power Supply; Display: 85-260VAC; WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Outputs: 4-20mA HART + frequency.	10,900.34	72.71
46 82 83 00-2548	EA	ATEX II 1/2GD+ IECEx Z0/1,21 Ex deia IIC Z= Zone , t-mass Thermal Mass Flow Meter (E+H 65I-30AA0AD15GBABA) ..... Note: Insertion Tube Length: 13" material insertion tube; Sensor: stainless steel; Process Connection: 1" MNPT, thread ANSI, compression fitting, stainless steel; Seal: PEEK, -40 to +266 degree F; Surface Cleaning: basic version; Calibration: factory calibration, additional test; Certificate: basic version; Housing: field aluminum, IP67 NEMA 4X; Cable Entry: 1/2" NPT; Display; Operation: 85-260VAC, 2-line + push buttons adjustment; Software Feature: default gas (Air 14.692psia); Outputs: 4-20mA HART + frequency.	5,175.91	72.71
46 82 83 00-2549	EA	ATEX II 1/2GD+ IECEx Z0/1,21 Ex deia IIC Z= Zone, t-mass Thermal Mass Flow Meter (E+H 65I-30AA0AD15GBACA) ..... Note: Insertion Tube Length: 13" material insertion tube; Sensor: stainless steel; Process Connection: 1" MNPT, thread ANSI, compression fitting, stainless steel; Seal: PEEK, -40 to +266 degree F; Surface Cleaning: basic version; Calibration: factory calibration, additional test; Certificate: basic version; Housing: field aluminum, IP67 NEMA 4X; Cable Entry: 1/2" NPT; Display; Operation: 85-260VAC, 2-line + push buttons adjustment; Software Feature: gas (customer specific); Outputs: 4-20mA HART + frequency.	5,175.91	72.71
46 82 83 00-2550	EA	2", PTFE Liner, Titanium Electrodes, Magnetic Flow Meter (E+H 53P50-EL8B1RC2BAAA) ..... Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, IP67 NEMA 4X; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + touch control WEA= EN adjustment; Software Feature: factory setup, basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2% additional test.	5,082.23	96.95
		<i>For Grounding Disc/Protection Disc Pair, Add</i>	997.54	
46 82 83 00-2551	EA	3", PTFE Liner, Titanium Electrodes, Magnetic Flow Meter (E+H 53P80-EL8B1RC2BAAA) ..... Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, IP67 NEMA 4X; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + touch control WEA= EN adjustment; Software Feature: factory setup, basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2% additional test.	5,565.32	123.77
		<i>For Grounding Disc/Protection Disc Pair, Add</i>	1,332.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2552 EA 4", PTFE Liner, Titanium Electrodes, Magnetic Flow Meter (E+H 53P1H-EL8B1RC2BAAA).....	5,963.01	207.74
Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, IP67 NEMA 4X; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + touch control WEA= EN adjustment; Software Feature: factory setup, basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2% additional test.		
<i>For Grounding Disc/Protection Disc Pair, Add</i>		
	1,232.03	
46 82 83 00-2553 EA 6", PTFE Liner, Titanium Electrodes, Magnetic Flow Meter (E+H 53P1F-EL8B1RC2BAAA).....	6,941.29	262.70
Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, IP67 NEMA 4X; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + touch control WEA= EN adjustment; Software Feature: factory setup, basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2% additional test.		
<i>For Grounding Disc/Protection Disc Pair, Add</i>		
	2,516.06	
46 82 83 00-2554 EA 8", PTFE Liner, Titanium Electrodes, Magnetic Flow Meter (E+H 53P2H-EL8B1RC2BAAA).....	8,060.50	332.38
Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, IP67 NEMA 4X; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + touch control WEA= EN adjustment; Software Feature: factory setup, basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2% additional test.		
<i>For Grounding Disc/Protection Disc Pair, Add</i>		
	2,895.72	
46 82 83 00-2555 EA 10", PTFE Liner, Titanium Electrodes, Magnetic Flow Meter (E+H 53P2F-EL8B1RC2BAAA).....	10,941.55	407.17
Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, IP67 NEMA 4X; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + touch control WEA= EN adjustment; Software Feature: factory setup, basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2% additional test.		
<i>For Grounding Disc/Protection Disc Pair, Add</i>		
	4,347.24	
46 82 83 00-2556 EA 12", PTFE Liner, Titanium Electrodes, Magnetic Flow Meter (E+H 53P3H-EL8B1RC2BAAA).....	13,664.44	493.55
Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, IP67 NEMA 4X; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + touch control WEA= EN adjustment; Software Feature: factory setup, basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2% additional test.		
<i>For Grounding Disc/Protection Disc Pair, Add</i>		
	3,699.65	
46 82 83 00-2557 EA 12", Hard Rubber Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5W4C3H-53K3/0).....	8,494.16	493.55
Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Design: insertion length short ISO/DVGW until DN400, DN450-2000 1:1; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, flange, ASME B16.5; Calibration Flow: 0.5%.		
<i>For Grounding Disc/Protection Disc Pair, Add</i>		
	617.88	
46 82 83 00-2558 EA 14", Hard Rubber Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5W4C3F-2J75/0).....	10,180.14	581.69
Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Design: insertion length short ISO/DVGW until DN400, DN450-2000 1:1; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, flange, ASME B16.5; Calibration Flow: 0.5%.		
<i>For Grounding Disc/Protection Disc Pair, Add</i>		
	1,086.85	
46 82 83 00-2559 EA 16", Hard Rubber Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5W4C4H-3JH0/0).....	11,319.46	639.85
Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Design: insertion length short ISO/DVGW until DN400, DN450-2000 1:1; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, flange, ASME B16.5; Calibration Flow: 0.5%.		
<i>For Grounding Disc/Protection Disc Pair, Add</i>		
	1,354.85	
46 82 83 00-2560 EA 18", Hard Rubber Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5W4C4F-1XC3/0).....	12,002.21	709.65
Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Design: insertion length short ISO/DVGW until DN400, DN450-2000 1:1; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, flange, ASME B16.5; Calibration Flow: 0.5%.		
<i>For Grounding Disc/Protection Disc Pair, Add</i>		
	1,511.15	
46 82 83 00-2561 EA 24", Hard Rubber Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5W4C6H-3453/0).....	14,305.35	981.59
Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Design: insertion length short ISO/DVGW until DN400, DN450-2000 1:1; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, flange, ASME B16.5; Calibration Flow: 0.5%.		
<i>For Grounding Disc/Protection Disc Pair, Add</i>		
	1,957.80	
46 82 83 00-2562 EA 30", Hard Rubber Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5W4C7F-1DQ4/0).....	17,619.05	1,599.63
Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Design: insertion length short ISO/DVGW until DN400, DN450-2000 1:1; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, flange, ASME B16.5; Calibration Flow: 0.5%.		
<i>For Grounding Disc/Protection Disc Pair, Add</i>		
	2,851.04	
46 82 83 00-2563 EA 36", Hard Rubber Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5W4C9H-1PC4/0).....	21,828.46	2,132.83
Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Design: insertion length short ISO/DVGW until DN400, DN450-2000 1:1; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, flange, ASME B16.5; Calibration Flow: 0.5%.		
<i>For Grounding Disc/Protection Disc Pair, Add</i>		
	3,476.32	
46 82 83 00-2564 EA FM XP Class I, Division 1, ABCD / CSA Class I, Division 1, ABCD + Zone 1, 8" To 24" Pipe, Clamp On, 1 Channel/1 Set, Ultrasonic Flow Meter (E+H 93PA1-EB2B00NGBAAA).....	8,554.19	72.71
Note: Flow Sensor: 4 to 160", 32 to 338 degree F, NEMA 6P; Sensor Holder: 2 to 160"; Sensor Cable: 30', --4 to 158 degree F; Cable Entry Sensor: gland; additional test; Certificate: without; Housing: field aluminum, IP67 NEMA 4X; Cable Entry: 1/2" NPT; Power Supply; Display: 85-260VAC; WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup, basic version; Outputs: 4-20mA HART + frequency.		



**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2565 EA Portable Ultrasonic Flow Meter (E+H 93TA1-2FQ2/0).....5,466.31 Note: P Sensor set 1/2" to 2-1/2"/6MHz: not selected; P Sensor set 2" to 12"/2MHz: -40 to 176 degree F + installation set; P Sensor set 4" to 160"/1MHz: not selected; Sensor Cable: 30', PTFE, -40 to 338 degree F; Approval: Non-hazardous area; Operation language: WEA = EN; Accessory: rechargeable battery pack, 93T, 4000 mAh.	5,466.31	72.71
46 82 83 00-2566 EA 2", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C50-57J2/0) .....3,227.65 Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	3,227.65	96.95
<i>For Grounding Disc/Protection Disc Pair, Add</i>	215.96	
46 82 83 00-2567 EA 3", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C80-5550/0) .....3,378.98 Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	3,378.98	123.77
<i>For Grounding Disc/Protection Disc Pair, Add</i>	269.55	
46 82 83 00-2568 EA 4", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C1H-6XL4/0) .....3,619.39 Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	3,619.39	207.74
<i>For Grounding Disc/Protection Disc Pair, Add</i>	305.26	
46 82 83 00-2569 EA 6", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C1F-2LT0/0) .....4,151.87 Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	4,151.87	262.70
<i>For Grounding Disc/Protection Disc Pair, Add</i>	434.78	
46 82 83 00-2570 EA 8", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C2H-5X15/0) .....4,703.11 Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	4,703.11	332.38
<i>For Grounding Disc/Protection Disc Pair, Add</i>	461.61	
46 82 83 00-2571 EA 10", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C2F-45W4/0) .....6,063.97 Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	6,063.97	407.17
<i>For Grounding Disc/Protection Disc Pair, Add</i>	515.20	
46 82 83 00-2572 EA 12", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C3H-2K37/0) .....7,399.29 Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	7,399.29	493.55
<i>For Grounding Disc/Protection Disc Pair, Add</i>	617.88	
46 82 83 00-2573 EA 14", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C3F-2316/0) .....8,322.95 Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	8,322.95	581.69
<i>For Grounding Disc/Protection Disc Pair, Add</i>	1,086.85	
46 82 83 00-2574 EA 16", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C4H-38M9/0) .....9,291.27 Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	9,291.27	639.85
<i>For Grounding Disc/Protection Disc Pair, Add</i>	1,354.85	
46 82 83 00-2575 EA 18", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C4F-21N0/0) .....9,881.78 Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	9,881.78	709.65
<i>For Grounding Disc/Protection Disc Pair, Add</i>	1,511.15	
46 82 83 00-2576 EA 20", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C5H-2PD4/0) .....10,471.63 Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	10,471.63	799.81
<i>For Grounding Disc/Protection Disc Pair, Add</i>	1,578.15	
46 82 83 00-2577 EA 24", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C6H-2U50/0) .....11,845.34 Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	11,845.34	981.59
<i>For Grounding Disc/Protection Disc Pair, Add</i>	1,957.80	
46 82 83 00-2578 EA 30", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C7F-1H05/0) .....14,216.83 Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	14,216.83	1,599.63
<i>For Grounding Disc/Protection Disc Pair, Add</i>	2,851.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2579 EA 36", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C9H-1N10/0).....	17,615.61	2,132.83
Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.		
For Grounding Disc/Protection Disc Pair, Add	3,476.32	
46 82 83 00-2580 EA 1", Polyamide Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5D4C25-18U6/0).....	2,373.07	54.88
Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: compact, aluminum, coated; Remote Version: not used; Cable Entry: 1/2" NPT; Process Connection: Class 150 ASME B16.5; Calibration Flow: 0.5%.		
For Grounding Disc/Protection Disc Pair, Add	165.68	
46 82 83 00-2581 EA 1-1/2", Polyamide Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5D4C40-16P1/0).....	2,404.58	80.08
Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: compact, aluminum, coated; Remote Version: not used; Cable Entry: 1/2" NPT; Process Connection: Class 150 ASME B16.5; Calibration Flow: 0.5%.		
For Grounding Disc/Protection Disc Pair, Add	182.45	
46 82 83 00-2582 EA 2", Polyamide Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5D4C50-1955/0).....	2,425.66	96.95
Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: compact, aluminum, coated; Remote Version: not used; Cable Entry: 1/2" NPT; Process Connection: Class 150 ASME B16.5; Calibration Flow: 0.5%.		
For Grounding Disc/Protection Disc Pair, Add	215.96	
46 82 83 00-2583 EA 3", Polyamide Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5D4C80-16X5/0).....	2,562.59	123.77
Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: compact, aluminum, coated; Remote Version: not used; Cable Entry: 1/2" NPT; Process Connection: Class 150 ASME B16.5; Calibration Flow: 0.5%.		
For Grounding Disc/Protection Disc Pair, Add	269.55	
46 82 83 00-2584 EA 4", Polyamide Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5D4C1H-17T7/0).....	2,779.59	207.74
Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: compact, aluminum, coated; Remote Version: not used; Cable Entry: 1/2" NPT; Process Connection: Class 150 ASME B16.5; Calibration Flow: 0.5%.		
For Grounding Disc/Protection Disc Pair, Add	305.26	
46 82 83 00-2585 EA 3", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 55S80-ULGB1RC2BAAA).....	5,140.90	123.77
Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA HART + frequency; Power Supply: display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: wall aluminum, IP67 NEMA 4X2; Remote Version: 30' coil and signal cable; Cable Entry: 1/2" NPT; Process Connection: Class150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.		
For Grounding Disc/Protection Disc Pair, Add	269.55	
46 82 83 00-2586 EA 4", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 55S1H-ULGB1RC2BAAA).....	5,380.19	207.74
Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA HART + frequency; Power Supply: display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: wall aluminum, IP67 NEMA 4X2; Remote Version: 30' coil and signal cable; Cable Entry: 1/2" NPT; Process Connection: Class150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.		
For Grounding Disc/Protection Disc Pair, Add	305.26	
46 82 83 00-2587 EA 6", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 55S1F-ULGB1RC2BAAA).....	5,903.57	262.70
Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA HART + frequency; Power Supply: display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: wall aluminum, IP67 NEMA 4X2; Remote Version: 30' coil and signal cable; Cable Entry: 1/2" NPT; Process Connection: Class150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.		
For Grounding Disc/Protection Disc Pair, Add	434.78	
46 82 83 00-2588 EA 8", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 55S2H-ULGB1RC2BAAA).....	7,064.46	332.38
Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA HART + frequency; Power Supply: display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: wall aluminum, IP67 NEMA 4X2; Remote Version: 30' coil and signal cable; Cable Entry: 1/2" NPT; Process Connection: Class150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.		
For Grounding Disc/Protection Disc Pair, Add	461.61	
46 82 83 00-2589 EA 10", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 55S2F-ULGB1RC2BAAA).....	8,426.63	407.17
Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA HART + frequency; Power Supply: display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: wall aluminum, IP67 NEMA 4X2; Remote Version: 30' coil and signal cable; Cable Entry: 1/2" NPT; Process Connection: Class150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.		
For Grounding Disc/Protection Disc Pair, Add	515.20	
46 82 83 00-2590 EA 12", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 55S3H-ULGB1RC2BAAA).....	9,755.97	493.55
Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA HART + frequency; Power Supply: display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: wall aluminum, IP67 NEMA 4X2; Remote Version: 30' coil and signal cable; Cable Entry: 1/2" NPT; Process Connection: Class150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.		
For Grounding Disc/Protection Disc Pair, Add	617.88	
46 82 83 00-2591 EA 14", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 55S3F-ULGB1RC2BAAA).....	13,748.02	581.69
Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA HART + frequency; Power Supply: display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: wall aluminum, IP67 NEMA 4X2; Remote Version: 30' coil and signal cable; Cable Entry: 1/2" NPT; Process Connection: Class150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.		
For Grounding Disc/Protection Disc Pair, Add	1,086.85	

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2592 EA 16", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 55S4H-ULGB1RC2BAAA).....	16,810.86	639.85
Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA HART + frequency; Power Supply: display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: wall aluminum, IP67 NEMA 4X2; Remote Version: 30' coil and signal cable; Cable Entry: 1/2" NPT; Process Connection: Class150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.		
For Grounding Disc/Protection Disc Pair, Add	1,354.85	
46 82 83 00-2593 EA 18", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 55S4F-ULGB1RC2BAAA).....	17,505.41	709.65
Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA HART + frequency; Power Supply: display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: wall aluminum, IP67 NEMA 4X2; Remote Version: 30' coil and signal cable; Cable Entry: 1/2" NPT; Process Connection: Class150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.		
For Grounding Disc/Protection Disc Pair, Add	1,511.15	
46 82 83 00-2594 EA 20", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 55S5H-ULGB1RC2BAAA).....	18,206.80	799.81
Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA HART + frequency; Power Supply: display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: wall aluminum, IP67 NEMA 4X2; Remote Version: 30' coil and signal cable; Cable Entry: 1/2" NPT; Process Connection: Class150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.		
For Grounding Disc/Protection Disc Pair, Add	1,578.15	
46 82 83 00-2595 EA 24", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 55S6H-ULGB1RC2BAAA).....	19,856.88	981.59
Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA HART + frequency; Power Supply: display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: wall aluminum, IP67 NEMA 4X2; Remote Version: 30' coil and signal cable; Cable Entry: 1/2" NPT; Process Connection: Class150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.		
For Grounding Disc/Protection Disc Pair, Add	1,957.80	
46 82 83 00-2596 EA 12", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C3H-4A43/0).....	7,512.71	493.55
Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.		
For Grounding Disc/Protection Disc Pair, Add	617.88	
46 82 83 00-2597 EA 14", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C3F-2D14/0).....	8,503.30	581.69
Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.		
For Grounding Disc/Protection Disc Pair, Add	1,086.85	
46 82 83 00-2598 EA 16", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C4H-38N4/0).....	9,493.94	639.85
Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.		
For Grounding Disc/Protection Disc Pair, Add	1,354.85	
46 82 83 00-2599 EA 20", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C5H-2PE0/0).....	10,692.89	799.81
Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.		
For Grounding Disc/Protection Disc Pair, Add	1,578.15	
46 82 83 00-2600 EA 24", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C6H-2U66/0).....	12,087.04	981.59
Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.		
For Grounding Disc/Protection Disc Pair, Add	1,957.80	
46 82 83 00-2601 EA 28", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C7H-1JK0/0).....	13,161.69	1,290.61
Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.		
For Grounding Disc/Protection Disc Pair, Add	2,516.06	
46 82 83 00-2602 EA 36", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C9H-1NM5/0).....	18,024.65	2,132.83
Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.		
For Grounding Disc/Protection Disc Pair, Add	3,476.32	
46 82 83 00-2603 EA 40", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4CT0-1KL9/0).....	20,990.34	2,666.03
Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.		
For Grounding Disc/Protection Disc Pair, Add	4,123.96	
46 82 83 00-2604 EA 42", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4CV0-13N0/0).....	23,482.36	3,199.24
Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.		
For Grounding Disc/Protection Disc Pair, Add	4,659.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2605 EA 48", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4CT2-1P63/0) ..... Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%. <i>For Grounding Disc/Protection Disc Pair, Add</i>	34,818.55  4,369.59	3,999.06
46 82 83 00-2606 EA 54", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4CV3-12F2/0) ..... Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	49,381.47	4,798.86
46 82 83 00-2607 EA 1", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 53P25-ALDB1NA0BAAA) ..... Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%. <i>For Grounding Disc/Protection Disc Pair, Add</i>	5,484.25  1,176.19	54.88
46 82 83 00-2608 EA 2", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 53P50-ALDB1NA0BAAA) ..... Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%. <i>For Grounding Disc/Protection Disc Pair, Add</i>	5,536.84  3,320.03	96.95
46 82 83 00-2609 EA 3", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 53P80-ALDB1NA0BAAA) ..... Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%. <i>For Grounding Disc/Protection Disc Pair, Add</i>	6,057.11  4,012.29	123.77
46 82 83 00-2610 EA 4", PFA Liner, Tantalum Electrodes, Magnetic Flow Meter (E+H 53P1H-ALDB1NA0BAAA) ..... Note: Certificate: without; Approval: FM XP Class I, Division 1 / CSA Class I, Division 1; Outputs: 4-20mA SIL HART + frequency; Electrodes: measure electrode only; Display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: compact aluminum, IP67 NEMA 4X; Remote Version: not used; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test. <i>For Grounding Disc/Protection Disc Pair, Add</i>	6,487.33  4,481.27	207.74
46 82 83 00-2611 EA 6", PFA Liner, Tantalum Electrodes, Magnetic Flow Meter (E+H 53P1F-ALDB1NA0BAAA) ..... Note: Certificate: without; Approval: FM XP Class I, Division 1 / CSA Class I, Division 1; Outputs: 4-20mA SIL HART + frequency; Electrodes: measure electrode only; Display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: compact aluminum, IP67 NEMA 4X; Remote Version: not used; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test. <i>For Grounding Disc/Protection Disc Pair, Add</i>	7,549.29  7,183.36	262.70
46 82 83 00-2612 EA 8", PFA Liner, Tantalum Electrodes, Magnetic Flow Meter (E+H 53P2H-ALDB1NA0BAAA) ..... Note: Certificate: without; Approval: FM XP Class I, Division 1 / CSA Class I, Division 1; Outputs: 4-20mA SIL HART + frequency; Electrodes: measure electrode only; Display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: compact aluminum, IP67 NEMA 4X; Remote Version: not used; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test. <i>For Grounding Disc/Protection Disc Pair, Add</i>	8,738.22  7,205.71	332.38
46 82 83 00-2613 EA 10", PFA Liner, Tantalum Electrodes, Magnetic Flow Meter (E+H 53P2F-ELDB1NA0BAAA) ..... Note: Certificate: without; Approval: FM XP Class I, Division 1 / CSA Class I, Division 1; Outputs: 4-20mA SIL HART + frequency; Electrodes: measure electrode only; Display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: compact aluminum, IP67 NEMA 4X; Remote Version: not used; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test. <i>For Grounding Disc/Protection Disc Pair, Add</i>	11,145.15  11,694.35	407.17
46 82 83 00-2614 EA 12", PFA Liner, Tantalum Electrodes, Magnetic Flow Meter (E+H 53P3H-ELDB1NA0BAAA) ..... Note: Certificate: without; Approval: FM XP Class I, Division 1 / CSA Class I, Division 1; Outputs: 4-20mA SIL HART + frequency; Electrodes: measure electrode only; Display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: compact aluminum, IP67 NEMA 4X; Remote Version: not used; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test. <i>For Grounding Disc/Protection Disc Pair, Add</i>	13,868.02  10,890.38	493.55
46 82 83 00-2615 EA Non-Hazardous Area, 24" To 80" Pipe, Clamp On, 1 Channel/1 Set, Ultrasonic Flow Meter (E+H 93PA1-EB3B00ACBAAA) ..... Note: Flow Sensor: 4 to 160", 32 to 338 degree F, NEMA 6P; Sensor Holder: 2 to 160"; Sensor Cable: 30', -4 to 158 degree F; Cable Entry Sensor: gland; additional test; Certificate: without; Housing: wall aluminum, IP67 NEMA 4X; Cable Entry: 1/2" NPT; Power Supply; Display: 85-260VAC; WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup, basic version; Outputs: 4-20mA HART + frequency.	7,849.36	72.71
46 82 83 00-2616 EA 1/2" Vortex Flow Meter (E+H 7F2B15-80D3/0) ..... Note: Approval: CSA C/US XP Class I, II, III, Division 1, Groups A-G; Outputs: 4-20mA HART; Sensor Version: volume flow basic, 316L, -40...+260C/-40...+500F; Display: operation, SD03 4-line, illuminated, touch control + data backup function; Housing: GT20 dual compartment, aluminum; Cable Entry: 1/2" NPT; Process Connection: Class 150, RF, Schedule 40 flange, ASME B16.5; Calibration Flow: 0.75% volume 3-point.	3,034.43	34.90
46 82 83 00-2617 EA 1" Vortex Flow Meter (E+H 7F2B25-9HJ4/0) ..... Note: Approval: CSA C/US XP Class I, II, III, Division 1, Groups A-G; Outputs: 4-20mA HART; Sensor Version: volume flow basic, 316L, -40...+260C/-40...+500F; Display: operation, SD03 4-line, illuminated, touch control + data backup function; Housing: GT20 dual compartment, aluminum; Cable Entry: 1/2" NPT; Process Connection: Class 150, RF, Schedule 40 flange, ASME B16.5; Calibration Flow: 0.75% volume 3-point.	3,115.45	54.88
46 82 83 00-2618 EA 1-1/2" Vortex Flow Meter (E+H 7F2B40-7E64/0) ..... Note: Approval: CSA C/US XP Class I, II, III, Division 1, Groups A-G; Outputs: 4-20mA HART; Sensor Version: volume flow basic, 316L, -40...+260C/-40...+500F; Display: operation, SD03 4-line, illuminated, touch control + data backup function; Housing: GT20 dual compartment, aluminum; Cable Entry: 1/2" NPT; Process Connection: Class 150, RF, Schedule 40 flange, ASME B16.5; Calibration Flow: 0.75% volume 3-point.	3,307.16	80.08

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2619 EA 2" Vortex Flow Meter (E+H 7F2B50-5AR9/0)..... Note: Approval: CSA C/US XP Class I, II, III, Division 1, Groups A-G; Outputs: 4-20mA HART; Sensor Version: volume flow basic, 316L, -40...+260oC/-40...+500oF; Display; operation, SD03 4-line, illuminated, touch control + data backup function; Housing: GT20 dual compartment, aluminum; Cable Entry: 1/2" NPT; Process Connection: Class 150, RF, Schedule 40 flange, ASME B16.5; Calibration Flow: 0.75% volume 3-point.	3,376.31	96.95
46 82 83 00-2620 EA 3" Vortex Flow Meter (E+H 7F2B80-JP51/0)..... Note: Approval: CSA C/US XP Class I, II, III, Division 1, Groups A-G; Outputs: 4-20mA HART; Sensor Version: volume flow basic, 316L, -40...+260oC/-40...+500oF; Display; operation, SD03 4-line, illuminated, touch control + data backup function; Housing: GT20 dual compartment, aluminum; Cable Entry: 1/2" NPT; Process Connection: Class 150, RF, Schedule 40 flange, ASME B16.5; Calibration Flow: 0.75% volume 3-point.	3,618.06	123.77
46 82 83 00-2621 EA 4" Vortex Flow Meter (E+H 7F2B1H-8KW4/0)..... Note: Approval: CSA C/US XP Class I, II, III, Division 1, Groups A-G; Outputs: 4-20mA HART; Sensor Version: volume flow basic, 316L, -40...+260oC/-40...+500oF; Display; operation, SD03 4-line, illuminated, touch control + data backup function; Housing: GT20 dual compartment, aluminum; Cable Entry: 1/2" NPT; Process Connection: Class 150, RF, Schedule 40 flange, ASME B16.5; Calibration Flow: 0.75% volume 3-point.	3,987.31	207.74
46 82 83 00-2622 EA 6" Vortex Flow Meter (E+H 7F2B1F-ETW0/0)..... Note: Approval: CSA C/US XP Class I, II, III, Division 1, Groups A-G; Outputs: 4-20mA HART; Sensor Version: volume flow basic, 316L, -40...+260oC/-40...+500oF; Display; operation, SD03 4-line, illuminated, touch control + data backup function; Housing: GT20 dual compartment, aluminum; Cable Entry: 1/2" NPT; Process Connection: Class 150, RF, Schedule 40 flange, ASME B16.5; Calibration Flow: 0.75% volume 3-point.	5,401.57	262.70
46 82 83 00-2623 EA 8" Vortex Flow Meter (E+H 7F2B2H-8QL2/0)..... Note: Approval: CSA C/US XP Class I, II, III, Division 1, Groups A-G; Outputs: 4-20mA HART; Sensor Version: volume flow basic, 316L, -40...+260oC/-40...+500oF; Display; operation, SD03 4-line, illuminated, touch control + data backup function; Housing: GT20 dual compartment, aluminum; Cable Entry: 1/2" NPT; Process Connection: Class 150, RF, Schedule 40 flange, ASME B16.5; Calibration Flow: 0.75% volume 3-point.	7,402.90	332.38
46 82 83 00-2624 EA 8" To 6" Vortex Flow Meter (E+H 7R2BRR-25V5/0)..... Note: Approval: CSA C/US XP Class I, II, III, Division 1, Groups A-G; Outputs: 4-20mA HART; Sensor Version: volume flow basic, 316L, -40...+260oC/-40...+500oF; Display; operation, SD03 4-line, illuminated, touch control + data backup function; Housing: GT20 dual compartment, aluminum; Cable Entry: 1/2" NPT; Process Connection: Class 150, RF, Schedule 40 flange, ASME B16.5; Calibration Flow: 0.75% volume 3-point.	7,402.90	332.38
46 82 83 00-2625 EA 10" Vortex Flow Meter (E+H 7F2B2F-5186/0)..... Note: Approval: CSA C/US XP Class I, II, III, Division 1, Groups A-G; Outputs: 4-20mA HART; Sensor Version: volume flow basic, 316L, -40...+260oC/-40...+500oF; Display; operation, SD03 4-line, illuminated, touch control + data backup function; Housing: GT20 dual compartment, aluminum; Cable Entry: 1/2" NPT; Process Connection: Class 150, RF, Schedule 40 flange, ASME B16.5; Calibration Flow: 0.75% volume 3-point.	8,889.98	407.17
46 82 83 00-2626 EA 10" To 6" Vortex Flow Meter (E+H 7R2BSR-1J39/0)..... Note: Approval: CSA C/US XP Class I, II, III, Division 1, Groups A-G; Outputs: 4-20mA HART; Sensor Version: volume flow basic, 316L, -40...+260oC/-40...+500oF; Display; operation, SD03 4-line, illuminated, touch control + data backup function; Housing: GT20 dual compartment, aluminum; Cable Entry: 1/2" NPT; Process Connection: Class 150, RF, Schedule 40 flange, ASME B16.5; Calibration Flow: 0.75% volume 3-point.	8,889.98	407.17
46 82 83 00-2627 EA 12" Vortex Flow Meter (E+H 7F2B3H-3TT8/0)..... Note: Approval: CSA C/US XP Class I, II, III, Division 1, Groups A-G; Outputs: 4-20mA HART; Sensor Version: volume flow basic, 316L, -40...+260oC/-40...+500oF; Display; operation, SD03 4-line, illuminated, touch control + data backup function; Housing: GT20 dual compartment, aluminum; Cable Entry: 1/2" NPT; Process Connection: Class 150, RF, Schedule 40 flange, ASME B16.5; Calibration Flow: 0.75% volume 3-point.	11,825.23	493.55
46 82 83 00-2628 EA FM NI Class I, Division 2/CSA Class I, Division 2, ABCD + Zone 2, 9" Insertion Tube Length, t-mass Thermal Mass Flow Meter (E+H 651-20AA0AD1RCBABA)..... Note: Sensor: stainless steel; Process Connection: 1" MNPT, thread ANSI, compression fitting, stainless steel; Seal: PEEK, -40 to +266 degree F; Surface Cleaning: basic version; Calibration: factory calibration, additional test; Certificate: basic version; Housing: wall aluminum, IP67 NEMA 4X; Cable Entry: 1/2" NPT; Display; Operation: 85-260VAC, 2-line + push buttons adjustment; Software Feature: default gas (Air 14.692psia); Outputs: 4-20mA HART + frequency.	4,137.91	72.71
46 82 83 00-2629 EA 1" Process Connection, 35 Hole, Plate Conditioner (E+H DK7ST-25K0).....	343.10	54.88
46 82 83 00-2630 EA 1-1/2" Process Connection, 35 Hole, Plate Conditioner (E+H DK7ST-40K0)..... Note: Range: -330 to +750 degree F; Process Connection: Class 150, ANSI B16.5; Material: 316L	400.70	80.08
46 82 83 00-2631 EA 2" Process Connection, 35 Hole, Plate Conditioner (E+H DK7ST-50K0)..... Note: Range: -330 to +750 degree F; Process Connection: Class 150, ANSI B16.5; Material: 316L	436.99	96.95
46 82 83 00-2632 EA 3" Process Connection, 35 Hole, Plate Conditioner (E+H DK7ST-80K0)..... Note: Range: -330 to +750 degree F; Process Connection: Class 150, ANSI B16.5; Material: 316L	577.05	123.77
46 82 83 00-2633 EA 4" Process Connection, 35 Hole, Plate Conditioner (E+H DK7ST-1HK0)..... Note: Range: -330 to +750 degree F; Process Connection: Class 150, ANSI B16.5; Material: 316L	753.74	207.74
46 82 83 00-2634 EA 6" Process Connection, 35 Hole, Plate Conditioner (E+H DK7ST-1FK0)..... Note: Range: -330 to +750 degree F; Process Connection: Class 150, ANSI B16.5; Material: 316L	1,202.87	262.70
46 82 83 00-2635 EA 8" Process Connection, 35 Hole, Plate Conditioner (E+H DK7ST-2HK0)..... Note: Range: -330 to +750 degree F; Process Connection: Class 150, ANSI B16.5; Material: 316L	1,670.43	332.38
46 82 83 00-2636 EA 10" Process Connection, 35 Hole, Plate Conditioner (E+H DK7ST-2FK0)..... Note: Range: -330 to +750 degree F; Process Connection: Class 150, ANSI B16.5; Material: 316L	2,644.38	407.17
46 82 83 00-2637 EA 12" Process Connection, 35 Hole, Plate Conditioner (E+H DK7ST-3HK0)..... Note: Range: -330 to +750 degree F; Process Connection: Class 150, ANSI B16.5; Material: 316L	4,708.87	493.55
46 82 83 00-2638 EA FM NI Cl.I Div.2/CSA Cl.I Div.2, ABCD + Zone 2, 13" Insertion Tube Length, t-mass Thermal Mass Flow Meter (E+H 651-30AA0AD1RABABA)..... Note: Sensor: stainless steel; Process Connection: 1" MNPT, thread ANSI, compression fitting, stainless steel; Seal: PEEK, -40 to +266 degree F; Surface Cleaning: basic version; Calibration: factory calibration, additional test; Certificate: basic version; Housing: compact aluminum, IP67 NEMA 4X; Cable Entry: 1/2" NPT; Display; Operation: 85-260VAC, 2-line + push buttons adjustment; Software Feature: default gas (Air 14.692psia); Outputs: 4-20mA HART + frequency.	3,698.21	72.71
46 82 83 00-2639 DAY E+H, Up To 8" Flow Meter, Start Up And Training.....	1,845.20	
46 82 83 00-2640 DAY E+H, >8" Flow Meter, Start Up And Training.....	2,108.80	
46 82 83 00-2641 Level Equipment And Instrumentation (46 82 83 00-0001)		
46 82 83 00-2642 Level Equipment And Instrumentation (Hawk) (46 82 83 00-2641)		
46 82 83 00-2643 Sultan Integral Transmitters (46 82 83 00-2642)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2644 EA 2", 2 Wire, No Relays, 12-30 VDC Only, Modbus, Sultan Integral Ultrasonic Transmitter (Hawk AWI2).....	694.28	36.76
For 4-20mA Analog, Add	434.97	
For 4-20mA Analog With HART 2 Wire, Add	496.18	
Note: For AWI2 Only		
For Profibus PA, Add	748.64	
For Foundation Fieldbus, Add	748.64	
For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	460.11	
For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add	460.11	
For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add	434.97	
For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add	434.97	
For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	310.38	
For 50kHz For Liquid Applications Up To 5m, Add	557.38	
For 40kHz For Liquid Applications Up To 7m, Add	688.53	
For 30kHz For Liquid Applications Up To 11m, Add	756.29	
Note: 4" Cone Required		
For 20kHz For Applications Up To 20m, Add	979.24	
Note: (4" Cone Required), Available in 3" Only		
For 15kHz For Applications Up To 30m, Add	1,153.01	
Note: (10" Cone Required), Available in 3" Only		
For 10kHz For Applications Up To 40m, Add	1,487.44	
Note: (10" Cone Required), Available in 3-1/2" Only		
For 9kHz For High Power Extended Range Applications Up To 170m, Add	2,294.00	
Note: (10" Cone Required)		
For 5kHz for applications up to 60m maximum, Add	1,797.82	
Note: (10" cone required), Available in 3-1/2" Only		
For 4kHz For High Power Extended Range Applications Up To 170m, Add	2,542.09	
Note: (10" Cone Required)		
46 82 83 00-2645 EA 2", 2 3/4 Wire, 2 Relays, Modbus, Sultan Integral Ultrasonic Transmitter (Hawk AWI234).....	817.77	36.76
For Power Supply 'U', 12-30 VDC And 90-260 VAC, Add	291.80	
For Switch Only With 5 Relays, Add	31.69	
Note: For AWR234 Only		
For 4-20mA Analog, Add	434.97	
For Profibus PA, Add	748.64	
For Foundation Fieldbus, Add	748.64	
For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	460.11	
For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	310.38	
For 50kHz For Liquid Applications Up To 5m, Add	557.38	
For 40kHz For Liquid Applications Up To 7m, Add	688.53	
For 30kHz For Liquid Applications Up To 11m, Add	756.29	
Note: 4" Cone Required		
For 20kHz For Applications Up To 20m, Add	979.24	
Note: (4" Cone Required), Available in 3" Only		
For 15kHz For Applications Up To 30m, Add	1,153.01	
Note: (10" Cone Required), Available in 3" Only		
For 10kHz For Applications Up To 40m, Add	1,487.44	
Note: (10" Cone Required), Available in 3-1/2" Only		
For 9kHz For High Power Extended Range Applications Up To 170m, Add	2,294.00	
Note: (10" Cone Required)		
For 5kHz for applications up to 60m maximum, Add	1,797.82	
Note: (10" cone required), Available in 3-1/2" Only		
For 4kHz For High Power Extended Range Applications Up To 170m, Add	2,542.09	
Note: (10" Cone Required)		
For Switch With 2 Relays, Modbus, Add	31.69	
For Position Slave System Software Option, Add	868.86	
For Crane Master Software Option, Add	434.97	
46 82 83 00-2646 EA 3", 2 Wire, No Relays, 12-30 VDC Only, Modbus Sultan Integral Transmitter (Hawk AWI2).....	694.28	36.76
For 4-20mA Analog, Add	434.97	
For 4-20mA Analog With HART 2 Wire, Add	496.18	
Note: For AWI2 Only		
For Profibus PA, Add	748.64	
For Foundation Fieldbus, Add	748.64	
For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	460.11	
For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add	460.11	
For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add	434.97	
For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add	434.97	
For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	310.38	
For 50kHz For Liquid Applications Up To 5m, Add	557.38	
For 40kHz For Liquid Applications Up To 7m, Add	688.53	
For 30kHz For Liquid Applications Up To 11m, Add	756.29	
Note: 4" Cone Required		
For 20kHz For Applications Up To 20m, Add	979.24	
Note: (4" Cone Required), Available in 3" Only		
For 15kHz For Applications Up To 30m, Add	1,153.01	
Note: (10" Cone Required), Available in 3" Only		
For 10kHz For Applications Up To 40m, Add	1,487.44	
Note: (10" Cone Required), Available in 3-1/2" Only		
For 9kHz For High Power Extended Range Applications Up To 170m, Add	2,294.00	
Note: (10" Cone Required)		
For 5kHz for applications up to 60m maximum, Add	1,797.82	
Note: (10" cone required), Available in 3-1/2" Only		
For 4kHz For High Power Extended Range Applications Up To 170m, Add	2,542.09	
Note: (10" Cone Required)		

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2647 EA 3", 2/3/4 Wire, 2 Relays, Modbus, Sultan Integral Transmitter (Hawk AWI234).....	817.77	36.76
For Power Supply 'U', 12-30 VDC And 90-260 VAC, Add	291.80	
For Switch Only With 5 Relays, Add	31.69	
Note: For AWR234 Only		
For 4-20mA Analog, Add	434.97	
For Profibus PA, Add	748.64	
For Foundation Fieldbus, Add	748.64	
For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	460.11	
For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	310.38	
For 50kHz For Liquid Applications Up To 5m, Add	557.38	
For 40kHz For Liquid Applications Up To 7m, Add	688.53	
For 30kHz For Liquid Applications Up To 11m, Add	756.29	
Note: 4" Cone Required		
For 20kHz For Applications Up To 20m, Add	979.24	
Note: (4" Cone Required), Available in 3" Only		
For 15kHz For Applications Up To 30m, Add	1,153.01	
Note: (10" Cone Required), Available in 3" Only		
For 10kHz For Applications Up To 40m, Add	1,487.44	
Note: (10" Cone Required), Available in 3-1/2" Only		
For 9kHz For High Power Extended Range Applications Up To 170m, Add	2,294.00	
Note: (10" Cone Required)		
For 5kHz for applications up to 60m maximum, Add	1,797.82	
Note: (10" cone required), Available in 3-1/2" Only		
For 4kHz For High Power Extended Range Applications Up To 170m, Add	2,542.09	
Note: (10" Cone Required)		
For Switch With 2 Relays, Modbus, Add	31.69	
For Position Slave System Software Option, Add	868.86	
For Crane Master Software Option, Add	434.97	
<b>46 82 83 00-2648 Sultan Remote Transmitters (46 82 83 00-2642)</b>		
46 82 83 00-2649 EA 2 Wire, No Relays, 12-30VDC Only, Modbus, Sultan Remote Transmitter (Hawk AWR2).....	947.83	36.76
For 4-20mA Analog, Add	434.97	
For Profibus PA, Add	748.64	
For Foundation Fieldbus, Add	748.64	
For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	622.95	
Note: For AWR2 Only		
For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add	622.95	
Note: For AWR2 Only		
For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add	549.73	
Note: For AWR2 Only		
For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add	549.73	
Note: For AWR2 Only		
For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	422.95	
For Approval Standard CSA Equip Class 2; Pollution deg 2; Tamb -20°C to 75°C (Ordinary Locations), Add	286.34	
For Approval Standard CSA Class I; Div 1/2; Group D; Zone 0; AEx/Ex ia IIA; T4, Add	549.73	
Note: For AWR2 Only		
For Position Slave System Software Option, Add	1,047.00	
For Crane Master Software Option, Add	496.18	
46 82 83 00-2650 EA 2/3/4 Wire, 5 Relays, Modbus, Sultan Remote Transmitter (Hawk AWR234).....	1,071.33	36.76
For Power Supply 'C', 30-48 VDC And 48-90 VAC, Add	372.68	
Note: 234 Units Only		
For Power Supply 'U', 12-30 VDC And 90-260 VAC, Add	291.80	
For Switch Only With 5 Relays, Add	31.69	
Note: For AWR234 Only		
For 4-20mA Analog, Add	434.97	
For 4-20mA Analog With HART Isolated 4 Wire, Add	496.18	
Note: For AWR234 Only		
For Profibus DP, Add	1,978.15	
Note: For AWR234 Only		
For Profibus PA, Add	748.64	
For Foundation Fieldbus, Add	748.64	
For Devicenet, Add	1,978.15	
Note: For AWR234 Only		
For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	422.95	
For Approval Standard CSA Equip Class 2; Pollution deg 2; Tamb -20°C to 75°C (Ordinary Locations), Add	286.34	
For Position Slave System Software Option, Add	1,047.00	
For Crane Master Software Option, Add	496.18	
46 82 83 00-2651 EA 3/4 Wire, 2 Relays, Modbus, Sultan Dual Remote Transmitter (Hawk AWRD34).....	1,568.60	36.76
For Switch Only With 5 Relays, Add	32.79	
For Analog 1: 4-20mA Analog Driving/Modulating Output Module, Add	734.43	
For Analog 2: 4-20mA Analog Modulating Output Module, Add	734.43	
For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	322.41	
<b>46 82 83 00-2652 Sultan Remote Open Flow Transmitters (46 82 83 00-2642)</b>		
46 82 83 00-2653 EA 2/3/4 Wire, 5 Relays, 12-30 VDC, Modbus, Polycarbonate, Remote Open Channel Flow Transmitter (Hawk AWR234).....	1,429.70	91.89
For Power Supply 'C', 30-48 VDC And 48-90 VAC, Add	372.68	
Note: 234 Units Only		
For Power Supply 'U', 12-30 VDC And 90-260 VAC, Add	291.80	
For Switch Only With 5 Relays, Add	31.69	
Note: For AWR234 Only		
For 4-20mA Analog, Add	434.97	
For 4-20mA Analog With HART Isolated 4 Wire, Add	496.18	
Note: For AWR234 Only		
For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	422.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>46 82 83 00-2654 Sultan Remote Transducers <small>(46 82 83 00-2642)</small></b>		
46 82 83 00-2655 EA 2", 50kHz For Liquid Applications Up To 5m, Acoustic Wave Sultan Remote Transducer (Hawk AWRT50) .....	630.89	36.76
For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	460.11	
For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add	460.11	
For Approval Standard IECEx Zone 1 Ex mb II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	440.44	
For Approval Standard ATEX Grp II Cat 2 GD EEx m II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	440.44	
For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add	434.97	
For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add	434.97	
For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	310.38	
For Approval Standard CSA Equip Class 2; Pollution deg 2; Tamb -20°C to 75°C (Ordinary Locations), Add	418.58	
For Approval Standard CSA Class I; Div 1/2; Group D; Zone 0; AEx/Ex ia IIA; T4, Add	418.58	
For Approval Standard CSA Class II; Div 2; Group F&G; Class III; T6 T85 for Tamb -20°C to 75°C, Add	418.58	
For Approval Standard CSA Class II; Div 1; Group E, F&G; Ex mb II; T5(T100) for Tamb -20°C to 65°C; T6(T85) for Tamb -20°C to 50°C, Add	418.58	
For Cable Suspension For Remote 50/40/30/20kH, Add	62.30	
For Flow - Transducer With Multifit Shading Flange And Fast Temperature Compensation, Add	357.38	
46 82 83 00-2656 EA 2", 40kHz For Liquid Applications Up To 7m, Acoustic Wave Sultan Remote Transducer (Hawk AWRT40) .....	762.04	36.76
For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	460.11	
For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add	460.11	
For Approval Standard IECEx Zone 1 Ex mb II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	440.44	
For Approval Standard ATEX Grp II Cat 2 GD EEx m II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	440.44	
For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add	434.97	
For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add	434.97	
For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	310.38	
For Approval Standard CSA Equip Class 2; Pollution deg 2; Tamb -20°C to 75°C (Ordinary Locations), Add	418.58	
For Approval Standard CSA Class I; Div 1/2; Group D; Zone 0; AEx/Ex ia IIA; T4, Add	418.58	
For Approval Standard CSA Class II; Div 2; Group F&G; Class III; T6 T85 for Tamb -20°C to 75°C, Add	418.58	
For Approval Standard CSA Class II; Div 1; Group E, F&G; Ex mb II; T5(T100) for Tamb -20°C to 65°C; T6(T85) for Tamb -20°C to 50°C, Add	418.58	
For Cable Suspension For Remote 50/40/30/20kH, Add	62.30	
For Flow - Transducer With Multifit Shading Flange And Fast Temperature Compensation, Add	357.38	
46 82 83 00-2657 EA 2", 30kHz For Liquid Applications Up To 11m, Acoustic Wave Sultan Remote Transducer (Hawk AWRT30) .....	861.49	36.76
For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	460.11	
For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add	460.11	
For Approval Standard IECEx Zone 1 Ex mb II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	440.44	
For Approval Standard ATEX Grp II Cat 2 GD EEx m II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	440.44	
For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add	434.97	
For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add	434.97	
For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	310.38	
For Approval Standard CSA Equip Class 2; Pollution deg 2; Tamb -20°C to 75°C (Ordinary Locations), Add	418.58	
For Approval Standard CSA Class I; Div 1/2; Group D; Zone 0; AEx/Ex ia IIA; T4, Add	418.58	
For Approval Standard CSA Class II; Div 2; Group F&G; Class III; T6 T85 for Tamb -20°C to 75°C, Add	418.58	
For Approval Standard CSA Class II; Div 1; Group E, F&G; Ex mb II; T5(T100) for Tamb -20°C to 65°C; T6(T85) for Tamb -20°C to 50°C, Add	418.58	
For Cable Suspension For Remote 50/40/30/20kH, Add	62.30	
For Flow - Transducer With Multifit Shading Flange And Fast Temperature Compensation, Add	357.38	
For 3" End Cap Mounting Thread Sizes, Add	118.03	
46 82 83 00-2658 EA 3", 30kHz For Liquid Applications Up To 15m, Acoustic Wave Sultan Remote Transducer (Hawk AWRT30) .....	935.01	73.51
Note: 4" Cone Required		
For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	460.11	
For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add	460.11	
For Approval Standard IECEx Zone 1 Ex mb II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	440.44	
For Approval Standard ATEX Grp II Cat 2 GD EEx m II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	440.44	
For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add	434.97	
For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add	434.97	
For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	310.38	
For Approval Standard CSA Equip Class 2; Pollution deg 2; Tamb -20°C to 75°C (Ordinary Locations), Add	418.58	
For Approval Standard CSA Class I; Div 1/2; Group D; Zone 0; AEx/Ex ia IIA; T4, Add	418.58	
For Approval Standard CSA Class II; Div 2; Group F&G; Class III; T6 T85 for Tamb -20°C to 75°C, Add	418.58	
For Approval Standard CSA Class II; Div 1; Group E, F&G; Ex mb II; T5(T100) for Tamb -20°C to 65°C; T6(T85) for Tamb -20°C to 50°C, Add	418.58	
For Cable Suspension For Remote 50/40/30/20kH, Add	62.30	
For Flow - Transducer With Multifit Shading Flange And Fast Temperature Compensation, Add	357.38	
For 3" End Cap Mounting Thread Sizes, Add	118.03	
46 82 83 00-2659 EA 3", 20kHz For Liquid Applications Up To 20m, Acoustic Wave Sultan Remote Transducer (Hawk AWRT20) .....	1,126.27	73.51
Note: 4" Cone Required		
For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	460.11	
For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add	460.11	
For Approval Standard IECEx Zone 1 Ex mb II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	440.44	
For Approval Standard ATEX Grp II Cat 2 GD EEx m II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	440.44	
For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add	434.97	
For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add	434.97	
For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	310.38	
For Approval Standard CSA Equip Class 2; Pollution deg 2; Tamb -20°C to 75°C (Ordinary Locations), Add	418.58	
For Approval Standard CSA Class I; Div 1/2; Group D; Zone 0; AEx/Ex ia IIA; T4, Add	418.58	
For Approval Standard CSA Class II; Div 2; Group F&G; Class III; T6 T85 for Tamb -20°C to 75°C, Add	418.58	
For Approval Standard CSA Class II; Div 1; Group E, F&G; Ex mb II; T5(T100) for Tamb -20°C to 65°C; T6(T85) for Tamb -20°C to 50°C, Add	418.58	
For Cable Suspension For Remote 50/40/30/20kH, Add	62.30	
For Flow - Transducer With Multifit Shading Flange And Fast Temperature Compensation, Add	357.38	
For 3" End Cap Mounting Thread Sizes, Add	118.03	



**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2660	EA	3"	15kHz For Liquid Applications Up To 30m, Acoustic Wave Sultan Remote Transducer (Hawk AWRT15)..... Note: 8" Or 10" Cone Required For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add For Approval Standard IECEx Zone 1 Ex mb II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add For Approval Standard ATEX Grp II Cat 2 GD EEx m II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add For Approval Standard CSA Equip Class 2; Pollution deg 2; Tamb -20°C to 75°C (Ordinary Locations), Add For Approval Standard CSA Class I; Div 1/2; Group D; Zone 0; AEx/Ex ia IIA; T4, Add For Approval Standard CSA Class II; Div 2; Group F&G; Class III; T6 T85 for Tamb -20°C to 75°C, Add For Approval Standard CSA Class II; Div 1; Group E, F&G; Ex mb II; T5(T100) for Tamb -20°C to 65°C; T6(T85) for Tamb -20°C to 50°C, Add For Cable Suspension For Remote 50/40/30/20kH, Add For Titanium Facing Material, Add For 3" End Cap Mounting Thread Sizes, Add	1,336.80	91.89
46 82 83 00-2661	EA	3-1/2"	10kHz For Liquid Applications Up To 40m, Acoustic Wave Sultan Remote Transducer (Hawk AWRT10) ..... Note: 10" Cone Required For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add For Approval Standard IECEx Zone 1 Ex mb II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add For Approval Standard ATEX Grp II Cat 2 GD EEx m II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add For Approval Standard CSA Equip Class 2; Pollution deg 2; Tamb -20°C to 75°C (Ordinary Locations), Add For Approval Standard CSA Class I; Div 1/2; Group D; Zone 0; AEx/Ex ia IIA; T4, Add For Approval Standard CSA Class II; Div 2; Group F&G; Class III; T6 T85 for Tamb -20°C to 75°C, Add For Approval Standard CSA Class II; Div 1; Group E, F&G; Ex mb II; T5(T100) for Tamb -20°C to 65°C; T6(T85) for Tamb -20°C to 50°C, Add For 3-1/2" End Cap Mounting Thread Sizes, Add	1,707.99	110.27
46 82 83 00-2662	EA	3"	9kHz For High Power Extended Range Applications Up To 170m, Acoustic Wave Sultan Remote Transducer (Hawk AWRT09)..... Note: 10" Cone Required For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add For Approval Standard IECEx Zone 1 Ex mb II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add For Approval Standard ATEX Grp II Cat 2 GD EEx m II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add For Approval Standard CSA Equip Class 2; Pollution deg 2; Tamb -20°C to 75°C (Ordinary Locations), Add For Approval Standard CSA Class I; Div 1/2; Group D; Zone 0; AEx/Ex ia IIA; T4, Add For Approval Standard CSA Class II; Div 2; Group F&G; Class III; T6 T85 for Tamb -20°C to 75°C, Add For Approval Standard CSA Class II; Div 1; Group E, F&G; Ex mb II; T5(T100) for Tamb -20°C to 65°C; T6(T85) for Tamb -20°C to 50°C, Add For 3-1/2" End Cap Mounting Thread Sizes, Add	2,514.55	110.27
46 82 83 00-2663	EA	3-1/2"	5kHz For Applications Up To 60m, Acoustic Wave Sultan Remote Transducer (Hawk AWRT05)..... Note: 10" Cone Required, Polyolefin Face Only For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add For Approval Standard IECEx Zone 1 Ex mb II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add For Approval Standard ATEX Grp II Cat 2 GD EEx m II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add For Approval Standard CSA Equip Class 2; Pollution deg 2; Tamb -20°C to 75°C (Ordinary Locations), Add For Approval Standard CSA Class I; Div 1/2; Group D; Zone 0; AEx/Ex ia IIA; T4, Add For Approval Standard CSA Class II; Div 2; Group F&G; Class III; T6 T85 for Tamb -20°C to 75°C, Add For Approval Standard CSA Class II; Div 1; Group E, F&G; Ex mb II; T5(T100) for Tamb -20°C to 65°C; T6(T85) for Tamb -20°C to 50°C, Add For 3-1/2" End Cap Mounting Thread Sizes, Add	2,018.37	110.27
46 82 83 00-2664	EA	3"	4kHz For High Power Extended Range Applications Up To 170m, Acoustic Wave Sultan Remote Transducer (Hawk AWRT04)..... Note: 10" Cone Required, Polyolefin Face Only For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add For Approval Standard IECEx Zone 1 Ex mb II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add For Approval Standard ATEX Grp II Cat 2 GD EEx m II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add For Approval Standard CSA Equip Class 2; Pollution deg 2; Tamb -20°C to 75°C (Ordinary Locations), Add For Approval Standard CSA Class I; Div 1/2; Group D; Zone 0; AEx/Ex ia IIA; T4, Add For Approval Standard CSA Class II; Div 2; Group F&G; Class III; T6 T85 for Tamb -20°C to 75°C, Add For Approval Standard CSA Class II; Div 1; Group E, F&G; Ex mb II; T5(T100) for Tamb -20°C to 65°C; T6(T85) for Tamb -20°C to 50°C, Add For 3-1/2" End Cap Mounting Thread Sizes, Add	2,762.64	110.27

46 82 83 00-2665 Sultan Smart Transducers (46 82 83 00-2642)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2666 EA 12-30 VDC, 2 Wire, 4-20mA, Sultan Acoustic Wave Smart Transducer (Hawk AWST-A).....	786.08	36.76
For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	460.11	
For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add	460.11	
For Approval Standard IECEx Zone 1 Ex mb II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	440.44	
For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add	434.97	
For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add	434.97	
For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	310.38	
For 3" End Cap Mounting Thread Sizes, Add	118.03	
For 50kHz For Liquid Applications Up To 5m, Add	580.33	
Note: Availbale in 2" Only		
For 40kHz For Applications Up To 7m, Add	715.85	
Note: Available in 2" only		
For 30kHz For Applications Up To 11m For 2" And 15m For 3", Add	784.70	
Note: (4" cone Required For 3" units)		
For 20kHz For Applications Up To 20m, Add	1,018.58	
Note: 4" Cone Required, Available in 3" Only		
For 15kHz For Applications Up To 30m, Add	1,198.91	
Note: 8" or 10" Cone Required, Available in 3" Only		
For 10kHz For Applications Up To 40m, Add	1,544.27	
Note: 10" Cone Required, Available in 3-1/2" Only		
For 9kHz For High Power Extended Range Applications Up To 170m, Add	2,381.43	
Note: 10" Cone Required		
For 5kHz For Applications Up To 60m, Add	1,867.77	
Note: 10" Cone Required, Available in 3-1/2" Only, Polyolefin Face Only		
For 4kHz For High Power Extended Range Applications Up To 170m, Add	2,639.35	
Note: 10" Cone Required, Polyolefin Face Only		
For Titanium Facing Material For 15kHz Only, Add	713.66	
For Connection Above With Suspension Fitting, Add	85.25	
46 82 83 00-2667 EA 12-30 VDC, 1 Relay, Sultan Acoustic Wave Smart Transducer With Modbus (Hawk AWST-C) .....	898.65	36.76
For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	310.38	
For 3" End Cap Mounting Thread Sizes, Add	118.03	
For 50kHz For Liquid Applications Up To 5m, Add	580.33	
Note: Availbale in 2" Only		
For 40kHz For Applications Up To 7m, Add	715.85	
Note: Available in 2" only		
For 30kHz For Applications Up To 11m For 2" And 15m For 3", Add	784.70	
Note: (4" cone Required For 3" units)		
For 20kHz For Applications Up To 20m, Add	1,018.58	
Note: 4" Cone Required, Available in 3" Only		
For 15kHz For Applications Up To 30m, Add	1,198.91	
Note: 8" or 10" Cone Required, Available in 3" Only		
For 10kHz For Applications Up To 40m, Add	1,544.27	
Note: 10" Cone Required, Available in 3-1/2" Only		
For 9kHz For High Power Extended Range Applications Up To 170m, Add	2,381.43	
Note: 10" Cone Required		
For 5kHz For Applications Up To 60m, Add	1,867.77	
Note: 10" Cone Required, Available in 3-1/2" Only, Polyolefin Face Only		
For 4kHz For High Power Extended Range Applications Up To 170m, Add	2,639.35	
Note: 10" Cone Required, Polyolefin Face Only		
For Titanium Facing Material For 15kHz Only, Add	713.66	
For Connection Above With Suspension Fitting, Add	85.25	
46 82 83 00-2668 EA 12-30 VDC, 2/3/4 Wire, 1 Relay, 4-20mA, Sultan Acoustic Wave Smart Transducer With Modbus (Hawk AWST-D).....	1,001.38	36.76
For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	310.38	
For 3" End Cap Mounting Thread Sizes, Add	118.03	
For 50kHz For Liquid Applications Up To 5m, Add	580.33	
Note: Availbale in 2" Only		
For 40kHz For Applications Up To 7m, Add	715.85	
Note: Available in 2" only		
For 30kHz For Applications Up To 11m For 2" And 15m For 3", Add	784.70	
Note: (4" cone Required For 3" units)		
For 20kHz For Applications Up To 20m, Add	1,018.58	
Note: 4" Cone Required, Available in 3" Only		
For 15kHz For Applications Up To 30m, Add	1,198.91	
Note: 8" or 10" Cone Required, Available in 3" Only		
For 10kHz For Applications Up To 40m, Add	1,544.27	
Note: 10" Cone Required, Available in 3-1/2" Only		
For 9kHz For High Power Extended Range Applications Up To 170m, Add	2,381.43	
Note: 10" Cone Required		
For 5kHz For Applications Up To 60m, Add	1,867.77	
Note: 10" Cone Required, Available in 3-1/2" Only, Polyolefin Face Only		
For 4kHz For High Power Extended Range Applications Up To 170m, Add	2,639.35	
Note: 10" Cone Required, Polyolefin Face Only		
For Titanium Facing Material For 15kHz Only, Add	713.66	
For Connection Above With Suspension Fitting, Add	85.25	
46 82 83 00-2669 Flanges, Focalizer Cones, And Cables <small>(46 82 83 00-2642)</small>		
46 82 83 00-2670 EA 2" ANSI Polypropylene Flange .....	239.54	47.44
Note: Fits 2" NPT Transducer Thread		
46 82 83 00-2671 EA 3" ANSI Polypropylene Flange .....	239.92	55.41
Note: Available Ss FA3A-4, Fits C03-4-Z Cone Only		
46 82 83 00-2672 EA 4" ANSI, Acoustically Isolated, Polypropylene Flange .....	286.52	93.22
Note: Fits 3" Units And 2" Units With Cone		
46 82 83 00-2673 EA 6" ANSI, Acoustically Isolated, Polypropylene Flange .....	394.53	114.73
Note: Fits 3" And 3.5" Units		

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2674 EA 8" ANSI, Acoustically Isolated, Polypropylene Flange ..... Note: Fits 3" And 3.5" Units	523.20	132.94
46 82 83 00-2675 EA 10" ANSI, Acoustically Isolated, Polypropylene Flange ..... Note: Fits 3" And 3.5" Units	706.14	161.84
46 82 83 00-2676 EA 6" ANSI Flange (Hawk FA6D50-4)..... Note: Fits 3.5" Transducers With TB50 End Cap/Black Cap.	502.73	114.73
46 82 83 00-2677 EA 8" Cone Mounted Flange (Hawk FA8A-4-C4)..... Note: Fits C04-4 / C02 Cones	670.74	132.94
46 82 83 00-2678 EA 6" Multifit Polypropylene Flange (Hawk FS6N-4) ..... Note: For 1" BSP Threaded Cable Entry Mount	504.91	114.73
46 82 83 00-2679 EA 4" ANSI Type Angle Flange (Hawk FA4C-4).....	246.09	93.22
46 82 83 00-2680 EA 6" ANSI Type Angle Flange (Hawk FA8C-4).....	311.47	114.73
46 82 83 00-2681 EA 10" ANSI Type Angle Flange (Hawk FA10C-4).....	416.52	161.84
46 82 83 00-2682 EA C04, Polypropylene, Cone With Adapter For 2" NPT Transducer..... Note: 02N	200.33	12.75
For Carbon Fiber Material, Add	1,428.42	
Note: Comes attached to Carbon Fibre ANSI Flange		
For Carbon Fiber Material, Add	1,428.42	
Note: Comes attached to Carbon Fibre DIN Flange		
For Carbon Fiber Material, Add	1,428.42	
Note: Comes attached to Carbon Fibre JIS Flange		
For Polyurethane Material, Add	546.45	
46 82 83 00-2683 EA C04, Polypropylene, Cone With Adapter For 2" BSP Transducer..... Note: 02B	200.33	12.75
For Carbon Fiber Material, Add	1,428.42	
Note: Comes attached to Carbon Fibre ANSI Flange		
For Carbon Fiber Material, Add	1,428.42	
Note: Comes attached to Carbon Fibre DIN Flange		
For Carbon Fiber Material, Add	1,428.42	
Note: Comes attached to Carbon Fibre JIS Flange		
For Polyurethane Material, Add	546.45	
46 82 83 00-2684 EA 4" Polypropylene Cone For 20kHz And 3" 30kHz Transducers ..... For Carbon Fiber Material, Add	369.33	185.79
Note: Comes attached to Carbon Fibre ANSI Flange	1,428.42	
For Carbon Fiber Material, Add	1,428.42	
Note: Comes attached to Carbon Fibre DIN Flange		
For Carbon Fiber Material, Add	1,428.42	
Note: Comes attached to Carbon Fibre JIS Flange		
For Polyurethane Material, Add	546.45	
46 82 83 00-2685 EA 8" Polypropylene Cone For 15kHz/10kHz..... For Carbon Fiber Material, Add	552.99	265.89
Note: Comes attached to Carbon Fibre ANSI Flange	1,428.42	
For Carbon Fiber Material, Add	1,428.42	
Note: Comes attached to Carbon Fibre DIN Flange		
For Carbon Fiber Material, Add	1,428.42	
Note: Comes attached to Carbon Fibre JIS Flange		
For Polyurethane Material, Add	546.45	
46 82 83 00-2686 EA 10" Polypropylene Cone For 15kHz/10kHz/9kHz/5kHz/4kHz ..... For Carbon Fiber Material, Add	665.80	323.69
Note: Comes attached to Carbon Fibre ANSI Flange	1,428.42	
For Carbon Fiber Material, Add	1,428.42	
Note: Comes attached to Carbon Fibre DIN Flange		
For Carbon Fiber Material, Add	1,428.42	
Note: Comes attached to Carbon Fibre JIS Flange		
For Polyurethane Material, Add	546.45	
46 82 83 00-2687 EA 3" Outside Diameter, Special Cone And Connection Adapter (Hawk C03-4-Z)..... Note: Fits 3" units only. Fits FA3A-4 flange only	464.53	110.82
46 82 83 00-2688 EA 90mm Outside Diameter Cone (Hawk C04-4-ZOD90)..... Note: Fits 3" units only	275.46	110.82
46 82 83 00-2689 EA 4" And 6" Flanges/Cones, Polypropylene Locking Ring.....	40.48	
46 82 83 00-2690 EA 8" Cones For 15kHz Units, Polypropylene Locking Ring .....	52.50	
46 82 83 00-2691 EA 10" Flanges/Cones, Polypropylene Locking Ring .....	64.52	
46 82 83 00-2692 EA Standard Cables, 15 Meters (Hawk CA-TXCC-R-C15).....	113.06	
46 82 83 00-2693 EA Standard Cables, 30 Meters (Hawk CA-TXCC-R-C30).....	210.33	
46 82 83 00-2694 EA Standard Cables, 50 Meters (Hawk CA-TXCC-R-C50).....	341.48	
<b>46 82 83 00-2695 HawkLink 3G Modem</b> <small>(46 82 83 00-2642)</small>		
46 82 83 00-2696 EA 3G, 12 - 30 VDC, Remote Stand Alone System (Hawk HL)..... Note: Mounted In A Sultan Remote Enclosure With Antenna	2,612.64	146.75
For Power Supply 'U', 12-30 VDC And 90-260 VAC, Add	278.69	
46 82 83 00-2697 EA USB Cable And Converter For Goshawk II (Hawk HAWKLINK-USB) .....	372.06	7.34
46 82 83 00-2698 EA Mini USB To USB Cable And Converter For MiniWave (Hawk Hawklink-MiniUSB) .....	266.05	7.34
46 82 83 00-2699 EA ProCom Sol HART Modem (Hawk HART-USB-PROCOM) .....	654.65	
46 82 83 00-2700 MO 3G Wireless, Modbus, Remote Troubleshooting, HawkLink Modem Rental..... Note: In order to receive a HawkLink rental, the customer will be required to provide a purchase order to insure that the HawkLink is returned within the 30 day period. In the event that the HawkLink modem is not returned after 30 days, the customer will be billed \$600.00 per month until the unit is returned.	655.74	
<b>46 82 83 00-2701 Miscellaneous Part And Accessories</b> <small>(46 82 83 00-2642)</small>		
46 82 83 00-2702 EA Stainless Steel Sunhood For Sultan, Orca, GSA And GSM (HAWK SUNHOOD) .....	440.44	
Note: Included With OSIRSC Package		
46 82 83 00-2703 EA Junction Box With 1m Cable (HAWK AWRT-JB-01).....	232.79	
46 82 83 00-2704 EA Junction Box With 6m Cable (HAWK AWRT-JB-06).....	281.97	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2705 EA Standard Stainless Steel Tags (HAWK SS TAGS) .....	74.32	
46 82 83 00-2706 EA Inspection Test Plan .....	114.75	
Note: 1 Per Product Type		
46 82 83 00-2707 EA Declaration Of Conformity.....	56.83	
46 82 83 00-2708 EA Test Certificate.....	56.83	
46 82 83 00-2709 EA 5 Point Measurement Calibration Certificate.....	114.75	
46 82 83 00-2710 EA Wiring/Dimension Drawing.....	114.75	
Note: 1 Per Product Type		
46 82 83 00-2711 EA Certified Wiring/Dimension Drawing .....	114.75	
Note: 1 Per Product Type		
46 82 83 00-2712 EA Fabrication / Manufacturing Schedule .....	114.75	
46 82 83 00-2713 EA Calibration Certificate .....	56.83	
46 82 83 00-2714 EA Welder Qualifications.....	56.83	
Note: Supplied By Welder		
46 82 83 00-2715 EA Welding Procedures .....	56.83	
Note: Supplied By Welder		
46 82 83 00-2716 EA Certificate of Conformity .....	56.83	
46 82 83 00-2717 EA Inspection Test Plan .....	114.75	
Note: 1 Per Product Type		
46 82 83 00-2718 EA Customized Engineering Drawings.....	114.75	
Note: 1 Per Product Type		
46 82 83 00-2719 EA Certified Drawings .....	114.75	
Note: 1 Per Product Type		
46 82 83 00-2720 EA Hydrostatic Testing .....	114.75	
46 82 83 00-2721 EA Material Certificates .....	56.83	
Note: 1 Per Product Type		
46 82 83 00-2722 EA NACE Certificates.....	56.83	
<b>46 82 83 00-2723 On-Site Technical Support</b> <small>(46 82 83 00-2642)</small>		
<p>Note: Travel days are billed as additional days at the level of service supplied. If arrival or departure is concurrent with a workday, the daily charge will be no more than the next highest level of service for that day We will bill for portal to portal travel and incidentals at actual cost. This includes: coach class airfare, lodging, meals, car or equipment rental, field service parts and supplies. You will receive a listing of charges for travel with our invoice. You may cancel or reschedule a service call at any time prior to departure without penalty. Any cancellation charges incurred will be billed at cost. Cancellations received after departure will be invoiced for cancellation charges and expenses, plus a minimum of one day of labor.</p>		
46 82 83 00-2724 Day Standard On-Site Technical Support .....	1,530.06	
Note: Schedule 2 Weeks In Advance		
46 82 83 00-2725 Day Premium On-Site Technical Support .....	2,103.83	
Note: Longer Than 8 Hours, Less Than 12 Hours		
46 82 83 00-2726 Day Priority On-Site Technical Support.....	3,060.12	
Note: On-Site Within 72 Hours		
<b>46 82 83 00-2727 Level Equipment And Instrumentation (Siemens Miltronics)</b> <small>(46 82 83 00-2641)</small>		
46 82 83 00-2728 EA 2-Wire Ultrasonic Level Probe, 1-16.4" Range, NEMA 4 Enclosure, 4-20mA Loop Powered Output. Model Milltronics Two-Wire PROBE.....	1,480.64	24.44
46 82 83 00-2729 EA Ultrasonic Transceiver, NEMA 4X, 2 Alarm Relays, 0-16' Range. Model: Milltronics MiniRanger .....	1,860.51	45.95
46 82 83 00-2730 EA Ultrasonic Transceiver, NEMA 4X, 4 Alarm Relays, 0-200' Range. Model: Milltronics AirRanger DPL Plus .....	3,528.07	45.95
For Hand Held Programmable Calibrator, Add	75.00	
For LIS-1 Loop Isolator, Add	185.00	
46 82 83 00-2731 EA Multiranger 100 Single Channel Ultrasonic Level Monitor Controller (Siemens Milltronics PN7ML5034-1AA001A).....	1,735.69	45.95
46 82 83 00-2732 EA Multiranger 200 Dual Channel Ultrasonic Level Monitor Controller (Siemens Milltronics PN7ML5034-1AB001A) .....	2,023.50	45.95
46 82 83 00-2733 EA Hydorranger Single Channel Ultrasonic Level Monitor Controller (Siemens Milltronics PN5033-1AA001A) .....	1,240.69	45.95
For Hand Held Programmable Calibrator, Add	75.00	
46 82 83 00-2734 EA Hydorranger Dual Channel Ultrasonic Level Monitor Controller (Siemens Milltronics PN5033-1AB001A) .....	2,027.23	45.95
46 82 83 00-2735 EA OCMIII Ultrasonic Flow Monitor For Open Channels (Siemens Milltronics PN 7ML5001-1A00B2) .....	2,729.63	36.76
For Hand Held Programmable Calibrator, Add	75.00	
For Transducer, Mounting, 1 To 10' Range, 100' Interconnect Cable, Add	385.00	
Note: Interconnect Cable, Add		
For Temperature Compensator Probe, Add	225.00	
46 82 83 00-2736 EA Liquid Level Sensor, 15' Cable (Siemens Milltronics ST-H).....	912.38	27.57
46 82 83 00-2737 EA Liquid And Solids Level Sensor, 15' Cable (Siemens Milltronics XPS-10).....	779.42	26.84
46 82 83 00-2738 EA Liquid And Solids Level Sensor, 15' Cable (Siemens Milltronics XPS-15).....	976.90	27.57
46 82 83 00-2739 EA Liquid And Solids Level Sensor, 15' Cable (Siemens Milltronics XPS-30).....	1,427.23	27.57
46 82 83 00-2740 EA Liquid And Solids Level Sensor, 15' Cable (Siemens Milltronics XPS-40).....	1,811.82	27.57
<b>46 82 83 00-2741 Process Measurement (Pulsar)</b> <small>(46 82 83 00-2641)</small>		
46 82 83 00-2742 EA 0.15 To 3m Liquid And Solid Level Measurement Transducer With 5m Cable (Pulsar dB3) .....	786.72	36.69
For 10m Cable, Add	43.42	
For 20m Cable, Add	124.06	
For 30m Cable, Add	223.31	
For Submersible Shield, Add	93.04	
For 1-1/2" Or 2" Front Nose Thread, Add	80.64	
For 2" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	173.68	
For 3" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	186.09	
For 4" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	210.90	
For 6" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	235.71	
For 8" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	372.18	
For Polyvinylidene Fluoride (PVDF) Housing, Add	68.23	
For Intrinsically Safe ATEX Approved EEx ia IIC T6, Add	136.47	

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2743 EA 0.3 To 6m Liquid And Solid Level Measurement Transducer With 5m Cable (Pulsar dB6) .....	954.21	36.69
For 10m Cable, Add	43.42	
For 20m Cable, Add	124.06	
For 30m Cable, Add	223.31	
For Submersible Shield, Add	93.04	
For 1-1/2" Or 2" Front Nose Thread, Add	80.64	
For 2" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	173.68	
For 3" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	186.09	
For 4" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	210.90	
For 6" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	235.71	
For 8" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	372.18	
For Polyvinylidene Fluoride (PVDF) Housing, Add	68.23	
For Foam Facing, Add	93.04	
For Intrinsically Safe ATEX Approved EEx ia IIC T6, Add	136.47	
46 82 83 00-2744 EA 0.3 To 10m Liquid And Solid Level Measurement Transducer With 5m Cable (Pulsar dB10) .....	1,053.45	36.69
For 10m Cable, Add	43.42	
For 20m Cable, Add	124.06	
For 30m Cable, Add	223.31	
For Submersible Shield, Add	93.04	
For 1-1/2" Or 2" Front Nose Thread, Add	80.64	
For 2" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	173.68	
For 3" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	186.09	
For 4" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	210.90	
For 6" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	235.71	
For 8" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	372.18	
For Polyvinylidene Fluoride (PVDF) Housing, Add	68.23	
For Foam Facing, Add	93.04	
For Intrinsically Safe ATEX Approved EEx ia IIC T6, Add	136.47	
46 82 83 00-2745 EA 0.5 To 15m Liquid And Solid Level Measurement Narrow Beam Transducer With 5m Cable (Pulsar dB15) .....	1,345.00	36.69
For 10m Cable, Add	43.42	
For 20m Cable, Add	124.06	
For 30m Cable, Add	223.31	
For Submersible Shield, Add	93.04	
For 3" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	186.09	
For 4" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	210.90	
For 6" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	235.71	
For 8" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	372.18	
For Polyvinylidene Fluoride (PVDF) Housing, Add	68.23	
For Foam Facing, Add	93.04	
For Intrinsically Safe ATEX Approved EEx ia IIC T6, Add	136.47	
46 82 83 00-2746 EA 0.6 To 25m Liquid And Solid Level Measurement Narrow Beam, Mid Range Transducer With 5m Cable (Pulsar dB25) .....	1,971.50	36.69
For 10m Cable, Add	43.42	
For 20m Cable, Add	124.06	
For 30m Cable, Add	223.31	
For Submersible Shield, Add	93.04	
For Foam Facing, Add	93.04	
For Intrinsically Safe ATEX Approved EEx ia IIC T6, Add	136.47	
46 82 83 00-2747 EA 1.2 To 40m Liquid And Solid Level Measurement Narrow Beam, Long Range Transducer With 5m Cable (Pulsar dB40) .....	2,759.28	36.69
For 10m Cable, Add	43.42	
For 20m Cable, Add	124.06	
For 30m Cable, Add	223.31	
For Submersible Shield, Add	93.04	
For Foam Facing, Add	93.04	
46 82 83 00-2748 EA Level, Volume, Pump Control And Open Channel Flow Control Microprocessor (Pulsar Ultra 3) .....	1,376.01	36.69
For Intrinsically Safe, 4-20mA Output (Wall Mount), Add	527.26	
For UL/CuL Approved (Wall Mount) 4-20mA Output, Add	37.22	
For Panel Mount (NEMA 4X Face) Enclosure, Add	527.26	
For Rack Mount (19" Version) Enclosure, Add	279.14	
For Fascia Mount (NEMA 12) Enclosure, Add	279.14	
For RS-485 Modbus RTU And Data Logging, Add	465.22	
For Profibus dP Version 0 And Data Logging, Add	527.26	
For Profibus dP Version 1 And Data Logging, Add	738.16	
For PC Ultra Software Program - Serial Port Lead, Add	365.98	
For PC Ultra Software Program - USB Converter Lead, Add	527.26	
For PC Elephant Data Logging Software - Serial Port Lead, Add	614.10	
For PC Elephant Data Logging Software - USB Converter Lead, Add	787.78	
For Pulsar PC Software Suite - Serial Port Lead, Add	601.69	
For Pulsar PC Software Suite - USB Converter Lead, Add	738.16	
For Ultra Scan PC Vessel Profile And Contents Display, Add	1,978.76	
For Communicator - Infra Red Remote, Add	490.04	
For PC Serial Port Connection Lead, Add	99.25	
For PC Connection Lead With USB Converter, Add	179.89	
For Tagging - Stainless Steel, Add	93.04	
For Hydro Ranger Adapter Plate, Add	124.06	
For Additional Manuals, Add	55.83	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2749 EA Level, Volume, Pump Control, Differential And Open Channel Flow Control Microprocessor (Pulsar Ultra 5) .....	1,605.52	36.69
<i>For UL/CuL Approved (Wall Mount) 4-20mA Output, Add</i>	37.22	
<i>For Panel Mount (NEMA 4X Face) Enclosure, Add</i>	527.26	
<i>For Rack Mount (19" Version) Enclosure, Add</i>	279.14	
<i>For Fascia Mount (NEMA 12) Enclosure, Add</i>	279.14	
<i>For RS-485 Modbus RTU And Data Logging, Add</i>	465.22	
<i>For Profibus dP Version 0 And Data Logging, Add</i>	527.26	
<i>For Profibus dP Version 1 And Data Logging, Add</i>	738.16	
<i>For PC Ultra Software Program - Serial Port Lead, Add</i>	365.98	
<i>For PC Ultra Software Program - USB Converter Lead, Add</i>	527.26	
<i>For PC Elephant Data Logging Software - Serial Port Lead, Add</i>	614.10	
<i>For PC Elephant Data Logging Software - USB Converter Lead, Add</i>	787.78	
<i>For Pulsar PC Software Suite - Serial Port Lead, Add</i>	601.69	
<i>For Pulsar PC Software Suite - USB Converter Lead, Add</i>	738.16	
<i>For Ultra Scan PC Vessel Profile And Contents Display, Add</i>	1,978.76	
<i>For Communicator - Infra Red Remote, Add</i>	490.04	
<i>For PC Serial Port Connection Lead, Add</i>	99.25	
<i>For PC Connection Lead With USB Converter, Add</i>	179.89	
<i>For Tagging - Stainless Steel, Add</i>	93.04	
<i>For Hydro Ranger Adapter Plate, Add</i>	124.06	
<i>For Additional Manuals, Add</i>	55.83	
<b>46 82 83 00-2750 Level Equipment And Instrumentation (Omntec) <small>(46 82 83 00-2641)</small></b>		
46 82 83 00-2751 EA Up To 8 Magnetostrictive Probes, Up To 44 BX Series Leak Dection Sensors, Four Line By 40 Character Display, Tank Gauging And Leak Detection Controller With Printer (Omntec OEL8000IIP) .....	3,554.21	45.95
46 82 83 00-2752 EA Up To 4 MTG Series Inventory Probes And 16 BX Series Leak Sensors, 7" Touch Screen Display, Tank Gauging And Leak Detection Controller (Omntec OEL8000IIB4) .....	2,133.11	45.95
46 82 83 00-2753 EA Up To 4 MTG Series Inventory Probes And 16 BX Series Leak Sensors, 7" Touch Screen Display, Tank Gauging And Leak Detection Controller With Printer (Omntec OEL8000IIK4P) .....	3,593.53	45.95
46 82 83 00-2754 EA Up To 16 MTG Series Inventory Probes And 64 BX Series Leak Sensors, 7" Touch Screen Display, Tank Gauging And Leak Detection Controller (Omntec OEL8000IIXP) .....	5,251.67	45.95
46 82 83 00-2755 EA 4 Probe And 16 Leak Sensor Module For Proteus X Controller (Omntec XB-416) .....	826.59	45.95
46 82 83 00-2756 EA 8 Channel Relay Board For Proteus X Controller (Omntec XB-RB8) .....	767.05	45.95
46 82 83 00-2757 EA Magnetostrictive Tank Gauging Probe (Omntec MTG) .....	1,675.07	27.57
Note: Up To 12' Tank Diameter, Includes Buna Float Set For Product And Water, 4" Cap And Install Kit		
46 82 83 00-2758 EA Magnetostrictive Tank Gauging Probe (Omntec MTG-V) .....	1,415.57	27.57
Note: For Inventory Only, Up To 12' Tank Diameter, Includes 4" Cap And Install Kit		
46 82 83 00-2759 EA 4' Diameter Double Wall Fiberglass Tank Annular Space, Product Distinguishing Bright Eye Sensor (Omntec BX-PDWF-4) .....	457.31	27.57
46 82 83 00-2760 EA 6' Diameter Double Wall Fiberglass Tank Annular Space, Product Distinguishing Bright Eye Sensor (Omntec BX-PDWF-6) .....	457.31	27.57
46 82 83 00-2761 EA 8' Diameter Double Wall Fiberglass Tank Annular Space, Product Distinguishing Bright Eye Sensor (Omntec BX-PDWF-8) .....	457.31	27.57
46 82 83 00-2762 EA 10' Diameter Double Wall Fiberglass Tank Annular Space, Product Distinguishing Bright Eye Sensor (Omntec BX-PDWF-10) .....	457.31	27.57
46 82 83 00-2763 EA 4' Diameter Double Wall Fiberglass Tank Annular Space, Nondistinguishing Bright Eye Sensor (Omntec BX-LWF-4) .....	328.12	27.57
46 82 83 00-2764 EA 6' Diameter Double Wall Fiberglass Tank Annular Space, Nondistinguishing Bright Eye Sensor (Omntec BX-LWF-6) .....	328.12	27.57
46 82 83 00-2765 EA 8' Diameter Double Wall Fiberglass Tank Annular Space, Nondistinguishing Bright Eye Sensor (Omntec BX-LWF-8) .....	328.12	27.57
46 82 83 00-2766 EA 10' Diameter Double Wall Fiberglass Tank Annular Space, Nondistinguishing Bright Eye Sensor (Omntec BX-LWF-10) .....	328.12	27.57
46 82 83 00-2767 EA Double Wall Steel Tank Annular Space, Product Distinguishing Bright Eye Sensor (Omntec BX-PDWS) .....	398.89	27.57
46 82 83 00-2768 EA Double Wall Steel Tank Annular Space, Nondistinguishing Bright Eye Sensor (Omntec BX-LWS) .....	353.95	27.57
46 82 83 00-2769 EA Brine Filled Doublewall Fiberglass Tank, Nondistinguishing Bright Eye Sensor (Omntec BX-RES) .....	457.31	27.57
46 82 83 00-2770 EA Nondistinguishing Bright Eye Sensor (Omntec BX-LS) .....	321.38	27.57
46 82 83 00-2771 EA Product Distinguishing Bright Eye Sensor (Omntec BX-PDS) .....	379.79	27.57
46 82 83 00-2772 EA Temperature Sensor (Omntec BX-TC1) .....	379.79	27.57
46 82 83 00-2773 EA Monitoring Well, Product Distinguishing Bright Eye Sensor (Omntec BX-PDWL) .....	1,085.29	27.57
46 82 83 00-2774 EA Single Float High Level Oil/Water Interface Bright Eye Sensor (Omntec BX-OWI-1) .....	450.57	27.57
46 82 83 00-2775 EA Dual Float High And Caution Level Oil/Water Interface Bright Eye Sensor (Omntec BX-OWI-2) .....	587.62	27.57
46 82 83 00-2776 EA Two Channel External RS-232 To 4-20MA Converter With (4) SPST 1 Amp Relay Outputs Housed In Steel Enclosure For Proteus Series Controllers (Omntec X232-420-2) .....	934.44	45.95
46 82 83 00-2777 EA Proteus K Systems RS-485 Board (Omntec DB-485) .....	271.55	18.38
46 82 83 00-2778 EA Single Tank, Audio Visual High Level Remote Annunciator With Acknowledgement Switch In NEMA 4X Enclosure (Omntec RAS-1) .....	322.50	27.57
46 82 83 00-2779 EA Two Tank, Audio Visual High Level Remote Annunciator With Acknowledgement Switch In NEMA 4X Enclosure (Omntec RAS-2) .....	355.08	27.57
46 82 83 00-2780 EA Three Tank, Audio Visual High Level Remote Annunciator With Acknowledgement Switch In NEMA 4X Enclosure (Omntec RAS-3) .....	388.78	27.57
46 82 83 00-2781 EA Four Tank, Audio Visual High Level Remote Annunciator With Acknowledgement Switch In NEMA 4X Enclosure (Omntec RAS-4) .....	449.44	27.57
46 82 83 00-2782 EA Single Tank, Audio Visual High Level Remote Annunciator (110 DB) With Acknowledgement Switch In NEMA 4X Enclosure (Omntec RAS-1-NYS) .....	443.83	27.57
46 82 83 00-2783 EA Single Tank LED Remote Display For Level Indication Housed In NEMA 4X Enclosure (Omntec RD625-1) .....	1,286.38	27.57
46 82 83 00-2784 EA Two Tank LED Remote Display For Level Indication Housed In NEMA 4X Enclosure (Omntec RD625-2) .....	2,321.03	27.57
46 82 83 00-2785 EA Three Tank LED Remote Display For Level Indication Housed In NEMA 4X Enclosure (Omntec RD625-3) .....	3,745.50	27.57
46 82 83 00-2786 EA Four Tank LED Remote Display For Level Indication Housed In NEMA 4X Enclosure (Omntec RD625-4) .....	4,974.50	27.57
46 82 83 00-2787 EA 7" Color Touch Screen Display, Universal Remote Automatic Tank Gauge Monitor, Proteus Mini-Me (Omntec RD7CTS) .....	1,172.91	27.57
46 82 83 00-2788 EA Universal Translator (Omntec BX-UT) .....	232.23	18.38
46 82 83 00-2789 EA 2" Stainless Steel Float For MTG Probe (Omntec SSF-2) .....	322.50	27.57

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2790	EA		Single Channel Liquid Sensing Audio Visual Controller In NEMA 4X Enclosure (Omntec LU1).....	745.71	45.95
46 82 83 00-2791	EA		Two Channel Liquid Sensing Audio Visual Controller In NEMA 4X Enclosure (Omntec LU2).....	885.01	45.95
46 82 83 00-2792	EA		Three Channel Liquid Sensing Audio Visual Controller In NEMA 4X Enclosure (Omntec LU3).....	1,224.28	45.95
46 82 83 00-2793	EA		Four Channel Liquid Sensing Audio Visual Controller In NEMA 4X Enclosure (Omntec LU4).....	1,357.96	45.95
46 82 83 00-2794	EA		Six Channel Liquid Sensing Audio Visual Controller In NEMA 4X Enclosure (Omntec LU6).....	1,589.38	45.95
46 82 83 00-2795	EA		Nine Channel Liquid Sensing Audio Visual Controller In NEMA 4X Enclosure (Omntec LU9).....	1,852.57	27.57
46 82 83 00-2796	EA		Double Wall Steel Tank, Sump, Containment Area, Nondistinguishing Leak Sensor (Omntec LS-ASC).....	302.28	27.57
46 82 83 00-2797	EA		Double Wall Fiberglass Tank, Nondistinguishing Interstitial Sensor (Omntec LWF).....	322.50	27.57
46 82 83 00-2798	EA		Doublewall Steel Tank, Nondistinguishing Interstitial Sensor (Omntec LWS).....	361.82	27.57
46 82 83 00-2799	EA		Three Channel Liquid Product Distinguishing Audio Visual Controller In NEMA 4X Enclosure (Omntec L1PD2).....	2,089.30	45.95
46 82 83 00-2800	EA		Six Channel Liquid Product Distinguishing Audio Visual Controller In NEMA 4X Enclosure (Omntec L2PD4).....	2,290.38	45.95
46 82 83 00-2801	EA		Nine Channel Liquid Product Distinguishing Audio Visual Controller In NEMA 4X Enclosure (Omntec L3PD6).....	2,521.80	45.95
46 82 83 00-2802	EA		Double Wall Fiberglass Tank, Product Distinguishing Interstitial Space Sensor (Omntec PDWF).....	407.88	27.57
46 82 83 00-2803	EA		Double Wall Steel Tank, Product Distinguishing Interstitial Space Sensor (Omntec PDWS).....	407.88	27.57
46 82 83 00-2804	EA		Sump Product Distinguishing Sensor (Omntec PDS).....	467.42	27.57
46 82 83 00-2805	EA		Brine Filled Doublewall Fiberglass Tank, Two Point Reservoir Sensor (Omntec I-R-1).....	487.64	27.57
46 82 83 00-2806	EA		12" Length, Single Point Liquid Level Detection Sensor (Omntec L-1-S).....	289.92	27.57
46 82 83 00-2807	EA		20" Length, Single Point Liquid Level Detection Sensor (Omntec L-1-L).....	355.08	27.57
46 82 83 00-2808	EA		Up To 72" Length, Single Point Liquid Level Detection Sensor (Omntec L-1-D).....	521.34	27.57
46 82 83 00-2809	EA		Up To 36" Length, Two Point Liquid Level Detection Sensor (Omntec L-2-S).....	556.17	27.57
46 82 83 00-2810	EA		>36" To 72" Length, High/Low Or High/Caution Level, Two Point Liquid Level Sensor (Omntec L-2-L).....	588.75	27.57
46 82 83 00-2811	EA		Single Channel High Oil Level Audio Visual Oil Water Separator Controller In NEMA 4X Enclosure (Omntec LU1-OW).....	752.45	45.95
46 82 83 00-2812	EA		Two Channel High Oil Level Audio Visual Oil Water Separator Controller In NEMA 4X Enclosure (Omntec LU2-OW).....	890.63	45.95
46 82 83 00-2813	EA		Two Channel High Oil Level (Pump Out Capability) Audio Visual Oil Water Separator Controller In NEMA 4X Enclosure (Omntec LU2-OWP).....	1,024.31	45.95
46 82 83 00-2814	EA		Two Channel Combination Leak Sensing/High Oil Level Audio Visual Oil Water Separator Controller In NEMA 4X Enclosure (Omntec LU2-OWIR).....	1,257.98	45.95
46 82 83 00-2815	EA		Three Channel Combination Leak Sensing/High Oil Level Audio Visual Oil Water Separator Controller In NEMA 4X Enclosure (Omntec LU3-OWIR).....	1,390.54	45.95
46 82 83 00-2816	EA		Three Channel Combination Leak Sensing/High Oil Level (Pump Out Capability) Audio Visual Oil Water Separator Controller In NEMA 4X Enclosure (Omntec LU3-OWPR).....	1,424.24	45.95
46 82 83 00-2817	EA		Single Point High Level Sensor In Oil Water Separator (Omntec OWI-1).....	449.44	27.57
46 82 83 00-2818	EA		Two Point High And Caution Level Sensor In Oil Water Separator (Omntec OWI-2).....	556.17	27.57
46 82 83 00-2819	EA		Two Point High Oil And Low Liquid Sensor For Pump Or Valve Control In Oil Water Separator (Omntec OWP-2).....	556.17	27.57
46 82 83 00-2820	EA		Single Tank, Audio Visual High Level Remote Annunciator In NEMA 4X Enclosure (Omntec RA-1).....	242.74	27.57
46 82 83 00-2821	EA		Two Tank, Audio Visual High Level Remote Annunciator In NEMA 4X Enclosure (Omntec RA-2).....	261.84	27.57
46 82 83 00-2822	EA		Three Tank, Audio Visual High Level Remote Annunciator In NEMA 4X Enclosure (Omntec RA-3).....	282.06	27.57
46 82 83 00-2823	EA		Four Tank, Audio Visual High Level Remote Annunciator In NEMA 4X Enclosure (Omntec RA-4).....	302.28	27.57
46 82 83 00-2824	EA		Single Tank, Audio Visual High Level Remote Annunciator (110 DB) In NEMA 4X Enclosure (Omntec RA-1-NYS).....	422.48	27.57
46 82 83 00-2825	EA		18" x 24" Yellow Aluminum Fill Alarm Sign With Black 2" Print That Reads "CAUTION - WHEN ALARM BELL SOUNDS OIL TANK FILLED TO CAPACITY DO NOT OVERFILL" (Omntec OFAS-AL).....	329.97	18.38
46 82 83 00-2826			<b>Liquid Level Equipment And Instrumentation (Vega Americas)</b> (46 82 83 00-2641)		
46 82 83 00-2827	EA		Polypropylene Horn Antenna, Radar Sensor, Continuous Liquid Level Measurement (Vega PS61.UDB**HKNAX).....	4,396.26	73.51
			Note: Two-wire 4 to 20mA/HART. FM (XP) CL I, DIV1, GP ABCD, (DIP) CL II, III, DIV1, GP EFG approval. -40 to 176 Degree F.		
			For 3" 150 LB, ASME/PP-GF30 Adapter Flange, Add	230.24	
			For 4" 150 LB, ASME/PP-GF30 Adapter Flange, Add	293.27	
			For 6" 150 LB, ASME/PP-GF30 Adapter Flange, Add	348.71	
			For 8" 150 LB, ASME/PP-GF30 Adapter Flange, Add	720.18	
46 82 83 00-2828	EA		316L Stainless Steel Horn Antenna, Radar Sensor, Continuous Liquid Level Measurement (Vega PS62.UDC**2HANAX).....	5,851.33	73.51
			Note: Two-wire 4 to 20mA/HART. FM (XP) CL I, DIV1, GP ABCD, (DIP) CL II, III, DIV1, GP EFG approval. FFKM (Kalrez 6375) and PTFE. -20 to 130 Degree C. Aluminum single chamber/IP66/IP68 (0.2bar) housing.		
			For 2" PN40, ASME B1.20.1/316L Threaded Fitting, Add	166.55	
			For 2" 150 LB Raised Face, ASME B16.5/316L Flange Fitting, Add	388.51	
			For 2-1/2" 150 LB Raised Face, ASME B16.5/316L Flange Fitting, Add	584.57	
			For 3" PN40, ASME B1.20.1/316L Threaded Fitting, Add	592.95	
			For 4" PN40, ASME B1.20.1/316L Threaded Fitting, Add	645.44	
			For 6" PN40, ASME B1.20.1/316L Threaded Fitting, Add	913.87	
			For 8" PN40, ASME B1.20.1/316L Threaded Fitting, Add	1,576.35	
			For 10" PN40, ASME B1.20.1/316L Threaded Fitting, Add	2,006.26	
46 82 83 00-2829	EA		Radar Sensor, Continuous Liquid Level Measurement (Vega PS64.FE***CHXANAX).....	4,530.17	73.51
			Note: Two-wire 4 to 20mA/HART. FM (XP) CL I, DIV1, GP ABCD, (DIP) CL II, III, DIV1, GP EFG approval. FFKM (Kalrez 6375) and PTFE. -20 to 130 Degree C. Aluminum single chamber/IP66/IP68 (0.2bar) housing.		
			For Plastic Horn Antenna, Add	209.83	
			For 4" Flange Adapter Fitting, Add	300.65	
			For Flanged With Encapsulated Antenna, Add	1,554.19	
			For 1-1/2" PN40, ASME B1.20.1/316L Threaded Fitting, Add	196.50	
			For 2" 150 LB Raised Face, ASME B16.5/316L Flange Fitting, Add	235.62	
			For 3" 150 LB Raised Face, ASME B16.5/316L Flange Fitting, Add	286.12	
			For 3-1/2" 150 LB Raised Face, ASME B16.5/316L Flange Fitting, Add	509.54	
			For 4" 150 LB Raised Face, ASME B16.5/316L Flange Fitting, Add	535.78	
			For 6" 150 LB Raised Face, ASME B16.5/316L Flange Fitting, Add	809.48	
			For 8" 150 LB Raised Face, ASME B16.5/316L Flange Fitting, Add	3,676.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2830 EA Polypropylene Horn Antenna, Radar Sensor, Continuous Liquid Level Measurement (Vega PS67.UXB**HKNA).....	4,401.53	73.51
Note: Two-wire 4 to 20mA/HART. FM (XP) CL I, DIV1, GP ABCD, (DIP) CL II, III, DIV1, GP EFG approval. -40 to 176 Degree F.		
For 3" 150 LB, ASME/PP-GF30 Adapter Flange, Add	230.24	
For 4" 150 LB, ASME/PP-GF30 Adapter Flange, Add	293.27	
For 6" 150 LB, ASME/PP-GF30 Adapter Flange, Add	348.71	
For 8" 150 LB, ASME/PP-GF30 Adapter Flange, Add	720.18	
For 170 mm Mounting Strap, Add	76.17	
For 300 mm Mounting Strap, Add	134.16	
For 3" Flange, Add	258.71	
46 82 83 00-2831 EA Polypropylene Horn Antenna, Continuous Liquid Level Measurement (Vega PSQL61.KXB**HK*X).....	2,413.99	73.51
Note: Two-wire 4 to 20mA/HART. CSA CL 1 DIV 2 GP ABCD CLII DIV 2 approval. -40 to 176 Degree F. Plastic single chamber/IP68. Includes 19' cable.		
For 170 mm Mounting Strap, Add	76.17	
For 39' Cable Length, Add	45.34	
For 59' Cable Length, Add	93.84	
46 82 83 00-2832 EA Wall Bracket With Rotary T Adapter (Vega MONTZUB WT ****).....	746.52	
For 205-305 mm Length Range With T Adapter, Add	148.93	
For 340-440 mm Length Range With T Adapter, Add	193.21	
For 150 mm Slide Holder Length, Add	94.10	
For Thread G 1.5 Mounting, Add	94.10	
46 82 83 00-2833 EA Plastic Housing (Vega DIS82.IXHKNACX).....	996.88	73.51
Note: Two-wire 4 to 20mA/HART. IP66/IP67 NEMA 4X. For carrier rail and wall mounting with plastic housing.		
46 82 83 00-2834 EA External Indicating And Adjustment Unit For Plics® Sensors (Vega DIS61.UFKNC).....	916.74	73.51
Note: FM(IS) CL I, II, III, DIV1, GP ABCDEF approval. Plastic/IP66/IP68 (0.2bar) housing.		
46 82 83 00-2835 EA Signal Conditioning And Display Instrument (Vega MET381.XX).....	1,079.12	73.51
Note: Two-Wire 4 to 20mA/HART. 110 VAC Input Power. For Wall Mounting w 3.78" x h 3.78" x d 3.55"		
Nema 4x Enclosure (Vega ISO-GEH.BXX)	184.52	
46 82 83 00-2836 EA Signal Conditioning And Display Instrument (Vega MET391.XX).....	1,717.03	73.51
Note: Two-Wire 4 to 20mA/HART. 110 VAC Input Power. For Wall Mounting w 3.78" x h 3.78" x d 3.55"		
Nema 4x Enclosure (Vega ISO-GEH.AXX)	376.42	
46 82 83 00-2837 EA Signal Conditioning And Display Instrument (Vega MET625.UFX).....	2,277.97	73.51
Note: Two-Wire 4 to 20mA/HART with transmitter power supply. 253 VAC. 20 mA current output. 3 x relay outputs, 1 x fail safe relay, 1 x Ethernet(optional), 1 x RS232(optional). Mounting Carrier Rail 35 x 7.5 acc. to EN 50022.		
46 82 83 00-2838 DAY Vega Start Up And Training.....	1,054.40	
<b>46 82 83 00-2839 Liquid Level Equipment And Instrumentation (E+H) <small>(46 82 83 00-2641)</small></b>		
46 82 83 00-2840 EA Non-Hazardous Area, Ultrasonic Level Measurement (E+H FMU40-ANB2A4).....	1,291.43	58.16
Note: Process Connection: 1-1/2" NPT, PVDF; Power Supply; Output: 2-wire; 4-20mA HART; Operation: 4-line display VU331, envelope curve display on site; Housing: F12 aluminum, coated, IP68, NEMA 6P; Cable Entry: 1/2" NPT.		
46 82 83 00-2841 EA Level Input: 1x Sensor FDU9x/8x, Switch Output: 3x Relay, SPDT; Output: 1x 0/4-20mA HART, Non-Hazardous Area, Ultrasonic Level Measurement (E+H FMU90-R11CA131AA3A).....	1,589.55	58.16
Note: Application: Level + pump control, alternating; Housing: field mounting PC, IP66 NEMA 4x; Operation: illuminated display + keypad; Power Supply: 90-253VAC; Additional Input: without; Datalog Function: basic version.		
46 82 83 00-2842 EA Level Input: 1x Sensor FDU9x/8x, Switch Output: 6x Relay, SPDT; Output: 1x 0/4-20mA HART, Non-Hazardous Area, Ultrasonic Level Measurement (E+H FMU90-R11CA161AA3A).....	1,643.68	58.16
Note: Application: Level + pump control, alternating; Housing: field mounting PC, IP66 NEMA 4x; Operation: illuminated display + keypad; Power Supply: 90-253VAC; Additional Input: without; Datalog Function: basic version.		
46 82 83 00-2843 EA Level Input: 1x Sensor FDU9x/8x, Switch Output: 1x Relay, SPDT; Output: 1x 0/4-20mA HART, Non-Hazardous Area, Ultrasonic Level Measurement (E+H FMU90-R11CA111AA3A).....	1,429.39	58.16
Note: Application: Level + pump control, alternating; Housing: field mounting PC, IP66 NEMA 4x; Operation: illuminated display + keypad; Power Supply: 90-253VAC; Additional Input: without; Datalog Function: basic version.		
46 82 83 00-2844 EA Level Input: 2x Sensor FDU9x/8x, Switch Output: 3x Relay, SPDT; Output: 2x 0/4-20mA HART, Non-Hazardous Area, Ultrasonic Level Measurement (E+H FMU90-R11CA232AA3A).....	1,991.07	58.16
Note: Application: Level + pump control, alternating; Housing: field mounting PC, IP66 NEMA 4x; Operation: illuminated display + keypad; Power Supply: 90-253VAC; Additional Input: without; Datalog Function: basic version.		
46 82 83 00-2845 EA Level Input: 1x Sensor FDU9x/8x, Switch Output: 1x Relay, SPDT; Output: 1x 0/4-20mA HART, Non-Hazardous Area, Ultrasonic Level Measurement (E+H FMU90-R21CA111AA3A).....	1,630.15	58.16
Note: Application: Flow + totalizer + level + sample control + preprogrammed OCM flow curves; Housing: field mounting PC, IP66 NEMA 4x; Operation: illuminated display + keypad; Power Supply: 90-253VAC; Additional Input: without; Datalog Function: basic version.		
46 82 83 00-2846 EA Non-Hazardous Area, Ultrasonic Sensor (E+H FDU90-2D09/0).....	730.96	58.16
Note: Process Connection: 1" NPT PVDF rear side, 1-1/2" NPT front side; Cable Length: 100'; Heater: without.		
46 82 83 00-2847 EA 1000mm, Zinc Coated Steel, FDU9x Ultrasonic Sensor Support (E+H ZPFDU-A).....	342.68	29.08
46 82 83 00-2848 EA Zinc Coated Steel, Sensor Support Wall Bracket (E+H ZPF-A).....	208.04	29.08
46 82 83 00-2849 EA Without Cable, Non-Hazardous Area, Temperature Probe (E+H FMT131-R7).....	898.74	58.16
Note: IP66.		
46 82 83 00-2850 EA 16' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU91-RNAAA).....	611.50	58.16
Note: Process Connection: 1" NPT, PVDF; Heater: without.		
46 82 83 00-2851 EA 1" NPT, PVDF Process Connection, 16' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU92-RNAAA).....	863.91	58.16
46 82 83 00-2852 EA 1" NPT, UP Process Connection, 16' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU95-R1NAA).....	1,513.89	58.16
Note: Temperature; Blocking Distance; Material: -40 to 176 degree F; 2.3'; Membrane: 316L, PE coated.		
46 82 83 00-2853 EA 1" NPT Rear Side, 1-1/2" NPT Front Side PVDF Process Connection, 16' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU90-10A1/0).....	527.90	58.16
Note: Heater: without.		



**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2854 EA 1" NPT Rear Side, 1-1/2" NPT Front Side PVDF Process Connection, 32' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU90-12N6/0)..... Note: Heater: without.	568.50	58.16
46 82 83 00-2855 EA 1" NPT Rear Side, 1-1/2" NPT Front Side PVDF Process Connection, 65' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU90-13A9/0)..... Note: Heater: without.	649.71	58.16
46 82 83 00-2856 EA 1" NPT Rear Side, 1-1/2" NPT Front Side PVDF Process Connection, 98' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU90-11R8/0)..... Note: Heater: without.	742.20	58.16
46 82 83 00-2857 EA Flood Protection Tube, 1" NPT Rear Side, 1-1/2" NPT Front Side PVDF Process Connection, 16' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU90-13V3/0)..... Note: Heater: without.	579.80	58.16
46 82 83 00-2858 EA 2" Screw In Flange (E+H FAX50-1265/0)..... Note: Material: Universal, PVDF, maximum 58 psia, suitable for 2" NPS Class 150, PN16/10K 50; Sensor Connection: 1-1/2" NPT.	284.58	36.35
46 82 83 00-2859 EA 3" Screw In Flange (E+H FAX50-10R4/0)..... Note: Material: Universal, PVDF, maximum 58 psia, suitable for 3" NPS Class150, PN16/10K 80; Sensor Connection: 1-1/2" NPT.	341.95	46.41
46 82 83 00-2860 EA 4" Screw In Flange (E+H FAX50-11F2/0)..... Note: Material: Universal, PVDF, maximum 58 psia, suitable for 4" NPS Class 150, PN16/10K 100; Sensor Connection: 1-1/2" NPT	444.06	77.90
46 82 83 00-2861 EA 6" Screw In Flange (E+H FAX50-13R1/0)..... Note: Material: Universal, PVDF, maximum 58 psia, suitable for 6" NPS Class 150, PN16/10K 150; Sensor Connection: 1-1/2" NPT	656.61	98.52
46 82 83 00-2862 EA 1" NPT, PVDF Process Connection, 16' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU91-RN1AA)..... Note: Heater: without.	579.02	58.16
46 82 83 00-2863 EA 1" NPT, PVDF Process Connection, 32' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU91-RN2AA)..... Note: Heater: without.	619.62	58.16
46 82 83 00-2864 EA 1" NPT, PVDF Process Connection, 65' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU91-RN4AA)..... Note: Heater: without.	700.81	58.16
46 82 83 00-2865 EA 1" NPT, PVDF Process Connection, 98' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU91-RN6AA)..... Note: Heater: without.	793.31	58.16
46 82 83 00-2866 EA Approval: ATEX II 1/2 D Ex ta/tb IIIC, ATEX II 2 G Ex ma IIC T6, 1" NPT, PVDF Process Connection, 16' Cable Length, Ultrasonic Sensor (E+H FDU91-EN1AA)..... Note: Heater: without.	802.34	58.16
46 82 83 00-2867 EA 1" NPT, PVDF Process Connection, 16' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU92-RN1A).....	831.43	58.16
46 82 83 00-2868 EA 1" NPT, PVDF Process Connection, 32' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU92-RN2A).....	872.03	58.16
46 82 83 00-2869 EA 1" NPT, PVDF Process Connection, 65' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU92-RN4A).....	953.23	58.16
46 82 83 00-2870 EA 1" NPT, PVDF Process Connection, 98' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU92-RN6A).....	1,045.73	58.16
46 82 83 00-2871 EA Approval: ATEX II 1/2 D Ex ta/tb IIIC, ATEX II 2 G Ex ma IIC T6, 16' Cable Length, , Ultrasonic Sensor (E+H FDU92-EN1A).....	1,054.76	58.16
46 82 83 00-2872 EA 1" NPT, PVDF Process Connection, 16' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU93-RN1A).....	1,216.17	58.16
46 82 83 00-2873 EA 1" NPT, PVDF Process Connection, 32' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU93-RN2A).....	1,256.77	58.16
46 82 83 00-2874 EA 1" NPT, PVDF Process Connection, 65' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU93-RN4A).....	1,337.97	58.16
46 82 83 00-2875 EA 1" NPT, PVDF Process Connection, 98' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU93-RN6A).....	1,430.46	58.16
46 82 83 00-2876 EA Approval: ATEX II 1/2 D Ex ta/tb IIIC, 1" NPT, PVDF Process Connection, 16' Cable Length, Ultrasonic Sensor (E+H FDU93-EN1A).....	1,439.49	58.16
46 82 83 00-2877 EA 1" NPT, UP Process Connection, 16' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU95-R1N1A)..... Note: Temperature; Blocking Distance; Material: -40 to 176 degree F; 2.3'; Membrane: 316L, PE coated.	1,481.40	58.16
46 82 83 00-2878 EA 1" NPT, UP Process Connection, 32' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU95-R1N2A)..... Note: Temperature; Blocking Distance; Material: -40 to 176 degree F; 2.3'; Membrane: 316L, PE coated.	1,522.02	58.16
46 82 83 00-2879 EA 1" NPT, UP Process Connection, 65' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU95-R1N4A)..... Note: Temperature; Blocking Distance; Material: -40 to 176 degree F; 2.3'; Membrane: 316L, PE coated.	1,603.21	58.16
46 82 83 00-2880 EA 1" NPT, UP Process Connection, 98' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU95-R1N6A)..... Note: Temperature; Blocking Distance; Material: -40 to 176 degree F; 2.3'; Membrane: 316L, PE coated.	1,695.70	58.16
46 82 83 00-2881 EA Level Input: 1x Sensor FDU9x/8x, Switch Output: 1x Relay, SPDT; Output: 1x 0/4-20mA HART, Non-Hazardous Area, Ultrasonic Transmitter (E+H FMU90-R11CA111AA1A)..... Note: Application: level + pump control, alternating; Housing: field mounting PC, IP66, NEMA 4x; Operation: illuminated display + keypad; Power Supply: 90-253VAC; Additional Input: without; Datalog Function: basic version.	1,429.39	58.16
46 82 83 00-2882 EA Level Input: 1x Sensor FDU9x/8x, Switch Output: 1x Relay, SPDT; Output: PROFIBUS DP, Non-Hazardous Area, Ultrasonic Transmitter (E+H FMU90-R11CA113AA1A)..... Note: Application: level + pump control, alternating; Housing: field mounting PC, IP66 NEMA 4x; Operation: illuminated display + keypad; Power Supply: 90-253VAC; Additional Input: without; Datalog Function: basic version.	1,643.68	58.16
46 82 83 00-2883 EA Level Input: 2x Sensor FDU9x/8x, Switch Output: 3x Relay, SPDT; Output: 2x 0/4-20mA HART, Non-Hazardous Area, Ultrasonic Transmitter (E+H FMU90-R11CA232AA1A)..... Note: Application: level + pump control, alternating; Housing: field mounting PC, IP66 NEMA 4x; Operation: illuminated display + keypad; Power Supply: 90-253VAC; Additional Input: without; Datalog Function: basic version.	1,991.08	58.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2884 EA Level Input: 1x Sensor FDU9x/8x, Switch Output: 3x Relay, SPDT Output: 1x 0/4-20mA HART, Non-Hazardous Area, Ultrasonic Transmitter (E+H FMU90-R21CA131AA1A).....	1,790.30	58.16
Note: Application: flow + totalizer + level + sample control + preprogrammed OCM flow curves; Housing: field mounting PC, IP66 NEMA 4x; Operation: illuminated display + keypad; Power Supply: 90-253VAC; Additional Input: without; Datalog Function: basic version.		
46 82 83 00-2885 DAY E+H, Level Instrumentation, Start Up And Training.....	1,581.60	
<b>46 82 83 00-2886 Level Liquid Level Equipment And Instrumentation (Wastewater) (46 82 83 00-2841)</b>		
46 82 83 00-2887 EA 3' FOGRod With 50' of Cable, Cleaning Bracket And Level Indicator Transmitter (Wastewater Level Level-3-50).....	1,275.92	58.16
46 82 83 00-2888 EA 3' FOGRod With 100' of Cable, Cleaning Bracket And Level Indicator Transmitter (Wastewater Level Level-3-100).....	1,369.47	58.16
46 82 83 00-2889 EA 5' FOGRod With 50' Cable, Cleaning Bracket And Level Indicator Transmitter (Wastewater Level Level-5-50).....	1,345.42	58.16
46 82 83 00-2890 EA 5' FOGRod With 100' Cable, Cleaning Bracket And Level Indicator Transmitter (Wastewater Level Level-5-100).....	1,439.41	58.16
46 82 83 00-2891 EA 7' FOGRod With 50' Cable, Cleaning Bracket And Level Indicator Transmitter (Wastewater Level Level-7.5-50).....	1,345.42	58.16
46 82 83 00-2892 EA 7' FOGRod With 100' Cable, Cleaning Bracket And Level Indicator Transmitter (Wastewater Level Level-7.5-100).....	1,439.63	58.16
46 82 83 00-2893 EA Mains To 12V DC Power Supply (Wastewater Level PSU-12-NB).....	116.63	23.27
Note: Excludes battery backup.		
46 82 83 00-2894 EA Mains To 24V DC Power Supply (Wastewater Level PSU-24-NB).....	116.63	23.27
Note: Excludes battery backup.		
46 82 83 00-2895 EA Replacement Level Indicator Transmitter (Wastewater Level LIT-100).....	725.02	
46 82 83 00-2896 EA 5' Replacement FOGRod Level Probe With 50' Cable (Wastewater Level FOG-5-50).....	771.79	
46 82 83 00-2897 EA 7.5' Replacement FOGRod Level Probe With 50' Cable (Wastewater Level FOG-7.5-50).....	771.79	
46 82 83 00-2898 EA 5' Replacement FOGRod Level Probe With 100' Cable (Wastewater Level FOG-5-100).....	865.35	
46 82 83 00-2899 EA 7.5' Replacement FOGRod Level Probe With 100' Cable (Wastewater Level FOG-7.5-100).....	865.35	
46 82 83 00-2900 EA Extended Warranty On Level Indicator Transmitter From 2 Years To 5 Years (Wastewater Level LIT-EW5).....	171.59	
46 82 83 00-2901 DAY FOGRod Start Up And Training.....	1,038.26	
<b>46 82 83 00-2902 Analytical Equipment And Instrumentation (46 82 83 00-0001)</b>		
<b>46 82 83 00-2903 Analytical Equipment And Instrumentation (ABB) (46 82 83 00-2902)</b>		
46 82 83 00-2904 EA Dissolved Oxygen Transmitter, Floating Ball Design. Model: ABB Instrumentation, Floating Ball Design Model #AX480/10001, One Loop Control.....	1,205.82	24.44
46 82 83 00-2905 EA Dissolved Oxygen Floating Ball Kit. Model: ABB Instrumentation, Model #9408-760, One Loop Control.....	1,327.56	24.44
46 82 83 00-2906 EA Dissolved Oxygen Indicator. Model: ABB Instrumentation, Commander 150 Model #C150/0000STD, One Loop Control.....	458.23	16.30
46 82 83 00-2907 EA Dissolved Oxygen Sensor Capsule Replacement Kit. Model: ABB Instrumentation Model #SP9-408XXX, One Loop Control.....	244.96	16.30
46 82 83 00-2908 EA Conductivity Transmitter. Model: ABB Instrumentation, Model #TB84EC.1000200.....	1,717.67	32.59
46 82 83 00-2909 EA Conductivity Sensor, Epoxy Twist Lock Connection, In-line Mount. Model: ABB Instrumentation, Model #TB454.O.E.2.1.2.....	485.41	16.30
46 82 83 00-2910 EA pH Transmitter. Model: ABB Instrumentation, Model #TB84PH.1000200.....	1,661.68	24.44
46 82 83 00-2911 EA pH Sensor, Epoxy Twist Lock Connection, In-line Mount. Model: ABB Instrumentation, Model #TB551-21103F05.....	624.36	16.30
46 82 83 00-2912 EA ORP Transmitter. Model: ABB Instrumentation, Model TB84PH.1000200.....	1,661.68	24.44
46 82 83 00-2913 EA ORP Sensor, Epoxy Twist Lock Connection, In-line Mount. Model: ABB Instrumentation, Model #TB551-21103F05.....	624.36	16.30
<b>46 82 83 00-2914 Analytical Equipment And Instrumentation (Blue I Technologies) (46 82 83 00-2902)</b>		
46 82 83 00-2915 EA 4-20mA Output, 120 VAC/60Hz/1 Phase, Field Mount Total Residual Chlorine Analyzer (Blue I Technologies HG702).....	3,853.45	55.13
46 82 83 00-2916 EA Amperometric, Submersible, Total Residual Chlorine Probe With 30' Cable (Blue I Technologies TRC101).....	2,417.78	36.76
46 82 83 00-2917 EA Handrail Mounting Probe Pole Bracket (Blue I Technologies PRB123).....	1,036.76	18.38
<b>46 82 83 00-2918 Analytical Equipment And Instrumentation (Entech Design) (46 82 83 00-2902)</b>		
46 82 83 00-2919 EA One 4-20mA Output, Standard Interface, EchoSmart Sensor (Entech Design ESS-16001).....	2,159.46	55.13
46 82 83 00-2920 EA One 4-20mA Output, Wiper Interface, EchoSmart Sensor (Entech Design ESS-26001).....	2,504.97	63.96
46 82 83 00-2921 EA Two 4-20mA Outputs, Interface And Turbidity Wiper Service, EchoSmart Sensor (Entech Design ESS-36001).....	2,906.60	73.51
46 82 83 00-2922 EA One 4-20mA Isolated Output, 115/230 VAC, Standard Level EchoSmart Controller (Entech Design ESC-1100110).....	2,596.82	66.16
46 82 83 00-2923 EA 115/230 VAC, Wired, Combined Level And Turbidity, EchoSmart Controller (Entech Design ESC-210020).....	2,684.25	66.16
46 82 83 00-2924 EA 1 To 4 Sensors Network, 30 days, Factory Remote Startup And Service (Entech Design ESA1-0).....	996.82	25.73
46 82 83 00-2925 EA 5 To 16 Sensors, 30 Days, Factory Remote Startup And Service (Entech Design ESA-20).....	996.82	25.73
46 82 83 00-2926 EA Round Handrail Controller Mount With Weathershield (Entech Design 9300-16RH).....	628.72	16.54
46 82 83 00-2927 EA Square Handrail Controller Mount With Weathershield (Entech Design 9300-16SH).....	628.72	16.54
46 82 83 00-2928 EA Controller Floor Mount With Weathershield (Entech Design 9300-16F).....	628.72	16.54
46 82 83 00-2929 EA Sensor Multi-Flex Assembly (Entech Design 9300-13-13).....	346.25	9.19
46 82 83 00-2930 EA Stainless Steel, Sensor Fixed Bracket Mounting Kit (Entech Design 9300-14-01).....	346.25	9.19
46 82 83 00-2931 EA Aluminum, Sensor Fixed Bracket Mounting Kit (Entech Design 9300-14-02).....	229.61	5.51
46 82 83 00-2932 EA Stainless Steel, Sensor Side Pivot Knuckle (Entech Design 9300-15-01).....	603.18	14.70
46 82 83 00-2933 EA Controller Mounting Bracket (Entech Design ESC9510).....	51.75	1.29
46 82 83 00-2934 EA Sensor Wiper Blade Assembly Replacement (Entech Design 9306-54-19).....	31.35	0.91
46 82 83 00-2935 LF 400' Sensor Cable (Entech Design 9500-24).....	3.45	0.22
46 82 83 00-2936 LF 800' Sensor Cable (Entech Design 9500-24b).....	4.65	0.22
46 82 83 00-2937 HR Portal To Portal, On-Site Training And Field Service.....	169.40	
46 82 83 00-2938 EA EchoSmart Print Operation And Maintenance Manual.....	29.51	
46 82 83 00-2939 EA One Set Of Standard Equipment Submittal Documents.....	29.51	
<b>46 82 83 00-2940 Analytical Equipment And Instrumentation (Foxboro) (46 82 83 00-2902)</b>		
46 82 83 00-2941 EA Dissolved Oxygen Sensor, 4-20mA Output. Model: Foxboro Company #871DO-C-7.....	995.49	16.30

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2942	EA		Dissolved Oxygen Transmitter, 4-20mA Output, Model: Foxboro Company #873DO-AIPFGZ .....	1,221.06	24.44
<b>46 82 83 00-2943</b>			<b>Analytical Equipment And Instrumentation (Great Lakes) <small>(46 82 83 00-2902)</small></b>		
46 82 83 00-2944	EA		pH Analyzer, 0-14pH Range, 4-20mAdc, 2 SPDT And 1 SPST Relays, NEMA 4X, Mounting Hardware Included. Model Great Lakes Industries #P53A2A1N .....	1,412.61	36.76
46 82 83 00-2945	EA		pH Sensor, Encapsulated, 5-Wire, Liquid Polymer Crystal Body, Integral Preamplifier Included, 10' Cable. Model: Great Lakes Industries #6028P010 .....	975.85	16.30
46 82 83 00-2946	EA		ORP Analyzer, 4-20mAdc, 2SPDT And 1 SPST Relays, NEMA 4X, Mounting Hardware Included. Model: Great Lakes Industries #P53A2A1N .....	1,412.61	36.76
46 82 83 00-2947	EA		ORP Sensor, Encapsulated, 5-Wire, Liquid Polymer Crystal Body, Integral Preamplifier Included, 10' Cable. Model: Great Lakes Industries #2028R010 .....	1,060.07	16.30
46 82 83 00-2948	EA		Dissolved Oxygen Analyzer, NEMA 4X, With Mounting Hardware, 0-40ppm, 4-20mAdc, 2 SPDT Relays. Model: Great Lakes Industries #D53A4A3N .....	1,665.27	36.76
46 82 83 00-2949	EA		Dissolved Oxygen Sensor, Submersion, 15' Cable. Model: Great Lakes Industries #5540DOC .....	1,236.94	16.30
46 82 83 00-2950	EA		Residual Chlorine Monitoring System, 0-5ppm, Two 4-20mAdc Relays, NEMA 4X. Model: Great Lakes industries #AC1000P1 AccuChlor .....	5,042.49	36.76
<b>46 82 83 00-2951</b>			<b>Analytical Equipment And Instrumentation (Honeywell Analytics) <small>(46 82 83 00-2902)</small></b>		
46 82 83 00-2952	EA		3 Relay Outputs, 4-20ma Output, Gas Detection Transmitter (Honeywell Analytics XNX-UTAV-RNNNN) .....	975.75	23.52
			Note: Configured For Remote Infrared LEL Detector		
46 82 83 00-2953	EA		0-100%LEL Range, Gas Detection, Infrared Remote Sensor (Honeywell Analytics MPD-UTIV1) .....	1,031.98	36.76
46 82 83 00-2954	EA		Calibration Gas Flow Detector For MPD LEL Sensor (Honeywell Analytics 1226-A0411) .....	95.81	18.38
46 82 83 00-2955	EA		3 Relay Outputs, 4-20ma Output, Gas Detection Transmitter (Honeywell Analytics XNX-UTAV-RNNNN) .....	1,346.25	23.52
			Note: Configured For Remote Electrochemical Detector		
46 82 83 00-2956	EA		0-25% Oxygen, Electrochemical Type, Gas Detection Sensor (Honeywell Analytics XNXXSO1SS) .....	501.60	36.76
46 82 83 00-2957	EA		0-300ppm Carbon Monoxide, Electrochemical Type, Gas Detection Sensor (Honeywell Analytics XNXXDC1SS) .....	552.20	36.76
46 82 83 00-2958	EA		16 Inputs, Modbus Communications, (4) 5-Amp Common Relays, (32) 5-Amp Discrete Relays, 150 Watt Power Supply, UL/CSA Approved, Gas Detection Control and Annunciation Panel With NEMA 4X Enclosure (Honeywell Analytics HA71N4-16) .....	9,217.14	81.60
46 82 83 00-2959	EA		Nitrogen, Calibration Gas Cannister (Honeywell Analytics 2992-0011) .....	261.00	9.56
46 82 83 00-2960	EA		50% LEL, Methane, Calibration Gas Cannister (Honeywell Analytics 998-022-001) .....	244.61	9.56
46 82 83 00-2961	EA		100 ppm, Carbon Monoxide, Calibration Gas Cannister (Honeywell Analytics 998-021-001) .....	244.61	9.56
46 82 83 00-2962	EA		Zero Air, Calibration Gas Cannister (Honeywell Analytics 998-023-001) .....	244.61	9.56
46 82 83 00-2963	EA		Calibration Kit For Toxic Gas Detection Sensor And Transmitters (Honeywell Analytics XNXTOKKIT) .....	414.90	18.38
46 82 83 00-2964	EA		Calibration Kit For Combustible Gas Detection Sensor And Transmitters (Honeywell Analytics XNXCMBKIT) .....	414.90	18.38
46 82 83 00-2965	EA		0-1,000 ppm, Hydrogen, Electrochemical Type, Gas Detection Sensor (Honeywell Analytics XNXXSG1SS) .....	609.15	36.76
46 82 83 00-2966	EA		Portable Gas Detector (Honeywell Analytics MCVL-XWHM-Y-NA) .....	776.24	36.76
<b>46 82 83 00-2967</b>			<b>Analytical Equipment And Instrumentation (MSA) <small>(46 82 83 00-2902)</small></b>		
<b>46 82 83 00-2968</b>			<b>Gas Detection System Controllers <small>(46 82 83 00-2967)</small></b>		
46 82 83 00-2969	EA		8 Channel, NEMA 4X Controller For Analog 4-20mA Detectors (MSA GasGard XL-51) .....	5,911.76	73.51
			Note: Includes 5 channel cards, 10 discrete relays, 2 common relays, Modbus RTU Ethernet output and 100W power supply		
			For Extra Channel Card, Add	494.30	
			For Relay Module With 8 Discrete Relays, Add	389.26	
			For Battery Backup, Add	228.61	
46 82 83 00-2970	EA		8 Channel, 16 Discrete Relays, 2 Common Relays, Modbus RTU And Ethernet Output, NEMA 4X Controller (MSA GasgardXL8200) .....	8,125.20	73.51
			Note: Price Includes Delivery (\$50.00)		
			For Battery Backup, Add	219.67	
46 82 83 00-2971	EA		4 Channel, NEMA 7 Explosion Proof Controller For Analog 4-20mA Detectors (MSA A-9000 XD0020100) .....	7,314.32	73.51
			Note: Includes 2 dual channel cards with independent AC/DC power supplies, 4 relays each and analog retransmission.		
46 82 83 00-2972	EA		25 Channel, NEMA 4X Controller For Modbus Detectors (MSA Modcon75 DSK-3204-178) .....	7,292.08	73.51
			Note: Includes NEMA 4X wall mount enclosure and 100W power supply.		
46 82 83 00-2973	EA		25 Channel, NEMA 7 Explosion Proof Controller For Modbus Detectors (MSA Modcon75 DSK-3204-230) .....	30,521.52	73.51
			Note: Class I, Div 1. Includes XP horn, horn silence button, custom NYCDEP relay logic and 240W power supply for sensors.		
46 82 83 00-2974	EA		25 Channel, Panel Mount Controller For Modbus Detectors MSA Modcon75 10081284) .....	5,157.96	73.51
			Note: Requires power supply and wiring integration.		
<b>46 82 83 00-2975</b>			<b>Gas Detection System Accessories <small>(46 82 83 00-2967)</small></b>		
46 82 83 00-2976	EA		Calibration Kit With 1.5 L/Min Regulator, Plastic Carrying Case, 20.8% O2 Zero Gas Cylinder And Tubing .....	771.10	
			For 100 PPM Carbon Monoxide (MSA 10028052), Add	296.58	
			For 40 PPM Hydrogen Sulfide (MSA 10028062), Add	296.58	
			For 50% LEL Methane (MSA 10028032), Add	296.58	
			For 0.6% Propane (MSA 10028034), Add	296.58	
46 82 83 00-2977	EA		3 Button IR Calibrator For Ultima And Trigard (MSA 809997) .....	395.44	
46 82 83 00-2978	EA		Handheld Controller For Ultima X And Trigard (MSA 809086) .....	1,225.00	
<b>46 82 83 00-2979</b>			<b>Gas Detection System Spare Parts <small>(46 82 83 00-2967)</small></b>		
46 82 83 00-2980	EA		Combination Gas, Infra-Red, Methane, Stainless Steel Sensor With XP, IR, NPT Enclosure (MSA A-ULTX-SENS- 38-1-0) .....	1,428.71	36.76
			Note: Price Includes Delivery (\$5.00)		
46 82 83 00-2981	EA		0-25%, Stainless Steel, Oxygen Sensor With XP Or GP Enclosure (MSA A-ALTX-SENS-14-1-0) .....	563.13	36.76
			Note: Price Includes Delivery (\$5.00)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2982 EA 0-100 PPM, Stainless Steel, Hydrogen Sulfide Sensor With XP Or GP Enclosure (MSA A-ULTX-SENS-17-1-0) ..... Note: Price Includes Delivery (\$5.00)	647.28	36.76
46 82 83 00-2983 EA Combination Gas, Natural Gas And Hydrogen, Stainless Steel Sensor With XP Or GP Enclosure (MSA A-ULTX-SENS-31-1-0) ..... Note: Price Includes Delivery (\$5.00)	647.28	36.76
46 82 83 00-2984 EA Three 3-Wire mA, 1 LED, Remote Housing, UL Enclosure, Explosion Proof Hydrogen Sulfide And Oxygen Transmitter (MSA A-ULTIMAX-XP-E01U3D10000100)..... Note: Price Includes Delivery (\$10.00)	1,842.32	35.28
46 82 83 00-2985 EA Three 3-Wire mA, 1 LED, Remote Housing, UL Enclosure, Explosion Proof Combination Infra-Red Transmitter (MSA A-ULTIMAX-XP-E02U3D10000100)..... Note: Price Includes Delivery (\$10.00)	1,842.32	35.28
46 82 83 00-2986 EA Three 3-Wire mA, 1 LED, Remote Housing, UL Enclosure, Explosion Proof Hydrogen Transmitter (MSA A-ULTIMAX-XP-E03U3D10000100) ..... Note: Price Includes Delivery (\$10.00)	1,842.32	35.28
46 82 83 00-2987 EA m Network 2, 4-Wire Modbus, 1 LED, Stainless SteelNPT Threads Enclosure, Explosion Proof Transmitter (MSA A-ULTIMAX3-E1M100000001000000000)..... Note: Price Includes Delivery (\$10.00)	2,499.16	35.28
46 82 83 00-2988 EA H2S Sensor, 0-50 PPM For Ultima XE Stainless Steel (MSA A-ULTX-SENS1610) .....	654.31	36.76
46 82 83 00-2989 EA Oxygen Sensor, 2-25% For Ultima XE Stainless Steel (MSA A-ULTX-SENS1410) .....	555.45	36.76
46 82 83 00-2990 EA CO Sensor, 0-100 PPM For Ultima XE Stainless Steel (MSA A-ULTX-SENS1110).....	654.31	36.76
46 82 83 00-2991 EA Combustion Gas Sensor, 0-100% LEL For Ultima XE Stainless Steel (MSA A-ULTX-SENS3110).....	555.45	36.76
46 82 83 00-2992 EA Combustion Gas Sensor, IR 0-100% LEL For Ultima XE Stainless Steel (MSA A-ULTX-SENS3810) .....	1,451.36	36.76
46 82 83 00-2993 EA Printed Circuit Board For Ultima XE Without Relays (MSA A-ULTX-PCBE41000) .....	1,210.87	
46 82 83 00-2994 EA Printed Circuit Board For Ultima XE With Relays (MSA A-ULTX-PCBE43000).....	1,464.20	
46 82 83 00-2995 EA Printed Circuit Board For Ultima X3 Without Relays (MSA A-ULTX-PCBM1000).....	1,210.87	
46 82 83 00-2996 EA Printed Circuit Board For Ultima X3 With Relays (MSA A-ULTX-PCBM3000) .....	1,464.20	
46 82 83 00-2997 EA Oxygen Sensor For B-Ultima (MSA 813723) .....	592.52	36.76
46 82 83 00-2998 EA H2S Sensor For B-Ultima 0-50 PPM (MSA 813616) .....	827.31	36.76
46 82 83 00-2999 EA CO Sensor For B-Ultima 0-100 PPM (MSA 813613) .....	827.31	36.76
46 82 83 00-3000 EA Combustible Gas Sensor For B-Ultima (MSA 813624).....	827.31	36.76
46 82 83 00-3001 EA Replacement Pump And Drive For Ultima X Sampling Module (MSA 815395) .....	793.51	36.76
46 82 83 00-3002 EA High Capacity End Of Line Dust/Moisture Filter (MSA 10015787).....	356.76	18.38
46 82 83 00-3003 EA End Of Line Dust/Moisture Filter (MSA 711561).....	92.37	18.38
<b>46 82 83 00-3004 General Purpose, Fixed Gas Detection Monitors (46 82 83 00-2967)</b>		
46 82 83 00-3005 EA Three 3-Wire mA Output, 1 LED, No Relays, UL Approved, Remote Mounted, Explosion Proof Hydrogen Gas Detector With Display (MSA A-ULTIMAX-XP-E31UD10000100) .....	2,715.35	73.51
46 82 83 00-3006 EA 20 Analog Input Channels, 30 Relays, 240W, Control System (MSA A-GASGARD1002300111)..... Note: Price Includes Delivery (\$50.00)	18,807.20	73.51
46 82 83 00-3007 EA Stainless Steel, Tri Gas Wet Well Monitor..... Note: Price Includes Delivery (\$50.00)	15,939.43	73.51
46 82 83 00-3008 EA Trigard Multigas Detector (MSA A-TRIGARD-AM1) .....	1,883.24	73.51
For 100 Watt Heater For Low Temperature Applications, Add	3,875.42	
For 0-500 PPM Carbon Monoxide, Or 0-25% Oxygen Or 1-100% LEL Cat Bead, Add	908.27	
For Battery Backup, Add	185.36	
For Red Or Amber Strobe, Add	247.15	
<b>46 82 83 00-3009 Explosion Proof, Fixed Gas Detection Monitors (46 82 83 00-2967)</b>		
46 82 83 00-3010 EA Combustible Gas Detector (MSA Ultima X A-ULTIMAX-XPE38U4D10000100)..... Note: Includes 0-100% LEL IR Sensor, LCD, LEDa, 3 wire 4-20mA HART output, no relays, remote mounted sensor and mounting bracket.	3,604.86	73.51
For OnBoard Relays, Add	256.83	
For Built In 120VAC/24VDC Power Supply, Add	488.53	
46 82 83 00-3011 EA Oxygen Gas Detector (MSA Ultima X A-ULTIMAX-XPE14U4D10000100)..... Note: Includes 0-25% O2 Sensor, LCD, LEDa, 3 wire 4-20mA HART output, locally mounted sensor, no relays and mounting bracket.	2,868.35	73.51
For OnBoard Relays, Add	256.83	
For Built In 120VAC/24VDC Power Supply, Add	488.53	
46 82 83 00-3012 EA Hydrogen Sulfide Detector (MSA Ultima X A-ULTIMAX-XPE17U4D10000100)..... Note: Includes 0-100 PPM H2S Sensor, LCD, LEDa, 3 wire 4-20mA HART output, no relays, remote mounted sensor and mounting bracket.	2,868.35	73.51
For OnBoard Relays, Add	256.83	
For Built In 120VAC/24VDC Power Supply, Add	488.53	
46 82 83 00-3013 EA Ultima X3 Multigas Explosion Proof Multigas Detector (MSA A-UltimaX3-E1M100003811000000000)..... Note: Includes local 0-25% O2 sensor, remote XP 0-100 PPM H2S sensor, remote XP 0-100% LEL IR sensor and Modbus output.	3,524.09	73.51
For OnBoard Relays, Add	256.83	
For Built In 120VAC/24VDC Power Supply, Add	488.53	
46 82 83 00-3014 EA Explosion Proof DC Sampling Pump For Ultima X Gas Detector (MSA 10043264) .....	1,853.51	36.76
Note: Includes flow switch, filters and requires flow caps.		
For Standard Flow Cap, Add	248.38	
For IR Sensor Flow Cap (MSA 10042600), Add	357.38	
For Wall Mounting Bracket (MSA 10047651), Add	55.74	
For End Of Line Filter, Add	301.64	
For 1/4" Sample Tubing, Add	7.65	
46 82 83 00-3015 EA Oxygen Gas Detector (MSA Ultima X A-ULTIMAX-PLA1404S10000100) .....	2,241.61	73.51
Note: Includes 0-25% O2 Sensor, LCD, LEDa, 3 wire 4-20mA HART output, no relays and mounting bracket.		
For OnBoard Relays, Add	256.83	
For Built In 120VAC/24VDC Power Supply, Add	488.53	

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3016 EA Carbon Monoxide Gas Detector (MSA Ultima X A-ULTIMAX-PLA1204S10000100).....	2,241.61	73.51
Note: Includes 0-500 PPM CO Sensor, LCD, LEDs, 3 wire 4-20mA HART output, no relays and mounting bracket.		
For OnBoard Relays, Add	256.83	
For Built In 120VAC/24VDC Power Supply, Add	488.53	
46 82 83 00-3017 EA Analog/HART Output, Combustible, Infra-Red 5% Methane Sensor, Stainless Steel "New Technology" Gas Monitor (MSA UltimaX5000F000AA000).....	3,703.33	73.51
Note: Price Includes Delivery (\$10.00)		
46 82 83 00-3018 EA Catalytic 5% Methane, Stainless Steel, Gas Monitor With Remote Junction Box (MSA UltimaX5000F00060000).....	3,171.08	73.51
46 82 83 00-3019 EA 0-50 PPM, Hydrogen Sulfide, Stainless Steel, Gas Monitor With Remote Junction Box (MSA UltimaX5000F00021000).....	3,229.01	73.51
46 82 83 00-3020 EA Stainless Steel, Oxygen, Gas Monitor With Remote Junction Box (MSA UltimaX5000F00016000).....	3,113.16	73.51
46 82 83 00-3021 EA 0-100 PPM, Stainless Steel, Carbon Monoxide, Gas Monitor With Remote Junction Box (MSA UltimaX5000F00010000).....	3,229.01	73.51
For Relays, Add	231.69	
<b>46 82 83 00-3022 Analytical Equipment And Instrumentation (Powers)</b> (46 82 83 00-2902)		
46 82 83 00-3023 EA Chlorination PID Controller, Analog Output, Five Digital Inputs. Model: Powers Process Control #555-2000BD000.....	2,086.03	45.95
<b>46 82 83 00-3024 Analytical Equipment And Instrumentation (Pulsar, Inc.)</b> (46 82 83 00-2902)		
46 82 83 00-3025 EA Level Monitoring System, Continuous Measurement Sensor For Liquids Or Slurries, Pulsar Model: Merit-80.....	1,185.75	36.76
46 82 83 00-3026 EA Level Monitoring (Non Isolation Output) Pulsar Model: Blackbox 130.....	907.69	36.76
46 82 83 00-3027 EA Level Monitoring, Digital Communication - Modbus RTU Pulsar Model: Blackbox 134.....	977.21	36.76
46 82 83 00-3028 EA Level Monitoring, Digital Communication - Profibus DP Pulsar Model: Blackbox 135.....	1,255.27	36.76
46 82 83 00-3029 EA Level Controller System, For Liquid, Slurry Or Solids Pulsar Model: Vanguard 90.....	1,283.07	36.76
46 82 83 00-3030 EA Level Controller System, For Liquid Or Solids Pulsar Model: Vanguard 100.....	1,449.91	36.76
46 82 83 00-3031 EA Flow, RTU And Pump Controller Pulsar Model: Zenith 140.....	2,047.74	36.76
46 82 83 00-3032 EA Open Channel Flowmeter, Pulsar Model: Oracle 160.....	1,672.35	36.76
46 82 83 00-3033 EA Open Channel Flowmeter With Velocity Input Pulsar Model: Oracle 160 Plus.....	1,950.41	36.76
46 82 83 00-3034 EA Sewer Flow Monitor And Sensor Pulsar Model: N-Speedy Flow.....	2,986.19	36.76
46 82 83 00-3035 EA dB3 With 5M Transducer, Pulsar Model: DB03-05.....	601.82	36.76
46 82 83 00-3036 EA dB6 With 5M Transducer, Pulsar Model: DB06-05.....	685.24	36.76
46 82 83 00-3037 EA dB10 With 5M Transducer, Pulsar Model: DB10-05.....	768.66	36.76
46 82 83 00-3038 EA dB15 With 5M Transducer, Pulsar Model: DB15-05.....	1,088.43	36.76
46 82 83 00-3039 EA dB25 With 5M Transducer, Pulsar Model: DB25-05.....	1,672.35	36.76
46 82 83 00-3040 EA dB40 With 5M Transducer, Pulsar Model: DB40-05.....	2,576.05	36.76
46 82 83 00-3041 EA Ultra PC Software Program And RS232-RJ11 Connection Lead Pulsar Model: PCULTRA SW.....	560.11	36.76
<b>46 82 83 00-3042 Analytical Equipment And Instrumentation (Rosemount)</b> (46 82 83 00-2902)		
46 82 83 00-3043 EA 4-Wire pH Analyzer, LCD, 0-14pH Range, Model: Rosemount Analytical #1054BPH-01.....	1,360.58	36.76
For Panel Mounting Kit, Add	20.00	
For Mounting Bracket For Pipe, Add	66.00	
46 82 83 00-3044 EA 4-Wire pH Analyzer, HART Protocol, NEMA 4X, 0-14pH Range, Model: Rosemount Analytical #54PH-09.....	2,183.32	36.76
For Panel Mounting Kit, Add	35.00	
For Mounting Bracket For Pipe, Add	35.00	
46 82 83 00-3045 EA pH Sensor, 10' Cable, Wetted Materials: TEZFEL, Glass, Ceramic And VITON. Model: Rosemount Analytical #399-07.....	527.15	18.38
For Flow Cell, Chlorinated Polyvinyl Chloride (CPVC), 1" FNPT, Add	140.00	
46 82 83 00-3046 EA pH Sensor, Insertion/Submersion With Integral Amplifier And Cable, 0-14pH Range. Model: Rosemount Analytical #385+03-11.....	664.00	18.38
46 82 83 00-3047 EA 4-Wire ORP Analyzer, LCD, +/-1500mV Output Span. Model: Rosemount Analytical #1054BORP-01.....	1,360.58	36.76
46 82 83 00-3048 EA 4-Wire ORP Analyzer, HART Protocol, NEMA 4X, 0-14pH Range, +/-1400mV. Model: Rosemount Analytical #54ORP-09.....	2,183.32	36.76
For Panel Mounting Kit, Add	35.00	
For Mounting Bracket For Pipe, Add	35.00	
46 82 83 00-3049 EA ORP Sensor, 10' Cable, wetting Materials: TEZFEL, Glass, Ceramic And VITON. Model: Rosemount Analytical #399-07.....	527.15	18.38
For Flow Cell, Chlorinated Polyvinyl Chloride (CPVC), 1" FNPT, Add	140.00	
46 82 83 00-3050 EA ORP Sensor, Insertion/Submersion With Integral Amplifier And Cable, +/- 1400mV. Model: Rosemount Analytical #385+03-01.....	664.00	18.38
46 82 83 00-3051 EA 4-Wire Conductivity Analyzer, 2 Outlets, 4 Relays. Model: Rosemount Analytical #54C-08.....	1,719.00	36.76
For Panel Mounting Kit, Add	35.00	
For Mounting Bracket For Pipe, Add	35.00	
46 82 83 00-3052 EA 4-Wire Conductivity Analyzer, LCD. Model: Rosemount Analytical #1054BC-01.....	1,360.58	36.76
For Mounting Bracket For Pipe, Add	66.00	
For Mounting Bracket, Wall, With Junction Box, Add	224.00	
46 82 83 00-3053 EA Conductivity Analyzer/Controller, HART Protocol. Model: Rosemount Analytical #54eC.....	2,183.32	36.76
46 82 83 00-3054 EA Retractable Conductivity Sensor, 0.2 And 1.0 Cell Constant, 316 Stainless Steel Wetted Parts. Model: Rosemount Analytical #140-06.....	1,213.76	16.30
For 316 Stainless Steel Ball Valve Kit, Add	400.00	
46 82 83 00-3055 EA Insertion Conductivity Sensor, 0.2 And 1.0 Cell Constant, 316 Stainless Steel Wetted Materials. Model: Rosemount Analytical #141-06-13-54.....	586.52	16.30
46 82 83 00-3056 EA Insertion Conductivity Sensor, 0.2 And 1.0 Cell Constant, 316 Stainless Steel Wetted Materials. Model: Rosemount Analytical #142-03-13-54.....	684.27	16.30
46 82 83 00-3057 EA 4-Wire Total Free Residual Chlorine Analyzer, LCD, Isolated Output. Model: Rosemount Analytical #1054BCL-01.....	1,824.90	36.76
46 82 83 00-3058 EA Chlorine Sensor, 25' Cable, 1" MNPT Process Connections. Model: Rosemount Analytical #1054BCL-01.....	1,138.82	16.30
<b>46 82 83 00-3059 Analytical Equipment And Instrumentation (Sierra)</b> (46 82 83 00-2902)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>46 82 83 00-3060 Gas Detection System Sensors <small>(46 82 83 00-3059)</small></b>						
46 82 83 00-3061	EA			Catalytic Bead, Combustible Gas Sensor Module (Sierra 5100-02-IT).....	1,210.13	36.76
				Note: Includes A1/A2 Aluminum Enclosure)		
				For 3/4" NPT Stainless Steel Enclosure (S1), Add	169.40	
				For 3/4" NPT Stainless Steel Enclosure (S2), Add	169.40	
				For Sentry RS-485, 4-20mA, DI And Relays (02), Add	120.22	
				For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	120.22	
				For Conformal Sensor (01), Add	43.72	
				For Conformal Transmitter (02), Add	43.72	
				For Severe Service Environment (03), Add	131.15	
46 82 83 00-3062	EA			Oxygen Gas Sensor Module (Sierra 5100-03-IT) .....	1,428.71	36.76
				Note: Includes A1/A2 Aluminum Enclosure)		
				For 3/4" NPT Stainless Steel Enclosure (S1), Add	169.40	
				For 3/4" NPT Stainless Steel Enclosure (S2), Add	169.40	
				For Sentry RS-485, 4-20mA, DI And Relays (02), Add	120.22	
				For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	120.22	
				For Conformal Sensor (01), Add	43.72	
				For Severe Service Environment (03), Add	131.15	
46 82 83 00-3063	EA			Carbon Monoxide Gas Sensor Module (Sierra 5100-04-IT).....	1,483.35	36.76
				Note: Includes A1/A2 Aluminum Enclosure)		
				For 3/4" NPT Stainless Steel Enclosure (S1), Add	169.40	
				For 3/4" NPT Stainless Steel Enclosure (S2), Add	169.40	
				For Sentry RS-485, 4-20mA, DI And Relays (02), Add	120.22	
				For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	120.22	
				For Conformal Sensor (01), Add	43.72	
				For Severe Service Environment (03), Add	131.15	
46 82 83 00-3064	EA			Hydrogen Sulfide Gas Sensor Module (Sierra 5100-05-IT) .....	1,483.35	36.76
				Note: Includes A1/A2 Aluminum Enclosure)		
				For 3/4" NPT Stainless Steel Enclosure (S1), Add	169.40	
				For 3/4" NPT Stainless Steel Enclosure (S2), Add	169.40	
				For Sentry RS-485, 4-20mA, DI And Relays (02), Add	120.22	
				For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	120.22	
				For Conformal Sensor (01), Add	43.72	
				For Severe Service Environment (03), Add	131.15	
46 82 83 00-3065	EA			Chlorine Gas Sensor Module (Sierra 5100-06-IT) .....	1,483.35	36.76
				Note: Includes A1/A2 Aluminum Enclosure)		
				For 3/4" NPT Stainless Steel Enclosure (S1), Add	169.40	
				For 3/4" NPT Stainless Steel Enclosure (S2), Add	169.40	
				For Sentry RS-485, 4-20mA, DI And Relays (02), Add	120.22	
				For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	120.22	
				For Conformal Sensor (01), Add	43.72	
				For Severe Service Environment (03), Add	131.15	
46 82 83 00-3066	EA			Chlorine Dioxide Gas Sensor Module (Sierra 5100-08-IT) .....	1,483.35	36.76
				Note: Includes A1/A2 Aluminum Enclosure)		
				For 3/4" NPT Stainless Steel Enclosure (S1), Add	169.40	
				For 3/4" NPT Stainless Steel Enclosure (S2), Add	169.40	
				For Sentry RS-485, 4-20mA, DI And Relays (02), Add	120.22	
				For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	120.22	
				For Conformal Sensor (01), Add	43.72	
				For Severe Service Environment (03), Add	131.15	
46 82 83 00-3067	EA			Sulfur Dioxide Gas Sensor Module (Sierra 5100-10-IT) .....	1,483.35	36.76
				Note: Includes A1/A2 Aluminum Enclosure)		
				For 3/4" NPT Stainless Steel Enclosure (S1), Add	169.40	
				For 3/4" NPT Stainless Steel Enclosure (S2), Add	169.40	
				For Sentry RS-485, 4-20mA, DI And Relays (02), Add	120.22	
				For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	120.22	
				For Conformal Sensor (01), Add	43.72	
				For Severe Service Environment (03), Add	131.15	
46 82 83 00-3068	EA			Nitrogen Dioxide Gas Sensor Module (Sierra 5100-12-IT) .....	1,483.35	36.76
				Note: Includes A1/A2 Aluminum Enclosure)		
				For 3/4" NPT Stainless Steel Enclosure (S1), Add	169.40	
				For 3/4" NPT Stainless Steel Enclosure (S2), Add	169.40	
				For Sentry RS-485, 4-20mA, DI And Relays (02), Add	120.22	
				For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	120.22	
				For Conformal Sensor (01), Add	43.72	
				For Severe Service Environment (03), Add	131.15	
46 82 83 00-3069	EA			Hydrogen Chloride Gas Sensor Module (Sierra 5100-21-IT).....	1,778.43	36.76
				Note: Includes A1/A2 Aluminum Enclosure)		
				For 3/4" NPT Stainless Steel Enclosure (S1), Add	169.40	
				For 3/4" NPT Stainless Steel Enclosure (S2), Add	169.40	
				For Sentry RS-485, 4-20mA, DI And Relays (02), Add	120.22	
				For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	120.22	
				For Conformal Sensor (01), Add	43.72	
				For Severe Service Environment (03), Add	131.15	
46 82 83 00-3070	EA			Ammonia Gas Sensor Module (Sierra 5100-25-IT).....	1,778.43	36.76
				Note: Includes A1/A2 Aluminum Enclosure)		
				For 3/4" NPT Stainless Steel Enclosure (S1), Add	169.40	
				For 3/4" NPT Stainless Steel Enclosure (S2), Add	169.40	
				For Sentry RS-485, 4-20mA, DI And Relays (02), Add	120.22	
				For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	120.22	
				For Conformal Sensor (01), Add	43.72	
				For Severe Service Environment (03), Add	131.15	

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3071	EA		Hydrogen Fluoride Gas Sensor Module (Sierra 5100-26-IT) ..... Note: Includes A1/A2 Aluminum Enclosure	2,040.73	36.76
			For 3/4" NPT Stainless Steel Enclosure (S1), Add	169.40	
			For 3/4" NPT Stainless Steel Enclosure (S2), Add	169.40	
			For Sentry RS-485, 4-20mA, DI And Relays (02), Add	120.22	
			For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	120.22	
			For Conformal Sensor (01), Add	43.72	
			For Severe Service Environment (03), Add	131.15	
46 82 83 00-3072	EA		0-20 PPM, Ethylene Oxide Gas Sensor Module (Sierra 5100-27-IT)..... Note: Includes A1/A2 Aluminum Enclosure	1,483.35	36.76
			For 3/4" NPT Stainless Steel Enclosure (S1), Add	169.40	
			For 3/4" NPT Stainless Steel Enclosure (S2), Add	169.40	
			For Sentry RS-485, 4-20mA, DI And Relays (02), Add	120.22	
			For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	120.22	
			For Conformal Sensor (01), Add	43.72	
			For Severe Service Environment (03), Add	131.15	
46 82 83 00-3073	EA		Infra-Red, Combustible Gas Sensor Module (Sierra 5100-28-IT) ..... Note: Includes Type 01 Standard (Methane)	1,865.87	36.76
			For 3/4" NPT Stainless Steel Enclosure (S1), Add	169.40	
			For 3/4" NPT Stainless Steel Enclosure (S2), Add	169.40	
			For Sentry RS-485, 4-20mA, DI And Relays (02), Add	120.22	
			For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	120.22	
			For Conformal Sensor (01), Add	43.72	
			For Conformal Transmitter (02), Add	43.72	
			For Severe Service Environment (03), Add	131.15	
46 82 83 00-3074	EA		Carbon Dioxide Gas Sensor Module (Sierra 5100-88-IT) ..... Note: Includes Type 01 Standard (Methane)	1,865.87	36.76
			For 3/4" NPT Stainless Steel Enclosure (S1), Add	169.40	
			For 3/4" NPT Stainless Steel Enclosure (S2), Add	169.40	
			For Sentry RS-485, 4-20mA, DI And Relays (02), Add	120.22	
			For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	120.22	
			For Conformal Sensor (01), Add	43.72	
			For Severe Service Environment (03), Add	131.15	
46 82 83 00-3075	EA		Analog/Digital Transmitter (Sierra 5100-99-IT) ..... Note: Includes Type 01 Standard (Methane)	1,146.25	23.52
			For 3/4" NPT Stainless Steel Enclosure (S1), Add	169.40	
			For 3/4" NPT Stainless Steel Enclosure (S2), Add	169.40	
			For Sentry RS-485, 4-20mA, DI And Relays (02), Add	120.22	
			For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	120.22	
			For Conformal Sensor (01), Add	43.72	
			For Severe Service Environment (03), Add	131.15	
<b>46 82 83 00-3076</b>			<b>Gas Detection System Control Panels</b> <small>(46 82 83 00-3059)</small>		
			Note: Includes DC 24V Power and Sentry InSite Proto-Air WiFi		
46 82 83 00-3077	EA		8-Channel Controller (Sierra 5000-08-IT) ..... For Enclosure Model 1; NEMA 1 Enclosure (3 stacks max), Add For Enclosure Model 2; NEMA 4 SS Enclosure (3 stacks max), Add For Enclosure Model 3; NEMA 4X GRP Enclosure (4 stacks max), Add For Enclosure Model 4; RACK Chassis (6 stacks max), Add For Enclosure Model 5; 5383-00 Retrofit Kit (2 stacks max), Add For Enclosure Model 6; 5383-01 Retrofit Kit (6 stacks max), Add For Stacks Model 11; Analog Input (16 inputs), Add For Stacks Model 22; PSG (16 inputs), Add For Stacks Model 3; Modbus RTU (32 inputs), Add For Stacks Model 444; Relay (8A) (8 relays), Add For Stacks Model 555; Analog Output (16 outputs), Add For Stacks Model 666; Digital Input (8 inputs), Add For Stacks Model 777; Carrier Only (8 relays), Add For Power Model A32; AC 110/220 32ch, Add For Power Model D08; DC 24 Volt with 8 Hour BBU, Add For HMI Model 0; Sentry InSite, Add For HMI Model 6; Sentry InSite Proto-Air Cellular (excl cellular data plan), Add	3,972.18	73.51
				540.99	
				1,087.44	
				978.15	
				540.99	
				540.99	
				868.86	
				1,311.48	
				1,311.48	
				1,311.48	
				874.32	
				874.32	
				874.32	
				874.32	
				628.42	
				3,278.70	
				109.29	
				437.16	
46 82 83 00-3078	EA		16-Channel Controller (Sierra 5000-16-IT) ..... For Enclosure Model 1; NEMA 1 Enclosure (3 stacks max), Add For Enclosure Model 2; NEMA 4 SS Enclosure (3 stacks max), Add For Enclosure Model 3; NEMA 4X GRP Enclosure (4 stacks max), Add For Enclosure Model 4; RACK Chassis (6 stacks max), Add For Enclosure Model 5; 5383-00 Retrofit Kit (2 stacks max), Add For Enclosure Model 6; 5383-01 Retrofit Kit (6 stacks max), Add For Stacks Model 11; Analog Input (16 inputs), Add For Stacks Model 22; PSG (16 inputs), Add For Stacks Model 3; Modbus RTU (32 inputs), Add For Stacks Model 444; Relay (8A) (8 relays), Add For Stacks Model 555; Analog Output (16 outputs), Add For Stacks Model 666; Digital Input (8 inputs), Add For Stacks Model 777; Carrier Only (8 relays), Add For Power Model A32; AC 110/220 32ch, Add For Power Model D08; DC 24 Volt with 8 Hour BBU, Add For HMI Model 0; Sentry InSite, Add For HMI Model 6; Sentry InSite Proto-Air Cellular (excl cellular data plan), Add	6,231.50	110.27
				540.99	
				1,087.44	
				978.15	
				540.99	
				540.99	
				868.86	
				1,311.48	
				1,311.48	
				1,311.48	
				874.32	
				874.32	
				874.32	
				874.32	
				628.42	
				3,278.70	
				109.29	
				437.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3079 EA 32-Channel Controller (Sierra 5000-32-IT) ..... <i>For Enclosure Model 1; NEMA 1 Enclosure (3 stacks max), Add</i> <i>For Enclosure Model 2; NEMA 4 SS Enclosure (3 stacks max), Add</i> <i>For Enclosure Model 3; NEMA 4X GRP Enclosure (4 stacks max), Add</i> <i>For Enclosure Model 4; RACK Chassis (6 stacks max), Add</i> <i>For Enclosure Model 5; 5383-00 Retrofit Kit (2 stacks max), Add</i> <i>For Enclosure Model 6; 5383-01 Retrofit Kit (6 stacks max), Add</i> <i>For Stacks Model 11; Analog Input (16 inputs), Add</i> <i>For Stacks Model 22; PSG (16 inputs), Add</i> <i>For Stacks Model 3; Modbus RTU (32 inputs), Add</i> <i>For Stacks Model 444; Relay (8A) (8 relays), Add</i> <i>For Stacks Model 555; Analog Output (16 outputs), Add</i> <i>For Stacks Model 666; Digital Input (8 inputs), Add</i> <i>For Stacks Model 777; Carrier Only (8 relays), Add</i> <i>For Power Model A32; AC 110/220 32ch, Add</i> <i>For Power Model D08; DC 24 Volt with 8 Hour BBU, Add</i> <i>For HMI Model 0; Sentry InSite, Add</i> <i>For HMI Model 6; Sentry InSite Proto-Air Cellular (excl cellular data plan), Add</i>	9,583.71 540.99 1,087.44 978.15 540.99 540.99 868.86 1,311.48 1,311.48 1,311.48 874.32 874.32 874.32 874.32 628.42 3,278.70 109.29 437.16	147.03
<b>46 82 83 00-3080 Gas Detection System Spare Parts</b> <small>(46 82 83 00-3059)</small>		
46 82 83 00-3081 EA 24VDC, Red, Panel Mounted, LED Dome Lens For Sentry IT Fire And Gas Controller (Sierra SPL44067) ..... Note: Spare Part	144.26	
46 82 83 00-3082 EA 24VDC, Green, Panel Mounted, LED Dome Lens For Sentry IT Fire And Gas Controller (Sierra SPL 44068) ..... Note: Spare Part	144.26	
46 82 83 00-3083 EA 24VDC, Yellow, Panel Mounted, LED Dome Lens For Sentry IT Fire And Gas Controller (Sierra SPL 44063)..... Note: Spare Part	144.26	
46 82 83 00-3084 EA 24VDC, Blue, Panel Mounted, LED Dome Lens For Sentry IT Fire And Gas Controller (Sierra SPL 44070)..... Note: Spare Part	144.26	
46 82 83 00-3085 EA 22mm, Red, Panel Sealed, Pushbutton SPDT Switch For Sentry IT Fire And Gas Controller (Sierra SPL 48086)..... Note: Spare Part	120.22	
46 82 83 00-3086 EA 10A SLO-BLO Fuse For Sentry IT Fire And Gas Controller (Sierra SPL 49140)..... Note: Spare Part	10.93	
46 82 83 00-3087 EA 3A, Class CC, Time Delay Fuse For Sentry IT Fire And Gas Controller (Sierra SPL 49185) ..... Note: Spare Part	27.32	
46 82 83 00-3088 EA DIN Rail, Terminal Block Fuse Holder For Sentry IT Fire And Gas Controller (Sierra SPL 59135) ..... Note: Spare Part	54.64	
46 82 83 00-3089 EA Class CC, UL List, Holder Fuse For Sentry IT Fire And Gas Controller (Sierra SPL 69072) ..... Note: Spare Part	81.97	
46 82 83 00-3090 EA Quarter-Turn With Screw Driver, Latch For Sentry IT Fire And Gas Controller (Sierra SPL 69218)..... Note: Spare Part	163.94	
46 82 83 00-3091 EA 24VAC/24VDC 10A Power Supply For Sentry IT Fire And Gas Controller (Sierra SPL 69231) ..... Note: Spare Part	650.28	
46 82 83 00-3092 EA Sentry InSite Appliance (Sierra FPC-N38-0027)..... Note: Spare Part	1,639.35	
46 82 83 00-3093 EA 5.7" TFT, LCD, PXA270 Touch Panel For Sentry IT Fire And Gas Controller (Sierra SPL 25077) ..... Note: Spare Part	2,072.14	
46 82 83 00-3094 EA ARM Sentry IT, CPU Assembly Stack For Sentry IT Fire And Gas Controller (Sierra SPL 21918) ..... Note: Spare Part	1,639.35	
46 82 83 00-3095 EA Modbus RTU RS485, Assembly Stack For Sentry IT Fire And Gas Controller (Sierra SPL 21901) ..... Note: Spare Part	1,803.28	
46 82 83 00-3096 EA Sentry PSG Bus, Assembly Stack For Sentry IT Fire And Gas Controller (Sierra SPL 21900) ..... Note: Spare Part	1,639.35	
46 82 83 00-3097 EA Relay 8A Or DO, Assembly Stack For Sentry IT Fire And Gas Controller (Sierra SPL 21899) ..... Note: Spare Part	1,639.35	
46 82 83 00-3098 EA Digital Input, Assembly Stack For Sentry IT Fire And Gas Controller (Sierra SPL 21898) ..... Note: Spare Part	1,639.35	
46 82 83 00-3099 EA Analog Input, Assembly Stack For Sentry IT Fire And Gas Controller (Sierra SPL 21896) ..... Note: Spare Part	1,639.35	
46 82 83 00-3100 EA Analog Output, Assembly Stack For Sentry IT Fire And Gas Controller (Sierra SPL 21897) ..... Note: Spare Part	1,639.35	
46 82 83 00-3101 EA Rainshield For Sentry IT Fire And Gas Controller (Sierra 5311-00)..... Note: Spare Part	30.60	
46 82 83 00-3102 EA Rainshield With Calibration Port For Sentry IT Fire And Gas Controller (Sierra 5311-02)..... Note: Spare Part	61.20	
46 82 83 00-3103 EA NEMA 12, IT Power Supply For Sentry IT Fire And Gas Controller (Sierra 5333-00)..... Note: Spare Part	854.65	
46 82 83 00-3104 EA Duct Mount Fitting For Sentry IT Fire And Gas Controller (Sierra 5394-00) ..... Note: Spare Part	118.03	
46 82 83 00-3105 EA Remote Sensor Kit For Sentry 5100-28-IT-A1 Controller (Sierra 5394-50-A1)..... Note: Spare Part <i>For Sentry RS-485, 4-20mA, DI And Relays (02), Add</i> <i>For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add</i> <i>For Conformal Sensor (01), Add</i> <i>For Severe Service Environment (03), Add</i>	579.24  120.22 120.22 43.72 131.15	
46 82 83 00-3106 EA Remote Sensor Kit For Sentry 5100-28-IT-S1 Controller (Sierra 5394-50-S1)..... Note: Spare Part	984.70	
46 82 83 00-3107 EA Remote Sensor Kit For Sentry 5100-02-IT-A1 Controller (Sierra 5394-51-A1)..... Note: Spare Part	393.44	
46 82 83 00-3108 EA Remote Sensor Kit For Sentry 5100-02-IT-S1 Controller (Sierra 5394-51-S1)..... Note: Spare Part	545.36	
46 82 83 00-3109 EA Remote Sensor Kit For Sentry 5100-02-IT-S2 Controller (Sierra 5394-51-S2)..... Note: Spare Part	516.94	
46 82 83 00-3110 EA Remote Sensor Kit For Sentry5100-XX-IT-A1 Controller (Sierra 5394-52-A1) ..... Note: Spare Part	298.36	



**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3111 EA Remote Sensor Kit For Sentry 5100-XX-IT-S1 Controller (Sierra 5394-52-S1) ..... Note: Spare Part	359.56	
46 82 83 00-3112 EA Sample Draw Assembly For Sentry IT Fire And Gas Controller (Sierra 5398-01)..... Note: Spare Part	714.76	
46 82 83 00-3113 EA Sample Draw/Dilution Assembly For Sentry IT Fire And Gas Controller (Sierra 5398-02)..... Note: Spare Part	1,006.56	
46 82 83 00-3114 EA 1-Channel, Sample Draw System For Sentry IT Fire And Gas Controller (Sierra 5398-21)..... Note: Spare Part	2,734.44	
46 82 83 00-3115 EA Sample Draw Fitting For Sentry IT Fire And Gas Controller (Sierra 5399-01) ..... Note: Spare Part	405.47	
46 82 83 00-3116 EA 2" Pipe Mounted Sensor Bracket For Sentry 5100-XX-IT Series, IME (Sierra SPL21877) ..... Note: Spare Part	95.08	
46 82 83 00-3117 EA 2" Pipe Mounted Sensor Bracket For Sentry 5100-XX-IT Series, Limatherm (Sierra SPL21920)..... Note: Spare Part	95.08	
46 82 83 00-3118 EA Ceiling Mount Assembly For Sentry IT Fire And Gas Controller (Sierra SPL68002)..... Note: Spare Part	44.81	
46 82 83 00-3119 EA 1" x 3", Stainless Steel Tag For Sentry IT Fire And Gas Controller (Sierra SPX39128-1) ..... Note: Spare Part	50.27	
46 82 83 00-3120 EA 1" x 3" Red, Phenolic, Engraved Tag For Sentry IT Fire And Gas Controller (Sierra SPX39177)..... Note: Spare Part	34.97	
46 82 83 00-3121 EA Type A Gas Sensor Calibrator Kit (Sierra 1250-01)..... Note: Spare Part	420.77	
46 82 83 00-3122 EA Type B Gas Sensor Calibrator Kit (Sierra 1250-02)..... Note: Spare Part	1,575.96	
46 82 83 00-3123 EA Type C Gas Sensor Calibrator Kit (Sierra 1250-03)..... Note: Spare Part	957.38	
46 82 83 00-3124 EA Type X Gas Sensor Calibrator Kit (Sierra 1250-99)..... Note: Spare Part	933.34	
46 82 83 00-3125 EA Air, (A), 105L Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-00)..... Note: Spare Part	218.58	
46 82 83 00-3126 EA 50% LEL, (A), 105L, Methane Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-02)..... Note: Spare Part	218.58	
46 82 83 00-3127 EA 100 PPM, (A), 105L, CO Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-04) ..... Note: Spare Part	218.58	
46 82 83 00-3128 EA 25PPM, (A), 57L, H2S-N2Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-05)..... Note: Spare Part	256.83	
46 82 83 00-3129 EA 5 PPM, (C), 104L, Cl2 Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-06)..... Note: Spare Part	677.60	
46 82 83 00-3130 EA 50 PPM, (B), 74L, SO2 Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-10) ..... Note: Spare Part	530.06	
46 82 83 00-3131 EA 10 PPM, (B), 74L, NO2 Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-12) ..... Note: Spare Part	530.06	
46 82 83 00-3132 EA 1000 PPM, (A), 105L, CO Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-13) ..... Note: Spare Part	256.83	
46 82 83 00-3133 EA 50% LEL, (A), 105L, Propane Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-28) ..... Note: Spare Part	256.83	
46 82 83 00-3134 EA 50% Vol, (A), 105L, Methane Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-29) ..... Note: Spare Part	256.83	
46 82 83 00-3135 EA 4 Channel, 25% LEL, (A), 105L, Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-30) ..... Note: Spare Part	267.76	
46 82 83 00-3136 EA 35% LEL, (A), 105L, Propane Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-31) ..... Note: Spare Part	530.06	
46 82 83 00-3137 EA 50% LEL, (A), 105L, H2 Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-42) ..... Note: Spare Part	218.58	
46 82 83 00-3138 EA 2000 PPM, (A), 105L, CO2 Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-80) ..... Note: Spare Part	218.58	
46 82 83 00-3139 EA Non-Standard Gas Type Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-99) ..... Note: Spare Part	672.13	
46 82 83 00-3140 EA Permeation Type Calibrator For Sentry IT Fire And Gas Controller (Sierra 9210-00)..... Note: Spare Part	1,770.50	
46 82 83 00-3141 EA H2S Permeation Tube For Sentry IT Fire And Gas Controller (Sierra 9211-01) ..... Note: Spare Part	994.54	
46 82 83 00-3142 EA NH3 Permeation Tube For Sentry IT Fire And Gas Controller (Sierra 9211-09) ..... Note: Spare Part	994.54	
46 82 83 00-3143 EA Standard Calibration Adapter For Sentry IT Fire And Gas Controller (Sierra 5358-01) ..... Note: Spare Part	40.44	
46 82 83 00-3144 EA IT Calibration And Configuration Magnetic Tool For Sentry IT Fire And Gas Controller (Sierra 5358-50) ..... Note: Spare Part	19.67	
46 82 83 00-3145 EA Fixed Calibration Gas Delivery Fitting (Sierra 5360-00)..... Note: Spare Part	46.99	
46 82 83 00-3146 EA 1250 Calibrator Series Case (Sierra 1255-01)..... Note: Spare Part	245.90	
46 82 83 00-3147 EA 36" PTFE Calibration Tubing (Sierra 1255-02) ..... Note: Spare Part	21.86	
46 82 83 00-3148 EA Type A Regulator For 1250 Calibrator Series (Sierra 1256-01) ..... Note: Spare Part	191.26	
46 82 83 00-3149 EA Type B Regulator For 1250 Calibrator Series (Sierra 1256-02) ..... Note: Spare Part	1,420.77	
46 82 83 00-3150 EA Type C Regulator For Calibrator 1250 Series (Sierra 1256-03)..... Note: Spare Part	819.68	
46 82 83 00-3151 EA Type A, Custom Flow Regulator (Sierra 1256-98) ..... Note: Spare Part	491.80	
46 82 83 00-3152 EA Delivery Tube And Fitting For Model 1200-26 (Sierra SPB22048) ..... Note: Spare Part	30.60	



<b>Water And Wastewater Equipment</b>	<b>46</b>
<b>Water Treatment Equipment</b>	<b>46 80</b>
<b>General Water Treatment Equipment</b>	<b>46 82</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3153	EA		SPB24001 1290-XX Cylinders Calibrator (Sierra SPB24001) ..... Note: Spare Part	568.31	
46 82 83 00-3154	EA		Plastic Carrying Case For Model 1200-26 (Sierra SPB32064) ..... Note: Spare Part	57.92	
46 82 83 00-3155	EA		0-2 SCFH Flow Meter (Sierra SPB64001) ..... Note: Spare Part	120.22	
46 82 83 00-3156	EA		3' Delivery Tube For Model 9210-00 (Sierra SPB64011) ..... Note: Spare Part	7.65	
46 82 83 00-3157	EA		3/4" NPT To M20 x 1.5, Stainless Steel, Adapter Fitting (Sierra 39128) ..... Note: Spare Part	30.60	
46 82 83 00-3158	EA		% LEL, Aluminum, Combustibles Sensor Assembly (Sierra 5200-02-IT-AL) ..... Note: Spare Part	387.98	
46 82 83 00-3159	EA		% LEL, Stainless Steel, Combustibles Sensor Assembly (Sierra 5200-02-IT-SS) ..... Note: Spare Part	453.55	
46 82 83 00-3160	EA		Sensor For Model 5100-03-IT (Sierra 5200-03-IT) ..... Note: Spare Part	360.66	
46 82 83 00-3161	EA		Sensor For Model 5100-04-IT (Sierra 5200-04-IT) ..... Note: Spare Part	448.09	
46 82 83 00-3162	EA		Sensor For Model 5100-05-IT (Sierra 5200-05-IT) ..... Note: Spare Part	480.88	
46 82 83 00-3163	EA		Sensor For Model 5100-06-IT (Sierra 5200-06-IT) ..... Note: Spare Part	562.84	
46 82 83 00-3164	EA		Sensor For Model 5100-08-IT (Sierra 5200-08-IT) ..... Note: Spare Part	562.84	
46 82 83 00-3165	EA		Sensor For Model 5200-10-IT (Sierra 5200-10-IT) ..... Note: Spare Part	595.63	
46 82 83 00-3166	EA		Sensor For Model 5200-12-IT (Sierra 5200-12-IT) ..... Note: Spare Part	562.84	
46 82 83 00-3167	EA		Sensor For Model 5100-25-IT (Sierra 5200-25-IT) ..... Note: Spare Part	1,475.42	
46 82 83 00-3168	EA		Sensor For Model 5100-26-IT (Sierra 5200-26-IT) ..... Note: Spare Part	1,661.21	
46 82 83 00-3169	EA		%LEL, IR Combustibles, Aluminum Sensor Assembly (Sierra 5200-28-IT-AL) ..... Note: Spare Part	825.14	
46 82 83 00-3170	EA		%LEL, IR Combustibles, Stainless Steel Sensor Assembly (Sierra 5200-28-IT-SS) ..... Note: Spare Part	983.61	
46 82 83 00-3171	EA		3/4" NPT to M20, ATEX, Stainless Steel Adapter Fitting (Sierra 68023) ..... Note: Spare Part	60.11	
46 82 83 00-3172	EA		IR Transmitter Assembly For Model 5100-28-IT (Sierra SPL21806) ..... Note: Spare Part	852.46	
46 82 83 00-3173	EA		Aluminum Enclosure For IT Series (Sierra SPL21810) ..... Note: Spare Part	273.22	
46 82 83 00-3174	EA		Transmitter Assembly For Model 5100-02-IT (Sierra SPL21813) ..... Note: Spare Part	841.53	
46 82 83 00-3175	EA		Stainless Steel Enclosure For IT Series (Sierra SPL21823) ..... Note: Spare Part	316.94	
46 82 83 00-3176	EA		Transmitter Assembly For Model 5100-XX-IT, Toxics (Sierra SPL21824) ..... Note: Spare Part	852.46	
46 82 83 00-3177	EA		Interface Board Without Relay For Model 5100-XX-IT (Sierra SPL21825) ..... Note: Spare Part	245.90	
46 82 83 00-3178	EA		Interface Board With Relay For Model 5100-XX-IT (Sierra SPL21829) ..... Note: Spare Part	338.80	
46 82 83 00-3179	EA		Aluminum Sensor Assembly For Model 5100-05-IT (Sierra SPL21830) ..... Note: Spare Part	797.82	
46 82 83 00-3180	EA		Aluminum Sensor Assembly For Model 5100-04-IT (Sierra SPL21832) ..... Note: Spare Part	797.82	
46 82 83 00-3181	EA		Aluminum Sensor Assembly For Model 5100-06/08-IT (Sierra SPL21833) ..... Note: Spare Part	857.93	
46 82 83 00-3182	EA		Aluminum Sensor Assembly For Model 5100-03-IT (Sierra SPL21834) ..... Note: Spare Part	808.75	
46 82 83 00-3183	EA		Plastic Sensor Assembly For Model 5100-25-IT (Sierra SPL21840) ..... Note: Spare Part	1,224.05	
46 82 83 00-3184	EA		Aluminum Sensor Assembly For Model 5100-10-IT (Sierra SPL21844) ..... Note: Spare Part	857.93	
46 82 83 00-3185	EA		Aluminum Sensor Assembly For Model 5100-12-IT (Sierra SPL21845) ..... Note: Spare Part	857.93	
46 82 83 00-3186	EA		HART Interface Board For IT Series (Sierra SPL21876) ..... Note: Spare Part	295.08	
46 82 83 00-3187	EA		Stainless Steel Sensor Assembly For Model 5100-05-IT (Sierra SPL27074) ..... Note: Spare Part	857.93	
46 82 83 00-3188	EA		Stainless Steel Enclosure For Model 4501 (Sierra SPL27077) ..... Note: Spare Part	273.22	
46 82 83 00-3189	EA		Stainless Steel Sensor Assembly For Model 5100-03-IT (Sierra SPL27082) ..... Note: Spare Part	857.93	
46 82 83 00-3190	EA		Stainless Steel Sensor Assembly For Model 5100-04-IT (Sierra SPL27083) ..... Note: Spare Part	857.93	
46 82 83 00-3191	EA		Stainless Steel Sensor Assembly For Model 5100-06/08-IT (Sierra SPL27084) ..... Note: Spare Part	912.57	
46 82 83 00-3192	EA		Aluminum Enclosure For Model 4501 (Sierra SPL27085) ..... Note: Spare Part	229.51	
46 82 83 00-3193	EA		Stainless Steel Sensor Assembly For Model 5100-10-IT (Sierra SPL27087) ..... Note: Spare Part	912.57	
46 82 83 00-3194	EA		Stainless Steel Sensor Assembly For Model 5100-12-IT (Sierra SPL27088) ..... Note: Spare Part	912.57	

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3195 EA IR Combust Sensor Element For Model 5100-28-IT (Sierra SPL33062) .....	584.70	
Note: Spare Part		
46 82 83 00-3196 EA Remote Sensor Cable For Model 5394-52 (Sierra SPL53050) .....	61.20	
Note: Plus \$3.00/LF (Spare Parts)		
46 82 83 00-3197 EA Remote Sensor Cable For Model 5394-50 IR (Sierra SPL53051) .....	61.20	
Note: Plus \$3.00/LF (Spare Parts)		
46 82 83 00-3198 EA Remote Sensor Kit Cable For Model 5394-51 (Sierra SPL53057) .....	61.20	
Note: Plus \$3.00/LF (Spare Parts)		
46 82 83 00-3199 EA CO Sensor For Models 4501-04, 5100-04-IT (Sierra SPM33030) .....	448.09	
Note: Spare Part		
46 82 83 00-3200 EA H2S Sensor For Models 4501-05, 5100-05-IT (Sierra SPM33041) .....	480.88	
Note: Spare Part		
46 82 83 00-3201 EA O2 Sensor For Models 4501-03, 5100-03-IT (Sierra SPM33044) .....	360.66	
Note: Spare Part		
46 82 83 00-3202 EA CL2 Sensor For Models 4501-06, 5100-06/08-IT (Sierra SPM33050) .....	562.84	
Note: Spare Part		
46 82 83 00-3203 EA SO2 Sensor For Models 4501-10, 5100-10-IT (Sierra SPM33052) .....	595.63	
Note: Spare Part		
46 82 83 00-3204 EA NO2 Sensor For Models 4501-12, 5100-12-IT (Sierra SPM33054) .....	562.84	
Note: Spare Part		
46 82 83 00-3205 EA Sensor Recharge Kit For Model 4101/5100-25 (Sierra SPX27057) .....	245.90	
Note: Spare Part		
46 82 83 00-3206 EA Sensor Recharge Kit For Model 4101/5100-26 (Sierra SPX27061) .....	284.15	
Note: Spare Part		
46 82 83 00-3207 EA Membrane Filter For Model 5100/4101-25 (Sierra SPX57009) .....	142.08	
Note: Spare Part		
46 82 83 00-3208 EA Electrolyte For Model 5100/4101-25 (Sierra SPX99017) .....	153.01	
Note: Spare Part		
<b>46 82 83 00-3209 Analytical Equipment And Instrumentation (Weir) (46 82 83 00-2902)</b>		
46 82 83 00-3210 EA 420 GPM, 5 PSI, Aluminum With Rubber Liner, Single Cyclone (Weir 1500C) .....	32,289.20	652.74
Note: Includes rubber liner, free-standing stainless steel supports, 0-30 PSI stainless steel pressure gauges, and stainless steel hardware.		
46 82 83 00-3211 EA 700 GPM, 5 PSI, Aluminum With Rubber Liner, Single Cyclone (Weir 2000C) .....	63,593.47	954.00
Note: Includes rubber liner, free-standing stainless steel supports, 0-30 PSI stainless steel pressure gauges, and stainless steel hardware.		
46 82 83 00-3212 EA 18" Full Flare Classifier (Weir WEMCO Hydrogritter) .....	77,619.65	1,138.11
Note: Includes stainless steel tank & supports, single pitch steel spiral with Ni-hard wear shoes, stainless steel belt and spiral guards, NEMA 7 safety stop enclosure, stainless steel explosion proof sluice water valve enclosure, 3 HP 1800 RPM severe duty explosion proof motor, and stainless steel side mounted transition feed box(es).		
46 82 83 00-3213 EA 24" Full Flare Classifier (Weir WEMCO Hydrogritter) .....	140,320.07	2,008.43
Note: Includes stainless steel tank & supports, single pitch steel spiral with Ni-hard wear shoes, stainless steel belt and spiral guards, NEMA 7 safety stop enclosure, stainless steel explosion proof sluice water valve enclosure, 3 HP 1800 RPM severe duty explosion proof motor, and stainless steel side mounted transition feed box(es).		
46 82 83 00-3214 EA 30" Full Flare Classifier (Weir WEMCO Hydrogritter) .....	200,553.28	2,945.70
Note: Includes stainless steel tank & supports, single pitch steel spiral with Ni-hard wear shoes, stainless steel belt and spiral guards, NEMA 7 safety stop enclosure, stainless steel explosion proof sluice water valve enclosure, 5 HP 1800 RPM severe duty explosion proof motor, and stainless steel side mounted transition feed box(es).		
<b>46 82 83 00-3215 Analytical Equipment And Instrumentation (Yokogawa) (46 82 83 00-2902)</b>		
46 82 83 00-3216 EA 2-Wire General Purpose ORP Transmitter, 4-20mA, Including Mounting Hardware. Model: Yokogawa #PH202G-U-E/PIN/U/Q .....	1,759.73	36.76
46 82 83 00-3217 EA 4-Wire ORP Converter, Mounting Bracket Included. Model: Yokogawa #PH402G-U-E/PIN/U/Q .....	1,784.17	36.76
46 82 83 00-3218 EA Universal pH/ORP Sensor, 20' Cable, Chemical Resistant. Model: Yokogawa #FU20-05-T1NPT/FS .....	448.04	16.30
46 82 83 00-3219 EA 2-Wire General Purpose Conductivity Transmitter, 4-20mA, Including Mounting Hardware. Model: Yokogawa #SC200G-C-U-E/B/U .....	1,759.73	36.76
46 82 83 00-3220 EA 4-Wire Conductivity Converter, Mounting Bracket Included. Model: Yokogawa #SC402G-E-1-E/Q/PIN/Q/PM/U .....	1,784.17	36.76
46 82 83 00-3221 EA 4-Wire Conductivity Sensor, 20' Cable, Chemical Resistant. Model: Yokogawa #SC41-SH24 .....	384.50	16.30
For 20' Cable, Add	85.00	
For Each Additional LF Of Cable Extension, Add	2.25	
46 82 83 00-3222 EA 2-Wire General Purpose pH Transmitter, 4-20mA, Including Mounting Hardware. Model: Yokogawa #PH202G-U-E/PIN/U/Q .....	1,759.73	36.76
46 82 83 00-3223 EA 4-Wire pH Converter, Mounting Bracket Included. Model: Yokogawa #PH402G-U-E/PIN/U/Q .....	1,784.17	36.76
46 82 83 00-3224 EA Universal pH/ORP Sensor, 20' Cable, Chemical Resistant. Model: Yokogawa #FU20-05-T1NPT/FS .....	448.04	16.30
For Each Additional LF Of Cable Extension, Add	2.25	
<b>46 82 83 00-3225 Analytical Equipment And Instrumentation (YSI) (46 82 83 00-2902)</b>		
<b>46 82 83 00-3226 IQ System 2020 Controllers and Module (46 82 83 00-3225)</b>		
46 82 83 00-3227 EA 100-240 VAC And USB Power Supply Interface, 5 Free IQ Sensor Net Connections, System 2020 XT 20 Channel Terminal/Controller (YSI 470 026Y, MIQ/TC 2020 3G-MC3) .....	4,206.47	73.51
46 82 83 00-3228 EA 3 Current Outputs, 3 Relay Outputs, 100-240 VAC And USB Power Supply Interface, 5 IQ Sensor Net Connections, System 2020 XT 20 Channel Terminal/Controller (YSI 470 022Y, MIQ/TC 2020 3G-H3) .....	3,468.39	73.51
46 82 83 00-3229 EA 6 Current Outputs, 100-240 VAC And USB Power Supply Interface, 5 IQ Sensor Net Connections, System 2020 XT 20 Channel Terminal/Controller (YSI 470 024Y, MIQ/TC 2020 3G-H3 C6) .....	3,468.39	73.51
46 82 83 00-3230 EA System 2020 3G Terminal/Controller Only (YSI 470 020Y, MIQ/TC 2020 3G) .....	2,519.43	73.51
Note: Used As redundant (back up) controller. Complete with USB interface. No modules included.		
46 82 83 00-3231 EA Extended Warranty, 2020 Terminal Controllers, 1 Additional Year (YSI Ext-War-2020-1) .....	284.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3232 EA Extended Warranty, 2020 Terminal Controllers, 2 Additional Years (YSI Ext-War-2020-2).....	568.31	
<b>46 82 83 00-3233 2020 System Modules</b> <small>(46 82 83 00-3225)</small>		
46 82 83 00-3234 EA 2 Free IQ SensorNet Connections In Module Housing, Automatic Barometric Pressure Compensation, USB Interface (IP67), Ethernet RJ45 Interface (IP 67)Module IQ/Microcontroller For System 2020 XT (YSI 471 020Y, MIQ/MC3).....	1,681.93	46.31
46 82 83 00-3235 EA 2 Free IQ SensorNet Connections, RS-485 MODBUS Connection, Automatic Barometric Pressure Compensation, USB Interface (IP 67), Ethernet Interface (IP 67), Module IQ/Microcontroller For System 2020 XT (YSI 471 022Y, MIQ/MC3-MOD).....	2,846.00	46.31
46 82 83 00-3236 EA 2 Free IQ SensorNet Connections, RS-485 PROFIBUS Connection, Automatic Barometric Pressure Compensation, USB Interface (IP 67), Ethernet Interface (IP 67), Module IQ/Microcontroller For System 2020 XT (YSI 471 023Y, MIQ/MC3-PR).....	3,012.58	46.31
46 82 83 00-3237 EA RS-485 MODBUS Connection, 2 Free IQ SensorNet Connections, Automatic Barometric Pressure Compensation, Module IQ (YSI 471 026Y, MIQ/3-MOD).....	2,538.10	46.31
46 82 83 00-3238 EA RS-485 PROFIBUS Connection, 2 Free IQ SensorNet Connections, Automatic Barometric Pressure Correction For DO, Module IQ (YSI 471 027Y, MIQ/3-PR).....	2,643.54	46.31
46 82 83 00-3239 EA 4 IQ Sensor Net Connections, Passive Junction Box (YSI 480 008Y, MIQ/JB)..... Note: Used with 182 and 2020XT.	360.91	27.57
46 82 83 00-3240 EA 6 Analog Outputs, 2 IQ Sensor Net Connection, Output Module (YSI 480 015Y, MIQ/C6)..... Note: Used with 182 and 2020XT.	1,093.57	45.95
46 82 83 00-3241 EA 3 Analog And 3 Relay, 2 IQ Sensor Net Connection, Output Module (YSI 480 014Y, MIQ/CR3)..... Note: Used with 182 and 2020XT.	853.17	45.95
46 82 83 00-3242 EA 6 Relays, 2 IQ Sensor Net Connections, Relay Module (YSI 480 013Y, MIQ/R6)..... Note: Used with 182, 184XT and 2020XT.	1,014.49	45.95
46 82 83 00-3243 EA 100-240 VAC, 18 Watts, 3 IQ Sensor Net Connections, Power Supply Module (YSI 480 004Y, MIQ/PS)..... Note: Used with 2020XT.	629.63	45.95
46 82 83 00-3244 EA 2 Analog Inputs, 2 IQ Sensor Net Connections, Input Module (YSI 480 016Y, MIQ/IC2)..... Note: Used with 2020XT. For adding other equipment to IQ System.	724.53	45.95
46 82 83 00-3245 EA 4 IQ Sensor Net Connections, Junction Box With Amplifier (YSI 480 010Y, MIQ/JBR)..... Note: Used with 2020XT.	687.77	27.57
46 82 83 00-3246 EA 24V AC/DC, 3 IQ Sensor Net Connections, Power Supply Module (YSI 480 006Y, MIQ/24V)..... Note: Used with 2020XT.	840.51	45.95
46 82 83 00-3247 EA 3 IQ Sensor Net Connections, RS232 Interface Module (YSI 480 020Y, MIQ/IF232)..... Note: Used with 182 and 2020XT. For service only. Ability to update 182s, 184s and 2020s. Ability to direct connect to a PC for 2020 XTs only. You cannot connect to a modem. Includes RS-232 cable and software.	956.50	45.95
46 82 83 00-3248 EA 2 IQ Sensor Net Connections, Cleaner Head Valve Module (YSI 480 018Y, MIQ/CHV Plus)..... Note: Used with 182, 184XT and 2020XT.	914.32	45.95
46 82 83 00-3249 EA USB/RS232 Port, Ethernet Adapter Set (YSI 902 887Y, MIQ/TM/SET)..... Note: Used with 2020XT. No ability to update 182s, 184s and 2020s. Ability to direct connect to a PC for 2020s only. You can connect to a modem. Includes software. Excludes LAN adapter.	631.29	4.59
46 82 83 00-3250 EA 3 IQ SensorNet Connection, Radio Module (YSI 480 025Y, MIQ/WL PS Set)..... Note: For wireless communication. Used with 182 and 2020XT. Order additional secondary modules, 480 023Y as needed. Includes primary and secondary radio modules with integrated power supply.	1,610.23	45.95
46 82 83 00-3251 EA 3 IQ SensorNet Connections, Secondary Radio Module (YSI 480 023Y, MIQ/WL PS)..... Note: For communicating to an existing primary module. Used with 183 and 2020XT. Includes integrated power supply.	945.95	45.95
<b>46 82 83 00-3252 IQ System 182 Controllers</b> <small>(46 82 83 00-3225)</small>		
46 82 83 00-3253 EA 3 Relays, Two 4-20mA Outputs, 100-240 VAC, 1 IQ Sensor Net Connection, System 182, 1-2 Channel Controller (YSI 472 000Y, DIQ/S 182).....	1,786.38	73.51
46 82 83 00-3254 EA 5 Relays, Four 4-20mA Outputs, 100-240 VAC, 3 IQ Sensor Net Connections, System 182, 1-2 Channel Controller (YSI 472 001Y, DIQ/S 182XT).....	2,097.86	73.51
46 82 83 00-3255 EA Profibus Output, 100-240 VAC, 2 IQ Sensor Net Connections, System 182, 1-2 Channel Controller (YSI 472 002Y, DIQ/S 182-PR).....	1,994.03	73.51
46 82 83 00-3256 EA Modbus Output, 100-240 VAC, 2 IQ Sensor Net Connections, System 182, 1-2 Channel Controller (YSI 472 003Y, DIQ/S 182-MOD).....	1,994.03	73.51
46 82 83 00-3257 EA 3 Relays, Two 4-20 mA Outputs, 24 V, 1 IQ Sensor Net Connection, System 182, 1-2 Channel Controller (YSI 472 010Y, DIQ/S 182/24V).....	1,922.99	73.51
46 82 83 00-3258 EA 5 Relays, Four 4-20 mA Outputs, 24 V, 1 IQ Sensor Net Connection, System 182, 1-2 Channel Controller (YSI 472 011Y, DIQ/S 182XT/24V).....	2,212.61	73.51
46 82 83 00-3259 EA Profibus Output, 24 V, 1 IQ Sensor Net Connection, System 182, 1-2 Channel Controller (YSI 472 012Y, DIQ/S 182/24V-PR).....	2,223.54	73.51
46 82 83 00-3260 EA Modbus Output, 24 V, 1 IQ Sensor Net Connection, System 182, 1-2 Channel Controller (YSI 472 013Y, DIQ/S 182/24V-MOD).....	2,168.89	73.51
46 82 83 00-3261 EA 6 Relays, Five 4-20mA Outputs, 100-240VAC, 3 IQ Sensor Net Connections, System 182XT 4 Channel Controller (YSI 472 015Y, DIQ/S 182 XT-4).....	2,261.79	73.51
46 82 83 00-3262 EA 3 Relays, Profibus-DP, 100-240 VAC, 6 IQ Sensor Net Connections, System 182XT 4 Channel Controller (YSI 472 017Y, DIQ/S 182 XT-4-PR).....	2,392.94	73.51
46 82 83 00-3263 EA 3 Relays, ModBUS RTU/RS 485, 6 IQ Sensor Net Connections, System 182XT 4 Channel Controller (YSI 472 019Y, DIQ/S 182 XT-4-MOD).....	2,327.37	73.51
46 82 83 00-3264 EA 6 Relays, Five 4-20mA Outputs, 24V AC/DC, 3 IQ Sensor Net Connections, System 182XT 4 Channel Controller (YSI 472 021Y, DIQ/S 182 XT-4/24V).....	2,392.94	73.51
46 82 83 00-3265 EA 3 Relays, Profibus-DP, 24V AC/DC, 6 IQ Sensor Net Connections, System 182XT 4 Channel Controller (YSI 472 023Y, DIQ/S 182 XT-4/24V PR).....	2,567.80	73.51
46 82 83 00-3266 EA 3 Relays, ModBUS RTU/RS 485, 24V, 6 IQ Sensor Net Connections, System 182XT 4 Channel Controller (YSI 472 024Y, DIQ/S 182 XT-4/24V MOD).....	2,469.44	73.51
<b>46 82 83 00-3267 IQ System 282 Modules</b> <small>(46 82 83 00-3225)</small>		
46 82 83 00-3268 EA System 282 Junction Box (YSI 472 005Y, DIQ/JB)..... Note: Used with 182. Only for use with 182's, non-stackable, needs mounting.	169.01	27.57

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3269 EA 1 Relay, System 282 Cleaning Head Valve Module (YSI 472 007Y, DIQ/CHV) ..... Note: Used with 182. For use with plant air.	713.99	45.95
46 82 83 00-3270 EA 100-240 VAC, 18 Watts, 3 IQ Sensor Net Connections, Power Supply Module (YSI 480 004Y, MIQ/PS) ..... Note: Used with 182 and 2020XT.	713.99	45.95
46 82 83 00-3271 EA 4 IQ Sensor Net Connections, Passive Junction Box (YSI 480 008Y, MIQ/JP) ..... Note: Used with 182 and 2020XT.	487.43	27.57
46 82 83 00-3272 EA 6 Relays, 2 IQ Sensor Net Connections, Relay Module (YSI 480 013Y, MIQ/R6) ..... Note: Used with 182, 184XT and 2020XT.	1,040.85	45.95
46 82 83 00-3273 EA 3 Analog, 3 Relay, 2 IQ Sensor Net Connections, Output Module (YSI 480 014Y, MIQ/CR3) ..... Note: Used with 182 and 2020XT.	956.50	45.95
46 82 83 00-3274 EA 6 Analog Outputs, 2 IQ Sensor Net Connections, Output Module (YSI 480 015Y, MIQ/C6) ..... Note: Used with 182 and 2020XT.	1,135.75	45.95
46 82 83 00-3275 EA 3 IQ Sensor Net Connections, RS232 Interface Module (YSI 480 020Y, MIQ/IF232) ..... Note: Used with 182 and 2020XT. When used with 182, for software updates only. For service only. Includes RS-232 cable and software.	945.95	45.95
46 82 83 00-3276 EA 2 IQ Sensor Net Connections, Cleaner Head Valve Module (YSI 480 018Y, MIQ/CHV Plus) ..... Note: Used with 182 and 2020XT.	936.46	45.95
46 82 83 00-3277 EA D-SUB Connection For Profibus And Modbus Connections (YSI 902 888Y, ADA/D-SUB) ..... Note: Used with 182 and 2020XT IQ SensorNet System.	320.24	4.59
46 82 83 00-3278 EA 3 IQ SensorNet Connections, Radio Module (YSI 480 025Y, MIQ/WL PS Set) ..... Note: For wireless communication. Used with 182 and 2020XT. Order additional secondary modules, 480 023Y as needed. Includes primary and secondary radio modules with integrated power supply.	1,662.95	45.95
46 82 83 00-3279 EA 3 IQ SensorNet Connections, Secondary Radio Module (YSI 480 023Y, MIQ/WL PS) ..... Note: For communicating to an existing primary module. Used with 183 and 2020XT. Includes integrated power supply.	961.77	45.95
<b>46 82 83 00-3280 IQ System 282 Controllers (46 82 83 00-3225)</b>		
46 82 83 00-3281 EA 3 Relays, Three Current Outputs, 2 IQ Sensor Connections, System 282 IQ SensorNet Controller (YSI 472 110Y, DIQ/S 282-CR3) ..... 282-PR) .....	2,055.49	73.51
46 82 83 00-3282 EA PROFIBUS Output, 2 IQ Sensor Net Connections, System 282, IQ SensorNet Controller (YSI 472 111Y, DIQ/S 282-PR) .....	2,331.75	73.51
46 82 83 00-3283 EA 3 Relays, MODBUS, 2 IQ Sensor Net Connections, System 282, IQ SensorNet Controller (YSI 472 112Y, DIQ/S 282-MOD) .....	2,331.75	73.51
46 82 83 00-3284 EA 3 Relays, Three Current Output, 2 IQ Sensor Connections, RJ45 Internet And Remote Control, System 282, IQ SensorNet Controller (YSI 472 113Y, DIQ/S 282-CR3-E) .....	2,445.62	73.51
46 82 83 00-3285 EA 3 Relays, 2 IQ Sensor Connections, Ethernet Fieldbus Internet And Remote Control, System 282, IQ SensorNet Controller (YSI 472 114Y, DIQ/S 282-EF) .....	2,445.62	73.51
46 82 83 00-3286 EA 3 Relays, Three Current Outputs, 24V AC/DC, 2 IQ Sensor Connections, System 282, IQ SensorNet Controller (YSI 472 120Y, DIQ/S 282-CR3/24V) .....	2,445.62	73.51
46 82 83 00-3287 EA 3 Relays, PROFIBUS, 24V AC/DC, 2 IQ Sensor Connections, System 282, IQ SensorNet Controller (YSI 472 121Y, DIQ/S 282-PR/24V) .....	2,477.25	73.51
46 82 83 00-3288 EA 3 Relays, MODBUS, 24V AC/DC, 2 IQ Sensor Connections, IQ SensorNet Controller (YSI 122Y, DIQ/S 282-MOD/24V) .....	2,477.25	73.51
46 82 83 00-3289 EA Extended Warranty, 282 Terminal Controllers, 1 Additional Year (YSI Ext-War-282-1) .....	207.65	
46 82 83 00-3290 EA 3 Relays, 24V AC/DC, 2 IQ Sensor Connections, RJ45 Internet And Remote Control, System 282, IQ SensorNet Controller (YSI 472 123Y, DIQ/S 282-CR3-E/24V) .....	2,593.24	73.51
46 82 83 00-3291 EA Extended Warranty, 282 Terminal Controllers, 2 Additional Years (YSI Ext-War-282-2) .....	415.30	
46 82 83 00-3292 EA 3 Relays, 24V AC/DC, 2 IQ Sensor Connections, Ethernet Fieldbus Internet And Remote Control, System 282, IQ SensorNet Controller (YSI 472 124Y, DIQ/S 282-EF/24V) .....	2,593.24	73.51
<b>46 82 83 00-3293 IQ System 284 Controllers (46 82 83 00-3225)</b>		
46 82 83 00-3294 EA 6 Relays, Six Current Output, 4 IQ Sensor Connections, System 284, IQ SensorNet Controller (YSI 472 130Y, DIQ/S 284-CR6) .....	2,477.25	73.51
46 82 83 00-3295 EA 3 Relays, PROFIBUS, 4 IQ Sensor Connections, System 284, IQ SensorNet Controller (YSI 472 131Y, DIQ/S 284-PR) .....	2,698.68	73.51
46 82 83 00-3296 EA 3 Relays, MODBUS, 4 IQ Sensor Connections, System 284, IQ SensorNet Controller (YSI 472 132Y, DIQ/S 284-MOD) .....	2,698.68	73.51
46 82 83 00-3297 EA 6 Relays, Six Current Output, 4 IQ Sensor Connections, RJ45 Internet And Remote Control, System 284, IQ SensorNet Controller (YSI 472 133Y, DIQ/S 284-CR6-E) .....	2,698.68	73.51
46 82 83 00-3298 EA 3 Relays, 4 IQ Sensor Connections, Ethernet Fieldbus, System 284, IQ SensorNet Controller (YSI 472 134Y, DIQ/S 284-EF) .....	2,698.68	73.51
46 82 83 00-3299 EA 6 Relays, 24V AC/DC, Six Current Outputs, 4 IQ Sensor Connections, System 284, IQ SensorNet Controller (YSI 472 140Y, DIQ/S 284-CR6/24V) .....	2,804.12	73.51
46 82 83 00-3300 EA 3 Relays, PROFIBUS, 24V AC/DC, 4 IQ Sensor Connections System 284, IQ SensorNet Controller (YSI 472 141Y, DIQ/S 284-PR/24V) .....	2,804.12	73.51
46 82 83 00-3301 EA 3 Relays, MODBUS, 24V AC/DC, 4 IQ Sensor Connections, System 284, IQ SensorNet Controller (YSI 472 142Y, DIQ/S 284-MOD/24V) .....	2,804.12	73.51
46 82 83 00-3302 EA 6 Relays, 24V AC/DC, 4 Sensor Connections, Six Current Output, RJ45 Internet And Remote Control, System 284, IQ SensorNet Controller (YSI 472 143Y, DIQ/S 284-CR6-E/24V) .....	2,804.12	73.51
46 82 83 00-3303 EA 3 Relays, 24V AC/DC, 4 IQ Sensor Connections, Ethernet Fieldbus And Remote Control, System 284, IQ SensorNet Controller (YSI 472 144Y, DIQ/S 284-EF/24V) .....	2,804.12	73.51
<b>46 82 83 00-3304 Mounting Hardware for Controllers (46 82 83 00-3225)</b>		
46 82 83 00-3305 EA Pivoting Wall Mounting (YSI 109 275Y, BE/M 170-D) .....	177.94	9.56
46 82 83 00-3306 EA Plastic, IQ Sun Shield (YSI 109 295Y, SSH/IQ) ..... Note: Mounts directly to Vario Mounting Stands or requires 109 286Y to mount on hand railing. For 2020 And 182 Module mounting, also used for mounting air cleaning box.	223.99	9.19
46 82 83 00-3307 EA 25-60 mm Diameter Rail Mounting Kit For SD/M 170, SD/K 170 And SSH/IQ Sun Shields (YSI 109 286Y, MR/SD 170) ..... Note: Used with 109 284Y and 109 295Y.	166.00	9.19



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3308 EA Sun Shield For Outdoor Installation Of Junction Boxes (YSI 109 284Y, SD/K 170) ..... Note: Used with 109 286Y. Requires 109 286Y. Order separately.	160.72	9.19
46 82 83 00-3309 EA Top Hat Rail Mounting For IQ Modules (YSI 480 050Y, THS/IQ) ..... Note: Din rail mounting system.	81.64	9.19
46 82 83 00-3310 EA Wall Mount Kit For IQ Modules (YSI 480 052Y, WMS/IQ).....	81.64	9.19
46 82 83 00-3311 EA Panel Mount Kit For IQ Modules (YSI 480 048Y, PMS/IQ).....	56.34	9.19
46 82 83 00-3312 EA Mounting Plate For Two DIQ Modules (YSI 472 009Y, MS/DIQ)..... Note: Requires 109 286Y. Order separately.	102.73	9.19
46 82 83 00-3313 EA M16 Male To 1/2" NPT Female Stainless Steel Conduit Adapter (YSI 480 053USY, ).....	50.01	9.19
46 82 83 00-3314 EA 3/4" Diameter, CC-Box, Flexible Conduit Adapter For IQ Module Connections (YSI 900 120Y, CC-BOX) .....	71.10	9.19
46 82 83 00-3315 EA 3/4" Diameter, CC-PM, Conduit Adapter For IQ Profibus/Modbus Connections (YSI 900 125Y, CC-PM).....	71.10	9.19
46 82 83 00-3316 EA Vario Wall Mounting Stand (YSI 109 283Y, BE/ST 170-M).....	809.18	9.19
46 82 83 00-3317 EA Double Sun Shield (YSI 109 287Y, SD/M170-D)..... Note: For mounting two monitors. Requires one 109 286Y (order separately).	373.57	9.19
46 82 83 00-3318 EA Double Junction Clamp For Vario Mounting Stands (YSI 109 290Y, MS/KK 170).....	345.24	9.19
<b>46 82 83 00-3319 Sensor Cleaning Modules And Options</b> <small>(46 82 83 00-3225)</small>		
46 82 83 00-3320 EA 115 VAC, Cleaner Air Box Assembly (YSI 480 017Y, CLEANING AIR BOX-115 VAC) ..... Note: You need part #900 107Y in conjunction with either 480 018Y or 480 017Y. Order 109 286Y and 109 295Y separately for mounting the 480 017Y. Uses one relay from IQ network.	1,726.21	45.95
46 82 83 00-3321 EA Cleaning Head Assembly For IQ Sensors (YSI 900 107Y, CH)..... Note: Includes 15 M of tubing.	619.09	45.95
46 82 83 00-3322 EA Cleaner Head Valve Module (YSI 480 018Y, MIQ/CHV Plus) ..... Note: You need part #900 107Y in conjunction with either 480 018Y or 480 017Y. For use with 184XT and 2020XT systems.	851.06	45.95
46 82 83 00-3323 EA System 182 Cleaning Head Valve Module (YSI 472 007Y, DIQ/CHV) ..... Note: Uses one relay contact for operation. For use with plant supplied air.	698.17	45.95
<b>46 82 83 00-3324 Dissolved Oxygen - Optical</b> <small>(46 82 83 00-3225)</small>		
46 82 83 00-3325 EA 0 To 20 mg/L, Optical DO Probe For IQ System (YSI 201 650Y, FDO 700 IQ)..... Note: Order SACIQ cable separately.	2,111.21	27.57
46 82 83 00-3326 EA 0 To 20 mg/L, Fast Response Optical DO Probe For IQ System (YSI 201 660Y, FDO 701 IQ)..... Note: Order SACIQ cable separately.	2,111.21	27.57
46 82 83 00-3327 EA 0 To 20 mg/L, Seawater, Optical DO Probe For IQ System (YSI 201 652Y, FDO 700 IQ SW) ..... Note: Order SACIQ cable separately.	2,111.21	27.57
46 82 83 00-3328 EA 0 To 20 mg/L, Seawater, Fast Response Optical DO Probe For IQ System (YSI 201 653Y, FDO 701 IQ SW) ..... Note: Order SACIQ cable separately.	2,111.21	27.57
46 82 83 00-3329 EA 0 To 20 mg/L, Class I, Division 2, Groups A, B, C, D T6, Optical DO Probe For IQ System (YSI 207 065Y, FDO 700 IQ H)..... Note: Order MIQ/BB1 (207 001Y) and SACIQ separately. Must be connected to MIQ/BB1 to maintain Class I, Division 2 rating.	2,216.65	27.57
46 82 83 00-3330 EA 0 To 20 mg/L, Class I, Division 2, Groups A, B, C, D T6, Fast Response Optical DO Probe For IQ System (YSI 207 066Y, FDO 701 IQ H)..... Note: Order MIQ/BB1 (207 001Y) and SACIQ separately. Must be connected to MIQ/BB1 to maintain Class I, Division 2 rating.	2,216.65	27.57
46 82 83 00-3331 EA Barrier Box Module For FDO 700(1) IQ H (YSI 207 001Y, MIQ/BB1)..... Note: Used with 207 065Y and 207 066Y.	476.89	27.57
46 82 83 00-3332 EA IQ FDO 700 IQ Probe Replacement Cap (YSI 201 654Y, SC-FDO 700) .....	223.99	9.19
46 82 83 00-3333 EA IQ FDO 701 IQ Fast Response Probe Replacement Cap (YSI 201 655Y, SC-FDO 701) .....	223.99	9.19
46 82 83 00-3334 EA Protective Guard For FDO Probes (YSI 205 253Y, MSK FDO).....	223.99	9.19
46 82 83 00-3335 EA Cleaning Kit For Connection Of The Protective Hood To A Valve Modules Or Cleaning Air Box (YSI 205 254Y, MSK FDO CS).....	205.61	
<b>46 82 83 00-3336 Electrochemical Membrane Style</b> <small>(46 82 83 00-3225)</small>		
46 82 83 00-3337 EA 0 To 60 mg/L, 0.0 Resolution, Electrochemical DO Probe For IQ System (YSI 201 640Y, TriOxmatic® 700 IQ)..... Note: Order SACIQ cable separately.	1,953.05	27.57
46 82 83 00-3338 EA Electrochemical DO Probe For IQ System, Salt Water (YSI 201 641Y, TriOxmatic® 700 IQ SW)..... Note: Order SACIQ cable separately.	1,963.59	27.57
46 82 83 00-3339 EA 0 To 20 mg/L, 0.0 Resolution, Fast Responding, Electrochemical DO Probe For IQ System (YSI 201 644Y, TriOxmatic® 701 IQ)..... Note: Order SACIQ cable separately.	1,963.59	27.57
46 82 83 00-3340 EA 0 To 2000 PPB, 0-10 mg/L, Electrochemical DO Probe For IQ System (YSI 201 646Y, TriOxmatic® 702 IQ) ..... Note: Order SACIQ cable separately.	3,028.54	27.57
46 82 83 00-3341 EA Maintenance Kit For TriOxmatic 600, 690, 700, 700 IN Probes (YSI 202 620Y, ZBK 600) .....	326.86	
46 82 83 00-3342 EA Maintenance Kit For TriOxmatic 601, 701, 702 Probes (YSI 202 621Y, ZBK 25i) .....	326.86	
46 82 83 00-3343 EA Replacement Membrane Head Assemblies For Models 600/700 (2 EA) (YSI 202 850Y, WP 600/2).....	205.61	
46 82 83 00-3344 EA Replacement Membrane Head Assemblies For Models 701, 702 (2 EA) (YSI 202 852Y, WP 25i/2).....	205.61	
46 82 83 00-3345 EA 50 mL, Cleaning Solution For Ag-Electrode (YSI 205 200Y, RL-AG/Oxi) .....	115.98	
46 82 83 00-3346 EA 50 mL, Electrolyte Solution For TriOxmatic 600/700 Series Probes (YSI 205 212Y, ELY/A).....	100.17	
46 82 83 00-3347 EA Protective Membrane Guard For TriOxmatic And CellOx Probes (YSI 205 251Y, MSK 600).....	149.53	9.19
46 82 83 00-3348 EA Cathode Cleaner (Abrasive Foil) For TriOxmatic Dissolved Oxygen Probes (YSI 203 680Y, SF 300).....	42.18	
46 82 83 00-3349 EA Cleaning Cup For TriOxmatic Probes (YSI 202 510Y, RA 600).....	158.16	
<b>46 82 83 00-3350 Interface Level Detection</b> <small>(46 82 83 00-3225)</small>		
46 82 83 00-3351 EA Digital, Ultrasonic Probe With Automatic Cleaning Wiper For Interface Level Detection (YSI 481 200Y, IFL 700 IQ)..... Note: Used with 2020XT. Order SACIQ cable separately.	3,165.61	27.57
46 82 83 00-3352 EA Digital, Ultrasonic Probe For Interface Level Detection (YSI 481 201Y, IFL 701 IQ)..... Note: Used with 2020XT. Order SACIQ cable separately.	3,028.54	27.57

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3353			<b>Total Suspended Solids And Turbidity</b> <small>(46 82 83 00-3225)</small>		
46 82 83 00-3354	EA		Turbidity Probe For IQ System (YSI 600 010Y, VisoTurb 700 IQ) .....3,745.53 Note: Order SACIQ cable separately.	3,745.53	27.57
46 82 83 00-3355	EA		Turbidity Probe For Seawater Design IQ System (YSI 600 011Y, VisoTurb 700 IQ SW) .....4,167.29 Note: Order SACIQ cable separately.	4,167.29	27.57
46 82 83 00-3356	EA		Suspended Solids Probe For IQ System (YSI 600 012Y, ViSolid 700 IQ) .....4,167.29 Note: Order SACIQ cable separately.	4,167.29	27.57
46 82 83 00-3357	EA		Suspended Solids Probe For Seawater Design IQ System (YSI 600 013Y, ViSolid 700 IQ SW) .....4,905.37 Note: Order SACIQ cable separately.	4,905.37	27.57
46 82 83 00-3358	EA		Class I, Division 2, Group D T6 Rated, Suspended Solids Probe For IQ System (YSI 207 012Y, ViSolid 700 IQ H) .....4,267.46 Note: Order MIQ/BB2 and SACIQ separately. Must be connected to MIQ/BB2 (207 002Y) to maintain Cl, D2 rating.	4,267.46	27.57
46 82 83 00-3359	EA		Barrier Box Module For ViSolid 700 IQ H (YSI 207 002Y, MIQ/BB2).....476.89 Note: Used with 207 012Y.	476.89	27.57
46 82 83 00-3360			<b>Ammonium</b> <small>(46 82 83 00-3225)</small>		
46 82 83 00-3361	EA		Reference Electrode, Ammonium Electrode, AmmoLyt Plus Ammonium Probe (YSI 107 071YK, AmmoLyt Plus Set) .....6,508.06 Note: Order SACIQ cable separately. For dirty process applications, add MIQ/CHV Plus (480 018Y) and CH (900 107Y).	6,508.06	27.57
46 82 83 00-3362	EA		Reference Electrode, Ammonium Electrode, Potassium Electrodes, AmmoLyt Plus Ammonium Probe (YSI 107 072YK, AmmoLyt Plus set/comp) .....6,618.77 Note: Order SACIQ cable separately. For dirty process applications, add MIQ/CHV Plus (480 018Y) and CH (900 107Y).	6,618.77	27.57
46 82 83 00-3363	EA		AmmoLyt Plus Ammonium Probe (YSI 107 070Y, AmmoLyt Plus 700 IQ) .....4,847.38 Note: Order Electrodes and SACIQ cable separately. For dirty process applications, add MIQ/CHV Plus (480 018Y) and CH (900 107Y).	4,847.38	27.57
46 82 83 00-3364	EA		AmmoLyt Plus Ammonium Reference Electrode (YSI 107 042Y, VARIOn Ref).....909.19 Note: Used with 107 070Y and 170 040Y.	909.19	27.57
46 82 83 00-3365	EA		0.1 To 1,000 mg/L, Ammonium Measuring Electrode For VARIOn Plus And AmmoLyt Plus 700 IQ Probes (YSI 107 044Y, VARIOn Plus NH4) .....656.14 Note: Used with 107 070Y and 170 040Y.	656.14	27.57
46 82 83 00-3366	EA		1 To 1,000 mg/L, Potassium Compensating Electrode For VARIOn Plus And AmmoLyt Plus 700 IQ Probes (YSI 107 046Y, VARIOn Plus K) .....656.14 Note: Used with 107 070Y and 170 040Y.	656.14	27.57
46 82 83 00-3367	EA		1,000 mL, Low Concentration Standard Solution For VARIOn Plus, AmmoLyt Plus, And NitraLyt Plus 700 IQ Probes (YSI 107 050Y, VARIOn/ES-1) .....84.35 Note: Used for sensor check and storage.	84.35	
46 82 83 00-3368	EA		1,000 mL, High Concentration Standard For VARIOn Plus, AmmoLyt Plus And NitraLyt Plus 700 IQ Probes (YSI 107 052Y, VARIOn/ES-2).....84.35 Note: Used for sensor check.	84.35	
46 82 83 00-3369			<b>Nitrate</b> <small>(46 82 83 00-3225)</small>		
46 82 83 00-3370	EA		Reference Electrode, Nitrate Electrode, NitraLyt Plus Nitrate Probe (YSI 107 081YK, NitraLyt Plus Set) .....6,508.06 Note: Order SACIQ cable separately. For dirty process applications, add MIQ/CHV Plus (480 018Y) and CH (900 107Y).	6,508.06	27.57
46 82 83 00-3371	EA		Reference Electrode, Nitrate Electrode, Chloride Electrode, NitraLyt Plus Nitrate Probe (YSI 107 082YK, NitraLyt Plus Set/Comp).....6,718.94 Note: Order SACIQ cable separately. For dirty process applications, add MIQ/CHV Plus (480 018Y) and CH (900 107Y).	6,718.94	27.57
46 82 83 00-3372	EA		NitraLyt Plus Nitrate Probe (YSI 107 080Y, NitraLyt Plus 700 IQ) .....5,321.86 Note: Requires nitrate reference and measuring electrodes and cable assembly. Order Electrodes and SACIQ cable separately. For dirty process applications, add MIQ/CHV Plus (480 018Y) and CH (900 107Y).	5,321.86	27.57
46 82 83 00-3373	EA		NitraLyt Plus Nitrate Reference Electrode (YSI 107 042Y, VARIOn Ref).....909.19 Note: Used with 107 070Y, 107 080Y and 107 040Y.	909.19	27.57
46 82 83 00-3374	EA		0.1 To 1000 mg/L, Nitrate Measuring Electrode (YSI 107 045Y, VARIOn Plus NO3).....687.77 Note: For VARIOn Plus, NitraLyt And?NitraLyt Plus 700 IQ Probes. Used with 107 080Y and 107 040Y.	687.77	27.57
46 82 83 00-3375	EA		1 To 1000 mg/L, Chloride Compensating Electrode (YSI 107 047Y, VARIOn Plus Cl) .....687.77 Note: For VARIOn Plus And NitraLyt Plus 700 IQ Probes. Used with 107 080Y and 107 040Y.	687.77	27.57
46 82 83 00-3376	EA		1,000 mL, Low Concentration Standard Solution (YSI 107 050Y, VARIOn/ES-1) .....94.90 Note: For VARIOn Plus, AmmoLyt Plus, and NitraLyt Plus 700 IQ probes. Used for sensor check and storage.	94.90	
46 82 83 00-3377	EA		1,000 mL, High Concentration Standard Solution (YSI 107 052Y, VARIOn/ES-2) .....94.90 Note: For VARIOn Plus, AmmoLyt Plus and NitraLyt Plus 700 IQ probes. Used for sensor check.	94.90	
46 82 83 00-3378			<b>VARIOn Plus 700 IQ Combination Sensor For Ammonium And Nitrate</b> <small>(46 82 83 00-3225)</small>		
46 82 83 00-3379	EA		VARIOn Plus Probe (YSI 107 066YK, VARIOn@PlusAN/A set).....7,667.90 Note: Includes reference electrode, and electrodes for ammonium, nitrate and potassium. Order SACIQ cable separately. For dirty process applications, add MIQ/CHV Plus (480 018Y) and CH (900 107Y).	7,667.90	27.57
46 82 83 00-3380	EA		VARIOn Plus Ammonium Kit (YSI 107 060YK, VARIOn@Plus A comp set) .....7,364.98 Note: Includes VARIOn Plus Probe, reference electrode, ammonium electrode and potassium compensating electrode. Order SACIQ cable separately. For dirty process applications, add MIQ/CHV Plus (480 018Y) and CH (900 107Y).	7,364.98	
46 82 83 00-3381	EA		VARIOn Plus Probe (YSI 107 068YK, VARIOn@Plus AN/N set).....7,667.90 Note: Includes reference electrode, and electrodes for ammonium, nitrate and chloride. Order electrodes and SACIQ cable separately. For dirty process applications, add MIQ/CHV Plus (480 018Y) and CH (900 107Y).	7,667.90	27.57



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3382 EA VARIOn Plus Nitrate Kit (YSI 107 062YK, VARIOn@Plus N comp set).....	7,364.98	
Note: Includes VARIOn Plus Probe, reference electrode, nitrate electrode and chloride compensating electrode. Order SACIQ cable separately. For dirty process applications, add MIQ/CHV Plus (480 018Y) and CH (900 107Y).		
46 82 83 00-3383 EA VARIOn Plus Probe (YSI 107 040Y, VARIOn Plus 700 IQ).....	5,559.10	27.57
Note: Requires ion selective electrodes, reference and compensating electrodes. Order Electrodes and SACIQ cable separately. For dirty process applications, add MIQ/CHV Plus (480 018Y) and CH (900 107Y).		
46 82 83 00-3384 EA VARIOn Reference Electrode (YSI 107 042Y, VARIOn Ref).....	961.91	27.57
Note: Used with 107 070Y, 107 080Y and 107 040Y.		
46 82 83 00-3385 EA 0.1 To 1000 mg/L, Ammonium Measuring Electrode (YSI 107 044Y, VARIOn Plus NH4).....	698.31	27.57
Note: For VARIOn Plus and AmmoLyt Plus 700 IQ probes. Used with 107 070Y and 170 040Y.		
46 82 83 00-3386 EA 0.1 To 1000 mg/L, Nitrate Measuring Electrode (YSI 107 045Y, VARIOn Plus NO3).....	698.31	27.57
Note: For VARIOn Plus, NitraLyt and NitraLyt Plus 700 IQ probes. Used with 107 080Y and 107 040Y.		
46 82 83 00-3387 EA 1 To 1000 mg/L, Potassium Compensating Electrode (YSI 107 046Y, VARIOn Plus K).....	698.31	27.57
Note: For VARIOn Plus and AmmoLyt Plus 700 IQ probes. Used with 107 070Y and 170 040Y.		
46 82 83 00-3388 EA 1 To 1000 mg/L, Chloride Compensating Electrode (YSI 107 047Y, VARIOn Plus Cl).....	698.31	27.57
Note: For VARIOn Plus and NitraLyt Plus 700 IQ probes. Used with 107 080Y and 107 040Y.		
46 82 83 00-3389 EA 1,000 mL, Low Concentration Standard Solution (YSI 107 050Y, VARIOn/ES-1).....	94.90	
Note: For VARIOn Plus, AmmoLyt Plus, and NitraLyt Plus 700 IQ probes. Used for sensor check and storage.		
46 82 83 00-3390 EA 1,000 mL, High Concentration Standard Solution (YSI 107 052Y, VARIOn/ES-2).....	94.90	
Note: For VARIOn Plus, AmmoLyt Plus and NitraLyt Plus 700 IQ probes. Used for sensor check.		
46 82 83 00-3391 EA Protective Hood (YSI 107 056Y, VARIOn 700 IQ-SK).....	208.17	9.19
Note: For VARIOn Sensor Electrodes		
46 82 83 00-3392 EA 1 Box Spanner For Electrodes, 1 Blind Plug, 3 Spare O-rings, 1 Vessel For Wet Storage, Spare Parts Kit (YSI 107 057Y, VARIOn Epack).....	87.43	
46 82 83 00-3393 EA Maintenance And Calibration Case (YSI 107 058Y, VARIOn Case).....	349.73	
Note: For VARIOn 700 IQ.		
<b>46 82 83 00-3394</b>	<b>pH And ORP</b> <small>(46 82 83 00-3225)</small>	
46 82 83 00-3395 EA IQ Probe, pH Or ORP Probe With Amplifier (YSI 109 170Y, SensoLyt® 700 IQ).....	1,056.81	27.57
Note: Order pH or ORP Electrode and SACIQ cable separately.		
46 82 83 00-3396 EA Salt Water Design, IQ Probe, pH Or ORP Probe With Amplifier (YSI 109 171Y, SensoLyt® 700 IQ SW).....	1,120.07	27.57
Note: Order pH or ORP Electrode and SACIQ cable separately.		
46 82 83 00-3397 EA 2 To 12 pH, pH Electrode With Built In Reference (YSI 109 115Y, SensoLyt SEA).....	598.15	27.57
Note: For SensoLyt 690/700 and SensoLyt 700 IQ. Used with 109 170Y and 109 171Y. SEA Electrode is designed for wastewater.		
46 82 83 00-3398 EA 2 To 12 pH, pH Electrode With Built In Reference (YSI 109 117Y, SensoLyt ECA).....	540.15	27.57
Note: For SensoLyt 690/700 and SensoLyt 700 IQ. Used with 109 170Y and 109 171Y.		
46 82 83 00-3399 EA Up To 145 PSIG, 4 To 12 pH, pH Electrode With Built In Reference (YSI 109 118Y, SensoLyt SEA-HP).....	598.15	27.57
Note: For high pressure. For SensoLyt 690/700 and SensoLyt 700 IQ. Used with 109 170Y and 109 171Y. SEA-HP is designed for high pressure.		
46 82 83 00-3400 EA 2 To 12 pH, pH Electrode With Built In Reference (YSI 109 119Y, SensoLyt DWA).....	545.43	27.57
Note: For SensoLyt 690/700 And SensoLyt 700 IQ. Used with 109 170Y and 109 171Y. DWA Electrode is designed for drinking water applications.		
46 82 83 00-3401 EA +/- 1000 mV, ORP Electrode With Built In Reference (YSI 109 125Y, SensoLyt PtA).....	682.50	27.57
Note: For SensoLyt 690/700. Used with 109 170Y and 109 171Y.		
<b>46 82 83 00-3402</b>	<b>Conductivity</b> <small>(46 82 83 00-3225)</small>	
46 82 83 00-3403 EA Submersible Conductivity Probe (YSI 302 500Y, TetraCon® 700 IQ).....	1,330.95	27.57
Note: For IQ System, requires cable assembly.		
46 82 83 00-3404 EA Salt Water Design, Submersible Conductivity Probe (YSI 302 501Y, TetraCon® 700 IQ SW).....	1,562.92	27.57
Note: For IQ System, requires cable assembly.		
<b>46 82 83 00-3405</b>	<b>UV - Single Wavelength With Compensation Wavelength</b> <small>(46 82 83 00-3225)</small>	
46 82 83 00-3406 EA Optical UV Absorption Probe (YSI 481 036Y, IQ UVT-254 701).....	13,878.31	27.57
Note: For UVT-254/SAC (total and soluble) with correlated parameters: COD, BOD, DOC and TOC, 1 mm path length, with integrated ultrasonic cleaning. Reports one parameter at a time. Supplied with multifunctional slide and shock-absorption-rings. Without connection cable (SACIQ order separately). Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.		
46 82 83 00-3407 EA Optical UV Absorption Probe (YSI 481 038Y, IQ UVT-254 705).....	13,192.95	27.57
Note: For UVT-254/SAC (total and soluble) with correlated parameters: COD, BOD, DOC and TOC, 5 mm path length, with integrated ultrasonic cleaning. Reports one parameter at a time. Supplied with multifunctional slide and shock-absorption-rings, without connection cable (SACIQ order separately). Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.		
46 82 83 00-3408 EA IQ SensorNet Optical UV NOx Probe (YSI 481 034Y, IQ NOx 701).....	15,976.57	27.57
Note: With integrated ultrasonic cleaning, 1 mm gap. Nitrate measuring range: 0.0-100.0 mg/L NOx-N, Supplied with multifunctional slide and shock-absorption-rings, without connection cable (SACIQ order separately). Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.		
46 82 83 00-3409 EA IQ SensorNet Optical UV NOx Probe (YSI 481 035Y, IQ NOx 705).....	16,002.93	27.57
Note: With integrated ultrasonic cleaning, 5 mm gap. Nitrate measuring range: 0.0-20.0 mg/L NOx-N, Supplied with multifunctional slide and shock-absorption-rings, without connection cable (SACIQ order separately). Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.		
<b>46 82 83 00-3410</b>	<b>UV And UV/VIS Spectral Sensors</b> <small>(46 82 83 00-3225)</small>	



**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3411 EA Optical Nitrate Probe (YSI 481 044Y, NitraVis 701 IQ)..... Note: With spectral processing of UV/VIS range, for in-situ measurement in inlet/BNR part of municipal wastewater treatment plants, with integrated ultrasonic cleaning. Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	17,030.97	27.57
46 82 83 00-3412 EA Optical Nitrate And TSS Probe (YSI 481 045Y, NitraVis 701 IQ TS)..... Note: With spectral processing of UV/VIS range, for in-situ measurement in inlet/BNR part of municipal wastewater treatment plants, with integrated ultrasonic cleaning. Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	18,781.27	27.57
46 82 83 00-3413 EA Optical Nitrate Probe (YSI 481 046Y, NitraVis 705 IQ)..... Note: With spectral processing of UV/VIS range, for in-situ measurement in the effluent of municipal wastewater treatment plants, with integrated ultrasonic cleaning. Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	17,030.97	27.57
46 82 83 00-3414 EA Optical Nitrate And TSS Probe (YSI 481 047Y, NitraVis 705 IQ TS)..... Note: With spectral processing of UV/VIS range, for in-situ measurement in the effluent of municipal wastewater treatment plants, with integrated ultrasonic cleaning. Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	19,150.31	27.57
46 82 83 00-3415 EA IQ SensorNet Optical UV Nitrite/Nitrate Probe (YSI 481 056Y, NitraVis 701 IQ NI)..... Note: With integrate ultrasonic cleaning, 1 mm gap. For use in influent, biological tank and effluent of municipal wastewater treatment plants, Supplied with calibration chamber and shock-absorption rings. Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	17,505.45	27.57
46 82 83 00-3416 EA IQ SensorNet Optical UV Nitrite/Nitrate Probe (YSI 481 057Y, NitraVis 705 IQ NI)..... Note: With integrate ultrasonic cleaning, 5 mm gap. For use in effluent of municipal wastewater treatment plants, supplied with calibration chamber and shock-absorption rings. Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	17,610.89	27.57
46 82 83 00-3417 EA Optical Nitrate And COD - Total And Soluble/TOC/DOC/BOD/SAC - Total And Soluble/UVT-254 Probe (YSI 481 052Y, NiCaVis 705 IQ)..... Note: With spectral processing of the UV/Vis range, for use in effluent (municipal wastewater), with integrated ultrasonic cleaning. Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	23,125.40	27.57
46 82 83 00-3418 EA Optical COD - Total And Soluble/TOC/DOC/BOD/SAC - Total And Soluble/UVT-254 Probe (YSI 481 048Y, CarboVis 701 IQ)..... Note: With spectral processing of the UV/VIS range for use in influent/effluent/biological tank (municipal wastewater) with integrated ultrasonic cleaning. Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	20,167.81	27.57
46 82 83 00-3419 EA Optical COD - Total And Soluble/TOC/DOC/BOD/SAC - Total And Soluble/UVT-254 And TSS Probe (YSI 481 049Y, CarboVis 701 IQ TS)..... Note: With spectral processing of the UV/Vis range for use in influent/effluent/biological tank (municipal wastewater) with integrated ultrasonic cleaning. Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	22,208.07	27.57
46 82 83 00-3420 EA Optical COD - Total And Soluble/TOC/DOC/BOD/SAC - Total And Soluble/UVT-254 Probe (YSI 481 050Y, CarboVis 705 IQ)..... Note: With spectral processing of the UV/Vis range for use in effluent (municipal wastewater) with integrated ultrasonic cleaning. Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	20,426.14	27.57
46 82 83 00-3421 EA Optical COD - Total And Soluble/TOC/DOC/BOD/SAC - Total And Soluble/UVT-254 And TSS Probe (YSI 481 051Y, CarboVis 705 IQ TS)..... Note: With spectral processing of the UV/Vis range for use in effluent (municipal wastewater) with integrated ultrasonic cleaning. Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	22,503.31	27.57
46 82 83 00-3422 EA UV Nitrite/Nitrate/COD - Total And Soluble/TOC/DOC/BOD/SAC - Total And Soluble And UVT - 254 Probe (YSI 481054Y, NiCaVis 701 IQ NI)..... Note: For use in influent, biological tank and effluent municipal wastewater treatment plants with integrated ultrasonic cleaning. Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	23,267.75	27.57
46 82 83 00-3423 EA UV Nitrite/Nitrate/COD - Total And Soluble/TOC/DOC/BOD/SAC - Total And Soluble And UVT - 254 Probe (YSI 481055Y, NiCaVis 705 IQ NI)..... Note: For use in effluent of municipal wastewater treatment plants with integrated ultrasonic cleaning. Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	23,726.41	27.57
46 82 83 00-3424 EA Air Pressure Cleaning Set (YSI 481 075Y, SET/AP)..... Note: With connector and 15m air tubing.	189.79	
46 82 83 00-3425 EA UVVIS Probes And IQ SensorNet Cleaning Kit (YSI 481 071Y, VIS/CT)..... Note: Includes 20 perforated textured cleaning cloths in two sizes for 1 mm and 5 mm gap Sensors.	189.79	
46 82 83 00-3426 EA UVVIS Sensor Universal Cleaning Kit (YSI 481 079Y, VIS C/SET)..... Note: Includes 20 perforated textured (flocked) cleaning cloths in two sizes for 1 mm and 5 mm gap sensors. Includes cleaning solutions.	379.58	
46 82 83 00-3427 EA 1 mm Path Length, Old-style UVVIS Sensor Cleaning Brushes (YSI 481 031Y, VIS/Set Brushes/1mm)..... Note: (2) brushes. Used on discontinued version of UVVIS probe.	94.90	
46 82 83 00-3428 EA 5 mm Path Length, Old-style UVVIS Sensor Cleaning Brushes (YSI 481 032Y, VIS/Set Brushes/5mm)..... Note: (2) brushes. Used on discontinued version of UVVIS probe.	94.90	
46 82 83 00-3429 EA UVVIS Calibration And Cleaning Chamber (YSI 481 074, VIS/CV).....	337.41	
46 82 83 00-3430 EA UV/VIS Probe Horizontal Mounting Kit With Swing Mount EH/F 170 (YSI 481 073Y, VIS Set/EH).....	329.43	9.19
<b>46 82 83 00-3431 Cable Assemblies (46 82 83 00-3225)</b>		
46 82 83 00-3432 EA 4.9', IQ Sensor Connection Cable (YSI 480 040Y, SACIQ-1.5)..... Note: Salt water and regular cables are interchangeable with all probes.	230.31	9.19
46 82 83 00-3433 EA 22.9', IQ Sensor Connection Cable (YSI 480 042Y, SACIQ-7.0)..... Note: Salt water and regular cables are interchangeable with all probes.	261.95	9.19
46 82 83 00-3434 EA 49.2', IQ Sensor Connection Cable (YSI 480 044Y, SACIQ-15.0)..... Note: Salt water and regular cables are interchangeable with all probes.	337.26	18.38



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3435 EA 65.6', IQ Sensor Connection Cable For Salt Water With SACIQ-Plug (YSI 480 045Y, SACIQ-20.0 SW).....	374.17	18.38
Note: Salt water and regular cables are interchangeable with all probes.		
46 82 83 00-3436 EA 82', IQ Sensor Connection Cable For Salt Water With SACIQ-Plug (YSI 480 066Y, SACIQ-25.0 SW) .....	621.95	18.38
Note: Salt water and regular cables are interchangeable with all probes.		
46 82 83 00-3437 EA 164', IQ Sensor Connection Cable For Salt Water With SACIQ-Plug (YSI 480 060Y, SACIQ-50.0 SW).....	785.38	18.38
Note: Salt water and regular cables are interchangeable with all probes.		
46 82 83 00-3438 EA 246', IQ Sensor Connection Cable For Salt Water With SACIQ-Plug (YSI 480 067Y, SACIQ-75.0 SW).....	923.99	27.57
Note: Salt water and regular cables are interchangeable with all probes.		
46 82 83 00-3439 EA 328', IQ Sensor Connection Cable For Salt Water With SACIQ-Plug (YSI 480 062Y, SACIQ-100.0 SW).....	1,137.10	27.57
Note: Salt water and regular cables are interchangeable with all probes.		
46 82 83 00-3440 EA Special Order IQ Sensor Connection Cable (YSI 480 041VY, SACIQ-SO) .....	284.09	9.19
Note: In increments up to 100 meters. Salt water and regular cables are interchangeable with all probes.		
46 82 83 00-3441 M Special Order IQ Sensor Connection Cable (YSI 480 041VY, SACIQ-SO) PER METER .....	8.56	0.46
46 82 83 00-3442 EA Screw-in Protective Plug For SACIQ Sensor Cables (YSI 480 065Y, SACIQ-Plug).....	52.12	9.19
Note: Salt water and regular cables are interchangeable with all probes.		
46 82 83 00-3443 M Two Wire, With Shield, IQ Cable (YSI 480 046YM-XX, SNCIQ).....	16.73	0.46
Note: Salt water and regular cables are interchangeable with all probes.		
46 82 83 00-3444 EA 820' Two Wire, With Shield, IQ Cable (YSI 480 070Y, SNCIQ-250).....	3,305.40	18.38
Note: Salt water and regular cables are interchangeable with all probes.		
46 82 83 00-3445 EA 1640' Two Wire, With Shield, IQ Cable (YSI 480 072Y, SNCIQ-500).....	4,420.35	27.57
Note: Salt water and regular cables are interchangeable with all probes.		
46 82 83 00-3446 EA 3281' Two Wire, With Shield, IQ Cable (YSI 480 074Y, SNCIQ-1000).....	7,122.71	36.76
Note: Salt water and regular cables are interchangeable with all probes.		
<b>46 82 83 00-3447 Mounting Hardware</b> <small>(46 82 83 00-3225)</small>		
46 82 83 00-3448 EA Quick Release Stainless Steel Handrail Mounting Bracket For Sensors (YSI 245 8000Y, SMK) .....	461.23	9.19
Note: 1-1/2" PVC couplers and end cap. Comprised of part 2458038Y and part numbers 559327-2Y, 559327-4Y and 559327-7Y.		
46 82 83 00-3449 EA Quick Release Stainless Steel Handrail Mounting Bracket For Sensors (YSI 245 8038M).....	438.03	9.19
46 82 83 00-3450 EA Quick Release Stainless Steel Handrail Mounting Bracket For IFL, UV And UV-VIS Sensors (YSI 245 8039Y) .....	387.42	9.19
Note: For use with 3/4" galvanized pipe. Used with IFL-D for IFL sensor mounting. Used with 109 362Y for UV and UV-VIS sensors.		
46 82 83 00-3451 EA Sensor Coupling For SACIQ Sensor Cable (YSI 559327-2Y).....	171.27	9.19
Note: Up to 1-1/2" Schedule 80 PVC pipe.		
46 82 83 00-3452 EA Slotted End Cap For Sensor Mounting Kit (YSI 559327-4Y).....	129.09	9.19
46 82 83 00-3453 EA PVC Coupler For Sensor Mounting Kit (YSI 559327-7Y, ).....	55.28	9.19
46 82 83 00-3454 EA Float With Pendulum Mounting Assembly (YSI 108 540Y, S 200).....	1,315.29	9.19
Note: Requires one 109 232Y and one 109 320Y.		
46 82 83 00-3455 EA Float With Pendulum Mounting Assembly For Two IQ 40 mm Diameter Probes (YSI 108 542Y, S 200/2).....	1,863.58	9.19
Note: Requires one 109 232Y and one 109 320Y per sensor.		
46 82 83 00-3456 EA Float With Pendulum Mounting Assembly For Four IQ 40 mm Diameter Probes (YSI 108 544Y, S 200/4) .....	1,854.45	9.19
Note: Requires one 109 232Y and one 109 320Y per sensor.		
46 82 83 00-3457 EA Horizontal Mounting Kit For Mounting UV And UV/VIS Probes Onto S 200 Float (YSI 481 080Y, VIS Set-F) .....	345.24	9.19
Note: Used with UV, UV/VIS.		
46 82 83 00-3458 EA Sensor Weight Ring (YSI 109 232Y, GWA).....	324.16	9.19
Note: Needed for S 200 float.		
46 82 83 00-3459 EA Single Sensor Holder, Chain Style Mounting (YSI 109 320Y, EH/U 170) .....	197.63	9.19
Note: Need either 109 272Y or 109 273Y, and either 109 278Y or 109 279Y.		
46 82 83 00-3460 EA Twin Sensor Holder, Chain Style Mounting (YSI 109 323Y, EH2/U 170) .....	255.62	9.19
Note: Need either 109 272Y or 109 273Y, and one of either 109 280Y, 109 281Y or 109 283Y.		
46 82 83 00-3461 EA Triple Sensor Holder, Chain Style Mounting (YSI 109 325Y, EH3/U 170) .....	329.43	9.19
Note: Need either 109 272Y or 109 273Y, and one of either 109 280Y, 109 281Y or 109 283Y.		
46 82 83 00-3462 EA SensoClean Pendulum Mounting Assembly With Adjustable Boom (YSI 109 270Y, EH/P 170) .....	540.31	9.19
46 82 83 00-3463 EA 1.5 m Boom Length, SensoClean Swing Mounting Assembly (YSI 109 272Y, EH/F 170-1.5) .....	208.17	9.19
46 82 83 00-3464 EA 2.5 m Boom Length, SensoClean Swing Mounting Assembly (YSI 109 273Y, EH/F 170-2.5) .....	345.24	9.19
46 82 83 00-3465 EA Replacement Chain Slide For EH/F 170 (YSI 109 291Y, CHS).....	122.77	9.19
Note: Used with IFL/UV/ UVVIS. Included with the purchase of EH/F 170.		
46 82 83 00-3466 EA Fixture Assembly For Direct Wall Mounting (YSI 109 274Y, EH/W 170) .....	687.92	9.19
Note: Used with UA sensor holder, order separately.		
46 82 83 00-3467 EA Clamp Fixture For Direct Masonry Mounting Of Boom (YSI 109 276Y, BE/M 170) .....	288.31	9.19
46 82 83 00-3468 EA No Pivot, Boom Or Pendulum Pipe Mount (YSI 109 278Y, BE/R 170) .....	255.62	9.19
Note: Do not use if using a twin or triple sensor holder. Use BE/ST 170, -M, -R instead.		
46 82 83 00-3469 EA With Pivot, Boom Or Pendulum Pipe Mount (YSI 109 279Y, BE/R 170-D).....	260.89	9.19
Note: Do not use if using a twin or triple sensor holder. Use BE/ST 170, -M, -R instead.		
46 82 83 00-3470 EA Vario Concrete Floor Mounting Stand (YSI 109 280Y, BE/ST 170).....	767.00	9.19
Note: For mounting a EH/F 170 swing or EH/P 170 pendulum assembly. Supplied with joint-locking fixture to accommodate a swing or pendulum probe mount and two brackets for attaching a sun shield. Includes aluminum die cast base, wall plugs and screws.		
46 82 83 00-3471 EA Vario Vertical Or Horizontal Pipe Rail Mounting Stand (YSI 109 281Y, BE/ST 170-R).....	731.15	9.19
Note: For mounting a EH/F 170 swing or EH/P 170 pendulum assembly. Supplied with joint-locking fixture to accommodate a swing or pendulum probe mount and two brackets for attaching a sun shield.		
46 82 83 00-3472 EA Vario Wall Mounting Stand (YSI 109 283Y, BE/ST 170-M).....	703.74	9.19
Note: For mounting a EH/F 170 swing or EH/P 170 pendulum assembly. Supplied with joint-locking fixture to accommodate a swing or pendulum mounting assembly and two brackets for attaching a sun shield.		
46 82 83 00-3473 EA Pipe Bracket (YSI 109 289Y, MS/RKH 170) .....	182.87	9.19
Note: For Installing Second Sensor Onto EH/P 170. Two required per sensor.		
46 82 83 00-3474 EA Double Junction Clamp (YSI 109 290Y, MS/KK 170) .....	324.16	9.19
Note: For mounting additional EH/F or EH/P to a Vario mounting stand BE/ST 170-X.		
46 82 83 00-3475 EA Shackle For Chain Fitting (YSI 505 123Y, S/CH).....	43.16	9.19
46 82 83 00-3476 EA Chain (YSI 505 124Y-XX, CH/1) .....	44.74	9.19
46 82 83 00-3477 M Chain (YSI 505 124Y-XX, CH/1) PER METER .....	20.94	0.46

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3478 EA One On-Line Sensor Installation Set (YSI 109 304Y, IN/SET1).....	1,020.06	9.19
Note: Supplied with single sensor holder EH/U 170; SensoClean swing mounting EH/F 170-1,5; Vario floor mounting BE/ST 170; and sun shield SSH/IQ.		
46 82 83 00-3479 EA Two On-Line Sensors Installation Set (YSI 109 305Y, IN/SET2).....	1,072.78	9.19
Note: Supplied with twin Sensor holder EH/U 170; SensoClean swing mounting EH/F 170-1,5; Vario floor mounting BE/ST 170; and sun shield SSH/IQ.		
46 82 83 00-3480 EA Three On-Line Sensors Installation Set (YSI 109 306Y, IN/SET3).....	1,093.87	9.19
Note: Supplied with triple Sensor holder EH/U 170; SensoClean swing mounting EH/F 170-1,5; Vario floor mounting BE/ST 170; and sun shield SSH/IQ.		
46 82 83 00-3481 EA IFL Sensor Deflector Plate (YSI 481 206Y, IFL-E).....	345.24	9.19
Note: Used with IFL. Deployable on railing, angled to clear obstructions. Used with IFL-E (481 206Y), order separately. Requires user-supplied 1" diameter pipe.		
46 82 83 00-3482 EA Vertical IFL Sensor Rail Mount (YSI 481 208Y, IFL-PM).....	324.16	9.19
Note: Deployable at railing posts. Used with IFL-E (481 206Y), order separately. Requires user supplied 1" diameter pipe.		
46 82 83 00-3483 EA Angled IFL Sensor Rail Mount (YSI 481207Y, IFL-RM).....	977.88	9.19
Note: Used with IFL. Deployable on railing, angled to clear obstructions. Used with IFL-E (481 206Y), order separately. Requires user supplied 1" diameter pipe.		
46 82 83 00-3484 EA Extended, Pivot, IFL, UV And UV/VIS Wall Mount (YSI 109360Y, EHW 171).....	724.83	9.19
Note: Used with IFL/UV/ UVVIS. Requires 109 362Y (ordered separately) and customer supplied 3/4" diameter pipe.		
46 82 83 00-3485 EA Fixed, IFL, UV And UV/VIS Wall Mount (YSI 109361Y, EHW 172).....	276.71	9.19
Note: Used with IFL/UV/ UVVIS. Requires 109 362Y (ordered separately) and customer supplied 3/4" diameter pipe.		
46 82 83 00-3486 EA Side Arm, Fixed, IFL, UV And UV/VIS Wall Mount (YSI 109 365Y, EHW 173).....	556.12	9.19
Note: Used with IFL/UV/ UVVIS. Requires 109 362Y (ordered separately) and customer supplied 3/4" diameter pipe.		
46 82 83 00-3487 EA IFL, UV And UV/VIS Sensor Holder For EH/W Wall Mounts (YSI 109362Y, EHWB).....	292.52	9.19
Note: Used with IFL/UV/ UVVIS. Used with 109 361Y, 109 360Y and 109 365Y and customer supplied 3/4" diameter pipe.		
46 82 83 00-3488 EA EH/W 170, 171, 172 And 173 Wall Rail Connection Mount (YSI 109 366Y, EHW RM).....	672.11	9.19
Note: Used with IFL/UV/ UVVIS.		
<b>46 82 83 00-3489 Sensor Cleaning Components (46 82 83 00-3225)</b>		
46 82 83 00-3490 EA Solenoid Valve Option For Plant Supplied Air, Cleaner Head Valve Module (YSI 480 018Y, MIQ/CHV Plus).....	851.06	45.95
Note: For use w/ 2020XT systems. Requires part #900 107Y in conjunction with either 480 018Y or 480 017Y.		
46 82 83 00-3491 EA System 182 Cleaning Head Valve Module (YSI 472 007Y, DIQ/CHV).....	640.18	45.95
Note: For use with plant supplied air. Uses one relay contact for operation.		
46 82 83 00-3492 EA Cleaning Head With 15 Meters Of Tubing (YSI 900 107Y, CH).....	592.73	45.95
46 82 83 00-3493 EA Cleaning Air Box (YSI 480 017Y).....	1,736.75	45.95
Note: You need part #900 107Y in conjunction with either 480 018Y or 480 017Y. Order 109 286Y and 109 295Y separately for mounting the 480 017Y onto handrail. Uses one relay contact for operation.		
46 82 83 00-3494 EA Cleaning Head Spare Part Set (YSI 900 111Y, CH/Epack).....	84.15	
46 82 83 00-3495 EA Mounting Into Cleaning Air Box Or In Flow-Thru Adapter EBST-700 DU/ND Check Valve (YSI 480 029Y, BPV).....	155.45	9.19
<b>46 82 83 00-3496 Sensor Extensions And Holders (46 82 83 00-3225)</b>		
46 82 83 00-3497 EA 550 mm Sensor Holder With PVC Extension Assembly (YSI 109 260Y, UA 55).....	366.33	9.19
46 82 83 00-3498 EA 1,300 mm Sensor Holder With PVC Extension Assembly (YSI 109 261Y, UA 130).....	408.51	9.19
46 82 83 00-3499 EA Probe Extension Assembly (YSI 109 263VY, UA-SO).....	329.43	9.19
Note: For mounting 70X IQ probes. Includes handle and set of seals. Length selectable between 0.25 and 2.60 meters in 0.05 meter increments.		
46 82 83 00-3500 M Probe Extension Assembly (YSI 109 263VY, UA-SO) PER METER.....	101.08	0.46
46 82 83 00-3501 EA O-Ring Seals Spare Set (YSI 109 265Y, UA/DS).....	94.90	
Note: For UA 55, UA 130.		
46 82 83 00-3502 EA Sensor Holder With Handle (YSI 109 320Y, EH/U 170).....	218.72	9.19
Note: For IQ sensors.		
46 82 83 00-3503 EA European Style Mounting, Seawater Applications, Single Sensor Holder (YSI 109 317Y, EH/SW).....	150.18	9.19
46 82 83 00-3504 EA Two Sensor Holder With Handle (YSI 109 323Y, EH2/U 170).....	303.07	9.19
46 82 83 00-3505 EA Three Sensor Holder With Handle (YSI 109 325Y, EH3/U 170).....	376.88	9.19
<b>46 82 83 00-3506 Flow-Thru Vessels And Adapters (46 82 83 00-3225)</b>		
46 82 83 00-3507 EA IQ SensorNet Multi-Sensor PVC Flow-Thru Vessel (YSI 203 745Y, D700/N).....	1,668.22	45.95
Note: For unpressurized applications. D 700/N can accommodate one TriOxmatic and one SensoLyt SE/DW/EC/Pt. TetraCon 700 IQ can be substituted for TriOxmatic.		
46 82 83 00-3508 EA Flow-Thru Cell For Continuous D.O. Measurement With TriOxmatic Sensors (YSI 203 747Y, D 702/N).....	1,515.33	45.95
Note: For ppb range with 702 (IQ).		
46 82 83 00-3509 EA IQ Multi-Probe Flow-Thru Vessel (YSI 203 749Y, DMS/N).....	3,360.53	45.95
Note: Accommodates up to four 1.57" diameter IQ probes.		
46 82 83 00-3510 EA Metric Bushing (YSI 203 751Y, EBS 700-DU/N).....	239.80	9.19
Note: Component of 203 753Y.		
46 82 83 00-3511 EA 2" PVC Pipe Bushing (YSI 203 751USY, EBS 700-DU/N-US).....	329.43	9.19
Note: Component of 203 753USY.		
46 82 83 00-3512 EA On-Line Sensors, 2" PVC Pipe Mounting Assembly (YSI 203 753USY, EBST 700-DU/N-US).....	371.60	9.19
Note: Requires adaptor 203 777Y and/or 203 789Y.		
46 82 83 00-3513 EA IQ Sensors, 2" PVC Pipe Mounting Assembly (YSI 203 754USY, EBST 700-DU/ND-US).....	677.38	9.19
Note: With air pressure cleaning fittings. Requires adaptor.		
46 82 83 00-3514 EA 15 PSIG Maximum, Stainless Steel Weld-In Socket (YSI 203 755Y, ESS 700 VA/N).....	671.95	27.57
Note: 690/70X, IQ. Requires adaptor.		
46 82 83 00-3515 EA 145 PSIG Maximum, Stainless Steel Weld-In Socket (YSI 203 757Y, ESS 700 VA/10).....	814.30	27.57
Note: 690/70X, IQ. Requires adaptor.		
46 82 83 00-3516 EA Wye Flow-Thru Adapter For In-Line Measurements (YSI 203 758Y, EBST/SW).....	592.87	27.57
Note: Metric version. Salt water design. Used with 700 IQ/701 IQ probes. Requires 203 790Y.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3517 EA Adapter For Mounting pH/ORP, TriOxmatic DO And Conductivity IQ Probes In D 700/N Or DMS/N Flow-Thru Vessels (YSI 203 761Y, ADA-DF 1) .....	239.80	9.19
46 82 83 00-3518 EA Adaptor For Mounting DO Sensors TriOxmatic 702 IQ In D 702/N (YSI 203 771Y, ADA-DF-6).....	102.73	9.19
46 82 83 00-3519 EA Adapter For Mounting VisoTurb 700 IQ Probe In DMS/N Flow-Thru Vessel (YSI 203 773Y, ADA-DF 7).....	345.24	9.19
46 82 83 00-3520 EA Adaptor For 203 751Y, 203 753(US)Y, 203 755Y (YSI 203 777Y, ADA-DF-9).....	339.97	9.19
Note: All IQ sensors except UV/VIS, UV and FDO.		
46 82 83 00-3521 EA Adaptor For 203 757Y IQ Sensors (YSI 203 781Y, ADA-DF-11).....	354.73	9.19
46 82 83 00-3522 EA Adaptor For Mounting FDO 700 In D700/N (YSI 203 787Y, ADA-DF-14) .....	408.51	9.19
46 82 83 00-3523 EA Adaptor For Mounting FDO 700 In EBS 700-DU/N, EBST 700-DU/N, ESS 700 VA/N (YSI 203 789Y, ADA-DF-15).....	462.28	9.19
46 82 83 00-3524 EA Adaptor For 203 758Y (YSI 203 790Y, ADA-DF9/SW).....	328.37	9.19
Note: All IQ salt water version sensors except UV/VIS.		
46 82 83 00-3525 EA 145 PSIG Maximum, Retraction Assembly With Ball Valve (YSI 480 100Y, WA 700/10).....	3,111.84	27.57
Note: Requires 480104 or 480106. Also requires either 480108 or 480114.		
46 82 83 00-3526 EA Retraction Assembly With Ball Valve, 30 PSIG Maximum Pressure (YSI 480 102Y, WA 700/2).....	2,638.41	27.57
Note: Requires 480104 or 480106. Also requires either 480108, 480110, 480112, or 480114.		
46 82 83 00-3527 EA ST 33 Carbon Steel Weld-In Socket (YSI 480 104Y, ESS-WA 700/ST) .....	139.48	27.57
Note: For WA 700/2 and WA 700/10.		
46 82 83 00-3528 EA 316 Stainless Steel Weld-In Socket (YSI 480 106Y, ESS-WA 700/VA).....	155.30	27.57
Note: For WA 700/2 and WA700/10.		
46 82 83 00-3529 EA Adaptor For Mounting IQ Sensors In WA 700/2 And WA 700/10 (YSI 480 108Y, ADA-WA-1).....	181.81	9.19
46 82 83 00-3530 EA Adaptor For Mounting FDO 700 In WA 700/2 And WA 700/10 Retraction Assemblies (YSI 480 114Y, ADA-WA-4).....	324.16	9.19
46 82 83 00-3531 EA Blind Plug For Closing Weld In Socket Fittings ESS WA/ST And ESS WA/VA (YSI 480 116Y, WA/BV) .....	160.57	27.57
46 82 83 00-3532 EA O-Rings Spare Set For WA 700/2 And WA 700/10 (YSI 480 118Y, WA/Epack).....	46.99	
46 82 83 00-3533 EA Flow-Thru Vessel With Wall Mounting Holder And Fittings (YSI 480 080Y, VIS FT-1).....	2,053.37	9.19
Note: For UVVIS Sensors NitraVis®, CarboVis® And NiCaVis® 70X IQ (TS). For operation with automatic compressed air cleaning with cleaning and ventilation fitting.		
46 82 83 00-3534 EA Spare Parts Set For Flow-Thru Vessel (YSI 480 081Y, VIS FT-1/RS).....	49.18	
Note: Consisting of one 11 x 2 mm o-ring, two 14 x 2 mm o-rings, two 60 x 4 mm o-rings, one 8 x 2 mm o-ring, and one 1/4" piece seal disc.		
46 82 83 00-3535 EA Spare Parts Set For Old style UV-VIS Flow Thru Cell (YSI 480 061Y, VIS Flow-thru/Epack) .....	61.20	
46 82 83 00-3536 EA Flow Thru System For VisoTurb, ViSolid Sensors With EBST-700 DU/N With Barb Fittings (YSI 505 521Y, DFS/VisoTurb/TW) .....	713.06	27.57
<b>46 82 83 00-3537 Buffer Solutions</b> <small>(46 82 83 00-3225)</small>		
46 82 83 00-3538 EA pH 4 Buffer, Box Of 6 Pints (YSI 003821, 3821).....	126.53	
46 82 83 00-3539 EA pH 7 Buffer, Box Of 6 Pints (YSI 003822, 3822).....	126.53	
46 82 83 00-3540 EA pH 10 Buffer, Box Of 6 Pints (YSI 003823, 3823).....	126.53	
46 82 83 00-3541 EA Assorted pH Buffer, Box Of 6 Pints, 2 Each pH 4, 7 And 10 (YSI 603824, 3824).....	126.53	
46 82 83 00-3542 EA 125 mL ORP Calibrator, Zobell Solution (YSI 61320, 3682).....	69.59	
46 82 83 00-3543 EA 250 mL ORP Calibrator, Zobell Solution (YSI 61321).....	84.35	
46 82 83 00-3544 EA 500 mL ORP Calibrator, Zobell Solution (YSI 61322).....	104.39	
46 82 83 00-3545 EA Kit For Regeneration Of ORP Electrodes (YSI 109 730Y, SORT/RH).....	195.06	
Note: Reagent set for regenerating ORP platinum electrodes, comprising 10 gram activation powder and 30 gram chlorine powder.		
46 82 83 00-3546 EA 1 Gallon, Turbidity Standard For VisoTurb (YSI 607400, 6074).....	516.66	
Note: Requires 2nd day shipment in the winter as product is heat packed to avoid freezing.		
46 82 83 00-3547 EA 1,000 umhos/cm, 8 EA, Pint, Conductivity Calibrator (YSI 060907, 3167) .....	205.61	
Note: Requires 2nd day shipment in the winter as product is heat packed to avoid freezing.		
46 82 83 00-3548 EA 10,000 umhos/cm, 8 EA, Pint, Conductivity Calibrator (YSI 060911, 3168) .....	205.61	
Note: Requires 2nd day shipment in the winter as product is heat packed to avoid freezing.		
46 82 83 00-3549 EA 50,000 umhos/cm, 8 EA, Pint, Conductivity Calibrator (YSI 060660, 3169) .....	205.61	
Note: Requires 2nd day shipment in the winter as product is heat packed to avoid freezing.		
46 82 83 00-3550 EA 250 mL, 3 mol/L, KCl Solution (YSI 109 705Y, KCl-AgCl-250).....	53.77	
Note: For storing pH electrodes.		
46 82 83 00-3551 EA 1000 mL Low Concentration Standard Solution For VARiON Plus, AmmoLyt Plus, And NitraLyt Plus 700 IQ Probes (YSI 107 050Y, VARiON/ES-1) .....	79.08	
Note: Used for sensor check and storage.		
46 82 83 00-3552 EA 1000 mL High Concentration Standard For VARiON Plus, AmmoLyt Plus And NitraLyt Plus 700 IQ Probes (YSI 107 052Y, VARiON/ES-2) .....	89.62	
Note: Used for sensor check		
46 82 83 00-3553 EA For 5 mm UVVIS IQ SensorNet Probes, Low Concentration Sensor Check Standard (YSI 481 077Y, ST-1).....	89.62	
46 82 83 00-3554 EA For 1 mm UVVIS IQ SensorNet Probes, High Concentration Sensor Check Standard (YSI 481 078Y, ST-2).....	89.62	
<b>46 82 83 00-3555 P700 IQ Analyzers</b> <small>(46 82 83 00-3225)</small>		
46 82 83 00-3556 EA Indoor Version, Without Sample Pump, IQ SensorNet Orthophosphate Analyzer (YSI 8P-000Y, P 700 IQ-I115) .....	18,693.34	36.76
Note: 115 V. Requires connection to existing IQ SensorNet network OR 2020XT with MIQ/PS. Reagents and solutions sold separately.		
46 82 83 00-3557 EA Outdoor Version, Without Sample Pump, IQ SensorNet Orthophosphate Analyzer (YSI 8P-001Y, P 700 IQ-O115)....	19,929.10	36.76
Note: 115 V. Requires connection to existing IQ SensorNet network OR 2020XT with MIQ/PS. Reagents and solutions sold separately.		
46 82 83 00-3558 EA Indoor Version, Integrated Sample Pump, IQ SensorNet Orthophosphate Analyzer (YSI 8P-010Y, P 700 IQ-PI115).....	19,948.08	36.76
Note: 115 V. Requires connection to existing IQ SensorNet network OR 2020XT with MIQ/PS. Reagents and solutions sold separately.		
46 82 83 00-3559 EA Outdoor Version, Integrated Sample Pump, IQ SensorNet Orthophosphate Analyzer (YSI 8P-011Y, P 700 IQ-PO115) .....	20,430.99	36.76
Note: 115 V. Requires connection to existing IQ SensorNet network OR 2020XT with MIQ/PS. Reagents and solutions sold separately.		
<b>46 82 83 00-3560 Filtration For P 700 IQ</b> <small>(46 82 83 00-3225)</small>		

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3561 EA Filter Membrane Module (YSI 821 987Y, FM) ..... Note: With premounted membrane, P 700 IQ. Requires M 1.5 for mounting.	1,963.45	45.95
46 82 83 00-3562 EA Filter Mount (YSI 821 986Y, M 1.5)..... Note: P 700 IQ. Includes 4.9' rail, chain and bracket.	1,737.05	9.19
46 82 83 00-3563 EA Extension Attachment (YSI 821 985Y, M-EXT 1.5)..... Note: Used with M 1.5 mount, P 700 IQ filter. Includes 4.9' extension, chain and bracket.	1,410.19	9.19
46 82 83 00-3564 EA Horizontal Mount Adapter (YSI 821 983Y, FM-Adapter)..... Note: For filter membrane, P 700 IQ.	255.62	9.19
46 82 83 00-3565 EA Set Of 2 Filter Membranes (YSI 821 972Y, Filter)..... Note: For FM/FM-Case modules, P 700 IQ.	967.34	9.19
46 82 83 00-3566 EA Module Case For Filter Membrane (YSI 821 973Y, FM-Case)..... Note: Includes module case without filter membranes, P 700 IQ.	1,325.84	9.19
46 82 83 00-3567 EA Filter Membrane Cleaning Case, P 700 IQ (YSI 821 984Y, Filter-CL).....	110.71	
<b>46 82 83 00-3568 Tubing For P 700 IQ (46 82 83 00-3225)</b>		
46 82 83 00-3569 EA 2m Length, Blue Suction Line (YSI 821 961Y-2, SLB 2).....	68.04	2.35
46 82 83 00-3570 EA 5m Length, Blue Suction Line (YSI 821 961Y-5, SLB 5).....	104.95	2.35
46 82 83 00-3571 EA 10m Length, Blue Suction Line (YSI 821 961Y-10, SLB 10).....	226.20	2.35
46 82 83 00-3572 EA 20m Length, Blue Suction Line (YSI 821 961Y-20, SLB 20).....	331.64	2.35
46 82 83 00-3573 EA 16.2' Heated, 115 VAC, Suction Tube With Slide (YSI 821 981Y, SL 115-5)..... Note: For P 700 IQ.	1,584.01	27.57
46 82 83 00-3574 EA 33' Heated, 115 VAC, Suction Tube With Slide (YSI 821 979Y, SL 115-10)..... Note: For P 700 IQ.	2,719.91	55.13
46 82 83 00-3575 EA 66' Heated, 115 VAC, Suction Tube With Slide (YSI 821 959Y, SL 115-20)..... Note: For P 700 IQ.	4,622.67	110.27
46 82 83 00-3576 EA 16.2' Unheated, 115 VAC, Suction Tube With Slide (YSI 821 978Y, SL 5)..... Note: For P 700 IQ.	1,025.18	27.57
46 82 83 00-3577 EA 33' Unheated, 115 VAC, Suction Tube With Slide (YSI 821 977Y, SL 10)..... Note: For P 700 IQ.	1,185.76	55.13
46 82 83 00-3578 EA 66' Unheated, 115 VAC, Suction Tube With Slide (YSI 821 957Y, SL 20)..... Note: For P 700 IQ.	1,506.92	110.27
46 82 83 00-3579 EA 16.2' Heated, 115 VAC, Sample Return Line (YSI 821 975Y, RL 115-2)..... Note: For P 700 IQ.	487.43	27.57
46 82 83 00-3580 EA 33' Heated, 115 VAC, Sample Return Line (YSI 821 965Y, RL 115-10)..... Note: For P 700 IQ.	2,213.80	55.13
46 82 83 00-3581 EA 66' Heated, 115 VAC, Sample Return Line (YSI 821 955Y, RL 115-20)..... Note: For P 700 IQ.	4,237.81	110.27
46 82 83 00-3582 EA 16.2' Unheated, 115 VAC, Sample Return Line (YSI 821 974Y, RL 2)..... Note: For P 700 IQ.	120.50	27.57
46 82 83 00-3583 EA 33' Unheated, 115 VAC, Sample Return Line (YSI 821 964Y, RL 10)..... Note: For P 700 IQ.	425.54	55.13
46 82 83 00-3584 EA 66' Unheated, 115 VAC, Sample Return Line (YSI 821 954Y, RL 20)..... Note: For P 700 IQ.	642.31	110.27
<b>46 82 83 00-3585 Mounting For P 700 IQ (46 82 83 00-3225)</b>		
46 82 83 00-3586 EA Wall Mount (YSI 821 989Y, WM)..... Note: For P 700 IQ.	339.97	9.19
46 82 83 00-3587 EA Stand Mount (YSI 821 991Y, SM)..... Note: For P 700 IQ.	1,399.64	9.19
46 82 83 00-3588 EA Rail Mount (YSI 821 988Y, RM)..... Note: For P 700 IQ.	1,478.72	9.19
<b>46 82 83 00-3589 Reagents And Solutions For P 700 IQ (46 82 83 00-3225)</b>		
46 82 83 00-3590 EA 2.5 L Reagent (Pack Inst. 851) (YSI 821 999Y, RE 2.5)..... Note: For P 700 IQ.	126.53	
46 82 83 00-3591 EA 1 L Cleaning Solution (Pack Inst 851) (YSI 821 998Y, CL 1.0)..... Note: For P 700 IQ.	68.54	
46 82 83 00-3592 EA 0.0 mG/L PO4-P, 1 L Standard Solution (YSI 821 971Y, ST 0.0)..... Note: For P 700 IQ.	68.54	
46 82 83 00-3593 EA 1.6 mG/L PO4-P, 1 L Standard Solution (YSI 821 997Y, ST 1.6)..... Note: For P 700 IQ.	68.54	
46 82 83 00-3594 EA 8.0 mG/L PO4-P, 1 L Standard Solution (YSI 821 996Y, ST 8.0)..... Note: For P 700 IQ.	68.54	
46 82 83 00-3595 EA 20.0 mG/L, PO4-P, 1 L Standard Solution (YSI 821 995Y, ST 20.0)..... Note: For P 700 IQ.	68.54	
<b>46 82 83 00-3596 Replacement Parts For P 700 IQ (46 82 83 00-3225)</b>		
46 82 83 00-3597 EA Holder For Sensor Clamp (YSI 012995).....	73.02	9.56
46 82 83 00-3598 EA Pendulum Head (YSI 012996).....	182.32	9.56
46 82 83 00-3599 EA Weight (YSI 013063GV).....	165.92	9.56
46 82 83 00-3600 EA IQ TriOxmatic, Sensor Guard (YSI 013344).....	29.31	9.56
46 82 83 00-3601 EA IQ SensoLyt 700, Sensor Guard (YSI 013699).....	138.60	9.56
46 82 83 00-3602 EA Clamping Wedge (YSI 014631).....	15.34	
46 82 83 00-3603 EA Clamping Wedge With Threads (YSI 014632).....	15.34	
46 82 83 00-3604 EA Rubber Contact Cover (YSI 018082).....	3.28	
46 82 83 00-3605 EA Contact Cover, Label (YSI 018371).....	4.37	
46 82 83 00-3606 EA Spare Hardware Kit (YSI 018544).....	49.18	
46 82 83 00-3607 EA MIQ/CHV, Spare Hardware Kit (YSI 018893).....	34.97	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3608	EA			CH Cleaning Head, Sensor Coupling Ring (YSI 018897).....	79.58	9.56
46 82 83 00-3609	EA			Sensor Retaining Ring (YSI 019121).....	72.17	
46 82 83 00-3610	EA			Sensor Receiving Tube (YSI 019124).....	354.14	
46 82 83 00-3611	EA			Sensor Clamps (YSI 021154).....	29.31	9.56
46 82 83 00-3612	EA			FDO Sensor Cap Locking Ring (YSI 022470).....	26.27	
46 82 83 00-3613	EA			MIQ/Blue PS Terminating Resistor Kit (YSI 022474).....	4.37	
46 82 83 00-3614	EA			Rubber, Shock Protectors (YSI 026569).....	136.61	
46 82 83 00-3615	EA			pH And ORP Storage Cap (YSI 108065).....	40.24	9.56
46 82 83 00-3616	EA			CHS, Chain Slide (YSI 109 291Y, CHS).....	61.64	
46 82 83 00-3617	EA			12.5mm Outside Diameter, Steel, Washer (YSI BLS1-A0640030).....	8.55	
46 82 83 00-3618	EA			M8x40, Clamping Lever (YSI MOT3-41004080).....	26.04	
46 82 83 00-3619	EA			M8x50, Clamping Lever (YSI MOT3-41005080).....	26.04	
46 82 83 00-3620	EA			Plastic, Sunshield To Pipe Mount, Clamp Block (YSI MOT3-45500000).....	29.31	9.56
46 82 83 00-3621	EA			Stand To Wall Mount, Clamp Block (YSI MOT3-4500010).....	51.17	9.56
46 82 83 00-3622	EA			TriOxmatic, Grey, Storage Cap (YSI MOT7-20000000).....	9.64	
46 82 83 00-3623	EA			Black, Storage Cap (YSI MOT7-20040000).....	24.94	9.56
46 82 83 00-3624	EA			O-Ring (YSI ORI2-46004004).....	7.69	
46 82 83 00-3625	EA			UV And UV/VIS Maintenance Sleeve, O-Ring (YSI ORI4-60004003).....	9.87	
46 82 83 00-3626	EA			WA700/2 And WA 700/10, O-Ring (YSI ORI2-36501004).....	12.06	
46 82 83 00-3627	EA			ISE Electrode Installation Tool (YSI REP4-90005009).....	10.93	
46 82 83 00-3628	EA			Locking Ring (YSI RSZ1-10400000).....	37.20	
46 82 83 00-3629	EA			UA Sensor Extensions, Coupling Ring (YSI RSZ1-11440000).....	26.27	
46 82 83 00-3630	EA			11.8 mm Outside Diameter, Stainless Steel, Lock Waster (YSI SIS1-B0600030).....	7.69	
46 82 83 00-3631	EA			M5 x 60mm, Allen Head Bolt (YSI SRK4-00506030).....	6.60	
46 82 83 00-3632	EA			M6 x 20mm, Allen Head Bolt (YSI SRK4-00602030).....	7.69	
46 82 83 00-3633	EA			M6 x 110mm, Allen Head Bolt (YSI SRK5-00611030).....	9.87	
46 82 83 00-3634	EA			Module Door Screw (YSI SRS2-00300840).....	8.78	
46 82 83 00-3635	EA			Replacement Air Intake Filter (YSI 480 026Y, AF/CAB).....	67.56	
46 82 83 00-3636	EA			Replacement Membrane (YSI 480 027Y, RM/CAB).....	165.92	
46 82 83 00-3637	EA			Replacement Photometer Unit (YSI 821 990Y, LED).....	305.78	
46 82 83 00-3638	EA			Replacement Filter For Ventilation (YSI 821 969Y, Filter REP).....	68.54	
46 82 83 00-3639	EA			Replacement Peristaltic Pump Motor (YSI 821 994Y, PM).....	469.21	
46 82 83 00-3640	EA			Replacement Analyzer Pump Tubing (YSI 821 993Y, PT).....	126.53	
46 82 83 00-3641	EA			Replacement Fittings And Tubes For Photometric Unit (YSI 821 992BY, T SET).....	347.95	
46 82 83 00-3642	EA			Replacement Set Of Solution Bottle Caps With Tubing (YSI 821 970Y, ST-BT).....	73.81	
<b>46 82 83 00-3643</b>				<b>Start Up And Training (46 82 83 00-3225)</b>		
46 82 83 00-3644	DAY			YSI Start Up And Training.....	1,054.40	
<b>46 82 83 00-3645</b>				<b>Environmental Water Monitoring (46 82 83 00-0001)</b>		
<b>46 82 83 00-3646</b>				<b>Environmental Water Monitoring (Teledyne Isco) (46 82 83 00-3645)</b>		
<b>46 82 83 00-3647</b>				<b>Environmental Water Monitoring Products (Teledyne Isco) (46 82 83 00-3646)</b>		
46 82 83 00-3648	EA			6712 Full-size Portable Sampler. Includes controller, top cover, center section, base, distributor arm, two pump tubes, instruction manual, and pocket guide. For 6712 Samplers (Teledyne Isco 686710070).....	4,533.14	269.83
				Note: Does not include bottle configuration kit.		
46 82 83 00-3649	EA			6712 Portable Sampler with Jumbo Base. Includes controller, top cover, center section, jumbo base, tube guide, two pump tubes, two discharge tubes, instruction manual, and pocket guide. (Teledyne Isco 686710082).....	4,533.14	269.83
				Note: Does not include bottle configuration kit.		
46 82 83 00-3650	EA			6712C Compact Portable Sampler. Includes controller, top cover, center section, base, distributor arm, two pump tubes, instruction manual, and pocket guide. (Teledyne Isco 686710071).....	4,381.78	260.83
				Note: Does not include bottle configuration kit.		
46 82 83 00-3651	EA			6712C Compact Portable Sampler with Mini Base. Includes controller, top cover, center section, mini base, distributor arm, instruction manual, and pocket guide. (Teledyne Isco 686710141).....	4,381.78	260.83
				Note: Does not include bottle configuration kit.		
46 82 83 00-3652	EA			6712FR Refrigerated Sampler (120 VAC, 60 Hz). Includes controller, refrigeration unit, distributor arm, two pump tubes, instruction manual, and pocket guide. (Teledyne Isco 686710072).....	8,622.14	513.24
				Note: Does not include bottle configuration kit.		
46 82 83 00-3653	EA			6712FR Refrigerated Sampler (230 VAC, 50 Hz). Includes controller, refrigeration unit, distributor arm, two pump tubes, instruction manual, and pocket guide. (Teledyne Isco 686710073).....	8,622.14	513.24
				Note: Does not include bottle configuration kit.		
46 82 83 00-3654	EA			6712FR Refrigerated Sampler (120 VAC, 60 Hz) with temperature logging. Includes controller, refrigeration unit, distributor arm, two pump tubes, instruction manual, and pocket guide. (Teledyne Isco 686710144).....	8,932.29	531.70
				Note: Does not include bottle configuration kit.		
46 82 83 00-3655	EA			6712FR Refrigerated Sampler (230 VAC, 50 Hz) with temperature logging. Includes controller, refrigeration unit, two pump tubes, distributor arm, instruction manual, and pocket guide. (Teledyne Isco 686710145).....	8,932.29	531.70
				Note: Does not include bottle configuration kit.		
46 82 83 00-3656	EA			6712 Sampler controller only. Includes two pump tubes, instruction manual, and pocket guide. (Teledyne Isco 686710074).....	3,777.61	224.87
46 82 83 00-3657	EA			Internal three channel 4-20 mA programmable output for Avalanche and 6700 Series sampler. Includes multi-analog output cable, 10 ft. (Teledyne Isco 609004266).....	956.50	56.94
				Note: Cannot be installed if using internal voice modem.		
46 82 83 00-3658	EA			Voice Modem for Avalanche and 6700 Series Sampler. Includes Remote Phone Command software for control of the sampler's operation and a 12 ft. modem cable. (Teledyne Isco 686700139).....	882.06	52.50
				Note: Not available if using Internal three channel 4-20 mA programmable output option, contact Spa department for external modem options.		
46 82 83 00-3659	EA			Program lock software for Avalanche, 6700 Series, GLS and Glacier samplers. (Teledyne Isco 609003532).....	106.01	
46 82 83 00-3660	EA			24-bottle Configuration for 6700 Series Full-size Portable Sampler. Includes 24 polypropylene 1-liter bottles with caps, bottle retaining ring, and two discharge tubes. (Teledyne Isco 686700006).....	264.25	15.73

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3661	EA		24-bottle Configuration for 6700 Series Full-size Portable Sampler. Includes 24 Glass 350-ml round bottles with PTFE lined caps, bottle retaining ring, and two discharge tubes. (Teledyne Isco 686700007).....	428.00	25.48
46 82 83 00-3662	EA		ProPak Configuration Kit for 6700 Full-size Samplers. Includes 25 holders and caps, 1,000 1-liter bags, retaining ring, two discharge tubes, and instruction sheet. (Teledyne Isco 686700105) .....	1,133.90	67.50
46 82 83 00-3663	EA		12-bottle Configuration for 6700 Series Full-size Portable Sampler. Includes twelve polypropylene 1-liter round bottles with caps, base locating insert, bottle retaining ring, and two discharge tubes. (Teledyne Isco 686700008).....	516.09	30.72
46 82 83 00-3664	EA		12-bottle Configuration for 6700 Series Full-size Portable Sampler. Includes twelve glass 950-ml round bottles with PTFE lined caps, base locating insert, bottle retaining ring, and two discharge tubes. (Teledyne Isco 686700009) .....	573.16	34.12
46 82 83 00-3665	EA		8-bottle Configuration for 6700 Series Full-size Portable Sampler. Includes eight polyethylene 2-liter round bottles with caps, base locating insert, bottle retaining ring, and two discharge tubes. (Teledyne Isco 686700010).....	452.82	26.96
46 82 83 00-3666	EA		8-bottle Configuration for 6700 Series Full-size Portable Sampler. Includes eight glass 1.8-liter round bottles with PTFE lined caps, base locating insert, bottle retaining ring, and two discharge tubes. (Teledyne Isco 686700011).....	579.35	34.48
46 82 83 00-3667	EA		4-bottle Configuration for 6700 Series Full-size Portable Sampler. Includes four polypropylene 1-gallon round bottles with caps, bottle locating rack, and two discharge tubes. (Teledyne Isco 686700012).....	409.40	24.37
46 82 83 00-3668	EA		4-bottle Configuration for 6700 Series Full-size Portable Sampler. Includes four glass 1-gallon round bottles with PTFE lined caps, bottle locating rack, and two discharge tubes. (Teledyne Isco 686700013) .....	485.06	28.88
46 82 83 00-3669	EA		Single-bottle Configuration for 6700 Series Full-size Portable Sampler. Includes one polyethylene 2.5-gallon (10-liter) round bottle with cap, tube guide, and two discharge tubes. (Teledyne Isco 686700014).....	227.03	13.51
46 82 83 00-3670	EA		Single-bottle Configuration for 6700 Series Full-size Portable Sampler. Includes one glass 2.5-gallon (9.5-liter) round bottle with PTFE lined cap, tube guide, and two discharge tubes. (Teledyne Isco 686700015).....	227.03	13.51
46 82 83 00-3671	EA		Single ProPak Configuration for 6700 Series Full-size Portable Sampler. Includes one composite ProPak holder with cap, 100 ProPak bags, tube guide, O-ring, two discharge tubes and an instruction sheet. (Teledyne Isco 686700149) .....	339.92	20.23
46 82 83 00-3672	EA		Single-bottle Configuration for 6700 Series Full-size Portable Sampler. Includes one polyethylene 4-gallon (15-liter) round bottle with cap, tube guide, and two discharge tubes. (Teledyne Isco 686700080).....	227.03	13.51
46 82 83 00-3673	EA		Single-bottle Configuration for 6700 Series Full-size Portable Sampler with jumbo base. Includes one 20 liter round glass bottle, one closure cap and two discharge tubes. (Teledyne Isco 686700078).....	409.40	24.37
46 82 83 00-3674	EA		Single-bottle Configuration for 6700 Series Full-size Portable Sampler with jumbo base. Includes one polyethylene 5.5-gallon (20.8-liter) bottle with cap, and two discharge tubes. (Teledyne Isco 686700084).....	239.44	14.25
46 82 83 00-3675	EA		6700 Series Full-size Portable Sampler Standard Base. (Teledyne Isco 609004052).....	452.82	26.96
46 82 83 00-3676	EA		6700 Series Full-size Portable Sampler Jumbo Composite Base. (Teledyne Isco 609004194) .....	610.38	36.33
46 82 83 00-3677	EA		Note: Only for use with 68-6700-078 and 68-6700-084. 6700 Series Compact and Full-size Portable Samplers and Refrigerated Sampler Distributor arm. (Teledyne Isco 609004050) .....	94.29	5.60
46 82 83 00-3678	EA		6700 Series Full-size Portable Sampler Composite tube guide. (Teledyne Isco 609004051).....	81.88	4.87
46 82 83 00-3679	EA		Three-point Sampler Suspension Harness for full-size and compact non-refrigerated samplers except GLS. (Teledyne Isco 601394014) .....	69.47	4.14
46 82 83 00-3680	EA		Note: For GLS use part number 602954033. Locking harness for 3700 and 6712 full size samplers. (Teledyne Isco 686700134).....	132.75	7.90
46 82 83 00-3681	EA		ProHanger for 18 - 24 inch manhole. Stainless steel bracket for suspending equipment in manhole. (Teledyne Isco 692003599).....	560.75	33.38
46 82 83 00-3682	EA		6712Ci modem module with 60-2004-550 dual band magnetic mount antenna. (Teledyne Isco 605324172).....	2,710.71	161.36
46 82 83 00-3683	EA		USB Communication Cable, 10 ft. (3 m). (Teledyne Isco 602004508).....	298.99	17.80
46 82 83 00-3684	EA		Note: Connects 4100, 4200 Series Flow Meters and 6700 Series/Avalanche Samplers to PC with USB connector. For custom length version, order this product in tandem with cut-to-length interrogate port extension cable, 60-5314-578 (maximum length 200 ft). 1-liter polypropylene wedge-shaped bottles with caps - quantity 24 (Teledyne Isco 682100007).....	188.57	11.23
46 82 83 00-3685	EA		1-liter polypropylene wedge-shaped bottles with caps - quantity 100 (Teledyne Isco 683700046).....	591.76	35.22
46 82 83 00-3686	EA		1-liter polypropylene wedge-shaped bottles with caps, quantity 500 (Teledyne Isco 683700047).....	1,838.56	109.44
46 82 83 00-3687	EA		Caps for 1-liter polypropylene wedge-shaped bottles - quantity 100 (Teledyne Isco 602100010).....	72.13	
46 82 83 00-3688	EA		Bottle Retaining Ring for 24 1-liter wedge-shaped polypropylene bottles (Teledyne Isco 609003242) .....	58.31	3.47
46 82 83 00-3689	EA		350-ml glass round bottles with PTFE lined caps - quantity 24 (Teledyne Isco 682100001) .....	378.38	22.53
46 82 83 00-3690	EA		350-ml glass round bottles with PTFE lined caps - quantity 100 (Teledyne Isco 683700048) .....	1,385.74	82.49
46 82 83 00-3691	EA		PTFE lined caps for 350-ml glass bottles - quantity 100 (Teledyne Isco 602100003) .....	227.32	
46 82 83 00-3692	EA		Bottle retaining ring for 350-ml glass bottles (Teledyne Isco 602703011).....	74.43	4.43
46 82 83 00-3693	EA		Base locating insert for 12-bottle sampling (Teledyne Isco 609004147).....	163.76	9.75
46 82 83 00-3694	EA		Bottle retaining ring for 12-bottle sampling (Teledyne Isco 603704112) .....	157.56	9.38
46 82 83 00-3695	EA		1-liter polypropylene round bottles with caps - quantity 12 (Teledyne Isco 603700035).....	132.75	7.90
46 82 83 00-3696	EA		1-liter polypropylene round bottles with caps - quantity 100 (Teledyne Isco 606700016) .....	937.88	55.82
46 82 83 00-3697	EA		950-ml glass round bottles with PTFE lined caps - quantity 12 (Teledyne Isco 683700023) .....	188.57	11.23
46 82 83 00-3698	EA		950-ml glass round bottles with caps and liners - quantity 100 (Teledyne Isco 686700018) .....	1,296.43	77.17
46 82 83 00-3699	EA		PTFE lined caps for 950-ml glass bottles - quantity 100 (Teledyne Isco 686700019) .....	504.92	
46 82 83 00-3700	EA		Base locating insert for 8-bottle sampling (Teledyne Isco 609004146).....	163.76	9.75
46 82 83 00-3701	EA		Bottle retaining ring for 8-bottle sampling (Teledyne Isco 609004149) .....	188.57	11.23
46 82 83 00-3702	EA		2-liter polyethylene round bottles with caps - quantity 8 (Teledyne Isco 682740026) .....	81.88	4.87
46 82 83 00-3703	EA		Caps for 2-liter polyethylene bottles - quantity 100 (Teledyne Isco 603720029).....	71.04	
46 82 83 00-3704	EA		1.8-liter glass round bottles with PTFE lined caps - quantity 8 (Teledyne Isco 682740027) .....	212.14	12.63
46 82 83 00-3705	EA		PTFE lined caps for 1.8-liter glass bottles - quantity 100 (Teledyne Isco 683000026) .....	677.60	
46 82 83 00-3706	EA		1-gallon polypropylene round bottles with caps - quantity 4 (Teledyne Isco 606700020) .....	81.88	4.87
46 82 83 00-3707	EA		1-gallon glass round bottles with PTFE lined caps - quantity 4. (Teledyne Isco 686700146) .....	114.14	6.79
46 82 83 00-3708	EA		1-gallon glass round bottle with PTFE lined cap - quantity 1. (Teledyne Isco 686700147).....	32.26	1.92
46 82 83 00-3709	EA		2.5-gallon (10-liter) polyethylene round bottle with cap - quantity 1 (Teledyne Isco 299001304).....	157.56	9.38
46 82 83 00-3710	EA		2.5-gallon (9.5-liter) glass round bottle with PTFE lined cap - quantity 1 (Teledyne Isco 682700005).....	106.70	6.35
46 82 83 00-3711	EA		20 liter glass bottle with closure cap. (Teledyne Isco 686700151).....	378.38	22.53
46 82 83 00-3712	EA		ProPak starter kit. Includes 24 holders with caps, 100 1-liter bags, and retaining ring. (Teledyne Isco 686700112).....	327.52	19.50
46 82 83 00-3713	EA		ProPak holders with caps and standard bags - quantity 25. Includes instruction sheet. (Teledyne Isco 686700087) .....	188.57	11.23
46 82 83 00-3714	EA		ProPak disposable bags, 1-liter polyethylene - quantity 100. (Teledyne Isco 686700113) .....	114.14	6.79
46 82 83 00-3715	EA		ProPak disposable bags, 1-liter polyethylene - quantity 500. (Teledyne Isco 686700114).....	528.51	31.46
46 82 83 00-3716	EA		ProPak disposable bags, 1-liter polyethylene - quantity 1,000. (Teledyne Isco 686700096) .....	806.38	48.00
46 82 83 00-3717	EA		Holder Retaining ring for 24 ProPak holders (Teledyne Isco 609003475) .....	40.94	2.43
46 82 83 00-3718	EA		Composite ProPak kit. Includes 100 composite ProPak bags, holder and O-ring. (Teledyne Isco 682950006).....	239.44	14.25
46 82 83 00-3719	EA		Composite ProPak Holder (Teledyne Isco 602953029).....	138.94	8.27



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3720 EA Composite ProPaks, quantity 100 2-gallon (9-liter) bags (Teledyne Isco 692953038) .....	119.10	7.09
46 82 83 00-3721 EA O-ring for composite ProPak kit. (Teledyne Isco 202100232) .....	3.72	0.22
46 82 83 00-3722 EA 24-Bottle Configuration for either standard compact or mini compact base. Includes 24 polyethylene 500-ml wedge-shaped bottles and caps, bottle carrier with retaining ring, and two discharge tubes. (Teledyne Isco 686700022) .....	227.03	13.51
46 82 83 00-3723 EA 12-Bottle Configuration for either standard compact or mini compact base. Includes twelve glass 375-ml round bottles and PTFE lined caps, bottle retaining ring, bottle carrier, and two discharge tubes. (Teledyne Isco 686700024) .....	466.46	27.76
46 82 83 00-3724 EA 1-Bottle Configuration. Standard Compact Base Portable Sampler only. Includes 2.5-gallon (10-liter) round polyethylene bottle, cap, tube guide, and two discharge tubes. (Teledyne Isco 686700025) .....	227.03	13.51
46 82 83 00-3725 EA 1-Bottle Configuration Standard Compact Base Portable Sampler only. Includes 2.5-gallon (9.5-liter) glass bottle with PTFE lined cap, tube guide, and two discharge tubes. (Teledyne Isco 686700026) .....	227.03	13.51
46 82 83 00-3726 EA Single ProPak Configuration for 6700 Series Standard Compact Portable Sampler. Includes one composite ProPak holder with cap, 100 ProPak bags, O-ring, tube guide, two discharge tubes and an instruction sheet. (Teledyne Isco 686700148) .....	328.76	19.57
46 82 83 00-3727 EA 3710C/6712C Compact Base Assembly. (Teledyne Isco 603704129) .....	452.82	26.96
46 82 83 00-3728 EA 24-bottle carrier, standard compact and mini compact samplers (Teledyne Isco 609004132) .....	132.75	7.90
46 82 83 00-3729 EA 6700 Series Refrigerated Sampler Bottle Retaining Ring for 12-bottle 2.5-liter wedge-shaped bottles and 24-bottle 500-ml Compact Portable Samplers. (Teledyne Isco 609003235) .....	50.87	3.03
46 82 83 00-3730 EA 12-bottle carrier, standard compact and mini compact samplers (Teledyne Isco 609004131) .....	130.26	7.75
46 82 83 00-3731 EA Locking harness for 6712C compact portable sampler. (Teledyne Isco 686710111) .....	132.75	7.90
46 82 83 00-3732 EA I/O port Y-cable for 6712/Avalanche samplers. Duplicates I/O port connection to support multiple devices. (Teledyne Isco 609004294) .....	220.83	13.15
46 82 83 00-3733 EA 500-ml polyethylene wedge-shaped bottles with caps - quantity 24 (Teledyne Isco 682900002) .....	106.70	6.35
46 82 83 00-3734 EA 500-ml polyethylene wedge-shaped bottles with caps - quantity 100 (Teledyne Isco 686700027) .....	421.81	25.11
46 82 83 00-3735 EA 500-ml polyethylene wedge-shaped bottles with caps - quantity 500 (Teledyne Isco 686700028) .....	1,611.54	95.93
46 82 83 00-3736 EA Caps for 500-ml wedge bottles - quantity 100 (Teledyne Isco 602900004) .....	51.37	
46 82 83 00-3737 EA 500-ml polyethylene round bottles with caps - quantity 12 (Teledyne Isco 682900014) .....	49.63	2.95
46 82 83 00-3738 EA 500-ml polyethylene round bottles with caps - quantity 100 (Teledyne Isco 686700029) .....	359.77	21.41
46 82 83 00-3739 EA 500-ml polyethylene round bottles with caps - quantity 500 (Teledyne Isco 686700030) .....	1,587.96	94.52
46 82 83 00-3740 EA Caps for 500-ml polyethylene round bottles - quantity 100 (Teledyne Isco 601680051) .....	82.62	
46 82 83 00-3741 EA 375-ml glass round bottles with PTFE lined caps - quantity 12 (Teledyne Isco 682900015) .....	200.97	11.96
46 82 83 00-3742 EA 375-ml glass round bottles with PTFE lined caps - quantity 100 (Teledyne Isco 686700031) .....	1,364.65	81.24
46 82 83 00-3743 EA 24-bottle Configuration. Includes 24 polypropylene 1-liter wedge shaped bottles with caps, retaining ring, bottle rack and two discharge tubes. (Teledyne Isco 686700032) .....	472.67	28.13
46 82 83 00-3744 EA 24-bottle Configuration. Includes 24 glass 350-ml round bottles with PTFE lined caps retaining rings, bottle rack and two discharge tubes. (Teledyne Isco 686700033) .....	749.32	44.61
46 82 83 00-3745 EA 24-Container ProPak Configuration. Includes 25 holders, 100 bags, retaining ring, bottle rack and instruction sheet. (Teledyne Isco 686700115) .....	1,133.90	67.50
46 82 83 00-3746 EA 8-bottle Configuration. Includes eight polyethylene 2-liter round bottles with caps, retaining ring, bottle rack and two discharge tubes. (Teledyne Isco 686700034) .....	440.41	26.22
46 82 83 00-3747 EA 2-bottle Configuration. Includes two polyethylene 2-gallon (7.5-liter) rectangular bottles, locating base, caps and two discharge tubes. (Teledyne Isco 686700036) .....	387.06	23.04
46 82 83 00-3748 EA 1-bottle Configuration. Includes one polyethylene 2.5-gallon (10-liter) round bottle, two caps and two discharge tubes. (Teledyne Isco 686700038) .....	227.03	13.51
46 82 83 00-3749 EA 1-bottle Configuration. Includes one glass 2.5-gallon (10-liter) round bottle, two PTFE lined caps and two discharge tubes. (Teledyne Isco 686700039) .....	227.03	13.51
46 82 83 00-3750 EA Single ProPak Configuration for 6700 Series FR Refrigerated Sampler. Includes one composite ProPak holder with cap, 100 ProPak bags, O-ring, two discharge tubes and an instruction sheet. (Teledyne Isco 686700150) .....	334.96	19.94
46 82 83 00-3751 EA 1-bottle Configuration. Includes one polyethylene 4-gallon (15-liter) round bottle, two caps and two discharge tubes. (Teledyne Isco 686700040) .....	227.03	13.51
46 82 83 00-3752 EA 1-bottle Configuration. Includes one glass 20-liter round bottle, two closure caps and two discharge tubes. (Teledyne Isco 686700042) .....	428.00	25.48
46 82 83 00-3753 EA 1-bottle Configuration. Includes one polyethylene 5.5-gallon (20.5-liter) round bottle, two caps and two discharge tubes. (Teledyne Isco 686700041) .....	239.44	14.25
46 82 83 00-3754 EA 6712FR refrigerator adapter kit for 24 bottle configuration. Kit contains mounting hardware for the controller and distributor arm. Bottles, caps, rack, retaining ring, and discharge tubes must be ordered separately. (Teledyne Isco 609004155) .....	126.55	7.53
46 82 83 00-3755 EA 6712FR refrigerator adapter kit for 8 bottle configuration. Kit contains mounting hardware for the controller and distributor arm. Bottles, caps, rack, retaining ring, and discharge tubes must be ordered separately. (Teledyne Isco 609004154) .....	182.37	10.86
46 82 83 00-3756 EA 6712FR refrigerator adapter kit for 2 bottle configuration. Kit contains mounting hardware for the controller and distributor arm, and a 2 bottle locating base. Bottles, caps, and discharge tubes must be ordered separately. (Teledyne Isco 609004153) .....	194.77	11.59
46 82 83 00-3757 EA 6712FR refrigerator adapter kit for 1 bottle configuration. Kit contains mounting hardware for the controller. Bottle, caps, and discharge tubes must be ordered separately. (Teledyne Isco 609004156) .....	32.26	1.92
46 82 83 00-3758 EA Discharge tube. 6700FR Series Sampler 8, 12, and 24 bottle sampling. 5800/4700 Samplers, all configurations except single 20 liter bottles. (Teledyne Isco 609003279) .....	19.85	1.19
46 82 83 00-3759 EA Discharge tube, 6700FR Series Sampler. (Teledyne Isco 609003283) .....	17.37	1.03
46 82 83 00-3760 EA Discharge tube, 6700 Series Full-size Sampler. (Teledyne Isco 609003260) .....	17.37	1.03
46 82 83 00-3761 EA Discharge tube, 6700 Series Full-size Sampler. (Teledyne Isco 609003262) .....	17.37	1.03
46 82 83 00-3762 EA Discharge tube, 6700 Series Full-size Sampler. (Teledyne Isco 609003264) .....	17.37	1.03
46 82 83 00-3763 EA Series 6700FR refrigerator only, 120 VAC, 60 Hz. (Teledyne Isco 609004236) .....	7,294.69	434.23
46 82 83 00-3764 EA Series 6700FR refrigerator only, 230 VAC, 50 Hz. (Teledyne Isco 609004235) .....	7,294.69	434.23
46 82 83 00-3765 EA FR Battery Back-up kit. Includes Isco NiCad battery 60-1684-040 and instruction sheet. When installed in FR refrigerator, the battery provides 12VDC power to continue sampler operation should AC input power fail. (Teledyne Isco 686700135) .....	358.54	21.34
46 82 83 00-3766 EA Temperature Logging Assembly for 6712FR Refrigerators, includes instruction sheet. (Teledyne Isco 686700136) .....	472.67	28.13
46 82 83 00-3767 EA Padlock. (Teledyne Isco 209902000) .....	40.94	2.43
Note: Used to lock GLS sampler (one required) and 3700/6700 Series refrigerated samplers (two required).		



**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3768 EA 2.5-liter polyethylene wedge-shaped bottles with caps - quantity 12 (Teledyne Isco 686700059).....	157.56	9.38
46 82 83 00-3769 EA 2.5-liter polyethylene wedge-shaped bottles with caps - quantity 100 (Teledyne Isco 686700060).....	793.98	47.27
46 82 83 00-3770 EA Caps for 2.5-liter polyethylene wedge-shaped bottles - quantity 100 (Teledyne Isco 606700061).....	136.61	
46 82 83 00-3771 EA 2-gallon (7.5-liter) polyethylene rectangular bottle with cap - quantity 1 (for 2-bottle refrigerated samplers) (Teledyne Isco 299001307).....	117.86	7.01
46 82 83 00-3772 EA 2.5-gallon (10-liter) polyethylene round bottle with two caps - quantity 1 (Teledyne Isco 682740009).....	138.94	8.27
46 82 83 00-3773 EA 2.5-gallon (9.5-liter) glass round bottle with two PTFE lined caps - quantity 1 (Teledyne Isco 682930006).....	138.94	8.27
46 82 83 00-3774 EA 4-gallon (15-liter) polyethylene round bottle with two caps - quantity 1 (Teledyne Isco 682930004).....	138.94	8.27
46 82 83 00-3775 EA 20 liter glass bottle with 1-cap and 1-cap with hole. (Teledyne Isco 686700152).....	390.78	23.26
46 82 83 00-3776 EA 5.5-gallon (20.5-liter) polyethylene round bottle with two caps - quantity 1 (not for SR) (Teledyne Isco 682930005).....	176.16	10.49
46 82 83 00-3777 EA Silicone rubber pump tubing, for 6700 Series, Avalanche, and 5800/4700 samplers. Quantity 1. (Teledyne Isco 609004157).....	40.94	2.43
46 82 83 00-3778 EA Pump tubing for 5800/4700 and 6700 Series/Avalanche Sampler - quantity 5 (Teledyne Isco 606700062).....	145.16	8.64
46 82 83 00-3779 EA Pump tubing for 5800/4700 and 6700 Series/Avalanche Sampler - quantity 10 (Teledyne Isco 606700044).....	264.25	15.73
46 82 83 00-3780 EA Pump tubing for 5800/4700 and 6700 Series/Avalanche Sampler - quantity 25 (Teledyne Isco 606700045).....	610.38	36.33
46 82 83 00-3781 EA Discharge tubing for 5800/4700 and 6700 Series/Avalanche Sampler, pump tubing for 3700 Series GLS, and Glacier Samplers - 10 ft. (Teledyne Isco 606700046).....	106.70	6.35
46 82 83 00-3782 EA Discharge tubing for 5800/4700 and 6700 Series/Avalanche Sampler, pump tubing for 3700 Series, GLS, and Glacier Samplers - 50 ft. (Teledyne Isco 606700047).....	397.00	23.62
46 82 83 00-3783 EA Discharge tube, 6700 Series Full-size Sampler. (Teledyne Isco 609003266).....	17.37	1.03
Note: For 4 bottle sampling applications.		
46 82 83 00-3784 EA Discharge tube, 6700 Series Full-size Sampler. (Teledyne Isco 609003271).....	13.65	0.81
Note: For single bottle composite sampling.		
46 82 83 00-3785 EA Discharge tube, 6700C Series Compact Sampler. (Teledyne Isco 609003257).....	17.37	1.03
Note: For 12 or 24 bottle sampling.		
46 82 83 00-3786 EA Discharge tube, 6700C Series Compact Sampler. (Teledyne Isco 609003258).....	13.65	0.81
Note: For single bottle sampling.		
46 82 83 00-3787 EA 3/8 inch standard weighted polypropylene strainer. (Teledyne Isco 609004367).....	94.29	5.60
46 82 83 00-3788 EA 3/8 inch ID x 10 ft. long vinyl suction line with standard weighted polypropylene strainer. Includes tubing coupler. (Teledyne Isco 609004378).....	119.10	7.09
46 82 83 00-3789 EA 3/8 inch ID x 25 ft. long vinyl suction line with standard weighted polypropylene strainer. Includes tubing coupler. (Teledyne Isco 609004379).....	138.94	8.27
46 82 83 00-3790 EA 3/8 inch ID x 10 ft. (3 m) long PTFE suction line with protective jacket. (Teledyne Isco 601683146).....	74.43	4.43
46 82 83 00-3791 EA 3/8 inch ID x 25 ft. (7.6 m) PTFE suction line with protective jacket. (Teledyne Isco 602703114).....	138.94	8.27
46 82 83 00-3792 EA 3/8 inch ID CPVC strainer (Teledyne Isco 603704066).....	116.62	6.94
46 82 83 00-3793 EA 3/8 inch stainless steel strainer, low flow. (Teledyne Isco 692903138).....	75.68	4.51
46 82 83 00-3794 EA 3/8 inch vinyl suction line - 100 ft. Includes tubing coupler. (Teledyne Isco 681680058).....	106.70	6.35
46 82 83 00-3795 EA 3/8 inch vinyl suction line - 500 ft. Includes two tubing couplers. (Teledyne Isco 681680059).....	428.00	25.48
46 82 83 00-3796 EA Tubing coupler, 3/8 inch. One-piece, clampless coupler made of stainless steel. (Teledyne Isco 603709002).....	24.81	1.48
Note: Can be used with any Isco sampler.		
46 82 83 00-3797 EA 701 Module with Stainless Steel double junction combination pH probe. Includes combination pH probe with built- in exposed temperature probe and 25 ft. cable. Also includes one package of each buffer and rinse solution for calibrating pH probe, and instruction manual. Probe mounting hardware sold separately. (Teledyne Isco 686700052).....	2,630.06	156.56
46 82 83 00-3798 EA Stainless Steel double-junction combination pH probe with built-in temperature probe. With 25 ft (7.6 m) cable. (Teledyne Isco 609004126).....	513.60	30.57
46 82 83 00-3799 EA SPA 907. Standard Isco pH Sensor Extension Cable, built to length. (Teledyne Isco 605304907).....	111.65	6.65
Note: Allows for extension of the pH sensor for applications where greater separation is needed. For use with the pH sensor assembly with the built in temperature sensor (60-2004-146 or 60-5304-895). Must not exceed 1000 ft. maximum length between pH probe and 301 TIENet® Device or 701 module.		
<i>For Each LF Of Extension Cable, Add</i>	2.03	
46 82 83 00-3800 EA 720 Module and submerged probe with 25 ft. cable, measures 10 ft. level range. Includes instruction manual and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 686700068).....	2,468.78	146.95
Note: Probe mounting hardware sold separately.		
46 82 83 00-3801 EA Submerged probe level sensor only, measures 10 ft. level range. With 25 ft. connect cable. (Teledyne Isco 603224002).....	1,133.90	67.50
46 82 83 00-3802 EA Submerged Probe sensor extension cable, 25 ft. (Teledyne Isco 603224004).....	364.73	21.71
Note: For additional vented separation distance between the sensor and the flow meter. More than one extension cable may be used provided that the total distance, including sensor cable length, does not exceed 75 ft.		
46 82 83 00-3803 EA Submerged Probe sensor extension cable, 50 ft. (Teledyne Isco 603224005).....	403.19	24.01
Note: For additional vented separation distance between the sensor and the flow meter. Total distance including sensor cable length cannot exceed 75 ft.		
46 82 83 00-3804 EA SPA 1641. Quick Disconnect Box for 720 Module, 4120 or 4220 Submerged Probe. Sealed box includes Amphenol connector for submerged probe, desiccant cartridge for reference air line, and a six position terminal strip. (Teledyne Isco 605314641).....	446.61	26.59
Note: Use cut-to-length cable 60-5304-568 to complete the connection to a 4220/4120 flow meter or 720 module.		
46 82 83 00-3805 EA SPA 568. 4220/720 Submerged Probe to Q.D. Box Connect Cable, built to length. (Teledyne Isco 605304568).....	93.05	5.53
Note: This sensor cable is normally used with a quick disconnect box (60-5314-641) and can be ran through conduit. It has an Amphenol on one end for connection to the instrument and spade lugs on the other end for connection to the terminal block in the quick disconnect box. Maximum length is 975 ft.		
<i>For Each LF Of Sensor Extension Cable, Add</i>	2.71	
46 82 83 00-3806 EA Flume probe cap. (Teledyne Isco 602503105).....	40.94	2.43
Note: For use in flumes built to accommodate an Isco probe.		
46 82 83 00-3807 EA Standard nose section for submerged probe. (Teledyne Isco 602503086).....	69.47	4.14
46 82 83 00-3808 EA Sensor carrier for attaching submerged probe level sensor to Isco Mounting Rings. (Teledyne Isco 603204005).....	59.55	3.55
46 82 83 00-3809 EA Reference Port Tubing, 1/4 inch ID x 10 ft. (3 m). (Teledyne Isco 602703111).....	16.13	0.96
Note: Provides extension to the reference port.		
46 82 83 00-3810 EA Reference Port Tubing, 1/4 inch ID x 25 ft. (7.6 m). (Teledyne Isco 602703112).....	34.74	2.07
Note: Provides extension to the reference port.		
46 82 83 00-3811 EA 730 Module with 1/8 inch x 25 ft. vinyl bubble line. (Teledyne Isco 686700050).....	2,998.52	178.48
Note: Includes instruction manual and coupon for free Isco Open Channel Flow Measurement Handbook. Bubble tube mounting hardware sold separately.		
46 82 83 00-3812 EA 1/8 inch x 25 ft. vinyl tubing. For use as a flow meter bubble line. (Teledyne Isco 609003281).....	28.53	1.70
46 82 83 00-3813 EA 1/8 inch x 100 ft. vinyl bubble line. (Teledyne Isco 601700003).....	78.16	4.65



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3814 EA Stainless Steel Bubble Tube - 4 ft. length. (Teledyne Isco 601873043) .....	31.01	1.85
Note: For use with 1/8 inch ID vinyl bubble line.		
46 82 83 00-3815 EA Sensor carrier for attaching bubble line to Isco Mounting Rings. (Teledyne Isco 603204007) .....	110.42	6.57
46 82 83 00-3816 LF SPA 706. 1/8 inch vinyl Bubble Line, cut to length, per ft. Maximum available length is 500 ft. (Teledyne Isco 605304706) .....	1.54	0.09
Note: It is not recommended to use lengths in excess of 200 ft. for any single application. Contact factory for details.		
46 82 83 00-3817 EA 750 Module and Low Profile Area Velocity Sensor with 25 ft. cable, measures 10 ft. level range. (Teledyne Isco 686700106) .....	4,884.23	290.74
Note: Includes instruction manual and coupon for free Isco Open Channel Flow Measurement Handbook. Probe mounting hardware sold separately.		
46 82 83 00-3818 EA Low Profile Area Velocity Sensor with 25 ft. cable, measures 10 ft. level range. (Teledyne Isco 603254021) .....	1,589.20	94.60
46 82 83 00-3819 EA Area velocity sensor extension cable. 25 ft., for additional separation between sensor and flow meter. (Teledyne Isco 603254005) .....	339.92	20.23
Note: One or two extensions can be used with 10 ft. level measurement range sensor. Only one extension can be used with 30 ft. level measurement range. Beyond these distances, use the quick disconnect box 60-3254-004.		
46 82 83 00-3820 EA SPA 889. Area Velocity Sensor Extension Cable for Models 4150/4250 or 6712 with 750 module, Cut to length. (Teledyne Isco 605304889) .....	329.99	19.65
Note: Maximum length is 50 ft.		
<i>For Each LF Of Sensor Extension Cable, Add</i>	<i>2.71</i>	
46 82 83 00-3821 EA Area velocity sensor quick disconnect box. (Teledyne Isco 603254004) .....	442.89	26.37
Note: Allows external connection of flow meter to sensor through conduit. Includes desiccator for sensor vent. Maximum distance between box and flow meter is 975 ft. Contact factory for information on cable between box and flow meter or non-conduit wiring, a watertight cord grip fitting (P/N 209-0076-03) is required. (Refer to SPA 60-5304-843.)		
46 82 83 00-3822 EA Sensor carrier for attaching low profile area velocity sensor to Isco mounting rings or sensor mounting plate. (Teledyne Isco 603204029) .....	65.75	3.91
46 82 83 00-3823 EA SPA 843. 750 Module to Q.D. Box Connect Cable, built to length. (Teledyne Isco 605304843) .....	230.75	13.73
Note: This sensor cable is normally used with a quick disconnect box (60-3254-004) when running cable through conduit. It has an Amphenol on one end for connection to the 750, and spade lugs for connection to the terminal strip of the quick disconnect box. Maximum length is 975 ft.		
<i>For Each LF Of Sensor Extension Cable, Add</i>	<i>2.71</i>	
46 82 83 00-3824 EA 780 analog input module. Includes 10 ft. cable and instruction manual. (Teledyne Isco 609004040) .....	614.10	36.55
46 82 83 00-3825 EA 674 Rain Gauge. Tips every 0.01 inch of rainfall. Tipping bucket rain gauge with 50 ft. cable and connector for use with a 4100 Series Flow Logger, 4200 Series Flow Meter, or 6700 Series/Avalanche Sampler. Includes instruction manual. (Teledyne Isco 603284001) .....	992.47	59.08
46 82 83 00-3826 EA Model 1640 Sampler Actuator. Includes instruction manual. Equipped with a 22' cable length to the probe tip, see 60-5304-565 (SPA 565) for cut to length version. (Teledyne Isco 601644000) .....	421.81	25.11
46 82 83 00-3827 EA Instruction manual, Model 1640 Liquid Level Actuator. (Teledyne Isco 601644009) .....	16.99	
46 82 83 00-3828 EA 4-20 mA input interface for 6700 Series, Avalanche, or GLS Sampler. (Teledyne Isco 603704075) .....	207.18	12.33
Note: Converts an analog 4-20 mA flow proportional signal to a compatible flow proportional input signal. Attaches to sampler controller and includes short cable to connect to the sampler's flow meter connector.		
46 82 83 00-3829 EA Instruction manual, Model 6712 portable sampler (Teledyne Isco 609004334) .....	65.57	
46 82 83 00-3830 EA Pocket guide, Model 6712 portable sampler (Teledyne Isco 699003589) .....	14.21	
46 82 83 00-3831 EA Instruction manual, Model 6712FR (Teledyne Isco 609004335) .....	64.48	
46 82 83 00-3832 EA Instruction manual, Model 701 pH and Temperature Module (Teledyne Isco 609003065) .....	64.48	
46 82 83 00-3833 EA Instruction manual, Model 720 Submerged Probe Flow Module (Teledyne Isco 609003368) .....	64.48	
46 82 83 00-3834 EA Instruction manual, Model 730 Bubbler Flow Module (Teledyne Isco 609003063) .....	64.48	
46 82 83 00-3835 EA Instruction manual, Model 750 Area Velocity Module (Teledyne Isco 609003465) .....	64.48	
46 82 83 00-3836 EA Instruction manual, Model 780 Analog Interface Module (Teledyne Isco 609003064) .....	64.48	
46 82 83 00-3837 EA AQ702 multiparameter sonde. Includes AQ702 sonde with pH, Hamilton optical dissolved oxygen, conductivity, temperature, oxidation reduction potential, and depth. Also includes AQ700 software, instruction manual, computer cable with USB adaptor, connector cover, calibration cup, weighted sensor guard, and maintenance kit. (Teledyne Isco 600603302) .....	5,973.46	355.58
46 82 83 00-3838 EA AQ703 multiparameter sonde. Includes AQ703 sonde with pH, Hamilton optical dissolved oxygen, conductivity, temperature, oxidation reduction potential, turbidity with wiper, and depth. Also includes AQ700 software, instruction manual, computer cable with USB adaptor, connector cover, calibration cup, weighted sensor guard, and maintenance kit with replacement wiper. (Teledyne Isco 600603303) .....	8,954.62	533.04
46 82 83 00-3839 EA AQ700 field cable for connecting the AQ700 sonde to the SDI-12 converter - 5 meter length. (Teledyne Isco 600603314) .....	517.33	30.80
46 82 83 00-3840 EA AQ700 field cable for connecting the AQ700 sonde to the SDI-12 converter - 10 meter length. (Teledyne Isco 600603315) .....	561.98	33.46
46 82 83 00-3841 EA AQ700 field cable for connecting the AQ700 sonde to the SDI-12 converter - 15 meter length. (Teledyne Isco 600603316) .....	600.44	35.75
46 82 83 00-3842 EA SDI-12 converter to 6712 series sampler. (Teledyne Isco 600603321) .....	344.89	20.53
Note: This converter connects the AQ700 field cable to a 6712 series sampler which includes the 6712 Full Size portable, 6712C portable, 6712FR refrigerated, and Avalanche Samplers.		
46 82 83 00-3843 EA SDI-12 converter to Signature® Flow Meter. (Teledyne Isco 600603322) .....	204.70	12.18
Note: The converter connect the AQ700 field cable to a Signature® Flow Meter.		
46 82 83 00-3844 EA SDI-12 converter to 2105 series interface module. (Teledyne Isco 600603320) .....	409.40	24.37
Note: The converter connect the AQ700 field cable to a 2105 series interface module which includes the 2105, 2105Ci, and 2105Gi modules.		
46 82 83 00-3845 EA AQ700 Hamilton optical dissolved oxygen sensor replacement cap (Teledyne Isco 600603343) .....	291.53	17.36
46 82 83 00-3846 EA AQ700 pH reference electrode replacement cap (Teledyne Isco 600603344) .....	67.00	3.99
46 82 83 00-3847 EA SDI-12 connection cable for YSI Sonde and Isco Avalanche or 6712 Sampler (Teledyne Isco 609004337) .....	138.94	8.27
46 82 83 00-3848 EA Y Connect Cable; for YSI Sonde, Rain gauge and Isco Avalanche or 6712 Sampler (Teledyne Isco 609004338) .....	245.64	14.62
46 82 83 00-3849 EA SDI-12 connection cable for Hydrolab Quanta Sonde and Isco Avalanche or 6712 Sampler (Teledyne Isco 609004339) .....	138.94	8.27
46 82 83 00-3850 EA Y Connect Cable; for Hydrolab Quanta Sonde, Rain gauge and Isco Avalanche or 6712 Sampler (Teledyne Isco 609004340) .....	241.93	14.40
46 82 83 00-3851 EA SDI-12 connection cable for Isco Avalanche or 6712 Sampler and generic SDI-12 sensor (Teledyne Isco 609004341) .....	98.01	5.84
46 82 83 00-3852 EA Y Connect Cable; for Generic SDI-12 sensor, Rain gauge and Isco Avalanche or 6712 Sampler (Teledyne Isco 609004342) .....	326.27	19.43

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3853	EA		SPA 1400. YSI Adapter Extension Cable for Avalanche and 6712. SDI-12 adapter cable to adapt YSI sondes to the Avalanche/6712. (Teledyne Isco 605314400).....	173.69	10.34
			Note: Allows for additional separation between the sonde and sampler. Built to length, per ft. Specify length at time of order.		
			<i>For Each LF Of Extension Cable, Add</i>	1.66	
46 82 83 00-3854	EA		SPA 360. Modification to add Lifting Lugs to 6712FR/5800/4700 refrigerated samplers. (Teledyne Isco 605304360).....	251.84	14.99
			Note: Four stainless steel lifting lugs are added, one to each corner, to allow for lifting with a mechanical hoist. For the 5800/4700 refrigerated sampler requires removal of pump cover, cannot be used with pump heater option.		
46 82 83 00-3855	EA		SPA 391. Y Connect cable, 4200 series flow meter to 6700/3700/GLS series sampler and Type 'E' Interface. (Teledyne Isco 605304391).....	245.64	14.62
			Note: Requires the use of a sampler to flow meter cable (60-3004-107 or cut to length version 583). For the 5800/4700 refrigerated sampler the part number for the sampler to flow meter cable is 69-4704-043 (25 ft) or cut to length version SPA 1687 (up to 1,000 ft).		
46 82 83 00-3856	LF		SPA 491. 3/8 inch vinyl Suction Line, cut to length, per ft. (Teledyne Isco 605304491).....	1.96	0.12
			Note: Maximum available length is 400 ft.		
46 82 83 00-3857	EA		SPA 565. 3700/6700/GLS/Avalanche 1640 Liquid Level Actuator, cut to length, per ft. (Teledyne Isco 605304565).....	334.96	19.94
			Note: Maximum available length is 250 ft. For use with 5800/4700 also order adapter 60-5314-697 or 60-5314-704.		
			<i>For Each LF Of Extension Cable, Add</i>	2.38	
46 82 83 00-3858	LF		SPA 569. 3/8 inch PTFE suction line with protective jacket, cut to length, per ft. (Teledyne Isco 605304569).....	5.83	0.34
			Note: Maximum available length is 500 ft.		
46 82 83 00-3859	EA		SPA 583. Cut to length cable connects 6700/3700/GLS series samplers to 4200 series flow meters. (Teledyne Isco 605304583).....	93.05	5.53
			Note: Custom length connect cable for applications when the sampler and flow meter are separated by more than 25 ft. Maximum length is 1,000 ft. Applications longer than 200 ft. will require a power supply on the sampler and a separate supply on the flow meter. For connection to the 5800/4700 sampler, use 60-5314-687. Not for use with 2100 systems.		
			<i>For Each LF Of Extension Cable, Add</i>	2.66	
46 82 83 00-3860	EA		SPA 584. Modification to 6712FR/5800/4700 refrigerated samplers for the addition of anchor lugs. (Teledyne Isco 605304584).....	251.84	14.99
			Note: An anchor bracket is added to each corner of the refrigerator, 2 brackets per side, to allow the refrigerator to be attached to the floor. If this is ordered without the refrigerator as a kit the model (6712FR or 5800/4700) of the refrigerator will be required to insure proper hardware and instructions are included, contact SPA department for details.		
46 82 83 00-3861	EA		SPA 606. Modify 6712FR for 4 bottle configuration, bottles ordered separately. (Teledyne Isco 605304606).....	497.47	29.61
			Note: Modification to 6712FR includes installation of unique drip tray, a different shelf, a bottle locating deck, distributor arm, shaft, 2 pump tubes and a discharge tube. Order plastic or glass bottles separately, (4x) 2 gallon polyethylene bottles 299-0013-07 or (4x) 2.5 gallon glass bottles 68-2700-005. If ordered as a kit for in-field installation order shelf part number 61-2723-028 separately, contact SPA department for details.		
46 82 83 00-3862	EA		SPA 665. Relay alarm during sampling period. (Teledyne Isco 605304665).....	528.51	31.46
			Note: Converts the event mark signal of 6700/3700/GLS series samplers into a Form 'C' contact closure for control use. Typical applications would include control of three-way solenoid valve to sample from pressurized line, or to control a pump linked to the SPA 888 Flow Thru Chamber. Contacts rated 12 amp, 120 VAC. Requires event mark to be set appropriately in the standard software. Plugs into the Flow Meter port on sampler. For connection to 5800/4700 sampler also order adapter 60-5314-697 or 60-5314-704.		
46 82 83 00-3863	EA		SPA 719. Low Flow 3/8-inch stainless steel strainer. (Teledyne Isco 605304719).....	251.84	14.99
			Note: Three 3/8-inch holes oriented toward bottom via 2-inch square plate. 7-inches long, 7/8-inch high. Contact factory for application details.		
46 82 83 00-3864	EA		SPA 741. Modification to Mount Handles on 6712FR/5800/4700 refrigerated samplers. (Teledyne Isco 605304741).....	327.52	19.50
			Note: Stainless steel handles (4) are added to the sides of the refrigerator to allow for easier handling.		
46 82 83 00-3865	EA		SPA 790. Custom length Cable for non-Isco external control of 6700/3700/GLS series samplers. (Teledyne Isco 605304790).....	73.19	4.36
			Note: Cable provides pins 'B' and 'F' for connection to customer's unpowered switch or contact. When closed, this will disable the sampler. Customer may hook this cable to floats, relay alarms, etc. to control when they want the sampler program to run. Maximum length of 1,000 ft.		
			<i>For Each LF Of Extension Cable, Add</i>	2.38	
46 82 83 00-3866	EA		SPA 820. PTFE coated 3/8-inch Stainless Strainer. (Teledyne Isco 605304820).....	327.52	19.50
			Note: This is our old style 3/8-inch stainless strainer that has been coated with PTFE. Use 60-5314-552 for non-PTFE coated version.		
46 82 83 00-3867	EA		SPA 895. Custom length Double Junction pH Sensor for connection to Signatue 301 pH/temperature device or 6712 with 701 module. (Teledyne Isco 605304895).....	625.26	37.22
			Note: This is the standard 60-9004-126 pH sensor, with custom length cable. Units are ordered from vendor, so allow from 4 to 10 weeks delivery on any SPA 895. This probe has the built in temperature sensor. Please specify the length when ordering.		
			<i>For Each LF Of Extension Cable, Add</i>	1.36	
46 82 83 00-3868	EA		SPA 906. Modify 6712FR for 2-Bottle Configuration for 6712FR refrigerated samplers. Includes 2 polypropylene 20 liter containers, bottle locating deck, distributor arm and shaft appropriate for type of refrigerator. (Teledyne Isco 605304906).....	661.24	39.36
			Note: Please specify refrigerator model when ordering. For single replacement bottle order 60-5304-908. This modification places a flat shelf lower in the refrigerator to accommodate the bottles. When ordering as a kit include shelf part number 61-2723-028.		
46 82 83 00-3869	EA		SPA 908. One 5 gallon (20 liter) polypropylene bottle, rectangular. (Teledyne Isco 605304908).....	264.25	15.73
			Note: This is the same bottle used by SPA 906 (60-5304-906) and SPA 1694 (60-5314-694).		
46 82 83 00-3870	EA		SPA 918. Modification to 6700/3700 series samplers for internal 120VAC heater, with line cord. (Teledyne Isco 605304918).....	730.71	43.50
			Note: A 30 watt, AC powered strip heater is installed in the control box to insure display is readable in extremely cold conditions. Controller has power cord to provide 120 VAC to the heater. A fixed point thermostat controls heater to keep internal temperature above 35 degrees F. For portable units only, for 6712FR refrigerators use SPA 1020. For 5800/4700 refrigerated samplers use standard product offerings.		
46 82 83 00-3871	EA		SPA 1932. Two wheel hand cart for portable non-refrigerated samplers. (Teledyne Isco 605314932).....	384.58	22.89
			Note: Semi-pneumatic tires allow movement over uneven terrain. Includes cord to secure base of portable sampler to cart; intended for temporary use. State model of sampler and compact or standard base to ensure that the proper secure cord length is supplied.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3872 EA SPA 939. DC Powered RTD Interface. Connects and powers 581 RTD during transfer to a PC with a DB-9 pin serial port. (Teledyne Isco 605304939).....	251.84	14.99
Note: Can be powered with a 9 VDC battery, or powered by an external 12 VDC source such as a user-supplied AC-DC power converter. External DC Power supply must be regulated 12 VDC, 200 mA. Standard 9 VDC battery supports portable PC use; external power provides support for non-120 VAC customers.		
46 82 83 00-3873 EA SPA 947. Model 6712/Avalanche Sampler Single I/O Alarm. (Teledyne Isco 605304947).....	692.26	41.20
Note: This is an external alarm, in a NEMA 4 box, housing a single relay, 12 amp, 120 VAC, to communicate alarm conditions within the 6712. The 6712 can be programmed to alarm any one of several conditions such as program done, run errors, program enabled, etc. as set in programming. Connects to the rain gauge / I/O port. Y cable 60-9004-294 will be required if used in tandem with a 6712FR with temperature logging option.		
46 82 83 00-3874 EA SPA 970. Custom length cable for non-Isco external flow pacing of 6700/3700/GLS series samplers. (Teledyne Isco 605304970).....	73.19	4.36
Note: Cable provides pins 'A' and 'C' for connection to customer's unpowered flow proportional contact closure. A momentary contact closure across these pins will cause the flow pulse counter to decrement 1 count. This is a custom length version of 60-1394-077. Maximum length of 1,000 ft.		
<i>For Each LF Of Extension Cable, Add</i>		2.38
46 82 83 00-3875 EA SPA 978. Model 6712/Avalanche Sampler Double I/O Alarm. Same as SPA 947 but has two programmable alarm outputs. (Teledyne Isco 605304978).....	806.38	48.00
Note: Connects to the rain gauge / I/O port. Y cable 60-9004-294 will be required if used in tandem with a 6712FR with temperature logging option.		
46 82 83 00-3876 EA SPA 979. Model 6712/ Avalanche Sampler Triple I/O Alarm. Same as SPA 947 but has three programmable alarm outputs. (Teledyne Isco 605304979).....	1,076.84	64.10
Note: Connects to the rain gauge/ I/O port. "Not for use with 6712FR with temperature logging option installed.		
46 82 83 00-3877 EA SPA 983. PEEK Coupler. (Teledyne Isco 605304983).....	176.16	10.49
Note: This coupler provides connection between 3/8-inch suction line and sampler's pump tubing. It is made from PEEK and is often used when sampling for trace metals.		
46 82 83 00-3878 EA SPA 1012. Modification to 6712FR for 4 Bottle Configuration. (Teledyne Isco 605314012).....	534.70	31.83
Note: Includes a different shelf and the shelf brackets location inside of the cooling box is modified; included are 4 rectangular polyethylene 10-liter containers, bottle locating deck, distributor arm, distributor shaft, two pump tubes and a discharge tube. If ordered as a kit for in-field installation on the 6712FR, add shelf part number 61-2723-028, contact SPA department for details. For one single replacement bottle, order 60-5314-308.		
46 82 83 00-3879 EA SPA 1020. Modify 6712FR for controller compartment heater. (Teledyne Isco 605314020).....	718.31	42.76
Note: This is a forced air (fan) 200 watt heater that is mounted to the inside upper portion of the 6712FR refrigerator. Powered via its own 120 VAC line cord, it has an integral thermostat. It is a popular option for customers having concerns about liquid droplets freezing in the pump tube. Available as a kit for field installation, contact SPA department for details.		
46 82 83 00-3880 EA SPA 1026. Cut to length cable for Models 6712/Avalanche/3700/GLS flow paces a second sampler from the first sampler's event mark. (Teledyne Isco 605314026).....	88.09	5.24
Note: Usually used when a 6712 sampler with module is required to flow pace a second sampler for nearly simultaneous sampling. Uses both sampler's flow meter ports.		
<i>For Each LF Of Extension Cable, Add</i>		2.38
46 82 83 00-3881 EA SPA 1074. 750 Module Low Profile Area Velocity Sensor, built to length. (Teledyne Isco 605314074).....	1,476.31	87.88
Note: This is the 10 ft. range low profile sensor with a custom length cable up to 75 ft. long. Often used instead of extension cable to facilitate custom installations.		
<i>For Each LF Of Sensor Extension Cable, Add</i>		2.71
46 82 83 00-3882 EA SPA 1081. Pressure Reduction Valve. (Teledyne Isco 605314081).....	1,453.98	86.55
Note: This valve is used for sampling from pressurized lines and is suggested for use with a software enhanced 6712 sampler. It reduces pressures from as high as 300 psi down to levels safe for Isco samplers. Equipped with stainless steel components and a brass body it includes a gauge to monitor output pressures, factory preset to 10 psi. It is a portion of the Pressurized Line Sampling System 68-5304-001. This product does not handle solids.		
46 82 83 00-3883 EA SPA 1082. Three way 120 VAC actuated-ball valve. (Teledyne Isco 605314082).....	1,687.20	100.44
Note: This stainless steel and brass valve is used with SPA 947 or SPA 1484 to allow sampling from pressurized line. Often requires the use of SPA 1081 as well. Valve actuates to allow liquid to be delivered to the pump. Also need SPA 1376 (no charge) to allow valve to open before sampling begins. For three-way 230/240 VAC actuated-ball valve use 60-5314-229. This valve is part of the Pressurized Line Sampling System 68-5304-001.		
46 82 83 00-3884 EA SPA 1106. Two wheel hand cart for 6712FR or 5800/4700 refrigerated samplers. (Teledyne Isco 605314106).....	604.17	35.97
Note: Inflatable tires allow movement over uneven terrain. To attach cart to refrigerator for secured support also order brackets part number 60-5314-107 (not included).		
46 82 83 00-3885 EA SPA 1107. Brackets to secure two wheel hand cart (60-5314-106) to 6712FR or 5800/4700 refrigerated samplers for solid support of cart to refrigerator. (Teledyne Isco 605314107).....	289.06	17.21
46 82 83 00-3886 EA SPA 1140. Norprene pump tubing for use with the 5800/4700 and 6712 samplers. (Teledyne Isco 605314140).....	528.51	31.46
Note: Norprene is a heavy duty tubing for use when sampling strong acids or base. It is also an alternative where premature pump tube failure is occurring. This tubing is NOT EPA approved. Available in 50 ft. lengths only.		
46 82 83 00-3887 EA SPA 1157. 6712 I/O Port Interface Cable. (Teledyne Isco 605314157).....	130.26	7.75
Note: Allows access to the I/O port signals for connection to data control systems. I/O outputs 1, 2, and 3 plus ground are provided in a cut to length cable with a maximum length of 100 ft.		
<i>For Each LF Of Extension Cable, Add</i>		2.75
46 82 83 00-3888 EA SPA 1181. 6712 I/O port to 6700 I/O Connect Cable, built to length. (Teledyne Isco 605314181).....	130.26	7.75
Note: This cable allows communication/control between the I/O ports of two 6700 samplers. Various uses include enabling a second 6700 sampler from parameters measured in the first 6712 sampler.		
<i>For Each LF Of Extension Cable, Add</i>		2.38
46 82 83 00-3889 EA SPA 1189. Custom Length Connect cable for external 12 VDC source. (Teledyne Isco 605314189).....	94.29	5.60
Note: Cable for powering portable Isco sampler or flow meters from an external 12 VDC source, such as an automotive or deep-cycle marine battery. Terminates in heavy-duty battery clips. For use with Isco GLS, 3700, 6712 portable samplers, and Signature Portable flow meters. Appropriate for use with 40W and 110W solar panels. Same as part number 60-1394-023 except for custom length. Remember to specify the length of this product. Max length is 50 ft.		
<i>For Each LF Of Extension Cable, Add</i>		2.30
46 82 83 00-3890 EA SPA 1257. Black Tygon Suction Line, 25 ft., with stainless steel strainer. (Teledyne Isco 605314257).....	327.52	19.50
Note: Tubing color is black to resist growth on the inner walls of the suction line.		
46 82 83 00-3891 LF SPA 1260. Black Tygon Suction Line, 3/8 inch, cut to length, per ft. (Teledyne Isco 605314260).....	4.56	0.27
Note: Maximum length is 500 ft. Tubing color is black to resist growth on the inner walls of the suction line.		
46 82 83 00-3892 EA SPA 1271.720 Submerged probe, 10 ft. range, built to length. (Teledyne Isco 605314271).....	1,073.11	63.88
Note: Maximum length is 75 ft.		
<i>For Each LF Of Sensor Extension Cable, Add</i>		2.71

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3893	EA	SPA 1278. Y cable, sampler port to two devices, without diodes. Similar to 603704081 but without diodes blocking power. (Teledyne Isco 605314278) .....	245.64	14.62
		Note: Allows replication of sampler port for connection of alarm boxes, non-Isco cables, interfaces, etc.		
46 82 83 00-3894	EA	SPA 1281. 4-20 mA input interface with cut-to-length cable for 3700 Series, 6700 Series or GLS Sampler. (Teledyne Isco 605314281) .....	198.48	11.81
		Note: Converts an analog 4-20 mA flow proportional signal to a compatible flow proportional input signal. Custom cable length allows the interface to be mounted remotely from the sampler controller.		
		<i>For Each LF Of Extension Cable, Add</i>	2.38	
46 82 83 00-3895	EA	SPA 1301. Sampler to Flow Meter cable with pigtailed at one side. (Teledyne Isco 605314301) .....	55.83	3.32
		Note: Cut to length 1,000' maximum length cable provides connector on one end and all 6 wires A-F as pig tails on the other end, connects to sampler's flow meter port. For 5800 use 10' universal connect cable 68-5800-020, or maximum 100' cut to length 605314738.		
		<i>For Each LF Of Extension Cable, Add</i>	2.48	
46 82 83 00-3896	EA	SPA 1361. Analog (4-20 mA) Alarm Box. (Teledyne Isco 605314361) .....	1,441.57	85.82
		Note: Provides two customer settable alarms off single 4-20 mA loop. For Isco or non-Isco instruments. High/low alarms for any parameter we can generate a 4-20 mA loop for. Requires the instrument to have an analog output option installed.		
46 82 83 00-3897	EA	SPA 1374. 6712 Temperature Sensor, cut to length. (Teledyne Isco 605314374) .....	508.65	30.28
		Note: Measures site or stream temperature. Readings are logged by controller as FR-TEMP readings and may be used as a sampler enable condition. Connects to Rain Gauge port. Not for use with 6712FR with temperature logging option installed.		
		<i>For Each LF Of Extension Cable, Add</i>	1.66	
46 82 83 00-3898	EA	SPA 1381. Wireless radios for transmitting 4-20 mA loop. (Teledyne Isco 605314381) .....	4,664.63	277.67
		Note: Also can provide wireless connection between rain gauge and Isco instruments. Useful where cable connection is impractical or excessively costly. Includes 2 transceivers, 2 antennas, 1 AC supply and necessary wiring to Isco instrument. Contact factory for details.		
46 82 83 00-3899	EA	SPA 1415. Cut to length stainless steel suspension cable with two hooks. (Teledyne Isco 605314415) .....	68.24	4.06
		Note: Suitable for suspension between sampler suspension harness 60-1394-014 and Booster pump 60-5314-861.		
		<i>For Each LF Of Extension Cable, Add</i>	2.08	
46 82 83 00-3900	EA	SPA 1505. Peek bulkead fitting for 6712FR. (Teledyne Isco 605314505) .....	364.73	21.71
		Note: Similar to PTFE this fitting routes between the pump tubing and the discharge tube inside of the cooling box of the 6712 fiberglass refrigerator, often used when sampling for trace metals. Use separate 3/8" Peek coupler 60-5304-983 and 3/8" PTFE coated strainer 60-5304-820 for related items.		
46 82 83 00-3901	EA	SPA 1552. Old style 3/8-inch weighted stainless steel strainer. Four piece stainless steel strainer. 9-1/4 inches long, 1-3/8 inches diameter. (Teledyne Isco 605314552) .....	214.62	12.78
46 82 83 00-3902	EA	SPA 1578.6700 series sampler interrogator port extension cable, cut to length. (Teledyne Isco 605314578) .....	98.01	5.84
		Note: Use in tandem with 60-2004-508 to increase length of USB connect cable. Specify length when ordering. Total length of all cables must not exceed 200 ft (61 m). Not for use with 2100 systems.		
		<i>For Each LF Of Extension Cable, Add</i>	2.66	
46 82 83 00-3903	EA	SPA 1652. Bracket to mount AV sensor and sampler strainer on user-supplied metal post. (Teledyne Isco 605314652) .....	315.11	18.76
46 82 83 00-3904	EA	SPA 1745. Modify 6712FR or 5800/4700 refrigerated sampler to disable the sampler's program when an internal liquid level actuator sensor is submerged in a composite bottle. (Teledyne Isco 605314745) .....	626.50	37.29
		Note: When the liquid detector's probe is wetted the controller goes into disable program state, when the probe is removed from water or dried the controller will go back into enable sample program state. All of the wiring is internal; this product will not interact with external disable, if external disable is required contact the factory for details.		
46 82 83 00-3905	EA	SPA 1814. Modify 6712FR or 5800/4700 refrigerated sampler to add bottle full lamp indicator for composite 2.5 gallon poly bottle configuration. (Teledyne Isco 605314814) .....	485.06	28.88
		Note: Utilizes float affixed to lid of 2.5 gallon poly bottle (not included, order bottle configuration separately) to run exterior lamp for bottle full condition. Does not affect controller operation, simply indicates that the bottle is full.		
46 82 83 00-3906	EA	SPA 1935. Blade Antenna with SMA style connector. This 5 inch long by 13/16 inch wide by 1/4 inch tall antenna comes equipped with a 10 foot cable and the antenna body is normally attached to an external surface with customer supplied epoxy. (Teledyne Isco 605314935) .....	169.96	10.11
		Note: This antenna is for old style 2103C/2103G with an SMA style connector or external cell phone for 4200 series flow meter or 6712 sampler CDMA style 60-5314-489 or GSM style 60-5314-653.		
46 82 83 00-3907	EA	SPA 1801. Modify 1640 Liquid Level Actuator for Removable Sensor Probe. (Teledyne Isco 605314801) .....	98.01	5.84
		Note: Provides a removable connection between the 1640 liquid level actuator (not included) and the probe cable, the liquid level actuator is purchased separately as either the 22' standard or custom length version.		
46 82 83 00-3908	EA	SPA 1802. Custom Length Probe for 1640 Liquid Level Actuator (Teledyne Isco 605314802) .....	94.29	5.60
		Note: Requires 60-5314-801 (not included) and 1640 liquid level actuator (not included). Provides Custom Length probe cable or spare probe cable for a 1640 Liquid Level Actuator that has been modified for a removable probe cable. Maximum available length is 250 ft.		
		<i>For Each LF Of Extension Cable, Add</i>	2.38	
46 82 83 00-3909	EA	SPA 1805. Cable, cut to length, with USOC RJ11C phone connector to 4200/6712 series internal modem connector. (Teledyne Isco 605314805) .....	86.84	5.17
		Note: Order when the standard 12 ft. cable supplied with the Telephone Modem with voice messaging for 4200 series flow meters option requires a greater length. Cut to length version of part number 60-3214-020.		
		<i>For Each LF Of Extension Cable, Add</i>	1.33	
46 82 83 00-3910	EA	SPA 1826. 8 bottle configuration for 6712FR sampler. (Teledyne Isco 605314826) .....	1,171.12	69.72
		Note: Includes 8 round glass 1.8 liter bottles, 8 PTFE lined caps, bottle rack and two discharge tubes.		
46 82 83 00-3911	EA	SPA 1861. Booster pump for 5800/4700 refrigerated sampler or modified 6700/3700/GLS/Portable Refrigerated Sampler series. (Teledyne Isco 605314861) .....	2,336.04	139.05
		Note: Allows sampling from extended heads above 28 feet. Equipped with two 80 foot cables and suction line, pump tubing and a single 3/8-inch coupler. One cable connects to a separately ordered high capacity 12 VDC power source, the other connects to the 16 pin connector on the 5800/4700 or modified 6700/3700/GLS/Portable Refrigerated Sampler series. The output of this pump connects directly to the input pump of the controller, liquid detection occurs at the controller. Requires the use of 2 (of 4) output alarms from the 5800. The 6700/3700/GLS/Portable Refrigerated Sampler series requires a modification to the sampler controller ordered separately as 60-5324-038. The booster pump is encased in a 3700 style control box; submersion is not recommended. Use 3 point suspension harness 60-1394-014 and suspension cable 60-5314-415 for mounting considerations. NOTE: This SPA voids the specified line velocity rating of the standard sampler pump.		
46 82 83 00-3912	EA	SPA 1978. Generation III Hi-Temp Flow Through Chamber. (Teledyne Isco 605314978) .....	251.84	14.99
		Note: Made from ABS and CPVC and compatible with liquids up to 180 degrees F. Chamber has a 2-inch inlet, 3-inch outlet, and 3-inch clean-out plug; same opening sizes as now obsolete part number 60-5304-888.		



<b>Water And Wastewater Equipment</b>	<b>46</b>
<b>Water Treatment Equipment</b>	<b>46 80</b>
<b>General Water Treatment Equipment</b>	<b>46 82</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3913 EA SPA 2038. Modify 6712, 3700, GLS or portable refrigerator for booster pump (not included). (Teledyne Isco 605324038) .....	497.47	29.61
Note: Modifies controller to connect to separate booster pump, use separate 60-5314-861 Spa 1861 booster pump. This modification is not required for model 4700 or 5800 sampler.		
46 82 83 00-3914 EA SPA 2047. SDI-12 Submersible temperature sensor probe for 6700 series sampler. (Teledyne Isco 605324047).....	1,581.76	94.15
Note: Standard length is 59 feet, available with a submersible splice up to 200 feet maximum length for an additional fee. Equipped with a connector for the sampler's rain gauge/IO port.		
46 82 83 00-3915 EA For Each LF Of Extension Cable, Add	1.29	
46 82 83 00-3915 EA 6712Gi GSM Cell Phone Modem Package for North America/Region A. (Teledyne Isco 605324151).....	2,208.25	131.46
Note: This cell phone modem accepts SIM cards purchased by the customer from their preferred provider. Requires comm cable 60-2004-508 to set APN.		
46 82 83 00-3916 EA 6712Gi GSM Cell Phone Modem Package for Europe/Region B. (Teledyne Isco 605324152).....	2,208.25	131.46
Note: This cell phone modem accepts SIM cards purchased by the customer from their preferred provider. Requires comm cable 60-2004-508 to set APN.		
46 82 83 00-3917 EA Complete Pressurized Line Sampling for 6700 Series Sampler, 120 VAC only. (Teledyne Isco 685304001) .....	4,193.21	249.61
Note: Contains pressure reduction valve (60-5314-081), 3-way 120 VAC actuated ball valve (60-5314-082), 6712 I/O alarm box for three-way ball valve (60-5314-484), mounting plate (60-5314-475) and 6712 software enhancement (60-5314-376). Utilizes one of three I/O alarms. Provides a 9 foot 120 VAC line cord and a 10 foot cable to the sampler's I/O rain gauge port. The port is duplicated on the I/O alarm box. Not for use with 6700 or 3700 samplers, contact factory for details.		
46 82 83 00-3918 EA Complete Pressurized Line Sampling for 6700 Series Sampler, 240 VAC only. (Teledyne Isco 685304007) .....	4,734.12	281.81
Note: Contains pressure reduction valve (60-5314-081), 3-way 240 VAC actuated ball valve (60-5314-229), 6712 I/O alarm box for three-way ball valve (60-5314-718), mounting plate (60-5314-475) and 6712 software enhancement (60-5314-376). Provides a 7.5 foot 240 VAC line cord and a 10 foot cable to the sampler's I/O rain gauge port; the port is duplicated on the I/O alarm box. Utilizes one of three I/O alarms. Not for use with 6700 or 3700 samplers, contact factory for details.		
46 82 83 00-3919 EA 5800 Refrigerated Sampler (115 VAC, 60 Hz). Includes control panel, refrigeration unit, distributor arm, two pump tubes, instruction manual, and pocket guide. (Teledyne Isco 685800001) .....	6,912.60	411.48
Note: To receive a complete system you must also order a bottle configuration kit and suction line with strainer.		
46 82 83 00-3920 EA 5800 Refrigerated Sampler (115 VAC, 60 Hz) with pump heater. Includes control panel, refrigeration unit, pump housing heater, distributor arm, two pump tubes, instruction manual, and pocket guide. (Teledyne Isco 685800102) .....	7,618.50	453.50
Note: To receive a complete system you must also order a bottle configuration kit and suction line with strainer.		
46 82 83 00-3921 EA 5800 Refrigerated Sampler (115 VAC, 60 Hz) with battery backed power. Includes control panel, refrigeration unit, distributor arm, battery backed connector adaptor, 6.5 AH lead-acid battery, battery bracket, two pump tubes, instruction manual, and pocket guide. (Teledyne Isco 685800064).....	7,504.36	446.71
Note: To receive a complete system you must also order a bottle configuration kit and suction line with strainer.		
46 82 83 00-3922 EA 5800 Refrigerated Sampler (230 VAC, 50 Hz). Includes control panel, refrigeration unit, distributor arm, two pump tubes, instruction manual, and pocket guide. (Teledyne Isco 685800002) .....	6,912.60	411.48
Note: To receive a complete system you must also order a bottle configuration kit and suction line with strainer.		
46 82 83 00-3923 EA 5800 Refrigerated Sampler (230 VAC, 50 Hz) with battery backed power. Includes control panel, refrigeration unit, distributor arm, battery backed connector adaptor, 6.5 AH lead-acid battery, battery bracket, two pump tubes, instruction manual, and pocket guide. (Teledyne Isco 685800065).....	7,504.36	446.71
Note: To receive a complete system you must also order a bottle configuration kit and suction line with strainer.		
46 82 83 00-3924 EA 5800 Refrigerated Sampler (230 VAC, 50 Hz) with pump heater. Includes control panel, refrigeration unit, pump heater, distributor arm, two pump tubes, instruction manual, and pocket guide. (Teledyne Isco 685800103).....	7,618.50	453.50
Note: To receive a complete system you must also order a bottle configuration kit and suction line with strainer.		
46 82 83 00-3925 EA 5800 Refrigerated Sampler (115 VAC, 60 Hz) with pump heater and battery backed power. Includes control panel, refrigerator unit, pump housing heater, batter backed connector adaptor, 6.5 AH lead-acid battery, battery bracket, distributor arm, two pump tubes, instruction manual, and pocket guide. (Teledyne Isco 685800200) .....	7,580.04	451.21
Note: To receive a complete system you must also order a bottle configuration kit and suction line with strainer.		
46 82 83 00-3926 EA 5800 Refrigerated Sampler (230 VAC, 50 Hz) with pump heater and battery backed power. Includes control panel, refrigerator unit, pump housing heater, batter backed connector adaptor, 6.5 AH lead-acid battery, battery bracket, distributor arm, two pump tubes, instruction manual, and pocket guide. (Teledyne Isco 685800201) .....	7,468.38	444.57
Note: To receive a complete system you must also order a bottle configuration kit and suction line with strainer.		
46 82 83 00-3927 EA 5800 Chinese Refrigerated Sampler (230 VAC, 50 Hz). Includes control panel, refrigeration unit, distributor arm, two pump tubes, instruction manual, and pocket guide. (Teledyne Isco 685800003).....	6,912.60	411.48
Note: To receive a complete system you must also order a bottle configuration kit and suction line with strainer.		
46 82 83 00-3928 EA 5800 Chinese Refrigerated Sampler (230 VAC, 50 Hz) with battery backed power. Includes control panel, refrigeration unit, distributor arm, battery backed connector adaptor, 6.5 AH lead-acid battery, battery bracket, two pump tubes, instruction manual, and pocket guide. (Teledyne Isco 685800066).....	7,393.94	440.13
Note: To receive a complete system you must also order a bottle configuration kit and suction line with strainer.		
46 82 83 00-3929 EA 5800 Chinese Refrigerated Sampler (230 VAC, 50 Hz) with pump heater. Includes control panel, refrigeration unit, pump heater, distributor arm, two pump tubes, instruction manual, and pocket guide. (Teledyne Isco 685800104).....	7,505.60	446.78
Note: To receive a complete system you must also order a bottle configuration kit and suction line with strainer.		
46 82 83 00-3930 EA 24-bottle Configuration. Includes 24 polypropylene 1-liter wedge shaped bottles with caps, bottle rack and two discharge tubes. (Teledyne Isco 685800015).....	459.02	27.33
46 82 83 00-3931 EA 24-bottle Configuration. Includes 24 glass 350-ml round bottles with PTFE line caps, retaining rings, bottle rack and two discharge tubes. (Teledyne Isco 685800016) .....	730.71	43.50
46 82 83 00-3932 EA 24-Container ProPak Configuration. Includes 25 holders, 100 bags, retaining ring, bottle rack and instruction sheet. (Teledyne Isco 685800017) .....	1,133.90	67.50
46 82 83 00-3933 EA 4-bottle Configuration. Includes four polyethylene 10-liter (2.5 gallon) round bottles with caps, locating base and two discharge tubes. (Teledyne Isco 685800005) .....	528.51	31.46
46 82 83 00-3934 EA 4-bottle Configuration. Includes four glass 10-liter (2.5 gallon) round bottles with PTFE lined caps, locating base and two discharge tubes. (Teledyne Isco 685800006) .....	528.51	31.46
46 82 83 00-3935 EA 4-bottle Configuration. Includes four PPE 20-liter (5 gallon) Square bottles with PTFE lined caps, locating base, distributor arm, and two discharge tubes. (Teledyne Isco 685800019) .....	573.16	34.12
46 82 83 00-3936 EA 2-bottle Configuration. Includes two polyethylene 10-liter (2.5 gallon) round bottles, locating base, caps and two discharge tubes. (Teledyne Isco 685800007).....	428.00	25.48
46 82 83 00-3937 EA 2-bottle Configuration. Includes two glass 10-liter (2.5 gallon) round bottles with PTFE lined caps, locating base, and two discharge tubes. (Teledyne Isco 685800008).....	428.00	25.48
46 82 83 00-3938 EA 1-bottle Configuration. Includes one polyethylene 2.5-gallon (10-liter) round bottle, locating base, two caps and two discharge tubes. (Teledyne Isco 685800009) .....	227.03	13.51
46 82 83 00-3939 EA 1-bottle Configuration. Includes one glass 2.5-gallon (10-liter) round bottle, one PTFE lined cap, locating base, and two discharge tubes. (Teledyne Isco 685800010) .....	227.03	13.51

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3940 EA Single ProPak Configuration for 5800 and 6700 Series FR Refrigerated Sampler. Includes one composite ProPak holder with cap, 100 ProPak bags, O-ring, two discharge tubes, locating base and an instruction sheet. (Teledyne Isco 685800018) .....	339.92	20.23
46 82 83 00-3941 EA 1-bottle Configuration. Includes one polyethylene 20.5-liter (5.5 gallon) round bottle, two caps and two discharge tubes. (Teledyne Isco 685800011) .....	239.44	14.25
46 82 83 00-3942 EA 1-bottle Configuration. Includes one glass 18.5-liter (5 gallon) round bottle, two PTFE lined caps and two discharge tubes. (Teledyne Isco 685800012) .....	428.00	25.48
46 82 83 00-3943 EA 5800 replacement control panel assembly (Teledyne Isco 605804031) .....	761.73	45.34
46 82 83 00-3944 EA 5800 refrigerated sampler multipurpose cable with 16 unterminated leads, 10 ft. (3 m). Includes instruction sheet. (Teledyne Isco 685800020) .....	119.10	7.09
46 82 83 00-3945 EA USB Communication Cable, 10 ft, for 5800 refrigerated sampler. (Teledyne Isco 605804177) .....	359.77	21.41
46 82 83 00-3946 EA SPA 1687. 5800/4700 refrigerated sampler to 4100/4200 series flow meter connect cable, cut to length. (Teledyne Isco 605314687) .....	198.48	11.81
Note: Specify length when ordering. Not for use with 2100 systems.		
<i>For Each LF Of Extension Cable, Add</i>	2.75	
46 82 83 00-3947 EA SPA 1697. Adapter, 5800/4700 series sampler to 6700/3700 series sampler standard 6 pin 'flow meter' port, cut to length. Connects to the 16-pin external device connector. The other end is finished with a flow meter port connector identical to the port found on 6700 and 3700 samplers. (Teledyne Isco 605314697) .....	161.28	9.60
Note: Use SPA 1704 for an adaptor that also provides a duplicate of the 16 pin connector from the 5800/4700 series sampler.		
<i>For Each LF Of Extension Cable, Add</i>	2.75	
46 82 83 00-3948 EA SPA 1698. 5800/4700 refrigerated sampler dual 16 pin standard external device connection box. (Teledyne Isco 605314698) .....	397.00	23.62
Note: Provides for two external device connectors through the sampler's standard 16 pin connector.		
46 82 83 00-3949 EA SPA 1704. Dual Connector Adapter, 5800/4700 refrigerated sampler to 6700/3700 series standard 6 pin 'flow meter' port and 5800/4700's 16 pin standard connector. (Teledyne Isco 605314704) .....	315.11	18.76
46 82 83 00-3950 EA SPA 1706. Dual Connector Adapter, 5800/4700 refrigerated sampler to 6712 standard 9 socket 'I/O output' port and 5800/4700 16 pin standard connector. (Teledyne Isco 605314706) .....	321.31	19.12
Note: Provides for connection to external equipment normally connected to the 6712's I/O port for 5800/4700 alarm outputs and duplicates the 5800/4700's 16-pin external device connector.		
46 82 83 00-3951 EA SPA 1738. Cut to length version of 5800/4700 refrigerated sampler multipurpose cable with 16 unterminated leads, 100 ft. maximum length. Includes instruction sheet. (Teledyne Isco 605314738) .....	102.97	6.13
<i>For Each LF Of Extension Cable, Add</i>	2.75	
46 82 83 00-3952 EA SPA 1777. 5800/4700 refrigerated sampler to 3010 flow transmitter connect cable, cut to length. (Teledyne Isco 605314777) .....	161.28	9.60
Note: For non-conduit wiring, a watertight cord grip fitting (part number 209-0076-08) is required.		
<i>For Each LF Of Extension Cable, Add</i>	2.75	
46 82 83 00-3953 EA 5800/4700 Pump heater installation kit - 120 VAC, 60 Hz. Includes installation instruction sheet. (Teledyne Isco 684700104) .....	704.66	41.94
46 82 83 00-3954 EA 5800 Pump heater installation kit - 220 VAC, 50 Hz. Includes installation instruction sheet. (Teledyne Isco 685800060) .....	704.66	41.94
46 82 83 00-3955 EA TIENet® 306 sampler interface cable for 5800 series sampler with 16 ft (5m) long cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature® meter. (Teledyne Isco 605804178) .....	449.09	26.73
Note: Connects to the 4700/5800 16-pin connector to support sampler pacing and enable functions.		
46 82 83 00-3956 EA TIENet® 306 sampler interface cable for 5800 series sampler with 32.8 ft (10 m) long cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature® meter. (Teledyne Isco 605804179) .....	487.55	29.03
Note: Connects to the 4700/5800 16-pin connector to support sampler pacing and enable functions.		
46 82 83 00-3957 EA TIENet® 306 sampler interface cable for 5800 series sampler with 75 ft (23 m) long cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature® meter. (Teledyne Isco 605804180) .....	601.69	35.82
Note: Connects to the 4700/5800 16-pin connector to support sampler pacing and enable functions.		
46 82 83 00-3958 EA Discharge Tubing. For GLS, GSS samplers, and 5800/4700 samplers single 20 liter bottle configuration. (Teledyne Isco 602953032) .....	16.13	0.96
46 82 83 00-3959 EA 5800 Sampler instruction manual (Teledyne Isco 605804051) .....	65.57	
46 82 83 00-3960 EA 5800 Sampler Pocket Guide (Teledyne Isco 695803085) .....	13.11	
46 82 83 00-3961 EA 5800 Sampler Quick Reference Card (Teledyne Isco 695803084) .....	3.28	
46 82 83 00-3962 EA SPA 921. GLS/3700/6700/Signature Portable Custom Length Connect cable for external 12 VDC source via ring terminals. Cable for powering portable Isco sampler or flow meters from an external 12 VDC source, such as an automotive or deep-cycle marine battery. Terminates in 5/16" terminals for direct connection to external battery. (Teledyne Isco 605304921) .....	109.18	6.50
Note: For use with Isco GLS, 3700, 6100, 6700 Series portable samplers and Signature Portable flow meters. Remember to specify the length of this product. Max length is 50 ft. Appropriate for 40W and 110W solar panels. Contact SPA department for details regarding connection to 5800/4700 refrigerated sampler with battery backed input.		
<i>For Each LF Of Extension Cable, Add</i>	2.38	
46 82 83 00-3963 EA SPA 1562. Sampler Interface for 2110/2150, cut to length interface that connects to the top connector of the 2100 series. (Teledyne Isco 605314562) .....	341.17	20.31
Note: Used when a 2108 is connected to the bottom of the 2100 stack. Maximum length is 1000 ft, minimum length 5 ft. to allow between 6712/3700 sampler's flow meter port and 2110 or 2150. For 5800/4700 sampler order in tandem with part number 60-5314-697.		
<i>For Each LF Of Extension Cable, Add</i>	2.38	
46 82 83 00-3964 EA SPA 1710. 5800/4700 refrigerated sampler output #1 alarm box. This external box connects to the 5800/4700 sampler's 16-pin external device connector via a 9 ft. cable. (Teledyne Isco 605314710) .....	679.85	40.47
Note: When the alarm output #1 becomes active, the box provides an unpowered Form C contact alarm. The alarm has a toggle/latch switch to either hold or toggle the alarm, if applicable, and includes a 3 ft. connect cable. The 5800/4700 sampler's 16-pin external device connector is duplicated on this box. Not for use with pressurized line sampling system, contact factory for details.		
46 82 83 00-3965 EA SPA 1711. 5800/4700 refrigerated sampler output #1 and 2 alarm box. This external box connects to the 5800/4700 sampler's 16-pin external device connector via a 9 ft. cable. (Teledyne Isco 605314711) .....	792.73	47.19
Note: When an alarm output becomes active, the box provides an unpowered Form C contact alarm. Each alarm has a toggle/latch switch to either hold or toggle the alarm, if applicable, and includes a 3 ft. connect cable. The 5800/4700 sampler's 16-pin external device connector is duplicated on this box. Not for use with pressurized line sampling system, contact factory for details.		



<b>Water And Wastewater Equipment</b>	<b>46</b>
<b>Water Treatment Equipment</b>	<b>46 80</b>
<b>General Water Treatment Equipment</b>	<b>46 82</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3966	EA		SPA 1712. 5800/4700 refrigerated sampler output #1, 2, and 3 alarm box. This external box connects to the 5800/4700 sampler's 16-pin external device connector via a 9 ft. cable. (Teledyne Isco 605314712) .....1,019.76 Note: When an alarm output becomes active, the box provides an unpowered Form C contact alarm. Each alarm has a toggle/latch switch to either hold or toggle the alarm, if applicable, and includes a 3 ft. connect cable. The 5800/4700 sampler's 16-pin external device connector is duplicated on this box. Not for use with pressurized line sampling system, contact factory for details.	1,019.76	60.70
46 82 83 00-3967	EA		SPA 1713. 5800/4700 refrigerated sampler output #1, 2, 3, and 4 alarm box. (Teledyne Isco 605314713) .....1,158.73 Note: This external box connects to the 5800/4700 sampler's 16-pin external device connector via a 9 ft. cable. When an alarm output becomes active, the box provides an unpowered Form C contact alarm. Each alarm has a toggle/latch switch to either hold or toggle the alarm, if applicable, and includes a 3 ft. connect cable. The 5800/4700 sampler's 16-pin external device connector is duplicated on this box. Not for use with pressurized line sampling system, contact factory for details.	1,158.73	68.97
46 82 83 00-3968	EA		SPA 1764. 5800/4700 refrigerator sampler door open alarm. (Teledyne Isco 605314764) .....235.71 Note: This hardware and software modification detects when the door is open. Because the sampler controller checks peripheral inputs every five seconds, it may take up to ten seconds to detect the DOOR OPEN condition and issuing the alarm on the output pin.	235.71	14.03
46 82 83 00-3969	EA		SPA 1772. 5800/4700 refrigerated sampler output #1, 2, 3, 4 and composite bottle full alarm box. This external box connects to the 5800/4700 sampler's 16-pin external device connector via a 9 ft. cable. When an alarm output becomes active, the box provides an unpowered Form C contact alarm. (Teledyne Isco 605314772) .....2,338.53 Note: Provides liquid level actuator probe for placement into composite sample container with separate alarm. Each alarm has a toggle/latch switch to either hold or toggle the alarm, if applicable, and includes a 3 ft. connect cable. This box provides a total of up to 5 alarms. The 5800/4700 refrigerated sampler's 16-pin external device connector is duplicated on this box. Not for use with pressurized line sampling system, contact factory for details.	2,338.53	139.20
46 82 83 00-3970	EA		Complete pressurized line sampling for 5800/4700 refrigerated sampler, 240 VAC only. Contains pressure reduction valve (60-5314-081), 3-way 240 VAC actuated ball valve (60-5314-229), 5800/4700 refrigerated sampler output alarm box for 240VAC 3-way ball valve (60-5314-717) and mounting plate (60-5314-475). (Teledyne Isco 685304005) .....4,734.12 Note: Provides a 7.5 foot 240 VAC line cord and a 9 foot cable to the sampler's 16 pin external port; the port is duplicated on the output alarm box. Utilizes 1 of 4 output alarms. Not for use with 6700 or 3700 samplers, contact factory for details.	4,734.12	281.81
46 82 83 00-3971	EA		Complete pressurized line sampling for 5800/4700 refrigerated sampler, 120 VAC only. Contains pressure reduction valve (60-5314-081), 3-way 120 VAC actuated ball valve (60-5314-082), 5800/4700 refrigerated sampler I/O alarm box for 120VAC 3-way ball valve (60-5314-716) and mounting plate (60-5314-475). (Teledyne Isco 685304006) .....4,193.21	4,193.21	249.61
46 82 83 00-3972	EA		SPA 1694. 2-bottle Configuration for 5800/4700 sampler. Includes two polypropylene 20-liter (5.5 gallon) rectangular bottles with caps, bottle locating deck, and modified distributor arm assembly. (Teledyne Isco 605314694) .....630.22	630.22	37.51
46 82 83 00-3973	EA		SPA 1733. 8 bottle configuration for 5800/4700 refrigerated sampler. Specify glass or plastic bottles. 1.8 liter glass or 2 liter plastic bottles. Bottles are included. (Teledyne Isco 605314733) .....806.38 Note: If ordered as a kit a software enhancement must be installed.	806.38	48.00
46 82 83 00-3974	EA		SPA 1798. Bulkhead fitting, PTFE coated for 5800 sampler. (Teledyne Isco 605314798) .....214.62 Note: This fitting routes between the pump tubing and the discharge tube inside of the cooling box of the 5800, often used when sampling for trace metals. Use separate 3/8" Peek coupler 60-5304-983 and 3/8" PTFE coated strainer 60-5304-820 for related items.	214.62	12.78
46 82 83 00-3975	EA		SPA 2019. 5800 Bottle configuration for a quantity of either two or four 2-gallon rectangular plastic bottles, bottles not included. (Teledyne Isco 605324019) .....528.51 Note: Order bottles separately as 299-0013-07 (part number for a single bottle). Provides base, modified distributor arm, two pump tubes, and discharge tube.	528.51	31.46
46 82 83 00-3976	EA		Model 3700 Full Size Portable Sampler. Includes controller, top cover, center section, base, distributor arm, instruction manual, and pocket guide. (Teledyne Isco 683700063) .....3,878.11 Note: Does not include bottle configuration kit or pump tubing.	3,878.11	230.85
46 82 83 00-3977	EA		Model 3700 Full Size Portable Sampler with Jumbo Base. Includes controller, top cover, center section, base, instruction manual, and pocket guide. (Teledyne Isco 683700075) .....4,054.27 Note: Does not include bottle configuration kit or pump tubing.	4,054.27	241.34
46 82 83 00-3978	EA		Model 3700C Portable Compact Sampler. Includes controller, top cover, center section, base, distributor arm, instruction manual, and pocket guide. (Teledyne Isco 683700069) .....3,562.99 Note: Does not include bottle configuration kit or pump tubing.	3,562.99	212.09
46 82 83 00-3979	EA		24-bottle Configuration for 3700 Full Size Portable Sampler. Includes 24 polypropylene 1-liter bottles with caps, bottle retaining ring, and two pump tubes. (Teledyne Isco 683700064) .....264.25	264.25	15.73
46 82 83 00-3980	EA		24-bottle Configuration for 3700 Full Size Portable Sampler. Includes 24 glass 350-ml bottles with caps, bottle retaining ring, and two pump tubes. (Teledyne Isco 683700065) .....428.00	428.00	25.48
46 82 83 00-3981	EA		24 ProPak Configuration Kit for 3700 Full Size Portable Sampler. Includes 25 holders and caps, 1,000 1-liter bags, retaining ring, two pump tubes and instruction sheet. (Teledyne Isco 683700066) .....1,133.90	1,133.90	67.50
46 82 83 00-3982	EA		Conversion Kit. 4-1 gallon bottle rack, bottles not included, Provides metal mounting rack insert. Order (4) 299-0601-28 for 1 gallon poly bottles or (4) 299-0012-19 and (4) 60-3004-203 for 1 gallon glass bottles. (Teledyne Isco 603704192) .....440.41 Note: For use with standard base (not included).	440.41	26.22
46 82 83 00-3983	EA		Single-bottle Configuration for 3700 Full Size Portable Sampler. Includes one polyethylene 2.5 gallon (10-liter) round bottle with cap, locating insert, float overflow shut-off, and two pump tubes. (Teledyne Isco 683700067) .....352.32	352.32	20.97
46 82 83 00-3984	EA		Single-bottle ProPak Configuration for 3700 Full Size Portable Sampler. Includes 100 2-gallon (9-liter) ProPak bags, one holder, one O-ring, one cap, float overflow shut-off and two pump tubes. (Teledyne Isco 683700068) .....452.82	452.82	26.96
46 82 83 00-3985	EA		Single-bottle Configuration for 3700 Full Size Portable Sampler with Jumbo Base. Includes one polyethylene 4-gallon round bottle with cap, float overflow shut-off and two pump tubes. (Teledyne Isco 683700074) .....308.91	308.91	18.39
46 82 83 00-3986	EA		24-bottle Configuration for 3700C Compact Sampler. Includes 24 polyethylene 500-ml bottles with caps, bottle carrier, bottle retaining ring, and two pump tubes. (Teledyne Isco 683700070) .....227.03	227.03	13.51
46 82 83 00-3987	EA		Single Bottle Configuration for 3700C Compact Portable Sampler. Includes one 2.5 gallon (10-liter) polyethylene bottle with cap, float shut-off, and two pump tubes. (Teledyne Isco 683700073) .....352.32	352.32	20.97
46 82 83 00-3988	EA		Single Bottle Configuration for 3700C Compact Portable Sampler. Includes one 2.5-gallon (9.5-liter) glass bottle with cap, float shut-off, and two pump tubes. (Teledyne Isco 683700071) .....352.32	352.32	20.97
46 82 83 00-3989	EA		Single ProPak Configuration for 3700C Compact Portable Sampler. Includes 100 2-gallon ProPak bags, one holder, one O-ring, cap, float shut-off, and two pump tubes. (Teledyne Isco 683700072) .....446.61	446.61	26.59
46 82 83 00-3990	EA		3700 base with 24 wedge shaped 1 liter polypropylene bottles and caps. Includes retaining ring. (Teledyne Isco 603704033) .....630.22	630.22	37.51
46 82 83 00-3991	EA		3700 base with 24 round 350 ml glass bottles and PTFE lined caps. Includes retaining ring. (Teledyne Isco 603704031) .....812.58	812.58	48.37



**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3992 EA 4-gallon (15-liter) round polyethylene bottle with cap. (Teledyne Isco 299001305) .....	132.75	7.90
Note: For single bottle sampling.		
46 82 83 00-3993 EA Conversion kit to adapt center section for single container sampling. Includes pump tubing and float shutoff. (Teledyne Isco 603704045) .....	163.76	9.75
Note: Single container sampling with a 2.5 gallon glass or Nalgene bottle in a standard base requires bottle locating insert 60-3703-062.		
46 82 83 00-3994 EA Locating insert for 2.5 gallon single bottle sampling in standard base. (Teledyne Isco 603703062).....	98.01	5.84
Note: Positions single container for proper sample routing. Used with the 2700 and 3700 portable, full size sampler.		
46 82 83 00-3995 EA Bottle carrier with 24 wedge shaped 500 ml polyethylene bottles and caps (Teledyne Isco 683700030).....	214.62	12.78
46 82 83 00-3996 EA Distributor arm for 3700C (Teledyne Isco 603704135) .....	99.24	5.91
46 82 83 00-3997 EA Model 3710 Full Size Portable Sampler. Includes controller, top cover, center section with float shut-off, base, instruction manual, and pocket guide. (Teledyne Isco 683710015) .....	3,085.35	183.67
Note: Does not include bottle configuration kit or pump tubing.		
46 82 83 00-3998 EA Model 3710C Compact Portable Sampler. Includes controller, top cover, center section with float shut-off, base, instruction manual, and pocket guide. (Teledyne Isco 683710021) .....	2,745.43	163.43
Note: Does not include bottle configuration kit or pump tubing.		
46 82 83 00-3999 EA Single-bottle Configuration for 3710 Full Size Portable Sampler. Includes one polyethylene 2.5-gallon (10-liter) round bottle with cap, locating insert, and two pump tubes. (Teledyne Isco 683710018).....	352.32	20.97
46 82 83 00-4000 EA Single-bottle Configuration for 3710 Full Size Portable Sampler. Includes one glass 2.5-gallon (9.5-liter) round bottle with cap, locating insert, and two pump tubes. (Teledyne Isco 683710017) .....	352.32	20.97
46 82 83 00-4001 EA Single-bottle Configuration for 3710 Full Size Portable Sampler. Includes one polyethylene 4-gallon round bottle with cap and two pump tubes. (Teledyne Isco 683710016) .....	227.03	13.51
46 82 83 00-4002 EA Single ProPak Configuration for 3710 Full Size Portable Sampler. Includes 100 2-gallon ProPak bags, one holder, one O-ring, cap, locating insert and two pump tubes. (Teledyne Isco 683710019) .....	452.82	26.96
46 82 83 00-4003 EA Single-bottle Configuration for 3710C Compact Portable Sampler. Includes on polyethylene 2.5-gallon (10-liter) round bottle with cap, and two pump tubes. (Teledyne Isco 683710022) .....	352.32	20.97
46 82 83 00-4004 EA Single-bottle Configuration for 3710C Compact Portable Sampler. Includes one glass 2.5-gallon (9.5-liter) round bottle with cap, and two pump tubes. (Teledyne Isco 683710020) .....	352.32	20.97
46 82 83 00-4005 EA Single ProPak Configuration for 3710C Compact Portable Sampler. Includes 100 2-gallon ProPak bags, one holder, one O-ring, cap, and two pump tubes. (Teledyne Isco 683710023) .....	452.82	26.96
46 82 83 00-4006 EA 3710 Full-size base assembly. (Teledyne Isco 603714012) .....	452.82	26.96
46 82 83 00-4007 EA 1/4 inch stainless steel strainer, low flow. (Teledyne Isco 692903139).....	75.68	4.51
46 82 83 00-4008 EA 1/4 inch ID vinyl suction line - 100 ft. Includes tubing coupler. (Teledyne Isco 681680055) .....	74.43	4.43
46 82 83 00-4009 EA 1/4 inch ID vinyl suction line - 500 ft. Includes two tubing couplers. (Teledyne Isco 681680056) .....	327.52	19.50
46 82 83 00-4010 EA 1/4 inch ID vinyl suction line - 1,000 ft. Includes two tubing couplers. (Teledyne Isco 681680057) .....	528.51	31.46
46 82 83 00-4011 EA Tubing coupler, 1/4 inch. One-piece, clampless coupler made of stainless steel. (Teledyne Isco 603709001).....	26.05	1.55
Note: For 1/4 inch vinyl tubing.		
46 82 83 00-4012 EA 1/4 inch ID vinyl suction line with low stainless steel strainer, 25 ft. length. Includes tubing coupler. (Teledyne Isco 603704068) .....	132.75	7.90
46 82 83 00-4013 EA Silicone rubber pump tubing for Model 3700 Sampler (24 and 12 bottle sampling only), and all bottle configurations for Model 3700C Sampler. (Teledyne Isco 603704026) .....	39.70	2.36
Note: 3700FR samplers modified for four 10-liter bottles (SPA 60-5314-012) use this pump tube, however customer must cut 1-7/8 inch from the tube for a finished length of 40-1/8 inches. Quantity 1.		
46 82 83 00-4014 EA Silicone pump tubing. For Model 3700 Full-size Sampler (24 and 12 bottle sampling only). Quantity 10. (Teledyne Isco 603700038).....	397.00	23.62
46 82 83 00-4015 EA Silicone pump tubing for Model 3700 Full-size (4 bottle sampling only) and 3700C (24 and 12 bottle sampling only) portable samplers, and 3710FR Refrigerated samplers. Quantity 1. (Teledyne Isco 603714019).....	37.22	2.21
46 82 83 00-4016 EA Silicone pump tubing for Model 3700 Full-size and 3700C single bottle sampling. Quantity 1. (Teledyne Isco 603704046) .....	39.70	2.36
46 82 83 00-4017 EA Silicone pump tubing; for the Model 3710 Full-size Sampler. Quantity 1. (Teledyne Isco 603714009) .....	32.26	1.92
46 82 83 00-4018 EA Silicone pump tubing for the Model 3710C Compact Sampler. Quantity 1. (Teledyne Isco 603714038).....	31.01	1.85
46 82 83 00-4019 EA 1-Piece Interrogator Cable, 10 ft. (3m). (Teledyne Isco 602544044).....	112.89	6.72
Note: Connects 4100, 4200 Series Flow Meters and 6700 Series/Avalanche Samplers to PC with 9-pin serial data connector.		
46 82 83 00-4020 EA 1-Piece Interrogator Cable, 10 ft., connects computer to sampler or flow meter. (Teledyne Isco 602544040).....	111.65	6.65
Note: For computer with 25-pin connector.		
46 82 83 00-4021 EA SPA 849. Nine-pin Serial Interrogator Cable for Sampler Models 6712/Avalanche/3700, built to length. (Teledyne Isco 605304849).....	193.53	11.52
Note: Used in applications where interrogation of the instrument is at distances greater than 10 ft., but not exceeding 200 ft.		
For Each LF Of Extension Cable, Add	1.61	
46 82 83 00-4022 EA 1000 mL graduated cylinder. For precise calibration of sample volume. (Teledyne Isco 299002000).....	73.19	4.36
46 82 83 00-4023 EA Locking harness for 3710 full-size sampler. (Teledyne Isco 683700056) .....	122.82	7.31
46 82 83 00-4024 EA Locking harness for 3700C and 3710C compact samplers. (Teledyne Isco 686700111) .....	138.94	8.27
46 82 83 00-4025 EA Locating deck for 2-1/2 gallon bottle. For 3710 Full-size sampler. (Teledyne Isco 603713013) .....	63.27	3.77
46 82 83 00-4026 EA Connect cable for external 12 VDC source. Six ft. cable for powering portable Isco sampler or flow meters from an external 12 VDC source, such as an automotive or deep-cycle marine battery. Terminates in heavy-duty battery clips. (Teledyne Isco 601394023).....	96.77	5.77
Note: For use with Isco GLS, 3700, 6100, 6700 Series portable samplers; 4200 Series flow meters, and 150 Portable Peristaltic Pump.		
46 82 83 00-4027 EA Isco sampler to flow meter connect cable, 25 ft. (7.6 m). (Teledyne Isco 603004107) .....	157.56	9.38
46 82 83 00-4028 EA Consecutive operation (Master/Slave) cable. (Teledyne Isco 603704065) .....	138.94	8.27
Note: Connects two Isco samplers to operate in successive order.		
46 82 83 00-4029 EA Consecutive operation (Master/Slave) 'Y' connect cable. (Teledyne Isco 603704080).....	184.85	11.01
Note: Connects two Isco samplers to operate in successive order and allows connection of Isco open channel flow meter for sample pacing and event logging.		
46 82 83 00-4030 EA Isco flow meter to Isco sampler 'Y' connect cable. (Teledyne Isco 603704081) .....	214.62	12.78
Note: Allows a single Isco open channel flow meter, logger, or transmitter to flow pace two Isco samplers. Each leg of the Y-cable is 1 ft. long and connects to two Isco sampler to flow meter connect cables (60-3004-107, not included). Not for use with the Type E Interface (60-1784-024); use alternate 'Y' connect cable 60-5304-391.		
46 82 83 00-4031 EA Sampler to Isco flow meter and actuator cable. (Teledyne Isco 603004019).....	223.31	13.29
Note: Allows connection of Isco sampler and Isco flow meter and has additional connection for external sample initiation. Each leg of the Y-cable is 1 ft. long and connects to an Isco sampler for flow meter connect cable (60-3004-107, not included) and the Model 1640 LLA (60-1644-000, not included).		



<b>Water And Wastewater Equipment</b>	<b>46</b>
<b>Water Treatment Equipment</b>	<b>46 80</b>
<b>General Water Treatment Equipment</b>	<b>46 82</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4032 EA Non-Isco flow meter connector. Connector Only. (Teledyne Isco 681680060).....	48.39	2.88
Note: Allows connection of a non-Isco flow meter to an Isco sampler. The flow meter must produce a dry contact closure proportional to flow rate.		
46 82 83 00-4033 EA Non-Isco flow meter connect cable. (Teledyne Isco 601394077) .....	79.40	4.73
Note: Allows connection of a non-Isco flow meter to an Isco sampler. The flow meter must produce a dry contact closure proportional to flow rate. Includes the connector with 22 ft. (6.7 m) of cable terminating in two wires.		
46 82 83 00-4034 EA 4-20 mA input interface for 3700 Series Samplers. (Teledyne Isco 603704037).....	230.75	13.73
Note: Converts an analog 4-20 mA flow proportional signal to a compatible flow proportional input signal for Isco samplers. Connects directly to the sampler's flow meter connector.		
46 82 83 00-4035 EA Sampler controller for 3700 and 3700C Samplers. Includes instruction manual, pocket guide, and pump tubing. (Teledyne Isco 683700004).....	2,833.52	168.66
46 82 83 00-4036 EA 3700 Sampler instruction manual (Teledyne Isco 603704101).....	63.39	
46 82 83 00-4037 EA 3700 Sampler Pocket Guide (Teledyne Isco 603703149) .....	13.11	
46 82 83 00-4038 EA Sampler controller for 3710 Sampler. Includes instruction manual and pump tubing. (Teledyne Isco 683710004).....	2,367.06	140.90
46 82 83 00-4039 EA 3710 Sampler instruction manual (Teledyne Isco 603714041).....	63.39	
46 82 83 00-4040 EA 3710 Sampler Pocket Guide (Teledyne Isco 603713036) .....	14.21	
46 82 83 00-4041 EA SPA 648. Modification to 3700 series sampler for single alarm upon program complete or various run errors. (Teledyne Isco 605304648).....	452.82	26.96
Note: This modification allows for an alarm on the following conditions: program done, no liquid detected, distributor/pump jammed, etc. This is a combination alarm that will be activated for any of the above conditions. It will be necessary to view the display status to ascertain the exact nature of the alarm.		
46 82 83 00-4042 EA SPA 762. Ultra Low Flow 1/4-inch Stainless Steel Strainer. This strainer is equipped with a single 1/4-inch hole located on the bottom. A 2-inch wide flat plate secures the hole toward the bottom. Dimensions are 3-inches long, 2-inches wide due to flat plate and 1/2-inch high. (Teledyne Isco 605304762).....	182.37	10.86
46 82 83 00-4043 EA SPA 1079. Norprene Pump Tube for the 3700/3710 samplers. (Teledyne Isco 605314079) .....	554.55	33.00
Note: Norprene is a black, heavy duty pump tubing for sampling applications with strong acids or base. It is also useful where premature pump tube failures are occurring. This tubing is NOT EPA approved. Available in 50 ft. lengths only.		
46 82 83 00-4044 EA SPA 1836. 12-1 liter glass bottle configuration. Includes base, bottles with PTFE lined lids, bottle retaining ring, distributor arm and two pump tubes for 12 bottle sampling for the standard portable 3700. (Teledyne Isco 605314836) .....	832.45	49.55
46 82 83 00-4045 EA SPA 1852. 12-1 liter plastic bottles, base and two pump tubes for 12 bottle sampling for the standard portable 3700. (Teledyne Isco 605314852).....	811.35	48.30
46 82 83 00-4046 EA SPA 977. Modify 3700 series samplers for dual alarm output. Similar to SPA 648 but has two independent alarms, one for program errors and one for program done. Form C alarm contacts accessible via a 10 foot Y cable that is included. (Teledyne Isco 605304977).....	602.93	35.89
46 82 83 00-4047 EA SPA 2016. SST strainer 1/4-inch. Similar to SPA 1552 but for 1/4-inch suction line. (Teledyne Isco 605324016).....	214.62	12.78
Note: This will affect line velocity if employed with 6712 or 5800/4700 samplers.		
46 82 83 00-4048 EA GLS Sampler with 2.5 gallon (10 liter) polypropylene bottle. (Teledyne Isco 682950001).....	2,757.84	164.17
46 82 83 00-4049 EA GLS Sampler with 2.5 gallon (9.5 liter) glass bottle. (Teledyne Isco 682950002).....	2,757.84	164.17
46 82 83 00-4050 EA GLS Sampler with 1 gallon (3.75 liter) polypropylene bottle. (Teledyne Isco 682950003).....	2,757.84	164.17
46 82 83 00-4051 EA GLS Sampler with one composite ProPak holder, 100 2-gallon (9-liter) ProPak bags, and O-ring. (Teledyne Isco 682950005) .....	2,909.19	173.17
46 82 83 00-4052 EA GLS Sampler Top Cover (Teledyne Isco 602954018).....	155.07	9.23
46 82 83 00-4053 EA GLS Sampler Suspension Harness (Teledyne Isco 602954033).....	40.94	2.43
46 82 83 00-4054 EA GLS Sampler Replacement Controller (Teledyne Isco 602954001) .....	1,850.97	110.18
Note: Does not include instruction manual or pump tubing.		
46 82 83 00-4055 EA 1 gallon round polypropylene bottle with cap (Teledyne Isco 299060128) .....	23.58	1.41
46 82 83 00-4056 EA GLS, GSS, and Glacier sampler update cable. (Teledyne Isco 602954021) .....	192.29	11.45
46 82 83 00-4057 EA GLS Sampler Pump Tube. Quantity 1. (Teledyne Isco 602954030) .....	21.09	1.26
46 82 83 00-4058 EA GLS Sampler instruction manual (Teledyne Isco 602954058).....	62.30	
46 82 83 00-4059 EA GLS Sampler Pocket Guide (Teledyne Isco 692953030) .....	14.21	
46 82 83 00-4060 EA GLS Sampler Quick Reference Card (Teledyne Isco 692953033) .....	3.28	
46 82 83 00-4061 EA Avalanche Sampler for AC (120/240 V) or external DC (12 V) powered applications, with attached North American AC power cord. Includes distributor arm, instruction manual, pocket guide, two pump tubes, 12 VDC power cable with heavy-duty battery clips, and 12 VDC power cable with cigarette lighter plug. (Teledyne Isco 682970003).....	7,054.03	419.89
46 82 83 00-4062 EA Avalanche Sampler for AC (120/240 V) or external DC (12 V) powered applications, with attached AC power cord and European plug adapter. Includes distributor arm, instruction manual, pocket guide, two pump tubes, 12 VDC power cable with heavy-duty battery clips, and 12 VDC power cable with cigarette lighter plug. (Teledyne Isco 682970005) .....	7,054.03	419.89
46 82 83 00-4063 EA Avalanche 14-bottle configuration. Includes 14 polypropylene 950-ml bottles with caps, two discharge tubes, bottle carrier and adapter. (Teledyne Isco 682970001).....	476.39	28.35
46 82 83 00-4064 EA Avalanche 4-bottle configuration. Includes 4 polypropylene 5-liter bottles with caps, two discharge tubes and adapter. (Teledyne Isco 682970002).....	137.70	8.20
46 82 83 00-4065 EA Avalanche 2.5 gal (10 liter) glass bottle with PTFE lined caps. Includes two discharge tubes and adapter. (Teledyne Isco 682970006).....	231.99	13.81
46 82 83 00-4066 EA Avalanche 2.5 gal (10 liter) Nalgene bottle configuration. Includes two discharge tubes and adapter. (Teledyne Isco 682970009).....	231.99	13.81
46 82 83 00-4067 EA Avalanche 5.3 gal (20 liter) lightweight polyethylene bottle with caps. Includes two discharge tubes. (Teledyne Isco 682970008).....	88.09	5.24
46 82 83 00-4068 EA Glacier/Avalanche Mobility Kit. Includes frame with lifting handles, pneumatic tires, battery shelf, and pull handle. (Teledyne Isco 682960004).....	669.93	39.88
46 82 83 00-4069 EA Avalanche Distributor Arm (Teledyne Isco 602974025).....	74.43	4.43
46 82 83 00-4070 EA Avalanche 950 ml polypropylene wedge-shaped bottles with caps, quantity 14. (Teledyne Isco 682970012) .....	131.51	7.83
46 82 83 00-4071 EA Avalanche 950 ml polypropylene wedge-shaped bottles with caps, quantity 100. (Teledyne Isco 682970013) .....	1,027.22	61.14
46 82 83 00-4072 EA Avalanche 950 ml polypropylene wedge-shaped bottles with caps, quantity 500. (Teledyne Isco 682970015) .....	4,110.10	244.65
46 82 83 00-4073 EA 5.3 gallon (20 liter) lightweight polyethylene bottle with two caps - quantity 1. (Teledyne Isco 682960014).....	40.94	2.43
46 82 83 00-4074 EA Avalanche controller, includes pump tube. (Teledyne Isco 602974005).....	3,646.11	217.04
46 82 83 00-4075 EA Avalanche locking assembly. (Teledyne Isco 682970014) .....	137.70	8.20
46 82 83 00-4076 EA Connect cable for external 12 VDC source for powering Avalanche or Glacier Portable Refrigerated Sampler only from an external 12V DC source, such as an automotive or deep-cycle marine battery. Terminates in heavy-duty battery clips. (Teledyne Isco 602964021).....	119.10	7.09

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4077 EA Power cable for powering Avalanche or Glacier Portable Refrigerated Sampler through a vehicle cigarette lighter. (Teledyne Isco 480019900).....	117.86	7.01
Note: Comes with 6 ft. (1.8 m) of cable.		
46 82 83 00-4078 EA Avalanche Refrigerator only, portable dual power (120/240 VAC, 12 VDC). (Teledyne Isco 602974003).....	5,087.68	302.85
46 82 83 00-4079 EA Avalanche Refrigerator only, portable dual power (120/240 VAC, 12 VDC) with European power plug. (Teledyne Isco 622970001).....	5,036.81	299.83
46 82 83 00-4080 EA Discharge tube for 14 bottle and 4 bottle configurations (13 inches). (Teledyne Isco 602973054).....	17.37	1.03
46 82 83 00-4081 EA Discharge tube for 2.5 gallon glass, Nalgene, and ProPak bottle (11-1/4 inches). (Teledyne Isco 602963033).....	17.37	1.03
46 82 83 00-4082 EA Avalanche Sampler instruction manual (Teledyne Isco 602974024).....	67.76	
46 82 83 00-4083 EA Avalanche Sampler Pocket Guide (Teledyne Isco 692973046).....	14.21	
46 82 83 00-4084 EA SPA 1501. Avalanche 12-bottle configuration. Includes 12 glass 350-ml bottles with PTFE lined caps, one discharge tube, distributor arm, bottle carrier, and adapter. (Teledyne Isco 605314501).....	982.55	58.49
46 82 83 00-4085 EA SPA 1511. Avalanche 4-bottle configuration. Includes 4 glass 1.8-liter bottles with PTFE lined caps, distributor arm, one discharge tube, adapter shelf, and bottle ring. (Teledyne Isco 605314511).....	497.47	29.61
Note: Requires controller software version 2.10.0001.		
46 82 83 00-4086 EA SPA 1842. Bulkhead fitting for Avalanche sampler, made of PEEK. (Teledyne Isco 605314842).....	227.03	13.51
Note: Similar to PTFE, this bulkhead fitting replaces the current fitting on new or existing Avalanche samplers. Often used when sampling for trace metals. Use separate 3/8" Peek coupler 60-5304-983 and 3/8" PTFE coated strainer 60-5304-820 for related items.		
46 82 83 00-4087 EA Glacier Sampler for AC (120/240 V) or external DC (12 V) powered applications, with North American AC power plug. Includes instruction manual, pocket guide, two pump tubes, 12 VDC power cable with heavy-duty battery clips, and 12 VDC power cable with cigarette lighter plug. (Teledyne Isco 682960001).....	5,225.38	311.05
46 82 83 00-4088 EA Glacier Sampler for AC (120/240 V) or external DC (12 V) powered applications, with European AC power plug. Includes instruction manual, pocket guide, two pump tubes, 12 VDC power cable with heavy-duty battery clips, and 12 VDC power cable with cigarette lighter plug. (Teledyne Isco 682960010).....	5,219.19	310.67
46 82 83 00-4089 EA Glacier 2.5 gal (10-liter) Polyethylene Nalgene bottle kit. Includes cap for sampling and cap for transport, bottle retainer (narrow), and two discharge tubes. (Teledyne Isco 682960005).....	207.18	12.33
46 82 83 00-4090 EA 2.5 (10-liter) Glass bottle with PTFE lined caps. Includes PTFE-lined cap for sampling and PTFE-lined cap for transport, bottle retainer (narrow), and two discharge tubes. (Teledyne Isco 682960006).....	207.18	12.33
46 82 83 00-4091 EA Glacier 2.5 gal (10-liter) lightweight polyethylene bottle kit. Includes cap for sampling and cap for transport, bottle retainer (wide), and two discharge tubes. (Teledyne Isco 682960007).....	48.39	2.88
46 82 83 00-4092 EA 5.3 gallon (20 liter) lightweight polyethylene bottle with caps. Includes cap for sampling and cap for transport, bottle retainer (narrow), and two discharge tubes. (Teledyne Isco 682960008).....	85.59	5.09
46 82 83 00-4093 EA 2-gallon (9 liter) ProPak single use liner with composite holder, O-ring, and 100 liners. Includes two discharge tubes and bottle retainer (narrow). (Teledyne Isco 682960009).....	320.08	19.05
46 82 83 00-4094 EA Glacier controller, includes pump tube. (Teledyne Isco 602964004).....	2,255.40	134.25
46 82 83 00-4095 EA Glacier locking assembly. (Teledyne Isco 682960011).....	122.82	7.31
46 82 83 00-4096 EA Glacier Refrigerator only, portable dual power (120/240 VAC, 12 VDC) with North American power plug. (Teledyne Isco 602964003).....	3,734.20	222.28
46 82 83 00-4097 EA Glacier Refrigerator only, portable dual power (120/240 VAC, 12 VDC) with European power plug. (Teledyne Isco 682960012).....	3,696.97	220.07
46 82 83 00-4098 EA Discharge tube for 2-1/2 gallon rectangular and 5 gallon rectangular light polyethylene bottle (5-1/4 inches long). (Teledyne Isco 602963034).....	17.37	1.03
46 82 83 00-4099 EA Silicone rubber pump tubing, for Glacier Sampler. Quantity 1. (Teledyne Isco 602964013).....	26.05	1.55
46 82 83 00-4100 EA Glacier Sampler instruction manual (Teledyne Isco 602964032).....	63.39	
46 82 83 00-4101 EA Glacier Sampler Pocket Guide (Teledyne Isco 692963018).....	14.21	
46 82 83 00-4102 EA SPA 1523. PTFE Sleeve for Glacier Temperature Sensor. (Teledyne Isco 605314523).....	124.05	7.39
Note: Provides a measure of protection for customers concerned about cross contamination between sample events.		
46 82 83 00-4103 EA SPA 1637. Bulkhead fitting for Glacier sampler, made of PEEK. (Teledyne Isco 605314637).....	248.12	14.76
Note: Similar to PTFE, this bulkhead fitting replaces the current fitting on new or existing Glacier samplers. Often used when sampling for trace metals. Use separate 3/8" Peek coupler 60-5304-983 and 3/8" PTFE coated strainer 60-5304-820 for related items.		
46 82 83 00-4104 EA 3700ZR Sampler (UL Rated Class I Div 1) with 1 Glass 2.5 Gallon Bottle. (Teledyne Isco 683740038).....	43,420.84	2,584.67
46 82 83 00-4105 EA 3700ZR Sampler (UL Rated Class I Div 1) with 1 Plastic 2.5 Gallon Bottle. (Teledyne Isco 683740037).....	43,420.84	2,584.67
46 82 83 00-4106 EA 3700ZR Sampler (UL Rated Class I Div 1) with 2 glass 2.5 Gallon bottles. (Teledyne Isco 683740036).....	43,420.84	2,584.67
46 82 83 00-4107 EA 3700ZR Sampler (UL Rated Class I Div 1) with 2 Plastic 2 Gallon Bottles. (Teledyne Isco 683740035).....	43,420.84	2,584.67
46 82 83 00-4108 EA ProPak kit. Includes 25 holders with caps, 1,000 bags, retaining ring, and instruction sheet (Teledyne Isco 686700085).....	1,101.66	65.58
46 82 83 00-4109 EA ProPak kit. Includes 25 Holders with PTFE lined caps, 1,000 bags, retaining ring, and instruction sheet (Teledyne Isco 686700086).....	1,296.43	77.17
46 82 83 00-4110 EA 24 ProPak holders with PTFE lined caps (Teledyne Isco 686700088).....	308.91	18.39
46 82 83 00-4111 EA 100 ProPak holders with caps (Teledyne Isco 686700089).....	590.95	35.17
46 82 83 00-4112 EA 200 ProPak holders with caps (Teledyne Isco 686700090).....	1,523.45	90.69
46 82 83 00-4113 EA 500 ProPak holders with caps (Teledyne Isco 686700091).....	3,437.70	204.63
46 82 83 00-4114 EA 200 ProPak caps with foam liner (Teledyne Isco 606700092).....	110.42	6.57
46 82 83 00-4115 EA 500 ProPak caps with foam liner (Teledyne Isco 606700093).....	282.86	16.83
46 82 83 00-4116 EA 200 ProPak caps with PTFE liners (Teledyne Isco 606700094).....	434.22	25.84
46 82 83 00-4117 EA 500 ProPak caps with PTFE liners (Teledyne Isco 606700095).....	1,054.50	62.77
46 82 83 00-4118 EA ProPak disposable bags, 1-liter polyethylene - quantity 5,000. (Teledyne Isco 686700097).....	3,148.64	187.42
46 82 83 00-4119 EA ProPak disposable bags, 1-liter polyethylene - quantity 10,000. (Teledyne Isco 686700098).....	5,036.81	299.83
46 82 83 00-4120 EA Instruction sheet ProPak sample bags (Teledyne Isco 609003494).....	1.09	
46 82 83 00-4121 EA ProPak Holder and cap (Teledyne Isco 686700104).....	13.65	0.81
46 82 83 00-4122 EA SPA 1530. Custom ProHanger for up to 36" inch maximum manhole, custom built, state desired 6" span when ordering (Teledyne Isco 605314530).....	1,107.85	65.94
46 82 83 00-4123 EA 581 Rapid Transfer Device (RTD). Includes instruction manual, and power/data transfer cable to connect and power 581 RTD during data transfer to a PC. Power/data transfer cable powered by 120 VAC. (Teledyne Isco 686700056).....	894.47	53.24
Note: Requires Flowlink software.		
46 82 83 00-4124 EA 581 Rapid Transfer Device only. Without power/data transfer cable. Includes instruction manual. (Teledyne Isco 609004027).....	749.32	44.61
46 82 83 00-4125 EA SPA 1639. Power/data transfer cable only. (Teledyne Isco 605314639).....	384.58	22.89
Note: To connect and power a 581 RTD during data transfer to a PC with a USB port. Powered by 120 VAC.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4126 EA Power/data transfer cable only. (Teledyne Isco 609004077)..... Note: To connect and power 581 RTD during data transfer to a PC with a DB-9 pin serial port. Powered by 120 VAC.	200.97	11.96
46 82 83 00-4127 EA Silicone rubber pump tubing, for 24 or 8 bottle sampling applications. Quantity 1. (Teledyne Isco 603704043) .....	48.39	2.88
46 82 83 00-4128 EA Silicone rubber pump tubing, for 2 bottle sampling applications. Quantity 1. (Teledyne Isco 603704053) .....	43.42	2.59
46 82 83 00-4129 EA Silicone rubber pump tubing for single bottle sampling in Model 3700R or 3710R. Quantity 1. (Teledyne Isco 603714018) .....	38.46	2.29
46 82 83 00-4130 EA Silicone rubber pump tubing, for 24 or 8 bottle sampling. Quantity 1. (Teledyne Isco 603704044) .....	49.63	2.95
46 82 83 00-4131 EA Silicone rubber pump tubing, for 2 bottle sampling. Quantity 1. (Teledyne Isco 603704056) .....	43.42	2.59
46 82 83 00-4132 EA Desiccant, 4 ounce Tyvek bag. Used in GLS, Glacier, 3700 Series samplers (two large internal bags); 4100 Series Flow Loggers; 201 and 270 parameter modules; AccQcomm modules and ADFM Pro-20 Canisters. (Teledyne Isco 99000208).....	9.93	
46 82 83 00-4133 EA Desiccant, large filled plastic cartridge. Used on 4230 reference air line. (Teledyne Isco 609004282) .....	78.16	4.65
46 82 83 00-4134 EA Desiccant, bulk 16 ounce bottle of loose yellow silica gel beads (2 to 5 mm). (Teledyne Isco 602004233) .....	59.55	3.55
Note: Used in 2100 Series module desiccant tubes, 4200 Series flow meters, and ADFM secondary depth sensors.		
46 82 83 00-4135 LF SPA 580. Cut to length 1/4" ID vinyl suction line. (Teledyne Isco 605304580) .....	1.11	0.07
Note: Not for use with 6700/6712 or 5800/4700 samplers. 200' maximum length.		
46 82 83 00-4136 EA SPA 1835. Old style 3/8 inch stainless steel strainer. Single piece stainless steel strainer. 7 inches long, 3/4 inches in diameter. (Teledyne Isco 605314835).....	214.62	12.78
46 82 83 00-4137 EA Signature® Ultrasonic flow meter system. Starting price includes base meter 624300005, TIENet 310 ultrasonic level sensor with 32.8 ft (10 m) cable, instruction manual, pocket guide, and coupon for Isco Open Channel Flow Meter Handbook. (Teledyne Isco 684310000).....	3,907.88	232.62
Note: Configured options may include mounting hardware, cable lengths, power, I/O, interfaces, communication, totalizer, and rain gauge connector.		
46 82 83 00-4138 EA Wall mount bracket for 710, 2110, 3010, 4210, and TIENet® 310 Ultrasonic level sensors. (Teledyne Isco 602003615) .....	40.94	2.43
46 82 83 00-4139 EA Floor mount hardware for 710, 2110, 3010, 4210, and TIENet® 310 Ultrasonic level sensors. (Teledyne Isco 602004611) .....	573.16	34.12
46 82 83 00-4140 EA Ultrasonic sensor cable straightener. Recommended when suspending sensor over the flow stream. (Teledyne Isco 604313009).....	71.96	4.29
Note: Attaches to sensor to straighten the cable.		
46 82 83 00-4141 EA Horizontal sensor mount bracket for TIENet 310 Ultrasonic level. (Teledyne Isco 604368020) .....	98.01	5.84
46 82 83 00-4142 EA Ultrasonic sensor sunshade. Shades ultrasonic sensor from direct sunlight in outdoor applications. (Teledyne Isco 603004142) .....	88.09	5.24
46 82 83 00-4143 EA Ultrasonic calibration target. Includes target, six 2-1/2 ft. pole sections, and instructions. (Teledyne Isco 603004143) .....	800.18	47.63
Note: Allows calibration of ultrasonic level measurement without entering the manhole.		
46 82 83 00-4144 EA Ultrasonic sensor cable clamp. (Teledyne Isco 603004129) .....	114.14	6.79
Note: For hanging sensor from spreader bar 603004110 or other horizontal pipe no greater than 1-1/8 inch O.D.		
46 82 83 00-4145 EA Battery backup kit for Signature® meter. Includes model 946 lead-acid battery, adapter cable, and mounting hardware. (Teledyne Isco 604307015) .....	296.50	17.65
46 82 83 00-4146 EA Power cord, 8 foot (2.5 m) long, for North America. Includes cord grip fitting (604304022). (Teledyne Isco 604304044) .....	31.01	1.85
46 82 83 00-4147 EA Power cord, 8 foot (2.5 m) long, for Europe. Includes cord grip fitting (604307022). (Teledyne Isco 604304045).....	31.01	1.85
46 82 83 00-4148 EA Power cord, 8 foot (2.5 m) long, for China. Includes cord grip fitting (604307022). (Teledyne Isco 604304046).....	31.01	1.85
46 82 83 00-4149 EA Power cord, 8 foot (2.5 m) long, for United Kingdom. Includes cord grip fitting (604307022). (Teledyne Isco 604304047) .....	31.01	1.85
46 82 83 00-4150 EA Power cord, 8 foot (2.5 m) long, for Australia. Includes cord grip fitting (604307022). (Teledyne Isco 604304048) .....	31.01	1.85
46 82 83 00-4151 EA Power cord, 8 foot (2.5 m) long, for Argentina. Includes cord grip fitting (604307022). (Teledyne Isco 604304049).....	31.01	1.85
46 82 83 00-4152 EA TIENet® 304 contact output option card, two isolated independent Form C relay circuits. (Teledyne Isco 604304069) .....	326.27	19.43
46 82 83 00-4153 EA TIENet® 307 analog 4-20 mA input option card, two isolated independent channels. (Teledyne Isco 604304054) .....	519.81	30.95
46 82 83 00-4154 EA TIENet® 308 analog 4-20 mA output option card, two independent channels. (Teledyne Isco 604304006) .....	400.71	23.85
46 82 83 00-4155 EA TIENet® 306 sampler interface cable with 32 ft (10 m) long cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature® meter. Connects to six-pin flow meter port to support sampler pacing and enable functions. (Teledyne Isco 604304007) .....	501.20	29.83
Note: Interfacing with a 5800/4700 refrigerated sample will require six-pin adapter 60-5314-697, ordered separately.		
46 82 83 00-4156 EA TIENet® 306 sampler interface cable with 75 ft (23 m) long cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature® meter. Connects to six-pin flow meter port to support sampler pacing and enable functions. (Teledyne Isco 604304008) .....	614.10	36.55
Note: Interfacing with a 5800/4700 refrigerated sample will require six-pin adapter 60-5314-697, ordered separately.		
46 82 83 00-4157 EA TIENet® 306 Sampler Interface with cut-to-length cable. (Teledyne Isco 604304088) .....	496.24	29.54
Note: Interface cable is unterminated. Supports flow pacing and sampler enabling.		
<i>For Each LF Of Extension Cable, Add</i>	2.30	
46 82 83 00-4158 EA TIENet® 301 pH and temperature sensor interface with 32 ft (10 m) long cable. Includes pH and temperature sensor (60-9004-126) with 25 ft (7.6 m) cable, calibration buffers and electrode rinse solution for initial commissioning. Also includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature® meter. (Teledyne Isco 604307018).....	1,466.39	87.29
46 82 83 00-4159 EA TIENet® 301 pH and temperature sensor interface with 75 ft (23 m) long cable. Includes pH and temperature sensor (60-9004-126) with 25 ft (7.6 m) cable, calibration buffers and electrode rinse solution for initial commissioning. Also includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature® meter. (Teledyne Isco 604307019).....	1,579.28	94.01
46 82 83 00-4160 EA TIENet® 301 pH and temperature sensor interface and cut-to-length cable with unterminated end. Includes pH and temperature sensor (60-9004-126) with 25 ft (7.6 m) cable, calibration buffers and electrode rinse solution for initial commissioning. Also includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature® meter in non-conduit applications. (Teledyne Isco 604307025) .....	1,466.39	87.29
<i>For Each LF Of Extension Cable, Add</i>	2.30	
46 82 83 00-4161 EA pH probe carrier to attach probe to Isco mounting rings or sensor mounting plate. (Teledyne Isco 603208001) .....	131.51	7.83
46 82 83 00-4162 EA CDMA cellular modem with magnetic mount antenna for Signature® meter. (Teledyne Isco 604307074).....	1,111.57	66.17
Note: Serial-Over-Internet-protocol (SOIP) technology eliminates need for computer telephone modems. Requires Verizon service. Contact the factory for details regarding Verizon service requirements.		

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4163 EA GSM cellular modem with magnetic mount antenna for Signature® meter. (Teledyne Isco 604307075).....	1,111.57	66.17
Note: Contact the factory for details regarding GSM service requirements. Region A		
46 82 83 00-4164 EA GSM cellular modem with magnetic mount antenna for Signature® meter. (Teledyne Isco 604307090).....	1,111.57	66.17
Note: Contact the factory for details regarding GSM service requirements. Region B		
46 82 83 00-4165 EA Ethernet communication module. (Teledyne Isco 604307016).....	188.57	11.23
Note: Provides RJ45 connection to support Ethernet communications.		
46 82 83 00-4166 EA Internal seven digit mechanical totalizer. (Teledyne Isco 604304015).....	143.92	8.57
Note: Non-resettable totalizer reads cumulative total flow. Factory installation recommended.		
46 82 83 00-4167 EA Rain Gauge Receptacle connection only with 0.305 m (1 ft) cable. Includes three-hold cord grip fitting. (Teledyne Isco 604304055).....	131.51	7.83
Note: Order rain gauge separately. This receptacle allows quick connection to a Teledyne Isco standard rain gauge plug.		
46 82 83 00-4168 EA Kit Cord Grip with pigtail strain relief for cable diameters from 0.250 to 0.485 inches (6.35 to 12.3 mm). (Teledyne Isco 604307022).....	12.41	0.73
Note: For Signature® line cords and user-supplied cables within this diameter range.		
46 82 83 00-4169 LF TIENet® bulk cable, cut to length, 999 ft (304 m) maximum. (Teledyne Isco 604304050).....	2.61	0.15
Note: Specify total length in feet. Price = per foot price x cable length.		
46 82 83 00-4170 EA TIENet® Network Expansion Box, with 10 ft (3.05 m) TIENet® cable which connects to a Signature® meter or another TIENet Network Expansion Box in a daisy-chain configuration. Rated IP 67 (NEMA 4X, 6). The expansion box supports multiple connections at its internal terminal connections. (Teledyne Isco 604307023).....	439.17	26.14
Note: Connections may be routed through three available ports. A TIENet® Option Card may also be mounted in the expansion box. An option card limits the available ports to one. May be used with conduit or cable connections. If installed with cable connections, order cord grip fittings as needed. The expansion box includes two plugs for unused ports.		
46 82 83 00-4171 EA TIENet® 310 Ultrasonic Sensor. 10 ft (3.05 m) measurement range with 32 ft (10 m) cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature® meter. (Teledyne Isco 604314005).....	1,240.60	73.84
Note: Suitable for monitoring flows in Group II, Category 2 Zone 1, Gas Group IIB hazardous areas when connected to the Signature through the SPA 2060 TIENet barrier.		
46 82 83 00-4172 EA TIENet® 310 Ultrasonic Sensor. 10 ft (3.05 m) measurement range with 75 ft (23 m) cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature® meter. (Teledyne Isco 604314006).....	1,346.04	80.12
Note: Suitable for monitoring flows in Group II, Category 2 Zone 1, Gas Group IIB hazardous areas when connected to the Signature through the SPA 2060 TIENet barrier.		
46 82 83 00-4173 EA TIENet® 310 Ultrasonic Level sensor with cut to length cable and unterminated cable end. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature® meter in non-conduit applications. (Teledyne Isco 604314014).....	1,240.60	73.84
Note: Suitable for monitoring flows in Group II, Category 2 Zone 1, Gas Group IIB hazardous areas when connected to the Signature through the SPA 2060 TIENet barrier.		
<i>For Each LF Of Extension Cable, Add</i>	2.30	
46 82 83 00-4174 EA Magnetic mount dual band antenna for CDMA and GSM cellular modems. (Teledyne Isco 602004550).....	235.71	14.03
46 82 83 00-4175 EA Replacement or spare TIENet® 301 pH and temperature sensor interface with 32 ft (10 m) long cable. (Teledyne Isco 604304018).....	983.79	58.56
Note: Does not include pH sensor, buffers, and solutions.		
46 82 83 00-4176 EA Replacement or spare TIENet® 301 pH and temperature sensor interface with 75 ft (23 m) long cable. (Teledyne Isco 604304019).....	1,096.68	65.28
Note: Does not include pH sensor, buffers, and solutions.		
46 82 83 00-4177 EA Replacement or spare TIENet® 301 pH and temperature sensor interface with 5 m (16.4 ft) long cable. (Teledyne Isco 604304051).....	946.57	56.35
Note: Does not include pH sensor, buffers, and solutions.		
46 82 83 00-4178 EA pH sensor calibration buffer, pH 4.0. (Teledyne Isco 479000104).....	7.65	
46 82 83 00-4179 EA pH sensor calibration buffer, pH 7.0. (Teledyne Isco 479000107).....	7.65	
46 82 83 00-4180 EA pH sensor calibration buffer, pH 10.0. (Teledyne Isco 479000110).....	7.65	
46 82 83 00-4181 EA pH sensor electrode rinse solution. (Teledyne Isco 479001000).....	7.65	
46 82 83 00-4182 EA USB cable, 6.5 feet (2 m). USB A to USB Micro-B for computer connection to Signature® meter. (Teledyne Isco 480294601).....	32.26	1.92
46 82 83 00-4183 EA USB cable, 3 inch (75 mm). USB micro-A to USB A for USB flash drive connection to Signature® meter. (Teledyne Isco 480294602).....	32.26	1.92
46 82 83 00-4184 EA TIENet® Receptacle, standard 1 ft (0.305 m) length. (Teledyne Isco 604304056).....	124.05	7.39
Note: Provides a TIENet receptacle to which compatible devices with a TIENet plug may be attached.		
46 82 83 00-4185 EA TIENet® Receptacle, cut-to-length. (Teledyne Isco 604304068).....	130.26	7.75
Note: Provides a TIENet receptacle to which compatible devices with a TIENet plug may be attached.		
<i>For Each LF Of Extension Cable, Add</i>	2.30	
46 82 83 00-4186 EA 12 VDC power cord with cord grip fitting, 1 ft. Includes connector for use with Teledyne Isco battery and power packs. (Teledyne Isco 604304086).....	132.75	7.90
46 82 83 00-4187 EA Signature® Base Meter. (Teledyne Isco 624300005).....	2,667.28	158.77
Note: This item does not include a flow technology and configured options which must be ordered separately when not ordered as a system.		
46 82 83 00-4188 EA Signature® Bubbler flow meter system. Starting price includes 624330003 base meter with internal bubbler, instruction manual, pocket guide, and coupon for Isco Open Channel Flow Meter Handbook. (Teledyne Isco 684330000).....	4,590.20	273.24
Note: Configured options may include mounting hardware, cable lengths, power, I/O, interfaces, communication, totalizer, and rain gauge connector.		
46 82 83 00-4189 EA Replacement TIENet® 330 Bubbler Module (Teledyne Isco 604334003).....	1,674.81	99.70
46 82 83 00-4190 EA Stainless Steel Bubble Tube. (Teledyne Isco 601704018).....	55.83	3.32
Note: For use with 1/16 inch ID PTFE bubble line.		
46 82 83 00-4191 EA 1/8 inch x 50 ft. vinyl bubble line. (Teledyne Isco 601873044).....	44.65	2.66
46 82 83 00-4192 EA 1/16 inch x 25 ft. PTFE bubble line. (Teledyne Isco 601873051).....	78.16	4.65
46 82 83 00-4193 EA Reference port tubing kit. Include tubing and adapters to relocate the atmospheric pressure reference port. (Teledyne Isco 604307017).....	65.75	3.91
46 82 83 00-4194 EA TIENet® 350 Area Velocity sensor. 10 ft (3.0 m) measurement range with 32 ft (10 m) cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight sensor cable connection to the Signature® meter. (Teledyne Isco 604354013).....	2,171.04	129.23
Note: The Signature meter must have a desiccator installed for proper operation. Order 604304092 if needed.		



<b>Water And Wastewater Equipment</b>	<b>46</b>
<b>Water Treatment Equipment</b>	<b>46 80</b>
<b>General Water Treatment Equipment</b>	<b>46 82</b>

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4195	EA			TIE.Net® 350 Area Velocity sensor. 10 ft (3.0 m) measurement range with 75 ft (23 m) cable. Includes one TIE.Net cord grip fitting (209-0073-12) for watertight sensor cable connection to the Signature® meter. (Teledyne Isco 604354014) ..... 2,276.49	2,276.49	135.51
				Note: The Signature meter must have a desiccator installed for proper operation. Order 604304092 if needed.		
46 82 83 00-4196	EA			TIE.Net® 350 Area Velocity sensor. 10 ft (3.0 m) measurement range with cut-to-length cable. Includes one TIE.Net cord grip fitting (209-0073-12) for watertight sensor cable connection to the Signature® meter in non-conduit applications. (Teledyne Isco 604354026)..... 2,171.04	2,171.04	129.23
				Note: The Signature meter must have a desiccator installed for proper operation. Order 60-4304-092 if needed.		
				<i>For Each LF Of Extension Cable, Add</i>	2.30	
46 82 83 00-4197	EA			TIE.Net® Network Expansion Box with Desiccator, with 10 ft (3.05 m) TIE.Net® cable which connects to a Signature® meter or another TIE.Net Network Expansion Box in a daisy-chain configuration. Rated IP 67 (NEMA 4X, 6). (Teledyne Isco 604357018) ..... 476.39	476.39	28.35
				Note: The expansion box supports multiple connections at its internal terminal connections. Connections may be routed through three available ports. A TIE.Net® Option Card may also be mounted in the expansion box. An option card limits the available ports to one. May be used with conduit or cable connections. If installed with cable connections, order cord grip fittings as needed. The desiccator supports TIE.Net devices which require reference air. The expansion box includes two plugs for unused ports.		
46 82 83 00-4198	EA			Desiccator for Signature Flow Meter (Teledyne Isco 604304092) ..... 137.70	137.70	8.20
46 82 83 00-4199	EA			6 inch metering insert without pump and poles. Metering insert with round orifice flow section and attachable 60 degree V-notch weir plate. Supplied with right angle insertion tube, inflation/bubbler hose, and instruction manual. (Teledyne Isco 603234031) ..... 702.18	702.18	41.80
46 82 83 00-4200	EA			8 inch metering insert without pump and poles. Metering insert with round orifice flow section and attachable 60 degree V-notch weir plate. Supplied with right angle insertion tube, inflation/bubbler hose, and instruction manual. (Teledyne Isco 603234032) ..... 702.18	702.18	41.80
46 82 83 00-4201	EA			10 inch metering insert without pump and poles. Metering insert with round orifice flow section and attachable 60 degree V-notch weir plate. Supplied with right angle insertion tube, inflation/bubbler hose, and instruction manual. (Teledyne Isco 603234033) ..... 702.18	702.18	41.80
46 82 83 00-4202	EA			12 inch metering insert without pump and poles. Metering insert with round orifice flow section and attachable 60 degree V-notch weir plate. Supplied with right angle insertion tube, inflation/bubbler hose, and instruction manual. (Teledyne Isco 603234034) ..... 702.18	702.18	41.80
46 82 83 00-4203	EA			Signature® Base Meter. Base meter includes desiccant cartridge. (Teledyne Isco 624330003)..... 2,915.40	2,915.40	173.54
				Note: This item does not include internal bubbler level sensor assembly, bubble tube, bubble line, and configured options which must be ordered separately when not ordered as a system.		
46 82 83 00-4204	EA			Signature® Area Velocity flow meter system. Starting price includes base meter 624300005, TIE.Net 350 area velocity sensor with 32.8 ft (10 m) cable, instruction manual, pocket guide, and coupon for Isco Open Channel Flow Meter Handbook. (Teledyne Isco 684350000)..... 4,962.38	4,962.38	295.39
				Note: Configured options may include mounting hardware, cable lengths, power, I/O, interfaces, communication, totalizer, and rain gauge connector.		
46 82 83 00-4205	EA			Signature® Base Meter. Base meter includes desiccant cartridge. (Teledyne Isco 624350013)..... 2,791.34	2,791.34	166.16
				Note: This item does not include a flow technology and configured options which must be ordered separately when not ordered as a system.		
46 82 83 00-4206	EA			Signature® LaserFlow system. Starting price includes base meter 624350013, TIE.Net 360 LaserFlow sensor with built-in ultrasonic level sensor and 32.8 ft (10 m) cable, instruction manual, pocket guide, and coupon for Isco Open Channel Flow Meter Handbook. (Teledyne Isco 684360060) ..... 14,328.89	14,328.89	852.94
				Note: Configured options may include mounting hardware, cable lengths, power, I/O, interfaces, communication, totalizer, and rain gauge connector.		
46 82 83 00-4207	EA			Permanent wall mount for TIE.Net® 360 LaserFlow™ sensor. (Teledyne Isco 604364003) ..... 736.91	736.91	43.86
46 82 83 00-4208	EA			Temporary Mount Kit for TIE.Net® 360 LaserFlow™ 48 - 55 in (122 - 140 cm) (Teledyne Isco 624360032)..... 843.61	843.61	50.22
46 82 83 00-4209	EA			Temporary Mount Kit for TIE.Net® 360 LaserFlow™ 54 - 66 in (137 - 167 cm) (Teledyne Isco 624360034)..... 843.61	843.61	50.22
46 82 83 00-4210	EA			Temporary Mount Kit for TIE.Net® 360 LaserFlow™ 63 - 84 in (160 - 213 cm) (Teledyne Isco 624360035)..... 843.61	843.61	50.22
46 82 83 00-4211	EA			Temporary Mount Kit for TIE.Net® 360 LaserFlow™ 83 - 114 in (211 - 289 cm) (Teledyne Isco 624360036)..... 843.61	843.61	50.22
46 82 83 00-4212	EA			Sensor Retrieval Tool (Teledyne Isco 604364033)..... 251.84	251.84	14.99
46 82 83 00-4213	EA			TIE.Net® 350 Area Velocity Sensor Surcharge Kit. Includes sensor with short cable to connect to the TIE.Net 360 LaserFlow sensor and mounting hardware. (Teledyne Isco 604354017) ..... 2,282.70	2,282.70	135.88
46 82 83 00-4214	EA			LaserFlow sensor sun shade (Teledyne Isco 604364080) ..... 642.63	642.63	38.25
46 82 83 00-4215	EA			TIE.Net® 310 Ultrasonic Level sensor with 32.8 ft (10 m) cable with TIE.Net plug. For use with Signature® portable flow meters and as a remote level sensor for the TIE.Net 360 LaserFlow™ sensor. Suitable for monitoring flows in Group II, Category 2 Zone 1, Gas Group IIB hazardous areas when connected to the Signature through the SPA 2060 TIE.Net barrier. (Teledyne Isco 604314009)..... 1,364.65	1,364.65	81.24
46 82 83 00-4216	EA			TIE.Net® 310 Ultrasonic Level sensor with 75 ft (23 m) cable with TIE.Net plug. For use with Signature® portable flow meters and as a remote level sensor for the TIE.Net 360 LaserFlow™ sensor. Suitable for monitoring flows in Group II, Category 2 Zone 1, Gas Group IIB hazardous areas when connected to the Signature through the SPA 2060 TIE.Net barrier. (Teledyne Isco 604314011)..... 1,470.11	1,470.11	87.51
46 82 83 00-4217	EA			TIE.Net® 310 Ultrasonic Level sensor with cut to length cable with TIE.Net plug. For use with Signature® portable flow meters and as a remote level sensor for the TIE.Net 360 LaserFlow™ sensor. Suitable for monitoring flows in Group II, Category 2 Zone 1, Gas Group IIB hazardous areas when connected to the Signature through the SPA 2060 TIE.Net barrier. (Teledyne Isco 604314013) ..... 1,364.65	1,364.65	81.24
				<i>For Each LF Of Extension Cable, Add</i>	2.30	
46 82 83 00-4218	EA			TIE.Net® 360 LaserFlow™ Sensor with 10 ft (3.05 m) measurement range with built-in ultrasonic level sensor and 32 ft (10 m) cable. Includes one TIE.Net cord grip fitting (209-0073-12) for watertight connection to the Signature meter. (Teledyne Isco 684360061-ISCO3106)..... 11,537.54	11,537.54	686.78
46 82 83 00-4219	EA			TIE.Net® 360 LaserFlow™ Sensor with 10 ft (3.05 m) measurement range with built-in ultrasonic level sensor, Surcharge AV sensor and 32 ft (10 m) cable. Includes one TIE.Net cord grip fitting (209-0073-12) for watertight connection to the Signature meter. (Teledyne Isco 684360061-ISCO3110) ..... 13,696.18	13,696.18	815.28
46 82 83 00-4220	EA			TIE.Net® 360 LaserFlow™ Sensor. 10 ft (3.05 m) measurement range with 32 ft (10 m) cable. Includes one TIE.Net cord grip fitting (209-0073-12) for watertight connection to the Signature meter. The connector to connect remote Ultrasonic sensor is included. (Teledyne Isco 684360061-ISCO3108)..... 9,986.79	9,986.79	594.47
				Note: The remote Ultrasonic is not included and must be purchased separately.		
46 82 83 00-4221	EA			TIE.Net® 360 LaserFlow™ Sensor with Surcharge AV. 10 ft (3.05 m) measurement range with 32 ft (10 m) cable. Includes one TIE.Net cord grip fitting (209-0073-12) for watertight connection to the Signature meter. The connector to connect remote Ultrasonic sensor is included. (Teledyne Isco 684360061-ISCO3112) ..... 12,145.44	12,145.44	722.96
				Note: The remote Ultrasonic is not included and must be purchased separately.		
46 82 83 00-4222	EA			TIE.Net® 360 LaserFlow™ Sensor with 10 ft (3.05 m) measurement range with built-in ultrasonic level sensor and 75 ft (23 m) cable. Includes one TIE.Net cord grip fitting (209-0073-12) for watertight connection to the Signature meter. (Teledyne Isco 684360061-ISCO3107)..... 11,642.99	11,642.99	693.06

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4223 EA TIENet® 360 LaserFlow™ Sensor with 10 ft (3.05 m) measurement range with built-in ultrasonic level sensor, Surge AV, and 75 ft (23 m) cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature meter. (Teledyne Isco 684360061-ISCO3111).....	13,801.62	821.56
46 82 83 00-4224 EA TIENet® 360 LaserFlow™ Sensor. 10 ft (3.05 m) measurement range with 75 ft (23 m) cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature meter. The connector to connect remote Ultrasonic sensor is included. (Teledyne Isco 684360061-ISCO3109).....	10,092.24	600.75
Note: The remote Ultrasonic is not included and must be purchased separately.		
46 82 83 00-4225 EA TIENet® 360 LaserFlow™ Sensor with surge AV. 10 ft (3.05 m) measurement range with 75 ft (23 m) cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature meter. The connector to connect remote Ultrasonic sensor is included. (Teledyne Isco 684360061-ISCO3113) .....	12,250.88	729.25
Note: The remote Ultrasonic is not included and must be purchased separately.		
46 82 83 00-4226 EA Signature® LaserFlow Sensor ONLY for spare/replacement. Starting price includes TIENet 360 LaserFlow sensor with built-in ultrasonic level sensor and 32.8 ft (10 m) cable. (Teledyne Isco 684360061) .....	11,537.54	686.78
Note: Configured options may include sensor accessories.		
46 82 83 00-4227 EA Signature® Base Station system. Starting price includes base station 624300005, instruction manual, pocket guide, and coupon for Isco Open Channel Flow Meter Handbook. (Teledyne Isco 684300000) .....	2,667.28	158.77
Note: Configured options may include mounting hardware, cable lengths, power, I/O, interfaces, communication, totalizer, and rain gauge connector.		
46 82 83 00-4228 EA Mounting Plate for the Signature Base Meter (Teledyne Isco 604303043).....	27.29	1.63
46 82 83 00-4229 EA Spring Ring for 6 inch diameter pipe (Teledyne Isco 683200007) .....	117.86	7.01
46 82 83 00-4230 EA Spring Ring for 8 inch diameter pipe (Teledyne Isco 683200008) .....	117.86	7.01
46 82 83 00-4231 EA Spring Ring for 10 inch diameter pipe (Teledyne Isco 683200009) .....	117.86	7.01
46 82 83 00-4232 EA Spring Ring for 12 inch diameter pipe (Teledyne Isco 683200010) .....	117.86	7.01
46 82 83 00-4233 EA Spring Ring for 15 inch diameter pipe (Teledyne Isco 683200011) .....	117.86	7.01
46 82 83 00-4234 EA Scissors Ring for 16 inch to 23 inch diameter pipes. Includes base section, scissors mechanism, and one pair of 7.5 inch extensions. ( 683000042).....	616.57	36.70
46 82 83 00-4235 EA Scissors Ring for 16 inch to 36 inch diameter pipes. Includes base section, scissors mechanism, one pair of 7.5 inch extensions, and one pair of 20 inch extensions. (Teledyne Isco 683000043) .....	780.33	46.44
46 82 83 00-4236 EA Scissors Ring for 39 inch to 43 inch diameter pipes. Includes base section, scissors mechanism, one pair of 7.5 inch extensions, and one pair of 30 inch extensions. (Teledyne Isco 683000044) .....	818.79	48.74
46 82 83 00-4237 EA Scissors Ring for 45 inch to 49 inch diameter pipes Includes base section, scissors mechanism, one pair of 7.5 inch extensions, and one pair of 40 inch extensions. (Teledyne Isco 683000045) .....	843.61	50.22
46 82 83 00-4238 EA Scissors Ring for 50 inch to 54 inch diameter pipes. Includes base section, scissors mechanism, one pair of 7.5 inch extensions, one pair of 20 inch extensions, and one pair of 30 inch extensions. (Teledyne Isco 683000061).....	919.28	54.72
46 82 83 00-4239 EA Scissors Ring for 58 to 62 inch diameter pipes. Includes base section, scissors mechanism, one pair of 7.5 inch extensions, and two pairs of 30 inch extensions. (Teledyne Isco 683000046) .....	982.55	58.49
46 82 83 00-4240 EA Scissors Ring for 72 inch diameter pipes. Includes base section, scissors mechanism, one pair of 7.5 inch extensions and two pairs of 40 inch extensions. (Teledyne Isco 683000047) .....	1,044.58	62.18
46 82 83 00-4241 EA Scissors Ring for 16 inch to 80 inch diameter pipes. Includes base section, scissors mechanism, one pair of 7.5 inch extensions, one pair of 20 inch extensions, one pair of 30 inch extensions, and one pair of 40 inch extensions. (Teledyne Isco 683000048) .....	1,208.33	71.93
46 82 83 00-4242 EA Sensor mounting plate. Flat plate for mounting up to 3 sensors in rectangular, trapezoidal or irregular channels. Includes plastic ties to fasten the sensor cable, and installation instructions. (Teledyne Isco 603004196) .....	110.42	6.57
Note: Requires carriers for low profile area velocity sensors, submerged probes, pH probes, temperature probes, bubble lines, D.O. sensors, and pH sensors. Not recommended for ADFM/accQmin sensors.		
46 82 83 00-4243 EA Spreader bar. To suspend flow meter or logger in manhole. Adjusts from 22.5 inch to 48 inch. (Teledyne Isco 603004110) .....	440.41	26.22
46 82 83 00-4244 EA Cable joiner, IP68 rated. Includes three position terminal block and sealed housing suitable for making connections to the 2105 Universal Cable or other unterminated wires (14 AWG max). Assembled dimensions are 1.5 inches (38 mm) diameter by 4.25 inches (105 mm) length. (Teledyne Isco 602007580).....	81.88	4.87
46 82 83 00-4245 LF Cable, two conductor, 18 gauge with PVC jacket. (Teledyne Isco 480024200) .....	1.24	0.07
Note: Compatible with three-hole cord grip fitting 604304080.		
46 82 83 00-4246 LF Cable, three conductor, 22 gauge with PVC jacket. (Teledyne Isco 480144601) .....	1.24	0.07
Note: Compatible with three-hole cord grip fitting 604304080.		
46 82 83 00-4247 EA Cord grip fitting for cable diameters from 0.250 to 0.375 inches (6.35 to 9.53 mm). (Teledyne Isco 209007311) .....	26.05	1.55
Note: For user-supplied cables within this diameter range.		
46 82 83 00-4248 EA Three-hole cord grip fitting. Cable diameter range: 0.20 to 0.23 in. (5.0 to 5.84 mm). (Teledyne Isco 604304080) .....	26.05	1.55
46 82 83 00-4249 EA SPA 2018. External TIENet® bubbler module. (Teledyne Isco 605324018).....	2,171.04	129.23
Note: Order bubble tube, bubble line, and other accessories separately. Order TIENet bulk cable as necessary to support remote operation.		
46 82 83 00-4250 EA SPA 2023. Cut To Length Remote Totalizer Output Modification for Signature Series Flow Meter. Includes cut to length output cable, cord grip from Signature® meter and cord grip for routing the cable with pigtailed into box (not included). (Teledyne Isco 605324023).....	223.31	13.29
Note: Same count as optional front panel totalizer receives. The totalizer must be purchased separately; appropriate for use with 60-5314-655 mechanical totalizer.		
For Each LF Of Extension Cable, Add	1.29	
46 82 83 00-4251 EA SPA 1655. Remote Non-Resettable 12VDC 8-digit mechanical counter. Counter is in a weatherproof housing with an internal barrier block for connection to external equipment. (Teledyne Isco 605314655) .....	497.47	29.61
Note: Requires user-supplied weather-proof conduit or cord grip fitting to maintain weatherproof rating. Appropriate for connection to 4200 series flow meter with a 60-5304-899 (SPA 899) Remote Totalizer Output or Signature® series flow meter with a 60-5324-023 (SPA 2023) Remote Totalizer Output. Use 4200 series accessories for totalizers that count sample initiation signals (programmable volume flow pulses). Appropriate for connection to 4501 Pump Station Monitor or 3010 flow logger or other devices, contact factory for details.		
46 82 83 00-4252 EA SPA 2044. Cable, external 12 VDC to power Signature meter. This cut to length cable, 50-foot maximum length, is equipped with a TIENet® cord grip fitting (209-0073-11) for watertight connection to the Signature® meter in non-conduit applications, a fuse, pigtail wires to connect to the Signature meters internal barrier block and alligator clips for connection to an external 12 VDC source. (Teledyne Isco 605324044) .....	130.26	7.75
For Each LF Of Extension Cable, Add	2.38	
46 82 83 00-4253 EA SPA 2045. Cable, external 12 VDC to power Signature® meter. This cut to length cable, 50-foot maximum length, is equipped with a TIENet® cord grip fitting (209-0073-11) for watertight connection to the Signature meter in non-conduit applications, a fuse, pigtail wires to connect to the Signature® meters internal barrier block and 5/16-inch ring terminals for connection to an external 12 VDC source. (Teledyne Isco 605324045).....	122.82	7.31
For Each LF Of Extension Cable, Add	2.38	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4254	EA			SPA 2046. SDI-12 Submersible temperature sensor probe for Signature® meter. Standard cable length is 59 feet, available with a submersible splice up to 200-foot maximum length for an additional fee. Equipped with pigtail wires for connection to one of two of the Signature meter's internal SDI-12 barrier blocks and a TIENet® cord grip fitting (209-0073-11) for watertight connection to the Signature meter in non-conduit applications. (Teledyne Isco 605324046).....	1,519.72	90.46
				<i>For Each LF Of Extension Cable, Add</i>	1.29	
46 82 83 00-4255	EA			SPA 2060. Barrier for Signature hazardous location approved TIENet® Ultrasonic (not included). (Teledyne Isco 605324060).....	4,258.97	253.51
				Note: Spa 2060 barrier is placed in a safe area and the associated sensor is located in a hazardous area. Provides weatherproof box with terminals and power supply for connection to external 120VAC and ground and terminals for connection to ultrasonic sensor. To connect between barrier and Signature use 60-4304-050 and 209-0073-12.		
46 82 83 00-4256	EA			SPA 2024. Signature power loss alarm, Supplied with cord grip and a 3' cable with pig tail wires that route into Signature from external weatherproof box, includes a 20' cable wired internally to non-powered contacts. Not a TieNet device, connects directly to DC voltage terminals. (Teledyne Isco 605324024).....	344.89	20.53
46 82 83 00-4257	EA			SPA 194. Spring ring for 4" diameter pipe (Teledyne Isco 605304194).....	119.10	7.09
46 82 83 00-4258	EA			SPA 1916. Spring ring for 5" diameter pipe (Teledyne Isco 605314916).....	119.10	7.09
46 82 83 00-4259	EA			SPA 1873. Spring ring for 7" diameter pipe (Teledyne Isco 605314873).....	138.94	8.27
46 82 83 00-4260	EA			SPA 1172. Spring ring for 9" diameter pipe (Teledyne Isco 605314172).....	132.75	7.90
46 82 83 00-4261	EA			SPA 1784. Spring ring for 14" diameter pipe (Teledyne Isco 605314784).....	132.75	7.90
46 82 83 00-4262	EA			SPA 913 Modification to add scissor mechanism to spring ring, purchase spring ring separately, contact factory for rings below 10" diameter. (Teledyne Isco 605304913).....	446.61	26.59
46 82 83 00-4263	EA			Signature® Portable Ultrasonic Flow Meter System. Starting price includes base meter 624300006, carrying handle with stand, 1 ft (0.3 m) TIENet® receptacle cable, 12 VDC power input cable, TIENet 310 ultrasonic level sensor with 32.8 ft (10 m) cable, instruction manual, pocket guide, and coupon for Isco Open Channel Flow Meter Handbook. (Teledyne Isco 684310100).....	4,652.24	276.94
				Note: Configured options may include mounting hardware, cable lengths, power, I/O, interfaces, communication, totalizer, and rain gauge connector.		
46 82 83 00-4264	EA			Model 946 Lead-Acid Battery. Rechargeable, 12 VDC, 6.5 amp-hours. For use with Isco GLS, 3700, 6100, and 6700 Series Portable Samplers; 4200 Series Flow Meters; and Signature Portable Flow Meters. (Teledyne Isco 603004106).....	220.83	13.15
				Note: Recharge using Model 963 or 965 battery charger.		
46 82 83 00-4265	EA			Model 948 Lead-Acid Battery. Rechargeable, 12 VDC, 45 amp-hours. (Teledyne Isco 683000948).....	317.59	18.90
				Note: For use with Isco GLS, 3700, 6100, and 6700 Series Portable Samplers and 4200 Series Flow Meters. Recharge using battery charger, part number 341-0118-12.		
46 82 83 00-4266	EA			Model 913 High Capacity Power Pack. Converts 120 VAC, 50/60 Hz to 12 VDC. Includes separate output for charging Isco batteries. UL and ULC listed. (Teledyne Isco 601684088).....	322.56	19.20
				Note: For use with Isco GLS, 3700, 6100, and 6700 Series Portable Samplers; 4200 Series Flow Meters; and Signature Portable Flow Meters.		
46 82 83 00-4267	EA			Model 923 High Capacity Power Pack. Converts 240 VAC, 50/60 Hz to 12 VDC. Includes separate output for charging Isco batteries. (Teledyne Isco 603004190).....	475.15	28.28
				Note: For use with Isco GLS, 3700, 6100, and 6700 Series Portable Samplers; 4200 Series Flow Meters; and Signature Portable Flow Meters.		
46 82 83 00-4268	EA			Model 914 Battery Backed Power Pack. Converts 120 VAC, 50/60 Hz to 12 VDC. Includes internal backup battery. UL and ULC listed. (Teledyne Isco 683004130).....	678.61	40.40
				Note: For use with Isco GLS, 3700, and 6700 Series Portable Samplers; 4200 Series and Signature Portable Flow Meters.		
46 82 83 00-4269	EA			Model 924 Battery Backed Power Pack. Converts 240 VAC, 50/60 Hz to 12 VDC. Includes internal backup battery. (Teledyne Isco 683004160).....	642.63	38.25
				Note: For use with Isco GLS, 3700, and 6700 Series Portable Samplers; 4200 Series and Signature Portable Flow Meters.		
46 82 83 00-4270	EA			TIENet® 306 Sampler Interface with 10 m (32.8 ft) cable. Interface cable includes a TIENet plug. (Teledyne Isco 604304076).....	626.50	37.29
				Note: Supports flow pacing and sampler enabling.		
46 82 83 00-4271	EA			TIENet® 306 Sampler Interface with 23 m (75 ft) cable. Interface cable includes a TIENet plug. (Teledyne Isco 604304077).....	745.59	44.38
				Note: Supports flow pacing and sampler enabling.		
46 82 83 00-4272	EA			TIENet® 306 Sampler Interface with cut-to-length cable. Interface cable includes a TIENet plug. (Teledyne Isco 604304078).....	620.29	36.92
				Note: Supports flow pacing and sampler enabling.		
				<i>For Each LF Of Extension Cable, Add</i>	2.30	
46 82 83 00-4273	EA			TIENet ® 301 pH and temperature sensor interface with 32.8 ft (10 m) long cable with TIENet plug. Includes pH and temperature sensor (60-9004-126) with 25 ft (7.6 m) cable, calibration buffers and electrode rinse solution for initial commissioning. (Teledyne Isco 604307070).....	1,466.39	87.29
46 82 83 00-4274	EA			TIENet® 301 pH and temperature sensor interface with 75 ft (23 m) long cable with TIENet plug. Includes pH and temperature sensor (60-9004-126) with 25 ft (7.6 m) cable, calibration buffers and electrode rinse solution for initial commissioning. (Teledyne Isco 604307071).....	1,579.28	94.01
46 82 83 00-4275	EA			TIENet® 301 pH and temperature sensor interface with cut-to-length cable with TIENet plug. Includes pH and temperature sensor (60-9004-126) with 25 ft (7.6 m) cable, and calibration buffers and electrode rinse solution for initial commissioning. (Teledyne Isco 604307072).....	1,466.39	87.29
				<i>For Each LF Of Extension Cable, Add</i>	2.30	
46 82 83 00-4276	EA			TIENet Receptacle Y-cable. (Teledyne Isco 604304066).....	486.31	28.95
				Note: Extends the network by providing two TIENet receptacles to which compatible devices with a TIENet plug may be attached.		
46 82 83 00-4277	EA			TIENet® 350 Area Velocity sensor with plug and 10 m (32.8 ft) cable. (Teledyne Isco 604354023).....	2,295.10	136.62
46 82 83 00-4278	EA			TIENet® 350 Area Velocity sensor with plug and 23 m (75 ft) cable. (Teledyne Isco 604354024).....	2,400.54	142.90
46 82 83 00-4279	EA			TIENet® 350 Area Velocity sensor with plug and cut-to-length cable. (Teledyne Isco 604354025).....	2,295.10	136.62
				<i>For Each LF Of Extension Cable, Add</i>	2.30	
46 82 83 00-4280	EA			Signature® Portable Base Meter. Base meter includes carrying handle with stand, desiccant cartridge, and 12 VDC power input cable. (Teledyne Isco 624300006).....	3,163.52	188.31
				Note: This item does not include a flow technology, power, and configured options which must be ordered separately when not ordered as a system.		



**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4281 EA Signature® Portable Bubbler Flow Meter System. Starting price includes base meter 624330004 with internal bubbler, carrying handle with stand, 1 ft (0.3 m) TIENet® receptacle cable, 12 VDC power input cable, instruction manual, pocket guide, and coupon for Isco Open Channel Flow Meter Handbook. (Teledyne Isco 684330100).....	4,962.38	295.39
Note: Configured options may include mounting hardware, cable lengths, power, I/O, interfaces, communication, totalizer, and rain gauge connector.		
46 82 83 00-4282 EA Signature® Portable Base Meter. Base meter includes carrying handle with stand, desiccant cartridge, and 12 VDC power input cable. (Teledyne Isco 624330004).....	3,163.52	188.31
Note: This item does not include power, bubble tube, bubble line, and configured options which must be ordered separately when not ordered as a system.		
46 82 83 00-4283 EA Signature® Portable Area Velocity Flow Meter System. Starting price includes base meter 624300006, carrying handle with stand, 1 ft (0.3 m) TIENet® receptacle cable, 12 VDC power input cable, TIENet 350 area velocity sensor with 32.8 ft (10 m) cable, instruction manual, pocket guide, and coupon for Isco Open Channel Flow Meter Handbook. (Teledyne Isco 684350100).....	5,582.68	332.32
Note: Configured options may include mounting hardware, cable lengths, power, I/O, interfaces, communication, totalizer, and rain gauge connector.		
46 82 83 00-4284 EA Signature® Portable LaserFlow system. Starting price includes base meter 624300006, TIENet® 360 LaserFlow sensor with built-in ultrasonic level sensor and 32.8 ft (10 m) cable, choice of mounting hardware, and configured options. Includes instruction manual, pocket guide, and coupon for Isco Open Channel Flow Meter Handbook. (Teledyne Isco 684360160).....	14,949.17	889.87
Note: Configured options may include mounting hardware, cable lengths, remote level sensing, power, I/O, interfaces, communication, totalizer, and rain gauge connector.		
46 82 83 00-4285 EA TIENet® 360 LaserFlow™ sensor with 32.8 ft (10 m) cable and built-in ultrasonic level sensor. Cable is terminated with a TIENet plug for connection to a Signature® portable meter or a 2160 LaserFlow module (not included). (Teledyne Isco 682160061-ISCO3098).....	11,661.59	694.17
46 82 83 00-4286 EA TIENet® 360 LaserFlow™ sensor with 75 ft (23 m) cable and built-in ultrasonic level sensor. Cable is terminated with a TIENet plug for connection to a Signature® portable meter or a 2160 LaserFlow module (not included). (Teledyne Isco 682160061-ISCO3099).....	11,767.05	700.44
46 82 83 00-4287 EA TIENet® 360 LaserFlow with built-in level sensor. Includes cut-to-length cable with TIENet plug. (Teledyne Isco 604364077).....	11,661.59	694.17
For Each LF Of Extension Cable, Add	2.30	
46 82 83 00-4288 EA TIENet® 360 LaserFlow™ sensor with receptacle for remote level sensor. LaserFlow sensor includes 32.8 ft (10 m) cable terminated with a TIENet plug for connection to a Signature® portable meter or a 2160 LaserFlow module (not included). (Teledyne Isco 682160061-ISCO3100).....	10,110.86	601.86
Note: Does not include TIENet 310 Ultrasonic level sensor which must be ordered separately.		
46 82 83 00-4289 EA TIENet® 360 LaserFlow™ sensor with receptacle for remote level sensor. LaserFlow sensor includes 75 ft (23 m) cable terminated with a TIENet plug for connection to a Signature® portable meter or a 2160 LaserFlow module (not included). (Teledyne Isco 682160061-ISCO3101).....	10,216.31	608.14
Note: Does not include TIENet 310 Ultrasonic level sensor which must be ordered separately.		
46 82 83 00-4290 EA TIENet® 360 LaserFlow sensor for remote level sensor. Includes cut-to-length cable with TIENet plug. (Teledyne Isco 604364079).....	10,110.86	601.86
Note: Does not include TIENet 310 Ultrasonic level sensor which must be configured or ordered separately.		
For Each LF Of Extension Cable, Add	2.30	
46 82 83 00-4291 EA Signature® Portable Base Meter System. Starting price includes base meter 624300006, carrying handle with stand, 1 ft (0.3 m) TIENet® receptacle cable, 12 VDC power input cable, instruction manual, pocket guide, and coupon for Isco Open Channel Flow Meter Handbook. (Teledyne Isco 684300100).....	3,287.58	195.70
Note: Configured options may include mounting hardware, cable lengths, power, I/O, interfaces, communication, totalizer, and rain gauge connector.		
46 82 83 00-4292 EA Suspension harness. To hang flow meter from a manhole rung, etc. (Teledyne Isco 601704016).....	68.24	4.06
46 82 83 00-4293 EA Model 963 lead-acid float battery charger. For charging Isco 946 and 947 batteries one at a time. Equipped with an IEC 320 for connection to 120/240 VAC, 50/60 Hz power. (Teledyne Isco 683004198).....	276.65	16.47
Note: North American units are shipped with a line cord. Varies output current as battery becomes charged, preventing overcharging. UL listed and CE marked.		
46 82 83 00-4294 EA Model 965 Five-Station Battery Charger with North America 120 VAC power cord. Powered by 120 or 240 VAC, 50/60 Hz (user-switched). UL listed. Charges five Isco 934 Nickel-Cadmium Batteries, or five Isco 946 or 947 Lead-Acid Batteries, simultaneously. (Teledyne Isco 683000965).....	860.97	51.24
46 82 83 00-4295 EA Portable 12 VDC, 6 amp Battery Charger. Powered by 120 VAC, 50/60 Hz. UL listed. For use with Model 948 Lead-Acid Battery only. (Teledyne Isco 341011812).....	139.56	8.31
46 82 83 00-4296 EA 3010 Ultrasonic Flow Transmitter. Includes an ultrasonic level sensor with a 50 ft. cable, sensor mounting bracket, instruction manual and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 683010028).....	2,226.87	132.55
Note: For non-conduit wiring, a separate power cord and a watertight cord grip fitting (part number 209-0076-03) for the sensor cable are required. Order other sensor mounting hardware as required.		
46 82 83 00-4297 EA Ultrasonic level sensor only. With 50 ft. cable. For non-conduit wiring, a watertight cord grip fitting (part number 209-0076-03) is required. (Teledyne Isco 603404082).....	521.05	31.02
46 82 83 00-4298 EA Ultrasonic sensor quick disconnect box. (Teledyne Isco 603404052).....	199.74	11.89
Note: Provides an external connection point for connecting the 3010 to an ultrasonic level sensor through conduit. Requires extension cable listed below. For non-conduit wiring, 3 watertight cord grip fittings (one part number 209-0076-03 and two part number 209-0076-08) are required.		
46 82 83 00-4299 LF SPA 922. 3010 Sensor Extension Cable, cut to length, per ft. (Teledyne Isco 605304922).....	3.08	0.18
Note: Normally used with 603404052 disconnect box to add distance between sensor and 3010. Maximum available length is 975 ft. Cable has spade lugs on one end, bare wires on other.		
46 82 83 00-4300 EA Connect cable, 3000 Series to Isco Sampler. 25 ft. length. (Teledyne Isco 603404051).....	192.29	11.45
Note: For non-conduit wiring, a watertight cord grip fitting (part number 209-0076-04) is required.		
46 82 83 00-4301 EA High/low alarm relays. For use with both 3000 and 4200 series. Two alarm relays with field settable trip points (based on flow rate), in conduit mount enclosure. Includes instructions. Requires customer supplied 3 conductor (18 ga. minimum) shielded wire with a 250 ft. maximum length. For non-conduit wiring, 2 watertight cord grip fittings are required. (Teledyne Isco 603404028).....	616.57	36.70
Note: Requires connect cable 60-3214-088 for use with 4200 Series Flow Meters.		
46 82 83 00-4302 EA Instruction manual for high/low alarm relays. (Teledyne Isco 603403071).....	28.42	
46 82 83 00-4303 EA 3010 instruction manual. (Teledyne Isco 603404070).....	60.11	
46 82 83 00-4304 EA 3020 instruction manual. (Teledyne Isco 603404058).....	32.79	
46 82 83 00-4305 EA Teledyne Isco Open Channel Flow Measurement Handbook, 7th Edition. (Teledyne Isco 603003041).....	78.16	4.65



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4306	EA	2150 Flow Module with 2191 Battery Module. Includes Area Velocity Sensor with 10 ft. (3 m) level measurement range and 33 ft. (10 m) cable, 2 battery holders, and carrying handle with suspension strap. Also includes instruction manual and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682050002) .....	6,142.19	365.61
		Note: Requires Flowlink software and computer connect cable (sold separately).		
46 82 83 00-4307	EA	2150 Flow Module. Includes Area Velocity Sensor with 10 ft. (3 m) level measurement range and 33 ft. (10 m) cable. Also includes instruction manual and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682050001) .....	5,200.58	309.57
46 82 83 00-4308	EA	2150 Flow Module with 2191 Battery Module. Includes 2 battery holders, and carrying handle with suspension strap. Also includes instruction manual and coupon for free Isco Open Channel Flow Measurement Handbook. Requires Flowlink software and computer connect cable (sold separately). (Teledyne Isco 682050003) .....	4,921.43	292.96
		Note: Does not include area velocity sensor		
46 82 83 00-4309	EA	2150 Flow Module only. This spare or replacement module does not include 2191 Battery Module, Area Velocity Sensor, manual, and carrying handle. (Teledyne Isco 602004007) .....	3,840.89	228.63
46 82 83 00-4310	EA	Area Velocity Sensor for 2150 Flow Module with 10 ft. (3 m) Level Measurement Range and 33 ft. (10 m) cable. Contact the factory for cable lengths up to 75 ft. (23 m). (Teledyne Isco 602004135) .....	1,450.26	86.33
46 82 83 00-4311	EA	Area Velocity Sensor for 2150 Flow Module with 10 ft. (3 m) Level Measurement Range and 50 ft (15 m) cable. (Teledyne Isco 602004546) .....	1,525.94	90.84
46 82 83 00-4312	EA	Area Velocity Sensor for 2150 Flow Module with 10 ft. (3 m) Level Measurement Range and 75 ft (23 m) cable. (Teledyne Isco 602004549) .....	1,589.20	94.60
46 82 83 00-4313	EA	SPA 1646. 2150 Area Velocity Sensor, 30 ft. level range, built to length. (Teledyne Isco 605314646) .....	1,327.43	79.02
		Note: This is an extended range sensor used exclusively for the 2150. Maximum length is 100 ft. Please specify length when ordering.		
		<i>For Each LF Of Sensor Extension Cable, Add</i>	2.71	
46 82 83 00-4314	EA	SPA 1332. Teflon Coated Sensor for 2100/4100/4200 Series Probes. (Teledyne Isco 605314332) .....	343.64	20.46
		Note: Must be ordered in tandem with cut to length probe (commonly 60-5304-841, 60-5314-074, 60-5314-233, 60-5314-271 or 60-5314-646). Has been used to deter solvents from attacking the body of the probe.		
46 82 83 00-4315	EA	USB Communication Cable, 10 ft. (3 m). Connects 2100 Series Module top connector to PC with USB connector. (Teledyne Isco 602004507) .....	323.80	19.27
46 82 83 00-4316	EA	RS232 Communication Cable, 10 ft. (3 m). Connects 2100 Module to PC with 9 pin Serial port connector. (Teledyne Isco 602004046) .....	305.18	18.17
		Note: Contact the factory for cable lengths up to 100 ft., or for cable to PC with 25 pin connector.		
46 82 83 00-4317	EA	2100 Series sampler interface. (Teledyne Isco 682000014) .....	578.11	34.41
46 82 83 00-4318	EA	SPA 1479. Sampler interface cable for 2110/2150, custom length. Maximum length 1,000 feet, minimum length 5 ft to allow between sampler's flow meter port and 2110 or 2150. For 5800/4700 sampler, order in tandem with part number 60-5314-697. Enters bottom port of 2110 or 2150, this is the cut to length version of part number 68-2000-014. (Teledyne Isco 605314479) .....	539.65	32.12
		Note: If the 2100 application requires a 2108 module use part number 60-5314-562, which connects to the top of the 2100 stack.		
		<i>For Each LF Of Extension Cable, Add</i>	2.38	
46 82 83 00-4319	EA	Din rail mount DC power supply. Input 115-230 VAC 50/60 Hz, Output 12 VDC, 1.5A. (Teledyne Isco 341000218) .....	155.07	9.23
46 82 83 00-4320	EA	2100 Series Module Mounting Plate. ABS plastic plate for mounting 2100 system to wall. (Teledyne Isco 602004262) .....	158.79	9.45
46 82 83 00-4321	EA	SPA 1334. 2100 Mounting Plate with Battery/Power Pack Holder. Stainless steel plate for mounting 2100 system to wall. Mounting plate includes location and latches to secure the battery or power pack. (Teledyne Isco 605314334) .....	343.64	20.46
		Note: Connecting an Isco battery or power pack to a 2100 series module will require a two-pin power adapter cable, 60-5314-290, not included.		
46 82 83 00-4322	EA	Maintenance Kit for 2100 Module. Includes five O-rings for connectors, silicon grease for O-ring lubricant, hydrophobic filter, one O-ring for desiccant cartridge, desiccant, and instructions. (Teledyne Isco 602059001) .....	49.63	2.95
46 82 83 00-4323	EA	2150 Flow Module Instruction Manual. (Teledyne Isco 602004038) .....	69.95	
46 82 83 00-4324	EA	SPA 1233. 2150 Area Velocity Sensor, built to length. (Teledyne Isco 605314233) .....	1,240.60	73.84
		Note: This is the sensor used exclusively for the 2150. Maximum length is 75 ft. Please specify length when ordering.		
		<i>For Each LF Of Sensor Extension Cable, Add</i>	2.71	
46 82 83 00-4325	EA	SPA 1326. 2150 Sensor Extension Cable, built to length, per ft. (Teledyne Isco 605314326) .....	198.48	11.81
		Note: Maximum length is 75 ft. Specify length when ordering. Extends the distance between the 2150 and the sensor.		
		<i>For Each LF Of Sensor Extension Cable, Add</i>	2.71	
46 82 83 00-4326	EA	SPA 1601. Q.D. Box for 2150 A/V Sensor. This is normally used with SPA 1602 when desired span between 2150 and area velocity sensor exceeds 75 ft. or routing through conduit. (Teledyne Isco 605314601) .....	628.98	37.44
46 82 83 00-4327	EA	SPA 1602. 2150 to Q.D. Box Connect Cable, built to length. Cable connects to sensor port of the 2150 and is supplied with spade lugs on the opposite end for connection to the terminal strip of SPA 1601. Maximum length is 250 ft. (Teledyne Isco 605314602) .....	204.70	12.18
		<i>For Each LF Of Sensor Extension Cable, Add</i>	2.71	
46 82 83 00-4328	EA	2150 Area Velocity Sensor Simulator. This test plug connects to module in place of A/V sensor and provides simulated data to the 2150 module. (Teledyne Isco 602004430) .....	508.65	30.28
46 82 83 00-4329	EA	2110 Ultrasonic Module with 2 m sensor. Includes one maintenance kit, instruction manual, and a coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682000072) .....	4,132.43	245.99
		Note: Requires Flowlink software and computer connect cable (sold separately).		
46 82 83 00-4330	EA	2110 Ultrasonic Module with 2191 Battery Module and 2 m sensor. Includes carrying handle with suspension strap, 2110 and 2191 module maintenance kits, instruction manual, and a coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682000073) .....	5,035.58	299.75
		Note: Requires Flowlink software and computer connect cable (sold separately).		
46 82 83 00-4331	EA	2110 Ultrasonic Module with 4 m sensor. Includes one maintenance kit, instruction manual, and a coupon for free Isco Open Channel Flow Measurement Handbook. Requires Flowlink software and computer connect cable (sold separately). (Teledyne Isco 682000074) .....	4,641.07	276.26
46 82 83 00-4332	EA	2110 Ultrasonic Module with 2191 Battery Module and 4 m sensor. Includes carrying handle with suspension strap, 2110 and 2191 module maintenance kits, instruction manual, and a coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682000075) .....	5,556.63	330.76
		Note: Requires Flowlink software and computer connect cable (sold separately).		
46 82 83 00-4333	EA	2110 Ultrasonic Module with instruction manual. (Teledyne Isco 602004400) .....	2,785.14	165.79
46 82 83 00-4334	EA	Ultrasonic level sensor 2 m, 150 KHz, for 2110 Ultrasonic Module with 4 to 72 inch measurement range (0.1 to 1.8 m) and 33 ft. (10 m) cable. (Teledyne Isco 602004419) .....	1,373.34	81.75
46 82 83 00-4335	EA	Ultrasonic level sensor 4 m, 95 KHz, for 2110 Ultrasonic Module with 12 to 144 inch measurement range (0.3 to 3.6 m) and 33 ft. (10 m) cable. (Teledyne Isco 602004420) .....	1,843.53	109.73

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4336 EA Reflector plate for horizontal mounting of 2110 Ultrasonic level sensor. (Teledyne Isco 602008013).....	84.36	5.02
46 82 83 00-4337 EA In-pipe mounting using Isco mounting ring. (Teledyne Isco 602007419).....	557.03	33.16
Note: This kit provides mounting hardware required to attach the sensor to an Isco mounting ring (not included).		
46 82 83 00-4338 EA Mounting bracket for large pipe and flat roof channel. (Teledyne Isco 602003622).....	45.90	2.73
46 82 83 00-4339 EA Ultrasonic level sensor suspension hardware with straightener tube. (Teledyne Isco 602004610).....	503.68	29.98
46 82 83 00-4340 EA SPA 1542. Module to module cable with dust cap. (Teledyne Isco 605314542).....	204.70	12.18
Note: May be used with a standard 2100 interrogation cable to create a 2 piece interrogate cable for remote connection to 2100 series. Maximum length is 100 ft. with interrogate cable or 1,000 to 3,300 feet for most other applications. Contact factory for lengths exceeding 1,000 ft.		
For Each LF Of Extension Cable, Add	2.38	
46 82 83 00-4341 EA 2110 Instruction Manual (Teledyne Isco 602004410).....	69.95	
46 82 83 00-4342 EA SPA 1509. 2110 Ultrasonic Level Sensor Quick Disconnect Box. Used with SPA 1581 cable assembly for conduit installations of the 2110. (Teledyne Isco 605314509).....	388.30	23.11
46 82 83 00-4343 EA SPA 1569. Cut to length 2110 ultrasonic sensor extension cable (sensor not included), 75' maximum length. (Teledyne Isco 605314569).....	198.48	11.81
For Each LF Of Sensor Extension Cable, Add	2.71	
46 82 83 00-4344 EA SPA 1581. Cable Assembly for use with 2110 Quick Disconnect Box. Cable is built to customer desired length. (Teledyne Isco 605314581).....	235.71	14.03
For Each LF Of Sensor Extension Cable, Add	2.71	
46 82 83 00-4345 EA SPA 1888. Ultrasonic level sensor 2 m, 150 KHz, for 2110 Ultrasonic Module with 4 to 72 inch measurement range (0.1 to 1.8 m) and built to length cable, 100' maximum length. (Teledyne Isco 605314888).....	1,352.25	80.49
For Each LF Of Extension Cable, Add	2.48	
46 82 83 00-4346 EA Portable 2160 LaserFlow™ System. This system includes TIENet® 360 LaserFlow Sensor with 32.8 ft (10 m) cable, built-in Ultrasonic level sensor, 2160 LaserFlow module, 2191 Battery module with carrying handle and suspension strap. The system includes one 2100 Series maintenance kit, instruction manual, and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682160060-ISCO3165).....	15,420.61	917.93
Note: Requires wall mount or temporary mount for LaserFlow sensor, Flowlink software and computer connect cable.		
46 82 83 00-4347 EA Portable 2160 LaserFlow™ System. This system includes TIENet® 360 LaserFlow Sensor with 32.8 ft (10 m) cable, remote Ultrasonic level sensor with 10 m cable, 2160 LaserFlow module, 2191 Battery module with carrying handle and suspension strap. The system includes one 2100 Series maintenance kit, instruction manual, and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682160060-ISCO3171).....	15,420.61	917.93
Note: Requires wall mount or temporary mount for LaserFlow sensor, Flowlink software and computer connect cable.		
46 82 83 00-4348 EA Portable 2160 LaserFlow™ System with Surcharge Kit. This system includes TIENet® 360 LaserFlow Sensor with 32.8 ft (10 m) cable, built-in Ultrasonic level sensor, TIENet 350 Area Velocity Sensor Surcharge Kit, 2160 LaserFlow module, 2191 Battery module with carrying handle and suspension strap. The system includes one 2100 Series maintenance kit, instruction manual, and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682160060-ISCO3173).....	17,814.95	1,060.45
Note: Requires wall mount or temporary mount for LaserFlow sensor, Flowlink software and computer connect cable.		
46 82 83 00-4349 EA Portable 2160 LaserFlow™ System with Surcharge Kit. This system includes TIENet® 360 LaserFlow Sensor with 32.8 ft (10 m) cable, remote Ultrasonic level sensor with 32.8 ft (10 m) cable, TIENet 350 Area Velocity Sensor Surcharge Kit, 2160 LaserFlow module, 2191 Battery module with carrying handle and suspension strap. The system includes one 2100 Series maintenance kit, instruction manual, and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682160060-ISCO3176).....	17,814.95	1,060.45
Note: Requires wall mount or temporary mount for LaserFlow sensor, Flowlink software and computer connect cable.		
46 82 83 00-4350 EA Permanent 2160 LaserFlow™ System. This system includes TIENet® 360 LaserFlow Sensor with 32.8 ft (10 m) cable, built-in Ultrasonic level sensor, and 2160 LaserFlow module. The system includes one 2100 Series maintenance kit, instruction manual, and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682160060-ISCO3164).....	14,428.13	858.85
Note: Requires Flowlink software and computer connect cable. Requires an external 12 VDC power source, wall mount or temporary mount for LaserFlow sensor, mount for 2160 module, Flowlink software and computer connect cable.		
46 82 83 00-4351 EA Permanent 2160 LaserFlow™ System. This system includes TIENet® 360 LaserFlow Sensor with 32.8 ft (10 m) cable, remote Ultrasonic level sensor with 32.8 ft (10 m) cable, and 2160 LaserFlow module. The system includes one 2100 Series maintenance kit, instruction manual, and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682160060-ISCO3170).....	14,428.13	858.85
Note: Requires Flowlink software and computer connect cable. Requires an external 12 VDC power source, wall mount or temporary mount for LaserFlow sensor, mount for 2160 module, Flowlink software and computer connect cable.		
46 82 83 00-4352 EA Permanent 2160 LaserFlow™ System with Surcharge Kit. This system includes TIENet® 360 LaserFlow Sensor with 32.8 ft (10 m) cable, built-in Ultrasonic level sensor, TIENet 350 Area Velocity Sensor Surcharge Kit, and 2160 LaserFlow module. The system includes one 2100 Series maintenance kit, instruction manual, and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682160060-ISCO3172).....	16,834.88	1,002.11
Note: Requires an external 12 VDC power source, wall mount or temporary mount for LaserFlow sensor, mount for 2160 module, Flowlink software and computer connect cable.		
46 82 83 00-4353 EA Permanent 2160 LaserFlow™ System with Surcharge Kit. This system includes TIENet® 360 LaserFlow Sensor with 32.8 ft (10 m) cable, remote Ultrasonic level sensor with 32.8 ft (10 m) cable, TIENet 350 Area Velocity Sensor Surcharge Kit, and 2160 LaserFlow module. The system includes one 2100 Series maintenance kit, instruction manual, and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682160060-ISCO3175).....	16,834.88	1,002.11
Note: Requires an external 12 VDC power source, wall mount or temporary mount for LaserFlow sensor, mount for 2160 module, Flowlink software and computer connect cable.		
46 82 83 00-4354 EA 2160 LaserFlow™ module with 2191 Battery Module. Does not include TIENet 360 LaserFlow Sensor. Includes carrying handle and suspension strap, instruction manual, maintenance kit, and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682160014).....	3,436.45	204.56
46 82 83 00-4355 EA 2160 LaserFlow module ONLY. Does not include TIENet 360 LaserFlow sensor. (Teledyne Isco 602004700).....	2,406.76	143.27
46 82 83 00-4356 EA Maintenance Kit for 2191 Battery Module. Includes three O-rings for connectors, two gaskets for battery doors, two bags of desiccant, two desiccant indicators, and instructions. (Teledyne Isco 602099001).....	50.87	3.03
46 82 83 00-4357 EA 2191 Battery Module. Includes 2 battery holders. (Teledyne Isco 602004006).....	903.15	53.77
46 82 83 00-4358 EA Carrying handle for 2100 series modules. Attaches between two modules. (Teledyne Isco 602004377).....	85.59	5.09
46 82 83 00-4359 EA Suspension strap/carrying handle. Stainless steel cable, 18 inches (46 cm) wrapped by PVC tubing, with two stainless steel snap hooks. (Teledyne Isco 601704017).....	29.78	1.77



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4360 EA TIENet® 360 LaserFlow™ sensor with 32.8 ft (10 m) cable and TIENet 350 Surge Kit. Cable is terminated with TIENet plug for 2160 LaserFlow module (not included). The connector to connect remote Ultrasonic sensor is included. (Teledyne Isco 682160061-ISCO3104) .....	12,145.44	722.96
Note: The remote Ultrasonic is not included and must be purchased separately.		
46 82 83 00-4361 EA TIENet® 360 LaserFlow™ sensor with 32.8 ft (10 m) cable, built-in Ultrasonic level sensor, and TIENet 350 Surge Kit. Cable is terminated with TIENet plug for 2160 LaserFlow module (not included). (Teledyne Isco 682160061-ISCO3102) .....	13,820.24	822.66
46 82 83 00-4362 EA TIENet® 360 LaserFlow™ sensor with 75 ft (23 m) cable and TIENet 350 Surge Kit. Cable is terminated with TIENet plug for 2160 LaserFlow module (not included). The connector to connect remote Ultrasonic sensor is included. (Teledyne Isco 682160061-ISCO3105).....	12,374.94	736.63
Note: The remote Ultrasonic is not included and must be purchased separately.		
46 82 83 00-4363 EA TIENet® 360 LaserFlow™ sensor with 75 ft (23 m) cable, built-in Ultrasonic level sensor, and TIENet 350 Surge Kit. Cable is terminated with TIENet plug for 2160 LaserFlow module (not included). (Teledyne Isco 682160061-ISCO3103) .....	13,925.68	828.94
46 82 83 00-4364 EA 2105 Network Interface Module only. (Teledyne Isco 602004560) .....	2,136.31	127.17
46 82 83 00-4365 EA 2105 Network Interface Module with 2191 Battery Module. Includes carrying handle, and module maintenance kits. (Teledyne Isco 682000048).....	2,937.72	174.87
46 82 83 00-4366 EA 2105ci CDMA Serial Over IP modem module with 60-2004-550 dual band magnetic mount antenna. (Teledyne Isco 682000099).....	4,007.12	238.53
Note: Requires customer-supplied static IP address service contract with Verizon.		
46 82 83 00-4367 EA 2105ci CDMA Cell Phone Package with 2191 Battery module and 60-2004-550 magnetic mount dual band antenna. This stack-on module provides wireless communications (configuration, data retrieval, push data, text message alarms) with the 2100 Series site. (Teledyne Isco 682000103).....	4,801.10	285.78
Note: Requires customer provided Verizon account with static IP service, paid by customer.		
46 82 83 00-4368 EA 2105Gi Network Interface Module with built-in Europe/Region B countries 3G GSM cellular modem. Includes external magnetic mount antenna and module maintenance kit. (Teledyne Isco 682000093) .....	4,007.12	238.53
46 82 83 00-4369 EA 2105Gi Network Interface Module with built-in North America/Region A countries 3G GSM cellular modem. Includes external magnetic mount antenna and module maintenance kit. (Teledyne Isco 682000113).....	4,007.12	238.53
46 82 83 00-4370 EA 2105Gi Network Interface Module with built-in Europe/Region B countries 3G GSM cellular modem. Includes 2191 Battery Module, external magnetic mount antenna, carrying handle, and module maintenance kits. (Teledyne Isco 682000096) .....	4,428.92	263.64
46 82 83 00-4371 EA 2105Gi Network Interface Module with built-in North America/Region A countries 3G GSM cellular modem. Includes 2191 Battery Module, external magnetic mount antenna, carrying handle, and module maintenance kits. (Teledyne Isco 682000116).....	4,428.92	263.64
46 82 83 00-4372 EA 2105Gi Network Interface Module with built-in Europe/Region B countries 3G GSM cellular modem. Includes in-street antenna and module maintenance kit. (Teledyne Isco 682000094) .....	4,007.12	238.53
46 82 83 00-4373 EA 2105Gi Network Interface Module with built-in North America/Region A countries 3G GSM cellular modem. Includes in-street antenna and module maintenance kit. (Teledyne Isco 682000114).....	4,007.12	238.53
46 82 83 00-4374 EA 2105Gi Network Interface Module with built-in Europe/Region B countries 3G cellular modem. Includes in-street antenna, 2191 Battery Module, carrying handle, and module maintenance kits. (Teledyne Isco 682000089) .....	4,652.24	276.94
46 82 83 00-4375 EA 2105Gi Network Interface Module with built-in North America/Region A countries 3G cellular modem. Includes in-street antenna, 2191 Battery Module, carrying handle, and module maintenance kits. (Teledyne Isco 682000109) .....	4,652.24	276.94
46 82 83 00-4376 EA 2105Gi Network Interface Module with built-in Europe/Region B countries 3G GSM cellular modem. Includes manhole-mounted antenna and module maintenance kit. (Teledyne Isco 682000095).....	4,267.65	254.03
46 82 83 00-4377 EA 2105Gi Network Interface Module with built-in North America/Region A countries 3G GSM cellular modem. Includes manhole-mounted antenna and module maintenance kit. (Teledyne Isco 682000115) .....	4,267.65	254.03
46 82 83 00-4378 EA 2105Gi Network Interface Module with built-in Europe/Region B countries 3G GSM cellular modem. Includes 2191 Battery Module, manhole-mounted antenna, carrying handle, and module maintenance kits. (Teledyne Isco 682000097) .....	4,912.76	292.43
46 82 83 00-4379 EA 2105Gi Network Interface Module with built-in North America/Region A countries 3G GSM cellular modem. Includes 2191 Battery Module, manhole-mounted antenna, carrying handle, and module maintenance kits. (Teledyne Isco 682000117) .....	4,912.76	292.43
46 82 83 00-4380 EA In-street antenna with improved connector for 2103ci/2103C/6712ci/6712C/6712G/6712Gi cellular telephone modems and 2105ci/2105C/2105G/2105Gi Network Interface modules manufactured in January 2010 and later. Designed for manhole applications. (Teledyne Isco 602004564) .....	235.71	14.03
Note: When using "ci" equipment, the 60-2004-550 dual band is recommended for optimal performance.		
46 82 83 00-4381 EA External magnetic mount antenna with improved connector for the 2103Gi cellular telephone modems and 2105Gi Network Interface modules manufactured in January 2010 and later. This general purpose antenna is recommended for enclosure installations. (Teledyne Isco 602004565).....	235.71	14.03
46 82 83 00-4382 EA External magnetic mount antenna with improved connector for the 2103ci/2103C cellular telephone modems and 2105ci/2105C CDMA Network Interface modules manufactured in January 2010 and later. Designed for enclosure applications. (Teledyne Isco 602004566).....	235.71	14.03
Note: When using "ci" equipment, the 60-2004-550 dual band antenna is recommended for optimal performance.		
46 82 83 00-4383 EA SPA 1820. Manhole-mounted Antenna. This bolt-on antenna mounts to the top of a manhole cover. This 6 inch wide by 0.705 inch tall antenna has a 0.75 by 4 inch threaded shank that secures the antenna through a 0.75 inch hole in the manhole cover. Includes special tool to tighten the mounting hardware. For use with 2103ci/2103C/2105G, 2105ci/2105C/2105G, and 6712ci/6712C/6712G modems with an SMB connector. (Teledyne Isco 605314820) .....	622.78	37.07
Note: When using "ci" equipment, the 60-2004-550 dual band antenna is recommended for optimal performance.		
46 82 83 00-4384 EA SPA 1908. Blade Antenna with SMB style connector. This 5 inch long by 13/16 inch wide by 1/4 inch tall antenna comes equipped with a 10 foot cable and the antenna body is normally attached to an external surface with customer supplied epoxy. This antenna is for new style 2103ci/2103C/2103G/2103Gi, 2105ci/2105C/2105G/2105Gi, or 6712C/6712ci modules with an SMB style connector. See 60-5314-935 Blade antenna with SMA connector for old style models 2103Ci/2103Gi. (Teledyne Isco 605314908).....	176.16	10.49
Note: When using "ci" equipment, the 60-2004-550 dual band antenna is recommended for optimal performance.		
46 82 83 00-4385 EA 2105 Universal Cable. This 10 ft. cable has a 12-pin connector that connects to the 2105 module. The unterminated end of the cable may be spliced to other wiring or attached to a terminal strip. Includes instruction sheet. (Teledyne Isco 692004580) .....	158.79	9.45
46 82 83 00-4386 EA 2105 to 674 Rain Gauge connect cable. This 50 ft. cable has a 12-pin connector that connects to the 2105 module. The other end of the cable is terminated with two spade connectors that attach to the terminals in a 674 Rain Gauge. (Teledyne Isco 692004581).....	196.01	11.67
Note: If the rain gauge already has a cable, consider 69-2004-583 instead.		
46 82 83 00-4387 EA 2105 to YSI Sonde interconnect cable. This 10 inch adapter cable has a 12-pin connector that connects to the 2105 module. The other end of the cable has a connector that mates with a YSI field cable. (Teledyne Isco 692004582) .....	146.39	8.71

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4388	EA	SPA 1811. 2105 to SDI-12 connection cable. This 10 ft. cable connects to the 2105 top connector and is terminated with same SDI-12 connector as the 6712 Sampler Rain Gauge/SDI-12 input port. This cable allows Isco-ready SDI-12 sondes specifically designed for use with the 6712 Sampler to be connected to the 2105 module. This cable is not for use with other SDI-12 sondes, including sondes with pigtail connections (see 69-2004-580 for pigtail input SDI-12 sondes). (Teledyne Isco 605314811).....	192.29	11.45
46 82 83 00-4389	EA	SPA 1844. SDI-12 Pressure transducer or submerged probe for connection to the 2105. Includes a desiccator to vent the transducer to the atmosphere, length of cable is 100'. (Teledyne Isco 605314844).....	2,028.37	120.74
46 82 83 00-4390	EA	SPA 1855. This cut to length cable has a 12-pin connector that connects to the 2105 module's side connector and a 6-pin connector that connects to the 4200 series flow meter or 6712 sampler's interrogator port. The 2105 receives flow data. Max length is 100 ft; minimum length 5 ft if intended for connection to sampler. (Teledyne Isco 605314855).....	130.26	7.75
		Note: Not for use with 5800/4700 sampler.		
		For Each LF Of Extension Cable, Add	1.61	
46 82 83 00-4391	EA	2105 to 674 Rain Gauge interconnect cable. This 10 inch cable has a 12-pin connector that connects to the 2105 module. The other end of the cable has a 4-pin connector that mates to the cable supplied with a 674 Rain Gauge. (Teledyne Isco 692004583).....	166.24	9.89
46 82 83 00-4392	EA	2105 to GLS/3700/6700 Series/Avalanche Sampler Y-cable. The common end of this Y-cable has a 12-pin connector that connects to the 2105 module. The 25 ft. leg of this cable includes a 6-pin female connector that attaches to the sampler's Flow Meter port. The 10 inch leg of this cable replicates the 12-pin 2105 connector to support other interface connections. (Teledyne Isco 692004584).....	392.03	23.33
46 82 83 00-4393	EA	Y-cable, one 2105 male to two 2105 female connections, 10 inches. Used to create two 2105 connections. (Teledyne Isco 692004585).....	456.54	27.18
46 82 83 00-4394	EA	2105 to 5800/4700 Sampler Y-cable. The common end of this Y-cable has a 12-pin connector that connects to the 2105 module. The 25 ft. leg of this cable has a 16-pin connector that mates to the 5800/4700 Refrigerator rear panel connector. The 10 inch leg of this cable replicates the 12-pin 2105 connector to support other interface connections. (Teledyne Isco 692004633).....	416.83	24.81
46 82 83 00-4395	EA	2105 to 16-pin accQmin or standard ADFM system (box or canister) Y-cable. The common end of this Y-cable has a 12-pin connector that connects to the 2105 module. The 25 ft. leg of this cable has a 16-pin connector that mates to an accQmin flow meter or standard ADFM system (box or canister). The 10 inch leg of this cable replicates the 12-pin 2105 connector to support other interface connections. (Teledyne Isco 692004587).....	416.83	24.81
46 82 83 00-4396	EA	2105 to 9-pin standard ADFM system (canister) Y-cable. The common end of this Y-cable has a 12-pin connector that connects to the 2105 module. The 25 ft. leg of this cable has a 9-pin connector that mates to a standard ADFM system (canister). The 10 inch leg of this cable replicates the 12-pin 2105 connector to support other interface connections. (Teledyne Isco 692004589).....	397.00	23.62
46 82 83 00-4397	EA	2103ci CDMA Cell Phone Package with 60-2004-550 magnetic mount dual band antenna. This stack-on module provides wireless communications (configuration, data retrieval, push data, text message alarms) with the 2100 Series site. Powered from the module stack. (Teledyne Isco 682000098).....	2,865.78	170.59
		Note: Requires customer provided Verizon account with static IP service, paid by customer.		
46 82 83 00-4398	EA	Replacement in-street antenna for 2103c and 2103g modem communication modules with original connector (before January 2010). (Teledyne Isco 682000031).....	235.71	14.03
		Note: Recommended for manhole installations.		
46 82 83 00-4399	EA	SPA 1891. Adapter cable to use antennas with original design (before January 2010) with modules manufactured in January 2010 and later. (Teledyne Isco 605314891).....	106.70	6.35
46 82 83 00-4400	EA	SPA 1779. Old Style Manhole-mounted Antenna for Model 2103Ci/2103Gi with SMA style connector. This bolt-on antenna mounts to the top of a manhole cover. This 6 inch wide by 0.705 inch tall antenna has a 0.75 by 4 inch threaded shank that secures the antenna through a 0.75 inch hole in the manhole cover. Includes special tool to tighten the mounting hardware. (Teledyne Isco 605314779).....	606.65	36.11
		Note: Use 605314820 for new style Manhole-mounted antenna with SMB connector. This antenna is for old style 2103Ci/2103Gi with an SMA style connector.		
46 82 83 00-4401	EA	2103Gi GSM Cell Phone Package with 3G GSM modem for Europe/Region B countries and Magnetic-mount Antenna with improved connector. Provided as a stack-on module. (Teledyne Isco 68-2000-087).....	2,965.02	176.49
		Note: GSM cellular telephone service provided and paid for by customer. Provides wireless dial up and download with text message alarming. Powered from the module stack. Before ordering, contact the factory and confirm that compatible GSM service is available in the intended region.		
46 82 83 00-4402	EA	2103Gi GSM Cell Phone Package with 3G GSM modem for North America/Region A countries and Magnetic-mount Antenna with improved connector. Provided as a stack-on module. (Teledyne Isco 68-2000-107).....	2,965.02	176.49
		Note: GSM cellular telephone service provided and paid for by customer. Provides wireless dial up and download with text message alarming. Powered from the module stack. Before ordering, contact the factory and confirm that compatible GSM service is available in the intended region.		
46 82 83 00-4403	EA	2103Gi Series GSM Cell Phone Package with 3G GSM modem for Europe/Region B countries and In-street Antenna with improved connector. Provided as a stack-on module. (Teledyne Isco 682000086).....	2,965.02	176.49
		Note: GSM cellular telephone service provided and paid for by customer. Provides wireless dial up and download with text message alarming. Powered from the module stack. Before ordering, contact the factory and confirm that compatible GSM service is available in the intended region.		
46 82 83 00-4404	EA	2103Gi GSM Cell Phone Package with 3G GSM modem for North America/Region A countries and In-street Antenna with improved connector. Provided as a stack-on module. (Teledyne Isco 68-2000-106).....	2,965.02	176.49
		Note: GSM cellular telephone service provided and paid for by customer. Provides wireless dial up and download with text message alarming. Powered from the module stack. Before ordering, contact the factory and confirm that compatible GSM service is available in the intended region.		
46 82 83 00-4405	EA	2103Gi GSM Cell Phone Package with 3G GSM modem for Europe/Region B countries and Bolt-on Manhole Antenna with improved connector. Provided as a stack-on module. (Teledyne Isco 682000088).....	3,225.55	192.00
		Note: GSM cellular telephone service provided and paid for by customer. Provides wireless dial up and download with text message alarming. Powered from the module stack. Before ordering, contact the factory and confirm that compatible GSM service is available in the intended region.		
46 82 83 00-4406	EA	2103Gi GSM Cell Phone Package with 3G GSM modem for North American/Region A countries and Bolt-on Manhole Antenna with improved connector. Provided as a stack-on module. (Teledyne Isco 68-2000-108).....	3,225.55	192.00
		Note: GSM cellular telephone service provided and paid for by customer. Provides wireless dial up and download with text message alarming. Powered from the module stack. Before ordering, contact the factory and confirm that compatible GSM service is available in the intended region.		
46 82 83 00-4407	EA	Replacement external magnetic mount antenna for the 2103g modem communication module with original connector (before January 2010). This five-inch tall general purpose antenna is recommended for enclosure installations. (Teledyne Isco 682000047).....	248.12	14.76
46 82 83 00-4408	EA	2103, 2103C, and 2103G Modem Communication Module Instruction Manual. (Teledyne Isco 692003180).....	62.30	
46 82 83 00-4409	EA	2102 Wireless Remote Module. Stacks on 2150 Flow Monitoring System to provide two-way communication with base module (sold separately). Includes 2102 manual. (Teledyne Isco 682000003).....	2,493.59	148.43



<b>Water And Wastewater Equipment</b>	<b>46</b>
<b>Water Treatment Equipment</b>	<b>46 80</b>
<b>General Water Treatment Equipment</b>	<b>46 82</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4410 EA 2102 Wireless Base Module. Connects to computer running Flowlink software (v4.11 or higher) for communication with 2102 field monitoring stations. Includes 12 VDC power adapter (#60-2004-050) for vehicle cigarette lighter, 120 VAC power adapter (#60-2004-057), and 2102 instruction manual. Requires Flowlink software and computer connect cable, sold separately. (Teledyne Isco 682000002).....	2,729.31	162.46
46 82 83 00-4411 EA Connect Cable, 10 ft. (3 m). Connects 2102 Wireless Module to 6700 Series/Avalanche Sampler, 4200 Series Flow Meter, or 4100 Series Flow Logger. This connect cable will supply power from the sampler or flow meter to operate the 2102 wireless module. (Teledyne Isco 602004059) .....	250.60	14.92
46 82 83 00-4412 EA 12 VDC power adapter, to power 2101 or 2102 Module from vehicle cigarette lighter. (Teledyne Isco 602004050).....	133.98	7.98
46 82 83 00-4413 EA 120 VAC power adapter, to power a 2100 Series module from AC mains. One end is terminated with a 2100 Series bottom connector. The other end has a wall transformer that plugs into a North American 120 VAC outlet. (Teledyne Isco 602004057).....	146.39	8.71
46 82 83 00-4414 EA SPA 1311. Remote antenna for 2102. Provides an adapter to 2102, 25' of cable, and remote antenna. This is available when the standard external antenna is unsuitable. A Yagi or omnidirectional antenna is sent based on customer application. (Teledyne Isco 605314311) .....	573.16	34.12
Note: Earlier 2102s may require modification of 2102 to provide for external connector, contact SPA for details. US ONLY.		
46 82 83 00-4415 EA Maintenance Kit for 2102 Wireless Module. Includes three O-rings for connectors, silicon grease for O-ring lubricant, and instructions. (Teledyne Isco 602009002) .....	39.34	
46 82 83 00-4416 EA 2102 Wireless Module Instruction Manual. (Teledyne Isco 602003145).....	65.57	
46 82 83 00-4417 EA 2108 Analog Output Module. Connects to 4-20 mA output to external non-Isco equipment. Requires a computer running Flowlink software (v4.15 or higher) to configure the 2108 module. Includes small DIN rail, removable connector, and instruction manual. Does not include cables. (Teledyne Isco 682000010) .....	1,538.34	91.57
46 82 83 00-4418 EA 2100 Series Connect Cable, 50 ft. (15 m). One cable end has a single connector to plug into bottom of 2100 Module. Opposite end is terminated with six wires stripped for connection to 2108 Analog Output module. Quick Disconnect box, or other device. (Teledyne Isco 602004219).....	241.93	14.40
46 82 83 00-4419 EA Quick Disconnect Box. For 2100 Series network. (Teledyne Isco 602004228) .....	476.39	28.35
46 82 83 00-4420 LF SPA 1417. Cable, 6 conductor, 24 gauge. General Cable #CO516. For use between Quick Disconnect box and network isolator/power barrier. Priced per ft. (Teledyne Isco 605314417).....	2.61	0.15
Note: Specify total length when ordering		
46 82 83 00-4421 EA 2108 Instruction Manual (Teledyne Isco 692003239).....	67.76	
46 82 83 00-4422 EA SPA 1612. Mounting plate with 120 VAC Supply for 2100 Series modules and 2108 analog output. Made of aluminum; 2108 and power supply are mounted on a DIN rail. Power supply and 2108 are not NEMA rated. Power supply 341-0002-18 is included, the 2108 must be ordered separately. (Teledyne Isco 605314612).....	476.39	28.35
46 82 83 00-4423 EA 2101 Field Wizard Module. Includes Module Extension Cable and 2101 instruction manual. Requires Flowlink software version 4.12 or higher and external power source. Does not include power source or RS232 Communications Cable. (Teledyne Isco 682000006).....	2,555.63	152.13
46 82 83 00-4424 EA Module Extension Cable. Connects two 2100 Series modules that are not stacked together. (Teledyne Isco 602004056) .....	200.97	11.96
Note: Custom lengths available - use 60-5314-316.		
46 82 83 00-4425 EA SPA 1316. Module Extension Cable, custom length. Connects two 2100 Series modules that are not stacked together. (Teledyne Isco 605314316).....	161.28	9.60
Note: Specify custom length from 1 to 3,300 ft. (1,000 m). Contact factory for lengths exceeding 1,000 ft. May be used in tandem with USB communications cable (60-2004-507) for cut to length interrogate cable with a 100 ft. maximum length.		
	2.30	
46 82 83 00-4426 EA Maintenance Kit for 2101 Field Wizard Module. Includes two O-rings for connectors, silicon grease for O-ring lubricant, desiccant cartridge, desiccant, and instructions. (Teledyne Isco 602009001) .....	59.55	3.55
46 82 83 00-4427 EA SPA 1429. 2100 non-Isco Battery Connect Cable. Built to length, per ft. Maximum length is 50 ft. For connection of 2100, via bottom connector, to customer supplied deep cycle battery. Not for use with 2108, see SPA 1456 if 2108 is part of the application. (Teledyne Isco 605314429) .....	303.95	18.09
For Each LF Of Extension Cable, Add		
	2.30	
46 82 83 00-4428 EA SPA 1456. 2100 Non-Isco Battery Cable, top connection. Built to length, per ft. Maximum length is 50 ft. For connection of 2100, via top connector, to customer supplied deep cycle battery with two large alligator clips. For use with customer-supplied batteries and the Isco 2100 System. Appropriate for use with the 2108 module. (Teledyne Isco 605314456).....	291.53	17.36
For Each LF Of Extension Cable, Add		
	2.30	
46 82 83 00-4429 EA 2101 Field Wizard Instruction Manual (Teledyne Isco 602004070) .....	65.57	
46 82 83 00-4430 EA Alkaline Lantern Battery. Non-rechargeable, 6 VDC. For use with Isco 2191 Battery Module (2 required) or Isco 4100 Series Flow Loggers (2 required). (Teledyne Isco 340200602).....	34.74	2.07
46 82 83 00-4431 EA Model 945 Lead-Acid Lantern Battery. Rechargeable, 6 VDC. For use with Isco 2191 Battery Module (2 required). (Teledyne Isco 602004041).....	49.63	2.95
46 82 83 00-4432 EA Charging adapter for Model 945 Lead-Acid Lantern Batteries. Connects 2 Model 945 Batteries to Isco Model 963 or 965 Battery Charger. One required for every 2 batteries being recharged at one time. (Teledyne Isco 602004040) .....	163.76	9.75
46 82 83 00-4433 EA 2100 Power adapter cable, CE rated. Two-foot long cable includes connector for bottom of module stack and connector for an Isco model 934, 946, or 948 battery pack. (Teledyne Isco 692004451) .....	338.69	20.16
46 82 83 00-4434 EA Carrying handle with suspension strap. For 2100 System with one to four modules plus 2191 Battery Module. (Teledyne Isco 682000001).....	125.30	7.46
46 82 83 00-4435 EA Maintenance Kit for 2103 Modem Module. Includes three O-rings for connectors, silicon grease for O-ring lubricant, desiccant, and instructions. (Teledyne Isco 602009004) .....	58.31	3.47
46 82 83 00-4436 EA SPA 1232. 2100 Interrogate Cable, built to length. (Teledyne Isco 605314232) .....	362.25	21.56
Note: This is the interrogate cable for connection from the top connector of the 2100 series to a computer via 9 pin serial connector. Maximum length is 100 ft. Please specify length when ordering.		
	2.38	
46 82 83 00-4437 EA SPA 1290. 2100 Power Adapter Cable, Non CE rated. Allows use of standard 2-pin Isco power packs and batteries with 2100 systems. Built to length, per ft. Minimum length is 3 ft., maximum length is 25 ft. See part number 69-2004-451 for standard CE rated 2 ft. version. (Teledyne Isco 605314290).....	353.57	21.04
Note: Not for use with 2108 module.		
	2.38	
46 82 83 00-4438 EA SPA 1347. Solar Panel with bracket, 40 watts, for use with customer supplied battery; 100 amp-hour or greater recommended. Includes pole mount bracket and an 8 ft cable with two 5/16-inch terminal lugs for connection to lead acid battery. (Teledyne Isco 605314347).....	1,290.22	76.80
Note: Does not include a 12 VDC connect cable from the battery to an Isco device. Refer to connect cables 60-1394-023, 60-5314-189, or 60-5304-921 to power Isco devices excluding 2100 modules. For 2100 Series Module battery connect cables, use 60-5314-429 or 60-5314-456.		

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4439	EA	SPA 1377. Deep Stream Earth Anchor for Isco Sensors. Used to mount Isco sensors in saturated or deep stream beds. Screws into stream bottom. Includes quick connect tabs for mounting sensor carriers and the standard profile AV sensor. (Teledyne Isco 605314377).....	258.04	15.36
		Note: For a low profile AV probe also order part number 60-3204-029. Approximately 30 inches in length from top to bottom.		
46 82 83 00-4440	EA	SPA 1389. Aluminum Cable Shield, built to length. Aluminum shield for cable to protect from animal damage. (Teledyne Isco 605314389).....	119.10	7.09
		Note: Must be ordered in tandem with cut to length probe (commonly 60-5304-841, 60-5314-074, 60-5314-233, 60-5314-271 or 60-5314-646) Maximum length is 75 ft. Contact factory for longer lengths.		
		<i>For Each LF Of Aluminum Cable Shield, Add</i>	3.39	
46 82 83 00-4441	EA	SPA 1396. Two piece interrogator cable, cut to length, for 2100 Series devices. Mates to 60-2544-026 or 60-2544-027. (Teledyne Isco 605314396).....	310.14	18.46
		Note: 200 ft. maximum length.		
		<i>For Each LF Of Extension Cable, Add</i>	2.38	
46 82 83 00-4442	EA	SPA 1461. 2108 Power Cable. Spans the distance from 2108 and rest of stack. (Teledyne Isco 605314461).....	198.48	11.81
		Note: Same as 602004219 50 ft. Power Node Cable, but built to length, per ft.		
		<i>For Each LF Of Extension Cable, Add</i>	2.38	
46 82 83 00-4443	EA	SPA 1493. 2103 Modem Surge Protection. Includes surge protector with grounding strap, 50 ft. of cable with grounding plate to place on mounting ring of 2150. Contact factory for details if used with other Isco Instruments. (Teledyne Isco 605314493).....	719.55	42.83
46 82 83 00-4444	EA	SPA 1519. Shallow Stream Earth Anchor for Isco Sensors. Used to mount Isco sensors in dry or shallow stream beds. Screws into stream bottom. Includes quick connect tabs for mounting sensor carriers or the standard profile AV sensor. (Teledyne Isco 605314519).....	258.04	15.36
		Note: For a low profile AV probe also order part number 60-3204-029. Approximately 15 inches in length from top to bottom.		
46 82 83 00-4445	EA	SPA 1529. MODBUS Communications cable for use with 2100 System. Commonly used with TELOG 3307 System. Cable is built to length. (Teledyne Isco 605314529).....	130.26	7.75
		<i>For Each LF Of Extension Cable, Add</i>	2.38	
46 82 83 00-4446	EA	SPA 1543. 10 watt solar panel and mounting bracket, without cable. Replaces 603004100. Connects with 603004097 cable. (Teledyne Isco 605314543).....	812.58	48.37
46 82 83 00-4447	EA	SPA 1603. 2100 Y Cable. This cable connects to the bottom port of the 2100 series and provides two bottom connectors from single 2100 on 2 ft. cables. (Teledyne Isco 605314603).....	286.58	17.05
46 82 83 00-4448	EA	SPA 1629. Solar Panel with bracket, 110 watts, for use with customer supplied battery; 12 VDC deep-cycle or lead-acid marine battery, 100 amp-hour or greater recommended. Includes pole mount bracket and an 8 ft cable with two 5/16-inch terminal lugs for connection to lead acid battery. Does not include a 12 VDC connect cable from the battery to an Isco device. Refer to connect cables 60-1394-023, 60-5314-189, or 60-5304-921 to power Isco devices excluding 2100 modules. For 2100 Series Module battery connect cables, see 60-5314-429 or 60-5314-456. (Teledyne Isco 605314629).....	2,833.52	168.66
46 82 83 00-4449	EA	SPA 1825. Cable for connection to top of 2100 series, provides all pins as bare wire ends. Similar to 60-2004-219 only connects to top connector. Useful if 2108 is employed because the 2108 module utilizes the bottom connector of the 2100 series stack. (Teledyne Isco 605314825).....	192.29	11.45
		<i>For Each LF Of Extension Cable, Add</i>	2.38	
46 82 83 00-4450	EA	SPA 1929. External Box Inputs Up To 8 Channels of 4-20 mA Analog Input Signals to Modbus Output Interface for 2105. Outdoor rated enclosure provides a single 10-foot cable with sixteen pig tail wires for up to eight 4-20 mA input signals and another 9-foot output cable for output connection to the 2105 side connector. (Teledyne Isco 605314929).....	2,791.34	166.16
46 82 83 00-4451	EA	SPA 1933. 2100 Sampler Interface with contact closure output for non-Isco sampler or PLC. Powered from 2150/2110/2105 bottom connection. Dry contacts change state momentarily every 1,000 gallons or 5,000 liters depending on 2100 set-up. (Teledyne Isco 605314933).....	463.98	27.62
46 82 83 00-4452	EA	SPA 1942. External Box Inputs Up To 4 Channels of 4-20 mA Analog Input Signals to SDI-12 convertor for the 2105. Outdoor rated enclosure provides four 10-foot cables with pig-tail wires for connection to four 4-20 mA input signals and a 9-foot cable for connection to the 2105 side connector. (Teledyne Isco 605314942).....	2,592.84	154.35
46 82 83 00-4453	EA	2150EX Flow Module with 2196EX Battery Module and carrying handle. Includes AV2150EX sensor with 3 meter (10 ft) level measurement range and 10 meter (33 ft) cable. Zone 1 and Cl I, Div 1 approved. (Teledyne Isco 682000043).....	9,371.46	557.85
46 82 83 00-4454	EA	2150EX Flow Module with AV2150EX probe, Zone 0 and Cl I, Div 1 approved. Requires a 2196EX Battery Module (Zone 1 and Cl I, Div1), or power from a 2194EX Network Interface Module (Zone 0). (Teledyne Isco 682000021).....	7,757.43	461.77
		Note: May also be used as an add-on module for a 2150EX system (up to two 2150EX Flow Modules per stack).		
46 82 83 00-4455	EA	2150EX Flow module only, Zone 0 and Cl I, Div 1 approved. (Teledyne Isco 602004330).....	6,103.74	363.33
46 82 83 00-4456	EA	2196EX Battery Module only, Zone 1 and Cl I, Div 1 approved. Includes permanently-installed rechargeable batteries. (Teledyne Isco 602004540).....	1,653.72	98.43
46 82 83 00-4457	EA	2194EX Network Interface Module, with up to 245 ft (75 m) CA75EX cable, Zone 0 approved. Includes Network Interface connector Kit (60-2004-468), Power Adapter Cable (69-2004-451), and 2100EX bottom plate. (Teledyne Isco 682000037).....	4,209.34	250.57
		Note: The 2194EX module is to be installed in the safe area where it can serve as a network isolator and power supply for a 2150EX module installed in a potentially explosive atmosphere. The 2194EX module can be networked with other 2100 series devices in the safe area and can be used to retrieve data through an Isco RS232 cable (60-2004-046 or 60-5314-232, not included). Can be powered by Isco 910/920 series power packs, Isco 934 or 940 series batteries, or a 12 or 24 VDC source rated for the power requirements. Customer must specify cable length (up to 245 ft).		
46 82 83 00-4458	EA	2194EX Network Interface Module, with up to 490 ft (150 m) CA150EX cable, Zone 0 approved. Includes Network Interface connector Kit (60-2004-468), Power Adapter Cable (69-2004-451), and 2100EX bottom plate. (Teledyne Isco 682000038).....	4,317.27	257.00
		Note: The 2194EX module is to be installed in the safe area where it can serve as a network isolator and power supply for a 2150EX module installed in a potentially explosive atmosphere. The 2194EX module can be networked with other 2100 series devices in the safe area and can be used to retrieve data through an Isco RS232 cable (60-2004-046 or 60-5314-232, not included). Can be powered by Isco 910/920 series power packs, Isco 934 or 940 series batteries, or a 12 or 24 VDC source rated for the power requirements. Customer must specify cable length (up to 490 ft).		
46 82 83 00-4459	EA	2194EX Network Interface Module Only, Zone 0 approved. (Teledyne Isco 602004333).....	3,242.91	193.04
		Note: The 2194EX module is to be installed in the safe area where it can serve as a network isolator and power supply for a 2150EX module installed in a potentially explosive atmosphere. Requires a power source, Network Interface connector Kit (60-2004-468), and a 2100EX bottom plate.		
46 82 83 00-4460	EA	AV2150EX Area Velocity EX Sensor for 2150EX, 2151, and 2151P, with 3 meter (10 ft) level measurement range and 10 meter (33 ft) cable, Zone 0 and Cl I, Div 1 approved. (Teledyne Isco 602004331).....	1,690.92	100.65



<b>Water And Wastewater Equipment</b>	<b>46</b>
<b>Water Treatment Equipment</b>	<b>46 80</b>
<b>General Water Treatment Equipment</b>	<b>46 82</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4461 EA AV2150EX-CTL Area Velocity EX Sensor for 2150EX, 2151, and 2151P, with 3 meter (10 feet) level measurement range and 25 meter (82 ft), Zone 0 and CI I, Div 1 approved. (Teledyne Isco 602004334) .....	1,831.12	109.00
Note: Contact factory for cable lengths less than 25 meters.		
46 82 83 00-4462 EA Charger for 2196EX Battery Module. (Teledyne Isco 682000044) .....	248.12	14.76
46 82 83 00-4463 EA Cable assembly, 2196EX charger. (For use with Isco Model 963 or 965 battery chargers.) (Teledyne Isco 602004547) .....	121.57	7.23
46 82 83 00-4464 EA RS232EX Isolator cable, 3 m, Zone 0 and CI I, Div 1 approved. Connects to NET2EX or NET8EX network cable and personal computer D-Sub (Serial Port) connector located in safe area. (Teledyne Isco 602004339) .....	1,069.39	63.66
46 82 83 00-4465 EA NET2EX Network Cable, 2 m, Zone 0 and CI I, Div 1 approved. (Teledyne Isco 602004335) .....	802.67	47.78
Note: Provides connection to RS232EX Isolator Cable or RS485EX Isolator Cable.		
46 82 83 00-4466 EA NET8EX Network cable, 8 m, Zone 0 and CI I, Div 1 approved. (Teledyne Isco 602004336) .....	676.12	40.25
Note: Provides connection to RS232EX Isolator Cable or RS485EX Isolator Cable.		
46 82 83 00-4467 EA RS485EX Isolator cable, 3 m, Zone 0 approved. (Teledyne Isco 602004340) .....	707.14	42.09
Note: Connects to NET2EX or NET8EX network cable and to 2100 Series product located in safe area.		
46 82 83 00-4468 EA CA75EX Network Interface EX cable assembly, 75 meters for 2194EX and single or dual 2150EX, Zone 0 approved. (Teledyne Isco 602004337) .....	538.42	32.05
Note: Contact factory for cable lengths less than 75 meters (246 feet).		
46 82 83 00-4469 EA CA150EX Network Interface EX cable assembly, 150 meters for 2194EX and single 2150EX, Zone 0 approved. (Teledyne Isco 602004338) .....	789.01	46.97
Note: Contact factory for cable lengths less than 150 meters (492 feet).		
46 82 83 00-4470 EA 2100EX Bottom Plate for 2194EX, 2191EX, and 2150EX, Zone 0 and CI I, Div 1 approved. (Teledyne Isco 682000028) .....	260.53	15.51
46 82 83 00-4471 EA 2151 Flow System with two 6 VDC alkaline batteries, Eveready Energizer 529. Includes Area Velocity Sensor with 10 ft. (3 m) level measurement range and 25 ft. (7.6 m) cable, carrying handle with suspension strap, RS232 Barrier Communication Cable. Also includes instruction manual and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682000008) .....	8,049.00	479.12
Note: Requires Flowlink software (sold separately).		
46 82 83 00-4472 EA 2151 Flow System with two 6 VDC alkaline batteries, Eveready Energizer 529. Includes Area Velocity Sensor with 10 ft. (3 m) level measurement range and 25 ft. (7.6 m) cable, and carrying handle with suspension strap. Also includes instruction manual and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682000009) .....	7,438.62	442.78
Note: Requires Flowlink software and RS232 Barrier Communication Cable (both sold separately).		
46 82 83 00-4473 EA 2151P Flow System. Includes 2100 Series Connect Cable and Area Velocity Sensor with 10 ft. (3 m) level measurement range and 25 ft. (7.6 m) cable. Also includes instruction manual and coupon for free Isco Open Channel Flow Measurement handbook. (Teledyne Isco 682000011) .....	7,147.07	425.44
Note: Requires Flowlink software (sold separately).		
46 82 83 00-4474 EA RS232 Communication/Barrier Cable, 25 ft. (7.6 m). Connects 2151 Area Velocity System to PC with 9 pin Serial port connector. (Teledyne Isco 602004153) .....	563.23	33.53
46 82 83 00-4475 EA NTWK ISLTR HAZLOC Network Communication Isolator. Connects 2151 Area Velocity Flow System to 2100 series product located in the safe area. DIN rail mounted. (Teledyne Isco 602004224) .....	553.30	32.93
Note: Requires cable (CA ASSY CSA NTWK or CA ASSY CSA NTWK75) to connect to Isolator.		
46 82 83 00-4476 EA CA ASSY CSA NTWK Network Communication/Barrier Cable, 25 ft. (7.6 m). (Teledyne Isco 602004201) .....	490.05	29.17
Note: Connects 2151 Area Velocity Flow System to 2100 series product located in the safe area.		
46 82 83 00-4477 EA CA ASSY CSA NTWK75 Network communication/barrier cable, 75 ft. (23 m). (Teledyne Isco 602004263) .....	628.98	37.44
Note: Connects 2151 area velocity flow system to 2100 series product located in the safe area.		
46 82 83 00-4478 EA Maintenance Kit for 2151 Flow System. Includes four O-rings for connectors, silicon grease for O-ring lubricant, hydrophobic filter, two O-rings for desiccant cartridge, desiccant, and instructions. (Teledyne Isco 602009005) .....	65.75	3.91
46 82 83 00-4479 EA Entity Rated Power Barrier. CSA approved power isolator. Converts 100-250 VAC to intrinsically-safe 12 VDC out. DIN rail mounted. (Teledyne Isco 341001201) .....	1,761.65	104.86
46 82 83 00-4480 EA Dummy Barrier. Secures and terminates unused wires in the hazardous area. DIN rail mounted. (Teledyne Isco 109022008) .....	192.29	11.45
46 82 83 00-4481 EA 2151 Flow System Instruction Manual. (Teledyne Isco 602004162) .....	72.13	
46 82 83 00-4482 EA Flowlink 5.1 Software, two user licenses. For retrieving measurement, parameter, and sample data from Isco 2100 Series Modules and 2101 Field Wizard, 4100 Series Flow Loggers, 4200 Series Flow Meters, Pulsed Doppler Flow Meters, 6700 Series/Avalanche Samplers, 676 and 677 Logging Rain Gauge Systems, and 581 Rapid Transfer Device. Stores data in a database and generates a variety of user-customizable graphs and tables. Data can also be exported in ASCII format for analysis by programs such as Microsoft Excel, HTML format for viewing in a web browser, and PDF format for viewing in Adobe Reader. Operates on Windows XP, Vista, 7, Server 2003, and Server 2008. Supplied on CD-ROM. Software supports multiple languages, one of which is selected during installation. (Teledyne Isco 682540200) .....	2,549.42	151.76
46 82 83 00-4483 EA Flowlink LE Software, single user license. For retrieving measurement, parameter, and sample data from Isco 2100 Series Modules, 4100 Series Flow Loggers, 4200 Series Flow Meters, Pulsed Doppler Flow Meters, 6700 Series/Avalanche Samplers, 676 and 677 Logging Rain Gauge Systems, and 581 Rapid Transfer Device. Stores data in a database and generates a graph and table of a single data series. Data can also be exported in ASCII format for analysis by programs such as Microsoft Excel. Operates on Windows XP, Vista, 7, Server 2003, and Server 2008. Supplied on CD-ROM. Software supports multiple languages, one of which is selected during installation. Note that Flowlink LE does not support the 2101 Field Wizard, data editing, and graphs using multiple data series. If these functions are needed, order Flowlink 5.1 instead. (Teledyne Isco 682540201) .....	372.17	22.16
46 82 83 00-4484 EA Flowlink 5.1 Software Lease, two user licenses for lease customers. Contact factory for pricing based on lease period. (Teledyne Isco 682540203) .....	2,549.42	151.76
46 82 83 00-4485 EA Flowlink 5.1 Software, One additional user license. (Teledyne Isco 682540204) .....	483.83	28.81
46 82 83 00-4486 EA Flowlink 5.1 software, two user licenses. Special pricing for Flowlink 5.0 users. (Teledyne Isco 682540209) .....	161.28	9.60
46 82 83 00-4487 EA Flowlink 5.1 Software. Special pricing to upgrade additional user licenses of Flowlink 5.0 previously purchased as catalog number 68-2540-204. (Teledyne Isco 682540275) .....	37.22	2.21
46 82 83 00-4488 EA Flowlink 5.1 Software, two user licenses. Special pricing for current Flowlink 4 users. (Teledyne Isco 682540205) .....	992.47	59.08
46 82 83 00-4489 EA Flowlink 5.1 Software, two user licenses. Special pricing for current Flowlink LE users. (Teledyne Isco 682540208) .....	2,208.25	131.46
46 82 83 00-4490 EA Flowlink Pro software, two total licenses. Supplied on CD-ROM. For retrieving flow, rainfall, parameter and sample data from Isco 2100 Series Modules and 2100 Field Wizard, 4100 Series Flow Loggers, 4200 Series Flow Meters, Pulsed Doppler Flow Meters, 6700 Series/Avalanche Samplers, 676 and 677 Logging Rain Gauge Systems, and 581 Rapid Transfer Device. Stores data in a Microsoft SQL or Oracle central database and generates a variety of graphs and tables from stored data. Data can also be exported in ASCII format for analysis by programs such as Microsoft Excel, HTML format for viewing in a web browser, and PDF format for viewing in Adobe Reader. Server software to support central database connections, pushed instrument data, server alarms, and web display of data. Flowlink Server operates on Windows Server 2003 and Server 2008. Enterprise database software required but not included. (Teledyne Isco 682540276) .....	3,827.24	227.82



**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4491 EA Flowlink Pro software, five total licenses. Supplied on CD-ROM. For retrieving flow, rainfall, parameter and sample data from Isco 2100 Series Modules and 2100 Field Wizard, 4100 Series Flow Loggers, 4200 Series Flow Meters, Pulsed Doppler Flow Meters, 6700 Series/Avalanche Samplers, 676 and 677 Logging Rain Gauge Systems, and 581 Rapid Transfer Device. Stores data in a Microsoft SQL or Oracle central database and generates a variety of graphs and tables from stored data. Data can also be exported in ASCII format for analysis by programs such as Microsoft Excel, HTML format for viewing in a web browser, and PDF format for viewing in Adobe Reader. Server software to support central database connections, pushed instrument data, server alarms, and web display of data. Flowlink Server operates on Windows Server 2003 and Server 2008. Enterprise database software required but not included. (Teledyne Isco 682540277).....	8,938.48	532.08
46 82 83 00-4492 EA Flowlink Pro software, eight total licenses. Supplied on CD-ROM. For retrieving flow, rainfall, parameter and sample data from Isco 2100 Series Modules and 2100 Field Wizard, 4100 Series Flow Loggers, 4200 Series Flow Meters, Pulsed Doppler Flow Meters, 6700 Series/Avalanche Samplers, 676 and 677 Logging Rain Gauge Systems, and 581 Rapid Transfer Device. Stores data in a Microsoft SQL or Oracle central database and generates a variety of graphs and tables from stored data. Data can also be exported in ASCII format for analysis by programs such as Microsoft Excel, HTML format for viewing in a web browser, and PDF format for viewing in Adobe Reader. Server software to support central database connections, pushed instrument data, server alarms, and web display of data. Flowlink Server operates on Windows Server 2003 and Server 2008. Enterprise database software required but not included. (Teledyne Isco 682540270).....	12,771.93	760.26
46 82 83 00-4493 EA Flowlink Pro software, fifteen total licenses. Supplied on CD-ROM. For retrieving flow, rainfall, parameter and sample data from Isco 2100 Series Modules and 2100 Field Wizard, 4100 Series Flow Loggers, 4200 Series Flow Meters, Pulsed Doppler Flow Meters, 6700 Series/Avalanche Samplers, 676 and 677 Logging Rain Gauge Systems, and 581 Rapid Transfer Device. Stores data in a Microsoft SQL or Oracle central database and generates a variety of graphs and tables from stored data. Data can also be exported in ASCII format for analysis by programs such as Microsoft Excel, HTML format for viewing in a web browser, and PDF format for viewing in Adobe Reader. Server software to support central database connections, pushed instrument data, server alarms, and web display of data. Flowlink Server operates on Windows Server 2003 and Server 2008. Enterprise database software required but not included. (Teledyne Isco 682540278).....	21,077.71	1,254.67
46 82 83 00-4494 EA Flowlink Pro Software, one additional license. (Teledyne Isco 682540271).....	1,910.52	113.73
46 82 83 00-4495 EA Flowlink Pro Software, special pricing for current Flowlink 5 users, eight total licenses. Discounts pricing of Flowlink Pro software as described by part number 68-2540-270 for current Flowlink 5 users. (Teledyne Isco 682540272).....	10,216.31	608.14
46 82 83 00-4496 EA Flowlink Pro Software, special pricing for current Flowlink 5 users, two total licenses. Discounts pricing of Flowlink Pro software as described by part number 68-2540-276 for current Flowlink 5 users. (Teledyne Isco 682540279).....	1,277.82	76.06
46 82 83 00-4497 EA accQpulse Shallow Water ADFM. Includes sensor with 15m (49 ft.) cable, NEMA 6P (IP68) field housing, WinADFM software, and operation manual. Replaces 687400010 when 10m cable inventory is depleted. (Teledyne Isco 687400015).....	19,360.74	1,152.47
46 82 83 00-4498 EA accQpulse Shallow Water ADFM. Includes sensor with 45 m (147 ft.) cable, NEMA 6P (IP68) field housing, WinADFM software, and operation manual. (Teledyne Isco 687400045).....	20,632.34	1,228.16
46 82 83 00-4499 EA accQpulse Deep Water ADFM. Includes sensor with 15m (49 ft.) cable, IP68 field housing, WinADFM software, and operation manual. (Teledyne Isco 687400315).....	20,632.34	1,228.16
46 82 83 00-4500 EA accQpulse Deep Water ADFM. Includes sensor with 45 m (147 ft.) cable, IP68 field housing, WinADFM software, and operation manual. (Teledyne Isco 687400345).....	21,369.26	1,272.03
46 82 83 00-4501 EA accQpulse electronics assembly. (Teledyne Isco 627400010).....	14,878.46	885.66
46 82 83 00-4502 EA IS shallow water accQpulse sensor with 15 m (49 ft.) cable. (Teledyne Isco 607404915).....	4,514.53	268.73
46 82 83 00-4503 EA IS shallow water accQpulse sensor with 45 m (147 ft.) cable. (Teledyne Isco 607404945).....	5,644.71	336.00
46 82 83 00-4504 EA IS deep water accQpulse sensor with 15 m (49 ft.) cable. (Teledyne Isco 607904915).....	5,644.71	336.00
46 82 83 00-4505 EA IS deep water accQpulse sensor with 45 m (147 ft.) cable. (Teledyne Isco 607904945).....	6,885.32	409.85
46 82 83 00-4506 EA RS232 Communication Cable, 10 ft. (3 m). Connects accQpulse, ADFM Box, or ADFM Canister with Amp connectors to PC with 9-pin serial port connector. (Teledyne Isco 607004057).....	107.93	6.43
46 82 83 00-4507 EA Wall/Console mounting kit, accQpulse electronics. (Teledyne Isco 607409001).....	69.47	4.14
46 82 83 00-4508 EA SPA 1939. Extension cable for accQpulse sensor. Total cable length should not exceed 150 ft. without prior factory approval. (Teledyne Isco 605314939).....	880.82	52.43
<i>For Each LF Of AccQpulse Sensor Extension Cable, Add</i>	6.33	
46 82 83 00-4509 EA IS shallow water accQpulse flow meter system with QBADFM Barrier module. Base price includes accQpulse electronics assembly, IS shallow water accQpulse sensor with 15 m (49 ft.) cable, WinADFM software, operation manual, and 60-7404-023 QBADFM module pre-wired with cut-to-length Q75EXT-CTL barrier to sensor extension cable. (Teledyne Isco 687400115).....	22,057.78	1,313.01
Note: The Q75EXT-CTL cable can be cut to length up to 60 m (196 ft) for additional cost. Specify Q75EXT-CTL cable length on order. Total length of IS shallow water accQpulse sensor cable plus Q75EXT-CTL cable cannot exceed 75 m (245 ft). Order power accessories separately. Contact factory for assistance with conduit applications.		
<i>For Each LF Of Q75EX-CTL Cable, Add</i>	6.20	
46 82 83 00-4510 EA IS shallow water accQpulse flow meter system with QBADFM Barrier module. Base price includes accQpulse electronics assembly, IS shallow water accQpulse sensor with 45 m (147 ft.) cable, WinADFM software, operation manual, and 60-7404-023 QBADFM module with pre-wired cut-to-length Q75EXT-CTL barrier to sensor extension cable. (Teledyne Isco 687400145).....	23,496.88	1,398.68
Note: The Q75EXT-CTL cable can be cut to length up to 30 m (98 ft) for additional cost. Specify Q75EXT-CTL cable length on order. Total length of IS shallow water accQpulse sensor cable plus Q75EXT-CTL cable cannot exceed 75 m (245 ft). Order power accessories separately. Contact factory for assistance with conduit applications.		
<i>For Each LF Of Q75EX-CTL Cable, Add</i>	6.20	
46 82 83 00-4511 EA IS shallow water accQpulse flow meter system with QBADFM Barrier module and secondary pressure sensor. Base price includes accQpulse electronics assembly, IS shallow water accQpulse sensor with 15 m (49 ft.) cable, secondary pressure sensor (specify maximum pressure rating (2.5 to 30 psi), and cable length (250 ft. or 76.2 meters maximum) at time of order), WinADFM software, operation manual, and 60-7404-022 QBADFM module with secondary pressure sensor support pre-wired with cut-to-length Q75EXT-CTL and P75EXT-CTL barrier to sensor extension cables. (Teledyne Isco 687400215).....	26,511.52	1,578.13
Note: The Q75EXT-CTL and P75EXT-CTL cables can be cut to length up to 60 m (196 ft) for additional cost. Specify Q75EXT-CTL cable length on order. Total length of either sensor cable plus extension cable cannot exceed 75 m (245 ft). Order power accessories separately. Contact factory for assistance with conduit applications.		
<i>For Each LF Of P75EXT-CTL Cable, Add</i>	1.15	
<i>For Each LF Of Q75EX-CTL Cable, Add</i>	6.20	



<b>Water And Wastewater Equipment</b>	<b>46</b>	<b>46</b>
<b>Water Treatment Equipment</b>	<b>46 80</b>	
<b>General Water Treatment Equipment</b>	<b>46 82</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4512 EA IS shallow water accQpulse flow meter system with QBADFM Barrier module and secondary pressure sensor. Base price includes accQpulse electronics assembly, IS shallow water accQpulse sensor with 45 m (147 ft.) cable, secondary pressure sensor (specify maximum pressure rating (2.5 to 30 psi), and cable length (250 ft. or 76.2 meters maximum) at time of order), WinADFM software, operation manual, and 60-7404-022 QBADFM module with secondary pressure sensor support with pre-wired cut-to-length Q75EXT-CTL and P75EXT-CTL barrier to sensor extension cables. (Teledyne Isco 687400245) .....28,211.14	28,211.14	1,679.30
Note: The Q75EXT-CTL and P75EXT-CTL cables can be cut to length up to 30 m (98 ft) for additional cost. Specify Q75EXT-CTL and P75EXT-CTL cable lengths on order. Total length of either sensor cable plus extension cable cannot exceed 75 m (245 ft). Order power accessories separately. Contact factory for assistance with conduit applications.		
For Each LF Of P75EXT-CTL Cable, Add	1.15	
For Each LF Of Q75EX-CTL Cable, Add	6.20	
46 82 83 00-4513 EA IS deepwater accQpulse flow meter system with QBADFM Barrier module. Base price includes accQpulse electronics assembly, IS deepwater accQpulse sensor with 15 m (49 ft.) cable, WinADFM software, operation manual, and 60-7404-023 QBADFM module pre-wired with cut-to-length Q75EXT-CTL barrier to sensor extension cable. (Teledyne Isco 687400415) .....23,323.20	23,323.20	1,388.33
Note: The Q75EXT-CTL cable can be cut to length up to 60 m (196 ft) for additional cost. Specify Q75EXT-CTL cable length on order. Total length of IS deepwater accQpulse sensor cable plus Q75EXT-CTL cable cannot exceed 75 m (245 ft). Order power accessories separately. Contact factory for assistance with conduit applications.		
For Each LF Of Q75EX-CTL Cable, Add	6.20	
46 82 83 00-4514 EA IS deepwater accQpulse flow meter system with QBADFM Barrier module. Base price includes accQpulse electronics assembly, IS deepwater accQpulse sensor with 45 m (147 ft.) cable, WinADFM software, operation manual, and 60-7404-023 QBADFM module with pre-wired cut-to-length Q75EXT-CTL barrier to sensor extension cable. (Teledyne Isco 687400445) .....24,774.68	24,774.68	1,474.74
Note: The Q75EXT-CTL cable can be cut to length up to 30 m (98 ft) for additional cost. Specify Q75EXT-CTL cable length on order. Total length of IS deepwater accQpulse sensor cable plus Q75EXT-CTL cable cannot exceed 75 m (245 ft). Order power accessories separately. Contact factory for assistance with conduit applications.		
For Each LF Of Q75EX-CTL Cable, Add	6.20	
46 82 83 00-4515 EA IS deepwater accQpulse flow meter system with QBADFM Barrier module and secondary pressure sensor. Base price includes accQpulse electronics assembly, IS deepwater accQpulse sensor with 15 m (49 ft.) cable, secondary pressure sensor (specify maximum pressure rating (2.5 to 30 psi), and cable length (250 ft. or 76.2 meters maximum) at time of order), operation manual, and 60-7404-022 QBADFM module with secondary pressure sensor support pre-wired with cut-to-length Q75EXT-CTL and P75EXT-CTL barrier to sensor extension cables. (Teledyne Isco 687400515) .....27,776.92	27,776.92	1,653.46
Note: The Q75EXT-CTL and P75EXT-CTL cables can be cut to length up to 60 m (196 ft) for additional cost. Specify Q75EXT-CTL cable length on order. Total length of either sensor cable plus extension cable cannot exceed 75 m (245 ft). Order power accessories separately. Contact factory for assistance with conduit applications.		
For Each LF Of P75EXT-CTL Cable, Add	1.15	
For Each LF Of Q75EX-CTL Cable, Add	6.20	
46 82 83 00-4516 EA IS deepwater accQpulse flow meter system with QBADFM Barrier module and secondary pressure sensor. Base price includes accQpulse electronics assembly, IS deepwater accQpulse sensor with 45 m (147 ft.) cable, secondary pressure sensor (specify maximum pressure rating (2.5 to 30 psi), and cable length (250 ft. or 76.2 meters maximum) at time of order), WinADFM software, operation manual, and 60-7404-022 QBADFM module with secondary pressure sensor support with pre-wired cut-to-length Q75EXT-CTL and P75EXT-CTL barrier to sensor extension cables. (Teledyne Isco 687400545) .....29,476.55	29,476.55	1,754.62
Note: The Q75EXT-CTL and P75EXT-CTL cables can be cut to length up to 30 m (98 ft) for additional cost. Specify Q75EXT-CTL and P75EXT-CTL cable lengths on order. Total length of either sensor cable plus extension cable cannot exceed 75 m (245 ft). Order power accessories separately. Contact factory for assistance with conduit applications.		
For Each LF Of P75EXT-CTL Cable, Add	1.15	
For Each LF Of Q75EX-CTL Cable, Add	6.20	
46 82 83 00-4517 EA QBADFM Barrier Module without secondary pressure sensor support. Base price includes module pre-wired with cut-to-length Q75EXT-CTL barrier to IS accQmin sensor extension cable. (Teledyne Isco 607404023) .....2,617.66	2,617.66	155.82
Note: Specify the Q75EXT-CTL cable length on order. Total length of IS accQmin sensor cable plus Q75EXT-CTL cable cannot exceed 75 m (245 ft).		
For Each LF Of Q75EX-CTL Cable, Add	6.20	
46 82 83 00-4518 EA accQpulse Secondary Pressure Sensor Kit for QBADFM Barrier Module 60-7404-023. Kit installs accQpulse Secondary Pressure Sensor Upgrade Kit (60-7407-001), Signal Barrier (109-0220-24) with mounting bracket, and cut-to-length P75EXT-CTL secondary pressure sensor extension cable. (Teledyne Isco 687400107) .....1,215.79	1,215.79	72.37
Note: Specify cable lengths on order. Total length of secondary pressure sensor cable plus P75EXT-CTL cable cannot exceed 75 m (245 ft). Requires IS secondary pressure sensor for accQpulse at desired cable length and depth range, ordered separately.		
For Each LF Of P75EXT-CTL Cable, Add	1.15	
46 82 83 00-4519 EA QBADFM Barrier Module with secondary pressure sensor support. Module includes accQpulse Secondary Pressure Sensor Factory Upgrade 68-7400-107. Module is pre-wired with cut-to-length Q75EXT-CTL barrier to IS accQmin sensor extension cable and cut-to-length P75EXT-CTL barrier to pressure sensor extension cable. (Teledyne Isco 607404022) .....3,796.21	3,796.21	225.98
Note: Specify cable lengths on order. Total length of each pair of sensor cable plus extension cable cannot exceed 75 m (245 ft).		
For Each LF Of P75EXT-CTL Cable, Add	1.15	
For Each LF Of Q75EX-CTL Cable, Add	6.20	
46 82 83 00-4520 EA accQpulse Secondary Pressure Sensor Kit for QBADFM Barrier. Allows use of any "MTL 700" barrier. Includes components to field upgrade IS accQpulse barrier for the secondary pressure option. Kit includes stand-alone signal barrier mounting bracket, scaling resistor, label, and input cable. (Teledyne Isco 607407001) .....260.53	260.53	15.51
Note: Order the signal barrier, secondary pressure sensor, and P75EXT-CTL secondary pressure sensor extension cable separately as needed.		
46 82 83 00-4521 EA Q75EXT-CTL IS accQpulse sensor extension cable, custom length. Base price includes 1 m (3 ft). (Teledyne Isco 607404975) .....322.56	322.56	19.20
Note: Total length of IS accQpulse sensor cable plus Q75EXT-CTL cable cannot exceed 75 m (245 ft). Specify extension cable length on order.		
For Each LF Of AccQpulse Sensor Extension Cable, Add	6.33	

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4522	EA		P75EXT-CTL secondary pressure sensor extension cable, custom length. Base price includes 1 m (3 ft). (Teledyne Isco 607404875).....	148.88	8.86
			Note: Total length of secondary pressure sensor cable plus P75EXT-CTL cable cannot exceed 75 m (245 ft). Specify extension cable length on order.		
			<i>For Each LF Of Extension Cable, Add</i>	1.18	
46 82 83 00-4523	EA		Signal Barrier replacement, MTL700 Series Analog 4-20. Stand-alone signal barrier for secondary pressure sensor. (Teledyne Isco 109022024).....	452.82	26.96
46 82 83 00-4524	EA		Power Supply Kit, 18 VDC chassis mount, for IS accQpulse installations. This 30 watt power supply accepts universal AC input (100-240 VAC 50/60Hz) at wire terminals and includes cable and connector for accQpulse electronics. (Teledyne Isco 607404028).....	209.66	12.48
			Note: Voltage suitable for accQcomm power. For DIN rail mounting use 109022025 mounting bracket.		
46 82 83 00-4525	EA		SPA 1905, DC 24V-18V power cable pigtail for IS accQpulse systems with Amp connector. (Teledyne Isco 605314905).....	198.48	11.81
			Note: Provides recommended 18VDC from user supplied-24VDC supplies.		
46 82 83 00-4526	EA		ADFM Pro20-HTI-Box. Includes hot tap insertion sensor with 15 m (49 ft.) cable, NEMA 4X box housing, WinADFM software, and operation manual. (Teledyne Isco 687200006).....	29,533.62	1,758.02
46 82 83 00-4527	EA		ADFM Pro20-HTI-Box. Includes hot tap insertion sensor with 30 m (98 ft.) cable, NEMA 4X box housing, WinADFM software, and operation manual. (Teledyne Isco 687200016).....	29,564.63	1,759.86
46 82 83 00-4528	EA		ADFM Pro20-Box. Replacement electronics in NEMA 4X (IP66) box housing. (Teledyne Isco 627100005).....	16,117.81	959.43
46 82 83 00-4529	EA		Hot Tap Insertion sensor with 15 m (49 ft.) cable. (Teledyne Isco 607004077).....	13,072.16	778.14
46 82 83 00-4530	EA		Hot Tap Insertion sensor with 30 m (98 ft.) cable. (Teledyne Isco 607004078).....	13,555.98	806.93
46 82 83 00-4531	EA		RS232 Communication Cable, 10 ft. (3 m). Connects ADFM Canister with Crown connector to PC with 9-pin serial port connector. (Teledyne Isco 607004027).....	133.98	7.98
46 82 83 00-4532	EA		SPA 1677. Cut to Length cable and custom length shaft Hot Tap, Specify shaft length (max 1.52 m/60 inches) and cable length (max 30 m/98 feet). (Teledyne Isco 605314677).....	14,477.74	861.80
46 82 83 00-4533	EA		H-ADFM 1200. Includes 1200 KHz 20 m (65 ft.) range Channel Master sensor with RS232 personality module and 25 m (82 ft.) cable, NEMA 4X box enclosure, accQcomm Digital Interface Module, WinHADFM software, and operation manual. (Teledyne Isco 687300232).....	26,703.81	1,589.58
46 82 83 00-4534	EA		H-ADFM 1200. Includes 1200 KHz 20 m (65 ft.) range Channel Master sensor with RS422 personality module and 25 m (82 ft.) cable, NEMA 4X box enclosure, accQcomm Digital Interface Module, WinHADFM software, and operation manual. (Teledyne Isco 687300422).....	26,052.51	1,550.81
46 82 83 00-4535	EA		H-ADFM slide mount kit. Kit includes spacers, top and bottom mounting brackets, mounting feet, and hardware. Customer must supply rails. (Teledyne Isco 607309001).....	540.89	32.20
46 82 83 00-4536	EA		accQcomm Digital Interface Module. (Teledyne Isco 687500010).....	2,569.28	152.94
46 82 83 00-4537	EA		accQcomm Digital Interface Module with one 4-20 mA output. (Teledyne Isco 687500011).....	2,746.68	163.50
46 82 83 00-4538	EA		accQcomm Digital Interface Module with two 4-20 mA outputs. (Teledyne Isco 687500012).....	2,950.14	175.61
46 82 83 00-4539	EA		accQcomm Digital Interface Module with three 4-20 mA outputs. (Teledyne Isco 687500013).....	3,147.39	187.35
46 82 83 00-4540	EA		accQcomm Digital Interface Module with four 4-20 mA outputs. (Teledyne Isco 687500014).....	3,350.85	199.47
46 82 83 00-4541	EA		SPA 1719. for mounting the accQcomm module remote from an ADFM or accQpulse. Includes RS-232 to RS-422 converter, NEMA 4X enclosure, power cable, and cut-to-length RS232 signal cable. (Teledyne Isco 605314719).....	563.23	33.53
			<i>For Each LF Of RS232 Signal Cable, Add</i>	3.74	
46 82 83 00-4542	EA		Power Supply Kit, 24 VDC, for analog output modules. Kit includes a 24 VDC, 15 watt power supply with interchangeable plugs for domestic or international use. (Teledyne Isco 607009001).....	74.43	4.43
			Note: Power supply plugs directly into a standard AC outlet (100-240 VAC, 50-60 Hz). Power supply cable terminates in a connector compatible with the jack on the analog output module circuit board. (Kit included with analog output module)		
46 82 83 00-4543	EA		Power Supply Kit, 24 VDC, for accQcomm. Kit includes a 24 VDC, 15 watt power supply with interchangeable plugs for domestic or international use. (Teledyne Isco 607504017).....	89.33	5.31
			Note: Power supply plugs directly into a standard AC outlet (100-240 VAC, 50-60 Hz). Power supply cable terminates in individual conductors prepared for wiring into the accQcomm DC +/- terminals. (Kit included with accQcomm)		
46 82 83 00-4544	EA		Power Supply Kit, 24 VDC, for accQpulse/ADFM. Kit includes a 24 VDC, 15 watt power supply with interchangeable plugs for domestic or international use. Power supply plugs directly into a standard AC outlet (100-240 VAC, 50-60 Hz). (Teledyne Isco 607504018).....	120.34	7.16
			Note: Power supply cable terminates in a connector compatible with the DC power supply connector on the accQmin, ADFM box electronics assembly, or ADFM canister electronics assembly with Amp connectors. (Not required if used with accQcomm)		
46 82 83 00-4545	EA		Power Supply Kit, 24 VDC, for non-IS ADFM canister. Kit includes a 24 VDC, 15 watt power supply with interchangeable plugs for domestic or international use. Power supply plugs directly into a standard AC outlet (100-240 VAC, 50-60 Hz). (Teledyne Isco 607104011).....	117.86	7.01
			Note: Power supply cable terminates in a connector compatible with the DC power supply connector on the non-IS ADFM canister with Crown connectors. (Not required if used with accQcomm)		
46 82 83 00-4546	EA		Power supply, 24 VDC DIN Rail Mount. This 45 watt power supply accepts universal AC input (100-240 VAC) and 24 VDC at 2 amperes maximum. Includes short circuit, overload, over voltage, and over temperature protection. (Teledyne Isco 109022019).....	130.26	7.75
46 82 83 00-4547	EA		ADFM Sensor Debris Fairing Kit, 3-inch lift. (Teledyne Isco 607004042).....	1,462.66	87.06
46 82 83 00-4548	EA		ADFM Sensor Debris Fairing Kit Spacer, 1-inch lift. (Teledyne Isco 607004043).....	415.60	24.74
46 82 83 00-4549	EA		ADFM Sensor Debris Fairing Kit Spacer, 2-inch lift. (Teledyne Isco 607004044).....	483.83	28.81
46 82 83 00-4550	EA		ADFM Sensor Debris Fairing Kit Spacer, 4-inch lift. (Teledyne Isco 607004045).....	638.90	38.03
46 82 83 00-4551	EA		Replacement Hardware Kit, ADFM fairing/spacer. Kit includes all hardware required to mount the ADFM sensor to the fairing and/or spacers and secure the fairing/spacers to the mounting rings. Kit accommodates up to 8 inches total fairing/spacer height. (Teledyne Isco 607619001).....	508.65	30.28
			Note: If greater height is required use multiple kits.		
46 82 83 00-4552	EA		Deep Water accQpulse Sensor Debris Fairing Kit, 3-inch lift (Teledyne Isco 60-7404-046).....	762.97	45.42
46 82 83 00-4553	EA		Deep Water accQpulse Sensor Debris Fairing only, 3-inch lift (Teledyne Isco 607403040).....	738.16	43.94
46 82 83 00-4554	EA		Deep Water accQpulse Sensor Debris Fairing Kit Spacer, 1-inch lift (Teledyne Isco 607004090).....	831.19	49.48
46 82 83 00-4555	EA		Deep Water accQpulse Sensor Debris Fairing Kit Spacer, 2-inch lift (Teledyne Isco 607004091).....	837.41	49.85
46 82 83 00-4556	EA		Deep Water accQpulse Sensor Debris Fairing Kit Spacer, 4-inch lift (Teledyne Isco 607004092).....	843.61	50.22
46 82 83 00-4557	EA		accQpulse shallow water flow conditioning platform for 8-inch round pipe. (Teledyne Isco 607404002).....	1,277.82	76.06
46 82 83 00-4558	EA		accQpulse shallow water flow conditioning platform for 12-inch round pipe. (Teledyne Isco 607404003).....	1,310.06	77.98
46 82 83 00-4559	EA		accQpulse shallow water flow conditioning platform for 18-inch round pipe. (Teledyne Isco 607404004).....	1,277.82	76.06
46 82 83 00-4560	EA		accQpulse shallow water flow conditioning platform for 24-inch round pipe. (Teledyne Isco 607404005).....	1,277.82	76.06
46 82 83 00-4561	EA		SPA 1763. Custom-length pressure sensor for accQpulse. (Teledyne Isco 605314763).....	2,651.78	157.85
			Note: Specify maximum pressure rating (2.5 to 30 psi), and cable length (250 ft. or 76.2 meters maximum) at time of order.		



<b>Water And Wastewater Equipment</b>	<b>46</b>
<b>Water Treatment Equipment</b>	<b>46 80</b>
<b>General Water Treatment Equipment</b>	<b>46 82</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4562 EA Secondary Pressure (depth) sensor for IS accQmin with 15 meter (49 ft) cable. Specify depth range (psi). (Teledyne Isco 607404815).....	2,917.88	173.68
46 82 83 00-4563 EA Secondary Pressure (depth) sensor for IS accQmin with 45 meter (147 ft) cable. Specify depth range (psi). (Teledyne Isco 607404845).....	2,971.23	176.87
46 82 83 00-4564 EA Secondary Depth Sensor, Custom length, for Intrinsically-safe accQpulse. (Teledyne Isco 607404899).....	3,095.29	184.25
Note: Specify cable length (max 250 ft or 76.2 meters maximum) at time of order. Specify maximum pressure rating at time of order.		
46 82 83 00-4565 EA Ultrasonic Secondary Depth System for ADFM and accQpulse. Isco 3010 ultrasonic flow meter, sensor with custom-length interface cable, and sensor mounting bracket (Teledyne Isco 685304008).....	2,735.51	162.83
Note: Specify cable length (250 ft. or 76.2 meters maximum) when ordering.		
46 82 83 00-4566 EA accQpulse Console, 115/230 VAC, without heater. Dimensions (L x W x D): 24 x 24 x 10 inches (61 x 61 x 25 cm). (Teledyne Isco 607404017).....	3,102.72	184.69
46 82 83 00-4567 EA ADFM/accQpulse Console, 115 VAC, without heater. Dimensions (L x W x D): 36 x 36 x 10 inches (91 x 91 x 25 cm). (Teledyne Isco 627800015).....	4,819.72	286.90
46 82 83 00-4568 EA ADFM/accQpulse Console, 115 VAC, with 400 watt heater. Dimensions (L x W x D): 36 x 36 x 10 inches (91 x 91 x 25 cm). (Teledyne Isco 627800415).....	5,302.30	315.63
46 82 83 00-4569 EA ADFM/accQpulse Console, 115 VAC, with 800 watt heater. Dimensions (L x W x D): 36 x 36 x 10 inches (91 x 91 x 25 cm). (Teledyne Isco 627800815).....	5,373.02	319.83
46 82 83 00-4570 EA ADFM/accQpulse Console, 230 VAC, without heater. Dimensions (L x W x D): 36 x 36 x 10 inches (91 x 91 x 25 cm). (Teledyne Isco 627800023).....	4,701.86	279.89
46 82 83 00-4571 EA ADFM/accQpulse Console, 230 VAC, with 400 watt heater. Dimensions (L x W x D): 36 x 36 x 10 inches (91 x 91 x 25 cm). (Teledyne Isco 627800423).....	5,173.28	307.95
46 82 83 00-4572 EA ADFM/accQpulse Console, 230 VAC, with 800 watt heater. Dimensions (L x W x D): 36 x 36 x 10 inches (91 x 91 x 25 cm). (Teledyne Isco 627800823).....	5,241.52	312.01
46 82 83 00-4573 EA DC power cable pigtail for accQpulse, ADFM Box, and ADFM canister with Amp connectors (Teledyne Isco 607004062).....	76.92	4.58
46 82 83 00-4574 EA DC power cable pigtail for ADFM canister with Crown connectors (Teledyne Isco 607004041).....	76.92	4.58
46 82 83 00-4575 EA ADFM/accQpulse suspension harness kit. (Teledyne Isco 607109002).....	127.78	7.61
46 82 83 00-4576 EA SPA 1788. This Interface allows for a 2150 to enable/activate a ADFM on high flow/level conditions, via a 2105. 2150 used for normal flow conditions and ADFM for high flow conditions. (Teledyne Isco 605314788).....	658.13	39.17
Note: Uses the sample enable signal off the 2105 and redirects to control relay connected to ADFM Requires other standard cabling. Housed in a NEMA 4X box this unit is suitable as an accessory for in-field units.		
46 82 83 00-4577 EA SPA 1804. This Interface allows for a 2150 to enable/activate a ADFM on high flow/level conditions, via a 2105. Interface is internal to ADFM. Internal version of SPA 1788. 2150 used for normal flow conditions and ADFM for high flow conditions.(Teledyne Isco 605314804).....	658.13	39.17
Note: Uses the sample enable signal off the 2105 and redirects to control relay connected to ADFM Requires other standard cabling. Housed in the ADFM unit this accessory must be ordered along with the ADFM or contact factory for details.		
46 82 83 00-4578 EA SPA 1936. Extension cable for ADFM sensor, cut to length. Total cable length should not exceed 150 ft. without prior factory approval. (Teledyne Isco 605314936).....	880.82	52.43
<i>For Each LF Of Extension Cable For ADFM Sensor, Add</i>		<i>8.20</i>
46 82 83 00-4579 EA Flowlink Global One year Subscription for ONE database access (Teledyne Isco 682540280).....	1,488.72	88.62
46 82 83 00-4580 EA Flowlink Global One year Subscription for TEN database access (Teledyne Isco 682540283).....	10,421.00	620.32
46 82 83 00-4581 EA Flowlink Global One year Subscription for TWENTY FIVE database access (Teledyne Isco 682540286).....	18,608.93	1,107.71
46 82 83 00-4582 EA Flowlink Global One year Renewal Subscription for ONE database access. Please provide serial number of initial Flowlink Global subscription when ordering. (Teledyne Isco 682540281).....	1,265.41	75.32
46 82 83 00-4583 EA Flowlink Global One year Renewal Subscription for TEN database access. Please provide serial number of initial Flowlink Global subscription when ordering. (Teledyne Isco 682540284).....	8,857.86	527.27
46 82 83 00-4584 EA Flowlink Global One year Renewal Subscription for TWENTY FIVE database access. Please provide serial number of initial Flowlink Global subscription when ordering. (Teledyne Isco 682540287).....	15,817.60	941.55
46 82 83 00-4585 EA Sampler/flow meter cable, 10 ft., connects to sampler or flow meter. (Teledyne Isco 602544025).....	147.64	8.79
46 82 83 00-4586 EA Computer cable, 3 ft. Connects to computer, for computer with 9-pin connector. (Teledyne Isco 602544026).....	109.18	6.50
46 82 83 00-4587 EA Interrogator/Solar Panel extension cable, 25 ft. Connects between Sampler/flow meter cable (60-2544-025) and computer cable (60-2544-026 or 60-2544-027) to increase the distance between the sampler or flow meter and computer. Multiple extensions, up to four, may be used. (Teledyne Isco 602544028).....	116.62	6.94
46 82 83 00-4588 EA RTD extension cable. 25 ft., connects to flow meter or sampler and allows 581 RTD to retrieve data from an instrument located in a manhole or similar inaccessible location in which you cannot connect the RTD directly to the instrument. Multiple extension cables may be connected together. (Teledyne Isco 603774012).....	142.66	8.49
46 82 83 00-4589 EA 581 RTD instruction manual. (Teledyne Isco 609003085).....	32.79	
46 82 83 00-4590 EA 6712Ci modem module with 60-2004-550 dual band magnetic mount antenna. (Teledyne Isco 686710148).....	2,797.54	166.53
46 82 83 00-4591 EA Sensor carrier for attaching DO and temperature probes to Isco Mounting Rings. (Teledyne Isco 603204006).....	65.74	3.91
46 82 83 00-4592 EA Sensor carrier for attaching temperature probe only to Isco Mounting Rings. (Teledyne Isco 603204010).....	58.31	3.47
46 82 83 00-4593 EA ADFM/accQpulse Sensor and Fairing Mounting Plate. Mounts sensor to channel bottom with or without a fairing and spacers (ordered separately). 11" x 17" (Teledyne Isco 607613003).....	146.39	8.71
46 82 83 00-4594 EA Partial Ring for 54 inch and larger pipes. Includes base section, one pair of 20 inch extensions, one pair of 30 inch extensions, and one pair of 40 inch extensions. (Teledyne Isco 683000063).....	704.66	41.94
46 82 83 00-4595 EA Scissors Ring scissors mechanism only. (Teledyne Isco 603004170).....	346.13	20.61
46 82 83 00-4596 EA Street Level Installation Tool Multi-section pole. Includes one 2-1/2 ft. pole section with adapter for attaching mounting ring, six 2-1/2 ft. pole sections, and instruction manual. (Teledyne Isco 603204012).....	868.41	51.70
46 82 83 00-4597 EA Street Level Installation Tool Mounting Ring for 6 inch diameter pipe. Includes strap. (Teledyne Isco 603204014).....	302.71	18.02
46 82 83 00-4598 EA Street Level Installation Tool Mounting Ring for 8 inch diameter pipe. Includes strap. (Teledyne Isco 603204015).....	302.71	18.02
46 82 83 00-4599 EA Street Level Installation Tool Mounting Ring for 10 inch diameter pipe. Includes strap. (Teledyne Isco 603204016).....	302.71	18.02
46 82 83 00-4600 EA Street Level Installation Tool Mounting Ring for 12 inch diameter pipe. Includes strap. (Teledyne Isco 603204017).....	302.71	18.02
46 82 83 00-4601 EA Street Level Installation Tool Mounting Ring for 15 inch diameter pipe. Includes strap. (Teledyne Isco 603204018).....	302.71	18.02
46 82 83 00-4602 EA SPA 1307. 4-inch Street Level Mounting Ring for use with low profile sensors. Ring only, does not include poles. (Teledyne Isco 605314307).....	364.73	21.71
46 82 83 00-4603 EA SPA 1989. 5-inch Street Level Mounting Ring. Similar to our street level mounting rings, but for 5 inch pipes. Ring only, does not include poles. (Teledyne Isco 605314989).....	384.58	22.89
46 82 83 00-4604 EA SPA 1831. 7-inch Street Level Mounting Ring for use with low profile sensors. Ring only, does not include poles. (Teledyne Isco 605314831).....	364.73	21.71
46 82 83 00-4605 EA SPA 1305. 9-inch Street Level Mounting Ring. Similar to our street level mounting rings, but for 9 inch pipes. Ring only, does not include poles. (Teledyne Isco 605314305).....	364.73	21.71
46 82 83 00-4606 EA SPA 2035. 14-inch Street Level Mounting Ring. Similar to our street level mounting rings, but for 14 inch pipes. Ring only, does not include poles. (Teledyne Isco 605324035).....	554.55	33.00

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4607 EA SPA 1767. 18-inch Street Level Mounting Ring. Similar to our street level mounting rings, but for 18 inch pipes. Ring only, does not include poles. (Teledyne Isco 605314767).....	545.87	32.49
46 82 83 00-4608 EA SPA 928. 674 Rain Gauge Extension Cable, cut to length. Connects to existing 50 ft. cable on 674 Rain Gauges. Total length should not exceed 1,000 ft. Specify length when ordering. (Teledyne Isco 605304928) .....	130.26	7.75
Note: When ordering a new rain gauge, the standard 50 ft. cable can be increased without the use of this extension cable. Use 60-5304-781.		
For Each LF Of Extension Cable, Add	2.30	
46 82 83 00-4609 EA SPA 729 Rain Gauge Actuator for Model 5800/4700 refrigerated sampler or 3700 series, for direct connection to Model 674 Rain Gauge (not included) and sampler's flow meter port, enables the sampler to run a timed program after a rain event totaling 0.1 inches occurs (10 bucket tips) within a 90 minute period. (Teledyne Isco 605304729) .....	571.92	34.05
Note: This total of rainfall before sampler enable can be set by the customer from 0.01 to 0.99 inches through the use of 2 internally located switches. SPA 729 contains circuitry to automatically reset the internal counter every 90 minutes during events that total less than 0.1 inch. For connection to 5800/4700 sampler also order adaptor 60-5314-697 (5800/4700 to 6712 style 'flow meter' port) or adaptor 60-5314-704 (5800/4700 to 6712 style 'flow meter' port and duplicate of 16 pin 4700/5800 connector. No external disable/enable of sampler, contact factory for external flow pacing details.		
46 82 83 00-4610 EA SPA 739 Rain Gauge Actuator With Total Rainfall Display for Model 5800/4700 refrigerated sampler or 3700 series, for direct connection to Model 674 Rain Gauge (not included) and sampler's flow meter port, enables the sampler to run a timed program after a rain event totaling 0.1 inches occurs (10 bucket tips) within a 90 minute period. (Teledyne Isco 605304739) .....	643.88	38.33
Note: This total of rainfall before sampler enable occurs can be set by the customer from 0.01 to 0.99 inches through the use of 2 internally located switches. SPA 739 contains circuitry to automatically reset the internal counter every 90 minutes during events that total less than 0.1 inch. A resettable digital totalizer mounted in the front panel displays the total amount of bucket tips. For connection to 5800/4700 sampler also order adaptor 60-5314-697 (5800/4700 to 6712 style 'flow meter' port) or adaptor 60-5314-704 (provides 6712 style 'flow meter' port and duplicate of 16 pin 4700/5800 connector. No external disable/enable of sampler, contact factory for external flow pacing details.		
46 82 83 00-4611 EA SPA 822. Extra set of contacts for Model 674 Rain Gauge. Necessary if connecting to additional non-Isco device. Also required is 50 ft. rain gauge connect cable 60-3004-149 or cut to length version 60-5304-781. (Teledyne Isco 605304822).....	334.96	19.94
46 82 83 00-4612 EA Rain Logging System, 0.01 inch. Includes 674 tipping bucket rain gauge, 4120 Flow Logger to record rain events, and 50 ft. of connect cable. (Teledyne Isco 683280002) .....	2,040.78	121.47
46 82 83 00-4613 EA Rain Logging System, 0.1 mm. Includes 674 tipping bucket rain gauge, 4120 Flow Logger to record rain events, and 15.25 m of connect cable. (Teledyne Isco 683280003) .....	2,321.15	138.17
46 82 83 00-4614 EA SPA 781. Modification to 674 Rain Gauge for Custom Cable Length. Modifies the 674 rain gauge to have a custom length cable for connection to the 4100/4200 flow meter or 6712 sampler. (Teledyne Isco 605304781).....	40.94	2.43
Note: May be ordered in tandem with the 674 rain gauge or easily installed on an existing 674 rain gauge. May also be employed with the 676 Rain Logging System. Maximum length of 1,000 ft. For the 677 Rain Logging System use custom length cable part number 60-5314-752.		
For Each LF Of Extension Cable, Add	2.30	
46 82 83 00-4615 EA SPA 865. Stainless Steel Wall Mounting Bracket for 676 rainfall logger. Allows logger to be mounted to panel or wall. (Teledyne Isco 605304865).....	245.64	14.62
46 82 83 00-4616 EA 677 Rain logging system, 0.01 inch. Includes 674 tipping bucket rain gauge, 2105 Network Interface module, 2191 Battery Module, carrying handle, maintenance kits, and 2105 to 674 rain gauge connect cable. (Teledyne Isco 682000051).....	3,895.48	231.88
46 82 83 00-4617 EA 677ci Rain Logging System 0.01 inch/tip. Consists of 2105ci interface module, 674 rain gauge with 2105 connector and 2191 battery module. (Teledyne Isco 682000100).....	5,235.32	311.64
46 82 83 00-4618 EA 677ci Rain Logging System 0.1 mm/tip. Consists of 2105ci interface module, 674 rain gauge with 2105 connector and 2191 battery module. (Teledyne Isco 682000101).....	5,235.32	311.64
46 82 83 00-4619 EA 677 Rain logging system, 0.1 mm. Includes 674 tipping bucket rain gauge, 2105 Network Interface module, 2191 Battery Module, carrying handle, maintenance kits, and 2105 to 674 rain gauge connect cable. (Teledyne Isco 682000054) .....	3,895.48	231.88
46 82 83 00-4620 EA 677g Rain logging system, 0.1 mm, with GSM/GPRS cellular modem communication. Includes 674 tipping bucket rain gauge, 2105g GSM/GPRS Network Interface module, 2191 Battery Module, carrying handle, magnet mount antenna, maintenance kits, and 2105 to 674 rain gauge connect cable. (Teledyne Isco 682000056).....	5,235.32	311.64
46 82 83 00-4621 EA SPA 1752 Custom Length Cable for connection between 2105 and 674 rain gauge. May be easily installed on an existing 674 rain gauge. (Teledyne Isco 605314752) .....	229.52	13.66
Note: Maximum length of 1,000 ft.		
For Each LF Of Extension Cable, Add	2.30	
46 82 83 00-4622 EA Model 934 Nickel-Cadmium Battery. Rechargeable, 12 VDC, 4 amp-hours. For use with Isco GLS, 3700, 6100, and 6700 Series Portable Samplers; 4200 Series Flow Meters; and 150 Portable Peristaltic Pump. (Teledyne Isco 601684040).....	326.27	19.43
Note: Recharge using Model 961 or 965 battery charger.		
46 82 83 00-4623 EA Model 961 Battery Charger. Powered by 120 VAC, 60 Hz. For charging Isco 934 Nickel-Cadmium Batteries one at a time. (Teledyne Isco 603004059) .....	146.39	8.71
46 82 83 00-4624 EA Model 965 Five-Station Battery Charger with European 240 VAC power cord. Powered by 120 or 240 VAC, 50/60 Hz (user-switched). CE Approved. (Teledyne Isco 683000966) .....	860.97	51.24
Note: Charges five Isco 934 Nickel-Cadmium Batteries, or five Isco 946 or 947 Lead-Acid Batteries, simultaneously.		
46 82 83 00-4625 EA Connect cable, solar panel to sampler or flow meter, 25 ft. For connecting solar panel, battery, and sampler or flow meter. For use with Isco GLS, 3700, 6100, and 6700 Series Portable Samplers; 4200 Series Flow Meters; and 150 Portable Peristaltic Pump. (Teledyne Isco 603004097) .....	204.70	12.18
Note: This is for 10 watt solar panels only, panel not included.		
46 82 83 00-4626 EA Solar panel connect cable, 25 ft. For use with Isco 4100 Series Flow Loggers only. For connecting solar panel, battery, and Flow Logger. (Teledyne Isco 603114010).....	194.77	11.59
Note: Compatible with 10 watt solar panels only, panel not included.		
46 82 83 00-4627 EA Solar panel 'Y' cable, 6 ft. For connecting solar panels in parallel. Compatible with 10 watt solar panels only, panel not included. (Teledyne Isco 603004098).....	161.28	9.60
46 82 83 00-4628 EA Connect cable for external 12 VDC source. Six ft. cable for powering Isco flow loggers from an external 12 VDC source, such as an automotive or deep-cycle marine battery. Terminates in heavy-duty battery clips. (Teledyne Isco 603114016).....	107.93	6.43
Note: For use with 4100 Series Flow Loggers Only.		
46 82 83 00-4629 EA Flow Logger external power connect cable. Connects Flow Logger to external Isco power source with two-pin Amphenol connector, such as an Isco Power Pack. (Teledyne Isco 603114002) .....	107.93	6.43



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4630 EA SPA 1478. Solar Panel Lead-acid Battery Charger. 10 watt. Directly charges Isco 946 and 948 12 VDC batteries. 947 battery requires 603114015. Do NOT charge NiCad Batteries with this charger. Includes pole mount bracket and 25 ft. connect cable. (Teledyne Isco 605314478).....	937.88	55.82
Note: Not recommended for non-Isco batteries. Use SPA 1629 or SPA 1347 for higher output solar panels recommended for use with non-Isco batteries.		
46 82 83 00-4631 EA SPA 1834. Current Solar Panel Regulator for all 10 watt and 40 watt solar panels. Model SK-6 voltage regulator. Not encased, for installation into existing junction box on solar panels. (Teledyne Isco 605314834).....	120.34	7.16
Note: This item is normally purchased for spare, replacement, or troubleshooting. May require alteration to junction box of solar panel.		
46 82 83 00-4632 EA Solar panel instruction manual. (Teledyne Isco 603003269).....	19.67	
46 82 83 00-4633 EA SPA 1061. Isco to Sigma flow meter to sampler connect cable, built to length. Allows for flow pacing and event marks. To enable/disable a Sigma sampler from an Isco flow meter see SPA 788. Maximum length is 1,000 ft. (Teledyne Isco 605314061).....	119.10	7.09
Note: Power supplies for the sampler and the flow meter must be separate. For use with 5800/4700 also order adapter 60-5314-697 or 60-5314-704.		
<i>For Each LF Of Extension Cable, Add</i>		
46 82 83 00-4634 EA SPA 1520. Modification to a 6712 full-size portable sampler's center section to replace the stainless steel bulkhead fitting with a PEEK fitting. Provides the connection between the pump tube and the discharge tube. This PEEK bulkhead fitting is often used when sampling trace metals. (Teledyne Isco 605314520).....	251.84	14.99
Note: This item may be installed as a field kit. Use also PTFE-coated strainer 60-5304-820 and PEEK tubing coupler 60-5304-983.		
46 82 83 00-4635 EA SPA 1556. SDI-12 Cable Assembly for 6712 sampler, terminates in pigtails. Connects to the 6712's I/O, Rain Gauge port. Built to customer desired length. (Teledyne Isco 605314556).....	136.47	8.13
<i>For Each LF Of Extension Cable, Add</i>		
46 82 83 00-4636 EA SPA 1411. Heavy-duty modem connect cable, cut-to-length. Connects to 5-pin internal modem connector, other end is unterminated. Cable jacket is suitable for burying or routing through manholes. Specify length when ordering. (Teledyne Isco 605314411).....	155.07	9.23
<i>For Each LF Of Heavy-duty Modem Connect Cable, Add</i>		
46 82 83 00-4637 EA SPA 1607. Suspension hardware. Used to hang the 2110 Ultrasonic sensor by its cable over the measuring point. Hardware keeps the sensor level. (Teledyne Isco 605314607).....	470.19	27.98
Note: Not for use in areas subject to wind.		
46 82 83 00-4638 EA SPA 588. Enclosure Heater. Provides a 30 watt, thermostatically controlled heater for the Signature (not portable) flow meters. Powered by its own AC line cord, this option will extend the useful function of the flow meter display. (Teledyne Isco 605304588).....	651.31	38.77
46 82 83 00-4639 LF SPA 121. Three conductor cable, 18 gauge, cut to length. (Teledyne Isco 605304121).....	1.89	0.11
46 82 83 00-4640 LF SPA 260. Two conductor cable, 18 gauge, cut to length. (Teledyne Isco 605304260).....	2.70	0.16
46 82 83 00-4641 EA SPA 1016. Area Velocity Simulator. This simulator used with 4150, 4250, and 750 modules to create a fixed, artificial velocity and level reading. (Teledyne Isco 605314016).....	528.51	31.46
Note: Used for field/lab testing and troubleshooting.		
46 82 83 00-4642 EA SPA 1071. Extension Cable for 581 Rapid Transfer Device (RTD), built to length. This cable would be used when access to the Isco 6712/Avalanche sampler is limited, yet RTD interrogation is desired. (Teledyne Isco 605314071).....	96.77	5.77
Note: A maximum of 200 ft. of cable can be routed to a point convenient for connection to the RTD. Not for use with 5800/4700 or sampler or flow meter with internal modem.		
<i>For Each LF Of Extension Cable, Add</i>		
46 82 83 00-4643 EA SPA 1125. 6700 Series Sampler YSI 600 Sonde Adapter cable, built to length. This cable is the same as 60-0604-001, but in a cut to length version, with a maximum length of 200 ft. Connects to YSI field cable, and to YSI units with integral connect cable. Please specify length when ordering. (Teledyne Isco 605314125).....	126.55	7.53
Note: For 6712 sampler use SPA 1400 for non 600 Sonde adapter cable.		
<i>For Each LF Of Extension Cable, Add</i>		
46 82 83 00-4644 EA SPA 1308. Single bottle, 10-liter size, poly with lids. This is the bottle used with SPA 1012. To achieve set of four bottles order (4x) 60-5314-308. (Teledyne Isco 605314308).....	33.50	1.99
46 82 83 00-4645 EA SPA 1730. Custom-length pressure sensor for ADFM. Specify maximum pressure rating (2.5 to 30 psi), and cable length (250 ft. or 76.2 meters maximum) at time of order. (Teledyne Isco 605314730).....	2,651.78	157.85
46 82 83 00-4646 EA SPA 1762. Custom-length pressure sensor for Intrinsically-safe ADFM. Specify maximum pressure rating (2.5 to 30 psi), and cable length (250 ft. or 76.2 meters maximum) at time of order. (Teledyne Isco 605314762).....	2,651.78	157.85
46 82 83 00-4647 LF SPA 720. PTFE Bubble Line, 1/16-inch ID, per ft. Comes with two silicon end tubes. Maximum available length is 200 ft. (Teledyne Isco 605304720).....	3.84	0.23
46 82 83 00-4648 EA SPA 840. 720 Module Interface to allow 4-20 mA input. This interface replaces the level sensor and allows an isolated 4-20 mA signal representing level or flow to be recorded by the 720. The 720 is programmed with a linear equation to allow proper reading of the 4-20 mA input. (Teledyne Isco 605304840).....	1,146.31	68.24
46 82 83 00-4649 EA SPA 1356. External Modem, CE approved, DC powered, for use with Isco instruments. Compliant with phones systems around the world. Cable to connect to interrogator port is included. Not intended for use with 2100 systems. Modem software included. Modem would require recasing at additional charge if to be used in wet environment. (Teledyne Isco 605314356).....	1,460.18	86.92
46 82 83 00-4650 EA SPA 1508. Sample Initiation Alarm with Auto Reset. Serves to provide an alarm at a predetermined total flow for customers with daily discharge limits. Counts sample initiation signals and triggers a FORM C relay when total is reached. Auto resets at customer determined interval. (Teledyne Isco 605314508).....	2,373.26	141.27
46 82 83 00-4651 EA SPA 1563. GSM Cell Phone Modem Package. This cell phone modem accepts SIM cards purchased by the customer from their preferred provider. Connects to 4100/4200 flow meters & 6712 samplers. Text message output capable for 6712 samplers. Primarily for use in overseas and select U.S. markets. (Teledyne Isco 605314563).....	3,022.09	179.89
46 82 83 00-4652 EA Dura Tracker + Battery box + battery holders + carrying handle with suspension strap + instruction manual+ coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 684800001).....	4,093.97	243.69
Note: Requires Flowlink software and computer connect cable (sold separately).		
46 82 83 00-4653 EA Dura Tracker without Battery Box + instruction manual+ coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 684800002).....	3,101.49	184.62
Note: Requires Flowlink software and computer connect cable (sold separately).		
46 82 83 00-4654 EA Dura Tracker + CDMA Modem+ Battery box + battery holders + carrying handle with suspension strap + instruction manual+ coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 684800011).....	5,272.52	313.85
Note: Requires Flowlink software and computer connect cable (sold separately).		
46 82 83 00-4655 EA Dura Tracker without Battery Box + CDMA Modem + instruction manual+ coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 684800012).....	4,280.05	254.78
Note: Requires Flowlink software and computer connect cable (sold separately).		

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4656 EA Dura Tracker + GSM/GPRS Modem+ Battery box + battery holders + carrying handle with suspension strap + instruction manual+ coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 684800021) .....	5,272.52	313.85
Note: Requires Flowlink software and computer connect cable (sold separately).		
46 82 83 00-4657 EA Dura Tracker without Battery Box + GSM/GPRS Modem + instruction manual+ coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 684800022) .....	4,280.05	254.78
Note: Requires Flowlink software and computer connect cable (sold separately).		
46 82 83 00-4658 EA TIENet 350 + 10 m cable with TIENet plug (Teledyne Isco 604854004) .....	2,295.10	136.62
46 82 83 00-4659 EA TIENet 350 + 23 m cable with TIENet plug (Teledyne Isco 604854005) .....	2,400.54	142.90
46 82 83 00-4660 EA TIENet 350 + CTL m cable with TIENet plug (Teledyne Isco 604854006).....	2,295.10	136.62
For Each LF Of Extension Cable, Add	2.30	
46 82 83 00-4661 EA TIENet 305 + 5 m cable with TIENet plug (Teledyne Isco 604804018) .....	1,550.74	92.32
46 82 83 00-4662 EA In-pipe mounting for TIENet 310 Ultrasonic using Isco mounting ring. (Teledyne Isco ).....	459.02	27.33
Note: This kit provides mounting hardware required to attach the sensor to an Isco mounting ring (not included).		
46 82 83 00-4663 EA Alkaline Lantern Battery. Non-rechargeable, 6 VDC. (Teledyne Isco 340-2006-02).....	34.74	2.07
Note: For use with Isco DuraTracker, 2191 Battery Module (2 required) or 4100 Series Flow Loggers (2 required).		
46 82 83 00-4664 EA Dura TrackerEx + Battery box + battery holders + carrying handle with suspension strap + instruction manual+ coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 684800101).....	4,466.14	265.86
Note: With battery box. Requires Flowlink software and computer connect cable (sold separately).		
46 82 83 00-4665 EA Dura TrackerEx without Battery Box + instruction manual+ coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 684800102).....	3,473.68	206.78
Note: Without battery box; With Mounting plate. Requires Flowlink software and computer connect cable (sold separately).		
46 82 83 00-4666 EA Dura TrackerEx + CDMA Modem+ Battery box + battery holders + carrying handle with suspension strap + instruction manual+ coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 684800111) .....	5,706.74	339.70
Note: With battery box. Requires Flowlink software and computer connect cable (sold separately).		
46 82 83 00-4667 EA Dura TrackerEx without Battery Box + CDMA Modem + instruction manual+ coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 684800112) .....	4,714.26	280.62
Note: Without battery box; With Mounting plate. Requires Flowlink software and computer connect cable (sold separately).		
46 82 83 00-4668 EA Dura TrackerEx + GSM/GPRS Modem+ Battery box + battery holders + carrying handle with suspension strap + instruction manual+ coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 684800121) .....	5,706.74	339.70
Note: With battery box. Requires Flowlink software and computer connect cable (sold separately).		
46 82 83 00-4669 EA Dura TrackerEx without Battery Box + GSM/GPRS Modem + instruction manual+ coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 684800122) .....	4,714.26	280.62
Note: Without battery box; With Mounting plate. Requires Flowlink software and computer connect cable (sold separately).		
<b>46 82 83 00-4670 Data Acquisition Unit</b> <small>(46 82 83 00-0001)</small>		
<b>46 82 83 00-4671 Eurotherm Data Acquisition Units</b> <small>(46 82 83 00-4670)</small>		
Note: Price is for base unit See CSI section 46 82 83 00-4686 for all applicable add-on features.		
46 82 83 00-4672 EA Data Acquisition Unit 6 Channels Eurotherm Data Acquisition 5000B.....	2,666.62	
46 82 83 00-4673 EA Data Acquisition Unit 12 Channels Eurotherm Data Acquisition 5000B.....	3,160.18	
46 82 83 00-4674 EA 100mm Data Acquisition Unit Accessories 0 Channels Eurotherm Data Acquisition 5100V.....	3,076.76	
46 82 83 00-4675 EA 100mm Data Acquisition Unit Accessories 6 Channels Eurotherm Data Acquisition 5100V.....	3,702.39	
46 82 83 00-4676 EA 100mm Data Acquisition Unit Accessories 12 Channels Eurotherm Data Acquisition 5100V.....	4,328.03	
46 82 83 00-4677 EA 180mm Data Acquisition Unit Accessories 0 Channels Eurotherm Data Acquisition 5180V.....	4,467.06	
46 82 83 00-4678 EA 180mm Data Acquisition Unit Accessories 6 Channels Eurotherm Data Acquisition 5180V.....	5,023.18	
46 82 83 00-4679 EA 180mm Data Acquisition Unit Accessories 12 Channels Eurotherm Data Acquisition 5180V.....	5,579.30	
46 82 83 00-4680 EA 180mm Data Acquisition Unit Accessories 18 Channels Eurotherm Data Acquisition 5180V.....	6,135.42	
46 82 83 00-4681 EA 180mm Data Acquisition Unit Accessories 24 Channels Eurotherm Data Acquisition 5180V.....	6,691.54	
46 82 83 00-4682 EA 180mm Data Acquisition Unit Accessories 30 Channels Eurotherm Data Acquisition 5180V.....	7,541.71	
46 82 83 00-4683 EA 180mm Data Acquisition Unit Accessories 36 Channels Eurotherm Data Acquisition 5180V.....	8,097.83	
46 82 83 00-4684 EA 180mm Data Acquisition Unit Accessories 42 Channels Eurotherm Data Acquisition 5180V.....	8,653.95	
46 82 83 00-4685 EA 180mm Data Acquisition Unit Accessories 48 Channels Eurotherm Data Acquisition 5180V.....	9,210.07	
<b>46 82 83 00-4686 Eurotherm Data Acquisition Unit Add-ons</b> <small>(46 82 83 00-4670)</small>		
Note: Prices as add-ons to base unit See CSI section 46 82 83 00-4671 for base unit.		
46 82 83 00-4687 EA 16Mb Flash Card, For Eurotherm Data Acquisition Unit .....	104.27	
46 82 83 00-4688 EA 32Mb Flash Card, For Eurotherm Data Acquisition Unit .....	125.13	
46 82 83 00-4689 EA 64Mb Flash Card, For Eurotherm Data Acquisition Unit .....	159.88	
46 82 83 00-4690 EA 256Mb Flash Card, For Eurotherm Data Acquisition Unit .....	458.80	
46 82 83 00-4691 EA 512Mb Flash Card, For Eurotherm Data Acquisition Unit .....	764.66	
46 82 83 00-4692 EA 1Gb Flash Card, For Eurotherm Data Acquisition Unit .....	1,529.33	
46 82 83 00-4693 EA 3 Form C Relay Option Card (1Pcb), For Eurotherm Data Acquisition Unit.....	291.96	
46 82 83 00-4694 EA RS232 or RS484 Serial Comms Option Card, For Eurotherm Data Acquisition Unit.....	236.35	
46 82 83 00-4695 EA 6 Event Inputs (1 Card), For Eurotherm Data Acquisition Unit.....	250.25	
46 82 83 00-4696 EA Shuns, For Eurotherm Data Acquisition Unit .....	15.29	
46 82 83 00-4697 EA Attenuator, For Eurotherm Data Acquisition Unit .....	29.20	
46 82 83 00-4698 EA External Power Supply, For Eurotherm Data Acquisition Unit .....	291.96	
46 82 83 00-4699 EA 12 Channel Math (each per 12), For Eurotherm Data Acquisition Unit .....	208.54	
46 82 83 00-4700 EA Batch, For Eurotherm Data Acquisition Unit .....	312.82	
46 82 83 00-4701 EA Screen Builder, For Eurotherm Data Acquisition Unit .....	173.79	
46 82 83 00-4702 EA Advance Screen Builder, For Eurotherm Data Acquisition Unit .....	382.33	
46 82 83 00-4703 EA Timers, For Eurotherm Data Acquisition Unit.....	208.54	
46 82 83 00-4704 EA Viewing Bridge, For Eurotherm Data Acquisition Unit.....	271.11	
46 82 83 00-4705 EA Full Configuration Bridge, For Eurotherm Data Acquisition Unit .....	410.14	
46 82 83 00-4706 EA Auditor Features, For Eurotherm Data Acquisition Unit .....	834.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4707 EA Circular Trend, Display, For Eurotherm Data Acquisition Unit .....	69.52	
46 82 83 00-4708 EA Log Scales, For Eurotherm Data Acquisition Unit .....	173.79	
46 82 83 00-4709 EA Modbus Master, For Eurotherm Data Acquisition Unit .....	278.06	
46 82 83 00-4710 EA Review Full, For Eurotherm Data Acquisition Unit .....	410.14	
46 82 83 00-4711 EA Security Manager, For Eurotherm Data Acquisition Unit .....	208.54	
46 82 83 00-4712 EA Email, For Eurotherm Data Acquisition Unit .....	139.03	
46 82 83 00-4713 EA CSV Output, For Eurotherm Data Acquisition Unit .....	208.54	
46 82 83 00-4714 EA Portable Handle, For Eurotherm Data Acquisition Unit .....	208.54	
<b>46 82 83 00-4715 Elpro Systems Wireless <small>(46 82 83 00-4670)</small></b>		
46 82 83 00-4716 EA Telemetry Device With I/O, Elpro Systems 905U-1 .....	2,351.70	
46 82 83 00-4717 EA Telemetry Device With I/O, Elpro Systems 905U-2 .....	2,435.12	
46 82 83 00-4718 EA Telemetry Device With I/O, Elpro Systems 905U-3 .....	2,435.12	
46 82 83 00-4719 EA Telemetry Device With I/O, Elpro Systems 905U-4 .....	2,351.70	
46 82 83 00-4720 EA Telemetry Device Transmit Only, Elpro Systems 905U-K .....	1,628.75	
46 82 83 00-4721 EA Telemetry Device With I/O, Elpro Systems 905U-C .....	2,421.22	
46 82 83 00-4722 EA Telemetry Device, Elpro Systems 905U-G-MD1 .....	3,007.24	
46 82 83 00-4723 EA Telemetry Device, Elpro Systems 905U-G-PR1 .....	3,368.72	
46 82 83 00-4724 EA Telemetry Device, Elpro Systems 905U-G-ET1 .....	3,605.07	
46 82 83 00-4725 EA Serial Slave Device, Elpro Systems 105S-1 .....	1,614.84	
46 82 83 00-4726 EA Serial Slave Device, Elpro Systems 105S-2 .....	2,006.23	
46 82 83 00-4727 EA Serial Slave Device, Elpro Systems 105S-3 .....	2,006.23	
46 82 83 00-4728 EA Serial Slave Device, Elpro Systems 105S-4 .....	1,908.90	
46 82 83 00-4729 EA Modbus To Modbus, Elpro Systems 905U-D .....	2,173.06	
46 82 83 00-4730 EA 5 dB Collinear Antennae, Elpro Systems .....	341.67	
46 82 83 00-4731 EA 8 dB Collinear Antennae, Elpro Systems .....	466.80	
46 82 83 00-4732 EA 10dB Yagi Antennae, Elpro Systems .....	452.90	
46 82 83 00-4733 EA 15dB Yagi Antennae, Elpro Systems .....	675.34	
46 82 83 00-4734 EA -2dB Dipole Whip Antennae, Elpro Systems .....	341.67	
46 82 83 00-4735 EA Collinear Antennae Mounting Kit, Elpro Systems .....	174.84	
46 82 83 00-4736 EA Yagi Antennae Mounting Kit, Elpro Systems .....	202.64	
46 82 83 00-4737 EA 110 Volt AC To 20 Volt DC, Power Pack, Elpro Systems .....	188.74	
46 82 83 00-4738 EA Surge For Antennae, Elpro Systems .....	312.48	
46 82 83 00-4739 EA Surge For Power, Elpro Systems .....	284.67	
<b>46 82 83 00-4740 Additional Controls And Accessories <small>(46 82 83 00-0001)</small></b>		
<b>46 82 83 00-4741 Hach Controllers <small>(46 82 83 00-4740)</small></b>		
46 82 83 00-4742 EA Hach SC 100 Controller (2) Sensors, Modbus Output, P/N LXV401.52.02002 .....	2,309.38	73.51
46 82 83 00-4743 EA Hach SC 1000 Probe Module - 4 Sensors, 4ma Output, 4ma/DigitlN, 4 Relays, RS-485 Modbus 100-240 V With US Power Cord, P/N LXV400.99.1B572 .....	2,922.88	73.51
46 82 83 00-4744 EA Hach SC 1000 Probe Module - 6 Sensors, 4ma Output, 4ma/DigitlN, 4 Relays, RS-485 Modbus 100-240 V With US Power Cord, P/N LXV400.99.5B532 .....	3,039.80	73.51
46 82 83 00-4745 EA Hach SC 1000 Display Module, P/N LXV402.99.00002 .....	3,248.68	73.51
Note: Required for either the 4 or 6 channel Probe module.		
<b>46 82 83 00-4746 Hach LDO Sensor And Accessories <small>(46 82 83 00-4740)</small></b>		
Note: Requires SC100 or SC1000 controller		
46 82 83 00-4747 EA Hach LDO Process Dissolved Oxygen Probe, P/N 5790000 .....	2,133.34	73.51
46 82 83 00-4748 EA Hach Pole Mount Kit, P/N LXV 57944-00 .....	534.65	18.38
46 82 83 00-4749 EA Digital Termination Box (Hach 5867000) .....	222.33	18.38
<b>46 82 83 00-4750 Hach pH/ORP Sensors And Accessories <small>(46 82 83 00-4740)</small></b>		
Note: Requires SC100 or SC1000 controller		
46 82 83 00-4751 EA Hach pH Digital Sensor - Wide Range, PEEK, Convertible Style, P/N DPD1P1 .....	1,179.58	36.76
46 82 83 00-4752 EA Hach ORP Digital Sensor, PEEK, Convertible Style, P/N DRD1P5 .....	1,253.38	36.76
46 82 83 00-4753 EA Hach 1" Handrail Mounting Kit For pH/ORP, P/N MH236B00Z .....	549.07	36.76
<b>46 82 83 00-4754 Hach Suspended Solids Sensors <small>(46 82 83 00-4740)</small></b>		
Note: Requires SC100 or SC1000 controller		
46 82 83 00-4755 EA Hach Solitax Sensor - Turbidity And Suspended Solids, TS-Line SC, Polyvinyl Chloride (PVC) With Wiper (0.001 To 4000 NTU, 0.001 mg/L to 50g/L), P/N LXV423.99.10100 .....	4,932.95	73.51
46 82 83 00-4756 EA Sensor Adapter, P/N AHA033NPT .....	174.54	18.38
<b>46 82 83 00-4757 Hach Sludge Level Monitor Sensor <small>(46 82 83 00-4740)</small></b>		
Note: Requires SC100 or SC1000 controller		
46 82 83 00-4758 EA Hach Sonatex SC Sludge Level Probe With Pivot Mount, P/N 5773000 .....	3,669.78	73.51
<b>46 82 83 00-4759 Hach CL-17 Chlorine Monitor <small>(46 82 83 00-4740)</small></b>		
46 82 83 00-4760 EA Hach CL17 Total Residual Chlorine Analyzer, P/N 5440002 .....	3,828.99	73.51
46 82 83 00-4761 EA Hach Total Chlorine Reagents, P/N 2557000 .....	78.48	
<b>46 82 83 00-4762 Sigma Open Channel Flow Meter <small>(46 82 83 00-4740)</small></b>		



**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4763 EA Hach Sigma 980 Permanent Flow Meter, P/N 9700400 .....	2,268.66	73.51
<b>46 82 83 00-4764 Marsh McBirney Open Channel Flow Meter</b> (46 82 83 00-4740)		
46 82 83 00-4765 EA Marsh McBirney Model 4000-600 Standard Sensor Cable Length of 30' Of Sensor Cable (Non I.S.).....	6,391.58	73.51
46 82 83 00-4766 EA Marsh McBirney Model 1204-20 Flo-Station With Display Includes (4) 4-20mA Outputs And Require Flo-Ware Software With Communication Cable, 120/240 AC Powered.....	5,396.54	73.51
<b>46 82 83 00-4767 Scott Gas Detection Equipment</b> (46 82 83 00-4740)		
46 82 83 00-4768 EA Quadscan II Remote Monitor (Scott Safety 7400-4-1-1)..... Note: 4 channels, no relay package, and no battery back-up.	2,059.61	73.51
<b>46 82 83 00-4769 Audio Visual Alarm Stations</b> (46 82 83 00-4740)		
46 82 83 00-4770 EA Single Strobe, Single Siren, Audio Visual Alarm Station (Scott Safety AV1-N4X, 978-13x000-0xx).....	587.04	36.69
46 82 83 00-4771 EA Dual Strobe, Single Siren, Audio Visual Alarm Station (Scott Safety AV2-N4X, 978-23x000-0xx) .....	750.98	36.69
46 82 83 00-4772 EA 120 VAC Replacement Strobe (Scott Safety 354-4950x6-120) .....	211.55	
46 82 83 00-4773 EA 24 VDC Replacement Strobe (Scott Safety 354-4950x6-024) .....	189.70	
46 82 83 00-4774 EA 120 VAC Replacement Horn (Scott Safety 356-350003-120).....	145.98	
46 82 83 00-4775 EA 240 VAC Replacement Horn (Scott Safety 356-350003-240).....	178.77	
46 82 83 00-4776 EA 12 VDC Replacement Horn (Scott Safety 356-450003-012).....	178.77	
46 82 83 00-4777 EA 24 VDC Replacement Horn (Scott Safety 356-450003-024).....	189.70	
46 82 83 00-4778 EA 120 VAC Stand Alone Horn With Back Box (Scott Safety 356-350WBO-120).....	281.03	36.69
46 82 83 00-4779 EA 240 VAC Stand Alone Horn With Back Box (Scott Safety 356-350WBO-240).....	281.03	36.69
46 82 83 00-4780 EA 12 VDC Stand Alone Horn With Back Box (Scott Safety 356-450WBO-012) .....	302.89	36.69
46 82 83 00-4781 EA 24 VDC Stand Alone Horn With Back Box (Scott Safety 356-350WBO-024) .....	302.89	36.69
46 82 83 00-4782 EA Single Strobe, Single Siren, Class I, Division 2, Continious Tone Siren (Scott Safety 977-1Lx000-0Fx).....	1,876.66	36.69
46 82 83 00-4783 EA Dual Strobe, Single Siren, Class I, Division 2, Continious Tone Siren (Scott Safety 977-2Lx000-0Fx).....	2,663.55	36.69
46 82 83 00-4784 EA Class I, Division 2, Replacement Strobe (Scott Safety 354-1516x6-xxx)..... Note: Complete the part number using the information below: Position 8 (xxx-xxxx-x-xxx) Color of Strobe: 2-Red, 4-Amber, 5-Green, 6-Blue, 7-Magenta, 9-Clear Position 10, 11, 12 (xxx-xxxxx-___) Voltage: 120-120VAC, 240-240VAC	1,547.65	
46 82 83 00-4785 EA Class I, Division 2, Replacement Horn (Scott Safety 356-35W006-xxx)..... Note: Complete the part number using the information below: Position 10, 11, 12 (xxx-xxxxx-___) Voltage: 120-120VAC, 240-240VAC	1,412.68	
46 82 83 00-4786 EA Single Strobe, Single Siren, Class I, Division 2, Multitone Siren (Scott Safety 977-1Lx000-03x) .....	4,769.68	36.69
Note: Complete the part number using the information below: Position 6 (xxx-xx-xxx-xxx) Color of 1st Strobe: 2-Red, 4-Amber, 5-Green, 6-Blue, 7-Magenta, 9-Clear		
46 82 83 00-4787 EA Dual Strobe, Single Siren, Class I, Division 2, Multitone Siren (Scott Safety 977-2Lx000-03x)..... Note: Complete the part number using the information below: Position 6 (xxx-xx-xxx-xxx) Color of 1st Strobe: 2-Red, 4-Amber, 5-Green, 6-Blue, 7-Magenta, 9-Clear Position 7 (xxx-xxx-xx-xxx) Color of 2nd Strobe: 2-Red, 4-Amber, 5-Green, 6-Blue, 7-Magenta, 9-Clear Position 12 (xxx-xxxxx-xx_) Voltage: 2-24VDC, 3-120VAC, 4-240VAC	5,633.23	36.69
46 82 83 00-4788 EA Class I, Division 2, Replacement Multitone Horn (Scott Safety 356-889321-MV0) .....	1,588.61	
46 82 83 00-4789 EA Single Strobe, Single Siren, Class I, Division 1, Multitone Siren (Scott Safety 977-16x000-03x) .....	4,750.99	36.69
46 82 83 00-4790 EA Dual Strobe, Single Siren, Class I, Division 1, Multitone Siren (Scott Safety 977-26x00-03x) .....	6,772.86	36.69
<b>46 82 83 00-4791 Chessell Graphic Recorder</b> (46 82 83 00-4740)		
Note: Modbus master comms, ethernet comms, 96 math channels, 96M of internal memory, 2 serial ports, 3 relays outputs, bridge light and review light		
46 82 83 00-4792 EA 6 Input Channel Graphic Recorder With 6" Touchscreen .....	6,135.49	73.51
Note: Chessell 6100A/U06/PANEL/NOLCK/SLV/VH/NOITPS/XXXXXX/096M/CF/NOMC/NOMS/0RUSB/2SRL/XXXX/NOCAL/03/00/00/00/00/00/NOS/00/XXXXX/BLITE/RLITE/NOADT/NOSM/06GROUP/MTC96/NOBTCH/NOSB/MSTR16		
46 82 83 00-4793 EA 12 Input Channels Graphic Recorder With 6" Touchscreen.....	6,791.20	73.51
Note: Chessell 6100A/U12/PANEL/NOLCK/SLV/VH/NOITPS/XXXXXX/096M/CF/NOMC/NOMS/0RUSB/2SRL/XXXX/NOCAL/03/00/00/00/00/00/NOS/00/XXXXX/BLITE/RLITE/NOADT/NOSM/06GROUP/MTC96/NOBTCH/NOSB/MSTR16		
46 82 83 00-4794 EA 12 Input Channel Graphic Recorder With 12" Touchscreen .....	8,105.17	73.51
Note: Chessell 6180A/U12/PANEL/NOLCK/SLV/VH/NOITPS/XXXXXX/096M/CF/NOMC/NOMS/0RUSB/2SRL/XXXX/NOCAL/03/00/00/00/00/00/NOS/00/XXXXX/BLITE/RLITE/NOADT/NOSM/06GROUP/MTC96/NOBTCH/NOSB/MSTR16		
46 82 83 00-4795 EA 18 Input Channel Graphic Recorder With 12" Touchscreen .....	8,889.73	73.51
Note: Chessell 6180A/U18/PANEL/NOLCK/SLV/VH/NOITPS/XXXXXX/096M/CF/NOMC/NOMS/0RUSB/2SRL/XXXX/NOCAL/03/00/00/00/00/00/NOS/00/XXXXX/BLITE/RLITE/NOADT/NOSM/06GROUP/MTC96/NOBTCH/NOSB/MSTR16		
46 82 83 00-4796 EA 24 Input Channel Graphic Recorder With 12" Touchscreen .....	9,546.71	73.51
Note: Chessell 6180A/U24/PANEL/NOLCK/SLV/VH/NOITPS/XXXXXX/096M/CF/NOMC/NOMS/0RUSB/2SRL/XXXX/NOCAL/03/00/00/00/00/00/NOS/00/XXXXX/BLITE/RLITE/NOADT/NOSM/06GROUP/MTC96/NOBTCH/NOSB/MSTR16		
46 82 83 00-4797 EA 48 Input Channel Graphic Recorder With 12" Touchscreen .....	12,300.95	73.51
Note: Chessell 6180A/U48/PANEL/NOLCK/SLV/VH/NOITPS/XXXXXX/096M/CF/NOMC/NOMS/0RUSB/2SRL/XXXX/NOCAL/03/00/00/00/00/00/NOS/00/XXXXX/BLITE/RLITE/NOADT/NOSM/06GROUP/MTC96/NOBTCH/NOSB/MSTR16		
<b>46 82 83 00-4798 Switches, Transmitters And Wireless Devices</b> (46 82 83 00-4740)		
46 82 83 00-4799 EA SixNet 5 Port Slimline Unmanaged Switch, Model SL-5ES-1 .....	208.46	
46 82 83 00-4800 EA SixNet 8 Port Slimline Unmanaged Switch, Model SL-8ES-1 .....	336.03	
46 82 83 00-4801 EA SixNet 5 Port Slimline Unmanaged Switch, 4 RJ45, 1 Single Mode Fiber With ST (Or SC Connectors), Model ET-5EB-2ST (SC).....	605.20	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4802	EA		SixNet 5 Media Converter, 1 RJ45, 1 Single Mode Fiber With ST (Or SC Connectors), Model SL-2EB-3ST (SC).....	559.28	
46 82 83 00-4803	EA		110 Volt AC Surge Protection, Model MA15/D/1/SI.....	158.71	
46 82 83 00-4804	EA		ModBus 900 MHz Radio Modem, Model 905U-D.....	1,005.77	
46 82 83 00-4805	EA		Ethernet 900 MHz Radio Modem, Model 905U-E.....	1,142.27	
46 82 83 00-4806	EA		Ethernet Gateway 900 MHz Radio Modem, Model 905U-G-ET1.....	2,708.83	
46 82 83 00-4807	EA		Wireless I/O With 2 AI, Model 905U-1.....	1,783.95	
46 82 83 00-4808	EA		Wireless I/O With 6 AI, Model 905U-2.....	1,886.00	
46 82 83 00-4809	EA		Wireless I/O With 8 AO, Model 905U-3.....	1,886.00	
46 82 83 00-4810	EA		Wireless I/O With 24 D I/O, Model 905U-4.....	1,783.95	
46 82 83 00-4811	EA		Ethernet 2.4 GHz Radio Modem (300mW), Model 240U-E.....	1,192.02	
46 82 83 00-4812	LF		LMR 240 Cable.....	2.90	
46 82 83 00-4813	LF		LMR 400 Cable.....	3.15	
46 82 83 00-4814	EA		Coaxial Cable Bulkhead Connection Kit.....	107.68	
46 82 83 00-4815	EA		900 MHz Band, 9 dBi Yagi Antenna, Model HG909Y-NF.....	228.12	
46 82 83 00-4816	EA		900 MHz Band, 8 dBi Omni Antenna, Model HG908U-Pro.....	266.39	
46 82 83 00-4817	EA		2.4 GHz Band, 9 dBi Yagi Antenna, Model HG2409Y.....	228.12	
46 82 83 00-4818	EA		2.4 GHz Band, 8 dBi Omni Antenna, Model HG2408U-Pro.....	266.39	
46 82 83 00-4819	EA		60 Degree Twist And Swivel Antenna Mounting Kit, Model HGX-PMT06.....	56.65	
46 82 83 00-4820	EA		Heavy Duty Antenna Mounting Bolts And Bases (2), Model HGX-PMT11.....	63.03	
46 82 83 00-4821	EA		Antenna Surge Protector, Model AL-NMNF-9.....	184.22	
46 82 83 00-4822	EA		RS232 To RS485 Converter, Model KD485-ADE.....	630.72	
46 82 83 00-4823	EA		QSC 2-Channel Amplifier, Model CX-602.....	2,569.78	
46 82 83 00-4824	EA		QSC 2-Channel Amplifier, Model CX-302.....	1,294.08	
46 82 83 00-4825	EA		SixNet Signal Converter, Model ET-GT-ST-3.....	1,281.32	
46 82 83 00-4826	EA		Moore Industries Signal Isolator And Splitter, Model ECT.....	503.15	
46 82 83 00-4827	EA		Atlas Bidirectional Wall Mounted Horn, VT-22.....	209.74	
<b>46 82 83 00-4828</b>			<b>Foxboro Devices</b> (46 82 83 00-4740)		
46 82 83 00-4829	EA		Foxboro Eycon With 12" Screen And ELIN Comms Plus Modbus RTU And TCP Slave, Model E20F-1N101SL0EF0XX0.....	7,737.45	
46 82 83 00-4830	EA		Foxboro Eycon With 12" Screen, SP Programmer, Recipe, Report And ELIN Comms Plus Modbus RTU And TCP Slave, Model E20F-2N101SL0EF0XX0.....	8,183.94	
46 82 83 00-4831	EA		Foxboro Eycon With 12" Screen, SP Programmer, Recipe, Report, Batch And ELIN Comms Plus Modbus RTU And TCP Slave, Model E20F-3N101SL0EF0XX0.....	8,821.79	
46 82 83 00-4832	EA		Foxboro Eycon With 12" Screen, And ELIN Comms Plus Modbus RTU And TCP Master/Slave, Model E20F-1N201SL0EF0XX0.....	8,630.43	
46 82 83 00-4833	EA		Foxboro Eycon With 12" Screen, SP Programmer, Recipe, Report, And ELIN Comms Plus Modbus RTU And TCP Master/Slave, Model E20F-2N201SL0EF0XX0.....	8,949.36	
46 82 83 00-4834	EA		Foxboro Eycon With 12" Screen, SP Programmer, Recipe, Report, Batch, And ELIN Comms Plus Modbus RTU And TCP Master/Slave, Model E20F-3N201SL0EF0XX0.....	9,587.21	
46 82 83 00-4835	EA		Foxboro 2 Channel 0-10 Volt Input Module With Termination Assembly, Model AI2/DCTA.....	432.98	
46 82 83 00-4836	EA		Foxboro 3 Channel 4-20mA Input Module With Termination Assembly, No Disconnects, Model AI3/TA.....	475.08	
46 82 83 00-4837	EA		Foxboro 4 Channel T/C Module With Termination Assembly, Model AI4/TCTA.....	573.31	
46 82 83 00-4838	EA		Foxboro 4 Channel Relay Output Module With Termination Assembly, Fuses Fitted, Model RLY4/TA.....	352.61	
46 82 83 00-4839	EA		Foxboro 8 Channel Contact Closure Digital Input Module With Termination Assembly, No Disconnects, Model DI8/TA.....	281.17	
46 82 83 00-4840	EA		Foxboro 6 Channel 110 Volt AC Digital Input Module With Termination Assembly, No Disconnects, Model DI6/TA.....	281.17	
46 82 83 00-4841	EA		Foxboro 2 Channel Analog Output Module With Termination Assembly, No Disconnects, Model AO2/TA.....	592.44	
46 82 83 00-4842	EA		Foxboro 2 Module Remote Rack, Model 2500B/2way.....	131.92	
46 82 83 00-4843	EA		Foxboro 4 Module Remote Rack, Model 2500B/4way.....	156.16	
46 82 83 00-4844	EA		Foxboro 8 Module Remote Rack, Model 2500B/8way.....	230.15	
46 82 83 00-4845	EA		Foxboro 10 Module Remote Rack, Model 2500B/10way.....	322.00	
46 82 83 00-4846	EA		Foxboro 12 Module Remote Rack, Model 2500B/12way.....	339.86	
46 82 83 00-4847	EA		Foxboro 0 Way T2550 Rack, Model 255BF-R040NONCDM.....	286.28	
46 82 83 00-4848	EA		Foxboro 4 Way T2550 Rack, Model 255BF-R04RNONCDM.....	286.28	
46 82 83 00-4849	EA		Foxboro 6 Way T2550 Rack, Model 255BF-R06RNONCDM.....	350.06	
46 82 83 00-4850	EA		Foxboro 8 Way T2550 Rack, Model 255BF-R08RNONCDM.....	413.85	
46 82 83 00-4851	EA		Foxboro 16 Way T2550 Rack, Model 255BF-R16RNONCDM.....	630.72	
46 82 83 00-4852	EA		Foxboro T2550 L20 Processor (50 Standard And 4 Control Blocks), Modbus TCP Slave, ELIN And Modbus RTU Slave, Model 255F-L20F32MBTMMOD0.....	1,172.13	
46 82 83 00-4853	EA		Foxboro T2550 L30 Processor (100 Standard And 8 Control Blocks), Modbus TCP Slave, ELIN And Modbus RTU Slave, Model 255F-L30F32MBTMMOD0.....	1,440.03	
46 82 83 00-4854	EA		Foxboro T2550 L40 Processor (100 Standard And 8 Control Blocks), Modbus TCP Slave, ELIN And Modbus RTU Slave, Model 255F-L40F32MBTMMOD0.....	1,720.68	
46 82 83 00-4855	EA		Foxboro T2550 L20 Processor (50 Standard And 4 Control Blocks), Modbus TCP Master/Slave, ELIN And Modbus RTU Slave, Model 255F-L20F32MBTMSER0.....	1,644.14	
46 82 83 00-4856	EA		Foxboro T2550 L30 Processor (100 Standard And 8 Control Blocks), Modbus TCP Master/Slave, ELIN And Modbus RTU Slave, Model 255F-L30F32MBTMSER0.....	1,822.74	
46 82 83 00-4857	EA		Foxboro T2550 L40 Processor (100 Standard And 8 Control Blocks), Modbus TCP Master/Slave, ELIN And Modbus RTU Slave, Model 255F-L40F32MBTMSER0.....	2,103.39	
46 82 83 00-4858	EA		Foxboro Simplex Processor TA With Battery, Model T255F-IOC-S-RJ45-OB1.....	101.30	
46 82 83 00-4859	EA		Foxboro Redundant Processor TA Without Battery, Model T255TF-IOC-R-RJ45-NON.....	126.81	
46 82 83 00-4860	EA		Foxboro Remote I/O Processor With Modbus Comms And Termination Assembly, Model 2500M/UW/TA.....	623.58	
<b>46 82 83 00-4861</b>			<b>Eurotherm Devices</b> (46 82 83 00-4740)		
46 82 83 00-4862	EA		Eurotherm 1/8" Indicator With Two Alarm Outputs And Comms, Model 32h8i/AL/VH/RXXX/R/4XL.....	629.96	
46 82 83 00-4863	EA		Eurotherm 1/8" DIN Indicator With Two Alarm Outputs And Comms, Model 32h8i/AL/VH/RXXX/R/XXX.....	489.63	
46 82 83 00-4864	EA		Eurotherm 2500 Analog Output Card, Model AO-2.....	204.63	

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4865			<b>M-System Devices</b> <small>(46 82 83 00-4740)</small>		
46 82 83 00-4866	EA		M-System 4-20 mA Signal Splitter, Model W5VS-AAA-M.....	342.93	
46 82 83 00-4867	EA		M-System Slimline 4-20 mA Signal Splitter, Model M6DWVS-AAA-R.....	406.71	
46 82 83 00-4868	EA		M-System Alarm Unit, 4-20mA Input, High And Low Relay Outputs Both Alarm Levels Settable From Front Of Unit, Model M2SED-A13-R/UL.....	381.20	
46 82 83 00-4869			<b>Licenses</b> <small>(46 82 83 00-4740)</small>		
46 82 83 00-4870	EA		Iconic Genesis 32-75 V9 License With One Year Of Support, Model Gen32V9-75.....	2,104.90	
46 82 83 00-4871	EA		Iconic Genesis 32-150 V9 License With One Year Of Support, Model Gen32V9-150.....	3,227.52	
46 82 83 00-4872	EA		Iconic Genesis 32-300 V9 License With One Year Of Support, Model Gen32V9-300.....	4,911.44	
46 82 83 00-4873	EA		Iconic Genesis 32-500 V9 License With One Year Of Support, Model Gen32V9-500.....	6,314.72	
46 82 83 00-4874	EA		Iconic Genesis 32-1500 V9 License With One Year Of Support, Model Gen32V9-1500.....	8,419.62	
46 82 83 00-4875	EA		Iconic WebHMI With 2 Client Licenses With One Year Of Support, Model WebHMIV9.....	3,508.18	
46 82 83 00-4876	EA		Iconic WebHMI With 5 Client Licenses With One Year Of Support, Model WebHMIV9-5pack.....	4,209.81	
46 82 83 00-4877	EA		ModBus RTU And TCP OPC Server.....	1,141.75	
46 82 91			<b>Water Treatment Devices</b> <small>(46 82)</small>		
46 82 91 00-0001			<b>Water Treatment Devices (REXA)</b> <small>(46 82 91)</small> Note: For domestic or industrial uses, and as tertiary step to render treated waste water suitable for discharge or possible reuse. Excludes raw water or backwash pumps, loss-of-head indicator, sight glasses, backwash flow rate indicator, nor pre-treatment equipment such as flash mixers, clarifiers, and chemical feed equipment.		
46 82 91 00-0002			<b>Gate Applications (REXA)</b> <small>(46 82 91 00-0001)</small> Note: A radial slotted PVC pipe lateral underdrain with gravel support bed, manual gate valves, manual operation, sand media, influent and effluent pressure gauges, sampling connections and schedule 40 steel pipe with cast iron fittings, flow rate at 5 GPM per SF.		
46 82 91 00-0003	EA		Up To 3', Stroke Gate (REXA-DEP-Gate-36).....	40,076.77	912.63
			For Additional 25' Of Enclosure Location, Add	655.74	
			For Remote Accumulator, Add	24,863.48	
			For Additional 25' Of Remote Accumulator Distance, Add	1,092.90	
			For Up To 25' Distance For Remote Mount Power Module, Add	2,185.80	
			For Additional 25' Distance For Remote Mount Power Module, Add	546.45	
			For 1-Phase Transformer, Add	2,185.80	
			For 3-Phase Transformer, Add	4,371.60	
			For Up To 3' Gate, Add	983.61	
			For 3' To 6' Gate, Add	2,185.80	
			For > 6' Gate, Add	4,371.60	
			For Division 1 Electronics, Add	7,650.30	
			For 10' Increment Of Shaft Extension, Add	2,185.80	
			For External Guide Bushing, Add	819.68	
46 82 91 00-0004	EA		3' To 4', Stroke Gate (REXA-DEP-Gate-48).....	51,527.27	1,173.39
			For Additional 25' Of Enclosure Location, Add	655.74	
			For Remote Accumulator, Add	31,967.32	
			For Additional 25' Of Remote Accumulator Distance, Add	1,092.90	
			For Up To 25' Distance For Remote Mount Power Module, Add	2,185.80	
			For Additional 25' Distance For Remote Mount Power Module, Add	546.45	
			For 1-Phase Transformer, Add	2,185.80	
			For 3-Phase Transformer, Add	4,371.60	
			For Up To 3' Gate, Add	983.61	
			For 3' To 6' Gate, Add	2,185.80	
			For > 6' Gate, Add	4,371.60	
			For Division 1 Electronics, Add	7,650.30	
			For 10' Increment Of Shaft Extension, Add	2,185.80	
			For External Guide Bushing, Add	819.68	
46 82 91 00-0005	EA		4' To 5', Stroke Gate (REXA-DEP-Gate-60).....	68,703.03	1,564.51
			For Additional 25' Of Enclosure Location, Add	655.74	
			For Remote Accumulator, Add	42,623.10	
			For Additional 25' Of Remote Accumulator Distance, Add	1,092.90	
			For Up To 25' Distance For Remote Mount Power Module, Add	2,185.80	
			For Additional 25' Distance For Remote Mount Power Module, Add	546.45	
			For 1-Phase Transformer, Add	2,185.80	
			For 3-Phase Transformer, Add	4,371.60	
			For Up To 3' Gate, Add	983.61	
			For 3' To 6' Gate, Add	2,185.80	
			For > 6' Gate, Add	4,371.60	
			For Division 1 Electronics, Add	7,650.30	
			For 10' Increment Of Shaft Extension, Add	2,185.80	
			For External Guide Bushing, Add	819.68	
46 82 91 00-0006	EA		5' To 6', Stroke Gate (REXA-DEP-Gate-72).....	85,878.78	1,955.64
			For Additional 25' Of Enclosure Location, Add	655.74	
			For Remote Accumulator, Add	53,278.88	
			For Additional 25' Of Remote Accumulator Distance, Add	1,092.90	
			For Up To 25' Distance For Remote Mount Power Module, Add	2,185.80	
			For Additional 25' Distance For Remote Mount Power Module, Add	546.45	
			For 1-Phase Transformer, Add	2,185.80	
			For 3-Phase Transformer, Add	4,371.60	
			For Up To 3' Gate, Add	983.61	
			For 3' To 6' Gate, Add	2,185.80	
			For > 6' Gate, Add	4,371.60	
			For Division 1 Electronics, Add	7,650.30	
			For 10' Increment Of Shaft Extension, Add	2,185.80	
			For External Guide Bushing, Add	819.68	



<b>Water And Wastewater Equipment</b>	<b>46</b>
<b>Water Treatment Equipment</b>	<b>46 80</b>
<b>General Water Treatment Equipment</b>	<b>46 82</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 91 00-0007 EA 6' To 7', Stroke Gate (REXA-DEP-Gate-84) .....	103,054.54	2,346.77
For Additional 25' Of Enclosure Location, Add	655.74	
For Remote Accumulator, Add	63,934.65	
For Additional 25' Of Remote Accumulator Distance, Add	1,092.90	
For Up To 25' Distance For Remote Mount Power Module, Add	2,185.80	
For Additional 25' Distance For Remote Mount Power Module, Add	546.45	
For 1-Phase Transformer, Add	2,185.80	
For 3-Phase Transformer, Add	4,371.60	
For Up To 3' Gate, Add	983.61	
For 3' To 6' Gate, Add	2,185.80	
For > 6' Gate, Add	4,371.60	
For Division 1 Electronics, Add	7,650.30	
For 10' Increment Of Shaft Extension, Add	2,185.80	
For External Guide Bushing, Add	819.68	
46 82 91 00-0008 EA 7' To 8', Stroke Gate (REXA-DEP-Gate-96) .....	120,230.30	2,737.90
For Additional 25' Of Enclosure Location, Add	655.74	
For Remote Accumulator, Add	74,590.42	
For Additional 25' Of Remote Accumulator Distance, Add	1,092.90	
For Up To 25' Distance For Remote Mount Power Module, Add	2,185.80	
For Additional 25' Distance For Remote Mount Power Module, Add	546.45	
For 1-Phase Transformer, Add	2,185.80	
For 3-Phase Transformer, Add	4,371.60	
For Up To 3' Gate, Add	983.61	
For 3' To 6' Gate, Add	2,185.80	
For > 6' Gate, Add	4,371.60	
For Division 1 Electronics, Add	7,650.30	
For 10' Increment Of Shaft Extension, Add	2,185.80	
For External Guide Bushing, Add	819.68	
46 82 91 00-0009 EA 8' To 9', Stroke Gate (REXA-DEP-Gate-108) .....	137,406.05	3,129.03
For Additional 25' Of Enclosure Location, Add	655.74	
For Remote Accumulator, Add	85,246.20	
For Additional 25' Of Remote Accumulator Distance, Add	1,092.90	
For Up To 25' Distance For Remote Mount Power Module, Add	2,185.80	
For Additional 25' Distance For Remote Mount Power Module, Add	546.45	
For 1-Phase Transformer, Add	2,185.80	
For 3-Phase Transformer, Add	4,371.60	
For Up To 3' Gate, Add	983.61	
For 3' To 6' Gate, Add	2,185.80	
For > 6' Gate, Add	4,371.60	
For Division 1 Electronics, Add	7,650.30	
For 10' Increment Of Shaft Extension, Add	2,185.80	
For External Guide Bushing, Add	819.68	
46 82 91 00-0010 EA 9' To 10', Stroke Gate (REXA-DEP-Gate-120) .....	154,581.81	3,520.15
For Additional 25' Of Enclosure Location, Add	655.74	
For Remote Accumulator, Add	95,901.98	
For Additional 25' Of Remote Accumulator Distance, Add	1,092.90	
For Up To 25' Distance For Remote Mount Power Module, Add	2,185.80	
For Additional 25' Distance For Remote Mount Power Module, Add	546.45	
For 1-Phase Transformer, Add	2,185.80	
For 3-Phase Transformer, Add	4,371.60	
For Up To 3' Gate, Add	983.61	
For 3' To 6' Gate, Add	2,185.80	
For > 6' Gate, Add	4,371.60	
For Division 1 Electronics, Add	7,650.30	
For 10' Increment Of Shaft Extension, Add	2,185.80	
For External Guide Bushing, Add	819.68	
46 82 91 00-0011 EA 10' To 12', Stroke Gate (REXA-DEP-Gate-144) .....	171,757.56	3,911.28
For Additional 25' Of Enclosure Location, Add	655.74	
For Remote Accumulator, Add	106,557.75	
For Additional 25' Of Remote Accumulator Distance, Add	1,092.90	
For Up To 25' Distance For Remote Mount Power Module, Add	2,185.80	
For Additional 25' Distance For Remote Mount Power Module, Add	546.45	
For 1-Phase Transformer, Add	2,185.80	
For 3-Phase Transformer, Add	4,371.60	
For Up To 3' Gate, Add	983.61	
For 3' To 6' Gate, Add	2,185.80	
For > 6' Gate, Add	4,371.60	
For Division 1 Electronics, Add	7,650.30	
For 10' Increment Of Shaft Extension, Add	2,185.80	
For External Guide Bushing, Add	819.68	

**46 82 91 00-0012 Valve Applications (REXA) (46 82 91 00-0001)**

Note: A radial slotted PVC pipe lateral underdrain with gravel support bed, manual gate valves, manual operation, sand media, influent and effluent pressure gauges, sampling connections and schedule 40 steel pipe with cast iron fittings, flow rate at 5 GPM per SF.

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 91 00-0013 EA Small Air Valve (REXA-DEP-VLV-SM1) .....	14,885.66	338.98
For Additional 25' Of Enclosure Location, Add	655.74	
For Additional 25' Of Remote Accumulator Distance, Add	1,092.90	
For Up To 25' Distance For Remote Mount Power Module, Add	2,185.80	
For Additional 25' Distance For Remote Mount Power Module, Add	546.45	
For 1-Phase Transformer, Add	2,185.80	
For 3-Phase Transformer, Add	4,371.60	
For Up To 3' Gate, Add	983.61	
For 3' To 6' Gate, Add	2,185.80	
For > 6' Gate, Add	4,371.60	
For Division 1 Electronics, Add	7,650.30	
For Remote Accumulator, Add	12,786.93	
46 82 91 00-0014 EA Medium Air Valve (REXA-DEP-VLV-SM2) .....	17,175.75	391.13
For Additional 25' Of Enclosure Location, Add	655.74	
For Additional 25' Of Remote Accumulator Distance, Add	1,092.90	
For Up To 25' Distance For Remote Mount Power Module, Add	2,185.80	
For Additional 25' Distance For Remote Mount Power Module, Add	546.45	
For 1-Phase Transformer, Add	2,185.80	
For 3-Phase Transformer, Add	4,371.60	
For Up To 3' Gate, Add	983.61	
For 3' To 6' Gate, Add	2,185.80	
For > 6' Gate, Add	4,371.60	
For Division 1 Electronics, Add	7,650.30	
For Remote Accumulator, Add	14,754.15	
46 82 91 00-0015 EA Large Air Valve (REXA-DEP-VLV-SM3) .....	22,901.01	521.50
For Additional 25' Of Enclosure Location, Add	655.74	
For Additional 25' Of Remote Accumulator Distance, Add	1,092.90	
For Up To 25' Distance For Remote Mount Power Module, Add	2,185.80	
For Additional 25' Distance For Remote Mount Power Module, Add	546.45	
For 1-Phase Transformer, Add	2,185.80	
For 3-Phase Transformer, Add	4,371.60	
For Up To 3' Gate, Add	983.61	
For 3' To 6' Gate, Add	2,185.80	
For > 6' Gate, Add	4,371.60	
For Division 1 Electronics, Add	7,650.30	
For Remote Accumulator, Add	16,393.50	
46 82 91 00-0016 EA Small Water/Sludge Valve (REXA-DEP-VLV-MD1) .....	28,626.26	651.88
For Additional 25' Of Enclosure Location, Add	655.74	
For Additional 25' Of Remote Accumulator Distance, Add	1,092.90	
For Up To 25' Distance For Remote Mount Power Module, Add	2,185.80	
For Additional 25' Distance For Remote Mount Power Module, Add	546.45	
For 1-Phase Transformer, Add	2,185.80	
For 3-Phase Transformer, Add	4,371.60	
For Up To 3' Gate, Add	983.61	
For 3' To 6' Gate, Add	2,185.80	
For > 6' Gate, Add	4,371.60	
For Division 1 Electronics, Add	7,650.30	
For Remote Accumulator, Add	17,759.62	
46 82 91 00-0017 EA Medium Water/Sludge Valve (REXA-DEP-VLV-MD2) .....	34,351.51	782.25
For Additional 25' Of Enclosure Location, Add	655.74	
For Additional 25' Of Remote Accumulator Distance, Add	1,092.90	
For Up To 25' Distance For Remote Mount Power Module, Add	2,185.80	
For Additional 25' Distance For Remote Mount Power Module, Add	546.45	
For 1-Phase Transformer, Add	2,185.80	
For 3-Phase Transformer, Add	4,371.60	
For Up To 3' Gate, Add	983.61	
For 3' To 6' Gate, Add	2,185.80	
For > 6' Gate, Add	4,371.60	
For Division 1 Electronics, Add	7,650.30	
For Remote Accumulator, Add	18,979.20	
46 82 91 00-0018 EA Large And Slow Water/Sludge Valve (REXA-DEP-VLV-MD3-A) .....	51,527.27	1,173.39
For Additional 25' Of Enclosure Location, Add	655.74	
For Additional 25' Of Remote Accumulator Distance, Add	1,092.90	
For Up To 25' Distance For Remote Mount Power Module, Add	2,185.80	
For Additional 25' Distance For Remote Mount Power Module, Add	546.45	
For 1-Phase Transformer, Add	2,185.80	
For 3-Phase Transformer, Add	4,371.60	
For Up To 3' Gate, Add	983.61	
For 3' To 6' Gate, Add	2,185.80	
For > 6' Gate, Add	4,371.60	
For Division 1 Electronics, Add	7,650.30	
For Remote Accumulator, Add	23,724.00	
46 82 91 00-0019 EA Large And Fast Water/Sludge Valve (REXA-DEP-VLV-MD3-B) .....	68,703.03	1,564.51
For Additional 25' Of Enclosure Location, Add	655.74	
For Additional 25' Of Remote Accumulator Distance, Add	1,092.90	
For Up To 25' Distance For Remote Mount Power Module, Add	2,185.80	
For Additional 25' Distance For Remote Mount Power Module, Add	546.45	
For 1-Phase Transformer, Add	2,185.80	
For 3-Phase Transformer, Add	4,371.60	
For Up To 3' Gate, Add	983.61	
For 3' To 6' Gate, Add	2,185.80	
For > 6' Gate, Add	4,371.60	
For Division 1 Electronics, Add	7,650.30	
For Remote Accumulator, Add	31,632.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 91 00-0020 EA Small And Slow, Big Plug Or Butterfly Valve (REXA-DEP-VLV-LG1-A) .....	85,878.78	1,955.64
<i>For Additional 25' Of Enclosure Location, Add</i>	655.74	
<i>For Additional 25' Of Remote Accumulator Distance, Add</i>	1,092.90	
<i>For Up To 25' Distance For Remote Mount Power Module, Add</i>	2,185.80	
<i>For Additional 25' Distance For Remote Mount Power Module, Add</i>	546.45	
<i>For 1-Phase Transformer, Add</i>	2,185.80	
<i>For 3-Phase Transformer, Add</i>	4,371.60	
<i>For Up To 3' Gate, Add</i>	983.61	
<i>For 3' To 6' Gate, Add</i>	2,185.80	
<i>For &gt; 6' Gate, Add</i>	4,371.60	
<i>For Division 1 Electronics, Add</i>	7,650.30	
<i>For Remote Accumulator, Add</i>	32,787.00	
46 82 91 00-0021 EA Small And Fast, Big Plug Or Butterfly Valve (REXA-DEP-VLV-LG1-B) .....	103,054.54	2,346.77
<i>For Additional 25' Of Enclosure Location, Add</i>	655.74	
<i>For Additional 25' Of Remote Accumulator Distance, Add</i>	1,092.90	
<i>For Up To 25' Distance For Remote Mount Power Module, Add</i>	2,185.80	
<i>For Additional 25' Distance For Remote Mount Power Module, Add</i>	546.45	
<i>For 1-Phase Transformer, Add</i>	2,185.80	
<i>For 3-Phase Transformer, Add</i>	4,371.60	
<i>For Up To 3' Gate, Add</i>	983.61	
<i>For 3' To 6' Gate, Add</i>	2,185.80	
<i>For &gt; 6' Gate, Add</i>	4,371.60	
<i>For Division 1 Electronics, Add</i>	7,650.30	
<i>For Remote Accumulator, Add</i>	39,344.40	
46 82 91 00-0022 EA Medium And Slow, Big Plug Or Butterfly Valve (REXA-DEP-VLV-LG2-A) .....	131,680.80	2,998.65
<i>For Additional 25' Of Enclosure Location, Add</i>	655.74	
<i>For Additional 25' Of Remote Accumulator Distance, Add</i>	1,092.90	
<i>For Up To 25' Distance For Remote Mount Power Module, Add</i>	2,185.80	
<i>For Additional 25' Distance For Remote Mount Power Module, Add</i>	546.45	
<i>For 1-Phase Transformer, Add</i>	2,185.80	
<i>For 3-Phase Transformer, Add</i>	4,371.60	
<i>For Up To 3' Gate, Add</i>	983.61	
<i>For 3' To 6' Gate, Add</i>	2,185.80	
<i>For &gt; 6' Gate, Add</i>	4,371.60	
<i>For Division 1 Electronics, Add</i>	7,650.30	
<i>For Remote Accumulator, Add</i>	37,705.05	
46 82 91 00-0023 EA Medium And Fast, Big Plug Or Butterfly Valve (REXA-DEP-VLV-LG3-B) .....	143,131.31	3,259.40
<i>For Additional 25' Of Enclosure Location, Add</i>	655.74	
<i>For Additional 25' Of Remote Accumulator Distance, Add</i>	1,092.90	
<i>For Up To 25' Distance For Remote Mount Power Module, Add</i>	2,185.80	
<i>For Additional 25' Distance For Remote Mount Power Module, Add</i>	546.45	
<i>For 1-Phase Transformer, Add</i>	2,185.80	
<i>For 3-Phase Transformer, Add</i>	4,371.60	
<i>For Up To 3' Gate, Add</i>	983.61	
<i>For 3' To 6' Gate, Add</i>	2,185.80	
<i>For &gt; 6' Gate, Add</i>	4,371.60	
<i>For Division 1 Electronics, Add</i>	7,650.30	
<i>For Remote Accumulator, Add</i>	39,540.00	
<b>46 82 91 00-0024 Cone Valve Applications (REXA) <small>(46 82 91 00-0001)</small></b>		
Note: A radial slotted PVC pipe lateral underdrain with gravel support bed, manual gate valves, manual operation, sand media, influent and effluent pressure gauges, sampling connections and schedule 40 steel pipe with cast iron fittings, flow rate at 5 GPM per SF.		
46 82 91 00-0025 EA 5 Seconds Per Inch, Up To 12" Stroke, Cone Valve (REXA-DEP-Cone-12-5) .....	28,626.26	651.88
<i>For Additional 25' Of Enclosure Location, Add</i>	655.74	
<i>For Additional 25' Of Remote Accumulator Distance, Add</i>	1,092.90	
<i>For Up To 25' Distance For Remote Mount Power Module, Add</i>	2,185.80	
<i>For Additional 25' Distance For Remote Mount Power Module, Add</i>	546.45	
<i>For 1-Phase Transformer, Add</i>	2,185.80	
<i>For 3-Phase Transformer, Add</i>	4,371.60	
<i>For Up To 3' Gate, Add</i>	983.61	
<i>For 3' To 6' Gate, Add</i>	2,185.80	
<i>For &gt; 6' Gate, Add</i>	4,371.60	
<i>For Division 1 Electronics, Add</i>	7,650.30	
<i>For Remote Accumulator, Add</i>	13,661.25	
46 82 91 00-0026 EA 2 Seconds Per Inch, Up To 12" Stroke, Cone Valve (REXA-DEP-Cone-12-2) .....	34,351.51	782.25
<i>For Additional 25' Of Enclosure Location, Add</i>	655.74	
<i>For Additional 25' Of Remote Accumulator Distance, Add</i>	1,092.90	
<i>For Up To 25' Distance For Remote Mount Power Module, Add</i>	2,185.80	
<i>For Additional 25' Distance For Remote Mount Power Module, Add</i>	546.45	
<i>For 1-Phase Transformer, Add</i>	2,185.80	
<i>For 3-Phase Transformer, Add</i>	4,371.60	
<i>For Up To 3' Gate, Add</i>	983.61	
<i>For 3' To 6' Gate, Add</i>	2,185.80	
<i>For &gt; 6' Gate, Add</i>	4,371.60	
<i>For Division 1 Electronics, Add</i>	7,650.30	
<i>For Remote Accumulator, Add</i>	16,393.50	

**46 Water And Wastewater Equipment****46 80 Water Treatment Equipment****46 82 General Water Treatment Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 91 00-0027 EA 5 Seconds Per Inch, 12" To 16" Stroke, Cone Valve (REXA-DEP-Cone-16A-5) .....	40,076.77	912.63
For Additional 25' Of Enclosure Location, Add	655.74	
For Additional 25' Of Remote Accumulator Distance, Add	1,092.90	
For Up To 25' Distance For Remote Mount Power Module, Add	2,185.80	
For Additional 25' Distance For Remote Mount Power Module, Add	546.45	
For 1-Phase Transformer, Add	2,185.80	
For 3-Phase Transformer, Add	4,371.60	
For Up To 3' Gate, Add	983.61	
For 3' To 6' Gate, Add	2,185.80	
For > 6' Gate, Add	4,371.60	
For Division 1 Electronics, Add	7,650.30	
For Remote Accumulator, Add	19,125.75	
46 82 91 00-0028 EA 2 Seconds Per Inch, 12" To 16" Stroke, Cone Valve (REXA-DEP-Cone-16A-2) .....	45,802.02	1,043.01
For Additional 25' Of Enclosure Location, Add	655.74	
For Additional 25' Of Remote Accumulator Distance, Add	1,092.90	
For Up To 25' Distance For Remote Mount Power Module, Add	2,185.80	
For Additional 25' Distance For Remote Mount Power Module, Add	546.45	
For 1-Phase Transformer, Add	2,185.80	
For 3-Phase Transformer, Add	4,371.60	
For Up To 3' Gate, Add	983.61	
For 3' To 6' Gate, Add	2,185.80	
For > 6' Gate, Add	4,371.60	
For Division 1 Electronics, Add	7,650.30	
For Remote Accumulator, Add	21,858.00	
46 82 91 00-0029 EA 5 Seconds Per Inch, Large, 16" Stroke Cone Valve (REXA-DEP-Cone-16B-5) .....	51,527.27	1,173.39
For Additional 25' Of Enclosure Location, Add	655.74	
For Additional 25' Of Remote Accumulator Distance, Add	1,092.90	
For Up To 25' Distance For Remote Mount Power Module, Add	2,185.80	
For Additional 25' Distance For Remote Mount Power Module, Add	546.45	
For 1-Phase Transformer, Add	2,185.80	
For 3-Phase Transformer, Add	4,371.60	
For Up To 3' Gate, Add	983.61	
For 3' To 6' Gate, Add	2,185.80	
For > 6' Gate, Add	4,371.60	
For Division 1 Electronics, Add	7,650.30	
For Remote Accumulator, Add	24,590.25	
46 82 91 00-0030 EA 5 Seconds Per Inch, 16" To 22" Stroke, Cone Valve (REXA-DEP-Cone-22-5) .....	57,252.52	1,303.76
For Additional 25' Of Enclosure Location, Add	655.74	
For Additional 25' Of Remote Accumulator Distance, Add	1,092.90	
For Up To 25' Distance For Remote Mount Power Module, Add	2,185.80	
For Additional 25' Distance For Remote Mount Power Module, Add	546.45	
For 1-Phase Transformer, Add	2,185.80	
For 3-Phase Transformer, Add	4,371.60	
For Up To 3' Gate, Add	983.61	
For 3' To 6' Gate, Add	2,185.80	
For > 6' Gate, Add	4,371.60	
For Division 1 Electronics, Add	7,650.30	
For Remote Accumulator, Add	27,322.50	
46 82 91 00-0031 EA 2 Seconds Per Inch, 16" To 22" Stroke, Cone Valve (REXA-DEP-Cone-22-2) .....	68,703.03	1,564.51
For Additional 25' Of Enclosure Location, Add	655.74	
For Additional 25' Of Remote Accumulator Distance, Add	1,092.90	
For Up To 25' Distance For Remote Mount Power Module, Add	2,185.80	
For Additional 25' Distance For Remote Mount Power Module, Add	546.45	
For 1-Phase Transformer, Add	2,185.80	
For 3-Phase Transformer, Add	4,371.60	
For Up To 3' Gate, Add	983.61	
For 3' To 6' Gate, Add	2,185.80	
For > 6' Gate, Add	4,371.60	
For Division 1 Electronics, Add	7,650.30	
For Remote Accumulator, Add	32,787.00	

## 46 86 Sludge Treatment And Handling Equipment For Water Treatment Systems (46 80)

### 46 86 29 Sludge Control Systems (46 86)

#### 46 86 29 00-0001 Sludge Level Control Systems, Model 4900SI (46 86 29)

46 86 29 00-0002 EA Sludge Level Control System, Model 4900SL, 2" Or 4" Probe.....	2,851.63	201.32
46 86 29 00-0003 EA Sludge Level Control System, Model 4900SL, 6" Or 12"Probe.....	2,915.57	201.32

#### 46 86 29 00-0004 Sludge Density Controllers, Model 494T (46 86 29)

46 86 29 00-0005 EA Sludge Density Control System, 484T, 4" Pipe Line .....	4,385.68	301.98
46 86 29 00-0006 EA Sludge Density Control System, 484T, 6" Pipe Line .....	4,786.02	402.66
46 86 29 00-0007 EA Sludge Density Control System, 484T, 8" Pipe Line .....	5,438.75	402.66

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